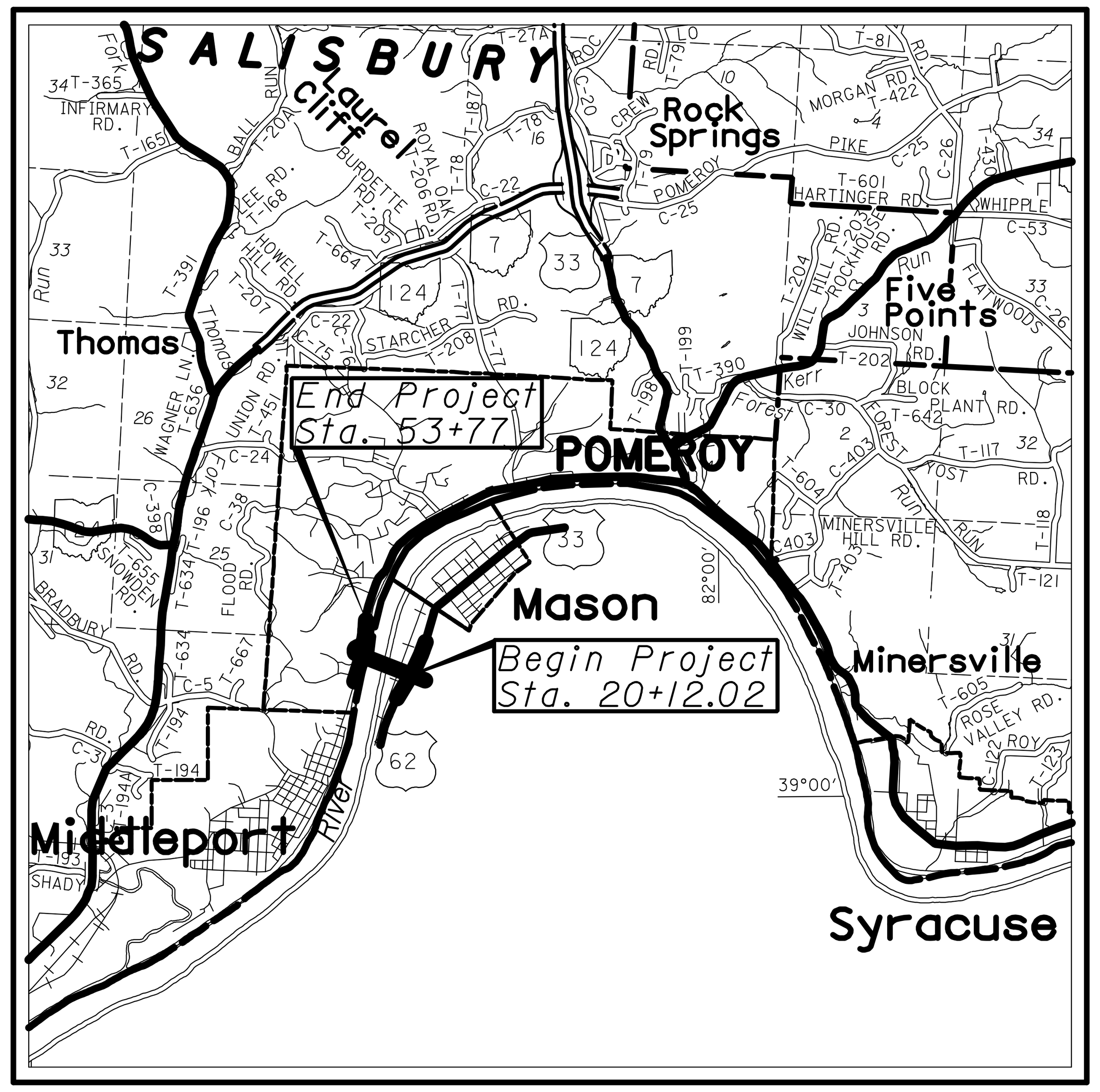


LOCATION MAP

LATITUDE: N 39°00′45″ LONGITUDE: 82°02′30″ W

SCALE IN MILES

0 1 2 3 4

N

PORTION TO BE IMPROVED
INTERSTATE & DIVIDED HIGHWAY
UNDIVIDED STATE & FEDERAL ROUTES
OTHER ROADS

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
MEG-33-15.70
GRADE SEPARATION WITH CSX RAILROAD

STATE OF OHIO
MEIGS COUNTY
SALISBURY TOWNSHIP
VILLAGE OF POMEROY

STATE OF WEST VIRGINIA
MASON COUNTY
TOWN OF MASON
WAGGENER DISTRICT

PROJECT DESCRIPTION

REPLACE EXISTING BRIDGE ON US 33 OVER THE OHIO RIVER WITH A NEW BRIDGE BETWEEN POMEROY, OHIO AND MASON, WEST VIRGINIA. ADDITIONAL IMPROVEMENTS TO BE MADE ON US 33 AND MAIN STREET IN POMEROY, OHIO AND ON WV 62 AND WAL-MART ACCESS DRIVE IN MASON WEST VIRGINIA.
THE APPROACH ROADWAY NORTH AND SOUTH OF THE PROPOSED BRIDGE IN WEST VIRGINIA SHALL BE DESIGNATED WV62. THE NEW ROADWAY AND BRIDGE BEGINNING AT WV62 EXTENDING INTO OHIO, AND THE APPROACH ROADWAY CONTINUING NORTH SHALL BE DESIGNATED SR833. THE APPROACH ROADWAY SOUTH OF SR833 IN OHIO SHALL BE DESIGNATED AS MAIN STREET.

1997 SPECIFICATIONS - ODOT

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

INDEX OF SHEETS:

WEST VIRGINIA UTILITIES
BEFORE YOU DIG
CALL 1-800-245-4848 (TOLL FREE)

DESIGN DESIGNATION

CURRENT ADT (2004) 11,500
DESIGN YEAR ADT (2024) 15,500
DESIGN HOURLY VOLUME (2024) 1,550
DIRECTIONAL DISTRIBUTION 50%
TRUCKS (24 HOUR B&C) 6%
DESIGN SPEED 35 MPH (MAIN ST. & WV 62)
LEGAL SPEED 35 MPH (MAIN ST. & WV 62)
DESIGN SPEED 35 MPH (SR 833)
LEGAL SPEED 35 MPH (SR 833)
DESIGN FUNCTIONAL CLASSIFICATION -
SR 833 - RURAL PRINCIPAL ARTERIAL
WV 62 - MAJOR COLLECTOR (RURAL)
MAIN STREET - URBAN COLLECTOR

UNDERGROUND UTILITIES
TWO WORKING DAYS
BEFORE YOU DIG
CALL 1-800-925-0988 (TOLL FREE)
CALL 1-800-362-2764 (TOLL FREE)
OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS
MUST BE CALLED DIRECTLY

PLAN PREPARED BY:
BRW/Hazelet & Erdal of Ohio, Inc.
36 East Seventh Street, Suite 2300
Cincinnati, Ohio 45202
In Association With
Balke Engineers
1848 Summit Road
Cincinnati, Ohio 45237

SPECIAL PROVISIONS	STANDARD CONSTRUCTION DRAWINGS - OHIO										SUPPLEMENTAL SPECIFICATIONS	
SANITARY LIFT	BP-3.1	7-28-00	GR-1.1M	10-21-97	TC-41.20	1-19-01	TC-82.10	1-19-01	HL-20.11	4-19-02	SS806	9-9-97
STATION 8-5-02	BP-4.1	7-28-00	GR-1.2M	1-3-96	TC-41.40	1-18-02	TC-83.10	5-1-00	HL-20.13	4-19-02	SS826	9-1-98
CONCRETE CABLE-	BP-5.1	7-28-00	GR-1.3M	11-30-94	TC-41.41	1-19-01	TC-83.20	5-1-00	HL-20.14M	4-19-02	SS828	7-28-98
STAYED BRIDGE 8-5-02	BP-7.1	7-28-00	GR-2.1M	4-14-98	TC-41.50	1-19-01	TC-84.20	5-1-00	HL-30.11	4-19-02	SS830	10-21-98
WATERWAY PERMITS	CB-1.1	7-20-01	GR-4.2M	10-21-97	TC-42.10	1-19-01	TC-85.10	4-19-02	HL-30.21	4-19-02	SS842	1-6-99
7-11-02	CB-1.2	7-20-01	HW-2.1	7-20-01	TC-42.20	4-20-01	TC-85.20	5-1-00	HL-30.22	4-19-02	SS844	1-6-99
	CB-2.1	7-20-01	HW-2.2	7-20-01	TC-51.11	4-20-01	MT-97.11	4-19-02	HL-30.32	4-19-02	SS846	9-9-97
	CB-2.2	7-20-01	I-1.2	7-20-01	TC-51.12	4-20-01	MT-99.10M	1-30-95	HL-30.33	4-19-02	SS864	7-11-00
	DM-1.1	7-20-01	LA-1.1	7-28-00	TC-52.10	4-20-01	MT-99.20M	1-30-95	HL-40.10	4-19-02	SS865	2-22-00
	DM-1.2	7-20-01	LA-1.2	7-28-00	TC-52.20	4-20-01	MT-101.20M	3-1-96	HL-60.11	7-20-01	SS870	8-10-99
	DM-2.1	7-20-01	MH-1.2	7-20-01	TC-65.10	10-19-01	MT-105.10M	4-25-94	HL-60.12	7-20-01	SS877	4-13-99
	DM-4.1	7-20-01	RM-1.1	4-29-99	TC-65.11	10-19-01	MT-105.11M	4-25-94	HL-60.13	7-20-01	SS954	9-9-97
	DM-4.2	7-20-01	RM-4.2	1-18-02	TC-65.12	10-19-01	MT-120.00	3-1-00	AS-1-81	4-20-01	SS1003	8-14-95
	DM-4.3	7-20-01	RM-4.3M	10-21-97	TC-71.10	4-19-02	HL-10.11	4-19-02	EXJ-6-95	4-20-01		
	DM-4.4	7-20-01	RM-5.1M	1-03-96	TC-73.10	1-19-01	HL-10.12	4-19-02	PSID-1-99	10-20-00		
	F-1.1	7-28-00	TC-17.10	1-19-01	TC-81.10	5-1-00	HL-10.13	5-1-01	SICD-1-96	4-20-01		

FOR STANDARD CONSTRUCTION DRAWINGS - WEST VIRGINIA, SEE SHEET NO. 18

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

APPROVED ______________________
DATE __________ DISTRICT DEPUTY DIRECTOR

APPROVED ______________________
DATE __________ DIRECTOR, DEPARTMENT OF TRANSPORTATION

FEDERAL PROJECT NO.
S 327 33-0.00
MASON COUNTY
BR-0033 (228)E

PID NO. **19714**

CONSTRUCTION PROJECT NO.

RAILROAD INVOLVEMENT
CSX RAILROAD

MEG-33-15.70

	DESIGN EXCEPTIONS APPROVAL DATE											
ROADWAY	LANE WIDTH	SHOULDER WIDTH	BRIDGE WIDTH	STRUCTURAL CAPACITY	GRADED SHOULDER	HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT	GRADES	SSD	CROSS SLOPES	SUPERELEVATION MAX. RATE	HORIZONTAL CLEARANCE	VERTICAL CLEARANCE
US 33 / SR 833	N.A.	6-07-02	N.A.	N.A.	N.A.	6-07-02	N.A.	N.A.	6-07-02	N.A.	6-07-02	N.A.	N.A.
WV 62	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
MAIN STREET	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

ENGINEERS SEAL:

STATE OF OHIO
EDWARD N. McDERMOTT
E-48010
REGISTERED
PROFESSIONAL ENGINEER

SHEET NOS.: 305, 306, 307, 308 313-321

SIGNED: [signature]
DATE: 1-August-2002

ENGINEERS SEAL:

STATE OF OHIO
MICHAEL JOHN ZWICK
59572
REGISTERED
PROFESSIONAL ENGINEER

SHEET NOS.: 333, 338-343, 377, 380-418, 532-542

SIGNED: [signature]
DATE: 1-August-2002

ENGINEERS SEAL:

STATE OF OHIO
ROBERT A. TACKETT
E-51026
REGISTERED
PROFESSIONAL ENGINEER

SHEET NOS.: 519-526

SIGNED: [signature]
DATE: 1-August-2002

ENGINEERS SEAL:

STATE OF OHIO
DAVID L. JEAKLE
E-66862
REGISTERED
PROFESSIONAL ENGINEER

SHEET NOS.: 331-332, 334-337, 344-345, 378-379, 419-518, 528-531, 543-554.

SIGNED: [signature]
DATE: 31-JULY-2002

ENGINEERS SEAL:

STATE OF OHIO
KENNETH J. WESP
E-30453
REGISTERED
PROFESSIONAL ENGINEER

SHEET NOS.: 1-2A, 5-10, 13-22, 25-26, 29-35, 46-51, 53-55, 57-59, 64-82, 86-94, 98-103, 106-108, 110-111, 120-137, 144-147, 159-182, 193-208, 210-213, 216-217, 218A-218D, 220-232, 277-281, 284-287, 298-302, 330

SIGNED: [signature]
DATE: August 1, 2002

ENGINEERS SEAL:

STATE OF OHIO
MICHAEL R. STURDEVANT
E-49864
REGISTERED
PROFESSIONAL ENGINEER

SHEET NOS.: 237-238, ~~346-376, 555-573~~, 290, 291.

SIGNED: [signature]
DATE: August 1, 2002

ENGINEERS SEAL:

STATE OF OHIO
JEFFREY A. PROCTOR
E-56401
REGISTERED
PROFESSIONAL ENGINEER

SHEET NOS.: 104, 105, 239-249, 254, 255, 259-270, 275.

SIGNED: [signature]
DATE: Aug. 1, 2002

ENGINEERS SEAL:

STATE OF OHIO
RALPH E. THOMPSON JR.
44479
REGISTERED
PROFESSIONAL ENGINEER

SHEET NOS.: 257, 258.

SIGNED: [signature]
DATE: August 1, 2002

ENGINEERS SEAL:

KARIM A. SIAHKOOHI
REGISTERED
12463
STATE OF WEST VIRGINIA
PROFESSIONAL ENGINEER

SHEET NOS.: 1-5, 11-21, 23, 24, 26, 36-41, 52, 56, 60, 61, 64-88, 94-103, 106, 108, 109, 112-121, 138-143, 149-159, 183-192, 209, 214-216, 218, 218B, 218C, 218D, 219, 233-236, 239, 240, 250-253, 255, 256, 259, 260, 271-274, 277-279, 282-288, 292-298, 303, 309,

SIGNED: [signature]
DATE: 8-1-2002

PLAN PREPARED BY:
BRW/Hazelet & Erdal of Ohio, Inc.
36 East Seventh Street, Suite 2300
Cincinnati, Ohio 45202
In Association With
Balke Engineers
1848 Summit Road
Cincinnati, Ohio 45237

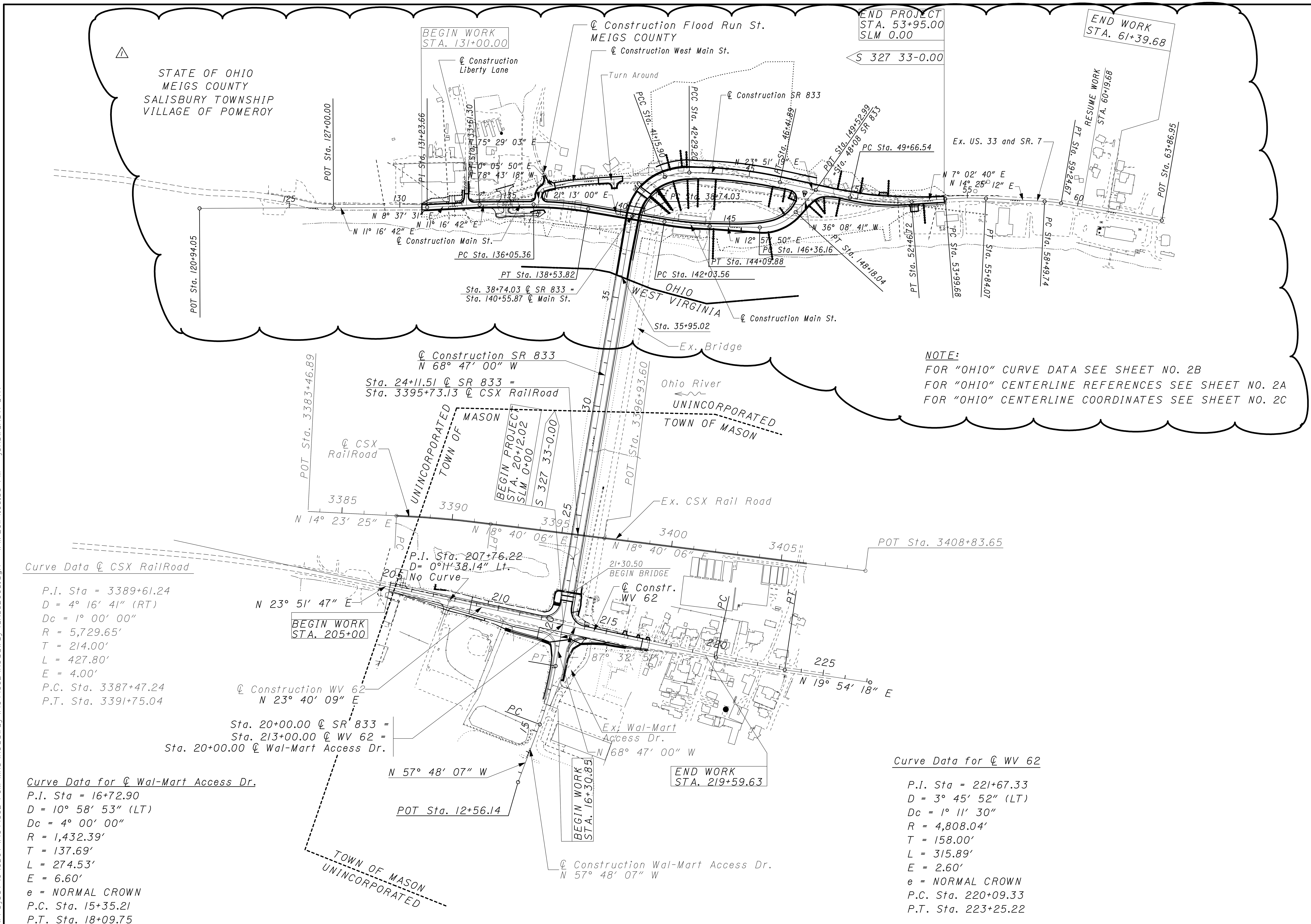
FEDERAL PROJECT NO.
S 327 33-0.00
MASON COUNTY
BR-0033 (228)E

PID NO.
19714

CONSTRUCTION PROJECT NO.

RAILROAD INVOLVEMENT
CSX RAILROAD

MEG-33-15.70



NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

0 100 200 400
HORIZONTAL SCALE IN FEET

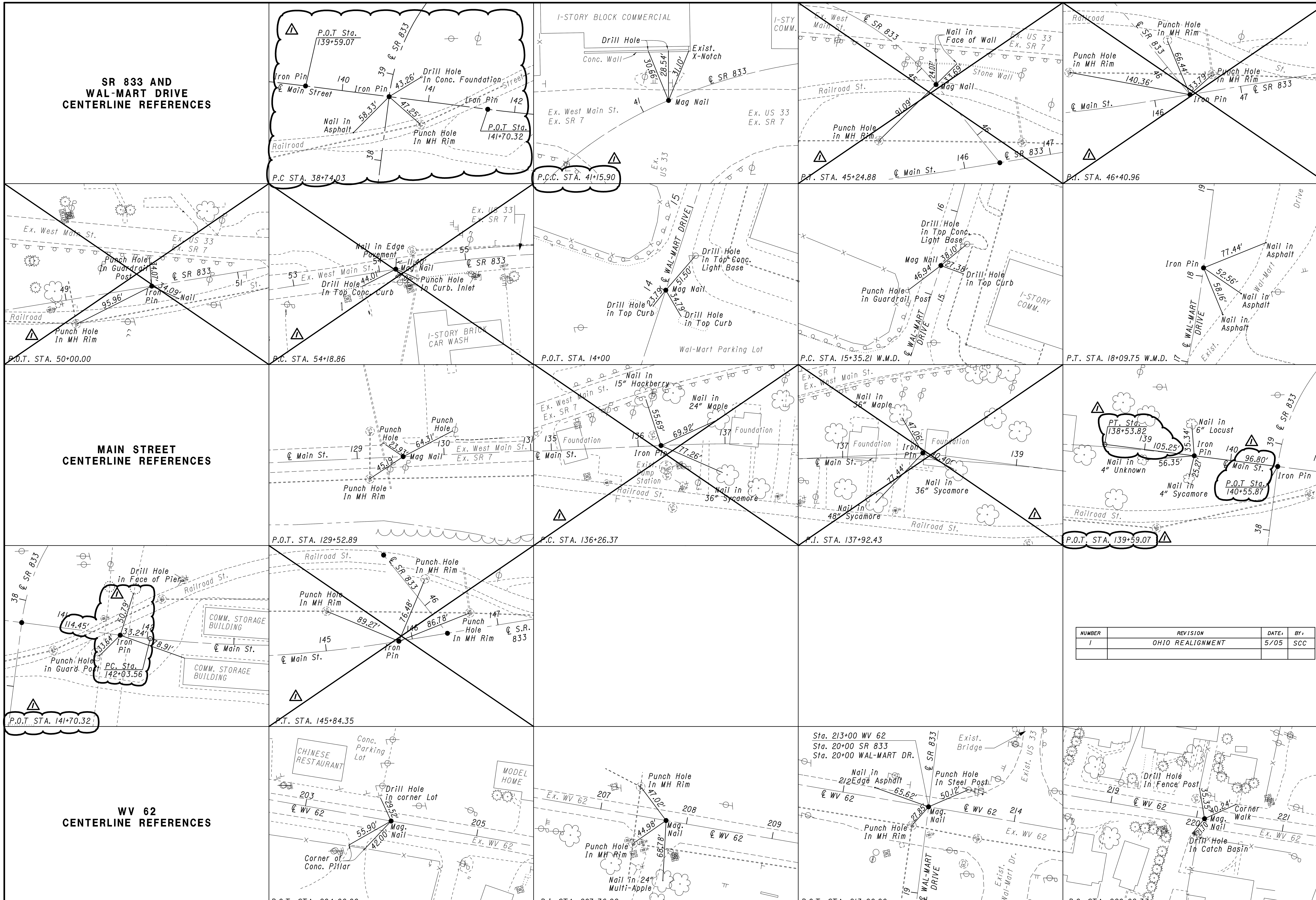
CALCULATED JGB
CHECKED AM

SCHEMATIC PLAN

MEG-33-15.70

2
582

J:\Project\O\ODOT\14944862 POM-MAS\Roadway\ak_GB003.dgn - 1/11/2011 4:08:56 PM - jon_wanstrath



NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

CENTERLINE REFERENCES

MEG-33-15.70

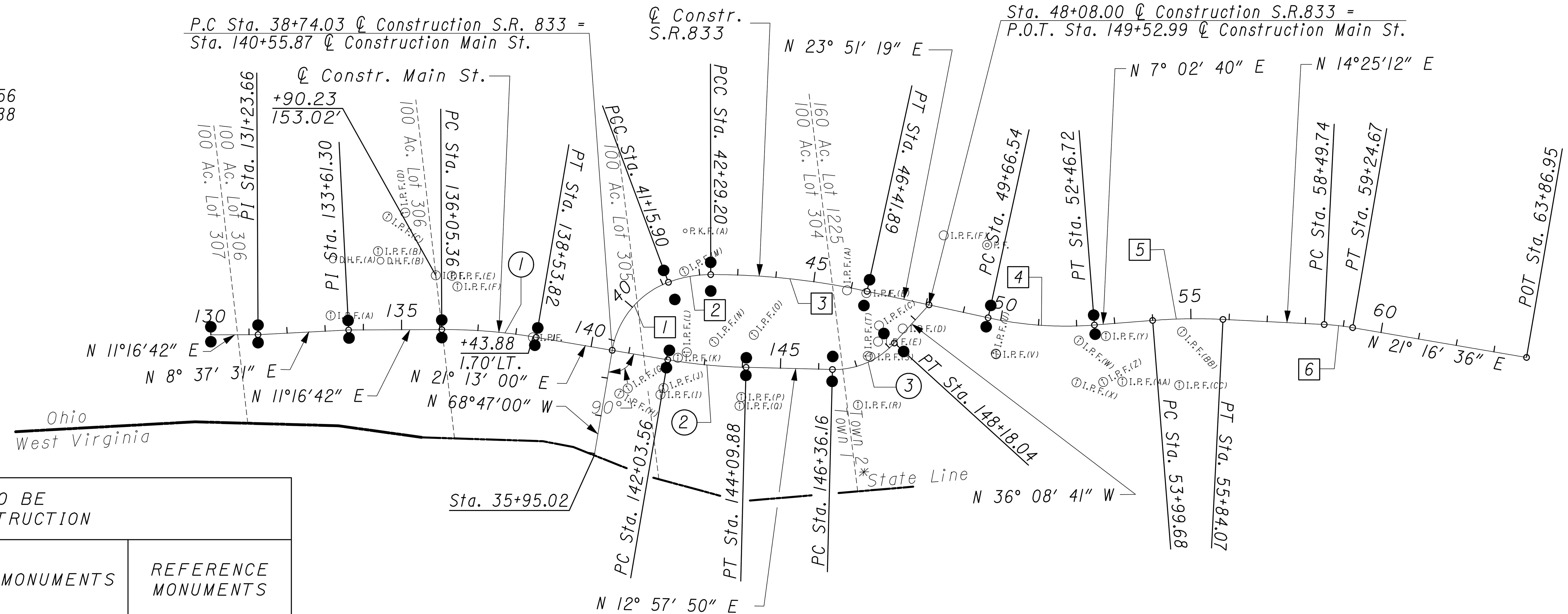
2A
582

Curve Data - ℄ Construction Main Street

(1)
Curve 1
P.I. Sta = 137+29.90
△ = 9° 56' 18" (RT)
Dc = 4° 00' 00"
R = 1,432.39'
T = 124.54'
L = 248.46'
E = 5.40'
P.C. Sta. 136+05.36
P.T. Sta. 138+53.82
e_{max} = N.C.

(2)
Curve 2
P.I. Sta = 143+06.90
△ = 8°15'10" (LT)
Dc = 4°00'00"
R = 1,432.39'
T = 103.34'
L = 206.32'
E = 3.72'
P.C. Sta. 142+03.56
P.T. Sta. 144+09.88
e_{max} = N.C.

(3)
Curve 3
P.I. Sta = 147+33.11
△ = 49° 06' 32" (LT)
Dc = 27° 00' 00"
R = 212.21'
T = 96.95'
L = 181.88'
E = 21.10'
P.C. Sta. 146+36.16
P.T. Sta. 148+18.04
e_{max} = 0.027



MONUMENTS TO BE SET DURING CONSTRUCTION				
STATION	DIST. FROM ℄ CONSTRUCTION		℄ MONUMENTS	REFERENCE MONUMENTS
	LEFT	RIGHT		
℄ CONSTR. S.R. 833				
P.C. Sta. 38+74.03	0'	0'	1(Under Bridge)	
P.C.C. Sta. 41+15.90	34'	48'		2
P.C.C Sta. 42+29.20	32'	43'		2
P.T. Sta. 46+41.89	31'	38'		2
P.C. Sta. 49+66.54	33'	24'		2
P.T. Sta. 52+46.72	26'	24'		2
℄ CONSTR. MAIN STREET				
P.O.T. Sta. 130+00.00	21'	18'		2
P.I. Sta. 131+23.66	25'	21'		2
P.I. Sta. 133+61.30	25'	21'		2
P.C. Sta. 136+05.36	25'	21'		2
P.T. Sta. 138+53.82	25'	21'		2
P.C. Sta. 142+03.56	25'	21'		2
P.T. Sta. 144+09.88	25'	21'		2
P.C. Sta. 146+36.16	34'	31'		2
P.T. Sta. 148+18.04	37'	33'		2
TOTAL			1	28

MONUMENT LEGEND

- ● PROPOSED CONCRETE MONUMENT
- I.R.F. Found Iron Pin w/I.D. Cap
- I.R.F. Found Iron Pin
- P.F. Found Iron Pipe
- I.P.S. Iron Pin to be Set w/I.D. Cap
- P.K.F. P.K. Nail Found

Curve Data - ℄ Construction S.R. 833

1
Curve 1
P.I. Sta = 40+07.32
△ = 59°51'52" (RT)
Dc = 24° 45' 00"
R = 231.50'
T = 133.29'
L = 241.88'
E = 35.63'
P.C. Sta. 38+74.03
P.C.C. Sta. 41+15.90
e_{max} = 0.04

2
Curve 2
P.I. Sta = 41+73.16
△ = 20°23'36" (RT)
Dc = 18° 00' 00"
R = 318.31'
T = 57.25'
L = 113.30'
E = 5.11'
P.C.C. Sta. 41+15.90
P.C.C. Sta. 42+29.20
e_{max} = 0.04

3
Curve 3
P.I. Sta = 44+36.35
△ = 12°22'50" (RT)
Dc = 3° 00' 00"
R = 1,909.86'
T = 207.15'
L = 412.69'
E = 11.20'
P.C.C. Sta. 42+29.20
P.T. Sta. 46+41.89
e_{max} = N.C.

4
Curve 4
P.I. Sta = 51+07.64
△ = 16°48'38" (LT)
Dc = 6°00'00"
R = 954.93'
T = 141.10'
L = 280.18'
E = 10.37'
P.C. Sta. 49+66.54
P.T. Sta. 52+46.72
e_{max} = N.C.

5
Curve 5
P.I. Sta = 54+92.01
△ = 7°22'32" (RT)
Dc = 4°00'00"
R = 1,432.39'
T = 92.32'
L = 184.39'
E = 2.97'
P.C. Sta. 53+99.68
P.T. Sta. 55+84.07

6
Curve 6
P.I. Sta = 58+87.25
△ = 6°51'23" (RT)
Dc = 9°09'00"
R = 626.18'
T = 37.51'
L = 74.93'
E = 1.12'
P.C. Sta. 58+49.74
P.T. Sta. 59+24.67

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

0 100 200 400
SCALE IN FEET

CALCULATED REF
CHECKED SJ

ALIGNMENT PLAN - OHIO

MEG-33-15.70

STATION	LOCATION	PROJECT COORDINATES ON ADJUSTMENT FACTOR		STATE PLANE NAD 83 OHIO SOUTH ZONE	
		NORTH	EAST	NORTH	EAST
℄ CONSTRUCTION S.R. 833					
P.C. STA. 38+74.03 (MAIN ST. INT.)	℄	369601.4231	2098305.8374	369574.8414	2098154.9272
P.C.C. STA. 41+15.90	℄	369781.3399	2098160.9164	369754.7452	2098010.0167
P.C.C STA. 42+29.20	℄	369894.0106	2098163.4298	369867.4078	2098012.5299
P.T. STA. 46+41.89	℄	370286.4754	2098288.4158	370259.8444	2098137.5069
P.C. STA. 49+66.54	℄	370583.3946	2098419.7143	370556.7422	2098268.7960
P.T. STA. 52+46.72	℄	370852.4797	2098494.0846	370825.8080	2098343.1609
P.C. STA. 53+99.68	℄	371004.2900	2098512.8443	370977.6074	2098361.9193
P.T. STA. 55+84.07	℄	371185.3293	2098547.1577	371158.6337	2098396.2302
℄ CONSTRUCTION MAIN STREET					
P.O.T. STA. 130+00.00	℄	368579.2566	2098055.7297	368552.7484	2097904.8375
P.I. STA. 131+23.66	℄	368700.5320	2098079.9153	368674.0151	2097929.0214
P.I. STA. 133+61.30	℄	368935.4769	2098115.5531	368908.9431	2097964.6566
P.C. STA. 136+05.36	℄	369174.8276	2098163.2861	369148.2765	2098012.3862
P.T. STA. 138+53.82	℄	369413.0631	2098232.7142	369386.4949	2098081.8093
P.C. STA. 142+03.56	℄	369739.0980	2098359.2840	369712.5064	2098208.3700
P.T. STA. 144+09.88	℄	369936.1342	2098419.8638	369909.5284	2098268.9454
P.C. STA. 146+36.16	℄	370156.6488	2098470.6276	370130.0271	2098319.7056
P.T. STA. 148+18.04	℄	370329.4205	2098435.1928	370302.7864	2098284.2733
P.O.T. STA. 149+52.99	℄	370438.3962	2098355.5956	370411.7543	2098204.6819

THE DELTA ANGLES AND BEARINGS WERE CALCULATED WITH GREATER PRECISION, BUT ARE SHOWN ON THE ALIGNMENT PLAN ROUNDED TO THE NEAREST SECOND, AND THE RADII ARE SHOWN ROUNDED TO THE NEAREST 0.01'.

PROJECT COORDINATES ARE ON AN ADJUSTMENT FACTOR TO YIELD SURFACE MEASURED DISTANCES. TO CONVERT FROM PROJECT COORDINATES TO STATE PLANE NAD83 OHIO SOUTH ZONE COORDINATES, MULTIPLY BY THE AVERAGE COMBINATION SCALE FACTOR OF 0.99992808.

COORDINATES SHOWN ARE IN U.S. SURVEY FEET AND ARE BASED UPON CONTROL PROVIDED BY THE OHIO DEPARTMENT OF TRANSPORTATION, DISTRICT 10.

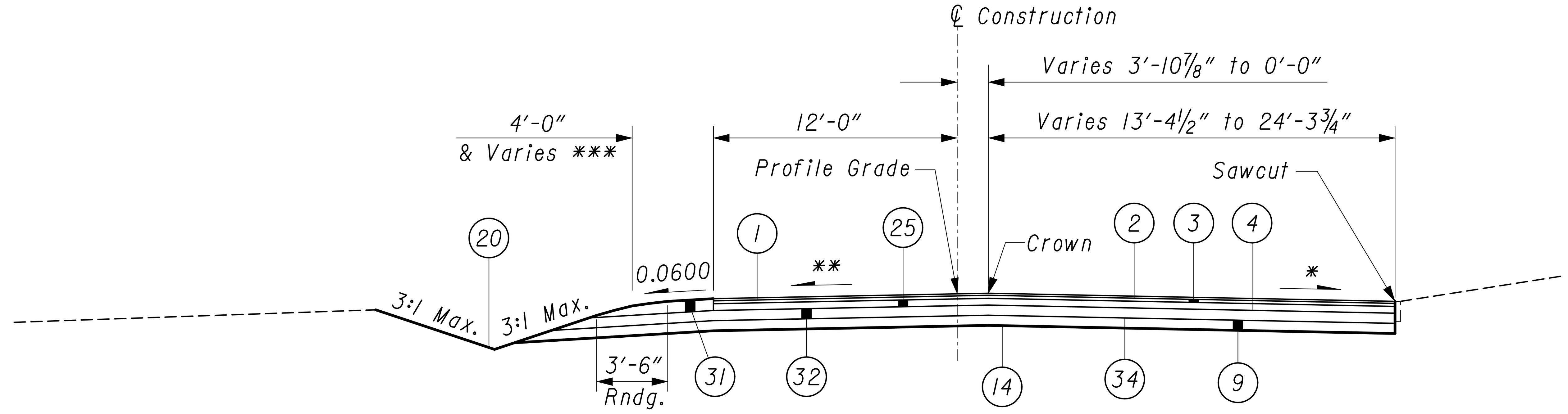
NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED SJ
CHECKED SAO

ALIGNMENT PLAN - OHIO
CENTERLINE COORDINATES

MEG-33-15.70

2C
582



** Cross slope varies from existing cross slope at Sta. 16+30.85 to 0.0123 at Sta. 16+87.12.

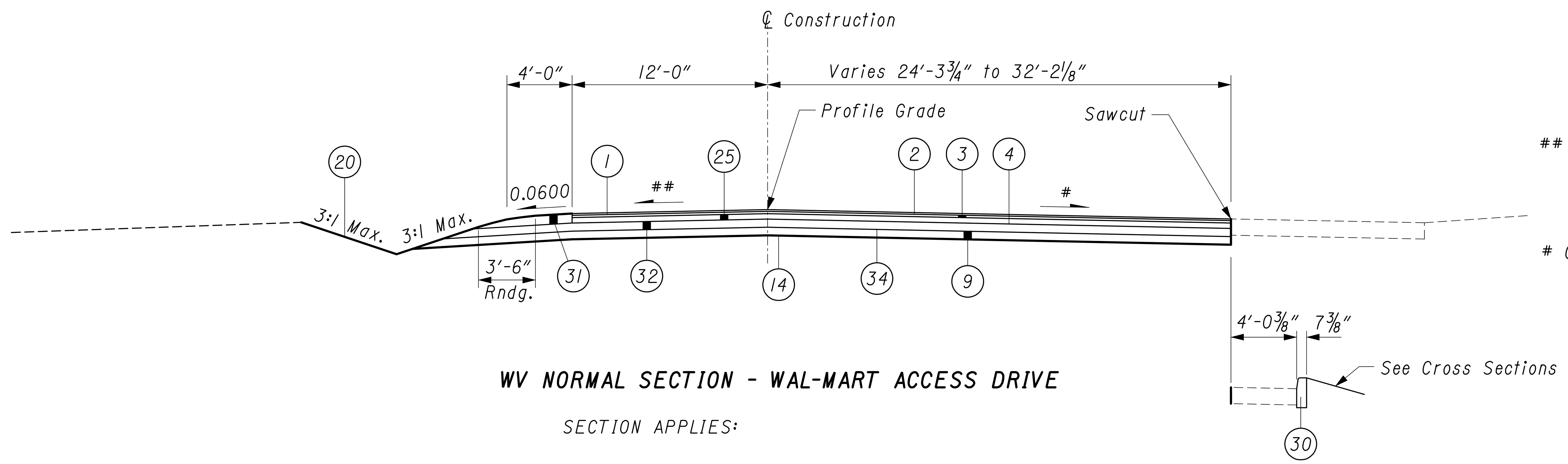
* Cross slope varies from existing cross slope at Sta. 16+30.85 to 0.0115 at Sta. 16+87.12.

*** Varies from 0'-0" at 16+30.85 to 4'-0" at 16+60.85

WV NORMAL SECTION - WAL-MART ACCESS DRIVE

SECTION APPLIES:

STA. 16+30.85 TO STA. 16+87.12 = 56.27 L.F.



Cross slope varies from 0.0123 at Sta. 16+87.12 to 0.0148 at Sta. 17+50.00.

Cross slope varies from 0.0115 at Sta. 16+87.12 to 0.0142 at Sta. 17+50.00.

WV NORMAL SECTION - WAL-MART ACCESS DRIVE

SECTION APPLIES:

STA. 16+87.12 TO STA. 17+50.00 = 62.88 L.F.

STA. 17+48.55 TO STA. 17+50.00
(Begin Curb, Sta. 17+22.63, 80.18' Rt.)
See Sheet No. 112

LEGEND

1. Item 826, 1¼" Asphalt Concrete Surface Course, Type I, Fiber B
2. Item 407, Tack Coat for Intermediate Course (0.050 Gal./Sq. yd.)
3. Item 826, 1¾" Asphalt Concrete Intermediate Course, Type I, Fiber B
4. Item 407, Tack Coat (0.075 Gal./Sq. Yd.)
5. Item 301, 9" Bituminous Aggregate Base, PG64-22
6. Item 301, 6" Bituminous Aggregate Base, PG64-22
7. Item 301, 3" Bituminous Aggregate Base, PG64-22
8. Item 408, Bituminous Prime Coat (0.4 Gal/Sq. Yd.)
9. Item 304, 6" Aggregate Base
10. Item Special, Misc.: Combination Concrete Curb and Gutter, Type IV (WVDOH), As per Plan
11. Item 622, Concrete Barrier, Type D
12. Item 608, 4" Concrete Walk
13. Item 611, Reinforced Concrete Approach Slab (T = 15")
14. Item 203, Subgrade Compaction
15. Item 606, Guardrail, Type 5
16. Item 605, 4" Shallow Pipe Underdrain
17. Item 830, Combination Curb and Gutter, Type 2
    Item 830, Combination Curb and Gutter, Type 2, As Per Plan
18. Item 830, Curb, Type 6
19. Item 830, Curb, Type 7
20. Item 870, Seeding and Mulching
21. Item 302, Bituminous Aggregate Base, PG64-22 (Variable Depth)
22. Item 254, 1¼" Pavement Planing, Bituminous
23. Item Special, Misc.: Combination Concrete Curb and Gutter, Type I (WVDOH), As per Plan
24. Item 826, 2¼" Asphalt Concrete Intermediate Course, Type I, Fiber B
25. Item 301, 4" Bituminous Aggregate Base, PG64-22
26. Item Special, Misc.: 12" Portland Cement Concrete Approach Slab (WVDOH)
27. Item Special, Misc.: 4" Open Graded Free Draining Base Course (WVDOH)
28. Item 254, 3" Pavement Planing, Bituminous
29. Item Special, Misc.: Free Draining Base Trench (WVDOH)
30. Item Special, Misc.: Plain Concrete Curbing, Type I (WVDOH)
31. Item Special, Misc.: Aggregate Base Course, Class I (Ton) (WVDOH) (Variable Depth)
32. Item Special, Misc.: 6" Aggregate Base Course, Class I (C.Y.) (WVDOH)
33. Item 202, Pavement Removed
34. Item Special, Misc.: Fabric for Separation (WVDOH)
35. Item Special, Misc.: Class K Concrete (WVDOH)
36. Item Special, Misc.: 4" Aggregate Base Course, Class I (C.Y.) (WVDOH)
37. Item Special, Misc.: Outlet Pipe, 6" (WVDOH)

(A) Exist. Asphalt over Concrete

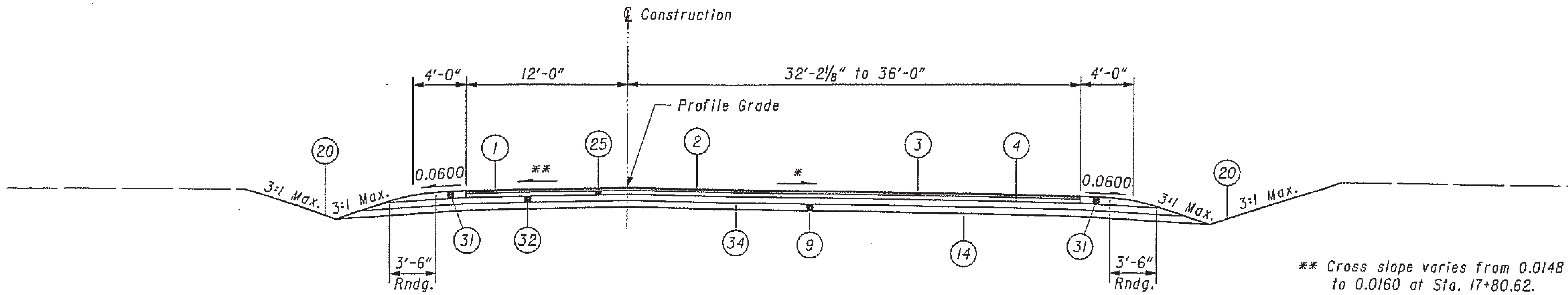
(B) Exist. Asphalt

1

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

TYPICAL SECTIONS - WAL-MART ACCESS DRIVE (WV)

MEG-33-15.70



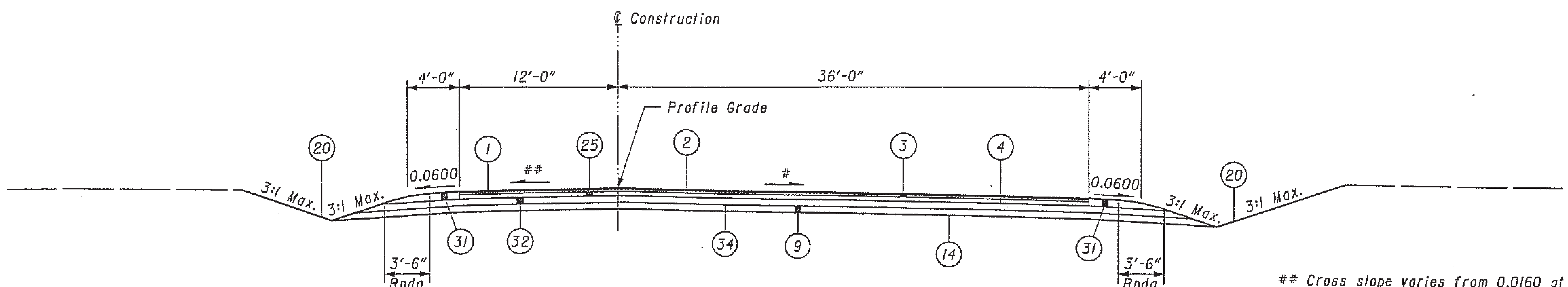
WV NORMAL SECTION - WAL-MART ACCESS DRIVE

SECTION APPLIES:

STA. 17+50.00 TO STA. 17+80.62 = 30.62 L.F.

** Cross slope varies from 0.0148 at Sta. 17+50.00 to 0.0160 at Sta. 17+80.62.

* Cross slope varies from 0.0142 at Sta. 17+50.00 to 0.0155 at Sta. 17+80.82.



WV NORMAL SECTION - WAL-MART ACCESS DRIVE

SECTION APPLIES:

STA. 17+80.62 TO STA. 19+63.97 = 183.35 L.F.

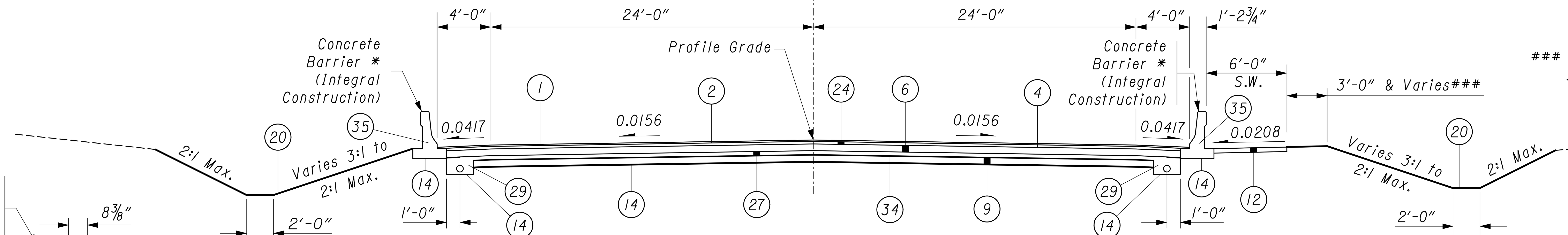
Cross slope varies from 0.0160 at Sta. 17+80.62 to 0.0200 at Sta. 18+80.62.

Cross slope varies from 0.0155 at Sta. 17+80.62 to 0.0200 at Sta. 18+84.15.

For Legend see Sheet No. 3.
For Intersection Detail see Sheet No. 219.

TYPICAL SECTIONS - WAL-MART ACCESS DRIVE (WV)

MEG-33-15.70

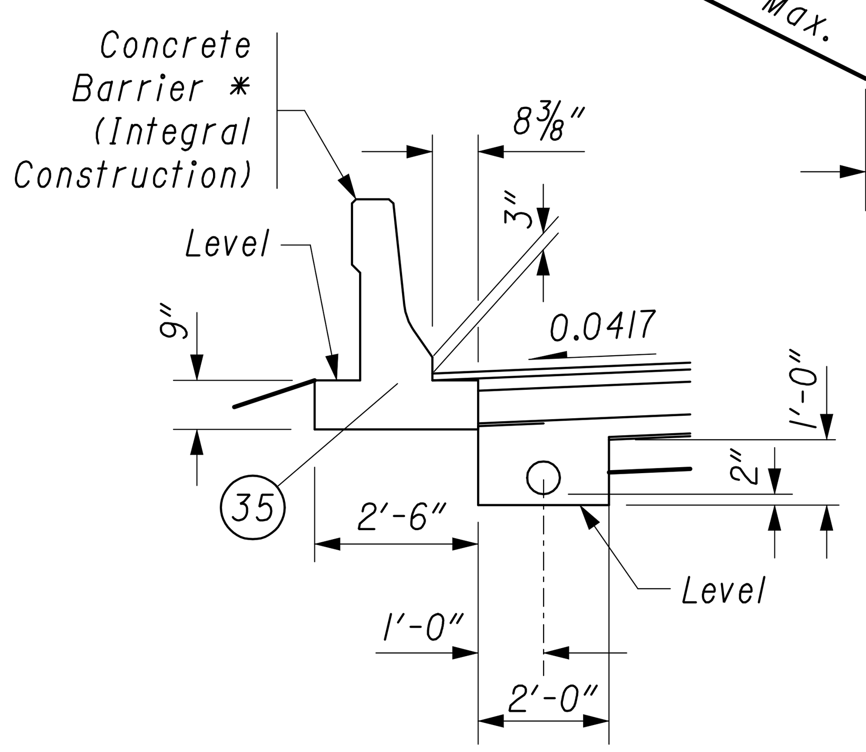


WV NORMAL SECTION - SR 833

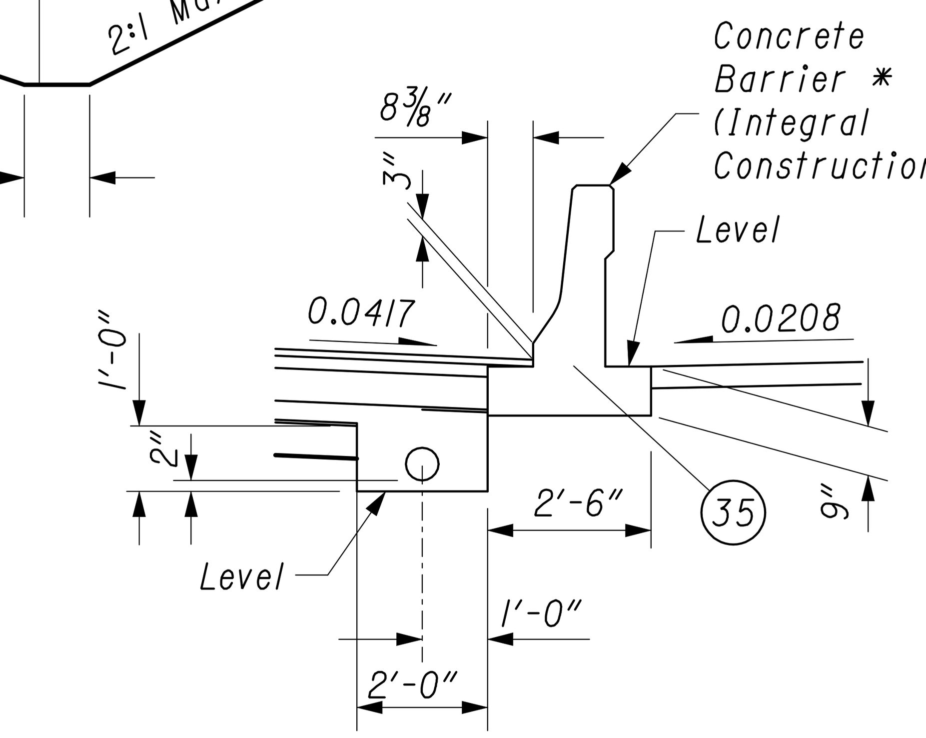
SECTION APPLIES:

STA. 20+12.02 TO STA. 21+09.00 = 96.98 L.F.

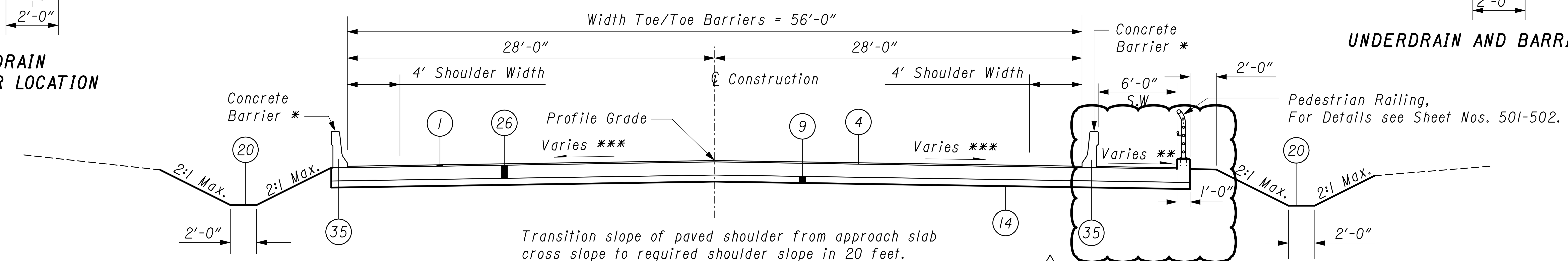
2'-0" at Sta. 20+56.09 to 3'-0" at Sta. 20+65.56



UNDERDRAIN AND BARRIER LOCATION



UNDERDRAIN AND BARRIER LOCATION



Transition slope of paved shoulder from approach slab cross slope to required shoulder slope in 20 feet.

1

WV APPROACH SLAB SECTION - SR 833

SECTION APPLIES:

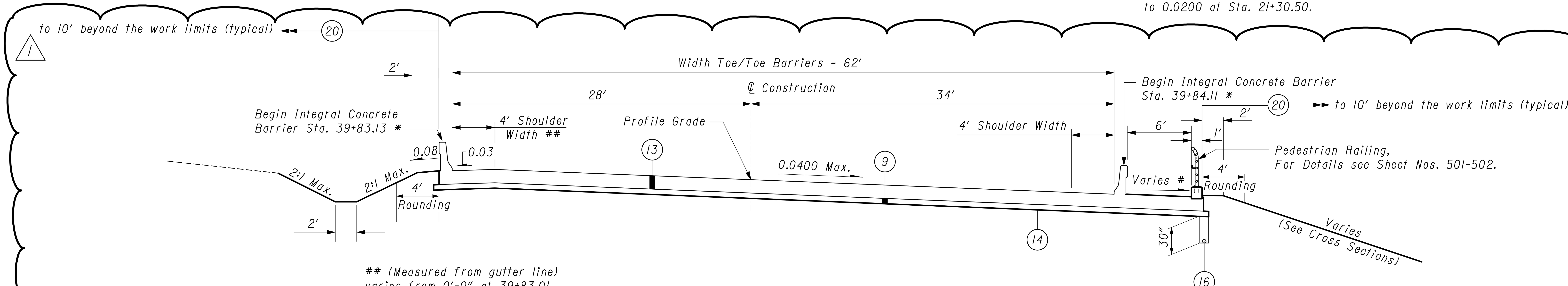
STA. 21+09.00 TO STA. 21+30.50 = 21.50 L.F.

* For Barrier Dimensions not shown, see Sheet No. 369.

** Transition cross slope from -0.0208 at Sta. 21+09.00 to 0.0200 at Sta. 21+30.50.

*** Transition cross slope from 0.0156 at Sta. 21+09.00 to 0.0200 at Sta. 21+30.50.

1



\#\# (Measured from gutter line) varies from 0'-0" at 39+83.01 to 4' at 40+08.01

OHIO APPROACH SLAB SECTION - SR 833

SECTION APPLIES:

STA. 39+83.01 TO STA. 40+08.01 = 25 L.F.

\# TRANSITION CROSS-SLOPE FROM 0.04 AT STA. 39+83.01 TO 0.02 AT STA. 40+08.01

NOTE: Parapet Railing not shown. For Details, see Sheet Nos. 503-504

For Legend see Sheet No. 3

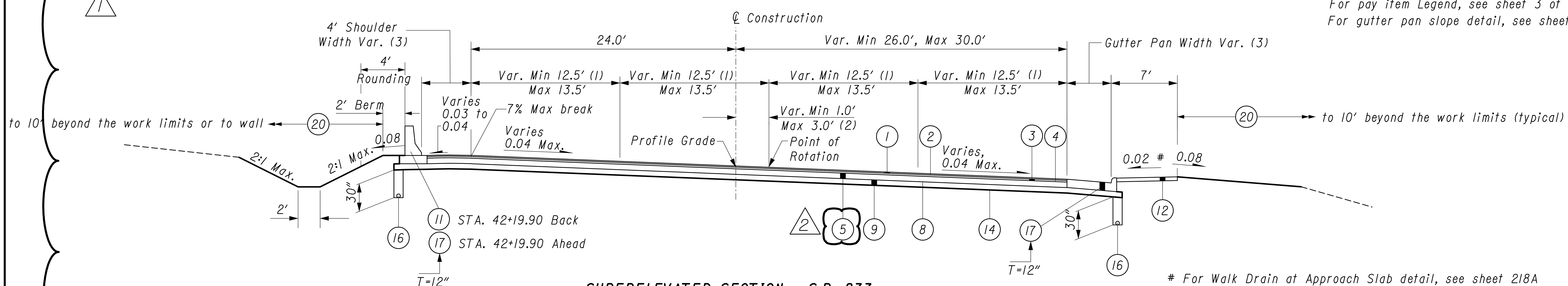
For Intersection Detail, see Sheet No. 219.

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

TYPICAL SECTIONS - SR 833 (WV & OH)

MEG-33-15.70

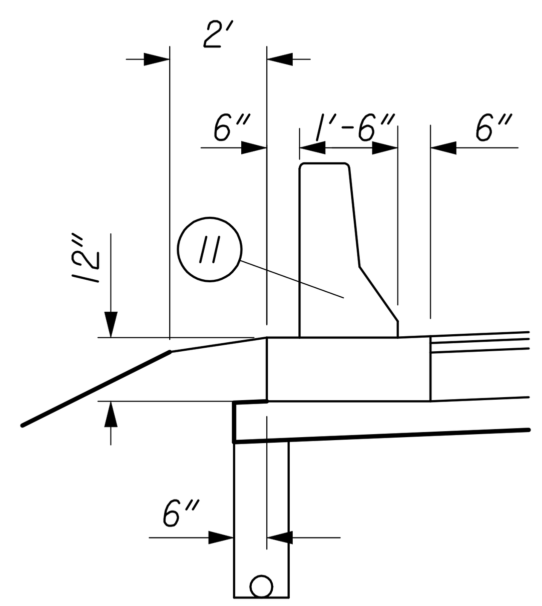
For pay item Legend, see sheet 3 of 582
For gutter pan slope detail, see sheet 9



For Walk Drain at Approach Slab detail, see sheet 218A

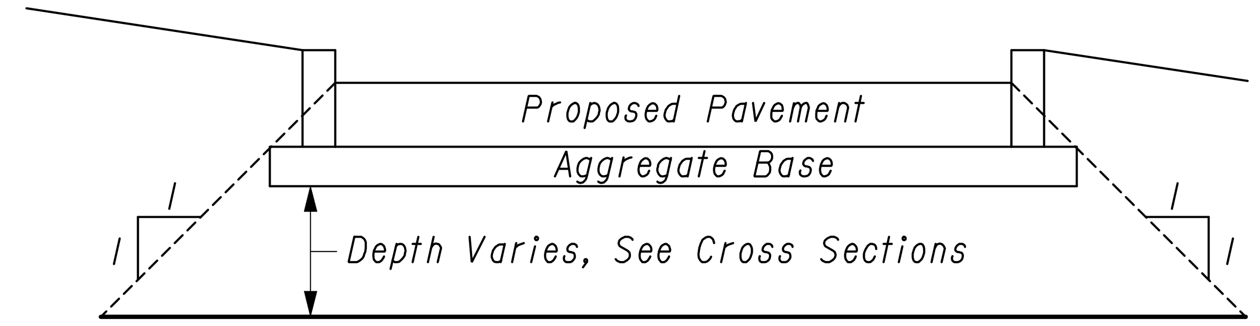
SUPERELEVATED SECTION - S.R. 833

STA. 40+60.00 TO STA. 43+51.31 = 291.31 L.F.



For Item 622, Concrete Barrier, Type D Details, see Sheet No. 218A.

CONCRETE BARRIER, TYPE D DETAIL



STA. 40+50 TO STA. 45+50 - 2.5' Granular Replacement
STA. 45+50 TO STA. 47+50 - 1.5' Embankment Replacement
STA. 47+50 TO STA. 53+00 - 1.5' Granular Replacement

UNDERCUT DETAIL

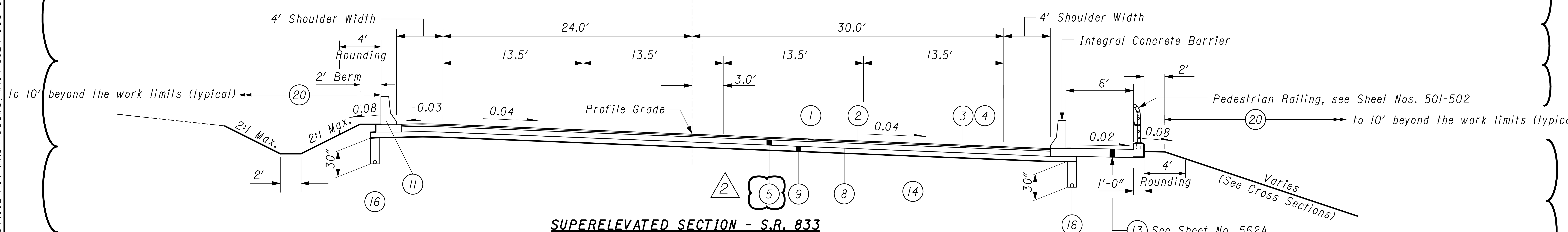
Sta. 40+50 to Sta. 53+00, OH833
For additional Undercut information, see General Notes, Sheet 16.

(1) STA. 40+08.01 TO STA. 41+47.79, 13.5'
STA. 41+47.49 TO STA. 43+51.31, VARIES MAX. 13.5' TO MIN. 12.5'

(2) STA. 40+60.00 TO STA. 41+47.79, 3.0'
STA. 41+47.49 TO STA. 43+51.31, VARIES MAX. 3.0' TO MIN. 1.0'

(3) STA. 40+60.00 TO STA. 42+19.90, 4'
STA. 42+19.90 TO STA. 42+69.90, VARIES MAX. 4' TO MIN. 2'
STA. 42+69.90 TO STA. 43+51.31, 2'

(4) STA. 40+08.01 to STA. 42+19.90



SUPERELEVATED SECTION - S.R. 833

STA. 40+08.01 TO STA. 40+60.00 = 51.99 L.F.

NOTE: Parapet Railing not shown. For Details, see Sheet Nos. 503-504

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC
2	BITUMINOUS AGG. BASE THICKNESS	7/05	SCC

TYPICAL SECTIONS - SR 833 (OH)

MEG-33-15.70

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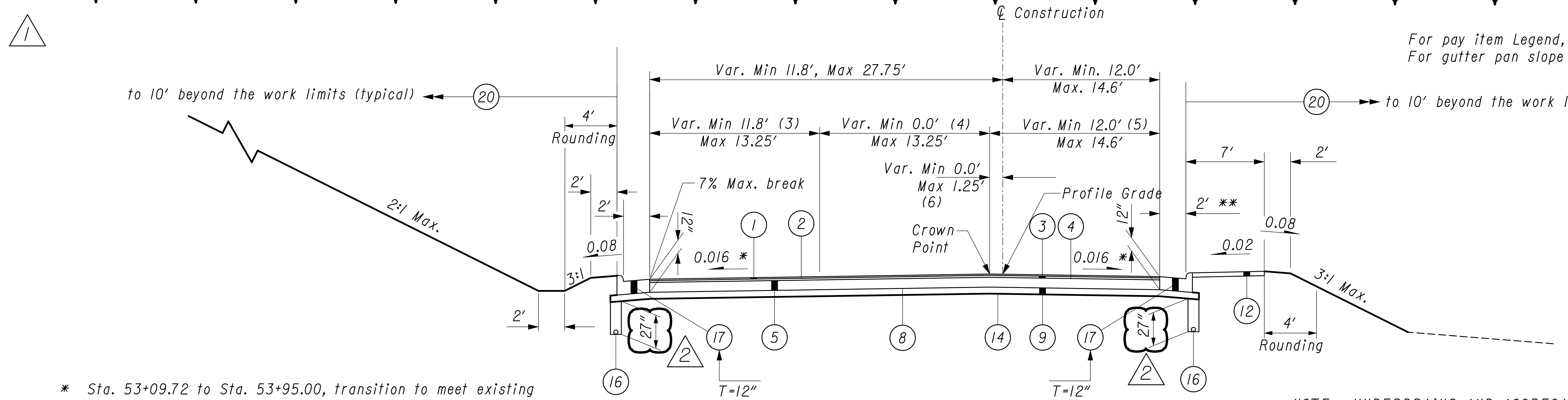
For pay item Legend, see sheet 3 of 582
For gutter pan slope detail, see sheet 9



* Sta. 53+09.72 to Sta. 53+95.00, transition to meet existing
** Sta. 53+65.00 to Sta. 53+95.00, transition to meet existing

NORMAL SECTION - S.R. 833

STA. 47+50.00 TO STA. 53+95.00 = 645.00 L.F.

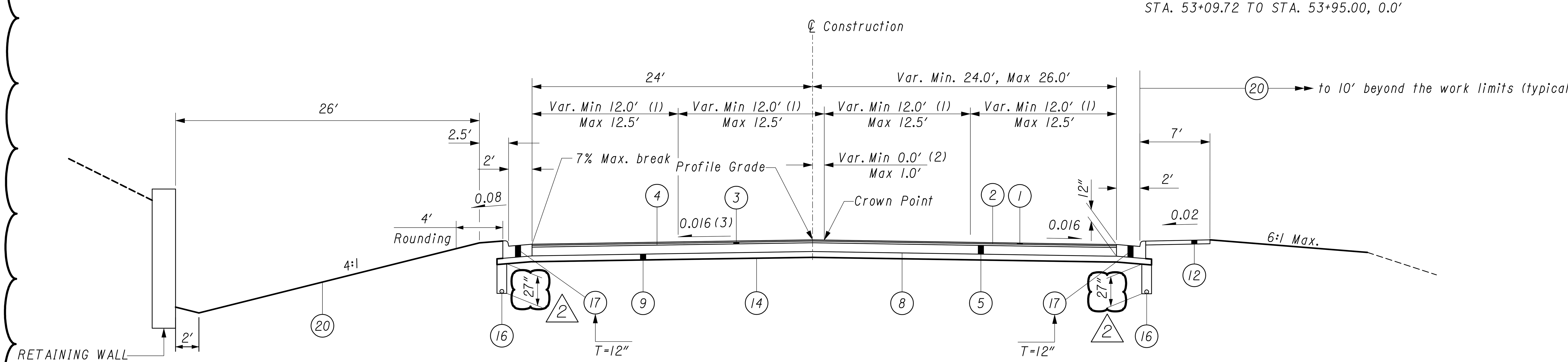
NOTE: UNDERDRAINS AND AGGREGATE BASE SHALL BE MODIFIED ACCORDING TO MAINTENANCE OF TRAFFIC REQUIREMENTS.

(3) STA. 47+50.00 TO STA. 49+03.54, 12.0'
STA. 49+03.54 TO STA. 50+08.54, VARIES MIN 12.0' TO MAX 13.25'
STA. 50+08.54 TO STA. 52+04.72, 13.25'
STA. 52+04.72 TO STA. 53+95.00, VARIES MAX 13.25' TO MIN 11.8'

(4) STA. 47+50.00 TO STA. 49+03.54, 12.0'
STA. 49+03.54 TO STA. 50+08.54, VARIES MIN 12.0' TO MAX 13.25'
STA. 50+08.54 TO STA. 51+40.00, 13.25'
STA. 51+40.00 TO STA. 53+95.00, VARIES MAX 13.25' TO MIN 0.0'

(5) STA. 47+50.00 TO STA. 49+03.54, 12.0'
STA. 49+03.54 TO STA. 50+08.54, VARIES MIN 12.0' TO MAX 13.25'
STA. 50+08.54 TO STA. 52+04.72, 13.25'
STA. 52+04.72 TO STA. 53+09.72, VARIES MAX 13.25' TO MIN 12.0'
STA. 53+09.72 TO STA. 53+95.00, VARIES MIN 12.0' TO MAX 14.6'

(6) STA. 47+50.00 TO STA. 49+03.54, 0.0'
STA. 49+03.54 TO STA. 50+08.54, VARIES MIN 0.0' TO MAX 1.25'
STA. 50+08.54 TO STA. 52+04.72, 1.25'
STA. 52+04.72 TO STA. 53+09.72, VARIES MAX. 1.25 TO MIN. 0.0'
STA. 53+09.72 TO STA. 53+95.00, 0.0'



NORMAL SECTION - S.R. 833

STA. 43+51.31 TO 47+50.00 = 398.69 L.F.

(1) STA. 43+51.31 TO STA. 46+13.89, 12.5'
STA. 46+13.89 TO STA. 46+83.89, VARIES MAX 12.5' TO MIN 12.0'
STA. 46+83.89 TO STA. 47+50.00, 12.0'

(2) STA. 43+51.31 TO STA. 46+13.89, 1.0'
STA. 46+13.89 TO STA. 46+83.89, VARIES MAX 1.0' TO MIN 0.0'
STA. 46+83.89 TO STA. 47+50.00, 0.0'

(3) STA. 43+51.31 TO STA. 44+32.72, VARIES FROM LEVEL TO .016

NOTE:
STA. 46+00.00 RT. TO STA. 49+50.00 RT. = INTERSECTION AREA

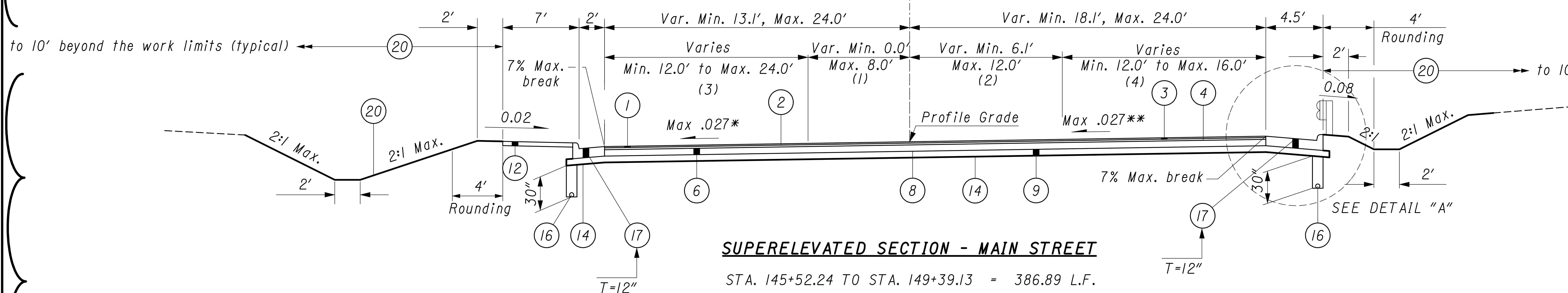
NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC
2	UNDERDRAIN DEPTH	7/05	SCC

TYPICAL SECTIONS - SR 833 (OH)

MEG-33-15.70

For pay item Legend, see sheet 3 of 582
For gutter pan slope detail, see sheet 9
For island detail, see sheet 9

NOTE:
STA. 147+78.22 LT. TO STA. 149+39.13 LT. - INTERSECTION AREA, SEE INTERSECTION DETAIL
STA. 148+79.09 RT. TO STA. 149+39.13 RT. - INTERSECTION AREA, SEE INTERSECTION DETAIL



SUPERELEVATED SECTION - MAIN STREET

STA. 145+52.24 TO STA. 149+39.13 = 386.89 L.F.

(1) STA. 145+52.24 TO STA. 146+82.12, VARIES MIN. 1.1' TO MAX. 8.0'
STA. 146+82.12 TO STA. 147+74.97, 8.0'
STA. 147+74.97 TO STA. 148+61.11, VARIES 8.0' TO 0.0'
STA. 148+61.11 TO STA. 149+39.13, 0.0'

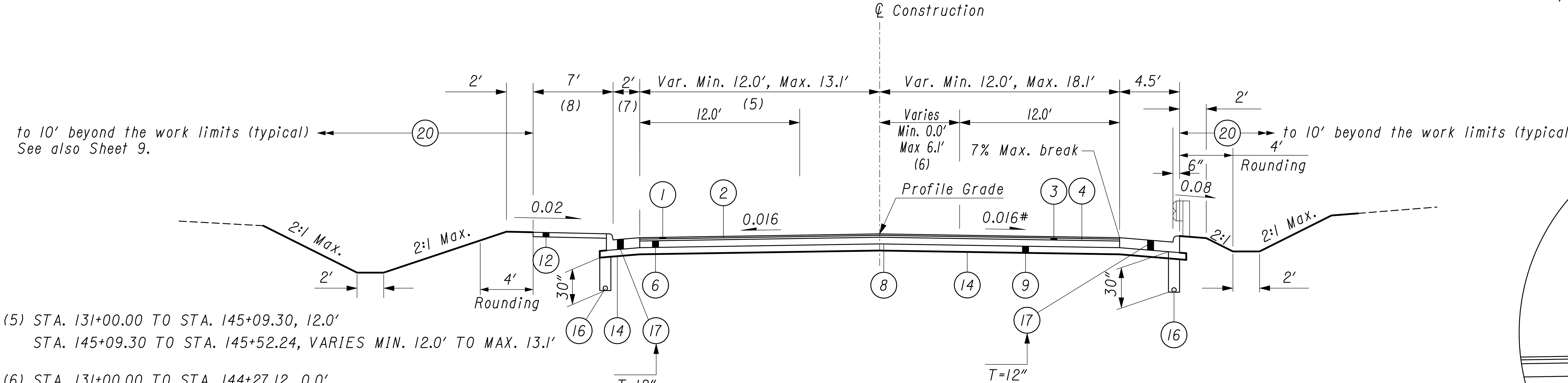
(2) STA. 145+52.24 TO STA. 146+72.12, VARIES MIN. 6.1' TO MAX. 8.0'
STA. 146+72.12 TO STA. 147+74.97, 8.0'
STA. 147+74.97 TO STA. 148+61.11, VARIES MIN. 8.0' TO MAX. 12.0'
STA. 148+61.11 TO STA. 149+39.13, 12.0'

(3) STA. 145+52.24 TO STA. 146+82.12, VARIES 12.0' TO 16.0'
STA. 146+82.12 TO STA. 147+74.97, 16.0'
STA. 147+74.97 TO STA. 148+61.11, VARIES 16.0' TO 24.0'
STA. 148+61.11 TO STA. 149+39.13, 24.0'

(4) STA. 145+52.24 TO STA. 146+72.12, VARIES MIN. 12.0' TO MAX. 16.0'
STA. 146+72.12 TO STA. 147+74.97, 16.0'
STA. 147+74.97 TO STA. 148+61.11, VARIES MAX 16.0' TO MIN 12.0'
STA. 148+61.11 TO STA. 149+39.13, 12.0'

* STA. 145+52.24 TO STA. 146+15.00, 0.016
STA. 146+15.00 TO STA. 146+72.12, VARIES 0.016 TO 0.027
STA. 146+72.12 TO STA. 147+74.97, 0.027
STA. 147+74.97 TO STA. 148+61.11, VARIES 0.027 TO LEVEL
STA. 148+61.11 TO STA. 149+32.21, VARIES LEVEL TO -0.029

** STA. 145+52.24 TO STA. 146+72.12, VARIES LEVEL TO 0.027
STA. 146+72.12 TO STA. 147+74.97, 0.027
STA. 147+74.97 TO STA. 148+61.11, VARIES 0.027 TO LEVEL
STA. 148+61.11 TO STA. 149+52.99, VARIES LEVEL TO -0.029



NORMAL SECTION - MAIN STREET

STA. 131+00.00 TO STA. 145+52.24 = 1,452.24 L.F.

(5) STA. 131+00.00 TO STA. 145+09.30, 12.0'
STA. 145+09.30 TO STA. 145+52.24, VARIES MIN. 12.0' TO MAX. 13.1'

(6) STA. 131+00.00 TO STA. 144+27.12, 0.0'
STA. 144+27.12 TO STA. 145+52.24, VARIES MIN. 0.0' TO MAX. 6.1'

(7) STA. 131+00.00 TO STA. 131+42.00 VARIES MIN. 0.0' TO MAX 2.0'
STA. 131+42.00 TO STA. 145+52.24, 2.0'

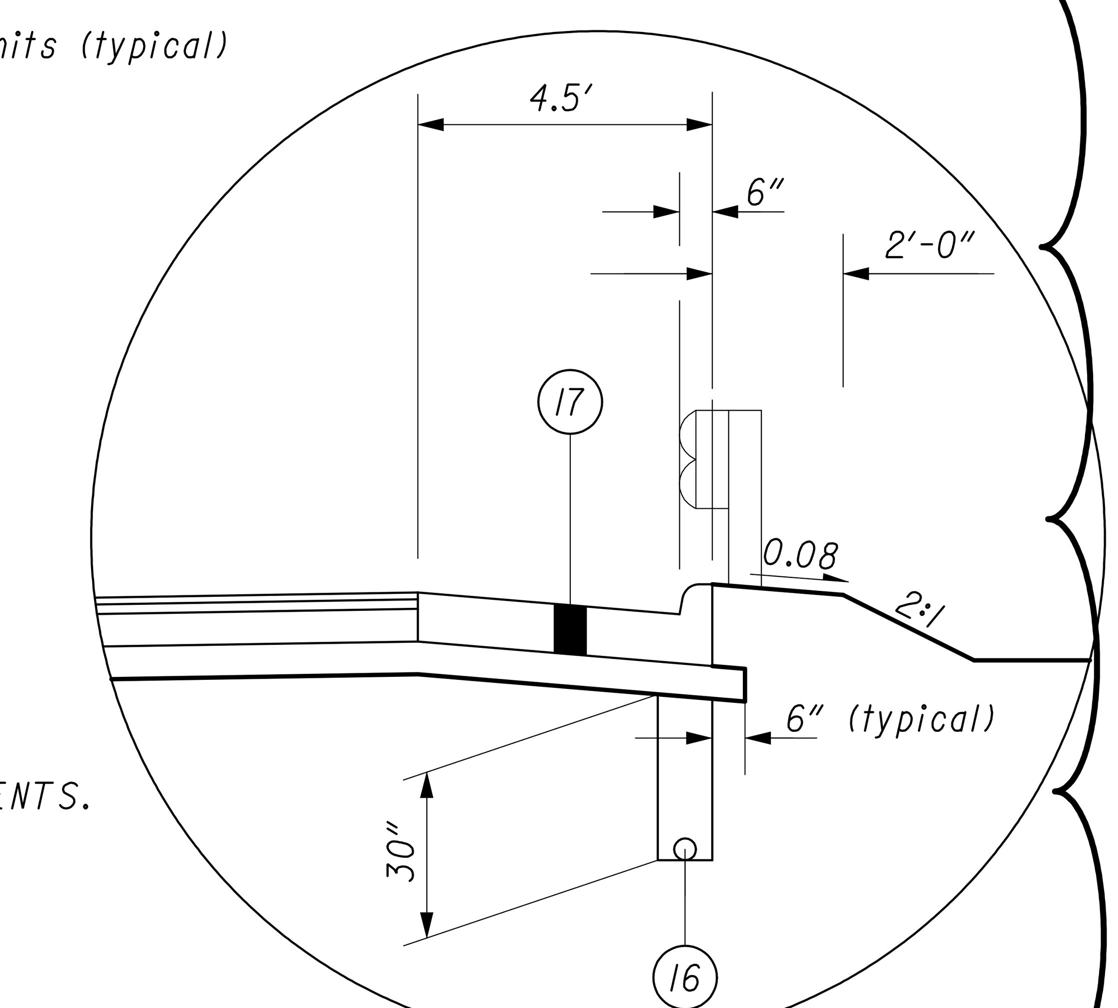
(8) STA. 131+00.00 TO STA. 131+42.00, VARIES MIN. 4.0' TO MAX 7.0'

\# STA. 145+05.38 TO STA. 145+52.24, VARIES 0.016 TO LEVEL

NOTE: UNDERDRAINS AND AGGREGATE BASE SHALL BE MODIFIED ACCORDING TO MAINTENANCE OF TRAFFIC REQUIREMENTS.

DETAIL "A"

UNDERDRAIN LOCATION IN SECTIONS WITH GUARDRAIL



NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

TYPICAL SECTIONS - MAIN STREET (OH)

MEG-33-15.70

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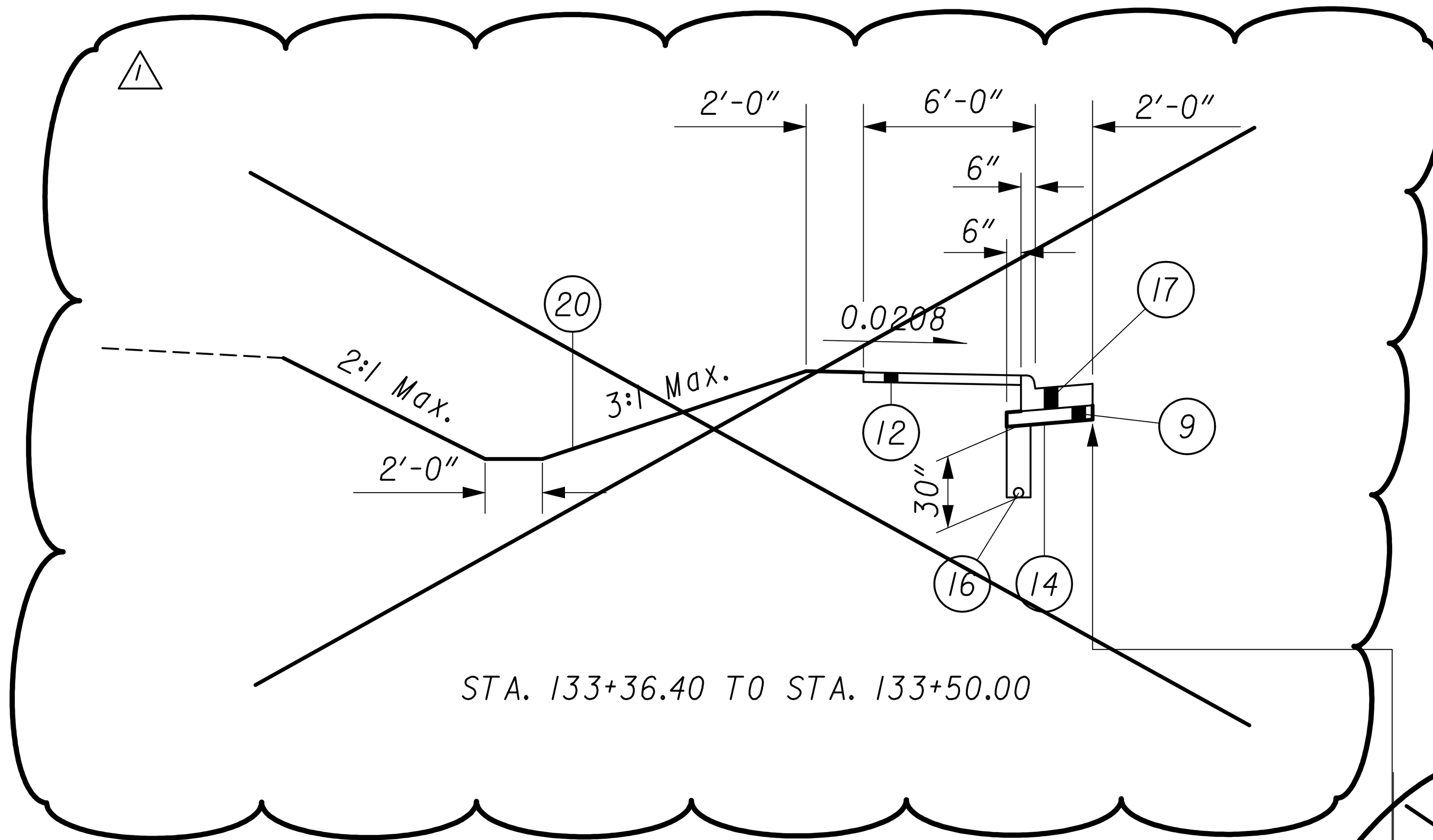
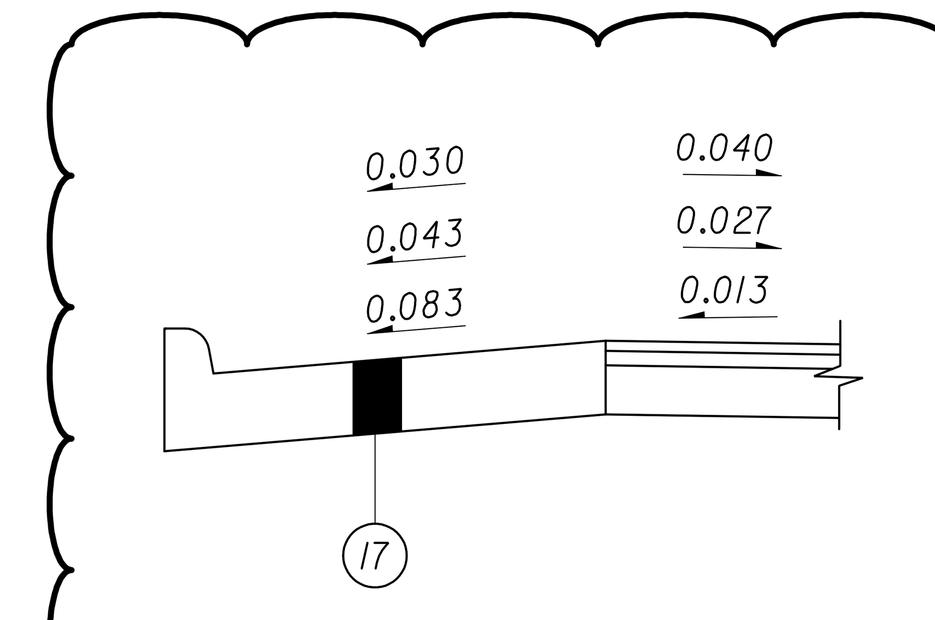
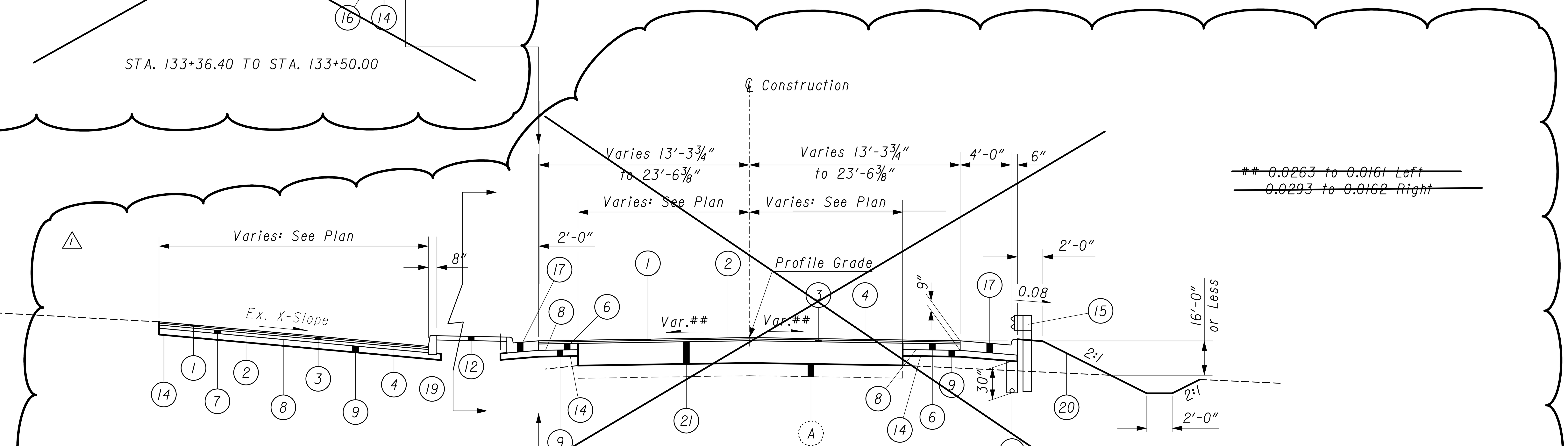


STA. 133+36.40 TO STA. 133+50.00



GUTTER PAN SLOPE DETAIL

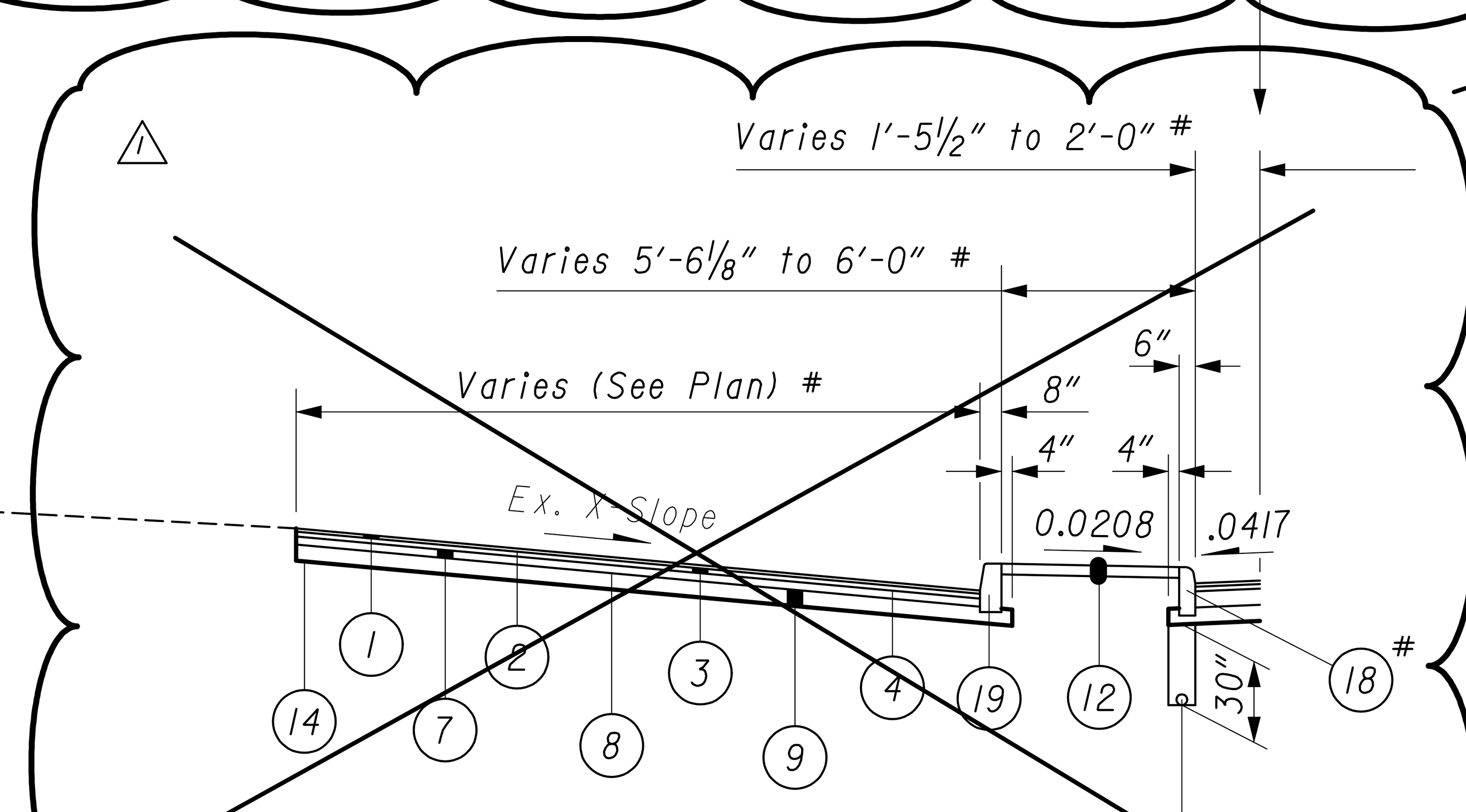


STA. 131+00 TO STA. 132+85.75, 47.01' Lt. = 185.75 L.F.

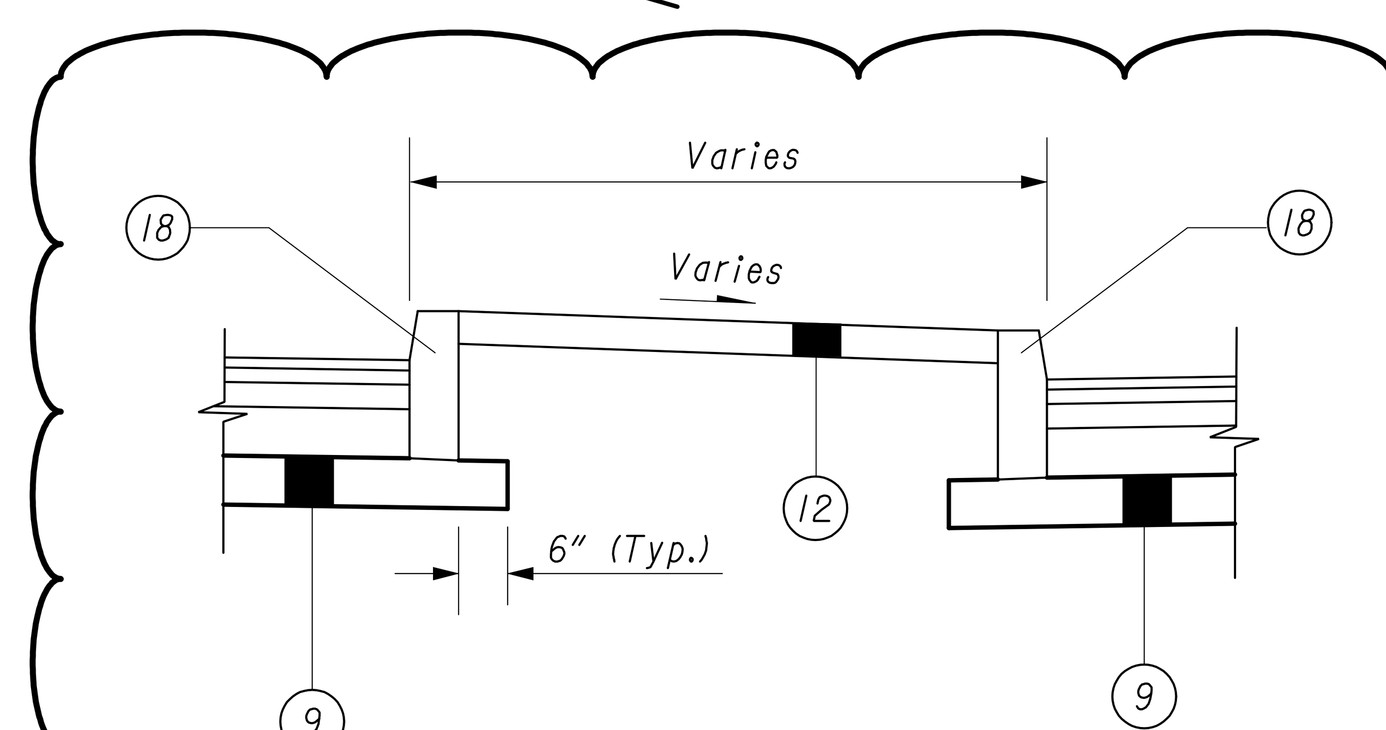
OHIO NORMAL SECTION - MAIN STREET

SECTION APPLIES:

STA. 131+30.00 TO STA. 133+50.00 = 220.00 L.F.



Sta. 131+30.00 to 131+41.12



ISLAND DETAIL

See Intersection Details

For Legend see Sheet No. 3.
For Intersection Details, see Sheet No. 221.

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

TYPICAL SECTIONS - MAIN STREET (OH)

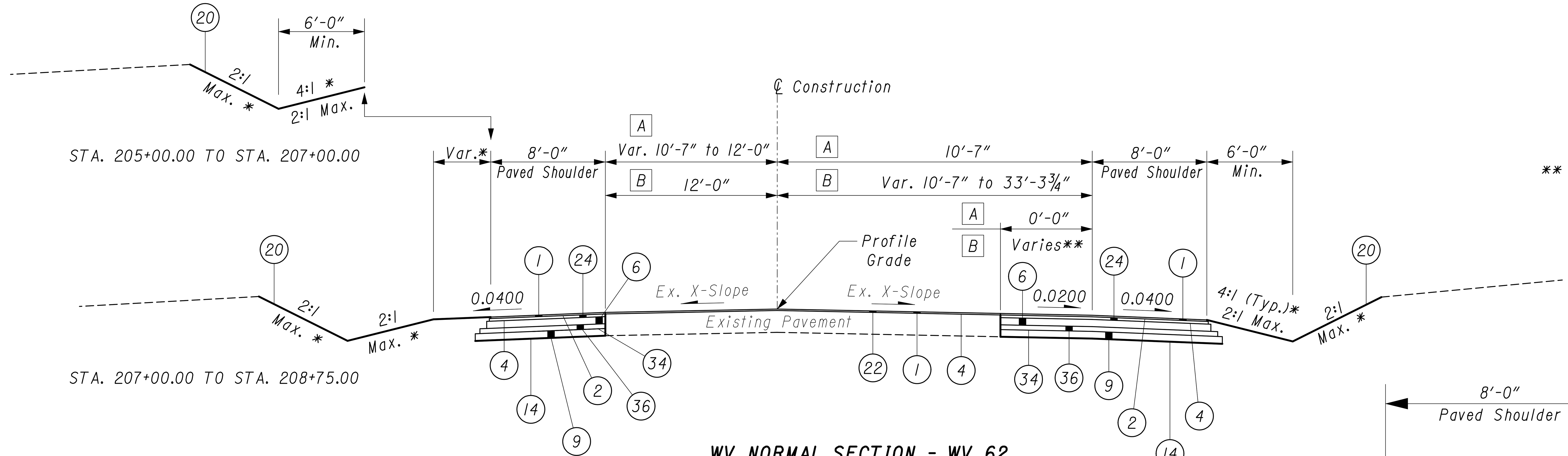
MEG-33-15.70

NOT USED

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

TYPICAL SECTIONS - MAIN STREET (OH)

MEG-33-15.70

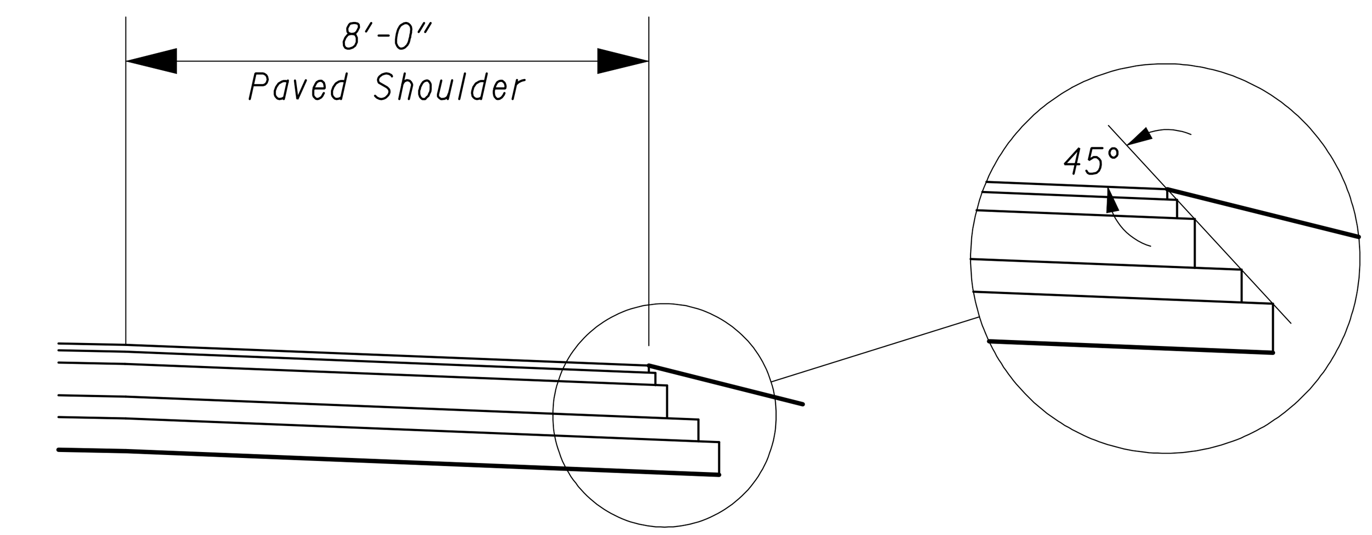


WV NORMAL SECTION - WV 62

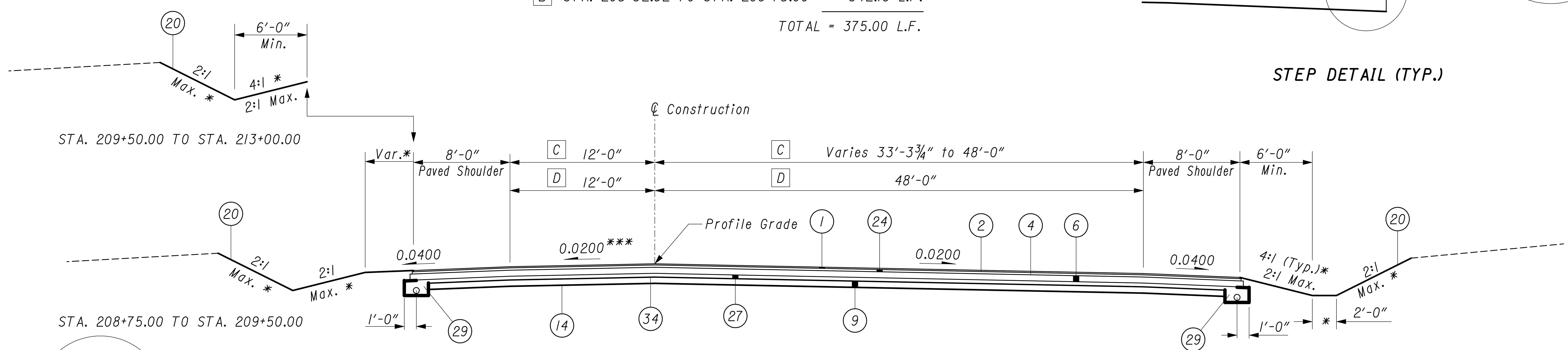
SECTION APPLIES:

A	STA. 205+00.00 TO STA. 205+32.82	= 32.82 L.F.
B	STA. 205+32.82 TO STA. 208+75.00	= 342.18 L.F.
		TOTAL = 375.00 L.F.

** Full depth between existing edge of pavement and proposed paved shoulder varies non-uniformly between 0'-0" and 12'-10." See Cross Sections.



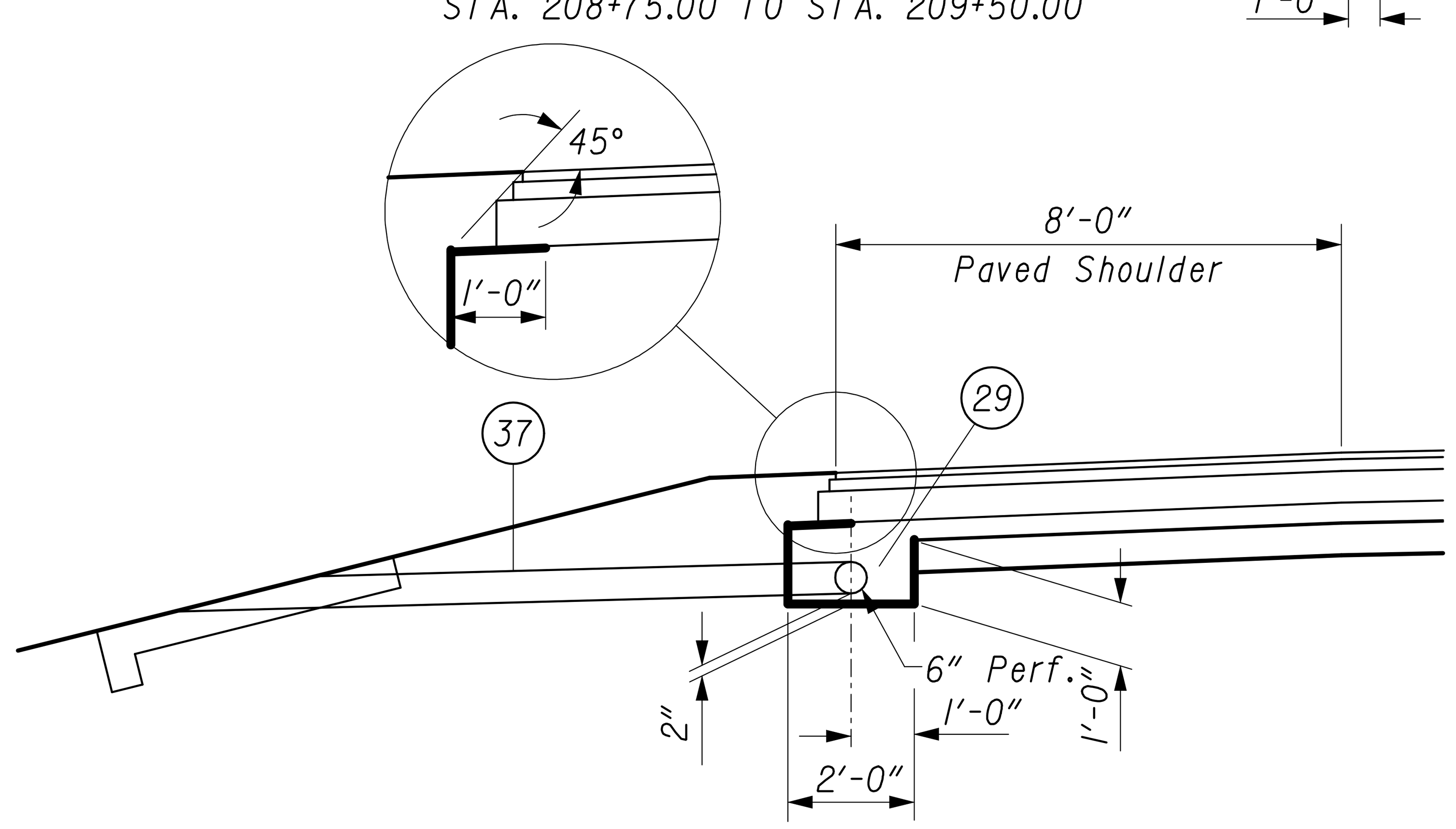
STEP DETAIL (TYP.)



WV NORMAL SECTION - WV 62

SECTION APPLIES:

C	STA. 208+75.00 TO STA. 210+94.04	= 219.04 L.F.
D	STA. 210+94.04 TO STA. 213+00.00	= 205.96 L.F.
		TOTAL = 425.00 L.F.



FREE DRAINING BASE TRENCH & STEP DETAIL (TYP.)

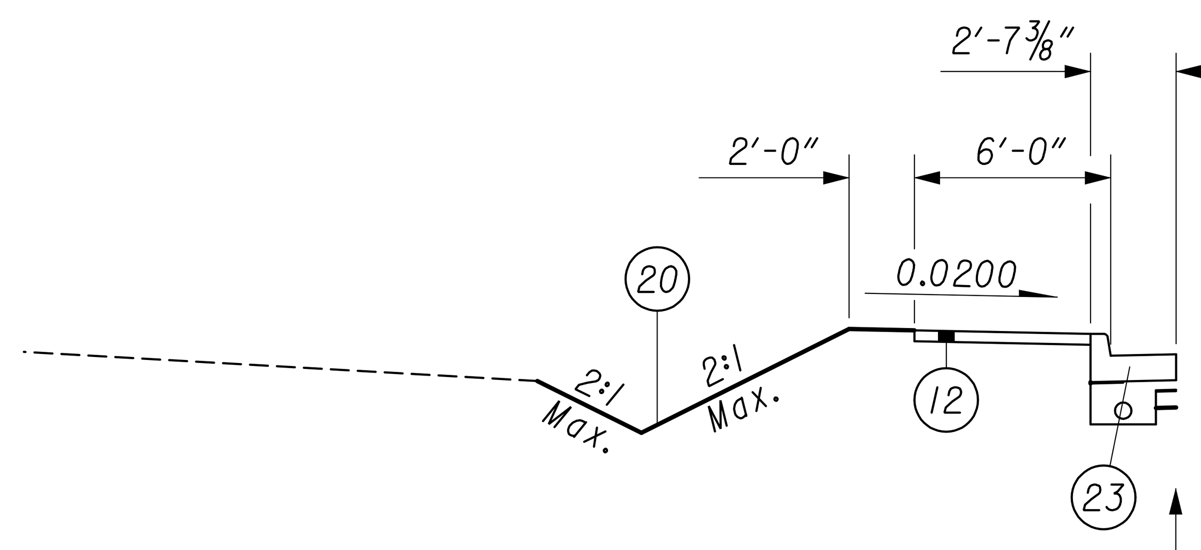
*** Varies, 0.0200 (Max.) to 0.0100 (Min.) between Stations 211+97.18 and 213+95.36

For Legend see Sheet No. 3.
For Intersection Detail, see Sheet No. 219.

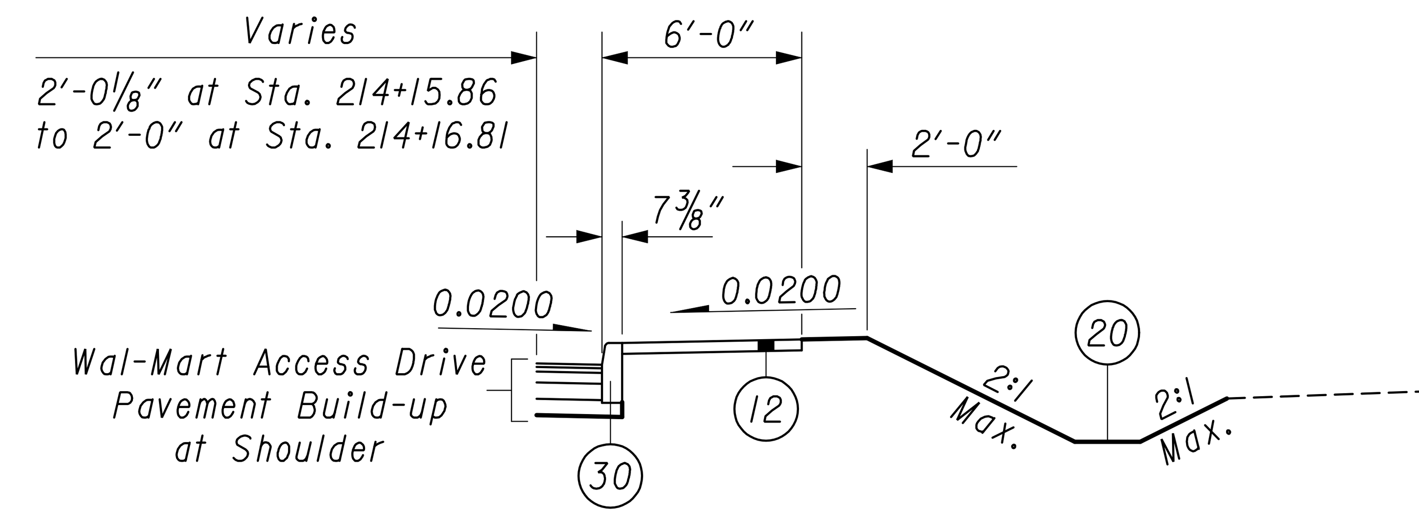
* See Cross Sections for Slope Treatment / Ditch Treatment

TYPICAL SECTIONS - WV 62 (WV)

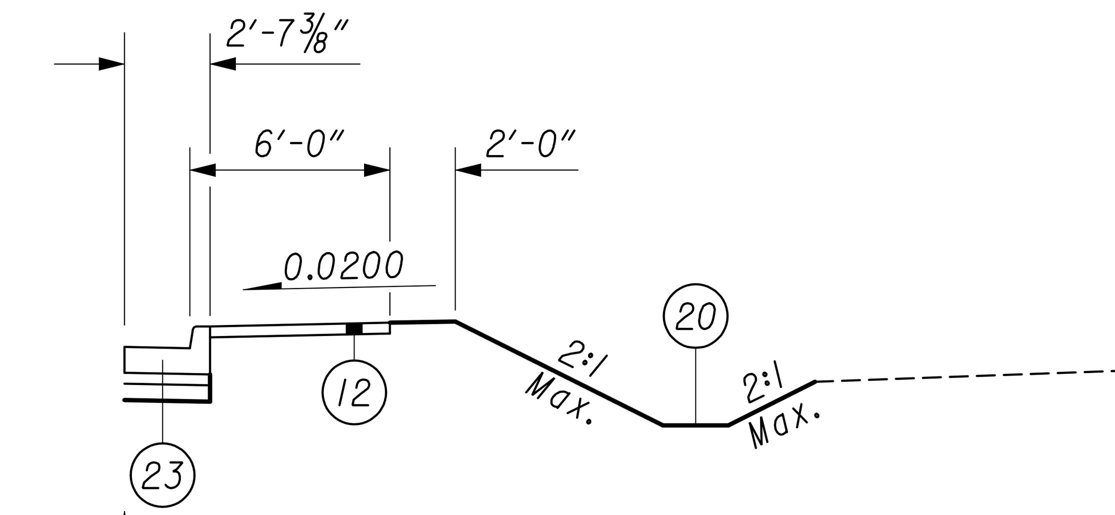
MEG-33-15.70



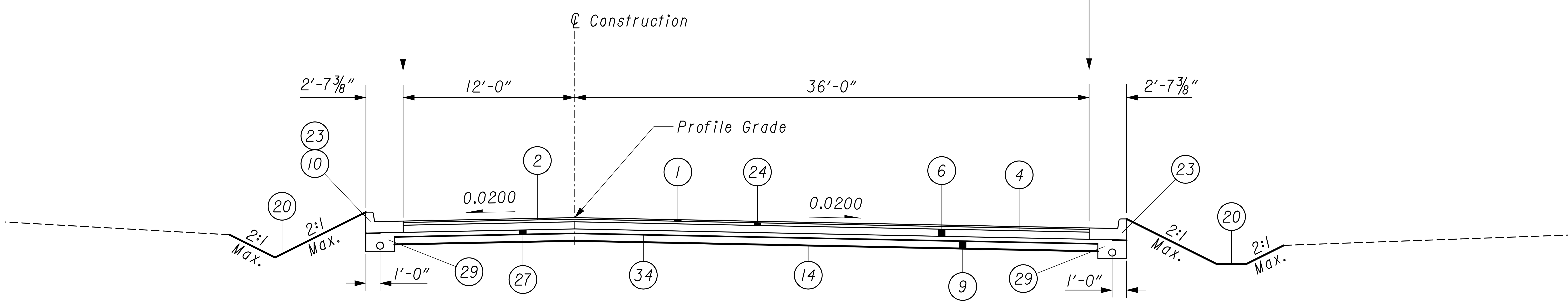
STA. 214+15.86 TO STA. 214+17.86



STA. 214+15.86 TO STA. 214+16.81



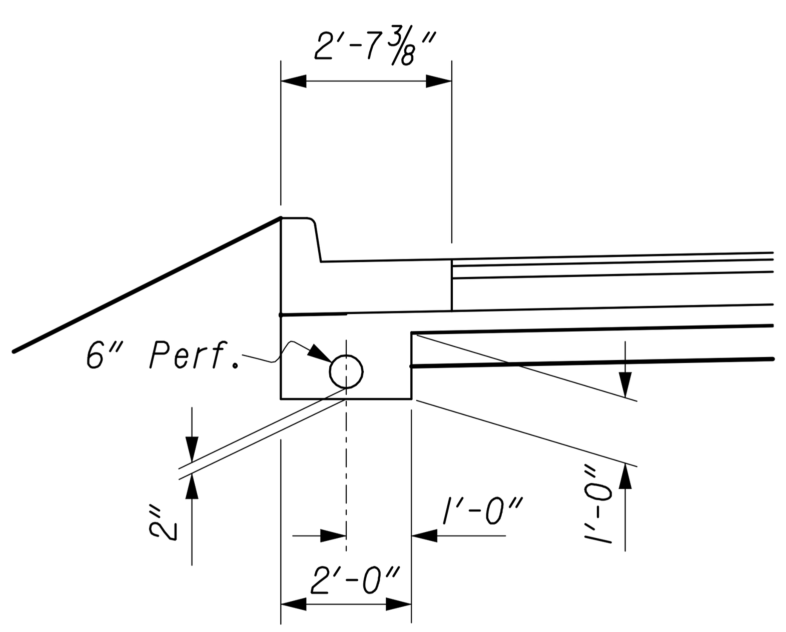
STA. 214+16.81 TO STA. 214+17.86



WV NORMAL SECTION - WV 62

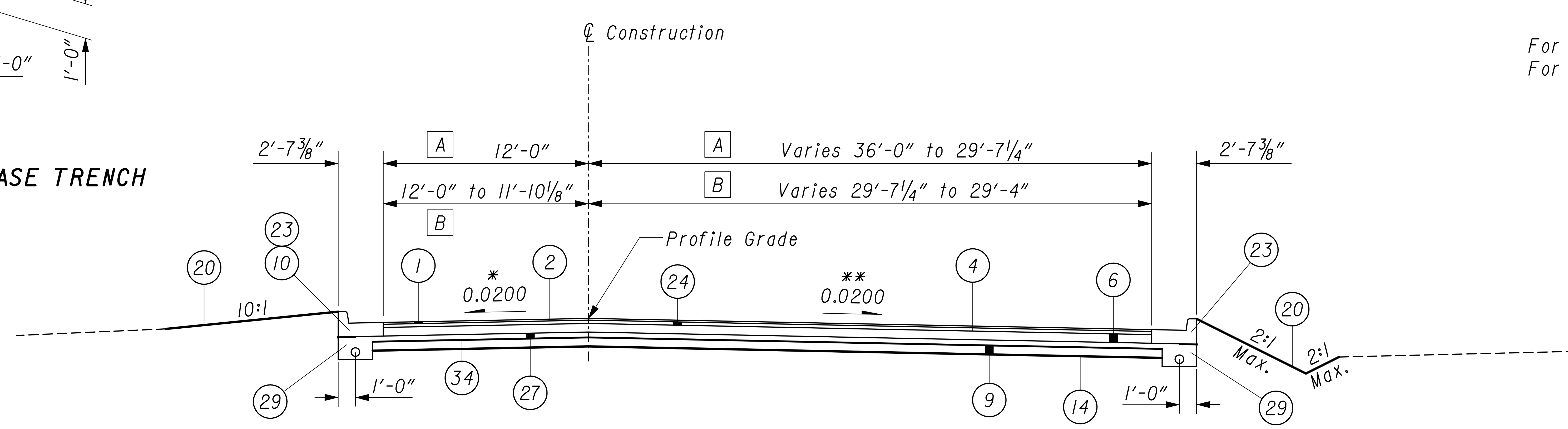
SECTION APPLIES:

STA. 213+00.00 TO STA. 216+00.00 = 300.00 L.F.



FREE DRAINING BASE TRENCH

For Legend see Sheet No. 3
For Intersection Detail, see Sheet No. 219.



WV NORMAL SECTION - WV 62

SECTION APPLIES:

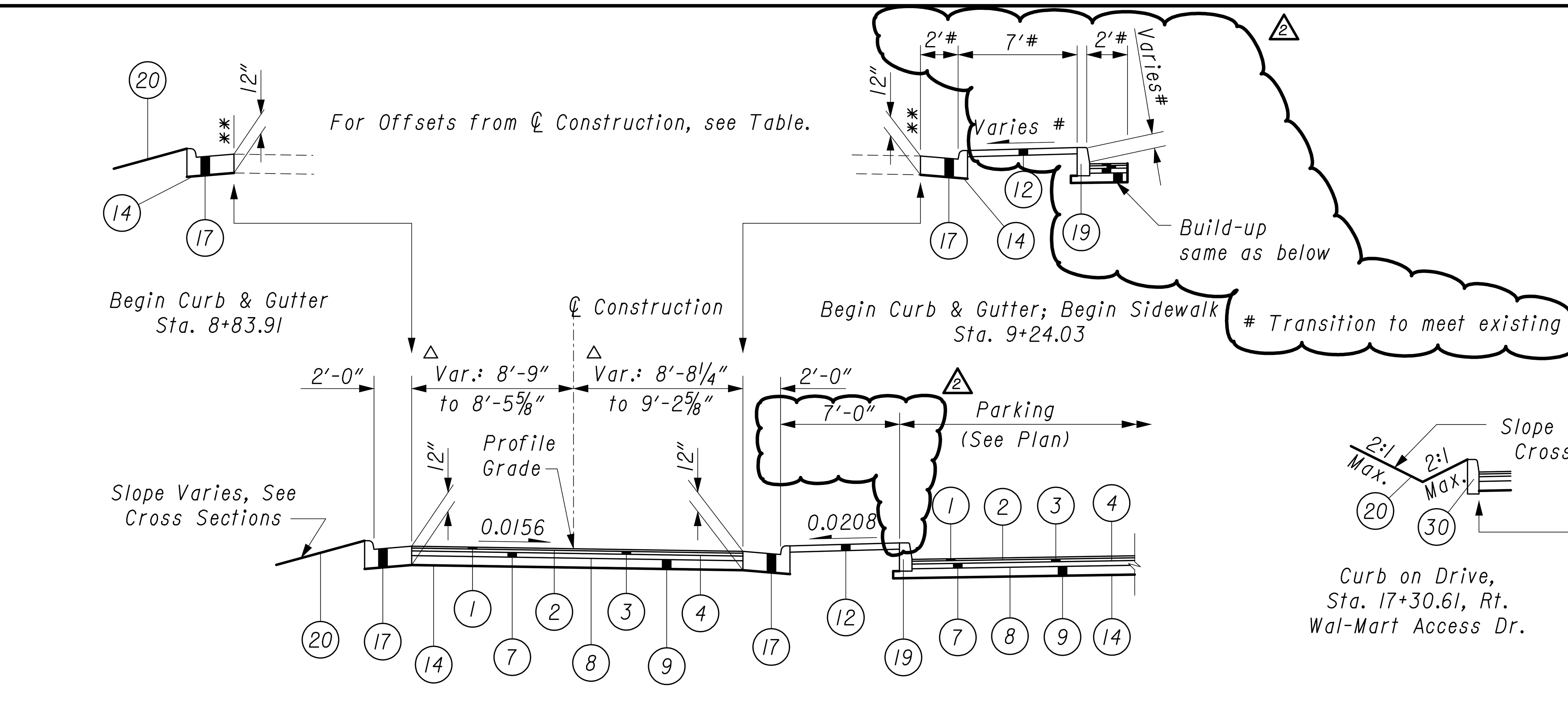
A	STA. 216+00.00 TO STA. 216+96.00	= 96.00 L.F.
B	STA. 216+96.00 TO STA. 217+00.00	= 4.00 L.F.
	TOTAL	= 100.00 L.F.

* Varies from 0.0200 at Sta. 216+67.72 to Existing Cross Slope at Sta. 217+00.00.

** Varies from 0.0200 at Sta. 216+90.25 to Existing Cross Slope at Sta. 217+00.00.

TYPICAL SECTIONS - WV 62 (WV)

MEG-33-15.70

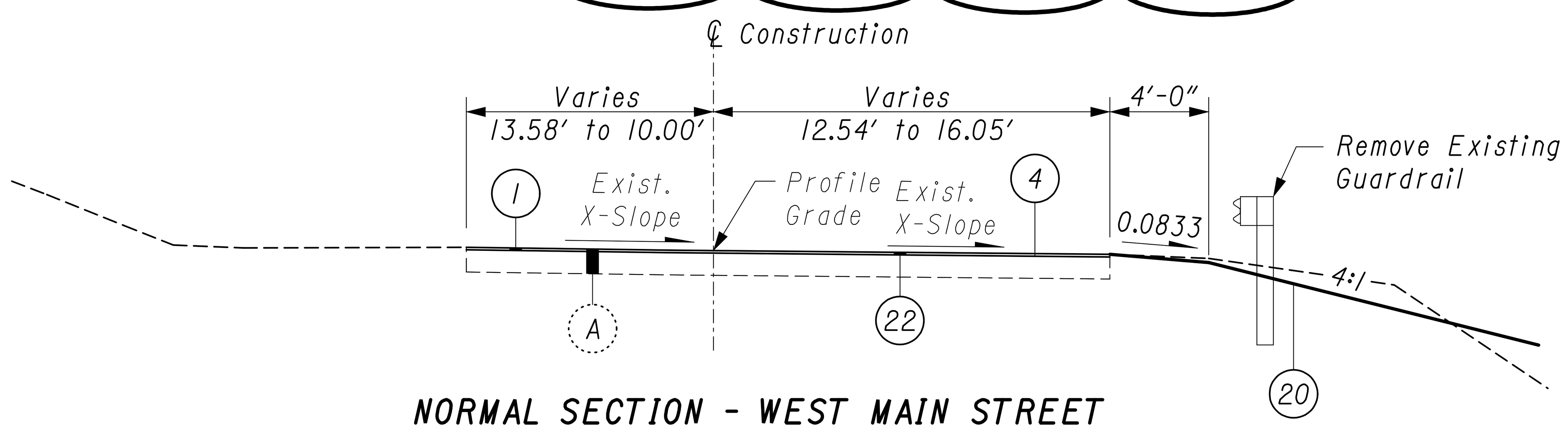


CURB AND GUTTER, LT.		CURB AND GUTTER, RT.	
STATION	** OFFSET	STATION	** OFFSET
8+83.91	8.30' LT.	9+24.03	8.14' RT.
8+94.01	8.03' LT.	9+40.00	8.69' RT.
9+40.00	8.75' LT.		

NORMAL SECTION - LIBERTY LANE

SECTION APPLIES:

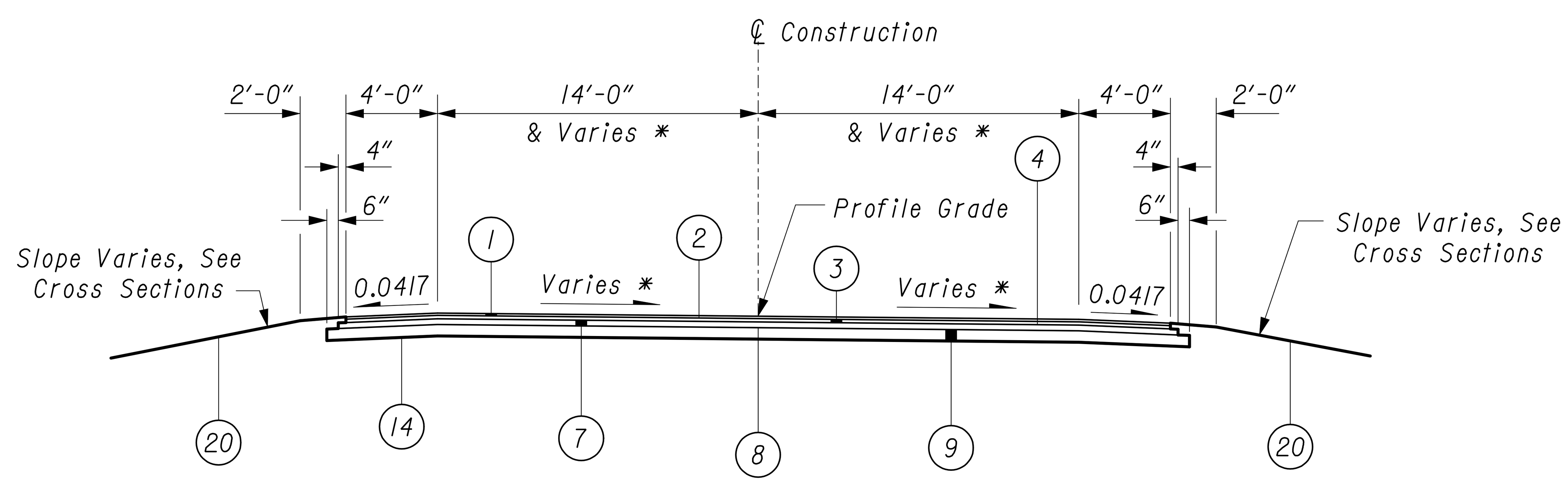
STA. 9+40.00 TO STA. 9+79.75 = 39.75 L.F.



NORMAL SECTION - WEST MAIN STREET

SECTION APPLIES:

STA. 11+45.00 TO STA. 13+43.93 = 198.93 L.F.

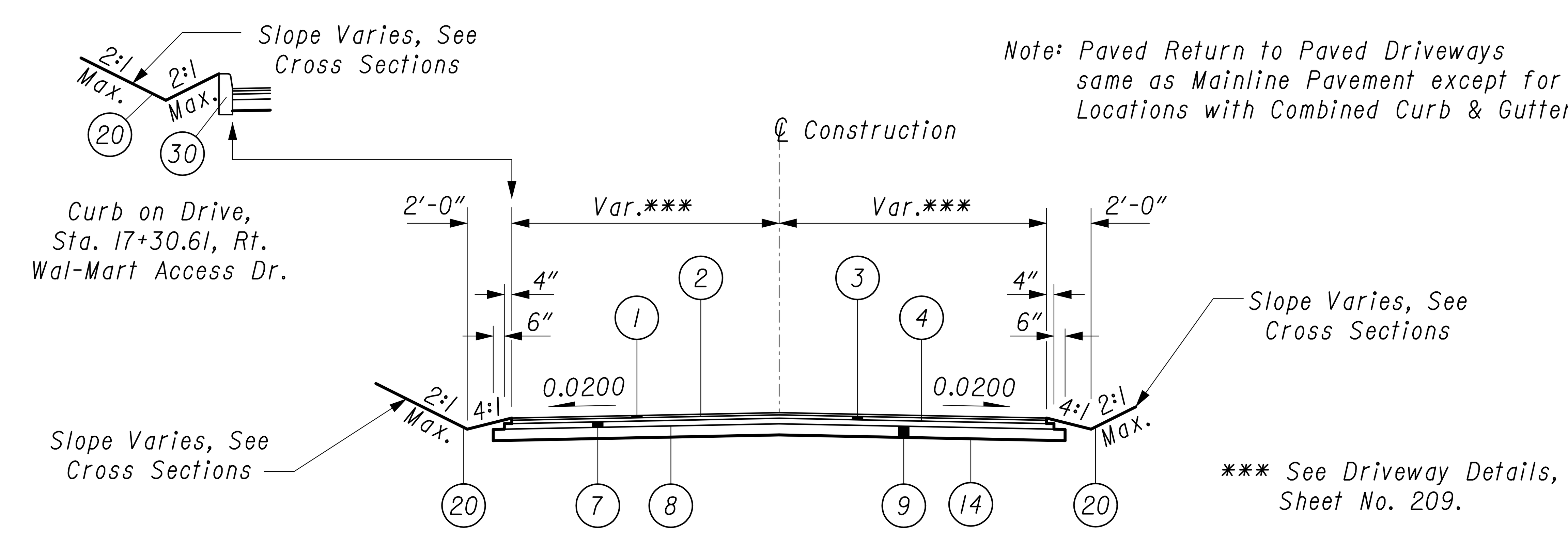


SUPERELEVATED SECTION - WEST MAIN STREET

SECTION APPLIES:

STA. 10+22.81 TO STA. 11+45.00 = 122.19 L.F.

* See Intersection Detail

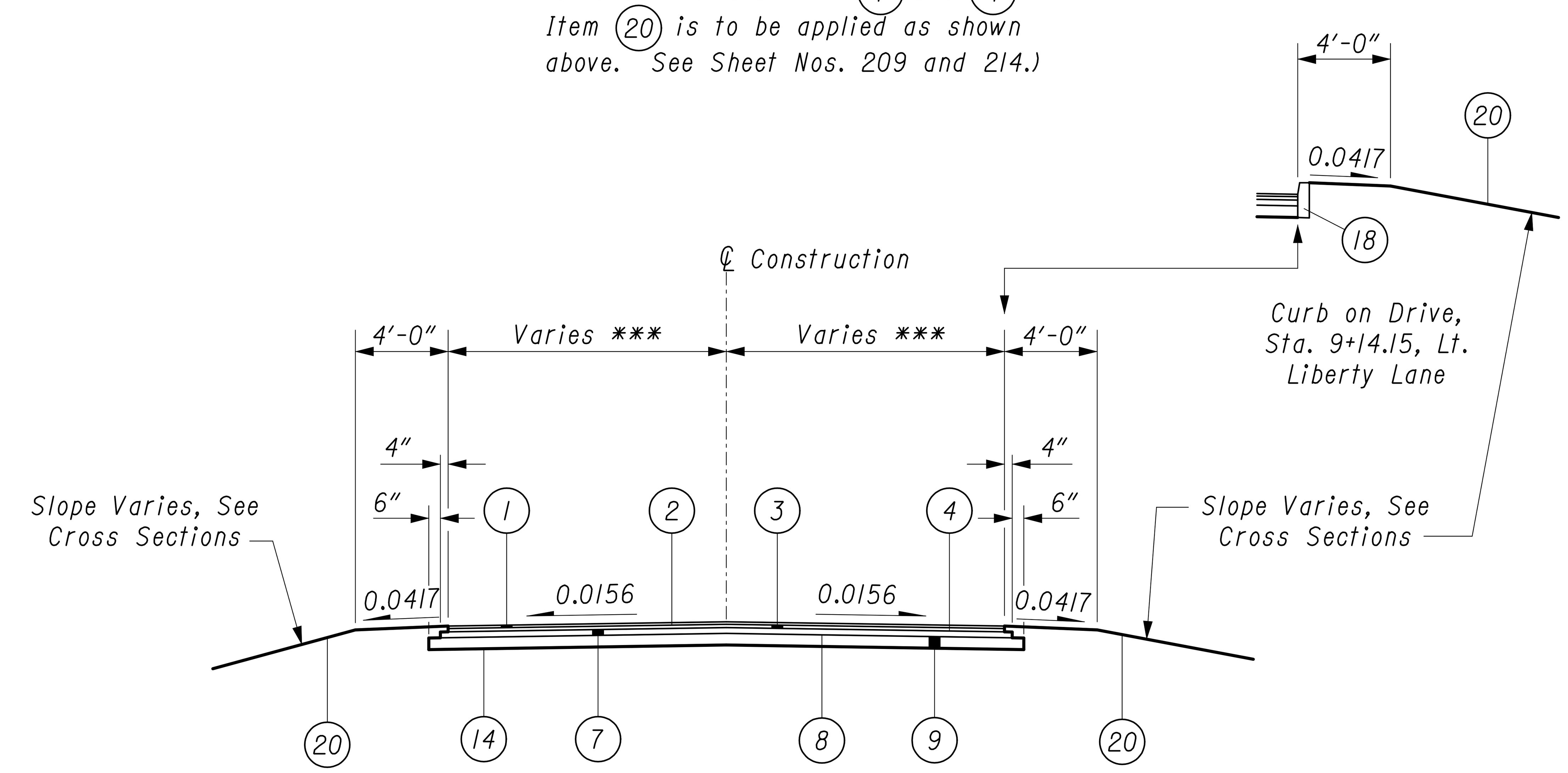


Note: Paved Return to Paved Driveways same as Mainline Pavement except for Locations with Combined Curb & Gutter.

*** See Driveway Details, Sheet No. 209.

DRIVEWAYS IN WEST VIRGINIA

(Exist. Driveway at 205+54.46 WV 62 is to be overlaid with 1 and 4. Item 20 is to be applied as shown above. See Sheet Nos. 209 and 214.)



*** See Driveway Details, Sheet Nos. 207-208, 210.

DRIVEWAYS IN OHIO

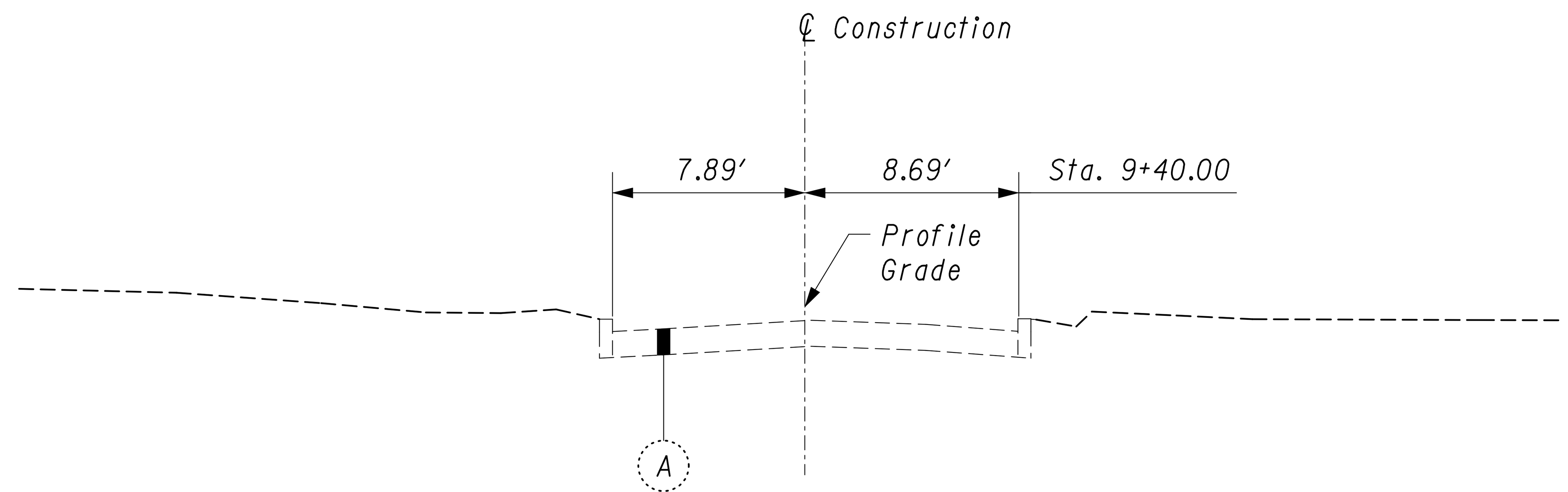
Note:
Commercial Driveway Aprons in Ohio shall be Item 452 8" Plain Concrete Pavement if shown as such on the Driveway Details. Otherwise this Typical Section applies to the entire Driveway including the Apron.

For Legend see Sheet No. 3
For Intersection Detail, see Sheet No. 221.
For Flood Run St., see Sheet No. 221.
For West Main St. Turnaround, see Sheet Nos. 145 & 211.

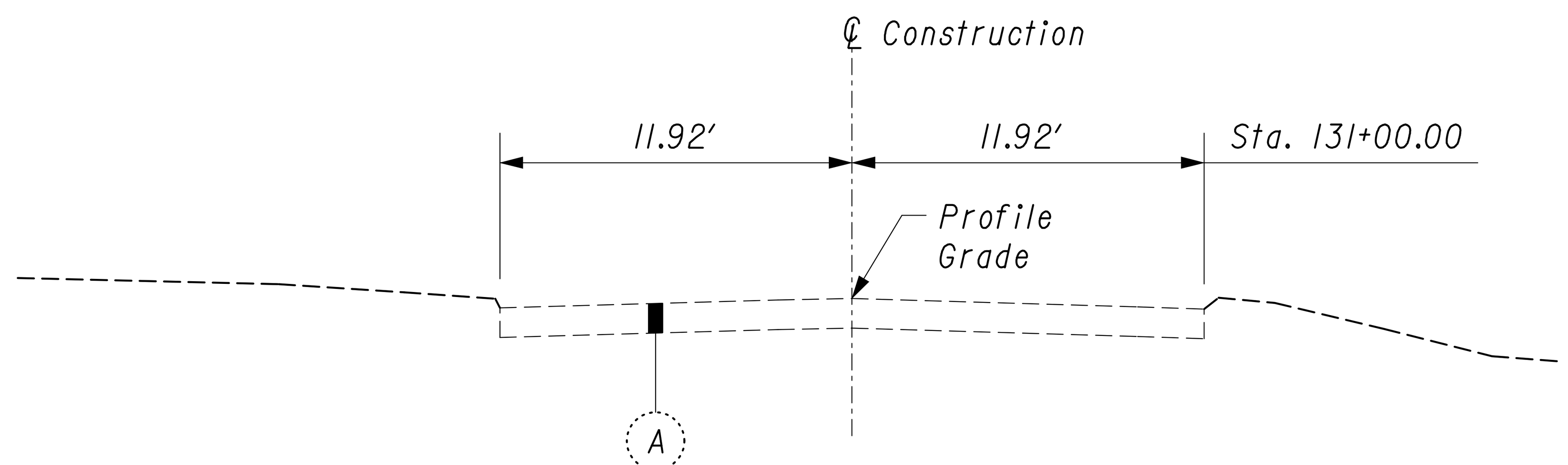
NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC
2	LIBERTY LANE SIDEWALK	5/05	SCC

TYPICAL SECTIONS - SIDEROADS AND DRIVES (WV & OH)

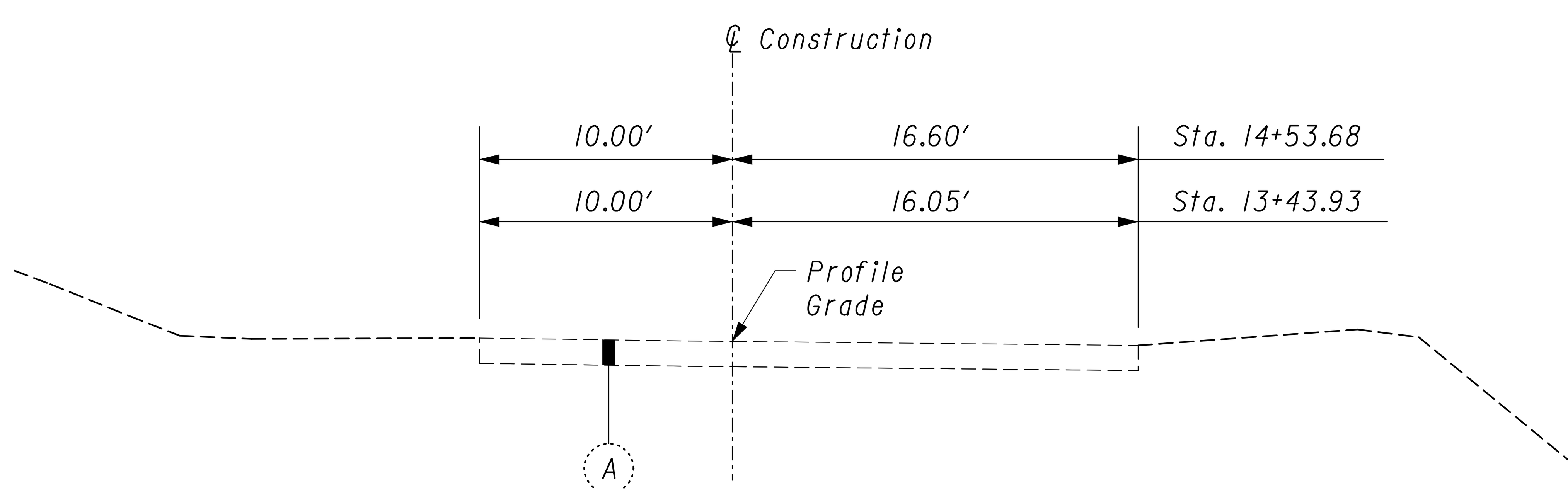
MEG-33-15.70



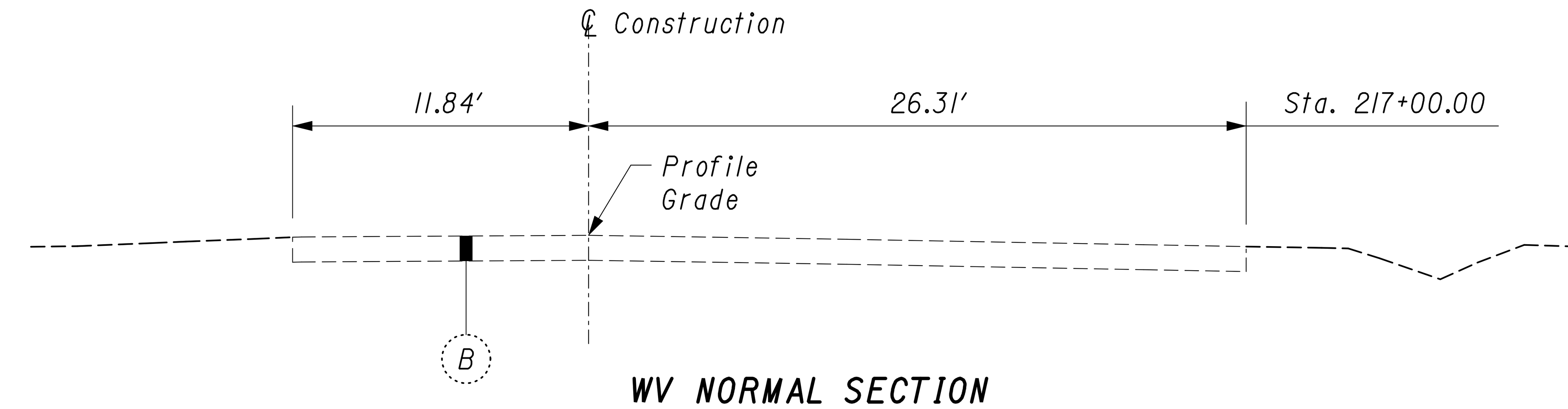
NORMAL SECTION
EXISTING LIBERTY LANE



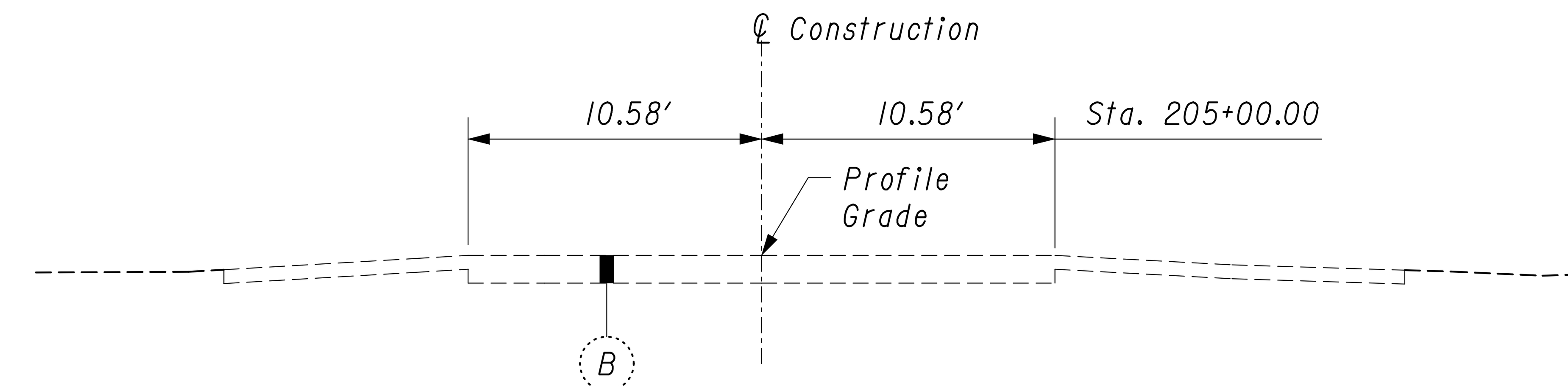
NORMAL SECTION
EXISTING WEST MAIN STREET



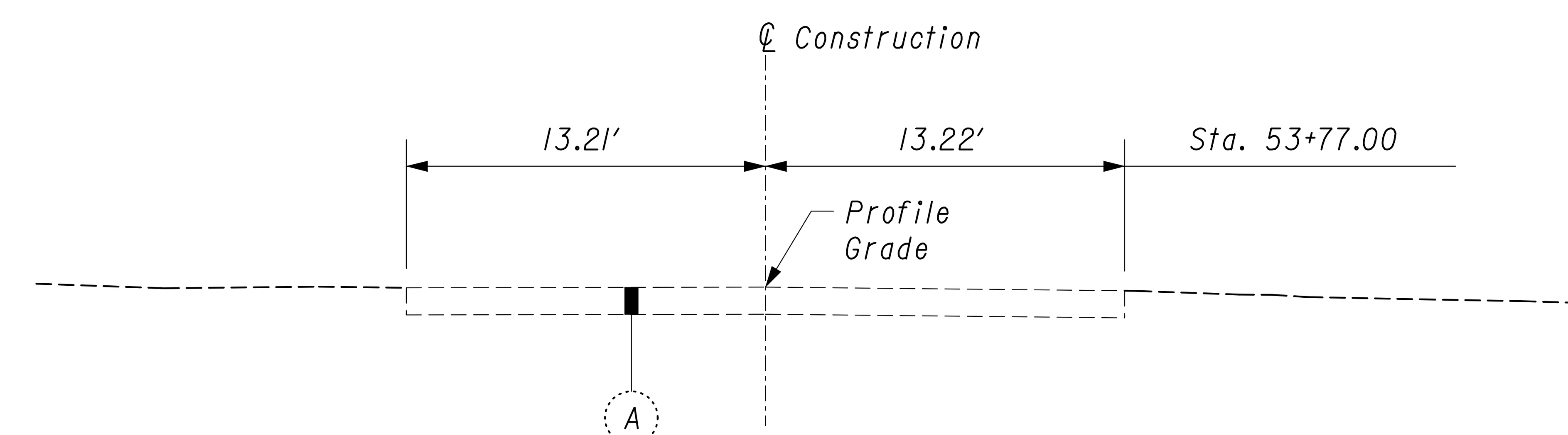
NORMAL SECTION
EXISTING WEST MAIN STREET
(TURNAROUND)



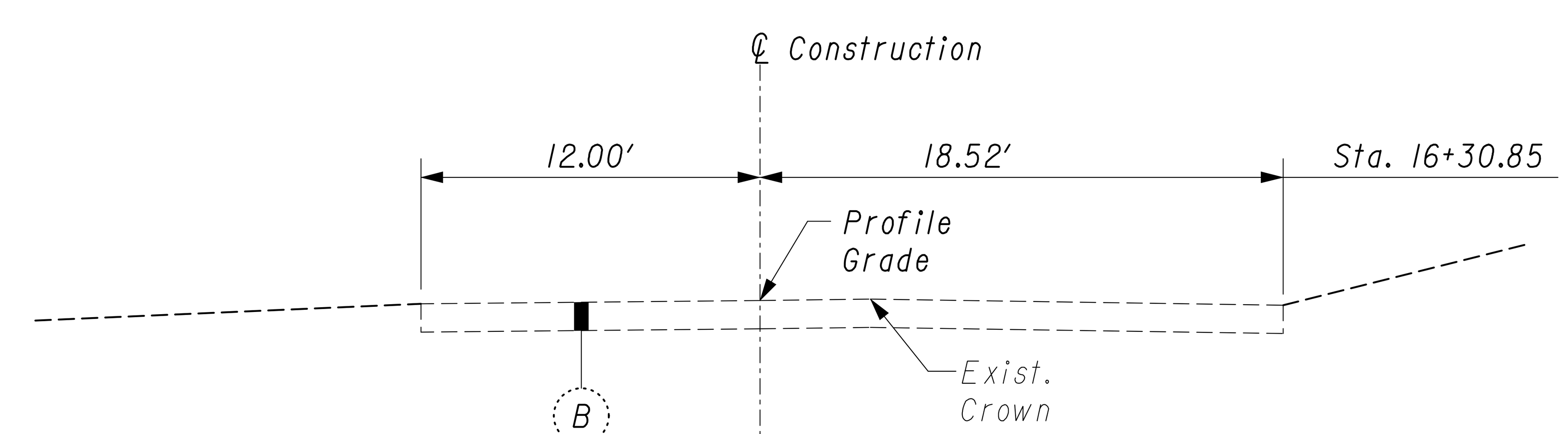
WV NORMAL SECTION
EXISTING WV 62



WV NORMAL SECTION
EXISTING WV 62



NORMAL SECTION
EXISTING WEST MAIN ST.



WV NORMAL SECTON
EXISTING WAL-MART DRIVE

For Legend see Sheet No. 3.

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

TYPICAL SECTIONS - EX. W. MAIN ST., EX. WV 62 & EX. LIBERTY LANE

MEG-33-15.70

ROUNDING

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLY TO ALL CROSS-SECTIONS EVEN THOUGH OTHER-WISE SHOWN.

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

ELECTRIC (OHIO):
AMERICAN ELECTRIC POWER
9135 S.R. 682
ATHENS, OH. 45701-9102
JEFF WICKER
PHONE: (740) 594-1946

ELECTRIC (WV):
AMERICAN ELECTRIC POWER
1701 CENTRAL AVENUE
ASHLAND, KY. 41101
WAYNE PALUMBO
PHONE: (606) 327-1139

GAS:
GASCO DISTRIBUTION SYSTEM,INC.
4445 EAST PIKE
ZANESVILLE, OHIO 43701
KEN MAGYAR
PHONE: (740) 454-6198 (Ext. 22)

SOUTHERN PUBLIC SERVICE COMPANY
1075 MAIN STREET
P.O. BOX 10
MILTON, WV 25541
TIMOTHY K. WILCOX
(304) 743-1700

GAS (OHIO):
COLUMBIA GAS OF OHIO, INC.
843 PIATT AVENUE
CHILLICOTHE, OH. 45601
TIFFANY WOODYARD
PHONE: (740) 772-9131

WATER (OHIO):
VILLAGE OF POMEROY
224 UNION STREET
POMEROY, OH. 45769
JOHN ANDERSON
PHONE: (740) 992-2166

WATER / SANITARY (WV):
CITY OF MASON
MASON MUNICIPAL BUILDING
118 SOUTH SECOND STREET
MASON, WV. 25260
HELEN JOHMSON (MAYOR)
PHONE: (304) 773-5200

TELE (OHIO):
VERIZON (GTE TELEPHONE OPERATIONS)
754 WEST UNION STREET
ATHENS, OH. 45701
STEVE KISLING
PHONE: (740) 592-0545

TELE (WV):
BELL ATLANTIC
400 JACOBSON DRIVE
[illegible]CA, WV. 25260
LINDA MURPHEY; PHONE: (304) 759-0159

CABLE (OHIO):
CHARTER COMMUNICATIONS
1737 EAST SEVENTH ST.
PARKERSBURG, WV. 26101
STEVE BACKUS; PHONE: (304) 482-5384

1410 JEFFERSON BLVD., P.O. BOX 106
PT. PLEASANT, WV. 25550
DWAIN HENDRICK; PHONE: (304) 675-5362

THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

UTILITY COORDINATION

DUE TO THE AMOUNT OF WORK INVOLVED, IT IS ANTICIPATED THAT SOME OF THE UTILITY WORK WILL TAKE PLACE CONCURRENTLY WITH THE ROADWAY IMPROVEMENTS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH UTILITY COMPANIES. THIS INCLUDES COORDINATION OF WORK SCHEDULES, UTILITY ADJUSTMENTS AND RELOCATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY POWER SOURCES REQUIRED FOR THE PROJECT, INCLUDING, BUT NOT LIMITED TO, POWER SUPPLY TO THE EXISTING SANITARY LIFT STATION. THE COST FOR THE ABOVE DESCRIBED WORK SHALL BE INCIDENTAL TO THE OVERALL BID PRICE.

CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED FOR SUCH ITEMS SHALL BE INCORPORATED INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

CONSTRUCTION NOISE

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, ANY POWER-OPERATED CONSTRUCTION-TYPE DEVICE SHALL NOT BE OPERATED BETWEEN THE HOURS OF 11:00 PM AND 5:00 AM. IN ADDITION, ANY SUCH DEVICE SHALL NOT BE OPERATED AT ANY TIME IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

SOURCE OF BENCH

NGS DESIGNATION Q84 PID-JY0397, NAVD 88 ELEVATION = 570.91 FEET.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. THE INSTALLATION AND OPERATION OF ALL TEMPORARY TRAFFIC CONTROL AND TEMPORARY TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS SHALL BE PRO-VIDED BY THE CONTRACTOR WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

STREAM CHANNEL EXCAVATION

THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT ANY INCIDENTAL DISCHARGES ASSOCIATED WITH THE EXCAVATION AND HAULING OF MATERIAL FROM THE STREAM CHANNEL. THIS PERTAINS TO ANY EXCAVATION OPERATIONS SUCH AS, FOUNDATION PIER OR ABUTMENT EXCAVATION, CHANNEL CLEANOUT, EXCAVATION FOR ROCK CHANNEL PROTECTION AND REMOVAL OF ANY TEMPORARY FILL ASSOCIATED WITH CONSTRUC-TION OPERATIONS.

PROTECTION OF RIGHT-OF-WAY LANDSCAPING

THE CONTRACTOR SHALL CONSTRICT ALL OF HIS/HER ACTIVITIES, EQUIPMENT STORAGE, AND STAGING TO WITHIN THE CONSTRUCTION LIMITS. UNLESS OTHERWISE IDENTIFIED IN THE PLANS OR PROPOSAL, THE CONSTRUCTION LIMITS ARE IDENTIFIED IN THE PLANS. SHOULD THE CONTRACTOR WISH TO USE ANY AREA OUTSIDE THESE LIMITS, A REQUEST IN WRITING MUST BE SUBMITTED TO THE PROJECT ENGINEER. THE DOCUMENT SUBMITTED MUST CLEARLY IDENTIFY THE AREA THAT THE CONTRACTOR PLANS TO USE AND EXPLAIN THE PROPOSED USE AND RESTORATION OF THE AREA. THE ENGINEER SHALL APPROVE THE REQUEST IN WRITING BEFORE THE CONTRACTOR HAS PERMISSION TO USE THE AREA. PRIOR TO BEGINNING WORK, THE CONTRACTOR, SUPERINTENDENT OR HIS REPRESENTATIVE, THE PROJECT ENGINEER, AND A REPRESENTATIVE OF THE MAINTAINING AGENCY SHALL REVIEW AND RECORD ALL LANDSCAPING ITEMS WITHIN THE RIGHT-OF-WAY (BOTH WITHIN AND OUTSIDE THE CONSTRUCTION LIMITS). A RECORD OF THIS REVIEW WILL BE KEPT IN THE PROJECT ENGINEER'S FILES. PRIOR TO FINAL ACCEPTANCE, A FINAL REVIEW OF LANDSCAPING ITEMS WILL BE MADE. ANY ITEMS DAMAGED BEYOND THE CONSTRUCTION LIMITS AS DEFINED ABOVE WILL BE REPLACED IN KIND OR AS DIRECTED BY THE PROJECT ENGINEER.

CONVERSION OF STANDARD CONSTRUCTION DRAWINGS

THE METRIC STANDARD DRAWINGS REFERENCED IN THIS PLAN SHALL BE CONVERTED TO ENGLISH UNITS USING THE SI (METRIC) TO ENGLISH CONVERSION FACTORS PROVIDED IN SECTION 109.011 OF THE 1997 CONSTRUCTION AND MATERIALS SPECIFICATIONS. THE APPENDIX OF ASTM E 380 SHALL BE UTILIZED FOR ANY ADDITIONAL CONVERSION FACTORS REQUIRED. CONVERSIONS SHALL BE APPROPRIATELY PRECISE AND SHALL REFLECT STAN-DARD INDUSTRY ENGLISH VALUES WHERE SUITABLE.

CLEARING AND GRUBBING

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUM-MARY FOR ITEM 201, CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

MONUMENTS (VILLAGE OF POMEROY)

MONUMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH DETAILS AS SHOWN ON THE STANDARD CONSTRUCTION DRAWINGS AND AT THE THE LOCATIONS SHOWN ON SHEET NO. 542. THE FOLLOWING ESTIMATED QUANTITIES ARE CARRIED TO THE GENERAL SUMMARY.

ITEM 604, REFERENCE MONUMENT, 28 EACH. 2

ITEM 203 - PROOF ROLLING

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER:

TOWN OF MASON:
9926 x (1 HOUR / 3000 SQ YD) = 3.31. USE 3 HOURS
WEST VIRGINIA-UNINCORPORATED:
46 x (1 HOUR / 3000 SQ YD) = 0.02. USE 1 HOUR
VILLAGE OF POMEROY:
1 17326 x (1 HOUR / 3000 SQ YD) = 5.78. USE 6 HOURS
TOTAL = 10 HOURS

ITEM 203 - EMBANKMENT USING GRANULAR MATERIAL, AS PER PLAN

1 AS SHOWN ON THE SR 833 CROSS SECTIONS, BETWEEN THE STATIONS OF 40+50 TO 45+50, AND 47+50 TO 53+00, THIRTY INCHES (30") AND EIGHTEEN INCHES (18") RESPECTIVELY OF EXCAVATED MATERIAL SHALL BE REPLACED WITH GRANULAR MATERIAL MEETING THE FOLLOWING GRADATION:

SIEVE SIZE	% PASSING
8"	100
3"	<70
3/4 "	<40
NO. 200	0-20

AN ESTIMATED QUANTITY FOR ITEM 203, EMBANKMENT USING GRANULAR MATERIALS, AS PER PLAN HAS BEEN CARRIED TO THE GENERAL SUMMARY.

A LAYER OF GEOTEXTILE FABRIC, CONFORMING TO 712.09 TYPE D, SHALL BE PLACED BELOW THE GRANULAR EMBANKMENT. THE FOLLOWING ESTIMATED QUANTITIES ARE CARRIED TO THE GENERAL SUMMARY.

SPECIAL, GEOTEXTILE FABRIC, 6407 SQ. YD. 1

ITEM 203, EMBANKMENT

ON MAIN STREET BETWEEN STA 136+00 AND STA 146+00, EMBANKMENT CONSTRUCTION SHALL BE LIMITED TO 2 FEET PER WEEK. THE EMBANKMENT BETWEEN THESE TWO STATIONS SHALL BE CONSTRUCTED IN TWO EQUAL HEIGHT STAGES, WITH A 15 DAY WAITING PERIOD BETWEEN STAGES. AFTER THE SECOND STAGE HAS BEEN CONSTRUCTED UP TO THE LEVEL OF SUBGRADE, ANOTHER 15 DAY WAITING PERIOD SHALL OCCUR PRIOR TO FINAL GRADING AND PAVING. FOR PURPOSES OF CONSTRUCTION, THE LATERAL LIMITS OF THE MAIN STREET EMBANKMENT SHALL BE 60 FEET ON THE LEFT, AND THE EMBANKMENT TOE ON THE RIGHT. IN ORDER TO MEASURE SETTLEMENT AND PORE WATER DISSIPATION, PIEZOMETERS AND INCLINOMETERS SHALL BE INSTALLED AT STATIONS 142+00 AND 146+00. SAID INSTALLATION SHALL BE IN ACCORDANCE WITH THE NOTE FOR ITEM SPECIAL - MISC.: SOILS CONSULTANT FOR FIELD TESTING & INSPECTION.

ON SR 833 BETWEEN STA 46+00 AND STA 49+50, THE PROPOSED EMBANKMENT SHOULD BE CONSTRUCTED IN TWO EQUAL HEIGHT STAGES, WITH A 15 DAY WAITING PERIOD BETWEEN STAGES. AFTER THE SECOND STAGE HAS BEEN CONSTRUCTED UP TO THE LEVEL OF SUBGRADE ANOTHER 15 DAY WAITING PERIOD SHALL OCCUR PRIOR TO FINAL GRADING AND PAVING. ANY EMBANKMENT OVERLAP BETWEEN MAIN STREET AND SR 833 SHALL BE CONSTRUCTED FOLLOWING THE MAIN STREET CONSTRAINTS, AND NOT THE SR 833 CONSTRAINTS.

ON SR 833 BETWEEN STA 50+00 TO 52+00, THE PROPOSED EMBANKMENT SHALL BE CONSTRUCTED UP TO THE LEVEL OF SUBGRADE, THEN UNDERGO A WAITING PERIOD OF 30 DAYS PRIOR TO FINAL GRADING AND PAVING.

CONNECTION BETWEEN EXISTING AND PROPOSED GUARDRAIL

WHEN IT IS NECESSARY TO SPLICE PROPOSED GUARDRAIL TO EXISTING GUARDRAIL, ONLY THE EXISTING GUARDRAIL SHALL BE CUT, DRILLED, OR PUNCHED. THE CONNECTION SHALL BE MADE USING A "W-BEAM RAIL SPLICE" AS SHOWN IN ASSHTO M 180. PAYMENT SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE RESPECTIVE GUARDRAIL ITEMS.

PART-WIDTH CONSTRUCTION

BECAUSE OF THE NECESSITY TO BUILD THIS PROJECT UNDER TRAFFIC AND TO CONSTRUCT THE FULL PAVEMENT WIDTH IN STAGES, EXTREME CARE SHALL BE TAKEN TO PREVENT THE CONSTRUCTION OF A BUTT JOINT IN THE BASE COURSES. LONGITUDINAL JOINTS SHALL BE LAPPED AS SHOWN ON STANDARD CONSTRUCTION DRAWING BP-3.1.

MEDIAN AND/OR CURBING ON APPROACH SLABS

THE SHAPE OF THE MEDIAN AND/OR CURBING ON APPROACH SLABS SHALL BE TRANSITIONED, FROM THE STANDARD SECTION ON THE APPROACHES TO THE SECTION USED ON THE BRIDGE, WITHIN THE LIMITS OF THE APPROACH SLAB.

ITEM 407 - TACK COAT AND ITEM 407 - TACK COAT FOR INTERMEDIATE COURSE

THE RATE OF APPLICATION OF THE 407 TACK COAT SHALL BE SUBJECT TO ADJUSTMENT AS DIRECTED BY THE ENGINEER. FOR ESTIMATING PURPOSES ONLY, THE PLAN QUANTITIES INDICATE AN AVERAGE APPLICATION RATE OF:

407, TACK COAT 0.075 GAL. PER SQ. YARD

407, TACK COAT FOR INTERMEDIATE COURSE 0.050 GAL. PER SQ. YARD

ITEM SPECIAL - MISC.: COMBINATION CONCRETE CURB AND GUTTER, TYPE I (WVDOH), AS PER PLAN

PAYMENT FOR THE WORK DETAILED ON SHEET NO. 218 SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM SPECIAL - MISC.: COMBINATION CONCRETE CURB AND GUTTER, TYPE I (WVDOH), AS PER PLAN, AND SHALL CONSTITUTE FULL COMPENSATION FOR FURNISHING MATERIAL, LABOR, TOOLS AND EQUIPMENT NECESSARY TO COMPLETE THIS ITEM OF WORK.

ITEM SPECIAL - MISC.: COMBINATION CONCRETE CURB AND GUTTER, TYPE IV (WVDOH), AS PER PLAN

PAYMENT FOR THE WORK DETAILED ON SHEET NO. 218 SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM SPECIAL - MISC.: COMBINATION CONCRETE CURB AND GUTTER, TYPE IV (WVDOH), AS PER PLAN, AND SHALL CONSTITUTE FULL COMPENSATION FOR FURNISHING MATERIAL, LABOR, TOOLS AND EQUIPMENT NECESSARY TO COMPLETE THIS ITEM OF WORK.

SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

870, SOIL ANALYSIS TEST

MASON	1	EACH
POMEROY	1	
TOTAL	2	EACH

870, TOPSOIL

MASON	1086	CU. YD.
UNINC. (WV)	1	
POMEROY	4382	
TOTAL	5469	CU. YD. 1

870, COMMERCIAL FERTILIZER

MASON	1.32	TON
POMEROY	5.33	
TOTAL	6.65	TON 1

870, AGRICULTURAL LIME

MASON	4.05	TON
POMEROY	16.31	
TOTAL	20.36	TON 1

870, WATER

MASON	53	M. GAL.
POMEROY	213	
TOTAL	266	M. GAL. 1

870, MOWING

MASON	22	M. SQ. FT.
POMEROY	89	
TOTAL	111	M. SQ. FT. 1

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.
THE CONTRACTOR SHALL MAINTAIN ALL SEEDED AND MULCHED AREAS UNTIL THE PROJECT IS FINALIZED. THE REPAIRS SHALL BE MADE PRIOR TO COMPLETION OF THE PROJECT BY THE USE OF REPAIR SEEDING AND MULCHING AND INTER-SEEDING. PERFORMANCE BY SUPPLEMENTAL AGREEMENT SHALL BE WAIVED.

2

ITEM 830, COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN

ALL REQUIREMENTS OF SUPPLEMENTAL SPECIFICATION 830 SHALL APPLY, EXCEPT AS NOTED BELOW:

THIS ITEM OF WORK SHALL CONSIST OF CONSTRUCTING CURB AND GUTTER, TYPE 2, AT LOCATIONS WHERE THE GUTTER WIDTH IS GREATER THAN TWO FEET (INCLUDING TRANSITIONS), AS INDICATED IN THE PLANS.

ACCEPTED QUANTITIES FOR THIS ITEM OF WORK WILL BE MADE UNDER ITEM 830, COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN, WHICH SHALL CONSTITUTE FULL COMPENSATION FOR FURNISHING ALL MATERIAL, LABOR, TOOLS AND EQUIPMENT NECESSARY TO COMPLETE THIS ITEM OF WORK.

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC
2	REFERENCE MONUMENT	7/05	SCC

CALCULATED JGB CHECKED AM

GENERAL NOTES

MEG-33-15.70

ITEM 623 - CONSTRUCTION LAYOUT STAKES, AS PER PLAN

PRIOR TO THE START OF THE ROADWAY OPERATIONS, THE CONTRACTOR SHALL REFERENCE THE LENGTH OF THE PROJECT ON BOTH SIDES OF THE ROADWAY, IN A MANNED SATISFACTORY TO THE ENGINEER. THE PAVEMENT SHALL BE REFERENCED IN 100 FT. INCREMENTS, OR IN INCREMENTS ACCEPTABLE TO THE ENGINEER, IN A SEMIPERMANENT CONDITION. AT THE TERMINATION OF THE PROJECT, THE CONTRACTOR SHALL SET ALL MISSING OR OBLITERATED IRON PINS SHOWN ON THE RIGHT OF WAY PLAN. THE PINS SHALL BE SET UNDER THE SUPERVISION OF A REGISTERED SURVEYOR HIRED BY THE CONTRACTOR. THE PINS SHALL BE ¾" BY 36" REINFORCING ROD WITH AN ALUMINUM CAP STAMPED WITH THE SURVEYOR'S NAME AND REGISTRATION NUMBER.

TEMPORARY SOIL EROSION AND SEDIMENT CONTROL

THE FOLLOWING ESTIMATED QUANTITIES ARE TO BE PLACED BY THE CONTRACTOR WITH THE ENGINEER'S CONCURRENCE FOR TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES:

877, TEMPORARY SEEDING AND MULCHING

MASON	9781	SQ. YD.
UNINC. (WV)	3	
POMEROY	32564	
TOTAL	42348	SQ. YD.

877, TEMPORARY PERIMETER FILTER FABRIC FENCE

MASON	985	LIN. FT.
UNINC. (WV)	16	
POMEROY	2922	
TOTAL	3923	LIN. FT.

877, TEMPORARY DITCH CHECK FILTER FABRIC FENCE

MASON	40	LIN. FT.
POMEROY	130	
TOTAL	170	LIN. FT.

877, TEMPORARY INLET PROTECTION FILTER FABRIC FENCE

MASON	178	LIN. FT.
POMEROY	745	
TOTAL	923	LIN. FT.

877, TEMPORARY DITCH PROTECTION

MASON	172	SQ. YD.
POMEROY	535	
TOTAL	707	SQ. YD.

601, ROCK CHANNEL PROTECTION, TYPE C (WITH FILTER)

MASON	10	CU. YD.
TOTAL	10	CU. YD.

601, ROCK CHANNEL PROTECTION, TYPE C (WITHOUT FILTER)

MASON	82	CU. YD.
UNINC. (WV)	1	
POMEROY	244	
TOTAL	327	CU. YD.

870, COMMERCIAL FERTILIZER

MASON	0.77	TON
POMEROY	2.53	
TOTAL	3.30	TON

870, REPAIR SEEDING AND MULCHING

MASON	489	SQ. YD.
POMEROY	1628	
TOTAL	2117	SQ. YD.

870, WATER

MASON	26	M. GAL.
POMEROY	88	
TOTAL	114	M. GAL.

870, INTER-SEEDING

MASON	489	SQ. YD.
POMEROY	1628	
TOTAL	2117	SQ. YD.

EROSION CONTROL

ITEMS 601, 660 AND 670 ARE PROVIDED IN THE PLANS FOR EROSION CONTROL. ROCK OF A STABLE NATURE SHALL NOT BE REMOVED IN ORDER TO PLACE ANY OF THESE ITEMS AND TURF OF A STABLE NATURE SHALL NOT BE REMOVED IN ORDER TO PLACE 660. THE ENGINEER SHALL CHECK AND NON-PERFORM QUANTITIES OR ADJUST LOCATIONS AND QUANTITIES OF THESE ITEMS WHERE INDICATED BY FIELD CONDITIONS DURING CONSTRUCTION. IN ADDITION, THESE ITEMS SHALL MEET THE REQUIREMENT OF 108.04.

ITEM SPECIAL - FILL AND PLUG EXISTING CONDUIT (SANITARY)

THIS ITEM SHALL CONSIST OF THE CONSTRUCTION OF BULKHEADS IN AN EXISTING CONDUIT AND FILLING THE AREA THUS SEALED OFF WITH LEAN GROUT, ITEM 613, SAND OR OTHER MATERIAL APPROVED BY THE ENGINEER.

BULKHEADS SHALL BE LOCATED AT THE LIMITS OF THE AREA TO BE FILLED AS INDICATED ON THE PLANS. THE BULKHEADS SHALL CONSIST OF BRICK OR CONCRETE MASONRY WITH A MINIMUM THICKNESS OF 12 INCHES.

THE FILL MATERIAL SHALL BE PUMPED INTO PLACE, OR PLACED BY OTHER MEANS APPROVED BY THE ENGINEER, SO THAT, AFTER SETTLEMENT, AT LEAST 90 PERCENT OF THE CROSS-SECTIONAL AREA OF THE CONDUIT, FOR ITS ENTIRE LENGTH, SHALL BE FILLED. THE LENGTH OF FILLED AND PLUGGED CONDUIT TO BE PAID FOR SHALL BE THE ACTUAL NUMBER OF LINEAR FEET (MEASURED ALONG THE CENTERLINE OF EACH CONDUIT FROM OUTER FACE TO OUTER FACE OF BULKHEADS) FILLED AND PLUGGED AS DESCRIBED ABOVE.

CONTRACTOR SHALL REMOVE ALL LIQUIDS AND SOLIDS FROM EXISTING SANITARY SEWERS PRIOR TO ANY WORK UNDER THIS ITEM. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL WASTE MATERIALS (SOLIDS AND LIQUIDS) IN AN APPROPRIATE MANNER IN ACCORDANCE WITH ALL GOVERNING REGULATIONS, INCLUDING THE OHIO ENVIRONMENTAL PROTECTION AGENCY (OEPA), UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA), LOCAL HEALTH DEPARTMENT REGULATIONS AND AS AGREED TO BY THE VILLAGE OF POMEROY OR TOWN OF MASON. ALL ASSOCIATED COSTS FOR DISPOSAL SHALL BE INCLUDED IN THE WORK.

IN LIEU OF FILLING AND PLUGGING THE EXISTING CONDUIT, THE PIPE MAY BE CRUSHED AND BACKFILLED IN ACCORDANCE WITH THE PROVISIONS OF 203, OR IT MAY BE REMOVED.

THE LENGTH, MEASURED AS PROVIDED ABOVE, SHALL BE PAID FOR AT THE CONTRACT PRICE PER LINEAR FOOT FOR, ITEM SPECIAL, FILL AND PLUG EXISTING CONDUIT (SANITARY).

CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 603 CONDUIT ITEM.

SPRING DRAINS (VILLAGE OF POMEROY)

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER FOR DRAINING ANY SPRINGS SHOWN IN THE PLAN OR ENCOUNTERED DURING CONSTRUCTION. THE FOLLOWING TYPES OF PIPES MAY BE USED: 707.33, 707.41, 707.42 or 707.45 PERFORATED PER 707.31.

SPRING DRAINS SHALL BE CONSTRUCTED AS SHOWN ON STANDARD CONSTRUCTION DRAWING DM-1.1 AND PAID FOR AT THE CONTRACT PRICE FOR:

605, 6" UNCLASSIFIED PIPE UNDERDRAIN FOR SPRINGS 600 LIN. FT.

605, AGGREGATE DRAIN, FOR SPRINGS 300 LIN. FT.

REVIEW OF DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE STATE, REPRESENTATIVES OF THE STATE AND THE CONTRACTOR, ALONG WITH LOCAL REPRESENTATIVES, SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING BY THE STATE.

REVIEW OF DRAINAGE FACILITIES (CONT'D.)

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE STATE.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 603 CONDUIT ITEMS.

MANHOLES, CATCH BASINS AND INLETS REMOVED OR ABANDONED

ALL CASTINGS SHALL BE CAREFULLY REMOVED AN STORED WITHIN THE RIGHT OF WAY FOR SALVAGE BY THE VILLAGE OF POMEROY, OR THE TOWN OF MASON, W. VA., AS APPLICABLE.

PAYMENT FOR ALL OF THE ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 202 ITEM.

ITEM SPECIAL - MISC.: SOILS CONSULTANT FOR FIELD TESTING & INSPECTION

ALL TESTING AND INSPECTION FOR THE EMBANKMENT, SUBGRADE COMPACTION, GRANULAR BASES AND SUBBASES AND TRENCH BACKFILL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL COMPACTION AND/OR DENSITY TESTS SHALL MEET PROVISIONS OF ITEM NO'S. 202, 203, 304, 503 OR 603. INSPECTION SHALL ASSURE COMPLIANCE TO THE APPROPRIATE BID ITEM OF WORK.

THE CONTRACTOR SHALL PROVIDE A SOILS CONSULTANT PRE-QUALIFIED BY ODOT WHO SHALL, THROUGH THE CONTRACTOR, BE RESPONSIBLE FOR ENSURING THAT THE CONSTRUCTION INCLUDING INSPECTION AND/OR DENSITY OF THE EMBANKMENT, BACKFILL OR BASE MATERIALS ARE IN COMPLIANCE WITH THE SPECIFICATIONS. THIS WORK SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND ODOT MANUAL OF PROCEDURES FOR EARTHWORK.

THE SOILS CONSULTANT SHALL PROVIDE A SOILS TECHNICIAN WHO HAS A BACKGROUND IN EMBANKMENT, BASE CONSTRUCTION, STRUCTURE BACKFILL AND PIPE INSTALLATION AND IS FAMILIAR WITH ODOT SPECIFICATIONS.

THE SOILS CONSULTANT SHALL PROVIDE A SOILS TECHNICIAN WHO IS TRAINED IN INSTALLATION OF AND DATA COLLECTION FROM PIEZOMETERS AND INCLINOMETERS.

ALSO, THE SOILS CONSULTANT SHALL PROVIDE NECESSARY TRAINED OPERATORS AND EQUIPMENT AND FURNISH THE PROJECT ENGINEER WITH TWO (2) COPIES OF ACCEPTABLE TEST RESULTS WITHIN 24 HOURS AFTER THE TEST IS TAKEN. THE SOILS CONSULTANT TECHNICIANS SHALL DEMONSTRATE THEIR COMPETENCE TO THE ENGINEER BEFORE WORK BEGINS. THE ENGINEER WILL ORDER THE CONTRACTOR TO REPLACE THE SOILS CONSULTANT IF THEY ARE NOT FULLY VERSED IN THE REQUIRED TESTING AND INSPECTION PROCEDURES. THE CONSULTANT'S OPERATOR SHALL IMMEDIATELY NOTIFY THE ODOT INSPECTOR OR ENGINEER OF ANY FAILING TEST, IDENTIFY THE REMEDIAL ACTION PROPOSED AND PROVIDE DOCUMENTATION OF ACCEPTABLE RETEST OF THE FAILED AREA. COMPACTION TESTS SHALL BE TAKEN FOR EACH 500 CU. YDS. OF EMBANKMENT, EVERY 1000 SQ. YDS. OF SUBGRADE PREPARED AND EACH 1000 SQ. YDS. OF SUBBASE PLACED. THE ENGINEER MAY REQUIRE MORE FREQUENT TESTING IF THE CONDITIONS WARRANT. UPON COMPLETION OF THE ITEM, THE SOILS CONSULTANT SHALL ALSO PROVIDE THE ENGINEER WITH TWO (2) COPIES OF AN INSPECTION REPORT BY A REGISTERED PROFESSIONAL ENGINEER, WHICH CONTAINS THE TESTING RESULTS AND THE CONSULTANT'S CONCLUSIONS AS TO SPECIFICATION COMPLIANCE FOR ALL CONTRACT COMPACTION OR DENSITY WORK. THE SOILS CONSULTANT SHALL PROVIDE THE PROJECT ENGINEER WITH A DAILY INSPECTION REPORT WHICH WILL INCLUDE COMPACTION/DENSITY TEST TAKEN, ITEMS OF WORK INSPECTED, PAY ITEMS COMPLETED AND FINAL PAY QUANTITIES.

THE ENGINEER WILL MAKE UNANNOUNCED QUALITY CONTROL TESTS PERIODICALLY TO VERIFY PROCEDURES USED AND RESULTS BEING OBTAINED BY THE CONTRACTOR.

THE SOIL CONSULTANT'S FIELD REPRESENTATIVE SHALL WORK UNDER THE DIRECTION OF A REGISTERED PROFESSIONAL ENGINEER WHO WILL MONITOR THE EMBANKMENT CONSTRUCTION, BASE PLACEMENT, STRUCTURE BACKFILL AND PIPE INSTALLATION. THE

REGISTERED PROFESSIONAL ENGINEER SHALL BE AVAILABLE TO DISCUSS QUESTIONS AND PROBLEMS WHICH MAY ARISE RELATIVE TO THE EMBANKMENT, BASE CONSTRUCTION AND INSPECTION SERVICES AND SHALL ALSO ATTEND THE MONTHLY PROGRESS MEETINGS FOR THE PROJECT. THE FINAL INSPECTION REPORT SHALL BE SIGNED BY A REGISTERED PROFESSIONAL ENGINEER AND CERTIFY THAT ALL COMPACTION AND DENSITY TESTS PROVIDED BY THE CONSULTANT MEET ALL APPLICABLE CONTRACT REQUIREMENTS.

PIEZOMETERS SHALL BE INSTALLED AT STATIONS 142+00 AND 146+00 ON THE CENTERLINE OF THE EMBANKMENT. INCLINOMETERS SHALL BE INSTALLED AT STATIONS 142+00 AND 146+00 AT THE TOE OF SLOPE.

PAYMENT FOR THIS WORK SHALL BE BID AS A LUMP SUM AND PAID FOR AS FOLLOWS:

UPON APPROVAL OF CONSULTANT	20%
UPON COMPLETION OF FIELD TESTING & INSPECTION	60%
UPON SUBMISSION OF FINAL REPORT	20%

A LUMP SUM QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY FOR ITEM SPECIAL - MISC.: SOILS CONSULTANT FOR FIELD TESTING & INSPECTION.

BORROW FOR EARTHWORK

BORROW FOR EARTHWORK FROM ANY OF THE CULTURAL SITES IDENTIFIED OUTSIDE THE IMMEDIATE STUDY AREA, INCLUDING THE "FRY HOUSE" AND THE PROPERTY ON WHICH IT IS LOCATED SHALL NOT BE ALLOWED.

CORRELATION BETWEEN OHIO AND WEST VIRGINIA ITEMS, SPECIFICATIONS, AND DETAILS:

ITEMS WHICH ARE DESIGNATED AS BOTH "ITEM SPECIAL" AND "(WVDOH)", AS WELL AS DETAILED DRAWINGS SIMILARLY REFERENCED ARE ALL GOVERNED BY WEST VIRGINIA DEPARTMENT OF TRANSPORTATION PUBLICATIONS AS FOLLOWS:

WEST VIRGINIA DIVISION OF HIGHWAYS STANDARD SPECIFICATIONS - ROADS AND BRIDGES, VOLUME 1, ADOPTED 2000, AND VOLUME 2, ADOPTED 1994.

WEST VIRGINIA DIVISION OF HIGHWAYS SUPPLEMENTAL SPECIFICATIONS ISSUED JULY 1, 2001.

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS STANDARD DETAIL DRAWINGS.

STANDARD CONSTRUCTION DRAWINGS - WV

DR1	7-1-99	TE7-1	9-16-87	TEL-09A	12-10-76
DR6-F	7-1-99	TE9-1	3-10-93	TEL-09B	7-7-89
DR6-G	7-1-99	TE12-1	9-30-77	TEL-11	9-14-93
DR6-H	7-1-99	TP-A	9-21-93	TEL-18	9-14-93
DR6-X	7-1-99	TP1-1	9-13-93	TEL-21	1-26-93
DR7-A	7-1-99	TP1-2	9-13-93	TEL-22	1-26-93
DR7-X	7-1-99	TP1-3	11-3-76	TEL-23	9-15-84
DR8	7-1-99	TP1-4	9-13-93	TEL-31	9-15-84
PVT5	7-1-99	TP1-5	9-13-93	TEL-42	8-11-77
PVT6	7-1-99	TP3-1	9-13-93	TEL-43	1-27-93
PVT7	7-1-99	TP4-1A	9-13-93	TES-01	1-19-93
TE1-7A	9-13-93	TP4-1B	9-13-93	TES-04	1-19-93
TE1-7B	9-13-93	TP4-2	9-13-93	TES-20	9-14-93
TE1-7C	9-13-93	TP5-3	11-3-76	TES-40	9-14-93
TE4-3	9-20-93	TEM-2	2-3-93	TES-50	9-14-93
TE6-3A	9-13-93	TEM-3	12-9-93	TES-80	12-10-84
TE6-3B	2-22-93	TEM-4	12-10-92	TES-90	1-4-93
TE6-3C	2-22-93	TEL-01	9-14-93	TES-91	12-23-96
TE6-3D	2-22-93	TEL-06	12-10-76		

WAHAMA HIGH SCHOOL SIGNS

THE EXISTING WAHAMA HIGH SCHOOL BRICK MASONRY SIGNS, LOCATED AT WV62 STATION 209+00, RIGHT, SHALL BE PROTECTED FROM DISTURBANCE DURING ALL PHASES OF CONSTRUCTION.

FOODLAND SIGN

THE EXISTING FOODLAND SIGN, LOCATED AT MAIN STREET STATION 132+80, LEFT, SHALL BE PROTECTED FROM DISTURBANCE DURING ALL PHASES OF CONSTRUCTION.

ITEM 202, BUILDING DEMOLISHED, AS PER PLAN

EXISTING BUILDINGS WHICH HAVE BEEN PARTIALLY DEMOLISHED, WITH FOUNDATIONS, FLOORS, FLOOR SLABS, BASEMENTS, PITS, WELLS, CISTERNS, OR OTHER APPURTENANCES, SITLL REMAINING, SHALL BE DEMOLISHED AS PER ITEM 202.06, BUILDINGS DEMOLISHED.

D-97 - MANHOLE No. 3

1

AS PART OF THE OHIO REALIGNMENT, THE REVISED STORM SEWER DESIGN UTILIZES PORTIONS OF THE EXISTING 18" STORM SEWER THAT CROSSES THE SR 833 CENTERLINE AT STA. 53+61 +/-. AT THE EARLIEST POSSIBLE DATE AND PRIOR TO CONSTRUCTION OF THE PROPOSED STORM SEWER, THE CONTRACTOR MUST DETERMINE THE FLOWLINE ELEVATION OF THE EXISING 18" CONDUIT AT THE LOCATION OF THE PROPOSED MANHOLE AT STA. 53+59, 25' RT. TO ENSURE IT IS AT OR BELOW THE DESIGNED MANHOLE OUTLET ELEVATION. IF THE FLOWLINE OF THE EXISTING PIPE IS SHALLOWER THAN THE PROPOSED MANHOLE OULET ELEVATION, THE CONTRACTOR SHALL NOTIFY ODOT SO MODIFICATIONS TO THE PLAN CAN BE MADE.

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED JGB CHECKED AM

GENERAL NOTES

MEG-33-15.70

ENVIRONMENTAL PLAN NOTES

TEMPORARY CAUSEWAYS AND WORK PLATFORMS IN THE OHIO RIVER

SHOULD THE USE OF ANY TEMPORARY CAUSEWAYS BE NECESSARY TO ACCESS WORK AREAS WITHIN THE OHIO RIVER, THEY WILL BE CONSTRUCTED OF ONLY CLEAN, HARD, NON-ERODIBLE FILL MATERIAL PURSUANT TO THE STIPULATIONS INCLUDED IN TH SECTION 404 PERMIT ISSUED BY THE U.S. ARMY CORPS OF ENGINEERS. NO SOIL WILL BE PLACED ON THE CAUSEWAY. ALL TEMPORARY CAUSEWAYS SHALL BE COMPLETELY REMOVED AS SOON AS POSSIBLE UPON THE COMPLETION OF USE.

WORK WITHIN A COMMERCIALLY NAVIGABLE WATERWAY

ALL WORK WITHIN THE OHIO RIVER, A COMMERCIALLY NAVIGABLE WATERWAY, SHALL BE COORDINATED WITH THE U.S. ARMY CORPS OF ENGINEERS, HUNTINGTON DISTRICT LOCATED AT 502 EIGHTH STREET, HUNTINGTON, WEST VIRGINIA 25701-2070. PRIOR TO THE COMMENCEMENT OF WORK WITHIN THE RIVER, THE CONTRACTOR SHALL CONTACT MR. TIMOTHY FUDGE, THE USCOE DREDGE TEAM LEADER. MR. FUDGE'S TELEPHONE NUMBER IS (304) 544-0467 OR (304) 529-5684.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING INFORMATION FOR THE USCOE TO PREPARE A NOTICE TO NAVIGATION PRIOR TO THE COMMENCEMENT OF A CONSTRUCTION AND DEMOLITION ACTIVITIES. WORK CANNOT COMMENCE UNTIL 14 DAYS AFTER THE NOTICE TO NAVIGATION IS ISSUED.

BORROW & WASTE AREAS NEAR HISTORIC PROPERTIES

THE EXCAVATION OF BORROW MATERIAL OR DEPOSITION OF WASTE MATERIAL FROM THE PROJECT WILL BE PROHIBITED UPON THE PROPERTY OF THE HISTORIC FRY HOUSE IN POMEROY, OHIO. THE PROPERTY IS LOCATED APPROXIMATELY 300 FEET LEFT OF THE PROPOSED MAIN STREET STA. 133+00, BEING ON THE SOUTH SIDE OF LIBERTY STREET.

POTENTIAL HAZARDOUS MATERIAL AT THE FORMER RAIL YARD

A RAILROAD ROUNDHOUSE WAS PREVIOUSLY LOCATED IN THE AREA OF THE PROPOSED MAIN STREET BETWEEN STA. 141+00 AND STA. 146+00. THE POTENTIAL PRESENCE OF HAZARDOUS MATERIAL WAS IDENTIFIED, HOWEVER, FURTHER INVESTIGATIONS WERE NOT WARRANTED, DUE TO THE SCOPE OF WORK EXPECTED IN THAT AREA. CONSEQUENTLY, NO EXISTING MATERIAL IS TO BE REMOVED FROM THE SITE.

IF POOR SUBSOILS REQUIRE THE AREA TO BE UNDERCUT AND REPLACED, THE DEPARTMENT WILL CONDUCT A PHASE II ENVIRONMENTAL SITE ASSESSMENT TO IDENTIFY THE POTENTIAL FOR ADVERSE HEALTH CONSEQUENCES TO CONSTRUCTION WORKERS, AS WELL AS, THE NEED FOR SPECIAL HANDLING OF WASTE MATERIAL.

COORDINATION WITH THE FEDERAL AVIATION ADMINISTRATION

A "DETERMINATION OF NO HAZARD TO AIR NAVIGATION" WAS ISSUED BY THE FEDERAL AVIATION ADMINISTRATION FOR EACH OF THE TWO BRIDGE SUPPORT TOWERS. THE AERONAUTICAL STUDY FOR THE OHIO TOWER WAS COMPLETED BY THE FAA, GREAT LAKES REGIONAL OFFICE LOCATED AT 2300 EAST DEVON AVENUE - AGL - 520, DESPLAINS, IL. 60018 (PHONE:847-294-7566). LIKEWISE, THE AERONAUTICAL STUDY FOR THE WEST VIRGINIA TOWER WAS COMPLETED BY THE FAA, EASTERN REGIONAL OFFICE, AVIATION PLAZA - AEA - 520, JAMAICA, NY 11434-4809 (PHONE: 718-553-3497).

EACH AERONAUTICAL STUDY STIPULATE THAT THE DETERMINATION IS BASED ON THE DESCRIPTION, COORDINATES, HEIGHTS, ETC. PRESENTED IN THE APPLICATION. ANY CHANGES TO THOSE PARAMETERS WILL VOID THE RESPECTIVE DETERMINATION.

EACH DETERMINATION DOES INCLUDE TEMPORARY CONSTRUCTION EQUIPMENT, SUCH AS CRANES, DERRICKS, ETC., HOWEVER, ONLY TO THE EXTENT THAT THEY DO NOT EXCEED THE OVERALL HEIGHT LISTED IN THE APPLICATION, WHICH IS 249 FEET TOTAL STRUCTURE HEIGHT AND AN ELEVATION OF 786 FEET ABOVE MEAN SEA LEVEL. IF THE CONTRACTOR ELECTS TO USE TOWER CRANES THAT EXCEED THAT ELEVATION, A SEPARATE FAA PERMIT APPLICATION MUST BE SUBMITTED BY THE CONTRACTOR.

EACH DETERMINATION REQUIRES THE SUBMISSION OF TWO SUPPLEMENTAL NOTICES; THE ADVANCE NOTICE OF CONSTRUCTION AND THE NOTICE OF REACHING GREATEST HEIGHT. BOTH SUPPLEMENTAL NOTICES FOR EACH BRIDGE TOWER WILL BE SUBMITTED BY THE DISTRICT 10 PLANNING DEPARTMENT. THEREFORE, THE DEPARTMENT'S PROJECT ENGINEER SHALL FORWARD THE TOWER CONSTRUCTION SCHEDULES TO ANTHONY T. DURM, P.E., NO LESS THAN TWO WEEKS PRIOR TO THE START OF TOWER CONSTRUCTION. LIKEWISE, NOTIFICATION SHALL ALSO BE FORWARDED APPROXIMATELY TWO WEEKS PRIOR TO THE ANTICIPATED COMPLETION OF THE TOWER CAPS.

EXISTING UTILITIES

ALTHOUGH A CONCERTED ATTEMPT TO LOCATE THE UNDERGROUND UTILITIES ON THE PROJECT WAS UNDERTAKEN, THE ACTUAL LOCATIONS MAY VARY FROM WHAT IS SHOWN ON THE PLANS. THEREFORE, THE CONTRACTOR SHALL VERIFY LOCATIONS OF THE EXISTING UTILITIES PRIOR TO THE EXECUTION OF THE PROPOSED WORK.

WATERWAY PERMIT COMPLIANCE

THE SECTION 401 WATER QUALITY CERTIFICATION FROM THE STATES OF OHIO AND WEST VIRGINIA, AS WELL AS THE SECTION 9 PERMIT FROM THE U.S. COAST GUARD, HAVE YET TO BE AUTHORIZED. THE CONTRACTOR SHALL NOT WORK IN, NOR PLACE ANY FILL WITHIN THE OHIO RIVER, UNTIL THE FINAL 401 CERTIFICATIONS AND SECTION 9 PERMIT ARE AUTHORIZED.

THE CONTRACTOR WILL BE PROVIDED THE APPROVED 401 CERTIFICATIONS AND SECTION 9 PERMIT AS SOON AS THEY BECOME AVAILABLE. ALL THE CERTIFICATIONS AND PERMITS ARE EXPECTED TO BE AUTHORIZED BY THE RESPECTIVE AGENCIES NO LATER THAN APRIL 15, 2003. ANY COORDINATION WITH THE OHIO ENVIRONMENTAL PROTECTION AGENCY, THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OR THE UNITED STATES COAST GUARD WILL BE ACCOMPLISHED BY THE ODOT OFFICE OF ENVIRONMENTAL SERVICES.

CALCULATED JGB
CHECKED AM

GENERAL NOTES

MEG-33-15.70

ITEM 614 - MAINTAINING TRAFFIC

SEQUENCE OF CONSTRUCTION

OHIO:

PHASE ONE

FOR OHIO, SEE SHEET 19A

THE PROPOSED SANITARY FORCE MAIN BETWEEN THE PROPOSED LIFT STATION AND SR 833 STATION 44+25 +/-, AND BETWEEN STATION 45+13 AND THE END OF PROPOSED SANITARY FORCE MAIN WORK, AND ALL TEMPORARY AND PROPOSED WATER LINES, SHALL BE CONSTRUCTED DURING PHASE ONE. THE EXISTING GRAVITY SEWER SOUTH AND WEST OF THE EXISTING SANITARY LIFT STATION, AS WELL AS THE EXISTING SANITARY FORCE MAIN SHALL REMAIN IN SERVICE. THE PROPOSED SANITARY LIFT STATION SHALL NOT BE BUILT DURING THIS PHASE. FOLLOW STANDARD CONSTRUCTION DRAWING MT-97.12 TO INSTALL PROPOSED SANITARY AND WATER LINES ON EXISTING MAIN STREET. MAINTAIN TRAFFIC ON EXISTING MAIN STREET, SR 833, AND THE EXISTING BRIDGE. BUILD PROPOSED MAIN STREET, AND SR 833 UP TO THE INTERMEDIATE COURSE BETWEEN STA. 136+00 AND STA 48+50 RESPECTIVELY, INCLUDING A PORTION OF SR 833 FROM STA. 45+13 TO THE INTERSECTION AT MAIN STREET. PLACE PORTABLE CONCRETE BARRIER (PCB) AND DRUMS AS SHOWN IN THE PLANS. BUILD TEMPORARY PAVEMENT, CLASS A, BETWEEN STA. 43+11.36 AND STA. 45+13 AS SHOWN IN THE PLANS. THE CONTRACTOR SHALL NOT BEGIN ANY PAVING OPERATIONS ON EXISTING MAIN STREET, NOR ON SR 833 UNTIL THE PROPOSED MAIN SPAN CABLE STAYED STRUCTURE, AND THE FIRST OHIO APPROACH SPAN PAST THE MAIN SPAN ARE BUILT. AS SOON AS THE STRUCTURE IS BUILT, BEGIN PAVING OPERATIONS

BETWEEN STA. 131+00 AND STA. 133+50 ON EXISTING MAIN STREET AT THE SOUTH END, AND BETWEEN STA. 52+00 AND STA. 53+77 ON SR 833 AT THE NORTH END. TEMPORARY PAVING USING ITEM 614, BITUMINOUS CONCRETE FOR MAINTAINING TRAFFIC SHALL BE USED TO RAMP TRAFFIC ON TO EXISTING PAVEMENT. FOLLOW THE PROFILES INCLUDED IN THE MAINTENANCE OF TRAFFIC PLANS. FOLLOW THE STANDARD DRAWING MT-97.12 FOR PAVING ONE LANE WHILE TRAFFIC IN BOTH DIRECTIONS USES THE OTHER LANE WITH THE HELP OF FLAGGERS. AT NO TIME SHALL THE BITUMINOUS OVERLAY ON EXISTING MAIN STREET AND SR 833 BE ABOVE THE GRADE OF THE ADJACENT EMBANKMENT FOR PROPOSED MAIN STREET, AND SR 833 RESPECTIVELY. TEMPORARY PAVEMENT, CLASS A SHALL BE BUILT BETWEEN STA. 130+09.43 AND STA. 131+00.04 AS SHOWN IN THE PLANS. TRAFFIC ON EXISTING MAIN STREET SHALL BE MAINTAINED ON TWO 10' LANES, ONE IN EACH DIRECTION, WITH MINIMUM LANE WIDTHS OF 9' WHERE SHOWN ON PLANS. BUILD THE RETAINING WALL DURING THIS PHASE. ALSO, BUILD A PORTION OF THE PROPOSED SR 833 BEHIND THE PCB ON EXISTING MAIN STREET. PEDESTRIAN TRAFFIC SHALL BE MAINTAINED ACROSS THE EXISTING US 33 BRIDGE DURING PHASE ONE.
TEMPORARY SHEETING SHALL BE PLACED ON ALL THREE SIDES OF THE OPENING IN THE PROPOSED MAIN STREET EMBANKMENT BETWEEN STA. 136+10.99 AND STA. 136+50.99. THIS WILL ALLOW THE EXISTING SANITARY LIFT STATION TO REMAIN OPERATIONAL DURING PHASE ONE.
TRAFFIC ON LIBERTY LANE SHALL BE MAINTAINED AT ALL TIMES WITH A 12' MINIMUM WIDTH OF TRAVELED WAY. FLAGGERS SHALL BE USED DURING THE DAY TO FACILITATE THE MOVEMENT OF TRAFFIC IN AND OUT OF LIBERTY LANE. THE CONSTRUCTION OF LIBERTY LANE SHALL BE COMPLETED WITHIN A 12 HOUR PERIOD FOLLOWING THE CONSTRUCTION OF THE CONCRETE CURBS AND SIDEWALKS.

WEST VIRGINIA:

PHASE ONE

RAMPING SHALL BE PLACED IN THE EXISTING INTERSECTION OF WV 62, WAL-MART ACCESS DRIVE, AND THE EXISTING BRIDGE, USING WVDOH BASE, TWO (2) INCHES TYPE II AND TWO (2) INCHES TYPE I, TO THE ELEVATIONS SHOWN IN THE TEMPORARY RAMP PROFILE. THE MAXIMUM TOTAL LIFTS SHALL BE NO GREATER THAN FOUR (4) INCHES, AND SHALL BE ACCOMPLISHED DURING OFF PEAK HOURS 1:00 AM UNTIL 5:00 AM USING FLAGGERS. TRAFFIC DURING THIS PHASE SHALL USE THE EXISTING INTERSECTION AT WAL-MART ACCESS DRIVE, AS WELL AS, THE EXISTING SIGNAL. A MINIMUM VERTICAL CLEARANCE BETWEEN THE TEMPORARY PAVEMENT AND THE EXISTING SIGNAL OF FIFTEEN (15) FEET SHALL MAINTAINED AT ALL TIMES. THE PROPOSED SIGNAL SHALL BE INSTALLED DURING PHASE ONE, AND IT SHALL BE LINKED TO THE EXISTING SIGNAL, FOR USE DURING PHASE TWO. PEDESTRIAN TRAFFIC SHALL BE MAINTAINED ACROSS THE EXISTING US 33 BRIDGE DURING PHASE ONE.
ONE 11 FOOT (10 FOOT MINIMUM) LANE SHALL BE MAINTAINED IN EACH DIRECTION ON EXISTING WAL-MART ACCESS DRIVE AND ON WV 62. DRUMS AND PORTABLE CONCRETE BARRIER SHALL BE PLACED AS SHOWN IN THE PHASE ONE PLANS.
THE PROPOSED WAL-MART ACCESS DRIVE SHALL BE BUILT AS SHOWN IN THE PLANS. PORTIONS OF THE PROPOSED WAL-MART ACCESS DRIVE THAT OVERLAP WITH THE EXISTING DRIVE SHALL BE BUILT UNDER TRAFFIC UTILIZING FLAGGERS. TRAFFIC SHALL UTILIZE THE EXISTING INTERSECTION. THE SIGNAL PHASING FOR THE EXISTING SIGNAL SHALL BE ADJUSTED TO ALLOW FOR ALL TURNING MOVEMENTS FROM ONLY ONE LANE IN EACH DIRECTION ON WV 62. ALL LANES SHALL REMAIN OPEN ON THE EXISTING BRIDGE. PEDESTRIAN ACCESS SHALL BE MAINTAINED AT ALL TIMES ON THE EXISTING BRIDGE. PROPOSED DRAINAGE AND UTILITY WORK WITHIN THE WORK AREA SHALL BE PERFORMED DURING THIS PHASE.

OHIO:

PHASE TWO

SHIFT TRAFFIC ON TO PROPOSED MAIN STREET AND PROPOSED SR 833. THE EXISTING BRIDGE SHALL BE OPEN TO TRAFFIC DURING THIS PHASE. MAINTAIN TWO 10' LANES ON PROPOSED MAIN STREET, AND PROPOSED SR 833. LANES WIDEN TO 12' AS SHOWN IN THE PLANS. THE TEMPORARY CONNECTION BETWEEN EXISTING MAIN STREET AND PROPOSED SR 833 SHALL BE USED BY TRAFFIC TO ACCESS THE EXISTING BRIDGE. TWO 13.5' LANES SHALL BE MAINTAINED ON THE TEMPORARY CONNECTION, AND TWO 10' LANES SHALL BE MAINTAINED ON EXISTING MAIN STREET AND THE EXISTING BRIDGE. THE EXISTING SIGNAL SHALL BE REMOVED. THE PROPOSED SIGNAL AT THE INTERSECTION OF PROPOSED MAIN STREET AND PROPOSED SR 833 SHALL BE OPERATIONAL AND BE ADJUSTED TO ACCOMMODATE THE TRAFFIC PATTERNS. REMOVE THE TEMPORARY BITUMINOUS MATERIAL PLACED ON EXISTING MAIN STREET AND ON EXISTING SR 833 DURING PHASE ONE. PLACE PCB AND DRUMS AS SHOWN IN THE PLANS. BUILD THE REMAINDER OF MAIN STREET AND SR 833 BEHIND THE PCB AS SHOWN ON THE PLANS. THE OHIO APPROACH SPAN AT THE FORWARD ABUTMENT SHALL BE BUILT USING PART WIDTH CONSTRUCTION ON THE LEFT, AS SHOWN IN THE PLANS TO ACCOMMODATE TWO 13.5' LANES OF TRAFFIC DURING THE NEXT PHASE. SEE THE STRUCTURAL PLANS FOR CONSTRUCTION JOINT LOCATIONS ON THE APPROACH STRUCTURE. PEDESTRIAN TRAFFIC SHALL NOT BE MAINTAINED ACROSS THE EXISTING US 33 BRIDGE. TRAFFIC ON FLOOD RUN STREET AND WEST MAIN STREET SHALL BE SHIFTED AS NEEDED DURING PHASE TWO UNTIL CONSTRUCTION IS COMPLETED WITHIN THE WORK AREA AS SHOWN IN THE PLANS. THE PROPOSED SANITARY LIFT STATION SHALL BE CONSTRUCTED AND THE REMAINDER OF THE PROPOSED SANITARY SEWER CONNECTIONS SHALL BE MADE DURING THIS PHASE. THE PROPOSED LIFT STATION SHALL BE OPERATIONAL PRIOR TO THE REMOVAL OF THE EXISTING LIFT STATION. THE TEMPORARY SHEETING BETWEEN STA. 136+10.99 AND STA. 136+50.99 SHALL BE REMOVED. CONSTRUCTION OF THE EMBANKMENT, AND PAVEMENT TO THE ELEVATION OF THE INTERMEDIATE COURSE, SHALL BE COMPLETED.

WEST VIRGINIA:

PHASE TWO

TRAFFIC SHALL BE MAINTAINED USING WVDOH CASE A9 MODIFIED, AS SHOWN IN THE PHASE TWO PLANS. THE PROPOSED SIGNAL LINKED TO THE EXISTING SIGNAL SHALL BE USED TO MAINTAIN TRAFFIC FOR THE OFFSET INTERSECTION.
MAINTAIN ONE 11 FOOT (10 FOOT MINIMUM) LANE IN EACH DIRECTION ON WV62, THE EXISTING BRIDGE, AND THE NEW WAL-MART ACCESS DRIVE.
PLACE DRUMS AS SHOWN IN THE PLANS. PROPOSED WORK SHALL BE ON THE WEST SIDE OF WV62, INCLUDING DRAINAGE AND UTILITIES, WITHIN THE LIMITS SHOWN IN THE PHASE TWO PLANS. THE EXISTING WAL-MART ACCESS DRIVE AND THE TEMPORARY 15" PIPE SHALL BE REMOVED, WHILE THE REMAINING PROPOSED DRAINAGE IS COMPLETED.

OHIO:

PHASE THREE A

APPLY SURFACE COURSE ON PROPOSED MAIN STREET AND PROPOSED SR 833. PROPOSED PAVEMENT MARKINGS SHALL BE PLACED ON THE COMPLETED PAVEMENT SURFACE. TRAFFIC SHALL BE MAINTAINED ON COMPLETED PAVEMENT CONSTRUCTED DURING PREVIOUS PHASES, WITH DRUMS AND PORTABLE CONCRETE BARRIER, AS SHOWN IN THE PLANS. ALL REMAINING WORK, SUCH AS THE FORWARD ABUTMENT AND ITS BRIDGE APPROACH SPAN, AND THE RIGHT LANES ON PROPOSED SR 833 "J-HOOK" SHALL BE COMPLETED DURING THIS PHASE. ALL TEMPORARY PAVEMENT SHALL BE REMOVED, AND AFFECTED AREAS SHALL BE REPAIRED TO COMPLY WITH THE PLANS. THE PROPOSED SR 833 BRIDGE SHALL CARRY ALL TRAFFIC ON TWO 13.5' LANES THRU THE "J-HOOK", AND TRANSITION TO 4 - 12' LANES ON THE BRIDGE. PEDESTRIAN TRAFFIC SHALL NOT BE MAINTAINED ACROSS THE PROPOSED BRIDGE DURING THIS PHASE. THE EXISTING BRIDGE SHALL BE DEMOLISHED DURING THIS PHASE.

WEST VIRGINIA:

PHASE 3A

TRAFFIC SHALL BE MAINTAINED USING PORTABLE CONCRETE BARRIER AND DRUMS AS SHOWN IN THE PLANS WHILE MAINTAINING TRAFFIC USING WVDOH CASE A9 MODIFIED. MAINTAIN ONE 11 FOOT (10 FOOT MINIMUM) LANE IN EACH DIRECTION ON WV62 AND THE NEW WAL-MART ACCESS DRIVE. MAINTAIN TRAFFIC ON THE PROPOSED BRIDGE AS SHOWN IN THE PLANS. THE PROPOSED SIGNAL SHALL BE IN USE DURING THIS PHASE. THE TEMPORARY PAVEMENT SHALL BE REMOVED AND PROPOSED PAVEMENT BUILT ON THE WEST SIDE OF WV62, WHILE PAVEMENT OVERLAY IS CONSTRUCTED BETWEEN WV62 STATIONS 205+00 AND 207+00 USING FLAGGERS. MAINTAIN ONE 11 FOOT (10 FOOT MINIMUM) LANE IN EACH DIRECTION ON THE EAST SIDE OF WV62 USING WVDOH CASE A9 MODIFIED.

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ITEM 614 - MAINTAINING TRAFFIC

SEQUENCE OF CONSTRUCTION

OHIO:

PHASE ONE

CONSTRUCTION OF THE PROPOSED SANITARY FORCE MAIN BETWEEN THE PROPOSED LIFT STATION AND THE END OF PROPOSED SANITARY FORCE MAIN WORK, AS WELL AS ALL TEMPORARY AND PROPOSED WATER LINES SHALL BE PERFORMED DURING PHASE ONE. THE EXISTING GRAVITY SEWER SOUTH AND WEST OF THE EXISTING SANITARY LIFT STATION, AS WELL AS THE EXISTING SANITARY FORCE MAIN SHALL REMAIN IN SERVICE. THE PROPOSED SANITARY LIFT STATION SHALL NOT BE BUILT DURING THIS PHASE. FOLLOW STANDARD CONSTRUCTION DRAWING MT-97.12 TO INSTALL PROPOSED SANITARY AND WATER LINES ON EXISTING WEST MAIN STREET.

MAINTAIN TRAFFIC ON EXISTING WEST MAIN STREET AND THE EXISTING BRIDGE. INSTALL PORTABLE CONCRETE BARRIERS AND DRUMS AS SHOWN ON THE PLANS.

TRAFFIC ON EXISTING WEST MAIN STREET AND EXISTING US 33 SHALL BE MAINTAINED ON TWO 10' LANES, ONE IN EACH DIRECTION, WITH MINIMUM LANE WIDTHS OF 9' WHERE SHOWN ON PLANS. PEDESTRIAN TRAFFIC SHALL BE MAINTAINED ACROSS THE EXISTING US 33 BRIDGE.

THE CONTRACTOR SHALL NOT BEGIN ANY PAVING OPERATIONS ON PROPOSED MAIN STREET, AND ON PROPOSED SR 833 UNTIL THE PROPOSED MAIN SPAN CABLE STAYED STRUCTURE, AND THE OHIO APPROACH SPAN PAST THE MAIN SPAN ARE BUILT.

CONSTRUCT PROPOSED MAIN STREET, FULL WIDTH, FROM STA. 135+00 TO STA. 148+00 AND 22' MIN. WIDTH FROM STA. 148+00 TO NEAR THE EDGE OF THE PAVEMENT OF EXISTING WEST MAIN STREET. CONSTRUCT PROPOSED SR 833 PART WIDTH BEHIND THE BARRIER ALONG EXISTING WEST MAIN STREET FROM STA. 42+25 TO STA. 53+95.

COMPLETE THE TEMPORARY CONNECTION BETWEEN PROPOSED SR 833 AND PROPOSED MAIN STREET. AT THE PROPOSED INTERSECTION, TEMPORARY PAVING USING ITEM 614, BITUMINOUS CONCRETE FOR MAINTAINING TRAFFIC AND ITEM 615, TEMPORARY PAVEMENT, CLASS A SHALL BE USED TO RAMP TRAFFIC ONTO EXISTING PAVEMENT.

COMPLETE THE PART WIDTH CONSTRUCTION AND PROPOSED TEMPORARY OVERLAY ON PROPOSED MAIN STREET FROM STA. 131+00 TO STA. 135+00. BETWEEN STA. 131+00 AND 135+00 ON PROPOSED MAIN STREET BITUMINOUS CONCRETE MATERIAL SHALL BE USED AS OVERLAY. THE REQUIREMENTS OF 302 SHALL APPLY EXCEPT THE MINIMUM COMPACTED DEPTH OF 4" SHALL BE WAIVED. PAYMENT WILL BE MADE UNDER ITEM 614, BITUMINOUS CONCRETE FOR MAINTAINING TRAFFIC, AS PER PLAN. FOLLOW THE STANDARD DRAWING MT-97.12 FOR PAVING ONE LANE WHILE TRAFFIC IN BOTH DIRECTIONS USES THE OTHER LANE WITH THE HELP OF FLAGGERS.

TRAFFIC ON LIBERTY LANE SHALL BE MAINTAINED AT ALL TIMES WITH A 12' MINIMUM WIDTH OF TRAVELED WAY. FLAGGERS SHALL BE USED DURING THE DAY TO FACILITATE THE MOVEMENT OF TRAFFIC IN AND OUT OF LIBERTY LANE. THE CONSTRUCTION OF LIBERTY LANE SHALL BE COMPLETED WITHIN A 12 HOUR PERIOD FOLLOWING THE SETTING OF THE CONCRETE CURBS AND SIDEWALKS.

PHASE ONE A

BETWEEN STA. 49+00± AND STA. 53+95, SR 833, BITUMINOUS CONCRETE MATERIAL SHALL BE USED AS OVERLAY. THIS WORK SHALL BE DONE IMMEDIATELY PRIOR TO OPENING NEW MAIN STREET TO TRAFFIC FOR PHASE TWO. DURING WORKING HOURS, MAINTAIN ALTERNATING TRAFFIC IN ONE LANE USING FLAGGERS. SHIFT LANES UPWARD AND LEFTWARD WITH EACH LIFT. CONSTRUCT TEMPORARY SHOULDER EMBANKMENT CONCURRENTLY WITH PAVEMENT CONSTRUCTION. PAYMENT FOR THIS WORK WILL BE MADE UNDER ITEM 614, BITUMINOUS CONCRETE FOR MAINTAINING TRAFFIC, AS PER PLAN.

PHASE TWO

SHIFT TRAFFIC ONTO PROPOSED MAIN STREET AND ONTO PROPOSED SR 833 NORTH OF STA. 49+00. MAINTAIN TWO 10' MIN. LANES ON EXISTING WEST MAIN STREET, CONNECTING THE INTERSECTION OF PROPOSED MAIN STREET AND PROPOSED SR 833 WITH THE EXISTING US 33 BRIDGE. LANES SHALL WIDEN AS INDICATED ON THE PLANS. TWO 10' LANES SHALL BE MAINTAINED ON THE EXISTING US 33 BRIDGE AND THE EXISTING TRAFFIC SIGNAL SHALL BE REMOVED. PEDESTRIAN TRAFFIC SHALL BE MAINTAINED ACROSS THE EXISTING BRIDGE.

TRAFFIC ON FLOOD RUN STREET AND EXISTING WEST MAIN STREET SHALL BE SHIFTED AS REQUIRED DURING THIS PHASE, UNTIL THE CONSTRUCTION IS COMPLETED WITHIN THE WORK AREA SHOWN ON THE PLANS.

INSTALL PORTABLE CONCRETE BARRIERS AND DRUMS AS SHOWN ON THE PLANS. CONSTRUCT THE REMAINDER OF PROPOSED MAIN STREET AND THE PROPOSED TURN-AROUND ON EXISTING WEST MAIN STREET, STA. 14+13.89. CONSTRUCT THE REMAINDER OF THE LEFT SIDE OF PROPOSED SR 833 TO THE APPROACH SLAB OF THE FORWARD ABUTMENT. THIS WORK SHALL BE DONE PART-WIDTH TO PROVIDE 32.5' MINIMUM BETWEEN BARRIER FACES. CONSTRUCT THE PROPOSED CURB AND GUTTER AND SIDEWALK ALONG THE RIGHT SIDE OF PROPOSED SR 833 FROM STA. 48+50 TO STA. 53+95.

THE PROPOSED SANITARY LIFT STATION AND THE REMAINDER OF THE PROPOSED SANITARY SEWER CONNECTIONS SHALL BE CONSTRUCTED DURING THIS PHASE. THE PROPOSED LIFT STATION SHALL BE OPERATIONAL PRIOR TO THE REMOVAL OF THE EXISTING LIFT STATION.

PHASE THREE

TRAFFIC SHALL BE MAINTAINED ON COMPLETED PAVEMENT CONSTRUCTED DURING PREVIOUS PHASES, WITH PORTABLE CONCRETE BARRIER AS SHOWN ON THE PLANS. THE PROPOSED SR 833 BRIDGE SHALL CARRY TRAFFIC ON FOUR 12' LANES TO STA. 35+05, TRANSITIONING TO TWO 12' LANES FURTHER TRANSITIONING TO TWO 14.75' LANES AT THE FORWARD ABUTMENT, USING TEMPORARY STRIPING AS SHOWN ON THE PLANS. LANE WIDTHS ON SR 833 APPROACHES SHALL VARY FROM 14.75' TO 13.25' TO 10.0' AS INDICATED ON THE PLANS. PEDESTRIAN TRAFFIC SHALL BE MAINTAINED ACROSS THE PROPOSED SR 833 BRIDGE.

REMAINING WORK, SUCH AS THE RIGHT LANES OF SR 833, FROM THE APPROACH SLAB TO THE INTERSECTION OF SR 833 AND MAIN STREET, SHALL BE COMPLETED DURING THIS PHASE. THE REMAINDER OF THE CONCRETE CURB AND GUTTER ALONG THE RIGHT SIDE OF MAIN STREET AT THE INTERSECTION WITH SR 833 SHALL BE CONSTRUCTED.

DURING A 48 HOUR PERIOD BEGINNING AT 12:00 (MIDNIGHT) FRIDAY NIGHT AND CONTINUING TO 12:00 (MIDNIGHT) SUNDAY NIGHT, THE FOLLOWING WORK AT THE PROPOSED INTERSECTION OF SR 833 AND MAIN STREET SHALL BE ACCOMPLISHED:

1. EXCAVATE EXISTING WEST MAIN STREET TO SUBGRADE LEVEL, REMOVE UNSUITABLE MATERIAL TO A DEPTH OF 1.5' AND BACKFILL.
2. CONSTRUCT THE PAVEMENT TO ITS FINAL GRADE, EXCLUDING THE SURFACE COURSE.
3. REMOVE THE BITUMINOUS CONCRETE FOR MAINTAINING TRAFFIC ON PROPOSED SR 833 BETWEEN STA. 46+07.54 AND STA. 48+73.87. THE AFFECTED AREA SHALL BE REPAIRED TO COMPLY WITH THE PLANS.

THIS WORK SHALL BE PERFORMED USING FLAGGERS AND DRUMS TO MAINTAIN TRAFFIC, IN ACCORDANCE WITH STANDARD DRAWING MT-97.10.

THE EXISTING US 33 BRIDGE SHALL BE DEMOLISHED.

THE PROPOSED TRAFFIC SIGNAL AT THE INTERSECTION OF SR 833 AND MAIN STREET SHALL BE CONSTRUCTED.

PHASE THREE A (NOT SHOWN)

TRAFFIC THROUGH THE INTERSECTION OF PROPOSED SR 833 AND PROPOSED MAIN STREET SHALL BE MAINTAINED BY USE OF FLAGGERS AND DRUMS IN ACCORDANCE WITH STANDARD DRAWING MT-97.10.

THE TRAFFIC ISLAND RIGHT OF STA. 47+51.47 TO STA. 47+72.43, SR 833 SHALL BE CONSTRUCTED.

THE SURFACE COURSE SHALL BE APPLIED TO PROPOSED SR 833 AND PROPOSED MAIN STREET. PROPOSED PAVEMENT MARKINGS SHALL BE PLACED ON THE COMPLETED PAVEMENT SURFACE.

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WEST VIRGINIA:

PHASE 3B

MAINTAIN ONE 11 FOOT (10 FOOT MINIMUM) LANE IN EACH DIRECTION ON THE WEST SIDE OF WV62 USING WVDOH CASE A9 MODIFIED. ALL REMAINING WORK, INCLUDING REMOVAL OF ALL TEMPORARY PAVEMENT ON THE EAST SIDE OF WV62 AND TRAFFIC CONTROL STRIPING, SHALL BE COMPLETED USING FLAGGERS DURING PHASE THREE B.

ITEM 614 - MAINTAINING TRAFFIC

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.
ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

PLACEMENT OF ASPHALT CONCRETE

TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES EXCEPT THAT ONE-WAY TRAFFIC WILL BE PERMITTED FOR MINIMUM PERIODS OF TIME CONSISTENT WITH THE REQUIREMENTS OF THE SPECIFICATIONS FOR PROTECTION OF COMPLETED ASPHALT CONCRETE COURSES.

TRENCH FOR WIDENING

TRENCH EXCAVATION FOR BASE WIDENING SHALL BE ONLY ON ONE SIDE OF THE PAVEMENT AT A TIME. THE OPEN TRENCH SHALL BE ADEQUATELY MAINTAINED AND PROTECTED WITH DRUMS OR BARRICADES AT ALL TIMES. PLACEMENT OF PROPOSED SUBBASE AND BASE MATERIAL SHALL FOLLOW AS CLOSELY AS POSSIBLE BEHIND EXCAVATION OPERATIONS. THE LENGTH OF WIDENING TRENCH WHICH IS OPEN AT ANY ONE TIME SHALL BE HELD TO A MINIMUM AND SHALL AT ALL TIMES BE SUBJECT TO APPROVAL OF THE ENGINEER. REFER TO THE PLAN INSERT SHEET NO. "DROPOFFS IN WORK ZONES" FOR DETAILS.

OVERNIGHT TRENCH CLOSING

THE BASE WIDENING SHALL BE COMPLETED TO A DEPTH OF NO MORE THAN 6 INCHES BELOW THE EXISTING PAVEMENT BY THE END OF EACH WORK DAY. NO TRENCH SHALL BE LEFT OPEN OVERNIGHT EXCEPT FOR A SHORT LENGTH (25 FEET OR LESS) OF A WORK SECTION AT THE END OF THE TRENCH. IN CASE WORK MUST BE SUSPENDED BECAUSE OF INCLEMENT WEATHER OR OTHER REASONS, THE TRENCH FOR THE UNCOMPLETED BASE WIDENING SHALL BE BACKFILLED AT THE DIRECTION OF THE ENGINEER. REFER TO THE PLAN INSERT SHEET NO. "DROPOFFS IN WORK ZONES" FOR DETAILS.

GUARDRAIL REPLACEMENT

NO HAZARD SHALL BE LEFT UNPROTECTED EXCEPT FOR THE ACTUAL TIME NECESSARY TO REMOVE THE EXISTING GUARDRAIL, PREPARE THE SITE, AND INSTALL NEW GUARDRAIL IN A CONTINUOUS OPERATION. THE REMOVAL OF ALL GUARDRAIL SHALL AT ALL TIMES BE AS DIRECTED BY THE ENGINEER. NO GUARDRAIL SHALL BE REMOVED UNTIL THE REPLACEMENT MATERIAL IS ON THE SITE, READY FOR INSTALLATION. FAILURE TO COMPLY WITH THIS REQUIREMENT SHALL BE DEEMED SUFFICIENT CAUSE TO ORDER WORK SUSPENDED UNTIL SUCH TIME AS THE ENGINEER IS ASSURED OF COMPLIANCE.

ITEM 614 - LAW ENFORCEMENT OFFICER (WITH PATROL CAR)

IN ADDITION TO THE REQUIREMENTS OF 614 AND THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD), A UNIFORMED LAW ENFORCEMENT OFFICER (AND OFFICIAL PATROL CAR WITH WORKING TOP MOUNTED EMERGENCY FLASHING LIGHTS) SHALL BE PROVIDED FOR CONTROLLING TRAFFIC FOR THE FOLLOWING TASKS:

FOR LANE CLOSURES: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED.

DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.

DURING A TRAFFIC SIGNAL INSTALLATION.

LAW ENFORCEMENT OFFICERS (L.E.O.'S) SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED. THE LEO'S ARE CONSIDERED TO BE EMPLOYED BY THE CONTRACTOR AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR ACTIONS. ALTHOUGH THEY ARE EMPLOYED BY THE CONTRACTOR, THE PROJECT ENGINEER SHALL HAVE CONTROL OVER THEIR PLACEMENT. THE OFFICIAL PATROL CAR SHALL BE A PUBLIC SAFETY VEHICLE AS REQUIRED BY THE OHIO REVISED CODE. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THESE SERVICES WITH :
POMEROY POLICE DEPARTMENT, 320 EAST MAIN STREET, POMEROY, OHIO 45769
PHONE: 740-992-6411
MEIGS COUNTY SHERIFFS OFFICE, EAST 2ND STREET, POMEROY, OHIO 45769
PHONE: 740-992-3371

LAW ENFORCEMENT OFFICERS (WITH PATROL CAR) REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER ITEM 614 - LAW ENFORCEMENT OFFICER (WITH PATROL CAR). THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR

MASON	24	HOURS
UNINC. (WV)	2	
POMEROY	24	
TOTAL	50	HOURS

THE HOURS PAID SHALL INCLUDE MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED.

IF CONTRACTORS WISH TO UTILIZE LEO'S FOR FLAGGING AND TRAFFIC CONTROL OTHER THAN FOR THAT REQUIRED IN THESE PLANS, THEY MAY DO SO AT THEIR OWN EXPENSE. PAYMENT FOR THE EXCESS ABOVE THE CONTRACT REQUIREMENTS WILL BE INCLUDED UNDER ITEM 614 MAINTAINING TRAFFIC.

DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING QUANTITY HAS BEEN INCLUDED FOR DUST CONTROL PURPOSES:

616, WATER

MASON	24.31 M. GAL.	USE	24 M. GAL.
UNINC. (WV)	0.09 M. GAL.	USE	1 M. GAL.
POMEROY	196.35 M. GAL.	USE	196 M. GAL.
TOTAL			221 M. GAL.

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ITEM SPECIAL - REPLACEMENT SIGN

FLAT SHEET SIGNS FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS AND PROPOSAL WHICH BECOME DAMAGED BY TRAFFIC FOR REASONS BEYOND THE CONTROL TO THE CONTRACTOR SHALL BE REPLACED IN KIND WHEN ORDERED BY THE ENGINEER. REPLACEMENT SIGNS SHALL BE NEW. OTHER MATERIALS MAY BE IN USED BUT GOOD CONDITION SUBJECT TO APPROVAL BY THE ENGINEER.

PAYMENT FOR THE NEW SIGNS SHALL BE MADE AT THE CONTRACT PRICE PER SQUARE FEET FOR ITEM SPECIAL, REPLACEMENT SIGN, AND SHALL INCLUDE THE COST OF REMOVING AND DISPOSING OF DAMAGED SIGNS, HARDWARE AND SUPPORTS, AND PROVIDING THE NECESSARY REPLACEMENT HARDWARE, SUPPORTS, ETC.

THE FOLLOWING QUANTITY HAS BEEN PROVIDED IN THE GENERAL SUMMARY.

ITEM SPECIAL, REPLACEMENT SIGN

MASON	64 SQ. FT.
UNINC. (WV)	16
POMEROY	64
TOTAL	144 SQ. FT.

ITEM SPECIAL - REPLACEMENT DRUM

DRUMS FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS AND PRO-

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ITEM SPECIAL - REPLACEMENT DRUM (CONT'D.)

POSAL WHICH BECOME DAMAGED BY TRAFFIC FOR REASONS BEYOND THE CONTROL OF THE CONTRACTOR SHALL BE REPLACED IN KIND WHEN ORDERED BY THE ENGINEER. REPLACEMENT DRUMS SHALL BE NEW.

PAYMENT FOR THE NEW DRUMS SHALL BE MADE AT THE CONTRACT PRICE PER EACH FOR ITEM SPECIAL, REPLACEMENT DRUM, AND SHALL INCLUDE THE COST OF REMOVING AND DISPOSING OF THE DAMAGED DRUM, AND PROVIDING AND MAINTAINING THE REPLACEMENT DRUM IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS FOR THE ORIGINAL DRUM. THE FOLLOWING QUANTITY HAS BEEN PROVIDED IN THE GENERAL SUMMARY.

ITEM SPECIAL, REPLACEMENT DRUM

MASON	20 EACH
UNINC. (WV)	10
POMEROY	20
TOTAL	50 EACH

ITEM 614 - BARRIER REFLECTORS

BARRIER REFLECTORS SHALL BE INSTALLED ON ALL PORTABLE CONCRETE BARRIER USED FOR TRAFFIC CONTROL. BARRIER REFLECTORS, AND THEIR INSTALLATION SHALL CONFORM TO ITEM 626 EXCEPT THAT THE SPACING SHALL BE 25 FEET.

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ITEM TEMP. ROAD NOT USED

~~TEMPORARY ROAD EARTHWORK~~

~~THE FOLLOWING QUANTITIES HAVE BEEN INCLUDED IN THE PLAN FOR INFORMATION ONLY.~~

~~TEMPORARY EARTHWORK EXCAVATION 862 CU. YDS.~~

~~TEMPORARY EARTHWORK EMBANKMENT 185 CU. YDS.~~

FLOODLIGHTING

FLOODLIGHTING OF THE WORK SITE FOR OPERATIONS CONDUCTED DURING NIGHT TIME PERIODS SHALL BE ACCOMPLISHED SO THAT THE LIGHTS DO NOT CAUSE GLARE TO THE DRIVERS ON THE ROADWAY. TO ENSURE THE ADEQUACY OF THE FLOODLIGHT PLACEMENT, THE CONTRACTOR AND THE ENGINEER SHALL DRIVE THROUGH THE WORK SITE EACH NIGHT WHEN THE LIGHTING IS IN PLACE AND OPERATIVE PRIOR TO COMMENCING ANY WORK. IF GLARE IS DETECTED THE LIGHT PLACEMENT AND SHIELDING SHALL BE ADJUSTED TO THE SATISFACTION OF THE ENGINEER BEFORE WORK PROCEEDS.

PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614 MAINTAINING TRAFFIC.

ITEM SPECIAL, TEMPORARY TRAFFIC SIGNALS (WVDOH)

1. ALL TEMPORARY TRAFFIC SIGNALS SHALL COMPLY WITH THE APPLICABLE DOH STANDARD SPECIFICATIONS (SECTION 660 AND SUBSECTION 715.42) AND THE APPLICABLE DOH STANDARD DRAWINGS (TES SERIES) LISTED ON THE TITLE SHEET.

2. INSTALLATION, MAINTENANCE, AND SUBSEQUENT REMOVAL OF ALL TEMPORARY TRAFFIC SIGNALS, TO INCLUDE TOOLS, EQUIPMENT, SUPPLIES, LABOR AND INCIDENTALS TO COMPLETE THE WORK, SHALL BE BID AS PART OF ITEM SPECIAL, TEMPORARY TRAFFIC SIGNAL (WVDOH), PER LUMP SUM.

3. ELECTRICAL POWER COSTS SHALL BE PAID FOR BY THE CONTRACTOR DURING THE LIFE OF THE PROJECT AS PART OF ITEM SPECIAL, TEMPORARY TRAFFIC SIGNAL (WVDOH).

4. CONTRACTOR SHALL BE ON 24-HOUR CALL IN CASE OF SIGNAL MALFUNCTION IN WHICH CASE THE CONTRACTOR SHALL CONTROL TRAFFIC BY USE OF FLAGGERS UNTIL THE TRAFFIC SIGNAL IS OPERATING CORRECTLY.

TEMPORARY TRAFFIC SIGNAL MAINTENANCE BID AS PART OF ITEM SPECIAL, TEMPORARY TRAFFIC SIGNAL (WVDOH)

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE EXISTING (OR MODIFIED) TRAFFIC SIGNAL SYSTEM IN PLACE FOR THIS PROJECT. THIS RESPONSIBILITY SHALL BEGIN WITH THE INITIALIZATION OF THE WORK AND CONTINUE FOR THE LIFE OF THE CONTRACT. MAINTENANCE SHALL INCLUDE BUT NOT BE LIMITED TO REPAIR OF ACTS OF VANDALISM AS WELL AS NORMAL WEAR AND BURN OUT. ITEMS TO BE MAINTAINED AND/OR REPAIRED SHALL INCLUDE CONTROLLER, CABINETS, DETECTORS, SIGNAL HEADS, SUPPORT POSTS AND ANY OTHER EQUIPMENT OR MISCELLANEOUS ITEMS IN PLACE FOR THIS SIGNAL INSTALLATION. POWER SERVICE COSTS SHALL NOT BE TRANSFERRED TO THE CONTRACTOR UNLESS SO STATED IN THE PLANS.

2. QUESTIONS AS TO THE GENERAL CONDITIONS, TYPE AND MANUFACTURER OF ALL SIGNAL EQUIPMENT MUST BE REFERRED TO THE DIVISION OF HIGHWAYS PRIOR TO BIDDING THIS CONTRACT. PRE-BID INSPECTION OF THE SIGNAL IS RECOMMENDED.

3. THE CONTROL EQUIPMENT, SIGNAL HEADS, AND WIRING SHALL NOT BE CHANGED OR MODIFIED WITHOUT THE APPROVAL OF THE DIVISION OF HIGHWAYS. SIGNAL TIMING INFORMATION WILL BE FURNISHED BY THE DIVISION OF HIGHWAYS AND MAY NOT BE CHANGED OR MODIFIED BY THE CONTRACTOR WITHOUT THE APPROVAL OF THE DIVISION OF HIGHWAYS.

4. IF, DUE TO EQUIPMENT FAILURES OR OTHER REASONS THE SIGNAL MUST BE PUT ON FLASH OR SHUT DOWN, THE CONTRACTOR IS REQUIRED TO FURNISH OR COMPENSATE THE FLAGGERS OR LAW ENFORCEMENT OFFICERS REQUIRED TO CONTROL TRAFFIC. IF THE TRAFFIC CONTROL IS DONE BY CONTRACTOR PERSONNEL AND IS IN LINE WITH THEIR NORMAL WORKING DUTIES, NO COMPENSATION MAY BE REQUIRED. IN NO CASE SHALL THE SIGNAL SYSTEM BE DOWN FOR MORE THAN 24 HOURS, UNLESS APPROVED BY THE ENGINEER OR OTHERWISE STATED IN THE PLANS.

5. IF THE SIGNAL IS NOT REQUIRED FOR A PERIOD GREATER THAN 24 HOURS, DUE TO NORMAL AND NEAR NORMAL TRAFFIC CONDITIONS BEING RESTORED, THE CONTRACTOR MUST COVER THE SIGNAL HEADS AS SPECIFIED IN THE SPECIFICATION SECTION 660.10.

6. WHEN THE CONTRACTOR NO LONGER HAS NEED OF THE TEMPORARY TRAFFIC SIGNAL FOR THE COMPLETION OF HIS WORK, THE SIGNAL EQUIPMENT NO LONGER NECESSARY MUST BE REMOVED AND RETURNED TO THE DIVISION OF HIGHWAYS AS SPECIFIED. THE EQUIPMENT MUST BE CERTIFIED BY THE DIVISION OF HIGHWAYS AS BEING IN GOOD CONDITION.

7. TEMPORARY MODIFICATIONS TO THE TRAFFIC SIGNAL SYSTEM, IF REQUIRED, ARE THE RESPONSIBILITY OF THE CONTRACTOR. RETURN OF THE SIGNAL SYSTEM TO ITS PRE-PROJECT OR PRE/POST PROJECT CONDITION IS ALSO THE RESPONSIBILITY OF THE CONTRACTOR.

ITEM 614 - TEMPORARY IMPACT ATTENUATOR, QUADGUARD CZ [(MODEL NO.), (UNIDIRECTIONAL OR BIDIRECTIONAL)]:

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING A QUADGUARD CZ TEMPORARY IMPACT ATTENUATOR MANUFACTURED BY ENERGY ABSORPTION SYSTEMS, INC., ONE EAST WACKER DRIVE, CHICAGO, IL 60601 (TELEPHONE: 312-467-6750).

INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AS DETAILED ON THE FOLLOWING PRE-APPROVED SHOP DRAWINGS:

DWG. NO.	DRAWING NAME	DWG./ REV. DATE	ODOT APPROVAL DATE
QSCZCVR-T4	QUADGUARD CZ SYSTEM FOR CONSTRUCTION ZONES	5/13/99 Rev. J	8/27/99
35-40-10	QUADGUARD SYSTEM CONCRETE PAD, CZ, QG	11/19/97 Rev. D	8/27/99
35-40-16	QUADGUARD SYSTEM BACKUP ASSEMBLY, CZ, QG	7/30/99 Rev. F	8/27/99
354051Z	QUADGUARD CZ SYSTEM NOSE ASSEMBLY, CZ, QG, 24, 30, 36	5/17/99	8/27/99
35-40-18	TRANSITION ASSEMBLY, 4 OFFSET, QG	6/25/99 Rev. F	8/27/99
35400260	QUADGUARD SYSTEM PCMB ANCHOR ASSEMBLY	11/19/97 Rev. C	8/27/99

THE CONTRACTOR SHALL PROVIDE A REPLACEMENT UNIT WHEN AN IMPACT IS SEVERE ENOUGH TO REQUIRE COMPLETE REPLACEMENT OF THE ATTENUATOR. THE CONTRACTOR SHALL HAVE A SPARE PARTS PACKAGE AVAILABLE ON THE PROJECT SITE AT ALL TIMES WHEN AN ATTENUATOR IS IN PLACE. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF ONE COMPLETE SPARE PARTS PACKAGE FOR EVERY 1 TO 6 UNITS INSTALLED ON THE PROJECT SITE. FOR EXAMPLE, 5 INSTALLED UNITS REQUIRE 1 SPARE PARTS PACKAGE AND 7 INSTALLED UNITS REQUIRE 2 SPARE PARTS PACKAGES.

WHEN BI-DIRECTIONAL DESIGNS ARE SPECIFIED, THE CONTRACTOR SHALL SUPPLY APPROPRIATE TRANSITIONS. PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 614, TEMPORARY IMPACT ATTENUATOR, QUADGUARD CZ [(MODEL NO.), (UNIDIRECTIONAL OR BIDIRECTIONAL)], EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT, MAINTAIN, REPAIR, REPLACE OR RELOCATE A COMPLETE AND FUNCTIONAL IMPACT ATTENUATOR SYSTEM, INCLUDING ALL RELATED BACKUPS, TRANSITIONS, LEVELING PADS, HARDWARE AND GRADING, NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED JGB
CHECKED AM

MAINTENANCE OF TRAFFIC GENERAL NOTES

MEG-33-15.70

ITEM 614 - MAINTAINING TRAFFIC

SEQUENCE OF CONSTRUCTION

OHIO:

FOR OHIO, SEE SHEET 19A

PHASE ONE

THE PROPOSED SANITARY FORCE MAIN BETWEEN THE PROPOSED LIFT STATION AND SR 833 STATION 44+25 +/-, AND BETWEEN STATION 45+13 AND THE END OF PROPOSED SANITARY FORCE MAIN WORK, AND ALL TEMPORARY AND PROPOSED WATER LINES, SHALL BE CONSTRUCTED DURING PHASE ONE. THE EXISTING GRAVITY SEWER SOUTH AND WEST OF THE EXISTING SANITARY LIFT STATION, AS WELL AS THE EXISTING SANITARY FORCE MAIN SHALL REMAIN IN SERVICE. THE PROPOSED SANITARY LIFT STATION SHALL NOT BE BUILT DURING THIS PHASE. FOLLOW STANDARD CONSTRUCTION DRAWING MT-97.12 TO INSTALL PROPOSED SANITARY AND WATER LINES ON EXISTING MAIN STREET. MAINTAIN TRAFFIC ON EXISTING MAIN STREET, SR 833, AND THE EXISTING BRIDGE. BUILD PROPOSED MAIN STREET, AND SR 833 UP TO THE INTERMEDIATE COURSE BETWEEN STA. 136+00 AND STA 48+50 RESPECTIVELY, INCLUDING A PORTION OF SR 833 FROM STA. 45+13 TO THE INTERSECTION AT MAIN STREET. PLACE PORTABLE CONCRETE BARRIER (PCB) AND DRUMS AS SHOWN IN THE PLANS. BUILD TEMPORARY PAVEMENT, CLASS A, BETWEEN STA. 43+11.36 AND STA. 45+13 AS SHOWN IN THE PLANS. THE CONTRACTOR SHALL NOT BEGIN ANY PAVING OPERATIONS ON EXISTING MAIN STREET, NOR ON SR 833 UNTIL THE PROPOSED MAIN SPAN CABLE STAYED STRUCTURE, AND THE FIRST OHIO APPROACH SPAN PAST THE MAIN SPAN ARE BUILT. AS SOON AS THE STRUCTURE IS BUILT, BEGIN PAVING OPERATIONS

BETWEEN STA. 131+00 AND STA. 133+50 ON EXISTING MAIN STREET AT THE SOUTH END, AND BETWEEN STA. 52+00 AND STA. 53+77 ON SR 833 AT THE NORTH END. TEMPORARY PAVING USING ITEM 614, BITUMINOUS CONCRETE FOR MAINTAINING TRAFFIC SHALL BE USED TO RAMP TRAFFIC ON TO EXISTING PAVEMENT. FOLLOW THE PROFILES INCLUDED IN THE MAINTENANCE OF TRAFFIC PLANS. FOLLOW THE STANDARD DRAWING MT-97.12 FOR PAVING ONE LANE WHILE TRAFFIC IN BOTH DIRECTIONS USES THE OTHER LANE WITH THE HELP OF FLAGGERS. AT NO TIME SHALL THE BITUMINOUS OVERLAY ON EXISTING MAIN STREET AND SR 833 BE ABOVE THE GRADE OF THE ADJACENT EMBANKMENT FOR PROPOSED MAIN STREET, AND SR 833 RESPECTIVELY. TEMPORARY PAVEMENT, CLASS A SHALL BE BUILT BETWEEN STA. 130+09.43 AND STA. 131+00.04 AS SHOWN IN THE PLANS. TRAFFIC ON EXISTING MAIN STREET SHALL BE MAINTAINED ON TWO 10' LANES, ONE IN EACH DIRECTION, WITH MINIMUM LANE WIDTHS OF 9' WHERE SHOWN ON PLANS. BUILD THE RETAINING WALL DURING THIS PHASE. ALSO, BUILD A PORTION OF THE PROPOSED SR 833 BEHIND THE PCB ON EXISTING MAIN STREET. PEDESTRIAN TRAFFIC SHALL BE MAINTAINED ACROSS THE EXISTING US 33 BRIDGE DURING PHASE ONE.

TEMPORARY SHEETING SHALL BE PLACED ON ALL THREE SIDES OF THE OPENING IN THE PROPOSED MAIN STREET EMBANKMENT BETWEEN STA. 136+10.99 AND STA. 136+50.99. THIS WILL ALLOW THE EXISTING SANITARY LIFT STATION TO REMAIN OPERATIONAL DURING PHASE ONE.

TRAFFIC ON LIBERTY LANE SHALL BE MAINTAINED AT ALL TIMES WITH A 12' MINIMUM WIDTH OF TRAVELED WAY. FLAGGERS SHALL BE USED DURING THE DAY TO FACILITATE THE MOVEMENT OF TRAFFIC IN AND OUT OF LIBERTY LANE. THE CONSTRUCTION OF LIBERTY LANE SHALL BE COMPLETED WITHIN A 12 HOUR PERIOD FOLLOWING THE CONSTRUCTION OF THE CONCRETE CURBS AND SIDEWALKS.

WEST VIRGINIA:

PHASE ONE

RAMPING SHALL BE PLACED IN THE EXISTING INTERSECTION OF WV 62, WAL-MART ACCESS DRIVE, AND THE EXISTING BRIDGE, USING WVDOH BASE, TWO (2) INCHES TYPE II AND TWO (2) INCHES TYPE I, TO THE ELEVATIONS SHOWN IN THE TEMPORARY RAMP PROFILE. THE MAXIMUM TOTAL LIFTS SHALL BE NO GREATER THAN FOUR (4) INCHES, AND SHALL BE ACCOMPLISHED DURING OFF PEAK HOURS 1:00 AM UNTIL 5:00 AM USING FLAGGERS. TRAFFIC DURING THIS PHASE SHALL USE THE EXISTING INTERSECTION AT WAL-MART ACCESS DRIVE, AS WELL AS, THE EXISTING SIGNAL. A MINIMUM VERTICAL CLEARANCE BETWEEN THE TEMPORARY PAVEMENT AND THE EXISTING SIGNAL OF FIFTEEN (15) FEET SHALL MAINTAINED AT ALL TIMES. THE PROPOSED SIGNAL SHALL BE INSTALLED DURING PHASE ONE, AND IT SHALL BE LINKED TO THE EXISTING SIGNAL, FOR USE DURING PHASE TWO. PEDESTRIAN TRAFFIC SHALL BE MAINTAINED ACROSS THE EXISTING US 33 BRIDGE DURING PHASE ONE.

ONE 11 FOOT (10 FOOT MINIMUM) LANE SHALL BE MAINTAINED IN EACH DIRECTION ON EXISTING WAL-MART ACCESS DRIVE AND ON WV 62. DRUMS AND PORTABLE CONCRETE BARRIER SHALL BE PLACED AS SHOWN IN THE PHASE ONE PLANS.

THE PROPOSED WAL-MART ACCESS DRIVE SHALL BE BUILT AS SHOWN IN THE PLANS. PORTIONS OF THE PROPOSED WAL-MART ACCESS DRIVE THAT OVERLAP WITH THE EXISTING DRIVE SHALL BE BUILT UNDER TRAFFIC UTILIZING FLAGGERS. TRAFFIC SHALL UTILIZE THE EXISTING INTERSECTION. THE SIGNAL PHASING FOR THE EXISTING SIGNAL SHALL BE ADJUSTED TO ALLOW FOR ALL TURNING MOVEMENTS FROM ONLY ONE LANE IN EACH DIRECTION ON WV 62. ALL LANES SHALL REMAIN OPEN ON THE EXISTING BRIDGE. PEDESTRIAN ACCESS SHALL BE MAINTAINED AT ALL TIMES ON THE EXISTING BRIDGE. PROPOSED DRAINAGE AND UTILITY WORK WITHIN THE WORK AREA SHALL BE PERFORMED DURING THIS PHASE.

OHIO:

PHASE TWO

SHIFT TRAFFIC ON TO PROPOSED MAIN STREET AND PROPOSED SR 833. THE EXISTING BRIDGE SHALL BE OPEN TO TRAFFIC DURING THIS PHASE. MAINTAIN TWO 10' LANES ON PROPOSED MAIN STREET, AND PROPOSED SR 833. LANES WIDEN TO 12' AS SHOWN IN THE PLANS. THE TEMPORARY CONNECTION BETWEEN EXISTING MAIN STREET AND PROPOSED SR 833 SHALL BE USED BY TRAFFIC TO ACCESS THE EXISTING BRIDGE. TWO 13.5' LANES SHALL BE MAINTAINED ON THE TEMPORARY CONNECTION, AND TWO 10' LANES SHALL BE MAINTAINED ON EXISTING MAIN STREET AND THE EXISTING BRIDGE. THE EXISTING SIGNAL SHALL BE REMOVED. THE PROPOSED SIGNAL AT THE INTERSECTION OF PROPOSED MAIN STREET AND PROPOSED SR 833 SHALL BE OPERATIONAL AND BE ADJUSTED TO ACCOMMODATE THE TRAFFIC PATTERNS. REMOVE THE TEMPORARY BITUMINOUS MATERIAL PLACED ON EXISTING MAIN STREET AND ON EXISTING SR 833 DURING PHASE ONE. PLACE PCB AND DRUMS AS SHOWN IN THE PLANS. BUILD THE REMAINDER OF MAIN STREET AND SR 833 BEHIND THE PCB AS SHOWN ON THE PLANS. THE OHIO APPROACH SPAN AT THE FORWARD ABUTMENT SHALL BE BUILT USING PART WIDTH CONSTRUCTION ON THE LEFT, AS SHOWN IN THE PLANS TO ACCOMMODATE TWO 13.5' LANES OF TRAFFIC DURING THE NEXT PHASE. SEE THE STRUCTURAL PLANS FOR CONSTRUCTION JOINT LOCATIONS ON THE APPROACH STRUCTURE. PEDESTRIAN TRAFFIC SHALL NOT BE MAINTAINED ACROSS THE EXISTING US 33 BRIDGE. TRAFFIC ON FLOOD RUN STREET AND WEST MAIN STREET SHALL BE SHIFTED AS NEEDED DURING PHASE TWO UNTIL CONSTRUCTION IS COMPLETED WITHIN THE WORK AREA AS SHOWN IN THE PLANS. THE PROPOSED SANITARY LIFT STATION SHALL BE CONSTRUCTED AND THE REMAINDER OF THE PROPOSED SANITARY SEWER CONNECTIONS SHALL BE MADE DURING THIS PHASE. THE PROPOSED LIFT STATION SHALL BE OPERATIONAL PRIOR TO THE REMOVAL OF THE EXISTING LIFT STATION. THE TEMPORARY SHEETING BETWEEN STA. 136+10.99 AND STA. 136+50.99 SHALL BE REMOVED. CONSTRUCTION OF THE EMBANKMENT, AND PAVEMENT TO THE ELEVATION OF THE INTERMEDIATE COURSE, SHALL BE COMPLETED.

WEST VIRGINIA:

PHASE TWO

TRAFFIC SHALL BE MAINTAINED USING WVDOH CASE A9 MODIFIED, AS SHOWN IN THE PHASE TWO PLANS. THE PROPOSED SIGNAL LINKED TO THE EXISTING SIGNAL SHALL BE USED TO MAINTAIN TRAFFIC FOR THE OFFSET INTERSECTION.

MAINTAIN ONE 11 FOOT (10 FOOT MINIMUM) LANE IN EACH DIRECTION ON WV62, THE EXISTING BRIDGE, AND THE NEW WAL-MART ACCESS DRIVE.

PLACE DRUMS AS SHOWN IN THE PLANS. PROPOSED WORK SHALL BE ON THE WEST SIDE OF WV62, INCLUDING DRAINAGE AND UTILITIES, WITHIN THE LIMITS SHOWN IN THE PHASE TWO PLANS. THE EXISTING WAL-MART ACCESS DRIVE AND THE TEMPORARY 15" PIPE SHALL BE REMOVED, WHILE THE REMAINING PROPOSED DRAINAGE IS COMPLETED.

OHIO:

PHASE THREE A

APPLY SURFACE COURSE ON PROPOSED MAIN STREET AND PROPOSED SR 833. PROPOSED PAVEMENT MARKINGS SHALL BE PLACED ON THE COMPLETED PAVEMENT SURFACE. TRAFFIC SHALL BE MAINTAINED ON COMPLETED PAVEMENT CONSTRUCTED DURING PREVIOUS PHASES, WITH DRUMS AND PORTABLE CONCRETE BARRIER, AS SHOWN IN THE PLANS. ALL REMAINING WORK, SUCH AS THE FORWARD ABUTMENT AND ITS BRIDGE APPROACH SPAN, AND THE RIGHT LANES ON PROPOSED SR 833 "J-HOOK" SHALL BE COMPLETED DURING THIS PHASE. ALL TEMPORARY PAVEMENT SHALL BE REMOVED, AND AFFECTED AREAS SHALL BE REPAIRED TO COMPLY WITH THE PLANS. THE PROPOSED SR 833 BRIDGE SHALL CARRY ALL TRAFFIC ON TWO 13.5' LANES THRU THE "J-HOOK", AND TRANSITION TO 4 - 12' LANES ON THE BRIDGE. PEDESTRIAN TRAFFIC SHALL NOT BE MAINTAINED ACROSS THE PROPOSED BRIDGE DURING THIS PHASE. THE EXISTING BRIDGE SHALL BE DEMOLISHED DURING THIS PHASE.

WEST VIRGINIA:

PHASE 3A

TRAFFIC SHALL BE MAINTAINED USING PORTABLE CONCRETE BARRIER AND DRUMS AS SHOWN IN THE PLANS WHILE MAINTAINING TRAFFIC USING WVDOH CASE A9 MODIFIED. MAINTAIN ONE 11 FOOT (10 FOOT MINIMUM) LANE IN EACH DIRECTION ON WV62 AND THE NEW WAL-MART ACCESS DRIVE. MAINTAIN TRAFFIC ON THE PROPOSED BRIDGE AS SHOWN IN THE PLANS. THE PROPOSED SIGNAL SHALL BE IN USE DURING THIS PHASE. THE TEMPORARY PAVEMENT SHALL BE REMOVED AND PROPOSED PAVEMENT BUILT ON THE WEST SIDE OF WV62, WHILE PAVEMENT OVERLAY IS CONSTRUCTED BETWEEN WV62 STATIONS 205+00 AND 207+00 USING FLAGGERS. MAINTAIN ONE 11 FOOT (10 FOOT MINIMUM) LANE IN EACH DIRECTION ON THE EAST SIDE OF WV62 USING WVDOH CASE A9 MODIFIED.

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ITEM 614 - MAINTAINING TRAFFIC

SEQUENCE OF CONSTRUCTION

OHIO:

PHASE ONE

CONSTRUCTION OF THE PROPOSED SANITARY FORCE MAIN BETWEEN THE PROPOSED LIFT STATION AND THE END OF PROPOSED SANITARY FORCE MAIN WORK, AS WELL AS ALL TEMPORARY AND PROPOSED WATER LINES SHALL BE PERFORMED DURING PHASE ONE. THE EXISTING GRAVITY SEWER SOUTH AND WEST OF THE EXISTING SANITARY LIFT STATION, AS WELL AS THE EXISTING SANITARY FORCE MAIN SHALL REMAIN IN SERVICE. THE PROPOSED SANITARY LIFT STATION SHALL NOT BE BUILT DURING THIS PHASE. FOLLOW STANDARD CONSTRUCTION DRAWING MT-97.12 TO INSTALL PROPOSED SANITARY AND WATER LINES ON EXISTING WEST MAIN STREET.

MAINTAIN TRAFFIC ON EXISTING WEST MAIN STREET AND THE EXISTING BRIDGE. INSTALL PORTABLE CONCRETE BARRIERS AND DRUMS AS SHOWN ON THE PLANS.

TRAFFIC ON EXISTING WEST MAIN STREET AND EXISTING US 33 SHALL BE MAINTAINED ON TWO 10' LANES, ONE IN EACH DIRECTION, WITH MINIMUM LANE WIDTHS OF 9' WHERE SHOWN ON PLANS. PEDESTRIAN TRAFFIC SHALL BE MAINTAINED ACROSS THE EXISTING US 33 BRIDGE.

THE CONTRACTOR SHALL NOT BEGIN ANY PAVING OPERATIONS ON PROPOSED MAIN STREET, AND ON PROPOSED SR 833 UNTIL THE PROPOSED MAIN SPAN CABLE STAYED STRUCTURE, AND THE OHIO APPROACH SPAN PAST THE MAIN SPAN ARE BUILT.

CONSTRUCT PROPOSED MAIN STREET, FULL WIDTH, FROM STA. 135+00 TO STA. 148+00 AND 22' MIN. WIDTH FROM STA. 148+00 TO NEAR THE EDGE OF THE PAVEMENT OF EXISTING WEST MAIN STREET. CONSTRUCT PROPOSED SR 833 PART WIDTH BEHIND THE BARRIER ALONG EXISTING WEST MAIN STREET FROM STA. 42+25 TO STA. 53+95.

COMPLETE THE TEMPORARY CONNECTION BETWEEN PROPOSED SR 833 AND PROPOSED MAIN STREET. AT THE PROPOSED INTERSECTION, TEMPORARY PAVING USING ITEM 614, BITUMINOUS CONCRETE FOR MAINTAINING TRAFFIC AND ITEM 615, TEMPORARY PAVEMENT, CLASS A SHALL BE USED TO RAMP TRAFFIC ONTO EXISTING PAVEMENT.

COMPLETE THE PART WIDTH CONSTRUCTION AND PROPOSED TEMPORARY OVERLAY ON PROPOSED MAIN STREET FROM STA. 131+00 TO STA. 135+00. BETWEEN STA. 131+00 AND 135+00 ON PROPOSED MAIN STREET BITUMINOUS CONCRETE MATERIAL SHALL BE USED AS OVERLAY. THE REQUIREMENTS OF 302 SHALL APPLY EXCEPT THE MINIMUM COMPACTED DEPTH OF 4" SHALL BE WAIVED. PAYMENT WILL BE MADE UNDER ITEM 614, BITUMINOUS CONCRETE FOR MAINTAINING TRAFFIC, AS PER PLAN. FOLLOW THE STANDARD DRAWING MT-97.12 FOR PAVING ONE LANE WHILE TRAFFIC IN BOTH DIRECTIONS USES THE OTHER LANE WITH THE HELP OF FLAGGERS.

TRAFFIC ON LIBERTY LANE SHALL BE MAINTAINED AT ALL TIMES WITH A 12' MINIMUM WIDTH OF TRAVELED WAY. FLAGGERS SHALL BE USED DURING THE DAY TO FACILITATE THE MOVEMENT OF TRAFFIC IN AND OUT OF LIBERTY LANE. THE CONSTRUCTION OF LIBERTY LANE SHALL BE COMPLETED WITHIN A 12 HOUR PERIOD FOLLOWING THE SETTING OF THE CONCRETE CURBS AND SIDEWALKS.

PHASE ONE A

BETWEEN STA. 49+00± AND STA. 53+95, SR 833, BITUMINOUS CONCRETE MATERIAL SHALL BE USED AS OVERLAY. THIS WORK SHALL BE DONE IMMEDIATELY PRIOR TO OPENING NEW MAIN STREET TO TRAFFIC FOR PHASE TWO. DURING WORKING HOURS, MAINTAIN ALTERNATING TRAFFIC IN ONE LANE USING FLAGGERS. SHIFT LANES UPWARD AND LEFTWARD WITH EACH LIFT. CONSTRUCT TEMPORARY SHOULDER EMBANKMENT CONCURRENTLY WITH PAVEMENT CONSTRUCTION. PAYMENT FOR THIS WORK WILL BE MADE UNDER ITEM 614, BITUMINOUS CONCRETE FOR MAINTAINING TRAFFIC, AS PER PLAN.

PHASE TWO

SHIFT TRAFFIC ONTO PROPOSED MAIN STREET AND ONTO PROPOSED SR 833 NORTH OF STA. 49+00. MAINTAIN TWO 10' MIN. LANES ON EXISTING WEST MAIN STREET, CONNECTING THE INTERSECTION OF PROPOSED MAIN STREET AND PROPOSED SR 833 WITH THE EXISTING US 33 BRIDGE. LANES SHALL WIDEN AS INDICATED ON THE PLANS. TWO 10' LANES SHALL BE MAINTAINED ON THE EXISTING US 33 BRIDGE AND THE EXISTING TRAFFIC SIGNAL SHALL BE REMOVED. PEDESTRIAN TRAFFIC SHALL BE MAINTAINED ACROSS THE EXISTING BRIDGE.

TRAFFIC ON FLOOD RUN STREET AND EXISTING WEST MAIN STREET SHALL BE SHIFTED AS REQUIRED DURING THIS PHASE, UNTIL THE CONSTRUCTION IS COMPLETED WITHIN THE WORK AREA SHOWN ON THE PLANS.

INSTALL PORTABLE CONCRETE BARRIERS AND DRUMS AS SHOWN ON THE PLANS. CONSTRUCT THE REMAINDER OF PROPOSED MAIN STREET AND THE PROPOSED TURN-AROUND ON EXISTING WEST MAIN STREET, STA. 14+13.89. CONSTRUCT THE REMAINDER OF THE LEFT SIDE OF PROPOSED SR 833 TO THE APPROACH SLAB OF THE FORWARD ABUTMENT. THIS WORK SHALL BE DONE PART-WIDTH TO PROVIDE 32.5' MINIMUM BETWEEN BARRIER FACES. CONSTRUCT THE PROPOSED CURB AND GUTTER AND SIDEWALK ALONG THE RIGHT SIDE OF PROPOSED SR 833 FROM STA. 48+50 TO STA. 53+95.

THE PROPOSED SANITARY LIFT STATION AND THE REMAINDER OF THE PROPOSED SANITARY SEWER CONNECTIONS SHALL BE CONSTRUCTED DURING THIS PHASE. THE PROPOSED LIFT STATION SHALL BE OPERATIONAL PRIOR TO THE REMOVAL OF THE EXISTING LIFT STATION.

PHASE THREE

TRAFFIC SHALL BE MAINTAINED ON COMPLETED PAVEMENT CONSTRUCTED DURING PREVIOUS PHASES, WITH PORTABLE CONCRETE BARRIER AS SHOWN ON THE PLANS. THE PROPOSED SR 833 BRIDGE SHALL CARRY TRAFFIC ON FOUR 12' LANES TO STA. 35+05, TRANSITIONING TO TWO 12' LANES FURTHER TRANSITIONING TO TWO 14.75' LANES AT THE FORWARD ABUTMENT, USING TEMPORARY STRIPING AS SHOWN ON THE PLANS. LANE WIDTHS ON SR 833 APPROACHES SHALL VARY FROM 14.75' TO 13.25' TO 10.0' AS INDICATED ON THE PLANS. PEDESTRIAN TRAFFIC SHALL BE MAINTAINED ACROSS THE PROPOSED SR 833 BRIDGE.

REMAINING WORK, SUCH AS THE RIGHT LANES OF SR 833, FROM THE APPROACH SLAB TO THE INTERSECTION OF SR 833 AND MAIN STREET, SHALL BE COMPLETED DURING THIS PHASE. THE REMAINDER OF THE CONCRETE CURB AND GUTTER ALONG THE RIGHT SIDE OF MAIN STREET AT THE INTERSECTION WITH SR 833 SHALL BE CONSTRUCTED.

DURING A 48 HOUR PERIOD BEGINNING AT 12:00 (MIDNIGHT) FRIDAY NIGHT AND CONTINUING TO 12:00 (MIDNIGHT) SUNDAY NIGHT, THE FOLLOWING WORK AT THE PROPOSED INTERSECTION OF SR 833 AND MAIN STREET SHALL BE ACCOMPLISHED:

1. EXCAVATE EXISTING WEST MAIN STREET TO SUBGRADE LEVEL, REMOVE UNSUITABLE MATERIAL TO A DEPTH OF 1.5' AND BACKFILL.
2. CONSTRUCT THE PAVEMENT TO ITS FINAL GRADE, EXCLUDING THE SURFACE COURSE.
3. REMOVE THE BITUMINOUS CONCRETE FOR MAINTAINING TRAFFIC ON PROPOSED SR 833 BETWEEN STA. 46+07.54 AND STA. 48+73.87. THE AFFECTED AREA SHALL BE REPAIRED TO COMPLY WITH THE PLANS.

THIS WORK SHALL BE PERFORMED USING FLAGGERS AND DRUMS TO MAINTAIN TRAFFIC, IN ACCORDANCE WITH STANDARD DRAWING MT-97.10.

THE EXISTING US 33 BRIDGE SHALL BE DEMOLISHED.

THE PROPOSED TRAFFIC SIGNAL AT THE INTERSECTION OF SR 833 AND MAIN STREET SHALL BE CONSTRUCTED.

PHASE THREE A (NOT SHOWN)

TRAFFIC THROUGH THE INTERSECTION OF PROPOSED SR 833 AND PROPOSED MAIN STREET SHALL BE MAINTAINED BY USE OF FLAGGERS AND DRUMS IN ACCORDANCE WITH STANDARD DRAWING MT-97.10.

THE TRAFFIC ISLAND RIGHT OF STA. 47+51.47 TO STA. 47+72.43, SR 833 SHALL BE CONSTRUCTED.

THE SURFACE COURSE SHALL BE APPLIED TO PROPOSED SR 833 AND PROPOSED MAIN STREET. PROPOSED PAVEMENT MARKINGS SHALL BE PLACED ON THE COMPLETED PAVEMENT SURFACE.

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1	5/05	SCC	OHIO REALIGNMENT

CALCULATED SJ
CHECKED REF

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WEST VIRGINIA:

PHASE 3B

MAINTAIN ONE 11 FOOT (10 FOOT MINIMUM) LANE IN EACH DIRECTION ON THE WEST SIDE OF WV62 USING WVDOH CASE A9 MODIFIED. ALL REMAINING WORK, INCLUDING REMOVAL OF ALL TEMPORARY PAVEMENT ON THE EAST SIDE OF WV62 AND TRAFFIC CONTROL STRIPING, SHALL BE COMPLETED USING FLAGGERS DURING PHASE THREE B.

ITEM 614 - MAINTAINING TRAFFIC

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.
ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

PLACEMENT OF ASPHALT CONCRETE

TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES EXCEPT THAT ONE-WAY TRAFFIC WILL BE PERMITTED FOR MINIMUM PERIODS OF TIME CONSISTENT WITH THE REQUIREMENTS OF THE SPECIFICATIONS FOR PROTECTION OF COMPLETED ASPHALT CONCRETE COURSES.

TRENCH FOR WIDENING

TRENCH EXCAVATION FOR BASE WIDENING SHALL BE ONLY ON ONE SIDE OF THE PAVEMENT AT A TIME. THE OPEN TRENCH SHALL BE ADEQUATELY MAINTAINED AND PROTECTED WITH DRUMS OR BARRICADES AT ALL TIMES. PLACEMENT OF PROPOSED SUBBASE AND BASE MATERIAL SHALL FOLLOW AS CLOSELY AS POSSIBLE BEHIND EXCAVATION OPERATIONS. THE LENGTH OF WIDENING TRENCH WHICH IS OPEN AT ANY ONE TIME SHALL BE HELD TO A MINIMUM AND SHALL AT ALL TIMES BE SUBJECT TO APPROVAL OF THE ENGINEER. REFER TO THE PLAN INSERT SHEET NO. "DROPOFFS IN WORK ZONES" FOR DETAILS.

OVERNIGHT TRENCH CLOSING

THE BASE WIDENING SHALL BE COMPLETED TO A DEPTH OF NO MORE THAN 6 INCHES BELOW THE EXISTING PAVEMENT BY THE END OF EACH WORK DAY. NO TRENCH SHALL BE LEFT OPEN OVERNIGHT EXCEPT FOR A SHORT LENGTH (25 FEET OR LESS) OF A WORK SECTION AT THE END OF THE TRENCH. IN CASE WORK MUST BE SUSPENDED BECAUSE OF INCLEMENT WEATHER OR OTHER REASONS, THE TRENCH FOR THE UNCOMPLETED BASE WIDENING SHALL BE BACKFILLED AT THE DIRECTION OF THE ENGINEER. REFER TO THE PLAN INSERT SHEET NO. "DROPOFFS IN WORK ZONES" FOR DETAILS.

GUARDRAIL REPLACEMENT

NO HAZARD SHALL BE LEFT UNPROTECTED EXCEPT FOR THE ACTUAL TIME NECESSARY TO REMOVE THE EXISTING GUARDRAIL, PREPARE THE SITE, AND INSTALL NEW GUARDRAIL IN A CONTINUOUS OPERATION. THE REMOVAL OF ALL GUARDRAIL SHALL AT ALL TIMES BE AS DIRECTED BY THE ENGINEER. NO GUARDRAIL SHALL BE REMOVED UNTIL THE REPLACEMENT MATERIAL IS ON THE SITE, READY FOR INSTALLATION. FAILURE TO COMPLY WITH THIS REQUIREMENT SHALL BE DEEMED SUFFICIENT CAUSE TO ORDER WORK SUSPENDED UNTIL SUCH TIME AS THE ENGINEER IS ASSURED OF COMPLIANCE.

ITEM 614 - LAW ENFORCEMENT OFFICER (WITH PATROL CAR)

IN ADDITION TO THE REQUIREMENTS OF 614 AND THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD), A UNIFORMED LAW ENFORCEMENT OFFICER (AND OFFICIAL PATROL CAR WITH WORKING TOP MOUNTED EMERGENCY FLASHING LIGHTS) SHALL BE PROVIDED FOR CONTROLLING TRAFFIC FOR THE FOLLOWING TASKS:

FOR LANE CLOSURES: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED.

DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.

DURING A TRAFFIC SIGNAL INSTALLATION.
LAW ENFORCEMENT OFFICERS (L.E.O.'S) SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED. THE LEO'S ARE CONSIDERED TO BE EMPLOYED BY THE CONTRACTOR AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR ACTIONS. ALTHOUGH THEY ARE EMPLOYED BY THE CONTRACTOR, THE PROJECT ENGINEER SHALL HAVE CONTROL OVER THEIR PLACEMENT. THE OFFICIAL PATROL CAR SHALL BE A PUBLIC SAFETY VEHICLE AS REQUIRED BY THE OHIO REVISED CODE. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THESE SERVICES WITH :
POMEROY POLICE DEPARTMENT, 320 EAST MAIN STREET, POMEROY, OHIO 45769
PHONE: 740-992-6411
MEIGS COUNTY SHERIFFS OFFICE, EAST 2ND STREET, POMEROY, OHIO 45769
PHONE: 740-992-3371

LAW ENFORCEMENT OFFICERS (WITH PATROL CAR) REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER ITEM 614 - LAW ENFORCEMENT OFFICER (WITH PATROL CAR). THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR

MASON	24	HOURS
UNINC. (WV)	2	
POMEROY	24	
TOTAL	50	HOURS

THE HOURS PAID SHALL INCLUDE MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED.

IF CONTRACTORS WISH TO UTILIZE LEO'S FOR FLAGGING AND TRAFFIC CONTROL OTHER THAN FOR THAT REQUIRED IN THESE PLANS, THEY MAY DO SO AT THEIR OWN EXPENSE. PAYMENT FOR THE EXCESS ABOVE THE CONTRACT REQUIREMENTS WILL BE INCLUDED UNDER ITEM 614 MAINTAINING TRAFFIC.

DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING QUANTITY HAS BEEN INCLUDED FOR DUST CONTROL PURPOSES:

616, WATER

MASON	24.31 M. GAL.	USE	24 M. GAL.	
UNINC. (WV)	0.09 M. GAL.	USE	1 M. GAL.	
POMEROY	196.35 M. GAL.	USE	196 M. GAL.	1
TOTAL			221 M. GAL.	

ITEM SPECIAL - REPLACEMENT SIGN

FLAT SHEET SIGNS FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS AND PROPOSAL WHICH BECOME DAMAGED BY TRAFFIC FOR REASONS BEYOND THE CONTROL TO THE CONTRACTOR SHALL BE REPLACED IN KIND WHEN ORDERED BY THE ENGINEER. REPLACEMENT SIGNS SHALL BE NEW. OTHER MATERIALS MAY BE IN USED BUT GOOD CONDITION SUBJECT TO APPROVAL BY THE ENGINEER.

PAYMENT FOR THE NEW SIGNS SHALL BE MADE AT THE CONTRACT PRICE PER SQUARE FEET FOR ITEM SPECIAL, REPLACEMENT SIGN, AND SHALL INCLUDE THE COST OF REMOVING AND DISPOSING OF DAMAGED SIGNS, HARDWARE AND SUPPORTS, AND PROVIDING THE NECESSARY REPLACEMENT HARDWARE, SUPPORTS, ETC.

THE FOLLOWING QUANTITY HAS BEEN PROVIDED IN THE GENERAL SUMMARY.

ITEM SPECIAL, REPLACEMENT SIGN

MASON	64 SQ. FT.
UNINC. (WV)	16
POMEROY	64
TOTAL	144 SQ. FT.

ITEM SPECIAL - REPLACEMENT DRUM

DRUMS FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS AND PRO-

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED JGB
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ITEM SPECIAL - REPLACEMENT DRUM (CONT'D.)

POSAL WHICH BECOME DAMAGED BY TRAFFIC FOR REASONS BEYOND THE CONTROL OF THE CONTRACTOR SHALL BE REPLACED IN KIND WHEN ORDERED BY THE ENGINEER. REPLACEMENT DRUMS SHALL BE NEW.

PAYMENT FOR THE NEW DRUMS SHALL BE MADE AT THE CONTRACT PRICE PER EACH FOR ITEM SPECIAL, REPLACEMENT DRUM, AND SHALL INCLUDE THE COST OF REMOVING AND DISPOSING OF THE DAMAGED DRUM, AND PROVIDING AND MAINTAINING THE REPLACEMENT DRUM IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS FOR THE ORIGINAL DRUM. THE FOLLOWING QUANTITY HAS BEEN PROVIDED IN THE GENERAL SUMMARY.

ITEM SPECIAL, REPLACEMENT DRUM

MASON	20 EACH
UNINC. (WV)	10
POMEROY	20
TOTAL	50 EACH

ITEM 614 - BARRIER REFLECTORS

BARRIER REFLECTORS SHALL BE INSTALLED ON ALL PORTABLE CONCRETE BARRIER USED FOR TRAFFIC CONTROL. BARRIER REFLECTORS, AND THEIR INSTALLATION SHALL CONFORM TO ITEM 626 EXCEPT THAT THE SPACING SHALL BE 25 FEET.

1

ITEM TEMP. ROAD NOT USED

~~TEMPORARY ROAD EARTHWORK~~

~~THE FOLLOWING QUANTITIES HAVE BEEN INCLUDED IN THE PLAN FOR INFORMATION ONLY.~~

~~TEMPORARY EARTHWORK EXCAVATION 862 CU. YDS.~~

~~TEMPORARY EARTHWORK EMBANKMENT 185 CU. YDS.~~

FLOODLIGHTING

FLOODLIGHTING OF THE WORK SITE FOR OPERATIONS CONDUCTED DURING NIGHT TIME PERIODS SHALL BE ACCOMPLISHED SO THAT THE LIGHTS DO NOT CAUSE GLARE TO THE DRIVERS ON THE ROADWAY. TO ENSURE THE ADEQUACY OF THE FLOODLIGHT PLACEMENT, THE CONTRACTOR AND THE ENGINEER SHALL DRIVE THROUGH THE WORK SITE EACH NIGHT WHEN THE LIGHTING IS IN PLACE AND OPERATIVE PRIOR TO COMMENCING ANY WORK. IF GLARE IS DETECTED THE LIGHT PLACEMENT AND SHIELDING SHALL BE ADJUSTED TO THE SATISFACTION OF THE ENGINEER BEFORE WORK PROCEEDS.

PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614 MAINTAINING TRAFFIC.

ITEM SPECIAL, TEMPORARY TRAFFIC SIGNALS (WVDOH)

1. ALL TEMPORARY TRAFFIC SIGNALS SHALL COMPLY WITH THE APPLICABLE DOH STANDARD SPECIFICATIONS (SECTION 660 AND SUBSECTION 715.42) AND THE APPLICABLE DOH STANDARD DRAWINGS (TES SERIES) LISTED ON THE TITLE SHEET.

2. INSTALLATION, MAINTENANCE, AND SUBSEQUENT REMOVAL OF ALL TEMPORARY TRAFFIC SIGNALS, TO INCLUDE TOOLS, EQUIPMENT, SUPPLIES, LABOR AND INCIDENTALS TO COMPLETE THE WORK, SHALL BE BID AS PART OF ITEM SPECIAL, TEMPORARY TRAFFIC SIGNAL (WVDOH), PER LUMP SUM.

3. ELECTRICAL POWER COSTS SHALL BE PAID FOR BY THE CONTRACTOR DURING THE LIFE OF THE PROJECT AS PART OF ITEM SPECIAL, TEMPORARY TRAFFIC SIGNAL (WVDOH).

4. CONTRACTOR SHALL BE ON 24-HOUR CALL IN CASE OF SIGNAL MALFUNCTION IN WHICH CASE THE CONTRACTOR SHALL CONTROL TRAFFIC BY USE OF FLAGGERS UNTIL THE TRAFFIC SIGNAL IS OPERATING CORRECTLY.

TEMPORARY TRAFFIC SIGNAL MAINTENANCE BID AS PART OF ITEM SPECIAL, TEMPORARY TRAFFIC SIGNAL (WVDOH)

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE EXISTING (OR MODIFIED) TRAFFIC SIGNAL SYSTEM IN PLACE FOR THIS PROJECT. THIS RESPONSIBILITY SHALL BEGIN WITH THE INITIALIZATION OF THE WORK AND CONTINUE FOR THE LIFE OF THE CONTRACT. MAINTENANCE SHALL INCLUDE BUT NOT BE LIMITED TO REPAIR OF ACTS OF VANDALISM AS WELL AS NORMAL WEAR AND BURN OUT. ITEMS TO BE MAINTAINED AND/OR REPAIRED SHALL INCLUDE CONTROLLER, CABINETS, DETECTORS, SIGNAL HEADS, SUPPORT POSTS AND ANY OTHER EQUIPMENT OR MISCELLANEOUS ITEMS IN PLACE FOR THIS SIGNAL INSTALLATION. POWER SERVICE COSTS SHALL NOT BE TRANSFERRED TO THE CONTRACTOR UNLESS SO STATED IN THE PLANS.

2. QUESTIONS AS TO THE GENERAL CONDITIONS, TYPE AND MANUFACTURER OF ALL SIGNAL EQUIPMENT MUST BE REFERRED TO THE DIVISION OF HIGHWAYS PRIOR TO BIDDING THIS CONTRACT. PRE-BID INSPECTION OF THE SIGNAL IS RECOMMENDED.

3. THE CONTROL EQUIPMENT, SIGNAL HEADS, AND WIRING SHALL NOT BE CHANGED OR MODIFIED WITHOUT THE APPROVAL OF THE DIVISION OF HIGHWAYS. SIGNAL TIMING INFORMATION WILL BE FURNISHED BY THE DIVISION OF HIGHWAYS AND MAY NOT BE CHANGED OR MODIFIED BY THE CONTRACTOR WITHOUT THE APPROVAL OF THE DIVISION OF HIGHWAYS.

4. IF, DUE TO EQUIPMENT FAILURES OR OTHER REASONS THE SIGNAL MUST BE PUT ON FLASH OR SHUT DOWN, THE CONTRACTOR IS REQUIRED TO FURNISH OR COMPENSATE THE FLAGGERS OR LAW ENFORCEMENT OFFICERS REQUIRED TO CONTROL TRAFFIC. IF THE TRAFFIC CONTROL IS DONE BY CONTRACTOR PERSONNEL AND IS IN LINE WITH THEIR NORMAL WORKING DUTIES, NO COMPENSATION MAY BE REQUIRED. IN NO CASE SHALL THE SIGNAL SYSTEM BE DOWN FOR MORE THAN 24 HOURS, UNLESS APPROVED BY THE ENGINEER OR OTHERWISE STATED IN THE PLANS.

5. IF THE SIGNAL IS NOT REQUIRED FOR A PERIOD GREATER THAN 24 HOURS, DUE TO NORMAL AND NEAR NORMAL TRAFFIC CONDITIONS BEING RESTORED, THE CONTRACTOR MUST COVER THE SIGNAL HEADS AS SPECIFIED IN THE SPECIFICATION SECTION 660.10.

6. WHEN THE CONTRACTOR NO LONGER HAS NEED OF THE TEMPORARY TRAFFIC SIGNAL FOR THE COMPLETION OF HIS WORK, THE SIGNAL EQUIPMENT NO LONGER NECESSARY MUST BE REMOVED AND RETURNED TO THE DIVISION OF HIGHWAYS AS SPECIFIED. THE EQUIPMENT MUST BE CERTIFIED BY THE DIVISION OF HIGHWAYS AS BEING IN GOOD CONDITION.

7. TEMPORARY MODIFICATIONS TO THE TRAFFIC SIGNAL SYSTEM, IF REQUIRED, ARE THE RESPONSIBILITY OF THE CONTRACTOR. RETURN OF THE SIGNAL SYSTEM TO ITS PRE-PROJECT OR PRE/POST PROJECT CONDITION IS ALSO THE RESPONSIBILITY OF THE CONTRACTOR.

ITEM 614 - TEMPORARY IMPACT ATTENUATOR, QUADGUARD CZ [(MODEL NO.), (UNIDIRECTIONAL OR BIDIRECTIONAL)]:

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING A QUADGUARD CZ TEMPORARY IMPACT ATTENUATOR MANUFACTURED BY ENERGY ABSORPTION SYSTEMS, INC., ONE EAST WACKER DRIVE, CHICAGO, IL 60601 (TELEPHONE: 312-467-6750).

INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AS DETAILED ON THE FOLLOWING PRE-APPROVED SHOP DRAWINGS:

DWG. NO.	DRAWING NAME	DWG./ REV. DATE	ODOT APPROVAL DATE
QSCZCVR-T4	QUADGUARD CZ SYSTEM FOR CONSTRUCTION ZONES	5/13/99 Rev. J	8/27/99
35-40-10	QUADGUARD SYSTEM CONCRETE PAD, CZ, QG	11/19/97 Rev. D	8/27/99
35-40-16	QUADGUARD SYSTEM BACKUP ASSEMBLY, CZ, QG	7/30/99 Rev. F	8/27/99
354051Z	QUADGUARD CZ SYSTEM NOSE ASSEMBLY, CZ, QG, 24, 30, 36	5/17/99	8/27/99
35-40-18	TRANSITION ASSEMBLY, 4 OFFSET, QG	6/25/99 Rev. F	8/27/99
35400260	QUADGUARD SYSTEM PCMB ANCHOR ASSEMBLY	11/19/97 Rev. C	8/27/99

THE CONTRACTOR SHALL PROVIDE A REPLACEMENT UNIT WHEN AN IMPACT IS SEVERE ENOUGH TO REQUIRE COMPLETE REPLACEMENT OF THE ATTENUATOR. THE CONTRACTOR SHALL HAVE A SPARE PARTS PACKAGE AVAILABLE ON THE PROJECT SITE AT ALL TIMES WHEN AN ATTENUATOR IS IN PLACE. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF ONE COMPLETE SPARE PARTS PACKAGE FOR EVERY 1 TO 6 UNITS INSTALLED ON THE PROJECT SITE. FOR EXAMPLE, 5 INSTALLED UNITS REQUIRE 1 SPARE PARTS PACKAGE AND 7 INSTALLED UNITS REQUIRE 2 SPARE PARTS PACKAGES.

WHEN BI-DIRECTIONAL DESIGNS ARE SPECIFIED, THE CONTRACTOR SHALL SUPPLY APPROPRIATE TRANSITIONS. PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 614, TEMPORARY IMPACT ATTENUATOR, QUADGUARD CZ [(MODEL NO.), (UNIDIRECTIONAL OR BIDIRECTIONAL)], EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT, MAINTAIN, REPAIR, REPLACE OR RELOCATE A COMPLETE AND FUNCTIONAL IMPACT ATTENUATOR SYSTEM, INCLUDING ALL RELATED BACKUPS, TRANSITIONS, LEVELING PADS, HARDWARE AND GRADING, NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED JGB
CHECKED AM

MAINTENANCE OF TRAFFIC GENERAL NOTES

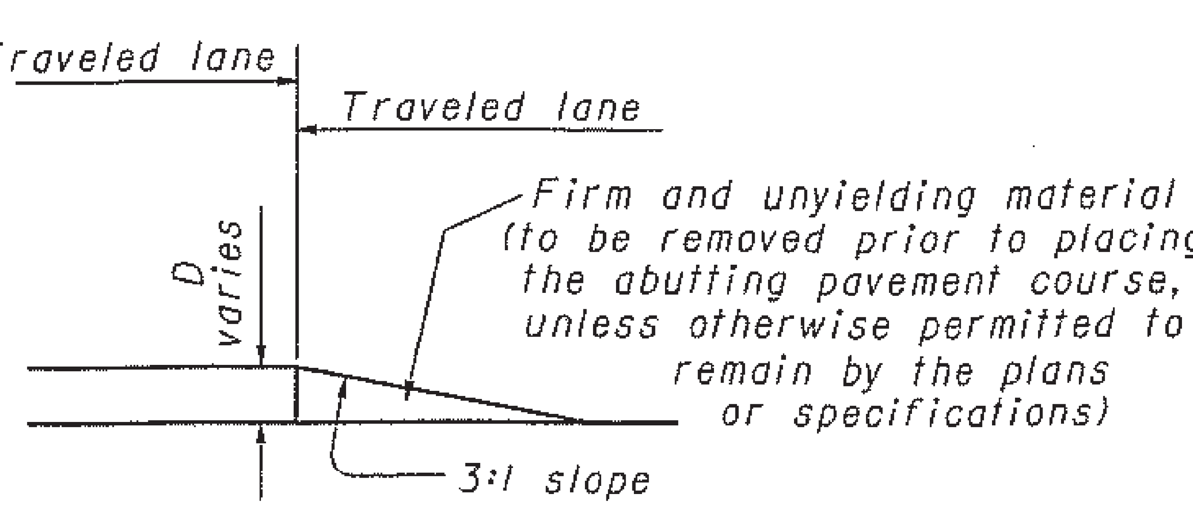
MEG-33-15.70

GENERAL NOTES

1. It is intended that this drawing be used for treatment of drop-offs that develop during construction operations, and that are not otherwise provided for in the construction plans. Where the plans do not provide specific items for labor, equipment, or materials to implement the drop-off treatments specified hereon, they shall be included for payment in the lump sum bid for Item 614 - Maintaining Traffic.
2. While the need for certain advisory signing is noted hereon, it is not intended that this be indicative of all signing that may be required to advise or warn motorists, and all requirements of the Ohio Manual of Uniform Traffic Control Devices (OMUTCD) must be fulfilled.
3. In urban or otherwise heavily developed areas where pedestrians and/or bicyclists may be present in significant numbers, additional signing and protective measures other than those shown hereon may be required.
4. The drop-off treatment selected for use at any given location shall be as appropriate for the prevailing conditions at the site.
5. Where concrete barrier is specified, it shall be in accordance with Standard Construction Drawing MC-9.2 and Item 622.
6. When drums are specified for a dropoff condition, a minimum number of four drums shall be used. Spacing shall be as indicated in the plans or as specified in the OMUTCD.
7. When OW-151 (Low Shoulder) signs or OW-171 (Uneven Lanes) and OWP-171 signs are required, they shall be placed 750′ in advance of the condition, on all intersecting entrance ramps within the limits of the condition and immediately beyond all intersecting roadways within the limits of the condition. When the dropoff condition extends more than one-half mile, additional signs should be erected at intervals of one mile or less.
8. For locations, such as at ramps, lane shifts, lane closures, etc., where traffic is required to negotiate any difference in elevation between pavements, a 3:1 slope treatment similar to the Optional Wedge Treatment shall be provided.
9. Portable concrete barrier shall be placed on the same level as the traffic surface and shall not encroach on lane width(s) designated as the minimum required for traffic use. Where drums are used, and their presence would reduce traveled lane widths to less than 10′, drums may be placed on the opposite level from that of traffic provided the dropoff depth does not exceed 5″ and approval is granted by the Project Engineer.
10. Pavement Repairs (or similar work):
    a. Lengths greater than 60 feet - utilize appropriate treatment from Condition I.
    b. Lengths of 60 feet or less - repairs shall be effected in accordance with 255.08. Drums may be used as a separator adjacent to the traveled lane.

OPTIONAL WEDGE TREATMENT
(MILLING OR RESURFACING)

1. This treatment may be used when permitted for Condition I only.
2. OW-171 and OWP-171 signs required.

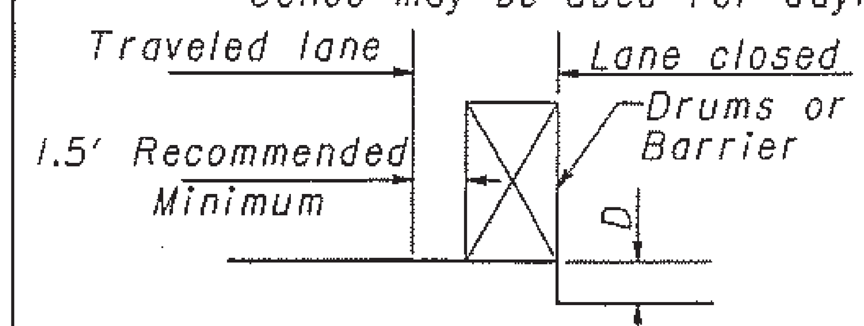


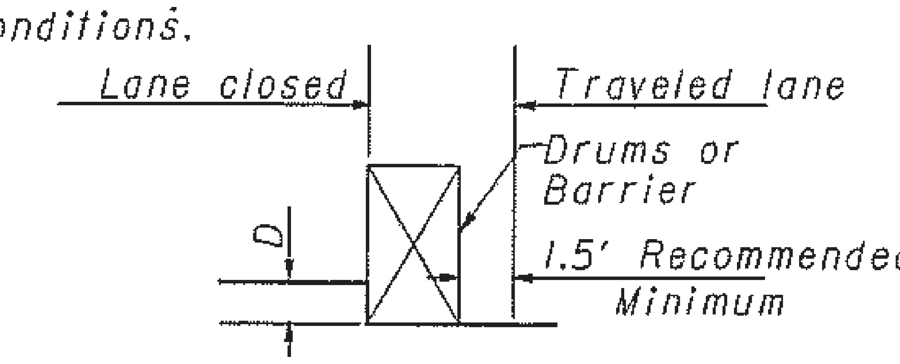
CONDITION I
DROPOFFS BETWEEN TRAVELED LANES

1. These treatments are to be used for resurfacing, pavement planing, excavation, etc. between or within traveled lanes.

D (In.)	Treatment
≤1½	Erect OW-171 and OWP-171 signs.
>1½-3	1) Lane closure utilizing drums* as shown below OR 2) Optional Wedge Treatment
>3-5	Lane closure utilizing drums as shown below.
>5	Lane closure utilizing portable concrete barrier as shown below.

*Cones may be used for daytime only conditions.



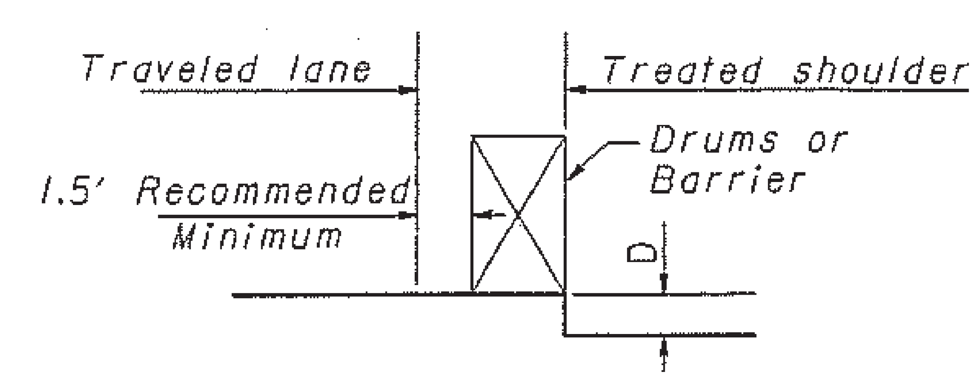


CONDITION II
DROPOFFS WITHIN GRADED SHOULDER AREA

1. The treatments indicated below are for use in conjunction with resurfacing, planing, or excavations within the graded shoulder area.
2. The graded shoulder area is that flat or gradually sloping area between the edge of a normally traveled lane and the more steeply sloping ditch foreslope or embankment slope. Its surface may be soil or turf, and/or it may be inclusive of a "treated" area (improved with aggregates, asphaltic materials, or concrete). For the purposes herein, its maximum width shall be considered to be twelve (12) feet.

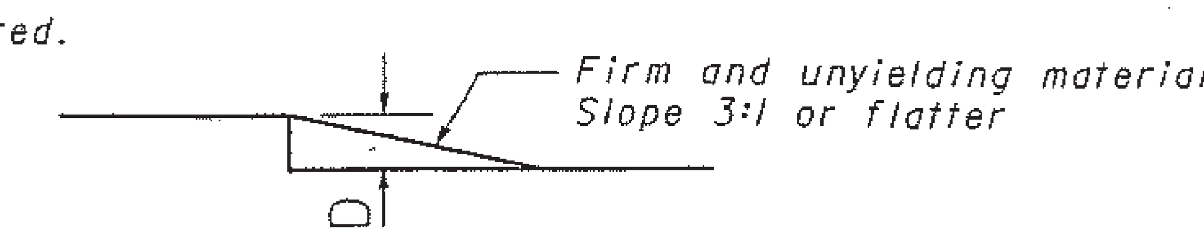
D (In.)	Treatment
≤1½	1) If edgelines are present, no treatment necessary OR 2) Erect OW-171 and OWP-171 signs.
>1½-5	1) If min. lane width* requirements can be met, maintain lanes utilizing drums as shown below OR 2) If min. lane width* requirements cannot be met, close adjacent lane utilizing drums OR 3) Optional Shoulder Treatment.
>5-12 Daylight only	If min. lane width* requirements can be met, maintain lanes utilizing drums as shown below.
>5-24	1) If min. lane width* requirements can be met, maintain lanes utilizing portable concrete barrier as shown below. OR 2) If min. lane width* requirements cannot be met, close adjacent lane utilizing drums.
>24	Lane closure utilizing portable concrete barrier as shown below.

*Minimum lane widths shall be 10′ unless otherwise specified in the plans.



OPTIONAL SHOULDER TREATMENT

1. This treatment may not be used within a bituminous shoulder where a hot longitudnal joint per 401.15 is required.
2. OW-151 signs required.

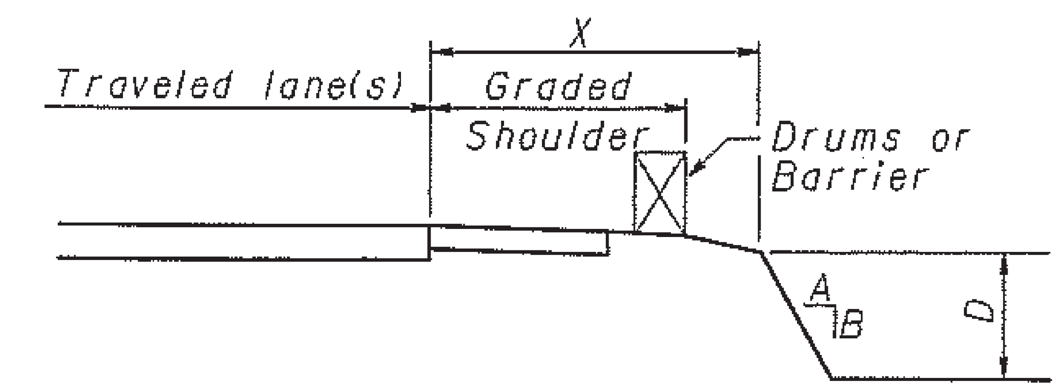


CONDITION III
DROPOFFS BEYOND GRADED SHOULDER OR BACK OF CURB

1. See Note 2 under Condition II.
2. Use Chart A or B below, as applicable.

CHART A

USE FOR: 1. Uncurbed Facilities.
2. Curbed Facilities, where:
a. Curbs are less than 6″ in height.
b. Curbs are 6″ or greater in height and the legal speed is greater than 40 mph.

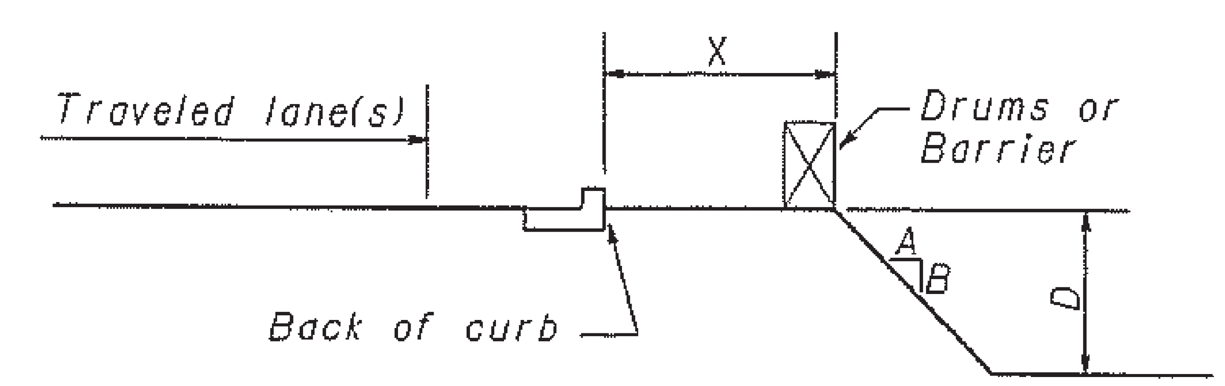


X (Ft.)	D (In.)	A/B	Treatment Required	
			Day	Night
0-4	Any	Any	(a)	(a)
4-30	Any	3:1 or Flatter	None	None
4-12	<3	Steeper than 3:1	None	None
4-12	>3-<12	Steeper than 3:1	Drums	Drums
4-12	>12	Steeper than 3:1	Drums	Barrier
>12-20	<12	Steeper than 3:1	None	None
>12-20	>12-<24	Steeper than 3:1	Drums	Drums
>12-20	>24	Steeper than 3:1	Drums	Barrier
>20-30	<24	Steeper than 3:1	None	Drums
>20-30	>24	Steeper than 3:1	Drums	Barrier
>30	Any	Any	None	None

(a) Use treatment specified under Condition II.

CHART B

USE FOR: Curbed facilities, where the curb is 6″ or greater in height and the legal speed is 40 mph or less.



X (Ft.)	D (In.)	A/B	Treatment Required	
			Day	Night
0-10	<12	Any	None	Drums
0-10	>12	Any	Drums	Drums
>10	Any	Any	None	None

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
BUREAU OF LOCATION AND DESIGN

__/__

DROPOFFS IN WORK ZONES

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED

REFERENCE NO.	STATION TO STATION	SIDE	614 MASON BARRIER REFLECTOR, TYPE B (EACH)	614 MASON MAINTAINING TRAFFIC, MISC.: 15" CONDUIT, TYPE C (LIN FT)	614 MASON TEMPORARY CENTER LINE, CLASS I, 740.06, TYPE I (LIN FT)	614 UNINC-WV TEMPORARY CENTER LINE, CLASS I, 740.06, TYPE I (LIN FT)	614 MASON TEMPORARY EDGE LINE, CLASS I, 740.06, TYPE I (WHITE) (LIN FT)	614 UNINC-WV TEMPORARY EDGE LINE, CLASS I, 740.06, TYPE I (WHITE) (LIN FT)	614 MASON TEMPORARY STOP LINE, CLASS I, 740.06, TYPE I (LIN FT)	SPL MASON MISC.: HOT-MIX ASPHALT BASE COURSE, TYPE I (WVDOH) (TON)	SPL MASON MISC.: HOT-MIX ASPHALT BASE COURSE, TYPE II (WVDOH) (TON)	622 MASON PORTABLE CONCRETE BARRIER, 32" (LIN FT)
	PHASE ONE											
PCB-1	211+94 TO 213+65 WV 62	LT	3									178
PCB-2	213+58.52 WV 62 TO 9+27.14 TEMP W-M	RT/LT	3									94
TCL-1	205+00 TO 213+58.52 WV 62	CL			836	23						
TCL-2	214+89.20 TO 217+00 WV 62	CL			211							
TD-1	9+43.47 TEMP W-M	LT & RT		56								
TEL-1	205+00 TO 213+94.18 WV 62	LT					911	24				
TEL-2	205+00 WV 62 TO 6+13.70 TEMP W-M	RT/LT					1246	21				
TEL-3	214+14.20 TO 217+00 WV 62	LT					328					
TEL-4	6+15.17 TEMP W-M TO 217+00 WV 62	RT					630					
TP-1	211+00 TO 216+00 WV 62	LT & RT								1111.65	1111.65	
TSL-1	213+58.52 WV 62	RT							11			
TSL-2	11+07.03 TEMP W-M	LT							10			
TSL-3	214+89.20 WV 62	LT							11			
TSL-4	9+48.48 TEMP W-M	RT							11			
	PHASE TWO											
PCB-1	211+94 TO 213+65 WV 62	LT	3									178
TCL-1	205+00 TO 212+44.04 WV 62	RT			723	22						
TCL-2	6+14.64 TEMP W-M TO 18+84.15 W-M	RT			256							
TCL-3	214+90.59 TO 219+74.63 WV 62	RT			486							
TEL-1	204+58.93 WV 62 TO 10+80.86 TEMP W-M	LT					930					
TEL-2	205+00 WV62 TO 6+13.90 TEMP W-M	RT/LT					1093	64				
TEL-3	6+15.37 TEMP W-M TO 219+66.43 WV 62	RT					930	21				
TEL-4	10+80.86 TEMP W-M TO 219+74.63 WV 62	RT/LT					599					
TP-1	213+64.34 TO 215+00 WV 62	LT & RT								180.36	180.36	
TSL-1	212+44.04 WV 62	RT							11			
TSL-2	18+84.15 W-M	RT							11			
TSL-3	10+80.86 TEMP W-M	LT							10			
TSL-4	214+90.59 WV 62	RT							11			
	W-M = WAL-MART ACCESS DRIVE											
	TEMP W-M = ALIGNMENT FOR TEMPORARY RAMPING											
TOTALS THIS SHEET			9	56	2512	45	6667	130	86	1292.01	1292.01	450

CALCULATED ALH
CHECKED AM

MAINTENANCE OF TRAFFIC SUB-SUMMARY - WV

MEG-33.15.70

REFERENCE NO.	STATION TO STATION	SIDE	614 MASON BARRIER REFLECTOR, TYPE B (EACH)	614 MASON MAINTAINING TRAFFIC, MISC.: 15" CONDUIT, TYPE C (LIN FT)	614 MASON TEMPORARY CENTER LINE, CLASS I, 740.06, TYPE I (LIN FT)	614 UNINC-WV TEMPORARY CENTER LINE, CLASS I, 740.06, TYPE I (LIN FT)	614 MASON TEMPORARY EDGE LINE, CLASS I, 740.06, TYPE I (WHITE) (LIN FT)	614 UNINC-WV TEMPORARY EDGE LINE, CLASS I, 740.06, TYPE I (WHITE) (LIN FT)	614 MASON TEMPORARY STOP LINE, CLASS I, 740.06, TYPE I (LIN FT)	SPL MASON MISC.: HOT-MIX ASPHALT BASE COURSE, TYPE I (WVDOH) (TON)	SPL MASON MISC.: HOT-MIX ASPHALT BASE COURSE, TYPE II (WVDOH) (TON)	622 MASON PORTABLE CONCRETE BARRIER, 32" (LIN FT)
	PHASE THREE A											
PCB-1	20+82.84 SR 833 TO 215+72.38 WV 62	RT/LT	5									329
TCL-1	205+00 TO 212+18.02 WV 62	RT			697	22						
TCL-2	213+72.53 TO 219+73.90 WV 62	RT			604							
TCL-3	16+30.85 TO 18+84.15 W-M	CL			253							
TEL-1	204+58.93 WV 62 TO 20+91.32 SR 833	LT					831	64				
TEL-2	205+00 WV 62 TO 18+84.15 W-M	RT/LT					813	21				
TEL-3	20+82.84 SR 833 TO 219+73.90 WV 62	RT/LT					730					
TEL-4	16+30.85 W-M TO 219+66.43 WV 62	RT					952					
TSL-1	212+18.02 WV 62	RT							11			
TSL-2	213+72.53 WV 62	RT							11			
TSL-3	18+84.15 W-M	RT							12			
	PHASE THREE B											
TCL-1	205+29 TO 212+40.51 WV 62	LT			711							
TCL-2	213+96.41 TO 217+00 WV 62	LT			304							
TCL-3	16+30.85 TO 19+39.30 W-M	CL			308							
TEL-1	205+29 WV 62 TO 18+80.62 W-M	LT					850					
TEL-2	16+30.85 W-M TO 217+00 WV 62	RT					726					
TSL-1	212+40.51 WV 62	LT & RT							11			
TSL-2	20+91.32 SR 833	LT							24			
TSL-3	213+96.41 WV 62	LT							10			
TSL-4	19+39.30 W-M	CL							12			
	W-M = WAL-MART ACCESS DRIVE											
TOTALS THIS SHEET			5	0	2877	22	4902	85	91	0.00	0.00	329
TOTALS FROM SHEET NO. 23			9	56	2512	45	6667	130	86	1292.01	1292.01	450
TOTALS			14	56	5389	67	11569	215	177	1292.01	1292.01	779
ALLOCATED TOTALS			14	56	1.02 MI	0.01 MI	2.19 MI	0.04 MI	177	1292.01	1292.01	779
TOTALS CARRIED TO GENERAL SUMMARY			14	56	1.03 MILE		2.23 MILE		177	1292.01	1292.01	779

CALCULATED ALH
CHECKED AM

MAINTENANCE OF TRAFFIC SUB-SUMMARY - WV

MEG-33-15.70

REFERENCE NO.	STATION TO STATION	SIDE	614 Pomeroy BITUMINOUS CONCRETE FOR MAINTAINING TRAFFIC	Pomeroy BITUMINOUS CONCRETE FOR MAINTAINING TRAFFIC, AS PER PLAN	Pomeroy TEMPORARY RAISED PAVEMENT MARKERS (2-WAY YELLOW)	Pomeroy BARRIER REFLECTOR, TYPE B	Pomeroy TEMPORARY CENTER LINE, CLASS I, 740.06, TYPE I (YELLOW)	Uninc. WV TEMPORARY CENTER LINE, CLASS I, 740.06, TYPE I (YELLOW)	Pomeroy TEMPORARY EDGE LINE, CLASS I, 740.06, TYPE I (WHITE)	Uninc. WV TEMPORARY EDGE LINE, CLASS I, 740.06, TYPE I (WHITE)	Pomeroy TEMPORARY STOP LINE, CLASS I, 740.06, TYPE I	Pomeroy TEMPORARY IMPACT ATTENUATOR	615 Pomeroy TEMPORARY PAVEMENT, CLASS A	622 Pomeroy PORTABLE CONCRETE BARRIER, 32"
			CU YD	CU YD	EACH	EACH	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	EACH	SQ YD	LIN FT
	PHASE ONE													
TEL-10	130+00 TO 502+00 EX. W. MAIN ST.	LT							146					
TEL-10	502+00 TO 525+00 EX. W. MAIN ST.	LT							2300					
TEL-10	525+00 TO 54+65 EX. W. MAIN ST.	LT							113					
TEL-11	130+00 TO 502+00 EX. W. MAIN ST.	RT							146					
TEL-11	502+00 TO 511+94 EX. W. MAIN ST.	RT							994					
TEL-12	513+67 TO 525+00 EX. W. MAIN ST.	RT							1133					
TEL-12	525+00 TO 54+65 EX. W. MAIN ST.	RT							113					
TCL-10	130+00 TO 502+00 EX. W. MAIN ST.	CL					146							
TCL-10	502+00 TO 511+94 EX. W. MAIN ST.	CL					994							
TCL-11	513+67 TO 525+00 EX. W. MAIN ST.	CL					1133							
TCL-11	525+00 TO 54+65 EX. W. MAIN ST.	CL					113							
TSL-10	511+94 EX. W. MAIN ST.	RT									10			
TSL-11	513+67 EX. W. MAIN ST.	LT									10			
TRPM-10	130+00 TO 502+00 EX. W. MAIN ST.	CL			14									
TRPM-10	502+00 TO 511+94 EX. W. MAIN ST.	CL			100									
TRPM-11	513+67 TO 525+00 EX. W. MAIN ST.	CL			114									
TRPM-11	525+00 TO 54+65 EX. W. MAIN ST.	CL			12									
PCB-10	510+67 TO 525+00 EX. W. MAIN ST.	LT				57								1433
PCB-10	525+00 TO 54+40 EX. W. MAIN ST.	LT				5						1		85
PCB-11	45+98 TO 50+42 SR 833	LT				18								444
	148+00 TO 149+00 MAIN ST.	LT											302	
	47+20 TO 49+09 SR 833	RT											210	
	512+75 TO 513+80 EX. W. MAIN ST.	RT											86	
	131+00 TO 134+67 EX. W. MAIN ST.	LT		407										
	148+00 TO 148+55 MAIN ST.	LT	178											
	46+08 TO 48+74 SR 833	LT	205											
	49+00 TO 53+95 EX. W. MAIN ST.	RT		97										
	PHASE TWO													
TEL-20	131+00 TO 149+08.55 MAIN ST.	RT							1809					
TEL-21	131+00 TO 132+80 MAIN ST.	LT							180					
TEL-22	133+28 TO 136+00 MAIN ST.	LT							272					
TEL-23	136+67 TO 147+50 MAIN ST.	RT							1083					
TEL-23	147+50 MAIN ST. TO 46+94.55 SR 833	RT							130					
TEL-24	40+50 TO 42+26 EX. W. MAIN ST.	LT							176					
TEL-25	40+50 TO 42+26 EX. W. MAIN ST.	RT							176					
TEL-26	48+13 TO 54+97.95 SR 833	RT							685					
TEL-27	47+43.70 TO 54+97.95 SR 833	LT							754					
TCL-20	131+00 TO 132+80 MAIN ST.	CL					180							
TCL-21	133+28 TO 136+00 MAIN ST.	CL					272							
TCL-22	136+67 TO 148+69.64 MAIN ST.	CL					1203							
TCL-23	40+50 TO 42+26 EX. W. MAIN ST.	CL					176							
TCL-24	47+87.16 TO 54+97.95 SR 833	CL					711							
TRPM-20	131+00 TO 132+80 MAIN ST.	CL			18									
TRPM-21	133+28 TO 136+00 MAIN ST.	CL			27									
TRPM-22	136+67 TO 148+69.64 MAIN ST.	CL			120									
TRPM-23	40+50 TO 42+26 EX. W. MAIN ST.	CL			18									
TRPM-24	47+87.16 TO 54+97.95 SR 833	CL			71									
TSL-20	148+69.64 MAIN ST.	RT									27			
TSL-21	46+94.55 EX. W. MAIN ST.	RT									10			
TSL-22	47+87.16 EX. W. MAIN ST.	RT									12			
TOTALS THIS SHEET			383	504	494	80	4928	0	10210	0	69	1	598	1962

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	05-05	SCC

CALCULATED SJ
CHECKED SAO

MAINTENANCE OF TRAFFIC SUB-SUMMARY - OHIO

MEG-33.15.70

REFERENCE NO.	STATION TO STATION	SIDE	614 BITUMINOUS CONCRETE FOR MAINTAINING TRAFFIC	614 BITUMINOUS CONCRETE FOR MAINTAINING TRAFFIC, AS PER PLAN	614 TEMPORARY RAISED PAVEMENT MARKERS (2-WAY YELLOW)	614 BARRIER REFLECTOR, TYPE B	614 TEMPORARY CENTER LINE, CLASS I, 740.06, TYPE I (YELLOW)	614 TEMPORARY CENTER LINE, CLASS I, 740.06, TYPE I (YELLOW)	614 TEMPORARY EDGE LINE, CLASS I, 740.06, TYPE I (WHITE)	614 TEMPORARY EDGE LINE, CLASS I, 740.06, TYPE I (WHITE)	614 TEMPORARY STOP LINE, CLASS I, 740.06, TYPE I	614 TEMPORARY IMPACT ATTENUATOR	615 TEMPORARY PAVEMENT, CLASS A	622 PORTABLE CONCRETE BARRIER, 32"
			Pomeroy	Pomeroy	Pomeroy	Pomeroy	Pomeroy	Uninc. WV	Pomeroy	Uninc. WV	Pomeroy	Pomeroy	Pomeroy	Pomeroy
			CU YD	CU YD	EACH	EACH	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	EACH	SQ YD	LIN FT
PCB-20	40+68 TO 43+29 EX. W. MAIN ST.	RT				10								262
PCB-21	40+69 TO 42+26 EX. W. MAIN ST.	RT				6						1		157
PCB-22	47+44 TO 50+47 EX. W. MAIN ST.	RT/LT				12								303
PCB-23	148+79 TO 149+09 SR 833/MAIN ST.	RT				1						1		30
PCB-23	48+13 TO 53+65 SR 833/MAIN ST.	RT				22						1		552
	PHASE THREE													
TEL-30	143+00 TO 149+15 MAIN ST.	RT							615					
TEL-30	149+15 MAIN ST. TO 48+51 SR 833	RT							44					
TEL-30	48+51 TO 53+95 SR 833	RT							544					
TEL-31	143+00 TO 148+68 MAIN ST.	LT							568					
TEL-31	148+68 MAIN ST. TO 47+20 SR 833	LT							103					
TEL-32	35+05 TO 47+20 SR 833	RT							1125	90				
TEL-33	35+05 TO 53+95 SR 833	LT							1800	90				
TCL-30	143+00 TO 149+15 MAIN ST.	CL					615							
TCL-31	35+05 TO 47+40 SR 833	CL					1145	90						
TCL-32	48+40 TO 53+95 SR 833	CL					1110							
TRPM-30	143+00 TO 149+15 MAIN ST.	CL			62									
TRPM-31	35+05 TO 47+40 SR 833	CL			124									
TRPM-32	48+40 TO 53+95 SR 833	CL			112									
TSL-30	149+15.41 MAIN ST.	RT									14			
TSL-31	47+40 SR 833	LT									14			
TSL-32	48+40 SR 833	LT									20			
PCB-30	38+03 TO 47+20 SR 833	RT				37								917
PCB-30	47+20 SR 833 TO 148+68 MAIN ST.	RT/LT				4								100
PCB-30	146+50 TO 148+68 MAIN ST.	LT				9								218
PCB-31	44+43 TO 50+42 SR 833	LT				24								599
	TOTALS THIS SHEET		0	0	298	125	2870	90	4799	180	48	3	0	3138
	TOTALS FROM SHEET NO. 25		383	504	494	80	4928	0	10210	0	69	1	598	1962
	TOTALS		383	504	792	205	7798 LF	90 LF	15009 LF	180 LF	117	4	598	5100
	ALLOCATED TOTALS		383	504	792	205	1.48 MI	0.02 MI	2.84 MI	0.03 MI	117	4	598	5100
	TOTALS CARRIED TO GENERAL SUMMARY		383	504	792	205	1.50 MI		2.87 MI		117	4	598	5100

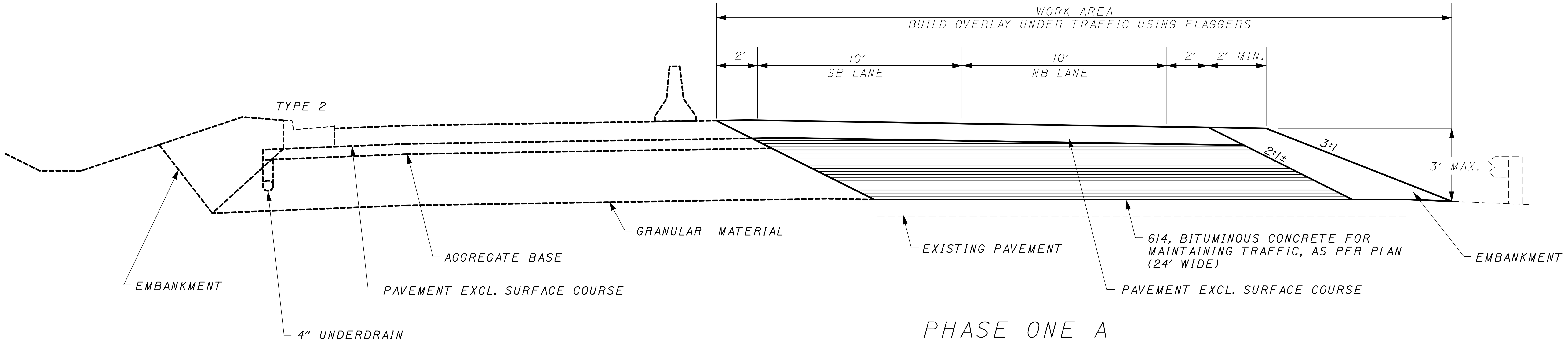
NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	05-05	SCC

CALCULATED SJ
CHECKED SAO

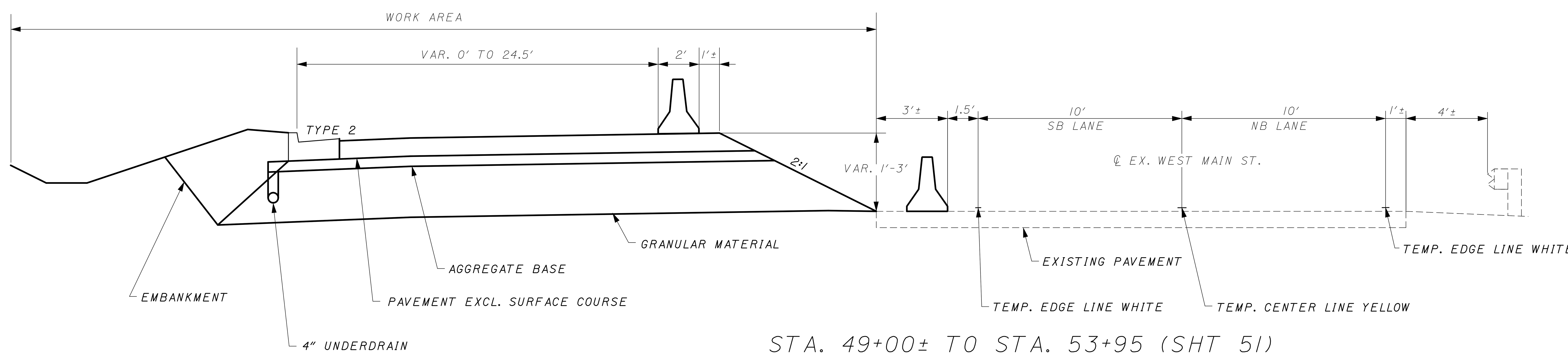
MAINTENANCE OF TRAFFIC SUB-SUMMARY - OHIO

MEG-33.15.70

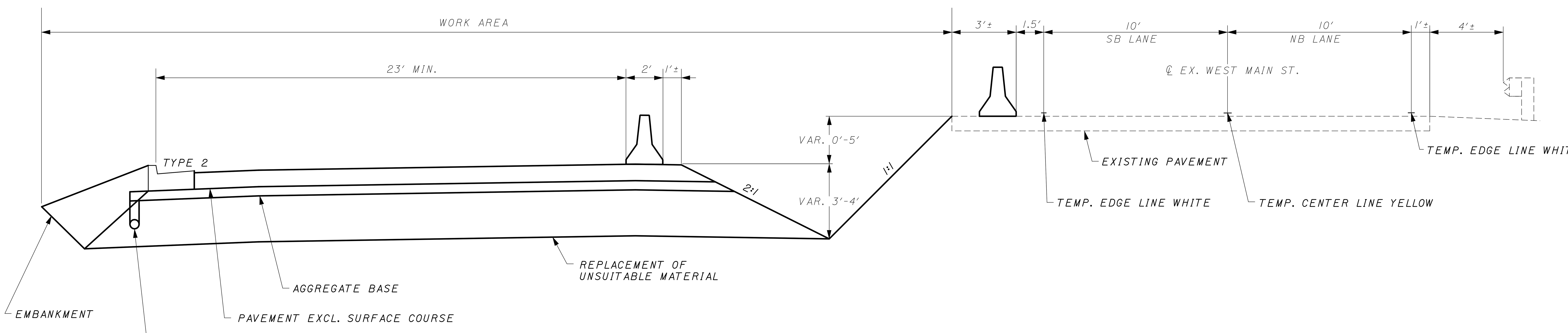
26/582



PHASE ONE A
STA. 49+00± TO STA. 53+95 (SHT. 51)



STA. 49+00± TO STA. 53+95 (SHT 51)



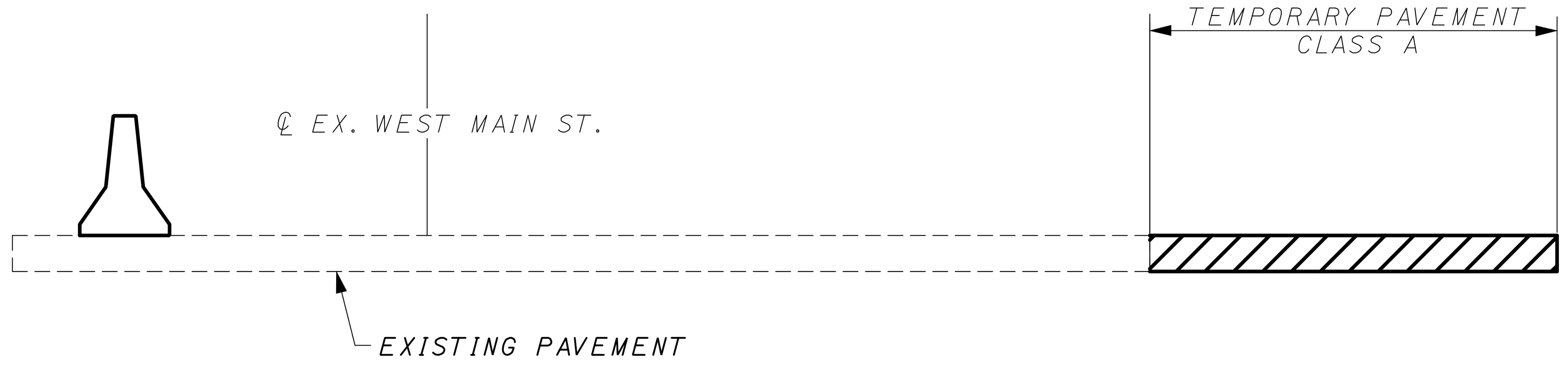
STA. 42+25± TO STA. 49+00± (SHT. 50)

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

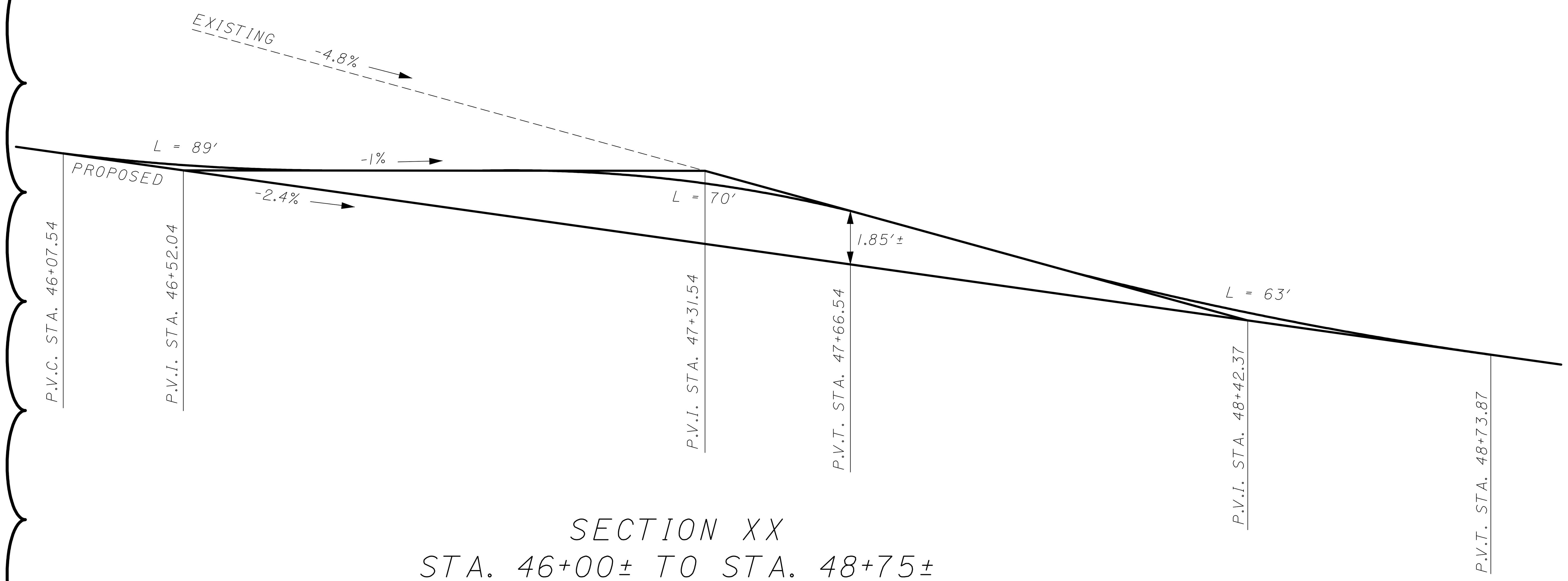
MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
SR 833 - PHASE ONE AND ONE A 1

MEG-33-15.70

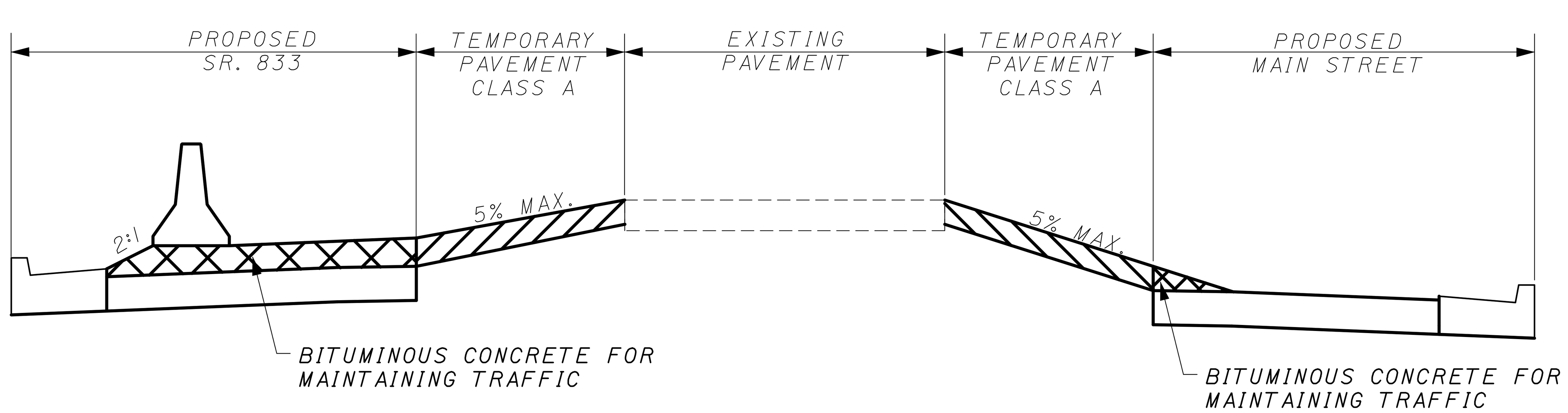
29/582



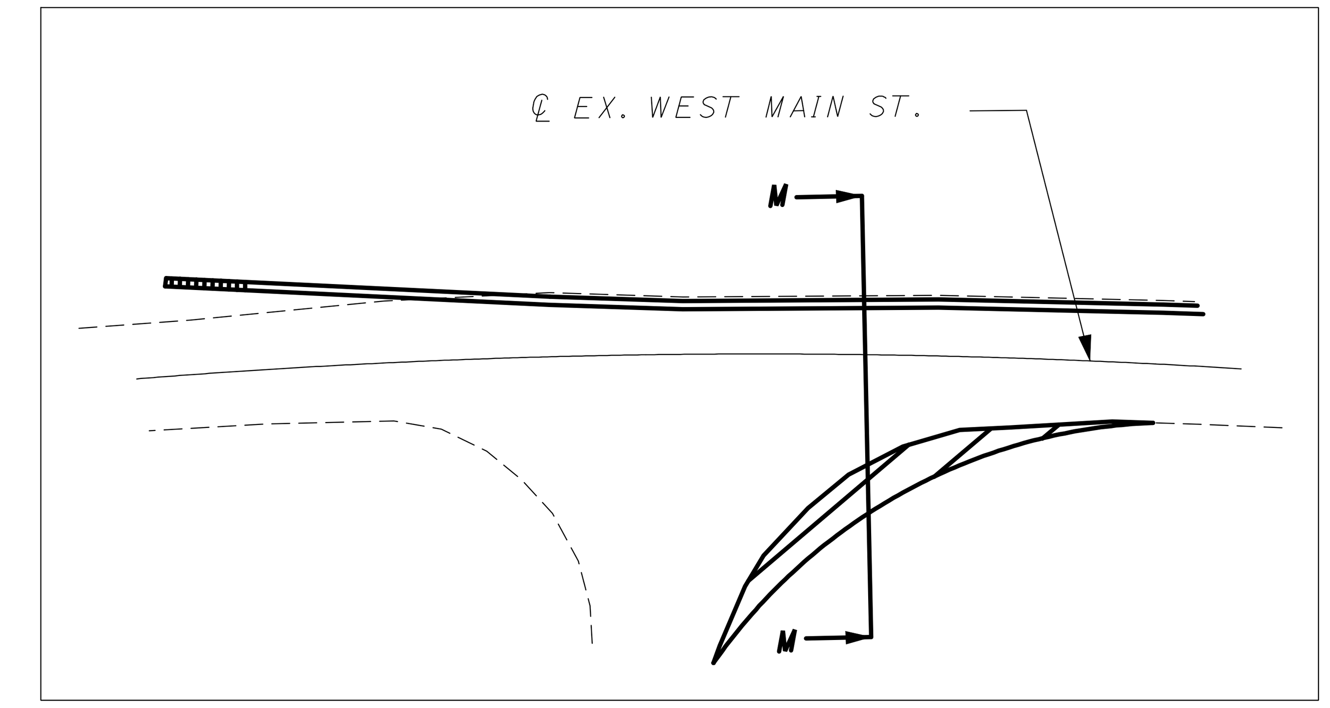
SECTION MM
STA. 40+60± TO STA. 42+20±



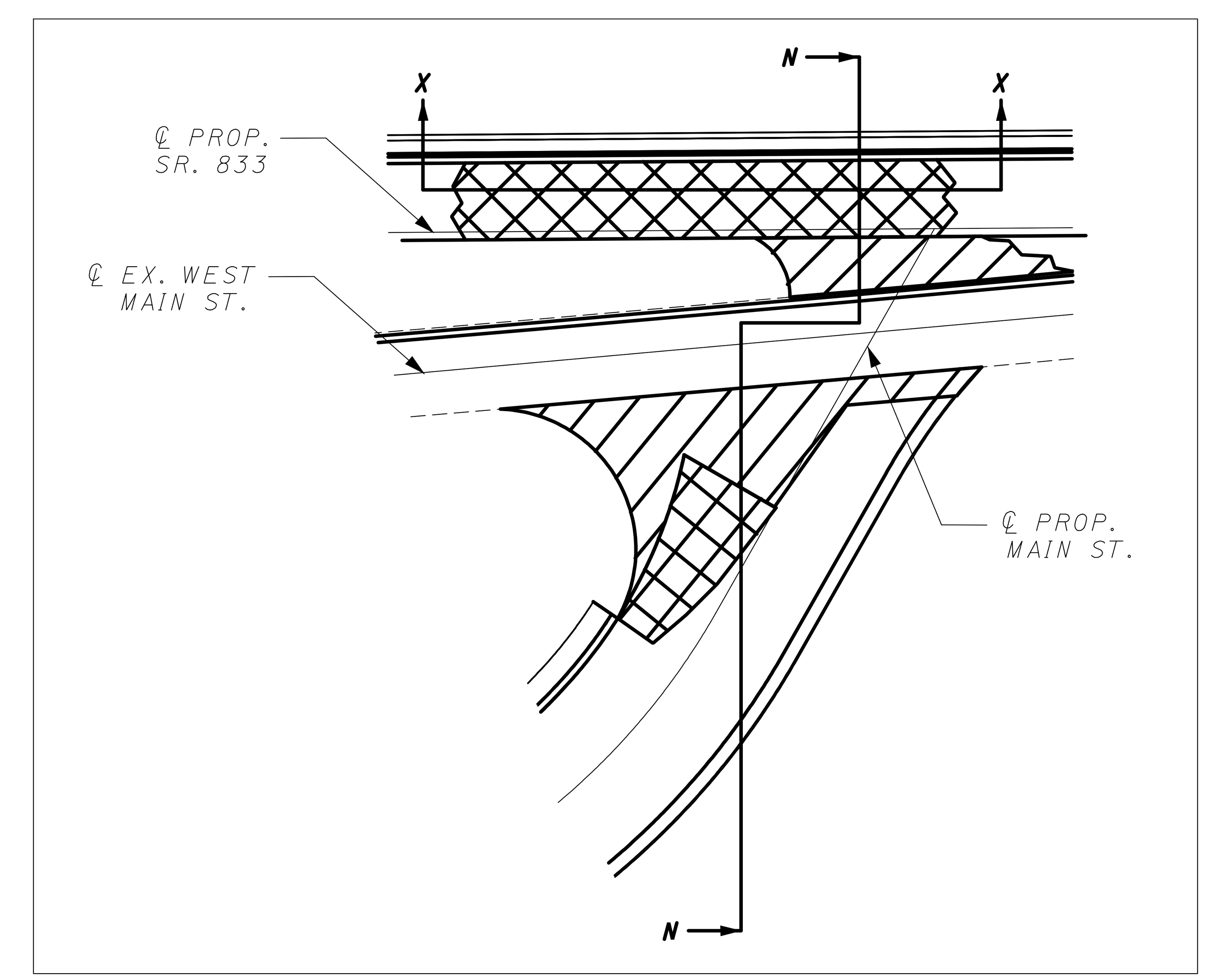
SECTION XX
STA. 46+00± TO STA. 48+75±



SECTION NN



EXISTING INTERSECTION
(SHT. 50)

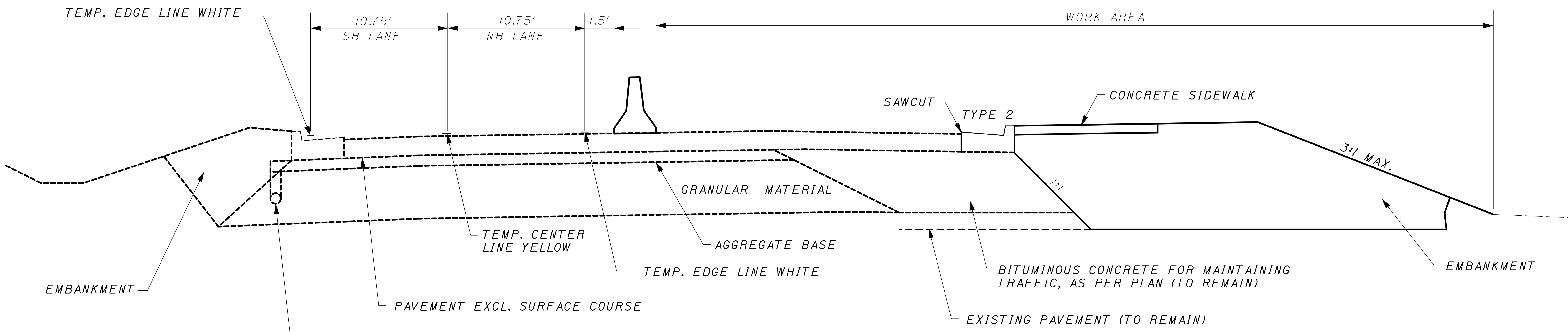


PROPOSED INTERSECTION
(SHT. 50)

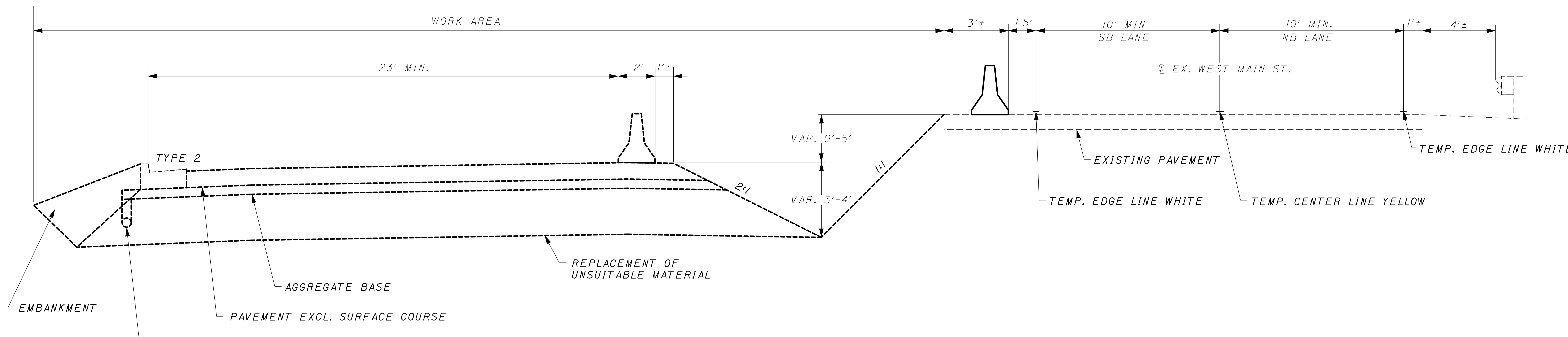
NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
SR 833 - PHASE ONE

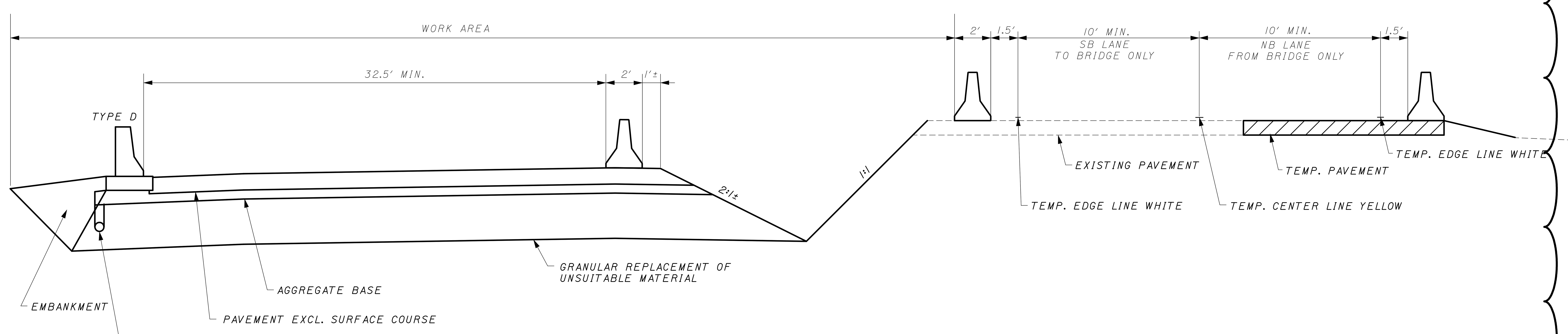
MEG-33-15.70



STA. 47+50± TO STA. 53+95 (SHT. 55)



STA. 42+25± TO STA. 47+50± (SHT. 54)



STA. 40+08± TO STA. 42+25± (SHT. 54)

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
SR 833 - PHASE TWO

MEG-33-15.70

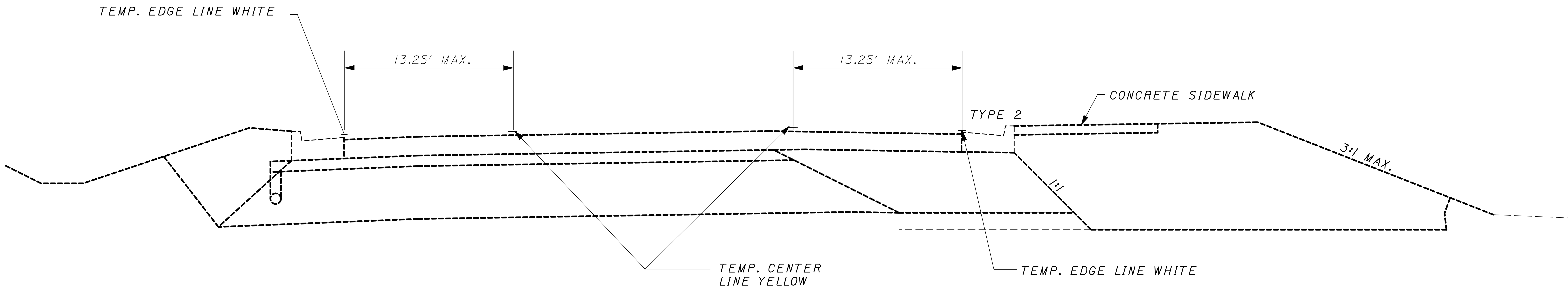
NOT USED

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

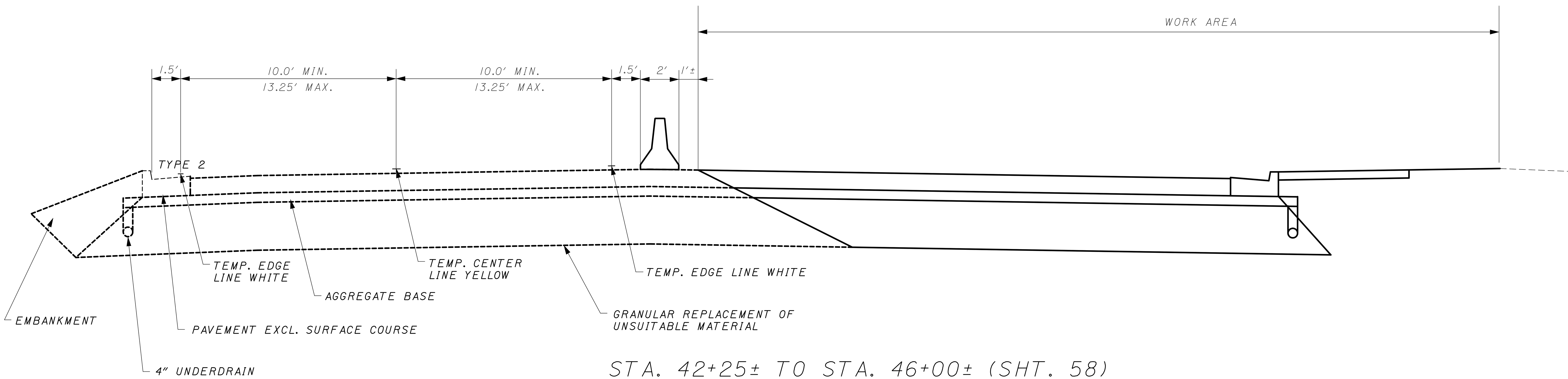
MAINTENANCE OF TRAFFIC TYPICAL SECTIONS

SR 833 - PHASE TWO

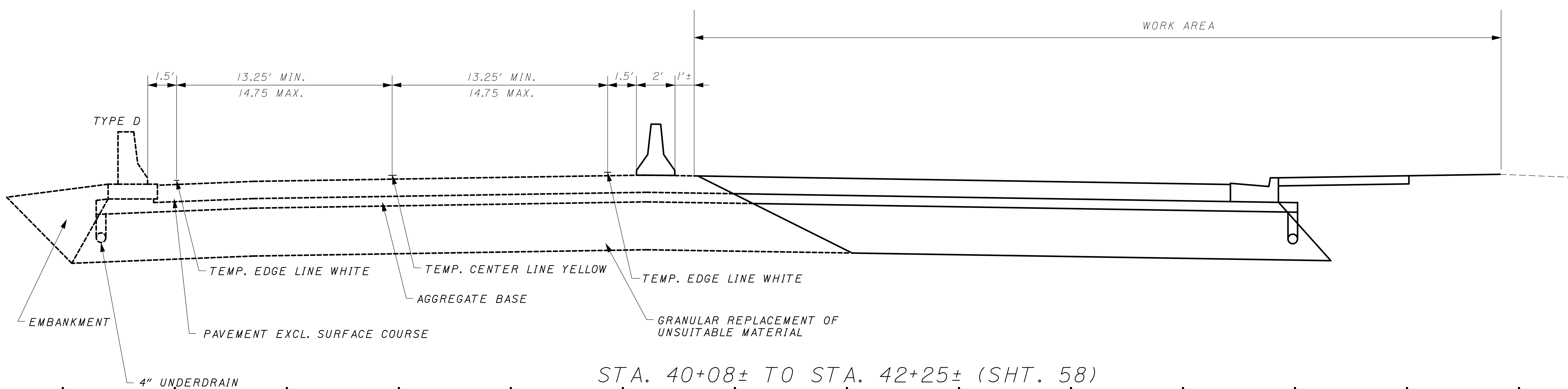
MEG-33-15.70



STA. 48+40± TO STA. 53+95 (SHT. 59)



STA. 42+25± TO STA. 46+00± (SHT. 58)



STA. 40+08± TO STA. 42+25± (SHT. 58)

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
SR 833 - PHASE THREE

MEG-33-15.70

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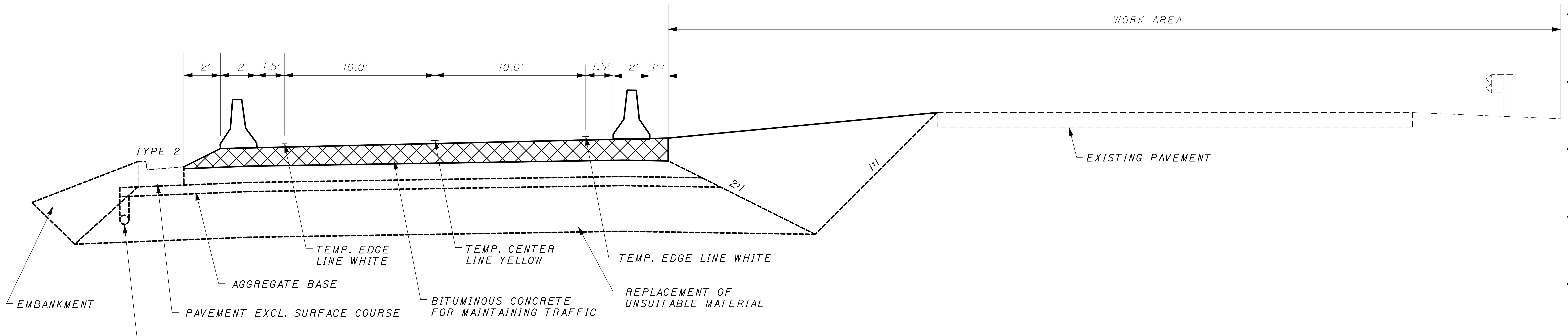
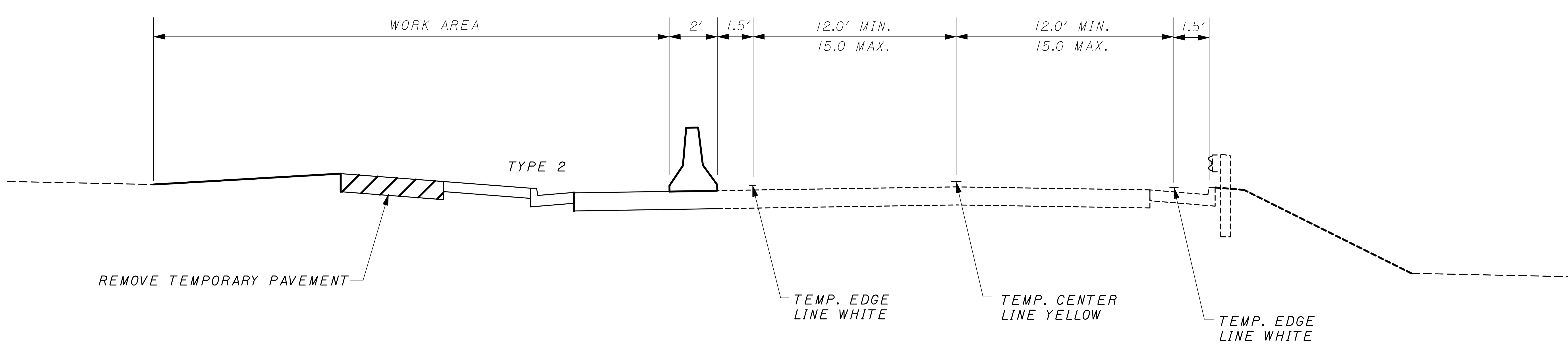


STA. 46+00± TO STA. 49+00± (SHT. 58, 59)



MAIN STREET - STA. 145+50 TO 149+15.41 (SHT. 58, 59)

1

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

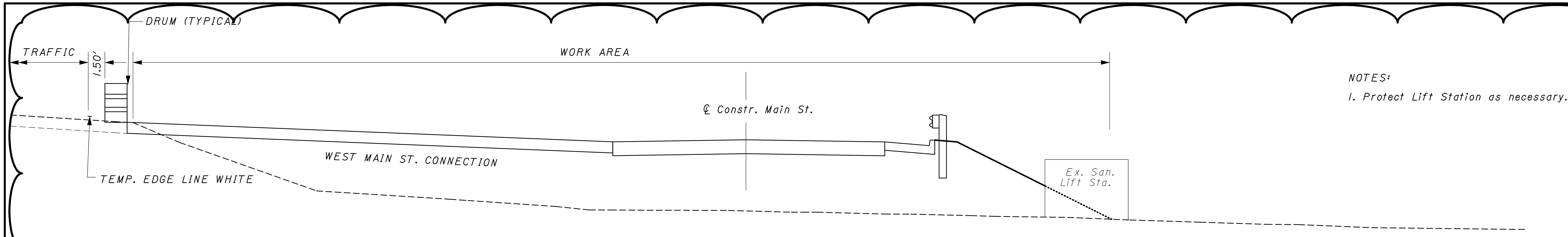
MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
MAIN STREET AND SR 833 - PHASE THREE

MEG-33-15.70

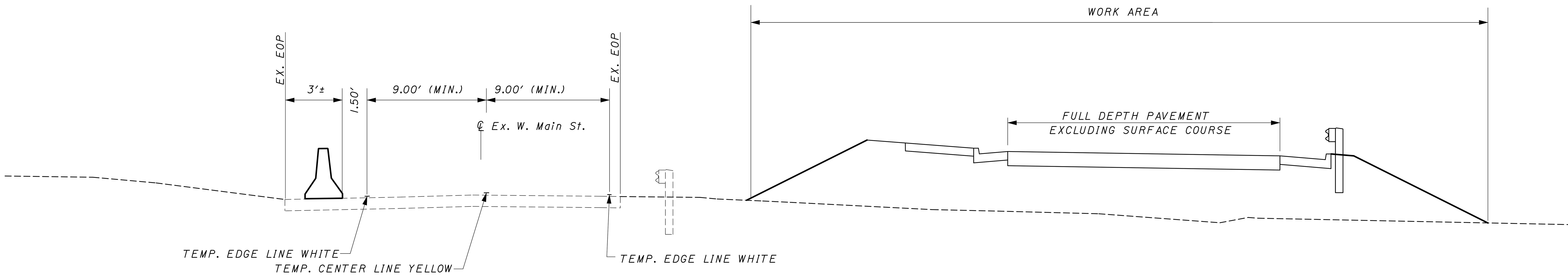
33A
582

MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
MAIN STREET - PHASE ONE

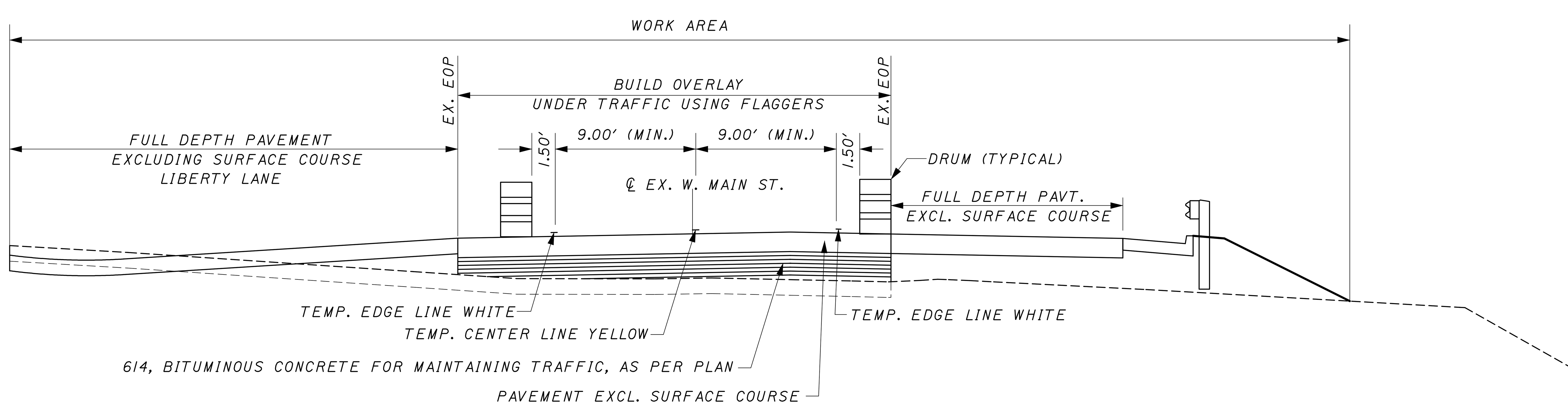
NOTES:
1. Protect Lift Station as necessary.



SECTION CC (SHT. 49)



STA. 135+00± TO 148+00± (SHT. 49, 50)



STA. 131+00 TO STA. 134+50± (SHT. 49)

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

MEG-33-15.70

34/582

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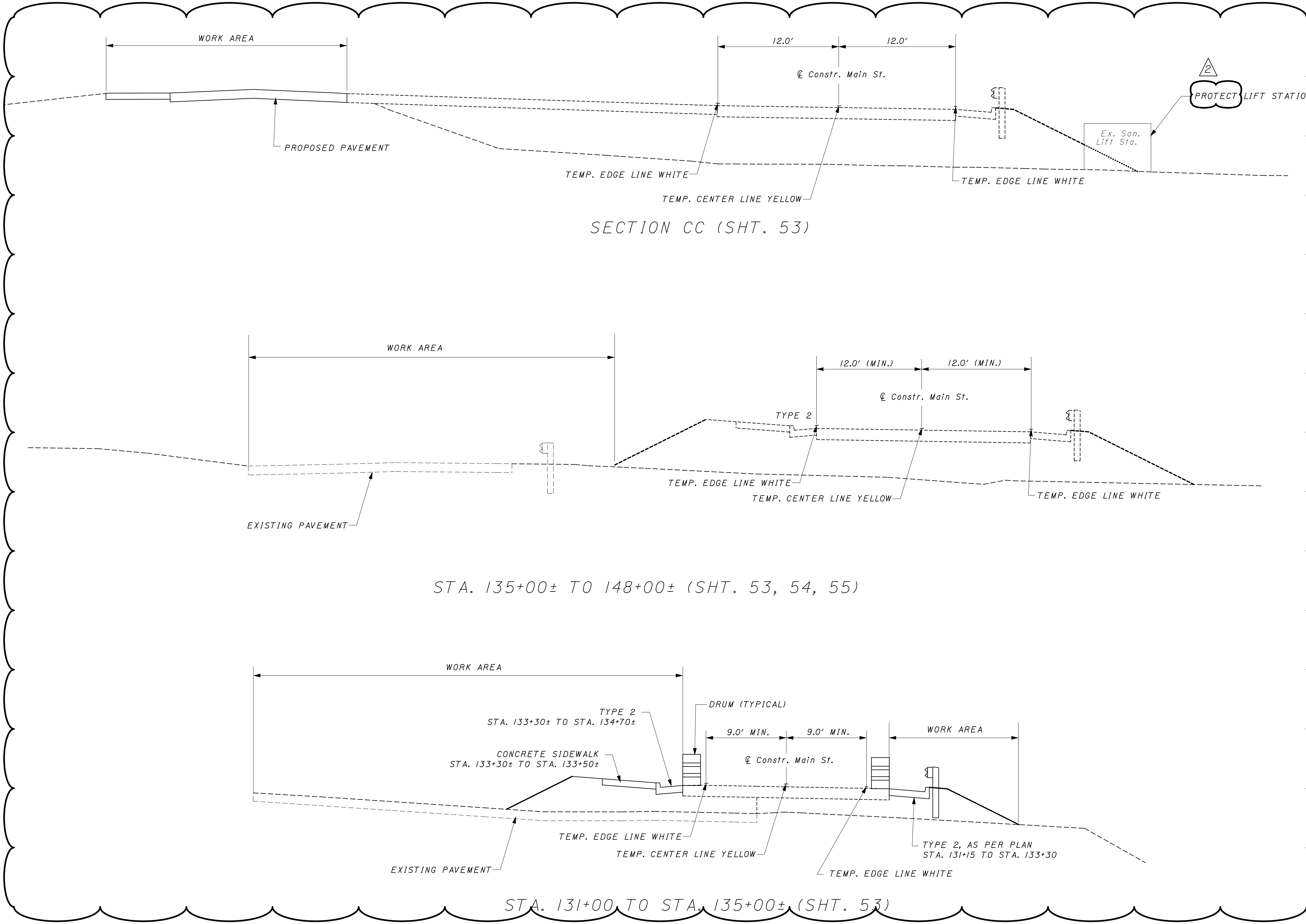

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC
2	SALVAGE PUMP STATION	1/06	SCC

MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
MAIN STREET - PHASE TWO

MEG-33-15.70

35/582

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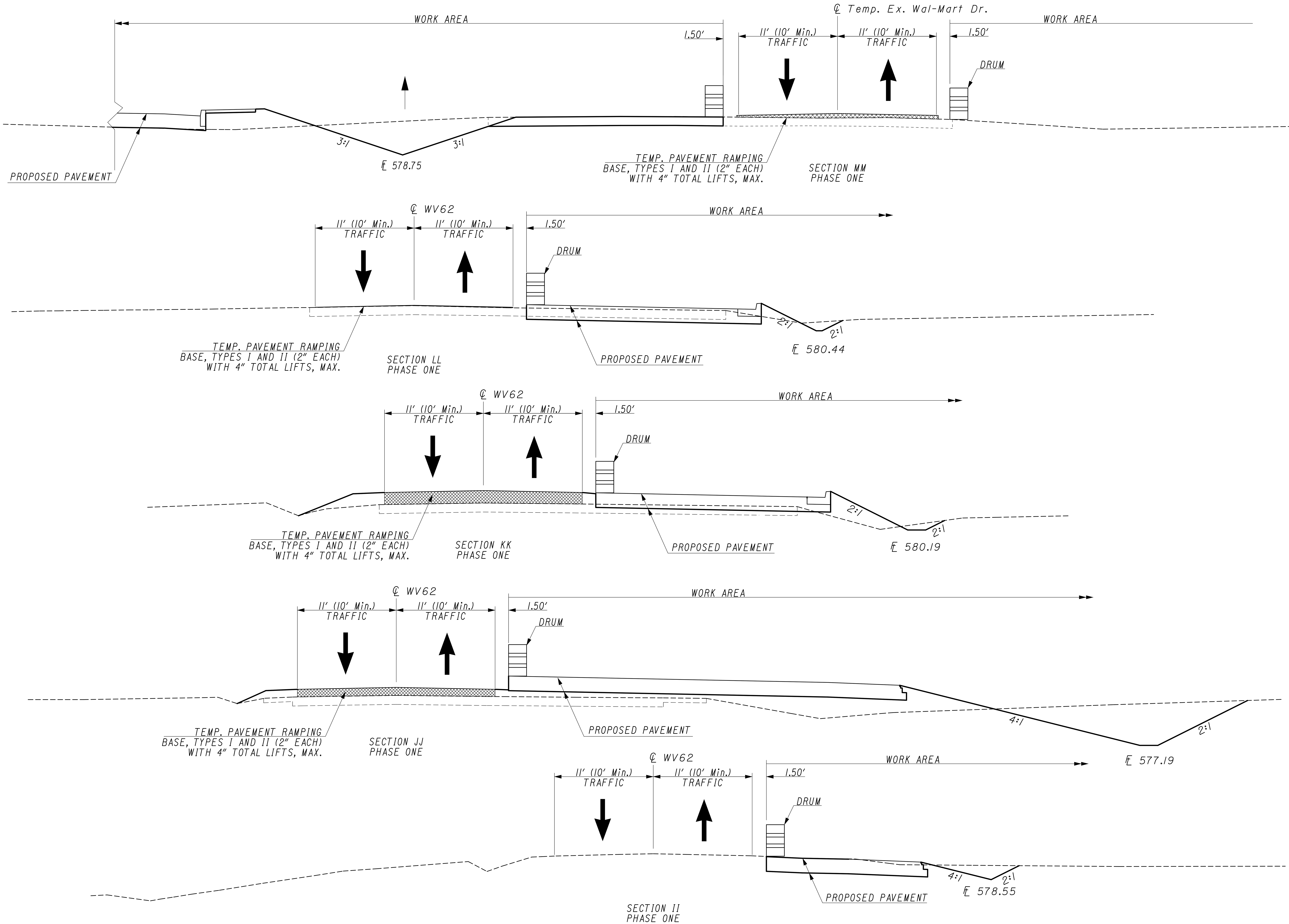

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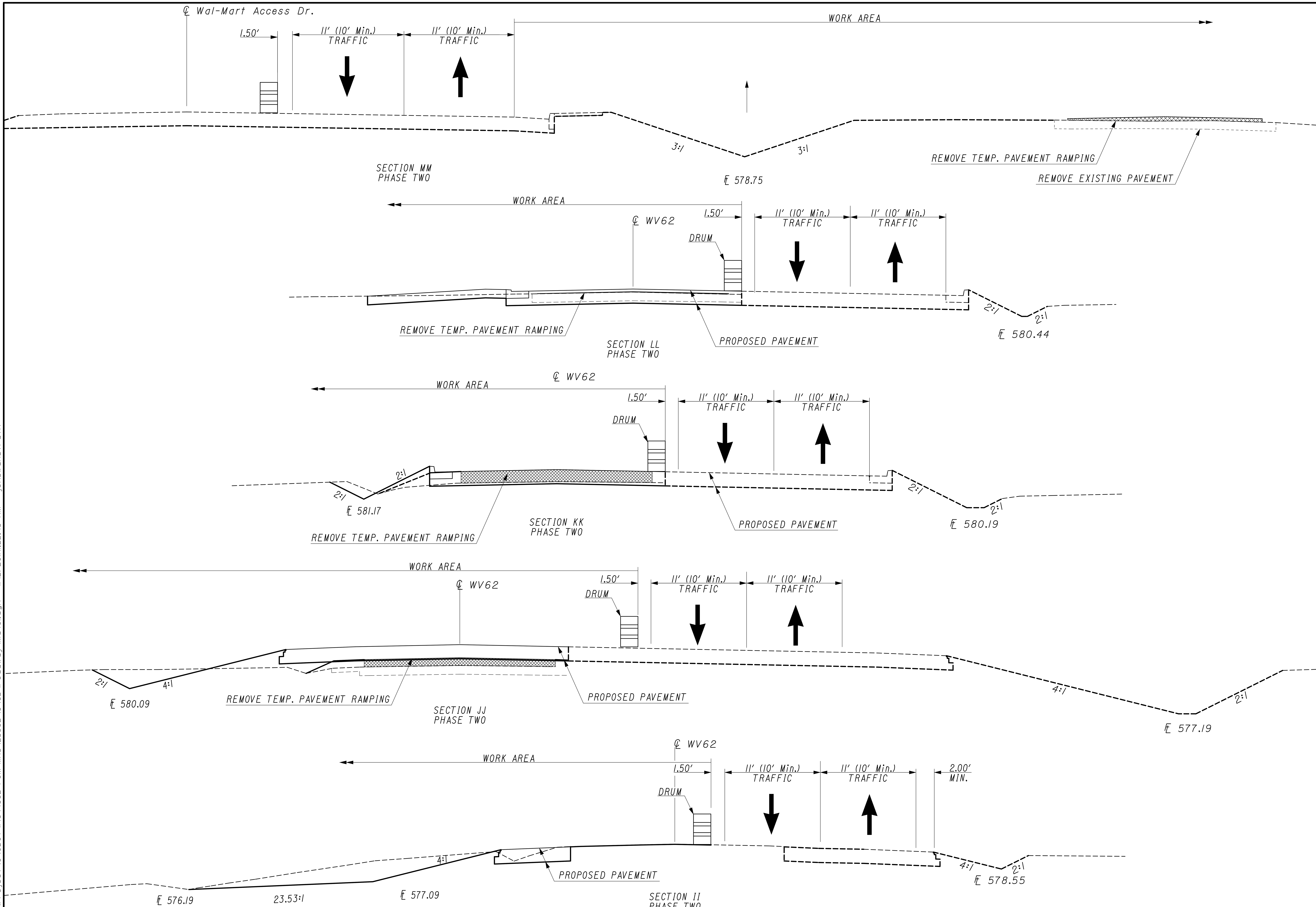
CALCULATED JGB
CHECKED AM

PHASE ONE MOT TYPICAL SECTIONS WV62 & WAL-MART DR.

MEG-33-15.70



CALCULATED JGB
CHECKED AM

PHASE TWO MOT TYPICAL SECTIONS WV62 & WAL-MART DR.

MEG-33-15.70

37
582

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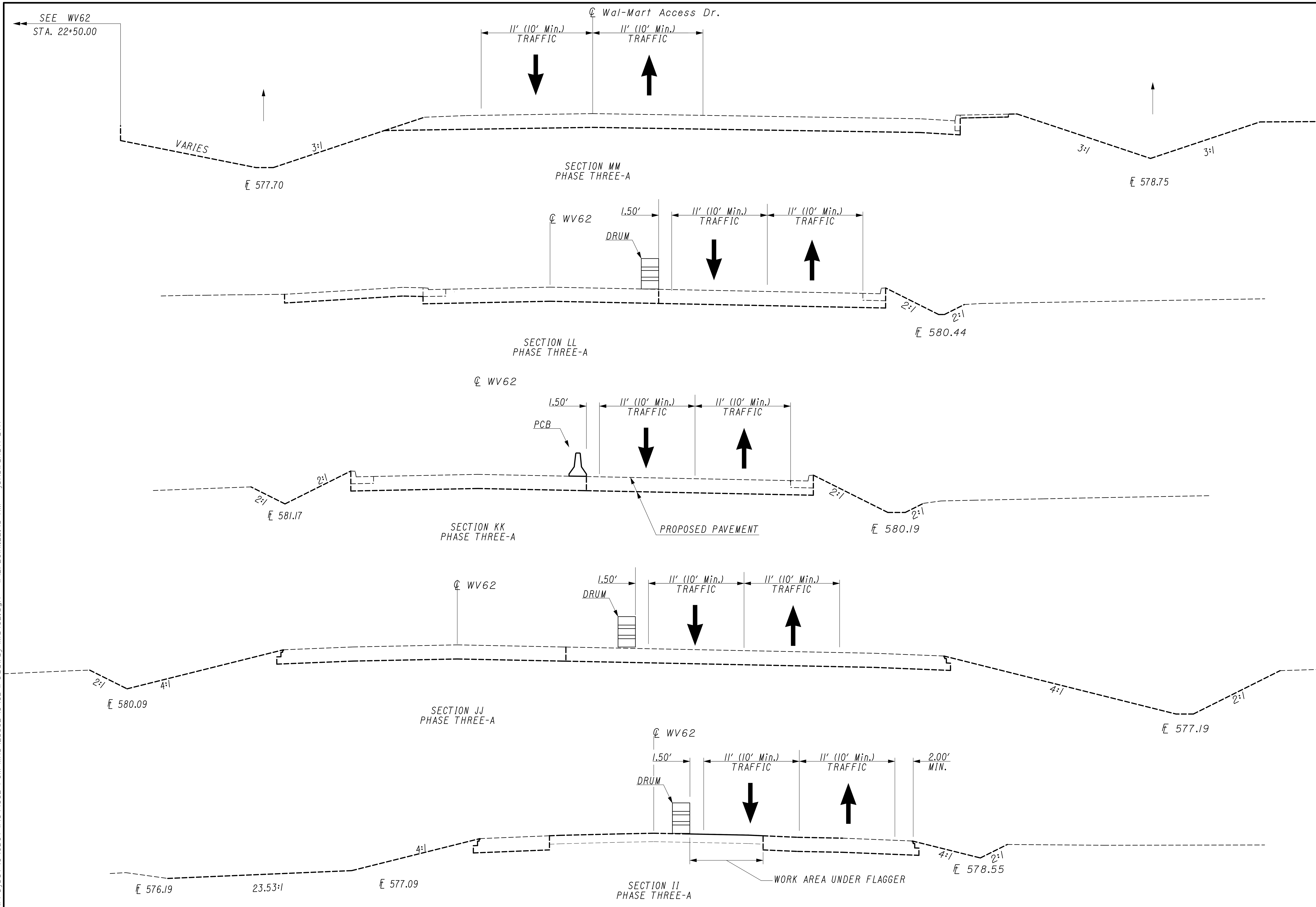

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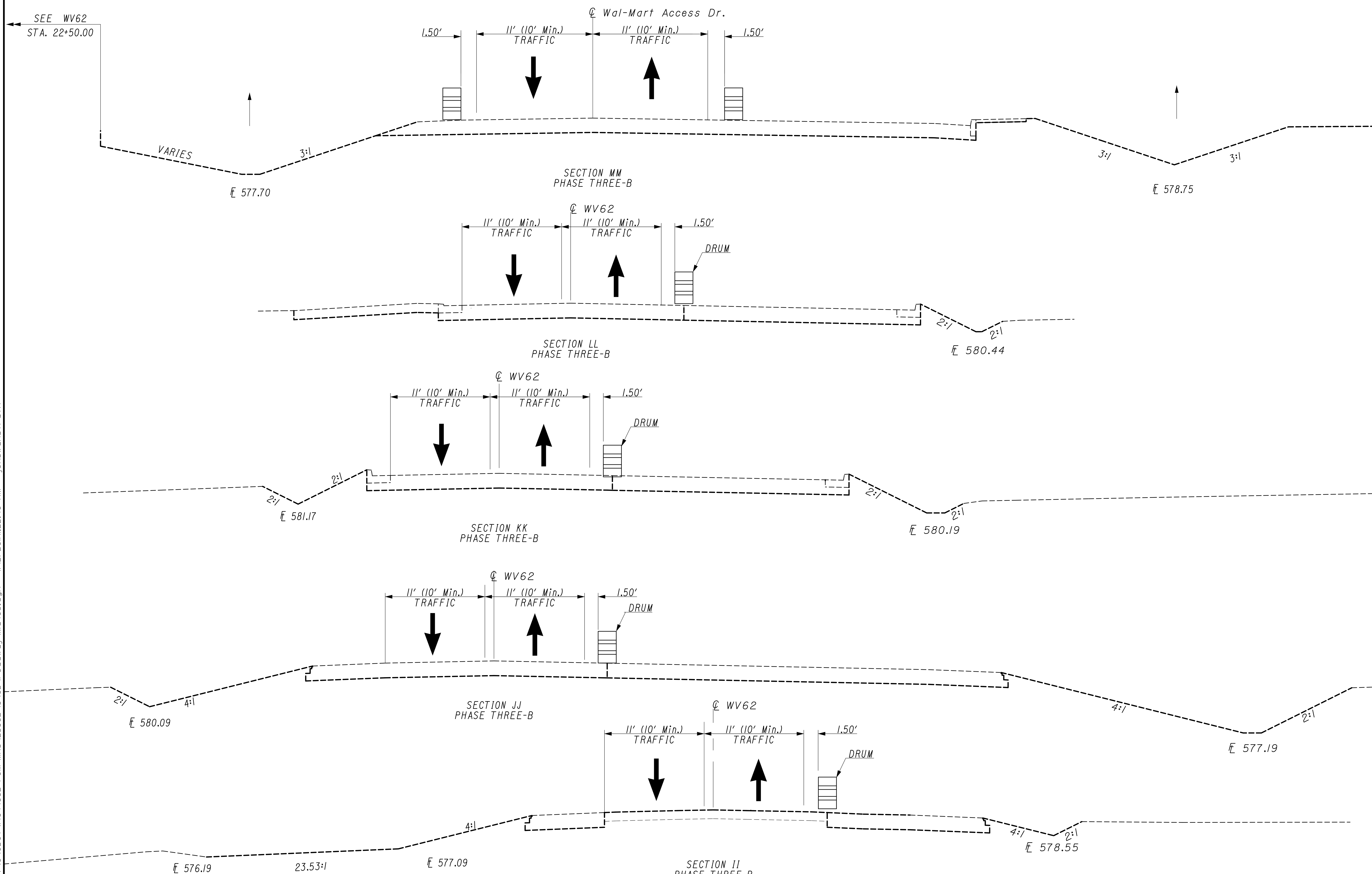
CALCULATED JGB
CHECKED AM

PHASE THREE-A MOT TYPICAL SECTIONS WV62 & WAL-MART DR.

MEG-33-15.70

38
582



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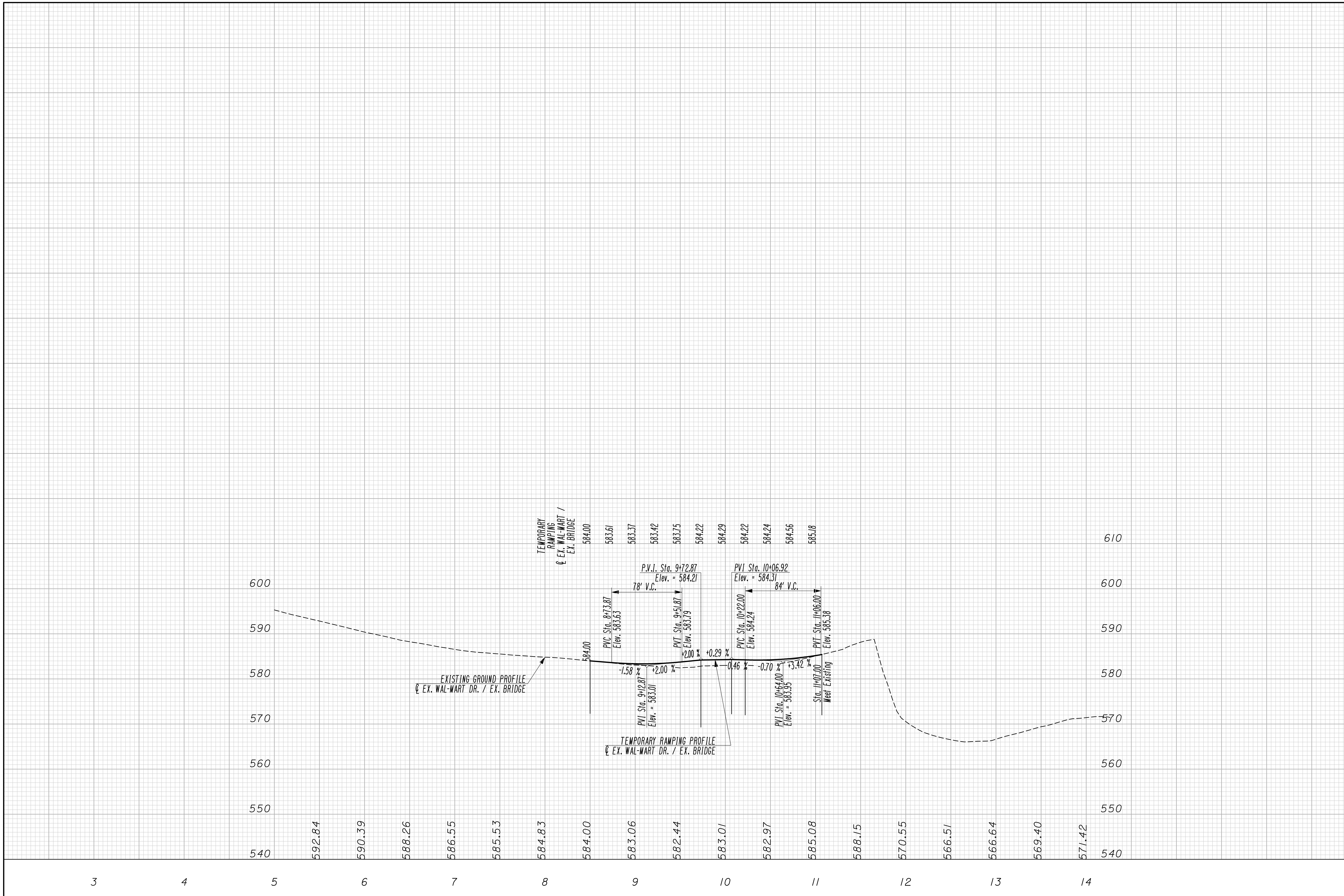
CALCULATED JGB
CHECKED AM

PHASE THREE-B MOT TYPICAL SECTIONS WV62 & WAL-MART DR.

MEG-33-15.70



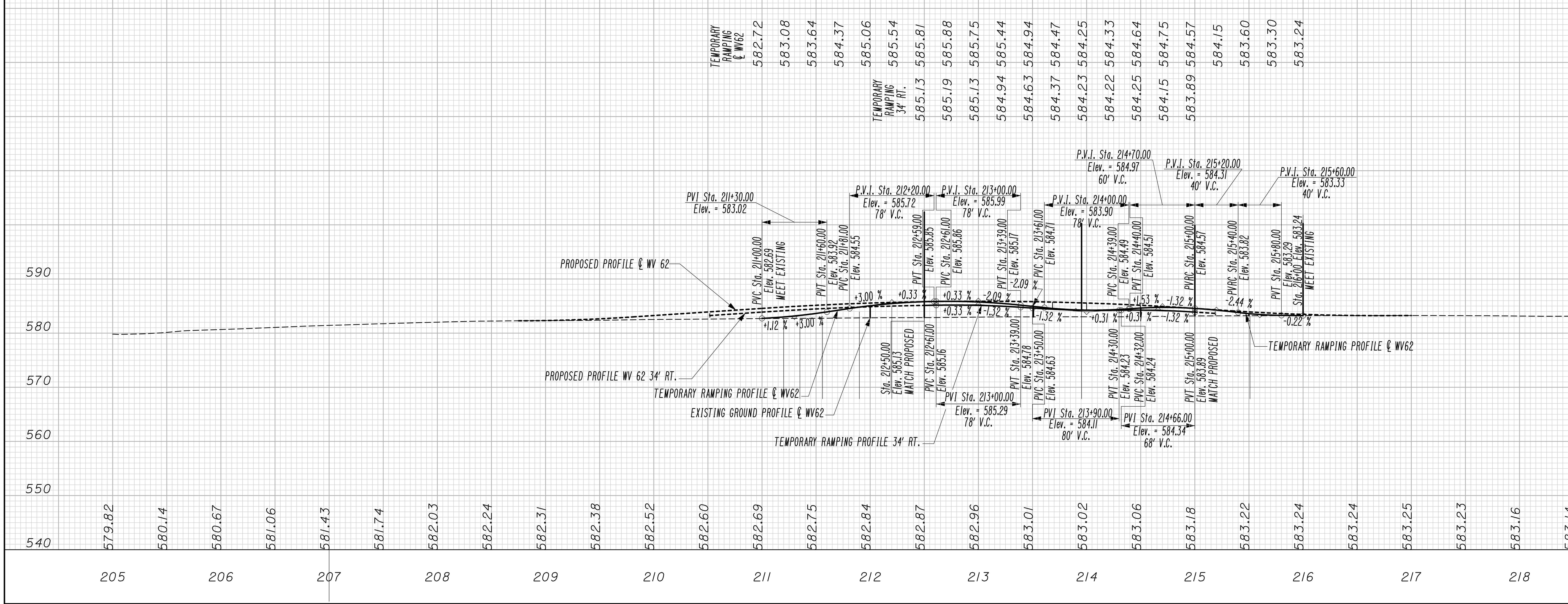
CALCULATED
CHECKED

PROFILE EXIST. WAL-MART DR. / EXIST. BRIDGE TEMPORARY INTERSECTION RAMPING

MEG-33-15.70

TEMPORARY PAVEMENT PHASE 1						
WV62 STATION	DISTANCE FEET	END AREA SQ. FT.	AVE. END AREA SQ. FT.	VOLUME CU. YD.	BASE, TYPE I QUANTITY TON	BASE, TYPE II QUANTITY TON
211+00.00		0.00				
211+50.00	50.00	18.93	9.47	17.53	17.35	17.35
212+00.00	50.00	48.84	33.89	62.75	62.12	62.12
212+50.00	50.00	64.68	56.76	105.11	104.06	104.06
213+50.00	100.00	54.45	59.57	220.61	218.41	218.41
214+00.00	50.00	116.83	85.64	158.59	157.01	157.01
214+50.00	50.00	108.03	112.43	208.20	206.12	206.12
215+00.00	50.00	93.85	100.94	186.93	185.06	185.06
215+50.00	50.00	8.36	51.11	94.64	93.69	93.69
216+00.00	50.00	0.00	4.18	7.74	7.66	7.66
SUBTOTAL					1051.48	1051.48
TEMP. WAL-MART STATION	DISTANCE FEET	END AREA SQ. FT.	END AREA SQ. FT.	VOLUME CU. YD.	BASE, TYPE I QUANTITY TON	BASE, TYPE II QUANTITY TON
8+52.28		0.00				
9+00.00	47.72	6.82	3.41	6.03	5.97	5.97
9+50.00	50.00	28.82	17.82	33.00	32.67	32.67
9+61.80	11.80	70.72	49.77	21.75	21.53	21.53
SUBTOTAL					60.17	60.17
TOTAL PHASE 1 CARRIED TO SUB-SUMMARY SHEET 23					1111.65	1111.65

TEMPORARY PAVEMENT PHASE 2						
WV62 STATION	DISTANCE FEET	END AREA SQ. FT.	AVE. END AREA SQ. FT.	VOLUME CU. YD.	BASE, TYPE I QUANTITY TON	BASE, TYPE II QUANTITY TON
213+55.05		0.00				
213+94.18	25.68	78.97	39.49	37.55	37.18	37.18
214+14.20	20.02	83.43	81.20	60.21	59.61	59.61
214+50.00	35.80	18.32	50.88	67.46	66.78	66.78
215+00.00	50.00	0.00	9.16	16.96	16.79	16.79
TOTAL PHASE 2 CARRIED TO SUB-SUMMARY SHEET 23					180.36	180.36



PROFILE
TEMPORARY RAMPING WV 62

MEG-33-15.70

41/582

J:\Project\O\ODOT\14944862 POM-MAS\25862-18\CD\roadway\Wm400.dgn - 1/12/2011 11:22:48 AM - jon_wanstrath

NOT USED

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED JGB
CHECKED AM

EXISTING WEST MAIN STREET PROFILE DURING MAINTENANCE OF TRAFFIC

MEG-33-15.70

NOT USED

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED JGB

CHECKED AM

EXISTING WEST MAIN STREET PROFILE
DURING MAINTENANCE OF TRAFFIC

MEG-33-15.70

NOT USED

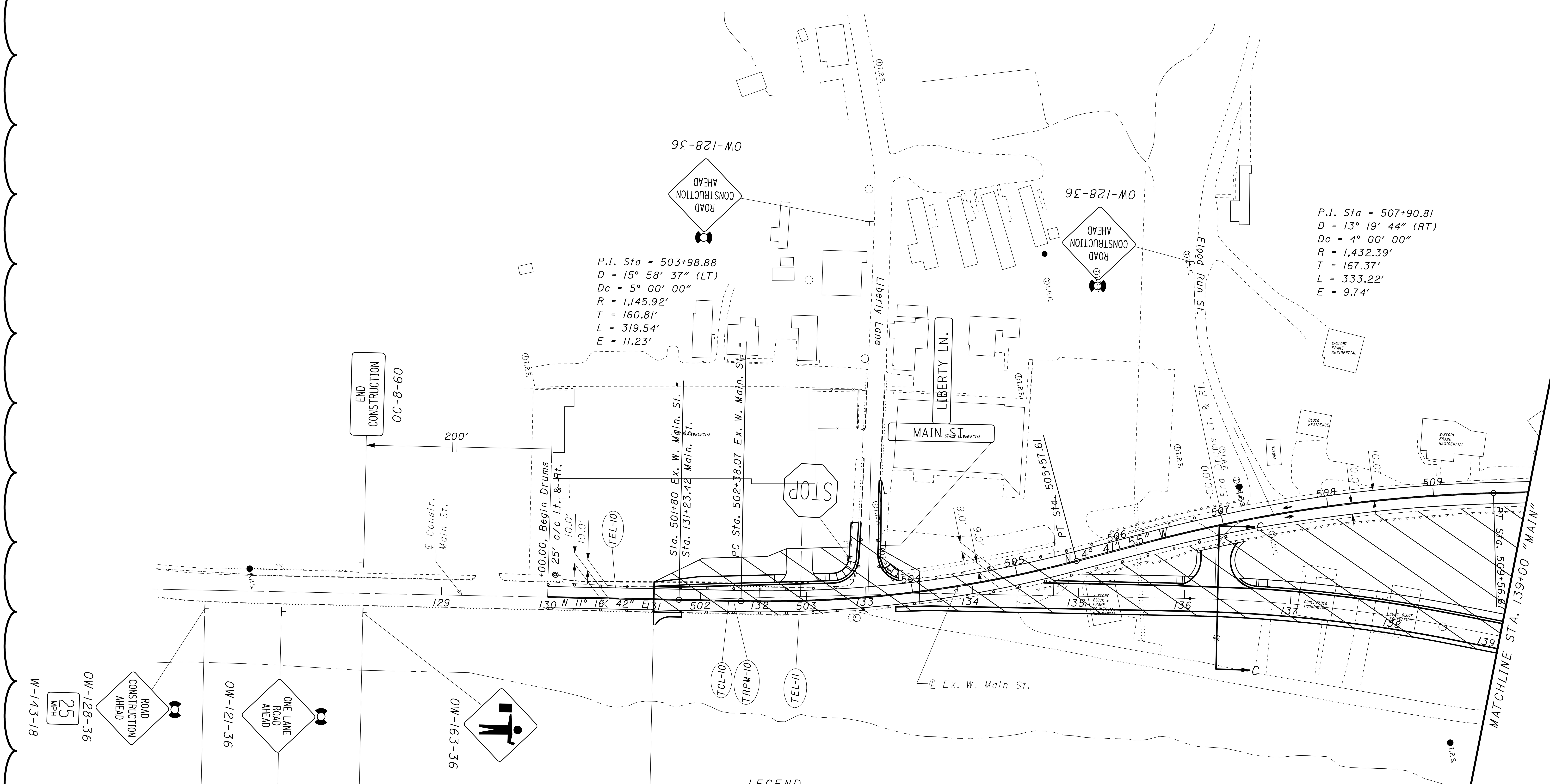
NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED JGB

CHECKED AM

SR 833 PROFILE BETWEEN STA. 43+88.60 AND STA. 45+13.00 DURING MAINTENANCE OF TRAFFIC

MEG-33-15.70



LEGEND

(symbol)	Type A Construction Warning Lights
(symbol)	32" Portable Concrete Barrier
(symbol)	Tapered End Section
(symbol)	Drums
(hatch)	Item 615, Temporary Pavement, Class A
(hatch)	Item 614, Bituminous Concrete for Maintaining Traffic
(hatch)	Work Area

NOTES:
1. All existing signs shall remain in place until there is a specific need to move them.
2. Install applicable permanent signs.

For Phase One Typical Sections See Sheet No. 34.
For Quantities See Sub Summary Sheet No. 25-26.

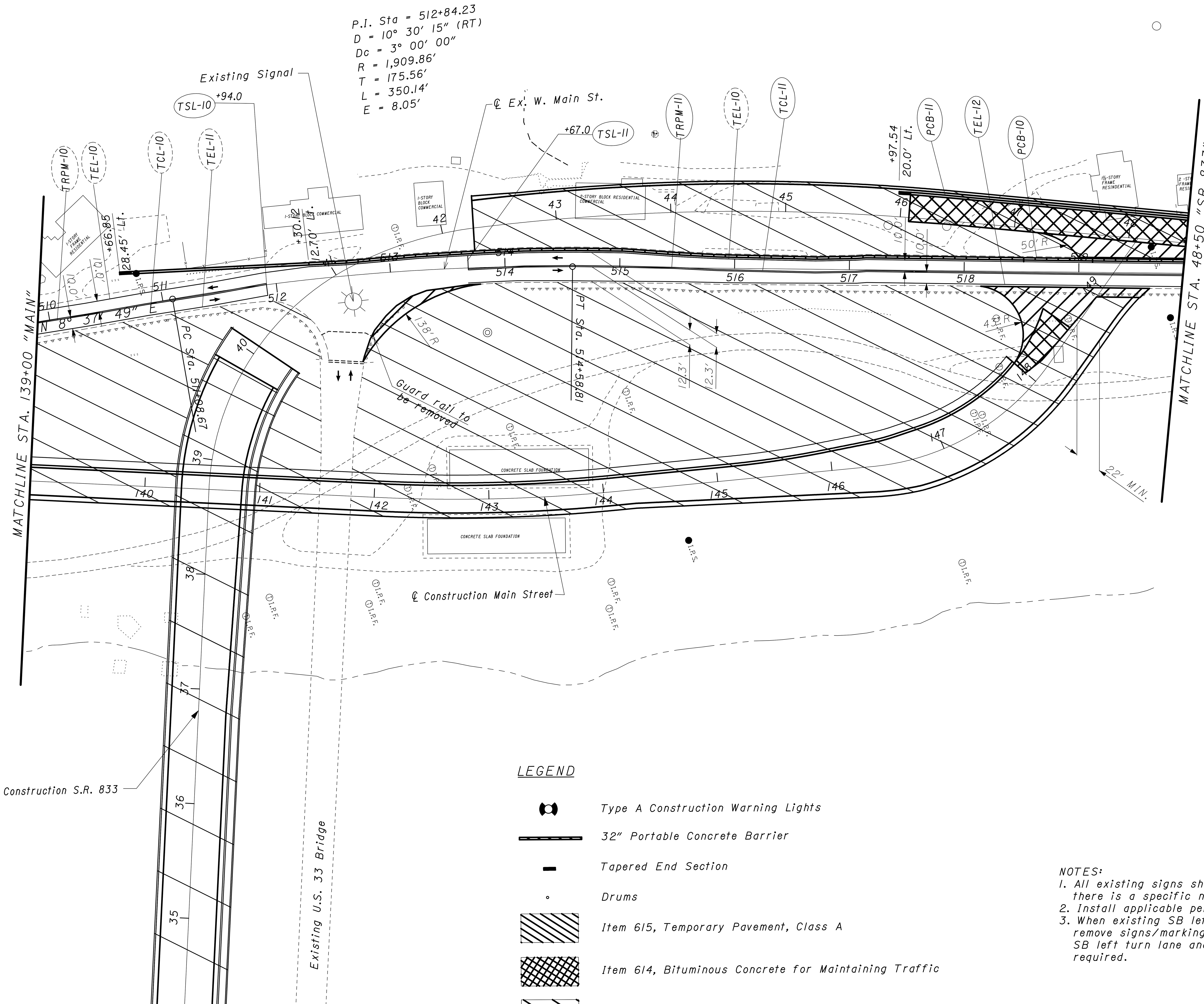
NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

HORIZONTAL SCALE IN FEET (0, 25, 50, 100)

CALCULATED SJ
CHECKED REF

MAINTENANCE OF TRAFFIC PLAN
OHIO - PHASE ONE

MEG-33-15.70



LEGEND

- Type A Construction Warning Lights
- 32" Portable Concrete Barrier
- Tapered End Section
- Drums
- Item 615, Temporary Pavement, Class A
- Item 614, Bituminous Concrete for Maintaining Traffic
- Work Area

NOTES:

1. All existing signs shall remain in place until there is a specific need to move them.
2. Install applicable permanent signs.
3. When existing SB left turn lane is removed, remove signs/markings that refer to existing SB left turn lane and adjust signal timing as required.

For Phase One Typical Sections See Sheet Nos. 29, 30 and 34.
For Quantities See Sub Summary Sheet No. 25-26.

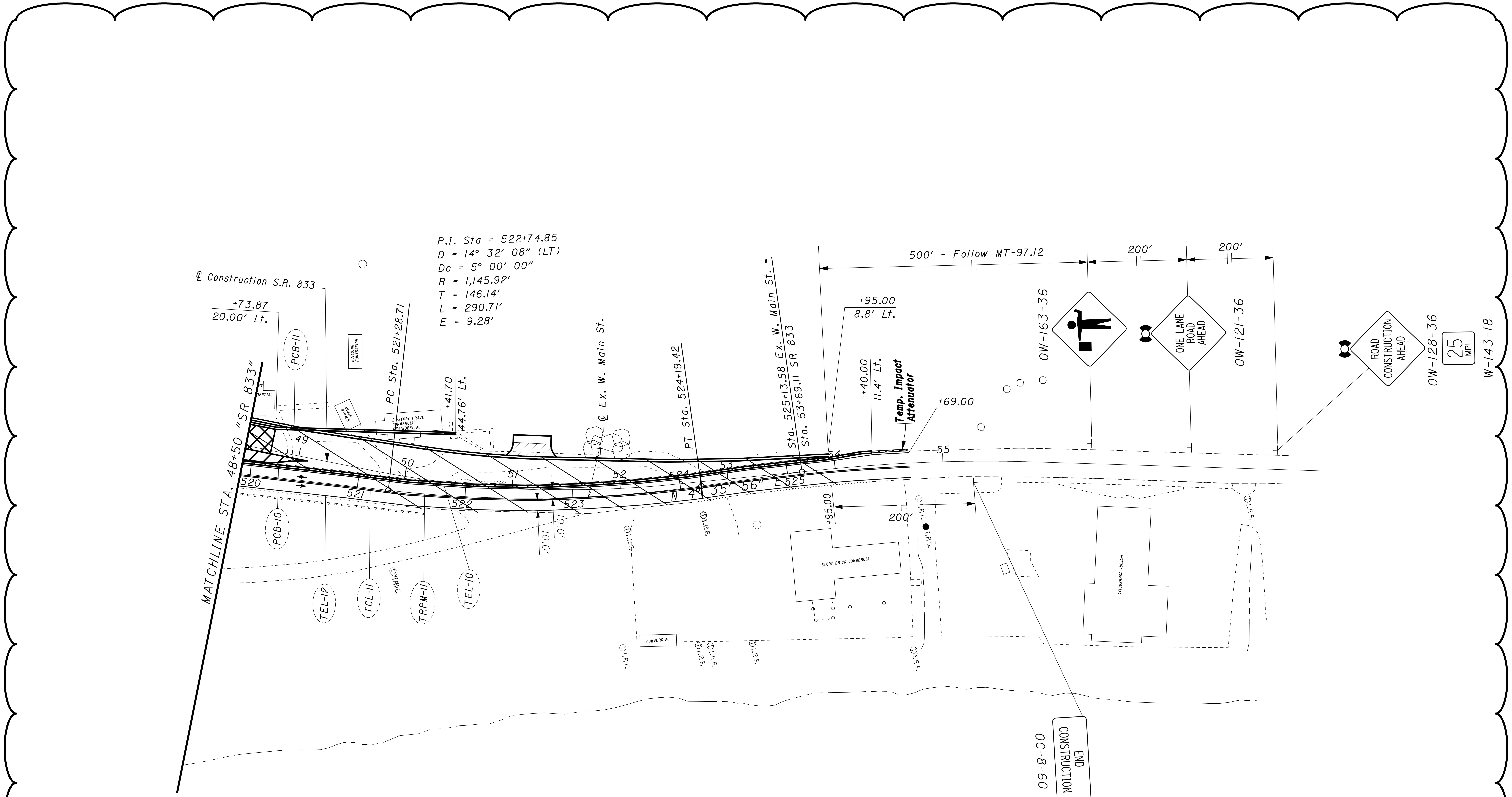
NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

HORIZONTAL SCALE IN FEET 0 25 50 100

CALCULATED SJ
CHECKED REF

MAINTENANCE OF TRAFFIC PLAN
OHIO - PHASE ONE

MEG-33-15.70



LEGEND

- Type A Construction Warning Lights
- 32″ Portable Concrete Barrier
- Tapered End Section
- Drums
- Item 615, Temporary Pavement, Class A
- Item 614, Bituminous Concrete for Maintaining Traffic
- Work Area

NOTES:
1. All existing signs shall remain in place until there is a specific need to move them.
2. Install applicable permanent signs.

For Phase One Typical Sections See Sheet No. 29.
For Quantities See Sub Summary Sheet No. 25-26.

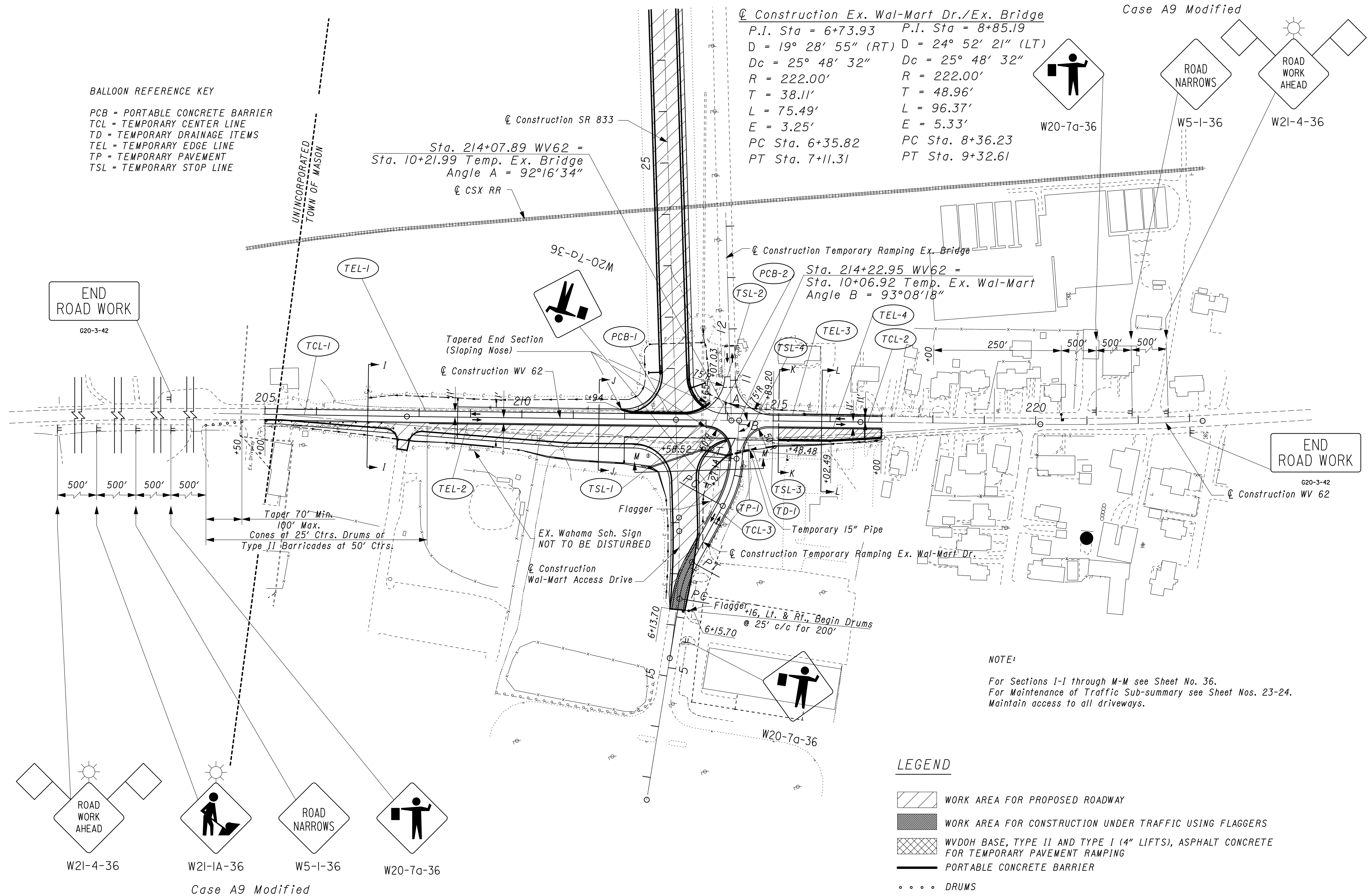
NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

HORIZONTAL SCALE IN FEET (0, 25, 50, 100)

CALCULATED SJ
CHECKED REF

MAINTENANCE OF TRAFFIC PLAN
OHIO - PHASE ONE

MEG-33-15.70



NOTE:

For Sections I-I through M-M see Sheet No. 36.
For Maintenance of Traffic Sub-summary see Sheet Nos. 23-24.
Maintain access to all driveways.

LEGEND

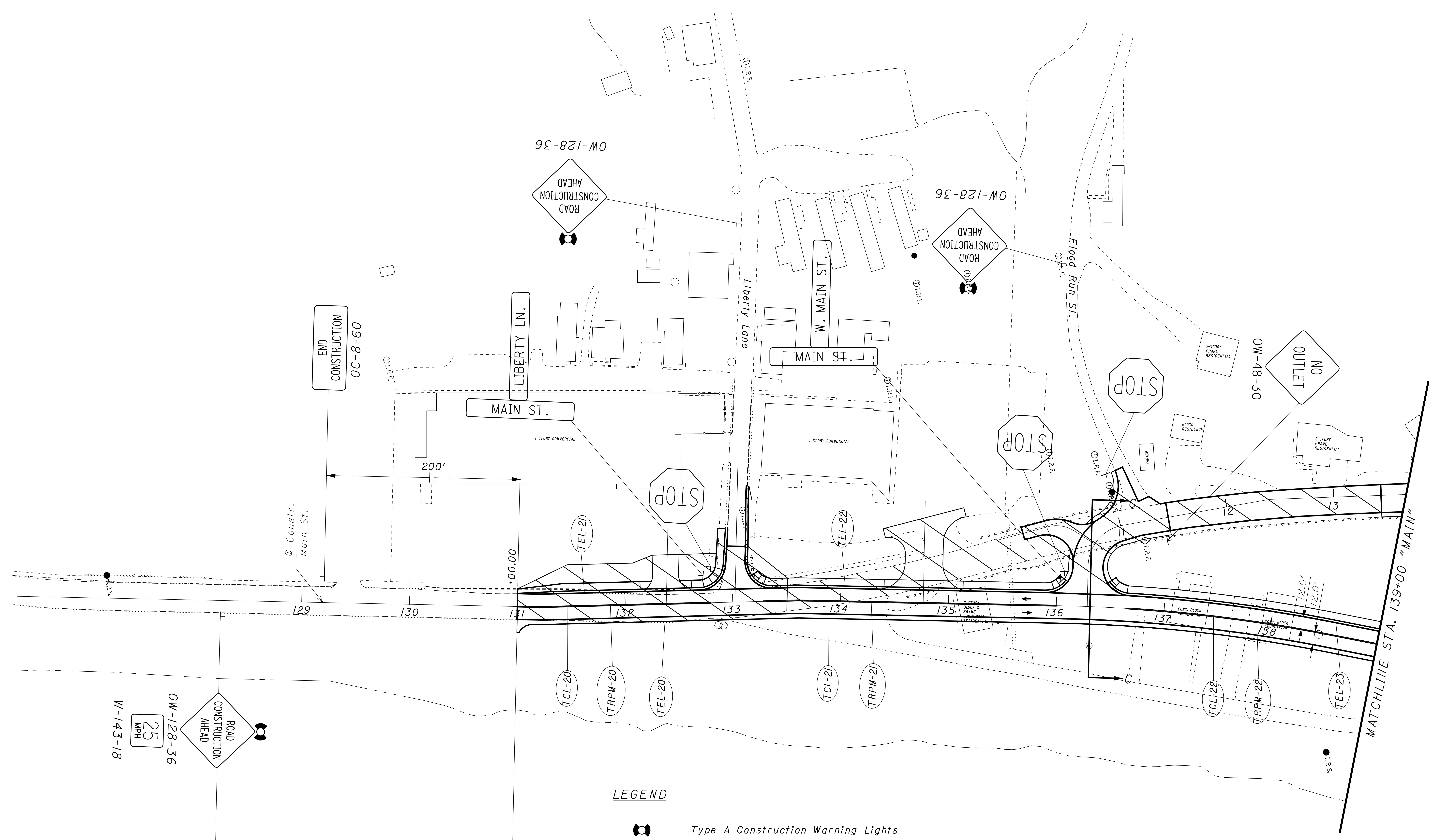
- WORK AREA FOR PROPOSED ROADWAY
- WORK AREA FOR CONSTRUCTION UNDER TRAFFIC USING FLAGGERS
- WVDOH BASE, TYPE II AND TYPE I (4″ LIFTS), ASPHALT CONCRETE FOR TEMPORARY PAVEMENT RAMPING
- PORTABLE CONCRETE BARRIER
- DRUMS
- FLAGGER
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- DIRECTION OF TRAVEL
- SIGNS WITH 18″ (MIN.) ORANGE FLAGS ATTACHED AND TYPE "B" LIGHT

HORIZONTAL SCALE IN FEET 0 50 100 200

CALCULATED JGB
CHECKED AM

MAINTENANCE OF TRAFFIC - PHASE ONE
WV 62 AND WAL-MART ACCESS DRIVE

MEG-33-15.70



LEGEND

- Type A Construction Warning Lights
- 32" Portable Concrete Barrier
- Tapered End Section
- Drums
- Item 615, Temporary Pavement, Class A
- Item 614, Bituminous Concrete for Maintaining Traffic
- Work Area

NOTES:
1. All existing signs shall remain in place until there is a specific need to move them.
2. Install applicable permanent signs.

For Phase Two Typical Sections See Sheet No. 35.
For Quantities See Sub Summary Sheet No. 25-26.

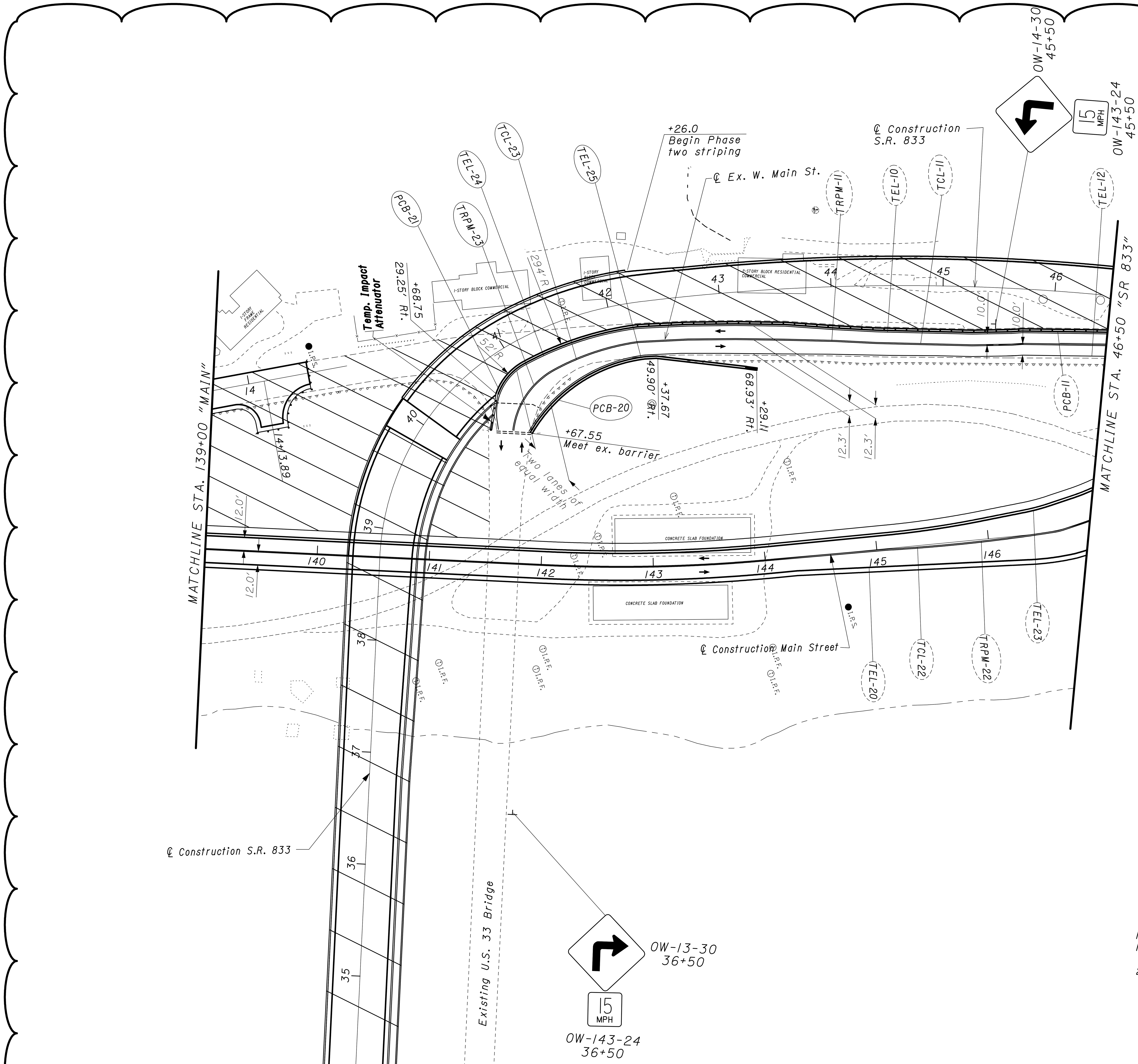
NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED SJ
CHECKED REF

HORIZONTAL SCALE IN FEET 0 25 50 100

MAINTENANCE OF TRAFFIC PLAN
OHIO - PHASE TWO

MEG-33-15.70



LEGEND

- Type A Construction Warning Lights
- 32" Portable Concrete Barrier
- Tapered End Section
- Drums
- Item 615, Temporary Pavement, Class A
- Item 614, Bituminous Concrete for Maintaining Traffic
- Work Area

NOTES:
1. All existing signs shall remain in place until there is a specific need to move them.
2. Install applicable permanent signs.

For Phase Two Typical Sections See Sheet Nos. 31 and 35.
For Quantities See Sub Summary Sheet No. 25-26.

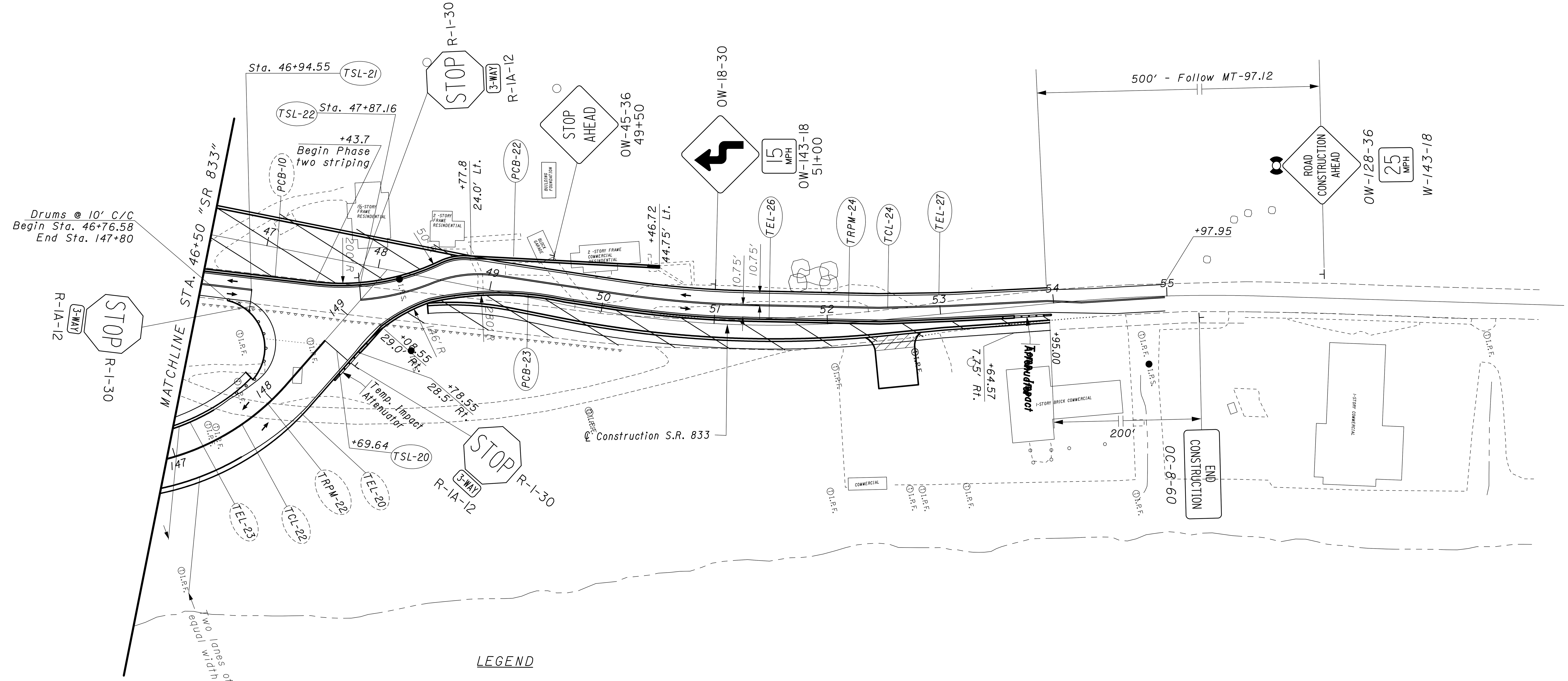
NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

HORIZONTAL SCALE IN FEET

CALCULATED SJ
CHECKED REF

MAINTENANCE OF TRAFFIC PLAN
OHIO - PHASE TWO

MEG-33-15.70



LEGEND

- Type A Construction Warning Lights
- 32" Portable Concrete Barrier
- Tapered End Section
- Drums
- Item 615, Temporary Pavement, Class A
- Item 614, Bituminous Concrete for Maintaining Traffic
- Work Area

NOTES:
1. All existing signs shall remain in place until there is a specific need to move them.
2. Install applicable permanent signs.

For Phase Two Typical Sections See Sheet No. 31.
For Quantities See Sub Summary Sheet No. 25-26.

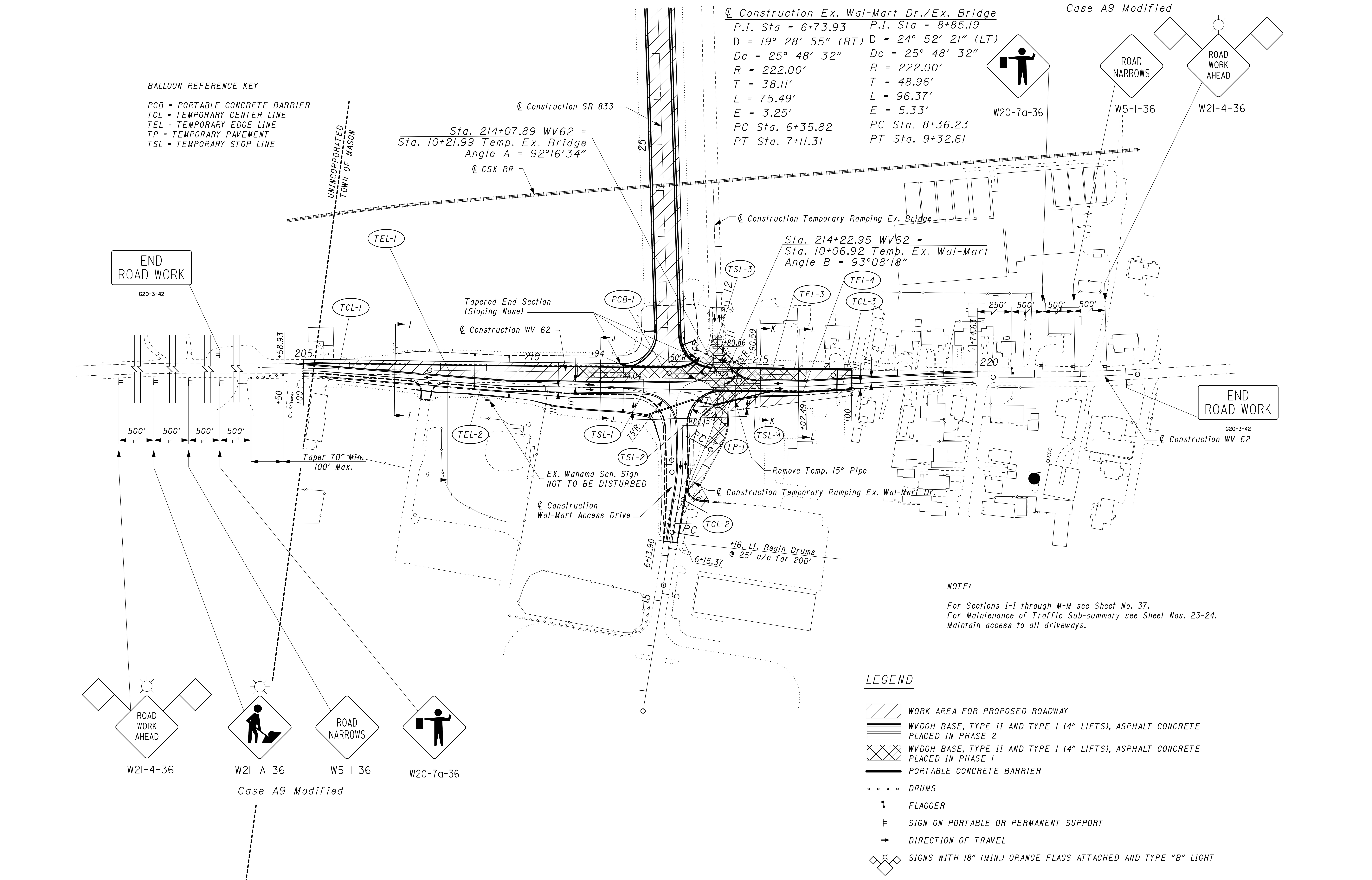
NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

HORIZONTAL SCALE IN FEET: 0 25 50 100

CALCULATED SJ
CHECKED REF

MAINTENANCE OF TRAFFIC PLAN
OHIO - PHASE TWO

MEG-33-15.70



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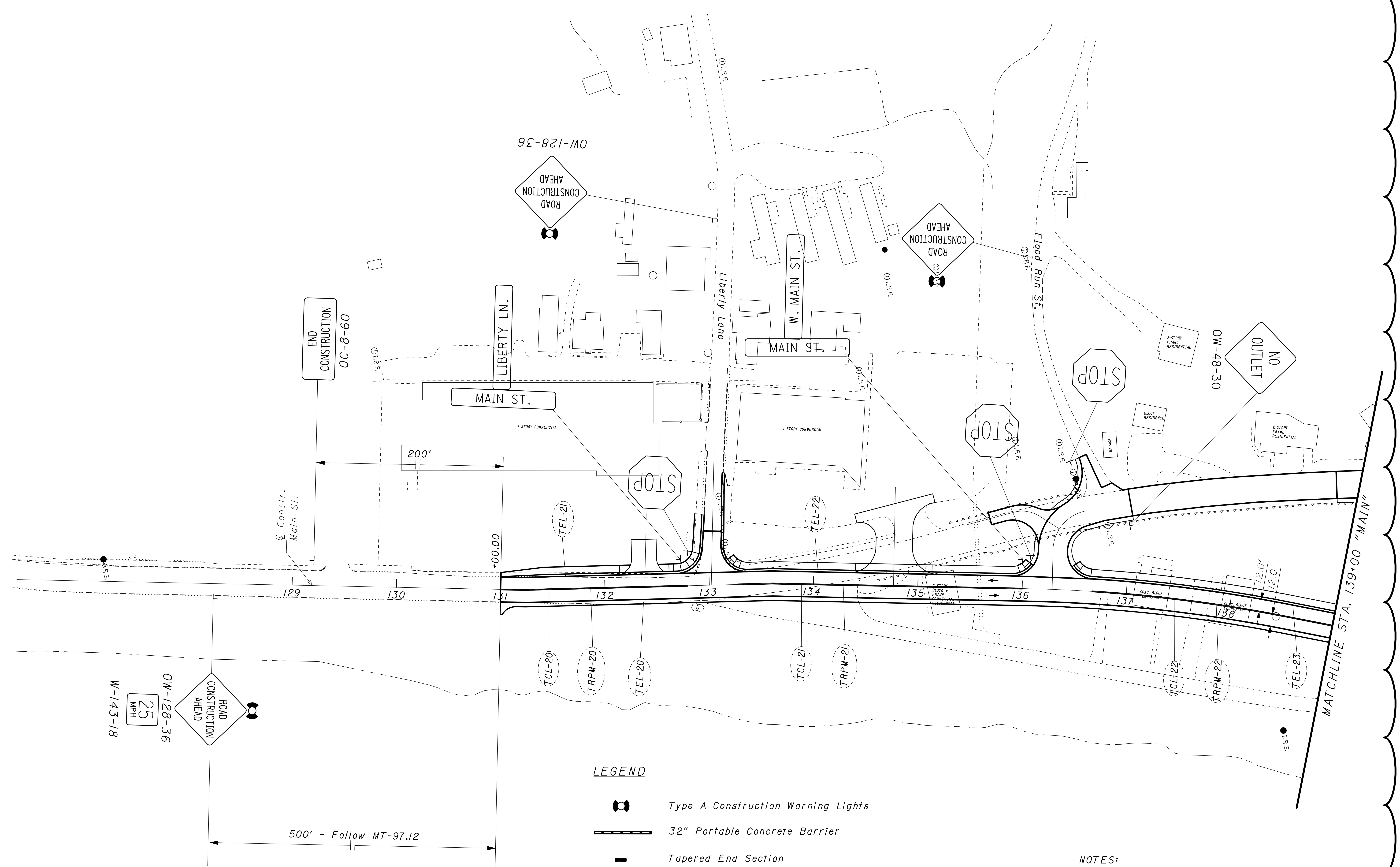
HORIZONTAL SCALE IN FEET 0 50 100 200

CALCULATED JGB
CHECKED AM

MAINTENANCE OF TRAFFIC - PHASE TWO
WV 62 AND WAL-MART ACCESS DRIVE

MEG-33-15.70



LEGEND

	Type A Construction Warning Lights
	32" Portable Concrete Barrier
	Tapered End Section
	Drums
	Item 615, Temporary Pavement, Class A
	Item 614, Bituminous Concrete for Maintaining Traffic
	Work Area

NOTES:
1. All existing signs shall remain in place until there is a specific need to move them.
2. Install applicable permanent signs.

For Quantities See Sub Summary Sheet No. 25-26.

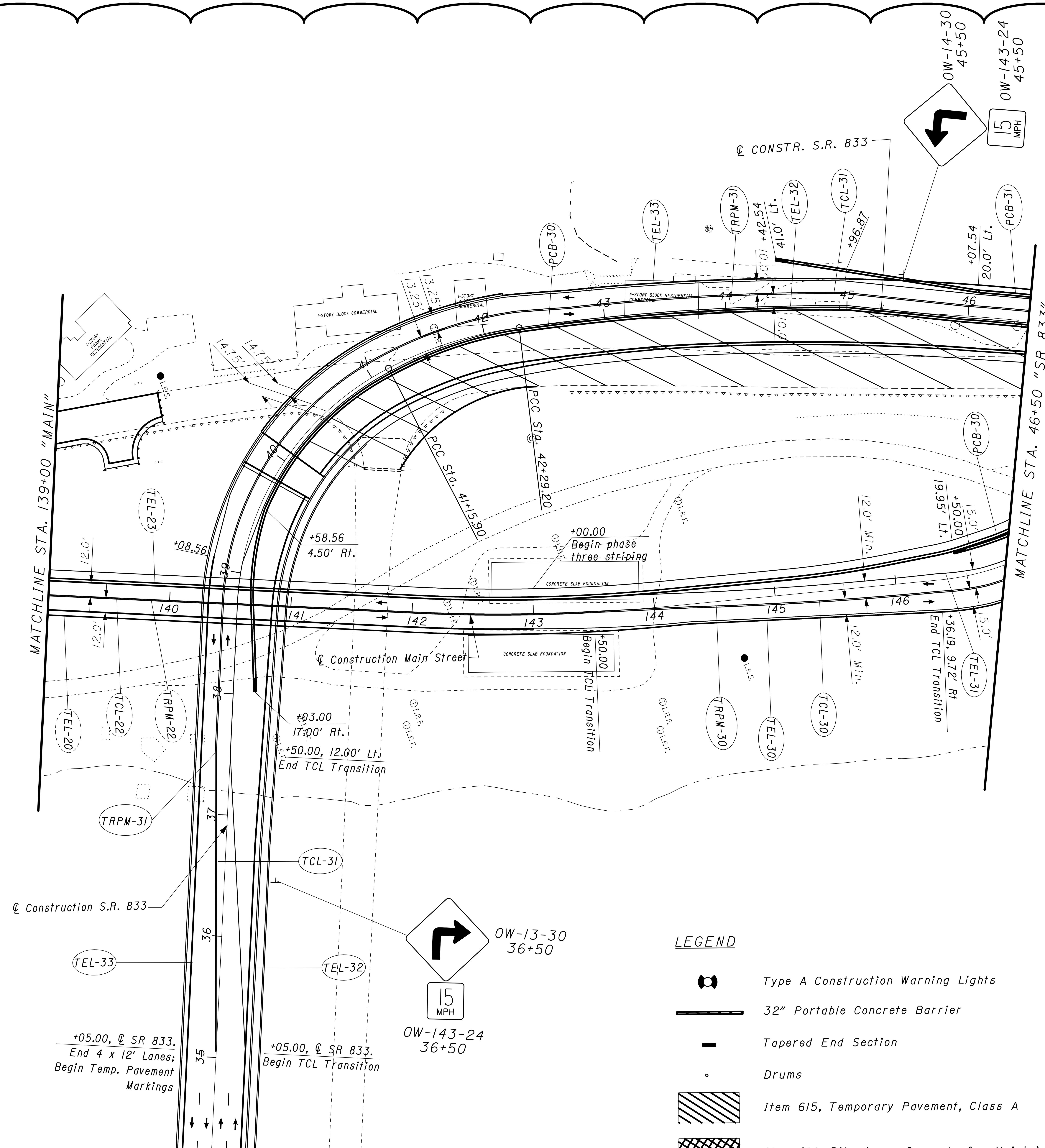
NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

0 25 50 100
HORIZONTAL SCALE IN FEET

CALCULATED SJ
CHECKED REF

MAINTENANCE OF TRAFFIC PLAN
OHIO - PHASE THREE

MEG-33-15.70



LEGEND

- Type A Construction Warning Lights
- 32" Portable Concrete Barrier
- Tapered End Section
- Drums
- Item 615, Temporary Pavement, Class A
- Item 614, Bituminous Concrete for Maintaining Traffic
- Work Area

NOTES:
1. All existing signs shall remain in place until there is a specific need to move them.
2. Install applicable permanent signs.

For Phase Three Typical Sections See Sheet Nos. 33 and 33A.
For Quantities See Sub Summary Sheet No. 25-26.

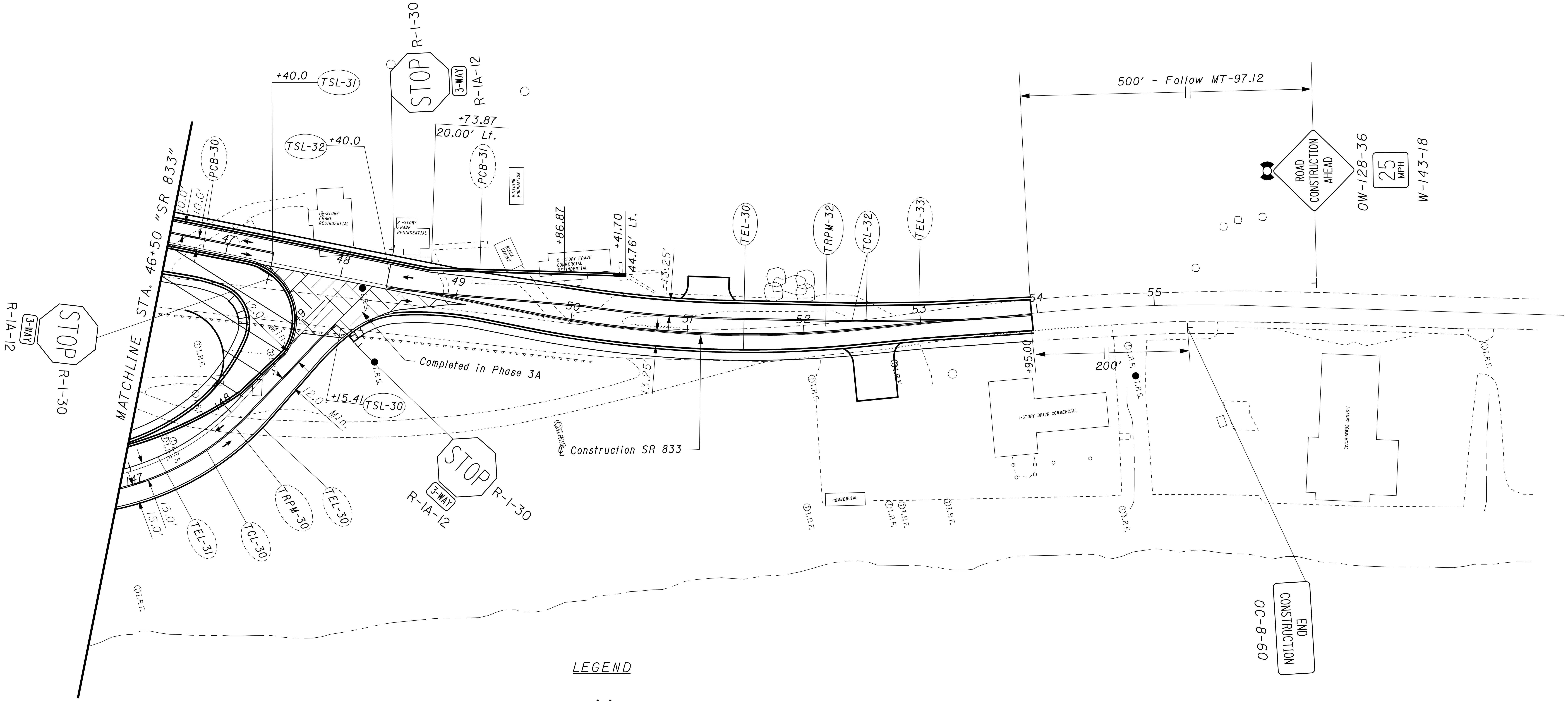
NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

HORIZONTAL SCALE IN FEET (0 25 50 100)

CALCULATED SJ
CHECKED REF

MAINTENANCE OF TRAFFIC PLAN
OHIO - PHASE THREE

MEG-33-15.70



LEGEND

Type A Construction Warning Lights

32" Portable Concrete Barrier

Tapered End Section

Drums

Item 615, Temporary Pavement, Class A

Item 614, Bituminous Concrete for Maintaining Traffic

Work Area

NOTES:
1. All existing signs shall remain in place until there is a specific need to move them.
2. Install applicable permanent signs.

For Phase Three Typical Sections See Sheet No. 33A.
For Quantities See Sub Summary Sheet No. 25-26.

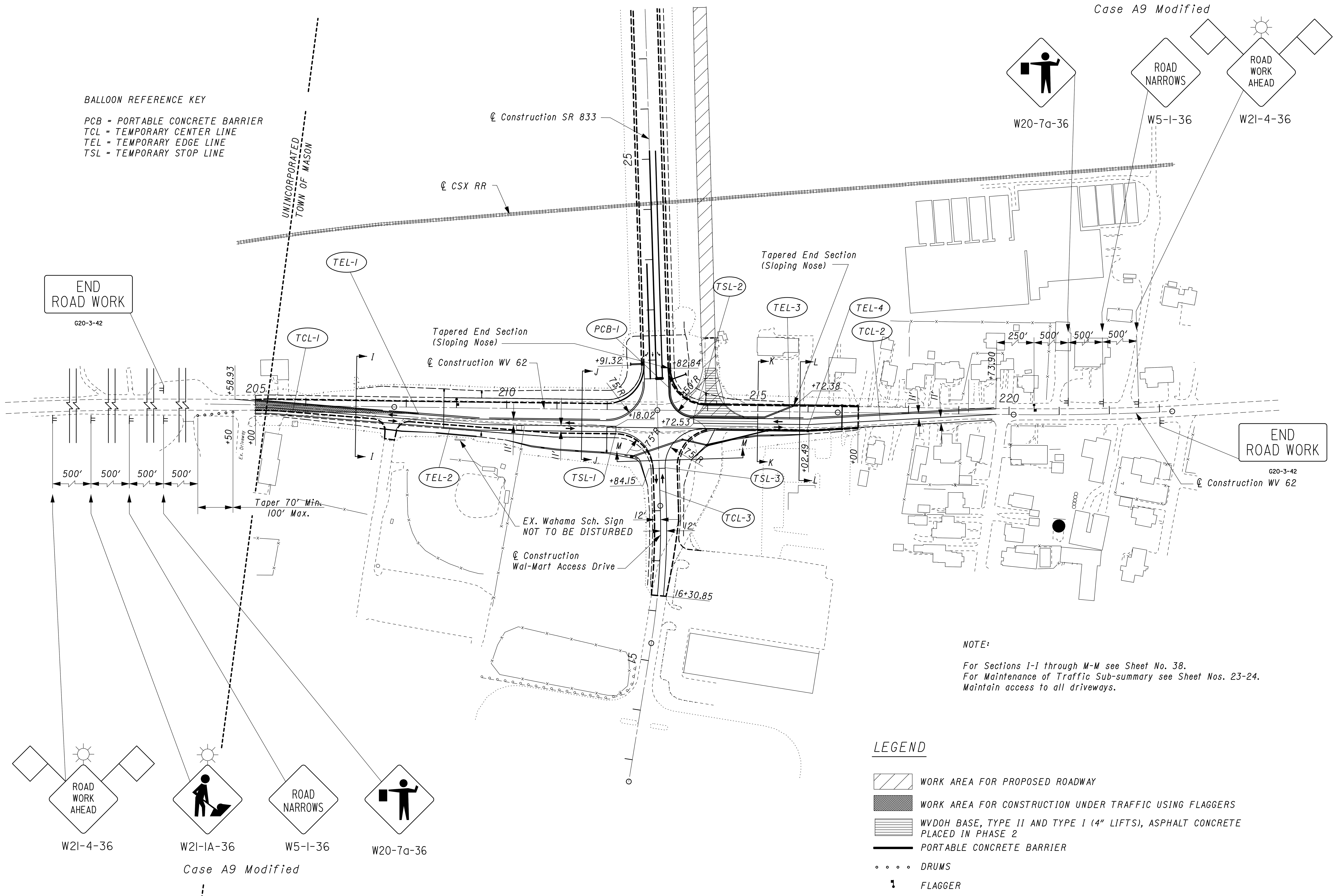
NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

HORIZONTAL SCALE IN FEET

CALCULATED SJ
CHECKED REF

MAINTENANCE OF TRAFFIC PLAN
OHIO - PHASE THREE

MEG-33-15.70



NOTE:

For Sections I-I through M-M see Sheet No. 38.
For Maintenance of Traffic Sub-summary see Sheet Nos. 23-24.
Maintain access to all driveways.

LEGEND

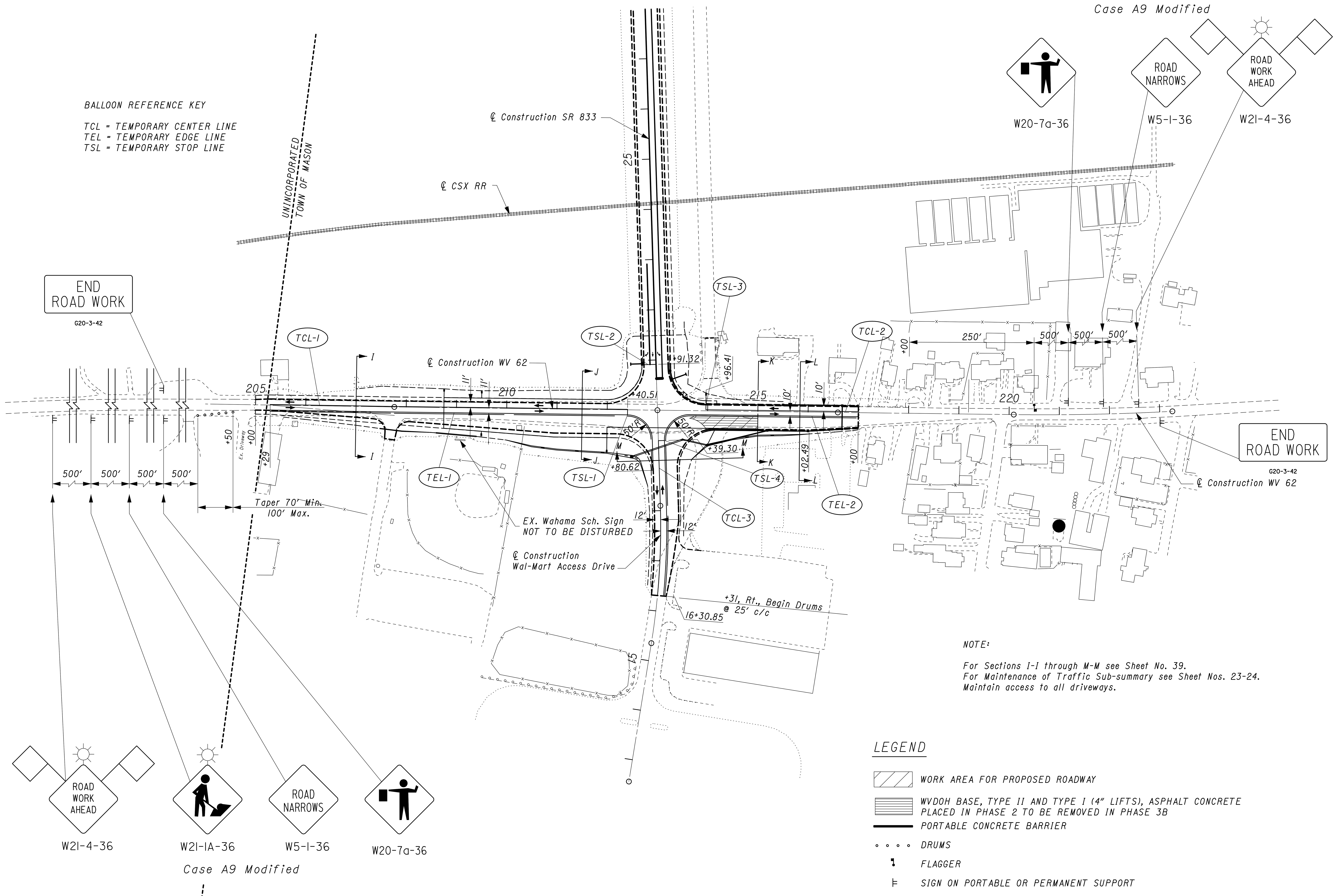
- WORK AREA FOR PROPOSED ROADWAY
- WORK AREA FOR CONSTRUCTION UNDER TRAFFIC USING FLAGGERS
- WVDOH BASE, TYPE II AND TYPE I (4" LIFTS), ASPHALT CONCRETE PLACED IN PHASE 2
- PORTABLE CONCRETE BARRIER
- DRUMS
- FLAGGER
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- DIRECTION OF TRAVEL
- SIGNS WITH 18" (MIN.) ORANGE FLAGS ATTACHED AND TYPE "B" LIGHT

0 50 100 200
HORIZONTAL SCALE IN FEET

CALCULATED JGB
CHECKED AM

MAINTENANCE OF TRAFFIC - PHASE THREE A
WV 62 AND WAL-MART ACCESS DRIVE

MEG-33-15.70



NOTE:

For Sections I-I through M-M see Sheet No. 39.
For Maintenance of Traffic Sub-summary see Sheet Nos. 23-24.
Maintain access to all driveways.

LEGEND

- WORK AREA FOR PROPOSED ROADWAY
- WVDOH BASE, TYPE II AND TYPE I (4" LIFTS), ASPHALT CONCRETE PLACED IN PHASE 2 TO BE REMOVED IN PHASE 3B
- PORTABLE CONCRETE BARRIER
- DRUMS
- FLAGGER
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- DIRECTION OF TRAVEL
- SIGNS WITH 18" (MIN.) ORANGE FLAGS ATTACHED AND TYPE "B" LIGHT

HORIZONTAL SCALE IN FEET 0 50 100 200

CALCULATED JGB
CHECKED AM

MAINTENANCE OF TRAFFIC - PHASE THREE B
WV 62 AND WAL-MART ACCESS DRIVE

MEG-33-15.70

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	9/05	SCC
2	SALVAGE PUMP STATION	1/06	SCC
3	EXTEND ROCK CUT	1/06	SCC

SHEET NUMBER 15-18A	19-21	24	26	71	72A	73	74	76A	77	80, 80A	82	101	102	103	104	105	105A, 106	330	PARTICIPATION Town of Mason, WV	Unincorp. areas (WV)	Village of Pomeroy, OH	ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
																										---ROADWAY---	
LUMP																			LUMP	LUMP	LUMP	201	11000	LUMP		CLEARING AND GRUBBING	
				LUMP															LUMP		LUMP	202	11000	LUMP		STRUCTURE REMOVED	
				6481		9															6490	202	23000	6490	SQ YD	PAVEMENT REMOVED	
				1460															647		813	202	30000	1460	SQ FT	WALK REMOVED	
				495		8													207		296	202	32000	503	LIN FT	CURB REMOVED	
				139																	139	202	32500	139	LIN FT	CURB AND GUTTER REMOVED	
				662																	662	202	35100	662	LIN FT	PIPE REMOVED, 24" AND UNDER	
				104																	104	202	35200	104	LIN FT	PIPE REMOVED, OVER 24"	
				1572		110													113		1569	202	38000	1682	LIN FT	GUARDRAIL REMOVED	
					LUMP																LUMP	202	56000	LUMP		BUILDING DEMOLISHED	
					LUMP																LUMP	202	56001	LUMP		BUILDING DEMOLISHED, AS PER PLAN	18
				8																	8	202	58000	8	EACH	MANHOLE REMOVED	
				9															1		8	202	58100	9	EACH	CATCH BASIN REMOVED	
				4																	4	202	58200	4	EACH	INLET REMOVED	
				118																	118	202	75000	118	LIN FT	FENCE REMOVED	
						381											87173		6299	42	81213	203	12000	87554	CU YD	EXCAVATION NOT INCLUDING EMBANKMENT CONSTRUCTION	
																	5669				5669	203	13100	5669	CU YD	EXCAVATION OF UNSUITABLE MATERIAL	
						397											28337		5854	5	22875	203	20000	28734	CU YD	EMBANKMENT	
																	4768				4768	203	21001	4768	CU YD	EMBANKMENT USING GRANULAR MATERIAL, AS PER PLAN	16
10																			3	1	6	203	45000	10	HOUR	PROOF ROLLING	
						1649						26319							9926	46	17996	203	50000	27968	SQ YD	SUBGRADE COMPACTION	
28																					28	604	40500	28	EACH	REFERENCE MONUMENT	
					1525		164.66														1689.66	606	13000	1689.66	LIN FT	GUARDRAIL, TYPE 5	
					2																2	606	25000	2	EACH	ANCHOR ASSEMBLY, TYPE A	
					5		1														6	606	26500	6	EACH	ANCHOR ASSEMBLY, TYPE T	
					23165														1591		21574	608	10000	23165	SQ FT	4" CONCRETE WALK	
					9														2		7	608	49000	9	EACH	CURB RAMP	
					238																238	622	24000	238	LIN FT	CONCRETE BARRIER, TYPE D	
					~~412~~																~~412~~	622	24004	0	LIN FT	CONCRETE BARRIER, TYPE D1	~~218A~~
LUMP																			LUMP	LUMP	LUMP	SPECIAL	69098400	LUMP		MISC.: SOILS CONSULTANT FOR FIELD TESTING & INSPECTION	18
					15														12		3	SPECIAL	69098700	15	CU YD	MISC.: CLASS K CONCRETE (WVDOH)	18
																										---EROSION CONTROL---	
									2	24									2		24	601	11000	26	SQ YD	RIPRAP USING 6" REINFORCED CONCRETE SLAB	
10								12	78	259.43									100		259.43	601	32200	359.43	CU YD	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	
327																			82	1	244	601	34200	327	CU YD	ROCK CHANNEL PROTECTION, TYPE C WITHOUT FILTER	
									~~180~~												~~180~~	601	38000	0	LIN FT	PAVED GUTTER, TYPE 1-4	
									30	~~30~~									30			660	20000	30	SQ YD	SODDING REINFORCED	
									687	1737									687		1737	670	40000	2424	SQ YD	DITCH EROSION PROTECTION	
										462											462	670	41000	462	SQ YD	SLOPE EROSION PROTECTION	
6407																					6407	SPECIAL	69012010	6407	SQ YD	GEOTEXTILE FABRIC	16
2																			1		1	870	00100	2	EACH	SOIL ANALYSIS TEST	
5469																			1086	1	4382	870	00300	5469	CU YD	TOPSOIL	
							484										49050		9781	3	39750	870	10000	49534	SQ YD	SEEDING AND MULCHING	
2117																			489		1628	870	14000	2117	SQ YD	REPAIR SEEDING AND MULCHING	
2117																			489		1628	870	15000	2117	SQ YD	INTER-SEEDING	

CALCULATED JAG
CHECKED AM

GENERAL SUMMARY

MEG-33-15.70

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	9/05	SCC
2	SALVAGE PUMP STATION	1/06	SCC

SHEET NUMBER / PARTICIPATION

15-18A	19-21	24	26	71	72A	73	74	76A	77	80, 80A	82	101	102	103	104	105	105A, 106	330	Town of Mason, WV	Unincorp. areas (WV)	Village of Pomeroy, OH	ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
																										--------------EROSION CONTROL (CONT'D.)--------------	
9.95																			2.09		7.86	870	20000	9.95	TON	COMMERCIAL FERTILIZER	
20.36																			4.05		16.31	870	30000	20.36	TON	AGRICULTURAL LIME	
380																			79		301	870	35000	380	M GAL	WATER	
111																			22		89	870	40000	111	M SQ FT	MOWING	
42348																			9781	3	32564	877	10000	42348	SQ YD	TEMPORARY SEEDING AND MULCHING	
3923								7845											2954	48	8766	877	30100	11768	LIN FT	TEMPORARY PERIMETER FILTER FABRIC FENCE	
170								340											120		390	877	30200	510	LIN FT	TEMPORARY DITCH CHECK FILTER FABRIC FENCE	
923								1845											533		2235	877	30300	2768	LIN FT	TEMPORARY INLET PROTECTION FILTER FABRIC FENCE	
707																			172		535	877	55500	707	SQ YD	TEMPORARY DITCH PROTECTION	
																										------------------------DRAINAGE------------------------	
							0.8		~~2.5~~	5											5.8	602	20000	5.8	CU YD	CONCRETE MASONRY	
											55										55	603	00900	55	LIN FT	6" CONDUIT, TYPE B	
											210										210	603	01500	210	LIN FT	6" CONDUIT, TYPE F	
									400	330									400		330	603	04400	730	LIN FT	12" CONDUIT, TYPE B	
									~~380~~	509											509	603	04600	509	LIN FT	12" CONDUIT, TYPE C	
							76												44		32	603	04900	76	LIN FT	12" CONDUIT, TYPE D	
									123	166									123		166	603	05900	289	LIN FT	15" CONDUIT, TYPE B	
										55											55	603	06100	55	LIN FT	15" CONDUIT, TYPE C	
							62														62	603	06400	62	LIN FT	15" CONDUIT, TYPE D	
									~~34~~	91											91	603	06700	91	LIN FT	15" CONDUIT, TYPE F	
									~~65~~	34											34	603	07400	34	LIN FT	18" CONDUIT, TYPE B	
									~~195~~	66											66	603	07600	66	LIN FT	18" CONDUIT, TYPE C	
									80										80			603	07900	80	LIN FT	18" CONDUIT, TYPE D	
									50	109									50		109	603	08900	159	LIN FT	21" CONDUIT, TYPE B	
									~~10~~	40											40	603	09100	40	LIN FT	21" CONDUIT, TYPE C	
									~~174~~	36											36	603	10400	36	LIN FT	24" CONDUIT, TYPE B	
									~~73~~	11											11	603	10600	11	LIN FT	24" CONDUIT, TYPE C	
									~~89~~												~~89~~	603	11200	0	LIN FT	24" CONDUIT, TYPE F	
									107										107			603	11900	107	LIN FT	27" CONDUIT, TYPE B	
									~~107~~	58											58	603	13400	58	LIN FT	30" CONDUIT, TYPE B	
										49											49	603	13600	49	LIN FT	30" CONDUIT, TYPE C	
										190											190	603	20900	190	LIN FT	48" CONDUIT, TYPE B, 707.12, 707.13, 707.24 OR 707.33	
										12											12	604	00400	12	EACH	CATCH BASIN, NO. 3	
										16											16	604	00800	16	EACH	CATCH BASIN, NO. 3A	
							1			2											3	604	04500	3	EACH	CATCH BASIN, NO. 2-2B	
										2											2	604	04900	2	EACH	CATCH BASIN, NO. 2-3	
										1											1	604	17900	1	EACH	INLET, NO. 2-A-8	
										~~1~~											~~1~~	604	18300	0	EACH	INLET, NO. 2-A-10	
										9											9	604	31500	9	EACH	MANHOLE, NO. 3	
											3								3			604	36600	3	EACH	PRECAST REINFORCED CONCRETE OUTLET	
											5811										5811	605	05100	5811	LIN FT	4" SHALLOW PIPE UNDERDRAIN	
600																					600	605	13402	600	LIN FT	6" UNCLASSIFIED PIPE UNDERDRAIN FOR SPRINGS	
300																					300	605	32200	300	LIN FT	AGGREGATE DRAIN FOR SPRINGS	
									1	~~1~~									1			SPECIAL	69098000	1	EACH	MISC.: TYPE A MANHOLE (WVDOH)	18
									2	~~2~~									2			SPECIAL	69098000	2	EACH	MISC.: TYPE F INLET (WVDOH)	18
									2	~~2~~									2			SPECIAL	69098000	2	EACH	MISC.: TYPE G INLET (WVDOH)	18
									7	~~7~~									7			SPECIAL	69098000	7	EACH	MISC.: TYPE H INLET (WVDOH)	18
											1708								1708			SPECIAL	69098100	1708	LIN FT	MISC.: FREE DRAINING BASE TRENCH (WVDOH)	18
											202								202			SPECIAL	69098100	202	LIN FT	MISC.: OUTLET PIPE, 6" (WVDOH)	18
									0.92										0.92			SPECIAL	69098700	0.92	CU YD	MISC.: CLASS B CONCRETE (WVDOH)	18

CALCULATED JAG
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GENERAL SUMMARY

MEG-33-15.70

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NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	9/05	SCC
2	SALVAGE PUMP STATION	1/06	SCC

SHEET NUMBER / PARTICIPATION

15-18A	19-21	24	26	71	72A	73	74	76A	77	80, 80A	82	101	102	103	104	105	105A, 106	330	Town of Mason, WV	Unincorp. areas (WV)	Village of Pomeroy, OH	ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
																										------------------------PAVEMENT----------------------	
						310						1707							1082	55	880	254	01000	2017	SQ YD	PAVEMENT PLANING, BITUMINOUS	
						118						4178							1410	7	2879	301	46000	4296	CU YD	BITUMINOUS AGGREGATE BASE, PG64-22	
												~~633~~									~~633~~	302	46000	0	CU YD	BITUMINOUS AGGREGATE BASE, PG64-22	
						242						4356							1633	8	2957	304	20000	4598	CU YD	AGGREGATE BASE	
							123						1834						781	7	1169	407	10000	1957	GALLON	TACK COAT	
							81						1130						458	2	751	407	14000	1211	GALLON	TACK COAT FOR INTERMEDIATE COURSE	
							510						5458						56		5912	408	10000	5968	GALLON	BITUMINOUS PRIME COAT	
							251														251	452	12000	251	SQ YD	8" PLAIN CONCRETE PAVEMENT	
													248								248	611	25000	248	SQ YD	REINFORCED CONCRETE APPROACH SLAB (T= 15")	
														523					523			SPECIAL	69098100	523	LIN FT	MISC.: COMBINATION CONCRETE CURB AND GUTTER, TYPE I (WVDOH), AS PER PLAN	18, 218
														63					63			SPECIAL	69098100	63	LIN FT	MISC.: COMBINATION CONCRETE CURB AND GUTTER, TYPE IV (WVDOH), AS PER PLAN	18, 218
														271					271			SPECIAL	69098100	271	LIN FT	MISC.: PLAIN CONCRETE CURBING, TYPE I (WVDOH)	18
							71							9400					9427	44		SPECIAL	69098300	9471	SQ YD	MISC.: FABRIC FOR SEPARATION (WVDOH)	18
													140						140			SPECIAL	69098300	140	SQ YD	MISC.: 12 INCH PORTLAND CEMENT CONCRETE APPROACH SLAB (WVDOH)	18
						8							502						505	5		SPECIAL	69098700	510	CU YD	MISC.: AGGREGATE BASE COURSE, CLASS I (WVDOH)	18
														672					672			SPECIAL	69098700	672	CU YD	MISC.: OPEN GRADED FREE DRAINING BASE COURSE (WVDOH)	18
													107.42						107.42			SPECIAL	69098800	107.42	TON	MISC.: AGGREGATE BASE COURSE, CLASS I (WVDOH)	18
							57							848					361	3	541	826	10020	905	CU YD	ASPHALT CONCRETE SURFACE COURSE, TYPE I, FIBER B	
							80							1172					519	3	730	826	10220	1252	CU YD	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I, FIBER B	
														3980							3980	830	12000	3980	LIN FT	COMBINATION CURB AND GUTTER, TYPE 2	
													2150								2150	830	12001	2150	LIN FT	COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN	
							5							72							77	830	26000	77	LIN FT	CURB, TYPE 6	
							182														182	830	28000	182	LIN FT	CURB, TYPE 7	
																										----------------------WATER WORK----------------------	
																										FOR WATER WORK GENERAL SUMMARY	260
																										------------------SANITARY SEWER------------------	
				4579																	4579	SPECIAL	20270000	4579	LIN FT	FILL AND PLUG EXISTING CONDUIT (SANITARY)	17
															17						17	304	20001	17	CU YD	AGGREGATE BASE, AS PER PLAN	239
															1						1	604	35501	1	EACH	MANHOLE RECONSTRUCTED TO GRADE, AS PER PLAN	239
															57						57	607	20101	57	LIN FT	FENCE, TYPE CL, MISC., AS PER PLAN, 8' HT.	239
															1						1	607	50901	1	EACH	GATE, TYPE CL, AS PER PLAN	239

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GENERAL SUMMARY

MEG-33-15.70

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	9/05	SCC
2	SALVAGE PUMP STATION	1/06	SCC

SHEET NUMBER																			PARTICIPATION			ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
15-18A	19-21	24	26	71	72A	73	74	76A	77	80, 80A	82	101	102	103	104	105	105A, 106	330	Town of Mason, WV	Unincorp. areas (WV)	Village of Pomeroy, OH						
																										----------------SANITARY SEWER (CONT'D.)---------------	
																1			1			SPECIAL	69098000	1	EACH	MISC.: ADJUSTING MANHOLE (WVDOH)	239-240
																6			6			SPECIAL	69098000	6	EACH	MISC.: CAPPING MANHOLE (WVDOH)	239-240
																8			8			SPECIAL	69098000	8	EACH	MISC.: TYPE A MANHOLE (WVDOH), AS PER PLAN	239-240, 256
																160			160			SPECIAL	69098100	160	LIN FT	MISC.: 18 INCH STEEL CASING PIPE, THICKNESS 5/16" (WVDOH)	239-240, 255
															1998						1998	SPECIAL	69098100	1998	LIN FT	MISC.: 4" FORCE MAIN	239
																227			227			SPECIAL	69098100	227	LIN FT	MISC.: 6 INCH PLASTIC SEWER PIPE (WVDOH)	239-240
																201			201			SPECIAL	69098100	201	LIN FT	MISC.: 8 INCH DUCTILE IRON SEWER PIPE, TYPE 1, CLASS 52 (WVDOH)	239-240
																854			854			SPECIAL	69098100	854	LIN FT	MISC.: 8 INCH PLASTIC SEWER PIPE (WVDOH)	239-240
																265			265			SPECIAL	69098100	265	LIN FT	MISC.: 8 INCH RECONSTRUCTED SANITARY SEWER, TYPE 718.5 (WVDOH)	239-240
															3						3	SPECIAL	69098400	3	EACH	MISC.: AIR RELEASE VALVE MANHOLE	239
															LUMP						LUMP	SPECIAL	69098400	LUMP		MISC.: BACK PRESSURE PRIMING VALVE MANHOLE	240
																										------------------ROADWAY LIGHTING-------------------	
																										FOR ROADWAY LIGHTING GENERAL SUMMARY	315
																										-----------------AESTHETIC LIGHTING-----------------	
																										FOR AESTHETIC LIGHTING GENERAL SUMMARY	519
																										-------------------TRAFFIC CONTROL--------------------	
																										FOR TRAFFIC CONTROL GENERAL SUMMARY	278-279
																										---------------------LANDSCAPING----------------------	
																		~~44~~			~~44~~	661	00500	0	CU YD	MULCH	
																		~~22~~			~~22~~	661	14000	0	EACH	PERENNIALS	
																										PANICUM VIRGATUM 'CLOUD NINE' - CLOUD NINE SWITCH GRASS	
																										#2 CONT., NOT RECENTLY SHEARED	
																		~~428~~			~~428~~	661	14000	0	EACH	PERENNIALS	
																										RUDBECKIA FULGIDA SPECIOSA 'GOLDSTURM' - BLACK EYED SUSAN	
																										#1 CONT., 24" O.C.	
																		~~5~~			~~5~~	661	40100	0	EACH	DECIDUOUS TREE, 2- 1/ 2" CALIPER	
																										FRAXINUS AMERICANA 'AUTUMN PURPLE' - AUTUMN PURPLE ASH	
																										35' O.C. TYP., LIMBED UP TO 5' HT.	
																		~~6~~			~~6~~	661	40100	0	EACH	DECIDUOUS TREE, 2- 1/ 2" CALIPER	
																										MALUS TRANSITORIA 'SCHMIDTCUTLEAF' - GOLDEN RAINDROPS CRABAPPLE	
																										30' O.C. TYP., LIMBED UP TO 5' HT.	
																		~~8~~			~~8~~	661	50160	0	EACH	EVERGREEN TREE, 8' HEIGHT	
																										PINUS NIGRA - AUSTRIAN PINE	
																										NOT RECENTLY SHEARED	

CALCULATED JAG
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GENERAL SUMMARY

MEG-33-15.70

SHEET NUMBER 15-18A	19-21	24	26	71	72A	73	74	76A	77	80, 80A	82	101	102	103	104	105	105A, 106	330	PARTICIPATION Town of Mason, WV	Unincorp. areas (WV)	Village of Pomeroy, OH	ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
																										-------------------LANDSCAPING (CONT'D.)-----------------	
																		~~2~~			~~2~~	662	30000	0	M GAL	LANDSCAPE WATERING	
																										-----------------MAINTENANCE OF TRAFFIC---------------	
	50																		24	2	24	614	11100	50	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR	20
			4																		4	614	12336	4	EACH	TEMPORARY IMPACT ATTENUATOR (UNIDIRECTIONAL)	21
	144																		64	16	64	SPECIAL	61412500	144	SQ FT	REPLACEMENT SIGN	20
	50																		20	10	20	SPECIAL	61412600	50	EACH	REPLACEMENT DRUM	20-21
			792																		792	614	12800	792	EACH	TEMPORARY RAISED PAVEMENT MARKER	
			383																		383	614	13000	383	CU YD	BITUMINOUS CONCRETE FOR MAINTAINING TRAFFIC	
			504																		504	614	13001	504	CU YD	BITUMINOUS CONCRETE FOR MAINTAINING TRAFFIC, AS PER PLAN	
		14	205																14		205	614	13300	219	EACH	BARRIER REFLECTOR, TYPE B	
		56																	56			614	18030	56	LIN FT	MAINTAINING TRAFFIC, MISC.: 15" CONDUIT, TYPE C	
		1.03	1.50																1.02	0.03	1.48	614	21200	2.53	MILE	TEMPORARY CENTER LINE, CLASS I, 740.06, TYPE I	
		2.23	2.87																2.19	0.07	2.84	614	22200	5.10	MILE	TEMPORARY EDGE LINE, CLASS I, 740.06, TYPE I	
		177	117																177		117	614	26400	294	LIN FT	TEMPORARY STOP LINE, CLASS I, 740.06, TYPE I	
			598																		598	615	20000	598	SQ YD	TEMPORARY PAVEMENT, CLASS A	
	221																		24	1	196	616	10000	221	M GAL	WATER	
		779	5100																779		5100	622	40020	5879	LIN FT	PORTABLE CONCRETE BARRIER, 32"	
		1292.01																	1292.01			SPECIAL	69098800	1292.01	TON	MISC.: MARSHALL HOT-MIX ASPHALT BASE COURSE, STONE OR GRAVEL, TYPE I (WVDOH)	18
		1292.01																	1292.01			SPECIAL	69098800	1292.01	TON	MISC.: MARSHALL HOT-MIX ASPHALT BASE COURSE, STONE OR GRAVEL, TYPE II (WVDOH)	18
																										FOR RETAINING WALLS	210B, 237B
																										FOR STRUCTURES OVER 20'	331-573
																						SPECIAL	10000300	LUMP		PREMIUM ON RAILROADS' PROTECTIVE PUBLIC LIABILITY AND PROPERTY DAMAGE LIABLITY INSURANCE	
																			LUMP	LUMP	LUMP	614	11000	LUMP		MAINTAINING TRAFFIC	
																			LUMP	LUMP	LUMP	623	10001	LUMP		CONSTRUCTION LAYOUT STAKES, AS PER PLAN	17
																			LUMP	LUMP	LUMP	624	10000	LUMP		MOBILIZATION	
																			42			806	16020	42	MONTH	FIELD OFFICE, TYPE C	

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	05-05	SCC
2	LANDSCAPE WATERING	09-05	SCC
3	SALVAGE PUMP STATION	01-06	SCC

CALCULATED JAG
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GENERAL SUMMARY

MEG-33-15.70

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NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC
2	SALVAGE PUMP STATION	1/06	SCC

REF NO.	SHEET NO.	STATION TO STATION	SIDE	202 Mason STRUCTURE REMOVED	202 Pomeroy STRUCTURE REMOVED	202 Pomeroy PAVEMENT REMOVED	202 Mason WALK REMOVED	202 Pomeroy WALK REMOVED	202 Mason CURB REMOVED	202 Pomeroy CURB REMOVED	202 Pomeroy CURB AND GUTTER REMOVED	202 Pomeroy PIPE REMOVED, 24" AND UNDER	202 Pomeroy PIPE REMOVED, OVER 24"	202 Mason GUARDRAIL REMOVED	202 Pomeroy GUARDRAIL REMOVED	202 Pomeroy MANHOLE REMOVED	202 Mason CATCH BASIN REMOVED	202 Pomeroy CATCH BASIN REMOVED	202 Pomeroy INLET REMOVED	202 Pomeroy FENCE REMOVED	SPL Pomeroy FILL AND PLUG EXISTING CONDUIT
						SQ YD	SQ FT	SQ FT	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	EACH	EACH	EACH	EACH	LIN FT	LIN FT
		WAL-MART ACCESS DRIVE																			
R1	112	17+22.63 TO 17+45.21	RT						34												
R2	114	18+85.11 W-M TO 214+17.86 WV 62	RT																		
R3	114	19+40.03 TO 19+48.02	RT														1				
		SR 833																			
R4	114	20+22.51 TO 21+04.16	RT						97												
R5	114	214+17.86 WV 62 TO 21+30.50 SR 833	LT-RT																		
R6	114	20+17.80 TO 20+78.43	RT						76												
R7	114	20+88.75 TO 21+30.50	LT																		
R8	114	20+63.75 TO 21+30.50	RT																		
R9	114	20+23.51 TO 21+41.05	RT				647														
R10	114	20+92.56 TO 21+39.87	RT											47.31							
R11	114	20+74.54 TO 21+40.04	RT											65.63							
R11A		NOT USED																			
R12	122	39+76.06 TO 40+37.03	LT-RT												294.0						
R13	122	39+78.37 TO 40+65.69	LT			342															
R14	122	40+17.97 TO 40+47.85	LT		LUMP																
R14A	122	40+20.73 TO 40+74.15	LT																	118	
R15	122	40+41.89 TO 45+22.14	RT-LT			1870															
R16	122	40+71.83 TO 41+45.35	RT												62.91						
R17	122	40+46.10 TO 40+70.00	RT																		
R18	122	40+45.12 TO 40+70.00	LT																		
R19	122	40+70.00 TO 44+69.00	LT																		
R20	122	40+45.00 SR 833 TO 145+02.69 MAIN	RT-LT																		
R20A	124	44+80.29 TO 45+75.02	LT		LUMP																
R21	126	145+65.76 MAIN TO 53+17.38 SR 833	RT																		
R22	126	42+69.48 TO 50+98.16	RT-LT												750.37						
R22A	126	47+86.97 TO 48+36.27	LT		LUMP																
R23	126	45+94.10 TO 46+70.10	LT																		53
R24	126	46+70.10 TO 49+07.31	LT-RT													1					242
R25	126	42+02.08 TO 49+07.31	LT-RT									131									730
R26	126	49+07.31 TO 51+43.65	RT													1					236
R27	128	50+50.00 TO 52+00.00	LT-RT			396															
R28	128	51+20.25 TO 51+43.65	LT-RT													1					114
R29	128	51+85.13 TO 52+66.82	LT									82									
R30	128	52+24.37 TO 52+66.86	LT									53									
R31	128	52+66.82	LT															1			
R32	128	52+55.18 TO 52+66.82	RT-LT									181							1		
R32A	128	53+64.50 TO 53+77.00	LT & RT			37															
R32B	128	53+55.87 TO 53+77.00	RT																		
R32D	126-128	44+75 TO 53+95	LT & RT			2760															
R32E	128	51+25.91	RT															1			
R32F	128	53+59.68	LT															1			
		MAIN ST.																			
R32C	130	131+00.00 TO 131+12.50	LT & RT			33															
R33	129A	131+00.06 TO 135+61.41	RT																		
R34	130	131+00.00 TO 132+24.62	LT																		
R35	130	131+00.00 TO 132+43.58	LT							144											
R36	130	131+00.00 TO 132+44.33	RT							144											
R37	130	132+47.39	LT															1			
R38	130	132+47.95	RT																1		
R38A	130	132+52.12 MAIN TO 9+23.94 LIBERTY	LT-RT																		
R39	130	132+77.84	LT															1			
R40	130	132+83.98 MAIN TO 9+23.94 LIBERTY	LT-RT					264													
TOTALS CARRIED TO SHEET NO. 71					LUMP	5438	647	264	207	288		447		113	1107	3	1	5	2	118	1375

CALCULATED JAG
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ROADWAY SUBSUMMARY

MEG-33-15.70

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC
2	SALAVAGE PUMP STATION	1/06	SCC

REF NO.	SHEET NO.	STATION TO STATION	SIDE	606 Pomeroy GUARDRAIL, TYPE 5 (LIN FT)	606 Pomeroy ANCHOR ASSEMBLY, TYPE T (EACH)	608 Mason 4" CONCRETE WALK (SQ FT)	608 Pomeroy 4" CONCRETE WALK (SQ FT)	606 Pomeroy ANCHOR ASSEMBLY, TYPE A (EACH)	608 Mason CURB RAMP (EACH)	608 Pomeroy CURB RAMP (EACH)	622 Pomeroy CONCRETE BARRIER, TYPE D (LIN FT)	622 Pomeroy CONCRETE BARRIER, TYPE D1 (LIN FT)	SPL Mason MISC: CLASS K CONCRETE (WVDOH) (CU YD)	SPL Pomeroy MISC: CLASS K CONCRETE (WVDOH) (CU YD)	INFO ONLY Mason EPOXY-COATED REINF. STEEL BAR (POUND)	INFO ONLY Pomeroy EPOXY-COATED REINF. STEEL BAR (POUND)	202 Pomeroy BUILDING DEMOLISHED	202 Pomeroy BUILDING DEMOLISHED, AS PER PLAN
		WAL-MART ACCESS DRIVE																
R1	112	17+22.63 TO 17+45.21	RT															
R2	114	18+85.11 W-M TO 214+17.86 WV 62	RT			602			1									
R3	114	19+40.03 TO 19+48.02	RT															
		SR 833																
R4	114	20+22.51 TO 21+04.16	RT															
R5	114	214+17.86 WV 62 TO 21+30.50 SR 833	LT-RT			989			1									
R6	114	20+17.80 TO 20+78.43	RT															
R7	114	20+88.75 TO 21+30.50	LT										4		500			
R8	114	20+63.75 TO 21+30.50	RT										8		500			
R9	114	20+23.51 TO 21+41.05	RT															
R10	114	20+92.56 TO 21+39.87	RT															
R11	114	20+74.54 TO 21+40.04	RT															
R11A		NOT USED																
R12	122	39+76.06 TO 40+37.03	LT-RT															
R13	122	39+78.37 TO 40+65.69	LT															
R14	122	40+17.97 TO 40+47.85	LT															
R14A	122	40+20.73 TO 40+74.15	LT															
R15	122	40+41.89 TO 45+22.14	RT-LT															
R16	122	40+71.83 TO 41+45.35	RT															
R17	122	40+46.10 TO 40+70.00	RT											1		435		
R18	122	40+45.12 TO 40+70.00	LT											2		870		
R19	122	40+70.00 TO 44+69.00	LT								~~24~~	~~412~~						
R20	122	40+45.00 SR 833 TO 145+02.69 MAIN	RT-LT				~~2731~~			~~1~~								
R20A	124	44+80.29 TO 45+75.02	LT															
R21	126	145+65.76 MAIN TO 53+17.38 SR 833	RT				~~4125~~			~~1~~								
R22	126	42+69.48 TO 50+98.16	RT-LT															
R22A	126	47+86.97 TO 48+36.27	LT															
R23	126	45+94.10 TO 46+70.10	LT															
R24	126	46+70.10 TO 49+07.31	LT-RT															
R25	126	42+02.08 TO 49+07.31	LT-RT															
R26	126	49+07.31 TO 51+43.65	RT															
R27	128	50+50.00 TO 52+00.00	LT-RT															
R28	128	51+20.25 TO 51+43.65	LT-RT															
R29	128	51+85.13 TO 52+66.82	LT															
R30	128	52+24.37 TO 52+66.86	LT															
R31	128	52+66.82	LT															
R32	128	52+55.18 TO 52+66.82	RT-LT															
R32A	128	53+64.50 TO 53+77.00	LT & RT															
R32B	128	53+55.87 TO 53+77.00	RT				~~106~~											
		MAIN ST.																
R32C	130	131+00.00 TO 131+12.50	LT & RT															
R33	129A	131+00.06 TO 135+61.41	RT	475	2													
R33B	129C	134+97.42 TO 141+65.00	RT	662.50	2													
R34	130	131+00.00 TO 132+24.62	LT				~~637~~											
R35	130	131+00.00 TO 132+43.58	LT															
R36	130	131+00.00 TO 132+44.33	RT															
R37	130	132+47.39	LT															
R38	130	132+47.95	RT															
R38A	130	132+52.12 MAIN TO 9+23.94 LIBERTY	LT-RT				~~416~~			~~1~~								
R39	130	132+77.84	LT															
R40	130	132+83.98 MAIN TO 9+23.94 LIBERTY	LT-RT															
R33A	129G	145+25.49 TO 149+13.50	RT	375.00	1			1										
TOTALS CARRIED TO SHEET NO. 72				1512.50	5	1591	0	1	2	0	0	0	12	3	1000	1305		

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ROADWAY SUBSUMMARY

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NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC
2	SALVAGE PUMP STATION	1/06	SCC

REF NO.	SHEET NO.	STATION TO STATION	SIDE	202 Mason STRUCTURE REMOVED	202 Pomeroy STRUCTURE REMOVED	202 Pomeroy PAVEMENT REMOVED SQ YD	202 Mason WALK REMOVED SQ FT	202 Pomeroy WALK REMOVED SQ FT	202 Mason CURB REMOVED LIN FT	202 Pomeroy CURB REMOVED LIN FT	202 Pomeroy CURB AND GUTTER REMOVED LIN FT	202 Pomeroy PIPE REMOVED, 24" AND UNDER LIN FT	202 Pomeroy PIPE REMOVED, OVER 24" LIN FT	202 Mason GUARDRAIL REMOVED LIN FT	202 Pomeroy GUARDRAIL REMOVED LIN FT	202 Pomeroy MANHOLE REMOVED EACH	202 Mason CATCH BASIN REMOVED EACH	202 Pomeroy CATCH BASIN REMOVED EACH	202 Pomeroy INLET REMOVED EACH	202 Pomeroy FENCE REMOVED LIN FT	SPL Pomeroy FILL AND PLUG EXISTING CONDUIT LIN FT
2		MAIN ST. (Continued)																			
~~R41~~	~~132~~	~~132+99.14 TO 136+36.82~~	~~RT~~																	2	~~339~~
R42	132	9+51.65 LIBERTY TO 134+52.16 MAIN	LT																		
R43	132	133+17.38 TO 134+75.93	LT					549													
R44	132	134+59.94 TO 134+88.01	LT												28.88						
R44A	132	133+45.39 TO 133+80.58	LT									39						1			
R45	132	133+50.00 MAIN TO 11+45.00 W. MAIN	LT & RT			1043															
R45A	132	135+00.50 TO 136+07.89	LT										1								
R45B	132	135+52.04 TO 135+66.47	LT & RT		LUMP								60					1			
R46	132	135+82.80 TO 135+87.32	RT										44					1			
R47	132 1	135+87.32 TO 136+51.72 1	RT-LT									149							1		
R48	129C	135+16.24 MAIN TO 11+45.00 W. MAIN	LT-RT											1	194.75						
R49	132	135+28.24 TO 136+50.86	LT	2											128.04	2				2	
~~R50~~	~~132~~	~~135+97.51 TO 136+17.69~~	~~LT~~																		~~92~~
~~R51~~	~~132~~	~~136+17.69 TO 136+30.98~~	~~LT-RT~~													~~1~~					~~40~~
~~R52~~	~~132~~	~~136+31.82 TO 136+36.82~~	~~RT~~																		~~38~~
R53	132	136+33.49 MAIN TO 52+73.11 SR 833	RT-LT																		1781
R54	132	136+36.82 TO 139+23.55	RT													1					442
R55	132	136+48.58 TO 145+02.69	LT																		
R56	134	139+23.55 TO 140+94.63	RT													1					180
R57	134	140+94.63 TO 142+12.65	RT-LT													1					138
R58	134	142+12.65 TO 145+05.32	LT													1					283
R59	136	145+05.32 MAIN TO 46+70.10 SR 833	LT													1					165
		WV 62																			
R59A	140	210+79.79	RT	LUMP																	
		LIBERTY LANE																			
R60	144	9+23.96 TO 9+78.00	RT								54									2	
~~R61~~	~~144~~	~~9+62.52 LIBERTY TO 132+99.44 MAIN~~	~~RT~~	2																	~~72~~
R62	144	8+83.97 TO 9+68.11	LT								85										
		WEST MAIN ST.																		2	
~~R63~~	~~145~~	~~10+64.09 TO 10+74.09~~	~~LT~~	2																	~~59~~
R64	145	10+87.94 TO 10+93.75	RT-LT									27							1		
R65	145	13+97.41 W. MAIN TO 40+92.18 SR 833	LT																		215
R65A	145	14+41.57	LT & RT		LUMP																
		DEMOLITION WORK																			
R66	122, 124	41+10 SR 833	LT																		
R67	124	41+95 SR 833	LT																		
R68	124	43+38 SR 833	LT																		
R69	126	48+10 SR 833	LT																		
R70	126	48+95 SR 833	LT																		
R71	126, 128	49+58 SR 833	LT																		
R72	128	50+90 SR 833	LT																		
R73	132	135+25 MAIN	LT & RT																		
R74	132	137+20 MAIN	LT & RT																		
R75	132, 134	138+10 MAIN	LT & RT																		
R76	134, 136	143+10 MAIN	LT & RT										1		1	2					2
TOTALS THIS SHEET				LUMP	LUMP	~~1043~~		549			139	215	104		352	5		3	2		3204
TOTALS FROM SHEET NO. 69					LUMP	5438 1	647	264	207	288		447		113	1107 2	3	1	5	2	118 2	1375
ALLOCATED TOTALS				LUMP	LUMP	6481	647	813	207	288	139	662	104	113	1459	8	1	8	4	118	4579
TOTALS CARRIED TO GENERAL SUMMARY				LUMP		6481	1460		495		139	662	104	1572		8	9		4	118	4579

CALCULATED JAG
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ROADWAY SUBSUMMARY

MEG-33-15.70

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NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC
2	SALVAGE PUMP STATION	1/06	SCC

REF NO.	SHEET NO.	STATION TO STATION	SIDE	606 Pomeroy GUARDRAIL, TYPE 5 (LIN FT)	606 Pomeroy ANCHOR ASSEMBLY, TYPE T (EACH)	608 Mason 4" CONCRETE WALK (SQ FT)	608 Pomeroy 4" CONCRETE WALK (SQ FT)	606 Pomeroy ANCHOR ASSEMBLY, TYPE A (EACH)	608 Mason CURB RAMP (EACH)	608 Pomeroy CURB RAMP (EACH)	622 Pomeroy CONCRETE BARRIER, TYPE D (LIN FT)	622 Pomeroy CONCRETE BARRIER, TYPE D1 (LIN FT)	SPL Mason MISC: CLASS K CONCRETE (WVDOH) (CU YD)	SPL Pomeroy MISC: CLASS K CONCRETE (WVDOH) (CU YD)	INFO ONLY Mason EPOXY-COATED REINF. STEEL BAR (WVDOH) (POUND)	INFO ONLY Pomeroy EPOXY-COATED REINF. STEEL BAR (WVDOH) (POUND)	202 Pomeroy BUILDING DEMOLISHED	202 Pomeroy BUILDING DEMOLISHED, AS PER PLAN
		MAIN ST. (Continued)																
R41	132	132+99.44 TO 136+36.82	RT															
R42	132	9+51.65 LIBERTY TO 134+52.16 MAIN	LT				~~799~~			~~1~~								
R43	132	133+17.38 TO 134+75.93	LT															
R44	132	134+59.94 TO 134+88.01	LT															
R44A	132	133+45.39 TO 133+80.58	LT															
R45	132	133+50.00 MAIN TO 11+45.00 W. MAIN	LT & RT															
R45A	132	135+00.50 TO 136+07.89	LT				~~555~~			~~1~~								
R45B	132	135+52.04 TO 135+66.47	LT & RT															
R46	132	135+82.80 TO 135+87.32	RT															
R47	132	135+87.32 TO 136+51.72	RT-LT															
R48	129C	135+16.24 MAIN TO 11+45.00 W. MAIN	LT-RT															
R49	132	135+28.24 TO 136+50.86	LT															
R50	132	135+97.51 TO 136+17.69	LT															
R51	132	136+17.69 TO 136+30.98	LT-RT															
R52	132	136+31.82 TO 136+36.82	RT															
R53	132	136+33.49 MAIN TO 52+73.11 SR 833	RT-LT															
R54	132	136+36.82 TO 139+23.55	RT															
R55	132	136+48.58 TO 145+02.69	LT				~~4669~~			~~1~~								
R56	134	139+23.55 TO 140+94.63	RT															
R57	134	140+94.63 TO 142+12.65	RT-LT															
R58	134	142+12.65 TO 145+05.32	LT															
R59	136	145+05.32 MAIN TO 46+70.10 SR 833	LT															
		WV 62																
R59A	140	210+79.79	RT															
		LIBERTY LANE																
R60	144	9+23.96 TO 9+78.00	RT															
R61	144	9+62.52 LIBERTY TO 132+99.44 MAIN	RT															
R62	144	8+83.97 TO 9+68.11	LT															
		WEST MAIN ST.																
R63	145	10+64.09 TO 10+74.09	LT															
R64	145	10+87.94 TO 10+93.75	RT-LT															
R65	145	13+97.41 W. MAIN TO 40+92.18 SR 833	LT															
R65A	145	14+41.57	LT & RT															
R33B	144A	11+07.50 TO 11+45.00	RT	12.50				1										
		DEMOLITION WORK																
R66	122, 124	41+10 SR 833	LT	PARCEL NO. 31WD: 1 STORY BLOCK COMMERCIAL													LUMP	
R67	124	41+95 SR 833	LT	PARCEL NO. 32WD: 1 STORY BLOCK COMMERCIAL, CONCRETE BLOCK SHED													LUMP	
R68	124	43+38 SR 833	LT	PARCEL NO. 33WD: 2 STORY BLOCK COMMERCIAL/RESIDENTIAL, WALL, CONCRETE STEPS, CISTERN, WELL													LUMP	
R69	126	48+10 SR 833	LT	PARCEL NO. 41WD: 8' X 14' SLAB, WALL														LUMP
R70	126	48+95 SR 833	LT	PARCEL NO. 35WD: 1½ STORY FRAME RESIDENTIAL, SEPARATE CONCRETE FOUNDATION														LUMP
R71	126, 128	49+58 SR 833	LT	PARCEL NO. 36WD: 2 STORY FRAME RESIDENTIAL, DETACHED BLOCK GARAGE, BASEMENT, SEPARATE FOUNDATION														LUMP
R72	128	50+90 SR 833	LT	PARCEL NO. 37WD: 2 STORY FRAME COMMERCIAL/RESIDENTIAL, BASEMENT														LUMP
R73	132	135+25 MAIN	LT & RT	PARCEL NO. 25WD: 2 STORY FRAME & BLOCK COMMERCIAL/RESIDENTIAL													LUMP	
R74	132	137+20 MAIN	LT & RT	PARCEL NO. 27WD: CONCRETE BLOCK FOUNDATION (RESIDENTIAL)														LUMP
R75	132, 134	138+10 MAIN	LT & RT	PARCEL NO. 28WD: CONCRETE BLOCK FOUNDATION (RESIDENTIAL)														LUMP
R76	134, 136	143+10 MAIN	LT & RT	PARCEL NO. 39WD: 2 CONCRETE SLABS														LUMP
TOTALS THIS SHEET				12.50			0	1		0							LUMP	LUMP
TOTALS FROM SHEET NO. 70				1512.50	5	1591	0	1	2	0	0	0	12	3	1000	1305		
ALLOCATED TOTALS				1525.00	5	1591	0	2	2	0	0	0	12	3	1000	1305	LUMP	LUMP
TOTALS CARRIED TO SHEET NO. 72A				1525	5	1591	0	2	2	0	0	0	12	3	1000	1305	LUMP	LUMP

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ROADWAY SUBSUMMARY

MEG-33-15.70

ROADWAY SUBSUMMARY

MEG-33-15.70

REF NO.	SHEET NO.	STATION TO STATION	SIDE	606 Pomeroy GUARDRAIL, TYPE 5	606 Pomeroy ANCHOR ASSEMBLY, TYPE T	608 Mason 4" CONCRETE WALK	608 Pomeroy 4" CONCRETE WALK	606 Pomeroy ANCHOR ASSEMBLY, TYPE A	608 Mason CURB RAMP	608 Pomeroy CURB RAMP	622 Pomeroy CONCRETE BARRIER, TYPE D	622 Pomeroy CONCRETE BARRIER, TYPE D1	SPL Mason MISC: CLASS K CONCRETE (WVDOH)	SPL Pomeroy MISC: CLASS K CONCRETE (WVDOH)	INFO ONLY Mason EPOXY-COATED REINF. STEEL BAR (WVDOH)	INFO ONLY Pomeroy EPOXY-COATED REINF. STEEL BAR (WVDOH)	202 Pomeroy BUILDING DEMOLISHED	202 Pomeroy BUILDING DEMOLISHED, AS PER PLAN
				LIN FT	EACH	SQ FT	SQ FT	EACH	EACH	EACH	LIN FT	LIN FT	CU YD	CU YD	POUND	POUND		
		S.R. 833																
SW-1		40+60 TO 46+82.26	RT				4045											
CR-5		47+28	RT							1								
CR-6		47+64	RT							1								
CR-7		48+21	RT							1								
SW-2		48+13.12 TO 53+95	RT				3837											
CR-1		40+05.30 TO 42+19.90	LT								238							
		MAIN STREET																
SW-3		131+00 TO 9+24.03 (LIBERTY)	LT				1550											
SW-4		9+66.50 (LIBERTY) TO 133+37.16	LT				146											
CR-1		132+82	LT							1								
CR-2		133+23	LT							1								
CR-3		135+95	LT							1								
CR-4		136+55	LT							1								
SW-5		133+37.16 TO 136+05.36	LT				1744											
SW-6		136+60 TO 148+18.04	LT				9680											
SW-7		148+18.04 TO 46+71.70 (S.R. 833)	LT				572											
TOTALS THIS SHEET							21574			7	238							
TOTALS FROM SHEET NO. 72				1525	5	1591	0	2	2	0	0	0	12	3	1000	1305	LUMP	LUMP
TOTALS CARRIED TO GENERAL SUMMARY				1525	5	23165		2	2	7	238	0	15		2305		LUMP	LUMP

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC
2	GUARDRAIL	9/05	SCC
3	SALVAGE PUMP STATION	1/06	SCC

CALCULATED JAG
CHECKED AM

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NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC
2	SALVAGE PUMP STATION	1/06	SCC

SEE SHEET NOS. 207-211

SHEET NO.	REF NO.	STATION	SIDE	DRIVE TYPE	LENGTH, "L1"	LENGTH, "L2"	WIDTH, "W"	"R1" (LEFT SIDE RADIUS)	"R2" (RIGHT SIDE RADIUS)	202 Pomeroy PAVEMENT REMOVED SQ YD	202 Pomeroy GUARDRAIL REMOVED LIN FT	202 Pomeroy CURB REMOVED LIN FT	203 Mason EXCAVATION NOT INCLUDING EMBANKMENT CONSTRUCTION CU YD	203 Pomeroy EXCAVATION NOT INCLUDING EMBANKMENT CONSTRUCTION CU YD	203 Pomeroy EMBANKMENT CU YD	203 Mason SUBGRADE COMPACTION SQ YD	203 Pomeroy SUBGRADE COMPACTION SQ YD	254 Pomeroy PAVEMENT PLANING, BITUMINOUS (3") SQ YD	301 Mason BITUMINOUS AGGREGATE BASE, PG64-22 (3") CU YD	301 Mason BITUMINOUS AGGREGATE BASE, PG64-22 (6") CU YD	301 Pomeroy BITUMINOUS AGGREGATE BASE, PG64-22 (3") CU YD	304 Mason AGGREGATE BASE (6") CU YD	304 Pomeroy AGGREGATE BASE (6") CU YD	SPL Mason MISC: AGGREGATE BASE COURSE, CLASS I (WVDOH) (4") CU YD
		SR 833																						
128	DV1	51+17.00	LT	COMM.	1.96	10.04	35.00	15.00	15.00					5			53.75						8.95	
128	DV2	52+57.00	RT	COMM.	18.07	12.43	35.00	15.00	15.00					2	1		127.47				5.94		12.22	
		MAIN ST																						
130	DV3	PARKING	LT	-	-	-	-	-	-					74			212.29				17.69		35.38	
130	DV4	132+38.17	LT	COMM.	23.28	8.47	24.00	15.00	15.00					17	13		90.79				4.40		9.15	
130	DV5	PARKING	LT	-	-	-	-	-	-					41			82.80				6.90		13.80	
132	DV6	134+76.59	LT	COMM.	54.97	9.03	35.00	25.00	25.00					29	197		331.79				18.29		37.38	
		WV 62																						
138	DV7	205+54.56	LT	RES.	20.00	-	21.08	-	-				20			29.88				4.63		4.98		3.23
138	DV8	207+76.22	RT	COMM.	30.18	8.05	19.91	25.00	25.00				82			128.58			6.92	7.00		21.43		4.67
142	DV9	215+83.37	LT	RES.	15.94	-	13.96	3.00	3.00				14			30.62			2.39			5.10		
142	DV10	216+44.76	LT	RES.	10.88	-	9.38	3.00	3.00				6			15.11			1.15			2.52		
142	DV11	216+91.16	LT	RES.	8.99	-	11.94	3.00	-				7			15.68			1.22			2.61		
		LIBERTY LANE																						
144	DV12	9+14.15	LT	COMM.	2.78	-	35.62	3.00	3.00			8		6			11.64				0.95		1.94	
		WEST MAIN ST																						
~~145~~	~~DV13~~	~~10+70.00~~	~~LT~~	~~Access~~	~~58.00~~	~~—~~	~~12.00~~	~~25.00~~	~~25.00~~					~~53~~			~~117.05~~				~~9.24~~		~~19.5~~	
145	DV14	14+13.89	RT	T-around	-	-	-	-	-	9	109.75			78	186		149.00	310.18			11.74		24.83	
		MAIN ST																						
129C	DV13A	134+80.00	RT	Access	-	-	-	14.00	14.00								369.56				28.81		61.59	
TOTALS										9	110	8	129	252	397	219.87	1429.09	310.18	11.68	11.63	94.72	36.64	205.24	7.90
ALLOCATED TOTALS SUMMED TO GENERAL SUMMARY										9	110	8	129	252	397	220	1429	310	23		95	37	205	8
TOTALS CARRIED GENERAL SUMMARY										9	110	8	381		397	1649		310	118			242		8

CALCULATED JAG

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DRIVEWAY SUBSUMMARY

MEG-33-15.70

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC
2	SALVAGE PUMP STATION	1/06	SCC

DRIVEWAY SUBSUMMARY

SHEET NO.	REF NO.	STATION	SIDE	DRIVE TYPE	407 Mason TACK COAT (GALLON)	407 Pomeroy TACK COAT (GALLON)	407 Mason TACK COAT FOR INTERMEDIATE COURSE (GALLON)	407 Pomeroy TACK COAT FOR INTERMEDIATE COURSE (GALLON)	408 Mason BITUMINOUS PRIME COAT (GALLON)	408 Pomeroy BITUMINOUS PRIME COAT (GALLON)	452 Pomeroy 8" PLAIN CONCRETE PAVEMENT (SQ YD)	602 Pomeroy CONCRETE MASONRY (CU YD)	603 Mason 12" CONDUIT, TYPE D (LIN FT)	603 Pomeroy 12" CONDUIT, TYPE D (LIN FT)	603 Pomeroy 15" CONDUIT, TYPE D (LIN FT)	604 Pomeroy CATCH BASIN, NO. 2-2B (EACH)	606 Pomeroy GUARDRAIL, TYPE 5 (LIN FT)	606 Pomeroy ANCHOR ASSEMBLY, TYPE T (EACH)	826 Mason ASPHALT CONCRETE SURFACE COURSE, TYPE 1, FIBER B (1 1/4") (CU YD)	826 Pomeroy ASPHALT CONCRETE SURFACE COURSE, TYPE 1, FIBER B (1 1/4") (CU YD)	826 Mason ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, FIBER B (1 3/4") (CU YD)	826 Mason ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, FIBER B (2 1/4") (CU YD)	826 Pomeroy ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, FIBER B (1 3/4") (CU YD)	830 Pomeroy CURB, TYPE 6 (LIN FT)	830 Pomeroy CURB, TYPE 7 (LIN FT)	SPL Mason MISC: FABRIC FOR SEPARATION (WVDOH) (SQ YD)	870 Mason SEEDING AND MULCHING (SQ YD)	870 Pomeroy SEEDING AND MULCHING (SQ YD)
		SR 833																										
128	DV1	51+17.00	LT	COMM.		~~7.48~~		~~4.99~~		~~40.65~~	52.19									~~3.46~~			~~4.85~~					41
128	DV2	52+57.00	RT	COMM.		5.25		3.50		28.00	54.13									2.43			3.40					25
		MAIN ST																										
130	DV3	PARKING	LT	-		15.92		10.61		84.92										7.37			10.32		125			
130	DV4	132+38.17	LT	COMM.		3.80		2.60		21.10	37.52									1.78			2.49					
130	DV5	PARKING	LT	-		6.20		4.10		33.10										2.88			4.03		57			
132	DV6	134+76.59	LT	COMM.		16.22		10.82		87.81	107.50	0.54			62					7.51			10.51					83
		WV 62																										
138	DV7	205+54.56	LT	RES.	4.20		1.36												1.94			1.70				29.04	17	
138	DV8	207+76.22	RT	COMM.	9.20		6.13		33.20				44						4.26		3.92	2.63				42.02	70	
142	DV9	215+83.37	LT	RES.	2.06		1.37		11.48										0.95		1.33						22	
142	DV10	216+44.76	LT	RES.	0.97		0.64		5.50										0.45		0.63						16	
142	DV11	216+91.16	LT	RES.	1.04		0.69		5.83										0.48		0.67						13	
		LIBERTY LANE																										
144	DV12	9+14.15	LT	COMM.		0.85		0.56		4.56										0.39			0.55	5				5
		WEST MAIN ST																										
~~145~~	~~DV13~~	~~10+70.00~~	~~LT~~	~~Access~~		~~8.01~~		~~5.34~~		~~44.34~~		~~0.54~~			~~45~~					~~3.71~~			~~5.19~~					~~74~~
145	DV14	14+13.89	RT	T-around		33.42		22.28		56.35							164.66	1		15.47			21.66					192
		MAIN ST																										
129C	DV13A	134+80.00	RT	Access		24.74		16.49		138.23		0.21		32		1				11.45			16.03					
		TOTALS			17.47	106.4	10.19	70.96	56.01	454.12	251.34	0.75	44	32	62	1	164.66	1	8.08	49.28	6.55	4.33	68.99	5	182	71.06	138	346
		ALLOCATED TOTALS SUMMED TO GENERAL SUMMARY			17	106	10	71	56	454	251	0.8	44	32	62	1	164.66	1	8	49	11		69	5	182	71	138	346
		TOTALS CARRIED TO GENERAL SUMMARY			123		81		510		251	0.8	76		62	1	164.66	1	57		80			5	182	71	484	

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STORM WATER POLLUTION PREVENTION SUBSUMMARY

CALCULATED MHT CHECKED AM

REF NO.	SHEET NO.	LOCATION	CL	SIDE	601 ROCK CHANNEL PROTECTION TYPE C, W/ FILTER (CUBIC YARDS) POMEROY	MASON	UNINC-WV	877 TEMPORARY PERIMETER FILTER FABRIC FENCE (LINEAR FEET) POMEROY	MASON	UNINC-WV	877 TEMPORARY DITCH CHECK FILTER FABRIC FENCE (LINEAR FEET) POMEROY	MASON	UNINC-WV	877 TEMPORARY INLET PROTECTION FILTER FABRIC FENCE (LINEAR FEET) POMEROY	MASON	UNINC-WV
SW1	108	204+95.00 TO 205+44.00	WV62	L					19	32						
SW2	108	205+65.00 TO 207+00.00	WV62	L					138							
SW3	109	207+00.00	WV62	L								10				
SW4	109	207+00.00	WV62	R								10				
SW5	109	207+95.00 TO 212+68.00	WV62	R					499							
SW6	109	208+50.00	WV62	R		3										
SW7	109	209+60.00	WV62	R		3										
SW8	109	210+55.00	WV62	R		3										
SW8A	109	210+79.78	WV62	R											25	
SW9	109	211+50.00	WV62	R		3										
SW10	109	212+50.00	WV62	R											25	
SW11	109	18+50.00	WLMRT	L								10				
SW12	109	212+00.00 TO 214+00.00	WV62	L					387							
SW13	109	20+93.24	SR833	L											25	
SW14	109	21+18.00 TO 21+41.00	SR833	L/R					315							
SW15	109	21+76.63	SR833	R											25	
SW16	109	21+48.55	SR833	R								10				
SW17	109	21+38.00	SR833	R								10				
SW18	109	214+12.00 TO 215+77.00	WV62	L					264							
SW19	109	20+77.71	SR833	R											25	
SW20	109	20+60.73	SR833	R											25	
SW21	109	20+45.04	SR833	R											25	
SW22	109	17+23.00 TO 19+33.00	WLMRT	R					251							
SW23	109	18+50.00	WLMRT	R								10				
SW24	109	19+40.03	WLMRT	R											30	
SW25	109	19+27.46	WLMRT	R											25	
SW26	109	214+45.00	WV62	R								10				
SW27	109	215+00.00	WV62	R								10				
SW28	109	215+19.00	WV62	R											25	
SW29	109	216+00.00	WV62	R											25	
SW30	109	216+67.72	WV62	R											25	
SW31	109	215+50.00	WV62	L											25	
SW32	109	215+91.00 TO 216+41.00	WV62	L					53							
SW33	109	216+51.00 TO 216+83.00	WV62	L					33							
SW34	109	216+67.72	WV62	L											25	
SW35	109	216+95.00 TO 217+02.00	WV62	L					10							
SW36	110	131+12.00	MAIN	L										25		
SW37	110	131+28.53	MAIN	L										25		
SW38	110	131+33.30	MAIN	L										25		
SW39	110	131+50.00	MAIN	L										25		
SW40	110	131+33.30	MAIN	R										25		
SW40A	110	131+00 TO 131+21	MAIN	R				43								
SW41	110	131+50.00	MAIN	R							10					
SW42	110	131+50.00	MAIN	R										25		
SW42A	110	131+46 TO 133+29	MAIN	R				223								
SW43	110	9+30.00	LIBERTY	L										25		
SW44	110	9+51.70	LIBERTY	L										25		
SW44A	110	132+77.84	MAIN	L										25		
SW44B	110	132+47.39	MAIN	L										25		
SW44C	110	132+47.93	MAIN	R										25		
SW45	110	8+90.00	LIBERTY	R										25		
SW46	110	9+52.81	LIBERTY	R										25		
SW47	110	133+35.24	MAIN	L										25		
SW48	110	133+80.58	MAIN	L										25		
TOTALS CARRIED TO SHEET NO. 76A					0	12	0	266	1969	32	10	80	0	375	355	0

MEG-33-15.70

STORM WATER POLLUTION PREVENTION SUBSUMMARY

MEG-33-15.70

CALCULATED MHT CHECKED AM

REF NO.	SHEET NO.	LOCATION	CL	SIDE	601 ROCK CHANNEL PROTECTION TYPE C, W/ FILTER (CUBIC YARDS)			877 TEMPORARY PERIMETER FILTER FABRIC FENCE (LINEAR FEET)			877 TEMPORARY DITCH CHECK FILTER FABRIC FENCE (LINEAR FEET)			877 TEMPORARY INLET PROTECTION FILTER FABRIC FENCE (LINEAR FEET)		
					POMEROY	MASON	UNINC-WV	POMEROY	MASON	UNINC-WV	POMEROY	MASON	UNINC-WV	POMEROY	MASON	UNINC-WV
SW49	110	133+50.00	MAIN	L							10					
SW49A	110	133+18 TO 134+40	MAIN	L				150								
SW50	110	133+38.15	MAIN	L										25		
SW51	110	133+25.00	MAIN	R							10					
SW52	110	133+50.00	MAIN	R							10					
SW53	110	134+00.00	MAIN	L										25		
SW54	110	135+12.00	MAIN	L							10					
SW54A	110	135+52.04	MAIN	L										25		
SW55	110	10+82.00	WMAIN	L							10					
SW55A	110	135+15 TO 136+40	MAIN	L				172								
SW56	110	136+50.00	MAIN	R							10					
SW56A	110	135+87.46	MAIN	R										25		
SW57	110	136+66.53	MAIN	L										25		
SW57A	110	10+94.51	WMAIN	L										25		
SW57B	110	10+89.34	WMAIN	R										25		
SW57C	110	11+31 TO 11+52	WMAIN	L				27								
SW57D	110	11+75 TO 12+16	WMAIN	L				52								
SW57E	110	12+44 TO 13+12	WMAIN	L				71								
SW57F	110	13+21 TO 13+88	WMAIN	L				66								
SW58	110	136+69.57	MAIN	L										25		
SW58A	110	136+68.14	MAIN	L										30		
SW59	110	137+00.00	MAIN	L							10					
SW60	110	133+48 TO 140+87	MAIN	R				754								
SW61	110	139+00.00 TO 151+00.00	MAIN/SR833	R				1220								
SW62	110	138+00.00	MAIN	L										25		
SW62A	110	138+00.00	MAIN	L										30		
SW63	110	139+50.00	MAIN	L										25		
SW63A	110	139+50.00	MAIN	L										30		
SW64	110	139+77.00	MAIN	L							10					
SW65	110	1+22.00	DITCH1	CL							10					
SW66	110	14+11 TO 43+54	WMAIN/SR833	L				537								
SW67	110	0+71.00	DITCH1	CL							10					
SW68	110	140+75.00	MAIN	R							10					
SW69	110	141+25.00	MAIN	R							10					
SW69A	110	141+15 TO 144+95	MAIN	R				431								
SW70	110	141+54.00	MAIN	L							10					
SW71	110	40+80.82	SR833	R										25		
SW72	111	42+50.00	SR833	L							10					
SW73	111	44+00.00	SR833	L							10					
SW73A	111	43+90 TO 44+07	SR833	L				21								
SW74	111	144+00.00	MAIN	L							10					
SW75	111	44+00.00	SR833	R										25		
SW75A	111	44+00.00	SR833	R										30		
SW76	111	44+50.00	SR833	R										25		
SW76A	111	44+50.00	SR833	R										30		
SW77	111	44+91.82	SR833	R										25		
SW77A	111	44+91.82	SR833	R										30		
SW78	111	45+13.47	SR833	R										25		
SW78A	111	45+13.47	SR833	R										30		
SW79	111	45+33.69	SR833	R										25		
SW80	111	144+75.00	MAIN	R							10					
SW81	111	145+25.00	MAIN	R							10					
SW81A	111	145+06 TO 51+82	MAIN/SR833	R				769								
SW82	111	45+13.47	SR833	L										25		
TOTALS CARRIED TO SHEET NO. 76A					0	0	0	4270	0	0	180	0	0	635	0	0

STORM WATER POLLUTION PREVENTION SUBSUMMARY

REF NO.	SHEET NO.	LOCATION	CL	SIDE	601 ROCK CHANNEL PROTECTION TYPE C, W/ FILTER (CUBIC YARDS)			877 TEMPORARY PERIMETER FILTER FABRIC FENCE (LINEAR FEET)			877 TEMPORARY DITCH CHECK FILTER FABRIC FENCE (LINEAR FEET)			877 TEMPORARY INLET PROTECTION FILTER FABRIC FENCE (LINEAR FEET)		
					POMEROY	MASON	UNINC-WV	POMEROY	MASON	UNINC-WV	POMEROY	MASON	UNINC-WV	POMEROY	MASON	UNINC-WV
SW82A	III	44+14 TO 47+77	SR833	L				243								
SW83	III	45+52.39	SR833	L										25		
SW83A	III	45+52.39	SR833	L										30		
SW84	III	47+00.00	SR833	L										30		
SW85	III	47+00.00	SR833	L							10					
SW86	III	47+00.00	SR833	L										25		
SW87	III	47+25.00	SR833	R							10					
SW88	III	48+51.00	SR833	L							10					
SW88A	III	47+92 TO 53+78	SR833	L				822								
SW89	III	50+00.00	SR833	L							10					
SW90	III	51+67.41	SR833	L										25		
SW91	III	51+67.41	SR833	L										25		
SW91A	III	51+67.41	SR833	L										30		
SW91B	III	52+00.00	SR833	L										30		
SW92	III	51+75.00	SR833	R							10					
SW93	III	52+00.00	SR833	R										25		
SW94	III	52+25.00	SR833	R							10					
SW95	III	52+50.00	SR833	L										25		
SW95A	III	52+50.00	SR833	L										30		
SW96	III	52+81.00	SR833	L							10					
SW96A	III	52+66.40	SR833	L										25		
SW96B	III	52+66.96	SR833	L										25		
SW97	III	53+15.25	SR833	L										25		
SW97A	III	53+15.25	SR833	L										30		
SW98	III	53+50.00	SR833	L										25		
SW99	III	53+00.00	SR833	R										25		
SW100	III	52+18 TO 53+20	SR833	R				190								
SW101	III	53+55.00 TO 53+79.00	SR833	R				53								
SW102	III	53+75.18	SR833	R										25		
TOTALS THIS SHEET					0	0	0	1308	0	0	70	0	0	480	0	0
TOTALS SHEET NO. 75					0	12	0	266	1969	32	10	80	0	375	355	0
TOTALS SHEET NO. 76					0	0	0	4270	0	0	180	0	0	635	0	0
ALLOCATED TOTALS CARRIED TO GENERAL SUMMARY					0	12	0	5844	1969	32	260	80	0	1490	355	0
TOTALS CARRIED TO GENERAL SUMMARY					12			7845			340			1845		

CALCULATED MHT
CHECKED AM

MEG-33-15.70

DRAINAGE SUBSUMMARY

CALCULATED ALH CHECKED AM

REF NO.	SHEET NO.	STATION TO STATION	SIDE	601 Mason RIPRAP USING 6" REIN-FORCED CONCRETE SLAB	601 Mason ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	SPL Mason CLASS B CONCRETE (WVDOH)	SPL Mason TYPE F INLET (WVDOH)	SPL Mason TYPE G INLET (WVDOH)	SPL Mason TYPE H INLET (WVDOH)	SPL Mason TYPE A MANHOLE (WVDOH)	603 Mason 12" CONDUIT, TYPE B	603 Mason 15" CONDUIT, TYPE B	603 Mason 18" CONDUIT, TYPE D	603 Mason 21" CONDUIT, TYPE B	603 Mason 27" CONDUIT, TYPE B	660 Mason REINFORCED SODDING	670 Mason DITCH EROSION PROTECTION
				SQ YD	CU YD	CU YD	EACH	EACH	EACH	EACH	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	SQ YD	SQ YD
D1	112	17+50.00 TO 19+27.46 WAL-MART	RT														136.50
D2	112	16+50.00 TO 18+50.00 WAL-MART	LT														44.00
D3	114	18+50.00 TO 19+07.93 WAL-MART	LT														31.00
D4	114	19+09.00 WAL-MART	LT					1							106.80		
D5	114	19+40.03 WAL-MART	RT	2.22	1.11					1							
D6	114	212+00.00 WV62 TO 21+05.86 SR833	LT														20.00
D7	114	20+84.74 SR833	LT													30.00	
D8	114	20+93.24 SR833	LT		1.39	0.46	1				22.31						
D9	114	21+05.86 TO 21+33.18 SR833	LT		6.00												
D10	114	21+33.18 TO 21+48.55 SR833	LT/RT		41.50												
D11	114	20+45.22 SR833	RT						1		17.08						
D12	114	20+77.71 SR833	RT						1		17.13						
D13	114	20+60.85 SR833	RT			0.46	1				29.37						
D14	114	20+50.00 TO 21+71.63 SR833	RT		27.84												
D20		NOT USED															
D21		NOT USED															
D21A		NOT USED															
D21B		NOT USED															
D22		NOT USED															
D23		NOT USED															
D24		NOT USED															
D25		NOT USED															
D26		NOT USED															
D27		NOT USED															
D28		NOT USED															
D29		NOT USED															
D30		NOT USED															
D39		NOT USED															
D43		NOT USED															
D53		NOT USED															
D57		NOT USED															
D61		NOT USED															
D63		NOT USED															
D66	138	207+00.00 TO 207+50.00 WV62	LT														32.04
D66A	140	208+60.00 TO 209+40.00 WV62	RT										80.24				
D67	140	210+50.00 TO 212+48.33 WV62	RT														265.76
D68	142	214+00.00 WV62	RT					1						50.33			
D69	142	215+19.00 WV62	RT						1			122.80					
D70	142	214+00.00 TO 215+00.00 WV62	RT														91.00
D71	142	216+00.00 WV62	RT						1		81.00						
D72	142	215+00.00 TO 216+00.00 WV62	RT														66.74
D73	142	216+67.72 WV62	RT						1		67.87						
D74	142	216+67.72 WV62	LT						1		47.49						
D75	142	215+50.00 WV62	LT						1		117.72						
TOTALS ON THIS SHEET				2.22	77.84	0.92	2	2	7	1	399.97	122.80	80.24	50.33	106.80	30.00	687.04
TOTALS CARRIED TO GENERAL SUMMARY				2	78	0.92	2	2	7	1	400	123	80	50	107	30	687

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

MEG-33-15.70

REF NO.	SHEET NO.	STATION TO STATION	SIDE	601 Pomeroy RIPRAP USING 6" REINFORCED CONCRETE SLAB	601 Pomeroy ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	601 Pomeroy PAVED GUTTER	602 Pomeroy CONCRETE MASONRY	Pomeroy 12" CONDUIT, TYPE B	Pomeroy 12" CONDUIT, TYPE C	Pomeroy 15" CONDUIT, TYPE B	Pomeroy 15" CONDUIT, TYPE C	Pomeroy 15" CONDUIT, TYPE F	Pomeroy 18" CONDUIT, TYPE B	Pomeroy 18" CONDUIT, TYPE C	604 Pomeroy 21" CONDUIT, TYPE B	604 Pomeroy 21" CONDUIT. TYPE C	Pomeroy 24" CONDUIT, TYPE B	Pomeroy 24" CONDUIT, TYPE C	Pomeroy 30" CONDUIT, TYPE B	Pomeroy 30" CONDUIT, TYPE C	Pomeroy 48" CONDUIT, TYPE B
				SQ YD	CU YD	LIN FT	CU YD	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT
		SR 833																			
D15	146A	39+27.06 TO 39+40.44	LT																		
D16	146A	39+40.44 TO 39+74.82	LT		10.66																
D17	146A	39+74.82 TO 41+27.43	LT																		
D18	121A	40+88.65	RT																		
D19	121A	40+80.82	RT								11										
D19A	121A	39+36.00 TO 39+78.86	LT																		
D19B	121A	139+20.00 TO 139+78.19	RT																		
D31	121C	47+23.60 TO 48+50.00	LT																		
D32	121C	48+50.00 TO 50+80.82	LT		100.00																
D33	121C	147+00.00 MAIN ST. TO 51+30.79	RT																		
D34	121E	50+83.00	LT															11			
D35	121E	50+83.00 TO 51+16.00	LT														36				
D36	121G	51+16.00 TO 51+25.91	LT/RT																58		
D36A	121G	51+25.91 TO 51+33.50	RT	8.33	65.00		0.56													49	
D37	121G	53+00.00	RT					100.11													
D38	121G	53+10.00	LT						10												
D40	121G	51+50.00 TO 53+08.33	LT																		
D41	121G	53+11.67 TO 53+95.00	LT																		
D42	121G	53+10.00 to 53+59.68	LT											51							
D44	121G	53+59.00	RT											9							
D94	121E	47+00.00	RT				0.21		33												
D95	121G	53+00.00	RT					59													
D97	121G	53+59.00	RT											6							
D98	121G	53+59.68 to 53+59.00	LT/RT										34								
D99	121A	40+80.82	RT		1.33		0.27					91									
D100	121C	43+00.00	RT		1.33		0.21		88												
		MAIN STREET																			
D45	129A	131+11.00 TO 131+42.00	LT					31													
D46	129A	131+42.00	LT					8													
D47	129A	131+42.00	LT/RT							29											
D48	129A	131+42.00	RT		1.33		0.27				18										
D49	129A	131+86.00	RT					44													
D50	129A	131+86.00	LT					44													
D51	129C	133+37.25 TO 133+80.58	LT						49												
D52	129A	133+37.25 TO 133+40.00	LT						24												
D54	129A	133+40.00	LT/RT	7.78	5.97		0.39								77						
~~D55~~	~~129A~~	~~133+42.18 TO 133+48.44~~	~~RT~~		~~1.80~~																
~~D56~~	~~129A~~	~~133+47.57 TO 136+70.00~~	~~RT~~																		
D57A	129C	133+52.04 TO 135+68.59	LT/RT	8.33	19.17		1.09														190.48
D58	129C	136+70.00	LT				0.27				26										
D59	129C	136+68.62 TO 137+00.80	LT		12.67																
D60	129C	136+70.00	LT/RT		38.89		0.27			51											
D62	129C	137+00.80 TO 140+20.59	LT																		
D64	129E	142+04.82 TO 145+00.00	LT																		
D65	129G	143+00.00 TO 144+64.00	RT																		
D80	129G	144+59.00	LT				0.39									12					
		TOTAL CARRIED TO SHEET NO. 80		24	256.76		3.93	286	204	80	55	91	34	66	77	12	36	11	58	49	190

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC
2	SALVAGE PUMP STATION	1/06	SCC

CALCULATED ALH
CHECKED AM

DRAINAGE SUBSUMMARY

MEG-33-15.70

REF NO.	SHEET NO.	STATION TO STATION	SIDE	604 CATCH BASIN, NO. 3 (Pomeroy) EACH	604 CATCH BASIN, NO. 3A (Pomeroy) EACH	604 CATCH BASIN, NO. 2-2B (Pomeroy) EACH	604 CATCH BASIN, NO. 2-3 (Pomeroy) EACH	604 INLET, NO. 2-A-8 (Pomeroy) EACH	604 INLET, NO. 2-A-10 (Pomeroy) EACH	604 MANHOLE, NO. 3 (Pomeroy) EACH	670 DITCH EROSION PROTECTION (Pomeroy) SQ YD	670 SLOPE EROSION PROTECTION (Pomeroy) SQ YD	FOR INFORMATION ONLY 22.5° BENDS (Pomeroy) EACH	FOR INFORMATION ONLY 45° BENDS (Pomeroy) EACH
		SR 833												
D15	146A	39+27.06 TO 39+40.44	LT								15			
D16	146A	39+40.44 TO 39+74.82	LT											
D17	146A	39+74.82 TO 41+27.43	LT								160			
D18	121A	40+88.65	RT								27			
D19	121A	40+80.82	RT	1										
D19A	121A	39+36.00 TO 39+78.86	LT									228		
D19B	121A	139+20.00 TO 139+78.19	RT									234		
D31	121C	47+23.60 TO 48+50.00	LT								106			
D32	121C	48+50.00 TO 50+80.82	LT											
D33	121C	147+00.00 MAIN ST. TO 51+30.79	RT								409			
D34	121E	50+83.00	LT				1							
D35	121E	50+83.00 TO 51+16.00	LT		1									
D36	121G	51+16.00 TO 51+25.91	LT/RT							1				
D36A	121G	51+25.91 TO 51+33.50	RT	1										
D37	121G	53+00.00	RT											
D38	121G	53+10.00	LT	1										
D40	121G	51+50.00 TO 53+08.33	LT								129			
D41	121G	53+11.67 TO 53+95.00	LT								70			
D42	121G	53+10.00 to 53+59.68	LT			1								
D44	121G	53+59.00	RT	1										
D94	121E	47+00.00	RT		1						38			
D95	121G	53+00.00	RT		1									
D97	121G	53+59.00	RT							1				
D98	121G	53+59.68 to 53+59.00	LT/RT							1				
D99	121A	40+80.82	RT		1									2
D100	121C	43+00.00	RT		1						57			
		MAIN STREET												
D45	129A	131+11.00 TO 131+42.00	LT					1						
D46	129A	131+42.00	LT	1										
D47	129A	131+42.00	LT/RT	1										
D48	129A	131+42.00	RT	1							19			
D49	129A	131+86.00	RT		1									
D50	129A	131+86.00	LT		1									
D51	129C	133+37.25 TO 133+80.58	LT			1								
D52	129A	133+37.25 TO 133+40.00	LT				1							
D54	129A	133+40.00	LT/RT		1									
~~D55~~	~~129A~~	~~133+42.16 TO 133+48.44~~	~~RT~~											
~~D56~~	~~129A~~	~~133+47.57 TO 136+70.00~~	~~RT~~								~~268~~			
D57A	129C	133+52.04 TO 135+68.59	LT/RT	1										
D58	129C	136+70.00	LT											
D59	129C	136+68.62 TO 137+00.80	LT											
D60	129C	136+70.00	LT/RT		1									
D62	129C	137+00.80 TO 140+20.59	LT								274			
D64	129E	142+04.82 TO 145+00.00	LT								241			
D65	129G	143+00.00 TO 144+64.00	RT								139			
D80	129G	144+59.00	LT											
TOTAL CARRIED TO SHEET NO. 80A				8	9	2	2	1		3	1684	462		2

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC
2	SALVAGE PUMP STATION	1/06	SCC

CALCULATED ALH CHECKED AM

DRAINAGE SUBSUMMARY

MEG-33-15.70

DRAINAGE SUBSUMMARY

CALCULATED ALH CHECKED AM

REF NO.	SHEET NO.	STATION TO STATION	SIDE	601 Pomeroy RIPRAP USING 6" REINFORCED CONCRETE SLAB (SQ YD)	601 Pomeroy ROCK CHANNEL PROTECTION, TYPE C WITH FILTER (CU YD)	601 Pomeroy PAVED GUTTER (LIN FT)			602 Pomeroy CONCRETE MASONRY (CU YD)		604 Pomeroy 12" CONDUIT, TYPE B (LIN FT)	604 Pomeroy 12" CONDUIT, TYPE C (LIN FT)		604 Pomeroy 15" CONDUIT, TYPE B (LIN FT)	604 Pomeroy 15" CONDUIT, TYPE C (LIN FT)	604 Pomeroy 15" CONDUIT, TYPE F (LIN FT)	604 Pomeroy 18" CONDUIT, TYPE B (LIN FT)	604 Pomeroy 18" CONDUIT, TYPE C (LIN FT)		604 Pomeroy 21" CONDUIT, TYPE B (LIN FT)	604 Pomeroy 21" CONDUIT. TYPE C (LIN FT)		604 Pomeroy 24" CONDUIT, TYPE B (LIN FT)	604 Pomeroy 24" CONDUIT, TYPE C (LIN FT)				604 Pomeroy 30" CONDUIT, TYPE B (LIN FT)	604 Pomeroy 30" CONDUIT, TYPE C (LIN FT)	604 Pomeroy 48" CONDUIT, TYPE B (LIN FT)
		MAIN STREET																												
D81	129G	144+59.00	LT																		11									
D82	129G	143+99.00 TO 144+59.00	LT									60																		
D83	129G	144+59.00 TO 145+20.00	LT									61																		
D84	129G	144+59.00 TO 144+66.00	LT/RT																	32										
D85	129G	144+66.00	RT																		8									
D86	129G	144+02.00 TO 144+66.00	RT									64																		
D87	129G	144+66.00 TO 145+16.00	RT									50																		
D88	129G	144+66.00	RT		1.56				0.39												9									
D89	129G	143+99.00	LT									11																		
D90	129G	144+02.00	RT									8																		
D91	129G	145+20.00	LT									11																		
D92	129G	145+16.00	RT									8																		
D93	129G	147+00.00	LT		1.11				0.21			32																		
		LIBERTY LANE																												
D76	143A	8+90.00	LT											63																
D77	143A	9+30.00	RT								22																			
D78	143A	9+51.70	RT								22																			
D79	143A	9+52.81	LT											23																
TOTAL THIS SHEET					2.67				0.60		44	305		86						32	28									
TOTAL FROM SHEET NO. 78				24	256.76				3.93		286	204		80	55	91	34	66		77	12		36	11				58	49	190
TOTAL CARRIED TO GENERAL SUMMARY				24	259.43				5		330	509		166	55	91	34	66		109	40		36	11				58	49	190

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NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC
2	SALVAGE PUMP STATION	1/06	SCC

MEG-33-15.70

REF NO.	SHEET NO.	STATION TO STATION	SIDE	604							670		FOR INFORMATION ONLY	
				Pomeroy	Pomeroy	Pomeroy	Pomeroy	Pomeroy	Pomeroy	Pomeroy	Pomeroy	Pomeroy	Pomeroy	Pomeroy
				CATCH BASIN, NO. 3	CATCH BASIN, NO. 3A	CATCH BASIN, NO. 2-2B	CATCH BASIN, NO. 2-3	INLET, NO. 2-A-8	INLET, NO. 2-A-10	MANHOLE, NO. 3	DITCH EROSION PROTECTION	SLOPE EROSION PROTECTION	22.5° BENDS	45° BENDS
				EACH	EACH	EACH	EACH	EACH	EACH	EACH	SQ YD	SQ YD	EACH	EACH
		MAIN STREET												
D81	129G	144+59.00	LT							1				
D82	129G	143+99.00 TO 144+59.00	LT							1				
D83	129G	144+59.00 TO 145+20.00	LT							1				
D84	129G	144+59.00 TO 144+66.00	LT/RT	1										
D85	129G	144+66.00	RT	1										
D86	129G	144+02.00 TO 144+66.00	RT							1				
D87	129G	144+66.00 TO 145+16.00	RT							1				
D88	129G	144+66.00	RT							1	53			
D89	129G	143+99.00	LT		1									
D90	129G	144+02.00	RT		1									
D91	129G	145+20.00	LT		1									
D92	129G	145+16.00	RT		1									
D93	129G	147+00.00	LT		1									
		LIBERTY LANE												
D76	143A	8+90.00	LT		1									
D77	143A	9+30.00	RT		1									
D78	143A	9+51.70	RT	1										
D79	143A	9+52.81	LT	1										
TOTAL THIS SHEET				4	7					6	53			
TOTAL FROM SHEET NO. 79				8	9	2	2	1		3	1684	462		2
TOTAL CARRIED TO GENERAL SUMMARY				12	16	2	2	1		9	1737	462		2

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NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC
2	SALVAGE PUMP STATION	1/06	SCC

CALCULATED ALH CHECKED AM

DRAINAGE SUBSUMMARY

MEG-33-15.70

UNDERDRAIN SUBSUMMARY

REFERENCE NO.	SEE SHEET NO.	UNDERDRAIN LOCATION BEGINNING STATION	UNDERDRAIN LOCATION ENDING STATION	SIDE	BEGINNING ELEVATION	ENDING ELEVATION	604 PRECAST REINFORCED CONCRETE OUTLET (L.F.)	SPECIAL SPECIAL - FREE DRAINING BASE TRENCH (WVDOH) (L.F.)	SPECIAL SPECIAL - OUTLET PIPE, 6" (WVDOH) (L.F.)	FOR INFORMATION ONLY: OUTLETS INTO ANOTHER UNDERDRAIN (EA.)	OUTLETS INTO CATCH BASIN (EA.)	END CAP (EA.)	TEE CONNECTION (EA.)	90° ELL CONNECTION (EA.)	45° BEND (EA.)	OUTLET STATION	OUTLET FLOW LINE ELEVATION	OUTLET OFFSET FROM ℄	NOTES
		WAL-MART ACCESS DR.					MASON	MASON	MASON										
U1		NOT USED																	
		SR 833																	
U2	114	20+93.24	21+07.00	LT.	583.25	583.40		13.76			1	1				20+93.24	583.25	28.00	
		SR 833 TO WV 62																	
U3	114	20+89.16	209+50.00	LT.	583.17	580.18	1	357.78	12.48			1				209+50.00	579.04	32.24	
		SR 833																	
U4		NOT USED																	
U5	114	20+77.62	21+07.01	RT.	583.18	583.40		29.39			1	1				20+77.71	583.18	28.12	
U6	114	20+60.36	20+75.96	RT.	583.06	583.13		15.91			1	1				20+60.85	583.06	31.11	
U7	114	20+44.69	20+60.40	RT.	583.20	583.03		15.40			1	1				20+60.85	583.03	31.11	
U8	114	20+16.66	20+44.69	RT.	583.48	583.20		41.56			1	1				20+45.22	583.20	37.98	
U9 THRU U40		NOT USED																	
1																			
TOTALS CARRIED TO SHEET NO. 82							1	473.80	12.48		5	6							

CALCULATED JGB
CHECKED AM

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

MEG-33-15.70

UNDERDRAIN SUBSUMMARY

CALCULATED IM CHECKED JMS

REF NO.	SHEET NO.	STATION TO STATION	SIDE	603 6" UNDERDRAIN, TYPE F (LIN FT)	603 6" CONDUIT, TYPE B (LIN FT)	605 4" SHALLOW PIPE UNDERDRAIN (LIN FT)	FOR INFORMATION ONLY: END CAP (EACH)	90° ELL CONNECTION (EACH)	OUTLET STATION	OUTLET FLOW LINE ELEVATION	OUTLET OFFSET FROM ℄
		MAIN STREET									
U-56		NOT USED									
U-57		NOT USED									
U-58	129A	131+86 TO 133+36	LT	10		140	1		131+86	564.52'	14'
U-59	129A	131+86 TO 139+06	RT	10		710			131+86	564.35'	16'
U-60	129E	139+06 TO 143+99	LT	10		483			143+99	572.01'	14'
U-61	129C	139+06 TO 144+02	RT	10		486			144+02	571.82'	16'
U-62	129C	133+40 TO 136+66	LT	10		326	1		133+40	567.49'	14'
U-63	129C	136+70 TO 139+06	LT	10		226			136+70	574.41'	14'
U-64	129G	144+03 TO 144+59	LT	10		46	1		144+59	571.77'	14'
U-65	129G	144+59 TO 145+16	LT	10		47	1		144+59	571.77'	14'
U-66	129G	144+06 TO 144+66	RT	10		50	1		144+66	571.03'	17.9'
U-67	129G	144+66 TO 145+12	RT	10		36	1		144+66	571.03'	17.9'
U-68	129G	145+20 TO 146+96	LT	10		166	1		145+20	572.01'	14'
U-69	129G	145+16 TO 147+75	RT	10		249	1		145+16	571.82'	20.4'
		S.R. 833									
U-70	129G	47+04 TO 147+00 (MAIN STREET)	RT, LT	10		190	1		147+00	573.95'	26' LT.
U-71	121E	147+75 (MAIN STREET) TO 53+00	RT	10		627			53+00	564.77'	14'
U-72	121E	47+04 TO 50+83	LT	10		369	1		50+83	568.41	29.8'
U-73	121G	53+59 TO 53+95	RT	10		26			53+59	564.41'	15.6'
U-74		NOT USED									
U-75	121G	53+10 TO 53+56	LT	10		36	1		53+10	564.63'	18.4'
U-76	121G	50+87 TO 53+10	LT	10		213	1		53+10	564.63'	18.4'
U-77	121C	39+85 TO 47+00	LT			715	1				
U-78	121A	39+92 TO 40+81	RT	10		79	1		40+81	602.23'	34'
U-79	121C	40+85 TO 43+00	RT	10		205	1		43+00	593.14	29'
U-80	121C	43+04 TO 47+00	RT	10		386	1		47+00	577.61'	28.2'
U-81	121E	47+00 TO 47+00	LT, RT		55			1	47+00	577.61'	28.2' RT.
		TOTALS CARRIED TO SHEET NO. 82		210	55	5,811	16	1			

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

MEG-33-15.70

REFERENCE NO.	SEE SHEET NO.	UNDERDRAIN LOCATION BEGINNING STATION	UNDERDRAIN LOCATION ENDING STATION	SIDE	BEGINNING ELEVATION	ENDING ELEVATION	603 6" CONDUIT TYPE F	603 6" CONDUIT TYPE B	604 PRECAST REINFORCED CONCRETE OUTLET	604 PRECAST REINFORCED CONCRETE OUTLET	605 4" SHALLOW PIPE UNDERDRAIN	SPECIAL SPECIAL - FREE DRAINING BASE TRENCH (WVDOH)		SPECIAL SPECIAL - OUTLET PIPE, 6" (WVDOH)		FOR INFORMATION ONLY OUTLETS INTO ANOTHER UNDERDRAIN	OUTLETS INTO CATCH BASIN	END CAP	TEE CONNECTION		90° ELL CONNECTION	45° BEND	OUTLET STATION	OUTLET FLOW LINE ELEVATION	OUTLET OFFSET FROM ℄	NOTES
							L.F.	L.F.	EA.	EA.	L.F.	L.F.		L.F.		EA.	EA.	EA.	EA.		EA.	EA.				
							POMEROY	POMEROY	MASON	POMEROY	POMEROY	MASON		MASON												
		WV 62																								
U41		NOT USED																								
U42	140	208+75.00	209+49.00	LT.	579.88	580.17						74.00		15.95				1	1				208+75.00	578.45	37.39	
U43	142	213+67.20	213+96.41	LT.	583.47	583.38						30.05		20.24				1					213+96.41	580.45	33.24	
U44	142	213+97.41	215+50.00	LT.	583.37	581.71						152.59					1	1					215+50.00	581.71	14.00	
U45	142	215+52.75	216+67.72	LT.	581.68	581.03						115.97					1	1					216+67.72	581.03	14.00	
U46	142	216+67.72	216+99.96	LT.	581.03	581.19						32.24					1	1					216+67.72	581.03	14.00	
U47		NOT USED																								
U48	140	208+75.00	209+49.00	RT.	579.64	579.66						74.16		60.94		1		1					208.75.00	578.55	19.76	
U49	140	209+50.00	212+18.19	RT.	579.65	582.48			1			268.51		7.12				1					209+50.00	578.46	55.72	
U50	140	212+00.00	213+01.00	RT.	582.94	583.27			1			101.00		48.01				1					212+00.00	577.53	83.01	
U51	140	213+02.00	214+15.86	RT.	583.27	582.83						113.86		36.97			1	1					214+00.00	576.48	68.33	
U52	142	214+17.86	215+19.00	RT.	582.74	581.63						101.14					1	1					215+19.00	581.63	38.00	
U53	142	215+21.75	216+00.09	RT.	581.59	580.78						72.25					1	1					216+00.00	580.78	38.00	
U54	142	216+02.75	216+67.92	RT.	580.76	580.64						66.09					1	1					216+67.72	580.64	33.49	
U55	142	216+67.92	217+00.00	RT.	580.64	580.80						32.38					1	1					216+67.72	580.64	33.49	
TOTALS THIS SHEET									2			1234.24		189.23		1	8	13	1							
TOTALS - SHEET NO. 81									1			473.80		12.48			5	6								
TOTALS - SHEET NO. 81A							210	55			5811										1					
GRAND TOTALS							210	55	3		5811	1708.04		201.71		1	13	19	1		1					
ALLOCATED GRAND TOTALS SUMMED TO GENERAL SUMMARY							210	55	3		5811	1708		202												
GRAND TOTALS CARRIED TO GENERAL SUMMARY							210	55		3	5811	1708		202												

1

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED JGB
CHECKED AM

UNDERDRAIN SUBSUMMARY

MEG-33-15.70

STATION TO STATION	SIDE	LENGTH L	AVERAGE WIDTH W	AREA A = L x W	CADD AREA A	203	203	203	254	254	254	301	301	301	301	301	301	302	304	304	304
				AREA		MASON	UNINC. (WV)	POMEROY	MASON	UNINC. WV	POMEROY	MASON	MASON	UNINC. (WV)	POMEROY	POMEROY	POMEROY	POMEROY	MASON	UNINC. (WV)	POMEROY
						14	14	14	22	22	22	25	6	6	6	5	7	21	9	9	9
						SUBGRADE COMPACTION A/9	SUBGRADE COMPACTION A/9	SUBGRADE COMPACTION A/9	PAVEMENT PLANING, BITUMINOUS (1¼") A/9	PAVEMENT PLANING, BITUMINOUS (1¼") A/9	PAVEMENT PLANING, BITUMINOUS (1¼") A/9	BITUMINOUS AGGREGATE BASE, PG64-22 (4") 4A/(12 x 27)	BITUMINOUS AGGREGATE BASE, PG64-22 (6") 6A/(12 x 27)	BITUMINOUS AGGREGATE BASE, PG64-22 (6") 6A/(12 x 27)	BITUMINOUS AGGREGATE BASE, PG64-22 (6") 6A/(12 x 27)	BITUMINOUS AGGREGATE BASE, PG64-22 (9") 9A/(12 x 27)	BITUMINOUS AGGREGATE BASE, PG64-22 (3") 3A/(12 x 27)	BITUMINOUS AGGREGATE BASE, PG64-22 (VAR.)	AGGREGATE BASE (6") 6A/(12 x 27)	AGGREGATE BASE (6") 6A/(12 x 27)	AGGREGATE BASE (6") 6A/(12 x 27)
		FT	FT	SQ FT	SQ FT	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
WALMART ACCESS DRIVE																					
16+30.85 TO 16+60.85	LT & RT	30.00	31.15	934.50	-							11.54									
16+30.85 TO 16+60.85	LT	30.00	2.78	83.40	-																
16+30.85 TO 16+60.85	LT & RT	30.00	36.20	1086.00	-																
16+30.85 TO 16+60.85	LT & RT	30.00	37.12	1113.60	-																
16+30.85 TO 16+60.85	LT & RT	30.00	38.03	1140.90	-														21.13		
16+30.85 TO 16+60.85	LT & RT	30.00	38.95	1168.50	-	129.83															
16+60.85 TO 17+50.00	LT & RT	89.15	38.60	3441.19	-							42.48									
16+60.85 TO 17+50.00	LT	89.15	4.80	427.92	-																
16+60.85 TO 17+50.00	LT & RT	89.15	45.65	4069.70	-																
16+60.85 TO 17+50.00	LT & RT	89.15	46.57	4151.72	-																
16+60.85 TO 17+50.00	LT & RT	89.15	47.48	4232.84	-														78.39		
16+60.85 TO 17+50.00	LT & RT	89.15	48.39	4313.97	-	479.33															
17+22.63 TO 17+50.00	RT	61.25	-	-	-																
17+50.00 TO 17+80.62	LT & RT	30.62	46.09	1411.28	-							17.42									
17+50.00 TO 17+80.62	LT & RT	30.62	9.60	293.95	-																
17+50.00 TO 17+80.62	LT & RT	30.62	60.19	1843.02	-																
17+50.00 TO 17+80.62	LT & RT	30.62	62.02	1899.05	-																
17+50.00 TO 17+80.62	LT & RT	30.62	63.84	1954.78	-														36.20		
17+50.00 TO 17+80.62	LT & RT	30.62	65.67	2010.82	-	223.42															
17+80.62 TO 18+80.62	LT & RT	100.00	48.00	4800.00	-							59.26									
17+80.62 TO 18+80.62	LT & RT	100.00	9.60	960.00	-																
17+80.62 TO 18+80.62	LT & RT	100.00	62.10	6210.00	-																
17+80.62 TO 18+80.62	LT & RT	100.00	63.93	6393.00	-																
17+80.62 TO 18+80.62	LT & RT	100.00	65.76	6576.00	-														121.78		
17+80.62 TO 18+80.62	LT & RT	100.00	67.59	6759.00	-	751.00															
18+80.62 TO 18+84.15	RT	3.53	36.00	127.08	-							1.57									
18+80.62 TO 18+84.15	RT	3.53	4.80	16.94	-																
18+80.62 TO 18+84.15	RT	3.53	43.05	151.97	-																
18+80.62 TO 18+84.15	RT	3.53	43.97	155.21	-																
18+80.62 TO 18+84.15	RT	3.53	44.88	158.43	-														2.93		
18+80.62 TO 18+84.15	RT	3.53	45.79	161.64	-	17.96															
18+80.62 TO 19+63.97	LT	-	-	-	2954.27							36.47									
18+80.62 TO 19+63.97	LT	-	-	-	743.33																
18+80.62 TO 19+63.97	LT	-	-	-	3928.23																
18+80.62 TO 19+63.97	LT	-	-	-	4019.92																
18+80.62 TO 19+63.97	LT	-	-	-	4110.15														76.11		
18+80.62 TO 19+63.97	LT	-	-	-	4199.10	466.57															
18+84.15 TO 19+63.97	RT	-	-	-	4537.38							56.02									
18+84.15 TO 19+63.97	RT	-	-	-	4609.06	512.12													85.35		
18+83.61 W-M TO 214+16.81 WV 62	RT	117.68	-	-	-																
TOTALS CARRIED TO SHEET NO. 101						2580.23						224.76							421.89		

CALCULATED JAG CHECKED AM

PAVEMENT CALCULATIONS

MEG-33-15.70

STATION TO STATION	SIDE	LENGTH L	AVERAGE WIDTH W	AREA A = L x W	CADD AREA A	SPECIAL MASON (31) MISC.: AGGREGATE BASE COURSE, CLASS I (WVDOH) (Var.) 1.980 x 0.58A/27	SPECIAL MASON (32) MISC.: AGGREGATE BASE COURSE, CLASS I (WVDOH) (6") 6A/(12 x 27)	SPECIAL MASON (36) MISC.: AGGREGATE BASE COURSE, CLASS I (WVDOH) (4") 4A/(12 x 27)	SPECIAL UNINC. (WV) (36) MISC.: AGGREGATE BASE COURSE, CLASS I (WVDOH) (4") 4A/(12 x 27)	407 MASON (4) TACK COAT 0.075A/9	407 UNINC. (WV) (4) TACK COAT 0.075A/9	407 POMEROY (4) TACK COAT 0.075A/9	407 MASON (2) TACK COAT FOR INTERMEDIATE COURSE 0.050A/9	407 UNINC. (WV) (2) TACK COAT FOR INTERMEDIATE COURSE 0.050A/9	407 POMEROY (2) TACK COAT FOR INTERMEDIATE COURSE 0.050A/9	408 POMEROY (8) BITUMINOUS PRIME COAT 0.4A/9	611 POMEROY (13) REINFORCED CONCRETE APPROACH SLAB (T=15") A/9	SPECIAL MASON (26) MISC.: 12" PORTLAND CEMENT CONCRETE APPROACH SLAB (WVDOH) A/9		
		FT.	FT.	SQ FT	SQ FT	TON	CU YD	CU YD	CU YD	GALLON	GALLON	GALLON	GALLON	GALLON	GALLON	GALLON	SQ YD	SQ YD		
WALMART ACCESS DRIVE																				
16+30.85 TO 16+60.85	LT & RT	30.00	31.15	934.50	-					7.79			5.19							
16+30.85 TO 16+60.85	LT	30.00	2.78	83.40	-	3.55														
16+30.85 TO 16+60.85	LT & RT	30.00	36.20	1086.00	-		20.11													
16+30.85 TO 16+60.85	LT & RT	30.00	37.12	1113.60	-															
16+30.85 TO 16+60.85	LT & RT	30.00	38.03	1140.90	-															
16+30.85 TO 16+60.85	LT & RT	30.00	38.95	1168.50	-															
16+60.85 TO 17+50.00	LT & RT	89.15	38.60	3441.19	-					28.68			19.12							
16+60.85 TO 17+50.00	LT	89.15	4.80	427.92	-	18.20														
16+60.85 TO 17+50.00	LT & RT	89.15	45.65	4069.70	-		75.36													
16+60.85 TO 17+50.00	LT & RT	89.15	46.57	4151.72	-															
16+60.85 TO 17+50.00	LT & RT	89.15	47.48	4232.84	-															
16+60.85 TO 17+50.00	LT & RT	89.15	48.39	4313.97	-															
17+22.63 TO 17+50.00	RT	61.25	-	-	-															
17+50.00 TO 17+80.62	LT & RT	30.62	46.09	1411.28	-					11.76			7.84							
17+50.00 TO 17+80.62	LT & RT	30.62	9.60	293.95	-	12.50														
17+50.00 TO 17+80.62	LT & RT	30.62	60.19	1843.02	-		34.13													
17+50.00 TO 17+80.62	LT & RT	30.62	62.02	1899.05	-															
17+50.00 TO 17+80.62	LT & RT	30.62	63.84	1954.78	-															
17+50.00 TO 17+80.62	LT & RT	30.62	65.67	2010.82	-															
17+80.62 TO 18+80.62	LT & RT	100.00	48.00	4800.00	-					40.00			26.67							
17+80.62 TO 18+80.62	LT & RT	100.00	9.60	960.00	-	40.83														
17+80.62 TO 18+80.62	LT & RT	100.00	62.10	6210.00	-		115.00													
17+80.62 TO 18+80.62	LT & RT	100.00	63.93	6393.00	-															
17+80.62 TO 18+80.62	LT & RT	100.00	65.76	6576.00	-															
17+80.62 TO 18+80.62	LT & RT	100.00	67.59	6759.00	-															
18+80.62 TO 18+84.15	RT	3.53	36.00	127.08	-					1.06			0.71							
18+80.62 TO 18+84.15	RT	3.53	4.80	16.94	-	0.72														
18+80.62 TO 18+84.15	RT	3.53	43.05	151.97	-		2.81													
18+80.62 TO 18+84.15	RT	3.53	43.97	155.21	-															
18+80.62 TO 18+84.15	RT	3.53	44.88	158.43	-															
18+80.62 TO 18+84.15	RT	3.53	45.79	161.64	-															
18+80.62 TO 19+63.97	LT	-	-	-	2954.27					24.62			16.41							
18+80.62 TO 19+63.97	LT	-	-	-	743.33	31.62														
18+80.62 TO 19+63.97	LT	-	-	-	3928.23		72.75													
18+80.62 TO 19+63.97	LT	-	-	-	4019.92															
18+80.62 TO 19+63.97	LT	-	-	-	4110.15															
18+80.62 TO 19+63.97	LT	-	-	-	4199.10															
18+84.15 TO 19+63.97	RT	-	-	-	4537.38		84.03			37.81			25.21							
18+84.15 TO 19+63.97	RT	-	-	-	4609.06															
18+83.61 W-M TO 214+16.81 WV 62	RT	117.68	-	-	-															
TOTALS CARRIED TO SHEET NO. 102						107.42	404.19			151.72			101.15							

CALCULATED JAG CHECKED AM

PAVEMENT CALCULATIONS

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STATION TO STATION	SIDE	LENGTH L (FT.)	AVERAGE WIDTH W (FT.)	AREA: AREA A = L x W (SQ FT)	AREA: CADD AREA A (SQ FT)	826 MASON (1) ASPHALT CONCRETE SURFACE COURSE, TYPE 1, FIBER B (1¼") 1.25A/(12 x 27) (CU YD)	826 UNINC. (WV) (1) ASPHALT CONCRETE SURFACE COURSE, TYPE 1, FIBER B (1¼") 1.25A/(12 x 27) (CU YD)	826 POMEROY (1) ASPHALT CONCRETE SURFACE COURSE, TYPE 1, FIBER B (1¼") 1.25A/(12 x 27) (CU YD)	826 MASON (3) ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, FIBER B (1¾") 1.75A/(12 x 27) (CU YD)	826 MASON (24) ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, FIBER B (2¼") 2.25A/(12 x 27) (CU YD)	826 UNINC. (WV) (24) ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, FIBER B (2¼") 2.25A/(12 x 27) (CU YD)	826 POMEROY (3) ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, FIBER B (1¾") 1.75A/(12 x 27) (CU YD)	830 POMEROY (17) COMBINATION CURB AND GUTTER, TYPE 2 (LIN FT)	SPECIAL MASON (23) MISC.: COMBINATION CONCRETE CURB AND GUTTER, TYPE I (WVDOH), AS PER PLAN (LIN FT)	830 POMEROY (18) CURB, TYPE 6 (LIN FT)	SPECIAL MASON (30) MISC.: PLAIN CONCRETE CURBING, TYPE I (WVDOH) (LIN FT)	SPECIAL MASON (27) MISC.: OPEN GRADED, FREE DRAINING BASE COURSE (WVDOH) 4A/(12 x 27) (CU YD)	SPECIAL MASON (34) MISC.: FABRIC FOR SEPARATION (WVDOH) A/9 (SQ YD)	SPECIAL UNINC. (WV) (34) MISC.: FABRIC FOR SEPARATION (WVDOH) A/9 (SQ YD)	SPECIAL MASON (10) MISC.: COMBINATION CONCRETE CURB AND GUTTER, TYPE IV (WVDOH), AS PER PLAN (LIN FT)
WALMART ACCESS DRIVE																				
16+30.85 TO 16+60.85	LT & RT	30.00	31.15	934.50	-	3.61			5.05											
16+30.85 TO 16+60.85	LT	30.00	2.78	83.40	-															
16+30.85 TO 16+60.85	LT & RT	30.00	36.20	1086.00	-															
16+30.85 TO 16+60.85	LT & RT	30.00	37.12	1113.60	-													123.73		
16+30.85 TO 16+60.85	LT & RT	30.00	38.03	1140.90	-															
16+30.85 TO 16+60.85	LT & RT	30.00	38.95	1168.50	-															
16+60.85 TO 17+50.00	LT & RT	89.15	38.60	3441.19	-	13.28			18.59											
16+60.85 TO 17+50.00	LT	89.15	4.80	427.92	-															
16+60.85 TO 17+50.00	LT & RT	89.15	45.65	4069.70	-															
16+60.85 TO 17+50.00	LT & RT	89.15	46.57	4151.72	-													461.30		
16+60.85 TO 17+50.00	LT & RT	89.15	47.48	4232.84	-															
16+60.85 TO 17+50.00	LT & RT	89.15	48.39	4313.97	-															
17+22.63 TO 17+50.00	RT	61.25	-	-	-											61				
17+50.00 TO 17+80.62	LT & RT	30.62	46.09	1411.28	-	5.44			7.62											
17+50.00 TO 17+80.62	LT & RT	30.62	9.60	293.95	-															
17+50.00 TO 17+80.62	LT & RT	30.62	60.19	1843.02	-															
17+50.00 TO 17+80.62	LT & RT	30.62	62.02	1899.05	-													211.01		
17+50.00 TO 17+80.62	LT & RT	30.62	63.84	1954.78	-															
17+50.00 TO 17+80.62	LT & RT	30.62	65.67	2010.82	-															
17+80.62 TO 18+80.62	LT & RT	100.00	48.00	4800.00	-	18.52			25.93											
17+80.62 TO 18+80.62	LT & RT	100.00	9.60	960.00	-															
17+80.62 TO 18+80.62	LT & RT	100.00	62.10	6210.00	-															
17+80.62 TO 18+80.62	LT & RT	100.00	63.93	6393.00	-													710.33		
17+80.62 TO 18+80.62	LT & RT	100.00	65.76	6576.00	-															
17+80.62 TO 18+80.62	LT & RT	100.00	67.59	6759.00	-															
18+80.62 TO 18+84.15	RT	3.53	36.00	127.08	-	0.49			0.69											
18+80.62 TO 18+84.15	RT	3.53	4.80	16.94	-															
18+80.62 TO 18+84.15	RT	3.53	43.05	151.97	-															
18+80.62 TO 18+84.15	RT	3.53	43.97	155.21	-													17.25		
18+80.62 TO 18+84.15	RT	3.53	44.88	158.43	-															
18+80.62 TO 18+84.15	RT	3.53	45.79	161.64	-															
18+80.62 TO 19+63.97	LT	-	-	-	2954.27	11.40			15.96											
18+80.62 TO 19+63.97	LT	-	-	-	743.33															
18+80.62 TO 19+63.97	LT	-	-	-	3928.23															
18+80.62 TO 19+63.97	LT	-	-	-	4019.92													446.66		
18+80.62 TO 19+63.97	LT	-	-	-	4110.15															
18+80.62 TO 19+63.97	LT	-	-	-	4199.10															
18+84.15 TO 19+63.97	RT	-	-	-	4537.38	17.51												504.15		
18+84.15 TO 19+63.97	RT	-	-	-	4609.06															
18+83.61 W-M TO 214+16.81 WV 62	RT	117.68	-	-	-											118				
TOTALS CARRIED TO SHEET NO. 103						70.25			73.84							179		2474.43		

CALCULATED JAG
CHECKED AM

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STATION TO STATION	SIDE	LENGTH L (FT)	AVERAGE WIDTH W (FT)	AREA A = L x W (SQ FT)	CADD AREA A (SQ FT)	203 MASON (14) SUBGRADE COMPACTION A/9 (SQ YD)	203 UNINC. (WV) (14) SUBGRADE COMPACTION A/9 (SQ YD)	203 POMEROY (14) SUBGRADE COMPACTION A/9 (SQ YD)	254 MASON (22) PAVEMENT PLANING, BITUMINOUS (1¼") A/9 (SQ YD)	254 UNINC. WV (22) PAVEMENT PLANING, BITUMINOUS (1¼") A/9 (SQ YD)	254 POMEROY (22) PAVEMENT PLANING, BITUMINOUS (1¼") A/9 (SQ YD)	301 MASON (25) BITUMINOUS AGGREGATE BASE, PG64-22 (4") 4A/(12 x 27) (CU YD)	301 MASON (6) BITUMINOUS AGGREGATE BASE, PG64-22 (6") 6A/(12 x 27) (CU YD)	301 UNINC. (WV) (6) BITUMINOUS AGGREGATE BASE, PG64-22 (6") 6A/(12 x 27) (CU YD)	301 POMEROY (6) BITUMINOUS AGGREGATE BASE, PG64-22 (6") 6A/(12 x 27) (CU YD)	301 POMEROY (5) BITUMINOUS AGGREGATE BASE, PG64-22 (9") 9A/(12 x 27) (CU YD)	301 POMEROY (7) BITUMINOUS AGGREGATE BASE, PG64-22 (3") 3A/(12 x 27) (CU YD)	302 POMEROY (21) BITUMINOUS AGGREGATE BASE, PG64-22 (VAR.) (CU YD)	304 MASON (9) AGGREGATE BASE (6") 6A/(12 x 27) (CU YD)	304 UNINC. (WV) (9) AGGREGATE BASE (6") 6A/(12 x 27) (CU YD)	304 POMEROY (9) AGGREGATE BASE (6") 6A/(12 x 27) (CU YD)
SR 833 (WV APPROACH)																					
20+12.02 TO 20+93.24	LT	-	-	-	3978.47																
20+12.02 TO 20+93.24	LT	-	-	-	3989.76																
20+12.02 TO 20+93.24	LT	-	-	-	4010.07								74.26								
20+12.02 TO 20+93.24	LT	-	-	-	3836.65														71.05		
20+12.02 TO 20+93.24	LT	-	-	-	4063.94	451.55															
20+12.02 TO 20+82.84	RT	-	-	-	3144.02																
20+12.02 TO 20+82.84	RT	-	-	-	3130.50								57.97								
20+12.02 TO 20+82.84	RT	-	-	-	2904.97														53.80		
20+12.02 TO 20+82.84	RT	-	-	-	3234.53	359.39															
213+96.41 WV 62 TO 20+63.75 SR 833	LT-RT	91.77	-	-	-																
20+82.84 TO 20+93.24	RT	10.40	28.00	291.20	-																
20+82.84 TO 20+93.24	RT	10.40	27.30	283.92	-								5.26								
20+82.84 TO 20+93.24	RT	10.40	25.30	263.12	-														4.87		
20+82.84 TO 20+93.24	RT	10.40	29.80	309.92	-	34.44															
20+93.24 TO 21+09.00	LT & RT	15.76	56.00	882.56	-																
20+93.24 TO 21+09.00	LT & RT	15.76	54.60	860.50	-								15.94								
20+93.24 TO 21+09.00	LT & RT	15.76	50.60	797.46	-														14.77		
20+93.24 TO 21+09.00	LT & RT	15.76	59.60	939.30	-	104.37															
21+09.00 TO 21+30.50	LT & RT	21.50	56.00	1204.00	-																
21+09.00 TO 21+30.50	LT & RT	21.50	58.45	1256.68	-	139.63													23.27		
SR 833 (OHIO SIDE)																					
39+83.01 TO 40+08.01	LT & RT	25.00	71.64	1791.00	-																
39+83.01 TO 40+08.01	LT & RT	25.00	72.64	1816.00	-			201.78													33.63
40+08.01 TO 40+60.00	LT & RT	51.99	61.50	3197.39	-											88.82					
40+08.01 TO 40+60.00	RT	51.99	8.50	441.92	-																
40+08.01 TO 40+60.00	LT & RT	51.99	67.00	3483.33	-			387.04													64.51
40+60.00 TO 41+47.79	LT & RT	87.79	58.00	5091.82	-											141.44					
40+60.00 TO 41+47.79	LT & RT	87.79	65.50	5750.25	-			638.92													106.49
40+60.00 TO 41+47.79	RT	87.79	-	-	-																
40+60.00 TO 40+84.00	RT	24.05	-	-	-																
41+47.79 TO 42+19.90	LT & RT	72.11	57.29	4131.18	-											114.76					
41+47.79 TO 42+19.90	LT & RT	72.11	64.79	4672.01	-			519.11													86.52
41+47.79 TO 42+19.90	RT	72.11	-	-	-																
42+19.90 TO 42+69.90	LT & RT	50.00	52.09	2604.50	-											72.35					
42+19.90 TO 42+69.90	LT & RT	50.00	60.09	3004.50	-			333.83													55.64
42+19.90 TO 42+69.90	LT	50.00	-	-	-																
42+19.90 TO 42+69.90	RT	50.00	-	-	-																
42+69.90 TO 43+51.31	LT & RT	81.41	50.00	4070.50	-											113.07					
42+69.90 TO 43+51.31	LT & RT	81.41	56.00	4558.96	-			506.55													84.43
42+69.90 TO 43+51.31	LT	81.41	-	-	-																
42+69.90 TO 43+51.31	RT	81.41	-	-	-																
TOTALS CARRIED TO SHEET NO. 101						1089.38		2587.23					153.43			530.44			167.76		431.22

CALCULATED JAG CHECKED AM

PAVEMENT CALCULATIONS

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NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED JAG CHECKED AM

PAVEMENT CALCULATIONS

STATION TO STATION	SIDE	LENGTH L	AVERAGE WIDTH W	AREA A = L x W	CADD AREA A	SPECIAL MASON (31) MISC.: AGGREGATE BASE COURSE, CLASS I (WVDOH) (Var.) 1.980 x 0.58A/27	SPECIAL MASON (32) MISC.: AGGREGATE BASE COURSE, CLASS I (WVDOH) (6") 6A/(12 x 27)	SPECIAL MASON (36) MISC.: AGGREGATE BASE COURSE, CLASS I (WVDOH) (4") 4A/(12 x 27)	SPECIAL UNINC. (WV) (36) MISC.: AGGREGATE BASE COURSE, CLASS I (WVDOH) (4") 4A/(12 x 27)	407 MASON (4) TACK COAT 0.075A/9	407 UNINC. (WV) (4) TACK COAT 0.075A/9	407 POMEROY (4) TACK COAT 0.075A/9	407 MASON (2) TACK COAT FOR INTERMEDIATE COURSE 0.050A/9	407 UNINC. (WV) (2) TACK COAT FOR INTERMEDIATE COURSE 0.050A/9	407 POMEROY (2) TACK COAT FOR INTERMEDIATE COURSE 0.050A/9	408 POMEROY (8) BITUMINOUS PRIME COAT 0.4A/9	611 POMEROY (13) REINFORCED CONCRETE APPROACH SLAB (T=15") A/9	SPECIAL MASON (26) MISC.: 12" PORTLAND CEMENT CONCRETE APPROACH SLAB (WVDOH) A/9	830 POMEROY (17) COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN 1
		FT.	FT.	SQ FT	SQ FT	TON	CU YD	CU YD	CU YD	GALLON	GALLON	GALLON	GALLON	GALLON	GALLON	GALLON	SQ YD	SQ YD	LIN FT
SR 833 (WV APPROACH)																			
20+12.02 TO 20+93.24	LT	-	-	-	3978.47														
20+12.02 TO 20+93.24	LT	-	-	-	3989.76								22.17						
20+12.02 TO 20+93.24	LT	-	-	-	4010.07					33.42									
20+12.02 TO 20+93.24	LT	-	-	-	3836.65														
20+12.02 TO 20+93.24	LT	-	-	-	4063.94														
20+12.02 TO 20+82.84	RT	-	-	-	3144.02								17.47						
20+12.02 TO 20+82.84	RT	-	-	-	3130.50					26.09									
20+12.02 TO 20+82.84	RT	-	-	-	2904.97														
20+12.02 TO 20+82.84	RT	-	-	-	3234.53														
213+96.41 WV 62 TO 20+63.75 SR 833	LT-RT	91.77	-	-	-														
20+82.84 TO 20+93.24	RT	10.40	28.00	291.20	-								1.62						
20+82.84 TO 20+93.24	RT	10.40	27.30	283.92	-					2.37									
20+82.84 TO 20+93.24	RT	10.40	25.30	263.12	-														
20+82.84 TO 20+93.24	RT	10.40	29.80	309.92	-														
20+93.24 TO 21+09.00	LT & RT	15.76	56.00	882.56	-								4.90						
20+93.24 TO 21+09.00	LT & RT	15.76	54.60	860.50	-					7.17									
20+93.24 TO 21+09.00	LT & RT	15.76	50.60	797.46	-														
20+93.24 TO 21+09.00	LT & RT	15.76	59.60	939.30	-														
21+09.00 TO 21+30.50	LT & RT	21.50	56.00	1204.00	-					10.03									
21+09.00 TO 21+30.50	LT & RT	21.50	58.45	1256.68	-													139.63	
SR 833 (OHIO SIDE)																			
1 39+83.01 TO 40+08.01	LT & RT	25.00	71.64	1791.00	-												199.00		
39+83.01 TO 40+08.01	LT & RT	25.00	72.64	1816.00	-														
40+08.01 TO 40+60.00	LT & RT	51.99	61.50	3197.39	-							26.64			17.76	142.11			
40+08.01 TO 40+60.00	RT	51.99	8.50	441.92	-												49.10		
40+08.01 TO 40+60.00	LT & RT	51.99	67.00	3483.33	-														
40+60.00 TO 41+47.79	LT & RT	87.79	58.00	5091.82	-							42.43			28.29	226.30			
40+60.00 TO 41+47.79	LT & RT	87.79	65.50	5750.25	-														87.79
40+60.00 TO 41+47.79	RT	87.79	-	-	-														24.05
40+60.00 TO 40+84.00	RT	24.05	-	-	-														
41+47.79 TO 42+19.90	LT & RT	72.11	57.29	4131.18	-							34.43			22.95	183.61			
41+47.79 TO 42+19.90	LT & RT	72.11	64.79	4672.01	-														72.11
41+47.79 TO 42+19.90	RT	72.11	-	-	-														
42+19.90 TO 42+69.90	LT & RT	50.00	52.09	2604.50	-							21.70			14.47	115.76			
42+19.90 TO 42+69.90	LT & RT	50.00	60.09	3004.50	-														50.00
42+19.90 TO 42+69.90	LT	50.00	-	-	-														50.00
42+19.90 TO 42+69.90	RT	50.00	-	-	-														
42+69.90 TO 43+51.31	LT & RT	81.41	50.00	4070.50	-							33.92			22.61	180.91			
42+69.90 TO 43+51.31	LT & RT	81.41	56.00	4558.96	-														
42+69.90 TO 43+51.31	LT	81.41	-	-	-														
42+69.90 TO 43+51.31	RT	81.41	-	-	-														
TOTALS CARRIED TO SHEET NO. 102										79.08		159.12	46.16		106.08	848.69	248.10	139.63	283.95

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STATION TO STATION	SIDE	LENGTH L	AVERAGE WIDTH W	AREA A = L x W	CADD AREA A	826 MASON (1) ASPHALT CONCRETE SURFACE COURSE, TYPE 1, FIBER B (1¼") 1.25A/(12 x 27)	826 UNINC. (WV) (1) ASPHALT CONCRETE SURFACE COURSE, TYPE 1, FIBER B (1¼") 1.25A/(12 x 27)	826 POMEROY (1) ASPHALT CONCRETE SURFACE COURSE, TYPE 1, FIBER B (1¼") 1.25A/(12 x 27)	826 MASON (3) ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, FIBER B (1¾") 1.75A/(12 x 27)	826 MASON (24) ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, FIBER B (2¼") 2.25A/(12 x 27)	826 UNINC. (WV) (24) ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, FIBER B (2¼") 2.25A/(12 x 27)	826 POMEROY (3) ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, FIBER B (1¾") 1.75A/(12 x 27)	830 POMEROY (17) COMBINATION CURB AND GUTTER, TYPE 2	SPECIAL MASON (23) MISC.: COMBINATION CONCRETE CURB AND GUTTER, TYPE I (WVDOH), AS PER PLAN	830 POMEROY (18) CURB, TYPE 6	SPECIAL MASON (30) MISC.: PLAIN CONCRETE CURBING, TYPE I (WVDOH)	SPECIAL MASON (27) MISC.: OPEN GRADED, FREE DRAINING BASE COURSE (WVDOH) 4A/(12 x 27)	SPECIAL MASON (34) MISC.: FABRIC FOR SEPARATION (WVDOH) A/9	SPECIAL UNINC. (WV) (34) MISC.: FABRIC FOR SEPARATION (WVDOH) A/9	SPECIAL MASON (10) MISC.: COMBINATION CONCRETE CURB AND GUTTER, TYPE IV (WVDOH), AS PER PLAN
		FT.	FT.	SQ FT	SQ FT	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	LIN FT	LIN FT	LIN FT	LIN FT	CU YD	SQ YD	SQ YD	LIN FT
SR 833 (WV APPROACH)																				
20+12.02 TO 20+93.24	LT	-	-	-	3978.47	15.35														
20+12.02 TO 20+93.24	LT	-	-	-	3989.76					27.71										
20+12.02 TO 20+93.24	LT	-	-	-	4010.07															
20+12.02 TO 20+93.24	LT	-	-	-	3836.65												47.37	426.29		
20+12.02 TO 20+93.24	LT	-	-	-	4063.94															
20+12.02 TO 20+82.84	RT	-	-	-	3144.02	12.13														
20+12.02 TO 20+82.84	RT	-	-	-	3130.50					21.74										
20+12.02 TO 20+82.84	RT	-	-	-	2904.97												35.86	322.77		
20+12.02 TO 20+82.84	RT	-	-	-	3234.53															
213+96.41 WV 62 TO 20+63.75 SR 833	LT-RT	91.77	-	-	-											92				
20+82.84 TO 20+93.24	RT	10.40	28.00	291.20	-	1.12														
20+82.84 TO 20+93.24	RT	10.40	27.30	283.92	-					1.97										
20+82.84 TO 20+93.24	RT	10.40	25.30	263.12	-												3.25	29.24		
20+82.84 TO 20+93.24	RT	10.40	29.80	309.92	-															
20+93.24 TO 21+09.00	LT & RT	15.76	56.00	882.56	-	3.40														
20+93.24 TO 21+09.00	LT & RT	15.76	54.60	860.50	-					5.98										
20+93.24 TO 21+09.00	LT & RT	15.76	50.60	797.46	-												9.85	88.61		
20+93.24 TO 21+09.00	LT & RT	15.76	59.60	939.30	-															
21+09.00 TO 21+30.50	LT & RT	21.50	56.00	1204.00	-	4.65														
21+09.00 TO 21+30.50	LT & RT	21.50	58.45	1256.68	-															
SR 833 (OHIO SIDE)																				
1 39+83.01 TO 40+08.01	LT & RT	25.00	71.64	1791.00	-															
39+83.01 TO 40+08.01	LT & RT	25.00	72.64	1816.00	-															
40+08.01 TO 40+60.00	LT & RT	51.99	61.50	3197.39	-			12.34				17.27								
40+08.01 TO 40+60.00	RT	51.99	8.50	441.92	-															
40+08.01 TO 40+60.00	LT & RT	51.99	67.00	3483.33	-										~~88~~					
40+60.00 TO 41+47.79	LT & RT	87.79	58.00	5091.82	-			19.64				27.50								
40+60.00 TO 41+47.79	LT & RT	87.79	65.50	5750.25	-															
40+60.00 TO 41+47.79	RT	87.79	-	-	-										~~46~~					
40+60.00 TO 40+84.00	RT	24.05	-	-	-															
41+47.79 TO 42+19.90	LT & RT	72.11	57.29	4131.18	-			15.94				22.31								
41+47.79 TO 42+19.90	LT & RT	72.11	64.79	4672.01	-										~~211~~					
41+47.79 TO 42+19.90	RT	72.11	-	-	-															
42+19.90 TO 42+69.90	LT & RT	50.00	52.09	2604.50	-			10.05				14.07			~~48~~					
42+19.90 TO 42+69.90	LT & RT	50.00	60.09	3004.50	-										~~38~~					
42+19.90 TO 42+69.90	LT	50.00	-	-	-															
42+19.90 TO 42+69.90	RT	50.00	-	-	-															
															~~133~~					
42+69.90 TO 43+51.31	LT & RT	81.41	50.00	4070.50	-			15.70				21.99			~~81~~					
42+69.90 TO 43+51.31	LT & RT	81.41	56.00	4558.96	-															
42+69.90 TO 43+51.31	LT	81.41	-	-	-								81.41							
42+69.90 TO 43+51.31	RT	81.41	-	-	-								81.41							
TOTALS CARRIED TO SHEET NO. 103						36.65		73.67		57.40		103.14	162.82		0	92	96.33	866.91		

CALCULATED JAG
CHECKED AM

PAVEMENT CALCULATIONS

MEG-33-15.70

NUMBER	REVISION	DATE	BY
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STATION TO STATION	SIDE	LENGTH L (FT)	AVERAGE WIDTH W (FT)	AREA A = L x W (SQ FT)	CADD AREA A (SQ FT)	203 MASON (14) SUBGRADE COMPACTION A/9 (SQ YD)	203 UNINC. (WV) (14) SUBGRADE COMPACTION A/9 (SQ YD)	203 POMEROY (14) SUBGRADE COMPACTION A/9 (SQ YD)	254 MASON (22) PAVEMENT PLANING, BITUMINOUS (1 1/4") A/9 (SQ YD)	254 UNINC. WV (22) PAVEMENT PLANING, BITUMINOUS (1 1/4") A/9 (SQ YD)	254 POMEROY (22) PAVEMENT PLANING, BITUMINOUS (1 1/4") A/9 (SQ YD)	301 MASON (25) BITUMINOUS AGGREGATE BASE, PG64-22 (4") 4A/(12 x 27) (CU YD)	301 MASON (6) BITUMINOUS AGGREGATE BASE, PG64-22 (6") 6A/(12 x 27) (CU YD)	301 UNINC. (WV) (6) BITUMINOUS AGGREGATE BASE, PG64-22 (6") 6A/(12 x 27) (CU YD)	301 POMEROY (6) BITUMINOUS AGGREGATE BASE, PG64-22 (6") 6A/(12 x 27) (CU YD)	301 POMEROY (5) BITUMINOUS AGGREGATE BASE, PG64-22 (9") 9A/(12 x 27) (CU YD)	301 POMEROY (7) BITUMINOUS AGGREGATE BASE, PG64-22 (3") 3A/(12 x 27) (CU YD)	302 POMEROY (21) BITUMINOUS AGGREGATE BASE, PG64-22 (VAR.) 1.89A/27 (US 33) (CU YD)	304 MASON (9) AGGREGATE BASE (6") 6A/(12 x 27) (CU YD)	304 UNINC. (WV) (9) AGGREGATE BASE (6") 6A/(12 x 27) (CU YD)	304 POMEROY (9) AGGREGATE BASE (6") 6A/(12 x 27) (CU YD)
1 SR 833 (OHIO SIDE) (Cont'd.)																					
43+51.31 TO 46+13.89	LT & RT	262.58	50.00	13129.00	-											364.69					
43+51.31 TO 46+13.89	LT & RT	262.58	56.00	14704.48	-			1633.83													272.31
43+51.31 TO 46+13.89	LT	262.58	-	-	-																
43+51.31 TO 46+13.89	RT	262.58	-	-	-																
46+13.89 TO 46+83.89	LT & RT	70.00	49.00	3430.00	-											95.28					
46+13.89 TO 46+83.89	LT & RT	70.00	55.00	3850.00	-			427.78													71.30
46+13.89 TO 46+83.89	LT	70.00	-	-	-																
46+13.89 TO 46+83.89	RT	70.00	-	-	-																
46+83.89 TO 47+50.00	LT & RT	66.11	48.00	3173.28	-											88.15					
46+83.89 TO 47+50.00	LT & RT	66.11	54.00	3569.94	-			396.66													66.11
46+83.89 TO 47+50.00	LT	66.11	-	-	-																
46+83.89 TO 47+03.42	RT	19.53	-	-	-																
47+50.00 TO 49+03.54	LT & RT	153.54	36.00	5527.44	-											153.54					
47+50.00 TO 49+03.54	LT & RT	153.54	42.00	6448.68	-			716.52													119.42
47+50.00 TO 49+03.54	LT	153.54	-	-	-																
48+50.69 TO 49+03.54	RT	52.85	-	-	-																
49+03.54 TO 50+08.54	LT & RT	105.00	37.88	3976.88	-											110.47		~~245.39~~			
49+03.54 TO 50+08.54	LT & RT	105.00	43.88	4606.88	-			511.88													85.31
49+03.54 TO 50+08.54	LT	105.00	-	-	-																
49+03.54 TO 50+08.54	RT	105.00	-	-	-																
50+08.54 TO 52+04.72	LT & RT	196.18	38.44	7541.16	-											209.48					
50+08.54 TO 52+04.72	LT & RT	196.18	44.44	8718.24	-			968.69													161.45
50+08.54 TO 52+04.72	LT	196.18	-	-	-													~~37.73~~			
50+08.54 TO 52+04.72	RT	196.18	-	-	-																
52+04.72 TO 53+95.00	LT & RT	190.28	31.77	6045.20	-											167.92					
52+04.72 TO 53+95.00	LT & RT	190.28	37.77	7186.88	-			798.54													133.09
52+04.72 TO 53+95.00	LT	190.28	-	-	-																
52+04.72 TO 53+95.00	RT	190.28	-	-	-																
MAIN ST.																					
131+00.00 TO 131+42.00	LT & RT	42.00	24.00	1008.00	-										18.67						
131+00.00 TO 131+42.00	LT & RT	42.00	31.00	1302.00	-			144.67													24.11
131+00.00 TO 131+42.00	LT	41.44	-	-	-																
131+00.00 TO 131+42.00	RT	43.47	-	-	-																
131+42.00 TO 144+27.12	LT & RT	1285.12	24.00	30842.88	-										571.16						
131+42.00 TO 144+27.12	LT & RT	1285.12	32.00	41123.84	-			4569.32													761.55
131+42.00 TO 144+27.12	LT	1183.97	-	-	-																
131+42.00 TO 144+27.12	RT	1285.12	-	-	-																
TOTALS CARRIED TO SHEET NO. 101								10167.89							589.83	1189.53		0			1694.65

CALCULATED JAG
CHECKED AM

PAVEMENT CALCULATIONS

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PAVEMENT CALCULATIONS

STATION TO STATION	SIDE	LENGTH L	AVERAGE WIDTH W	AREA A = L x W	CADD AREA A	SPECIAL MASON (31) MISC.: AGGREGATE BASE COURSE, CLASS I (WVDOH) (Var.) 1.980 x 0.58A/27	SPECIAL MASON (32) MISC.: AGGREGATE BASE COURSE, CLASS I (WVDOH) (6") 6A/(12 x 27)	SPECIAL MASON (36) MISC.: AGGREGATE BASE COURSE, CLASS I (WVDOH) (4") 4A/(12 x 27)	SPECIAL UNINC. (WV) (36) MISC.: AGGREGATE BASE COURSE, CLASS I (WVDOH) (4") 4A/(12 x 27)	407 MASON (4) TACK COAT 0.075A/9	407 UNINC. (WV) (4) TACK COAT 0.075A/9	407 POMEROY (4) TACK COAT 0.075A/9	407 MASON (2) TACK COAT FOR INTERMEDIATE COURSE 0.050A/9	407 UNINC. (WV) (2) TACK COAT FOR INTERMEDIATE COURSE 0.050A/9	407 POMEROY (2) TACK COAT FOR INTERMEDIATE COURSE 0.050A/9	408 POMEROY (8) BITUMINOUS PRIME COAT 0.4A/9	611 POMEROY (13) REINFORCED CONCRETE APPROACH SLAB (T=15") A/9	SPECIAL MASON (26) MISC.: 12" PORTLAND CEMENT CONCRETE APPROACH SLAB (WVDOH) A/9	830 POMEROY (17) COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN
		FT.	FT.	SQ FT	SQ FT	TON	CU YD	CU YD	CU YD	GALLON	GALLON	GALLON	GALLON	GALLON	GALLON	GALLON	SQ YD	SQ YD	LIN FT
SR 833 (OHIO SIDE) (Cont'd.)																			
43+51.31 TO 46+13.89	LT & RT	262.58	50.00	13129.00	-							109.41			72.94	583.51			
43+51.31 TO 46+13.89	LT & RT	262.58	56.00	14704.48	-														
43+51.31 TO 46+13.89	LT	262.58	-	-	-														
43+51.31 TO 46+13.89	RT	262.58	-	-	-														
46+13.89 TO 46+83.89	LT & RT	70.00	49.00	3430.00	-							28.58			19.06	152.44			
46+13.89 TO 46+83.89	LT & RT	70.00	55.00	3850.00	-														
46+13.89 TO 46+83.89	LT	70.00	-	-	-														
46+13.89 TO 46+83.89	RT	70.00	-	-	-														
46+83.89 TO 47+50.00	LT & RT	66.11	48.00	3173.28	-							26.44			17.63	141.03			
46+83.89 TO 47+50.00	LT & RT	66.11	54.00	3569.94	-														
46+83.89 TO 47+50.00	LT	66.11	-	-	-														
46+83.89 TO 47+03.42	RT	19.53	-	-	-														
47+50.00 TO 49+03.54	LT & RT	153.54	36.00	5527.44	-							46.06			30.71	245.66			
47+50.00 TO 49+03.54	LT & RT	153.54	42.00	6448.68	-														
47+50.00 TO 49+03.54	LT	153.54	-	-	-														
48+50.69 TO 49+03.54	RT	52.85	-	-	-														
49+03.54 TO 50+08.54	LT & RT	105.00	37.88	3976.88	-							33.14			22.09	176.75			
49+03.54 TO 50+08.54	LT & RT	105.00	43.88	4606.88	-														
49+03.54 TO 50+08.54	LT	105.00	-	-	-														
49+03.54 TO 50+08.54	RT	105.00	-	-	-														
50+08.54 TO 52+04.72	LT & RT	196.18	38.44	7541.16	-							62.84			41.90	335.16			
50+08.54 TO 52+04.72	LT & RT	196.18	44.44	8718.24	-														
50+08.54 TO 52+04.72	LT	196.18	-	-	-														
50+08.54 TO 52+04.72	RT	196.18	-	-	-														
52+04.72 TO 53+95.00	LT & RT	190.28	31.77	6045.20	-							50.38			33.58	268.68			
52+04.72 TO 53+95.00	LT & RT	190.28	37.77	7186.88	-														
52+04.72 TO 53+95.00	LT	190.28	-	-	-														
52+04.72 TO 53+95.00	RT	190.28	-	-	-														
MAIN ST.																			
131+00.00 TO 131+42.00	LT & RT	42.00	24.00	1008.00	-							8.40			5.60	44.80			
131+00.00 TO 131+42.00	LT & RT	42.00	31.00	1302.00	-														
131+00.00 TO 131+42.00	LT	41.44	-	-	-														
131+00.00 TO 131+42.00	RT	43.47	-	-	-														43.47
131+42.00 TO 144+27.12	LT & RT	1285.12	24.00	30842.88	-							257.02			171.35	1370.79			
131+42.00 TO 144+27.12	LT & RT	1285.12	32.00	41123.84	-														
131+42.00 TO 144+27.12	LT	1183.97	-	-	-														
131+42.00 TO 144+27.12	RT	1285.12	-	-	-														1285.12
TOTALS CARRIED TO SHEET NO. 102												622.27			414.86	3318.82			1328.59

CALCULATED JAG CHECKED AM

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PAVEMENT CALCULATIONS

STATION TO STATION	SIDE	LENGTH L	AVERAGE WIDTH W	AREA A = L x W	CADD AREA A	826 MASON (1) ASPHALT CONCRETE SURFACE COURSE, TYPE 1, FIBER B (1¼") 1.25A/(12 x 27)	826 UNINC. (WV) (1) ASPHALT CONCRETE SURFACE COURSE, TYPE 1, FIBER B (1¼") 1.25A/(12 x 27)	826 POMEROY (1) ASPHALT CONCRETE SURFACE COURSE, TYPE 1, FIBER B (1¼") 1.25A/(12 x 27)	826 MASON (3) ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, FIBER B (1¾") 1.75A/(12 x 27)	826 MASON (24) ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, FIBER B (2¼") 2.25A/(12 x 27)	826 UNINC. (WV) (24) ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, FIBER B (2¼") 2.25A/(12 x 27)	826 POMEROY (3) ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, FIBER B (1¾") 1.75A/(12 x 27)	830 POMEROY (17) COMBINATION CURB AND GUTTER, TYPE 2	SPECIAL MASON (23) MISC.: COMBINATION CONCRETE CURB AND GUTTER, TYPE I (WVDOH), AS PER PLAN	830 POMEROY (18) CURB, TYPE 6	SPECIAL MASON (30) MISC.: PLAIN CONCRETE CURBING, TYPE I (WVDOH)	SPECIAL MASON (27) MISC.: OPEN GRADED, FREE DRAINING BASE COURSE (WVDOH) 4A/(12 x 27)	SPECIAL MASON (34) MISC.: FABRIC FOR SEPARATION (WVDOH) A/9	SPECIAL UNINC. (WV) (34) MISC.: FABRIC FOR SEPARATION (WVDOH) A/9	SPECIAL MASON (10) MISC.: COMBINATION CONCRETE CURB AND GUTTER, TYPE IV (WVDOH), AS PER PLAN
		FT.	FT.	SQ FT	SQ FT	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	LIN FT	LIN FT	LIN FT	LIN FT	CU YD	SQ YD	SQ YD	LIN FT
1 SR 833 (OHIO SIDE) (Cont'd.)																				
43+51.31 TO 46+13.89	LT & RT	262.58	50.00	13129.00	-			50.65				70.91								
43+51.31 TO 46+13.89	LT & RT	262.58	56.00	14704.48	-															
43+51.31 TO 46+13.89	LT	262.58	-	-	-								262.58							
43+51.31 TO 46+13.89	RT	262.58	-	-	-								262.58							
46+13.89 TO 46+83.89	LT & RT	70.00	49.00	3430.00	-			13.23				18.53								
46+13.89 TO 46+83.89	LT & RT	70.00	55.00	3850.00	-															
46+13.89 TO 46+83.89	LT	70.00	-	-	-								70.00							
46+13.89 TO 46+83.89	RT	70.00	-	-	-								70.00							
46+83.89 TO 47+50.00	LT & RT	66.11	48.00	3173.28	-			12.24				17.14								
46+83.89 TO 47+50.00	LT & RT	66.11	54.00	3569.94	-															
46+83.89 TO 47+50.00	LT	66.11	-	-	-								66.11							
46+83.89 TO 47+03.42	RT	19.53	-	-	-								19.53							
47+50.00 TO 49+03.54	LT & RT	153.54	36.00	5527.44	-			21.33				29.86								
47+50.00 TO 49+03.54	LT & RT	153.54	42.00	6448.68	-															
47+50.00 TO 49+03.54	LT	153.54	-	-	-								153.54							
48+50.69 TO 49+03.54	RT	52.85	-	-	-								52.85							
49+03.54 TO 50+08.54	LT & RT	105.00	37.88	3976.88	-			15.34				21.48								
49+03.54 TO 50+08.54	LT & RT	105.00	43.88	4606.88	-															
49+03.54 TO 50+08.54	LT	105.00	-	-	-								105.00							
49+03.54 TO 50+08.54	RT	105.00	-	-	-								105.00							
50+08.54 TO 52+04.72	LT & RT	196.18	38.44	7541.16	-			29.09				40.73								
50+08.54 TO 52+04.72	LT & RT	196.18	44.44	8718.24	-															
50+08.54 TO 52+04.72	LT	196.18	-	-	-								196.18							
50+08.54 TO 52+04.72	RT	196.18	-	-	-								196.18							
52+04.72 TO 53+95.00	LT & RT	190.28	31.77	6045.20	-			23.32				32.65								
52+04.72 TO 53+95.00	LT & RT	190.28	37.77	7186.88	-															
52+04.72 TO 53+95.00	LT	190.28	-	-	-								190.28							
52+04.72 TO 53+95.00	RT	190.28	-	-	-								190.28							
MAIN ST.																				
131+00.00 TO 131+42.00	LT & RT	42.00	24.00	1008.00	-			3.89				5.44								
131+00.00 TO 131+42.00	LT & RT	42.00	31.00	1302.00	-															
131+00.00 TO 131+42.00	LT	41.44	-	-	-								41.44							
131+00.00 TO 131+42.00	RT	43.47	-	-	-															
131+42.00 TO 144+27.12	LT & RT	1285.12	24.00	30842.88	-			118.99				166.59			~~16~~					
131+42.00 TO 144+27.12	LT & RT	1285.12	32.00	41123.84	-															
131+42.00 TO 144+27.12	LT	1183.97	-	-	-								1183.97							
131+42.00 TO 144+27.12	RT	1285.12	-	-	-										~~16~~					
TOTALS CARRIED TO SHEET NO. 103								288.08				403.33	3165.52		0					

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	SIDE	LENGTH L	AVERAGE WIDTH W	AREA A = L x W	CADD AREA A	203 MASON (14) SUBGRADE COMPACTION A/9	203 UNINC. (WV) (14) SUBGRADE COMPACTION A/9	203 POMEROY (14) SUBGRADE COMPACTION A/9	254 MASON (22) PAVEMENT PLANING, BITUMINOUS (1 1/4") A/9	254 UNINC. WV (22) PAVEMENT PLANING, BITUMINOUS (1 1/4") A/9	254 POMEROY (22) PAVEMENT PLANING, BITUMINOUS (1 1/4") A/9	301 MASON (25) BITUMINOUS AGGREGATE BASE, PG64-22 (4") 4A/(12 x 27)	301 MASON (6) BITUMINOUS AGGREGATE BASE, PG64-22 (6") 6A/(12 x 27)	301 UNINC. (WV) (6) BITUMINOUS AGGREGATE BASE, PG64-22 (6") 6A/(12 x 27)	301 POMEROY (6) BITUMINOUS AGGREGATE BASE, PG64-22 (6") 6A/(12 x 27)	301 POMEROY (5) BITUMINOUS AGGREGATE BASE, PG64-22 (9") 9A/(12 x 27)	301 POMEROY (7) BITUMINOUS AGGREGATE BASE, PG64-22 (3") 3A/(12 x 27)	302 POMEROY (21) BITUMINOUS AGGREGATE BASE, PG64-22 (VAR.) 1.70A/27 (MAIN ST.)	304 MASON (9) AGGREGATE BASE (6") 6A/(12 x 27)	304 UNINC. (WV) (9) AGGREGATE BASE (6") 6A/(12 x 27)	304 POMEROY (9) AGGREGATE BASE (6") 6A/(12 x 27)
		FT	FT	SQ FT	SQ FT	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
1 MAIN ST. (Cont'd.)																					
144+27.12 TO 145+09.30	LT & RT	82.18	26.00	2136.88	-										39.57						
144+27.12 TO 145+09.30	LT & RT	82.18	34.00	2794.12	-			310.46													51.74
144+27.12 TO 145+09.30	LT	82.18	-	-	-																
144+27.12 TO 145+09.30	RT	82.18	-	-	-																
145+09.30 TO 145+52.24	LT & RT	42.94	29.60	1271.02	-										23.54						
145+09.30 TO 145+52.24	LT & RT	42.94	37.60	1614.54	-			179.39													29.90
145+09.30 TO 145+52.24	LT	42.94	-	-	-																
145+09.30 TO 145+52.24	RT	42.94	-	-	-																
145+52.24 TO 146+72.12	LT & RT	119.88	39.46	4730.46	-										87.60			~~17.24~~			
145+52.24 TO 146+72.12	LT & RT	119.88	47.46	5689.50	-			632.17													105.36
145+52.24 TO 146+72.12	LT	119.88	-	-	-																
145+52.24 TO 146+72.12	RT	119.88	-	-	-																
146+72.12 TO 146+82.12	LT & RT	10.00	47.86	478.60	-										8.86						
146+72.12 TO 146+82.12	LT & RT	10.00	55.86	558.60	-			62.07													10.34
146+72.12 TO 146+82.12	LT	10.00	-	-	-																
146+72.12 TO 146+82.12	RT	10.00	-	-	-																
																		~~332.48~~			
146+82.12 TO 147+74.97	LT & RT	92.85	48.00	4456.80	-										82.53						
146+82.12 TO 147+74.97	LT & RT	92.85	56.00	5199.60	-			577.73													96.29
146+82.12 TO 147+74.97	LT	92.85	-	-	-																
146+82.12 TO 147+74.97	RT	92.85	-	-	-																
147+74.97 TO 148+61.11	LT & RT	86.14	48.00	4134.72	-										76.57						
147+74.97 TO 148+61.11	LT & RT	86.14	56.00	4823.84	-			535.98													89.33
147+74.97 TO 148+61.11	LT	86.14	-	-	-																
147+74.97 TO 148+61.11	RT	86.14	-	-	-																
148+61.11 TO 149+25.72	LT & RT	-	-	-	5626.55										104.20						
148+61.11 TO 149+25.72	LT & RT	-	-	-	6798.78			755.42													125.90
148+61.11 TO 149+25.72	LT	45.82	-	-	-																
148+61.11 TO 149+25.72	RT	97.51	-	-	-																
ISLAND																					
47+51.47 TO 47+72.43	-	72.25	-	-	307.80										- 5.70						
WV 62																					
205+00.00 TO 205+23.93	LT & RT	-	-	-	491.66					54.63											
205+00.00 TO 205+24.87	LT	-	-	-	195.19																
205+00.00 TO 205+24.88	LT	-	-	-	197.67																
205+00.00 TO 205+24.90	LT	-	-	-	202.14									3.74							
205+00.00 TO 205+24.96	LT	-	-	-	214.09																
TOTALS CARRIED TO SHEET NO. 101								3053.22		54.63				3.74	417.17			0			508.86

CALCULATED JAG
CHECKED AM

PAVEMENT CALCULATIONS

MEG-33-15.70

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED JAG CHECKED AM

PAVEMENT CALCULATIONS

STATION TO STATION	SIDE	LENGTH L (FT.)	AVERAGE WIDTH W (FT.)	AREA A = L x W (SQ FT)	CADD AREA A (SQ FT)	SPECIAL MASON (31) MISC.: AGGREGATE BASE COURSE, CLASS I (WVDOH) (Var.) 1.980 x 0.58A/27 (TON)	SPECIAL MASON (32) MISC.: AGGREGATE BASE COURSE, CLASS I (WVDOH) (6") 6A/(12 x 27) (CU YD)	SPECIAL MASON (36) MISC.: AGGREGATE BASE COURSE, CLASS I (WVDOH) (4") 4A/(12 x 27) (CU YD)	SPECIAL UNINC. (WV) (36) MISC.: AGGREGATE BASE COURSE, CLASS I (WVDOH) (4") 4A/(12 x 27) (CU YD)	407 MASON (4) TACK COAT 0.075A/9 (GALLON)	407 UNINC. (WV) (4) TACK COAT 0.075A/9 (GALLON)	407 POMEROY (4) TACK COAT 0.075A/9 (GALLON)	407 MASON (2) TACK COAT FOR INTERMEDIATE COURSE 0.050A/9 (GALLON)	407 UNINC. (WV) (2) TACK COAT FOR INTERMEDIATE COURSE 0.050A/9 (GALLON)	407 POMEROY (2) TACK COAT FOR INTERMEDIATE COURSE 0.050A/9 (GALLON)	408 POMEROY (8) BITUMINOUS PRIME COAT 0.4A/9 (GALLON)	611 POMEROY (13) REINFORCED CONCRETE APPROACH SLAB (T=15") A/9 (SQ YD)	SPECIAL MASON (26) MISC.: 12" PORTLAND CEMENT CONCRETE APPROACH SLAB (WVDOH) A/9 (SQ YD)	830 POMEROY (17) COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN (LIN FT)
MAIN ST. (Cont'd.)																			
144+27.12 TO 145+09.30	LT & RT	82.18	26.00	2136.88	-							17.81			11.87	94.96			
144+27.12 TO 145+09.30	LT & RT	82.18	34.00	2794.12	-														
144+27.12 TO 145+09.30	LT	82.18	-	-	-														
144+27.12 TO 145+09.30	RT	82.18	-	-	-														82.18
145+09.30 TO 145+52.24	LT & RT	42.94	29.60	1271.02	-							10.59			7.06	56.49			
145+09.30 TO 145+52.24	LT & RT	42.94	37.60	1614.54	-														
145+09.30 TO 145+52.24	LT	42.94	-	-	-														
145+09.30 TO 145+52.24	RT	42.94	-	-	-														49.24
145+52.24 TO 146+72.12	LT & RT	119.88	39.46	4730.46	-							39.42			26.28	210.24			
145+52.24 TO 146+72.12	LT & RT	119.88	47.46	5689.50	-														
145+52.24 TO 146+72.12	LT	119.88	-	-	-														
145+52.24 TO 146+72.12	RT	119.88	-	-	-														119.88
146+72.12 TO 146+82.12	LT & RT	10.00	47.86	478.60	-							3.99			2.66	21.27			
146+72.12 TO 146+82.12	LT & RT	10.00	55.86	558.60	-														
146+72.12 TO 146+82.12	LT	10.00	-	-	-														
146+72.12 TO 146+82.12	RT	10.00	-	-	-														10.00
146+82.12 TO 147+74.97	LT & RT	92.85	48.00	4456.80	-							37.14			24.76	198.08			
146+82.12 TO 147+74.97	LT & RT	92.85	56.00	5199.60	-														
146+82.12 TO 147+74.97	LT	92.85	-	-	-														
146+82.12 TO 147+74.97	RT	92.85	-	-	-														92.85
147+74.97 TO 148+61.11	LT & RT	86.14	48.00	4134.72	-							34.46			22.97	183.77			
147+74.97 TO 148+61.11	LT & RT	86.14	56.00	4823.84	-														
147+74.97 TO 148+61.11	LT	86.14	-	-	-														
147+74.97 TO 148+61.11	RT	86.14	-	-	-														86.14
148+61.11 TO 149+25.72	LT & RT	-	-	-	5626.55							46.89			31.26	250.07			
148+61.11 TO 149+25.72	LT & RT	-	-	-	6798.78														
148+61.11 TO 149+25.72	LT	45.82	-	-	-														
148+61.11 TO 149+25.72	RT	97.51	-	-	-														97.51
ISLAND																			
47+51.47 TO 47+72.43	-	72.25	-	-	307.80							- 2.56			- 1.71				
WV 62																			
205+00.00 TO 205+23.93	LT & RT	-	-	-	491.66						4.10								
205+00.00 TO 205+24.87	LT	-	-	-	195.19									1.08					
205+00.00 TO 205+24.88	LT	-	-	-	197.67						1.65								
205+00.00 TO 205+24.90	LT	-	-	-	202.14														
205+00.00 TO 205+24.96	LT	-	-	-	214.09				2.64										
TOTALS CARRIED TO SHEET NO. 102									2.64		5.75	187.74		1.08	125.15	1014.88			537.80

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NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

	SIDE	LENGTH L	AVERAGE WIDTH W	AREA A = L x W	CADD AREA A	826 MASON (1) ASPHALT CONCRETE SURFACE COURSE, TYPE 1, FIBER B (1 1/4") 1.25A/(12 x 27)	826 UNINC. (WV) (1) ASPHALT CONCRETE SURFACE COURSE, TYPE 1, FIBER B (1 1/4") 1.25A/(12 x 27)	826 POMEROY (1) ASPHALT CONCRETE SURFACE COURSE, TYPE 1, FIBER B (1 1/4") 1.25A/(12 x 27)	826 MASON (3) ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, FIBER B (1 3/4") 1.75A/(12 x 27)	826 MASON (24) ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, FIBER B (2 1/4") 2.25A/(12 x 27)	826 UNINC. (WV) (24) ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, FIBER B (2 1/4") 2.25A/(12 x 27)	826 POMEROY (3) ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, FIBER B (1 3/4") 1.75A/(12 x 27)	830 POMEROY (17) COMBINATION CURB AND GUTTER, TYPE 2	SPECIAL MASON (23) MISC.: COMBINATION CONCRETE CURB AND GUTTER, TYPE I (WVDOH), AS PER PLAN	830 POMEROY (18) CURB, TYPE 6	SPECIAL MASON (30) MISC.: PLAIN CONCRETE CURBING, TYPE I (WVDOH)	SPECIAL MASON (27) MISC.: OPEN GRADED, FREE DRAINING BASE COURSE (WVDOH) 4A/(12 x 27)	SPECIAL MASON (34) MISC.: FABRIC FOR SEPARATION (WVDOH) A/9	SPECIAL UNINC. (WV) (34) MISC.: FABRIC FOR SEPARATION (WVDOH) A/9	SPECIAL MASON (10) MISC.: COMBINATION CONCRETE CURB AND GUTTER, TYPE IV (WVDOH), AS PER PLAN
		FT.	FT.	SQ FT	SQ FT	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	LIN FT	LIN FT	LIN FT	LIN FT	CU YD	SQ YD	SQ YD	LIN FT
1 MAIN ST. (Cont'd.)																				
144+27.12 TO 145+09.30	LT & RT	82.18	26.00	2136.88	-			8.24				11.54								
144+27.12 TO 145+09.30	LT & RT	82.18	34.00	2794.12	-															
144+27.12 TO 145+09.30	LT	82.18	-	-	-								82.18							
144+27.12 TO 145+09.30	RT	82.18	-	-	-										~~14~~					
145+09.30 TO 145+52.24	LT & RT	42.94	29.60	1271.02	-			4.90				6.87								
145+09.30 TO 145+52.24	LT & RT	42.94	37.60	1614.54	-															
145+09.30 TO 145+52.24	LT	42.94	-	-	-								42.94							
145+09.30 TO 145+52.24	RT	42.94	-	-	-															
															~~11~~					
145+52.24 TO 146+72.12	LT & RT	119.88	39.46	4730.46	-			18.25				25.55								
145+52.24 TO 146+72.12	LT & RT	119.88	47.46	5689.50	-															
145+52.24 TO 146+72.12	LT	119.88	-	-	-								119.88							
145+52.24 TO 146+72.12	RT	119.88	-	-	-															
146+72.12 TO 146+82.12	LT & RT	10.00	47.86	478.60	-			1.85				2.59								
146+72.12 TO 146+82.12	LT & RT	10.00	55.86	558.60	-															
146+72.12 TO 146+82.12	LT	10.00	-	-	-								10.00							
146+72.12 TO 146+82.12	RT	10.00	-	-	-															
146+82.12 TO 147+74.97	LT & RT	92.85	48.00	4456.80	-			17.19				24.07								
146+82.12 TO 147+74.97	LT & RT	92.85	56.00	5199.60	-															
146+82.12 TO 147+74.97	LT	92.85	-	-	-								92.85							
146+82.12 TO 147+74.97	RT	92.85	-	-	-															
147+74.97 TO 148+61.11	LT & RT	86.14	48.00	4134.72	-			15.95				22.33								
147+74.97 TO 148+61.11	LT & RT	86.14	56.00	4823.84	-															
147+74.97 TO 148+61.11	LT	86.14	-	-	-								86.14							
147+74.97 TO 148+61.11	RT	86.14	-	-	-															
148+61.11 TO 149+25.72	LT & RT	-	-	-	5626.55			21.71				30.39								
148+61.11 TO 149+25.72	LT & RT	-	-	-	6798.78															
148+61.11 TO 149+25.72	LT	45.82	-	-	-								45.82							
148+61.11 TO 149+25.72	RT	97.51	-	-	-															
ISLAND																				
47+51.47 TO 47+72.43	-	72.25	-	-	307.80			- 1.19				- 1.66			72.25					
WV 62																				
205+00.00 TO 205+23.93	LT & RT	-	-	-	491.66		1.90													
205+00.00 TO 205+24.87	LT	-	-	-	195.19		0.75													
205+00.00 TO 205+24.88	LT	-	-	-	197.67						1.37									
205+00.00 TO 205+24.90	LT	-	-	-	202.14															
205+00.00 TO 205+24.96	LT	-	-	-	214.09														23.79	
TOTALS CARRIED TO SHEET NO. 103							2.65	86.90			1.37	121.68	479.81		72.25				23.79	

CALCULATED JAG
CHECKED AM

PAVEMENT CALCULATIONS

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STATION TO STATION	SIDE	LENGTH L	AVERAGE WIDTH W	AREA A = L x W	CADD AREA A	203 MASON (14) SUBGRADE COMPACTION A/9	203 UNINC. (WV) (14) SUBGRADE COMPACTION A/9	203 POMEROY (14) SUBGRADE COMPACTION A/9	254 MASON (22) PAVEMENT PLANING, BITUMINOUS (1¼") A/9	254 UNINC. WV (22) PAVEMENT PLANING, BITUMINOUS (1¼") A/9	254 POMEROY (22) PAVEMENT PLANING, BITUMINOUS (1¼") A/9	301 MASON (25) BITUMINOUS AGGREGATE BASE, PG64-22 (4") 4A/(12 x 27)	301 MASON (6) BITUMINOUS AGGREGATE BASE, PG64-22 (6") 6A/(12 x 27)	301 UNINC. (WV) (6) BITUMINOUS AGGREGATE BASE, PG64-22 (6") 6A/(12 x 27)	301 POMEROY (6) BITUMINOUS AGGREGATE BASE, PG64-22 (6") 6A/(12 x 27)	301 POMEROY (5) BITUMINOUS AGGREGATE BASE, PG64-22 (9") 9A/(12 x 27)	301 POMEROY (7) BITUMINOUS AGGREGATE BASE, PG64-22 (3") 3A/(12 x 27)	302 POMEROY (21) BITUMINOUS AGGREGATE BASE, PG64-22 (VAR.)	304 MASON (9) AGGREGATE BASE (6") 6A/(12 x 27)	304 UNINC. (WV) (9) AGGREGATE BASE (6") 6A/(12 x 27)	304 POMEROY (9) AGGREGATE BASE (6") 6A/(12 x 27)
		FT	FT	SQ FT	SQ FT	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
WV 62 (Cont'd.)																					
205+00.00 TO 205+24.99	LT	-	-	-	222.07		24.67													4.11	
205+00.00 TO 205+21.34	RT	-	-	-	166.99																
205+00.00 TO 205+21.34	RT	-	-	-	169.02																
205+00.00 TO 205+21.34	RT	-	-	-	172.69									3.20							
205+00.00 TO 205+21.34	RT	-	-	-	182.44																
205+00.00 TO 205+21.34	RT	-	-	-	188.93		20.99													3.50	
205+21.34 TO 205+32.82	LT & RT	-	-	-	229.08				25.45												
205+23.93 TO 205+32.11	LT	-	-	-	29.67																
205+23.93 TO 205+32.21	LT	-	-	-	30.40																
205+23.93 TO 205+32.39	LT	-	-	-	31.74								0.59								
205+23.93 TO 205+32.87	LT	-	-	-	35.45																
205+23.93 TO 205+33.18	LT	-	-	-	38.03	4.23													0.70		
205+20.41 TO 205+32.82	RT	-	-	-	95.58																
205+20.40 TO 205+32.82	RT	-	-	-	96.82																
205+20.38 TO 205+32.82	RT	-	-	-	99.05								1.83								
205+20.32 TO 205+32.82	RT	-	-	-	105.03																
205+20.28 TO 205+32.82	RT	-	-	-	109.03	12.11													2.02		
205+32.82 TO 208+75.00	LT & RT	-	-	-	9509.70				1056.63												
205+32.82 TO 208+75.00	RT	-	-	-	2164.19	240.47							40.08						40.08		
205+77.10 TO 208+75.00	LT	-	-	-	2350.76																
205+77.00 TO 208+75.00	LT	-	-	-	2380.48																
205+76.82 TO 208+75.00	LT	-	-	-	2434.07								45.08								
205+76.34 TO 208+75.00	LT	-	-	-	2577.04																
205+76.02 TO 208+75.00	LT	-	-	-	2672.49	296.94													49.49		
205+32.82 TO 207+52.85	RT	-	-	-	1721.08																
205+32.82 TO 207+52.94	RT	-	-	-	1743.09																
205+32.82 TO 207+53.09	RT	-	-	-	1782.77								33.01								
205+32.82 TO 207+53.48	RT	-	-	-	1888.65																
205+32.82 TO 207+53.73	RT	-	-	-	1959.35	217.71													36.28		
207+88.32 TO 208+75.00	RT	-	-	-	647.61																
207+88.22 TO 208+75.00	RT	-	-	-	656.29																
207+88.04 TO 208+75.00	RT	-	-	-	671.94								12.44								
207+87.59 TO 208+75.00	RT	-	-	-	713.81																
207+87.30 TO 208+75.00	RT	-	-	-	741.85	82.43													13.74		
208+75.00 TO 210+94.04	LT & RT	219.04	68.70	15048.05	-																
208+75.00 TO 210+94.04	LT & RT	219.04	68.90	15091.86	-																
208+75.00 TO 210+94.04	LT & RT	219.04	69.26	15170.71	-								280.94								
208+75.00 TO 210+94.04	LT & RT	219.04	66.22	14504.83	-	1611.65													268.61		
210+94.04 TO 211+97.18	LT & RT	103.14	76.00	7838.64	-																
210+94.04 TO 211+97.18	LT & RT	103.14	76.20	7859.27	-																
210+94.04 TO 211+97.18	LT & RT	103.14	76.56	7896.40	-								146.23								
210+94.04 TO 211+97.18	LT & RT	103.14	73.52	7582.85	-	842.54													140.42		
211+97.18 TO 212+18.19	LT & RT	21.01	68.00	1428.68	-																
211+97.18 TO 212+18.19	LT & RT	21.01	68.10	1430.78	-																
211+97.18 TO 212+18.19	LT & RT	21.01	68.28	1434.56	-								26.57								
211+97.18 TO 212+18.19	LT & RT	21.01	66.76	1402.63	-	155.85													25.97		
212+18.19 TO 213+00.00	LT & RT	81.81	48.00	3926.88	-	436.32							72.72						72.72		
TOTALS CARRIED TO SHEET NO. 101						3900.25	45.66		1082.08				659.49	3.20					650.03	7.61	

CALCULATED JAG CHECKED AM

PAVEMENT CALCULATIONS

MEG-33-15.70

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STATION TO STATION	SIDE	LENGTH L	AVERAGE WIDTH W	AREA A = L x W	CADD AREA A	SPECIAL MASON (31)	SPECIAL MASON (32)	SPECIAL MASON (36)	SPECIAL UNINC. (WV) (36)	407 MASON (4)	407 UNINC. (WV) (4)	407 POMEROY (4)	407 MASON (2)	407 UNINC. (WV) (2)	407 POMEROY (2)	408 POMEROY (8)	611 POMEROY (13)	SPECIAL MASON (26)		
						MISC.: AGGREGATE BASE COURSE, CLASS I (WVDOH) (Var.) 1.980 x 0.58A/27	MISC.: AGGREGATE BASE COURSE, CLASS I (WVDOH) (6") 6A/(12 x 27)	MISC.: AGGREGATE BASE COURSE, CLASS I (WVDOH) (4") 4A/(12 x 27)	MISC.: AGGREGATE BASE COURSE, CLASS I (WVDOH) (4") 4A/(12 x 27)	TACK COAT 0.075A/9	TACK COAT 0.075A/9	TACK COAT 0.075A/9	TACK COAT FOR INTERMEDIATE COURSE 0.050A/9	TACK COAT FOR INTERMEDIATE COURSE 0.050A/9	TACK COAT FOR INTERMEDIATE COURSE 0.050A/9	BITUMINOUS PRIME COAT 0.4A/9	REINFORCED CONCRETE APPROACH SLAB (T=15") A/9	MISC.: 12" PORTLAND CEMENT CONCRETE APPROACH SLAB (WVDOH) A/9		
		FT.	FT.	SQ FT	SQ FT	TON	CU YD	CU YD	CU YD	GALLON	GALLON	GALLON	GALLON	GALLON	GALLON	GALLON	SQ YD	SQ YD		
WV 62 (Cont'd.)																				
205+00.00 TO 205+24.99	LT	-	-	-	222.07															
205+00.00 TO 205+21.34	RT	-	-	-	166.99									0.93						
205+00.00 TO 205+21.34	RT	-	-	-	169.02						1.41									
205+00.00 TO 205+21.34	RT	-	-	-	172.69															
205+00.00 TO 205+21.34	RT	-	-	-	182.44				2.25											
205+00.00 TO 205+21.34	RT	-	-	-	188.93															
205+21.34 TO 205+32.82	LT & RT	-	-	-	229.08					1.91										
205+23.93 TO 205+32.11	LT	-	-	-	29.67								0.16							
205+23.93 TO 205+32.21	LT	-	-	-	30.40					0.25										
205+23.93 TO 205+32.39	LT	-	-	-	31.74															
205+23.93 TO 205+32.87	LT	-	-	-	35.45			0.44												
205+23.93 TO 205+33.18	LT	-	-	-	38.03															
205+20.41 TO 205+32.82	RT	-	-	-	95.58								0.53							
205+20.40 TO 205+32.82	RT	-	-	-	96.82					0.81										
205+20.38 TO 205+32.82	RT	-	-	-	99.05															
205+20.32 TO 205+32.82	RT	-	-	-	105.03			1.30												
205+20.28 TO 205+32.82	RT	-	-	-	109.03															
205+32.82 TO 208+75.00	LT & RT	-	-	-	9509.70					79.25										
205+32.82 TO 208+75.00	RT	-	-	-	2164.19			26.72		18.03			12.02							
205+77.10 TO 208+75.00	LT	-	-	-	2350.76								13.06							
205+77.00 TO 208+75.00	LT	-	-	-	2380.48					19.84										
205+76.82 TO 208+75.00	LT	-	-	-	2434.07															
205+76.34 TO 208+75.00	LT	-	-	-	2577.04			31.82												
205+76.02 TO 208+75.00	LT	-	-	-	2672.49															
205+32.82 TO 207+52.85	RT	-	-	-	1721.08								9.56							
205+32.82 TO 207+52.94	RT	-	-	-	1743.09					14.53										
205+32.82 TO 207+53.09	RT	-	-	-	1782.77															
205+32.82 TO 207+53.48	RT	-	-	-	1888.65			23.32												
205+32.82 TO 207+53.73	RT	-	-	-	1959.35															
207+88.32 TO 208+75.00	RT	-	-	-	647.61								3.60							
207+88.22 TO 208+75.00	RT	-	-	-	656.29					5.47										
207+88.04 TO 208+75.00	RT	-	-	-	671.94															
207+87.59 TO 208+75.00	RT	-	-	-	713.81			8.81												
207+87.30 TO 208+75.00	RT	-	-	-	741.85															
208+75.00 TO 210+94.04	LT & RT	219.04	68.70	15048.05	-								83.60							
208+75.00 TO 210+94.04	LT & RT	219.04	68.90	15091.86	-					125.77										
208+75.00 TO 210+94.04	LT & RT	219.04	69.26	15170.71	-															
208+75.00 TO 210+94.04	LT & RT	219.04	66.22	14504.83	-															
210+94.04 TO 211+97.18	LT & RT	103.14	76.00	7838.64	-								43.55							
210+94.04 TO 211+97.18	LT & RT	103.14	76.20	7859.27	-					65.49										
210+94.04 TO 211+97.18	LT & RT	103.14	76.56	7896.40	-															
210+94.04 TO 211+97.18	LT & RT	103.14	73.52	7582.85	-															
211+97.18 TO 212+18.19	LT & RT	21.01	68.00	1428.68	-								7.94							
211+97.18 TO 212+18.19	LT & RT	21.01	68.10	1430.78	-					11.92										
211+97.18 TO 212+18.19	LT & RT	21.01	68.28	1434.56	-															
211+97.18 TO 212+18.19	LT & RT	21.01	66.76	1402.63	-															
212+18.19 TO 213+00.00	LT & RT	81.81	48.00	3926.88	-					32.72			21.82							
TOTALS CARRIED TO SHEET NO. 102								92.41	2.25	375.99	1.41		195.84	0.93						

CALCULATED JAG
CHECKED AM

PAVEMENT CALCULATIONS

MEG-33-15.70

J:\Project\O\ODOT\14944862 POM-MAS\Roadway\14944862\Roadway\cincinnati\GC014.DGN - 1/11/2011 4:19:32 PM - jon_wanstrath

STATION TO STATION	SIDE	LENGTH L	AVERAGE WIDTH W	AREA A = L x W	CADD AREA A	826	826	826	826	826	826	826	830	SPECIAL	830	SPECIAL	SPECIAL	SPECIAL	SPECIAL	SPECIAL
				AREA		MASON	UNINC. (WV)	POMEROY	MASON	MASON	UNINC. (WV)	POMEROY	POMEROY	MASON	POMEROY	MASON	MASON	MASON	UNINC. (WV)	MASON
						1	1	1	3	24	24	3	17	23	18	30	27	34	34	10
						ASPHALT CONCRETE SURFACE COURSE, TYPE 1, FIBER B (1¼") 1.25A/(12 x 27)	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, FIBER B (1¼") 1.25A/(12 x 27)	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, FIBER B (1¼") 1.25A/(12 x 27)	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, FIBER B (1¾") 1.75A/(12 x 27)	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, FIBER B (2¼") 2.25A/(12 x 27)	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, FIBER B (2¼") 2.25A/(12 x 27)	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, FIBER B (1¾") 1.75A/(12 x 27)	COMBINATION CURB AND GUTTER, TYPE 2	MISC.: COMBINATION CONCRETE CURB AND GUTTER, TYPE I (WVDOH), AS PER PLAN	CURB, TYPE 6	MISC.: PLAIN CONCRETE CURBING, TYPE I (WVDOH)	MISC.: OPEN GRADED, FREE DRAINING BASE COURSE (WVDOH) 4A/(12 x 27)	MISC.: FABRIC FOR SEPARATION (WVDOH) A/9	MISC.: FABRIC FOR SEPARATION (WVDOH) A/9	MISC.: COMBINATION CONCRETE CURB AND GUTTER, TYPE IV (WVDOH), AS PER PLAN
		FT.	FT.	SQ FT	SQ FT	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	LIN FT	LIN FT	LIN FT	LIN FT	CU YD	SQ YD	SQ YD	LIN FT
WV 62 (Cont'd.)																				
205+00.00 TO 205+24.99	LT	-	-	-	222.07															
205+00.00 TO 205+21.34	RT	-	-	-	166.99		0.64													
205+00.00 TO 205+21.34	RT	-	-	-	169.02						1.17									
205+00.00 TO 205+21.34	RT	-	-	-	172.69															
205+00.00 TO 205+21.34	RT	-	-	-	182.44														20.27	
205+00.00 TO 205+21.34	RT	-	-	-	188.93															
205+21.34 TO 205+32.82	LT & RT	-	-	-	229.08	0.88														
205+23.93 TO 205+32.11	LT	-	-	-	29.67	0.11														
205+23.93 TO 205+32.21	LT	-	-	-	30.40					0.21										
205+23.93 TO 205+32.39	LT	-	-	-	31.74															
205+23.93 TO 205+32.87	LT	-	-	-	35.45													3.94		
205+23.93 TO 205+33.18	LT	-	-	-	38.03															
205+20.41 TO 205+32.82	RT	-	-	-	95.58	0.37														
205+20.40 TO 205+32.82	RT	-	-	-	96.82					0.67										
205+20.38 TO 205+32.82	RT	-	-	-	99.05															
205+20.32 TO 205+32.82	RT	-	-	-	105.03													11.67		
205+20.28 TO 205+32.82	RT	-	-	-	109.03															
205+32.82 TO 208+75.00	LT & RT	-	-	-	9509.70	36.69														
205+32.82 TO 208+75.00	RT	-	-	-	2164.19	8.35				15.03								240.47		
205+77.10 TO 208+75.00	LT	-	-	-	2350.76	9.07														
205+77.00 TO 208+75.00	LT	-	-	-	2380.48					16.53										
205+76.82 TO 208+75.00	LT	-	-	-	2434.07															
205+76.34 TO 208+75.00	LT	-	-	-	2577.04													286.34		
205+76.02 TO 208+75.00	LT	-	-	-	2672.49															
205+32.82 TO 207+52.85	RT	-	-	-	1721.08	6.64														
205+32.82 TO 207+52.94	RT	-	-	-	1743.09					12.10										
205+32.82 TO 207+53.09	RT	-	-	-	1782.77															
205+32.82 TO 207+53.48	RT	-	-	-	1888.65													209.85		
205+32.82 TO 207+53.73	RT	-	-	-	1959.35															
207+88.32 TO 208+75.00	RT	-	-	-	647.61	2.50														
207+88.22 TO 208+75.00	RT	-	-	-	656.29					4.56										
207+88.04 TO 208+75.00	RT	-	-	-	671.94															
207+87.59 TO 208+75.00	RT	-	-	-	713.81													79.31		
207+87.30 TO 208+75.00	RT	-	-	-	741.85															
208+75.00 TO 210+94.04	LT & RT	219.04	68.70	15048.05	-	58.06														
208+75.00 TO 210+94.04	LT & RT	219.04	68.90	15091.86	-					104.80										
208+75.00 TO 210+94.04	LT & RT	219.04	69.26	15170.71	-															
208+75.00 TO 210+94.04	LT & RT	219.04	66.22	14504.83	-												179.07	1611.65		
210+94.04 TO 211+97.18	LT & RT	103.14	76.00	7838.64	-	30.24														
210+94.04 TO 211+97.18	LT & RT	103.14	76.20	7859.27	-					54.58										
210+94.04 TO 211+97.18	LT & RT	103.14	76.56	7896.40	-															
210+94.04 TO 211+97.18	LT & RT	103.14	73.52	7582.85	-												93.62	842.54		
211+97.18 TO 212+18.19	LT & RT	21.01	68.00	1428.68	-	5.51														
211+97.18 TO 212+18.19	LT & RT	21.01	68.10	1430.78	-					9.94										
211+97.18 TO 212+18.19	LT & RT	21.01	68.28	1434.56	-															
211+97.18 TO 212+18.19	LT & RT	21.01	66.76	1402.63	-												17.32	155.85		
212+18.19 TO 213+00.00	LT & RT	81.81	48.00	3926.88	-	15.15				27.27							48.48	436.32		
TOTALS CARRIED TO SHEET NO. 103						173.57	0.64			245.69	1.17						338.49	3877.94	20.27	

CALCULATED JAG
CHECKED AM

PAVEMENT CALCULATIONS

MEG-33-15.70

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC
2	SALVAGE PUMP STATION	1/06	SCC

STATION TO STATION	SIDE	LENGTH L (FT)	AVERAGE WIDTH W (FT)	AREA A = L x W (SQ FT)	CADD AREA A (SQ FT)	203 MASON (14) SUBGRADE COMPACTION A/9 (SQ YD)	203 UNINC. (WV) (14) SUBGRADE COMPACTION A/9 (SQ YD)	203 POMEROY (14) SUBGRADE COMPACTION A/9 (SQ YD)	254 MASON (22) PAVEMENT PLANING, BITUMINOUS (1 1/4") A/9 (SQ YD)	254 UNINC. WV (22) PAVEMENT PLANING, BITUMINOUS (1 1/4") A/9 (SQ YD)	254 POMEROY (22) PAVEMENT PLANING, BITUMINOUS (1 1/4") A/9 (SQ YD)	301 MASON (25) BITUMINOUS AGGREGATE BASE, PG64-22 (4") 4A/(12 x 27) (CU YD)	301 MASON (6) BITUMINOUS AGGREGATE BASE, PG64-22 (6") 6A/(12 x 27) (CU YD)	301 UNINC. (WV) (6) BITUMINOUS AGGREGATE BASE, PG64-22 (6") 6A/(12 x 27) (CU YD)	301 POMEROY (6) BITUMINOUS AGGREGATE BASE, PG64-22 (6") 6A/(12 x 27) (CU YD)	301 POMEROY (5) BITUMINOUS AGGREGATE BASE, PG64-22 (9") 9A/(12 x 27) (CU YD)	301 POMEROY (7) BITUMINOUS AGGREGATE BASE, PG64-22 (3") 3A/(12 x 27) (CU YD)	302 POMEROY (21) BITUMINOUS AGGREGATE BASE, PG64-22 (VAR.) (CU YD)	304 MASON (9) AGGREGATE BASE (6") 6A/(12 x 27) (CU YD)	304 UNINC. (WV) (9) AGGREGATE BASE (6") 6A/(12 x 27) (CU YD)	304 POMEROY (9) AGGREGATE BASE (6") 6A/(12 x 27) (CU YD)
WV 62 (Cont'd.)																					
213+00.00 TO 213+96.41	LT & RT	96.41	48.00	4627.68	-	514.19							85.70						85.70		
213+96.41 TO 214+16.81	LT & RT	20.40	48.00	979.20	-								18.13								
213+96.41 TO 214+16.81	LT & RT	20.40	48.61	991.64	-	110.18													18.36		
213+96.41 TO 214+16.81	LT	20.40	-	-	-																
214+16.81 TO 216+00.00	LT & RT	183.19	48.00	8793.12	-								162.84								
214+16.81 TO 216+00.00	LT & RT	183.19	49.23	9018.44	-	1002.05													167.01		
214+16.81 TO 216+00.00	LT	183.19	-	-	-																
214+16.81 TO 216+00.00	RT	183.19	-	-	-																
216+00.00 TO 216+96.00	LT & RT	96.00	44.80	4300.80	-								79.64								
216+00.00 TO 216+96.00	LT & RT	96.00	46.03	4418.88	-	490.99													81.83		
216+00.00 TO 216+96.00	LT	96.00	-	-	-																
216+00.00 TO 216+96.00	RT	96.21	-	-	-																
216+96.00 TO 217+00.00	LT & RT	4.00	41.39	165.56	-								3.07								
216+96.00 TO 217+00.00	LT & RT	4.00	42.62	170.48	-	18.94													3.16		
216+96.00 TO 217+00.00	LT	4.00	-	-	-																
216+96.00 TO 217+00.00	RT	4.01	-	-	-																
LIBERTY LANE																					
9+40.00 TO 9+79.75	LT & RT	-	-	-	976.67												9.04				18.09
9+40.00 TO 9+79.75	LT & RT	-	-	-	1493.57			165.95													
8+83.91 TO 9+79.75	LT	105.59	-	-	-																
9+24.03 TO 9+79.75	RT	66.71	-	-	-																
WEST MAIN ST. AND FLOOD RUN ST.																					
10+22.81 TO 11+45.00	LT & RT	-	-	-	5165.93																
10+22.81 TO 11+45.00	LT & RT	-	-	-	5233.04												48.45				
10+22.81 TO 11+45.00	LT & RT	-	-	-	5334.06			592.67													98.78
11+45.00 TO 13+43.93	LT & RT	-	-	-	5125.94						569.55										
TOTALS CARRIED TO SHEET NO. 101						2136.35		758.62			569.55		349.38				57.49		356.06		116.87

CALCULATED JAG
CHECKED AM

PAVEMENT CALCULATIONS

MEG-33-15.70

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC
2	SALVAGE PUMP STATION	1/06	SCC

STATION TO STATION	SIDE	LENGTH L	AVERAGE WIDTH W	AREA A = L x W	CADD AREA A	SPECIAL MASON (31) MISC.: AGGREGATE BASE COURSE, CLASS I (WVDOH) (Var.) 1.980 x 0.58A/27	SPECIAL MASON (32) MISC.: AGGREGATE BASE COURSE, CLASS I (WVDOH) (6") 6A/(12 x 27)	SPECIAL MASON (36) MISC.: AGGREGATE BASE COURSE, CLASS I (WVDOH) (4") 4A/(12 x 27)	SPECIAL UNINC. (WV) (36) MISC.: AGGREGATE BASE COURSE, CLASS I (WVDOH) (4") 4A/(12 x 27)	407 MASON (4) TACK COAT 0.075A/9	407 UNINC. (WV) (4) TACK COAT 0.075A/9	407 POMEROY (4) TACK COAT 0.075A/9	407 MASON (2) TACK COAT FOR INTERMEDIATE COURSE 0.050A/9	407 UNINC. (WV) (2) TACK COAT FOR INTERMEDIATE COURSE 0.050A/9	407 POMEROY (2) TACK COAT FOR INTERMEDIATE COURSE 0.050A/9	408 POMEROY (8) BITUMINOUS PRIME COAT 0.4A/9	611 POMEROY (13) REINFORCED CONCRETE APPROACH SLAB (T=15") A/9	SPECIAL MASON (26) MISC.: 12" PORTLAND CEMENT CONCRETE APPROACH SLAB (WVDOH) A/9	830 POMEROY (17) COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN
		FT.	FT.	SQ FT	SQ FT	TON	CU YD	CU YD	CU YD	GALLON	GALLON	GALLON	GALLON	GALLON	GALLON	GALLON	SQ YD	SQ YD	LIN FT
WV 62 (Cont'd.)																			
213+00.00 TO 213+96.41	LT & RT	96.41	48.00	4627.68	-					38.56			25.71						
213+96.41 TO 214+16.81	LT & RT	20.40	48.00	979.20	-					8.16			5.44						
213+96.41 TO 214+16.81	LT & RT	20.40	48.61	991.64	-														
213+96.41 TO 214+16.81	LT	20.40	-	-	-														
214+16.81 TO 216+00.00	LT & RT	183.19	48.00	8793.12	-					73.28			48.85						
214+16.81 TO 216+00.00	LT & RT	183.19	49.23	9018.44	-														
214+16.81 TO 216+00.00	LT	183.19	-	-	-														
214+16.81 TO 216+00.00	RT	183.19	-	-	-														
216+00.00 TO 216+96.00	LT & RT	96.00	44.80	4300.80	-					35.84			23.89						
216+00.00 TO 216+96.00	LT & RT	96.00	46.03	4418.88	-														
216+00.00 TO 216+96.00	LT	96.00	-	-	-														
216+00.00 TO 216+96.00	RT	96.21	-	-	-														
216+96.00 TO 217+00.00	LT & RT	4.00	41.39	165.56	-					1.38			0.92						
216+96.00 TO 217+00.00	LT & RT	4.00	42.62	170.48	-														
216+96.00 TO 217+00.00	LT	4.00	-	-	-														
216+96.00 TO 217+00.00	RT	4.01	-	-	-														
LIBERTY LANE																			
9+40.00 TO 9+79.75	LT & RT	-	-	-	976.67							8.14			5.43	43.41			
9+40.00 TO 9+79.75	LT & RT	-	-	-	1493.57														
8+83.91 TO 9+79.75	LT	105.59	-	-	-														
9+24.03 TO 9+79.75	RT	66.71	-	-	-														
WEST MAIN ST. AND FLOOD RUN ST.																			
10+22.81 TO 11+45.00	LT & RT	-	-	-	5165.93							43.05			28.70				
10+22.81 TO 11+45.00	LT & RT	-	-	-	5233.04											232.58			
10+22.81 TO 11+45.00	LT & RT	-	-	-	5334.06														
11+45.00 TO 13+43.93	LT & RT	-	-	-	5125.94							42.72							
TOTALS CARRIED TO SHEET NO. 102										157.22		93.91	104.81		34.13	275.99			

CALCULATED JAG CHECKED AM

PAVEMENT CALCULATIONS

MEG-33-15.70

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC
2	SALVAGE PUMP STATION	1/06	SCC

STATION TO STATION	SIDE	LENGTH L	AVERAGE WIDTH W	AREA A = L x W	CADD AREA A	826 MASON (1) ASPHALT CONCRETE SURFACE COURSE, TYPE 1, FIBER B (1¼") 1.25A/(12 x 27)	826 UNINC. (WV) (1) ASPHALT CONCRETE SURFACE COURSE, TYPE 1, FIBER B (1¼") 1.25A/(12 x 27)	826 POMEROY (1) ASPHALT CONCRETE SURFACE COURSE, TYPE 1, FIBER B (1¼") 1.25A/(12 x 27)	826 MASON (3) ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, FIBER B (1¾") 1.75A/(12 x 27)	826 MASON (24) ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, FIBER B (2¼") 2.25A/(12 x 27)	826 UNINC. (WV) (24) ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, FIBER B (2¼") 2.25A/(12 x 27)	826 POMEROY (3) ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, FIBER B (1¾") 1.75A/(12 x 27)	830 POMEROY (17) COMBINATION CURB AND GUTTER, TYPE 2	SPECIAL MASON (23) MISC.: COMBINATION CONCRETE CURB AND GUTTER, TYPE I (WVDOH), AS PER PLAN	830 POMEROY (18) CURB, TYPE 6	SPECIAL MASON (30) MISC.: PLAIN CONCRETE CURBING, TYPE I (WVDOH)	SPECIAL MASON (27) MISC.: OPEN GRADED, FREE DRAINING BASE COURSE (WVDOH) 4A/(12 x 27)	SPECIAL MASON (34) MISC.: FABRIC FOR SEPARATION (WVDOH) A/9	SPECIAL UNINC. (WV) (34) MISC.: FABRIC FOR SEPARATION (WVDOH) A/9	SPECIAL MASON (10) MISC.: COMBINATION CONCRETE CURB AND GUTTER, TYPE IV (WVDOH), AS PER PLAN
		FT.	FT.	SQ FT	SQ FT	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	LIN FT	LIN FT	LIN FT	LIN FT	CU YD	SQ YD	SQ YD	LIN FT
WV 62 (Cont'd.)																				
213+00.00 TO 213+96.41	LT & RT	96.41	48.00	4627.68	-	17.85				32.14							57.13	514.19		
213+96.41 TO 214+16.81	LT & RT	20.40	48.00	979.20	-	3.78				6.80										
213+96.41 TO 214+16.81	LT & RT	20.40	48.61	991.64	-												12.24	110.18		
213+96.41 TO 214+16.81	LT	20.40	-	-	-									20						
214+16.81 TO 216+00.00	LT & RT	183.19	48.00	8793.12	-	33.92				61.06										
214+16.81 TO 216+00.00	LT & RT	183.19	49.23	9018.44	-												111.34	1002.05		
214+16.81 TO 216+00.00	LT	183.19	-	-	-									158						25
214+16.81 TO 216+00.00	RT	183.19	-	-	-									183						
216+00.00 TO 216+96.00	LT & RT	96.00	44.80	4300.80	-	16.59				29.87										
216+00.00 TO 216+96.00	LT & RT	96.00	46.03	4418.88	-												54.55	490.99		
216+00.00 TO 216+96.00	LT	96.00	-	-	-									62						34
216+00.00 TO 216+96.00	RT	96.21	-	-	-									96						
216+96.00 TO 217+00.00	LT & RT	4.00	41.39	165.56	-	0.64				1.15										
216+96.00 TO 217+00.00	LT & RT	4.00	42.62	170.48	-												2.10	18.94		
216+96.00 TO 217+00.00	LT	4.00	-	-	-															4
216+96.00 TO 217+00.00	RT	4.01	-	-	-									4						
1 LIBERTY LANE																				
9+40.00 TO 9+79.75	LT & RT	-	-	-	976.67			3.77				5.28								
9+40.00 TO 9+79.75	LT & RT	-	-	-	1493.57															
8+83.91 TO 9+79.75	LT	105.59	-	-	-								105.59							
9+24.03 TO 9+79.75	RT	66.71	-	-	-								66.71							
WEST MAIN ST. AND FLOOD RUN ST.						2		2				2								
10+22.81 TO 11+45.00	LT & RT	-	-	-	5165.93			19.93				27.90								
10+22.81 TO 11+45.00	LT & RT	-	-	-	5233.04															
10+22.81 TO 11+45.00	LT & RT	-	-	-	5334.06															
11+45.00 TO 13+43.93	LT & RT	-	-	-	5125.94			19.78												
								2				2								
TOTALS CARRIED TO SHEET NO. 103						72.78		43.48		131.02		33.18	172.3	523			237.36	2136.35		63

CALCULATED JAG
CHECKED AM

PAVEMENT CALCULATIONS

MEG-33-15.70

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC
2	SALVAGE PUMP STATION	1/06	SCC

CALCULATED JAG CHECKED AM

PAVEMENT CALCULATIONS

STATION TO STATION	SIDE	LENGTH L	AVERAGE WIDTH W	AREA A = L x W	CADD AREA A	203 MASON (14) SUBGRADE COMPACTION A/9	203 UNINC. (WV) (14) SUBGRADE COMPACTION A/9	203 POMEROY (14) SUBGRADE COMPACTION A/9	254 MASON (22) PAVEMENT PLANING, BITUMINOUS (1 1/4") A/9	254 UNINC. WV (22) PAVEMENT PLANING, BITUMINOUS (1 1/4") A/9	254 POMEROY (22) PAVEMENT PLANING, BITUMINOUS (1 1/4") A/9	301 MASON (25) BITUMINOUS AGGREGATE BASE, PG64-22 (4") 4A/(12 x 27)	301 MASON (6) BITUMINOUS AGGREGATE BASE, PG64-22 (6") 6A/(12 x 27)	301 UNINC. (WV) (6) BITUMINOUS AGGREGATE BASE, PG64-22 (6") 6A/(12 x 27)	301 POMEROY (6) BITUMINOUS AGGREGATE BASE, PG64-22 (6") 6A/(12 x 27)	301 POMEROY (5) BITUMINOUS AGGREGATE BASE, PG64-22 (9") 9A/(12 x 27)	301 POMEROY (7) BITUMINOUS AGGREGATE BASE, PG64-22 (3") 3A/(12 x 27)	302 POMEROY (21) BITUMINOUS AGGREGATE BASE, PG64-22 (VAR.)	304 MASON (9) AGGREGATE BASE (6") 6A/(12 x 27)	304 UNINC. (WV) (9) AGGREGATE BASE (6") 6A/(12 x 27)	304 POMEROY (9) AGGREGATE BASE (6") 6A/(12 x 27)
		FT.	FT.	SQ FT	SQ FT	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
TOTALS THIS SHEET								0			0						0				0
TOTALS CARRIED FROM SHEET NO. 83						2580.23						224.76							421.89		
TOTALS CARRIED FROM SHEET NO. 86						1089.38		2587.23					153.43			530.44			167.76		431.22
TOTALS CARRIED FROM SHEET NO. 89								10167.89							589.83	1189.53		0			1694.65
TOTALS CARRIED FROM SHEET NO. 92								3053.22		54.63				3.74	417.17			0			508.86
TOTALS CARRIED FROM SHEET NO. 95						3900.25	45.66		1082.08				659.49	3.20					650.03	7.61	
TOTALS CARRIED FROM SHEET NO. 98						2136.35		758.62			569.55		349.38				57.49		356.06		116.87
TOTALS						9706.21	45.66	16566.96	1082.08	54.63	569.55	224.76	1162.30	6.94	1007	1719.97	57.49	0	1595.74	7.61	2751.60
GRAND TOTALS						9706.21	45.66	16566.93	1082.08	54.63	569.55	1387.06		6.94		2784.46		0	1595.74	7.61	2751.60
ALLOCATED TOTALS SUMMED TO GENERAL SUMMARY						9706	46	16567	1082	55	570	1387		7		2784		0	1596	8	2752
TOTALS CARRIED TO GENERAL SUMMARY							26319			1707					4178			0		4356	

MEG-33-15.70

101/582

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NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC
2	SALVAGE PUMP STATION	1/06	SCC

STATION TO STATION	SIDE	LENGTH L (FT.)	AVERAGE WIDTH W (FT.)	AREA: AREA A = L x W (SQ FT)	AREA: CADD AREA A (SQ FT)	SPECIAL MASON (31) MISC.: AGGREGATE BASE COURSE, CLASS I (WVDOH) (Var.) 1.980 x 0.58A/27 (TON)	SPECIAL MASON (32) MISC.: AGGREGATE BASE COURSE, CLASS I (WVDOH) (6") 6A/(12 x 27) (CU YD)	SPECIAL MASON (36) MISC.: AGGREGATE BASE COURSE, CLASS I (WVDOH) (4") 4A/(12 x 27) (CU YD)	SPECIAL UNINC. (WV) (36) MISC.: AGGREGATE BASE COURSE, CLASS I (WVDOH) (4") 4A/(12 x 27) (CU YD)	407 MASON (4) TACK COAT 0.075A/9 (GALLON)	407 UNINC. (WV) (4) TACK COAT 0.075A/9 (GALLON)	407 POMEROY (4) TACK COAT 0.075A/9 (GALLON)	407 MASON (2) TACK COAT FOR INTERMEDIATE COURSE 0.050A/9 (GALLON)	407 UNINC. (WV) (2) TACK COAT FOR INTERMEDIATE COURSE 0.050A/9 (GALLON)	407 POMEROY (2) TACK COAT FOR INTERMEDIATE COURSE 0.050A/9 (GALLON)	408 POMEROY (8) BITUMINOUS PRIME COAT 0.4A/9 (GALLON)	611 POMEROY (13) REINFORCED CONCRETE APPROACH SLAB (T=15") A/9 (SQ YD)	SPECIAL MASON (26) MISC.: 12" PORTLAND CEMENT CONCRETE APPROACH SLAB (WVDOH) A/9 (SQ YD)	830 POMEROY (17) COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN (LIN FT)
TOTALS THIS SHEET												0			0	0			
TOTALS CARRIED FROM SHEET NO. 84						107.42	404.19			151.72			101.15						
TOTALS CARRIED FROM SHEET NO. 87										79.08		159.12	46.16		106.08	848.69	248.10	139.63	283.95
TOTALS CARRIED FROM SHEET NO. 90												622.27			414.86	3318.82			1328.59
TOTALS CARRIED FROM SHEET NO. 93									2.64		5.75	187.74		1.08	125.15	1014.88			537.80
TOTALS CARRIED FROM SHEET NO. 96								92.41	2.25	375.99	1.41		195.84	0.93					
TOTALS CARRIED FROM SHEET NO. 99										157.22		93.91	104.81		34.13	275.99			
TOTALS						107.42	404.19	92.41	4.89	764.01	7.16	1063.04	447.96	2.01	680.22	5458.38	248.10	139.63	2150.34
GRAND TOTALS						107.42	496.60		4.89	764.01	7.16	1063.04	447.96	2.01	680.22	5458.38	248.10	139.63	2150.34
ALLOCATED TOTALS SUMMED TO GENERAL SUMMARY						107.42	497		5	764	7	1063	448	2	680	5458	248	140	2150
TOTALS CARRIED TO GENERAL SUMMARY						107.42	502				1834			1130		5458	248	140	2150

CALCULATED JAG
CHECKED AM

PAVEMENT CALCULATIONS

MEG-33-15.70

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC
2	SALVAGE PUMP STATION	1/06	SCC

STATION TO STATION	SIDE	LENGTH L	AVERAGE WIDTH W	AREA A = L x W	CADD AREA A	826 MASON (1) ASPHALT CONCRETE SURFACE COURSE, TYPE 1, FIBER B (1¼") 1.25A/(12 x 27)	826 UNINC. (WV) (1) ASPHALT CONCRETE SURFACE COURSE, TYPE 1, FIBER B (1¼") 1.25A/(12 x 27)	826 POMEROY (1) ASPHALT CONCRETE SURFACE COURSE, TYPE 1, FIBER B (1¼") 1.25A/(12 x 27)	826 MASON (3) ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, FIBER B (1¾") 1.75A/(12 x 27)	826 MASON (24) ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, FIBER B (2¼") 2.25A/(12 x 27)	826 UNINC. (WV) (24) ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, FIBER B (2¼") 2.25A/(12 x 27)	826 POMEROY (3) ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, FIBER B (1¾") 1.75A/(12 x 27)	830 POMEROY (17) COMBINATION CURB AND GUTTER, TYPE 2	SPECIAL MASON (23) MISC.: COMBINATION CONCRETE CURB AND GUTTER, TYPE I (WVDOH), AS PER PLAN	830 POMEROY (18) CURB, TYPE 6	SPECIAL MASON (30) MISC.: PLAIN CONCRETE CURBING, TYPE I (WVDOH)	SPECIAL MASON (27) MISC.: OPEN GRADED, FREE DRAINING BASE COURSE (WVDOH) 4A/(12 x 27)	SPECIAL MASON (34) MISC.: FABRIC FOR SEPARATION (WVDOH) A/9	SPECIAL UNINC. (WV) (34) MISC.: FABRIC FOR SEPARATION (WVDOH) A/9	SPECIAL MASON (10) MISC.: COMBINATION CONCRETE CURB AND GUTTER, TYPE IV (WVDOH), AS PER PLAN
		FT.	FT.	SQ FT	SQ FT	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	LIN FT	LIN FT	LIN FT	LIN FT	CU YD	SQ YD	SQ YD	LIN FT
TOTALS THIS SHEET								0				0								
TOTALS CARRIED FROM SHEET NO. 85						70.25			73.84							179		2474.43		
TOTALS CARRIED FROM SHEET NO. 88						36.65		73.67		57.40		103.14	162.82		0	92	96.33	866.91		
TOTALS CARRIED FROM SHEET NO. 91								288.08				403.33	3165.52		0					
TOTALS CARRIED FROM SHEET NO. 94							2.65	86.90			1.37	121.68	479.81		72.25				23.79	
TOTALS CARRIED FROM SHEET NO. 97						173.57	0.64			245.69	1.17						338.49	3877.94	20.27	
TOTALS CARRIED FROM SHEET NO. 100						72.78		43.48		131.02		33.18	172.30	523			237.36	2136.35		63
TOTALS						353.25	3.29	492.13	73.84	434.11	2.54	661.33	3980.45	523	72.25	271	672.18	9355.63	44.06	63
GRAND TOTALS						353.25	3.29	492.13	507.95		2.54	661.33	3980.45	523	72.25	271	672.18	9355.63	44.06	63
ALLOCATED TOTALS SUMMED TO GENERAL SUMMARY						353	3	492	508		3	661	3980	523	72	271	672	9356	44	63
TOTALS CARRIED TO GENERAL SUMMARY							848				1172		3980	523	72	271	672	9400		63

CALCULATED JAG
CHECKED AM

PAVEMENT CALCULATIONS

MEG-33-15.70

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SHEET NO. FROM SANITARY PLAN & PROFILE SHEETS AND FROM SANITARY ELECTRICAL QUANTITY SHEET	304 AGGREGATE BASE, AS PER PLAN	604 MANHOLE RECONSTRUCTED TO GRADE, AS PER PLAN	607 FENCE, TYPE CL, MISC., AS PER PLAN, 8' HT.	GATE, TYPE CL, AS PER PLAN	SPECIAL MISC.: 4" FORCE MAIN	MISC.: AIR RELEASE VALVE MANHOLE	MISC.: BACK PRESSURE PRIMING VALVE MANHOLE
	CU YD	EACH	LIN FT	EACH	LIN FT	EACH	LUMP
244A	17	1	57	1	362		
245					400	1	
246					400		
247					400	1	
248					436	1	
249							LUMP
TOTALS CARRIED TO GENERAL SUMMARY	17	1	57	1	1998	3	LUMP

CALCULATED SJ CHECKED SCC

SANITARY SUB-SUMMARY (POMEROY)

MEG-33-15.70

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	8/05	KAS
2	SALVAGE PUMP STATION	1/06	SCC

104
582

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SHEET NO. FROM SANITARY PLAN & PROFILE SHEETS AND FROM SANITARY ELECTRICAL QUANTITY SHEET	SPECIAL MISC.: TYPE A MANHOLE, (WVDOH), AS PER PLAN	MISC.: 6" PLASTIC SEWER PIPE (WVDOH)	MISC.: 8" PLASTIC SEWER PIPE (WVDOH)	MISC.: 8" DUCTILE IRON SEWER PIPE, TYPE I, CLASS 52 (WVDOH)	MISC.: 8" RECONSTRUCTED SANITARY SEWER, TYPE 718.5 (WVDOH)	MISC.: ADJUSTING MANHOLE (WVDOH)	MISC.: CAPPING MANHOLE (WVDOH)	MISC.: 18" STEEL CASING PIPE, THICKNESS 5/16" (WVDOH)
	EACH	LIN FT	LIN FT	LIN FT	LIN FT	EACH	EACH	LIN FT
250	3	81	479		69		2	
251	2		174	201			3	160
252		146			196	1	1	
253	3		201					
TOTALS CARRIED TO GENERAL SUMMARY	8	227	854	201	265	1	6	160

CALCULATED JAP CHECKED AM

SANITARY SUB-SUMMARY (MASON)

MEG-33-15.70

EARTHWORK & SEEDING SUBSUMMARY

STATION TO STATION	ITEM 203 EXCAVATION NOT INCLUDING EMBANKMENT CONSTRUCTION C.Y. (POMEROY)	ITEM 203 EXCAVATION OF UNSUITABLE MATERIAL C.Y. (POMEROY)	ITEM 203 EMBANKMENT C.Y. (POMEROY)	ITEM 203 EMBANKMENT USING GRANULAR MATERIAL, AS PER PLAN C.Y. (POMEROY)	SEEDING S.Y. (POMEROY)	DEDUCTIONS ITEM 601 RIPRAP AND ROCK CHANNEL PROTECTION S.Y.	DEDUCTIONS ITEM 660 REINFORCED SODDING S.Y.	DEDUCTIONS ITEM 661 MULCH S.Y.	DEDUCTIONS ITEM 670 DITCH EROSION PROTECTION S.Y.	ITEM 870 SEEDING AND MULCHING S.Y. (POMEROY)
SR 833										
39+83.01 TO 40+08.31	65		2298		404				21	383
40+70.00 TO 41+00.00	408	217	2017	217	1085				76	1009
41+50.00 TO 42+00.00	7719	724	88	724	1917				42	1875
42+50.00 TO 43+00.00	10312	696	47	696	1970	3				1967
43+50.00 TO 44+00.00	9593	671	89	671	1864					1864
44+50.00 TO 45+00.00	11586	668	296	668	1945					1945
45+50.00 TO 46+00.00	16431	598	497	334	2059					2059
46+50.00 TO 47+00.00	6534	390	529		1626					1626
47+50.00 TO 48+00.00	4619	537	602	290	751				67	684
48+50.00 TO 49+00.00	4175	387	93	387	1674	44			42	1588
49+50.00 TO 50+00.00	1600	209	221	209	2190	88			84	2018
50+50.00 TO 51+00.00	523	138	419	138	1676	71			84	1521
51+30.00 TO 51+50.00	301	68	143	68	751	138			25	588
52+00.00 TO 52+50.00	317	229	78	229	712				83	629
53+00.00 TO 53+59.00	367	137	14	137	551				91	460
53+95.00 TO 54+50.00	86		8		196				76	120
MAIN STREET										
129+50.00 TO 131+00.00										
131+50.00 TO 132+38.17	328		35		499	3			20	476
132+50.00 TO 133+00.00	37		98		185					185
133+40.00 TO 134+00.00	120		418		681	24			~~42~~	615
134+50.00 TO 135+50.00	135		2222		1770				~~125~~	1770
135+80.00 TO 136+28.77	166		1152		927				0.64	926
136+50.00 TO 137+00.00	148		1055		542	67			35	440
137+50.00 TO 138+50.00	236		325		1826				125	1701
139+00.00 TO 139+50.00	199		111		1348				83	1265
140+20.60 TO 140+50.00	201		982		1227				58	1169
141+02.19 TO 141+50.00	176		2563		915					915
142+00.00 TO 143+00.00	630		390		1885				109	1776
143+50.00 TO 144+50.00	1446		51		1865				250	1615
145+00.00 TO 146+00.00	1823		276		2257	3			99	2155
146+50.00 TO 148+00.00	194		3078		2619	2			167	2450
148+50.00	177		785		992				83	909
LIBERTY LANE										
8+90.00 TO 9+40.00	9		0		6					6
WEST MAIN STREET										
10+50.00 TO 10+70.00	25		52		87					87
10+80.00 TO 11+45.00	121		3		172					172
13+44.10 TO 13+80.78	18		0		47					47
14+03.89 TO 14+23.89	36		301		178					178
14+53.79	14		202							
FLOOD RUN STREET										
19+44.94 TO 19+80	49				44					44
DITCH1										
0+30 TO 0+50	18		81		28	2			4	22
0+60 TO 0+80	12		603		76	13				63
0+90 TO 1+00	7		256		94	5			7	82
TOTALS CARRIED TO GENERAL SUMMARY	80961	5669	22478	4768						39404

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC
2	RETAINING WALL GRADING	9/05	SCC
3	SALVAGE PUMP STATION	1/06	SCC
4	EXTEND ROCK CUT	1/06	SCC

CALCULATED MAL
CHECKED SCC

MEG-33-15.70

STATION TO STATION	ITEM 203 EXCAVATION NOT INCLUDING EMBANKMENT CONSTRUCTION C.Y.			ITEM 203 EXCAVATION OF UNSUITABLE MATERIAL C.Y.	ITEM 203 EMBANKMENT C.Y.			ITEM 203 EMBANKMENT USING GRANULAR MATERIAL, AS PER PLAN C.Y.	SEEDING S.Y.			DEDUCTIONS ITEM 601 RIPRAP AND ROCK CHANNEL PROTECTION S.Y.	DEDUCTIONS ITEM 660 REINFORCED SODDING S.Y.	DEDUCTIONS ITEM 661 MULCH S.Y.	DEDUCTIONS ITEM 670 DITCH EROSION PROTECTION S.Y.	ITEM 870 SEEDING AND MULCHING S.Y.		
	POMEROY	MASON	UNINC-WV	POMEROY	POMEROY	MASON	UNINC-WV	POMEROY	POMEROY	MASON	UNINC-WV					POMEROY	MASON	UNINC-WV
WAL-MART DRIVE																		
16+30.85 TO 19+00.00		1432				214				1165					212		953	
SR 833																		
20+50.00 TO 22+00.00		435				2489				4571		51	30		13		4477	
~~37+00.00 TO 41+25.00~~	~~123~~				~~924~~				~~958~~						~~28~~	~~930~~		
~~41+25.00 TO 46+40.96~~	~~2392~~			~~2792~~	~~8748~~				~~2418~~			~~28~~			~~269~~	~~2121~~		
~~46+40.96 TO 50+00.00~~	~~153~~			~~264~~	~~48012~~			~~264~~	~~8318~~			~~81~~			~~471~~	~~7766~~		
~~50+00.00 TO 53+77.00~~	~~2026~~			~~2212~~	~~6597~~			~~2212~~	~~3682~~			~~267~~			~~290~~	~~3125~~		
MAIN STREET																		
~~131+00.00 TO 133+00.00~~	~~258~~				~~117~~				~~413~~						~~15~~	~~398~~		
~~133+00.00 TO 138+00.00~~	~~418~~				~~10718~~				~~3790~~			~~26~~			~~459~~	~~3305~~		
~~138+00.00 TO 143+00.00~~	~~1529~~				~~39224~~				~~8338~~					~~155~~	~~363~~	~~7820~~		
~~143+00.00 TO 146+00.00~~	~~2379~~				~~39962~~				~~5869~~					~~234~~	~~126~~	~~5509~~		
WV 62																		
205+00.00 TO 208+50.00		699	42			7	5			979	3				32		947	3
208+50.00 TO 213+50.00		2079				1122				2356					279		2077	
213+50.00 TO 217+00.00		1525				2022				1365					176		1189	
LIBERTY LANE																		
~~8+90.00 TO 9+40.00~~	~~9~~								~~6~~							~~6~~		
WEST MAIN STREET																		
~~10+00.00 TO 14+53.79~~	~~110~~				~~1086~~				~~477~~							~~477~~		
FLOOD RUN STREET																		
~~19+44.94 TO 19+80.00~~	~~49~~								~~44~~							~~44~~		
DITCH 1																		
~~0+00.00 TO 1+50.00~~	~~145~~				~~340~~				~~671~~			~~16~~			~~54~~	~~601~~		
ALLOCATED TOTALS CARRIED TO GENERAL SUMMARY	~~9591~~	6170	42	~~5268~~	~~155728~~	5854	5	~~2476~~								~~32102~~	9643	3
TOTALS CARRIED TO GENERAL SUMMARY	~~15803~~			~~5268~~	~~161587~~			~~2476~~								~~41748~~		

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED MHT
CHECKED AM

EARTHWORK & SEEDING SUBSUMMARY

MEG-33-15.70

OH 833 PAVEMENT ELEVATION TABLE

LEFT SIDE						PROFILE GRADE			RIGHT SIDE						
PROPOSED PAVEMENT WIDTH	PROPOSED EDGE OF PAVEMENT ELEVATION	PROPOSED PAVEMENT CROSS-SLOPE	PROPOSED PAVEMENT WIDTH	CROWN / POINT OF ROTATION ELEVATION	PROPOSED PAVEMENT CROSS-SLOPE	PROFILE GRADE ELEVATION	CENTERLINE STATION	LONGITUDINAL SLOPE	PROPOSED PAVEMENT CROSS-SLOPE	CROWN / POINT OF ROTATION ELEVATION	PROPOSED PAVEMENT WIDTH	PROPOSED PAVEMENT CROSS-SLOPE	PROPOSED EDGE OF PAVEMENT ELEVATION	PROPOSED PAVEMENT WIDTH	REMARKS
24.00	611.35	4.00%				**610.39**	**40+00.00**	-3.77%	-4.00%	610.27	3.00	-4.00%	609.19	27.00	
24.00	610.33	4.00%				**609.37**	**40+25.00**	-4.09%	-4.00%	609.25	3.00	-4.00%	608.17	27.00	
24.00	609.23	4.00%				**608.27**	**40+50.00**	-4.40%	-4.00%	608.15	3.00	-4.00%	607.07	27.00	
24.00	608.10	4.00%				**607.14**	**40+75.00**	-4.52%	-4.00%	607.02	3.00	-4.00%	605.94	27.00	
24.00	606.98	4.00%				**606.02**	**41+00.00**	-4.48%	-4.00%	605.90	3.00	-4.00%	604.82	27.00	
24.00	605.85	4.00%				**604.89**	**41+25.00**	-4.52%	-4.00%	604.77	3.00	-4.00%	603.69	27.00	
24.00	604.83	4.00%				**603.87**	**41+47.79**	-4.48%	-4.00%	603.75	3.00	-4.00%	602.67	27.00	
24.00	604.72	3.96%				**603.77**	**41+50.00**	-4.50%	-3.96%	603.65	2.98	-3.96%	602.58	26.98	
24.00	603.47	3.47%				**602.64**	**41+75.00**	-4.52%	-3.47%	602.55	2.73	-3.47%	601.62	26.73	
24.00	602.23	2.97%				**601.52**	**42+00.00**	-4.48%	-2.97%	601.45	2.49	-2.97%	600.66	26.49	
24.00	601.24	2.58%				**600.62**	**42+19.90**	-4.49%	-2.58%	600.57	2.29	-2.58%	599.89	26.29	END BARRIER LT., BEGIN CURB & GUTTER
24.00	600.99	2.48%				**600.39**	**42+25.00**	-4.52%	-2.48%	600.33	2.24	-2.48%	599.68	26.24	
24.00	599.75	1.99%				**599.27**	**42+50.00**	-4.48%	-1.99%	599.23	2.00	-1.99%	598.71	26.00	
24.00	598.76	1.60%				**598.37**	**42+69.90**	-4.49%	-1.60%	598.35	1.80	-1.60%	597.93	25.80	
24.00	598.50	1.50%				**598.14**	**42+75.00**	-4.52%	-1.50%	598.11	1.75	-1.60%	597.70	25.75	
24.00	597.26	1.01%				**597.02**	**43+00.00**	-4.48%	-1.01%	597.00	1.50	-1.60%	596.60	25.50	
24.00	596.01	0.52%				**595.89**	**43+25.00**	-4.52%	-0.52%	595.88	1.26	-1.60%	595.48	25.26	
24.00	594.78	0.03%				**594.77**	**43+50.00**	-4.48%	-0.03%	594.77	1.01	-1.60%	594.37	25.01	
24.00	594.71	0.00%				**594.71**	**43+51.31**	-4.50%	0.00%	594.71	1.00	-1.60%	594.31	25.00	
24.00	593.53	-0.47%				**593.65**	**43+75.00**	-4.50%	0.47%	593.65	1.00	-1.60%	593.25	25.00	
24.00	592.29	-0.96%				**592.52**	**44+00.00**	-4.50%	0.96%	592.53	1.00	-1.60%	592.13	25.00	
24.00	591.05	-1.45%				**591.40**	**44+25.00**	-4.50%	1.45%	591.41	1.00	-1.60%	591.01	25.00	
24.00	590.66	-1.60%				**591.05**	**44+32.72**	-4.50%	1.60%	591.06	1.00	-1.60%	590.66	25.00	
24.00	589.89	-1.60%				**590.27**	**44+50.00**	-4.50%	1.60%	590.29	1.00	-1.60%	589.89	25.00	
24.00	588.77	-1.60%				**589.16**	**44+75.00**	-4.45%	1.60%	589.17	1.00	-1.60%	588.77	25.00	
24.00	587.72	-1.60%				**588.10**	**45+00.00**	-4.21%	1.60%	588.12	1.00	-1.60%	587.72	25.00	
24.00	586.73	-1.60%				**587.12**	**45+25.00**	-3.95%	1.60%	587.13	1.00	-1.60%	586.73	25.00	
24.00	585.81	-1.60%				**586.20**	**45+50.00**	-3.69%	1.60%	586.21	1.00	-1.60%	585.81	25.00	
24.00	584.96	-1.60%				**585.34**	**45+75.00**	-3.42%	1.60%	585.36	1.00	-1.60%	584.96	25.00	
24.00	584.17	-1.60%				**584.55**	**46+00.00**	-3.16%	1.60%	584.57	1.00	-1.60%	584.17	25.00	
24.00	583.75	-1.60%				**584.14**	**46+13.89**	-3.09%	1.60%	584.15	1.00	-1.60%	583.75	25.00	
24.00	583.44	-1.60%				**583.82**	**46+25.00**	-2.90%	1.60%	583.84	0.84	-1.60%	583.44	24.84	
24.00	582.99	-1.60%				**583.37**	**46+41.89**	-2.74%	1.60%	583.38	0.60	-1.60%	582.99	24.60	
24.00	582.78	-1.60%				**583.17**	**46+50.00**	-2.64%	1.60%	583.17	0.48	-1.60%	582.78	24.48	
24.00	582.18	-1.60%				**582.56**	**46+75.00**	-2.45%	1.60%	582.56	0.13	-1.60%	582.18	24.13	BEGIN INTERSECTION AREA RT.,
24.00	581.96	-1.60%				**582.35**	**46+83.89**	-2.42%	1.60%	582.35	0.00	-1.60%	581.96	24.00	SEE INTERSECTION DETAILS
24.00	581.58	-1.60%				**581.96**	**47+00.00**	-2.40%						24.00	
24.00	580.98	-1.60%				**581.36**	**47+25.00**	-2.40%						24.00	
24.00	580.38	-1.60%				**580.76**	**47+50.00**	-2.40%						24.00	
24.00	579.78	-1.60%				**580.16**	**47+75.00**	-2.40%				-1.60%	579.97	12.00	
24.00	579.18	-1.60%				**579.56**	**48+00.00**	-2.40%				-1.60%	579.37	12.00	
24.00	578.58	-1.60%				**578.96**	**48+25.00**	-2.40%				-1.60%	578.77	12.00	
24.00	577.98	-1.60%				**578.36**	**48+50.00**	-2.40%				-1.60%	578.17	12.00	
24.00	577.38	-1.60%				**577.76**	**48+75.00**	-2.40%				-1.60%	577.57	12.00	
24.00	576.78	-1.60%				**577.16**	**49+00.00**	-2.40%				-1.60%	576.97	12.00	
24.00	576.69	-1.60%	0.00	577.08	1.60%	**577.08**	**49+03.54**	-2.40%				-1.60%	576.88	12.00	END INTERSECTION AREA RT.
24.51	576.17	-1.60%	0.26	576.56	1.60%	**576.56**	**49+25.00**	-2.40%				-1.60%	576.37	12.00	
25.11	575.57	-1.60%	0.55	575.97	1.60%	**575.96**	**49+50.00**	-2.40%				-1.60%	575.77	12.00	
25.70	574.96	-1.60%	0.85	575.37	1.60%	**575.36**	**49+75.00**	-2.40%				-1.60%	575.17	12.00	
26.30	574.36	-1.60%	1.15	574.78	1.60%	**574.76**	**50+00.00**	-2.40%				-1.60%	574.57	12.00	
26.50	574.15	-1.60%	1.25	574.58	1.60%	**574.56**	**50+08.54**	-2.40%				-1.60%	574.36	12.00	
26.50	573.76	-1.60%	1.25	574.18	1.60%	**574.16**	**50+25.00**	-2.40%				-1.60%	573.97	12.00	
26.50	573.16	-1.60%	1.25	573.58	1.60%	**573.56**	**50+50.00**	-2.40%				-1.60%	573.37	12.00	
26.50	572.56	-1.60%	1.25	572.98	1.60%	**572.96**	**50+75.00**	-2.40%				-1.60%	572.77	12.00	
26.50	571.96	-1.60%	1.25	572.38	1.60%	**572.36**	**51+00.00**	-2.40%				-1.60%	572.17	12.00	
26.50	571.36	-1.60%	1.25	571.78	1.60%	**571.76**	**51+25.00**	-2.40%				-1.60%	571.57	12.00	

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NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED | CHECKED

PAVEMENT ELEVATION TABLE

MEG-33-15.70

OH 833 PAVEMENT ELEVATION TABLE

LEFT SIDE						PROFILE GRADE			RIGHT SIDE						
PROPOSED PAVEMENT WIDTH	PROPOSED EDGE OF PAVEMENT ELEVATION	PROPOSED PAVEMENT CROSS-SLOPE	PROPOSED PAVEMENT WIDTH	CROWN / POINT OF ROTATION ELEVATION	PROPOSED PAVEMENT CROSS-SLOPE	PROFILE GRADE ELEVATION	CENTERLINE STATION	LONGITUDINAL SLOPE	PROPOSED PAVEMENT CROSS-SLOPE	CROWN / POINT OF ROTATION ELEVATION	PROPOSED PAVEMENT WIDTH	PROPOSED PAVEMENT CROSS-SLOPE	PROPOSED EDGE OF PAVEMENT ELEVATION	PROPOSED PAVEMENT WIDTH	REMARKS
26.50	571.00	-1.60%	1.25	571.42	1.60%	**571.40**	**51+40.00**	-2.40%				-1.60%	571.21	12.00	
26.02	570.76	-1.60%	1.25	571.18	1.60%	**571.16**	**51+50.00**	-2.40%				-1.60%	570.97	12.00	
24.82	570.18	-1.60%	1.25	570.58	1.60%	**570.56**	**51+75.00**	-2.40%				-1.60%	570.37	12.00	
23.63	569.61	-1.60%	1.25	569.99	1.60%	**569.97**	**52+00.00**	-2.37%				-1.60%	569.78	12.00	
23.40	569.51	-1.60%	1.25	569.88	1.60%	**569.86**	**52+04.72**	-2.22%				-1.60%	569.67	12.00	
21.71	569.12	-1.60%	1.01	569.46	1.60%	**569.45**	**52+25.00**	-2.23%				-1.60%	569.25	12.00	
19.89	568.76	-1.60%	0.75	569.08	1.60%	**569.07**	**52+46.72**	-1.93%				-1.60%	568.87	12.00	
19.68	568.71	-1.60%	0.71	569.03	1.60%	**569.02**	**52+50.00**	-1.57%				-1.60%	568.82	12.00	
18.09	568.39	-1.60%	0.41	568.68	1.60%	**568.67**	**52+75.00**	-1.37%				-1.60%	568.48	12.00	
16.50	568.16	-1.60%	0.12	568.42	1.60%	**568.42**	**53+00.00**	-1.02%				-1.60%	568.23	12.00	
15.88	568.09	-1.60%	0.00	568.34	1.60%	**568.34**	**53+09.72**	-0.77%				-1.60%	568.15	12.00	
15.15	568.10	-1.02%				**568.25**	**53+25.00**	-0.66%				-1.85%	568.02	12.47	
13.95	568.17	-0.07%				**568.18**	**53+50.00**	-0.31%				-2.26%	567.88	13.23	
13.24	568.24	0.50%				**568.17**	**53+65.00**	-0.20%				-2.66%	567.81	13.69	
12.76	568.30	0.88%				**568.19**	**53+75.00**	0.05%				-2.66%	567.81	13.99	
11.80	568.45	1.64%				**568.26**	**53+95.00**	0.36%				-2.99%	567.82	14.60	

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CALCULATED CHECKED

PAVEMENT ELEVATION TABLE

MEG-33-15.70

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

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MAIN STREET PAVEMENT ELEVATION TABLE

LEFT SIDE: PROPOSED PAVEMENT WIDTH	LEFT SIDE: PROPOSED EDGE OF PAVEMENT ELEVATION	LEFT SIDE: PROPOSED PAVEMENT CROSS-SLOPE	PROFILE GRADE: PROFILE GRADE ELEVATION	PROFILE GRADE: CENTERLINE STATION	PROFILE GRADE: LONGITUDINAL SLOPE	RIGHT SIDE: PROPOSED PAVEMENT CROSS-SLOPE	RIGHT SIDE: PROPOSED EDGE OF PAVEMENT ELEVATION	RIGHT SIDE: PROPOSED PAVEMENT WIDTH	REMARKS
12.00	567.82	-2.66%	**568.14**	**131+00.00**		-3.10%	567.77	12.00	
12.00	567.81	-1.60%	**568.00**	**131+25.00**	-0.56%	-2.30%	567.72	12.00	
12.00	567.79	-1.60%	**567.98**	**131+50.00**	-0.09%	-1.60%	567.79	12.00	
12.00	567.89	-1.60%	**568.08**	**131+75.00**	0.42%	-1.60%	567.89	12.00	
12.00	568.12	-1.60%	**568.31**	**132+00.00**	0.93%	-1.60%	568.12	12.00	
12.00	568.48	-1.60%	**568.67**	**132+25.00**	1.44%	-1.60%	568.48	12.00	
12.00	568.97	-1.60%	**569.16**	**132+50.00**	1.95%	-1.60%	568.97	12.00	
12.00	569.52	-1.60%	**569.71**	**132+75.00**	2.20%	-1.60%	569.52	12.00	
12.00	570.07	-1.60%	**570.26**	**133+00.00**	2.20%	-1.60%	570.07	12.00	
12.00	570.62	-1.60%	**570.81**	**133+25.00**	2.20%	-1.60%	570.62	12.00	
12.00	571.17	-1.60%	**571.36**	**133+50.00**	2.20%	-1.60%	571.17	12.00	
12.00	571.72	-1.60%	**571.91**	**133+75.00**	2.20%	-1.60%	571.72	12.00	
12.00	572.27	-1.60%	**572.46**	**134+00.00**	2.20%	-1.60%	572.27	12.00	
12.00	572.82	-1.60%	**573.01**	**134+25.00**	2.20%	-1.60%	572.82	12.00	
12.00	573.37	-1.60%	**573.56**	**134+50.00**	2.20%	-1.60%	573.37	12.00	
12.00	573.92	-1.60%	**574.11**	**134+75.00**	2.20%	-1.60%	573.92	12.00	
12.00	574.47	-1.60%	**574.66**	**135+00.00**	2.20%	-1.60%	574.47	12.00	
12.00	575.02	-1.60%	**575.21**	**135+25.00**	2.20%	-1.60%	575.02	12.00	
12.00	575.57	-1.60%	**575.76**	**135+50.00**	2.20%	-1.60%	575.57	12.00	
12.00	576.12	-1.60%	**576.31**	**135+75.00**	2.20%	-1.60%	576.12	12.00	
12.00	576.67	-1.60%	**576.86**	**136+00.00**	2.20%	-1.60%	576.67	12.00	
12.00	577.22	-1.60%	**577.41**	**136+25.00**	2.20%	-1.60%	577.22	12.00	
12.00	577.77	-1.60%	**577.96**	**136+50.00**	2.20%	-1.60%	577.77	12.00	
12.00	578.18	-1.60%	**578.37**	**136+70.00**	2.07%	-1.60%	578.18	12.00	
12.00	578.28	-1.60%	**578.47**	**136+75.00**	2.05%	-1.60%	578.28	12.00	
12.00	578.74	-1.60%	**578.93**	**137+00.00**	1.86%	-1.60%	578.74	12.00	
12.00	579.15	-1.60%	**579.34**	**137+25.00**	1.63%	-1.60%	579.15	12.00	
12.00	579.50	-1.60%	**579.69**	**137+50.00**	1.42%	-1.60%	579.50	12.00	
12.00	579.81	-1.60%	**580.00**	**137+75.00**	1.21%	-1.60%	579.81	12.00	
12.00	580.05	-1.60%	**580.25**	**138+00.00**	1.00%	-1.60%	580.05	12.00	
12.00	580.25	-1.60%	**580.44**	**138+25.00**	0.79%	-1.60%	580.25	12.00	
12.00	580.40	-1.60%	**580.59**	**138+50.00**	0.58%	-1.60%	580.40	12.00	
12.00	580.49	-1.60%	**580.68**	**138+75.00**	0.36%	-1.60%	580.49	12.00	
12.00	580.52	-1.60%	**580.72**	**139+00.00**	0.15%	-1.60%	580.52	12.00	
12.00	580.51	-1.60%	**580.70**	**139+25.00**	-0.06%	-1.60%	580.51	12.00	
12.00	580.49	-1.60%	**580.68**	**139+35.00**	-0.20%	-1.60%	580.49	12.00	
12.00	580.44	-1.60%	**580.64**	**139+50.00**	-0.31%	-1.60%	580.44	12.00	
12.00	580.33	-1.60%	**580.52**	**139+75.00**	-0.46%	-1.60%	580.33	12.00	
12.00	580.20	-1.60%	**580.39**	**140+00.00**	-0.52%	-1.60%	580.20	12.00	
12.00	580.08	-1.60%	**580.27**	**140+25.00**	-0.48%	-1.60%	580.08	12.00	
12.00	579.95	-1.60%	**580.15**	**140+50.00**	-0.50%	-1.60%	579.95	12.00	
12.00	579.83	-1.60%	**580.02**	**140+75.00**	-0.50%	-1.60%	579.83	12.00	
12.00	579.70	-1.60%	**579.89**	**141+00.00**	-0.52%	-1.60%	579.70	12.00	
12.00	579.54	-1.60%	**579.73**	**141+25.00**	-0.62%	-1.60%	579.54	12.00	
12.00	579.30	-1.60%	**579.49**	**141+50.00**	-0.96%	-1.60%	579.30	12.00	
12.00	578.99	-1.60%	**579.18**	**141+75.00**	-1.27%	-1.60%	578.99	12.00	
12.00	578.59	-1.60%	**578.78**	**142+00.00**	-1.58%	-1.60%	578.59	12.00	
12.00	578.12	-1.60%	**578.31**	**142+25.00**	-1.89%	-1.60%	578.12	12.00	
12.00	577.62	-1.60%	**577.81**	**142+50.00**	-2.00%	-1.60%	577.62	12.00	
12.00	577.12	-1.60%	**577.31**	**142+75.00**	-2.00%	-1.60%	577.12	12.00	
12.00	576.65	-1.60%	**576.84**	**143+00.00**	-1.87%	-1.60%	576.65	12.00	
12.00	576.25	-1.60%	**576.44**	**143+25.00**	-1.60%	-1.60%	576.25	12.00	
12.00	575.92	-1.60%	**576.11**	**143+50.00**	-1.33%	-1.60%	575.92	12.00	
12.00	575.65	-1.60%	**575.85**	**143+75.00**	-1.05%	-1.60%	575.65	12.00	
12.00	575.46	-1.60%	**575.65**	**144+00.00**	-0.78%	-1.60%	575.46	12.00	
12.00	575.33	-1.60%	**575.52**	**144+25.00**	-0.51%	-1.60%	575.33	12.00	
12.00	575.32	-1.60%	**575.52**	**144+27.12**	-0.36%	-1.60%	575.32	12.00	
12.00	575.27	-1.60%	**575.47**	**144+50.00**	-0.23%	-1.60%	575.26	13.12	

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NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

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PAVEMENT ELEVATION TABLE

MEG-33-15.70

MAIN STREET PAVEMENT ELEVATION TABLE

			LEFT SIDE			PROFILE GRADE			RIGHT SIDE						REMARKS
			PROPOSED PAVEMENT WIDTH	PROPOSED EDGE OF PAVEMENT ELEVATION	PROPOSED PAVEMENT CROSS-SLOPE	PROFILE GRADE ELEVATION	CENTERLINE STATION	LONGITUDINAL SLOPE	PROPOSED PAVEMENT CROSS-SLOPE	PROPOSED EDGE OF PAVEMENT ELEVATION	PROPOSED PAVEMENT WIDTH				
			12.00	575.28	-1.60%	**575.48**	**144+75.00**	0.04%	-1.60%	575.25	14.35				
			12.00	575.29	-1.60%	**575.49**	**144+80.00**	0.20%	-1.60%	575.25	14.59				
			12.00	575.36	-1.60%	**575.55**	**145+00.00**	0.34%	-1.60%	575.30	15.57				
			12.00	575.39	-1.60%	**575.58**	**145+05.38**	0.48%	-1.60%	575.33	15.83				
			12.00	575.41	-1.60%	**575.60**	**145+09.30**	0.53%	-1.47%	575.37	16.03				
			12.78	575.50	-1.60%	**575.70**	**145+25.00**	0.64%	-0.93%	575.54	16.79				
			14.03	575.69	-1.60%	**575.92**	**145+50.00**	0.86%	-0.08%	575.90	18.02				
			14.15	575.71	-1.60%	**575.94**	**145+52.24**	1.01%	0.00%	575.94	18.13				
			15.28	575.95	-1.60%	**576.20**	**145+75.00**	1.15%	0.58%	576.31	19.24				
			16.28	576.21	-1.60%	**576.47**	**145+94.96**	1.26%	1.09%	576.69	20.22				
			16.78	576.28	-1.60%	**576.55**	**146+00.00**	1.40%	1.22%	576.80	20.47				
			18.28	576.48	-1.60%	**576.78**	**146+15.00**	1.50%	1.60%	577.11	21.20				
			19.28	576.57	-1.79%	**576.92**	**146+25.00**	1.45%	1.79%	577.31	21.69				
			20.40	576.68	-2.01%	**577.09**	**146+36.16**	1.54%	2.01%	577.54	22.24				
			21.61	576.79	-2.24%	**577.27**	**146+48.29**	1.52%	2.24%	577.79	22.83				
			21.79	576.80	-2.27%	**577.30**	**146+50.00**	1.50%	2.27%	577.82	22.92				
			23.00	576.91	-2.51%	**577.48**	**146+62.13**	1.50%	2.51%	578.07	23.51				
			23.50	577.00	-2.70%	**577.63**	**146+72.12**	1.50%	2.70%	578.28	24.00				
			23.64	577.03	-2.70%	**577.67**	**146+75.00**	1.33%	2.70%	578.32	24.00				
			23.67	577.04	-2.70%	**577.68**	**146+75.55**	2.41%	2.70%	578.33	24.00				
			24.00	577.13	-2.70%	**577.78**	**146+82.13**	1.50%	2.70%	578.43	24.00				
			24.00	577.40	-2.70%	**578.05**	**147+00.00**	1.50%	2.70%	578.70	24.00				
			24.00	577.75	-2.70%	**578.40**	**147+25.00**	1.40%	2.70%	579.05	24.00				
			24.00	578.04	-2.70%	**578.68**	**147+50.00**	1.13%	2.70%	579.33	24.00				
			24.01	578.25	-2.70%	**578.90**	**147+74.97**	0.86%	2.70%	579.55	24.00				
			24.01	578.25	-2.70%	**578.90**	**147+75.00**	0.73%	2.70%	579.55	24.00				
			24.53	578.58	-1.92%	**579.05**	**148+00.00**	0.59%	1.92%	579.51	24.00				
			25.20	578.77	-1.35%	**579.11**	**148+18.04**	0.35%	1.35%	579.44	24.00				
						579.13	**148+25.00**	0.22%	1.13%	579.40	24.00				
						579.17	**148+50.00**	0.19%	0.35%	579.26	24.00				
						579.19	**148+61.11**	0.19%	0.00%	579.19	24.00				
						579.22	**148+75.00**	0.19%	-0.44%	579.12	24.00				
						579.27	**149+00.00**	0.19%	-1.22%	578.96	24.95				
						579.32	**149+25.00**	0.19%	-2.00%	578.73	29.37				
						579.33	**149+32.21**	0.19%	-2.23%	578.62	32.02				
						579.36	**149+50.00**	0.19%	-2.79%						

1

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED

CHECKED

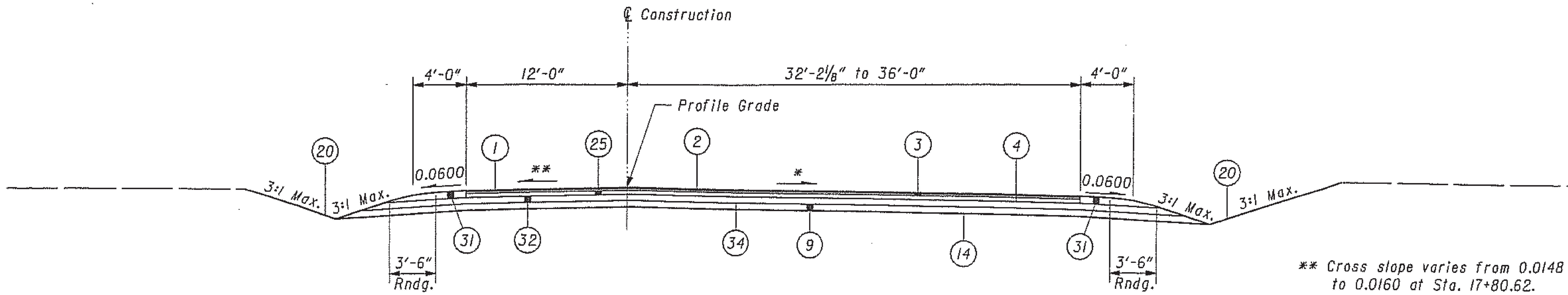
PAVEMENT ELEVATION TABLE

MEG-33-15.70

107C

582

J:\Project\O\ODOT\14944862 POM-MAS\Roadway\14944862\Roadway\ak_ge001.dgn - 1/11/2011 4:09:47 PM - jon_wanstrath



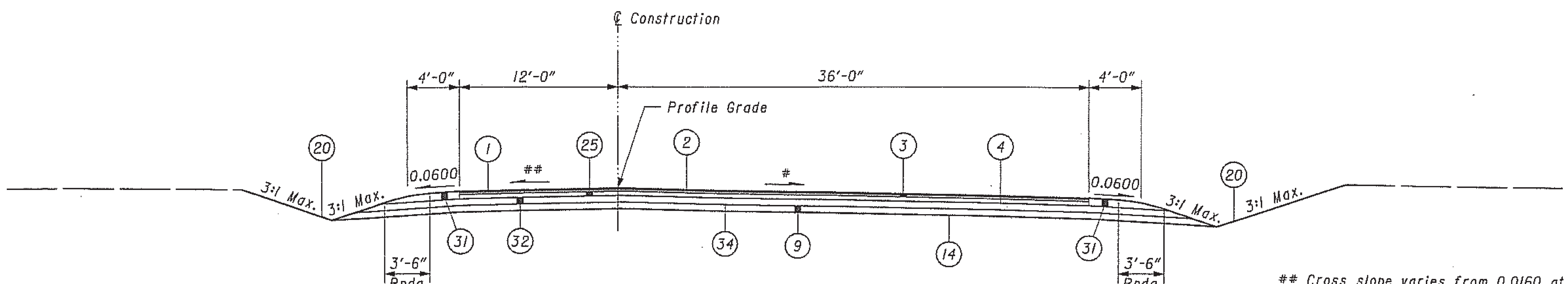
WV NORMAL SECTION - WAL-MART ACCESS DRIVE

SECTION APPLIES:

STA. 17+50.00 TO STA. 17+80.62 = 30.62 L.F.

** Cross slope varies from 0.0148 at Sta. 17+50.00 to 0.0160 at Sta. 17+80.62.

* Cross slope varies from 0.0142 at Sta. 17+50.00 to 0.0155 at Sta. 17+80.82.



WV NORMAL SECTION - WAL-MART ACCESS DRIVE

SECTION APPLIES:

STA. 17+80.62 TO STA. 19+63.97 = 183.35 L.F.

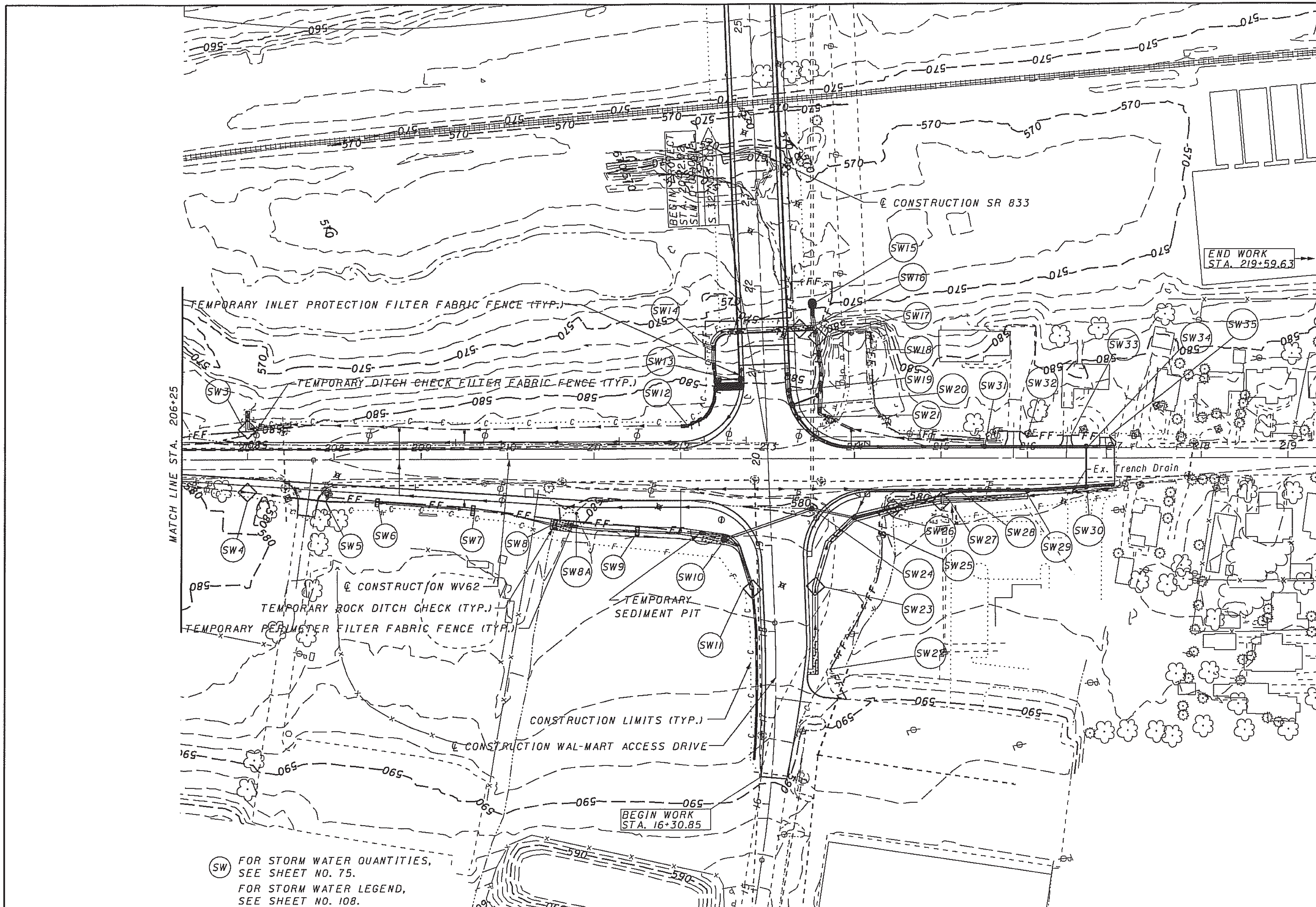
Cross slope varies from 0.0160 at Sta. 17+80.62 to 0.0200 at Sta. 18+80.62.

Cross slope varies from 0.0155 at Sta. 17+80.62 to 0.0200 at Sta. 18+84.15.

For Legend see Sheet No. 3.
For Intersection Detail see Sheet No. 219.

TYPICAL SECTIONS - WAL-MART ACCESS DRIVE (WV)

MEG-33-15.70



SW FOR STORM WATER QUANTITIES, SEE SHEET NO. 75.

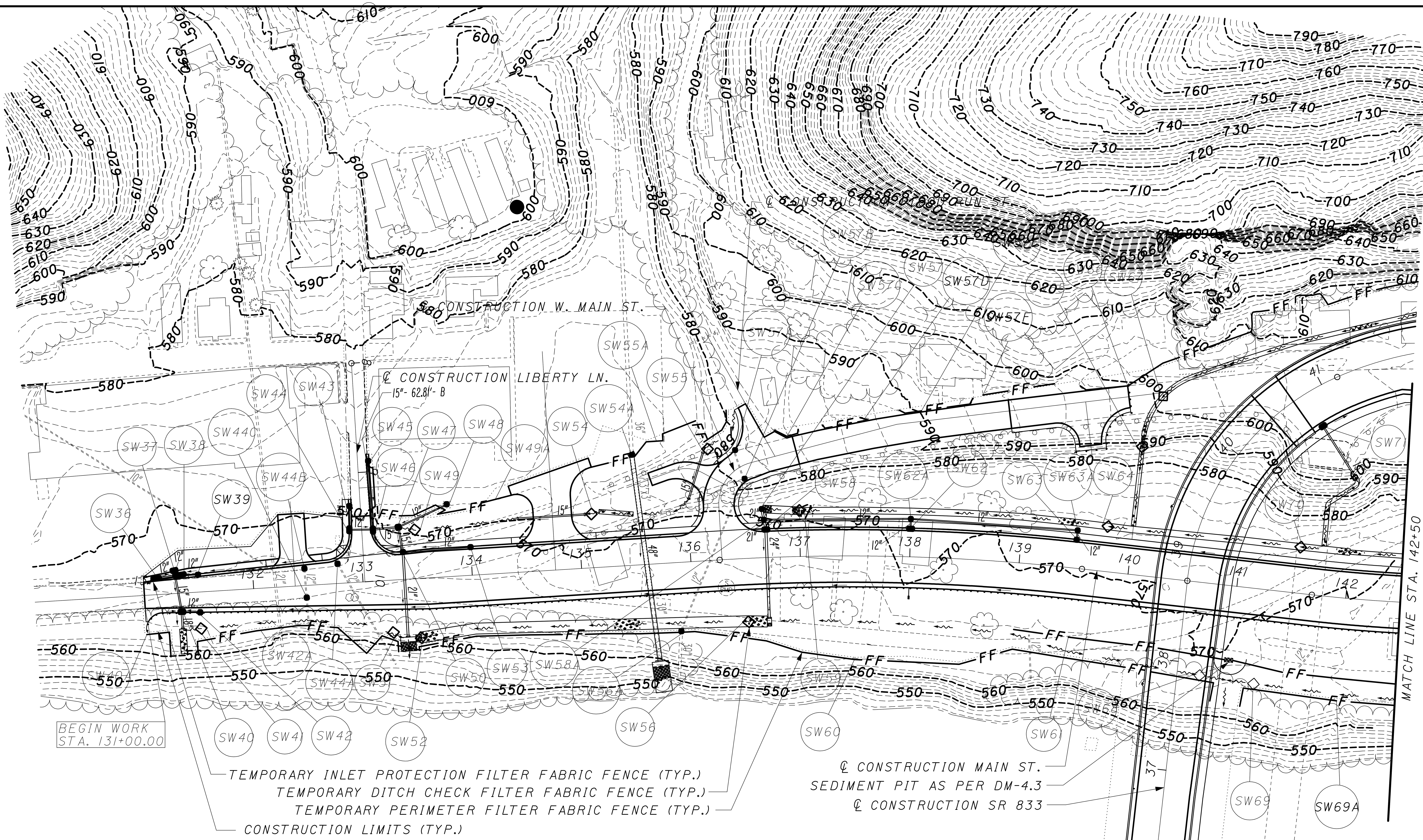
FOR STORM WATER LEGEND, SEE SHEET NO. 108.

HORIZONTAL SCALE IN FEET 0 25 50 100

CALCULATED MHT CHECKED AM

STORM WATER POLLUTION PREVENTION PLAN
STA. 206+25.00 TO STA. 217+00.00

MEG-33-15.70



SW FOR STORM WATER QUANTITIES,
SEE SHEET NOS. 75 & 76.

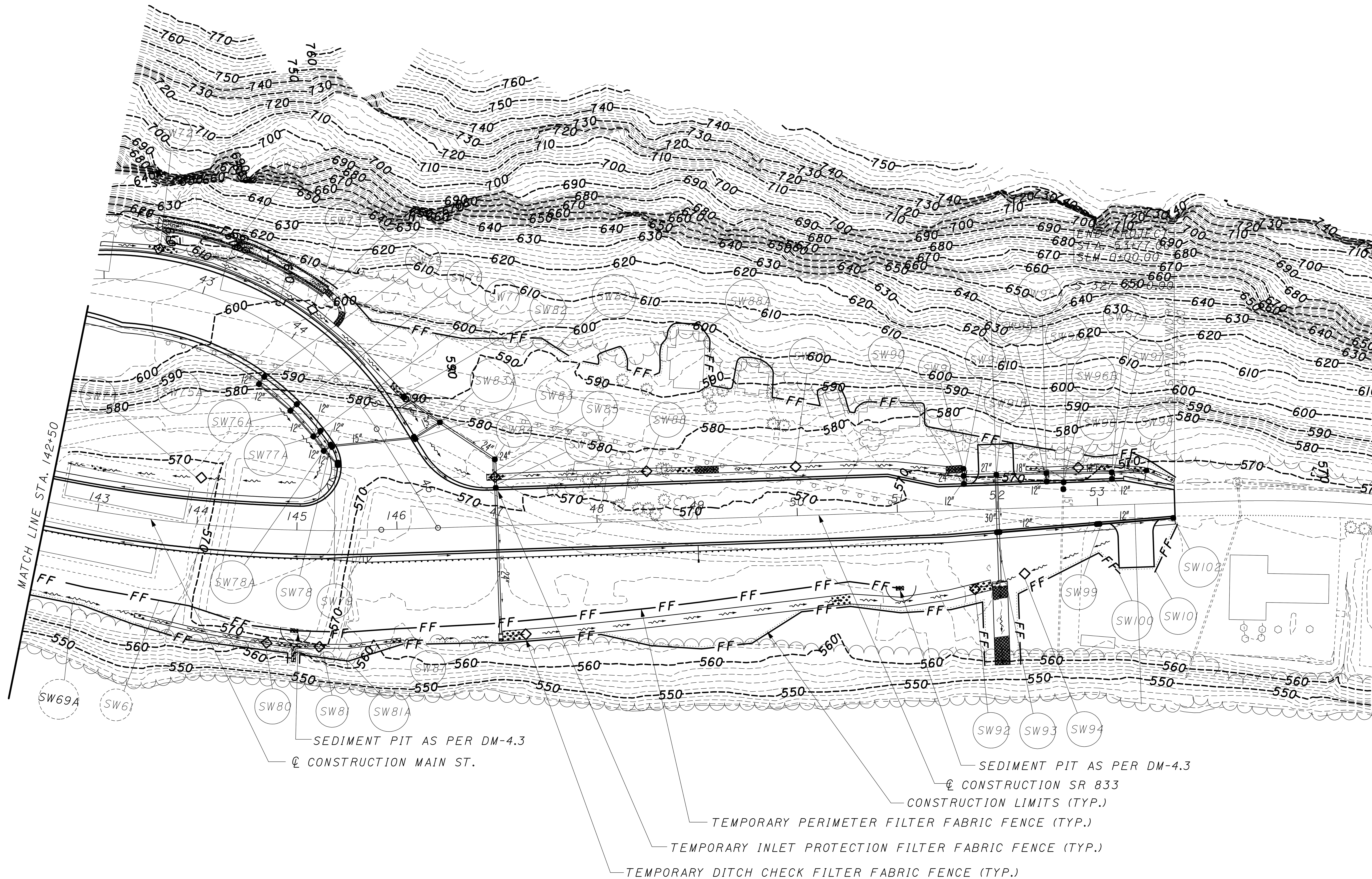
FOR STORM WATER LEGEND,
SEE SHEET NO. 108.

STORM WATER POLLUTION PREVENTION PLAN
STA. 131+00.00 TO STA. 142+50.00

HORIZONTAL SCALE IN FEET: 0 25 50 100

CALCULATED MHT
CHECKED AM

MEG-33-15.70



SW FOR STORM WATER QUANTITIES, SEE SHEET NOS. 76 & 76A.

FOR STORM WATER LEGEND, SEE SHEET NO. 108.

HORIZONTAL SCALE IN FEET 0 25 50 100

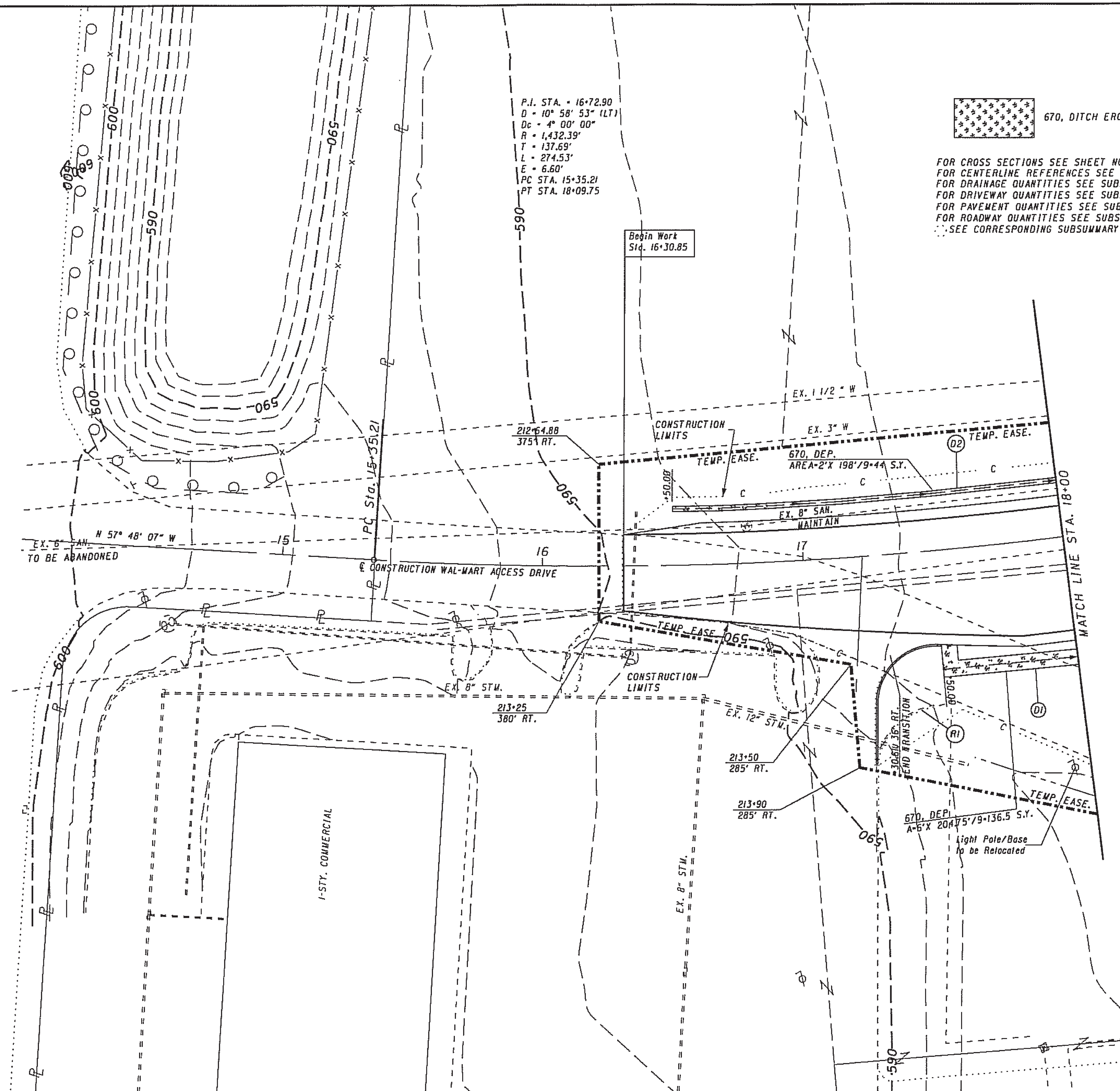
CALCULATED MHT

CHECKED AM

STORM WATER POLLUTION PREVENTION PLAN

STA. 142+50.00 TO STA 53+77.00

MEG-33-15.70



670, DITCH EROSION PROTECTION

FOR CROSS SECTIONS SEE SHEET NO. 149-151
FOR CENTERLINE REFERENCES SEE SHEET NO. 2A
FOR DRAINAGE QUANTITIES SEE SUBSUMMARY SHEET NO. 77-80.
FOR DRIVEWAY QUANTITIES SEE SUBSUMMARY SHEET NO. 73-74.
FOR PAVEMENT QUANTITIES SEE SUBSUMMARY SHEET NO. 83-103.
FOR ROADWAY QUANTITIES SEE SUBSUMMARY SHEET NO. 69-72.
SEE CORRESPONDING SUBSUMMARY SHEET.

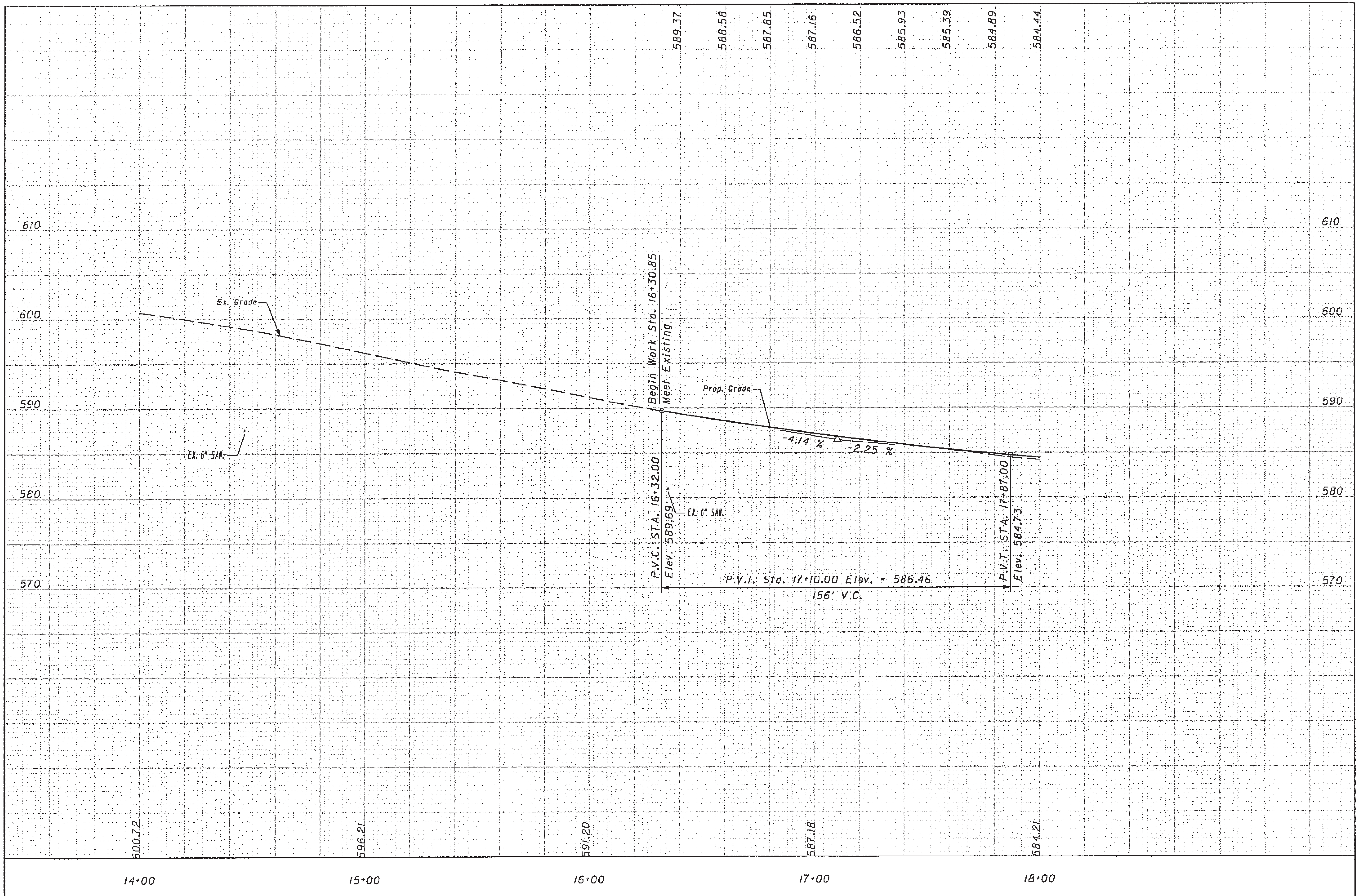
HORIZONTAL SCALE IN FEET

CALCULATED AM CHECKED JCB

PLAN WAL-MART ACCESS DRIVE
STA. 16+30.85 TO STA. 18+00

MEG-33-15.70

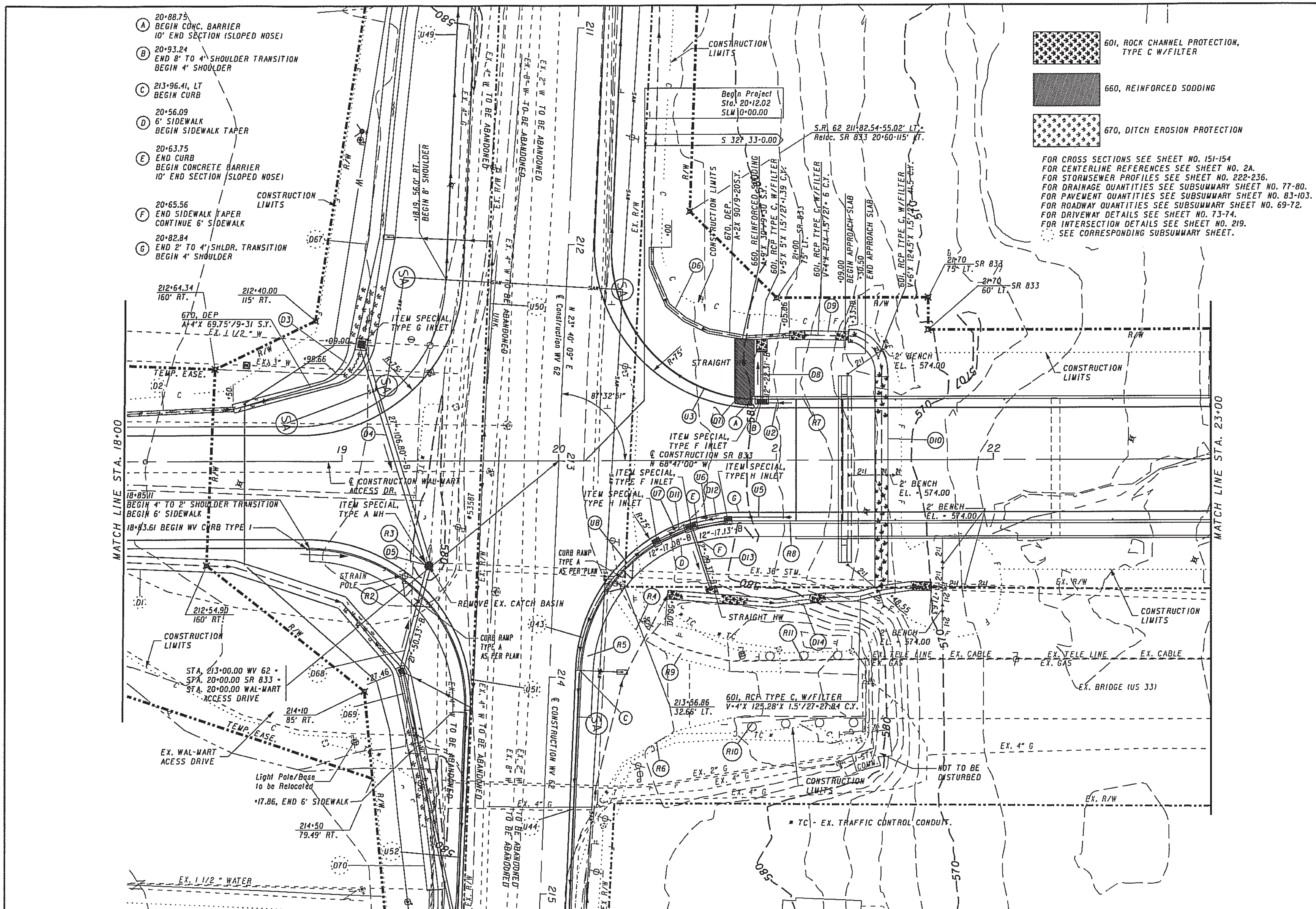
112/582



CALCULATED AU
CHECKED JGB

PROFILE WAL-MART ACCESS DRIVE
STA. 16+30.85 TO STA 18+00.00

MEG-33-15.70

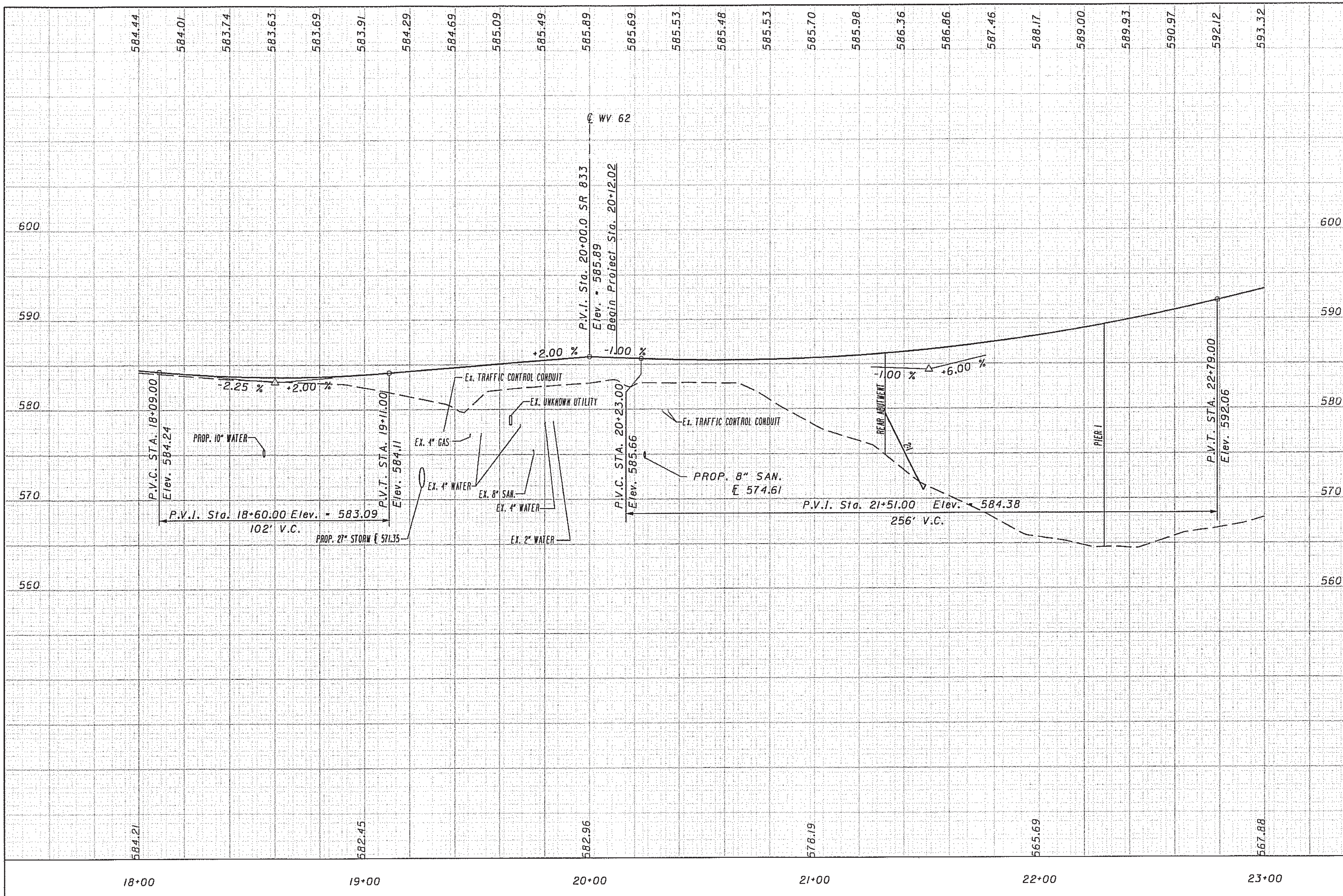


HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED AM CHECKED JCB

PLAN WAL-MART ACCESS DRIVE & SR 833
STA. 18+00 TO 23+00

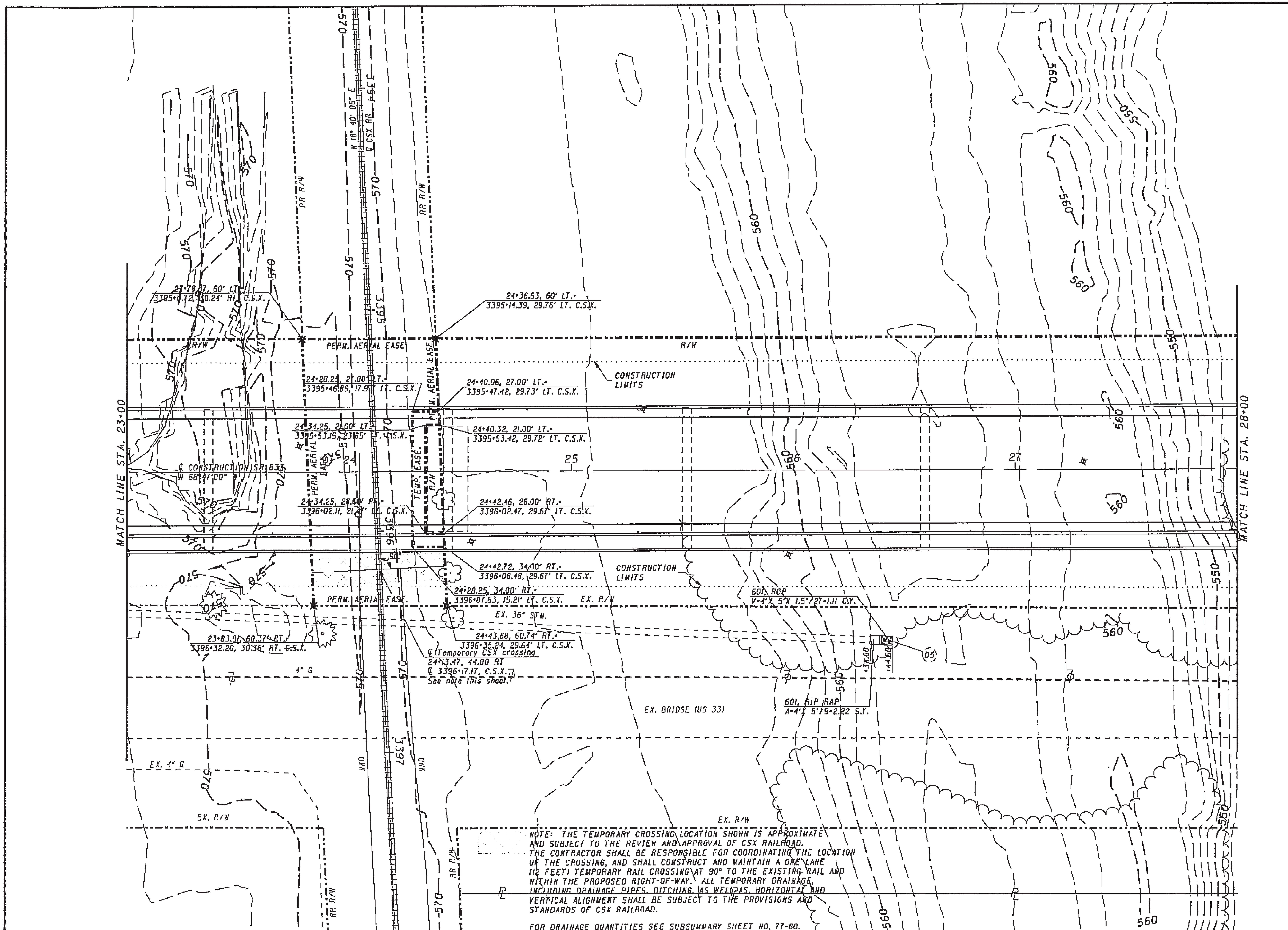
MEG-33-15.70



CALCULATED AM
CHECKED JCB

PROFILE SR 833
STA. 18+00.00 TO STA. 23+00.00

MEG-33-15.70



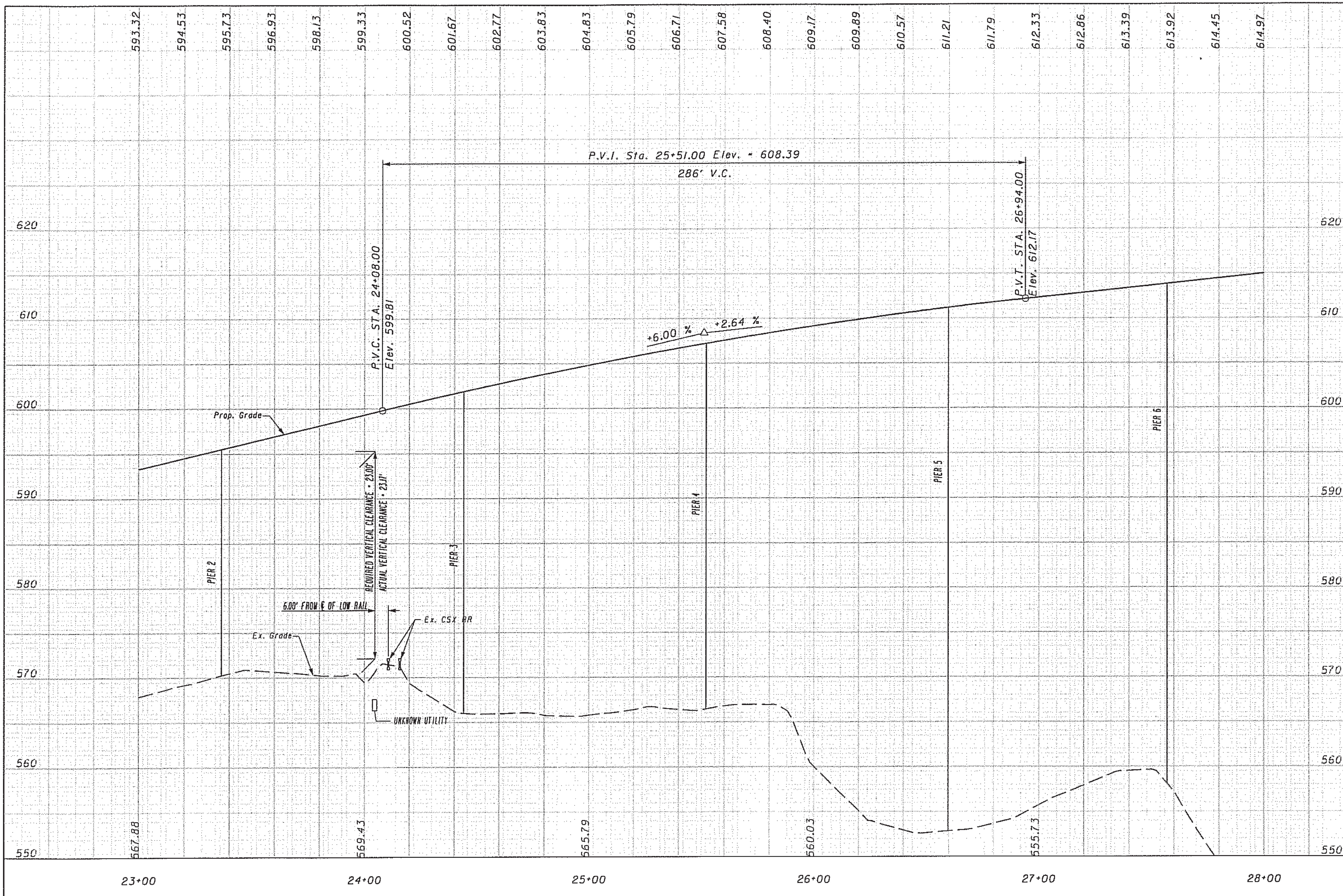
NUMBER	REVISION	DATE:	BY:
1	ADD TEMPORARY RAILROAD CROSSING.	10/30/02	JGB

HORIZONTAL SCALE IN FEET

CALCULATED JGB CHECKED AM

PLAN SR 833
STA. 23+00 TO STA. 28+00

MEG-33-15.70

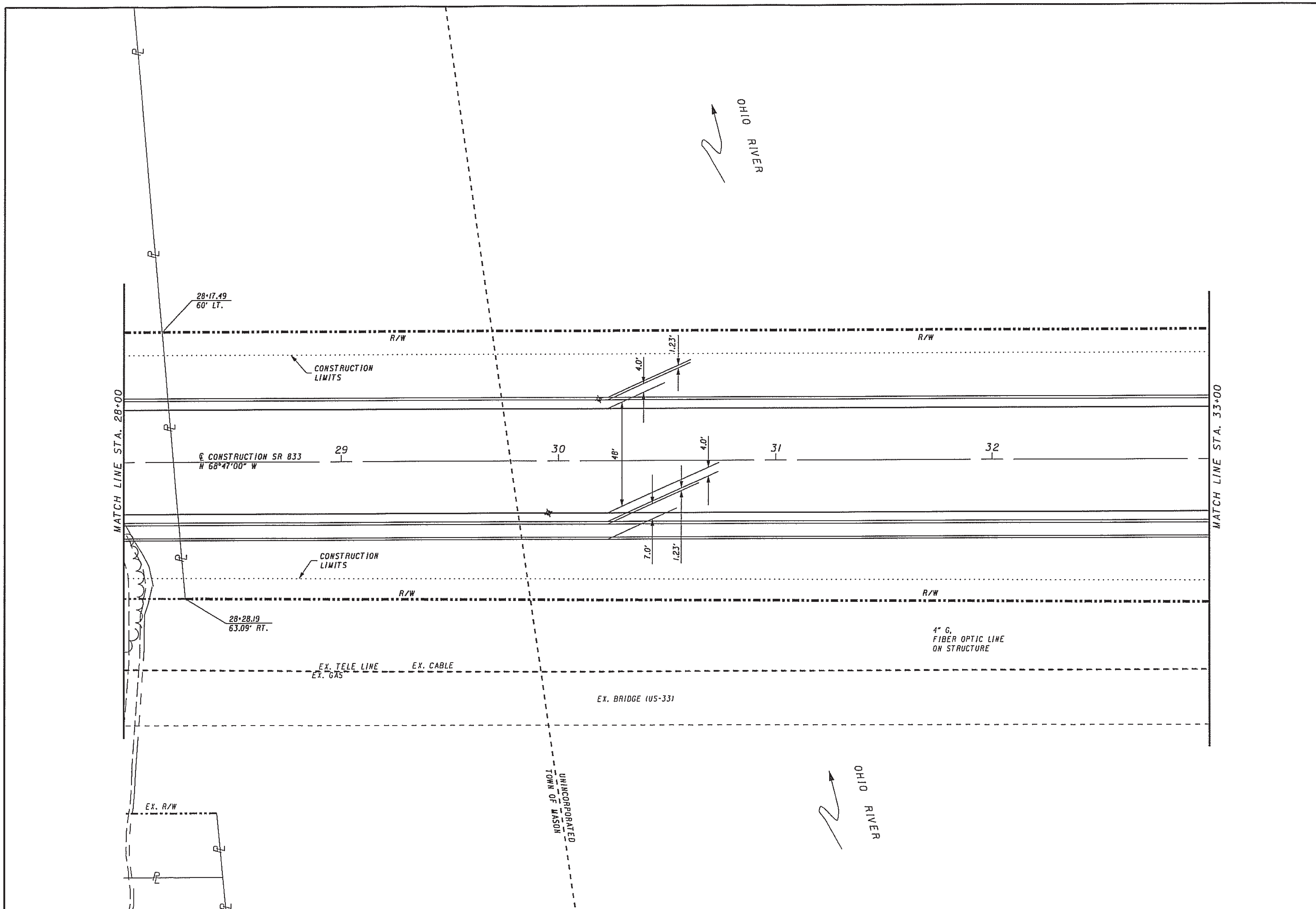


CALCULATED AM
CHECKED JGB

PROFILE SR 833
STA. 23+00.00 TO STA. 28+00.00

MEG-33-15.70

117
582

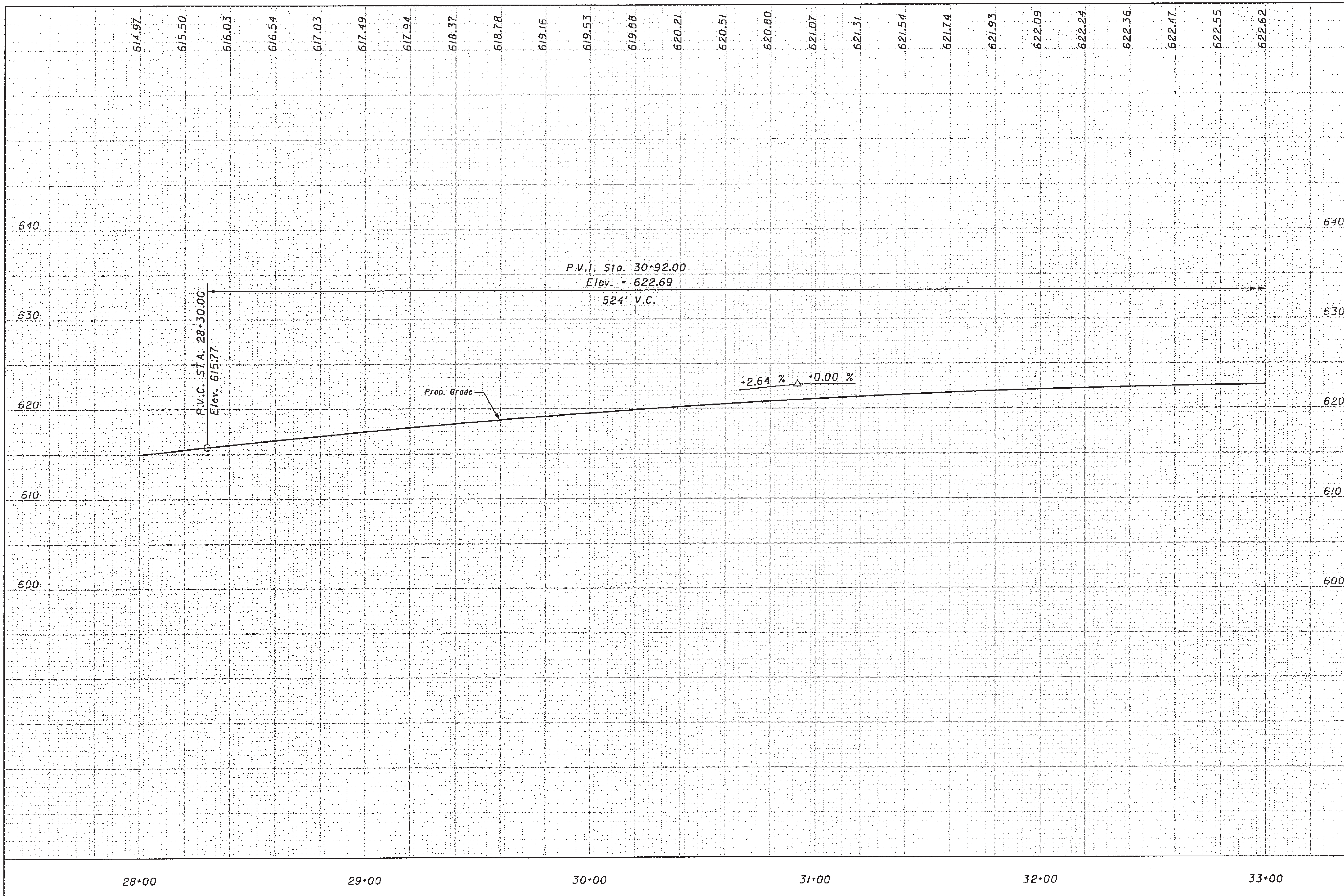


0 10 20 40
HORIZONTAL SCALE IN FEET

CALCULATED AH
CHECKED JGB

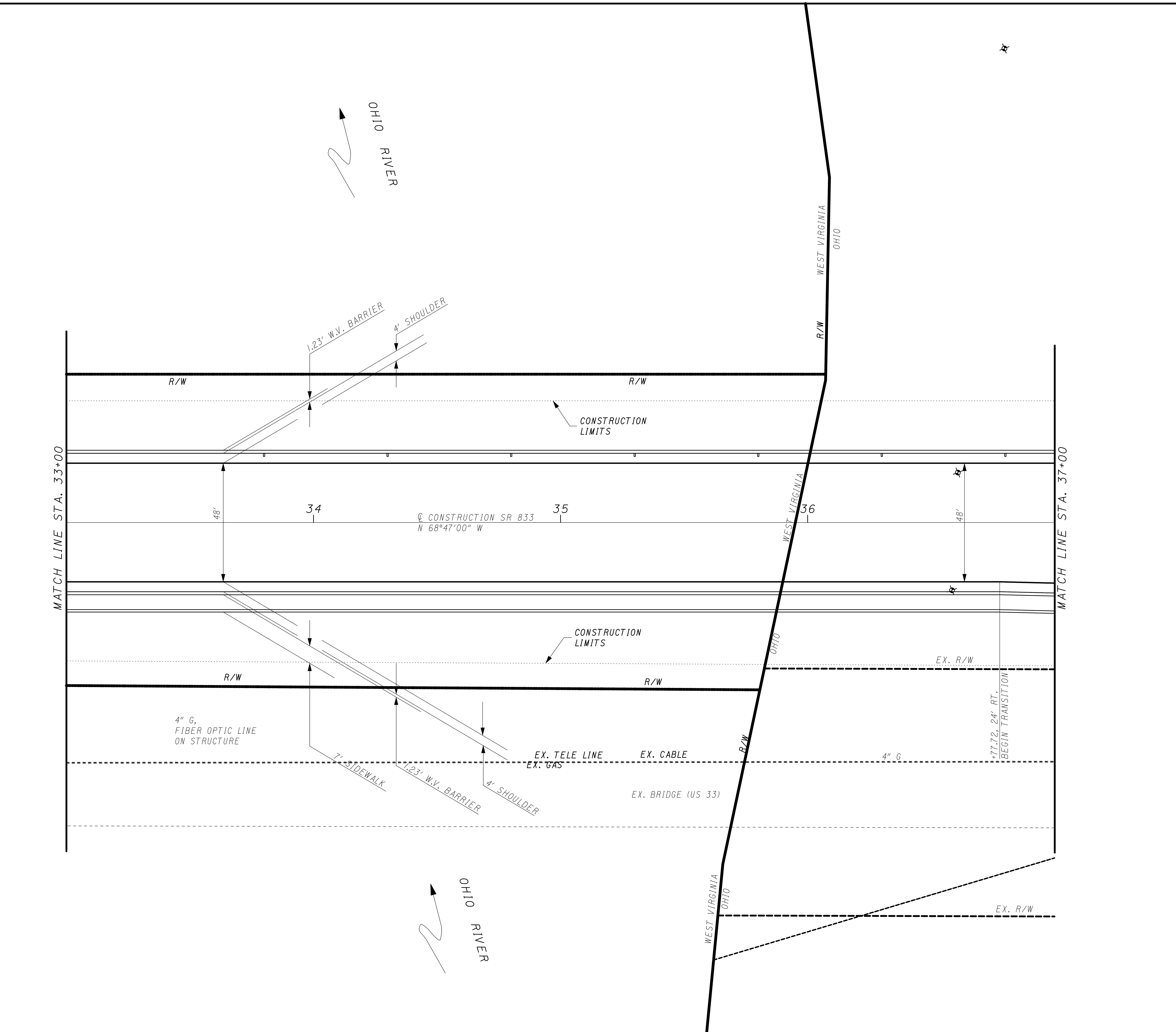
PLAN SR 833
STA. 28+00 TO STA. 33+00

MEG-33-15.70



PROFILE SR 833
STA. 28+00.00 TO STA. 33+00.00

MEG-33-15.70

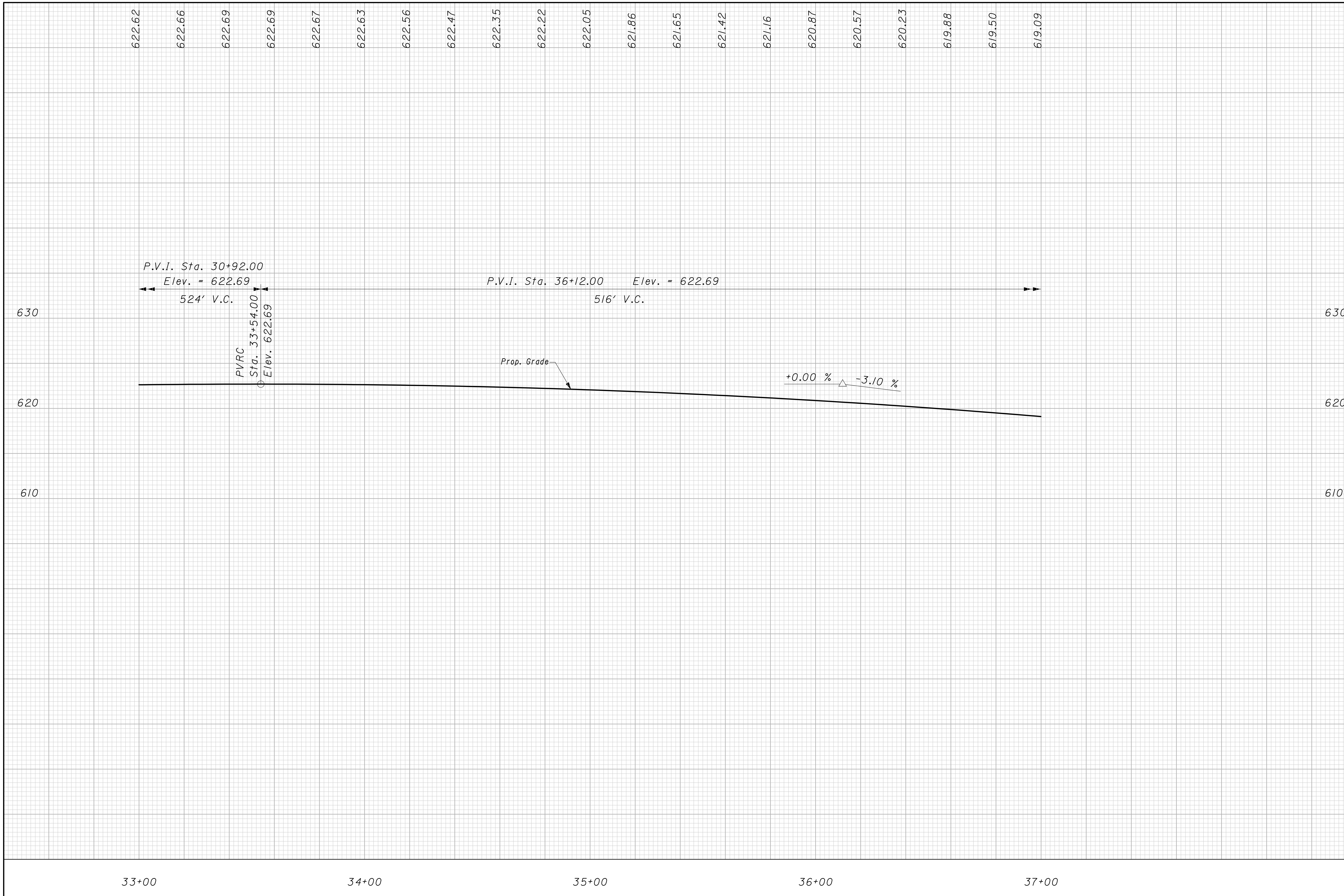


HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED AM
CHECKED JGB

PLAN SR 833
STA. 33+00 TO STA. 37+00

MEG-33-15.70



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CALCULATED AM

CHECKED JGB

PROFILE SR 833

STA. 33+00.00 TO STA. 37+00.00

MEG-33-15.70

BALLOON LEGEND

- CR X — CURB RAMP
- D X — DRAINAGE
- DV X — DRIVEWAY
- GR X — GUARDRAIL OR BARRIER
- R X — REMOVAL
- SW X — SIDEWALK
- U X — UNDERDRAIN

LEGEND

- BUILDING TO BE DEMOLISHED
- 202 - PAVEMENT REMOVED
- 670 - DITCH EROSION PROTECTION
- 601 - ROCK CHANNEL PROTECTION
- 670 - SLOPE EROSION PROTECTION

FOR CROSS SECTIONS SEE SHEET NO. 154-166
FOR CENTERLINE REFERENCES SEE SHEET NO. 2A.
FOR STORMSEWER PROFILES SEE SHEET NO. 223.
FOR DRAINAGE QUANTITIES SEE SUBSUMMARY SHEET NO. 77-80A.
FOR UNDERDRAIN QUANTITIES SEE SUBSUMMARY SHEET NO. 81-82.
FOR PAVEMENT QUANTITIES SEE SUBSUMMARY SHEET NO. 83-103.
FOR ROADWAY QUANTITIES SEE SUBSUMMARY SHEET NO. 69-73.
SEE CORRESPONDING SUBSUMMARY SHEET.
* FOR TRANSITION DETAILS, SEE SHEET NO. 218A.

CURVE DATA

P.I. Sta = 40+07.32
Δ = 59° 51′ 52″ (RT)
Dc = 24° 45′ 00″
R = 231.50′
T = 133.29′
L = 241.88′
E = 35.63′
e_{max} = 0.04

TBM-F ELEV. 572.117, CUT SQUARE TOP OF 8″ STEEL PIPE @ GAS DROP FROM EXISTING BRIDGE. STA. 141+42.06 MAIN ST., 31.0′ RT.

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED
CHECKED

HORIZONTAL SCALE IN FEET 0 10 20 40

PLAN SR 833
STA. 37+00 TO STA. 41+00

MEG-33-15.70

121A
582

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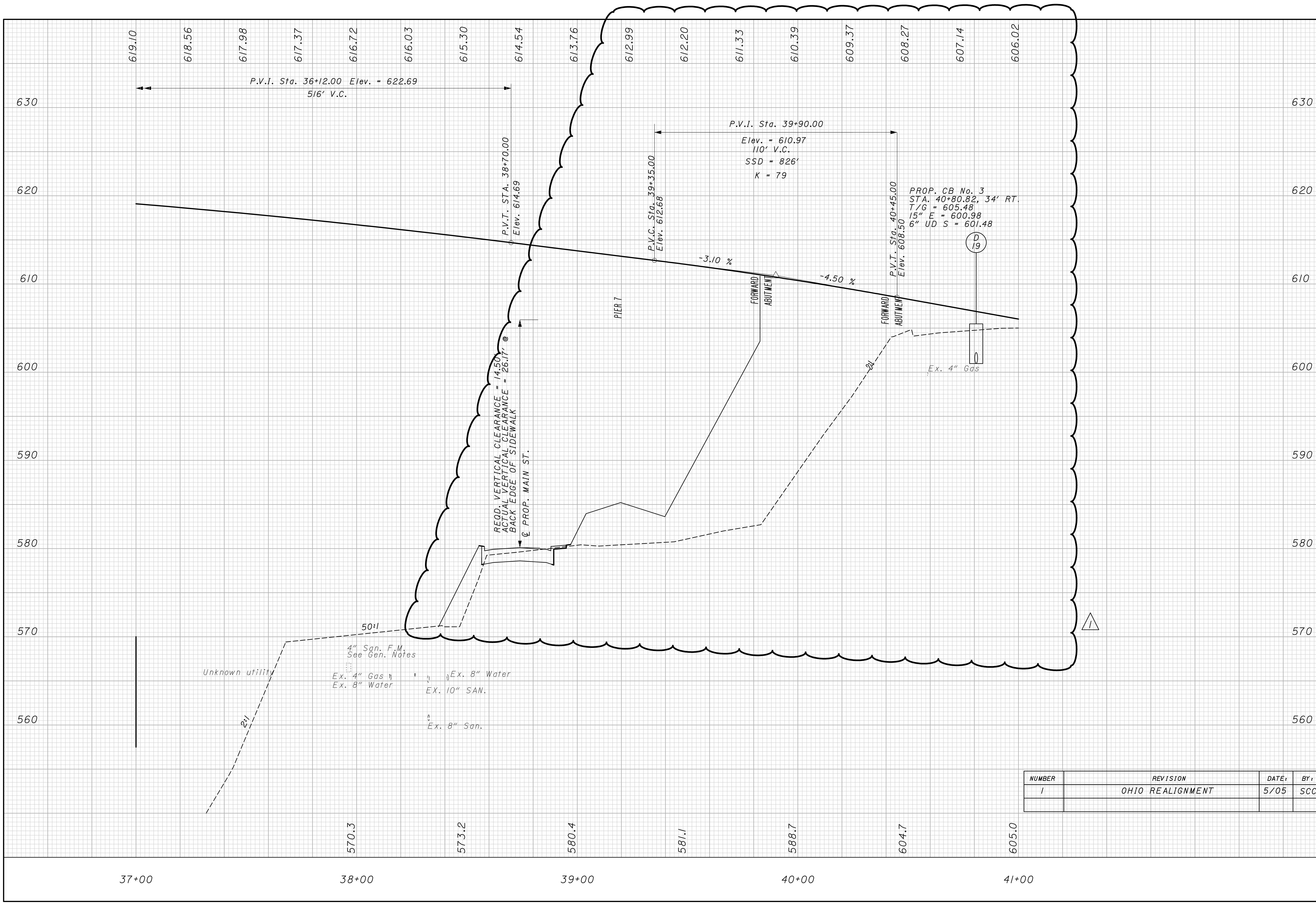

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED AM
CHECKED JGB

PROFILE SR 833
STA. 37+00.00 TO STA. 41+00.00

MEG-33-15.70

121B
582

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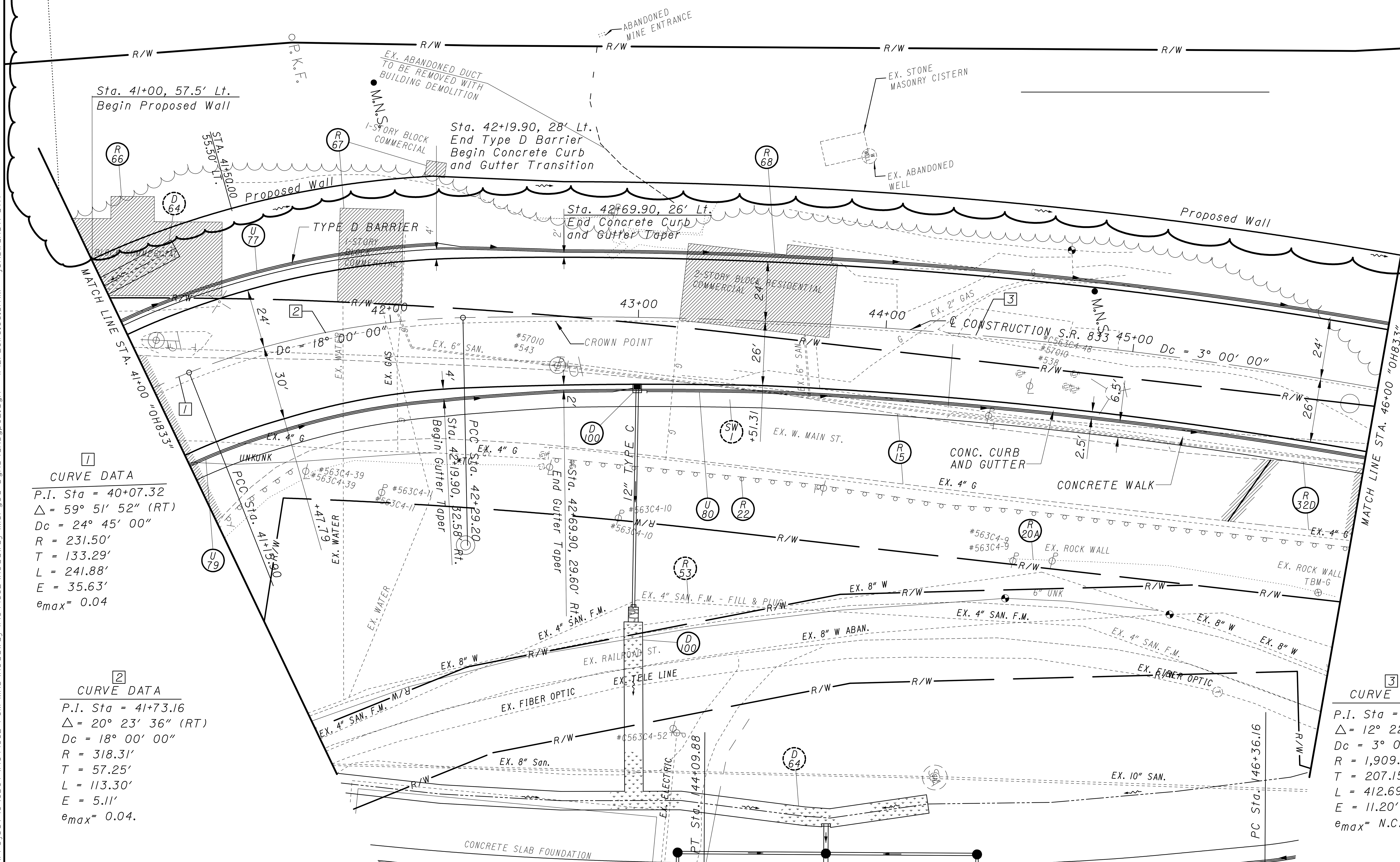
FOR LIMITS OF CONSTRUCTION LEFT,
REFER TO CROSS SECTIONS SHEETS
154B TO 154L.

FOR CROSS SECTIONS SEE SHEET NO. 155-166
FOR CENTERLINE REFERENCES SEE SHEET NO. 2A.
FOR STORM SEWER PROFILES SEE SHEET NO. 223
FOR DRAINAGE QUANTITIES SEE SUBSUMMARY SHEET NO. 77-80.
FOR UNDERDRAIN QUANTITIES SEE SUBSUMMARY SHEET NO. 81-82.
FOR PAVEMENT QUANTITIES SEE SUBSUMMARY SHEET NO. 83-103.
FOR ROADWAY QUANTITIES SEE SUBSUMMARY SHEET NO. 69-73.
FOR LEGEND SEE SHEET NO. 121A
FOR RETAINING WALL SEE SHEET NO. 237-238.
○ SEE CORRESPONDING SUBSUMMARY SHEET.

TBM-G ELEV. 576.245, CUT SQUARE TOP OF STONE AND CONCRETE WALL WEST SIDE OLD MAIN ST. STA. 45+90.09 SR 833, 85.39' RT.



1 CURVE DATA

P.I. Sta = 40+07.32
Δ = 59° 51' 52" (RT)
Dc = 24° 45' 00"
R = 231.50'
T = 133.29'
L = 241.88'
E = 35.63'
e_{max} = 0.04

2 CURVE DATA

P.I. Sta = 41+73.16
Δ = 20° 23' 36" (RT)
Dc = 18° 00' 00"
R = 318.31'
T = 57.25'
L = 113.30'
E = 5.11'
e_{max} = 0.04.

3 CURVE DATA

P.I. Sta = 44+36.35
Δ = 12° 22' 50" (RT)
Dc = 3° 00' 00"
R = 1,909.86'
T = 207.15'
L = 412.69'
E = 11.20'
e_{max} = N.C.

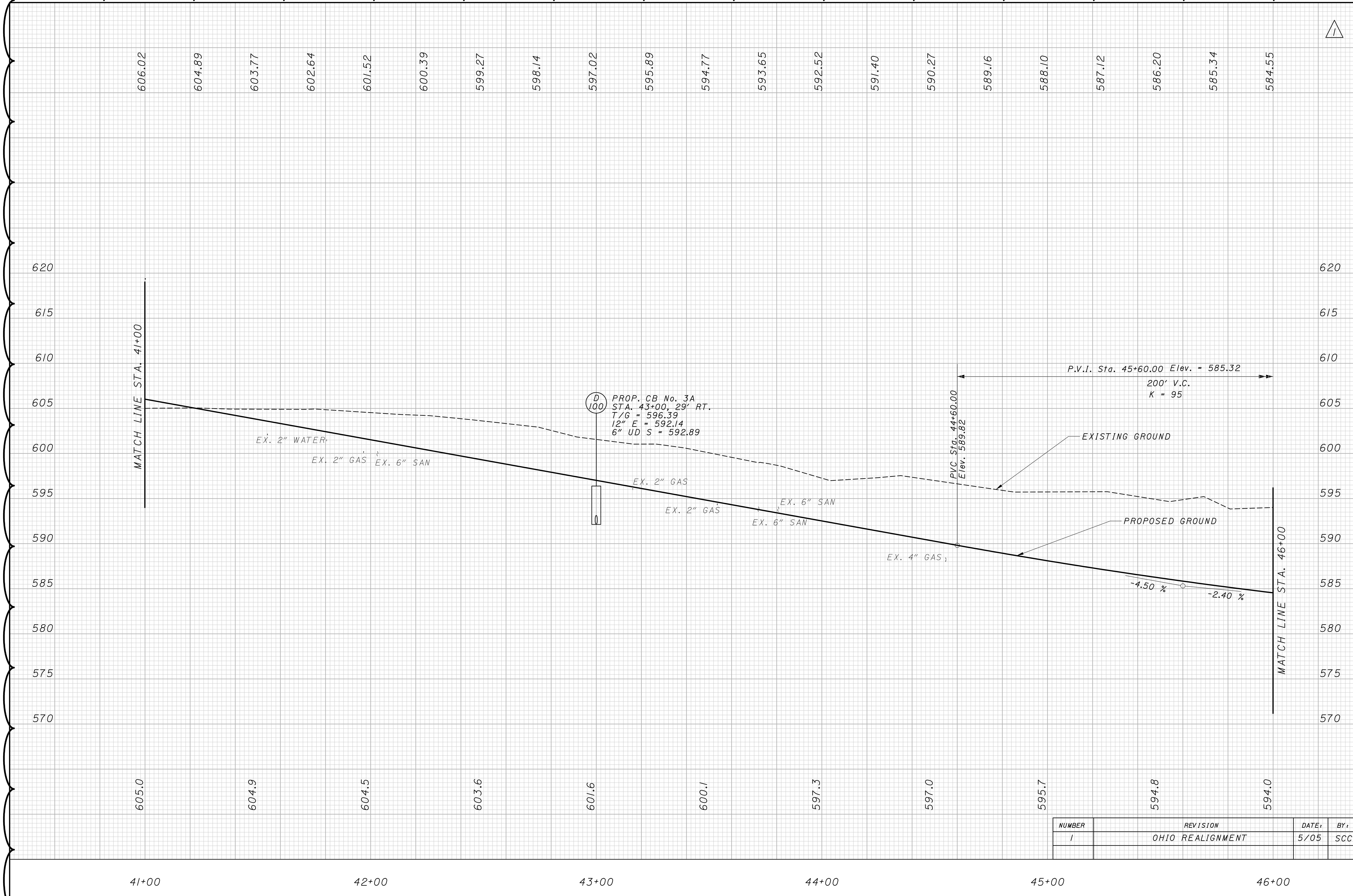
NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC
2	EXTEND ROCK CUT	1/06	SCC
3	ROCK CUT GRADING	4/06	SCC

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED
CHECKED

PLAN SR 833
STA. 41+00 TO STA. 46+00

MEG-33-15.70



NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED
CHECKED

PROFILE SR 833
STA. 41+00 TO STA. 46+00

MEG-33-15.70

121D
582

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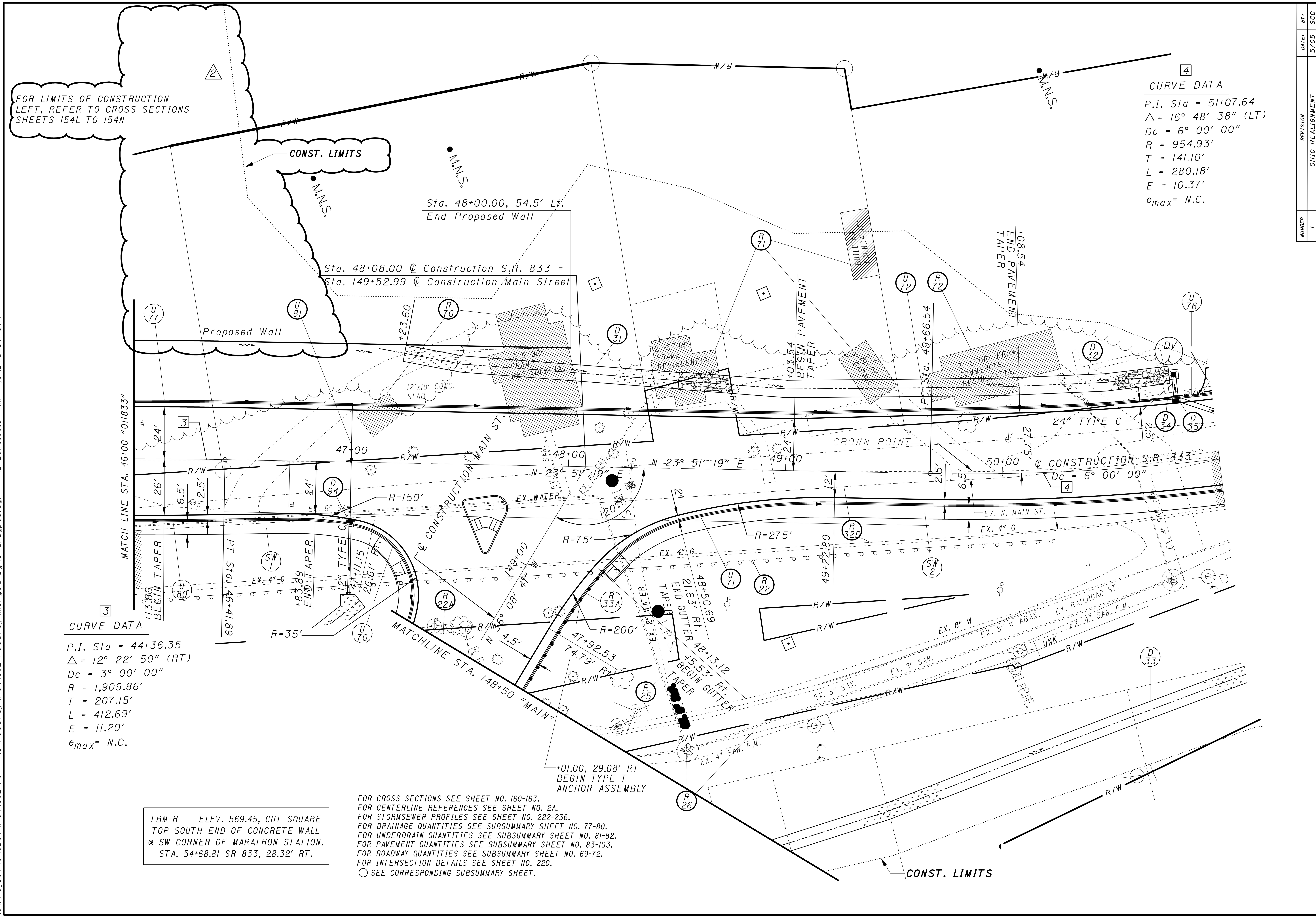
PLAN SR 833
STA. 46+00 TO STA. 51+00

MEG-33-15.70



CURVE DATA

P.I. Sta = 44+36.35
△ = 12° 22' 50" (RT)
Dc = 3° 00' 00"
R = 1,909.86'
T = 207.15'
L = 412.69'
E = 11.20'
e_{max} = N.C.

CURVE DATA

P.I. Sta = 51+07.64
△ = 16° 48' 38" (LT)
Dc = 6° 00' 00"
R = 954.93'
T = 141.10'
L = 280.18'
E = 10.37'
e_{max} = N.C.

TBM-H ELEV. 569.45, CUT SQUARE TOP SOUTH END OF CONCRETE WALL @ SW CORNER OF MARATHON STATION. STA. 54+68.81 SR 833, 28.32' RT.

FOR CROSS SECTIONS SEE SHEET NO. 160-163.
FOR CENTERLINE REFERENCES SEE SHEET NO. 2A.
FOR STORMSEWER PROFILES SEE SHEET NO. 222-236.
FOR DRAINAGE QUANTITIES SEE SUBSUMMARY SHEET NO. 77-80.
FOR UNDERDRAIN QUANTITIES SEE SUBSUMMARY SHEET NO. 81-82.
FOR PAVEMENT QUANTITIES SEE SUBSUMMARY SHEET NO. 83-103.
FOR ROADWAY QUANTITIES SEE SUBSUMMARY SHEET NO. 69-72.
FOR INTERSECTION DETAILS SEE SHEET NO. 220.
○ SEE CORRESPONDING SUBSUMMARY SHEET.

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC
2	ROCK CUT GRADING	4/06	

CALCULATED
CHECKED

HORIZONTAL SCALE IN FEET 0 10 20 40

121E
582

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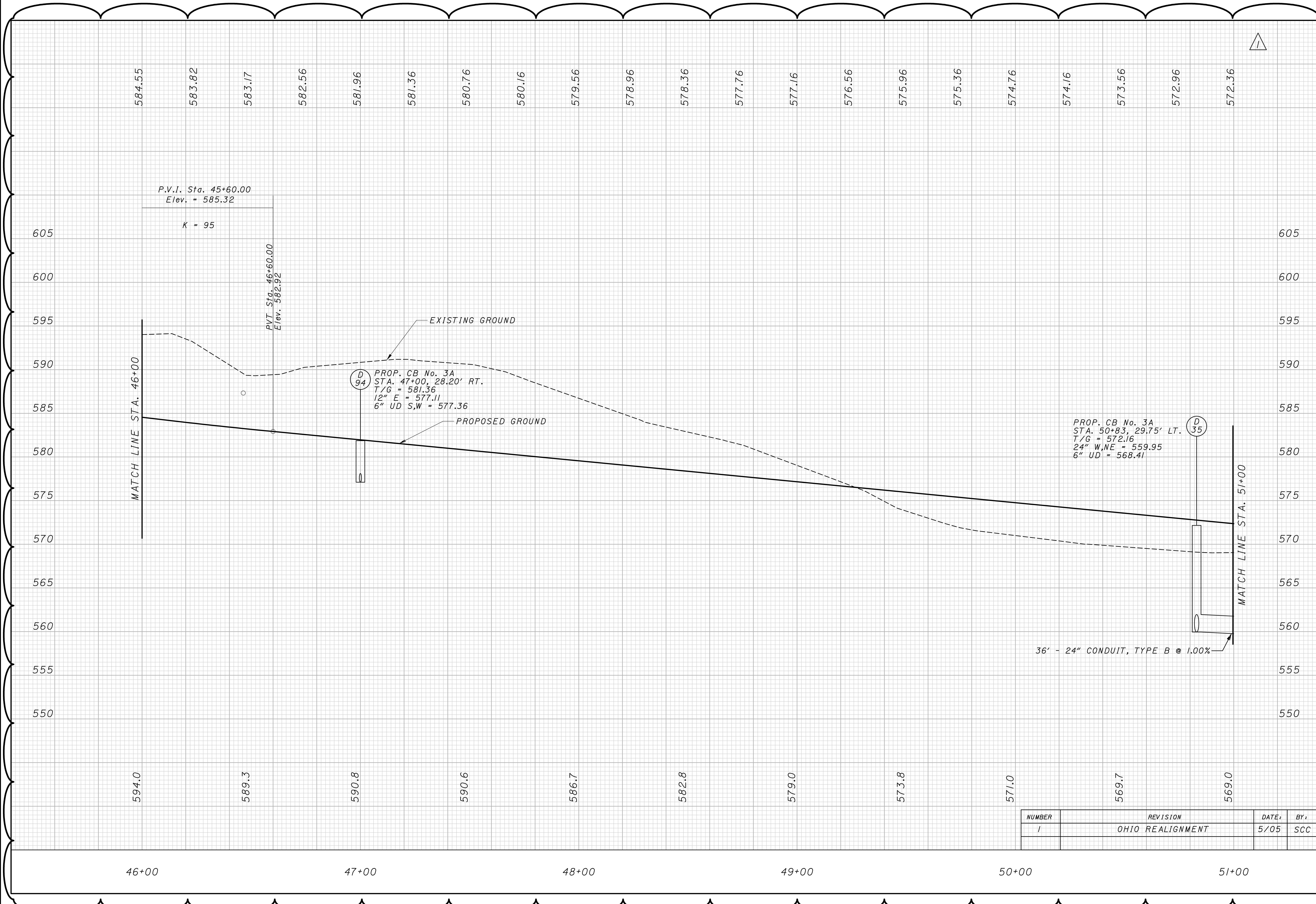

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED

CHECKED

PROFILE SR 833

STA. 46+00 TO STA. 51+00

MEG-33-15.70

121F
582

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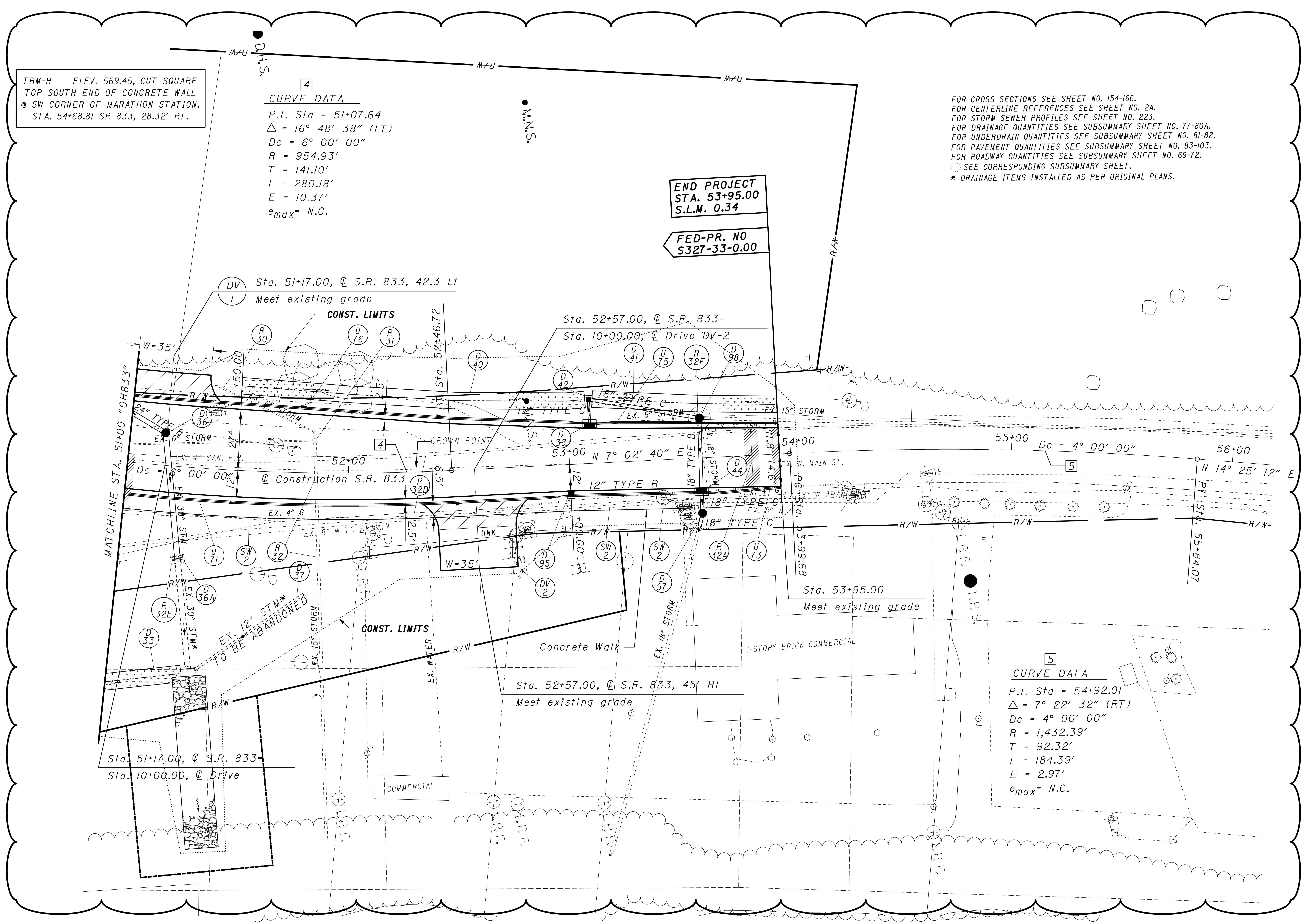
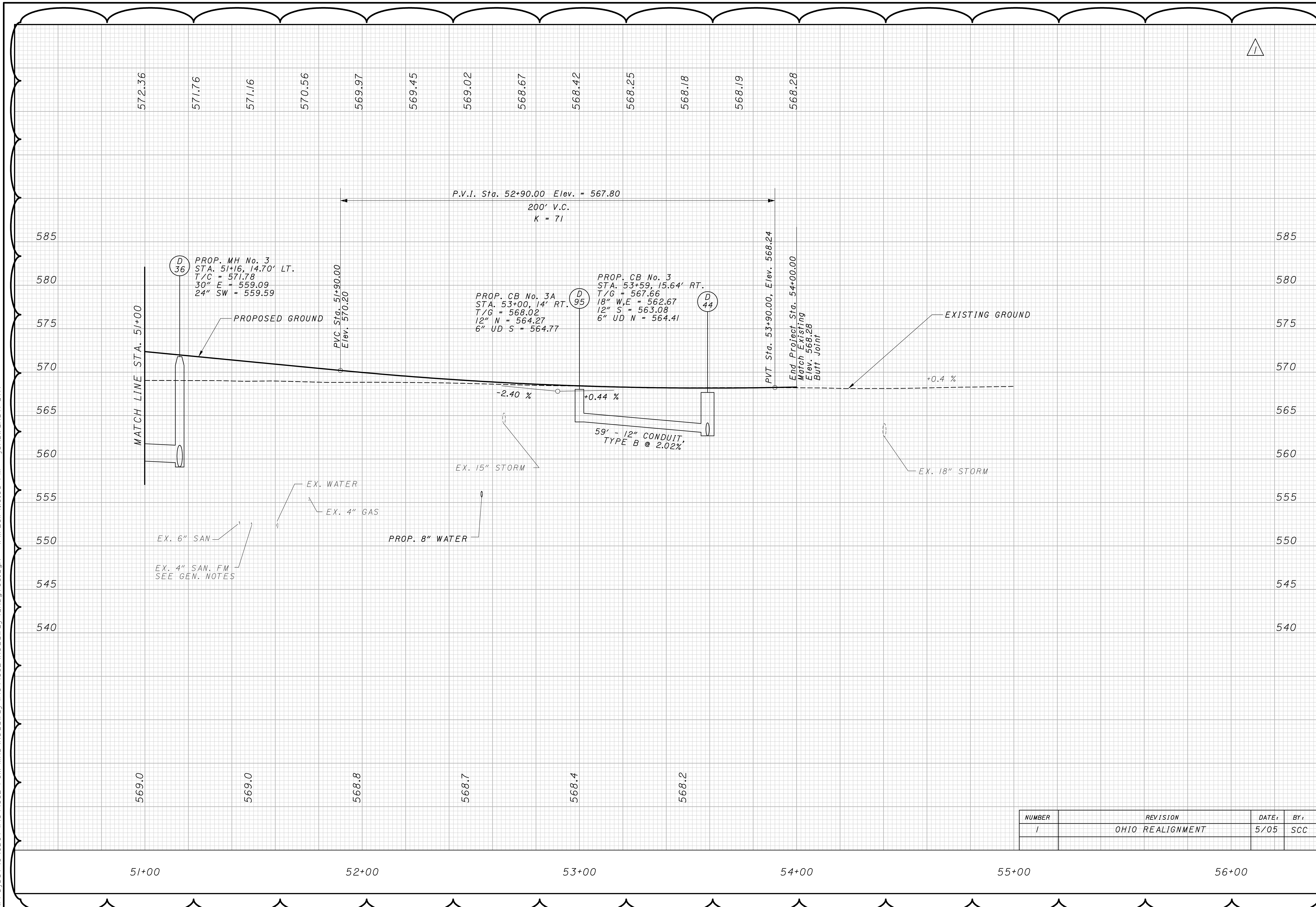


NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED
CHECKED

PLAN SR 833
STA. 51+00 TO STA. 56+00

MEG-33-15.70



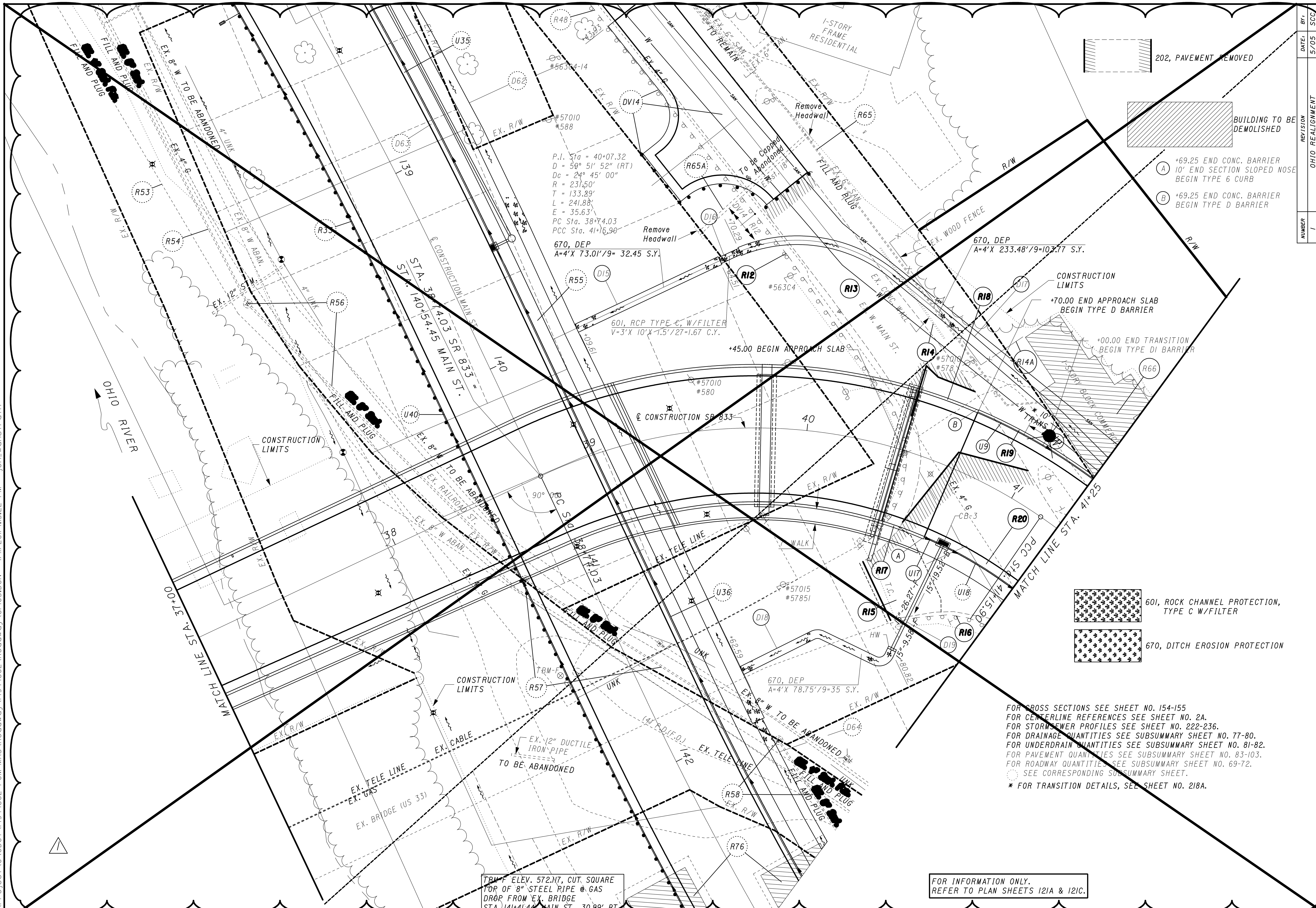
NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED

CHECKED

PROFILE SR 833
STA. 51+00 TO STA. 56+00

MEG-33-15.70



TBM-F ELEV. 572.117, CUT SQUARE TOP OF 8" STEEL PIPE @ GAS DROP FROM EX. BRIDGE STA. 141+41.44, MAIN ST., 30.99' RT.

FOR INFORMATION ONLY.
REFER TO PLAN SHEETS 121A & 121C.

FOR CROSS SECTIONS SEE SHEET NO. 154-155
FOR CENTERLINE REFERENCES SEE SHEET NO. 2A.
FOR STORMSEWER PROFILES SEE SHEET NO. 222-236.
FOR DRAINAGE QUANTITIES SEE SUBSUMMARY SHEET NO. 77-80.
FOR UNDERDRAIN QUANTITIES SEE SUBSUMMARY SHEET NO. 81-82.
FOR PAVEMENT QUANTITIES SEE SUBSUMMARY SHEET NO. 83-103.
FOR ROADWAY QUANTITIES SEE SUBSUMMARY SHEET NO. 69-72.
SEE CORRESPONDING SUBSUMMARY SHEET.
* FOR TRANSITION DETAILS, SEE SHEET NO. 218A.

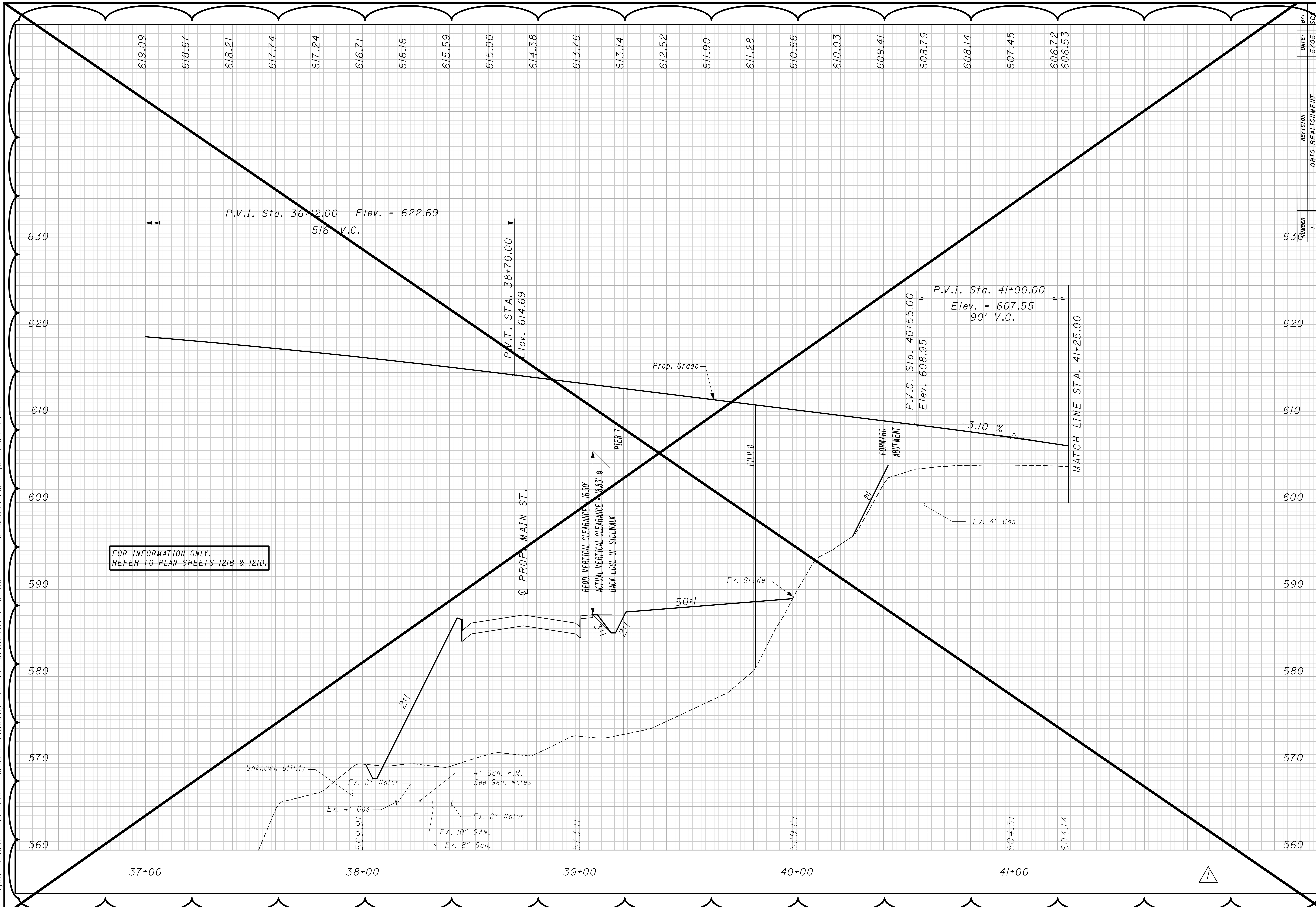
NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED AM · CHECKED JGB

HORIZONTAL SCALE IN FEET (0 10 20 40)

PLAN SR 833
STA. 37+00 TO STA. 41+25

MEG-33-15.70

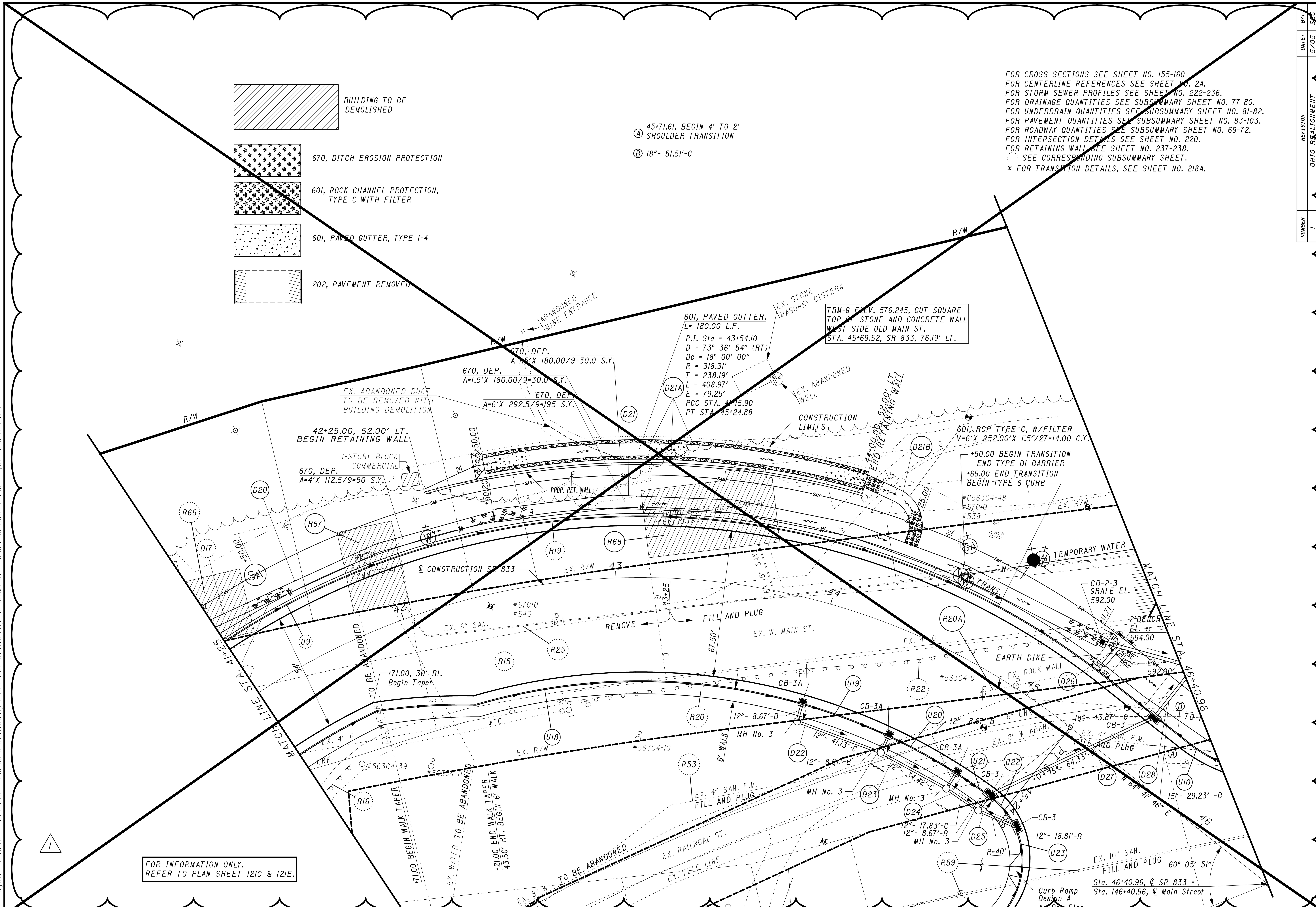


NUMBER | DATE | BY | REVISION
1 | 5/05 | SC | OHIO REALIGNMENT

CALCULATED AM
CHECKED JGB

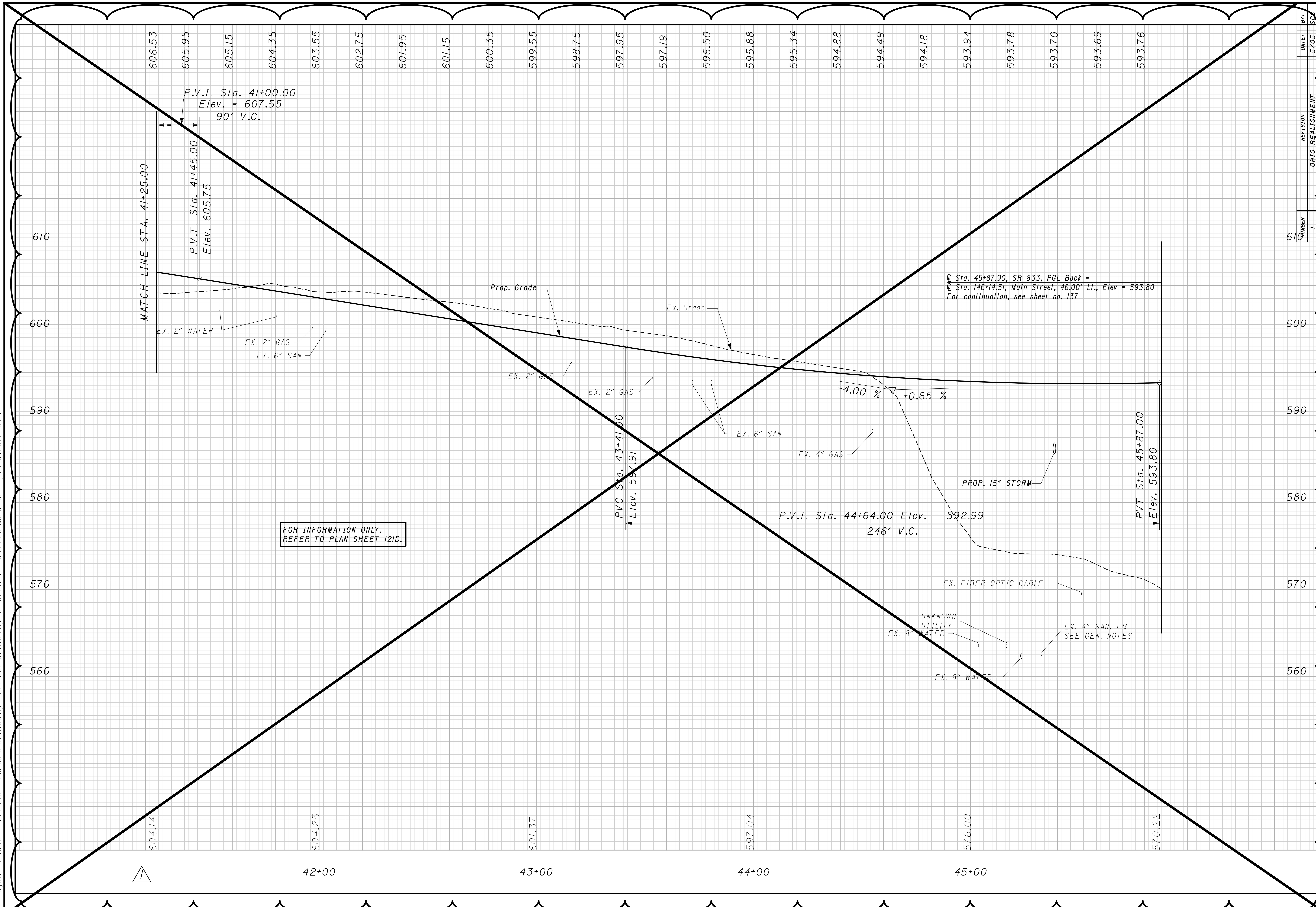
PROFILE SR 833
STA. 37+00.00 TO STA. 41+25.00

MEG-33-15.70



PLAN SR 833
STA. 41+25 TO STA. 46+40.96

MEG-33-15.70



NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED AM
CHECKED JGB

PROFILE SR 833
STA. 41+25.00 TO STA. 45+87.00

MEG-33-15.70

125
582

J:\Project\O\ODOT\4944862 POM-MAS\Roadway\4944862\Roadway\GF106.DGN - 1/11/2011 4:15:11 PM - jon_wanstrath

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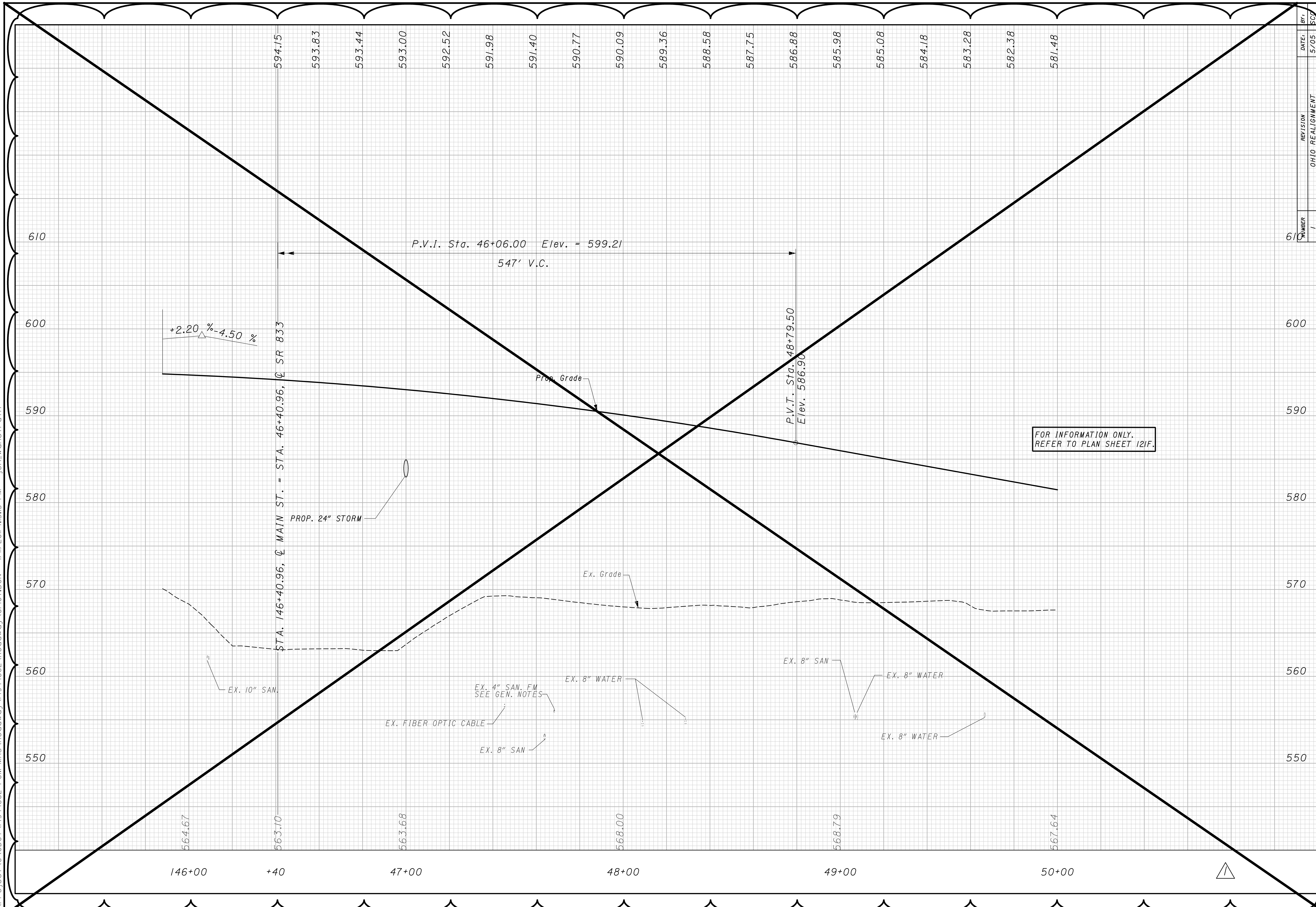

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCO

CALCULATED AM
CHECKED JGB

PROFILE SR 833
STA. 46+40.96 TO STA. 50+00.00

MEG-33-15.70

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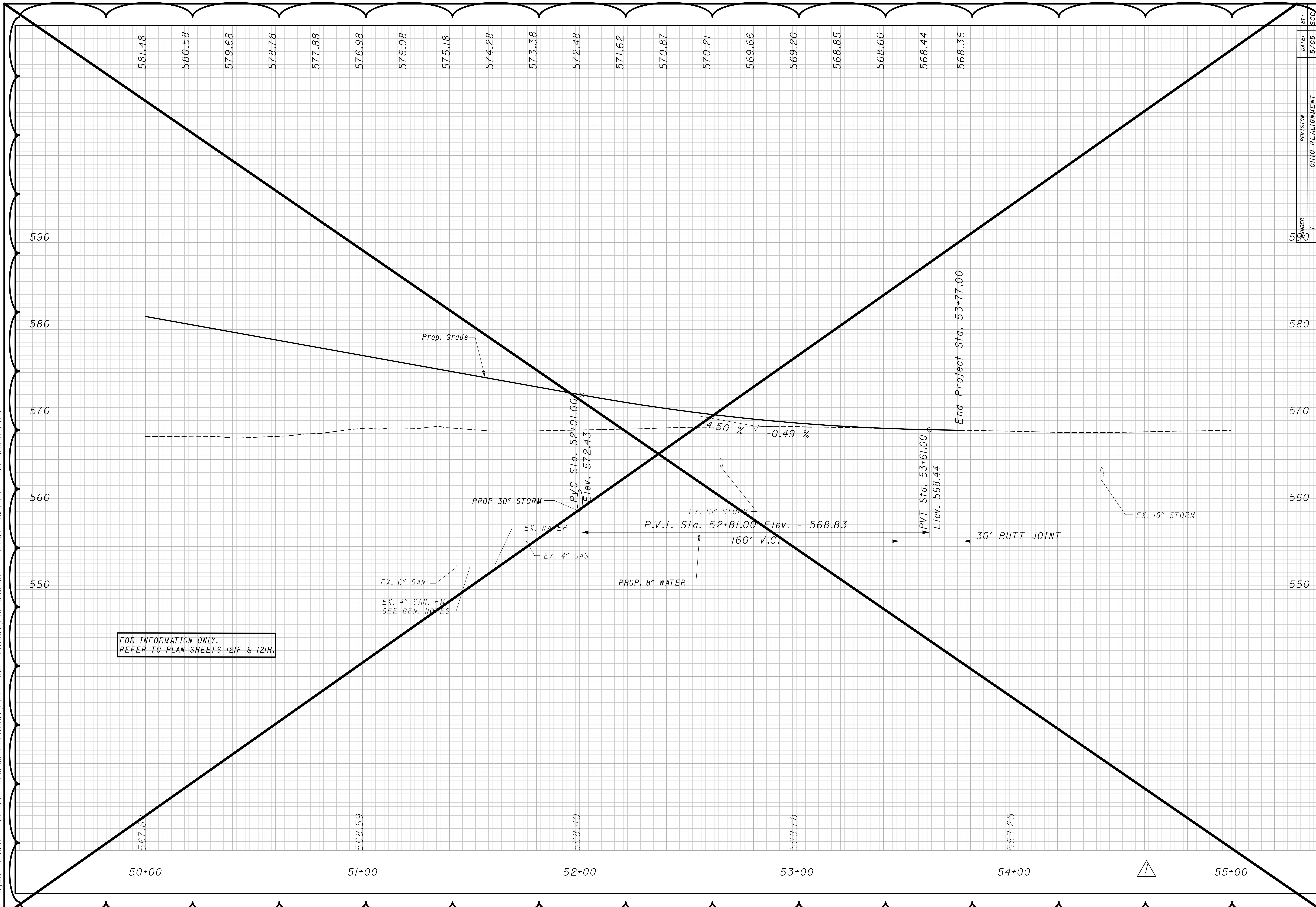
FOR CROSS SECTIONS SEE SHEET NO. 163-166.
FOR CENTERLINE REFERENCES SEE SHEET NO. 2A.
FOR STORM SEWER PROFILES SEE SHEET NO. 222-236.
FOR DRAINAGE QUANTITIES SEE SUBSUMMARY SHEET NO. 77-80.
FOR UNDERDRAIN QUANTITIES SEE SUBSUMMARY SHEET NO. 81-82.
FOR PAVEMENT QUANTITIES SEE SUBSUMMARY SHEET NO. 83-103.
FOR ROADWAY QUANTITIES SEE SUBSUMMARY SHEET NO. 69-72.
FOR INTERSECTION DETAILS SEE SHEET NO. 220.
SEE CORRESPONDING SUBSUMMARY SHEET.
BUILDING TO BE DEMOLISHED
670, DITCH EROSION PROTECTION
601, ROCK CHANNEL PROTECTION, TYPE C WITH FILTER
202, PAVEMENT REMOVED
TBM-H, ELEV. 569.449, CUT SQUARE TOP SOUTH END OF CONCRETE WALL @ SW CORNER OF MARATHON STATION STA. 55+49.12, 28.33' RT.
FOR INFORMATION ONLY. REFER TO PLAN SHEETS 121F & 121G.
End Project Sta. 53+77.00 SLM 0+00.00
S 327 33-0.00
P.I. Sta = 55+41.92
D = 9° 49' 17" (RT)
Dc = 4° 00' 00"
R = 1,432.39'
T = 123.07'
L = 245.53'
E = 5.28'
PC STA. 54+18.86
PT STA. 56+64.39
BUILDING TO BE DEMOLISHED, AS PER PLAN
2-STORY FRAME COMMERCIAL RESIDENTIAL
CONSTRUCTION LIMITS
TEMPORARY WATER
+41.33, 24' LT. END TAPER
670, DEP. A=6'X 49.5'/9=33 S.Y.
670, DEP. A=4'X 72'/9=32 S.Y.
670, DEP. A=4'X 27'/9=12 S.Y.
SUSPEND WORK STA. 53+77.00
+77.00, 13.22' LT. END TRANSITION
FILL AND PLUG
STA. 10+00.00 ℄ DRIVE = STA. 52+00.00 SR 833 ℄ CONSTRUCTION SR 833 N 4°35'56" E
CURB TRANSITION 6" TO 0" IN 10.00'
30' BUTT JOINT
PC Sta. 54+18.86
EX. W. MAIN ST.
EX. RAILROAD ST.
EX. 8" W TO BE ABANDONED
+49.00, 24' RT. BEGIN TRANSITION TAPER LENGTH= 228'
STA. 10+00.00 ℄ DRIVE = STA. 53+36.96 SR 833
MATCHLINE STA. 50+00
601, RIP RAP A=15'X 5'/9= 8.33 S.Y.
601, RCP TYPE C, W/FILTER V=15'X 78'X 1.5'/27=65 C.Y.
1-STORY BRICK COMMERCIAL
COMMERCIAL
OHIO RIVER
R/W
HORIZONTAL SCALE IN FEET
OHIO REALIGNMENT
CALCULATED AM
CHECKED JGB
5/05 SCC
PLAN SR 833
STA. 50+00 TO STA. 53+77
MEG-33-15.70
128/582
J:\Project\O\ODOT\4944862 POM-MAS\Roadway\4944862\Roadway\GP108.DGN - 1/11/2011 4:15:36 PM - jon_wanstrath



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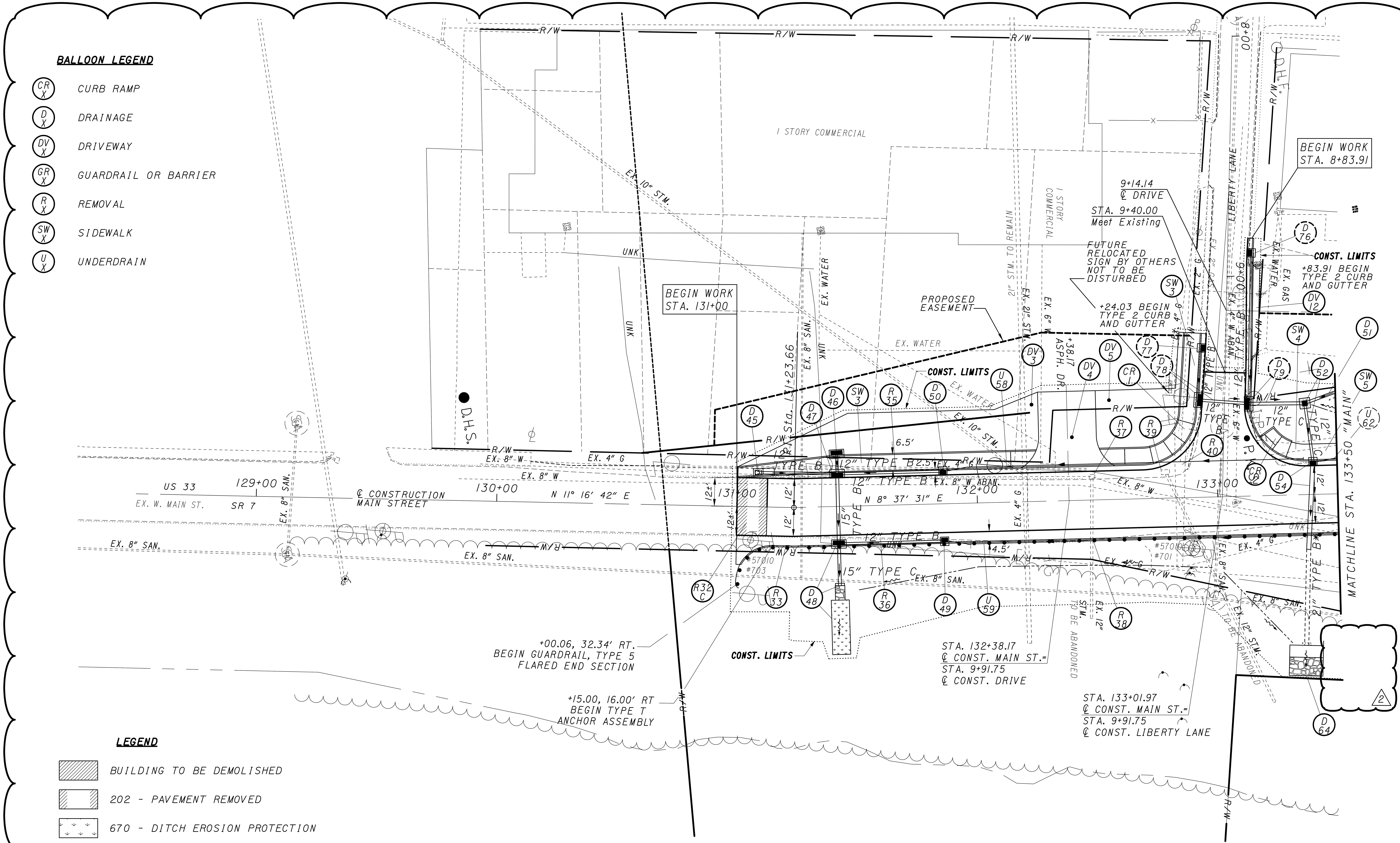
NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED AM
CHECKED JGB

PROFILE SR 833
STA. 50+00.00 TO STA. 53+77.00

MEG-33-15.70



LEGEND

- BUILDING TO BE DEMOLISHED
- 202 - PAVEMENT REMOVED
- 670 - DITCH EROSION PROTECTION
- 601 - ROCK CHANNEL PROTECTION
- 670 - SLOPE EROSION PROTECTION

TBM-E ELEV. 568.90
CUT SQUARE, EAST SIDE OF VALVE VAULT, SANITARY LIFT STATION
STA. 136+33.26 MAIN ST., 48.4' RT.

FOR CROSS SECTIONS SEE SHEET NO. 166A-182
FOR CENTERLINE REFERENCES SEE SHEET NO. 2A.
FOR STORMSEWER PROFILES SEE SHEET NO. 222.
FOR DRAINAGE QUANTITIES SEE SUBSUMMARY SHEET NO. 77-80.
FOR PAVEMENT QUANTITIES SEE SUBSUMMARY SHEET NO. 83-103.
FOR ROADWAY QUANTITIES SEE SUBSUMMARY SHEET NO. 69-72A.
FOR DRIVEWAY QUANTITIES SEE SUBSUMMARY SHEET NO. 73-74.
FOR UNDERDRAIN QUANTITIES SEE SUBSUMMARY SHEET NO. 81-82.
FOR DRIVEWAY DETAILS SEE SHEET NO. 208.
FOR INTERSECTION DETAILS SEE SHEET NO. 219.

SEE CORRESPONDING SUBSUMMARY SHEET.
* PORTIONS OF DRAINAGE ITEMS INSTALLED AS PER ORIGINAL PLANS.

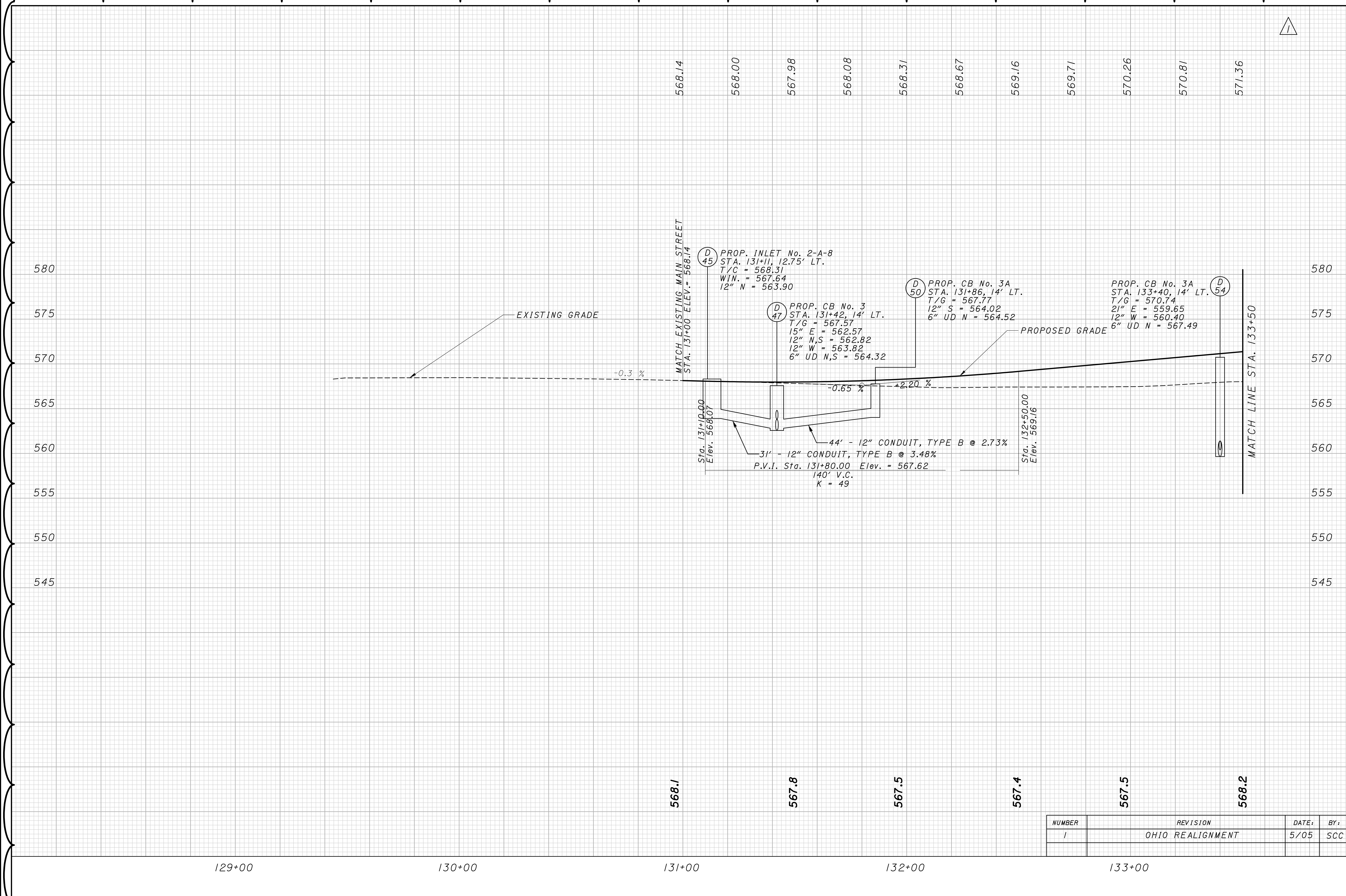
NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC
2	SALVAGE PUMP STATION	1/06	SCC

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED
CHECKED

PLAN MAIN STREET
STA. 129+00 TO STA. 133+50

MEG-33-15.70



CALCULATED
CHECKED

PROFILE MAIN STREET
STA. 129+00 TO STA. 133+50

MEG-33-15.70

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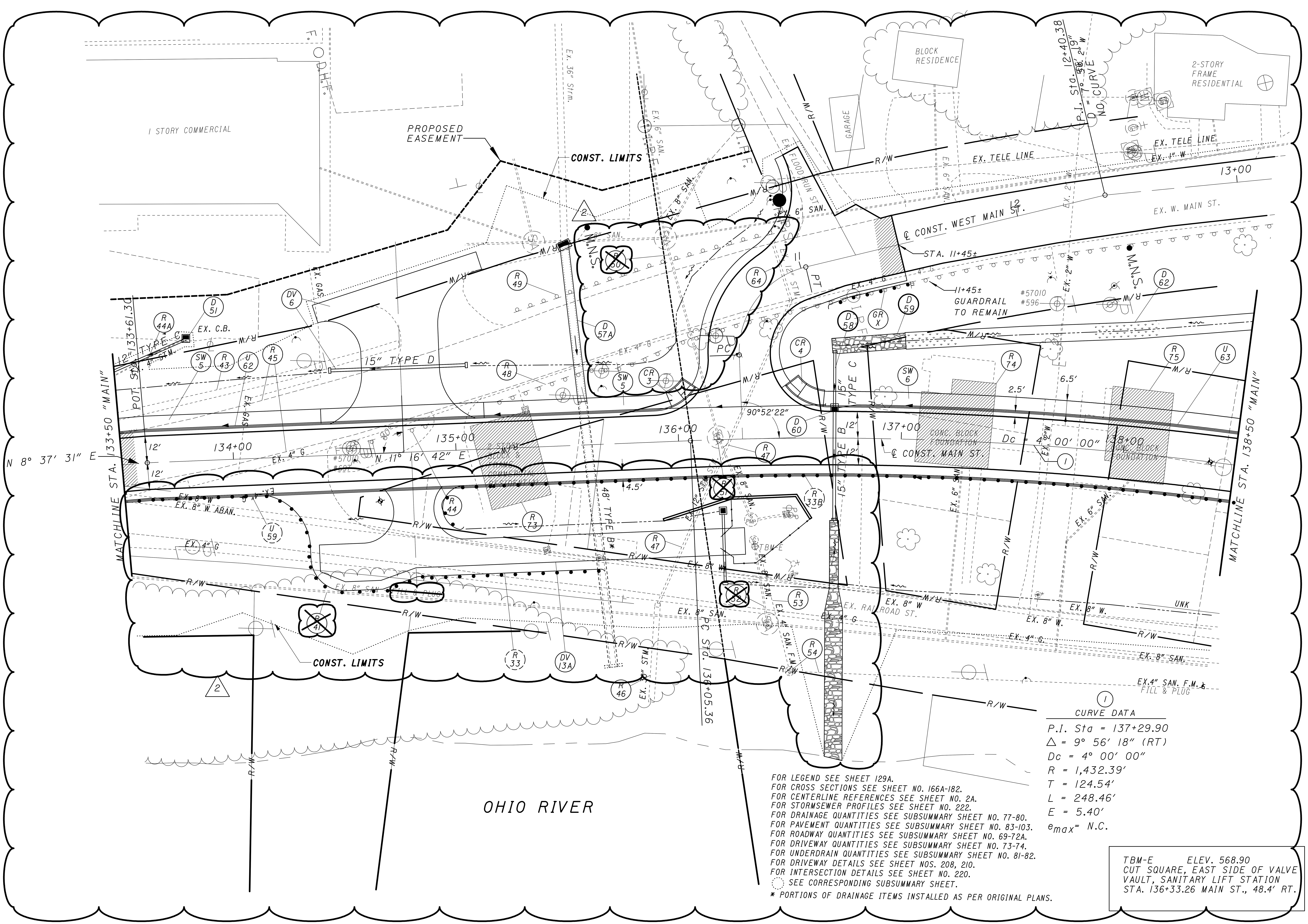

FOR LEGEND SEE SHEET 129A.
FOR CROSS SECTIONS SEE SHEET NO. 166A-182.
FOR CENTERLINE REFERENCES SEE SHEET NO. 2A.
FOR STORMSEWER PROFILES SEE SHEET NO. 222.
FOR DRAINAGE QUANTITIES SEE SUBSUMMARY SHEET NO. 77-80.
FOR PAVEMENT QUANTITIES SEE SUBSUMMARY SHEET NO. 83-103.
FOR ROADWAY QUANTITIES SEE SUBSUMMARY SHEET NO. 69-72A.
FOR DRIVEWAY QUANTITIES SEE SUBSUMMARY SHEET NO. 73-74.
FOR UNDERDRAIN QUANTITIES SEE SUBSUMMARY SHEET NO. 81-82.
FOR DRIVEWAY DETAILS SEE SHEET NOS. 208, 210.
FOR INTERSECTION DETAILS SEE SHEET NO. 220.
◌ SEE CORRESPONDING SUBSUMMARY SHEET.
* PORTIONS OF DRAINAGE ITEMS INSTALLED AS PER ORIGINAL PLANS.

(1) CURVE DATA

P.I. Sta = 137+29.90
Δ = 9° 56′ 18″ (RT)
Dc = 4° 00′ 00″
R = 1,432.39′
T = 124.54′
L = 248.46′
E = 5.40′
e_{max} = N.C.

TBM-E ELEV. 568.90
CUT SQUARE, EAST SIDE OF VALVE VAULT, SANITARY LIFT STATION
STA. 136+33.26 MAIN ST., 48.4′ RT.

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC
2	SALVAGE PUMP STATION	1/06	SCC

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED
CHECKED

PLAN MAIN STREET
STA. 133+50 TO STA. 138+50

MEG-33-15.70

129C
582

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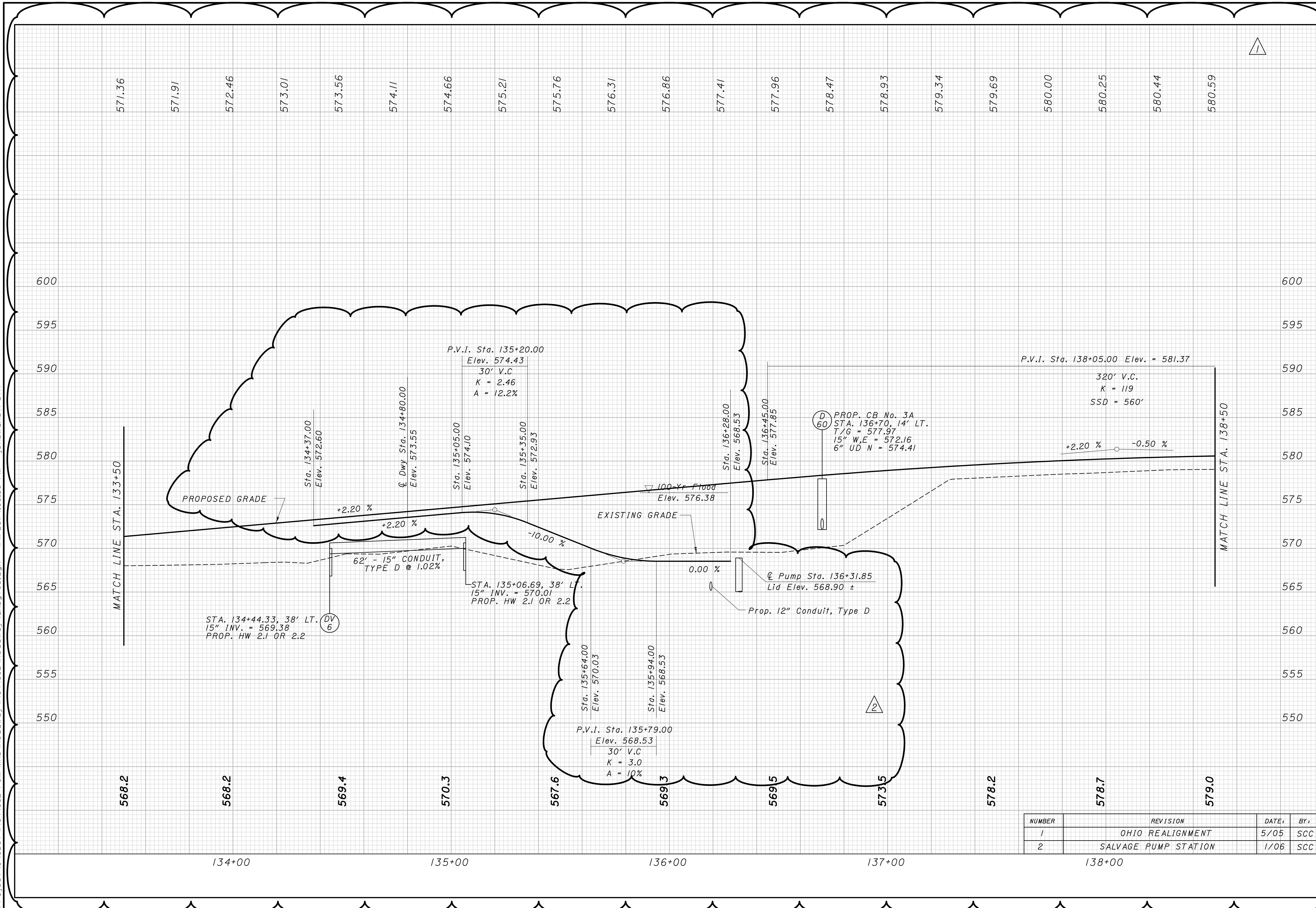


NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC
2	SALVAGE PUMP STATION	1/06	SCC

CALCULATED

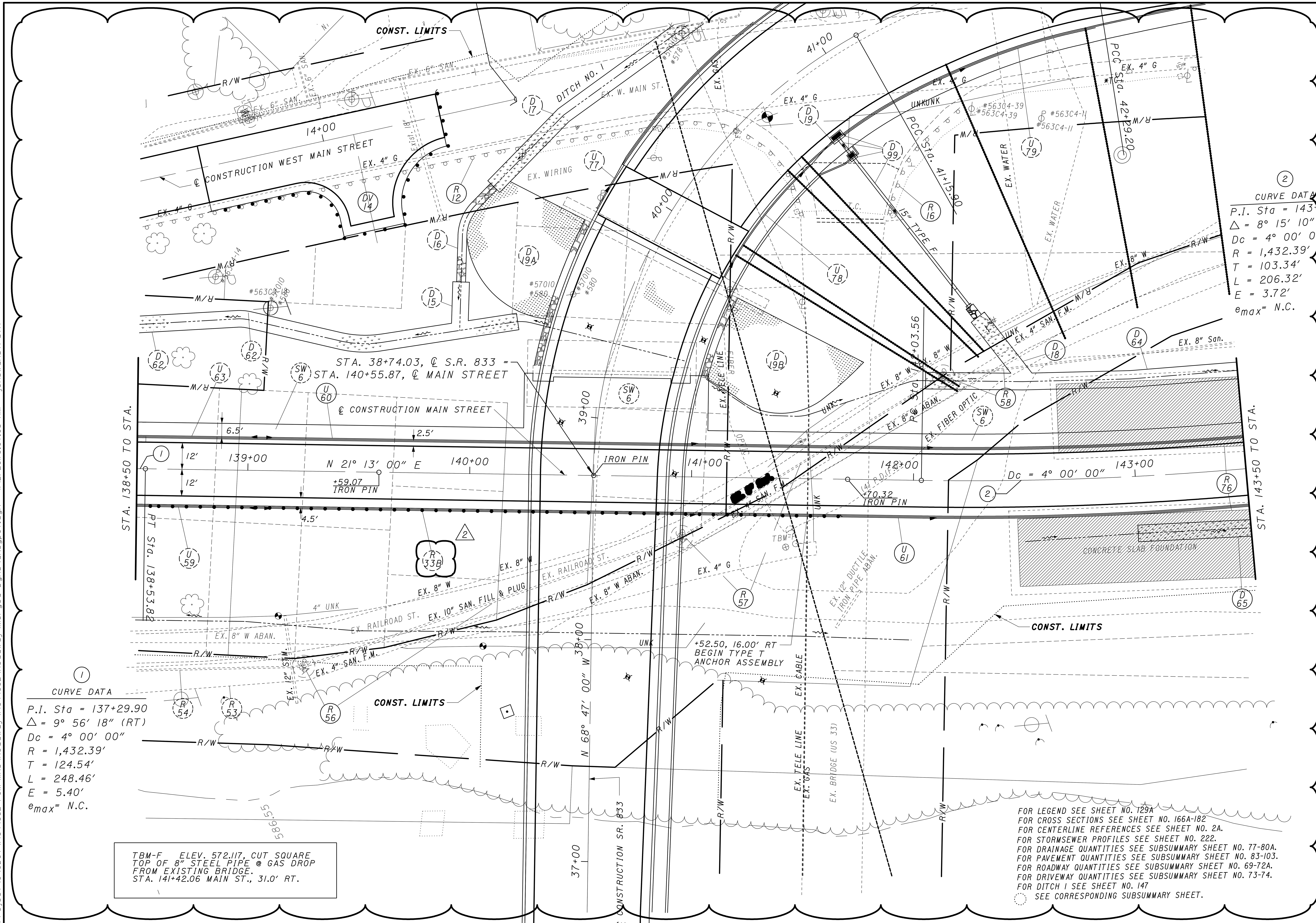
CHECKED

PROFILE MAIN STREET
STA. 133+50 TO STA. 138+50

MEG-33-15.70

129D
582

J:\Project\O\ODOT\4944862 POM-MAS\Roadway\Roadway\ak_gf03.dgn - 1/11/2011 4:09:56 PM - jon.wanstrath



1

CURVE DATA

P.I. Sta = 137+29.90
△ = 9° 56' 18" (RT)
Dc = 4° 00' 00"
R = 1,432.39'
T = 124.54'
L = 248.46'
E = 5.40'
e_{max} = N.C.

2

CURVE DATA

P.I. Sta = 143+06.90
△ = 8° 15' 10" (LT)
Dc = 4° 00' 00"
R = 1,432.39'
T = 103.34'
L = 206.32'
E = 3.72'
e_{max} = N.C.

TBM-F ELEV. 572.117, CUT SQUARE TOP OF 8" STEEL PIPE @ GAS DROP FROM EXISTING BRIDGE.
STA. 141+42.06 MAIN ST., 31.0' RT.

FOR LEGEND SEE SHEET NO. 129A
FOR CROSS SECTIONS SEE SHEET NO. 166A-182
FOR CENTERLINE REFERENCES SEE SHEET NO. 2A.
FOR STORMSEWER PROFILES SEE SHEET NO. 222.
FOR DRAINAGE QUANTITIES SEE SUBSUMMARY SHEET NO. 77-80A.
FOR PAVEMENT QUANTITIES SEE SUBSUMMARY SHEET NO. 83-103.
FOR ROADWAY QUANTITIES SEE SUBSUMMARY SHEET NO. 69-72A.
FOR DRIVEWAY QUANTITIES SEE SUBSUMMARY SHEET NO. 73-74.
FOR DITCH I SEE SHEET NO. 147
SEE CORRESPONDING SUBSUMMARY SHEET.

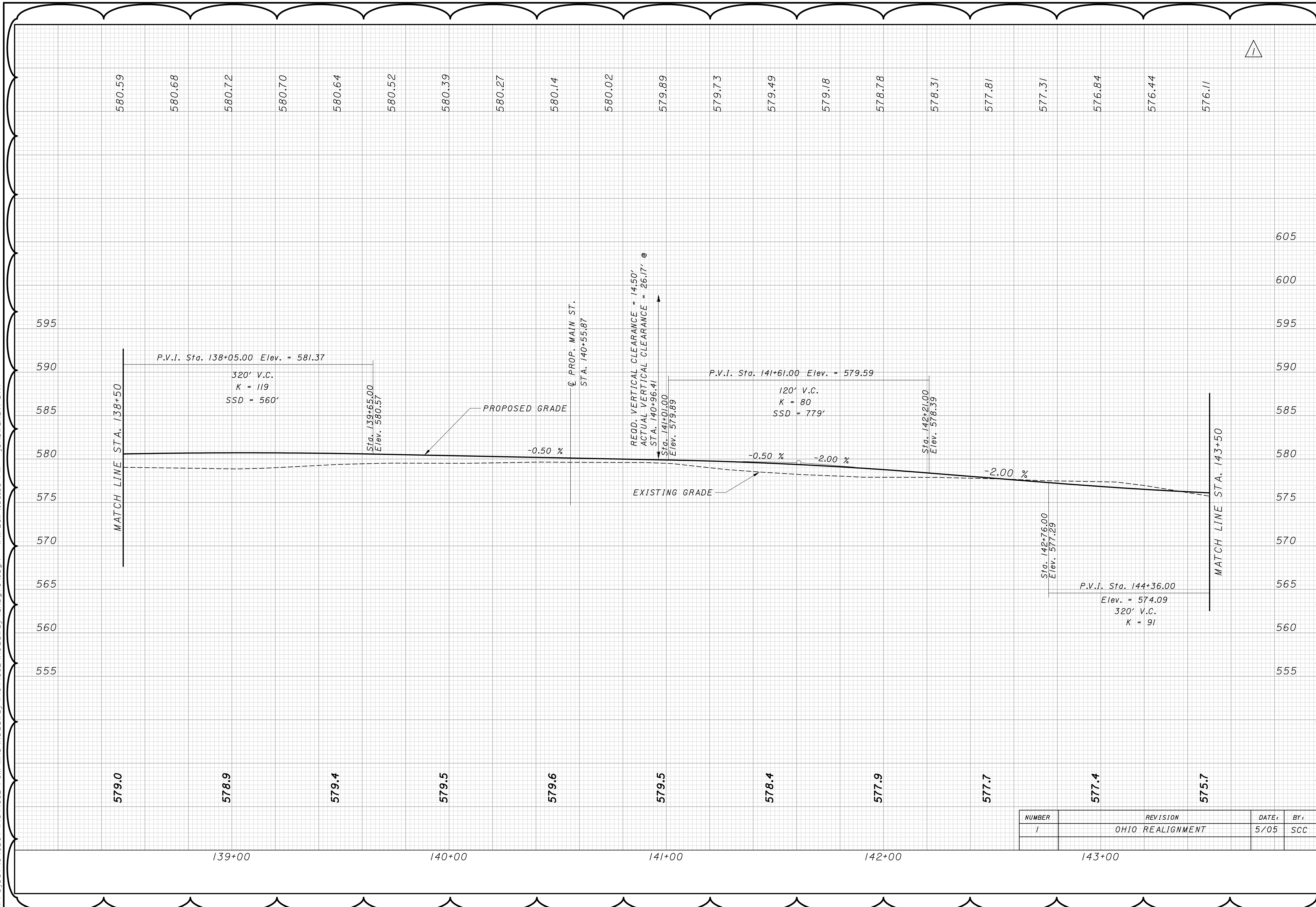
NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC
2	SALVAGE PUMP STATION	1/06	SCC

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CHECKED

PLAN MAIN STREET
STA. 138+50 TO STA. 143+50

MEG-33-15.70



NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED
CHECKED

PROFILE MAIN STREET
STA. 138+50 TO STA. 143+50

MEG-33-15.70

129F
582

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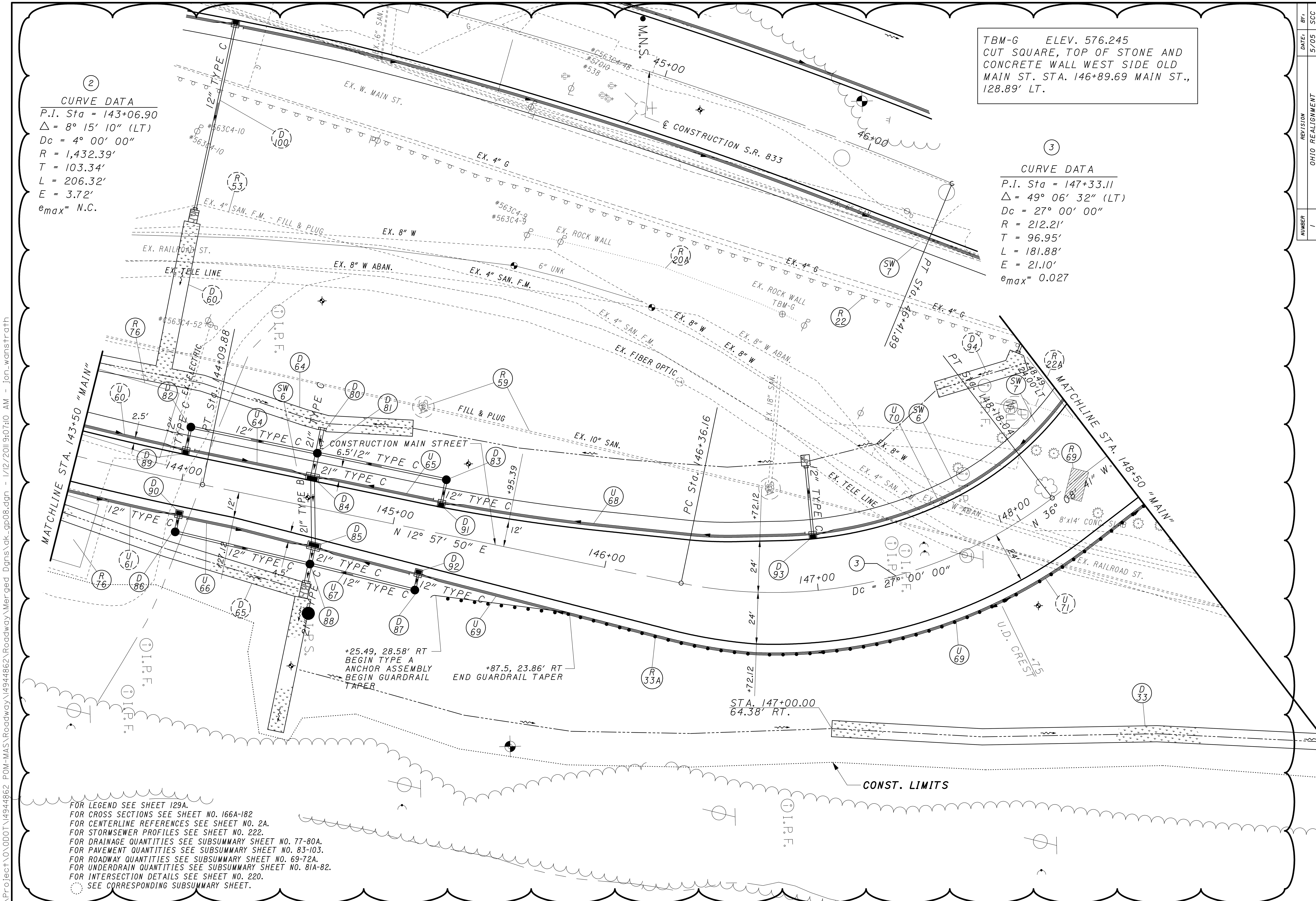


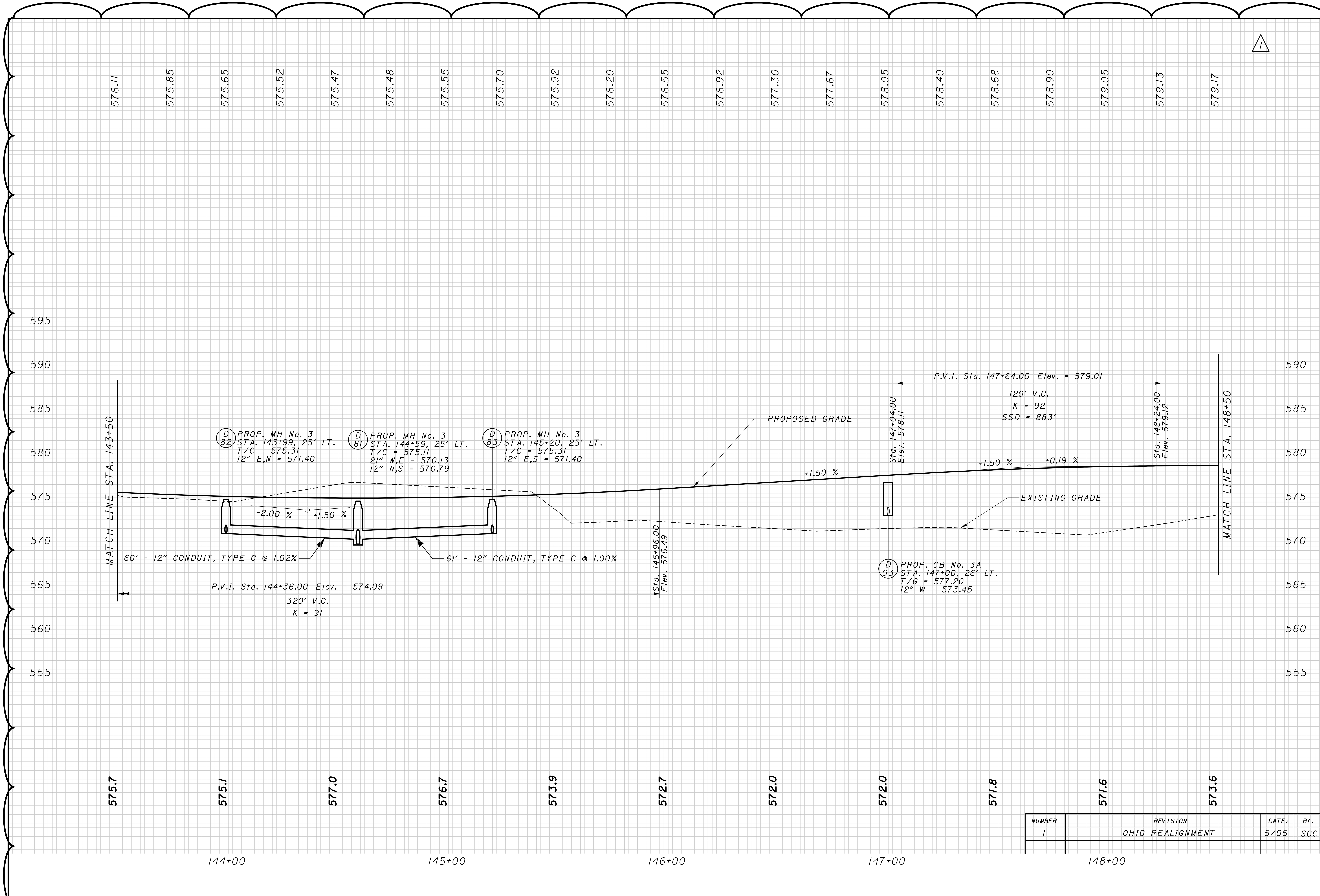
NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED
CHECKED

HORIZONTAL SCALE IN FEET 0 10 20 40

PLAN MAIN STREET
STA. 143+50 TO STA. 148+50

MEG-33-15.70



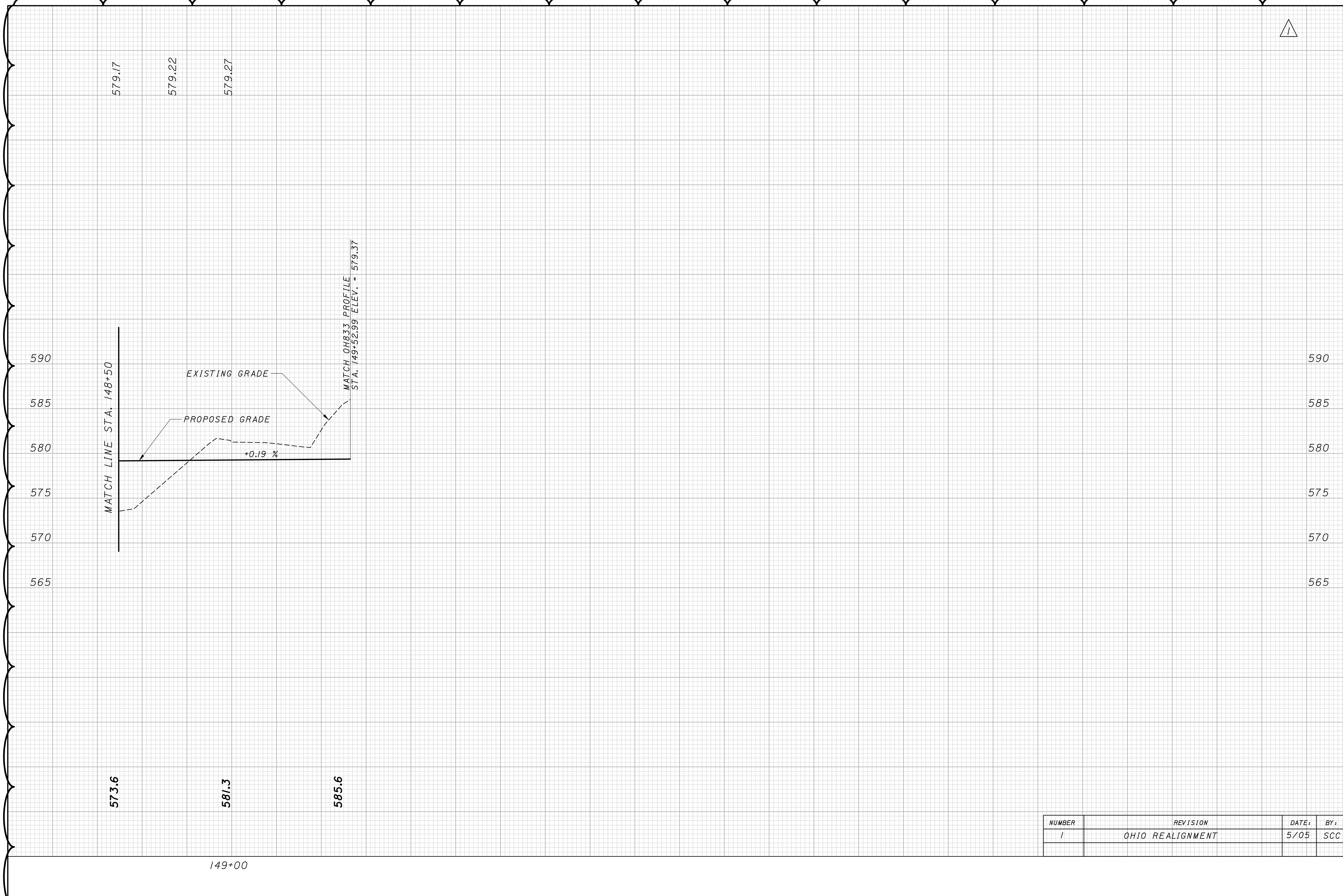
NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED
CHECKED

PROFILE MAIN STREET
STA. 143+50 TO STA. 148+50

MEG-33-15.70

129H
582



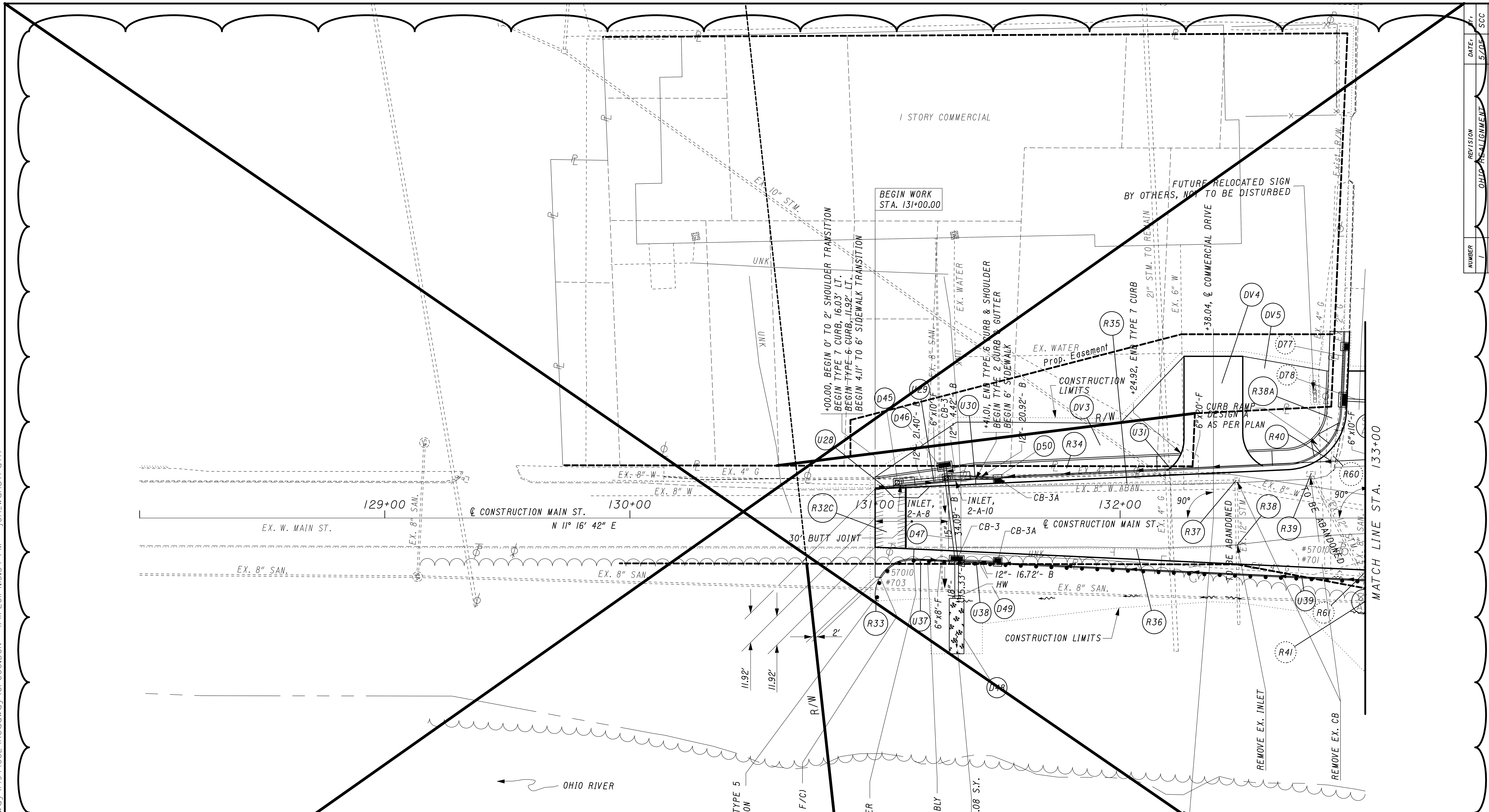
NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED
CHECKED

PROFILE MAIN STREET
STA. 148+50 TO STA. 149+52.99

MEG-33-15.70

1291/582



FOR CROSS SECTIONS SEE SHEET NO. 167-169
FOR CENTERLINE REFERENCES SEE SHEET NO. 2A.
FOR STORMSEWER PROFILES SEE SHEET NO. 222-236.
FOR DRAINAGE QUANTITIES SEE SUBSUMMARY SHEET NO. 77-80.
FOR PAVEMENT QUANTITIES SEE SUBSUMMARY SHEET NO. 83-103.
FOR ROADWAY QUANTITIES SEE SUBSUMMARY SHEET NO. 69-72.
FOR DRIVEWAY QUANTITIES SEE SUBSUMMARY SHEET NO. 73-74.
FOR UNDERDRAIN QUANTITIES SEE SUBSUMMARY SHEET NO. 81-82.
FOR DRIVEWAY DETAILS SEE SHEET NO. 208.
FOR INTERSECTION DETAILS SEE SHEET NO. 221.
SEE CORRESPONDING SUBSUMMARY SHEET.

ITEM 670, DITCH EROSION PROTECTION

202, PAVEMENT REMOVED

FOR INFORMATION ONLY.
REFER TO PLAN SHEET 129A.

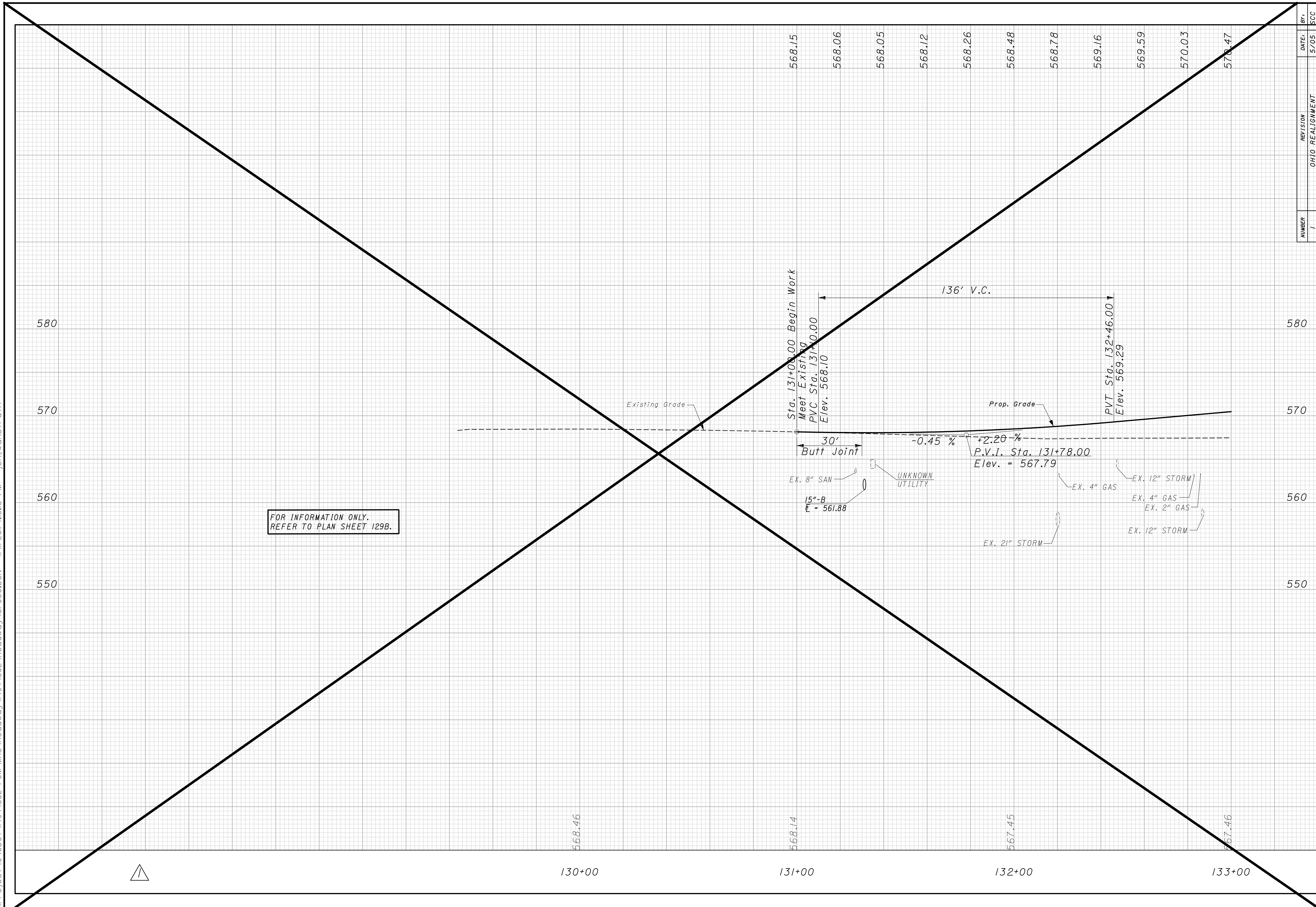
NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED AM
CHECKED JGB

HORIZONTAL SCALE IN FEET

PLAN MAIN STREET
STA. 131+00 TO STA. 133+00

MEG-133-15.70



NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED AM
CHECKED JGB

PROFILE MAIN STREET
STA. 131+00.00 TO STA. 133+00.00

MEG-33-15.70

131/582

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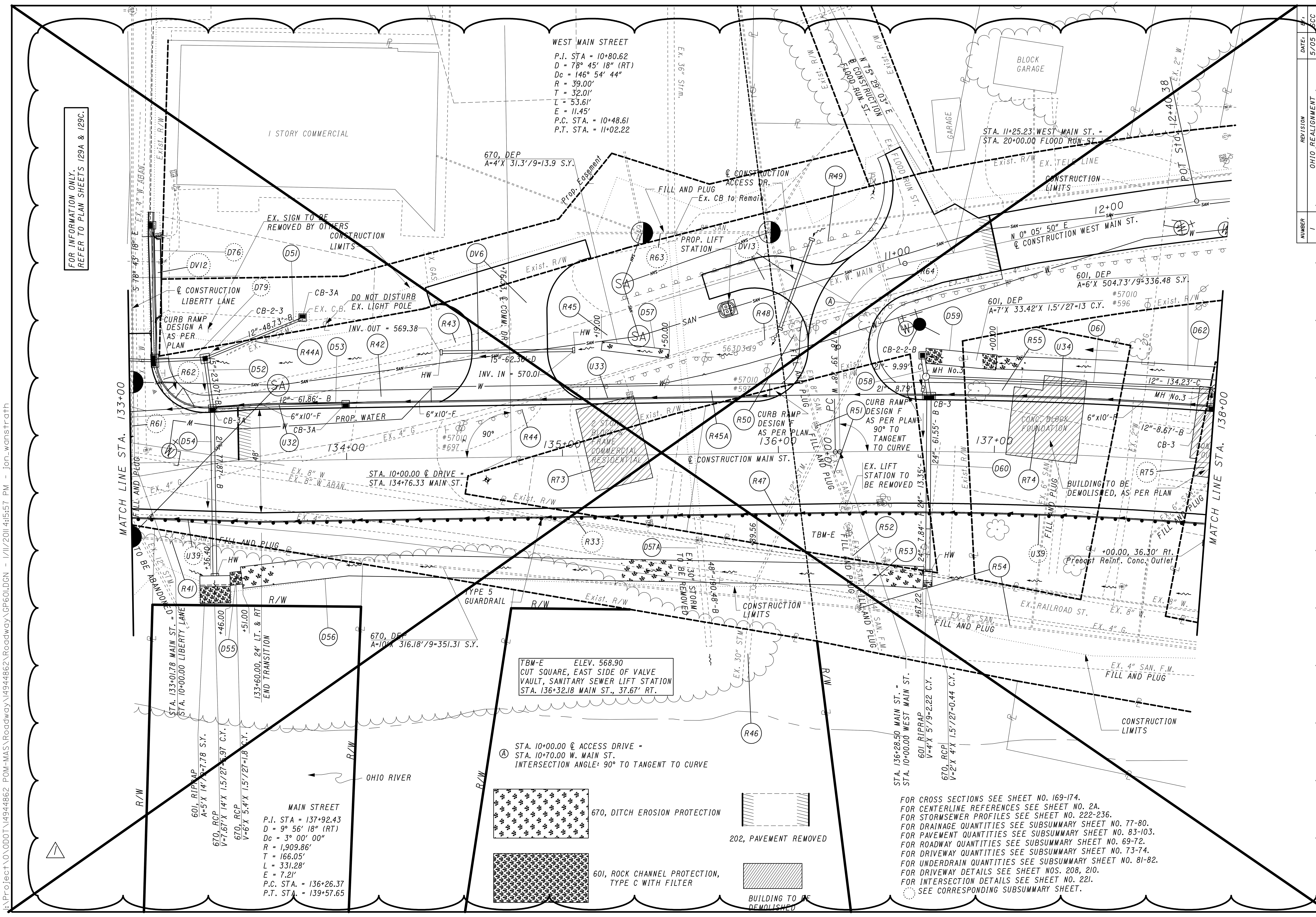
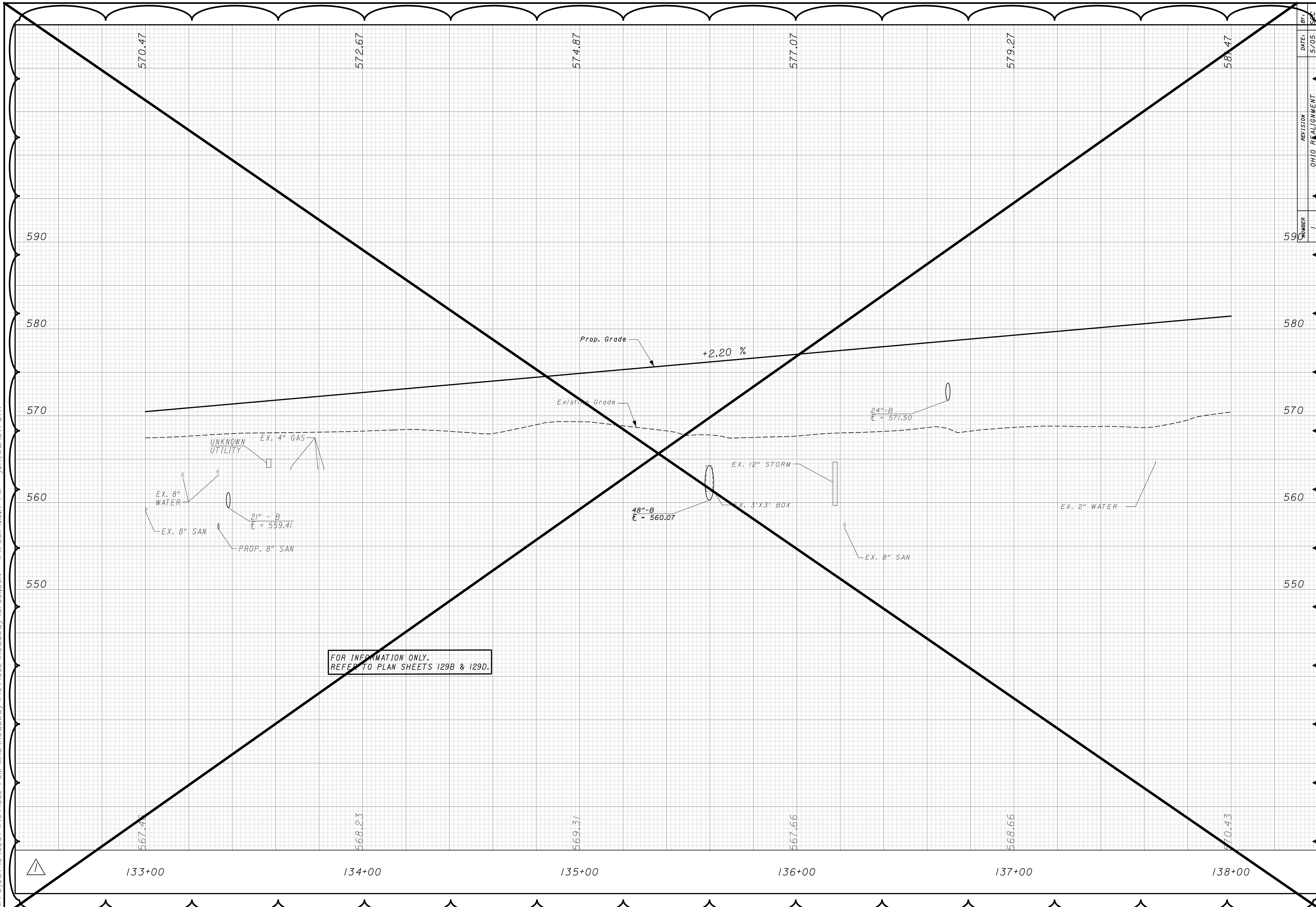


PLAN MAIN STREET

STA. 133+00 TO STA. 138+00

MEG-33-15.70



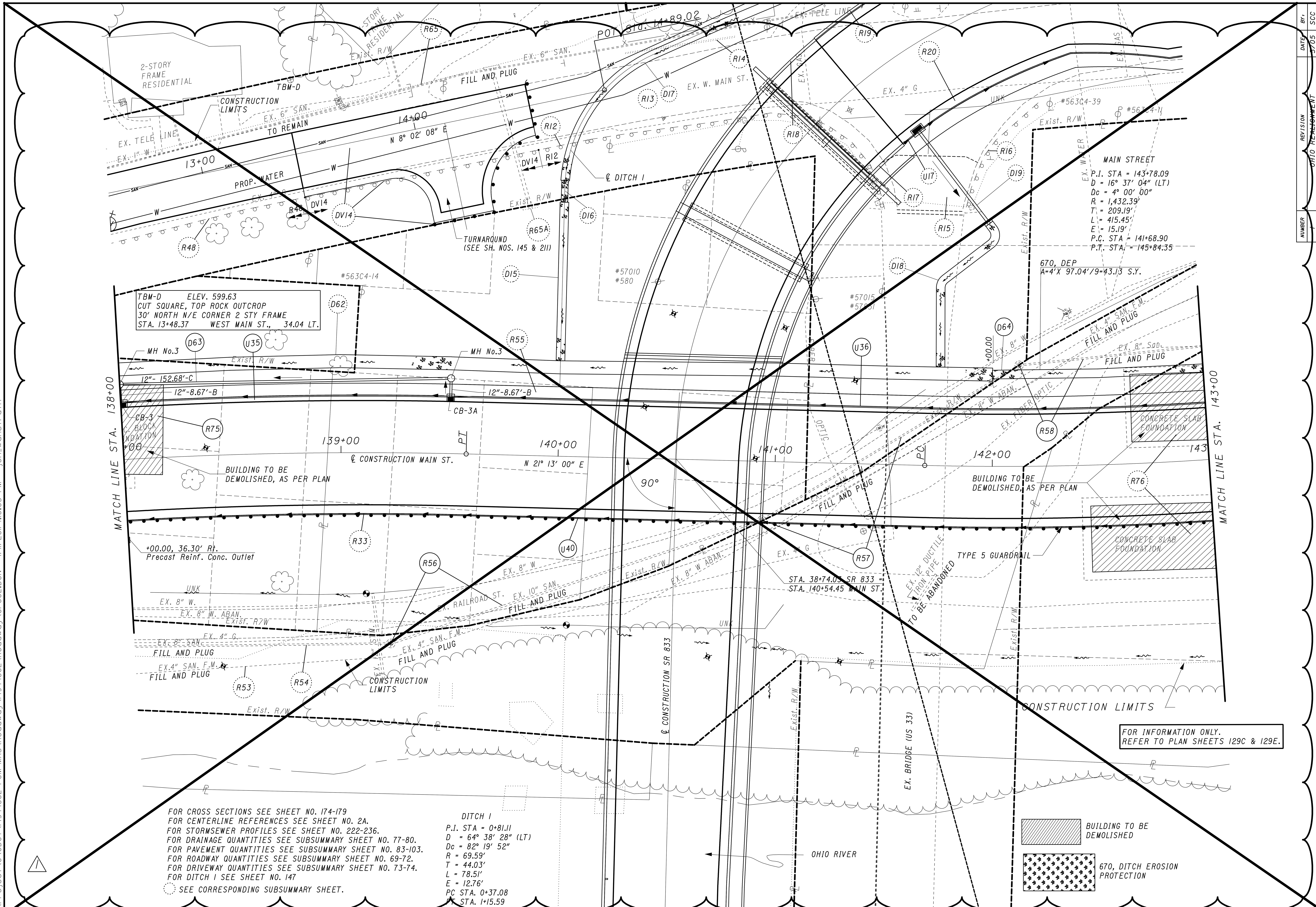
NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SEC

CALCULATED AM
CHECKED JGB

PROFILE MAIN STREET
STA. 133+00.00 TO STA. 138+00.00

MEG-33-15.70

133/582



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HORIZONTAL SCALE IN FEET 0 10 20 40

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED AM — CHECKED JGB

PLAN MAIN STREET
STA. 138+00 TO STA. 143+00

MEG-33-15.70

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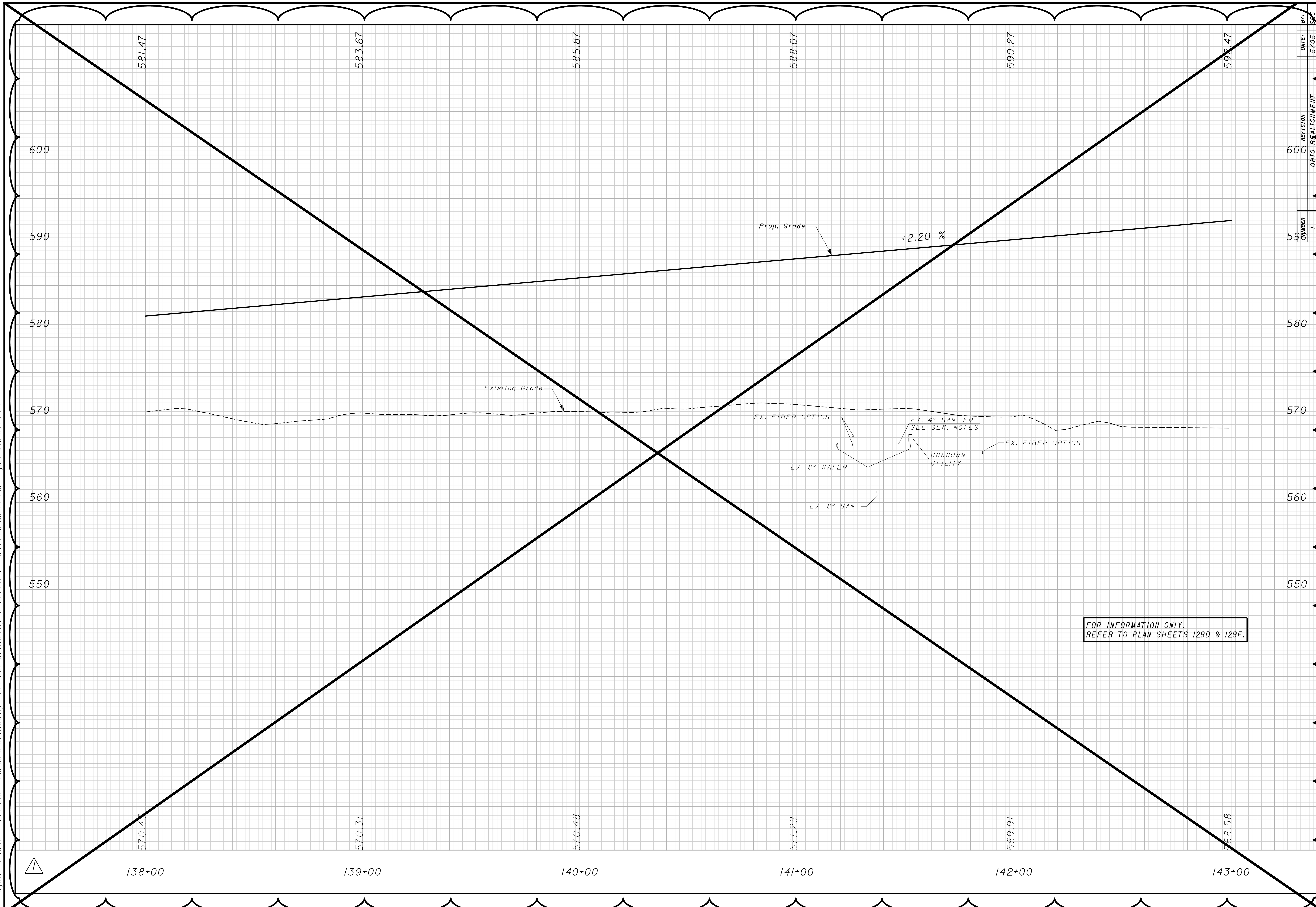
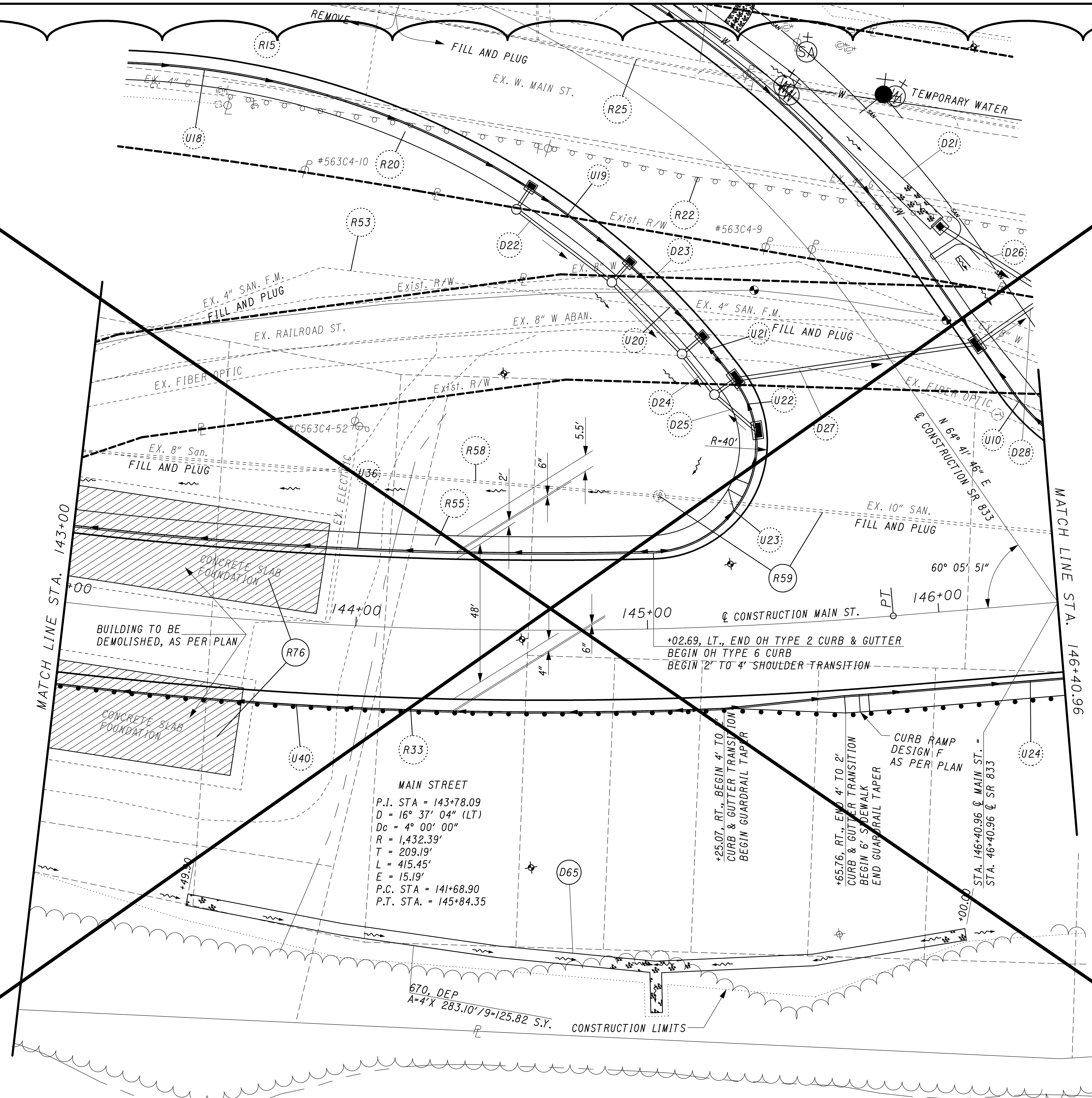


CALCULATED AM
CHECKED JGB

PROFILE MAIN STREET
STA. 138+00.00 TO STA. 143+00.00

MEG-33-15.70

135
582



FOR CROSS SECTIONS SEE SHEET NO. 179-182
FOR CENTERLINE REFERENCES SEE SHEET NO. 2A.
FOR STORMSEWER PROFILES SEE SHEET NO. 222-236.
FOR DRAINAGE QUANTITIES SEE SUBSUMMARY SHEET NO. 77-80.
FOR PAVEMENT QUANTITIES SEE SUBSUMMARY SHEET NO. 83-103.
FOR ROADWAY QUANTITIES SEE SUBSUMMARY SHEET NO. 69-72.
FOR UNDERDRAIN QUANTITIES SEE SUBSUMMARY SHEET NO. 81-82.
FOR INTERSECTION DETAILS SEE SHEET NO. 220.
SEE CORRESPONDING SUBSUMMARY SHEET.

OHIO RIVER

BUILDING TO BE DEMOLISHED

FOR INFORMATION ONLY.
REFER TO PLAN SHEETS 129E & 129G.

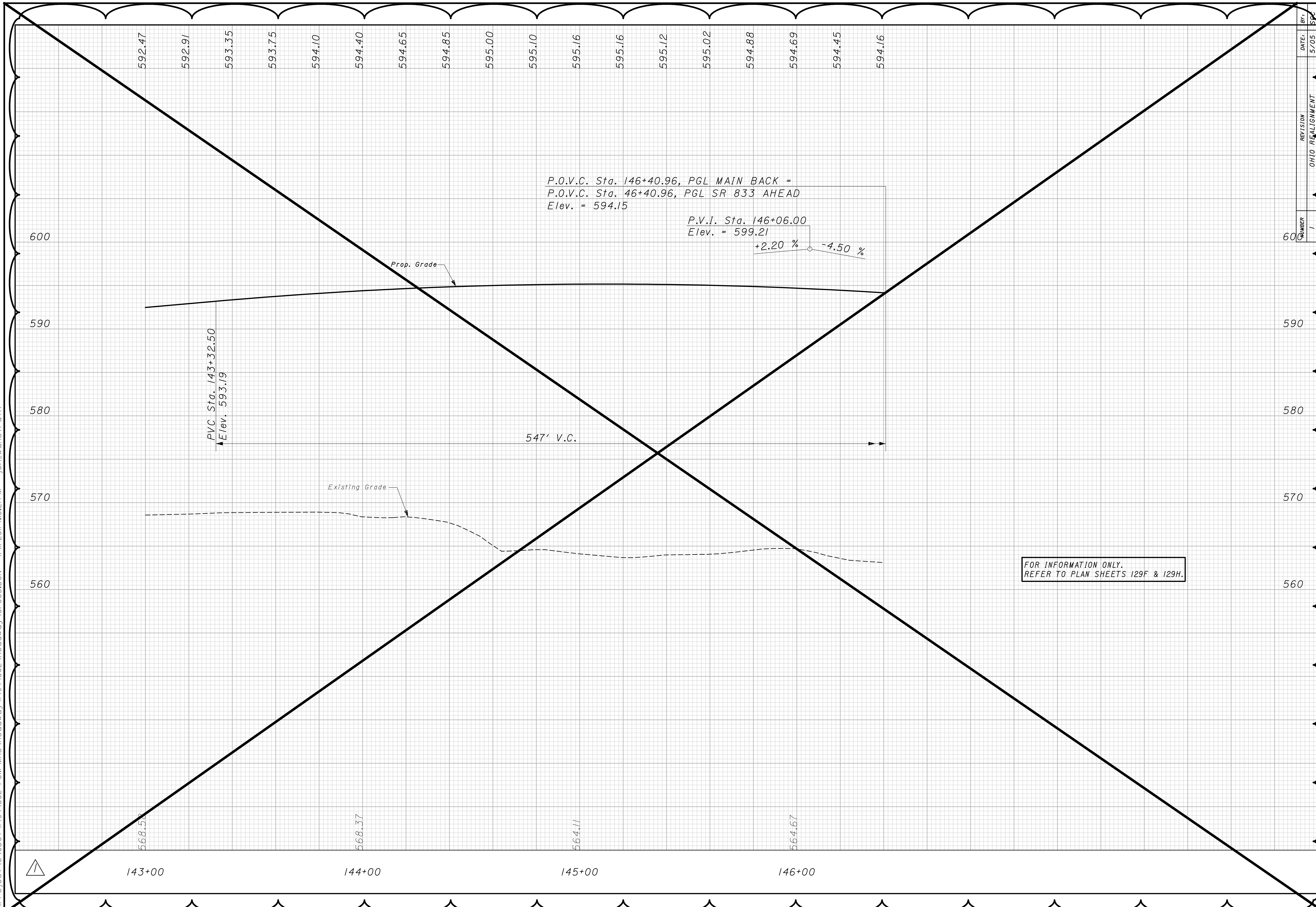
NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED AM
CHECKED JGB

PLAN MAIN STREET
STA. 143+00 TO STA. 146+41

MEG-33-15.70



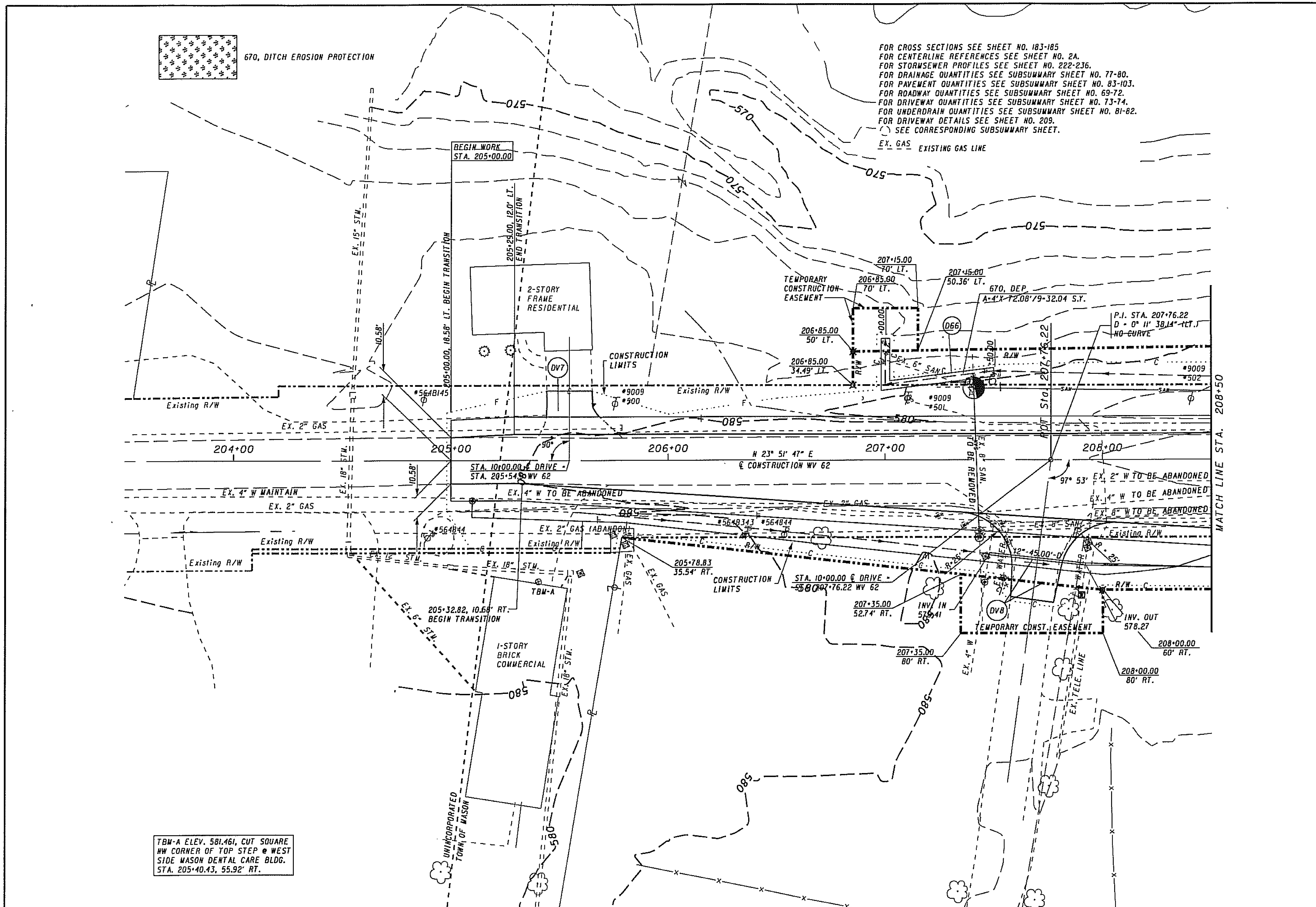
NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SC

CALCULATED AM

CHECKED JGB

PROFILE MAIN STREET
STA. 143+00.00 TO STA. 146+40.96

MEG-33-15.70

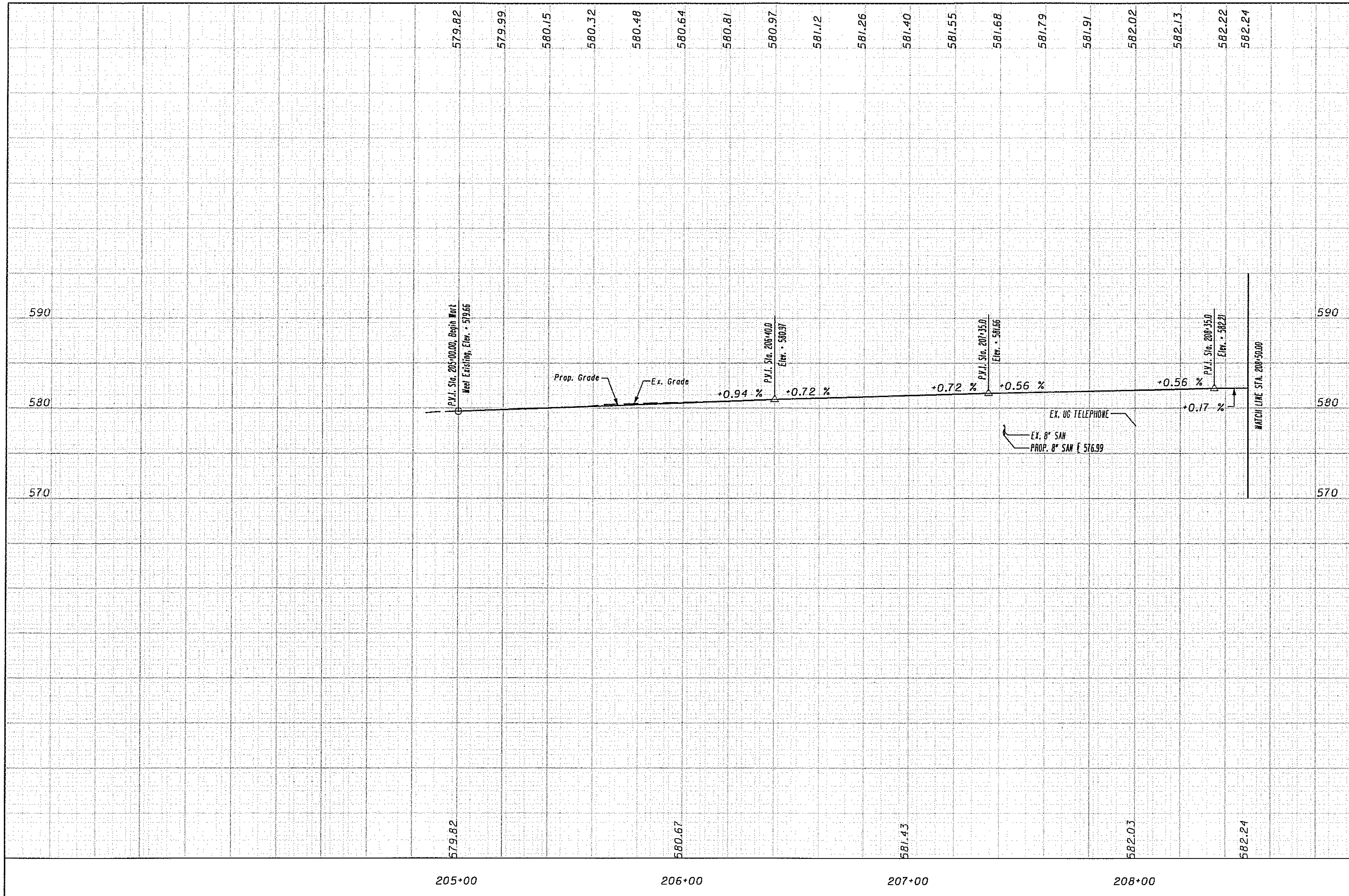


0 10 20 40
HORIZONTAL SCALE IN FEET

CALCULATED AM
CHECKED JLB

PLAN WV 62
STA. 205+00 TO STA. 208+50

MEG-33-15.70



CALCULATED AH
CHECKED JDB

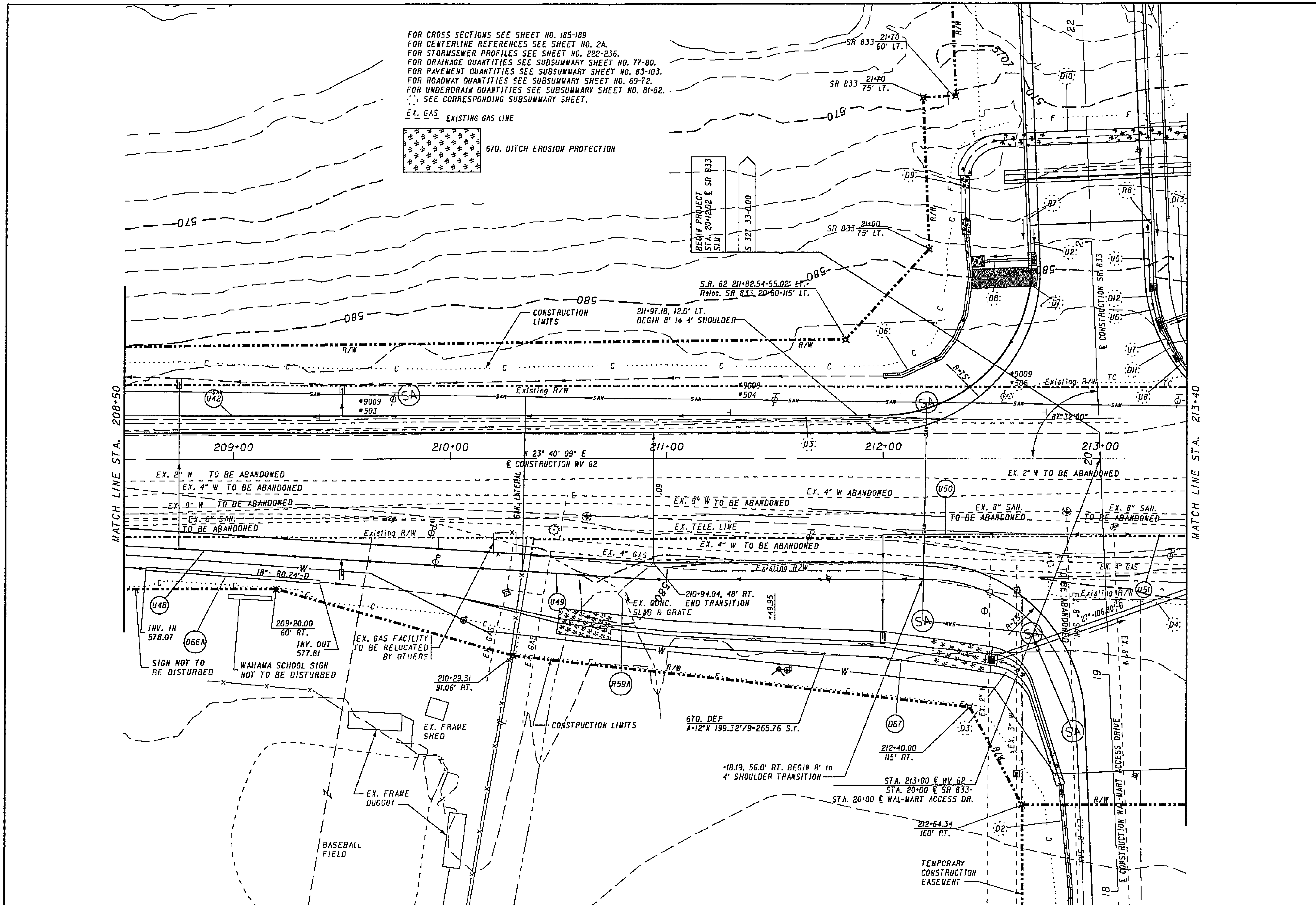
PROFILE WV 62
STA. 205+00.00 TO STA. 208+50.00

MEG-33-15.70

FOR CROSS SECTIONS SEE SHEET NO. 185-189
FOR CENTERLINE REFERENCES SEE SHEET NO. 2A.
FOR STORMSEWER PROFILES SEE SHEET NO. 222-236.
FOR DRAINAGE QUANTITIES SEE SUBSUMMARY SHEET NO. 77-80.
FOR PAVEMENT QUANTITIES SEE SUBSUMMARY SHEET NO. 83-103.
FOR ROADWAY QUANTITIES SEE SUBSUMMARY SHEET NO. 69-72.
FOR UNDERDRAIN QUANTITIES SEE SUBSUMMARY SHEET NO. 81-82.
SEE CORRESPONDING SUBSUMMARY SHEET.

EX. GAS — EXISTING GAS LINE

670, DITCH EROSION PROTECTION



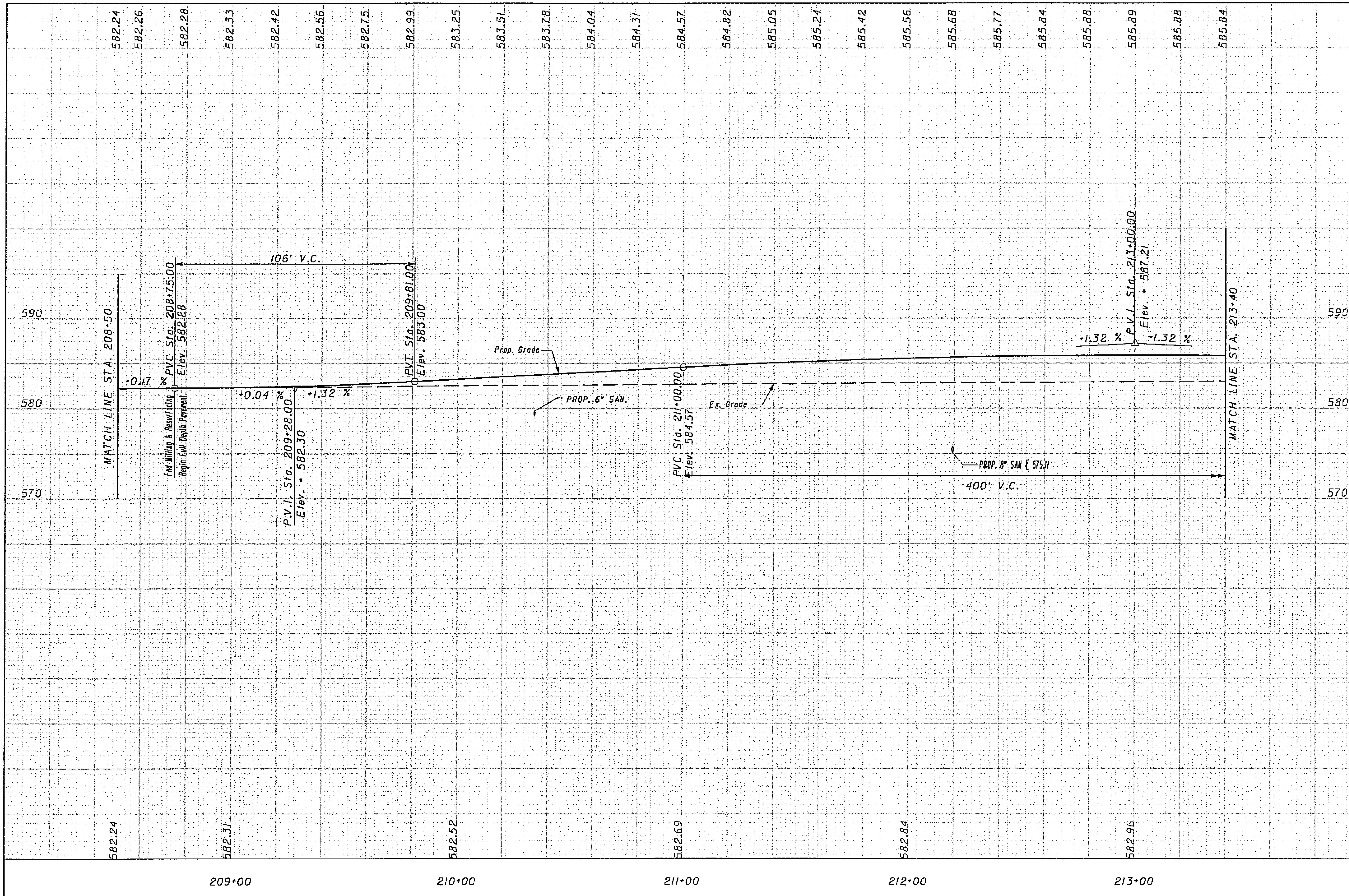
HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED AM
CHECKED JOB

PLAN WV 62

STA. 208+50 TO STA. 213+40

MEG-33-15.70



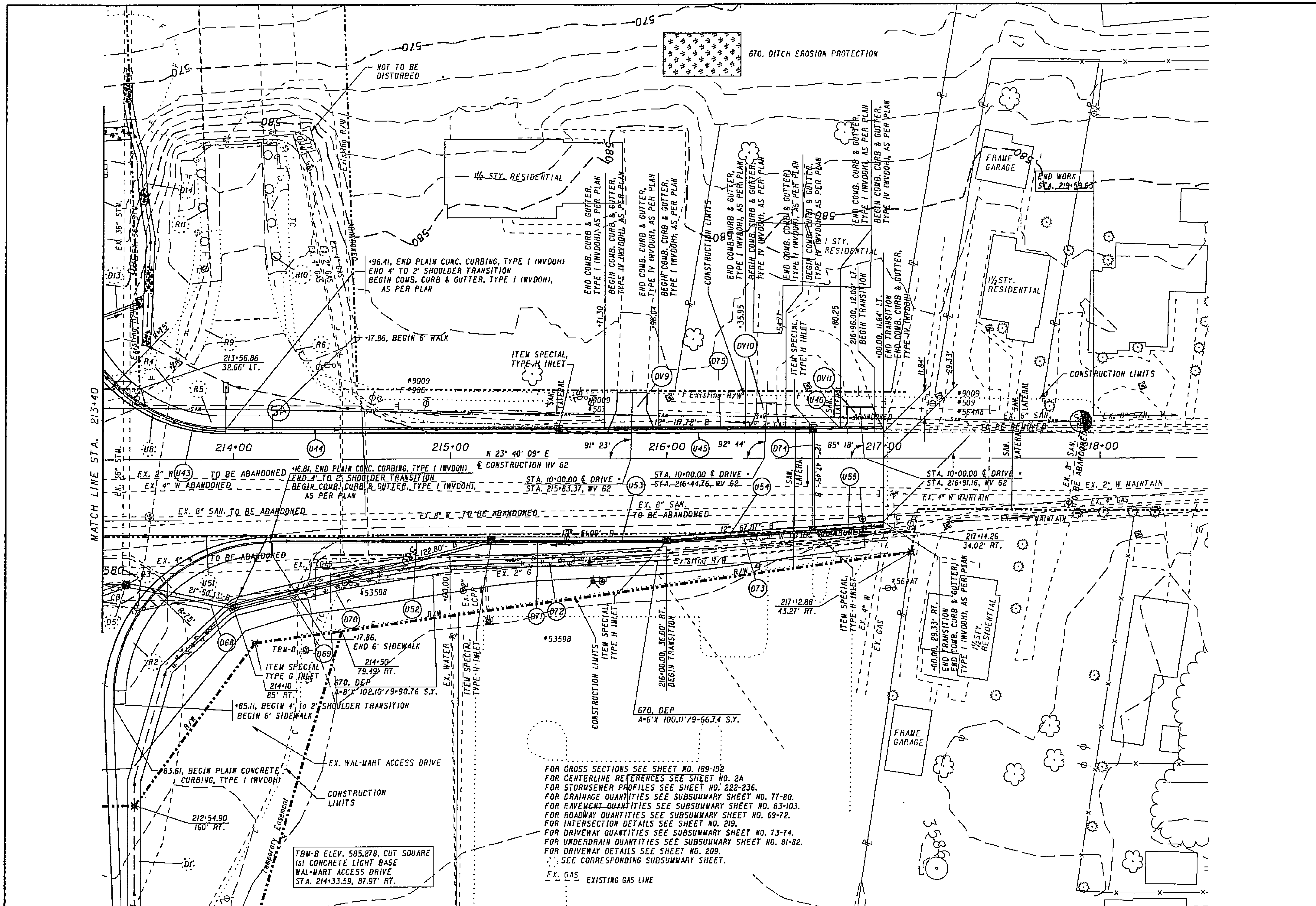
CALCULATED AM

CHECKED JJB

PROFILE WV 62

STA. 208+50.00 TO STA. 213+40.00

MEG-33-15.70

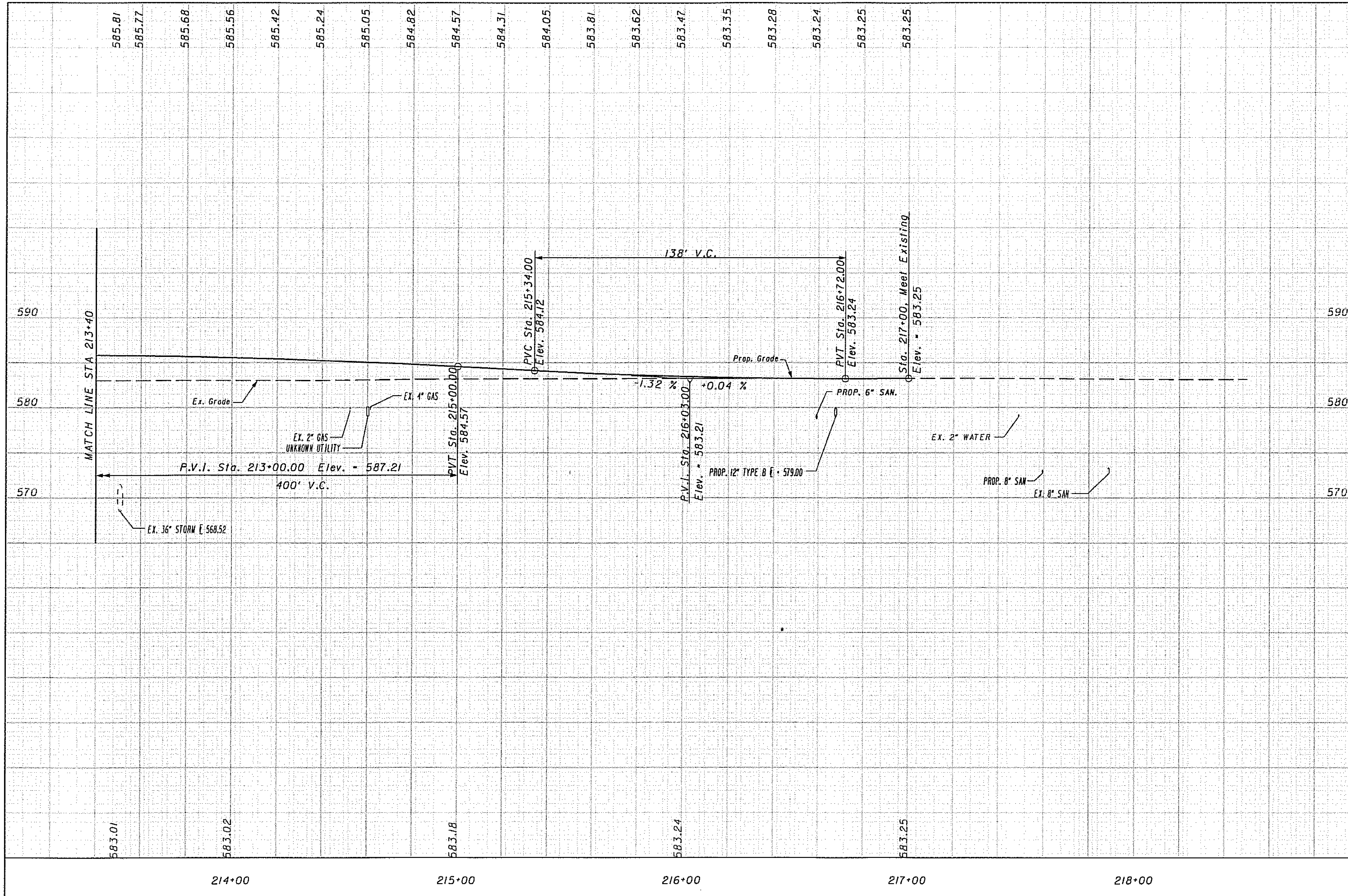


HORIZONTAL SCALE IN FEET

CALCULATED AM
CHECKED JCB

PLAN WV 62
STA. 213+50 TO STA. 217+00

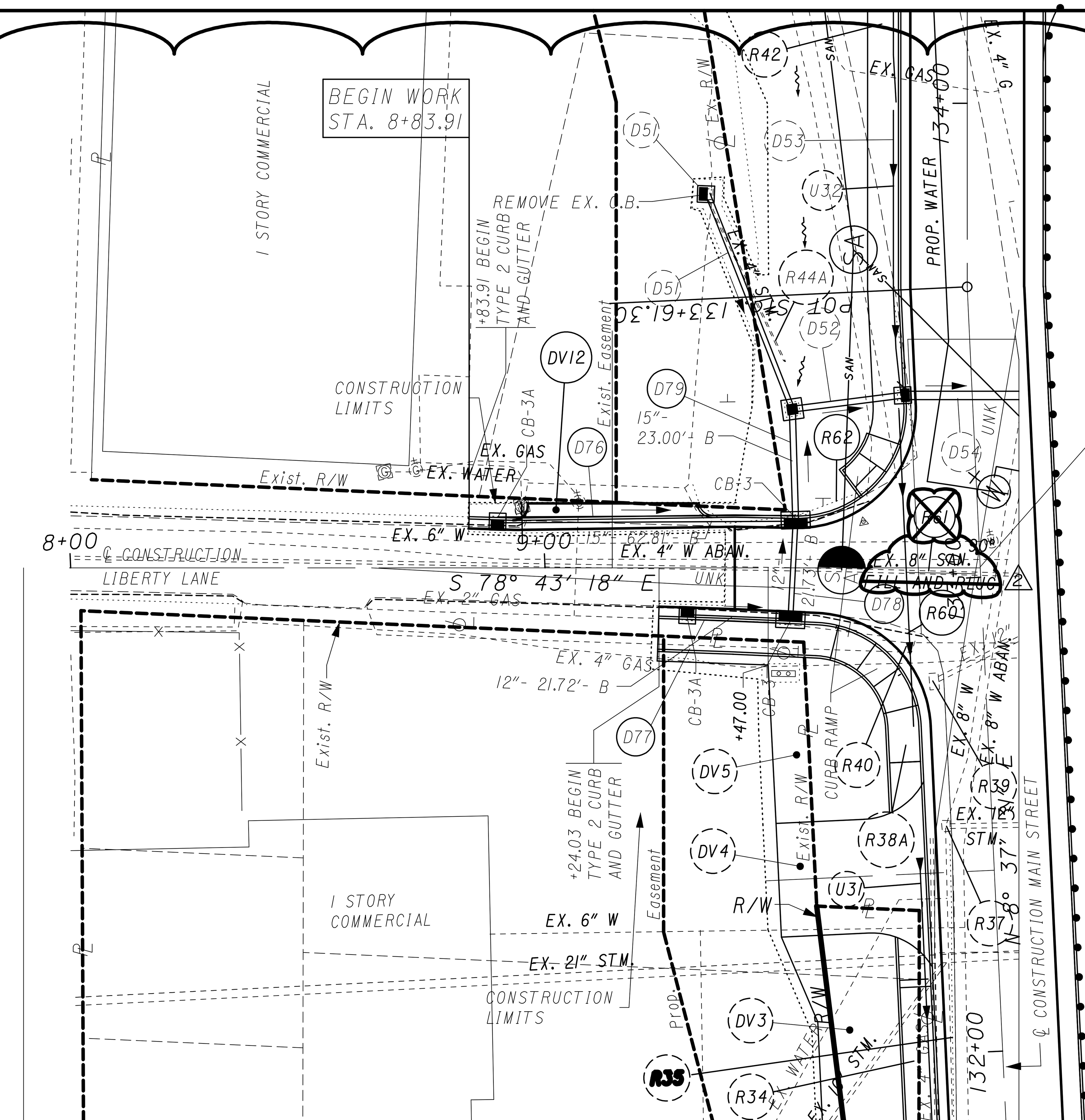
MEG-33-15.70



CALCULATED AM
CHECKED JSB

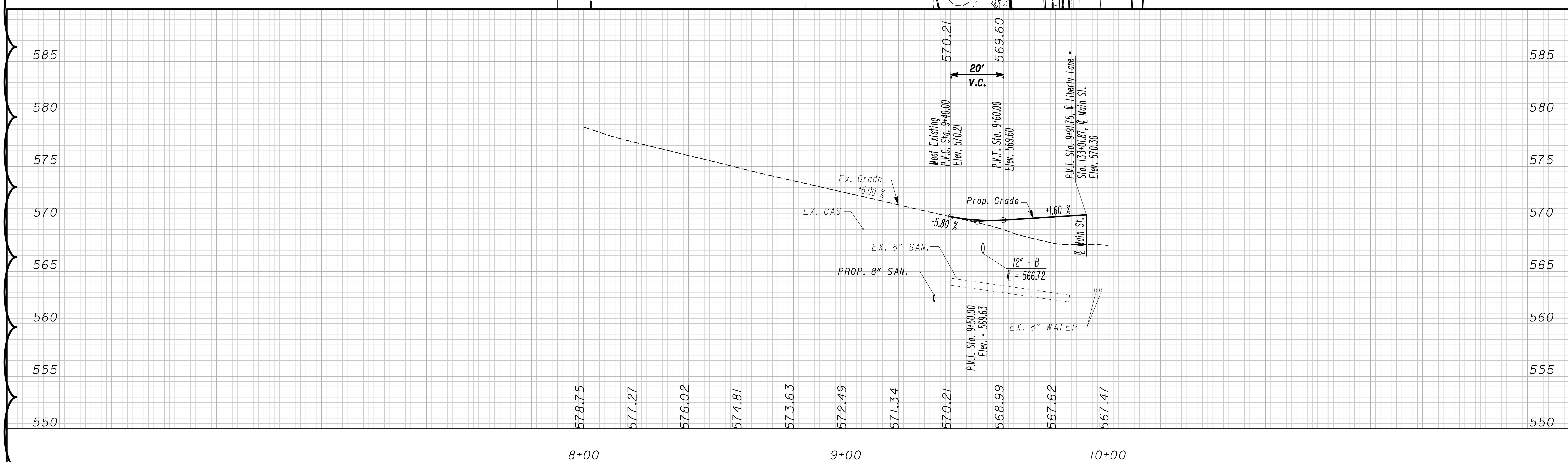
PROFILE WV 62
STA. 213+40.00 TO STA. 217+00.00

MEG-33-15.70



TBM-E ELEV. 568.90
CUT SQUARE, EAST SIDE OF VALVE VAULT, SANITARY LIFT STATION
STA. 136+33.26 MAIN ST., 48.4' RT.

FOR INTERSECTION DETAILS SEE SHEET NO. 220.
FOR UNDERDRAIN SEE SHEET NO. 81-82.
FOR CROSS SECTIONS SEE SHEET NO. 193-194
FOR CENTERLINE REFERENCES SEE SHEET NO. 2A.
FOR DRAINAGE PROFILES SEE SHEET NO. 224.
FOR DRAINAGE QUANTITIES SEE SUBSUMMARY SHEET NO. 77-80.
FOR PAVEMENT QUANTITIES SEE SUBSUMMARY SHEET NO. 83-103.
FOR ROADWAY QUANTITIES SEE SUBSUMMARY SHEET NO. 69-72A.
SEE CORRESPONDING SUBSUMMARY SHEET NO. 71.
FOR LEGEND SEE SHEET NO. 129A.



NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC
2	SALINE PUMP STATION	1/06	SCC

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED AM
CHECKED JGB

PLAN AND PROFILE LIBERTY LANE
STA. 8+00 TO STA. 10+00

MEG-33-15.70

143A / 582

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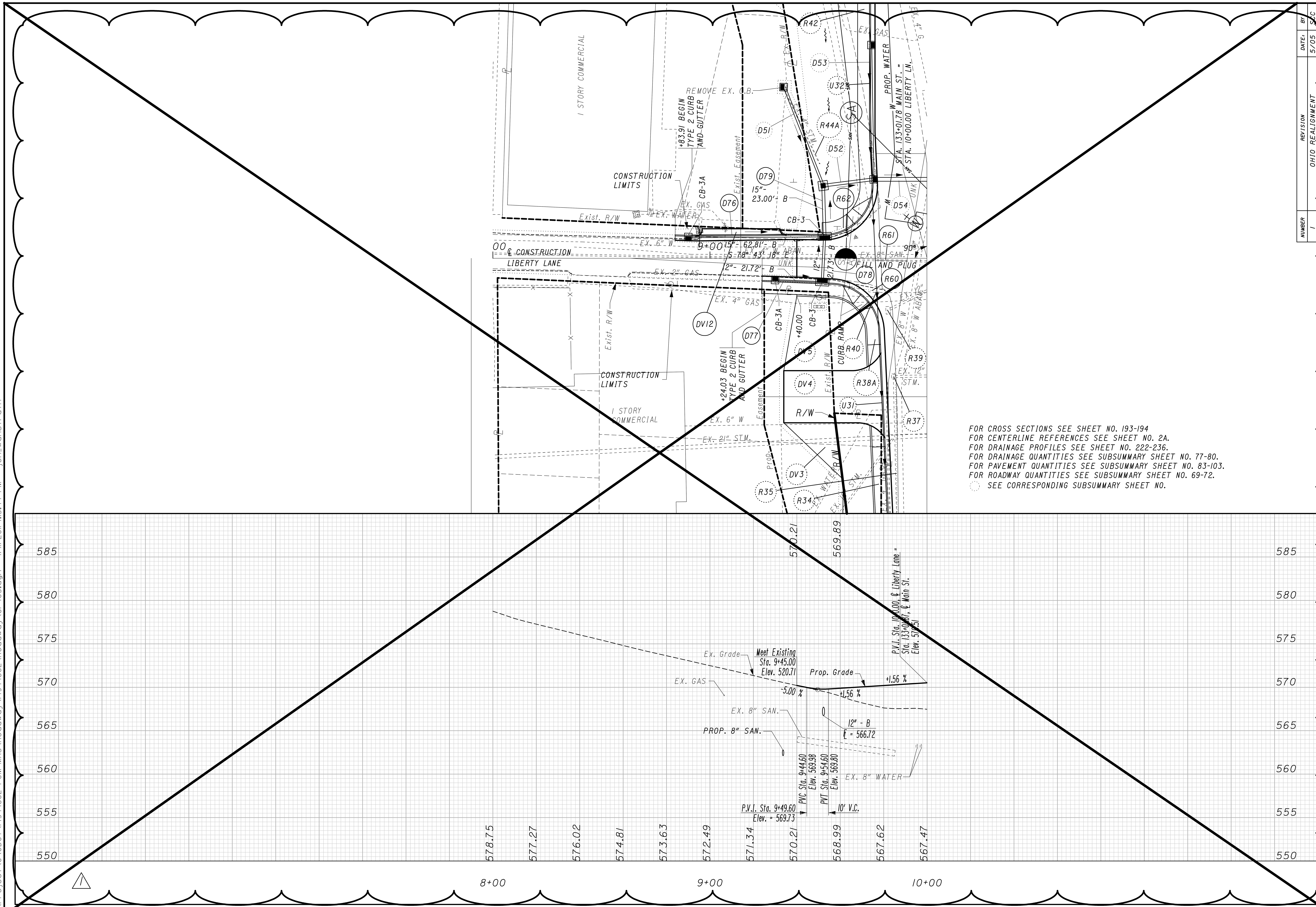

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NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SJC

CALCULATED AM
CHECKED JGB

HORIZONTAL SCALE IN FEET 0 10 20 40

PLAN AND PROFILE LIBERTY LANE
STA. 8+00 TO STA. 10+00

MEG-33-15.70

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NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC
2	SALVAGE PUMP STATION	1/06	SCC

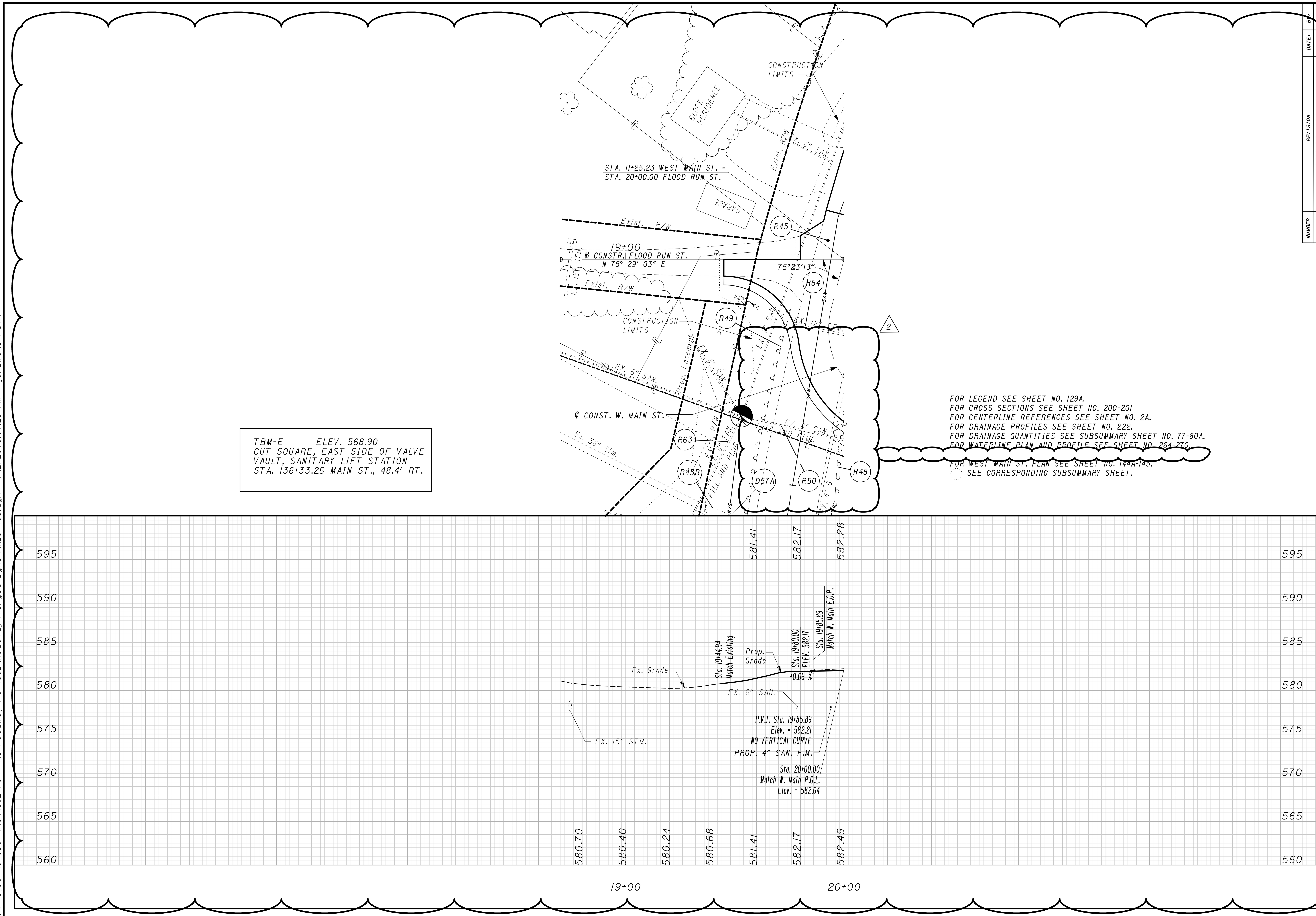
HORIZONTAL SCALE IN FEET

CALCULATED AM | CHECKED JGB

PLAN AND PROFILE WEST MAIN STREET
STA. 10+00 TO STA. 14+89.02

MEG-33-15.70


WEST MAIN STREET
P.I. STA. = 10+80.62
D = 78° 45' 18" (RT)
Dc = 146° 54' 44"
R = 39.00'
T = 32.01'
L = 53.61'
E = 11.45'
e = R.C.
PC STA. 10+48.61
PT STA. 11+02.22
BUILDING TO BE DEMOLISHED
FOR CROSS SECTIONS SEE SHEET NO. 195-199
FOR CENTERLINE REFERENCES SEE SHEET NO. 2A.
FOR DRIVEWAY DETAILS SEE SHEET NO. 73-74.
FOR PAVEMENT QUANTITIES SEE SUBSUMMARY SHEET NO. 83-103
FOR ROADWAY QUANTITIES SEE SUBSUMMARY SHEET NO. 69-72.
SEE CORRESPONDING SUBSUMMARY SHEET.
CONSTRUCTION LIMITS
P.I. Sta. 12+40.38
D = 7° 56' 19"
NO CURVE
2-STORY FRAME RESIDENTIAL
1-STORY FRAME RESIDENTIAL
PROP. PUMP STATION
FILL AND PLUG
INV. IN = 574.30
INV. OUT = 574.00
Sta. 11+25.23 W.MAIN ST.=
Sta. 20+00.00 FLOOD RUN ST.
N 0° 05' 50" E
℄ CONSTRUCTION WEST MAIN ST.
N 8° 02' 08" E
STA. 10+70 W. MAIN ST.=
STA. 10+00.00 ACCESS DR.
STA. 10+00.00 W. MAIN ST.=
STA. 136+28.50 MAIN ST.
90° TANGENT TO CURVE
TO BE ABANDONED
TWO STORY RESIDENTIAL
TO REMAIN
FLARED END SECTION
POT Sta. 14+89.02
Remove Headwall
14+00 END GUARDRAIL
14+53.68, 10.00' Lt.
TURNAROUND
BEGIN GUARDRAIL
13+99.89, 44.00' Rt.
GUARDRAIL, TYPE 5
To be Capped & Abandoned
SEE SANITARY GENERAL NOTES, "ABANDONMENT AT EXISTING SANITARY LATERAL (OHIO)," SHEET NO. 239.
FOR INFORMATION ONLY. SEE SHEET 144A.
202, PAVEMENT REMOVED
EX. RAILROAD ST.
PROPOSED GRADE
EXISTING GROUND
℄ MAIN STREET
Sta. 10+34.00 Elev. 577.17
Sta. 10+44.00 Elev. 577.34
Sta. 10+84.00 Elev. 579.34
Sta. 10+94.00 Elev. 579.96
Sta. 11+45.00 Meet Existing
-1.56 %
+5.00 %
+7.41 %
+4.32 %
+5.05 %
P.V.I. Sta. 10+89.00
ELEV. 579.59
10' V.C.
P.V.I. Sta. 10+39.00
ELEV. 577.09
10' V.C.
EX. 4" Gas
EX. 12" STORM
8" WATER
EX. 2" WATER
4" SAN F.M.
Sta. 13+44.10 MEET EXISTING
P.V.I. Sta. 13+95.00
Elev. = 595.98
NO V.C.
Sta. 14+53.79 MEET EXISTING
10+00
11+00
12+00
13+00
14+00
HORIZONTAL SCALE IN FEET
REVISION: OHIO REALIGNMENT
DATE: 5/05
BY: SCC
PLAN AND PROFILE WEST MAIN STREET
STA. 10+00 TO STA. 14+89.02
MEG-33-15.70
145
582



NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC
2	SALVAGE PUMP STATION	1/06	SCC

HORIZONTAL SCALE IN FEET

CALCULATED AM
CHECKED JCB

PLAN AND PROFILE FLOOD RUN STREET
STA. 17+60.00 TO STA. 20+00.00

MEG-33-15.70

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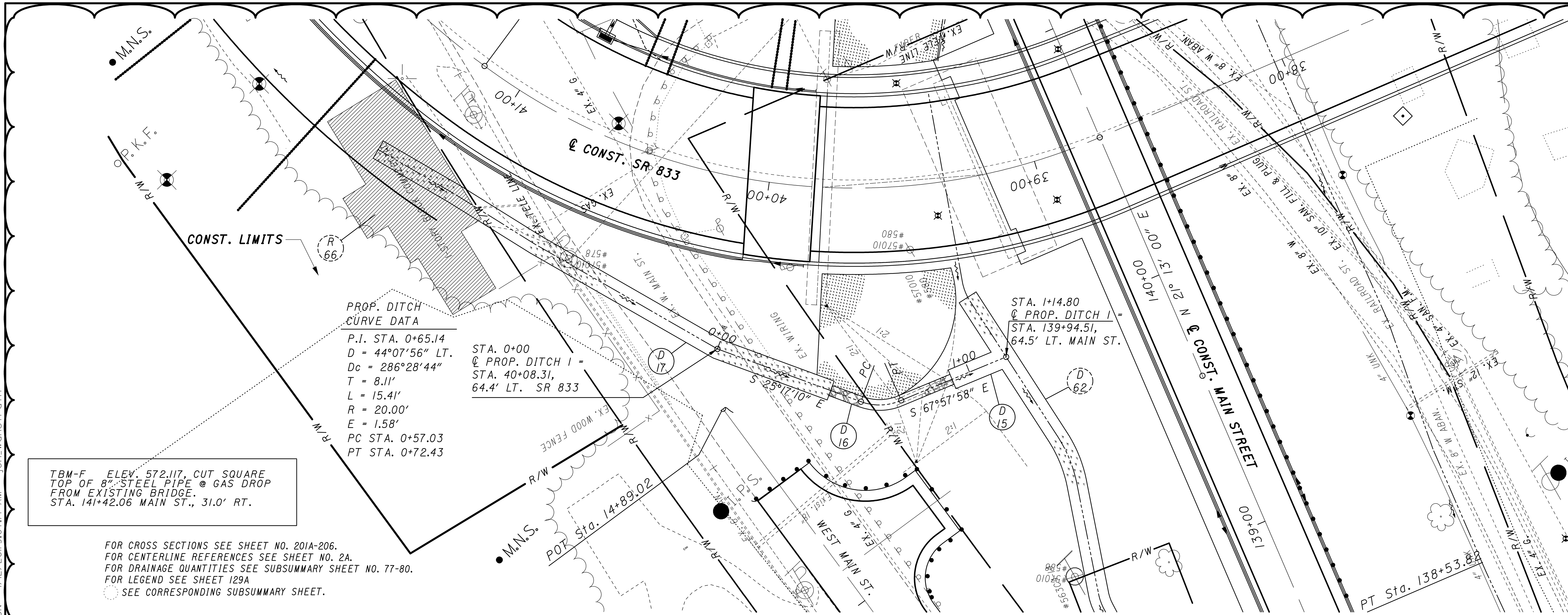

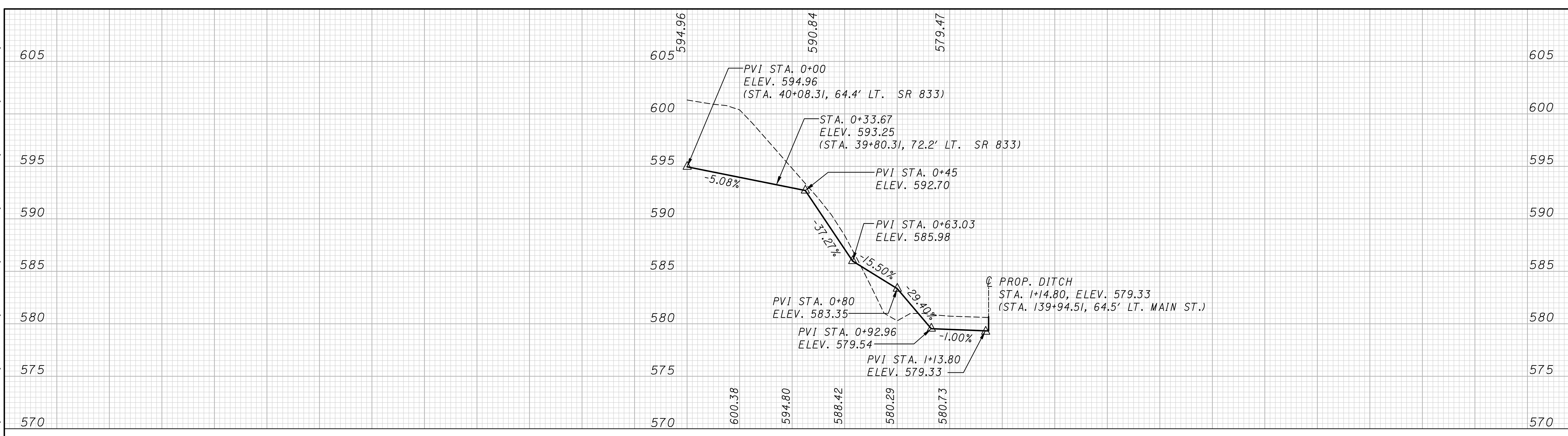

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED AM
CHECKED JGB

HORIZONTAL SCALE IN FEET 0 10 20 40

PLAN AND PROFILE PROPOSED DITCH 1
STA. 0+00 TO STA. 1+14.80

MEG-33-15.70

146A
582

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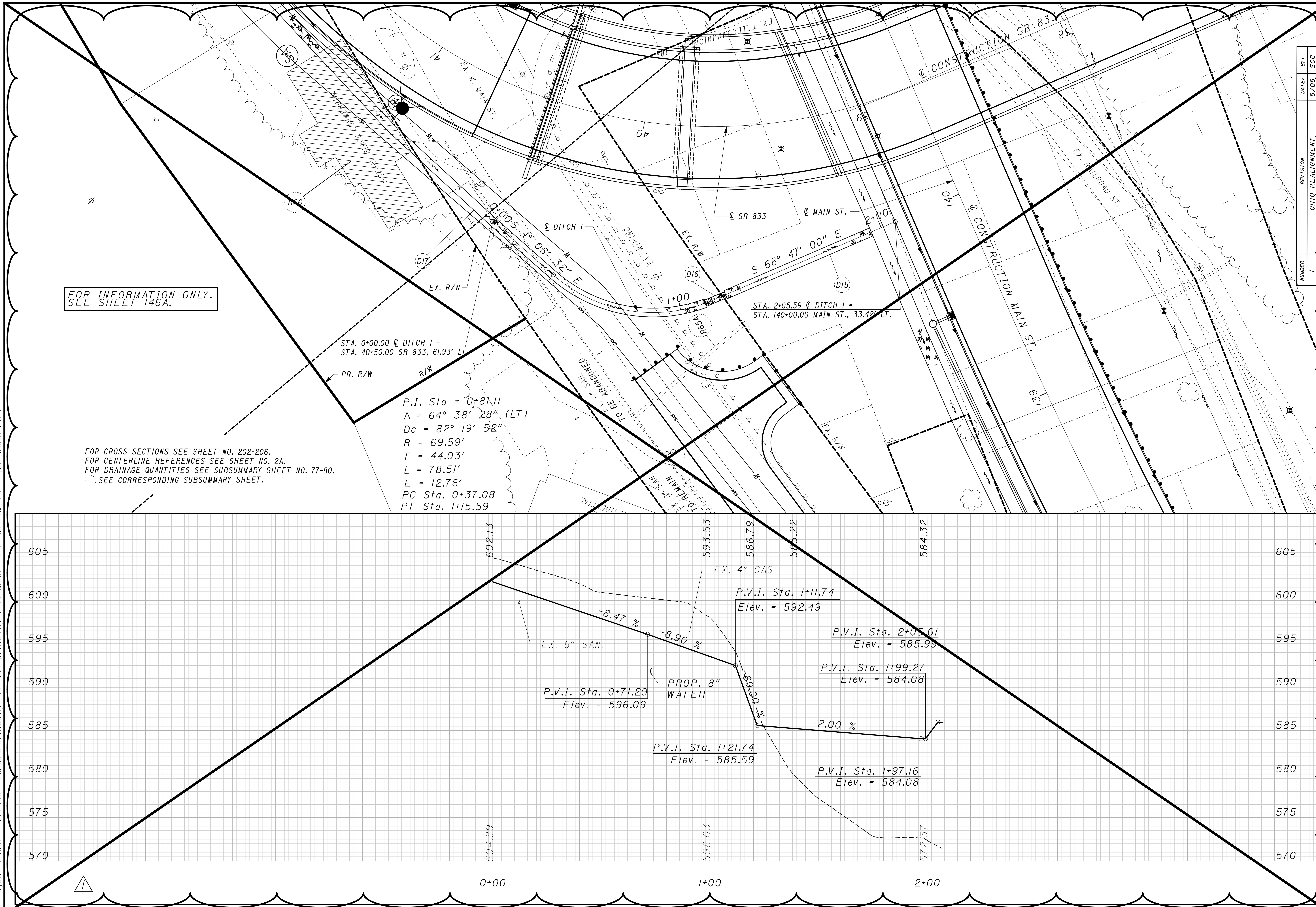
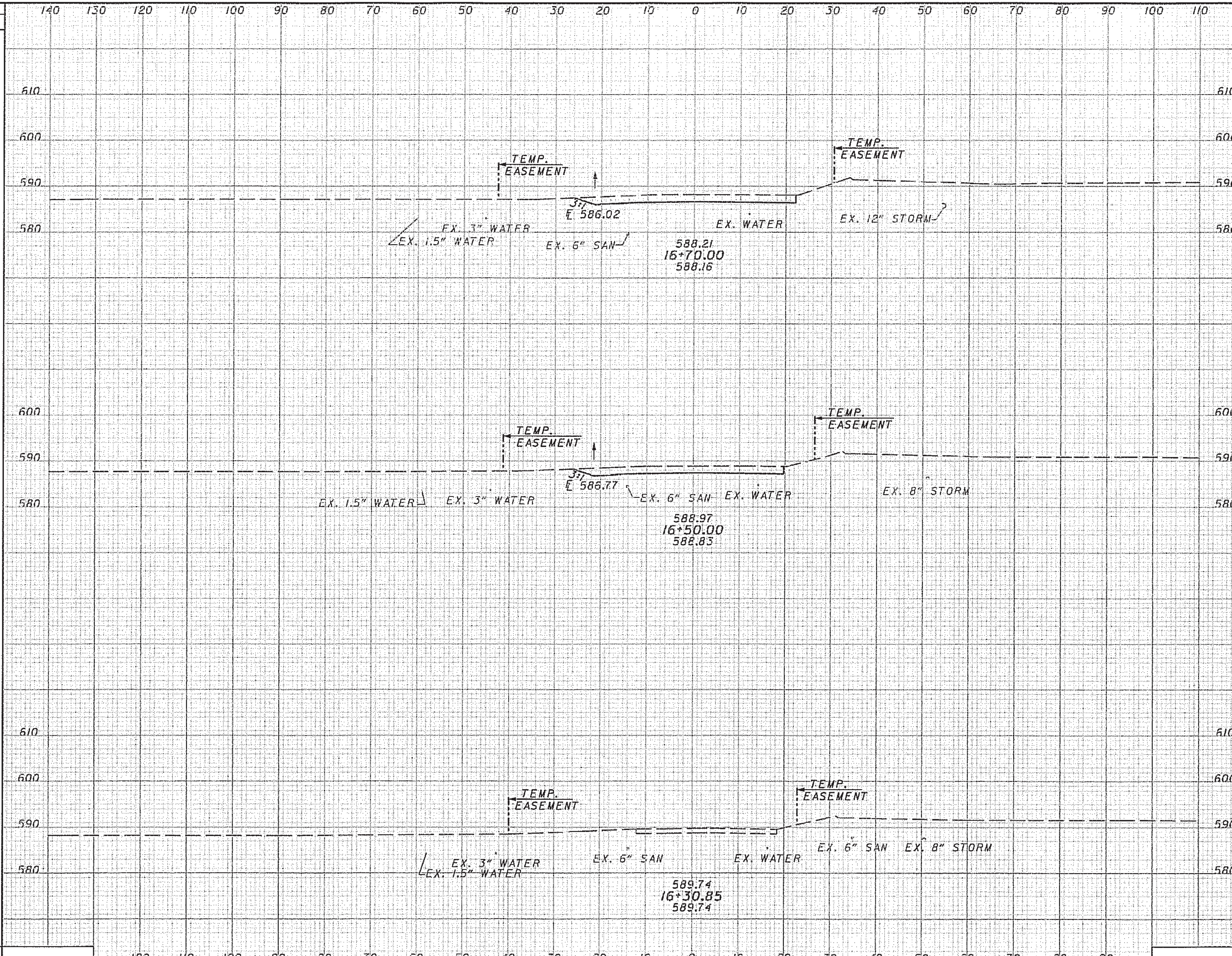


PLAN AND PROFILE PROPOSED DITCH 1
STA. 0+00 TO STA. 2+12

MEG-33-15.70

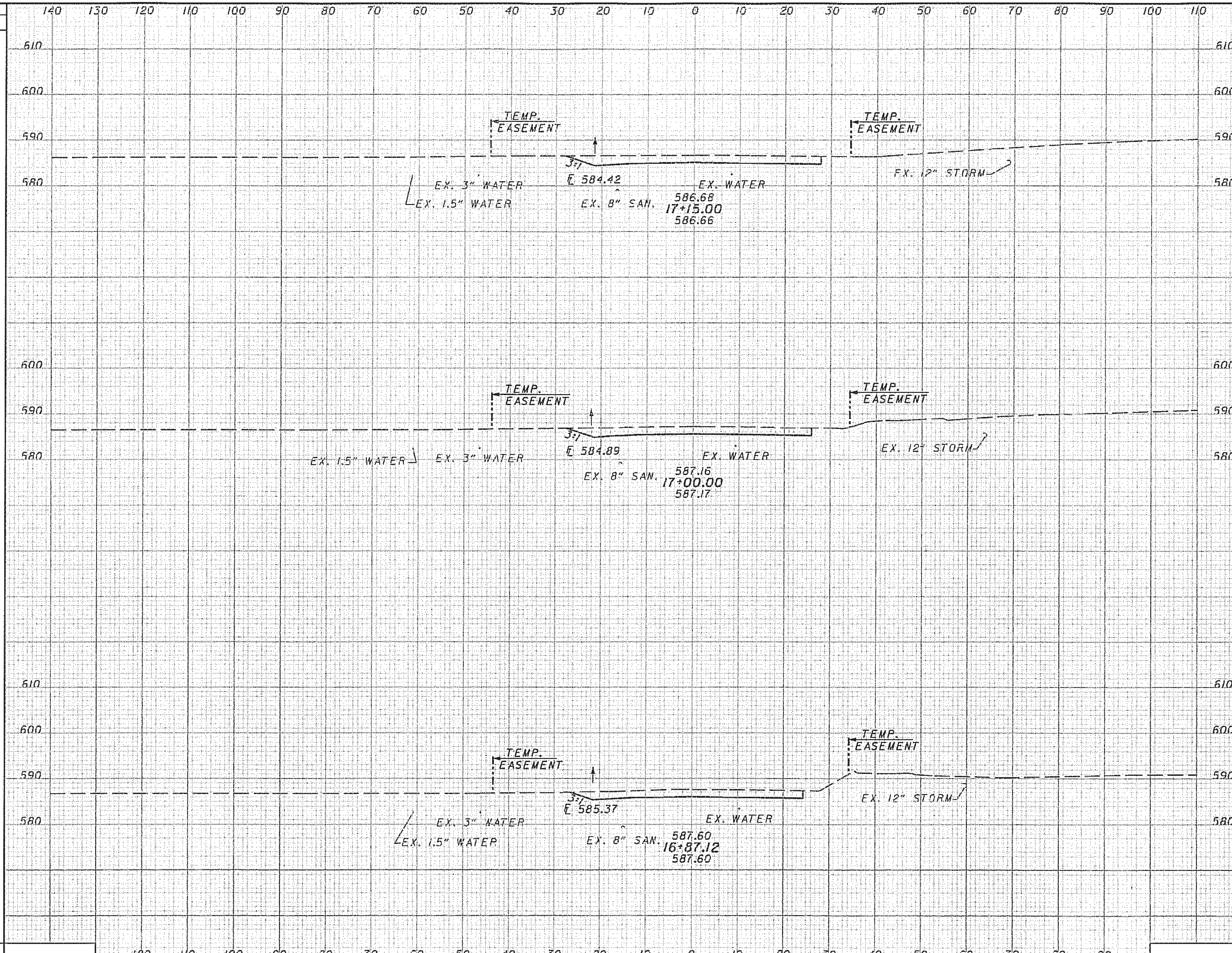
Station	Seeding End Width	Seeding Sq. Yds.	End Area Cut	End Area Fill	Volume Cut	Volume Fill
16+70.00	5		73	0		
		10			52	0
16+50.00	5		67	0		
		9			24	0
16+30.85	0		0	0		
		0			0	0



CALCULATED MHT
CHECKED AM

WALMART DRIVE CROSS SECTIONS
STA. 16+30.85 TO STA. 16+70.00

MEG-33-15.70



Station	Seeding End Width	Seeding Sq. Yds.	End Area Cut	End Area Fill	Volume Cut	Volume Fill
17+15.00	7		91	0		
		11			49	0
17+00.00	6		86	0		
		8			39	0
16+87.12	5		78	0		
		9			100	0

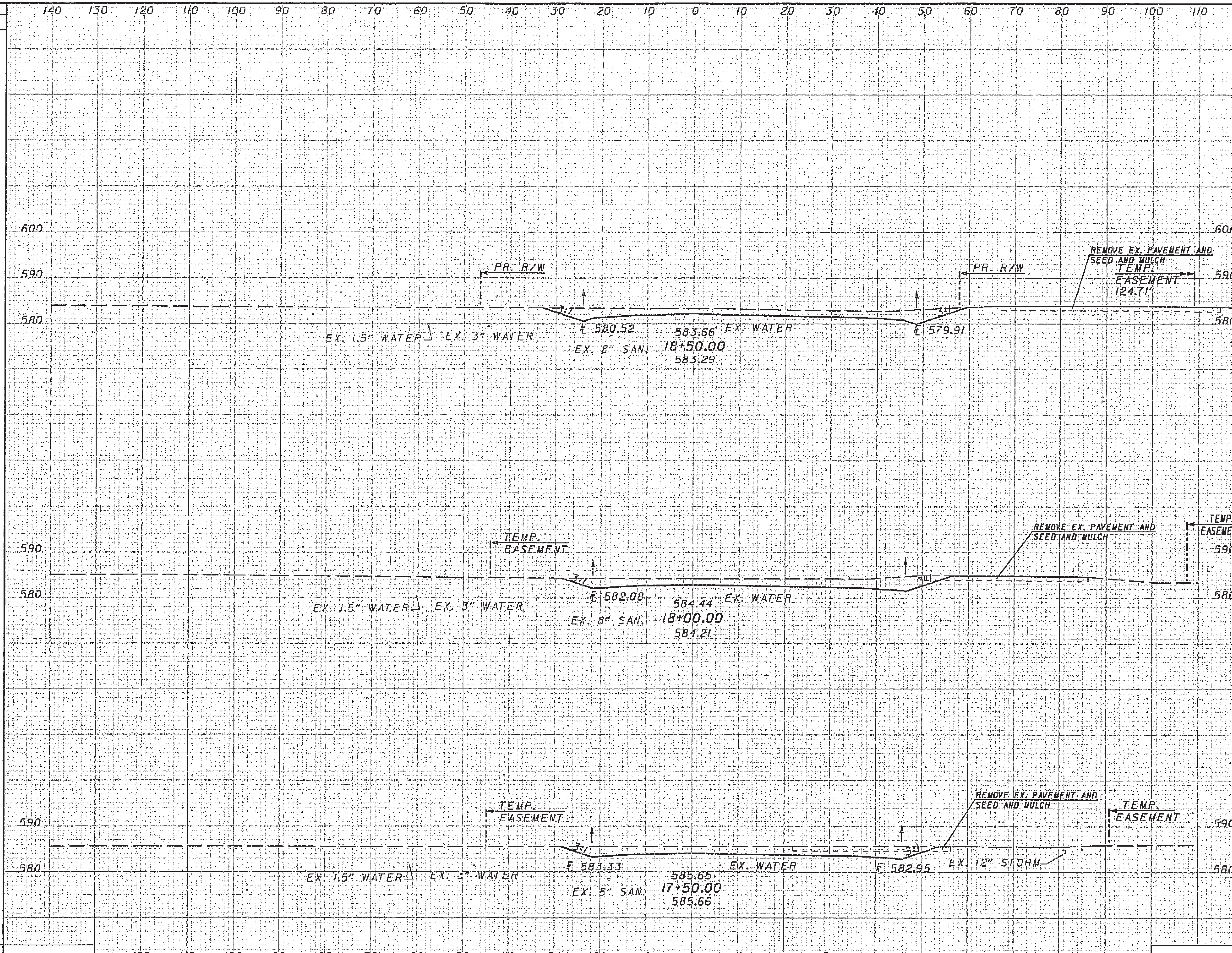
CALCULATED MHT CHECKED AM

WALMART DRIVE CROSS SECTIONS
STA. 16+87.12 TO STA. 17+15.00

MEG-33-15.70

150/582

Seeding End Width	Seeding Sq. Yds.	End Area Cut	End Area Fill	Volume Cut	Volume Fill
81		187	48		
	357			338	73
48		178	31		
	183			306	32
18		153	4		
	49			158	3

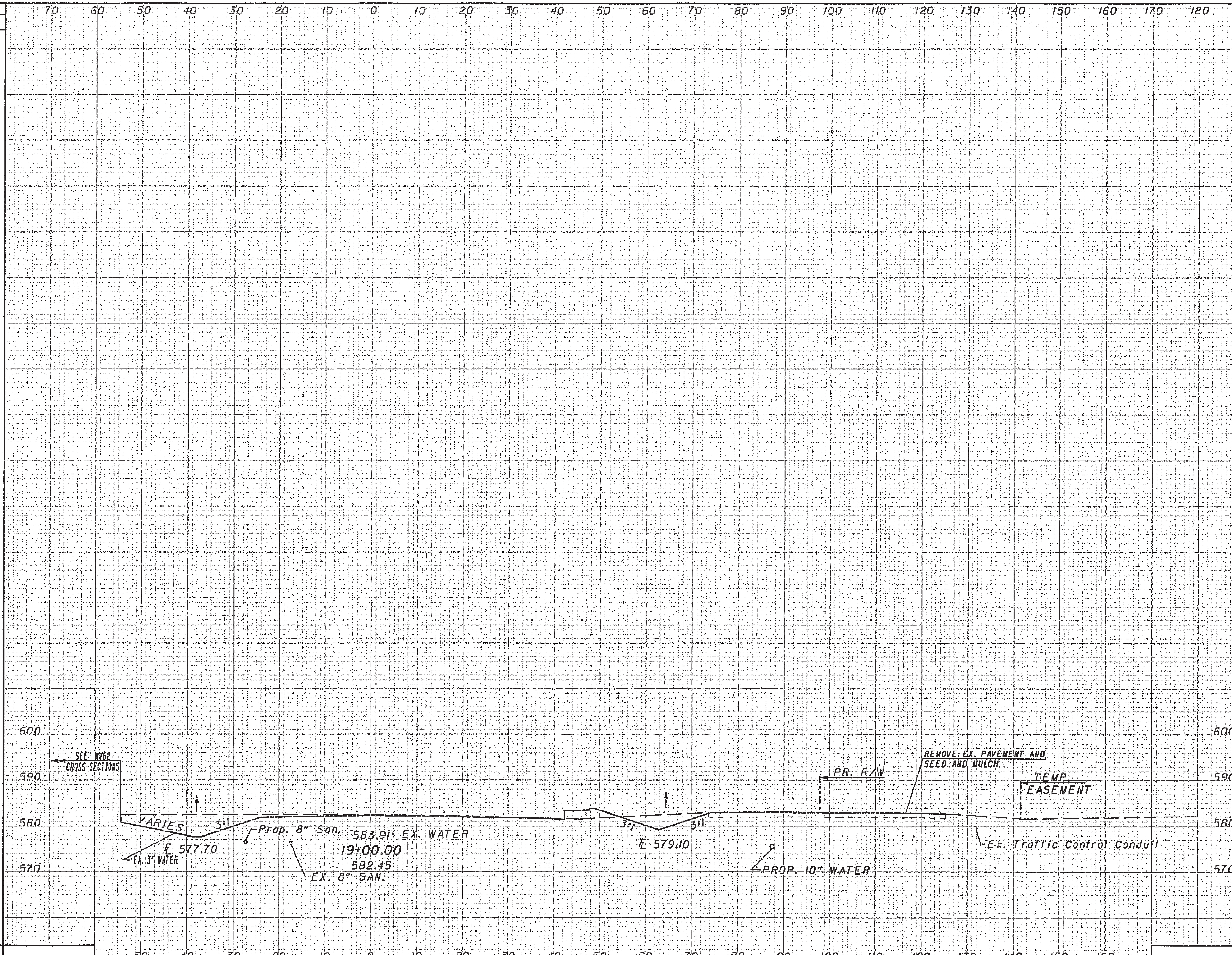


Calculated MHT
Checked AM

WALMART DRIVE CROSS SECTIONS
STA. 17+50.00 TO STA. 18+50.00

MEG-33-15.70

SEEDING	
END WIDTH	SQ. YDS.
109	
	529

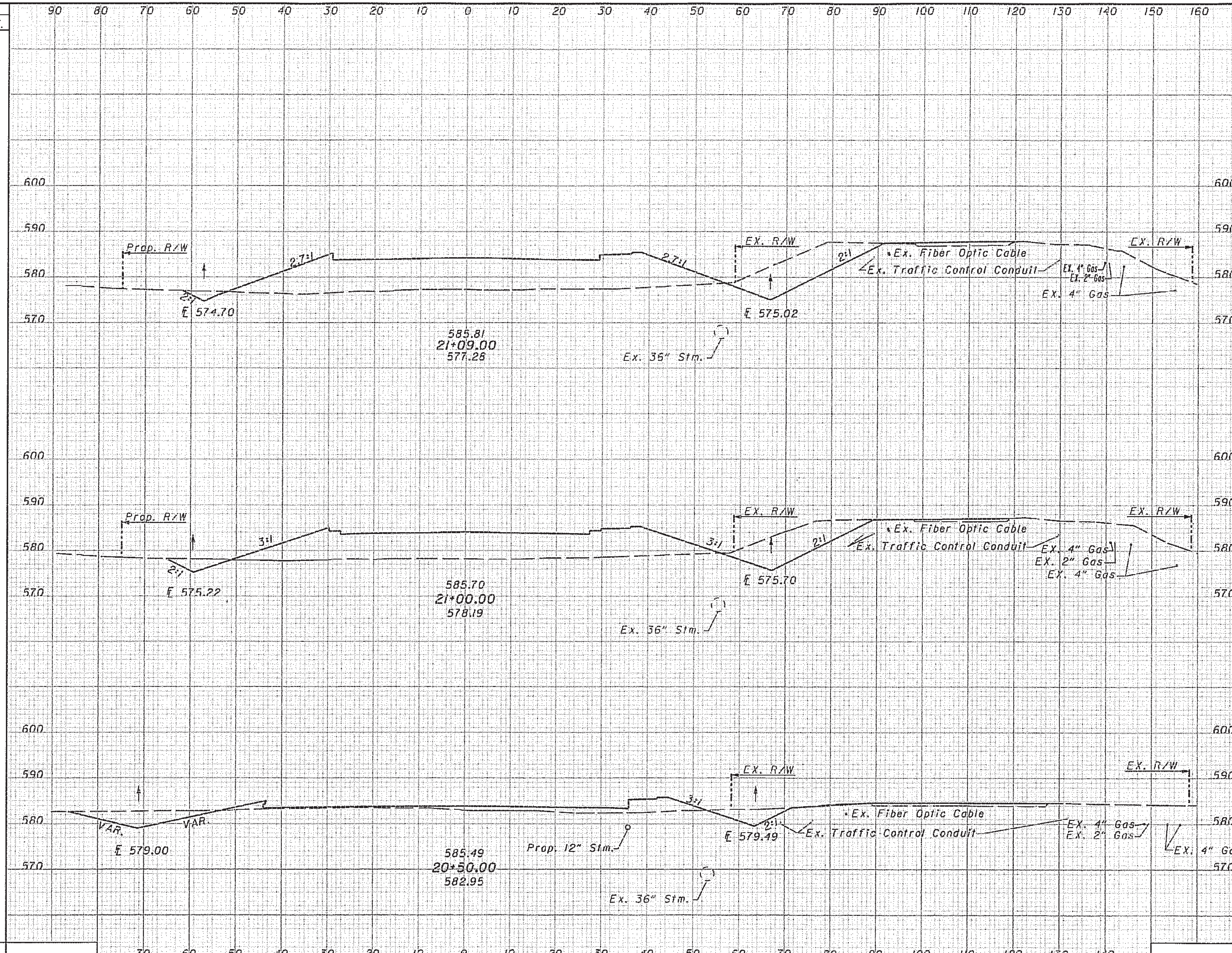


END AREA		VOLUME	
CUT	FILL	CUT	FILL
208	66		
		366	106

CALCULATED MHT
CHECKED AM

WALMART DRIVE CROSS SECTIONS
STA. 19+00.00

MEG-33-15.70

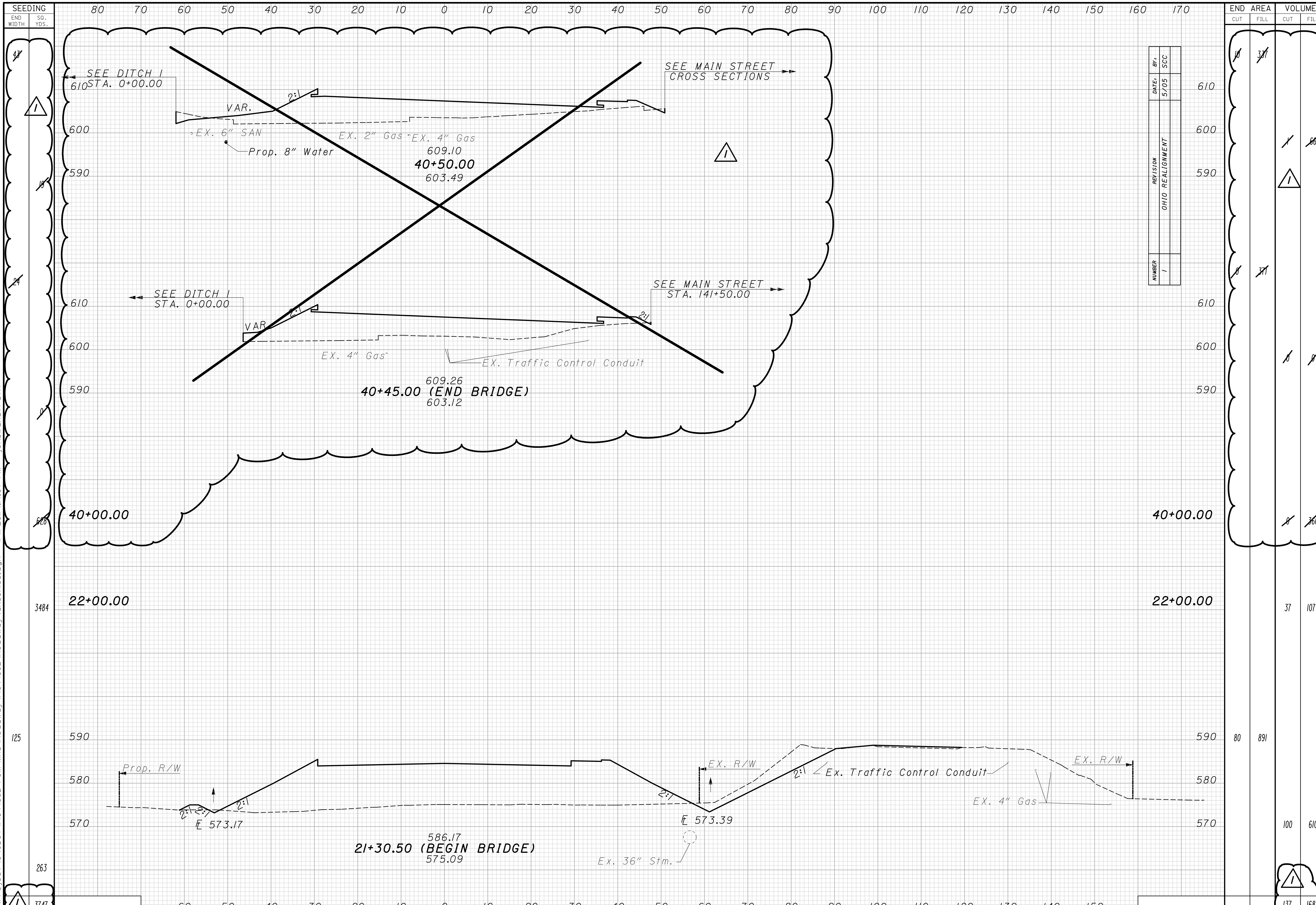


SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
95		170	642		
	110			56	197
125		164	537		
	714			242	609
132		97	121		
	0			0	0

CALCULATED MHT
CHECKED AM

SR 833 CROSS SECTIONS
STA. 20+50.00 TO STA. 21+09.00

MEG-33-15.70



NUMBER 1 | REVISION OHIO REALIGNMENT | DATE: 5/05 | BY: SCC

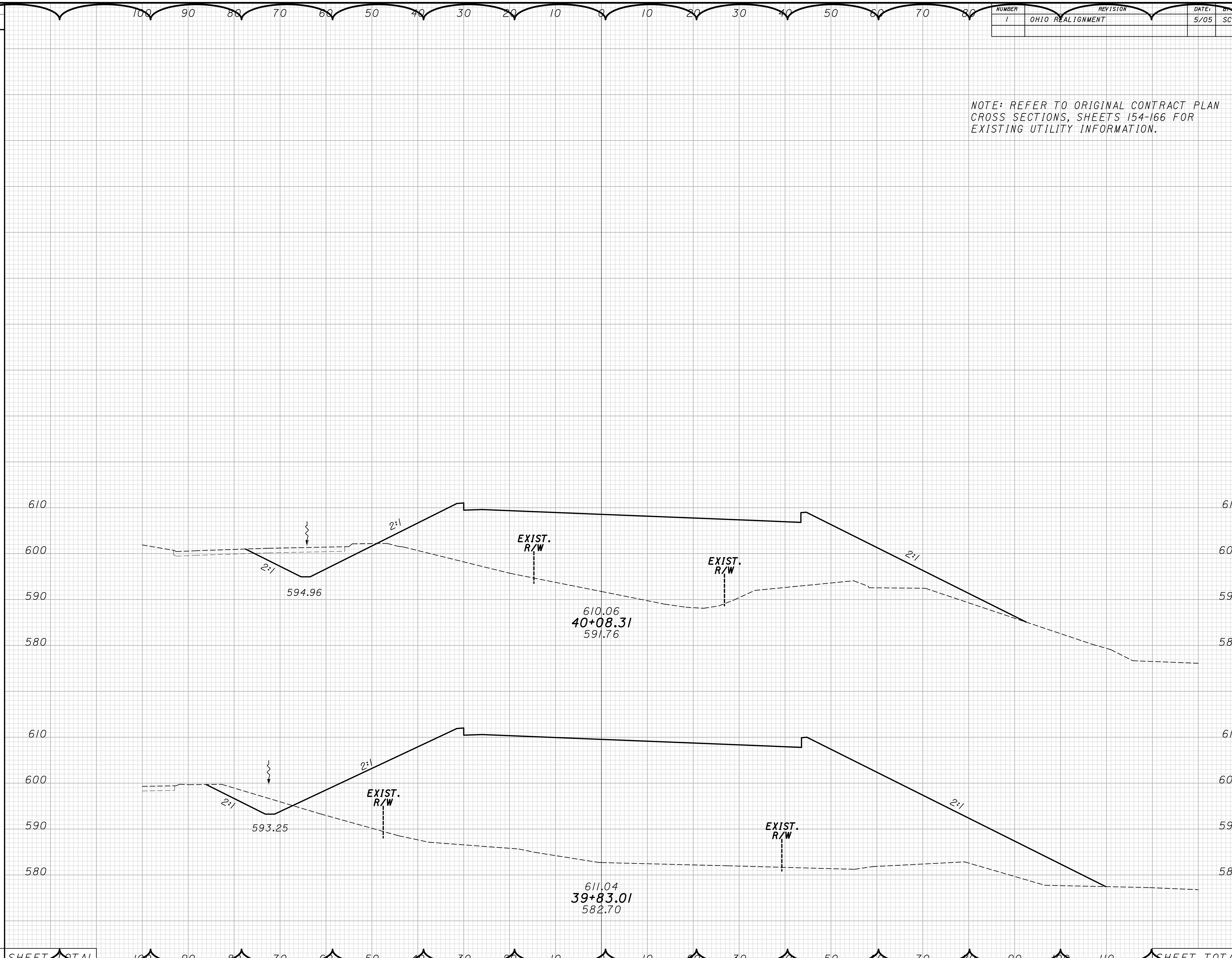
CALCULATED MHT
CHECKED AM

SR 833 CROSS SECTIONS
STA. 21+30.50 TO STA. 40+50.00

MEG-33-15.70

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

NOTE: REFER TO ORIGINAL CONTRACT PLAN CROSS SECTIONS, SHEETS 154-166 FOR EXISTING UTILITY INFORMATION.



SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
129		97	1610		
	404			65	2298
158		40	3293		
SHEET TOTAL	404	SHEET TOTAL		65	2298

CALCULATED MAL
CHECKED SCC

SR 833 CROSS SECTIONS
STA. 39+83.01 TO 40+08.31

MEG-33-15.70

154A
582

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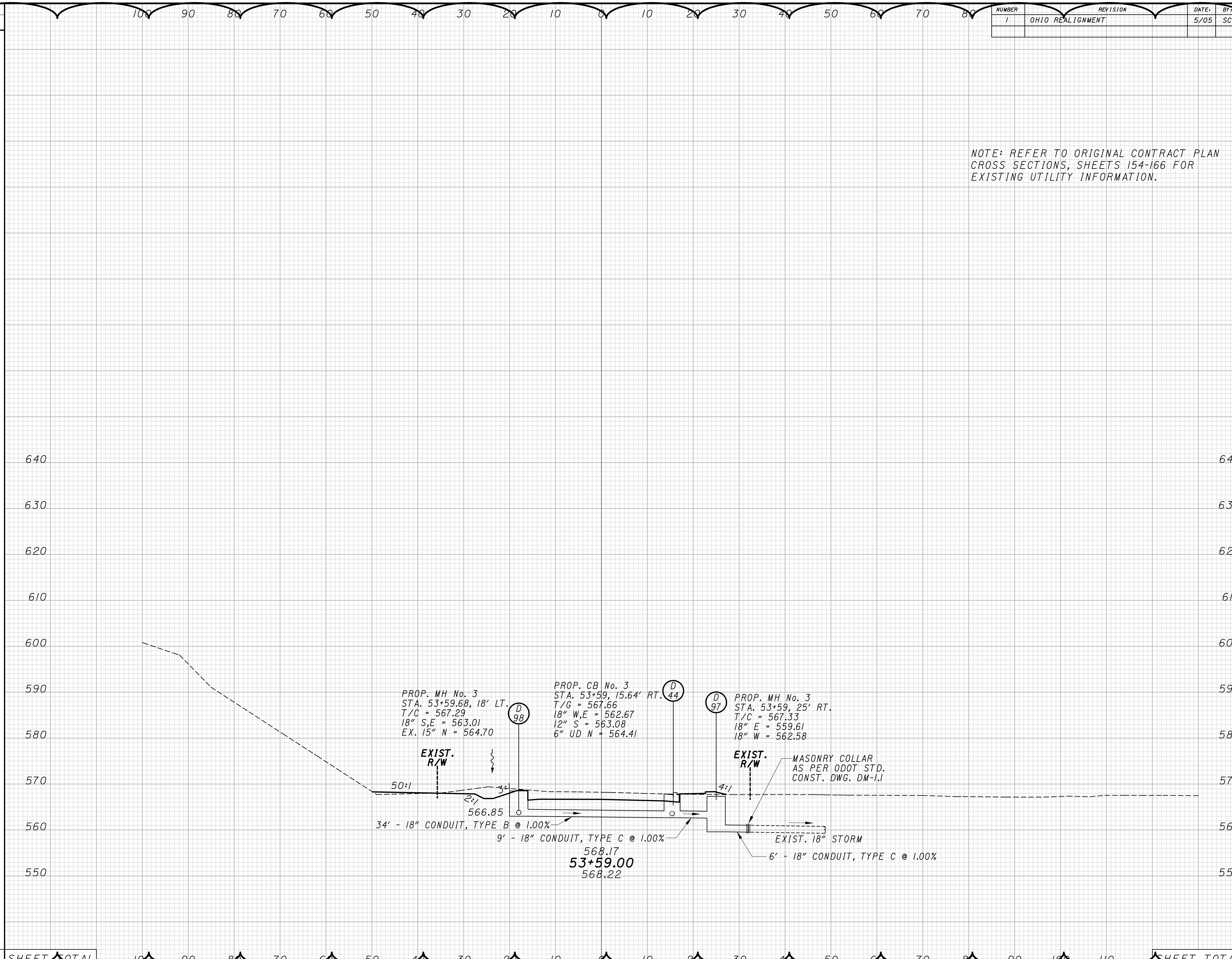
NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

SEEDING	
END WIDTH	SQ. YDS.
60	
	348
348	SHEET TOTAL



END AREA		VOLUME	
CUT	FILL	CUT	FILL
73	5		
		182	10
		182	10

CALCULATED MAL
CHECKED SCC

SR 833 CROSS SECTIONS
STA. 53+59.00

MEG-33-15.70

154AA
582

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Revision number	Revision	Date	By
1	OHIO REALIGNMENT	5/05	SCC

SEEDING: GND WIDTH	SEEDING: SQ. YDS.	END AREA: CUT	END AREA: FILL	VOLUME: CUT	VOLUME: FILL
38		56	6		
	196			86	8
SHEET TOTAL	196			86	8

CALCULATED MAL
CHECKED SCC

SR 833 CROSS SECTIONS
STA. 53+95.00 TO 54+50.00

MEG-33-15.70

154AB
582

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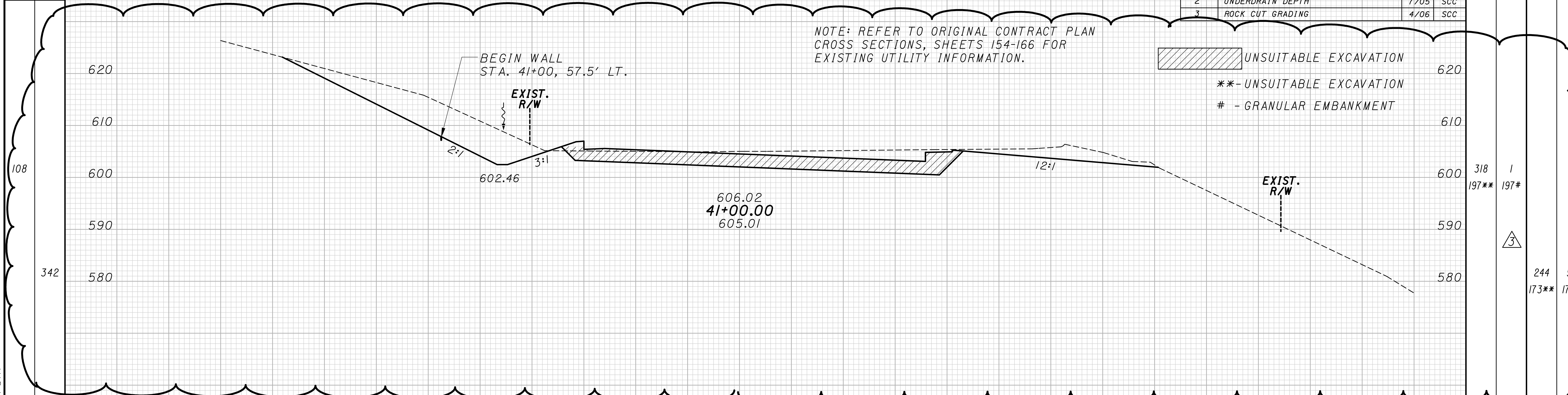
NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC
2	UNDERDRAIN DEPTH	7/05	SCC
3	ROCK CUT GRADING	4/06	SCC

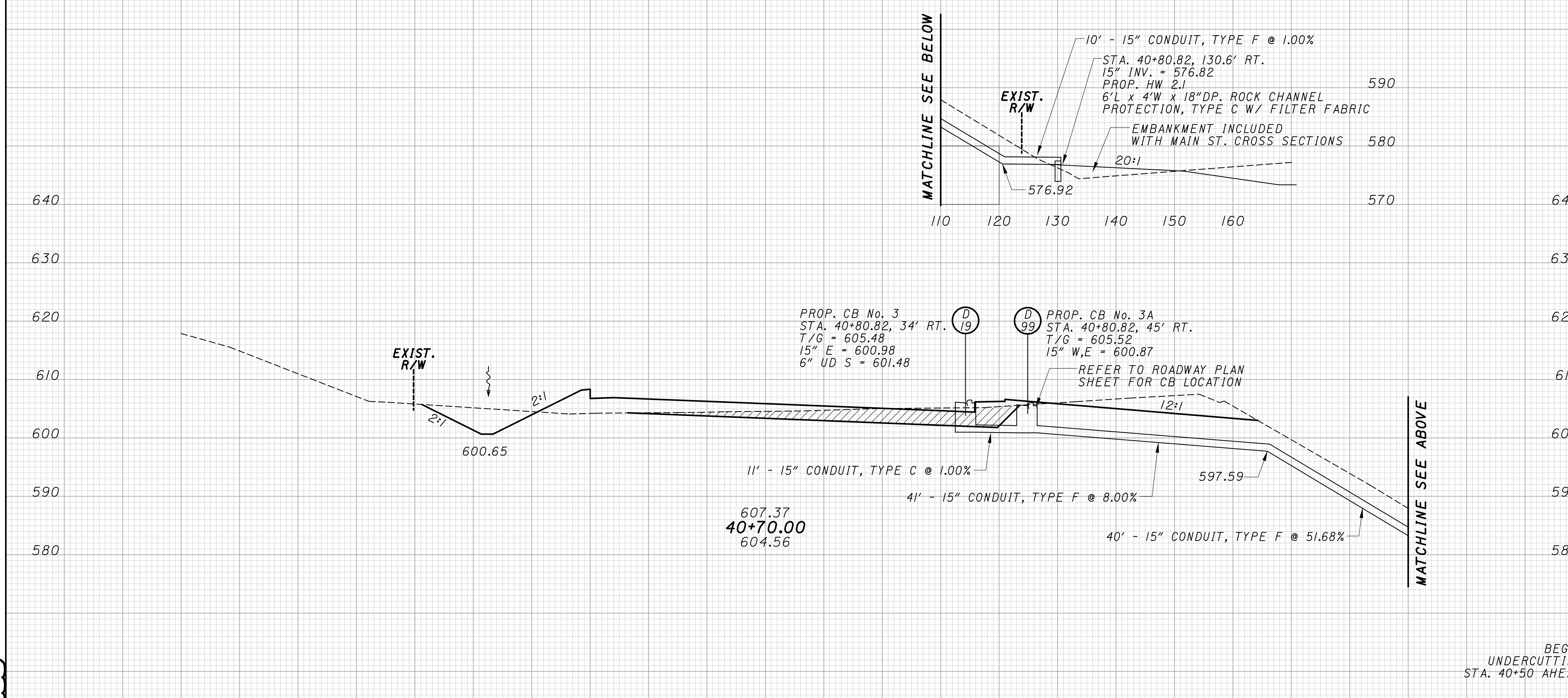
CALCULATED MAL
CHECKED SCC

SR 833 CROSS SECTIONS
STA. 40+70.00 TO 41+00.00

NOTE: REFER TO ORIGINAL CONTRACT PLAN CROSS SECTIONS, SHEETS 154-166 FOR EXISTING UTILITY INFORMATION.

UNSUITABLE EXCAVATION
**-UNSUITABLE EXCAVATION
- GRANULAR EMBANKMENT





SEEDING END WIDTH	SEEDING SQ. YDS.	STATION	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
108		41+00.00	318 197**	1 197#		
	342				244 173**	58 173#
97		40+70.00	121 115**	103 115#		
	775				250 43**	1957 43#
		BEGIN UNDERCUTTING	0**	0#		
	1117	SHEET TOTAL			216** 494	216# 2015

MEG-33-15.70

154B
582

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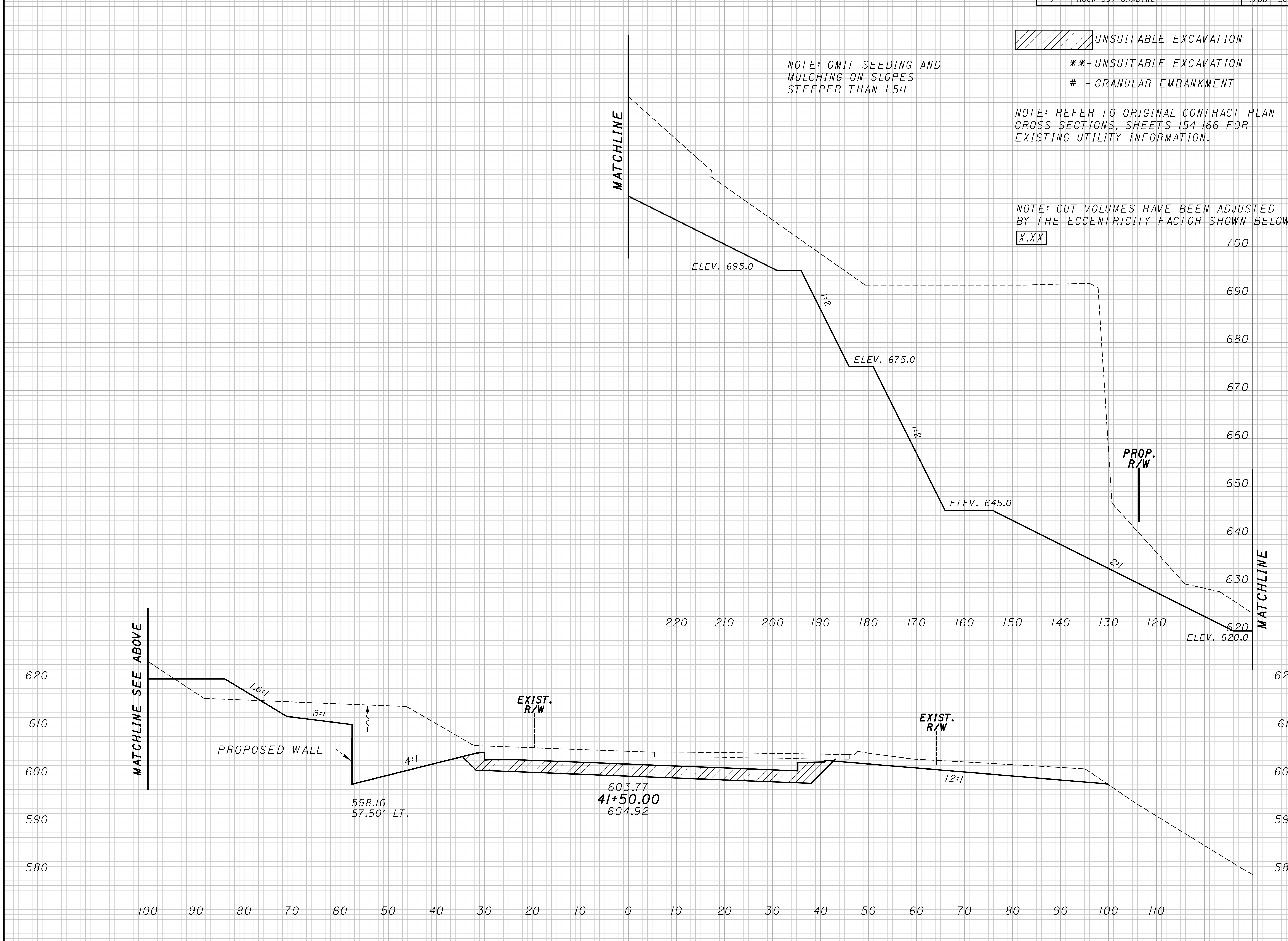
NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC
2	RETAINING WALL GRADING	9/05	SCC
3	ROCK CUT GRADING	4/06	SCC

SEEDING	
END WIDTH	SQ. YDS.
374	1339
	1339 SHEET TOTAL



END AREA		VOLUME	
CUT	FILL	CUT	FILL
8210	46		
196**	196#		
		1.47	
		11608	44
		364**	364#
		364**	364#
SHEET TOTAL		11608	44

CALCULATED MAL CHECKED SCC

SR 833 CROSS SECTIONS STA. 41+50.00

MEG-33-15.70

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC
2	RETAINING WALL GRADING	9/05	SCC
3	ROCK CUT GRADING	4/06	SCC

SEEDING		END AREA		VOLUME	
END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL

NOTE: OMIT SEEDING AND MULCHING ON SLOPES STEEPER THAN 1.5:1

UNSUITABLE EXCAVATION

**-UNSUITABLE EXCAVATION

- GRANULAR EMBANKMENT

NOTE: REFER TO ORIGINAL CONTRACT PLAN CROSS SECTIONS, SHEETS 154-166 FOR EXISTING UTILITY INFORMATION.

3

NOTE: CUT VOLUMES HAVE BEEN ADJUSTED BY THE ECCENTRICITY FACTOR SHOWN BELOW

X.XX

SHEET TOTAL

SHEET TOTAL

CALCULATED MAL

CHECKED SCC

SR 833 CROSS SECTIONS
STA. 41+50.00

MEG-33-15.70

154C-2
582

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC
2	RETAINING WALL GRADING	9/05	SCC
3	ROCK CUT GRADING	4/06	SCC

NOTE: OMIT SEEDING AND MULCHING ON SLOPES STEEPER THAN 1.5:1

UNSUITABLE EXCAVATION

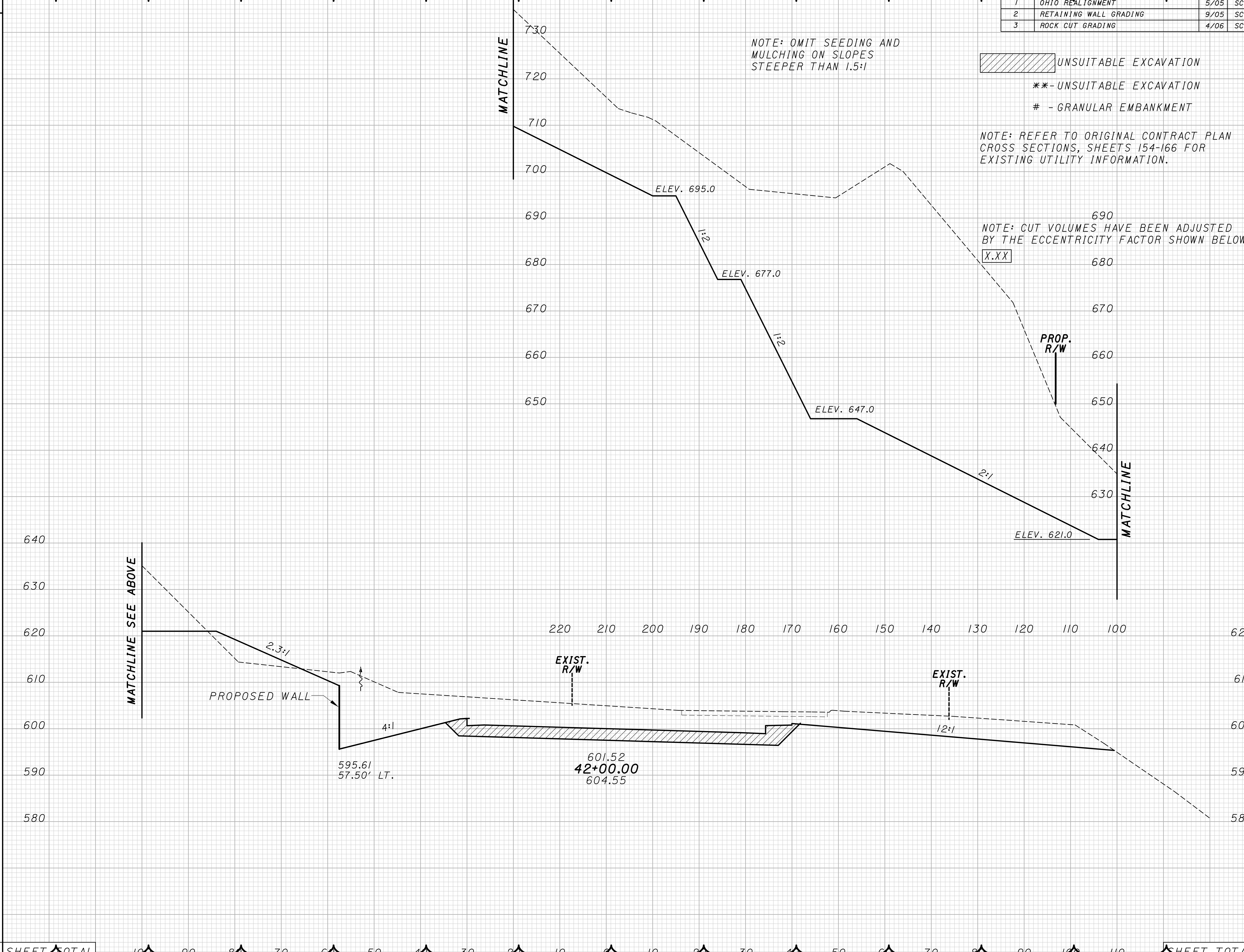
**-UNSUITABLE EXCAVATION

- GRANULAR EMBANKMENT

NOTE: REFER TO ORIGINAL CONTRACT PLAN CROSS SECTIONS, SHEETS 154-166 FOR EXISTING UTILITY INFORMATION.

NOTE: CUT VOLUMES HAVE BEEN ADJUSTED BY THE ECCENTRICITY FACTOR SHOWN BELOW

X.XX



SEEDING	
END WIDTH	SQ. YDS.
420	2206
	2206 SHEET TOTAL

END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
11682	48	1.78	
192**	192#	32785	87
		359**	359#
		359**	359#
		32785	87

SHEET TOTAL

CALCULATED MAL CHECKED SCC

SR 833 CROSS SECTIONS STA. 42+00.00

MEG-33-15.70

154D / 582

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC
2	RETAINING WALL GRADING	9/05	SCC
3	ROCK CUT GRADING	4/06	SCC

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

3

NOTE: OMIT SEEDING AND MULCHING ON SLOPES STEEPER THAN 1.5:1

UNSUITABLE EXCAVATION

**-UNSUITABLE EXCAVATION

- GRANULAR EMBANKMENT

NOTE: REFER TO ORIGINAL CONTRACT PLAN CROSS SECTIONS, SHEETS 154-166 FOR EXISTING UTILITY INFORMATION.

NOTE: CUT VOLUMES HAVE BEEN ADJUSTED BY THE ECCENTRICITY FACTOR SHOWN BELOW

X.XX

SHEET TOTAL

SHEET TOTAL

CALCULATED MAL

CHECKED SCC

SR 833 CROSS SECTIONS
STA. 42+00.00

MEG-33-15.70

154D-2
582

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NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC
2	RETAINING WALL GRADING	9/05	SCC
3	ROCK CUT GRADING	4/06	SCC

NOTE: OMIT SEEDING AND MULCHING ON SLOPES STEEPER THAN 1.5:1

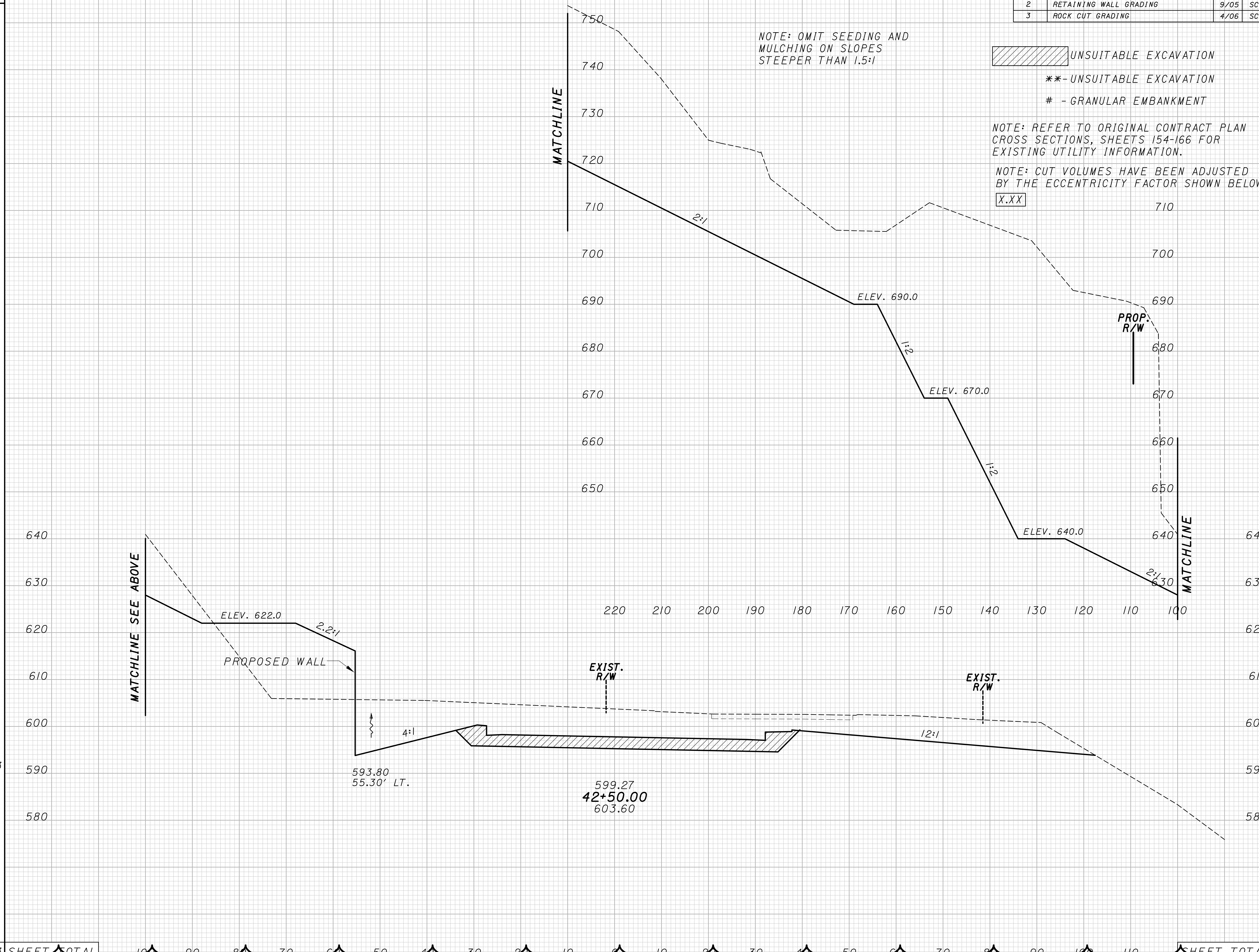
UNSUITABLE EXCAVATION

**-UNSUITABLE EXCAVATION

- GRANULAR EMBANKMENT

NOTE: REFER TO ORIGINAL CONTRACT PLAN CROSS SECTIONS, SHEETS 154-166 FOR EXISTING UTILITY INFORMATION.

NOTE: CUT VOLUMES HAVE BEEN ADJUSTED BY THE ECCENTRICITY FACTOR SHOWN BELOW $\boxed{X.XX}$



SEEDING	
END WIDTH	SQ. YDS.
434	
	2373
2373	SHEET TOTAL

END AREA		VOLUME	
CUT	FILL	CUT	FILL
	3		
12136	350		
188**	188#		
		1.13	
		24921	369
		352**	352#
		352**	352#
SHEET TOTAL		24921	369

CALCULATED MAL

CHECKED SCC

SR 833 CROSS SECTIONS
STA. 42+50.00

MEG-33-15.70

154E / 582

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC
2	RETAINING WALL GRADING	9/05	SCC
3	ROCK CUT GRADING	4/06	SCC

NOTE: OMIT SEEDING AND MULCHING ON SLOPES STEEPER THAN 1.5:1

UNSUITABLE EXCAVATION

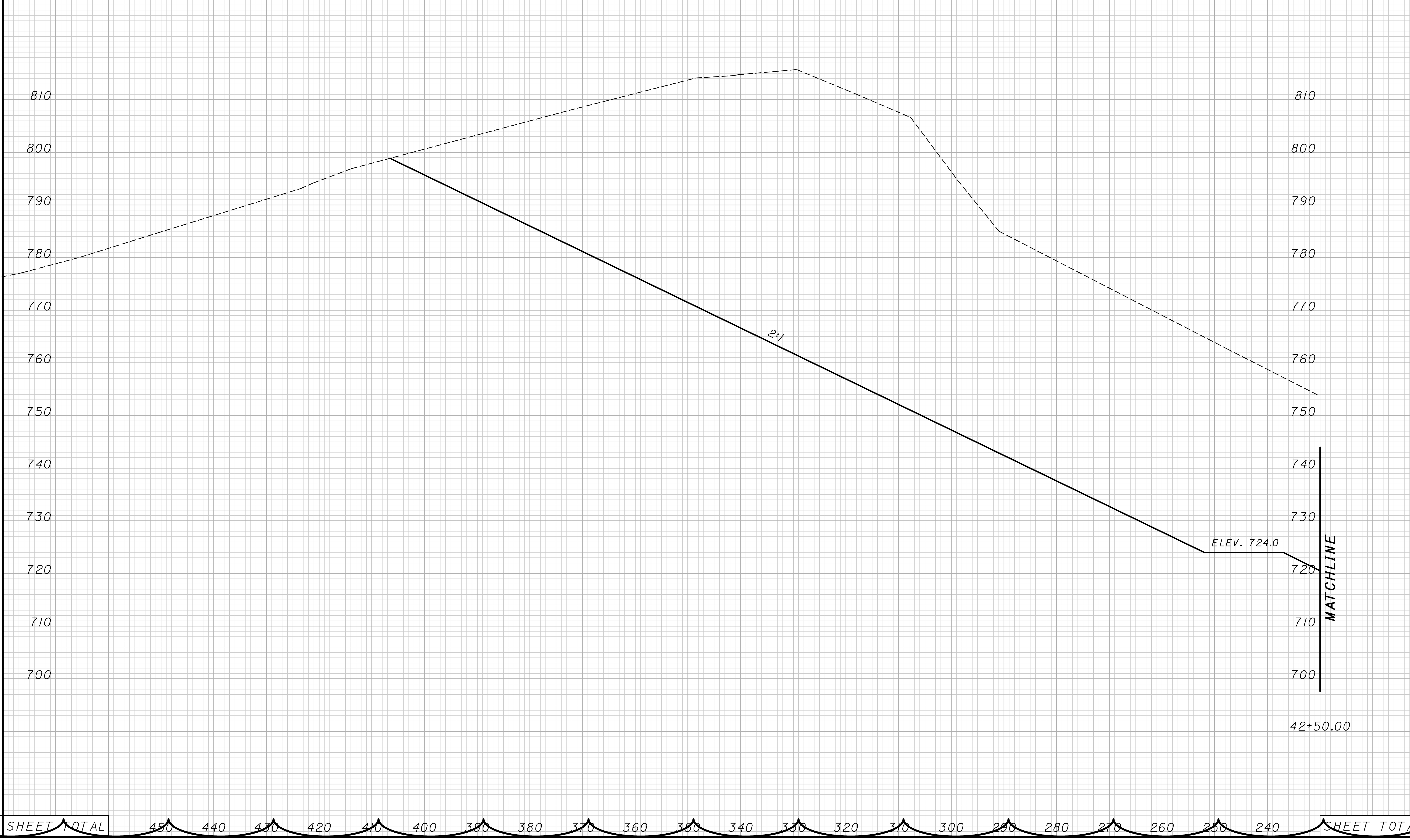
**-UNSUITABLE EXCAVATION

- GRANULAR EMBANKMENT

NOTE: REFER TO ORIGINAL CONTRACT PLAN CROSS SECTIONS, SHEETS 154-166 FOR EXISTING UTILITY INFORMATION.

NOTE: CUT VOLUMES HAVE BEEN ADJUSTED BY THE ECCENTRICITY FACTOR SHOWN BELOW

X.XX



SEEDING: END WIDTH | SQ. YDS.

END AREA: CUT | FILL

VOLUME: CUT | FILL

SHEET TOTAL

SHEET TOTAL

CALCULATED MAL

CHECKED SCC

SR 833 CROSS SECTIONS
STA. 42+50.00

MEG-33-15.70

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC
2	UNDERDRAIN DEPTH	7/05	SCC
3	RETAINING WALL GRADING	9/05	SCC
4	ROCK CUT GRADING	4/06	SCC

NOTE: OMIT SEEDING AND MULCHING ON SLOPES STEEPER THAN 1.5:1

UNSUITABLE EXCAVATION

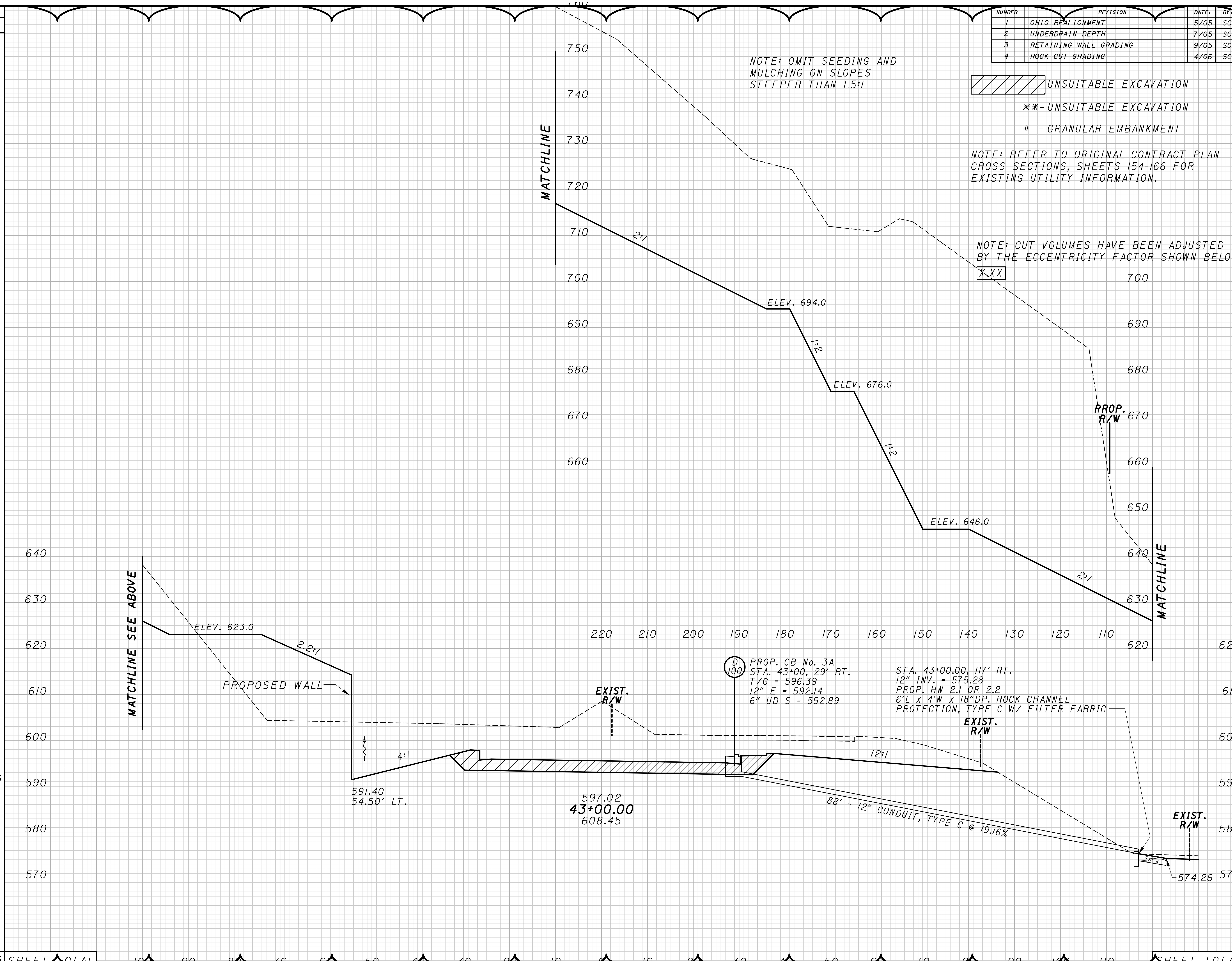
✱✱-UNSUITABLE EXCAVATION

\# - GRANULAR EMBANKMENT

NOTE: REFER TO ORIGINAL CONTRACT PLAN CROSS SECTIONS, SHEETS 154-166 FOR EXISTING UTILITY INFORMATION.

NOTE: CUT VOLUMES HAVE BEEN ADJUSTED BY THE ECCENTRICITY FACTOR SHOWN BELOW

X.XX



SEEDING	
AVG. WIDTH	SQ. YDS.
444	
	2439
	2439

SHEET TOTAL

END AREA		VOLUME	
CUT	FILL	CUT	FILL
13056	400		
183✱✱	183#		
		1.13	
		26358	694
		344✱✱	344#
		344✱✱	344#
		26358	694

SHEET TOTAL

CALCULATED MAL CHECKED SCC

SR 833 CROSS SECTIONS
STA. 43+00.00

MEG-33-15.70

154F
582

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SEEDING
END WIDTH
SQ. YDS.
450 440 430 420 410 400 390 380 370 360 350 340 330 320 310 300 290 280 270
NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC
2	UNDERDRAIN DEPTH	7/05	SCC
3	RETAINING WALL GRADING	9/05	SCC
4	ROCK CUT GRADING	4/06	SCC
END AREA
VOLUME
CUT
FILL
CUT
FILL
CALCULATED MAL
CHECKED SCC
NOTE: OMIT SEEDING AND MULCHING ON SLOPES STEEPER THAN 1.5:1
UNSUITABLE EXCAVATION
**-UNSUITABLE EXCAVATION
- GRANULAR EMBANKMENT
NOTE: REFER TO ORIGINAL CONTRACT PLAN CROSS SECTIONS, SHEETS 154-166 FOR EXISTING UTILITY INFORMATION.
NOTE: CUT VOLUMES HAVE BEEN ADJUSTED BY THE ECCENTRICITY FACTOR SHOWN BELOW
X.XX
820
810
800
790
780
770
760
750
740
730
720
710
700
2:1
ELEV. 782.0
2:1
ELEV. 723.0
MATCHLINE
43+00.00
4
SHEET TOTAL
450 440 430 420 410 400 390 380 370 360 350 340 330 320 310 300 290 280 270 260 250 240
SHEET TOTAL
SR 833 CROSS SECTIONS
STA. 43+00.00
MEG-33-15.70
154F-2
582
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NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC
2	RETAINING WALL GRADING	9/05	SCC
3	ROCK CUT GRADING	4/06	SCC

NOTE: OMIT SEEDING AND MULCHING ON SLOPES STEEPER THAN 1.5:1

UNSUITABLE EXCAVATION

**-UNSUITABLE EXCAVATION

- GRANULAR EMBANKMENT

NOTE: REFER TO ORIGINAL CONTRACT PLAN CROSS SECTIONS, SHEETS 154-166 FOR EXISTING UTILITY INFORMATION.

NOTE: CUT VOLUMES HAVE BEEN ADJUSTED BY THE ECCENTRICITY FACTOR SHOWN BELOW

X.XX

SEEDING	
END WIDTH	SQ. YDS.
464	2523
	2523

SHEET TOTAL

END AREA		VOLUME	
CUT	FILL	CUT	FILL
14978	312		
180**	180#		
		1.14	
		29591	659
		336**	336#
		336**	336#
		29591	659

3

SHEET TOTAL

CALCULATED MAL
CHECKED SCC

SR 833 CROSS SECTIONS
STA. 43+50.00

MEG-33-15.70

154G
582

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NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC
2	RETAINING WALL GRADING	9/05	SCC
3	ROCK CUT GRADING	4/06	SCC

NOTE: OMIT SEEDING AND MULCHING ON SLOPES STEEPER THAN 1.5:1

UNSUITABLE EXCAVATION

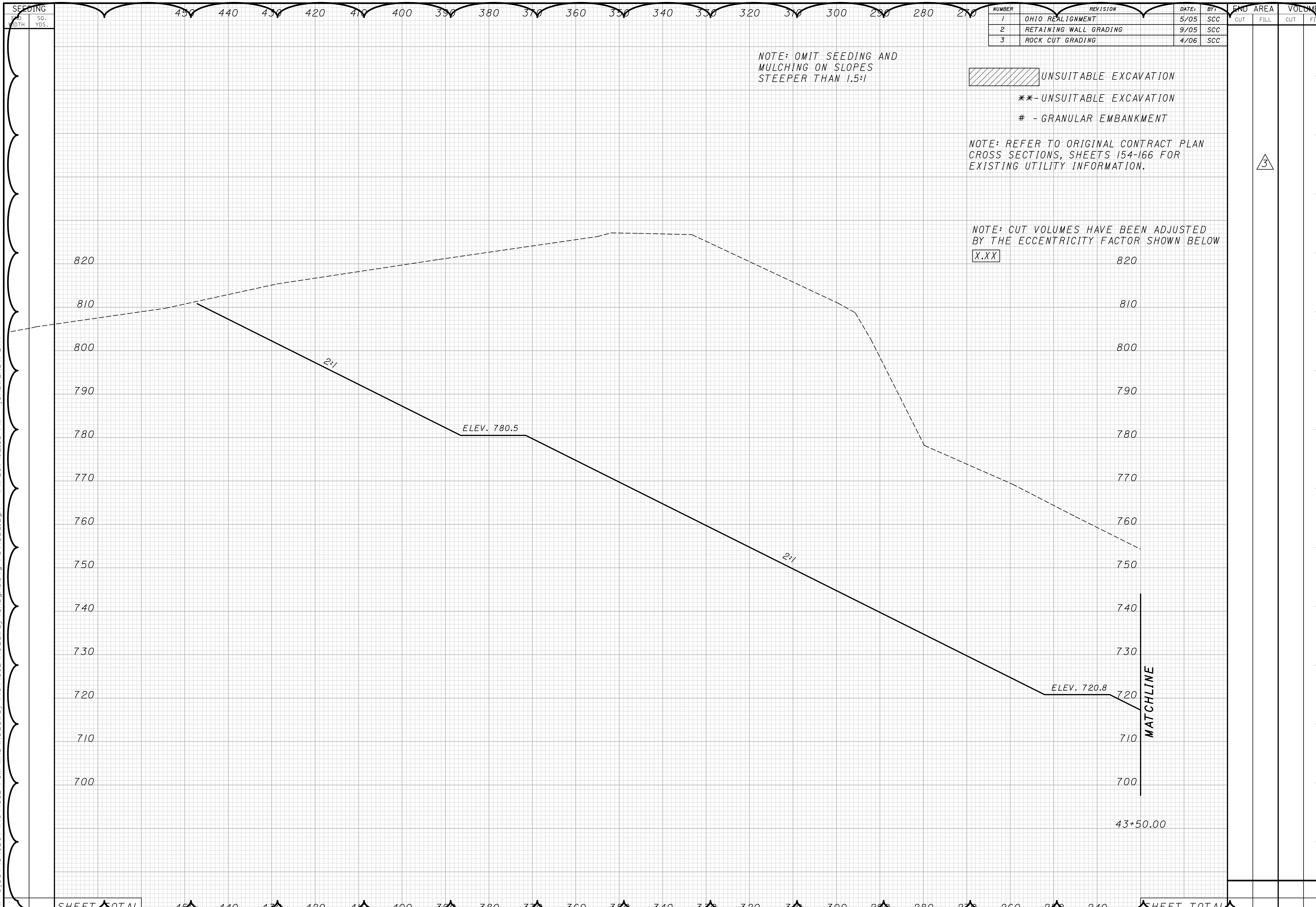
**-UNSUITABLE EXCAVATION

- GRANULAR EMBANKMENT

NOTE: REFER TO ORIGINAL CONTRACT PLAN CROSS SECTIONS, SHEETS 154-166 FOR EXISTING UTILITY INFORMATION.

NOTE: CUT VOLUMES HAVE BEEN ADJUSTED BY THE ECCENTRICITY FACTOR SHOWN BELOW

X.XX



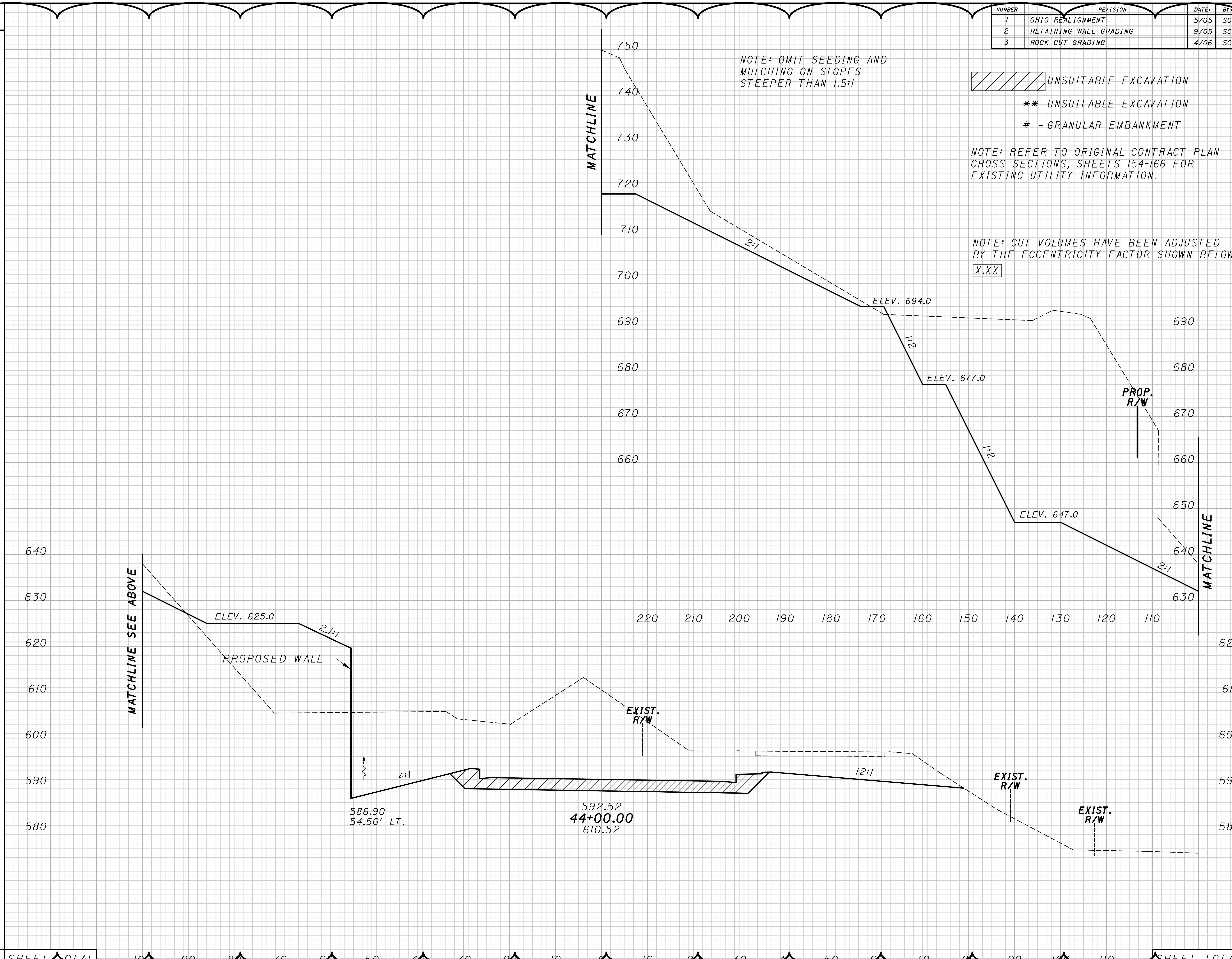
CALCULATED MAL

CHECKED SCC

SR 833 CROSS SECTIONS
STA. 43+50.00

MEG-33-15.70

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC
2	RETAINING WALL GRADING	9/05	SCC
3	ROCK CUT GRADING	4/06	SCC



SEEDING	
END WIDTH	SQ. YDS.
478	2617
	2617

SHEET TOTAL

END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
12455	466		
180**	180#		
		3	
		1.15	
		29211	720
		333**	333#
		333**	333#
		29211	720

SHEET TOTAL

CALCULATED MAL
CHECKED SCC

SR 833 CROSS SECTIONS
STA. 44+00.00

MEG-33-15.70

154H
582

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NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC
2	RETAINING WALL GRADING	9/05	SCC
3	ROCK CUT GRADING	4/06	SCC

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED MAL
CHECKED SCC

NOTE: OMIT SEEDING AND MULCHING ON SLOPES STEEPER THAN 1.5:1

UNSUITABLE EXCAVATION

**-UNSUITABLE EXCAVATION

- GRANULAR EMBANKMENT

NOTE: REFER TO ORIGINAL CONTRACT PLAN CROSS SECTIONS, SHEETS 154-166 FOR EXISTING UTILITY INFORMATION.

NOTE: CUT VOLUMES HAVE BEEN ADJUSTED BY THE ECCENTRICITY FACTOR SHOWN BELOW

X.XX

3

SHEET TOTAL

SHEET TOTAL

SR 833 CROSS SECTIONS
STA. 44+00.00

MEG-33-15.70

154H-2
582

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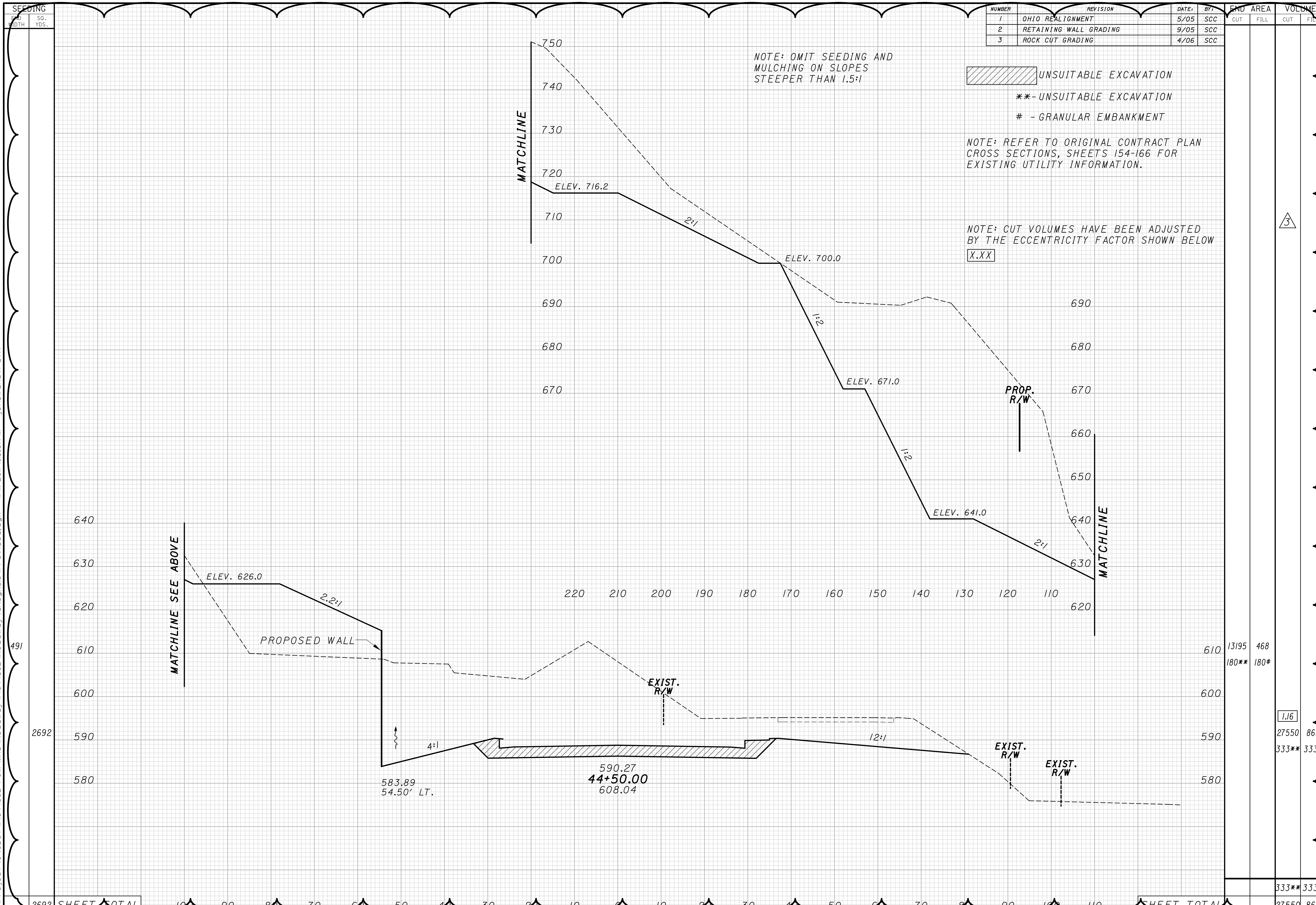
NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC
2	RETAINING WALL GRADING	9/05	SCC
3	ROCK CUT GRADING	4/06	SCC



CALCULATED MAL
CHECKED SCC

SR 833 CROSS SECTIONS
STA. 44+50.00

MEG-33-15.70

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC
2	RETAINING WALL GRADING	9/05	SCC
3	ROCK CUT GRADING	4/06	SCC

SEEDING		END AREA		VOLUME	
GND WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL

NOTE: OMIT SEEDING AND MULCHING ON SLOPES STEEPER THAN 1.5:1

UNSUITABLE EXCAVATION

**-UNSUITABLE EXCAVATION

- GRANULAR EMBANKMENT

NOTE: REFER TO ORIGINAL CONTRACT PLAN CROSS SECTIONS, SHEETS 154-166 FOR EXISTING UTILITY INFORMATION.

NOTE: CUT VOLUMES HAVE BEEN ADJUSTED BY THE ECCENTRICITY FACTOR SHOWN BELOW

X.XX

3

SHEET TOTAL

SHEET TOTAL

CALCULATED MAL

CHECKED SCC

SR 833 CROSS SECTIONS
STA. 44+50.00

MEG-33-15.70

1541-2
582

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NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC
2	RETAINING WALL GRADING	9/05	SCC
3	EXTEND ROCK CUT	1/06	SCC
4	ROCK CUT GRADING	4/06	SCC

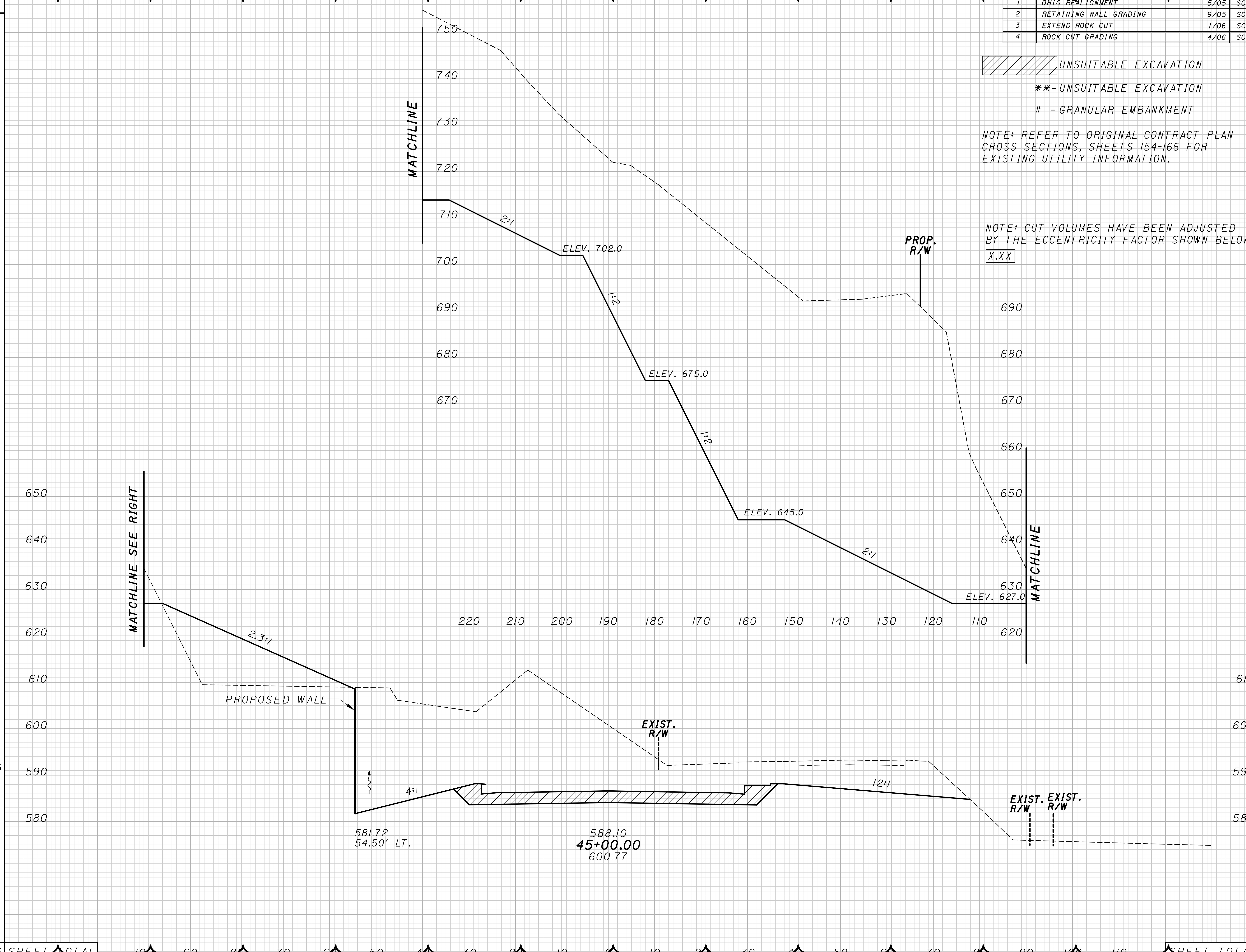
UNSUITABLE EXCAVATION

**-UNSUITABLE EXCAVATION

- GRANULAR EMBANKMENT

NOTE: REFER TO ORIGINAL CONTRACT PLAN CROSS SECTIONS, SHEETS 154-166 FOR EXISTING UTILITY INFORMATION.

NOTE: CUT VOLUMES HAVE BEEN ADJUSTED BY THE ECCENTRICITY FACTOR SHOWN BELOW X.XX



SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
537	2856	20679	280	1.16	
		180**	180#	36383	693
				333**	333#
2856 SHEET TOTAL		SHEET TOTAL		333**	333#
				36383	693

4

CALCULATED MAL
CHECKED SCC

SR 833 CROSS SECTIONS
STA. 45+00.00

MEG-33-15.70

154J
582

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NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC
2	RETAINING WALL GRADING	9/05	SCC
3	EXTEND ROCK CUT	1/06	SCC
4	ROCK CUT GRADING	4/06	SCC

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

UNSUITABLE EXCAVATION

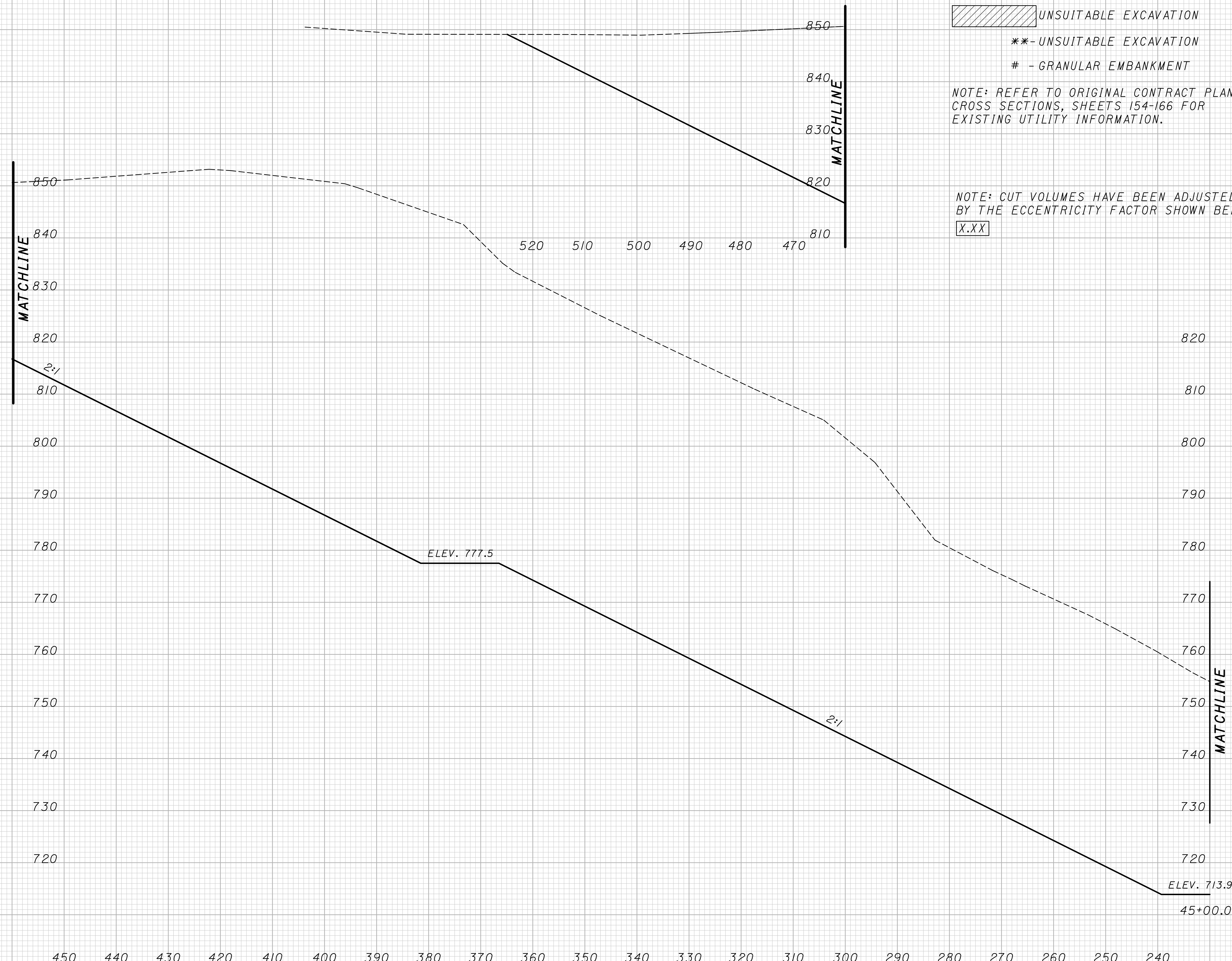
**-UNSUITABLE EXCAVATION

- GRANULAR EMBANKMENT

NOTE: REFER TO ORIGINAL CONTRACT PLAN CROSS SECTIONS, SHEETS 154-166 FOR EXISTING UTILITY INFORMATION.

NOTE: CUT VOLUMES HAVE BEEN ADJUSTED BY THE ECCENTRICITY FACTOR SHOWN BELOW

X.XX



4

SHEET TOTAL

SHEET TOTAL

CALCULATED MAL

CHECKED SCC

SR 833 CROSS SECTIONS
STA. 45+00.00

MEG-33-15.70

154J-2
582

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NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC
2	RETAINING WALL GRADING	9/05	SCC
3	EXTEND ROCK CUT	1/06	SCC
4	ROCK CUT GRADING	4/06	SCC

NOTE: OMIT SEEDING AND MULCHING ON SLOPES STEEPER THAN 1.5:1

UNSUITABLE EXCAVATION

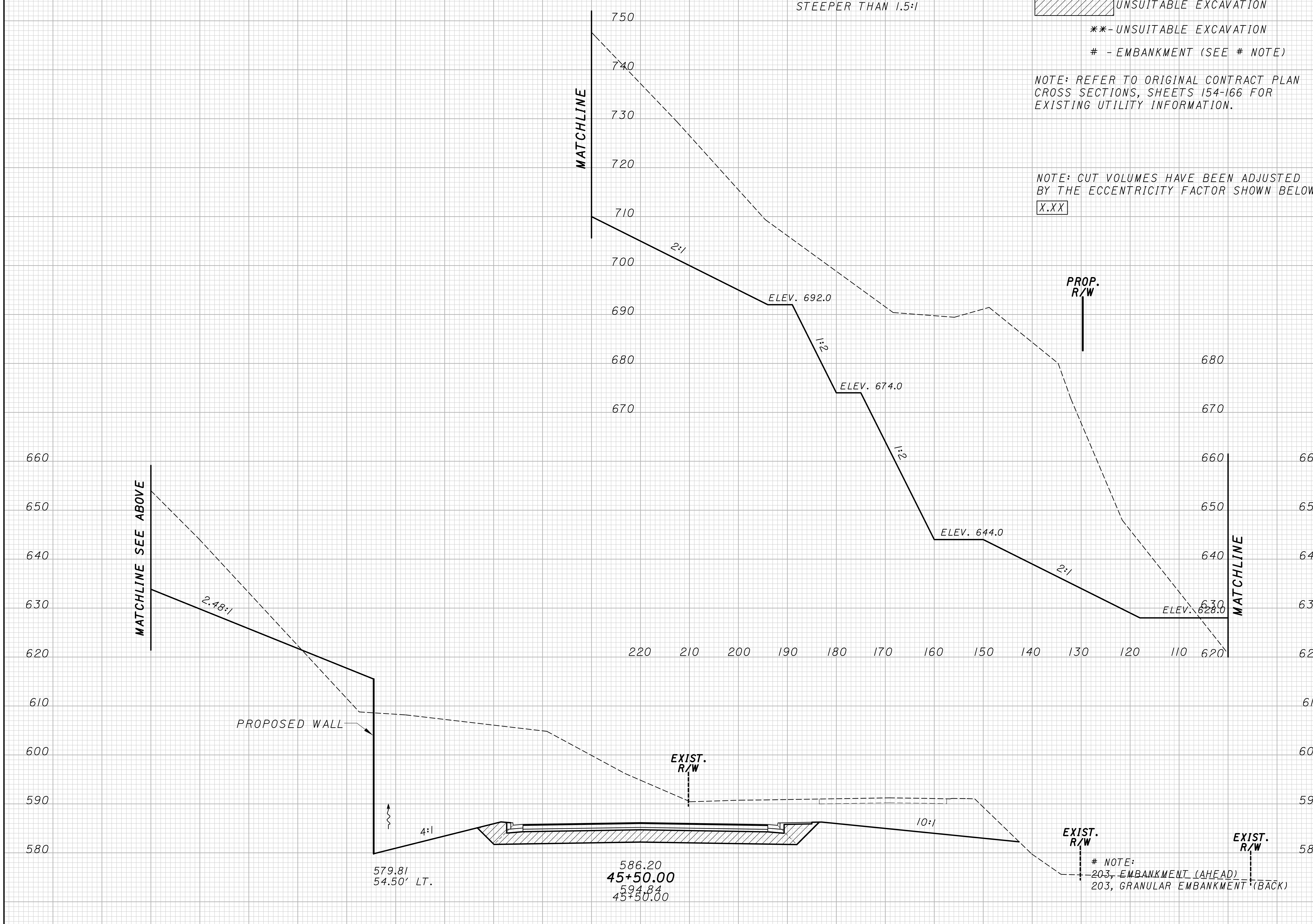
**-UNSUITABLE EXCAVATION

- EMBANKMENT (SEE # NOTE)

NOTE: REFER TO ORIGINAL CONTRACT PLAN CROSS SECTIONS, SHEETS 154-166 FOR EXISTING UTILITY INFORMATION.

NOTE: CUT VOLUMES HAVE BEEN ADJUSTED BY THE ECCENTRICITY FACTOR SHOWN BELOW

X.XX



SEEDING END WIDTH	SQ. YDS.
172	1081
SHEET TOTAL	3031

END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
3952	68		
180**	180#		
		1.04	
		9903	118
		334**	334#
		333**	333#
SHEET TOTAL		43183	621

CALCULATED MAL CHECKED SCC

SR 833 CROSS SECTIONS
STA. 45+50.00

MEG-33-15.70

154K
582

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NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC
2	RETAINING WALL GRADING	9/05	SCC
3	EXTEND ROCK CUT	1/06	SCC
4	ROCK CUT GRADING	4/06	SCC

NOTE: OMIT SEEDING AND MULCHING ON SLOPES STEEPER THAN 1.5:1

UNSUITABLE EXCAVATION

**-UNSUITABLE EXCAVATION

- EMBANKMENT (SEE # NOTE)

NOTE: REFER TO ORIGINAL CONTRACT PLAN CROSS SECTIONS, SHEETS 154-166 FOR EXISTING UTILITY INFORMATION.

NOTE: CUT VOLUMES HAVE BEEN ADJUSTED BY THE ECCENTRICITY FACTOR SHOWN BELOW

X.XX

SEEDING		END AREA		VOLUME	
END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL

4

SHEET TOTAL

SHEET TOTAL

CALCULATED MAL

CHECKED SCC

SR 833 CROSS SECTIONS
STA. 45+50.00

MEG-33-15.70

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC
2	RETAINING WALL GRADING	9/05	SCC
3	ROCK CUT GRADING	4/06	SCC

NOTE: OMIT SEEDING AND MULCHING ON SLOPES STEEPER THAN 1.5:1

UNSUITABLE EXCAVATION

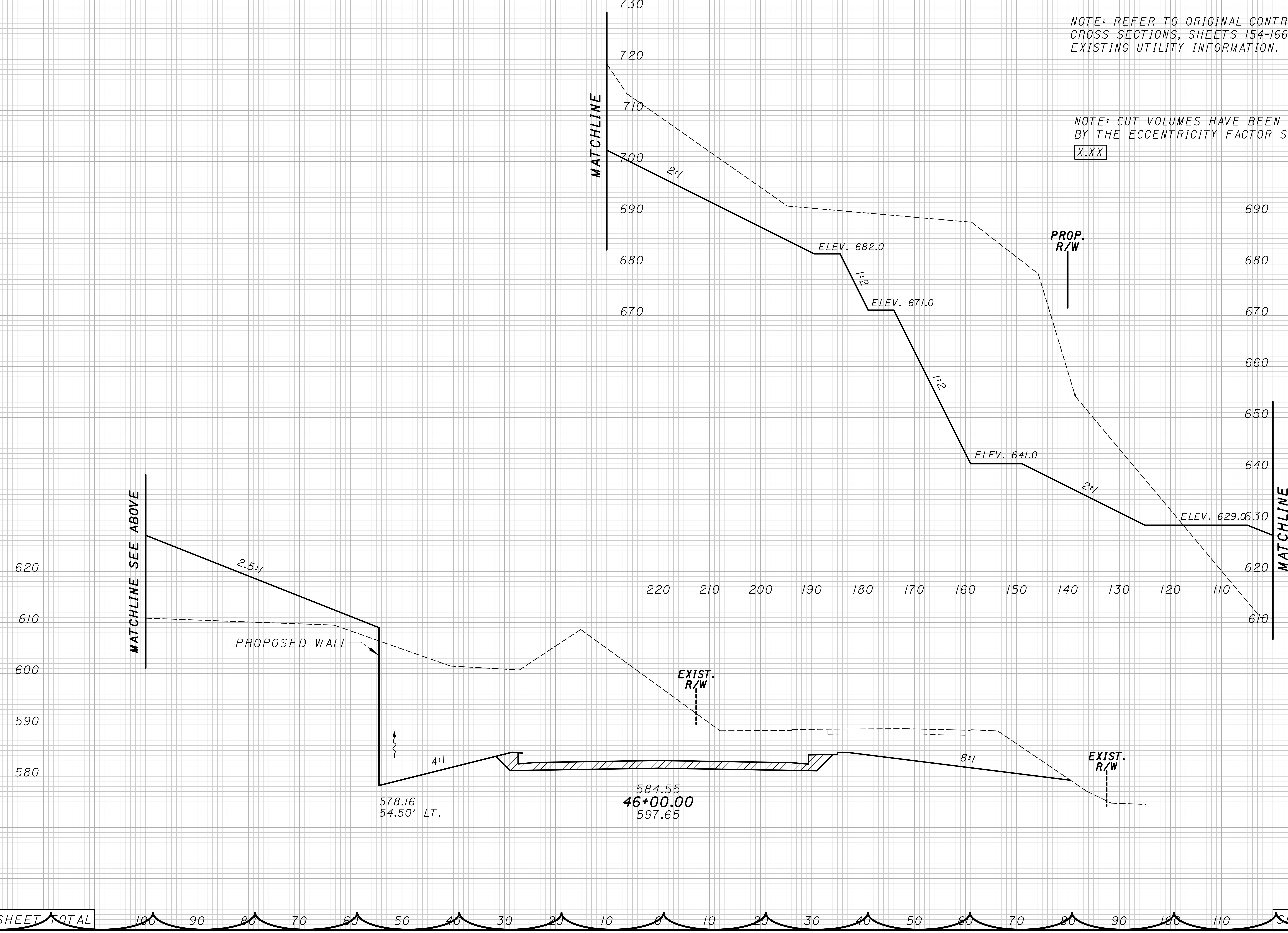
**-UNSUITABLE EXCAVATION

- EMBANKMENT

NOTE: REFER TO ORIGINAL CONTRACT PLAN CROSS SECTIONS, SHEETS 154-166 FOR EXISTING UTILITY INFORMATION.

NOTE: CUT VOLUMES HAVE BEEN ADJUSTED BY THE ECCENTRICITY FACTOR SHOWN BELOW

X.XX



SEEDING	
END WIDTH	SQ. YDS.
573	
	3131
SHEET TOTAL	3131

END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
		3	
18113	550		
105**	105#		
		1.18	
		41124	871
		264**	264#
SHEET TOTAL		264**	264#
		41124	871

CALCULATED MAL CHECKED SCC

SR 833 CROSS SECTIONS
STA. 46+00.00

MEG-33-15.70

154L / 582

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SEEDING	
END WIDTH	SQ. YDS.

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC
2	RETAINING WALL GRADING	9/05	SCC
3	ROCK CUT GRADING	4/06	SCC

NOTE: OMIT SEEDING AND MULCHING ON SLOPES STEEPER THAN 1.5:1

UNSUITABLE EXCAVATION

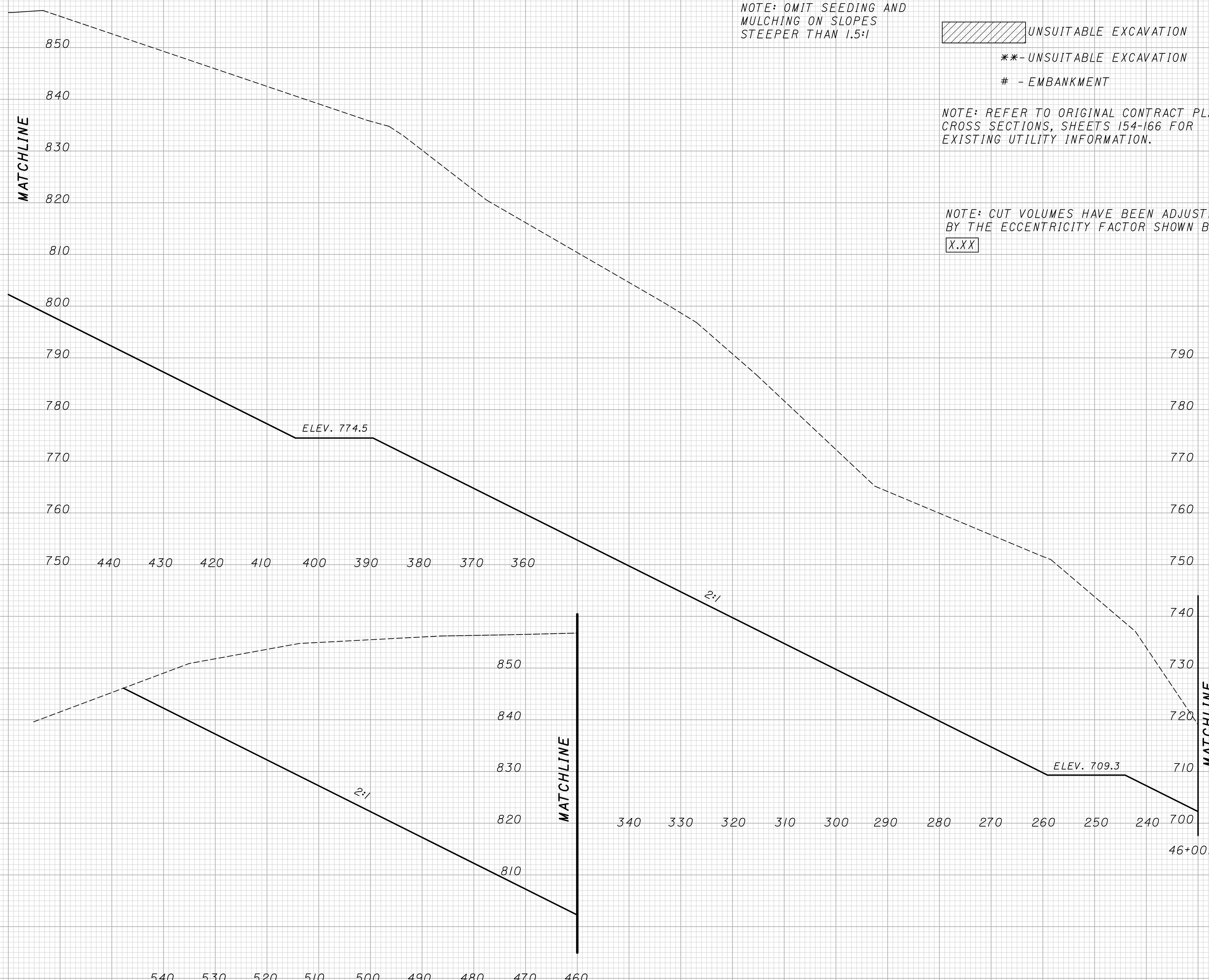
**-UNSUITABLE EXCAVATION

- EMBANKMENT

NOTE: REFER TO ORIGINAL CONTRACT PLAN CROSS SECTIONS, SHEETS 154-166 FOR EXISTING UTILITY INFORMATION.

NOTE: CUT VOLUMES HAVE BEEN ADJUSTED BY THE ECCENTRICITY FACTOR SHOWN BELOW

X.XX



END AREA		VOLUME	
CUT	FILL	CUT	FILL

3

CALCULATED MAL
CHECKED SCC

SR 833 CROSS SECTIONS
STA. 46+00.00

MEG-33-15.70

154L-2
582

SHEET TOTAL

SHEET TOTAL

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NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC
2	RETAINING WALL GRADING	9/05	SCC
3	ROCK CUT GRADING	4/06	SCC

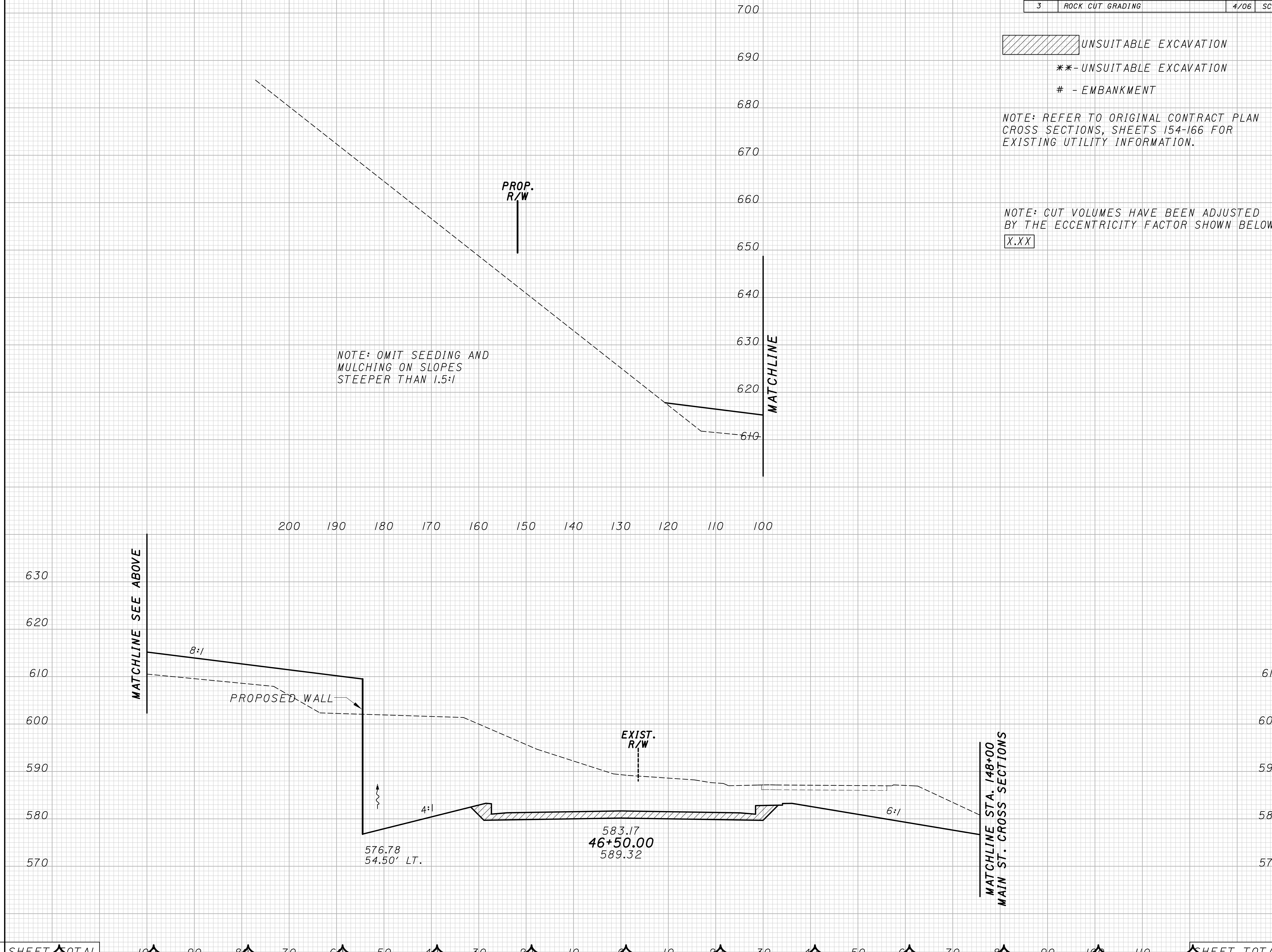
UNSUITABLE EXCAVATION

**-UNSUITABLE EXCAVATION

- EMBANKMENT

NOTE: REFER TO ORIGINAL CONTRACT PLAN CROSS SECTIONS, SHEETS 154-166 FOR EXISTING UTILITY INFORMATION.

NOTE: CUT VOLUMES HAVE BEEN ADJUSTED BY THE ECCENTRICITY FACTOR SHOWN BELOW X.XX



SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
37		1344	327		
		105**	105#		
				3	
				1.11	
	1973			19997	812
				194**	194#
SHEET TOTAL	1973	SHEET TOTAL		194**	194#
				19997	812

CALCULATED MAL

CHECKED SCC

SR 833 CROSS SECTIONS
STA. 46+50.00

MEG-33-15.70

154M
582

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NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC
2	UNDERDRAIN DEPTH	7/05	SCC
3	RETAINING WALL GRADING	9/05	SCC
4	ROCK CUT GRADING	4/06	SCC

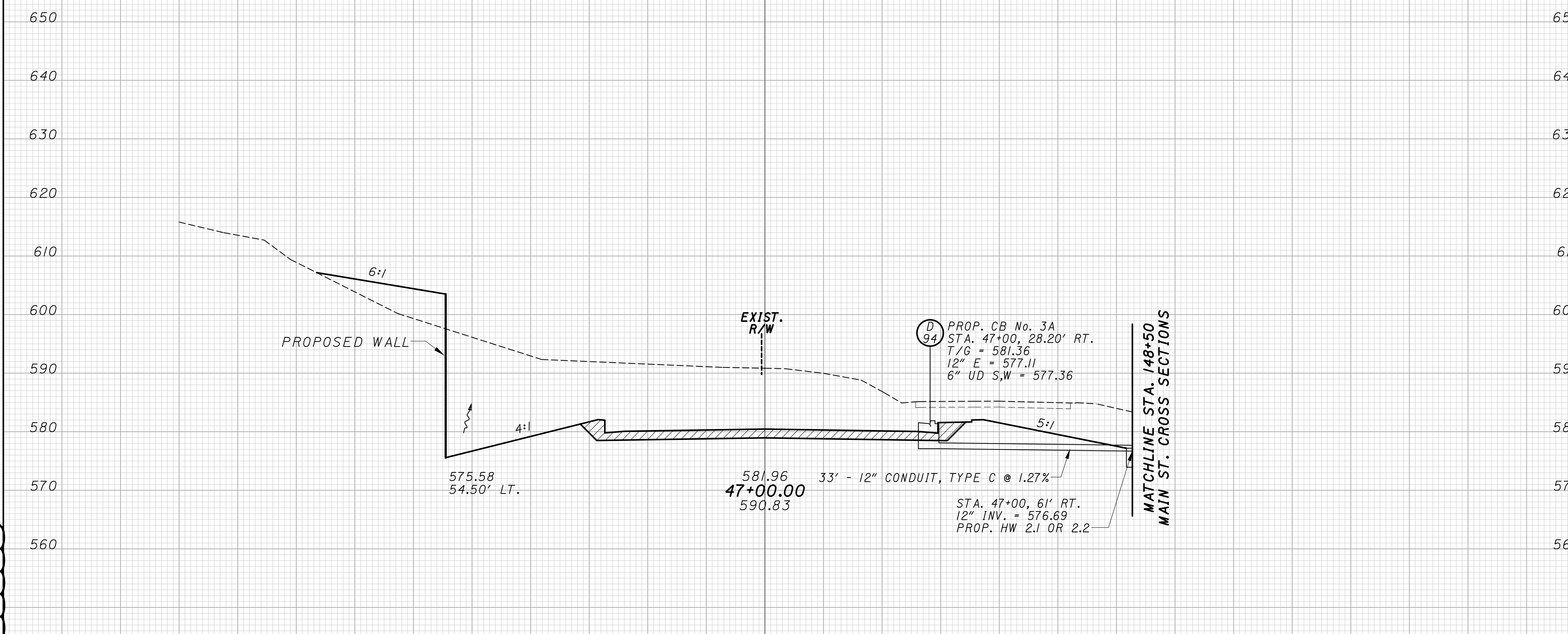
UNSUITABLE EXCAVATION

**-UNSUITABLE EXCAVATION

- EMBANKMENT

NOTE: REFER TO ORIGINAL CONTRACT PLAN CROSS SECTIONS, SHEETS 154-166 FOR EXISTING UTILITY INFORMATION.

SEEDING END WIDTH	SEEDING SQ. YDS.
57	
	539
SHEET TOTAL	539



SHEET TOTAL

END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
1104	76		
105**	105#		
		2267	373
		194**	194#
		194**	194#
		2267	374

CALCULATED MAL CHECKED SCC

SR 833 CROSS SECTIONS STA. 47+00.00

MEG-33-15.70

154N
582

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SR 833 CROSS SECTIONS
STA. 47+50.00

MEG-33-15.70

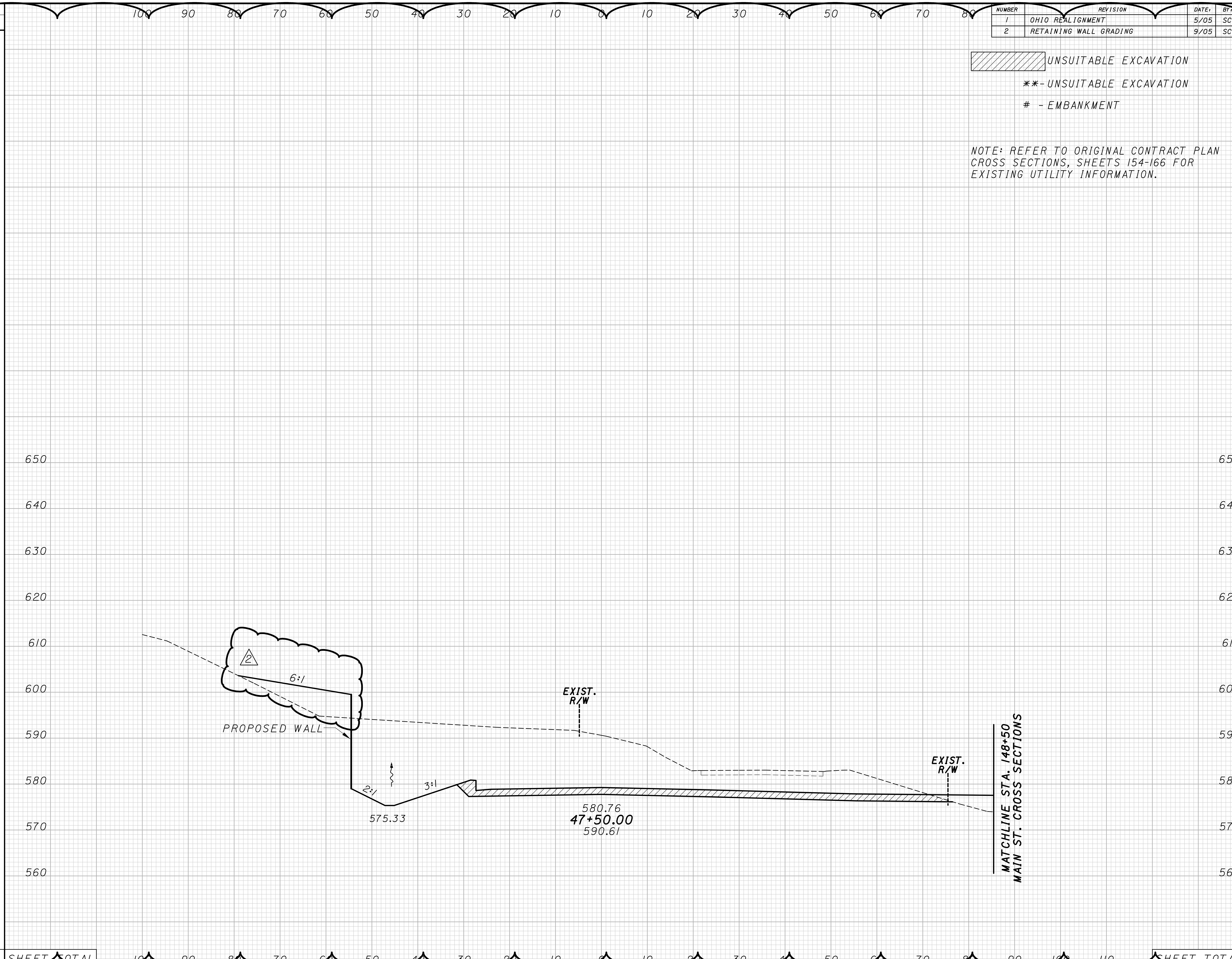
NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC
2	RETAINING WALL GRADING	9/05	SCC

UNSUITABLE EXCAVATION

**-UNSUITABLE EXCAVATION

- EMBANKMENT

NOTE: REFER TO ORIGINAL CONTRACT PLAN CROSS SECTIONS, SHEETS 154-166 FOR EXISTING UTILITY INFORMATION.



SEEDING	
END WIDTH	SQ. YDS.
89	
	239
SHEET TOTAL	239

END AREA		VOLUME	
CUT	FILL	CUT	FILL
114#	118		
161**	161#		
		2086	180
		247**	247#
SHEET TOTAL		247**	247#
		2086	180

CALCULATED MAL

CHECKED SCC

1540
582

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SEEDING
END WIDTH
SQ. YDS.
155
512
512
SHEET TOTAL
NUMBER | REVISION | DATE | BY
1 | OHIO REALIGNMENT | 5/05 | SCC
2 | RETAINING WALL GRADING | 9/05 | SCC
UNSUITABLE EXCAVATION
**-UNSUITABLE EXCAVATION
- GRANULAR EMBANKMENT
NOTE: REFER TO ORIGINAL CONTRACT PLAN CROSS SECTIONS, SHEETS 154-166 FOR EXISTING UTILITY INFORMATION.
PROP. R/W
2:1
MATCHLINE SEE BELOW
MATCHLINE SEE ABOVE
END WALL
STA. 48+00, 54.5' LT.
EXIST. R/W
3:1
575.08
579.56
48+00.00
586.72
EXIST. R/W
2:1
EXIST. R/W
MATCHLINE STA. 148+50
MAIN ST. CROSS SECTIONS
END AREA
CUT
FILL
1587
71
152**
152#
VOLUME
CUT
FILL
2533
175
290**
290#
290**
290#
2533
175
CALCULATED MAL
CHECKED SCC
SR 833 CROSS SECTIONS
STA. 48+00.00
MEG-33-15.70
154P
582
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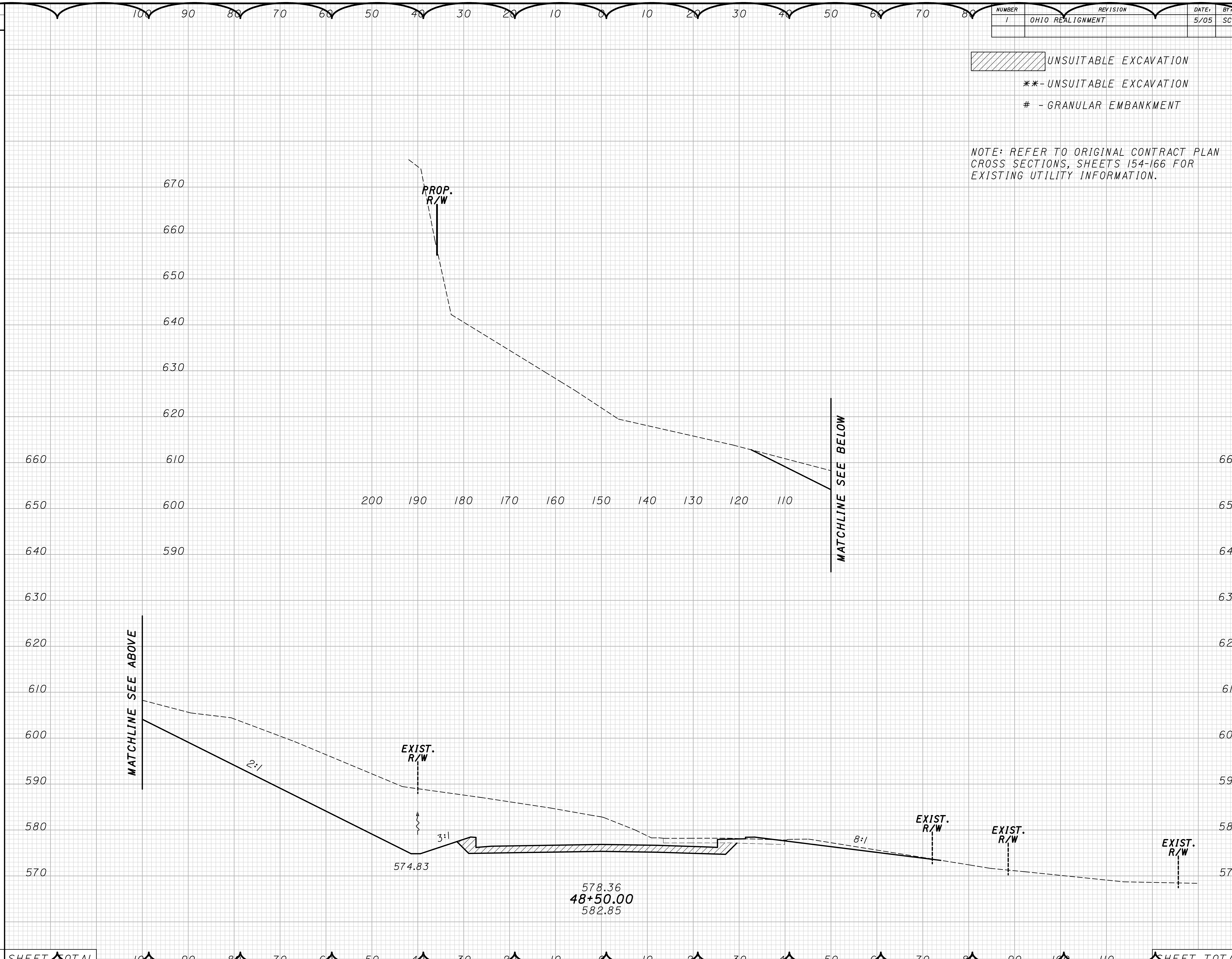
SR 833 CROSS SECTIONS
STA. 48+50.00

MEG-33-15.70

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED MAL | CHECKED SCC

SEEDING: END WIDTH	SEEDING: SQ. YDS.	END AREA: CUT	END AREA: FILL	VOLUME: CUT	VOLUME: FILL
164		1125	2		
		96**	96#		
	887			2512	68
				230**	230#
				230**	230#
	887 (SHEET TOTAL)			2512	68



154Q
582

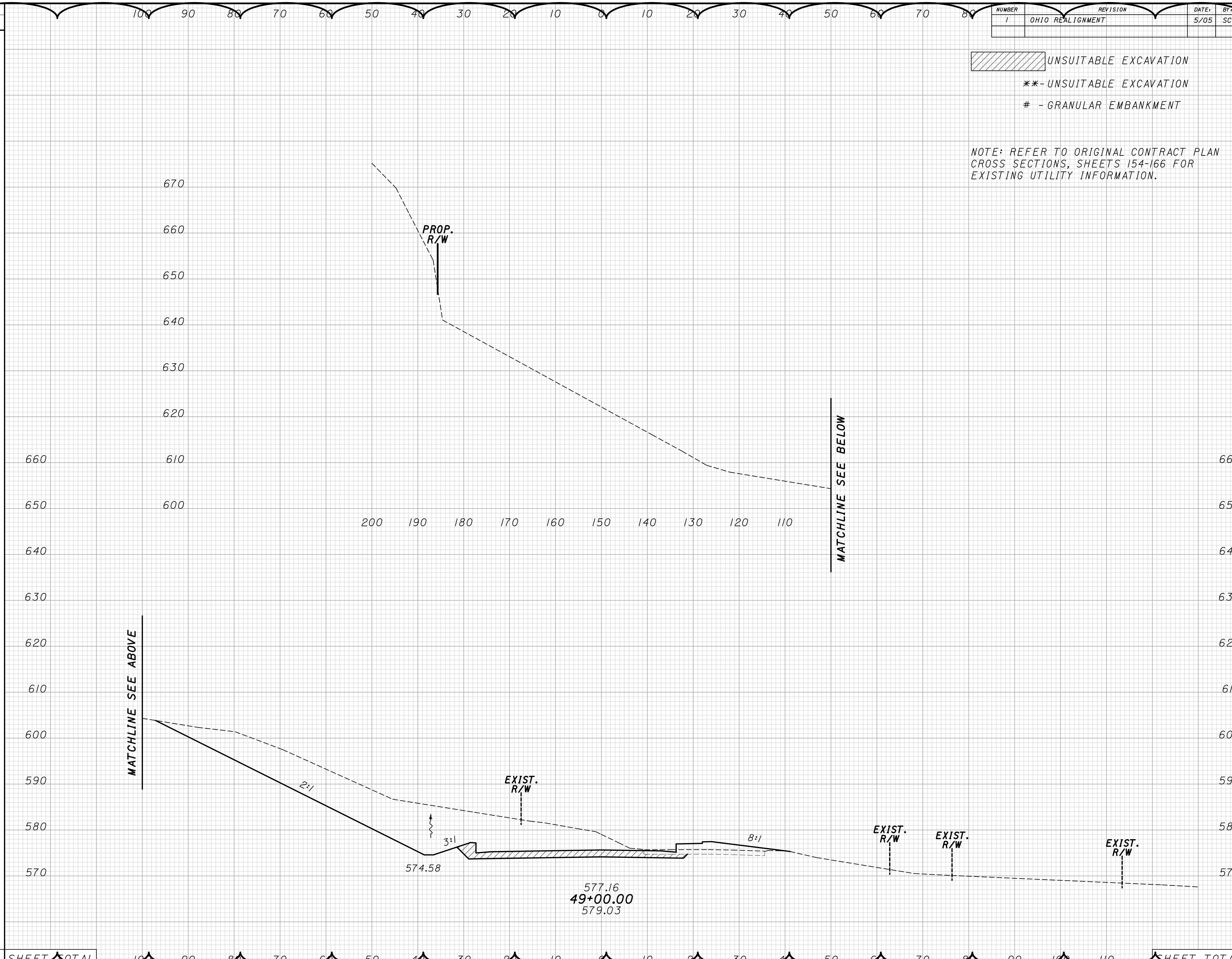
NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED MAL
CHECKED SCC

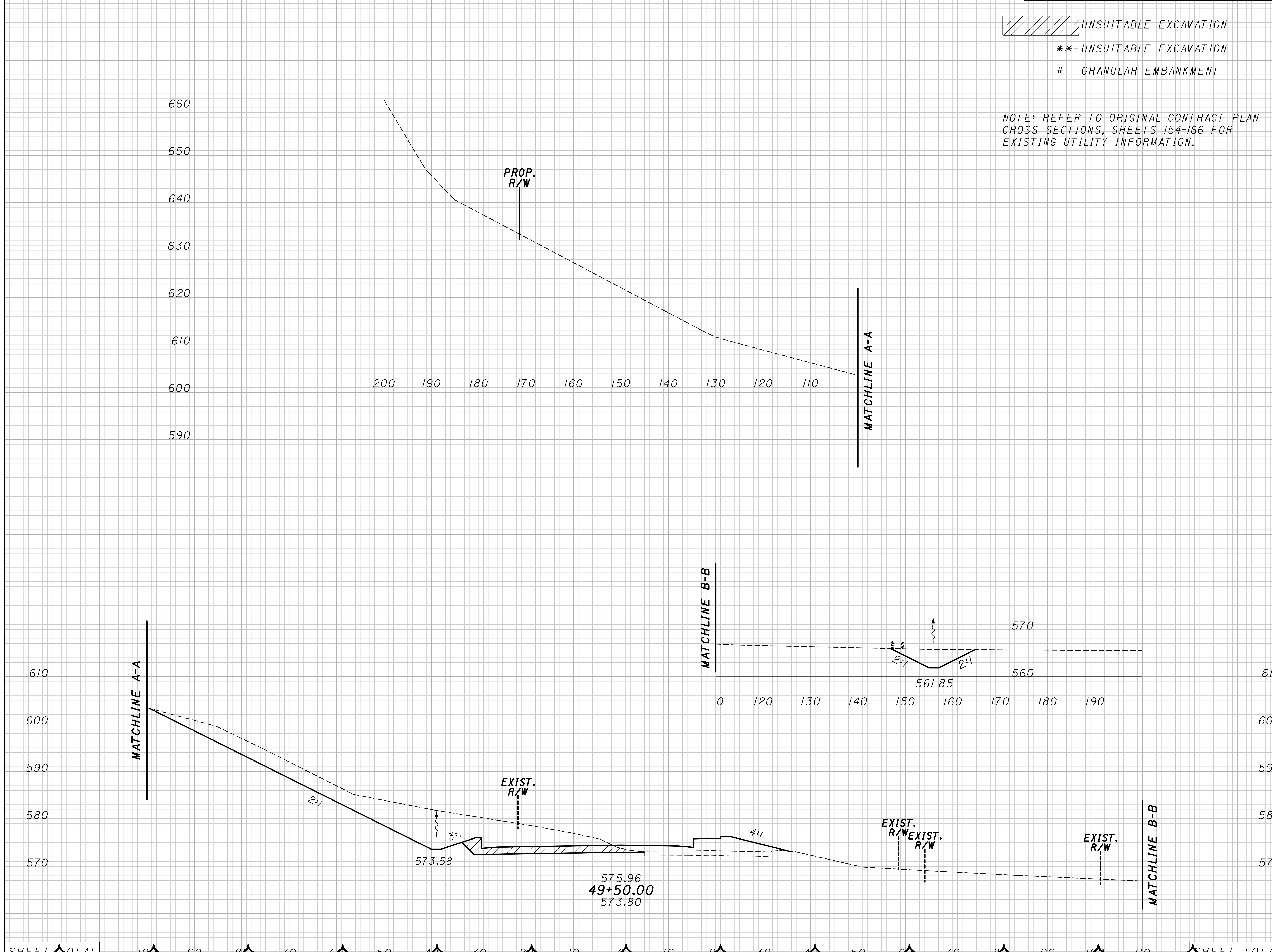
SR 833 CROSS SECTIONS
STA. 49+00.00

MEG-33-15.70

SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
119		670	25		
		73**	73#		
	787			1663	25
				157**	157#
	787 SHEET TOTAL		SHEET TOTAL	157**	157#
				1663	25



NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC



UNSUITABLE EXCAVATION

**-UNSUITABLE EXCAVATION

- GRANULAR EMBANKMENT

NOTE: REFER TO ORIGINAL CONTRACT PLAN CROSS SECTIONS, SHEETS 154-166 FOR EXISTING UTILITY INFORMATION.

SEEDING	
END WIDTH	SQ. YDS.
244	
	1009
	1009

SHEET TOTAL

END AREA		VOLUME	
CUT	FILL	CUT	FILL
424	57		
54**	54#		
		1013	76
		118**	118#
		118**	118#
		1013	76

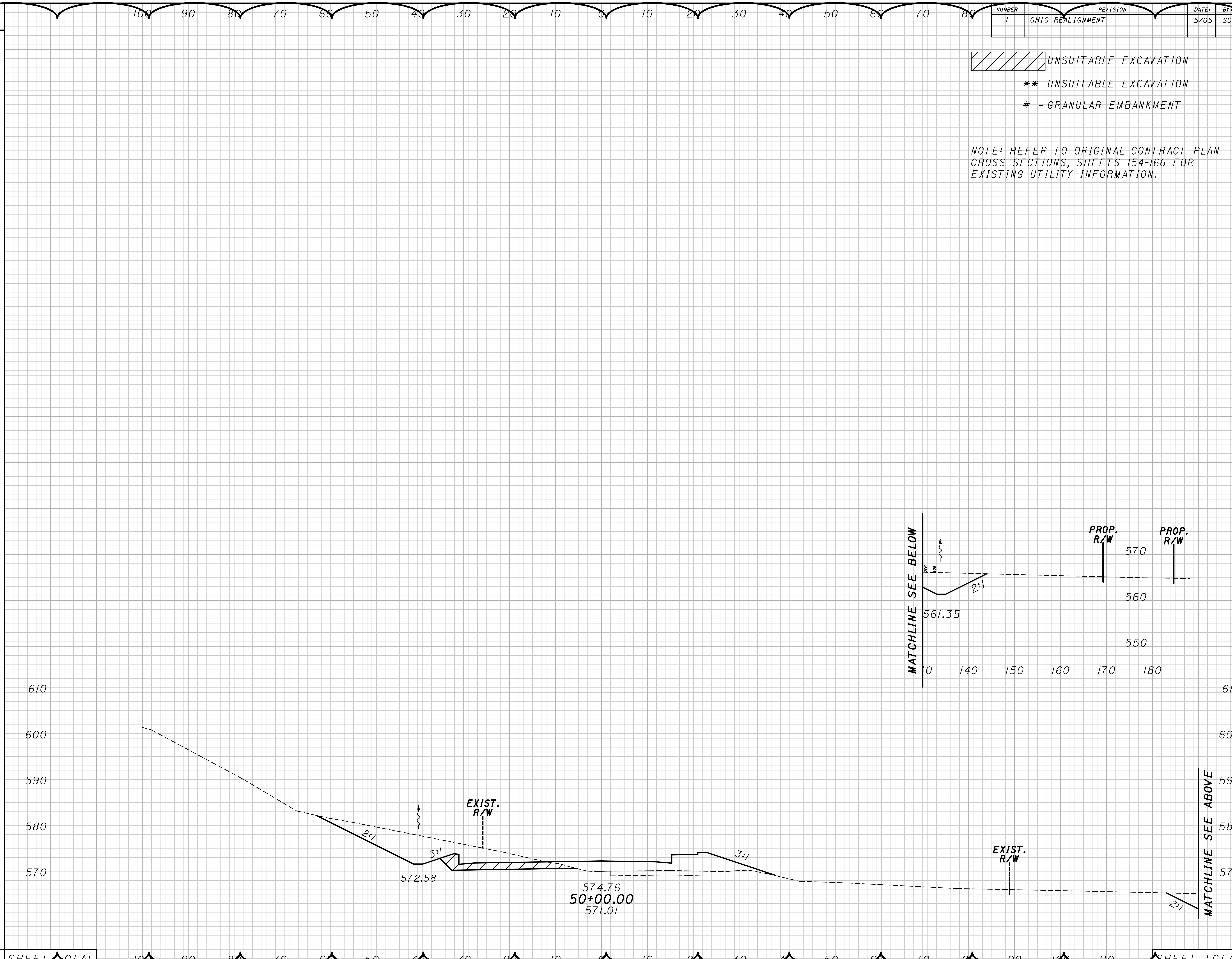
SHEET TOTAL

CALCULATED MAL | CHECKED SCC

SR 833 CROSS SECTIONS
STA. 49+50.00

MEG-33-15.70

154S / 582



NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

SEEDING WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
181		209	99		
		44**	44#		
	1181			587	145
				91**	91#
SHEET TOTAL	1181			587 / 91**	145 / 91#

CALCULATED MAL
CHECKED SCC

SR 833 CROSS SECTIONS
STA. 50+00.00

MEG-33-15.70

154T / 582

J:\Project\O\ODOT\4944862 POM-MAS\Roadway\4944862\Roadway\ak_gx_154t.dgn - 1/11/2011 4:13:35 PM - jon_wanstrath

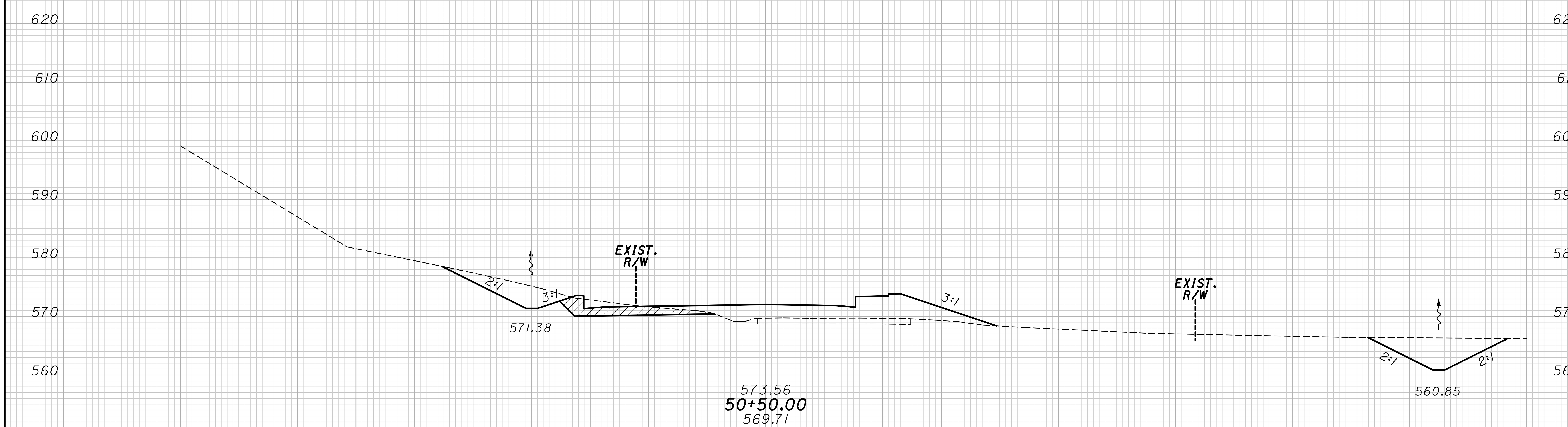
NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

UNSUITABLE EXCAVATION

**-UNSUITABLE EXCAVATION

-GRANULAR EMBANKMENT

NOTE: REFER TO ORIGINAL CONTRACT PLAN CROSS SECTIONS, SHEETS 154-166 FOR EXISTING UTILITY INFORMATION.



SEEDING WIDTH	SQ. YDS.
158	
	942
	942

SHEET TOTAL

END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
126	126		
35**	35#		
		311	209
		74**	74#
		74**	74#
		311	209

SHEET TOTAL

CALCULATED MAL
CHECKED SCC

SR 833 CROSS SECTIONS
STA. 50+50.00

MEG-33-15.70

154U
582

J:\Project\O\ODOT\4944862 POM-MAS\Roadway\4944862\Roadway\ak_gx_154u.dgn - 1/11/2011 4:13:36 PM - jon_wanstrath

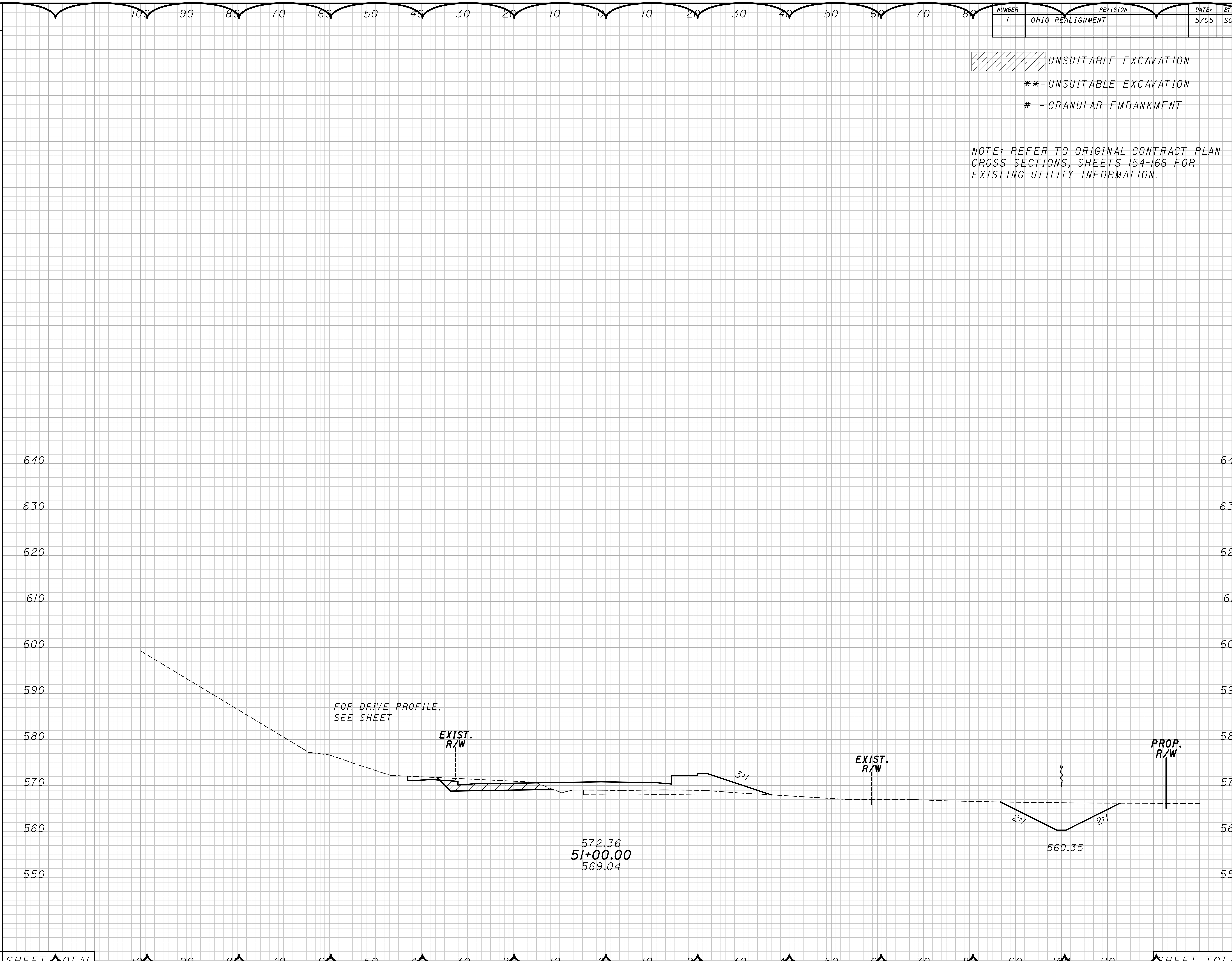
NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

UNSUITABLE EXCAVATION

**-UNSUITABLE EXCAVATION

- GRANULAR EMBANKMENT

NOTE: REFER TO ORIGINAL CONTRACT PLAN CROSS SECTIONS, SHEETS 154-166 FOR EXISTING UTILITY INFORMATION.



SEEDING	
GND WIDTH	SQ. YDS.
106	
	734
	734

SHEET TOTAL

END AREA		VOLUME	
CUT	FILL	CUT	FILL
102	100		
34**	34#		
		212	210
		64**	64#
		64**	64#
		212	210

SHEET TOTAL

CALCULATED MAL

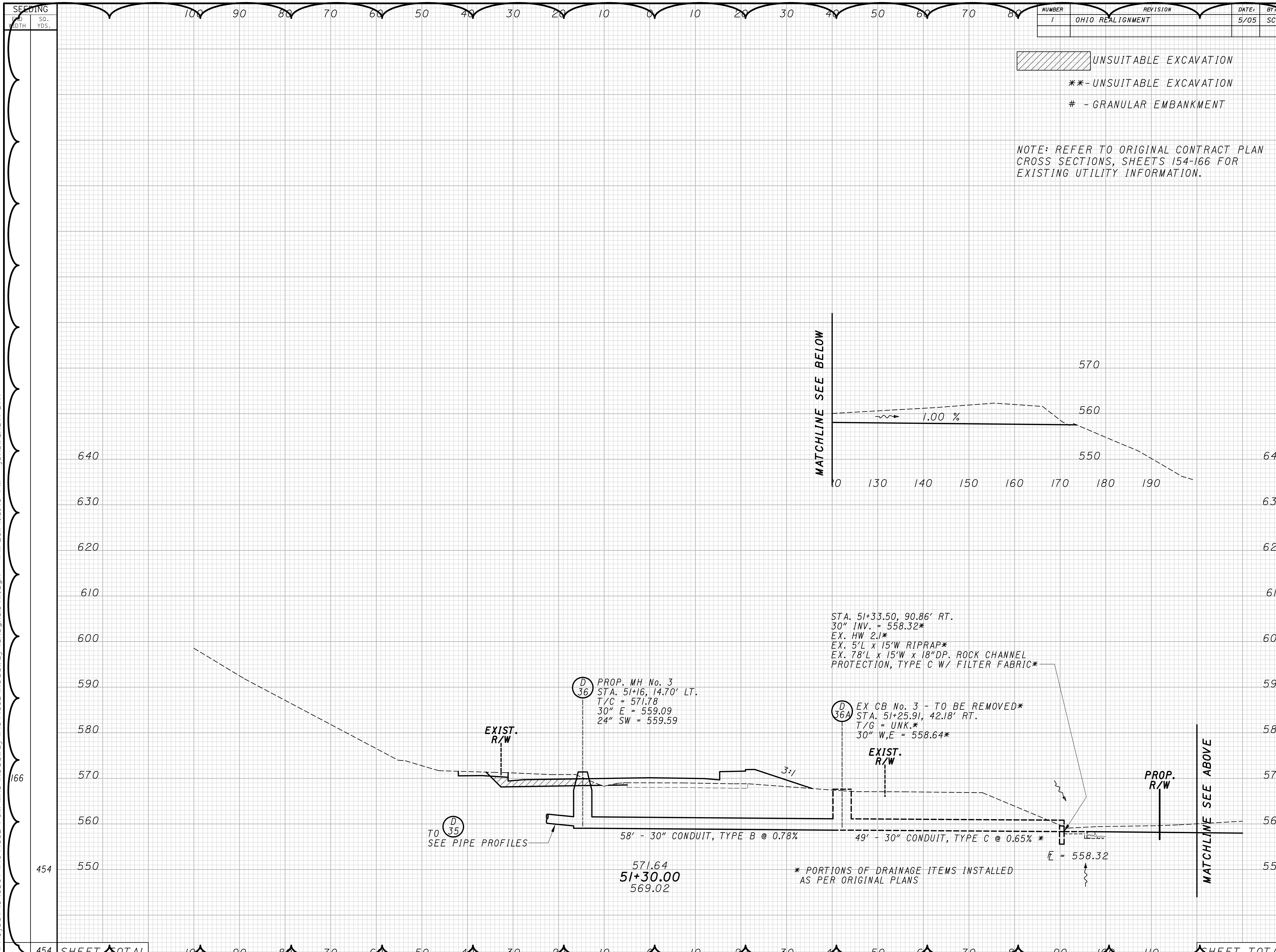
CHECKED SCC

SR 833 CROSS SECTIONS
STA. 51+00.00

MEG-33-15.70

154V
582

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC



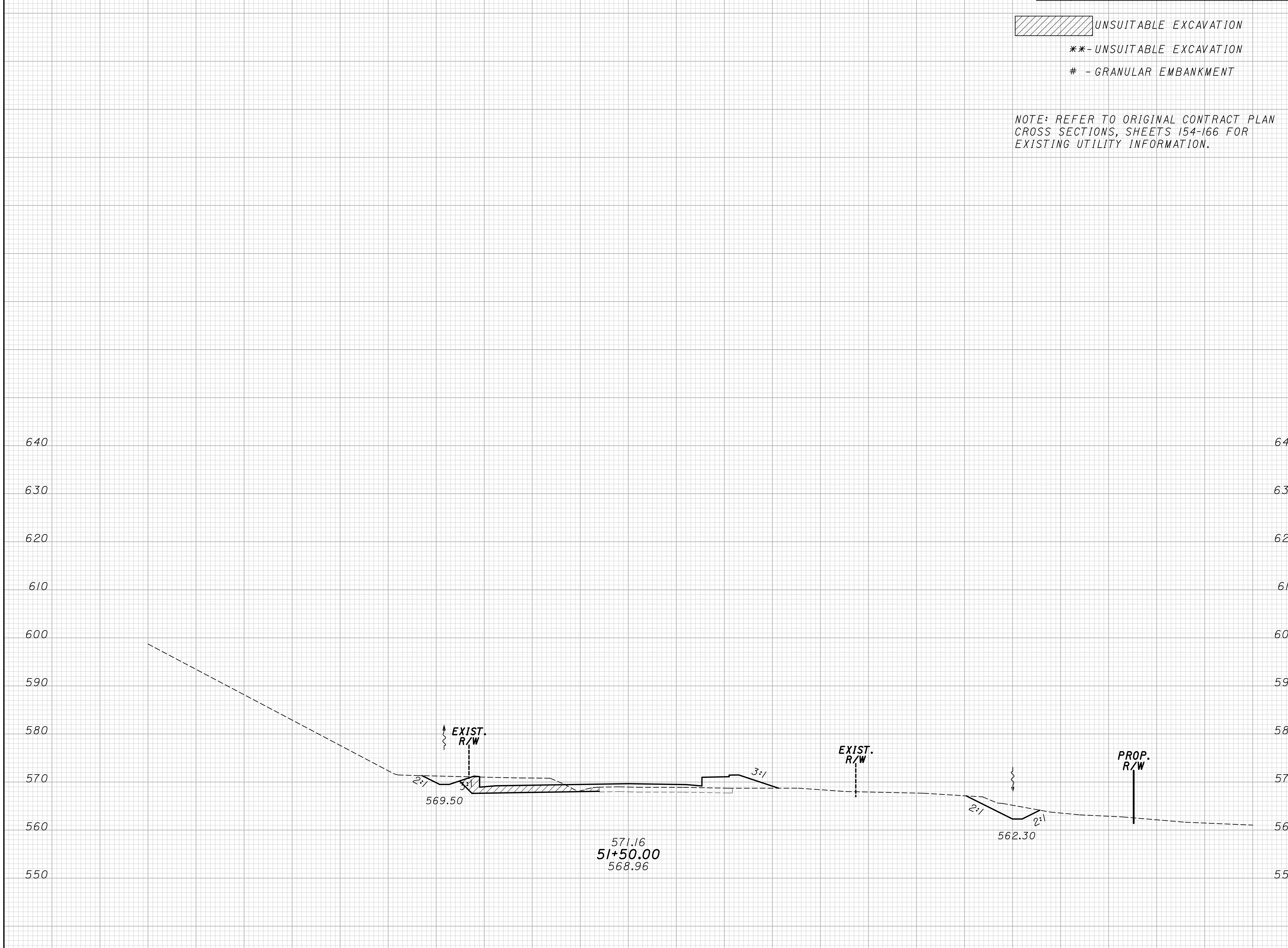
END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
238	73		
35**	35#		
		189	97
		39**	39#
		39**	39#
		189	97

CALCULATED MAL
CHECKED SCC

SR 833 CROSS SECTIONS STA. 51+30.00

MEG-33-15.70

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC



SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
101		62	49		
		41**	41#		
	297			112	46
				29**	29#
SHEET TOTAL	297			29**	29#
				112	46

CALCULATED MAL
CHECKED SCC

SR 833 CROSS SECTIONS
STA. 51+50.00

MEG-33-15.70

154X / 582

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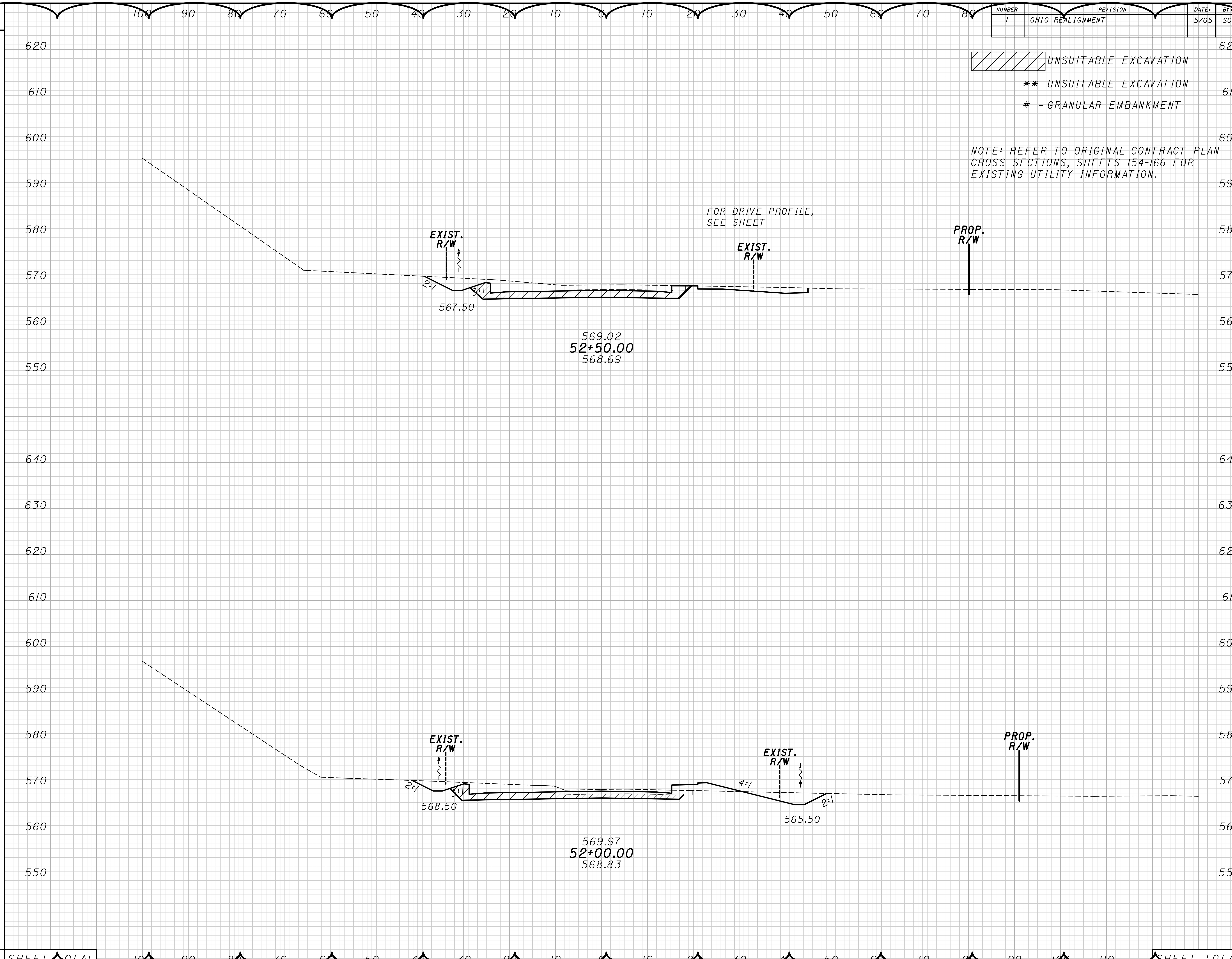


NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

SEEDING

END WIDTH	SQ. YDS.
27	
	253
64	
	459
SHEET TOTAL	712

END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
106	0		
75**	75#		
		179	16
		130**	130#
87	17		
65**	65#		
		138	62
		99**	99#
		229**	229#
SHEET TOTAL		317	78

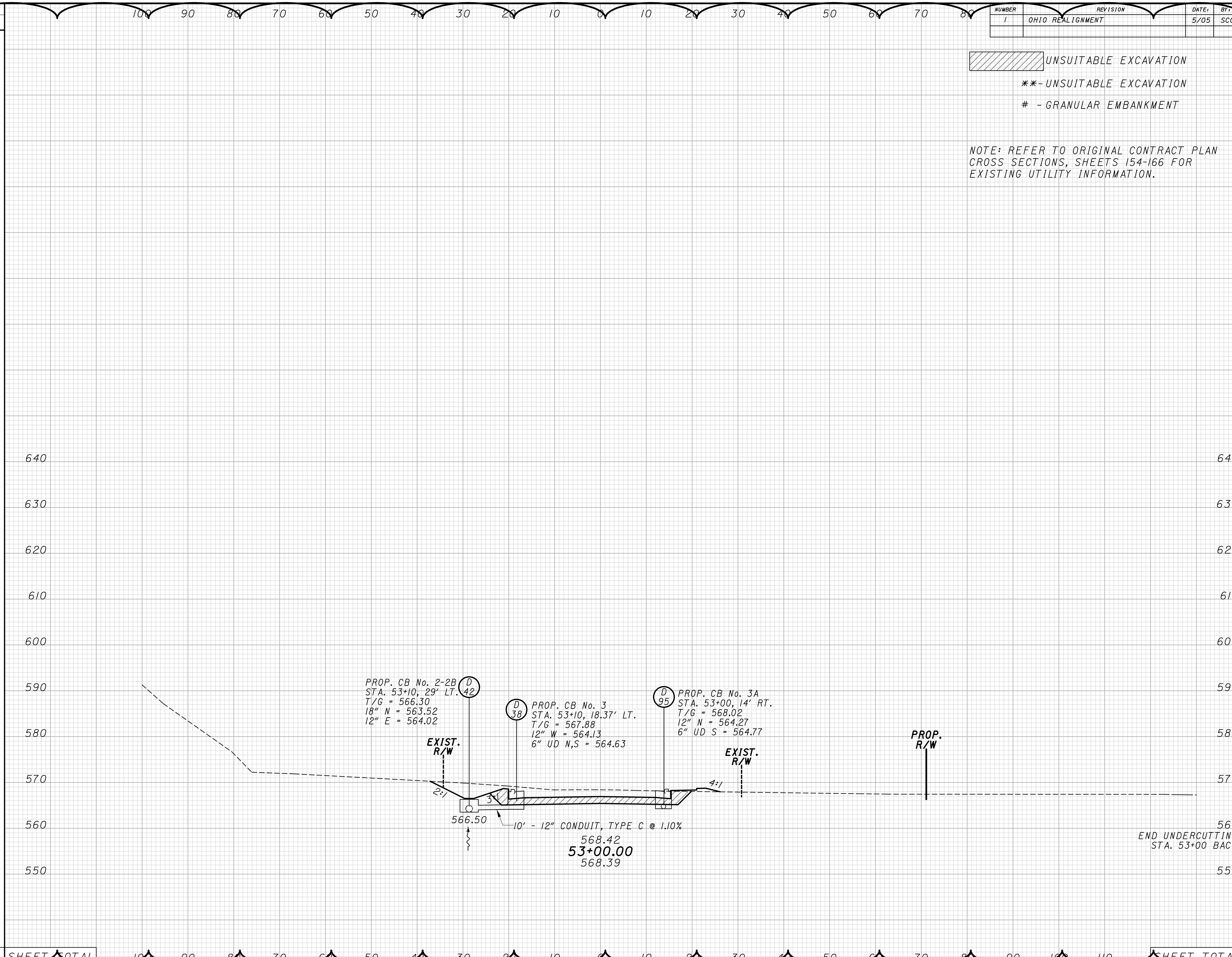
CALCULATED MAL
CHECKED SCC

SR 833 CROSS SECTIONS
STA. 52+00.00 TO 52+50.00

MEG-33-15.70

154Y
582

J:\Project\O\ODOT\4944862 POM-MAS\Roadway\4944862\Roadway\ak_gx_154y.dgn - 1/11/2011 4:13:44 PM - jon_wanstrath



NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

SEEDING WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
46		93	4		
		72**	72#		
	203			185	4
				137**	137#
SHEET TOTAL	203			137**	137#
				185	4

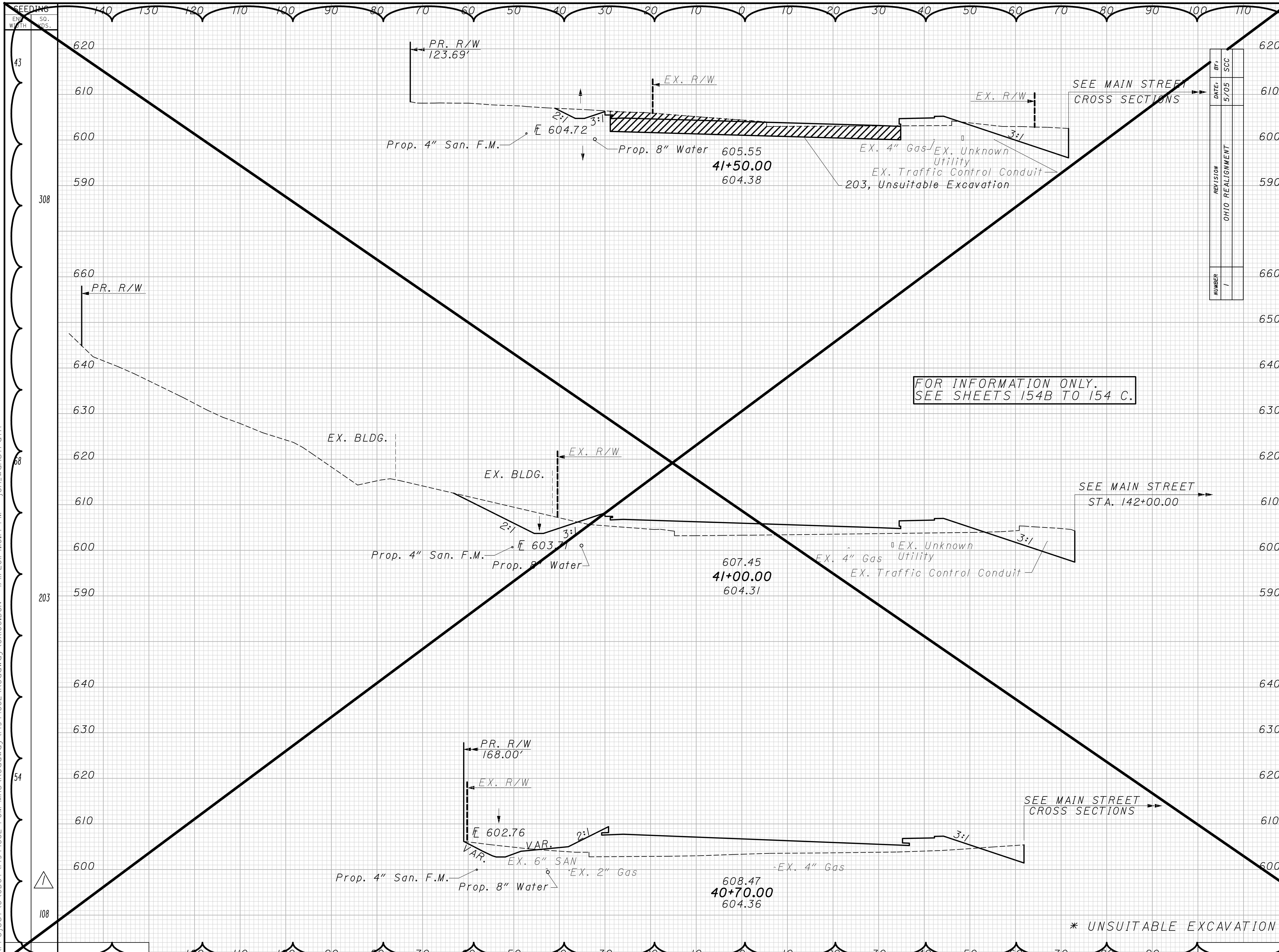
CALCULATED MAL
CHECKED SCC

SR 833 CROSS SECTIONS
STA. 53+00.00

MEG-33-15.70

154Z
582

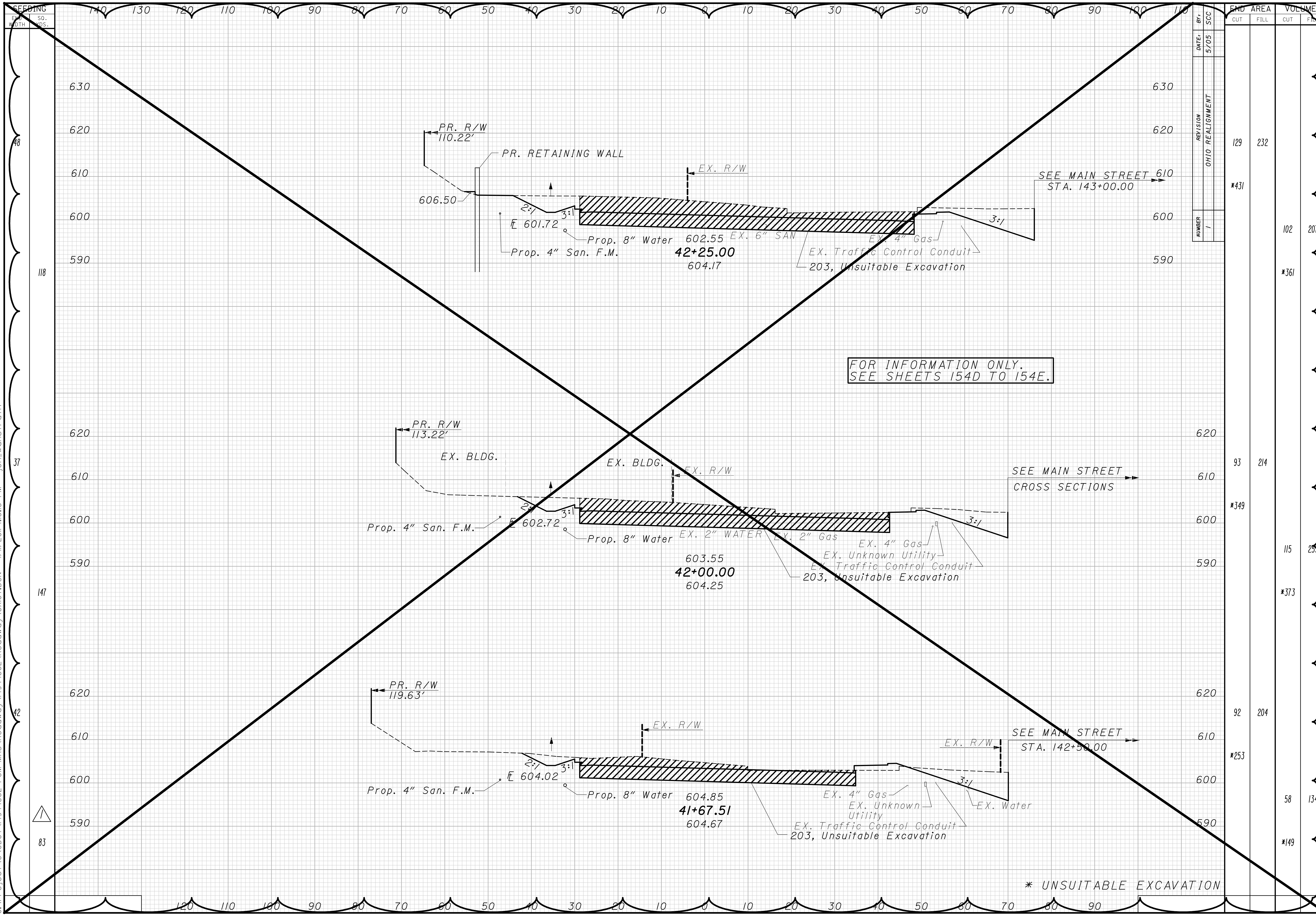
J:\Project\O\ODOT\4944862 POM-MAS\Roadway\4944862\Roadway\ak_gx_154z.dgn - 1/11/2011 4:13:46 PM - jon_wanstrath



CALCULATED MHT
CHECKED AM

SR 833 CROSS SECTIONS
STA. 40+70.00 TO STA. 41+50.00

MEG-33-15.70

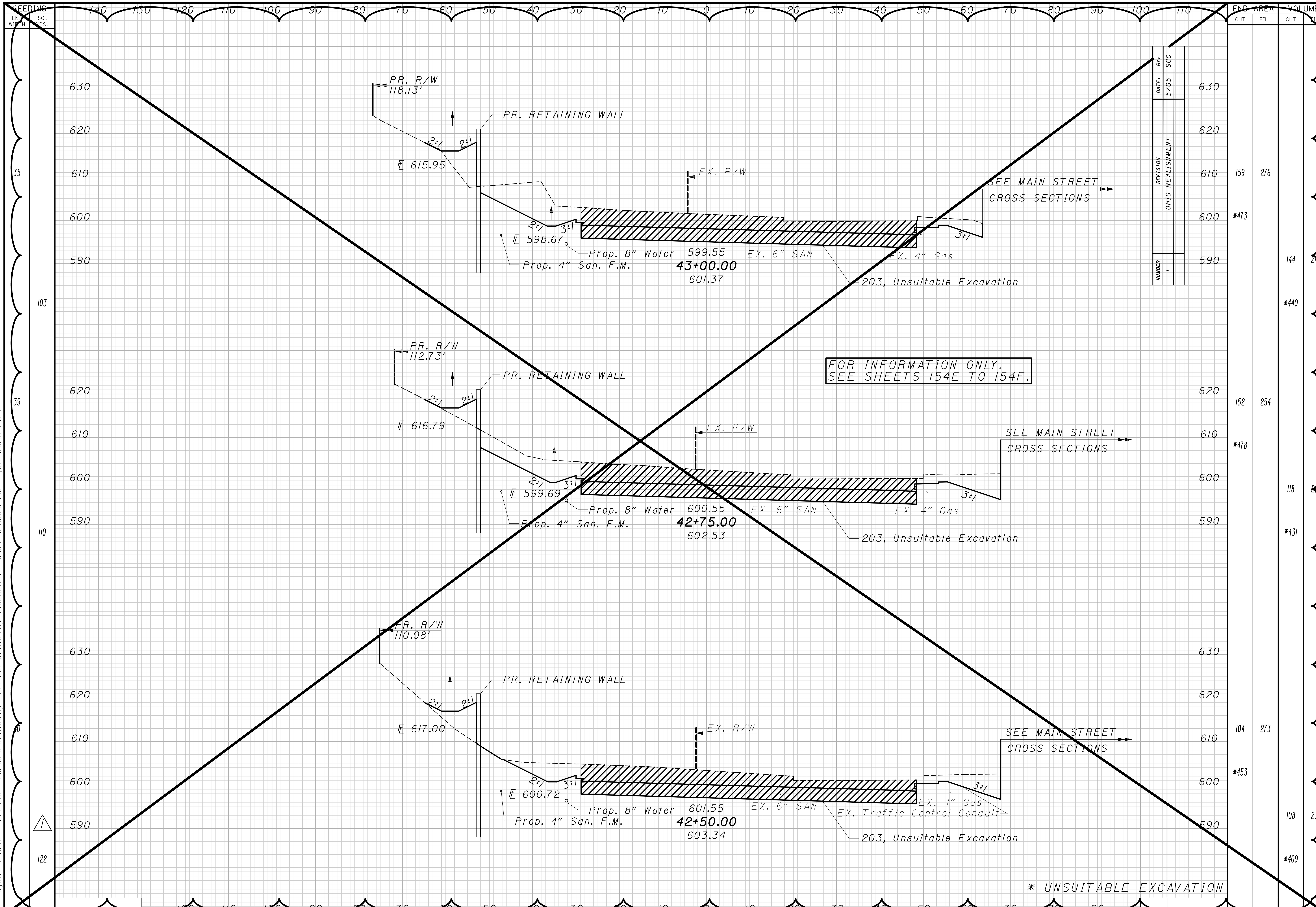


CALCULATED MHT
CHECKED AM

SR 833 CROSS SECTIONS
STA. 41+67.51 TO STA. 42+25.00

MEG-33-15.70

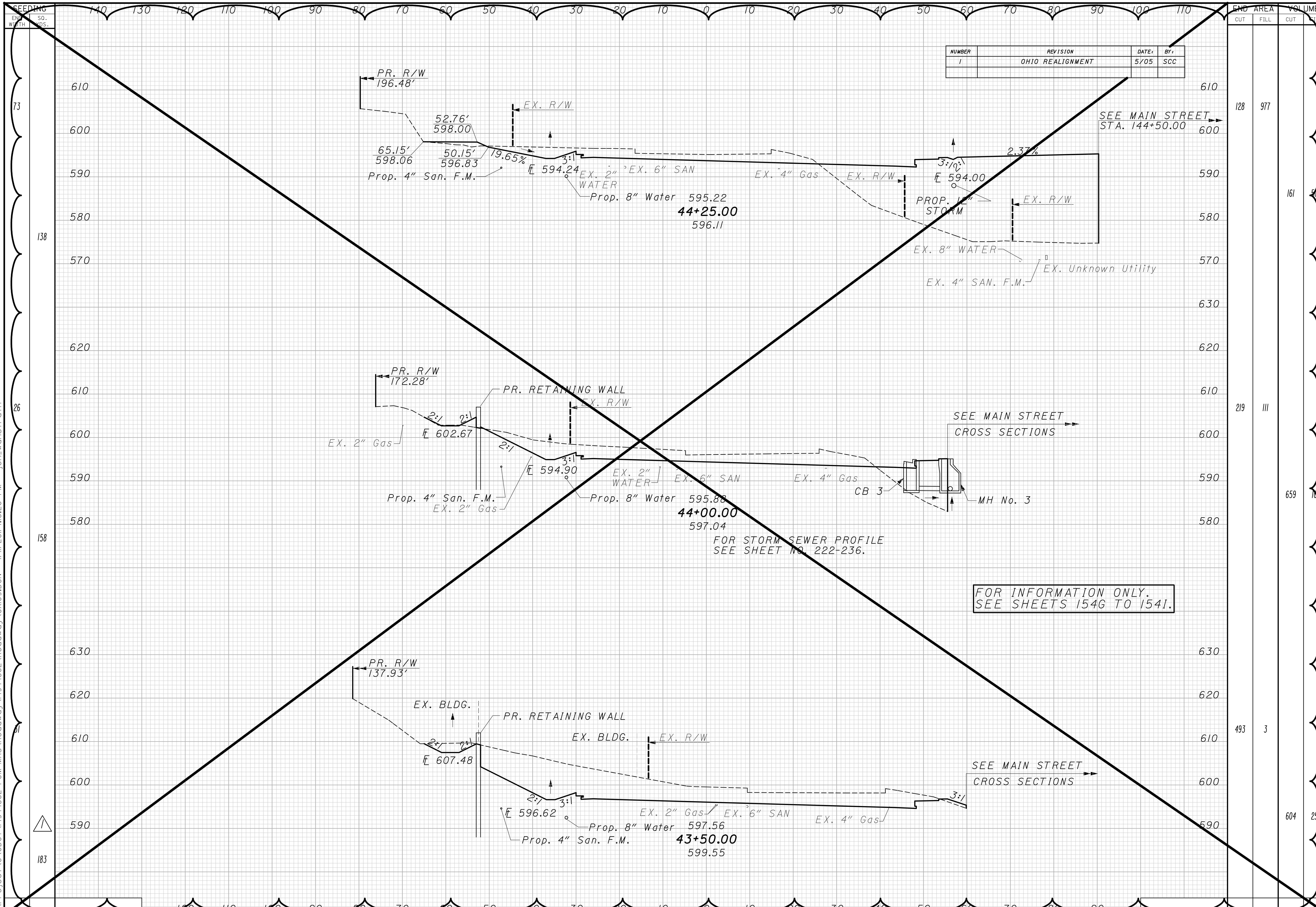
J:\Project\O\ODOT\4944862 POM-MAS\Roadway\4944862\Roadway\GX107.DGN - 1/11/2011 4:16:16 PM - jon_wanstrath



CALCULATED MHT
CHECKED AM

SR 833 CROSS SECTIONS
STA. 42+50.00 TO STA. 43+00.00

MEG-33-15.70

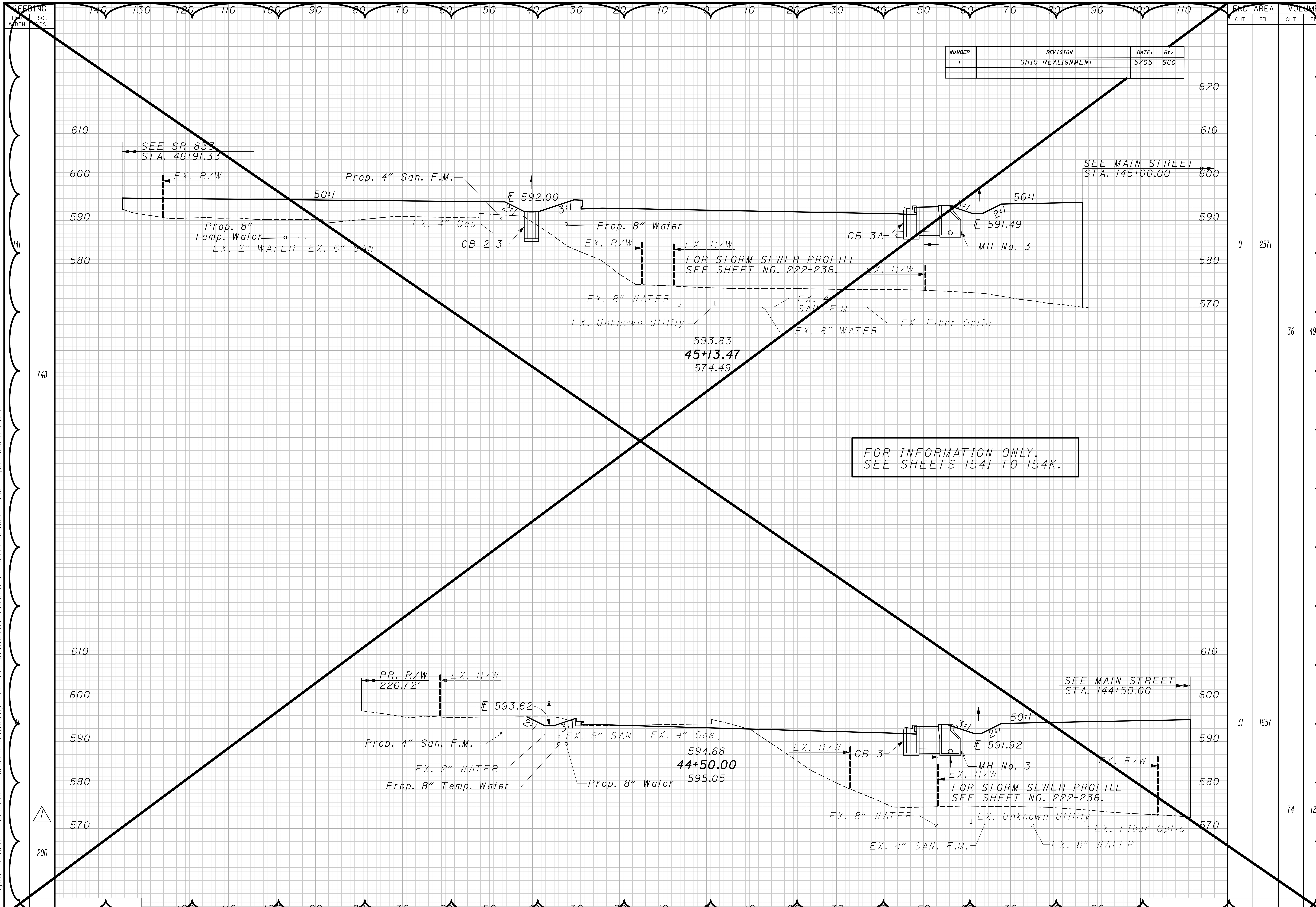


CALCULATED MHT
CHECKED AM

SR 833 CROSS SECTIONS
STA. 43+50.00 TO STA. 44+25.00

MEG-33-15.70

158
582

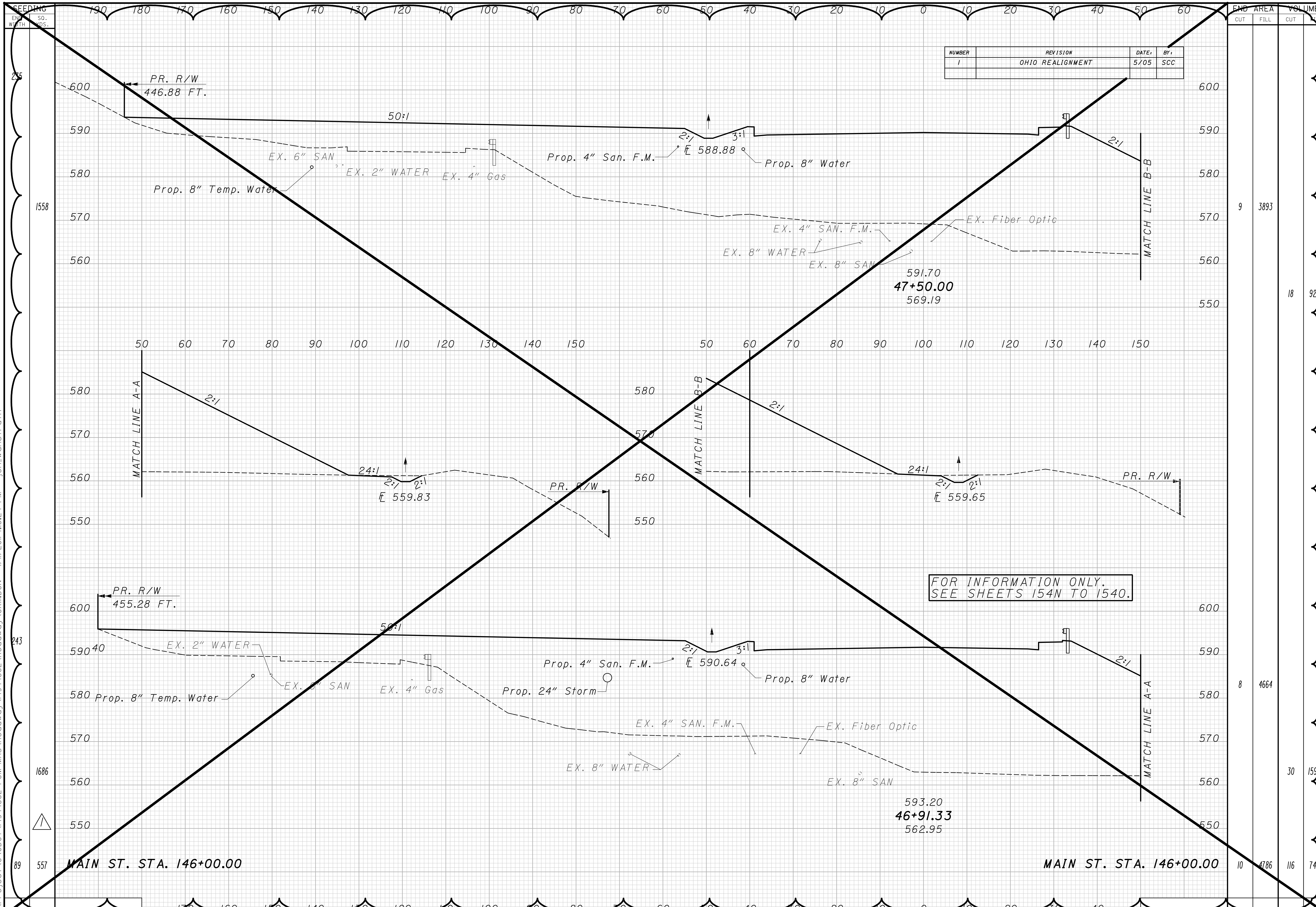


NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED MHT
CHECKED AM

SR 833 CROSS SECTIONS
STA. 44+50.00 TO STA. 45+13.47

MEG-33-15.70



CALCULATED MHT

CHECKED AM

SR 833 CROSS SECTIONS
STA. 46+91.33 TO STA. 47+50.00

MEG-33-15.70

160/582

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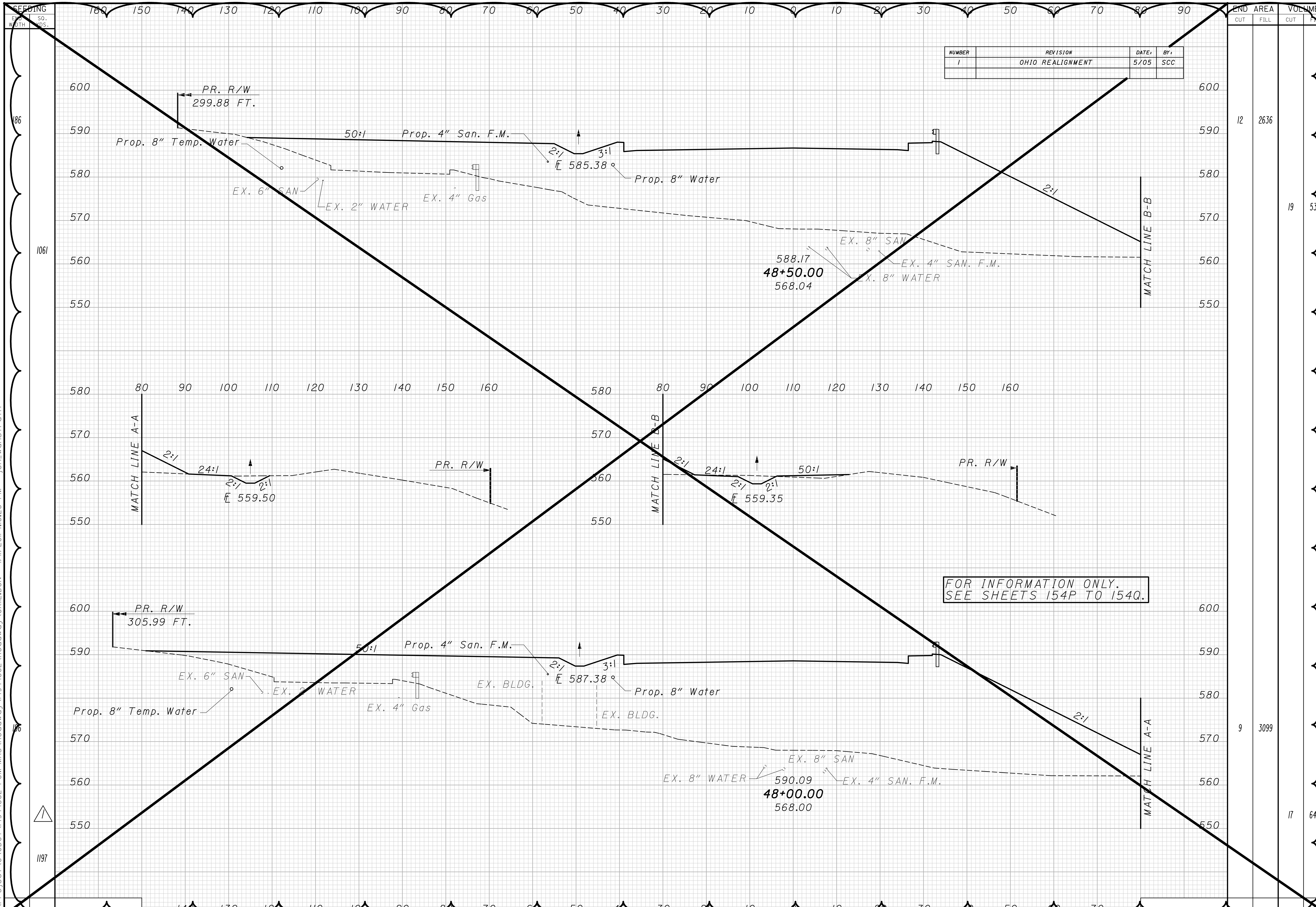


CALCULATED MHT
CHECKED AM

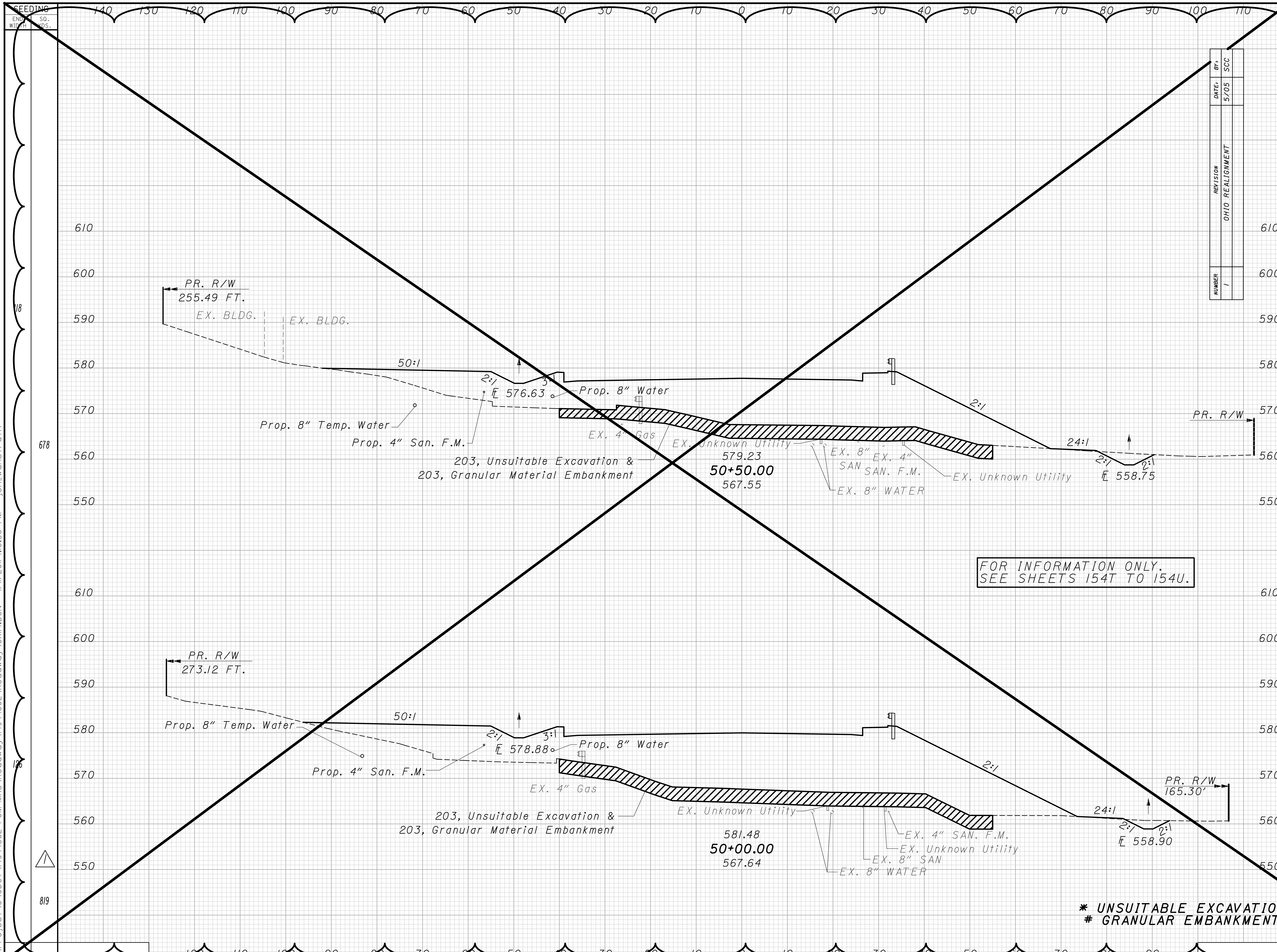
SR 833 CROSS SECTIONS
STA. 48+00.00 TO STA. 48+50.00

MEG-33-15.70

CALCULATED MHT
CHECKED AM

SR 833 CROSS SECTIONS
STA. 49+00.00 TO STA. 49+50.00

MEG-33-15.70



END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
18	1078		
*272	#272		
		27	2380
		*516	#516
11	1428		
*285	#285		
		20	2940
		*0	#0

CALCULATED MHT
CHECKED AM

SR 833 CROSS SECTIONS
STA. 50+00.00 TO STA. 50+50.00

MEG-33-15.70

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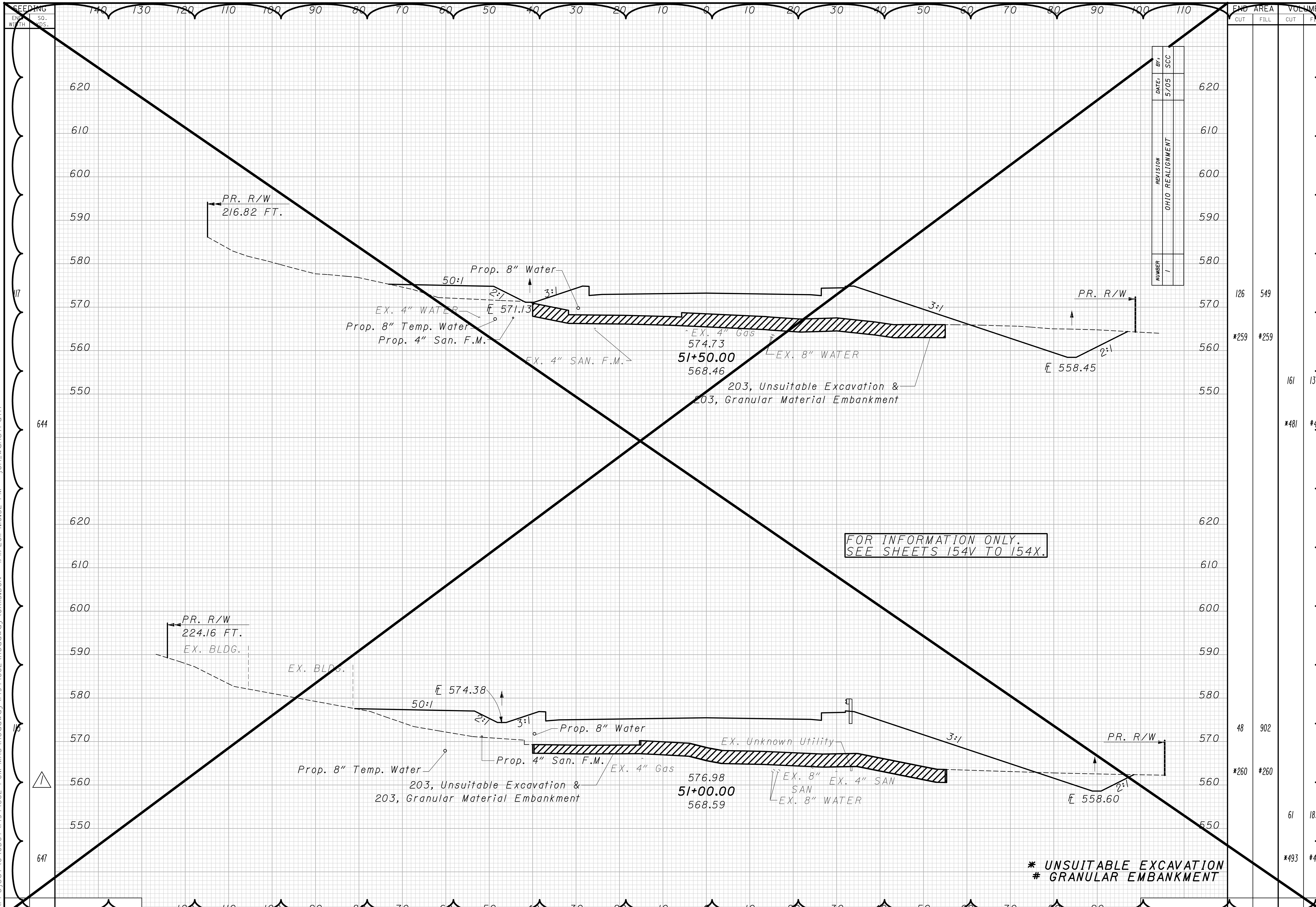
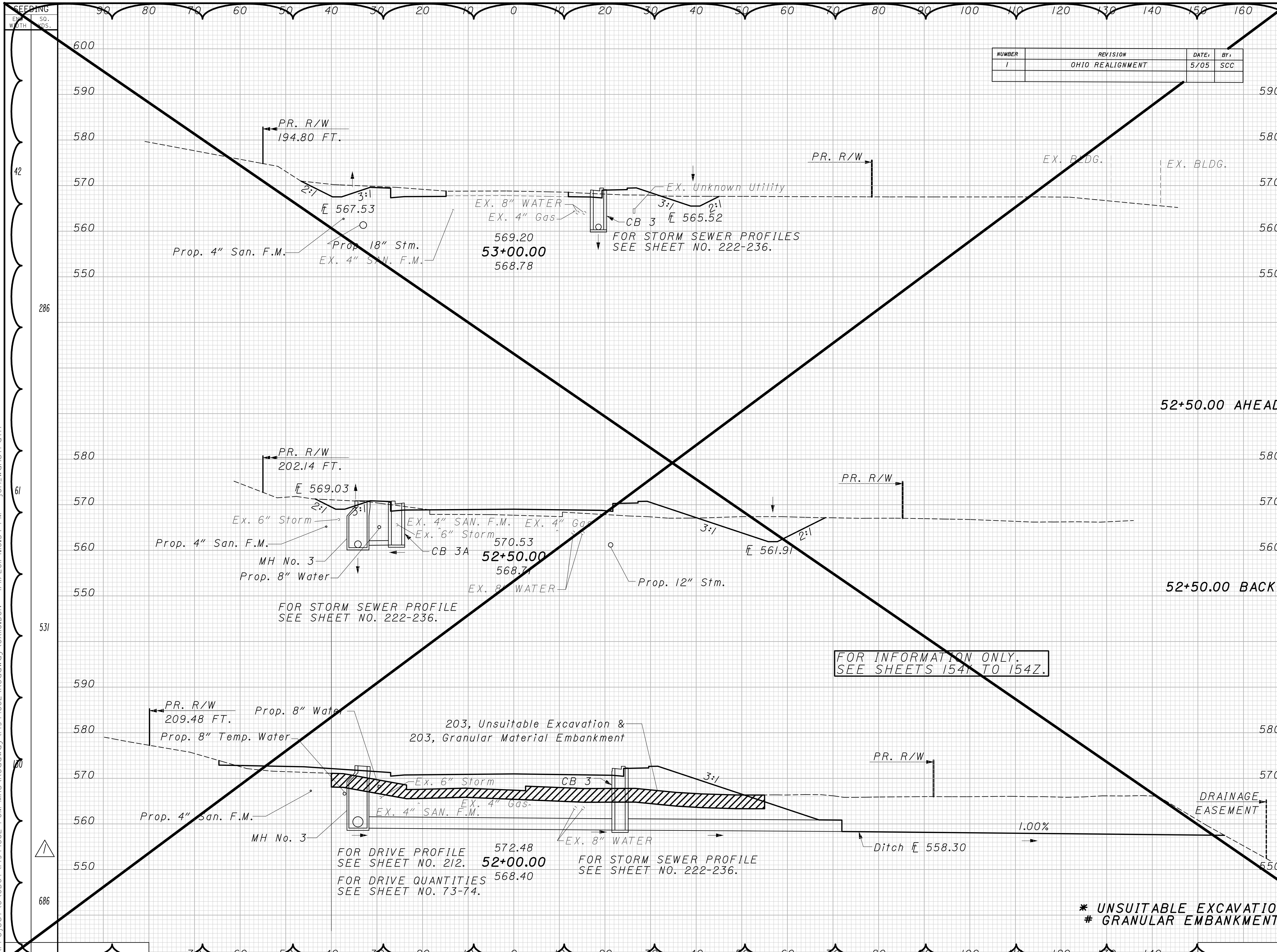


CALCULATED MHT
CHECKED AM

SR 833 CROSS SECTIONS
STA. 51+00.00 TO STA. 51+50.00

MEG-33-15.70

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

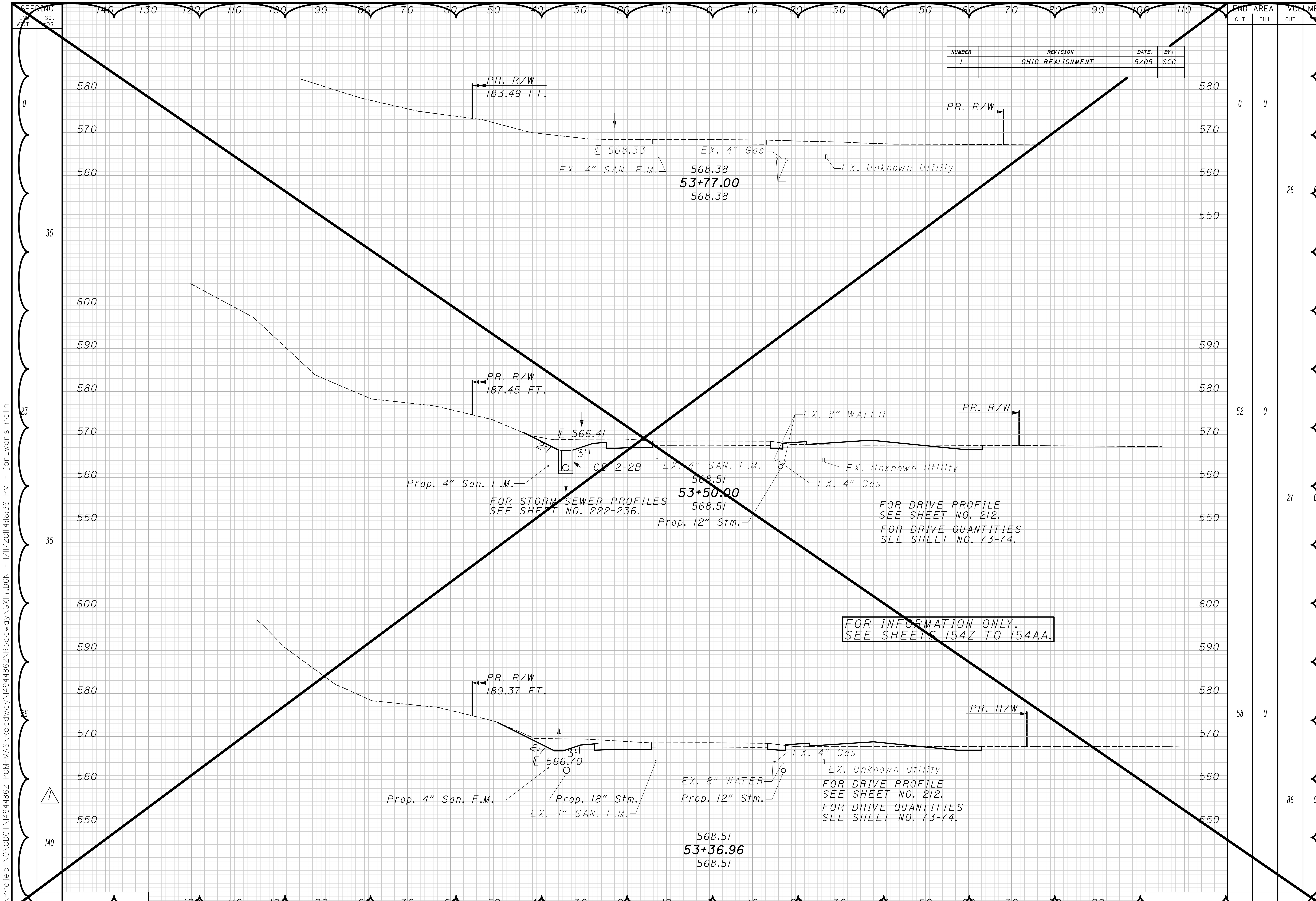


CALCULATED MHT
CHECKED AM

SR 833 CROSS SECTIONS
STA. 52+00.00 TO STA. 53+00.00

MEG-33-15.70

J:\Project\O\ODOT\4944862 POM-MAS\Roadway\4944862\Roadway\GX116.DGN - 1/11/2011 4:16:34 PM - jon_wanstrath



NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED MHT
CHECKED AM

SR 833 CROSS SECTIONS
STA. 53+36.96 TO STA. 53+77.00

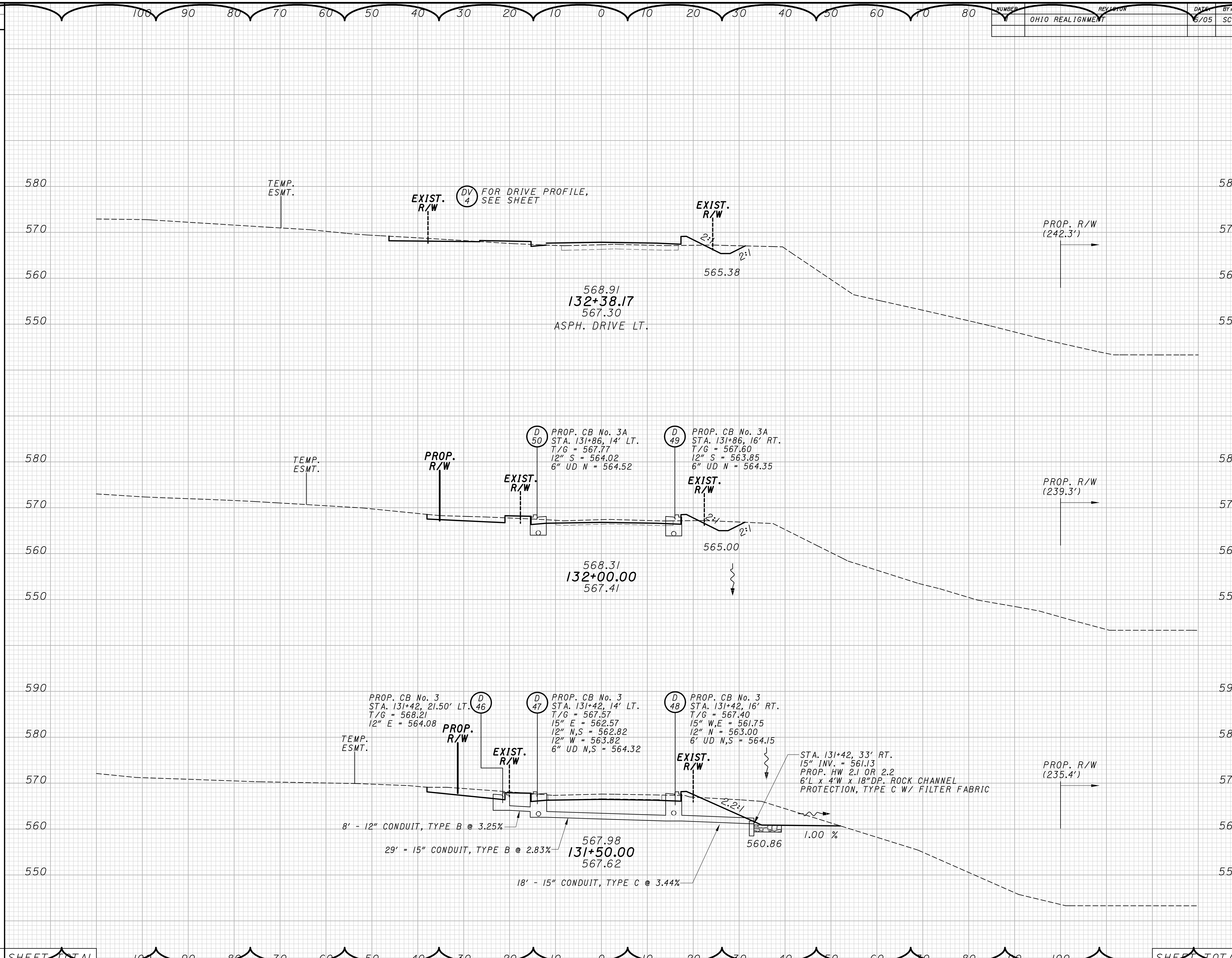
MEG-33-15.70

166/582

J:\Project\O\ODOT\4944862 POM-MAS\Roadway\4944862\Roadway\GX117.DGN - 1/11/2011 4:16:36 PM - jon_wanstrath

SEEDING
END WIDTH
SQ. YDS.
17
NUMBER
REVISION
DATE
BY
OHIO REALIGNMENT
6/05
SCC
END AREA
CUT
FILL
VOLUME
CUT
FILL
49
3
CALCULATED MAL
CHECKED SCC
TEMP. ESMT.
PROP. R/W
EXIST. R/W
D 45
PROP. INLET No. 2-A-8
STA. 131+11, 12.75' LT.
T/C = 568.31
WIN. = 567.64
12" N = 563.90
3:1
PROP. R/W (231.9')
568.14
131+00.00
568.1
130+50.00
568.2
130+00.00
568.5
129+50.00
568.5
SHEET TOTAL
MAIN STREET CROSS SECTIONS
STA. 129+50.00 TO 131+00.00
MEG-33-15.70
166A
582
J:\Project\O\ODOT\4944862 POM-MAS\Roadway\ak_gx_main.dgn - 1/11/2011 4:13:51PM - jon_wanstrath

NUMBER	REVISION	DATE	BY
	OHIO REALIGNMENT	6/05	SCC



SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
27		11	21		
	115			32	20
27		34	6		
	206			141	9
47		118	3		
	178			155	6
SHEET TOTAL	499			328	35

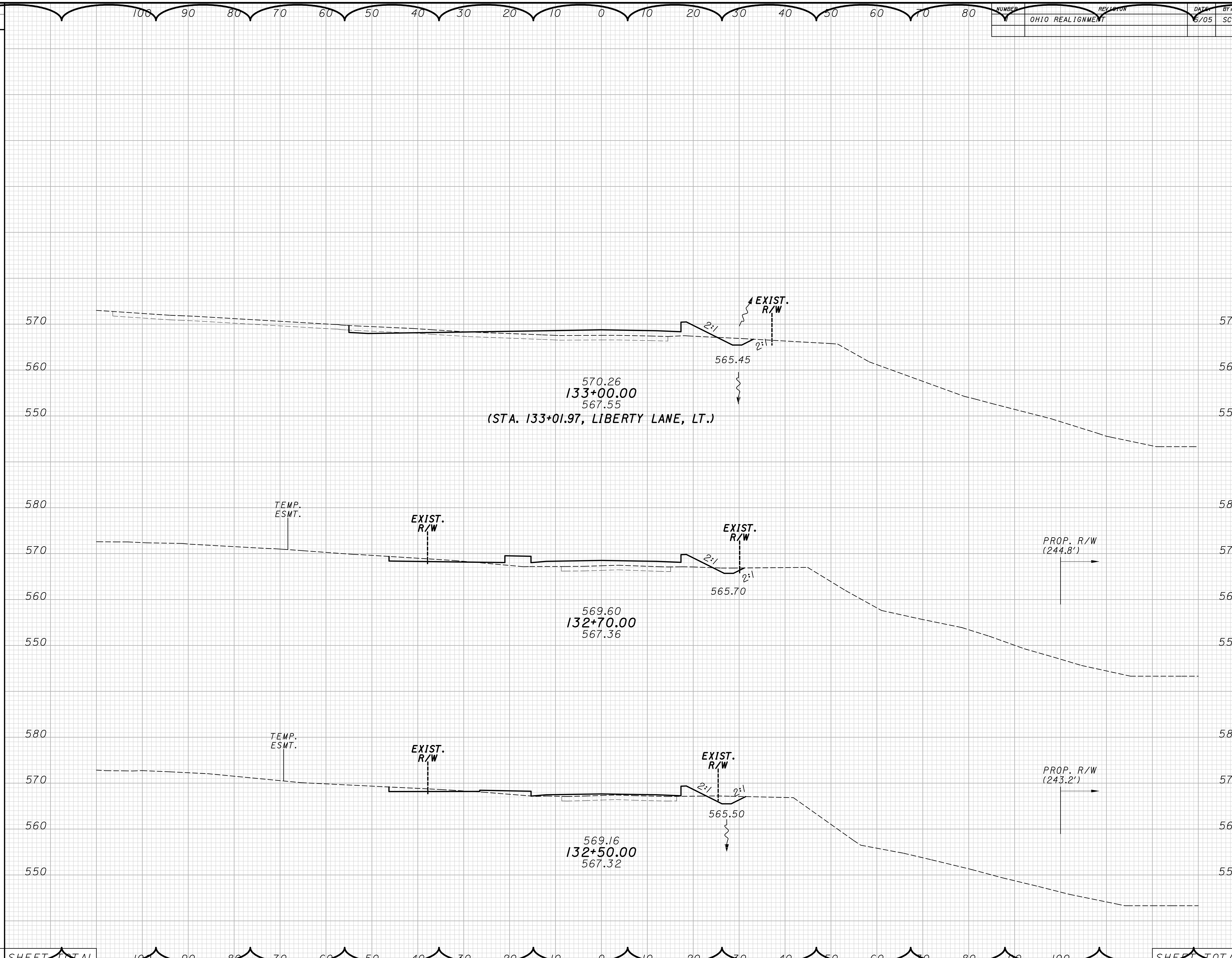
CALCULATED MAL
CHECKED SJC

MAIN STREET CROSS SECTIONS
STA. 131+50.00 TO 132+38.17

MEG-33-15.70

166B / 582

J:\Project\O\ODOT\4944862 POM-MAS\Roadway\ak_gx_main.dgn - 1/11/2011 4:13:52 PM - jon.wanstrath



NUMBER	REVISION	DATE	BY
	OHIO REALIGNMENT	5/05	SCC

SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
28		32	55		
	90			21	65
26		5	61		
	59			9	26
27		17	9		
	36			7	7
SHEET TOTAL	185			37	98

CALCULATED MAL
CHECKED SJC

MAIN STREET CROSS SECTIONS
STA. 132+50.00 TO 133+00.00

MEG-33-15.70

166C
582

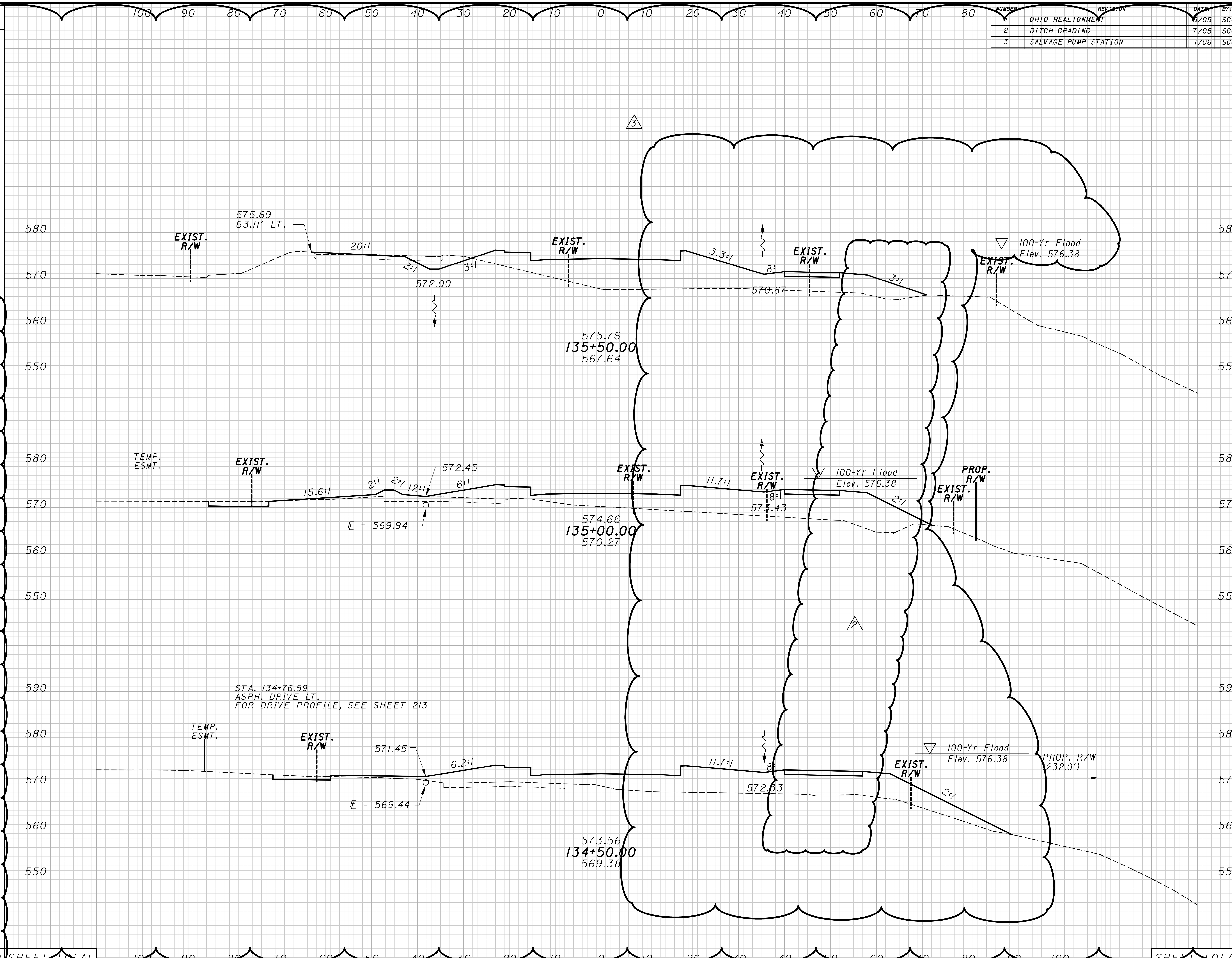
J:\Project\O\ODOT\4944862 POM-MAS\Roadway\4944862\Roadway\ak_gx_main.dgn - 1/11/2011 4:13:53 PM - jon.wanstrath

SEEDING
END WIDTH
SQ. YDS.
END AREA
CUT FILL
VOLUME
CUT FILL
NUMBER | REVISION | DATE | BY
1 OHIO REALIGNMENT 6/05 SCC
2 DITCH GRADING 7/05 SCC
3 SALVAGE PUMP STATION 1/06 SCC
CALCULATED MAL
CHECKED SJC
MAIN STREET CROSS SECTIONS
STA. 133+40.00 TO 134+00.00
MEG-33-15.70
166D
582
TEMP. ESMT.
EXIST. R/W
PROP. R/W
3:1
2:1
568.94
572.46
134+00.00
568.73
54
293
8 155
19 246
568.44
571.36
133+50.00
568.01
51
88
13 110
17 43
PROP. CB No. 2-3
STA. 133+37.25, 38' LT.
T/G = 568.16
12" S,N,E = 563.39
D 52
PROP. CB No. 3A
STA. 133+40, 14' LT.
T/G = 570.74
21" E = 559.65
12" W = 560.40
6" UD N = 567.49
D 54
* PORTIONS OF DRAINAGE ITEMS INSTALLED AS PER ORIGINAL PLANS
STA. 133+35.47, 62.75' RT.
21" INV. = 558.88*
EX. HW*
6" CONC. RIPRAP, 5'L x 14"W*
4:1
568.16
77' - 21" CONDUIT, TYPE B @ 1.00%*
24' - 12" CONDUIT, TYPE C @ 12.46%
MASONRY COLLAR AS PER ODOT STD. DM-1.1
558.88
1.00 %
571.14
133+40.00
567.85
8'L x 14'W x 18"DP. ROCK CHANNEL PROTECTION, TYPE C W/ FILTER FABRIC*
167
81 118
300
84 129
681
SHEET TOTAL
120 418
J:\Project\O\ODOT\4944862 POM-MAS\Roadway\4944862\Roadway\ak_gx_main.dgn - 1/11/2011 4:13:54 PM - jon.wanstrath

MAIN STREET CROSS SECTIONS
STA. 134+50.00 TO 135+50.00

MEG-33-15.70

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC
2	DITCH GRADING	7/05	SCC
3	SALVAGE PUMP STATION	1/06	SCC



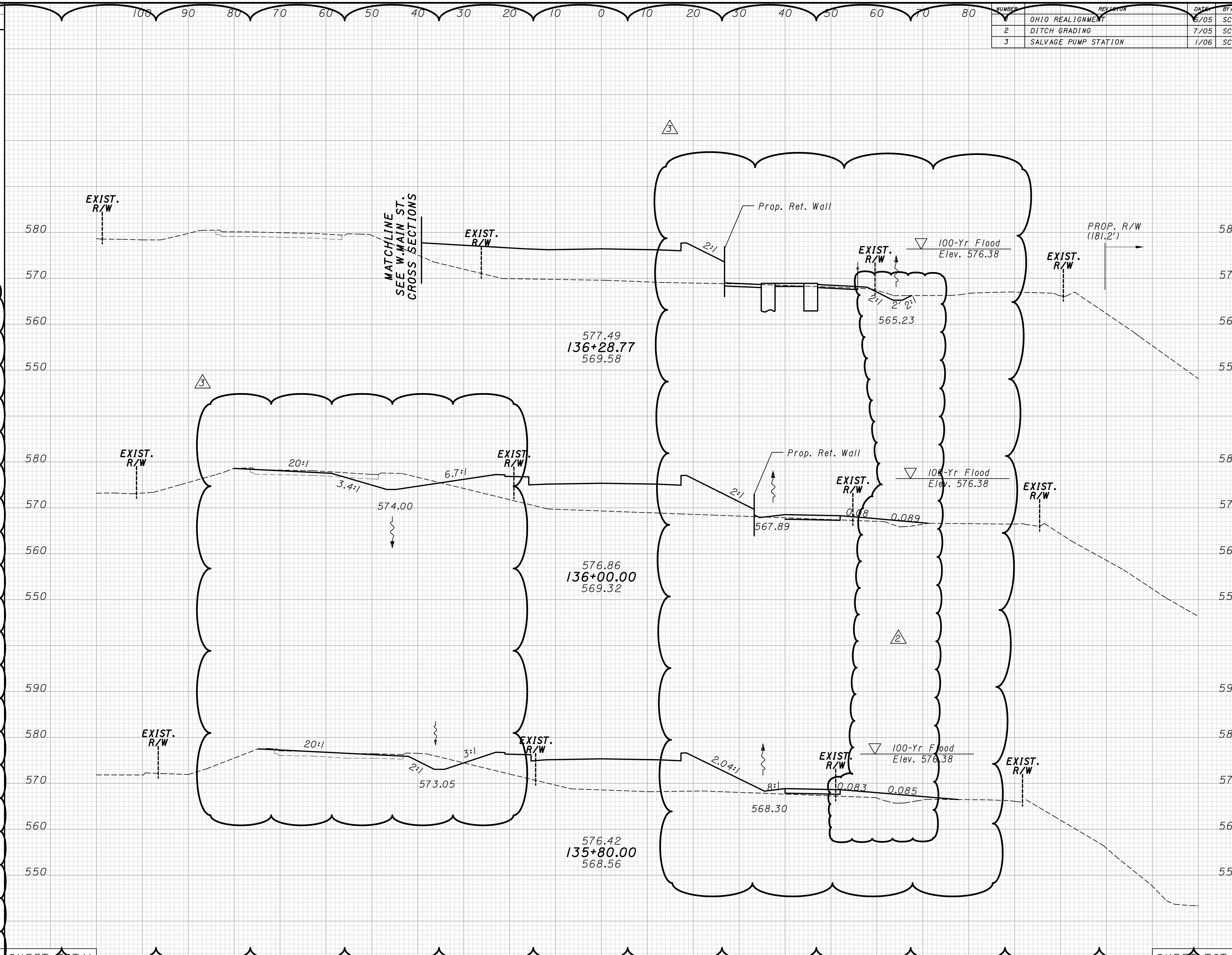
SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
110		60	447		
	635			83	820
119		29	438		
	657			36	832
118		10	461		
	478			16	570
SHEET TOTAL	1770			135	2222

CALCULATED MAL
CHECKED SJC

166E
582

J:\Project\O\ODOT\4944862 POM-MAS\Roadway\4944862\Roadway\xk_gx_main.dgn 1/11/2011 4:13:55 PM jon wanstrath

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC
2	DITCH GRADING	7/05	SCC
3	SALVAGE PUMP STATION	1/06	SCC



SEEDING END WIDTH	SEEDING SQ. YDS.
35	255
124	279
126	393
SHEET TOTAL	927

END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
44	422	60	417
68	361	44	275
51	381	62	460
SHEET TOTAL		166	1152

CALCULATED MAL
CHECKED SJC

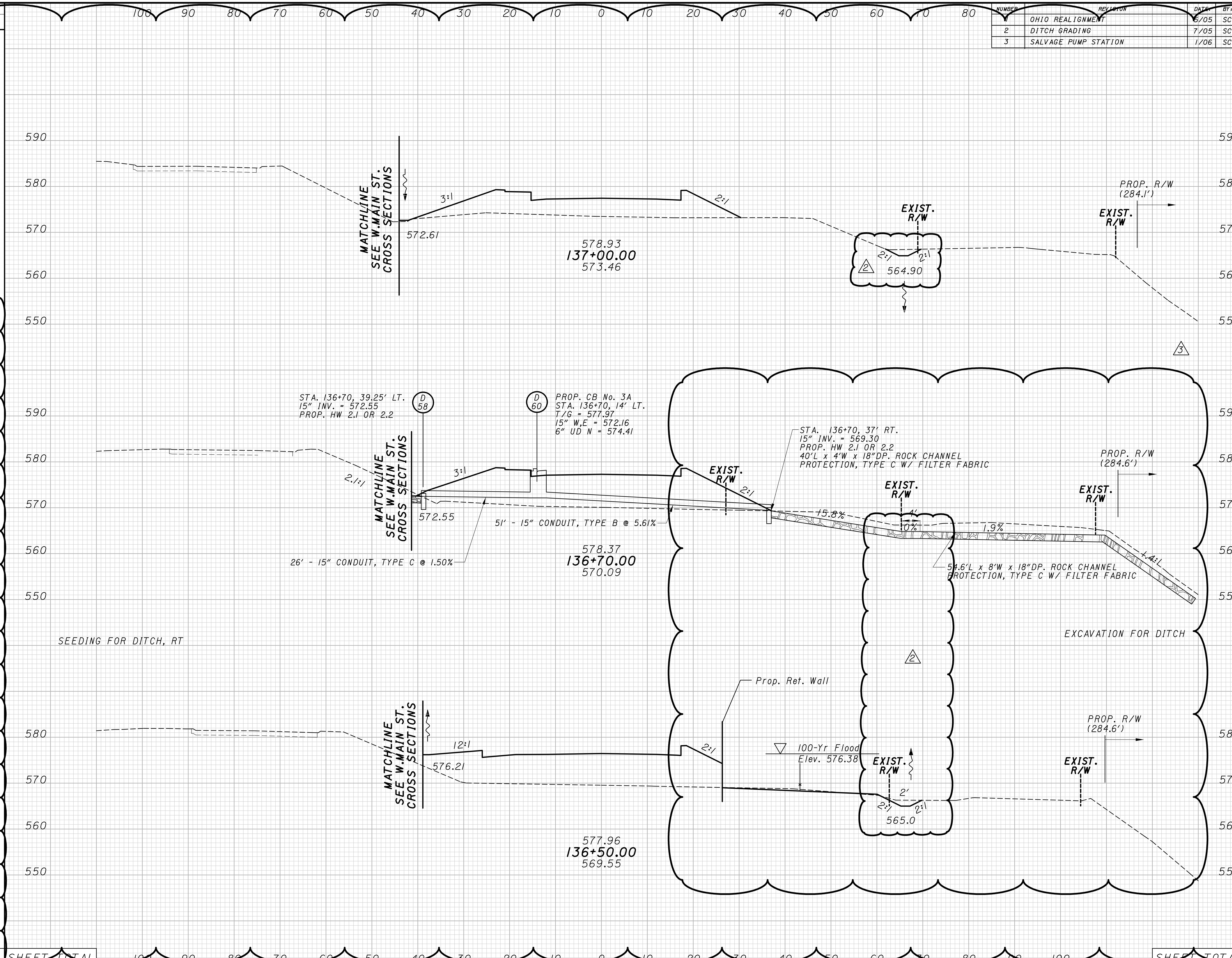
MAIN STREET CROSS SECTIONS
STA. 135+80.00 TO 136+28.77

MEG-33-15.70

166F / 582

J:\Project\O\ODOT\4944862 POM-MAS\Roadway\4944862\Roadway\xs_gx_main.dgn 1/11/2011 4:13:56 PM jon wangstrath

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC
2	DITCH GRADING	7/05	SCC
3	SALVAGE PUMP STATION	1/06	SCC



SEEDING END WIDTH	SQ. YDS.
95	
	235
46	
	139
	34
79	
	134
SHEET TOTAL	542

END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
16	247		
		17	394
15	462		
		19	328
		80	
37	424		
		32	333
SHEET TOTAL		148	1055

CALCULATED MAL
CHECKED SJC

MAIN STREET CROSS SECTIONS
STA. 136+50.00 TO 137+00.00

MEG-33-15.70

166G / 582

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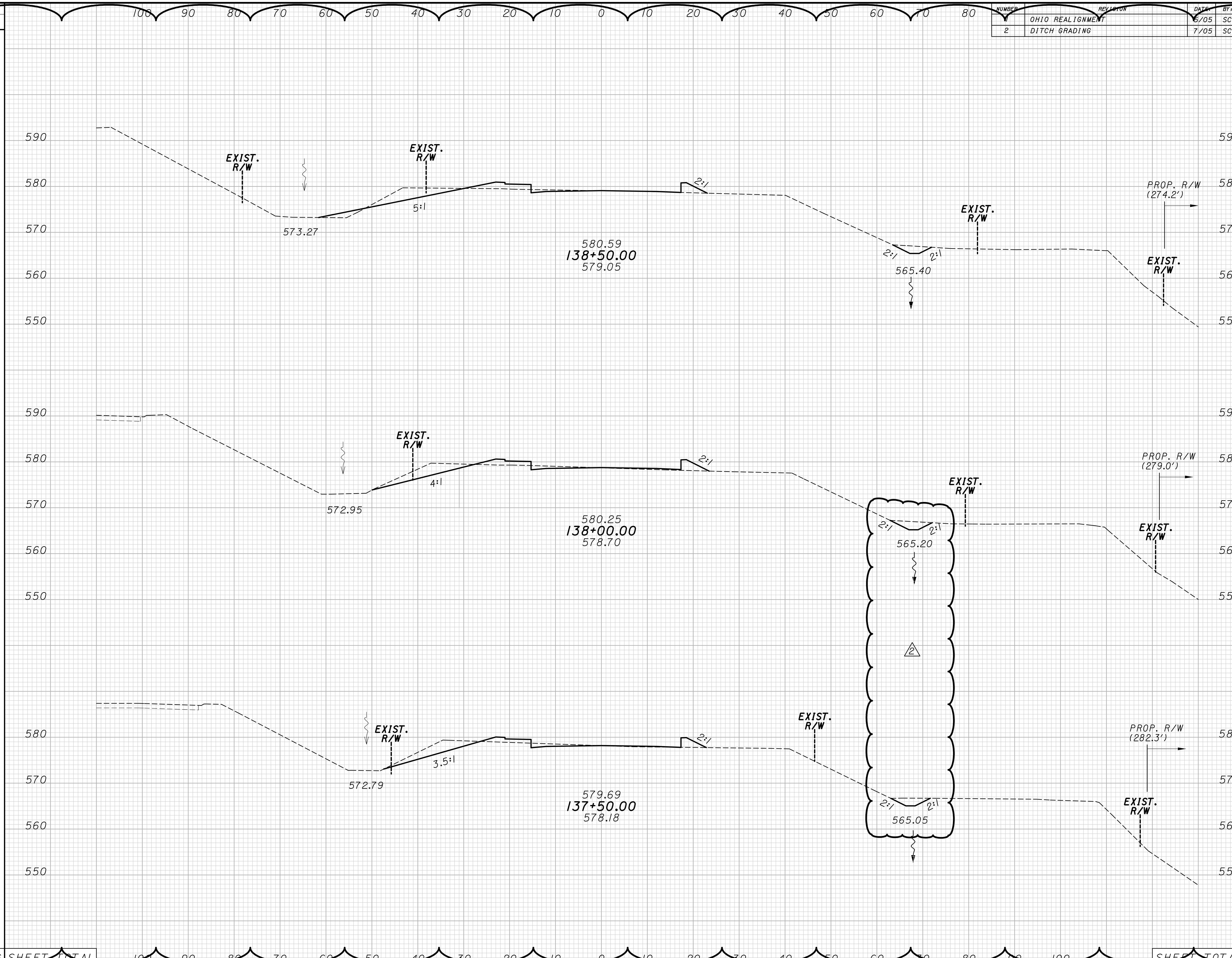
NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC
2	DITCH GRADING	7/05	SCC



SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
120		43	28		
	642			85	47
111		48	22		
	614			90	35
110		49	15		
	570			61	243
SHEET TOTAL	1826	SHEET TOTAL		236	325

CALCULATED MAL

CHECKED

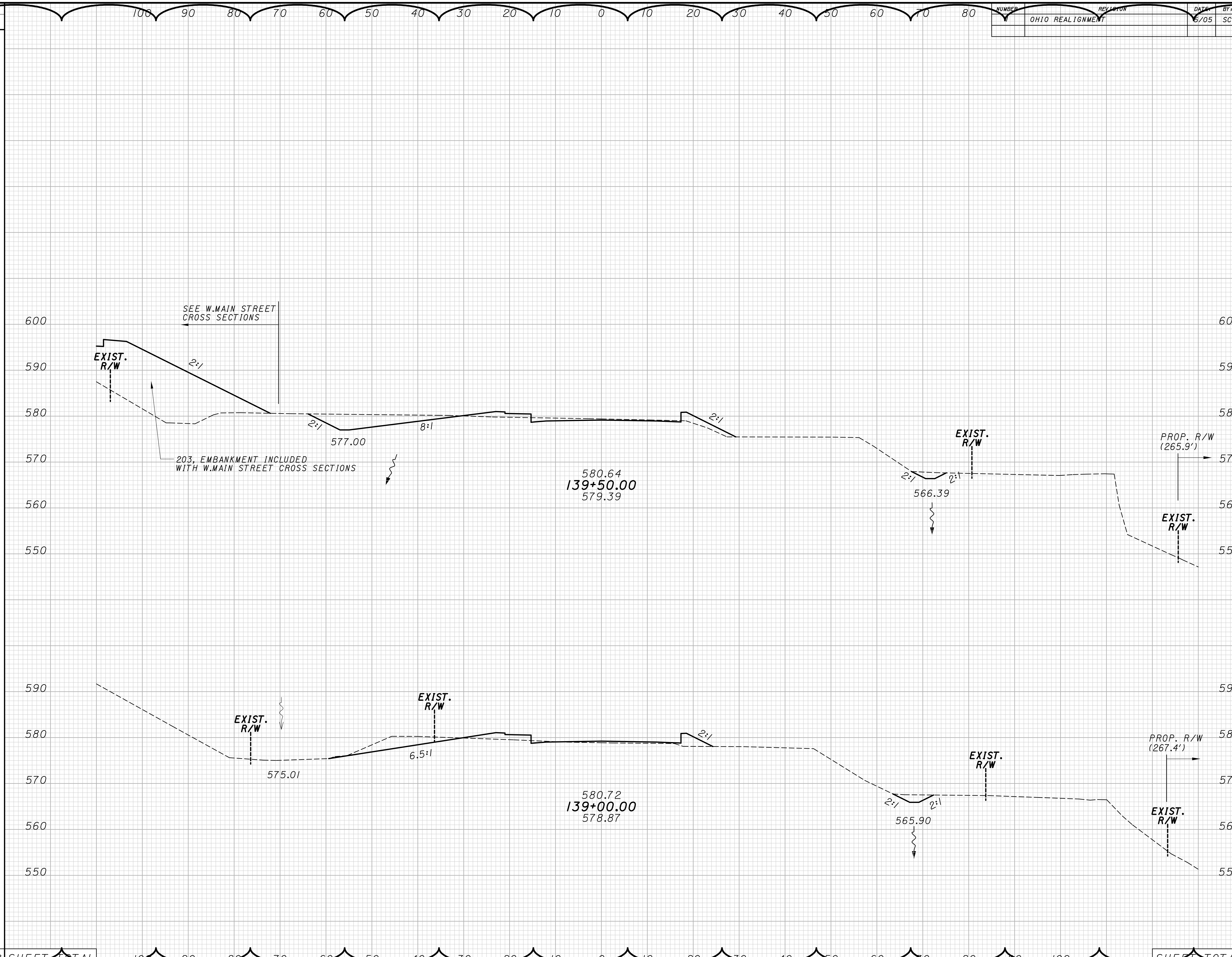
MAIN STREET CROSS SECTIONS
STA. 137+50.00 TO 138+50.00

MEG-33-15.70

166H / 582

J:\Project\O\ODOT\14944862 POM-MAS\Roadway\14944862\Roadway\ak_gx_main.dgn - 1/11/2011 4:13:59 PM - jon.wanstrath

SEEDING END WIDTH	SEEDING SQ. YDS.
127	684
119	664
	1348 SHEET TOTAL



NUMBER	REVISION	DATE	BY
	OHIO REALIGNMENT	6/05	SCC

END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
81	25	117	54
45	33	82	57
		199	111

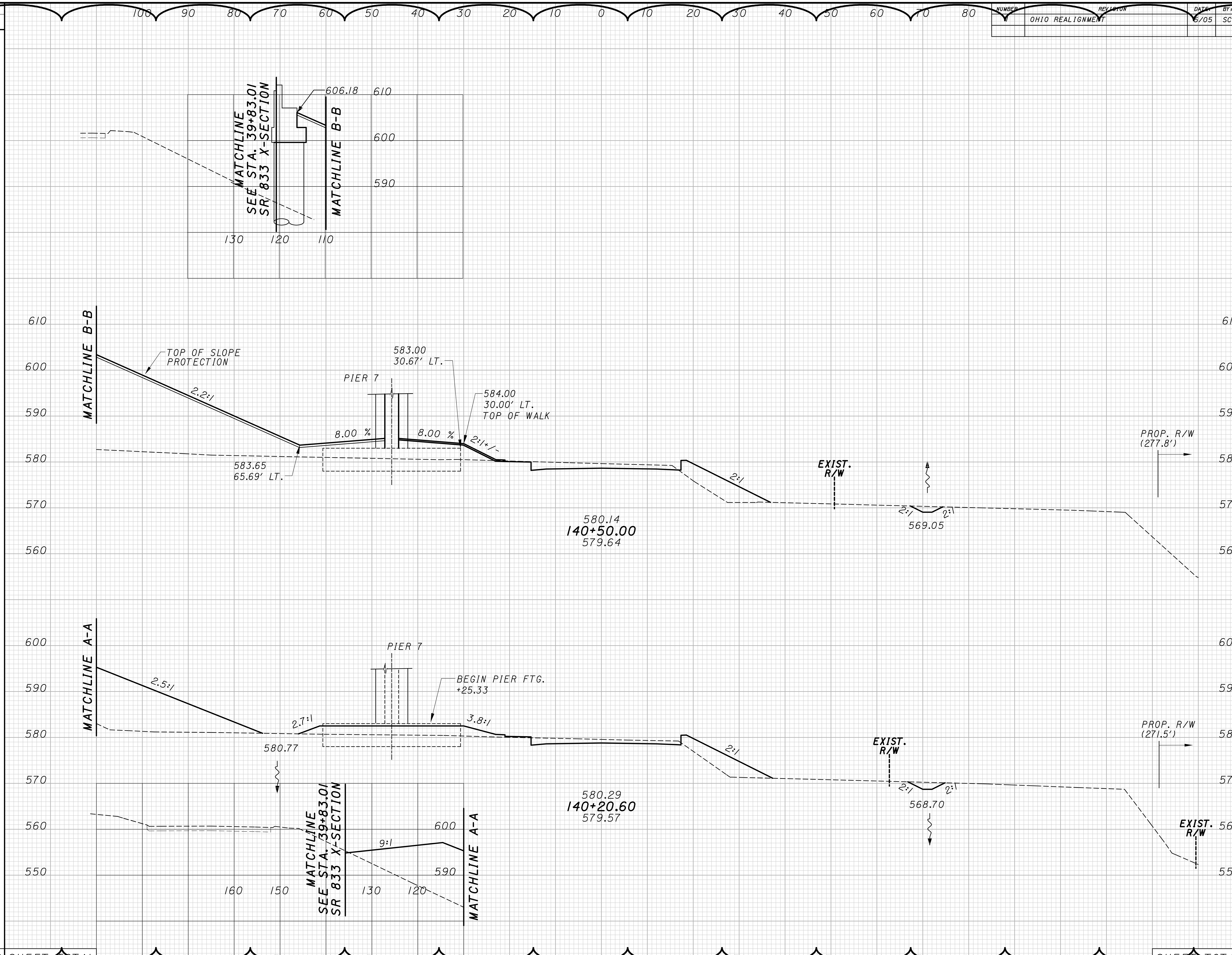
CALCULATED MAL CHECKED SJC

MAIN STREET CROSS SECTIONS STA. 139+00.00 TO 139+50.00

MEG-33-15.70

1661/582

J:\Project\O\ODOT\4944862 POM-MAS\Roadway\4944862\Roadway\ak_gx_main.dgn - 1/11/2011 4:14:00 PM - jon.wanstrath



SEEDING		END AREA		VOLUME	
END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL
71		43	856		
	234			45	771
72 AHD.		38 AHD.	560 AHD.		
126 BK.		38 BK.	136 BK.		
	993			156	211
1227	SHEET TOTAL		SHEET TOTAL	201	982

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED MAL
CHECKED SJC

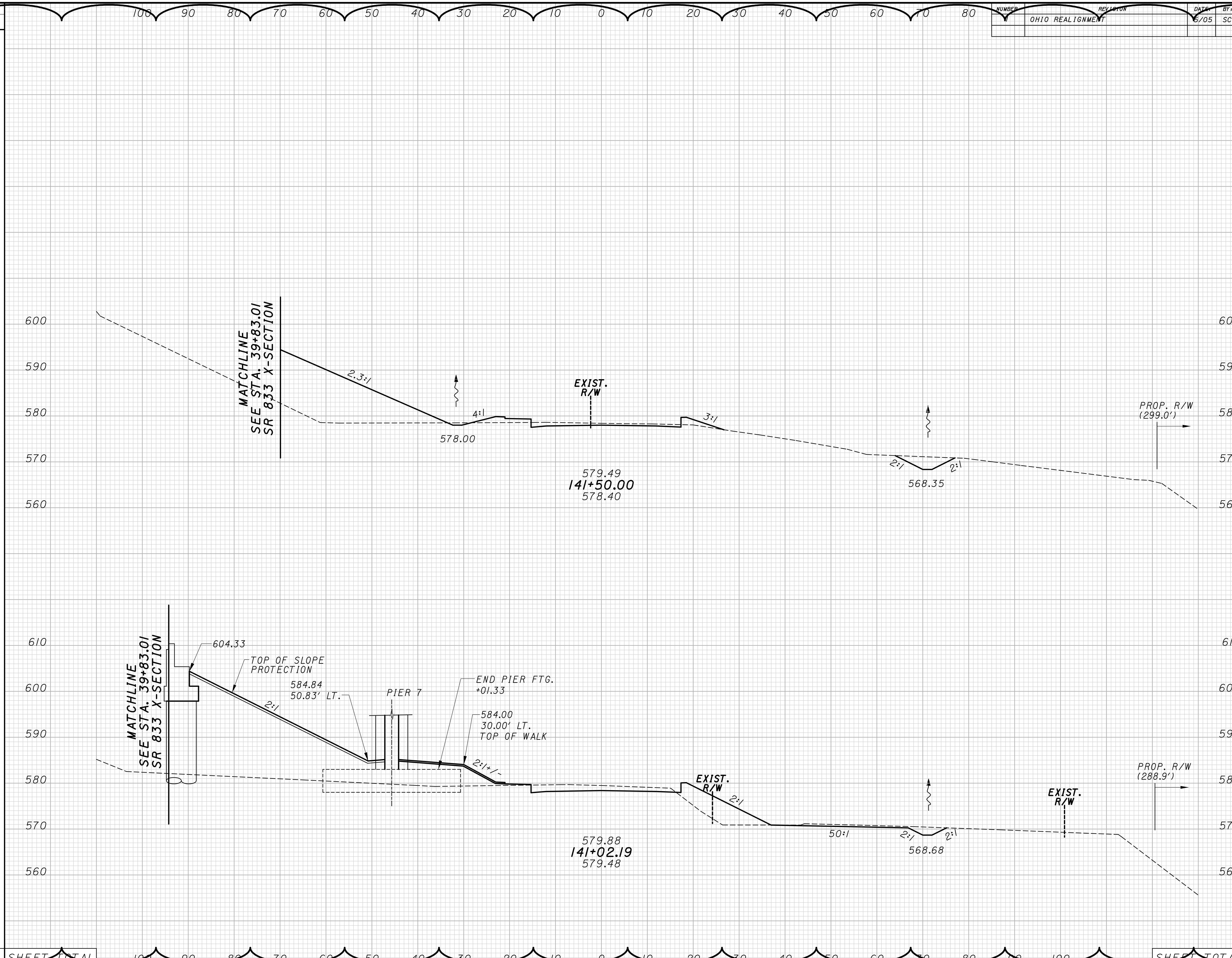
MAIN STREET CROSS SECTIONS
STA. 140+20.60 TO 140+50.00

MEG-33-15.70

NUMBER	REVISION	DATE	BY
	OHIO REALIGNMENT	5/05	SCC

CALCULATED MAL
CHECKED SJC

MAIN STREET CROSS SECTIONS
STA. 141+02.19 TO 141+50.00



SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
85		40	289		
	500			83	963
103 AHD. / 72 BK.		53	779		
	415			93	1600
	915 SHEET TOTAL			176	2563

MEG-33-15.70

166K
582

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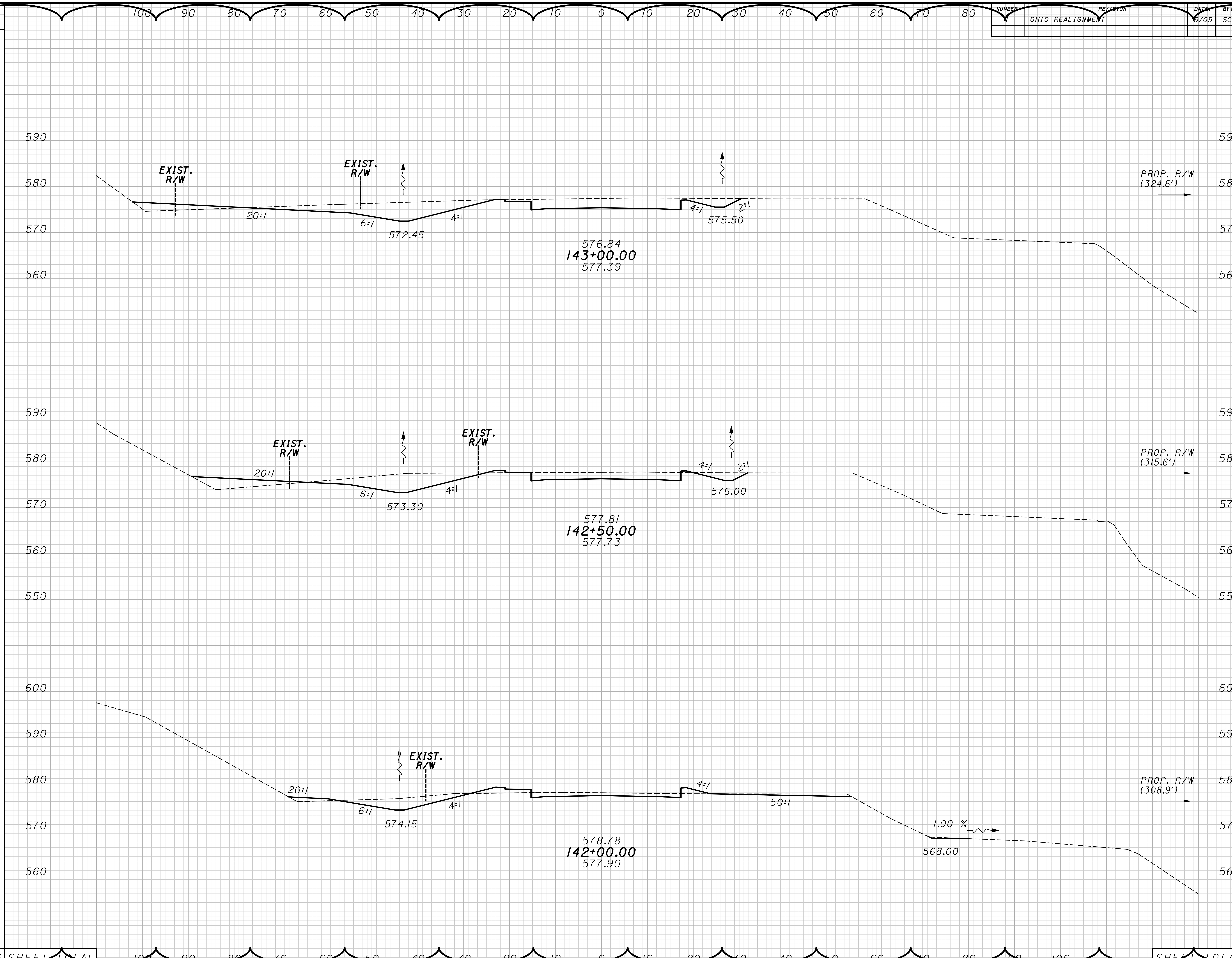
NUMBER	REVISION	DATE	BY
	OHIO REALIGNMENT	6/05	SCC



SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
117		193	24		
	617			313	54
105		144	34		
	662			207	50
133		79	20		
	606			110	286
SHEET TOTAL	1885			630	390

CALCULATED MAL
CHECKED SJC

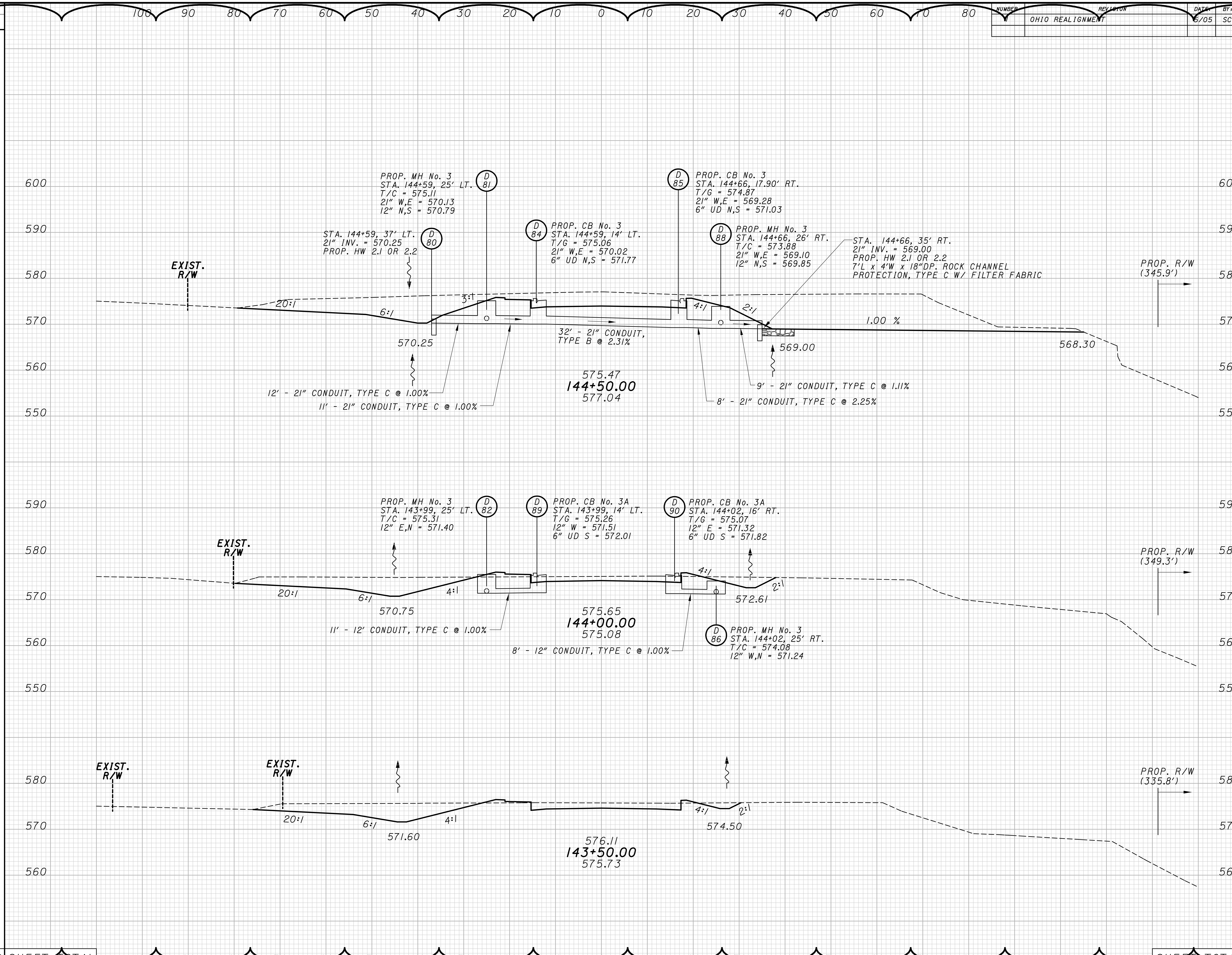
MAIN STREET CROSS SECTIONS
STA. 142+00.00 TO 143+00.00

MEG-33-15.70

166L / 582

J:\Project\O\ODOT\4944862 POM-MAS\Roadway\4944862\Roadway\ak_gx_main.dgn - 1/11/2011 4:14:02 PM - jon.wanstrath

Station	Seeding End Width	Seeding Sq. Yds.	End Area Cut	End Area Fill	Volume Cut	Volume Fill
144+50.00	168		692	0		
		750			806	10
144+00.00	102		178	10		
		537			313	14
143+50.00	91		160	5		
		578			327	27
Sheet Total		1865			1446	51



NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED MAL
CHECKED SJC

MAIN STREET CROSS SECTIONS
STA. 143+50.00 TO 144+50.00

MEG-33-15.70

166M
582

J:\Project\O\ODOT\4944862 POM-MAS\Roadway\4944862\Roadway\ak_gx_main.dgn - 1/11/2011 4:14:03 PM - jon.wanstrath

Station	Seeding End Width	Seeding Sq. Yds.	End Area Cut	End Area Fill	Volume Cut	Volume Fill
146+00.00	120		35	193		
		692			188	227
145+50.00	129		168	52		
		728			575	49
145+00.00	133		452	0		
		837			1060	0
SHEET TOTAL		2257			1823	276

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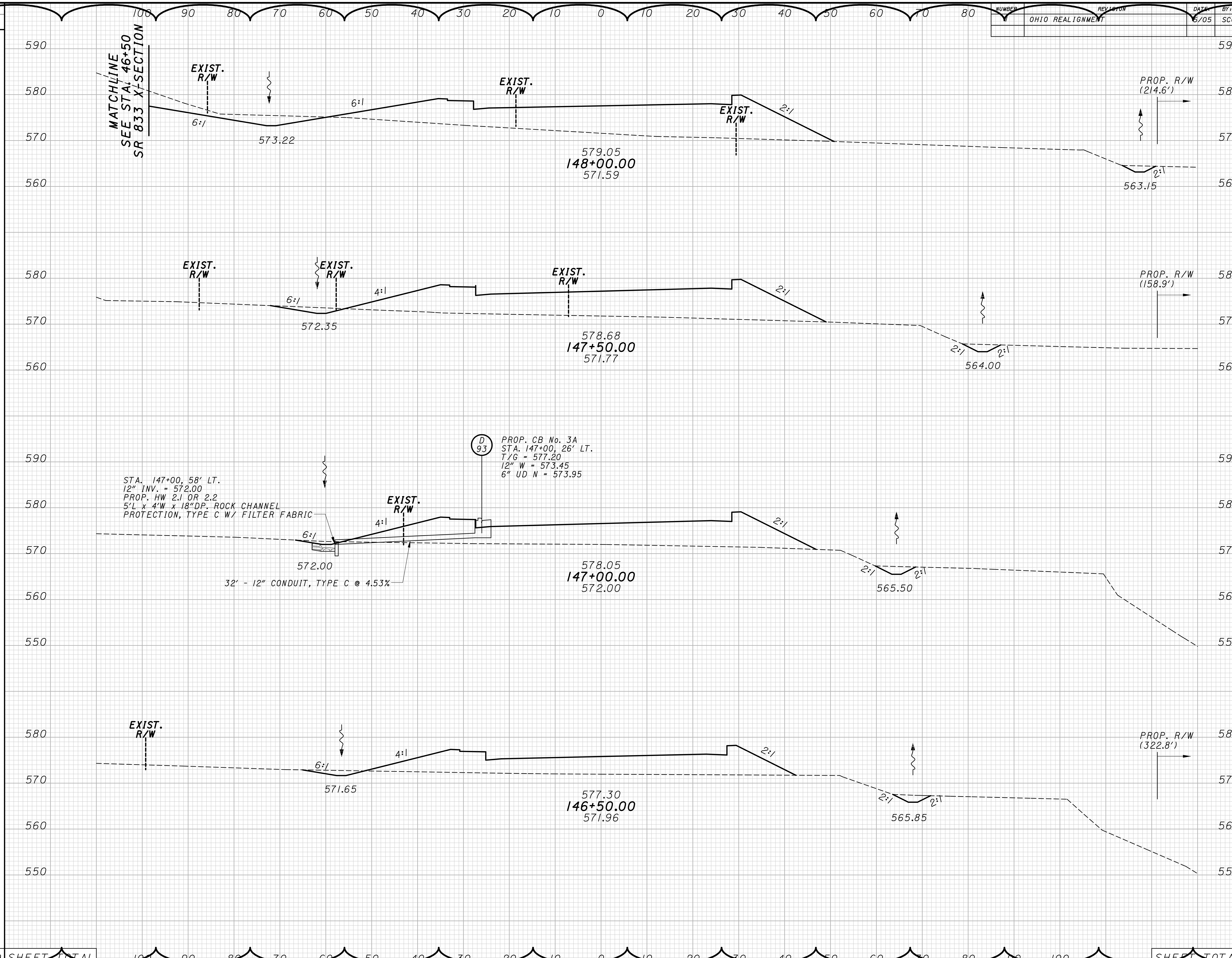
MAIN STREET CROSS SECTIONS
STA. 146+50.00 TO 148+00.00

MEG-33-15.70

1660/582

NUMBER	REVISION	DATE	BY
	OHIO REALIGNMENT	6/05	SCC

CALCULATED MAL — CHECKED SJC



SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
172		70	551		
	820			84	984
23		20	511		
	617			32	879
99		14	438		
	562			29	721
103		17	340		
	620			49	494
SHEET TOTAL	2619			194	3078

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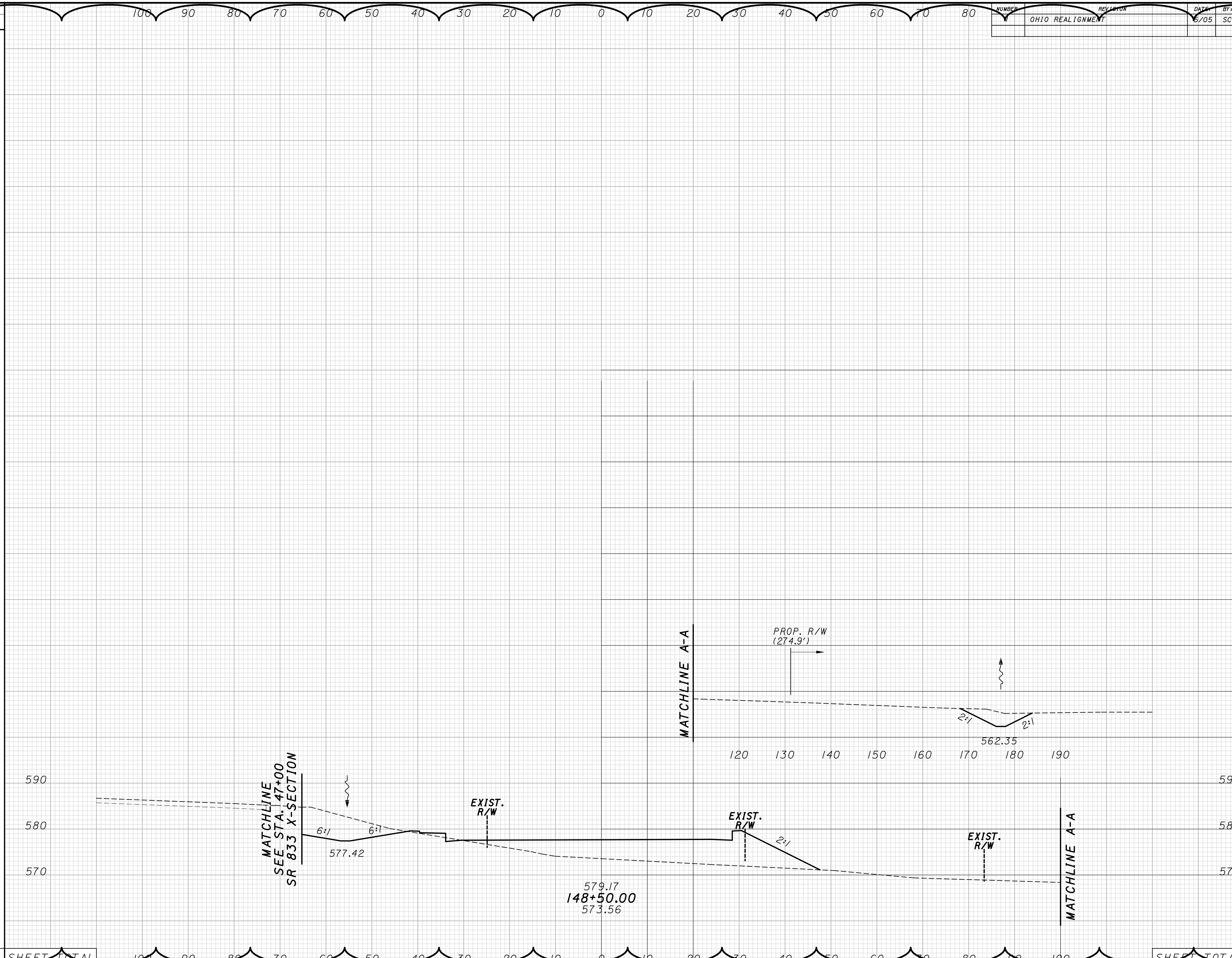
SEEDING			NUMBER	REVISION	DATE	BY	END AREA		VOLUME		CALCULATED	CHECKED
END WIDTH	SQ. YDS.						CUT	FILL	CUT	FILL	MAL	SJC
				OHIO REALIGNMENT	5/05	SCC						
185							121	296				
	992								177	785		
	992	SHEET TOTAL							177	785		



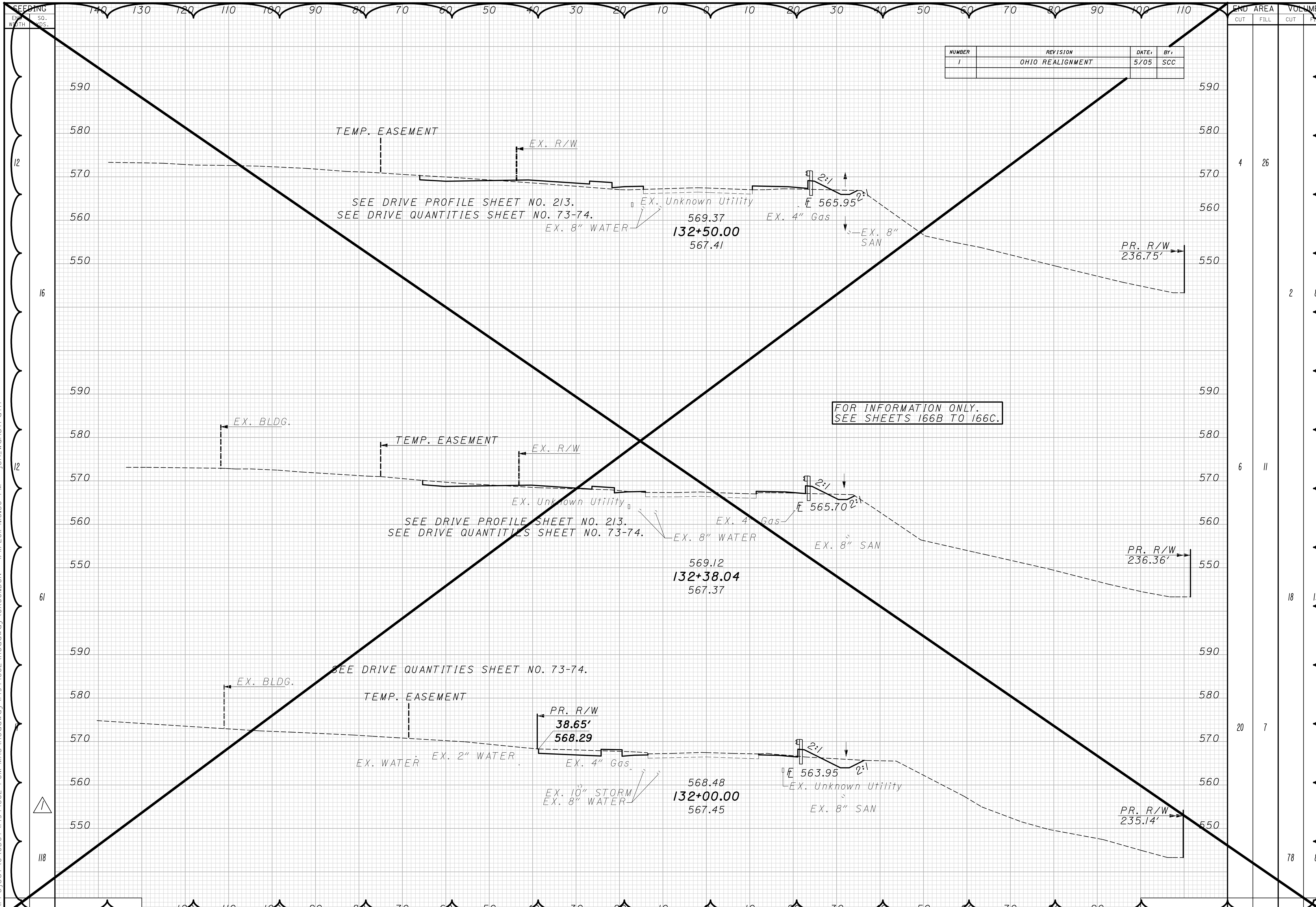
MAIN STREET CROSS SECTIONS
STA. 148+50.00

MEG-33-15.70

166P
582

J:\Project\O\ODOT\4944862 POM-MAS\Roadway\4944862\Roadway\ak_gx_main.dgn - 1/11/2011 4:14:06 PM - jon.wanstrath

SEEDING
CUT WIDTH
SQ. YDS.
END AREA
VOLUME
CUT
FILL
CALCULATED MHT
CHECKED AM
NUMBER
REVISION
DATE:
BY:
1
OHIO REALIGNMENT
5/05
SCC
SEE DRIVE QUANTITIES SHEET NO. 73-74.
EX. BLDG.
TEMP. EASEMENT
39.14'
569.16
PR. R/W
EX. Unknown Utility
EX. 2" WATER
EX. WATER
EX. 4" Gas
CB3A
EX. 10" STORM
568.07
131+50.00
567.82
EX. 8" WATER
EX. 8" SAN
℄ 561.64
2:1
PR. R/W
233.53'
FOR STORM SEWER PROFILE
SEE SHEET NO. 222-236.
SEE DRIVE QUANTITIES SHEET NO. 73-74.
EX. BLDG.
TEMP. EASEMENT
39.14'
568.72
PR. R/W
EX. 2" WATER
EX. WATER
EX. Unknown Utility
EX. 4" Gas
CB3
EX. 10" STORM
EX. 2" WATER
I-2A-10'
568.05
131+33.30
567.94
EX. 8" WATER
EX. 8" SAN
1.00%
℄ 560.88
PR. R/W
233'
FOR STORM SEWER PROFILE
SEE SHEET NO. 222-236.
FOR INFORMATION ONLY.
SEE SHEETS 166A TO 166B.
EX. BLDG.
TEMP. EASEMENT
PR. R/W
EX. Unknown Utility
EX. 10" STORM
EX. 4" Gas
EX. 8" WATER
568.15
131+00.00
568.14
EX. 8" SAN
PR. R/W
231.93'
26
61
40
74
0
0
64
2
59
1
126
2
78
1
0
0
0
0
MAIN STREET CROSS SECTIONS
STA. 131+00.00 TO STA. 131+50.00
MEG-33-15.70
167
582
J:\Project\O\ODOT\4944862 POM-MAS\Roadway\4944862\Roadway\GX600.DGN - 1/11/2011 4:16:48 PM - jon.wanstrath



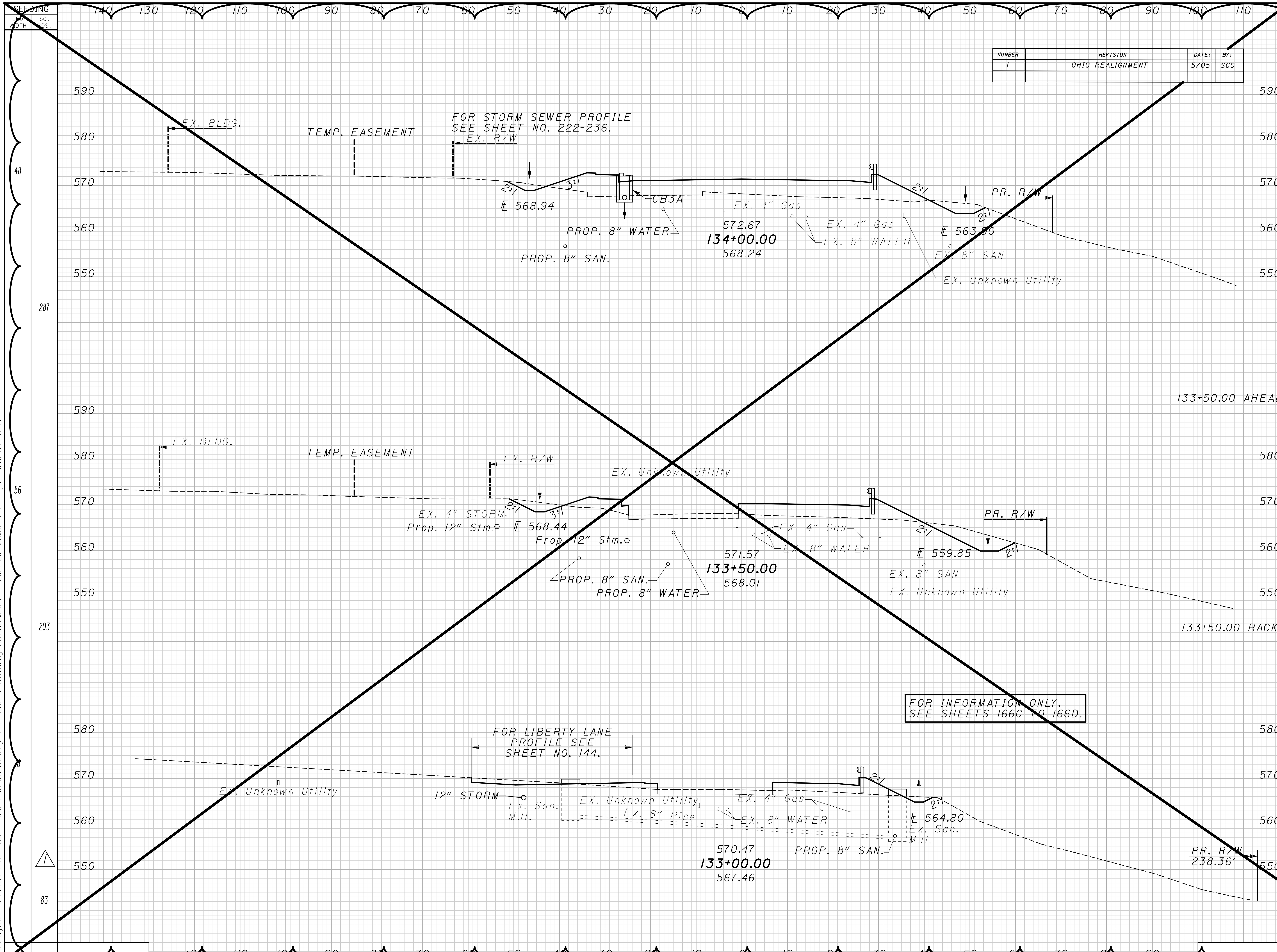
NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED MHT
CHECKED AM

MAIN STREET CROSS SECTIONS
STA. 132+00.00 TO STA. 132+50.00

MEG-33-15.70

J:\Project\O\ODOT\4944862 POM-MAS\Roadway\4944862\Roadway\GX601.DGN - 1/11/2011 4:16:50 PM - jon_wanstrath

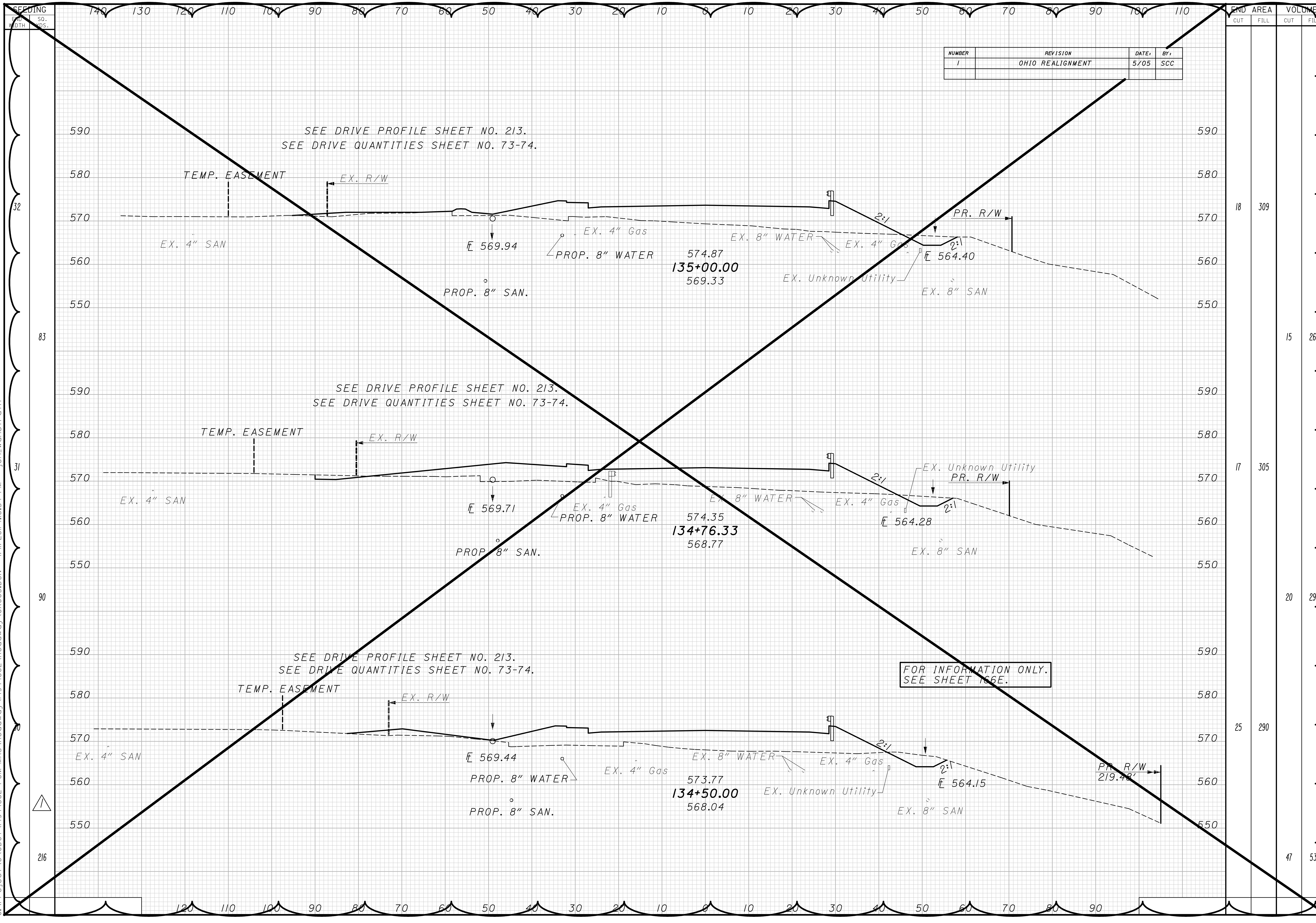


NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED MHT
CHECKED AM

MAIN STREET CROSS SECTIONS
STA. 133+00.00 TO STA. 134+00.00

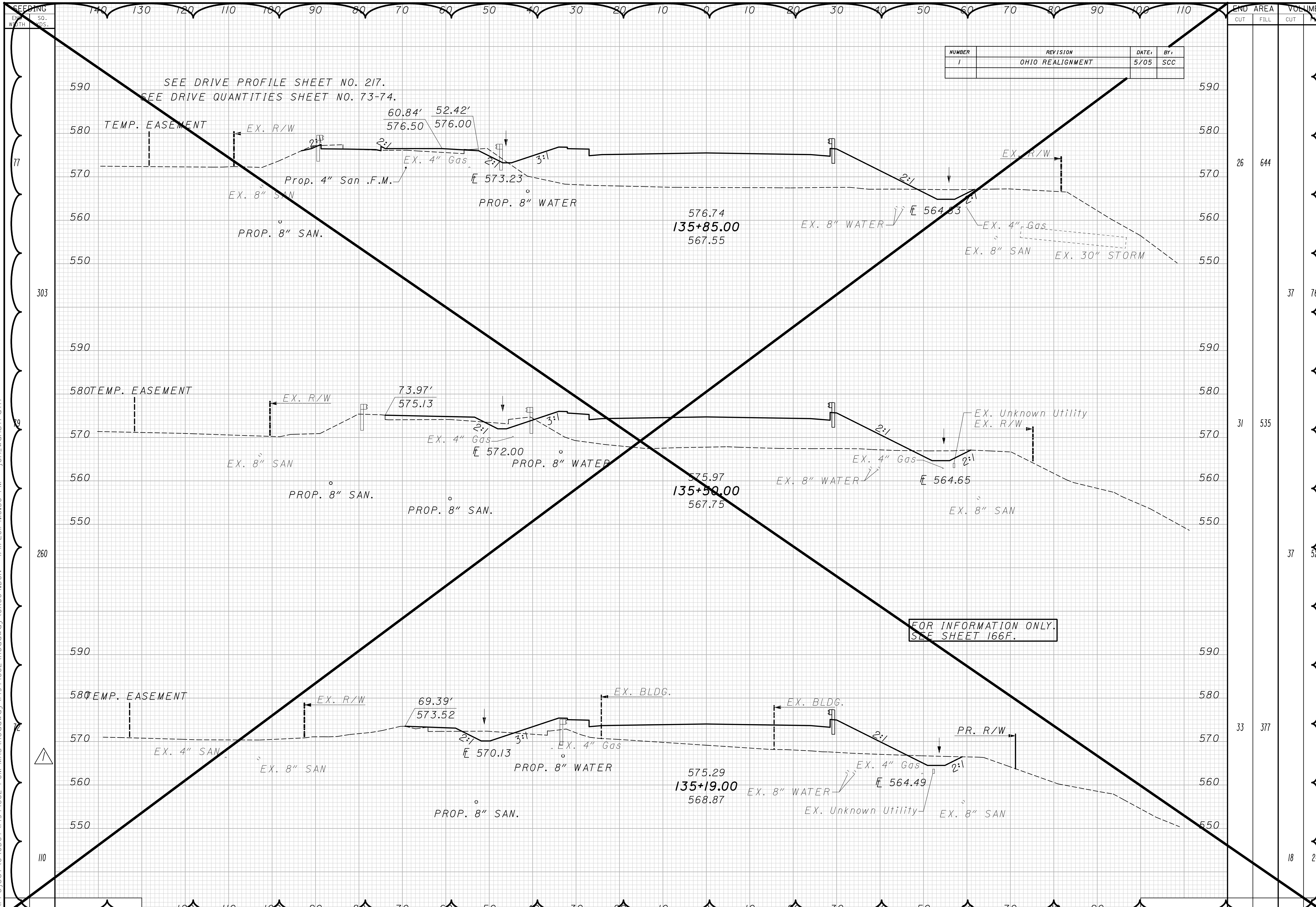
MEG-33-15.70



CALCULATED MHT
CHECKED AM

MAIN STREET CROSS SECTIONS
STA. 134+50.00 TO STA. 135+00.00

MEG-33-15.70



NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED MHT
CHECKED AM

MAIN STREET CROSS SECTIONS
STA. 135+19.00 TO STA. 135+85.00

MEG-33-15.70

SEEDING
END WIDTH
SQ. YDS.
END AREA
CUT
FILL
VOLUME
CUT
FILL
CALCULATED MHT
CHECKED AM
NUMBER
REVISION
DATE:
BY:
1
OHIO REALIGNMENT
5/05
SCC
SEE W. MAIN STREET
STA. 10+50.00
℄ 575.70
2:1
3:1
CB 2-2B
FOR STORM SEWER PROFILE
SEE SHEET NO. 222-236.
578.54
136+66.53
568.82
2:1
50:1
BEGIN 4' BOTTOM DITCH
2:1
EX. 4" Gas
EX. 8" WATER
℄ 565.02
EX. 8" SAN
EX. 4" SAN. F.M.
PR. R/W
274.55'
EX. R/W
SEE W. MAIN STREET
STA. 10+50.00
VAR.
578.17
136+50.00
568.34
2:1
50:1
2:1
EX. 4" Gas
EX. 8" WATER
℄ 565.15
EX. 4" SAN. F.M.
EX. 8" SAN
PR. R/W
274.27'
EX. R/W
FOR INFORMATION ONLY.
SEE SHEETS 166F TO 166G.
SEE W. MAIN STREET
STA. 10+50.00
VAR.
PROP. 8" WATER
577.07
136+00.00
567.66
2:1
2:1
EX. STORM
EX. 8" WATER
℄ 564.90
EX. 4" Gas
EX. R/W
55
104
59
319
56
111
10
749
6
460
8
755
25
1319
19
669
13
365
MAIN STREET CROSS SECTIONS
STA. 136+00.00 TO STA. 136+66.53
MEG-33-15.70
172
582
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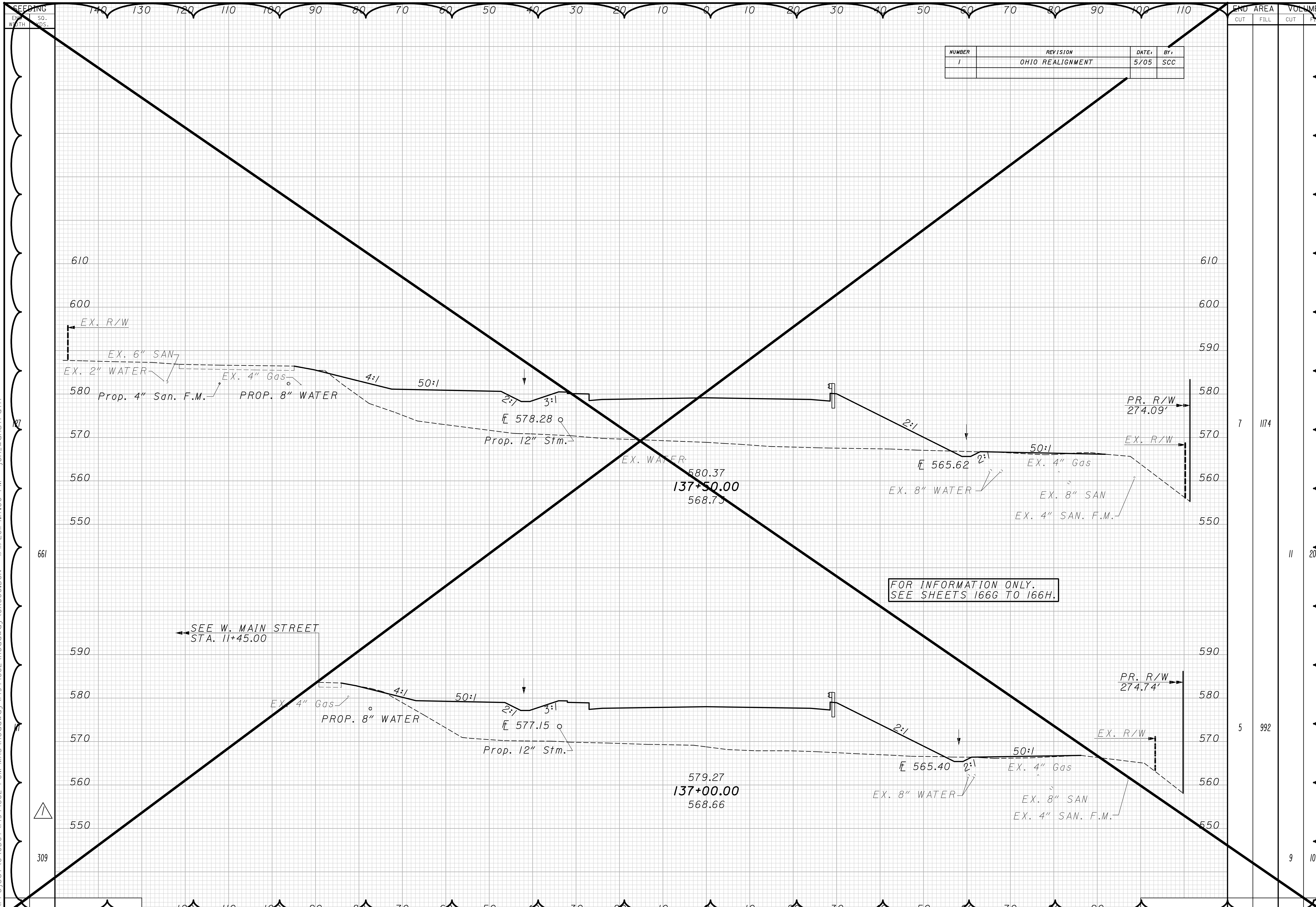


NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

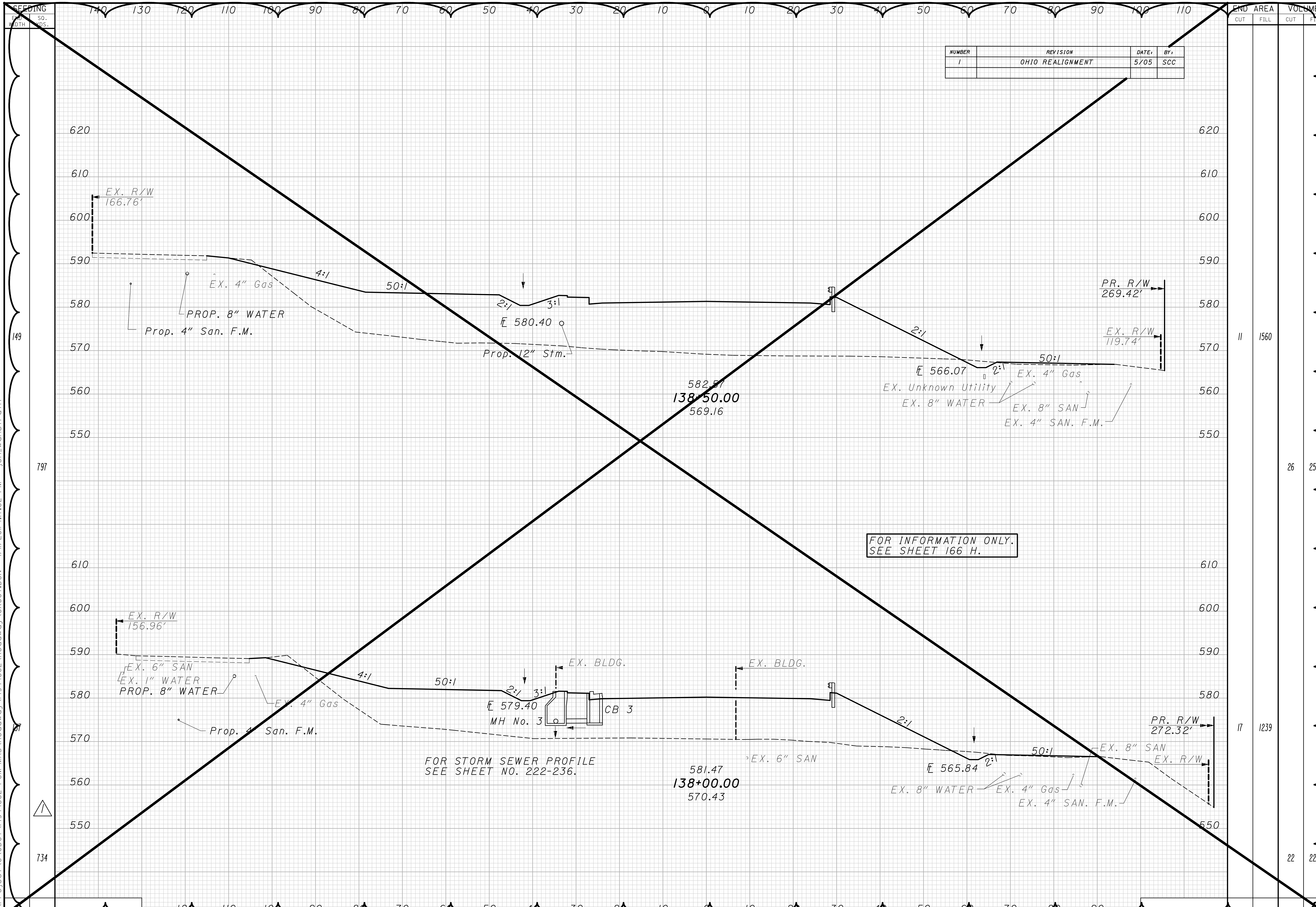
CALCULATED MHT
CHECKED AM

MAIN STREET CROSS SECTIONS
STA. 137+00.00 TO STA. 137+50.00

MEG-33-15.70

173/582

J:\Project\O\ODOT\4944862 POM-MAS\Roadway\4944862\Roadway\GX606.DGN - 1/11/2011 4:17:00 PM - jon_wanstrath



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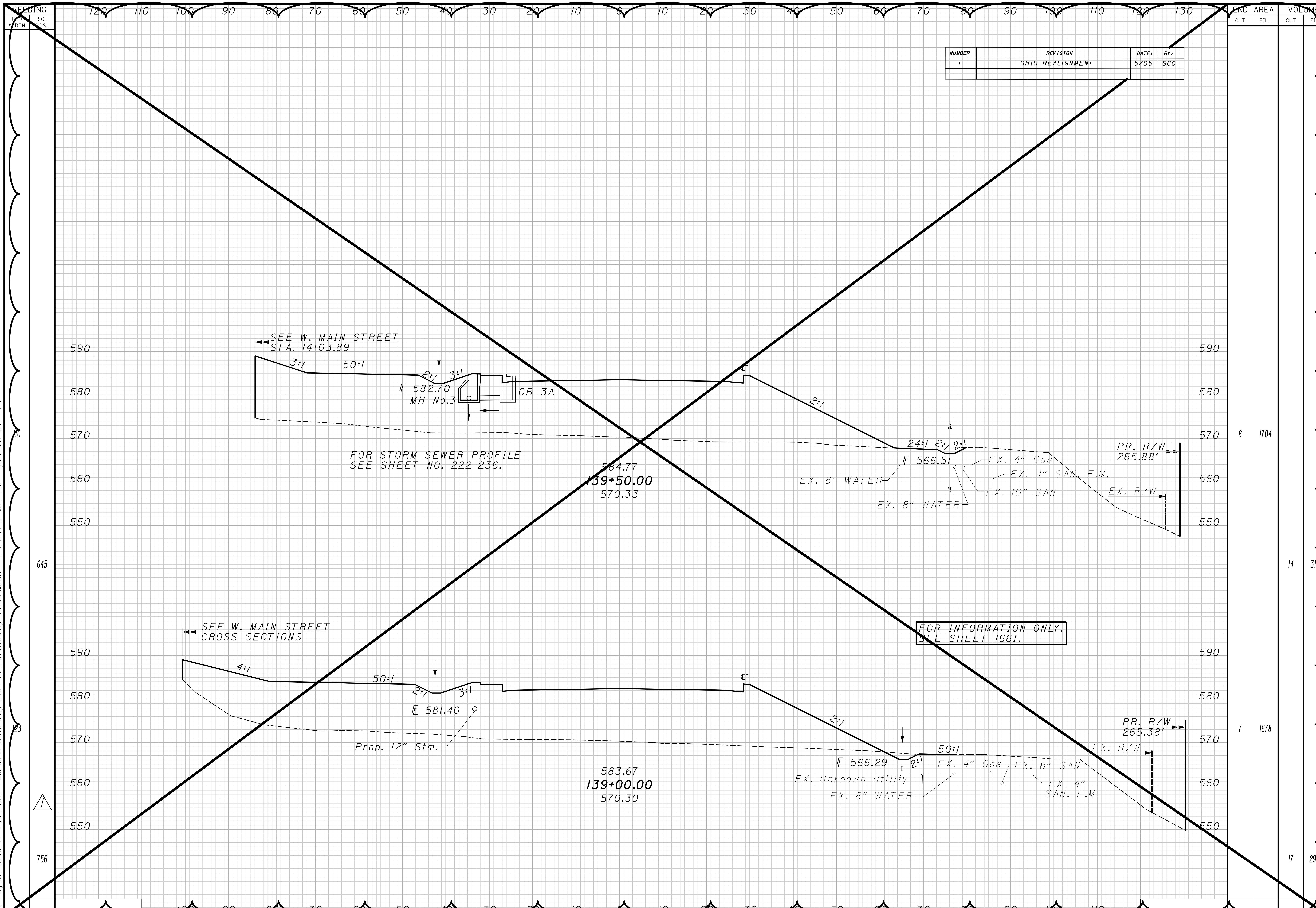
CALCULATED MHT
CHECKED AM

MAIN STREET CROSS SECTIONS
STA. 138+00.00 TO STA. 138+50.00

MEG-33-15.70

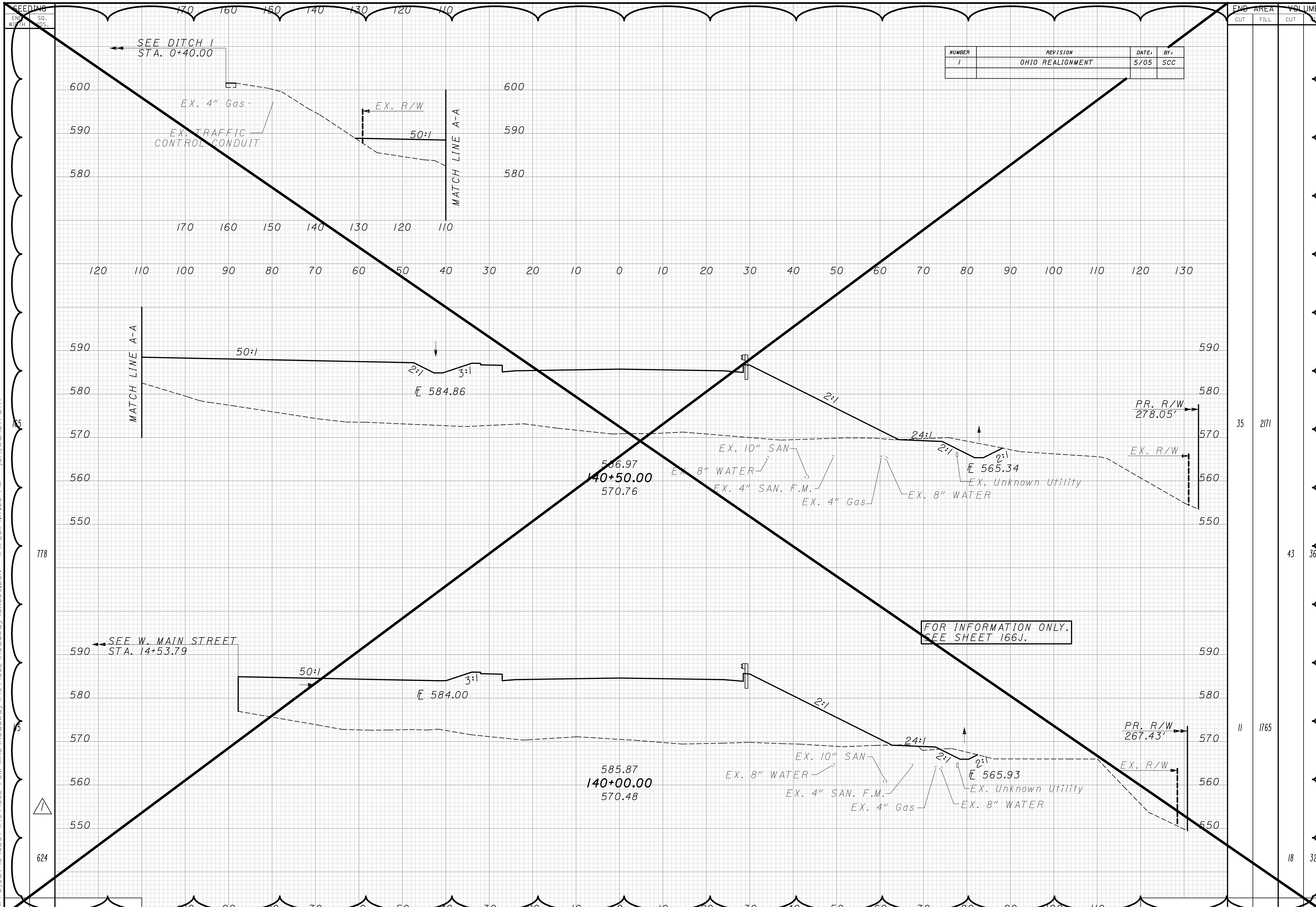


CALCULATED MHT
CHECKED AM

MAIN STREET CROSS SECTIONS
STA. 139+00.00 TO STA. 139+50.00

MEG-33-15.70

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC



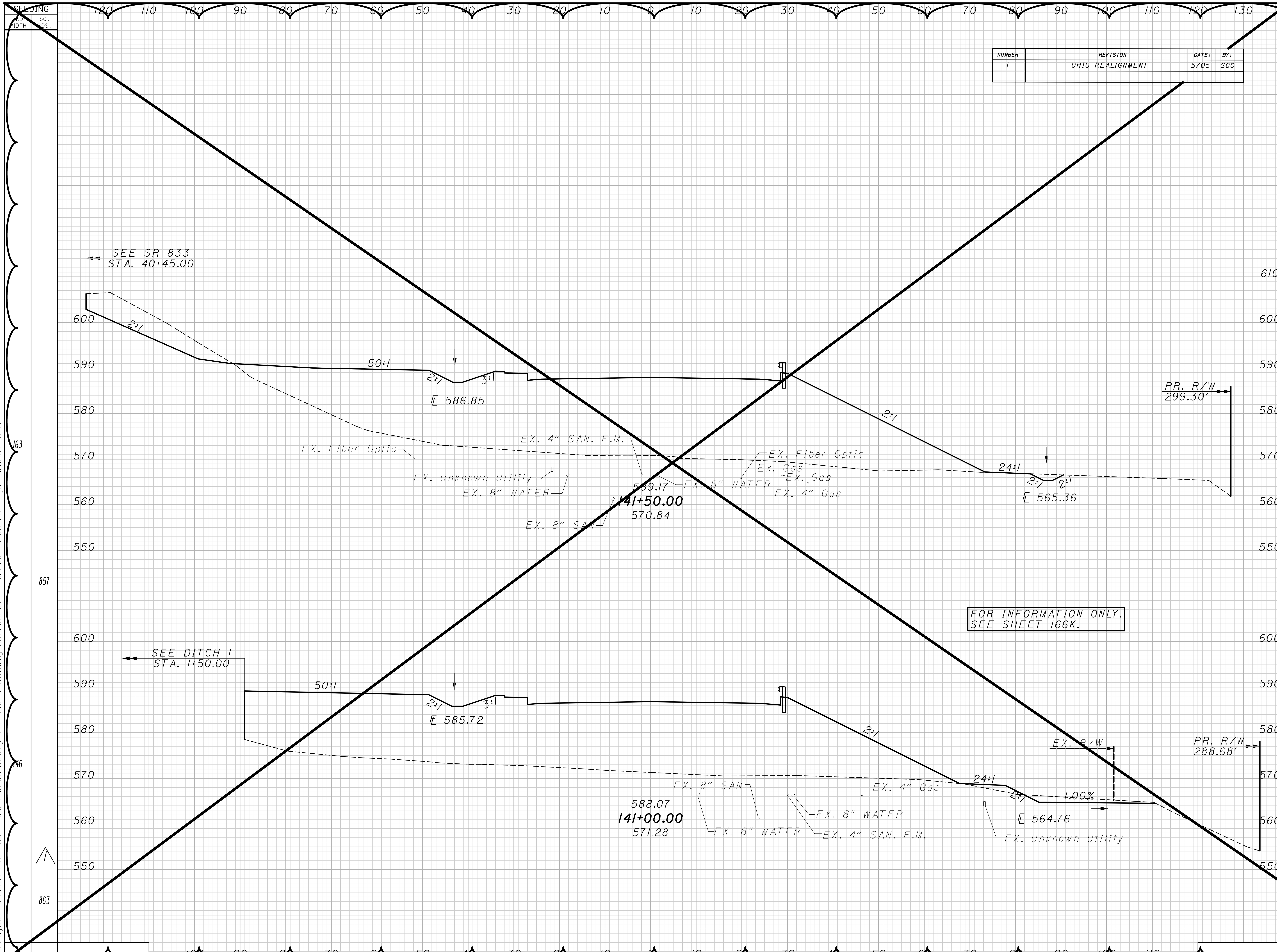
CALCULATED MHT
CHECKED AM

MAIN STREET CROSS SECTIONS
STA. 140+00.00 TO STA. 140+50.00

MEG-33-15.70

176/582

J:\Project\O\ODOT\4944862 POM-MAS\Roadway\4944862\Roadway\GX609.DGN - 1/11/2011 4:17:06 PM - jon.wanstrath



NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

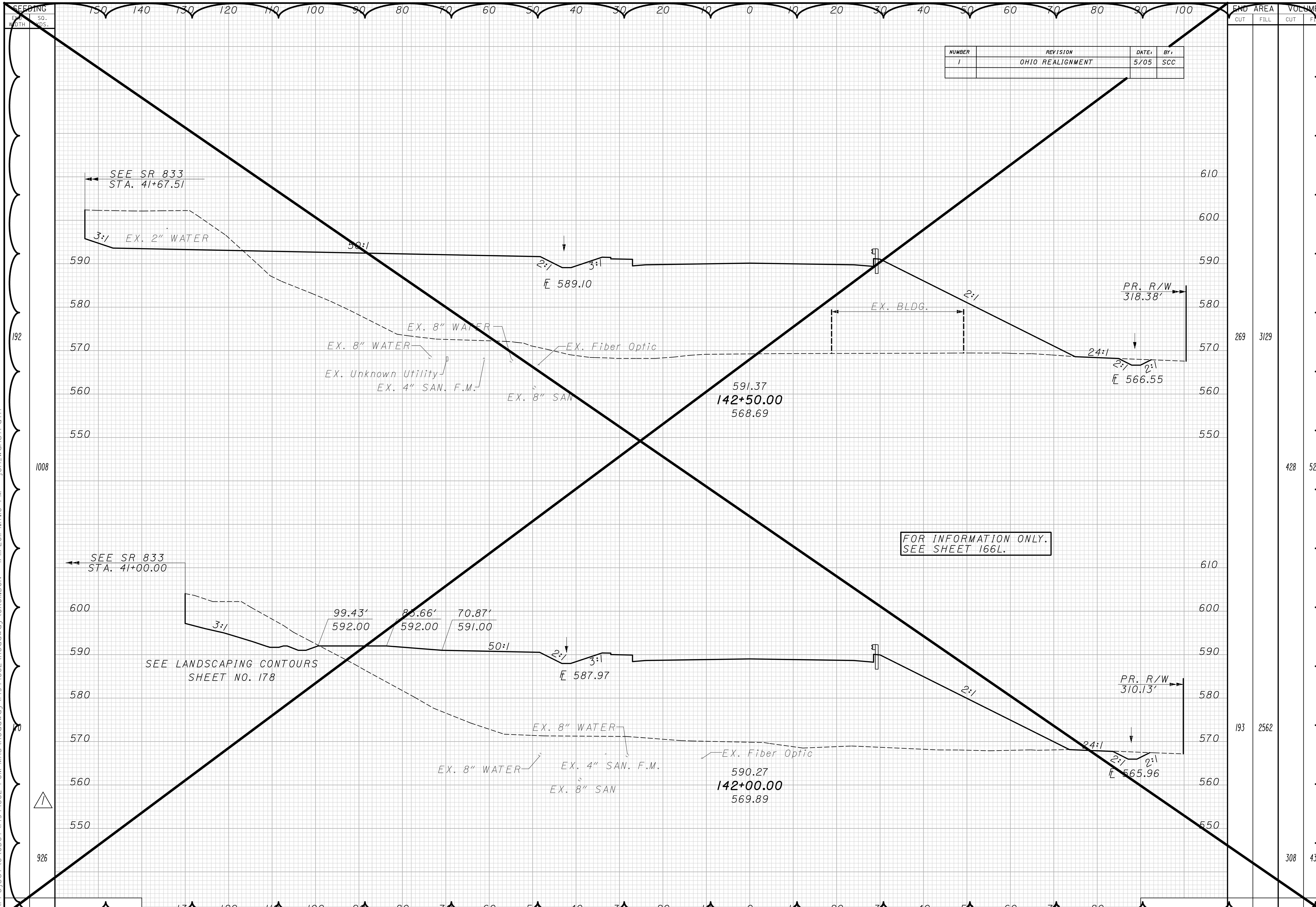
SEEDING	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
163	140	2169		
857			151	3908
146	23	2043		
863			54	3902

CALCULATED MHT
CHECKED AM

MAIN STREET CROSS SECTIONS
STA. 141+00.00 TO STA. 141+50.00

MEG-33-15.70

J:\Project\O\ODOT\4944862 POM-MAS\Roadway\4944862\Roadway\GX610.DGN - 1/11/2011 4:17:08 PM - jon_wanstrath

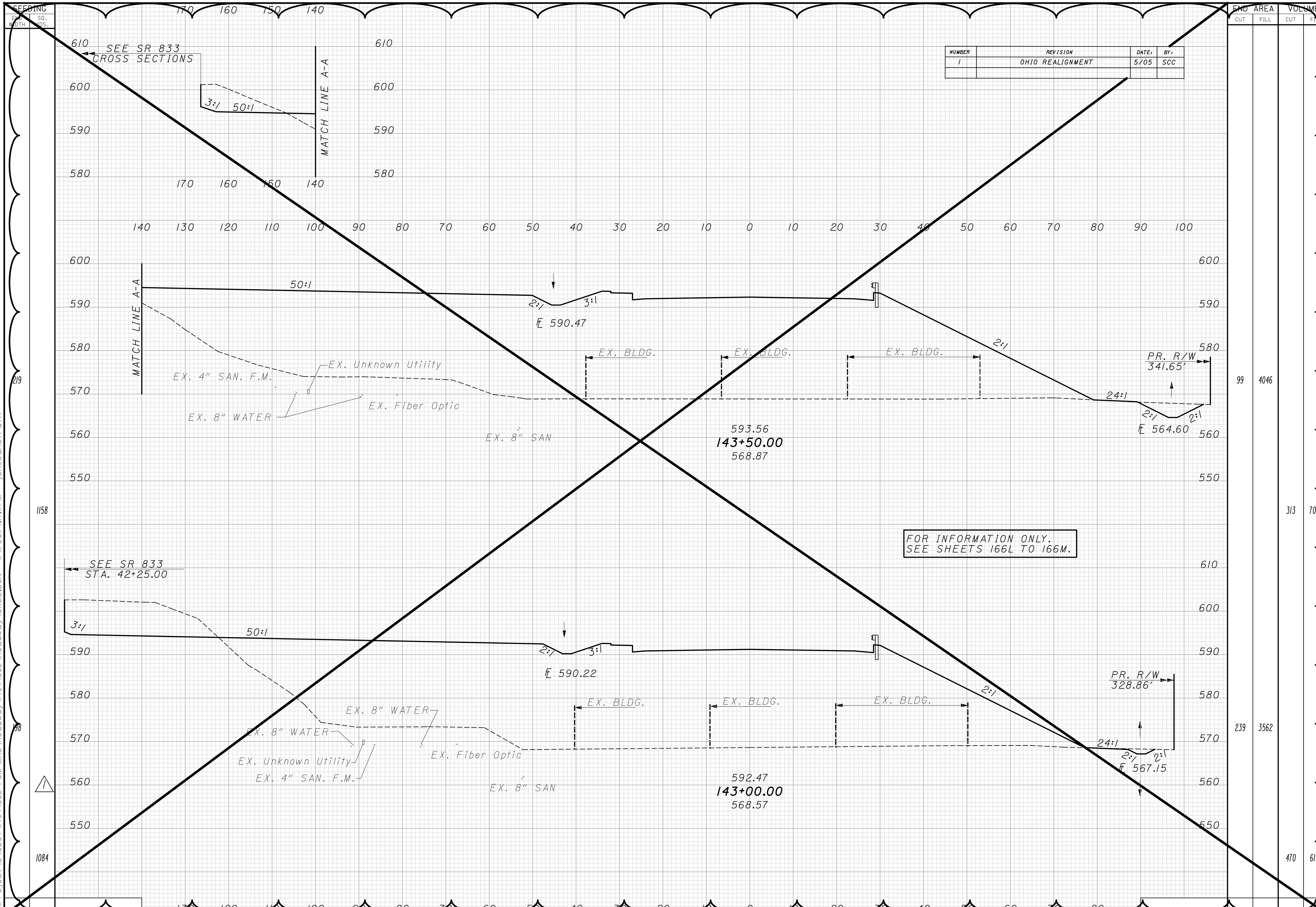


NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED MHT
CHECKED AM

MAIN STREET CROSS SECTIONS
STA. 142+00.00 TO STA. 142+50.00

MEG-33-15.70

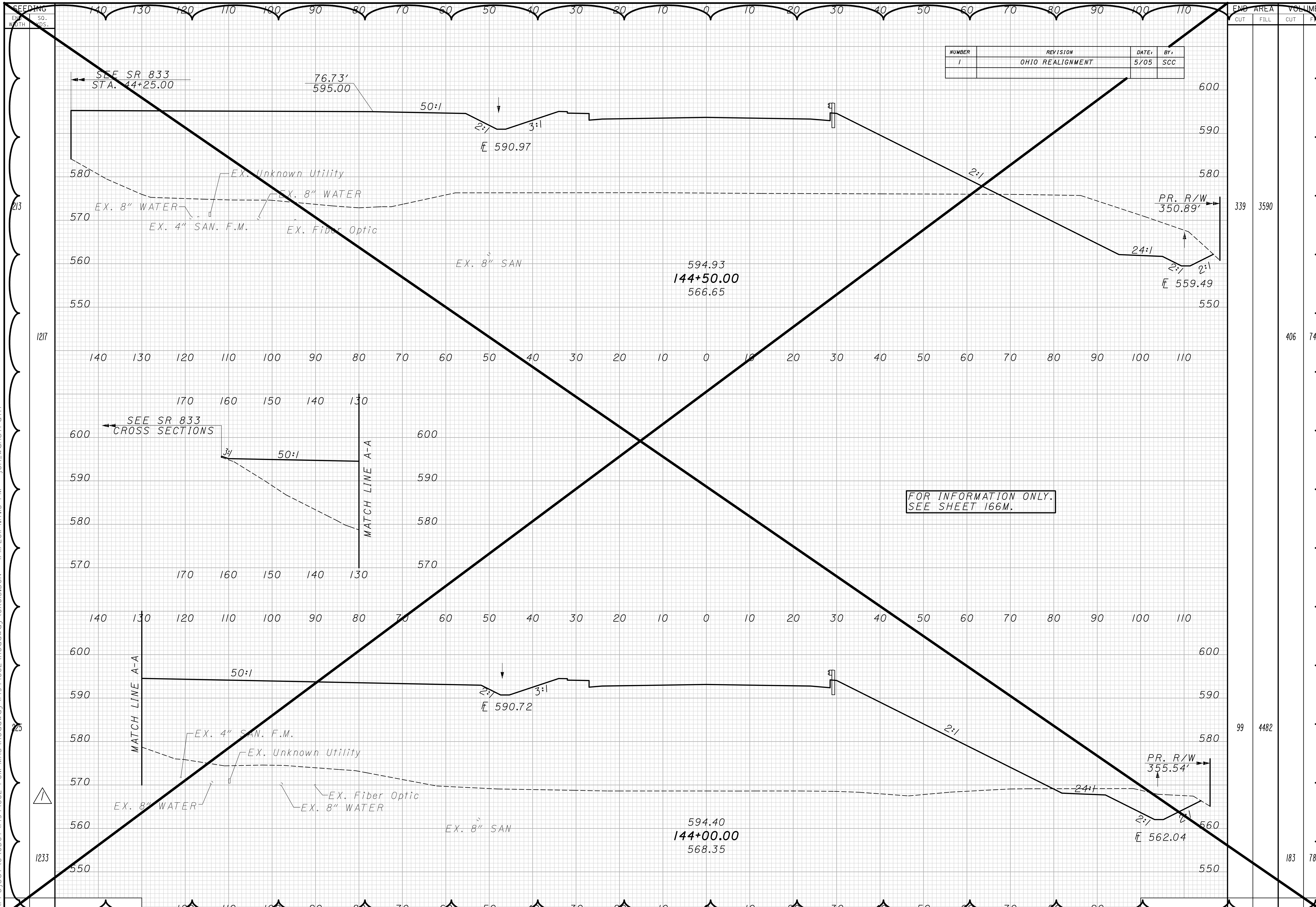


NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED MHT
CHECKED AM

MAIN STREET CROSS SECTIONS
STA. 143+00.00 TO STA. 143+50.00

MEG-33-15.70



NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED MHT
CHECKED AM

MAIN STREET CROSS SECTIONS
STA. 144+00.00 TO STA. 144+50.00

MEG-33-15.70

180/582

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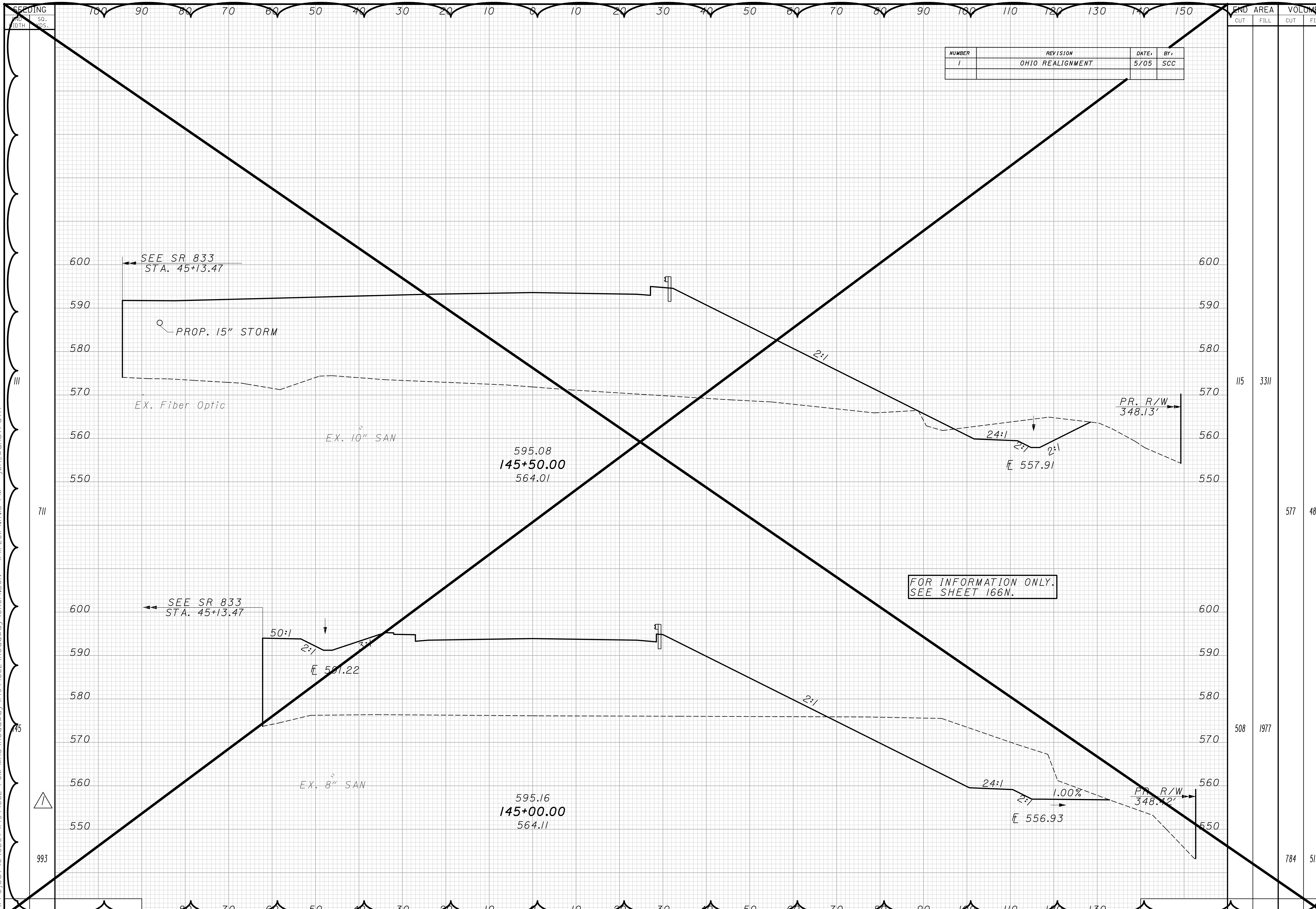

CALCULATED MHT
CHECKED AM

MAIN STREET CROSS SECTIONS
STA. 145+00.00 TO STA. 145+50.00

MEG-33-15.70

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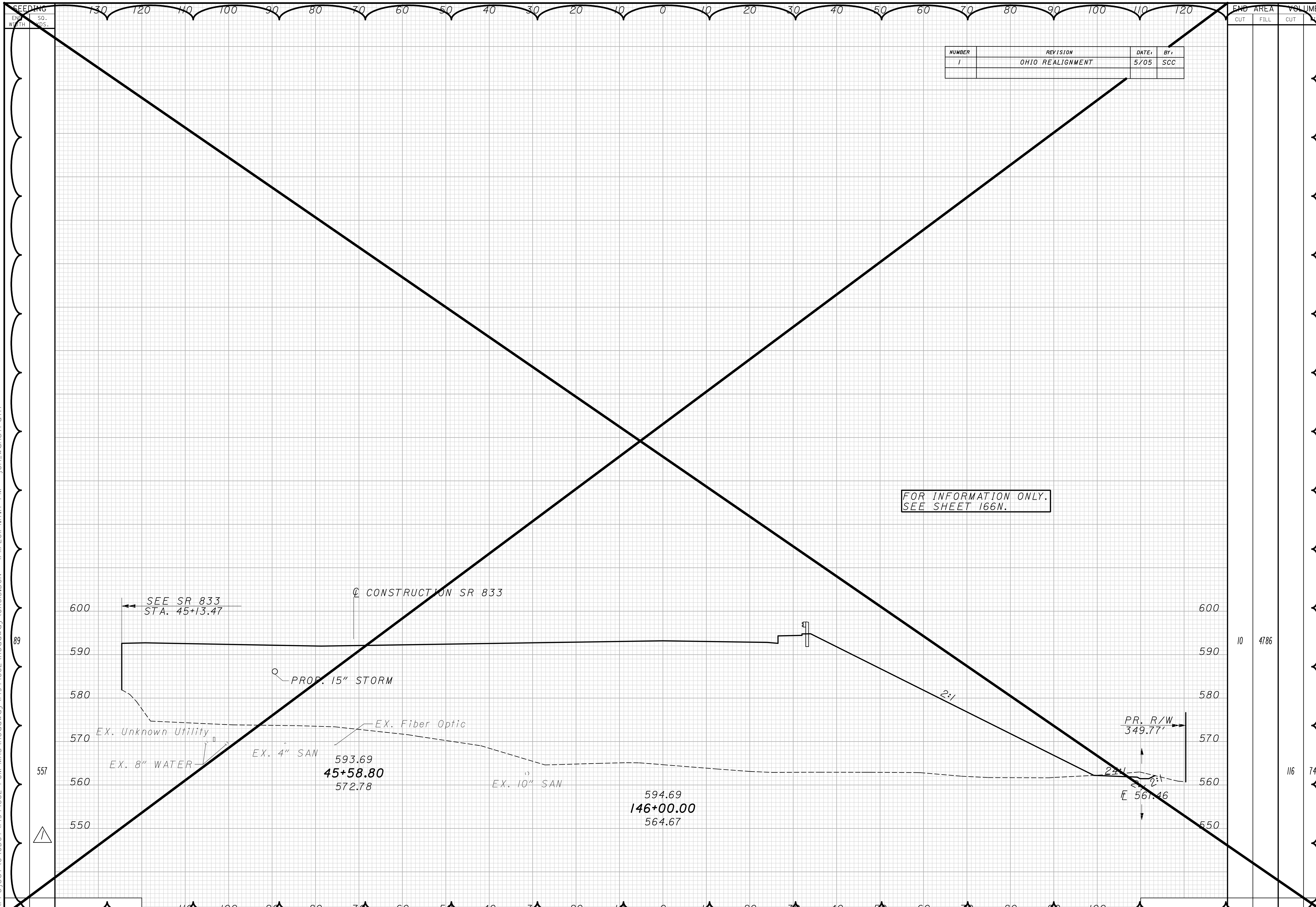


CALCULATED MHT

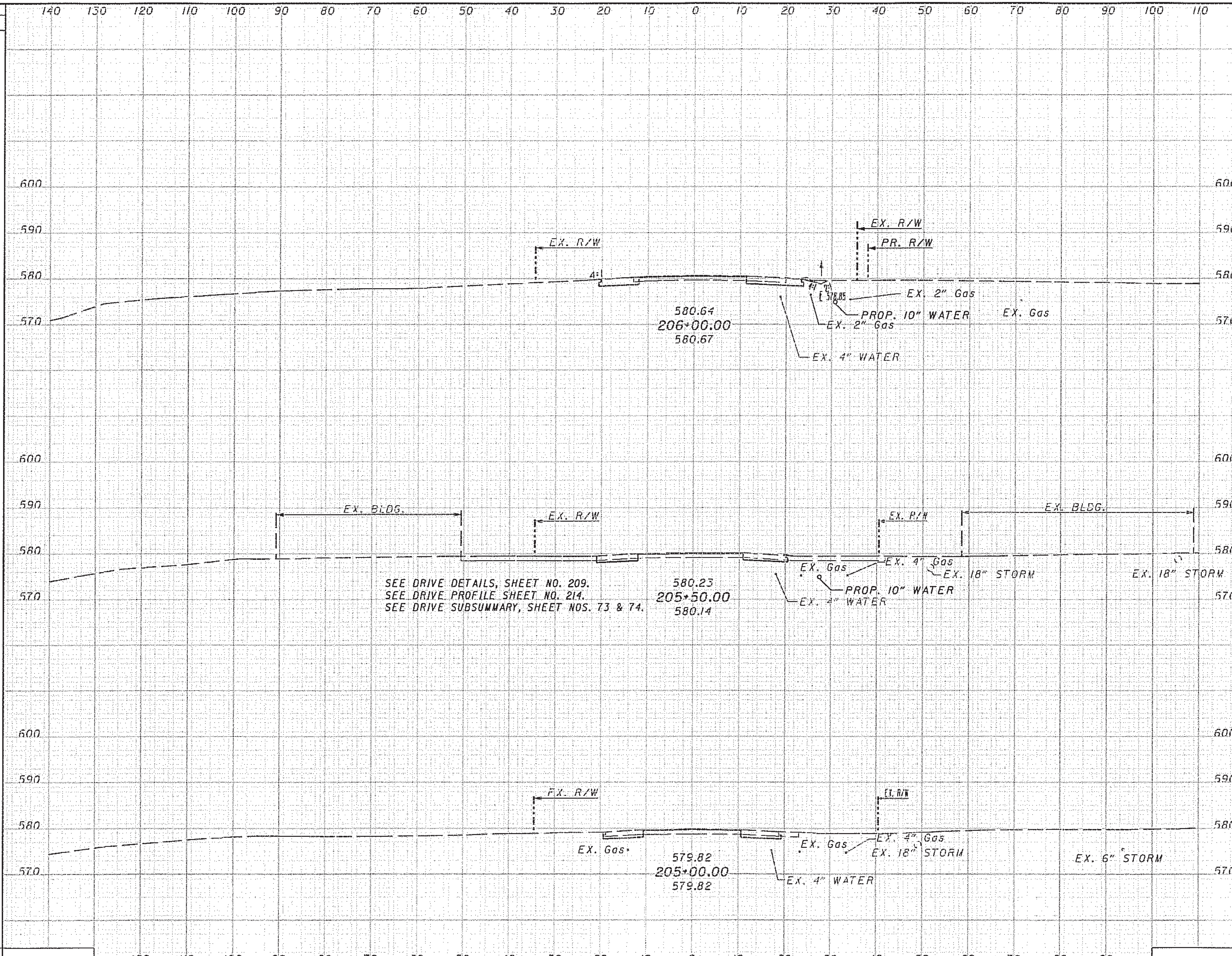
CHECKED AM

MAIN STREET CROSS SECTIONS

STA. 146+00.00

MEG-33-15.70

J:\Project\O\ODOT\4944862 POM-MAS\Roadway\4944862\Roadway\GX615.DGN - 1/11/2011 4:17:17 PM - jon_wanstrath



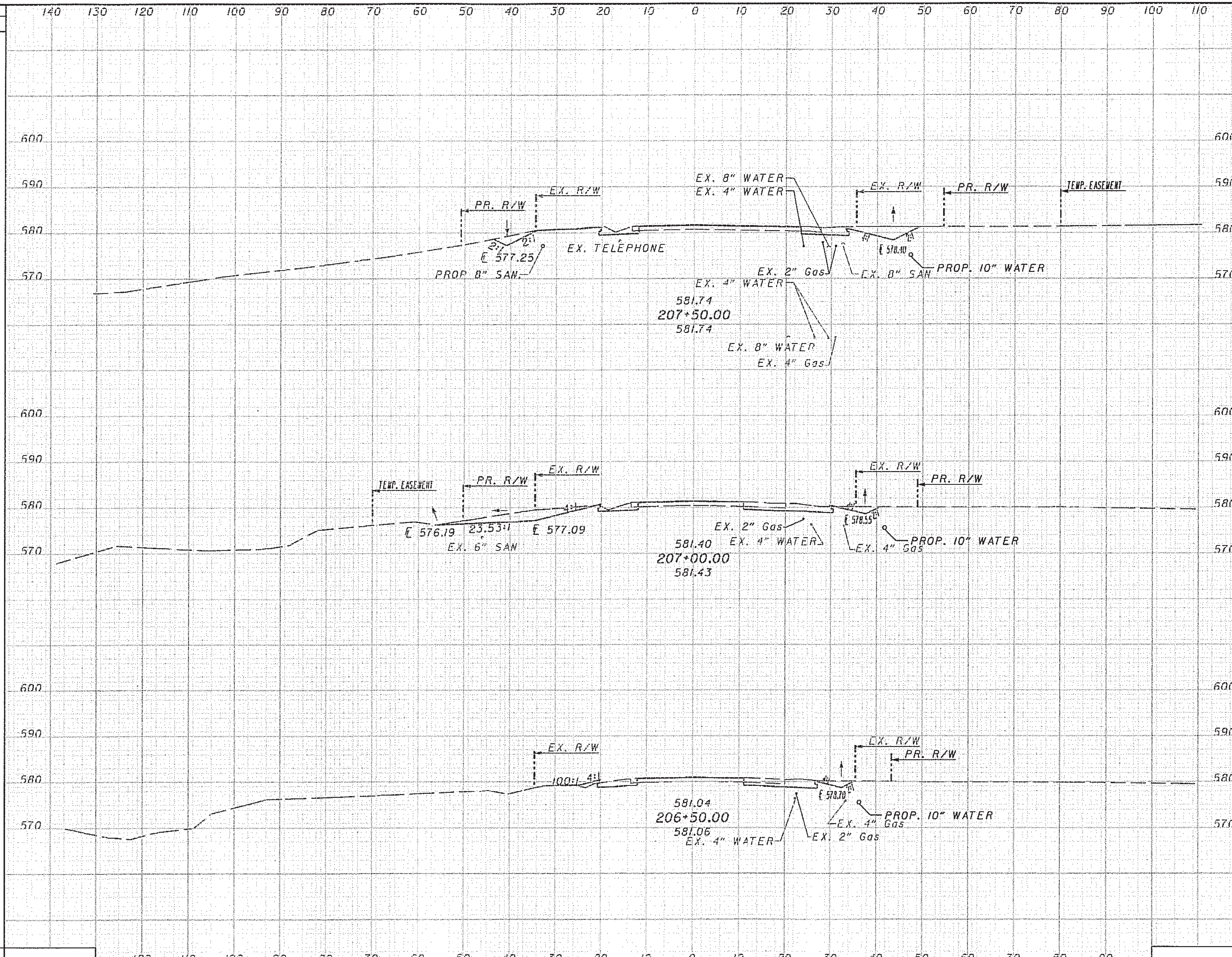
SEEDING	
END WIDTH	SQ. YDS.
7	
	22
1	
	3
0	
	0

END AREA		VOLUME	
CUT	FILL	CUT	FILL
36	0		
		47	1
15	1		
		42	5
31	5		
		0	0

CALCULATED MHT
CHECKED AM

WV62 CROSS SECTIONS
STA. 205+00.00 TO STA. 206+00.00

MEG-33-15.70

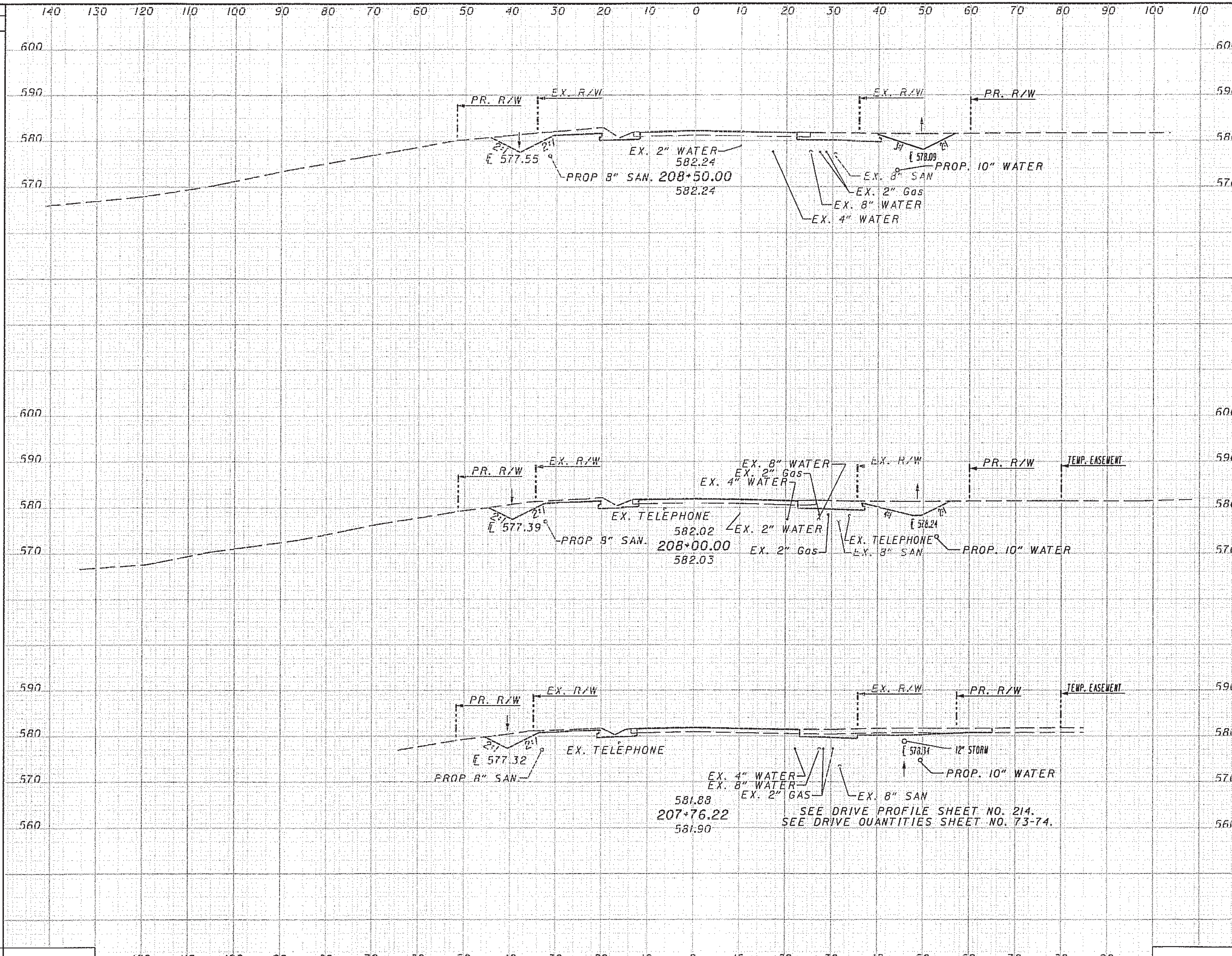


SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
42		63	0		
	250			141	0
48		89	0		
	183			123	3
18		44	3		
	69			74	3

CALCULATED MHT CHECKED AM

WV62 CROSS SECTIONS
STA. 206+50.00 TO STA. 207+50.00

MEG-33-15.70



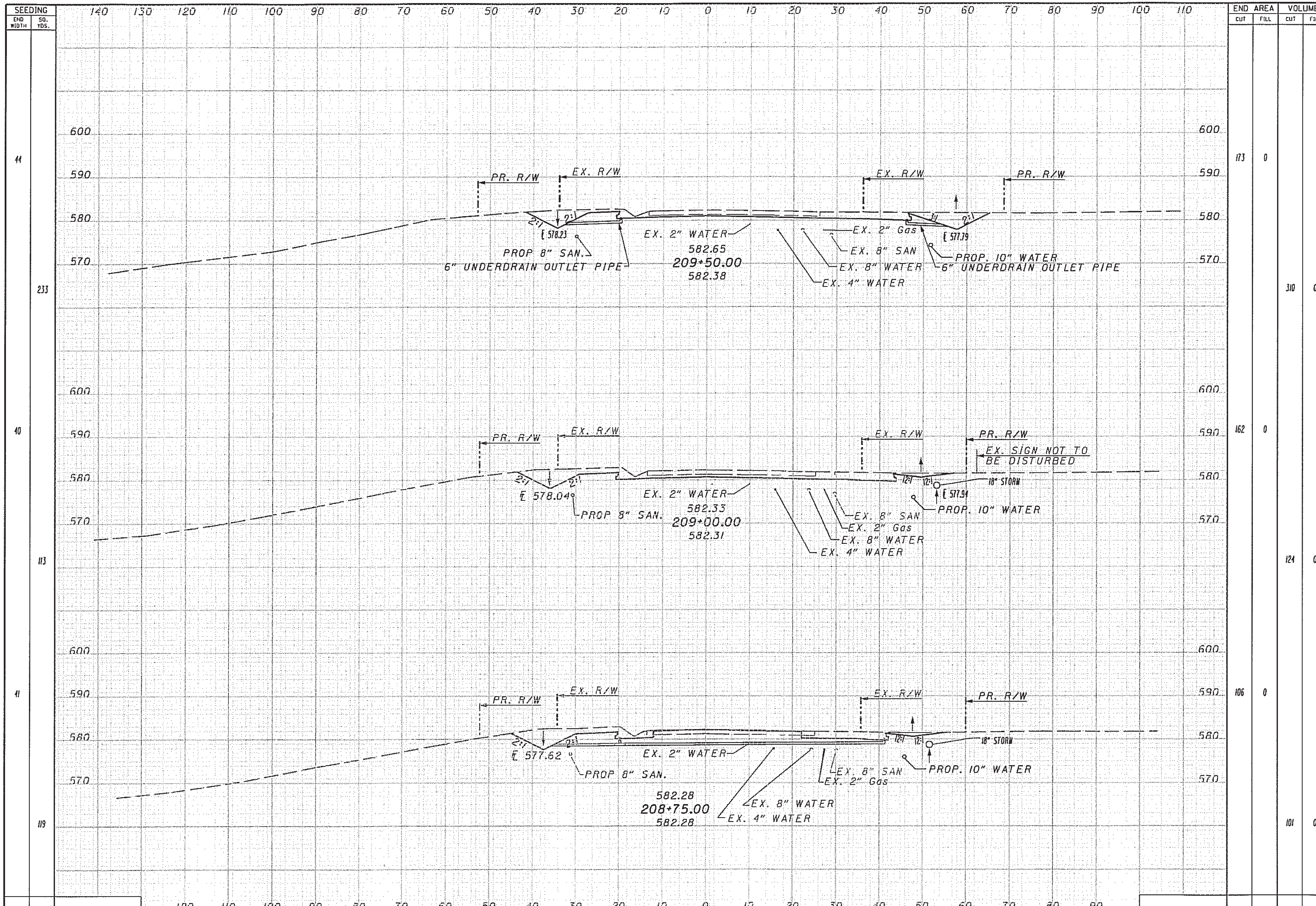
SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
45		113	0		
	256			199	0
47		102	0		
	98			64	0
27		42	0		
	101			51	0

CALCULATED MHT CHECKED AM

WV62 CROSS SECTIONS
STA. 207+76.22 TO STA. 208+50.00

MEG-33-15.70

185/582

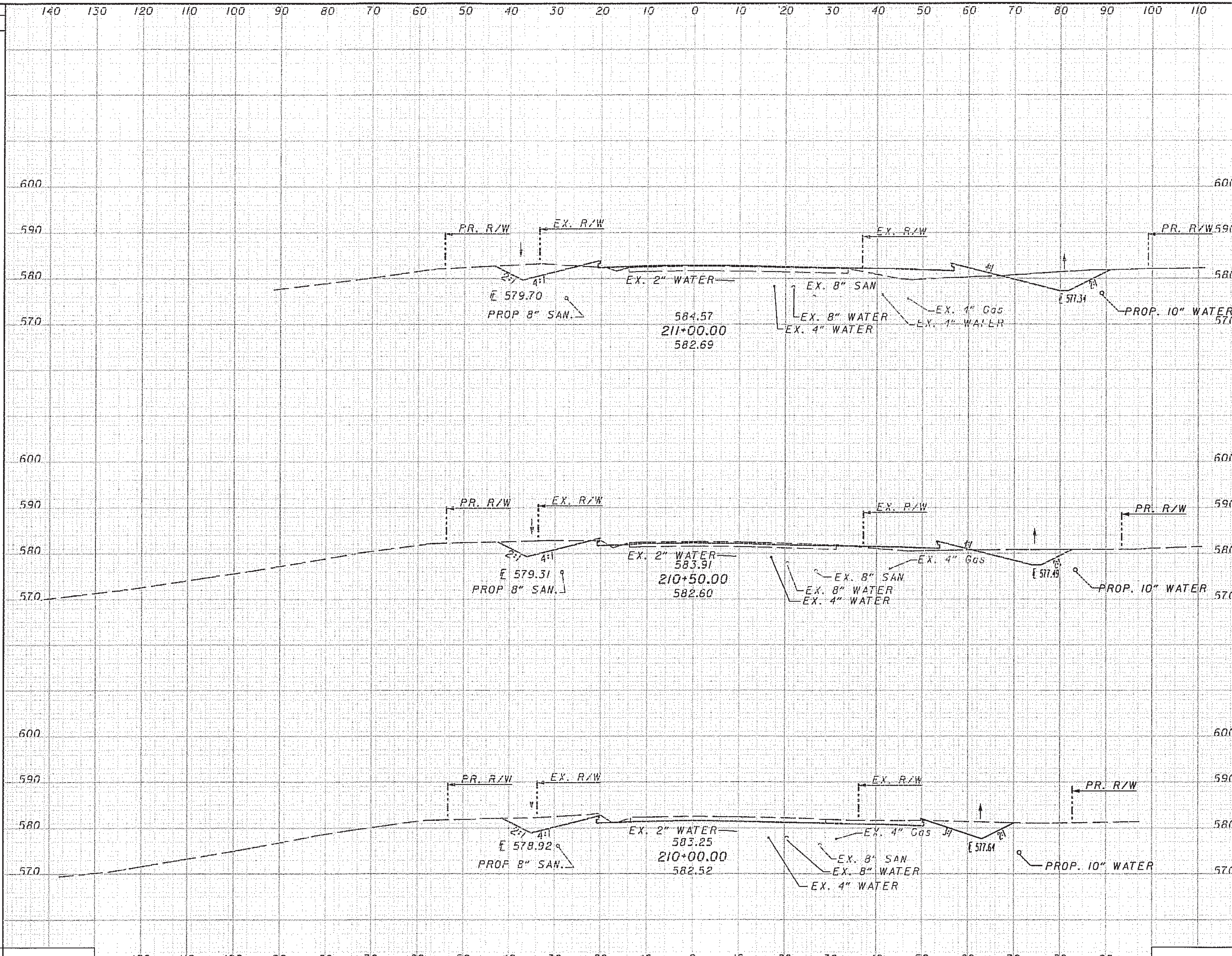


CALCULATED MHT
CHECKED AM

WV62 CROSS SECTIONS
STA. 208+75.00 TO STA. 209+50.00

MEG-33-15.70

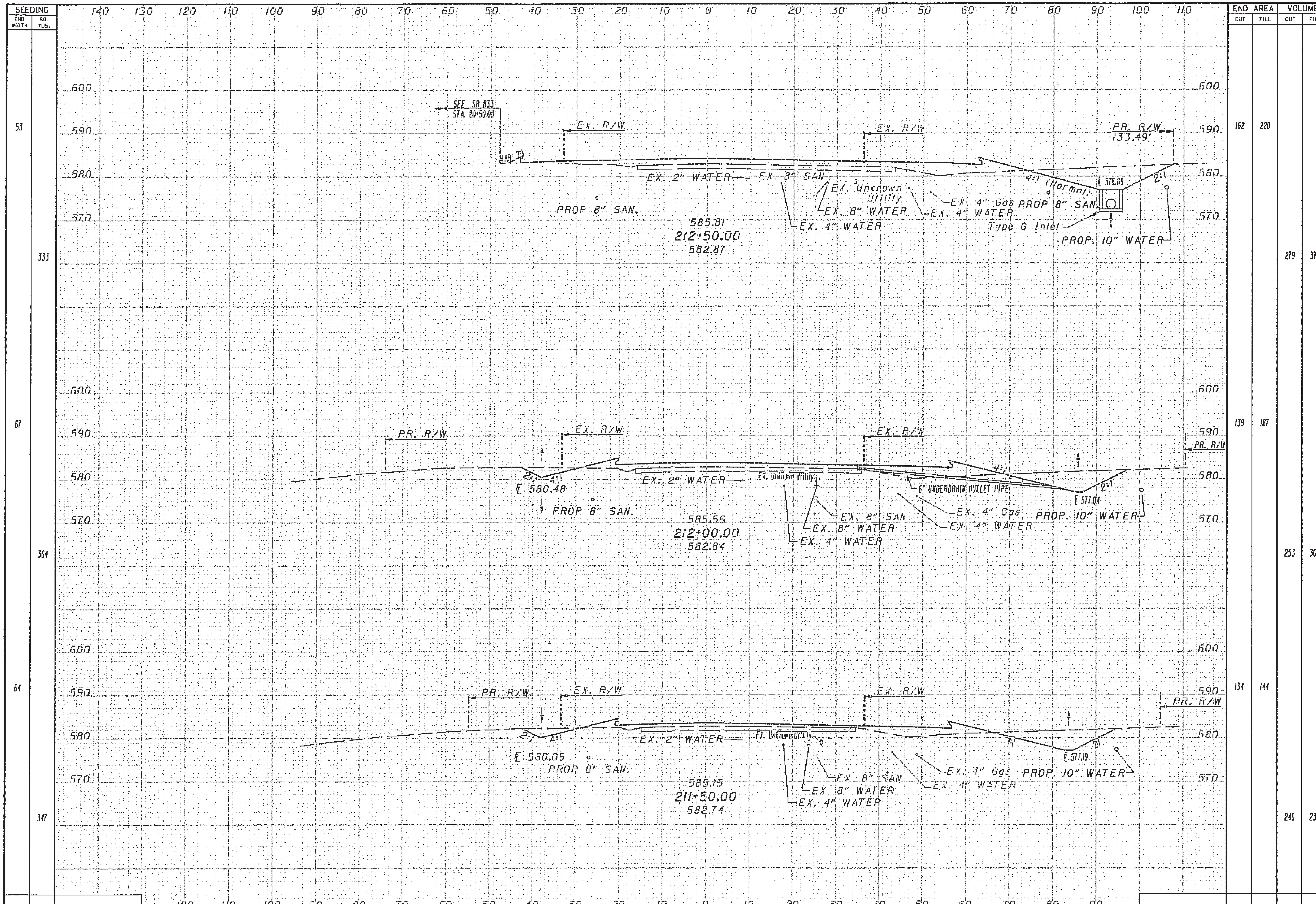
SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
61		135	113		
	322			238	150
55		122	49		
	278			239	48
45		136	3		
	247			286	3



CALCULATED MHT
CHECKED AM

WV62 CROSS SECTIONS
STA. 210+00.00 TO STA. 211+00.00

MEG-33-15.70

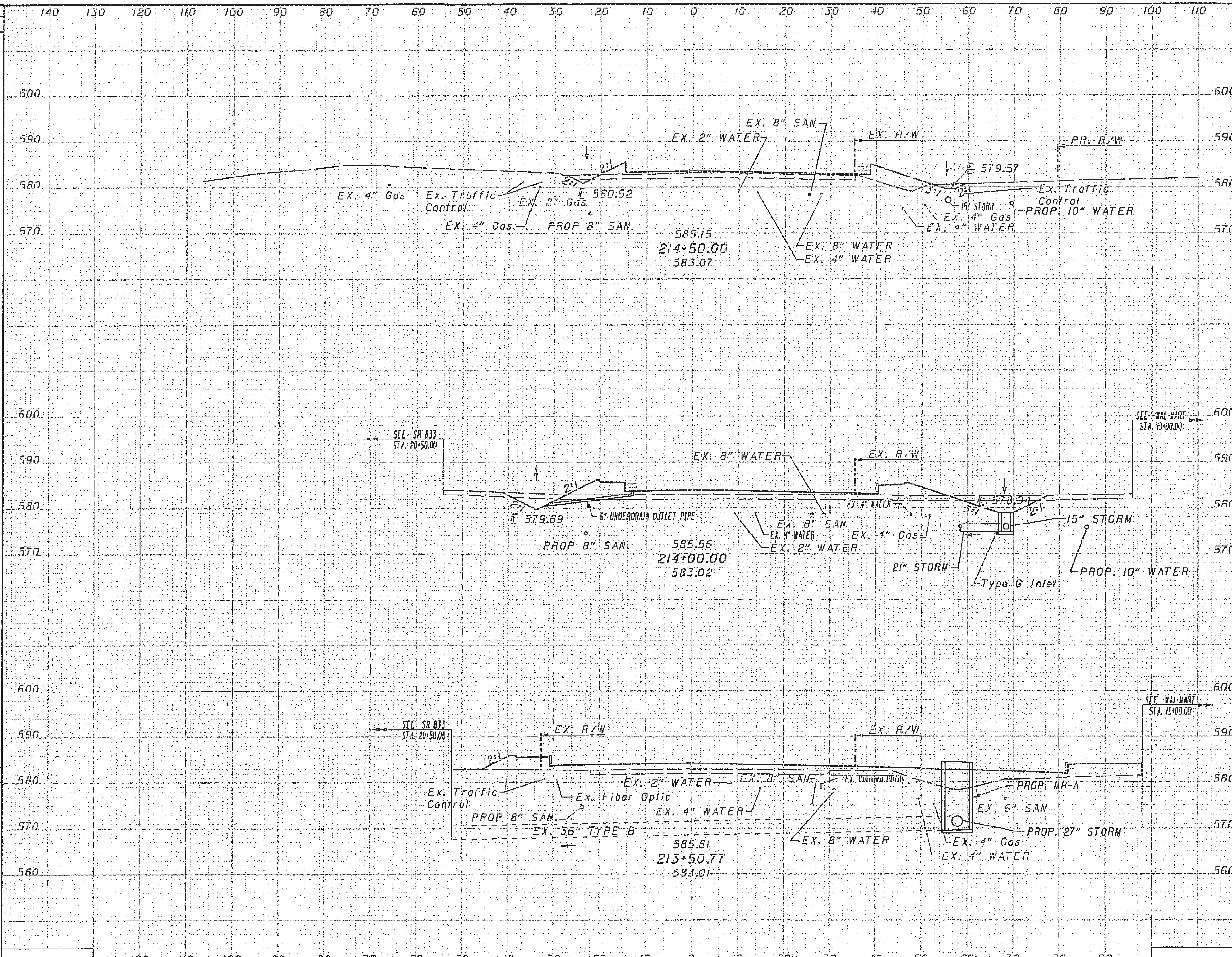


CALCULATED MHT
CHECKED AM

WV62 CROSS SECTIONS
STA. 211+50.00 TO STA. 212+50.00

MEG-33-15.70

SEEDING END WIDTH	SEEDING SQ. YDS.
36	
	258
57	
	197
15	
	381

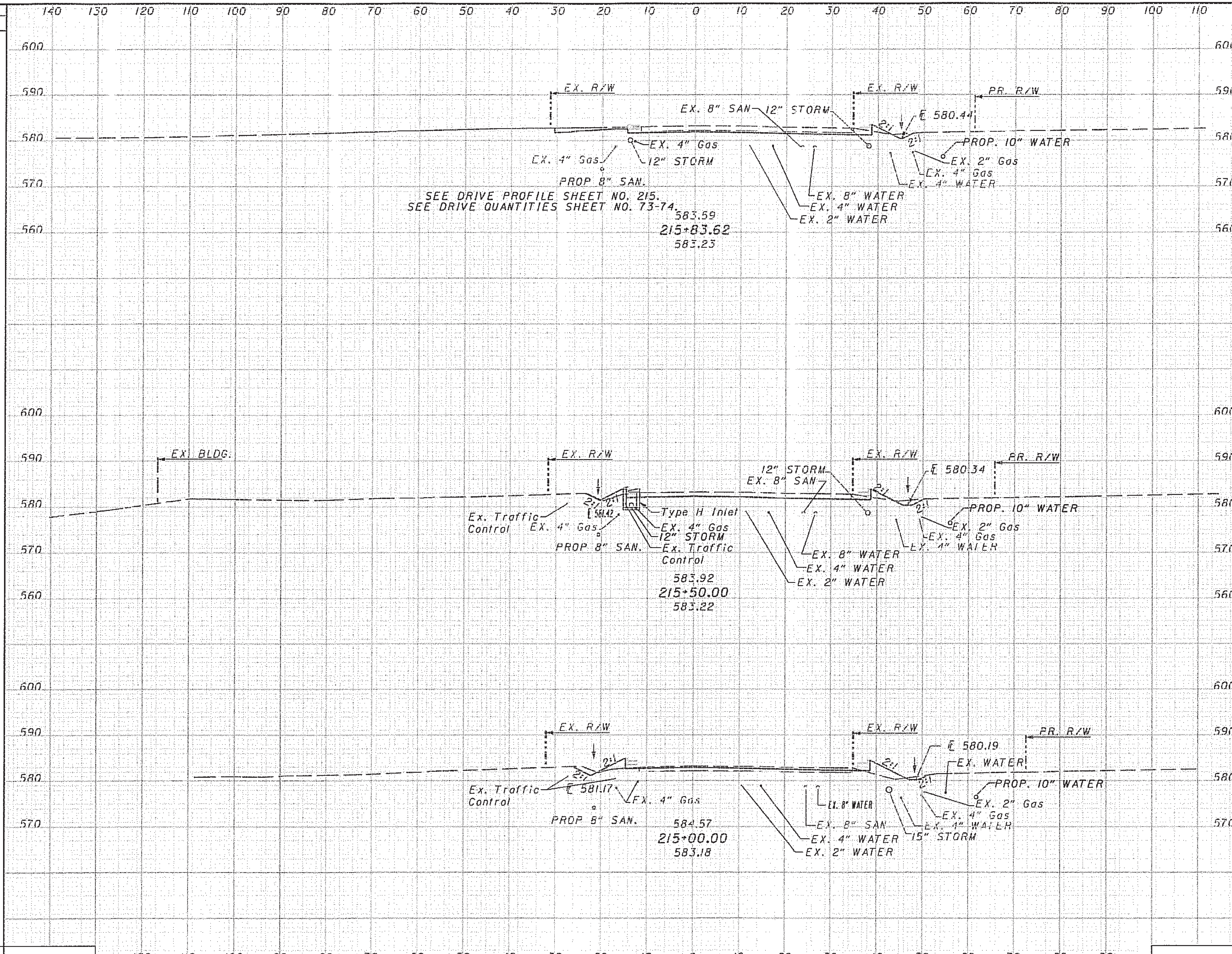


END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
68	118		
		238	306
189	212		
		233	479
67	313		
		427	995

CALCULATED MHT CHECKED AM

WV62 CROSS SECTIONS
STA. 213+50.77 TO STA. 214+50.00

MEG-33-15.70



SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
10		73	3		
	62			82	8
23		59	10		
	139			105	56
27		54	50		
	175			113	156

CALCULATED MHT
CHECKED AM

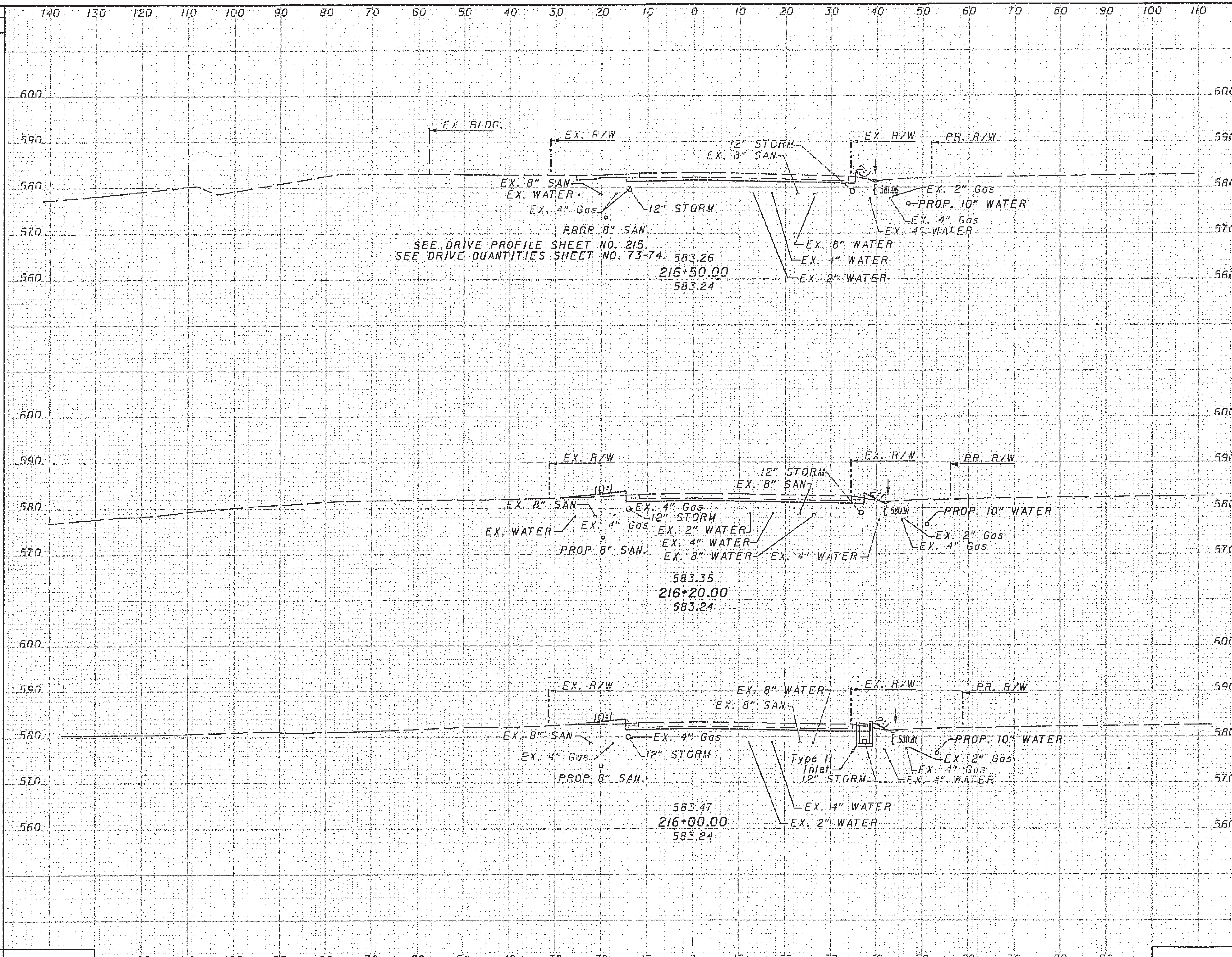
WV62 CROSS SECTIONS
STA. 215+00.00 TO STA. 215+83.62

MEG-33-15.70

WV62 CROSS SECTIONS
STA. 216+00.00 TO STA. 216+50.00

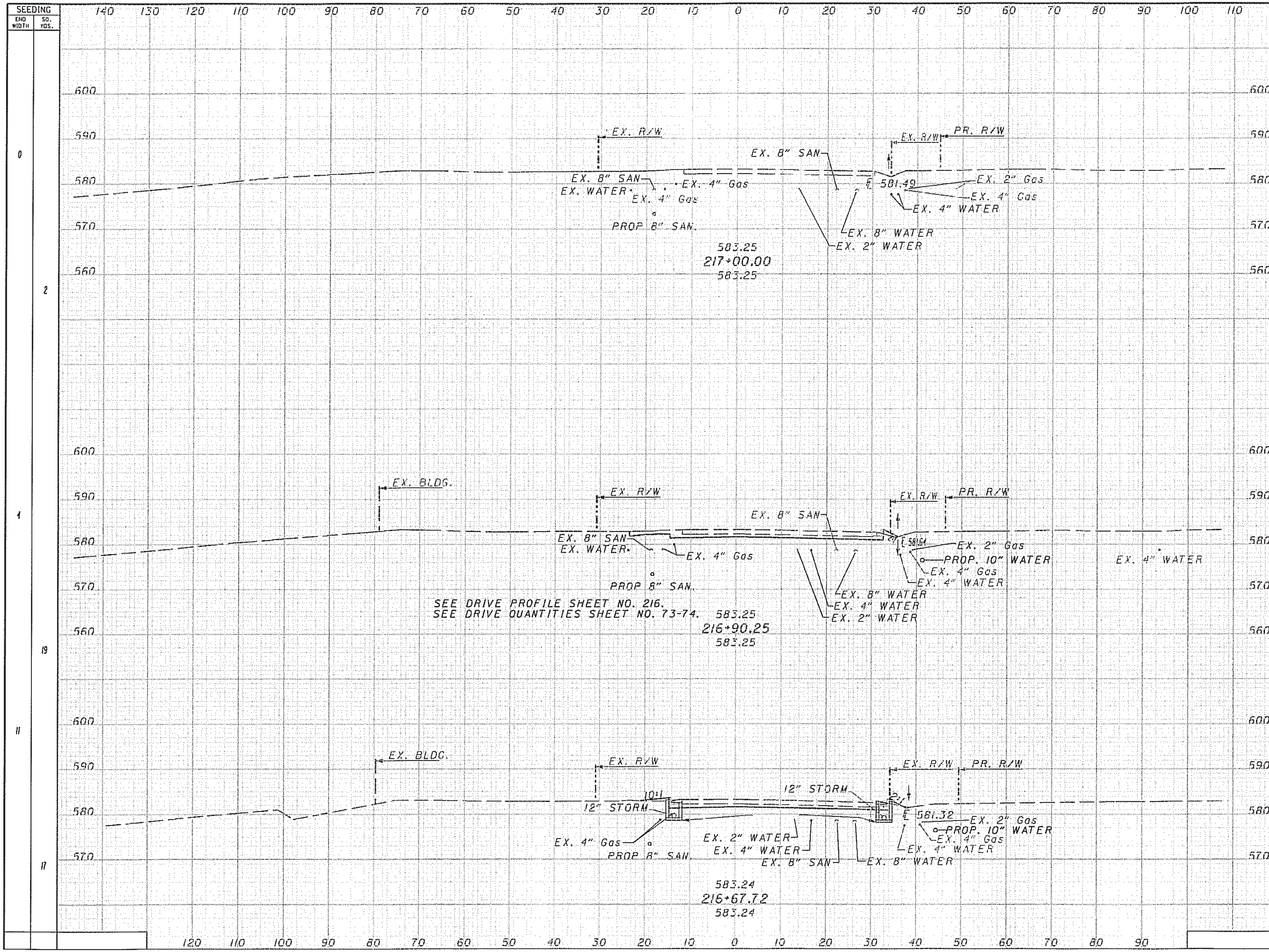
MEG-33-15.70

CALCULATED MHT CHECKED AM



SEEDING END WIDTH	SEEDING SQ. YDS.
6	
	45
21	
	44
19	
	26

END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
81	1		
		90	6
81	9		
		59	7
77	9		
		45	4



CALCULATED MHT
CHECKED AM

WV62 CROSS SECTIONS
STA. 216+67.72 TO STA. 217+00.00

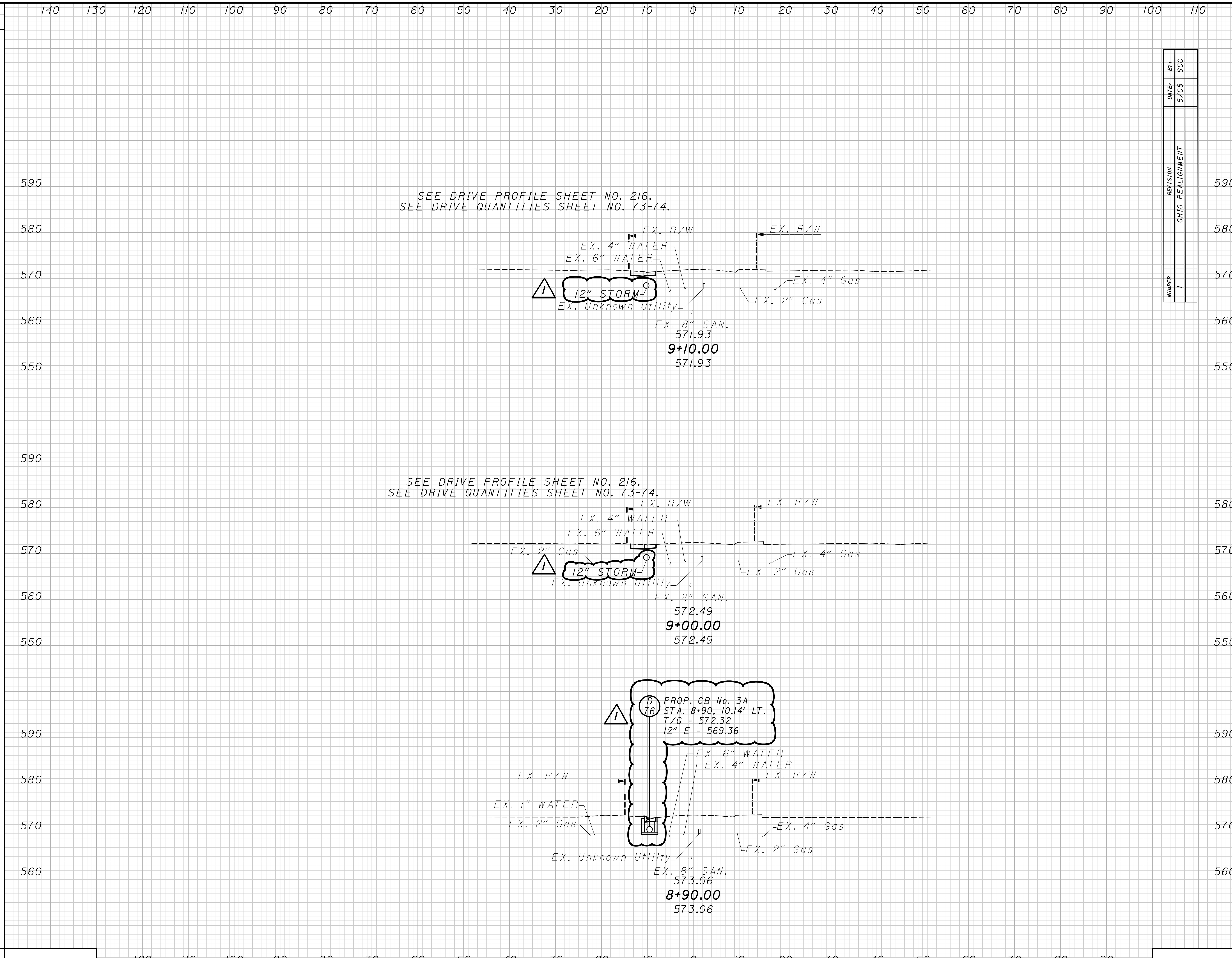
MEG-33-15.70

LIBERTY LANE CROSS SECTIONS
STA. 8+90.00 TO STA. 9+10.00

MEG-33-15.70

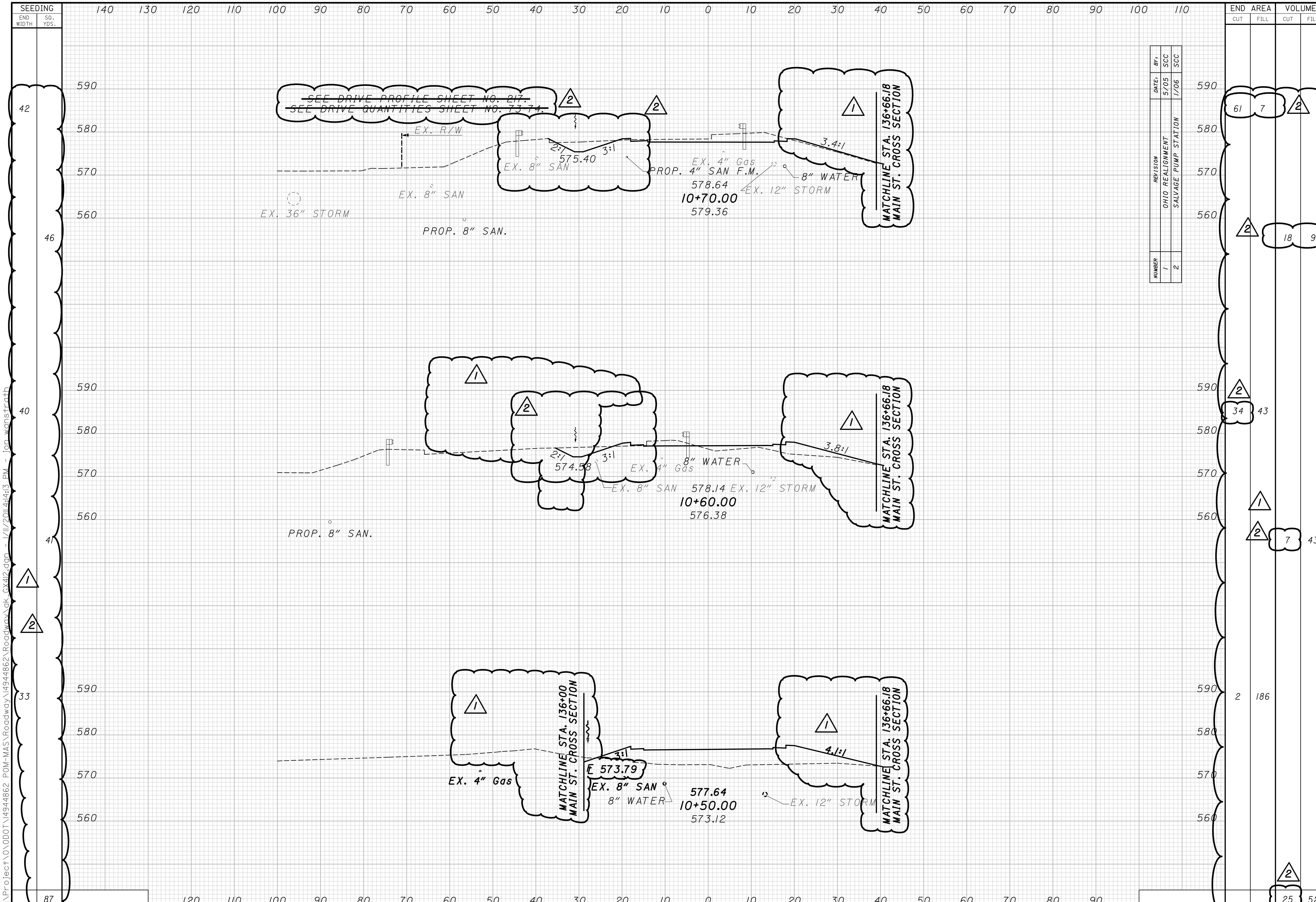
CALCULATED MHT
CHECKED AM

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC



SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
0		2	0		
	0			1	0
0		2	0		
	0			1	0
1		2	0		
	0			0	0
	0			2	0

SEEDING
END WIDTH
SQ. YDS.
END AREA
CUT
FILL
VOLUME
CUT
FILL
CALCULATED MHT
CHECKED AM
NUMBER 1
REVISION OHIO REALIGNMENT
DATE: 5/05
BY: SCC
EX. R/W
EX. 4" WATER
EX. 6" WATER
12" STORM
EX. Unknown Utility
EX. 8" SAN.
EX. 4" Gas
EX. 2" Gas
570.21
9+40.00
570.21
PROP. CB No. 3A
STA. 9+30, 10.35' RT.
T/G = 570.32
12" E = 567.36
SEE DRIVE PROFILE SHEET NO. 216.
SEE DRIVE QUANTITIES SHEET NO. 73-74.
570.72
9+30.00
570.72
571.77
9+12.88
571.77
LIBERTY LANE CROSS SECTIONS
STA. 9+12.88 TO STA. 9+40.00
MEG-33-15.70
194/582
J:\Project\O\ODOT\4944862 POM-MAS\Roadway\4944862\Roadway\AK_GX411.DGN - 1/11/2011 4:14:11 PM - jon.wanstrath

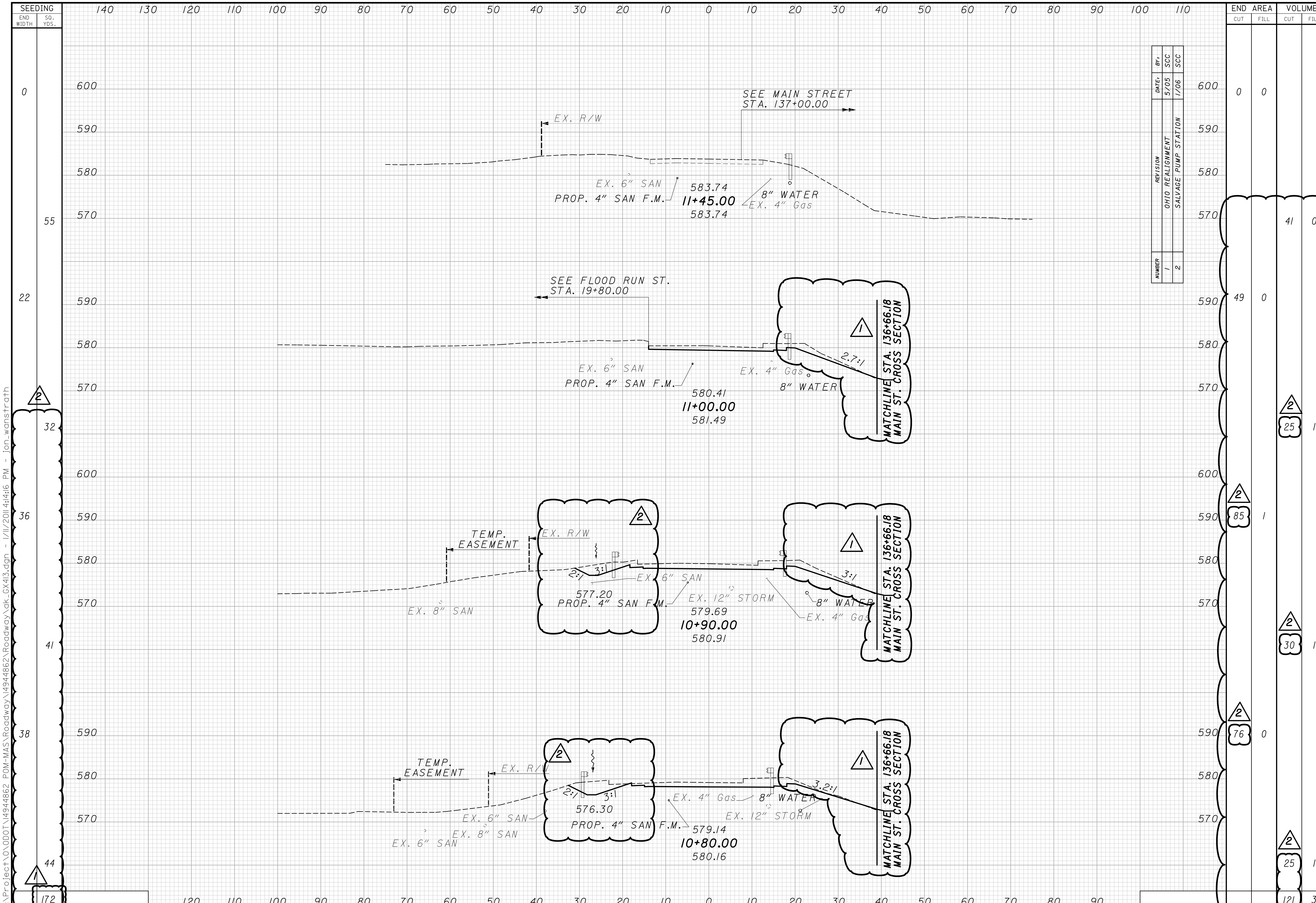


CALCULATED MHT
CHECKED AM

WEST MAIN STREET CROSS SECTIONS
STA. 10+50.00 TO STA. 10+70.00

MEG-33-15.70

J:\Project\O\ODOT\4944862 POM-MAS\Roadway\4944862\Roadway\ak_GX412.dgn - 1/11/2011 4:14:13 PM - jan wanstrath



WEST MAIN STREET CROSS SECTIONS
STA. 10+80.00 TO STA. 11+45.00

MEG-33-15.70

WEST MAIN STREET CROSS SECTIONS
STA. 13+44.10 TO STA. 13+80.78

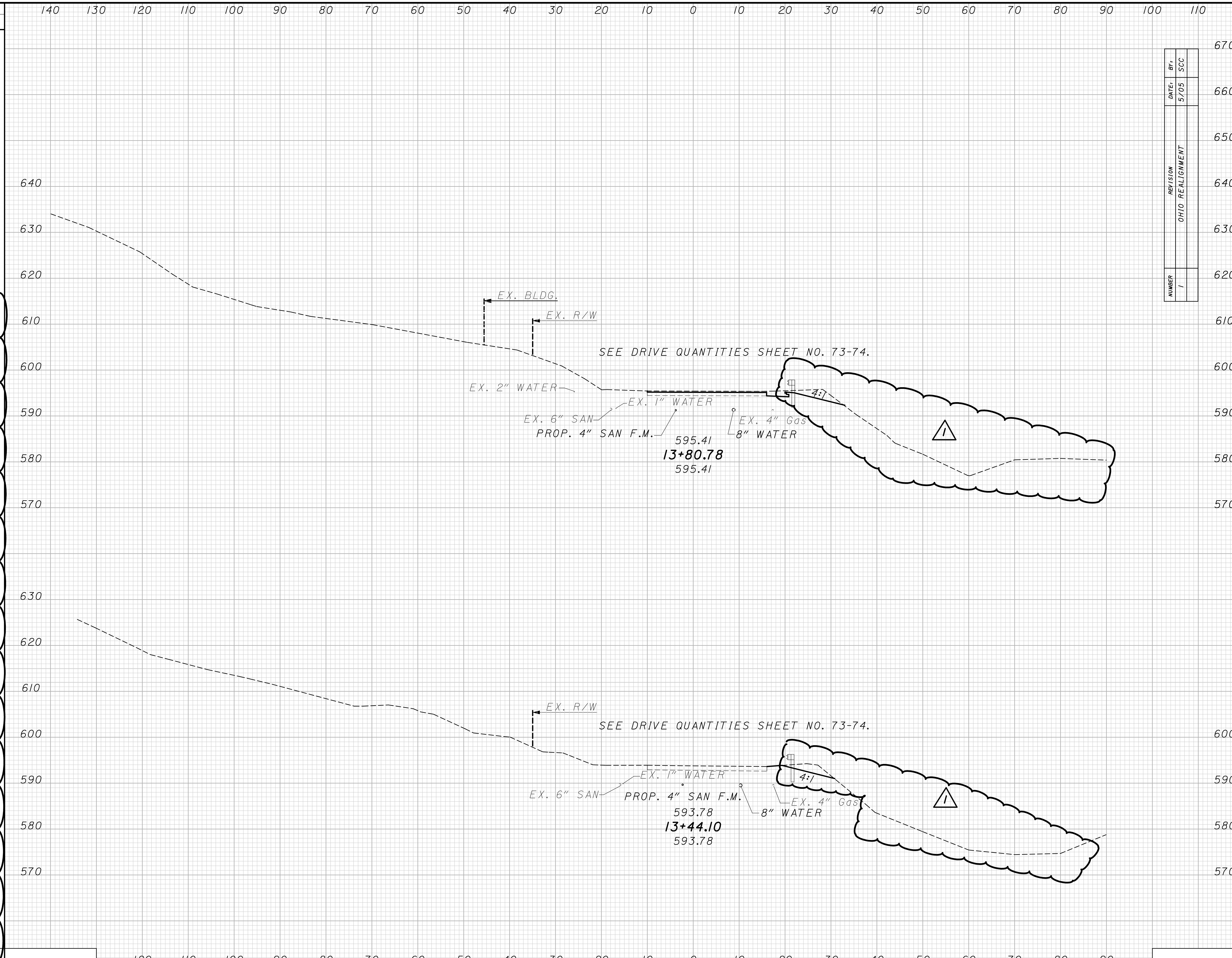
MEG-33-15.70

CALCULATED	CHECKED
MHT	AM

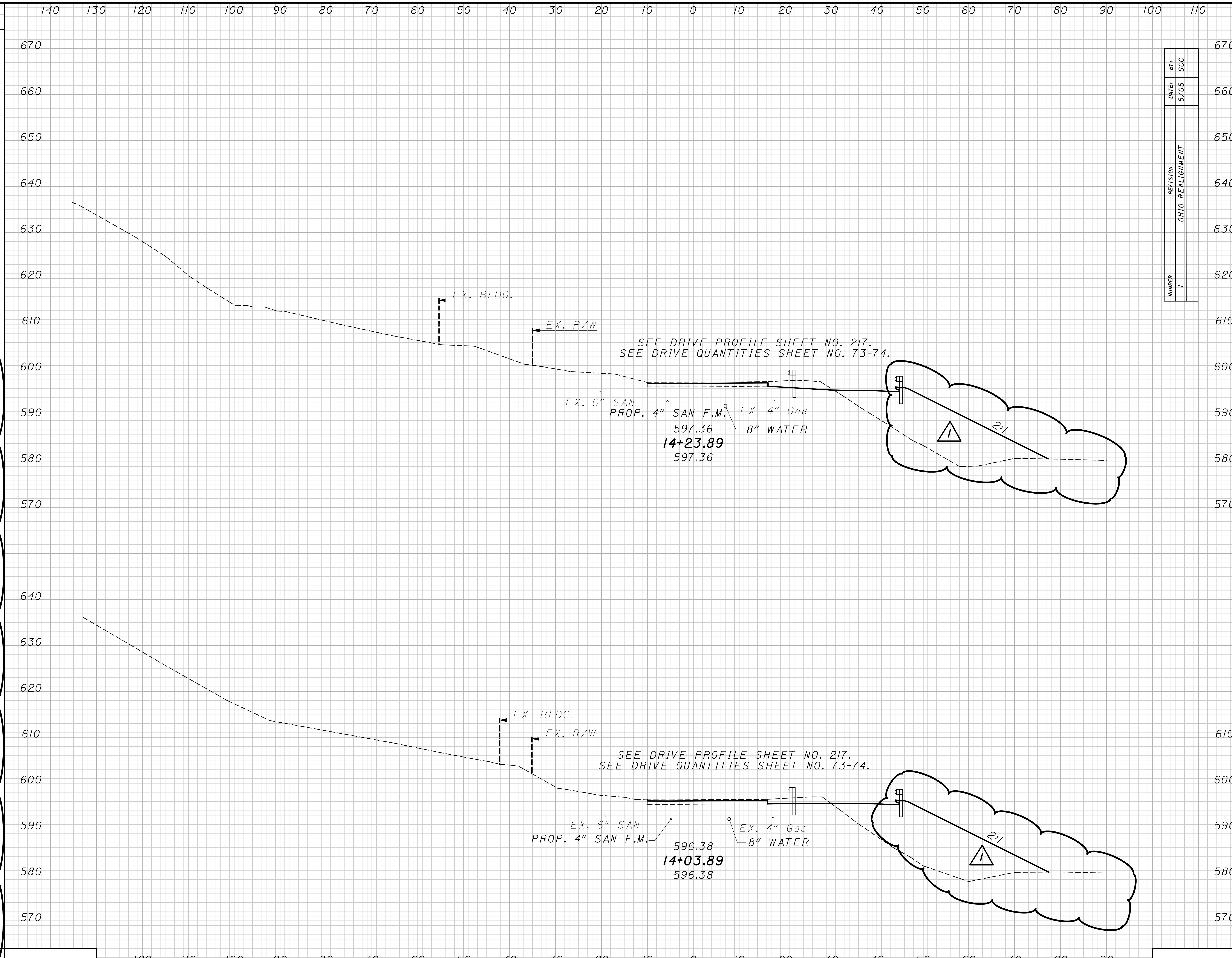
NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

SEEDING END WIDTH	SEEDING SQ. YDS.
12	47
11	0
	47

END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
14	0		
		18	0
12	0		
		18	0



SEEDING	
END WIDTH	SQ. YDS.
46	
	103
47	
	75
	178



NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

END AREA		VOLUME	
CUT	FILL	CUT	FILL
26	253		
		19	190
25	260		
		17	111
		36	30

CALCULATED MHT
CHECKED AM

WEST MAIN STREET CROSS SECTIONS
STA. 14+03.89 TO STA. 14+23.89

MEG-33-15.70

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WEST MAIN STREET CROSS SECTIONS
STA. 14+53.79

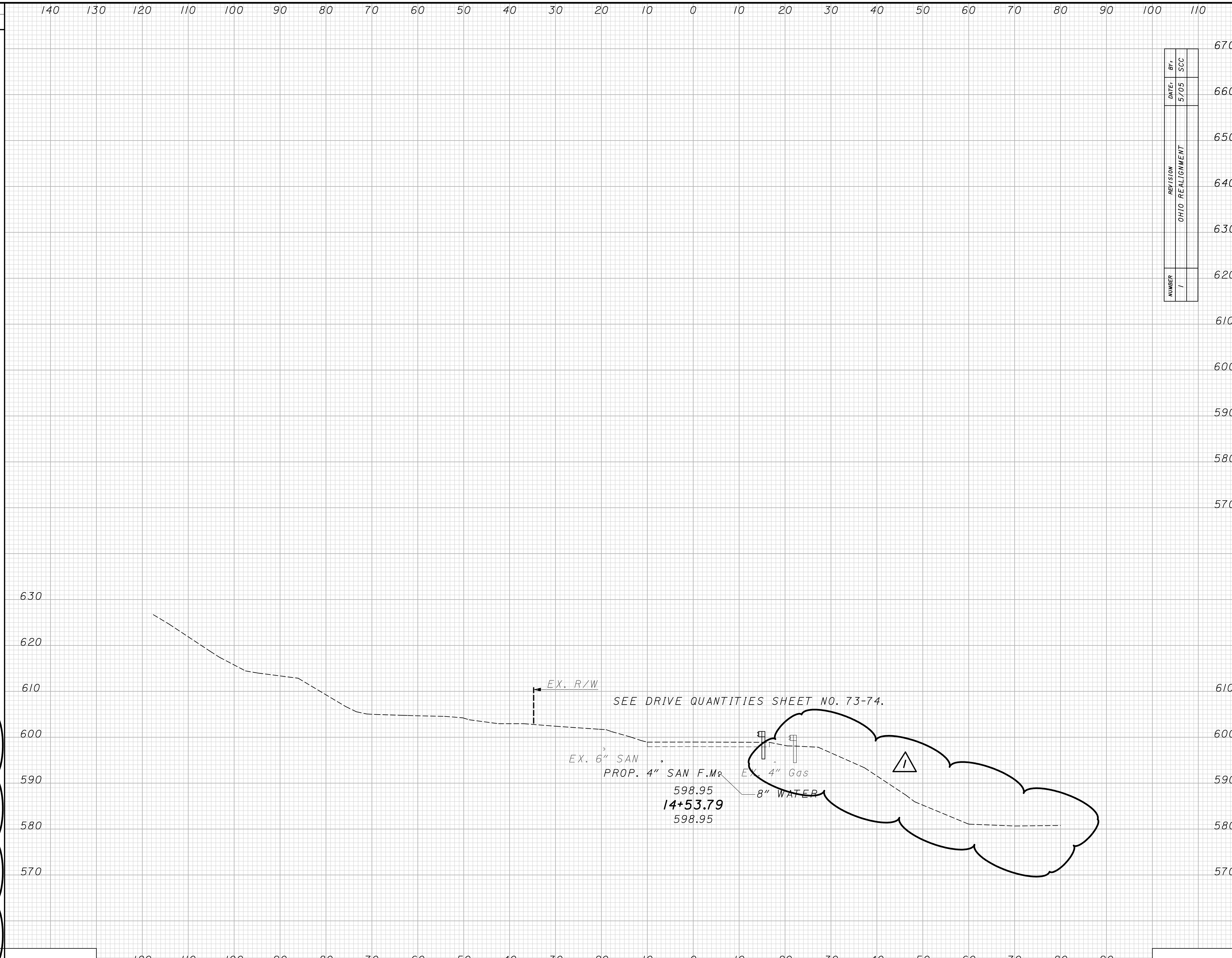
MEG-33-15.70

CALCULATED MHT | CHECKED AM

SEEDING	
END WIDTH	SQ. YDS.
0	
	0
	0

END AREA		VOLUME	
CUT	FILL	CUT	FILL
0	0		
		14	202
		14	202

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC



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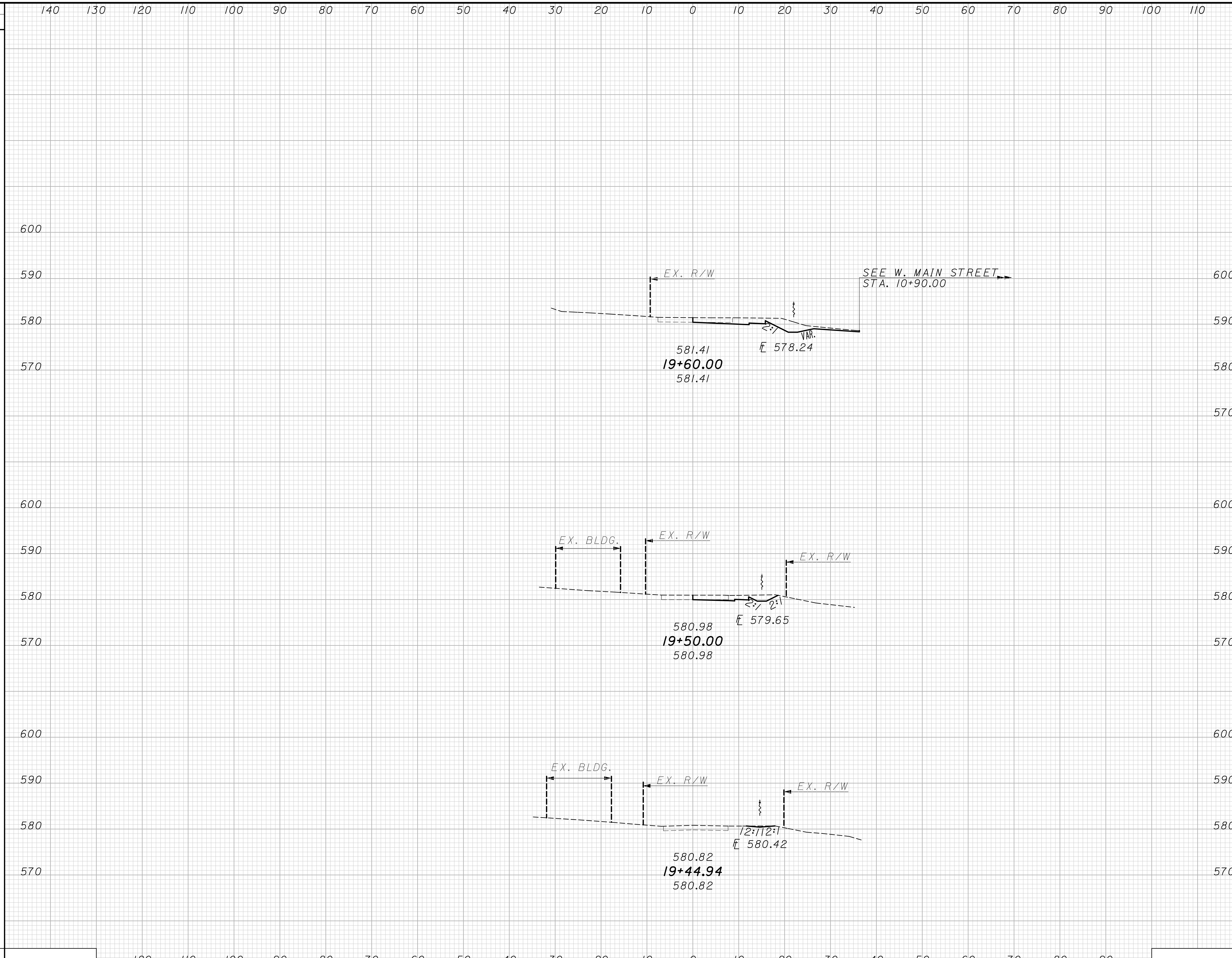
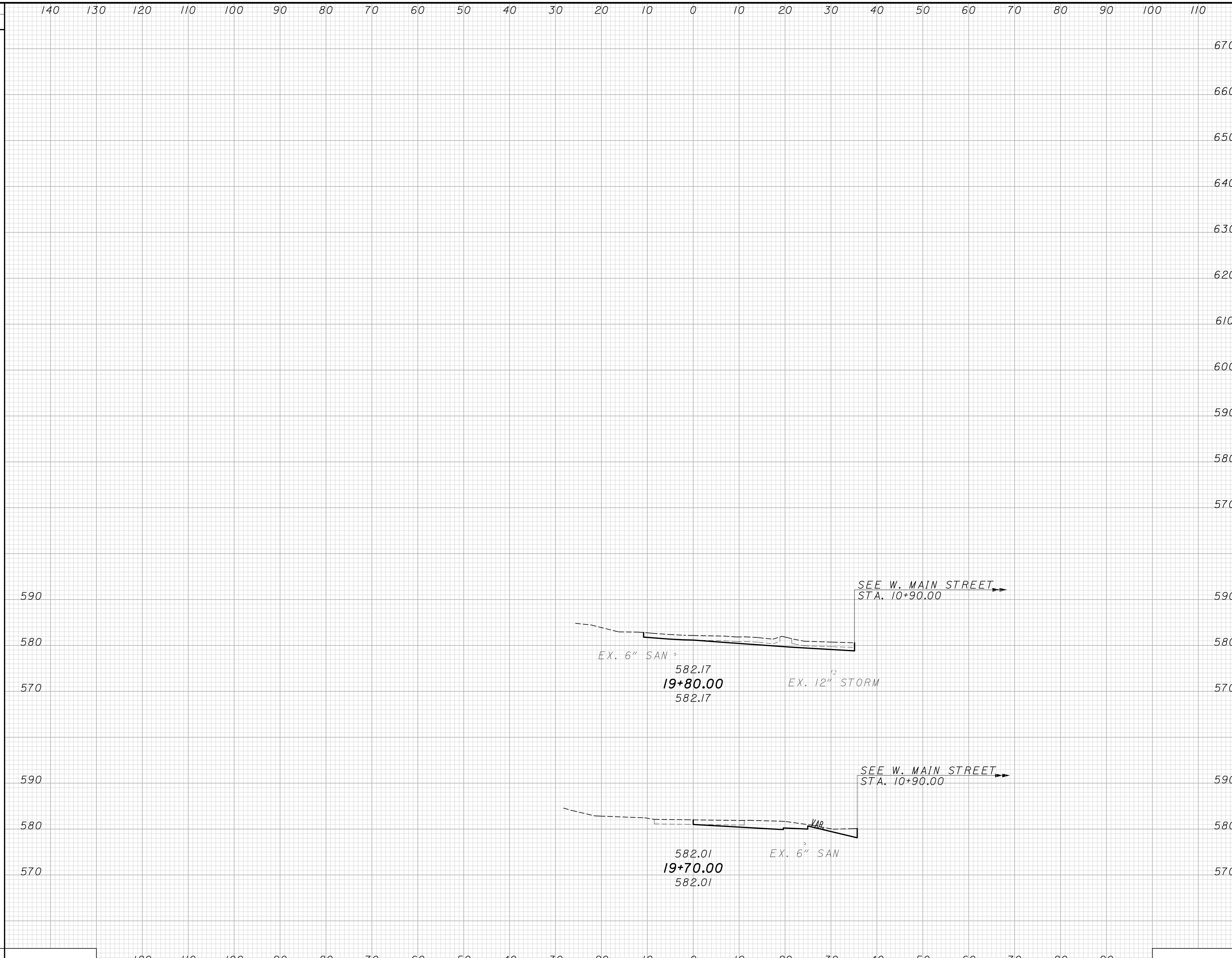
FLOOD RUN STREET CROSS SECTIONS
STA. 19+44.94 TO STA. 19+60.00



SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
21		40	0		
	16			11	0
7		19	0		
	4			2	0
6		1	0		
	0			0	0

CALCULATED MHT
CHECKED AM

MEG-33-15.70



SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
0		64	0		
	6			20	0
11		44	0		
	18			16	0

CALCULATED MHT
CHECKED AM

FLOOD RUN STREET CROSS SECTIONS
STA. 19+70.00 TO STA. 19+80.00

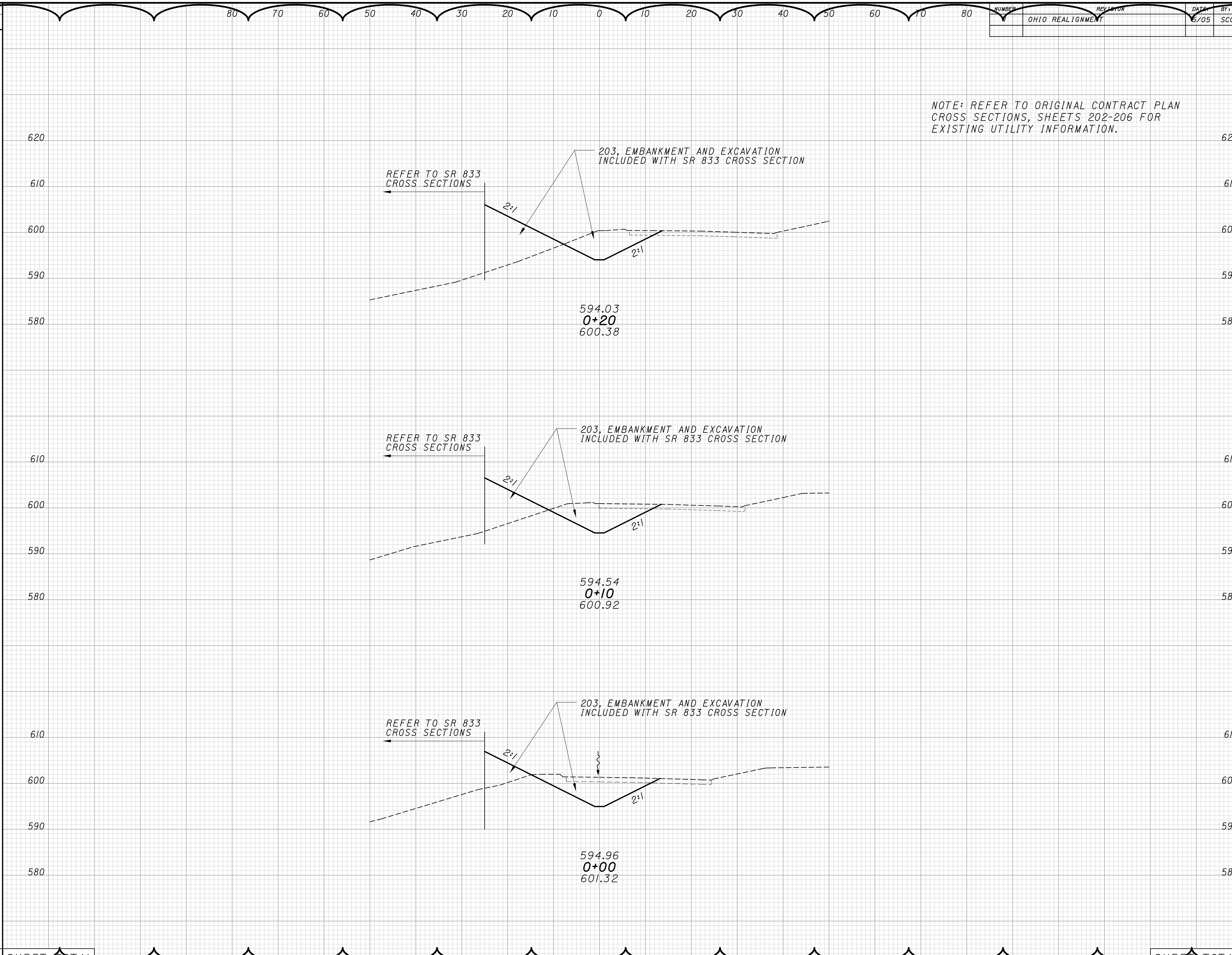
MEG-33-15.70

SEEDING		END AREA		VOLUME	
END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL

NUMBER	REVISION	DATE	BY
	OHIO REALIGNMENT	5/05	SCC

CALCULATED MAL
CHECKED SCC

NOTE: REFER TO ORIGINAL CONTRACT PLAN CROSS SECTIONS, SHEETS 202-206 FOR EXISTING UTILITY INFORMATION.



SHEET TOTAL

SHEET TOTAL

DITCH 1 CROSS SECTIONS STA. 0+00.00 TO 0+20.00

MEG-33-15.70

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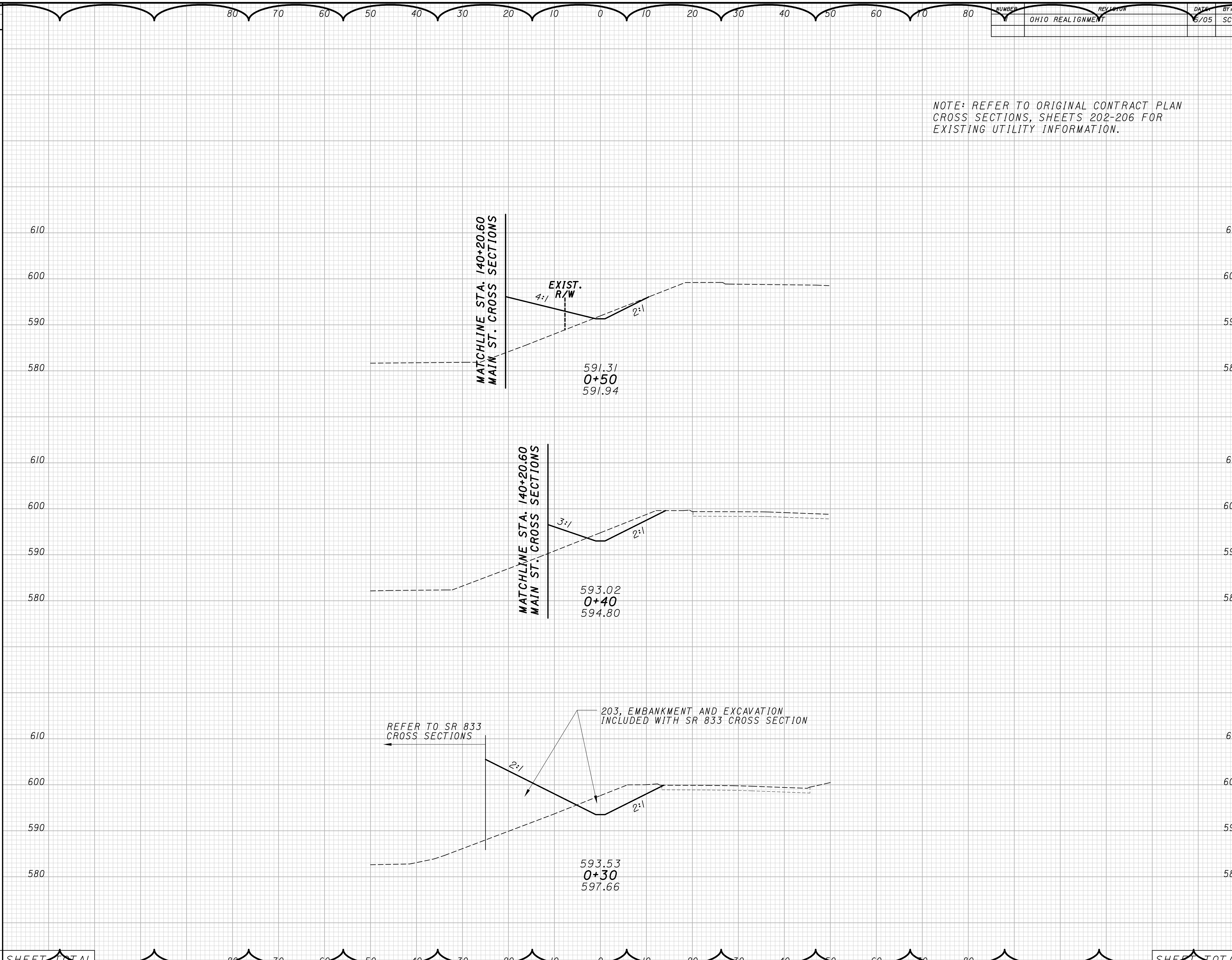
DITCH 1 CROSS SECTIONS
STA. 0+30.00 TO 0+50.00

MEG-33-15.70

Number	Revision	Date	By
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED MAL CHECKED SCC

NOTE: REFER TO ORIGINAL CONTRACT PLAN CROSS SECTIONS, SHEETS 202-206 FOR EXISTING UTILITY INFORMATION.

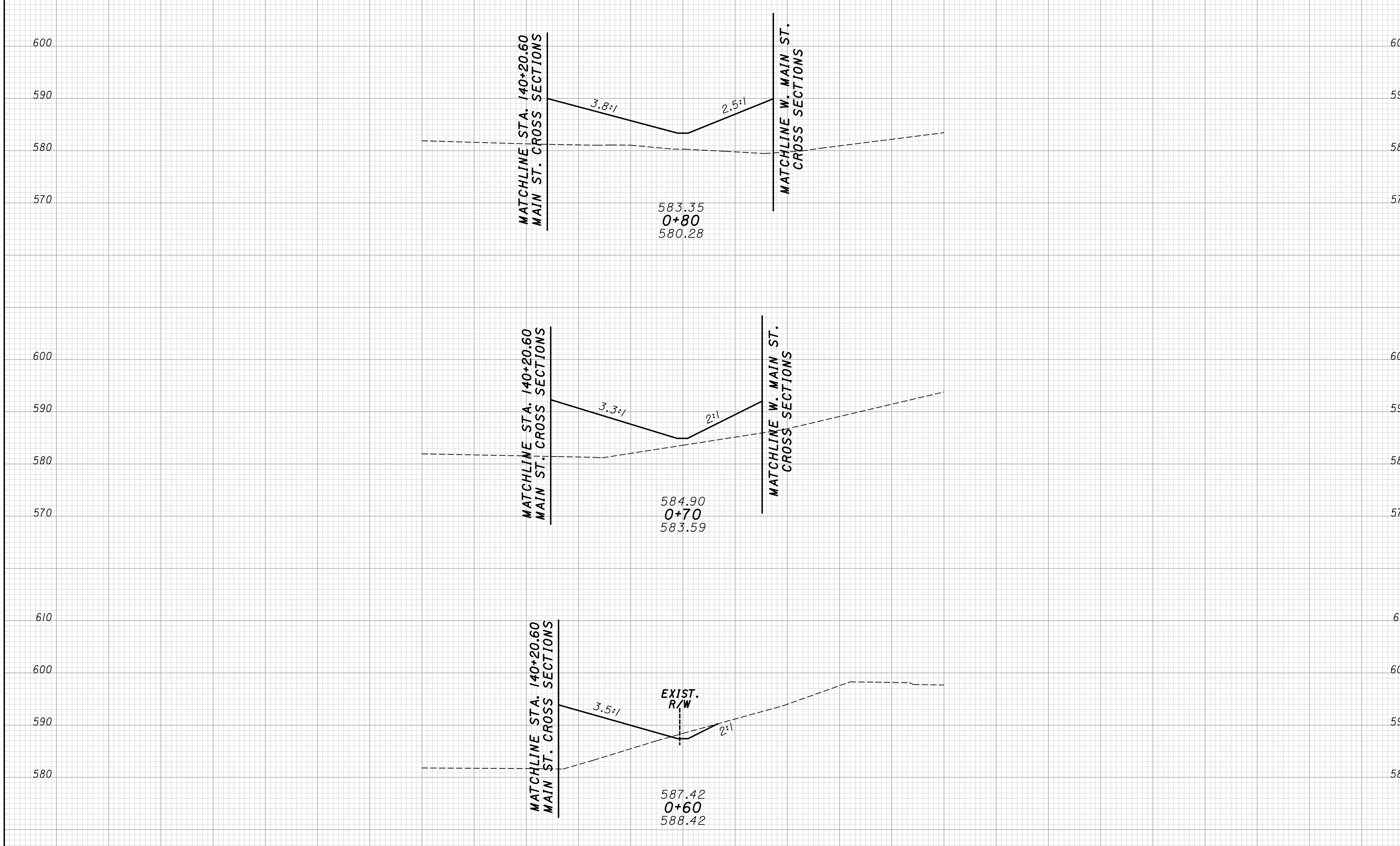


Station	Seeding End Width	Seeding Sq. Yds.	End Area Cut	End Area Fill	Volume Cut	Volume Fill
0+50	23		7	118		
		28			18	81
0+40	27		24	27		
SHEET TOTAL		28			18	81

NUMBER	REVISION	DATE	BY
	OHIO REALIGNMENT	5/05	SCC

CALCULATED MAL
CHECKED SJC

NOTE: REFER TO ORIGINAL CONTRACT PLAN CROSS SECTIONS, SHEETS 202-206 FOR EXISTING UTILITY INFORMATION.



SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
30		0	261		
	29			0	266
22		0	217		
	23			4	196
19		6	135		
	24			8	141
	76 SHEET TOTAL	SHEET TOTAL		12	603

DITCH 1 CROSS SECTIONS
STA 0+60.00 TO 0+80.00

MEG-33-15.70

201C
582

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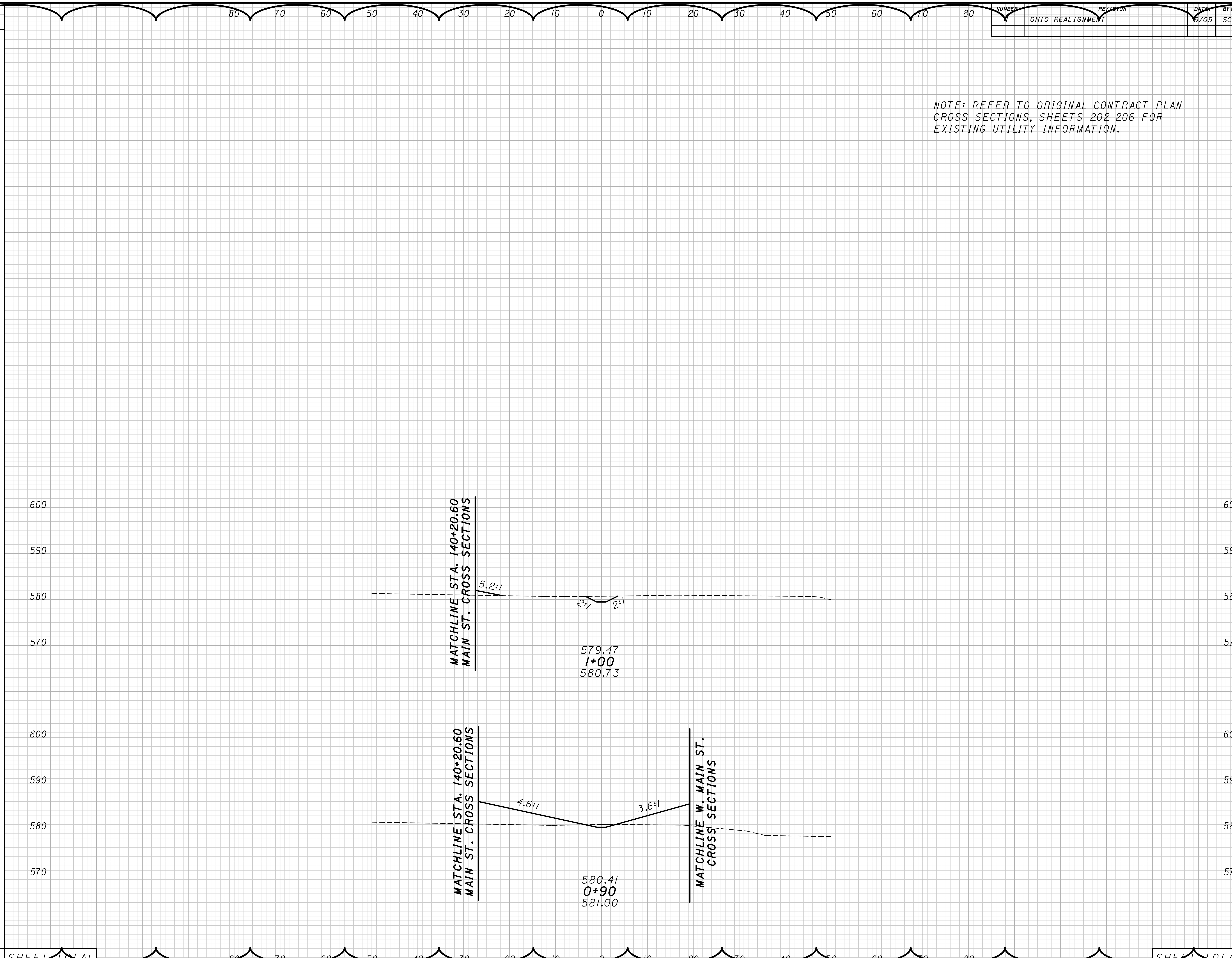
NUMBER	REVISION	DATE	BY
	OHIO REALIGNMENT	5/05	SCC

NOTE: REFER TO ORIGINAL CONTRACT PLAN CROSS SECTIONS, SHEETS 202-206 FOR EXISTING UTILITY INFORMATION.



SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
52		6	4		
	50			5	57
48		3	97		
	44			2	199
SHEET TOTAL	94			7	256

CALCULATED MAL
CHECKED SCC

DITCH 1 CROSS SECTIONS
STA 0+90.00 TO 1+00.00

MEG-33-15.70

201D
582

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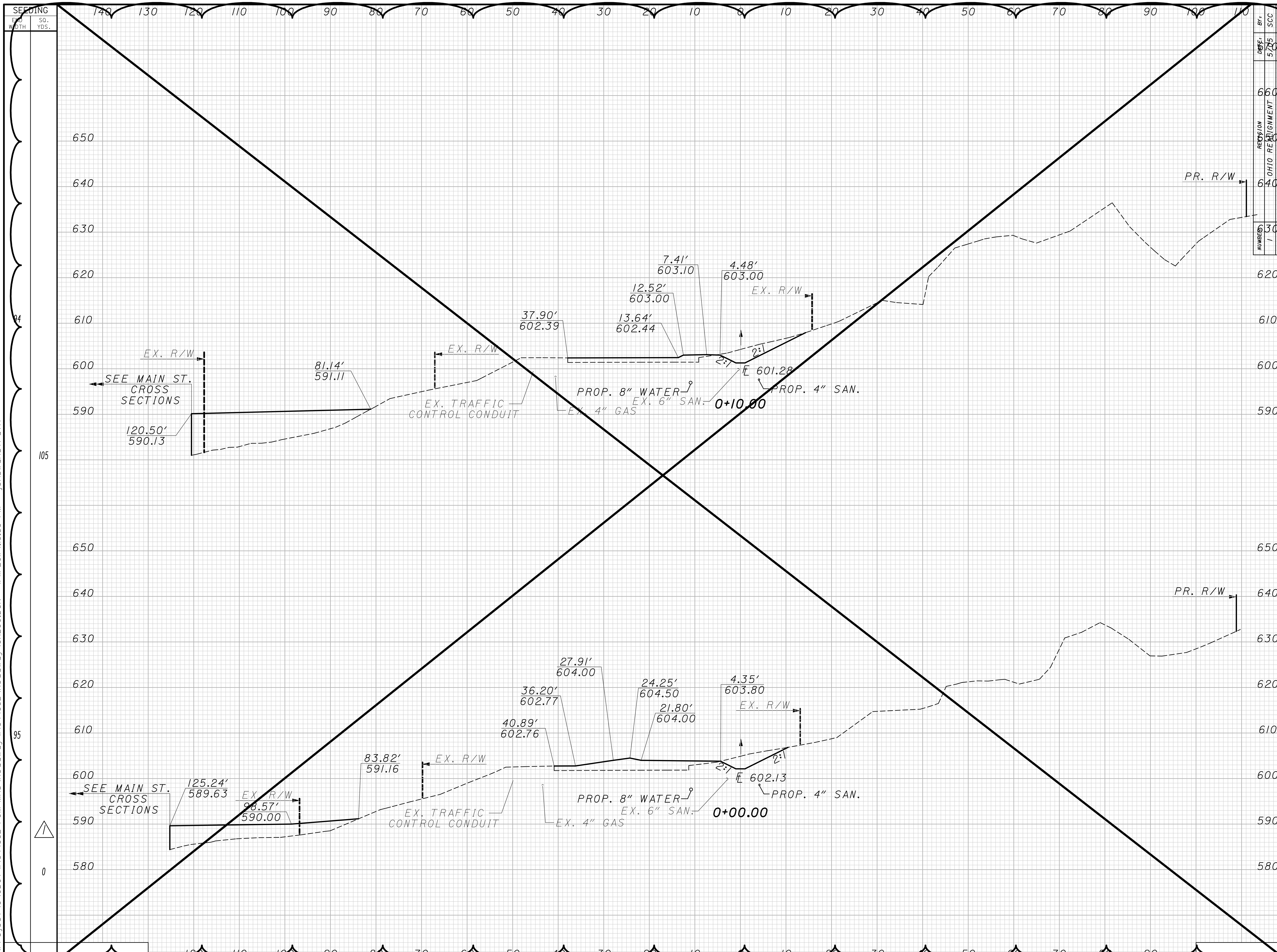
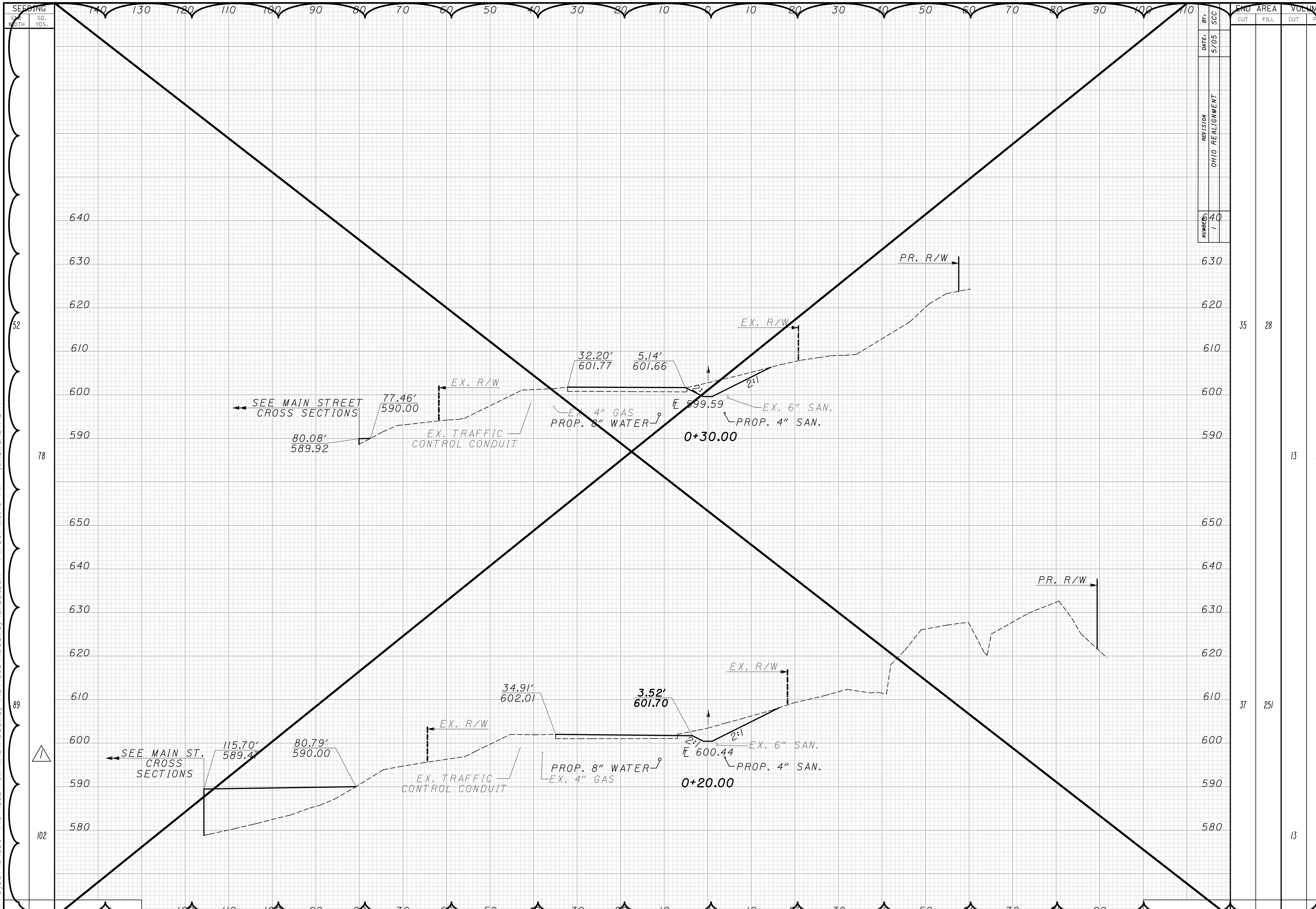


CALCULATED MHT
CHECKED AM

DITCH 1 CROSS SECTIONS
STA. 0+00.00 TO STA. 0+10.00

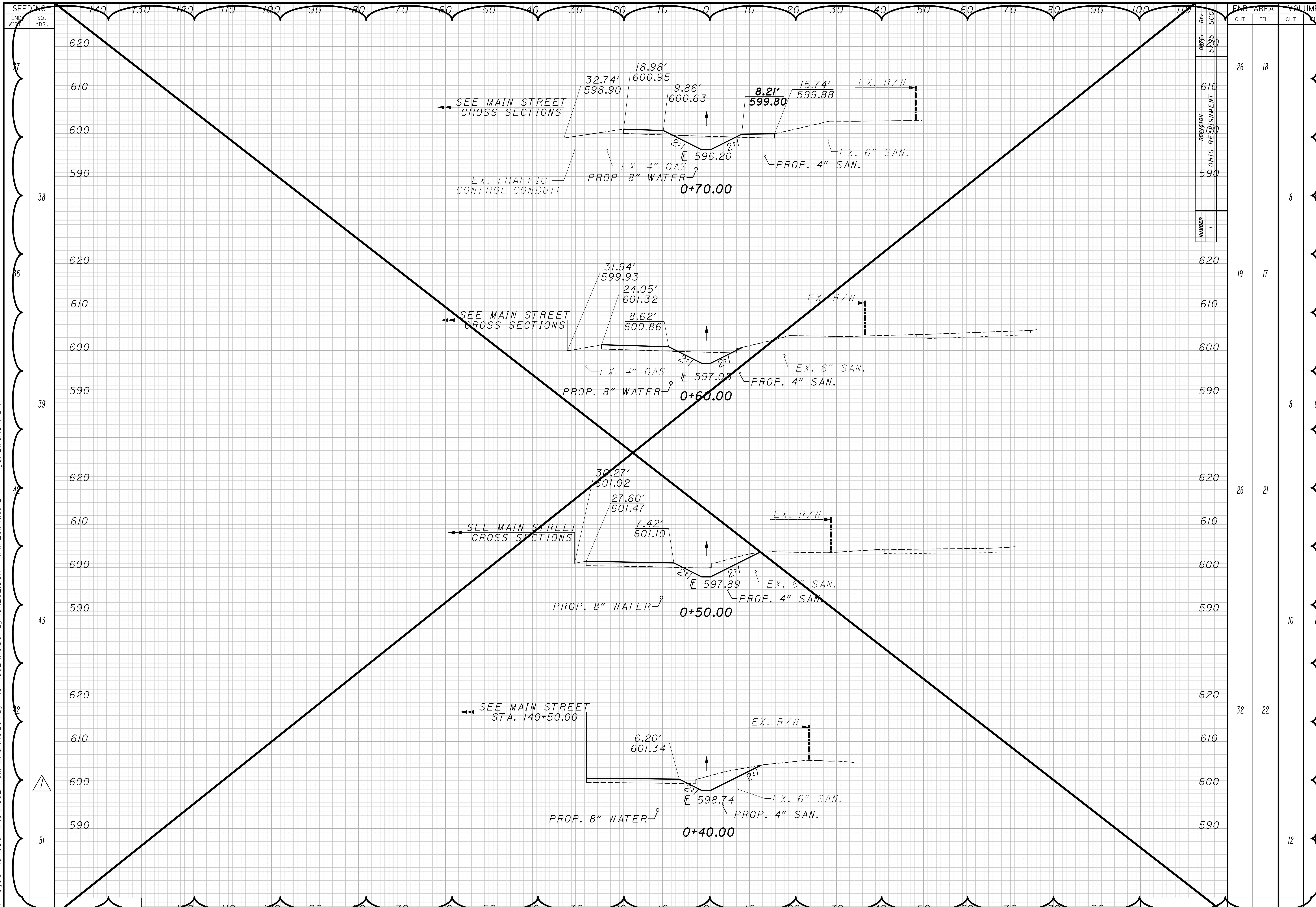
MEG-33-15.70



CALCULATED MHT
CHECKED AM

DITCH 1 CROSS SECTIONS
STA. 0+20.00 TO STA. 0+30.00

MEG-33-15.70



CALCULATED MHT
CHECKED AM

DITCH 1 CROSS SECTIONS
STA. 0+40.00 TO STA. 0+70.00

MEG-33-15.70

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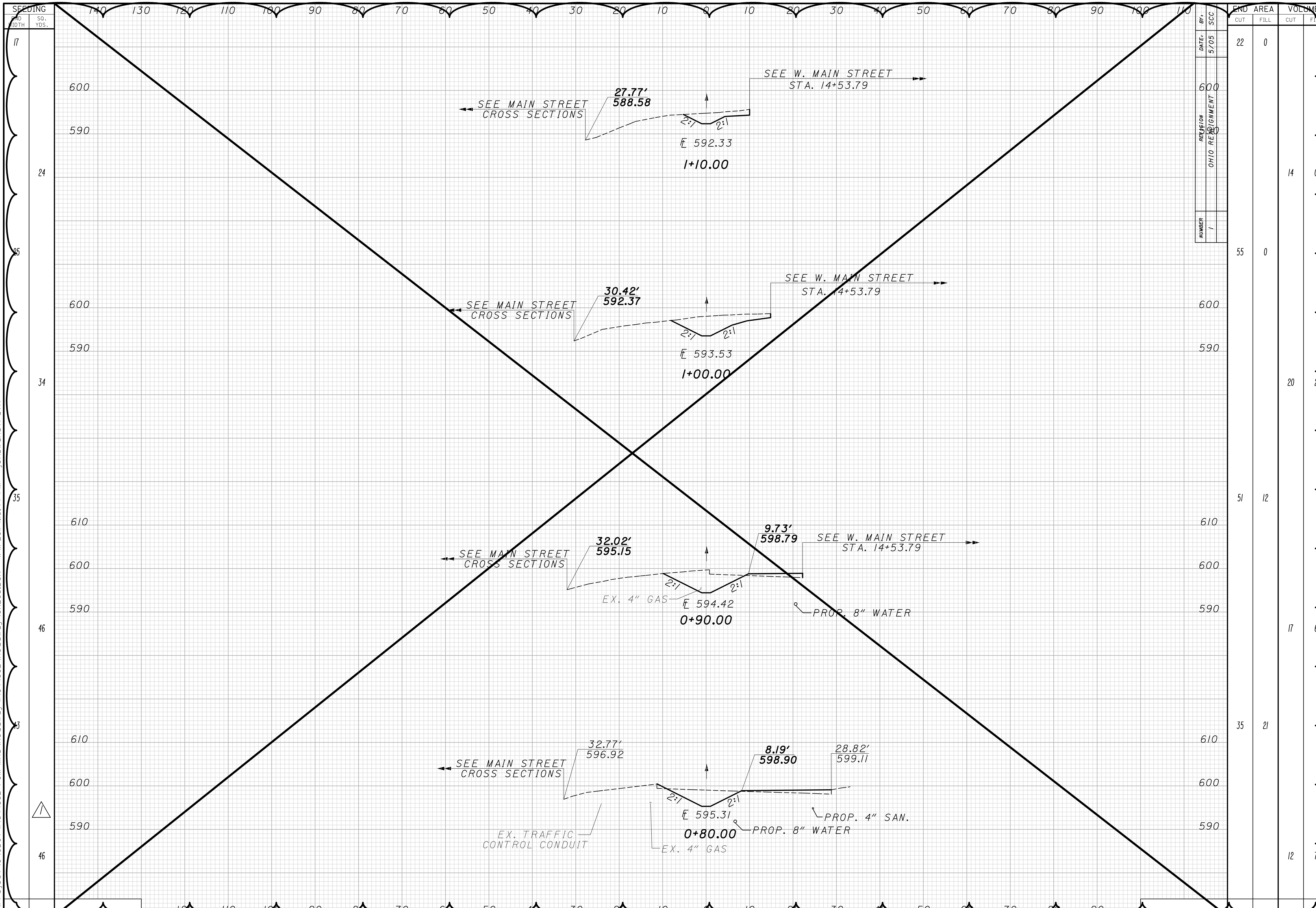
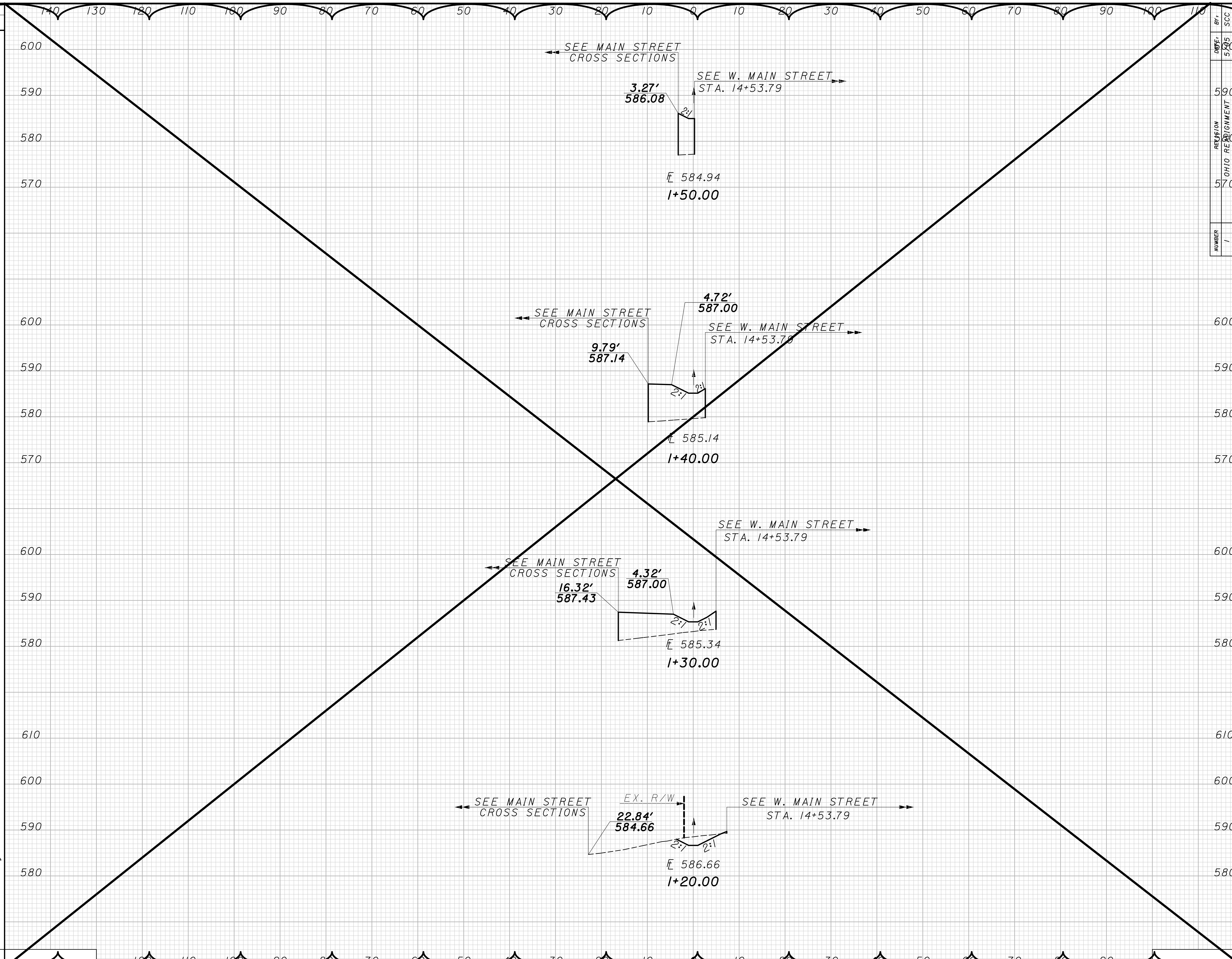


CALCULATED MHT
CHECKED AM

DITCH 1 CROSS SECTIONS
STA. 0+80.00 TO STA. 1+10.00

MEG-33-15.70

J:\Project\O\ODOT\4944862 POM-MAS\Roadway\GX203.DGN - 1/11/2011 4:16:44 PM - jon.wanstrath



SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
4	0	29		
10			0	21
14	0	86		
20			0	32
22	0	89		
19			2	17
12	11	0		
16			6	6

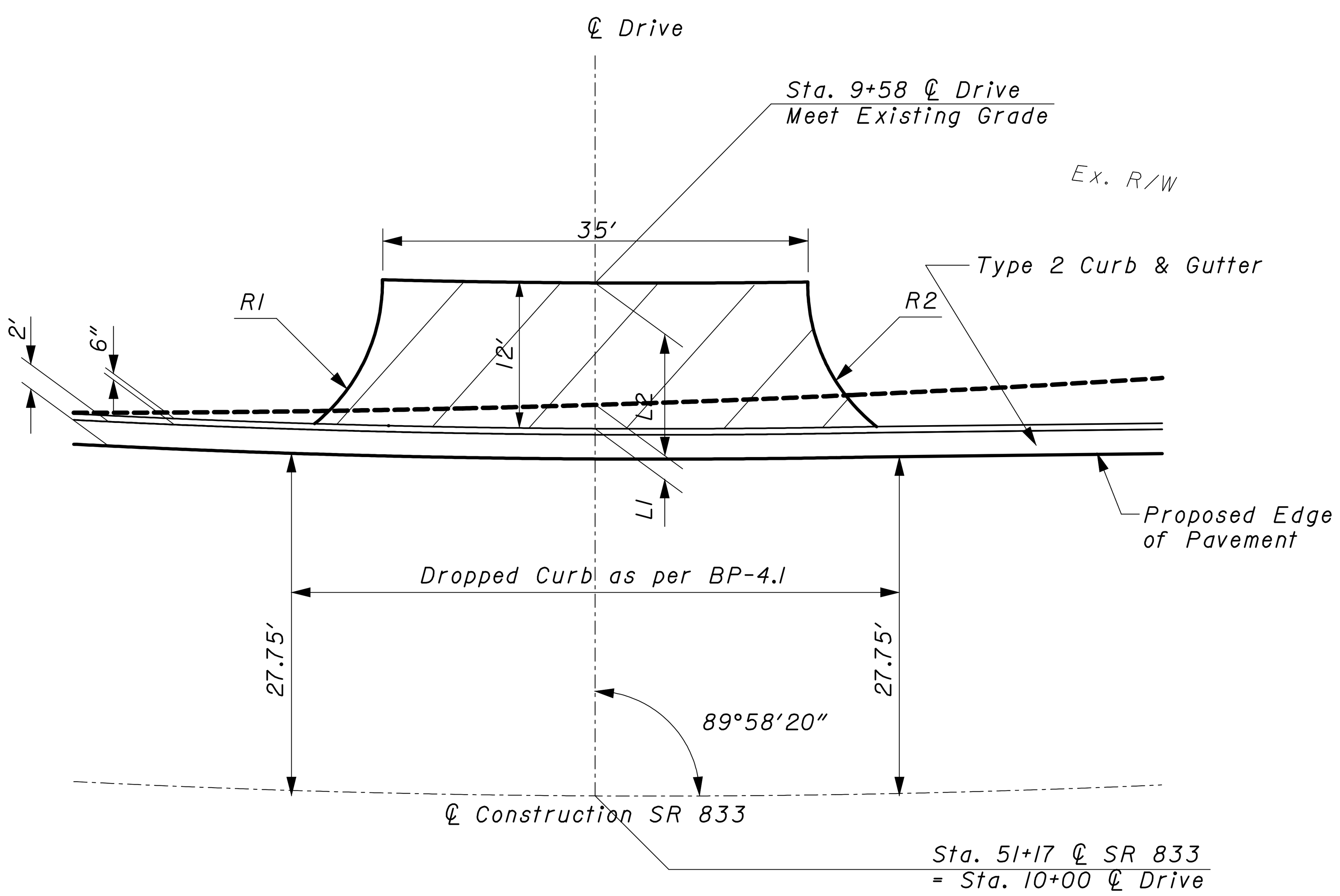
NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/25	SCC

CALCULATED MHT
CHECKED AM

DITCH 1 CROSS SECTIONS
STA. 1+20.00 TO STA. 1+50.00

MEG-33-15.70

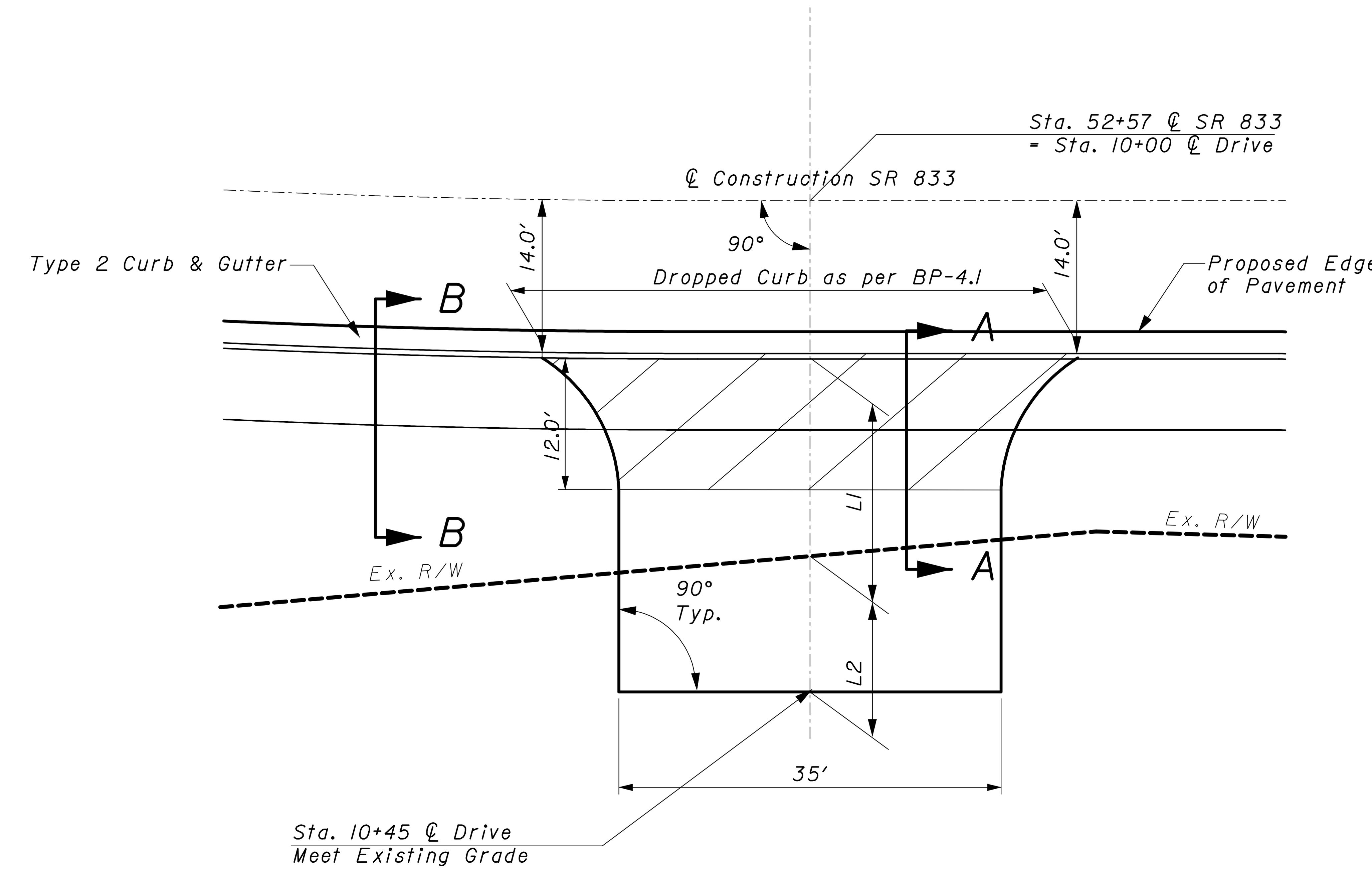
J:\Project\O\ODOT\4944862 POM-MAS\Roadway\4944862\Roadway\GX204.DGN - 1/11/2011 4:16:46 PM - jon.wanstrath



DV 1 Commercial Drive
Sta. 51+17.00

SCALE: 1" = 10'

For Drive Profile see Sheet No. 212.



DV 2 Commercial Drive
Sta. 52+57.00

SCALE: 1" = 10'

For Drive Profile see Sheet No. 212.

Item 452, 8" Plain Concrete Pavement

For L, W and R Dimensions, see Driveway Subsummary, Sheet No. 73-74.
For Sidewalk and Curb Treatment see Sections A-A and B-B, Sheet No. 208.

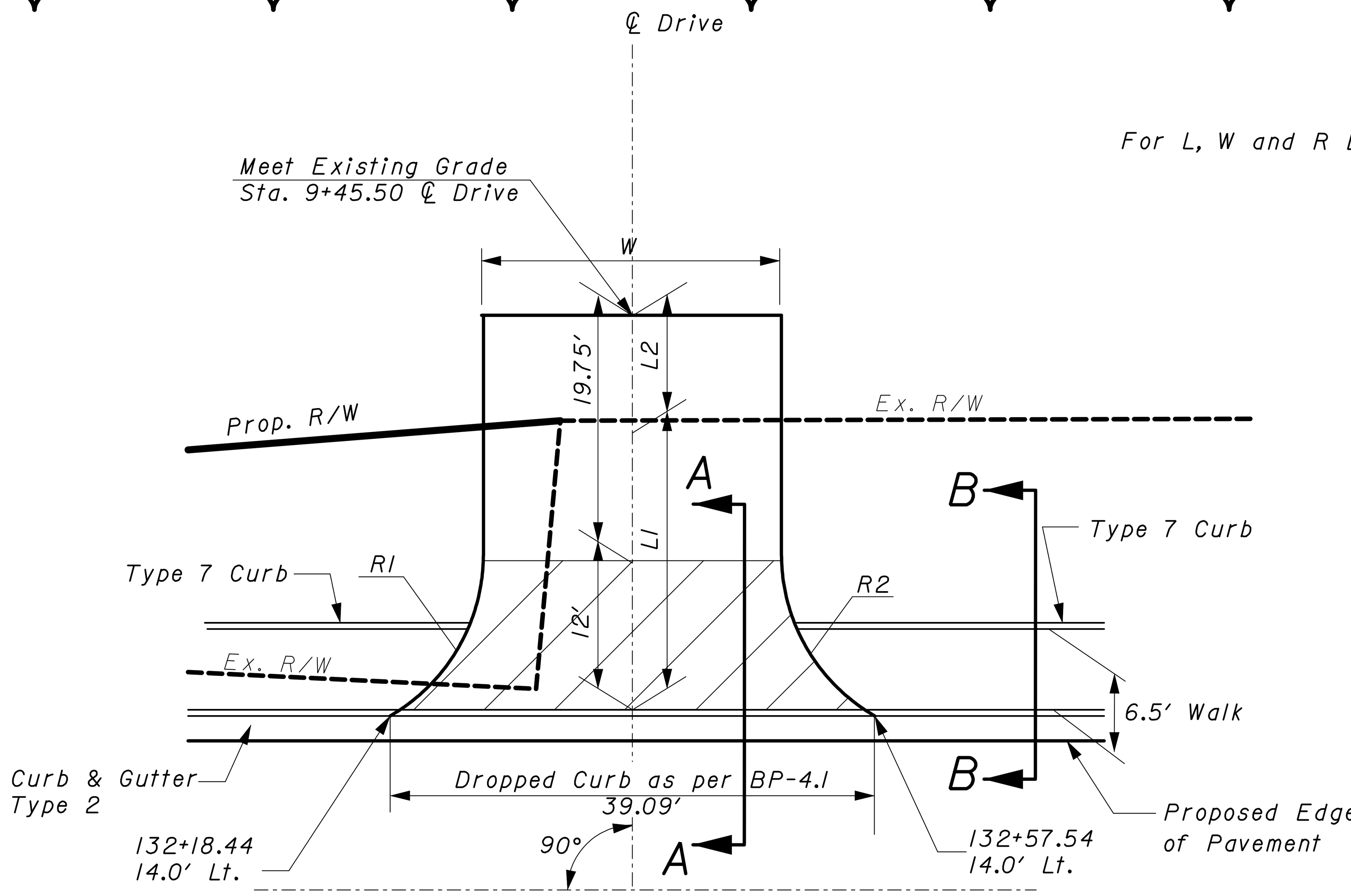
NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED E.F.
CHECKED AM

DRIVEWAY DETAILS - SR 833

MEG-33-15.70

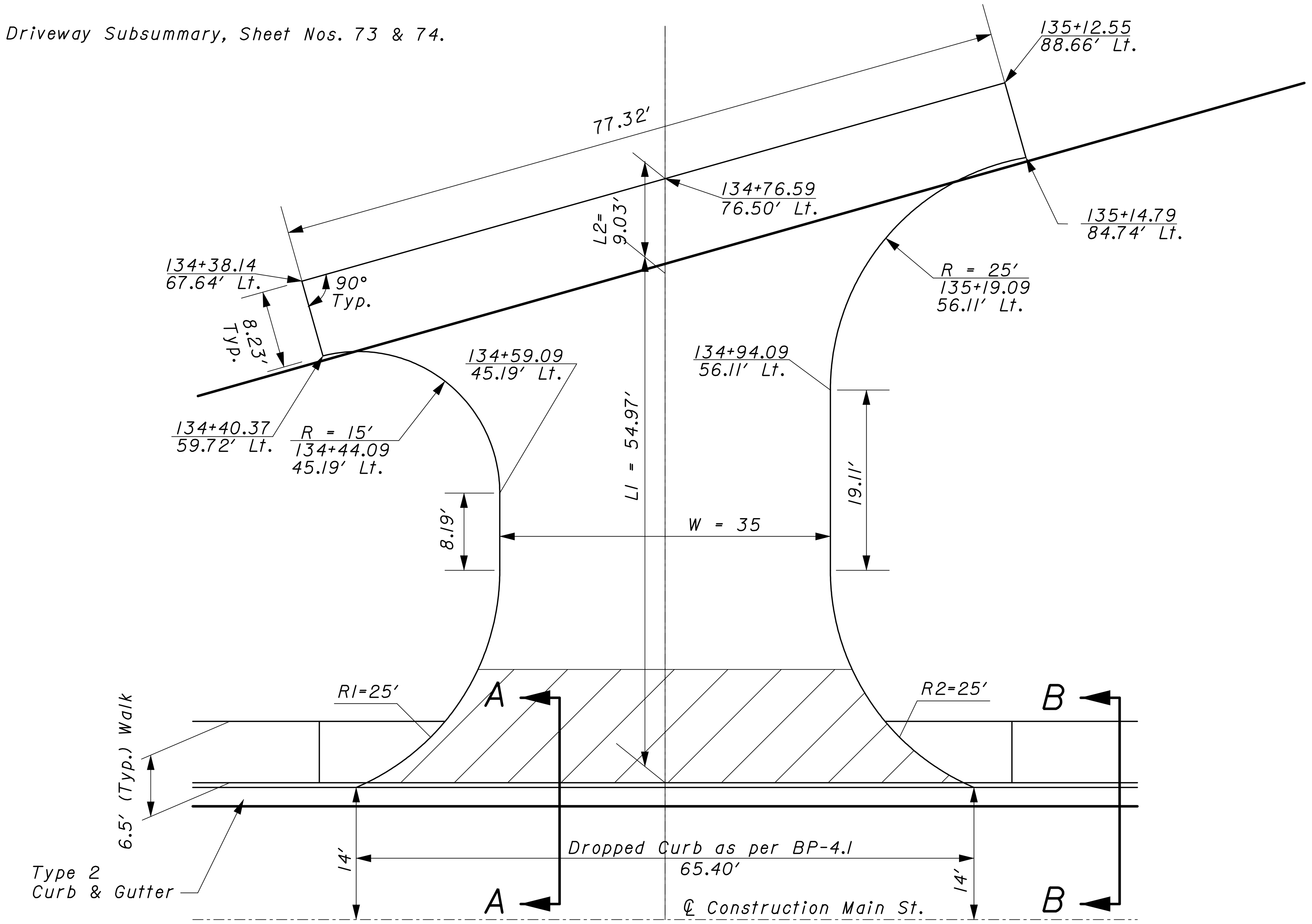
For L, W and R Dimensions, see Driveway Subsummary, Sheet Nos. 73 & 74.



DV 4 Commercial Drive
Sta. 132+38.17 Main St.

SCALE: 1" = 10'

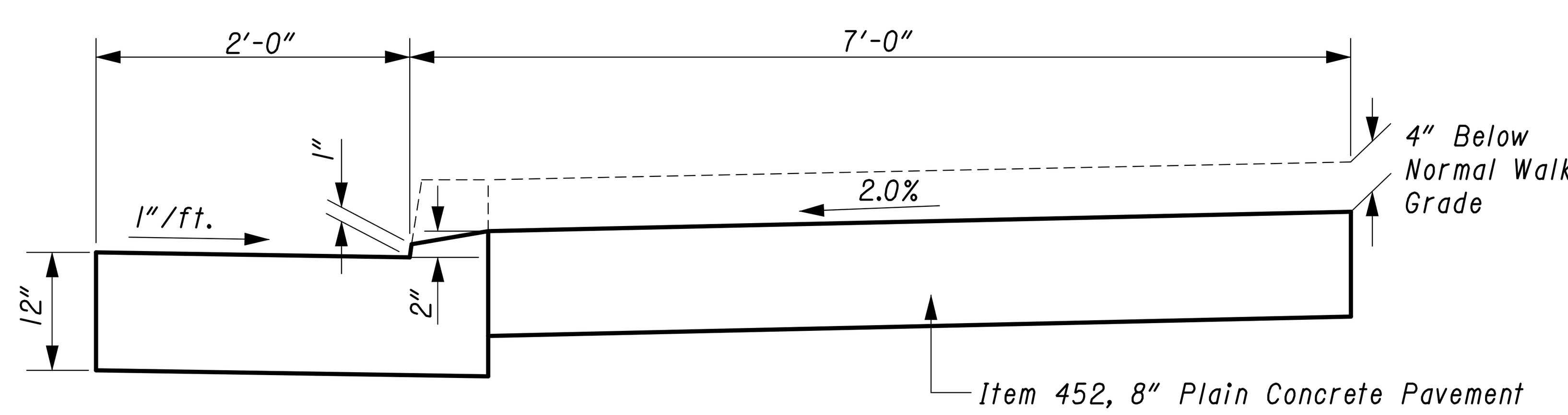
For Drive Profile see Sheet No. 213.



DV 6 Commercial Drive Sta. 134+76.59

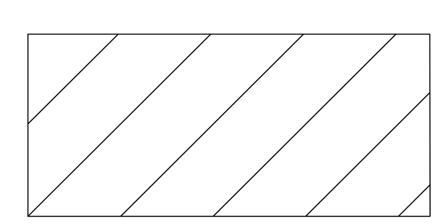
SCALE: 1" = 10'

For Drive Profile see Sheet No. 213.

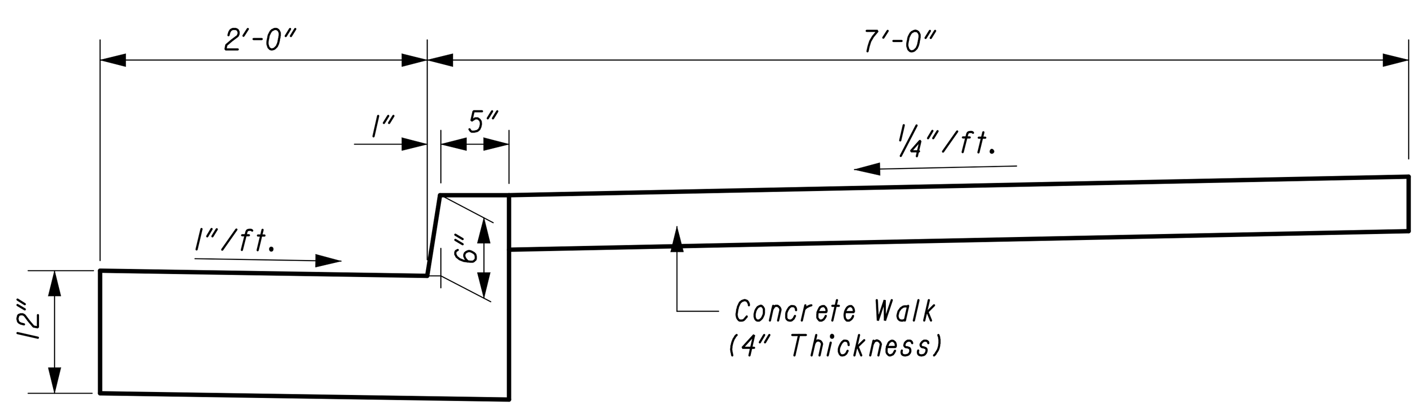


Section A-A
(Typical for all Drives with Sidewalk)

Note:
Commercial Drive - Taper Curb Height from 6" to 2" in 4'



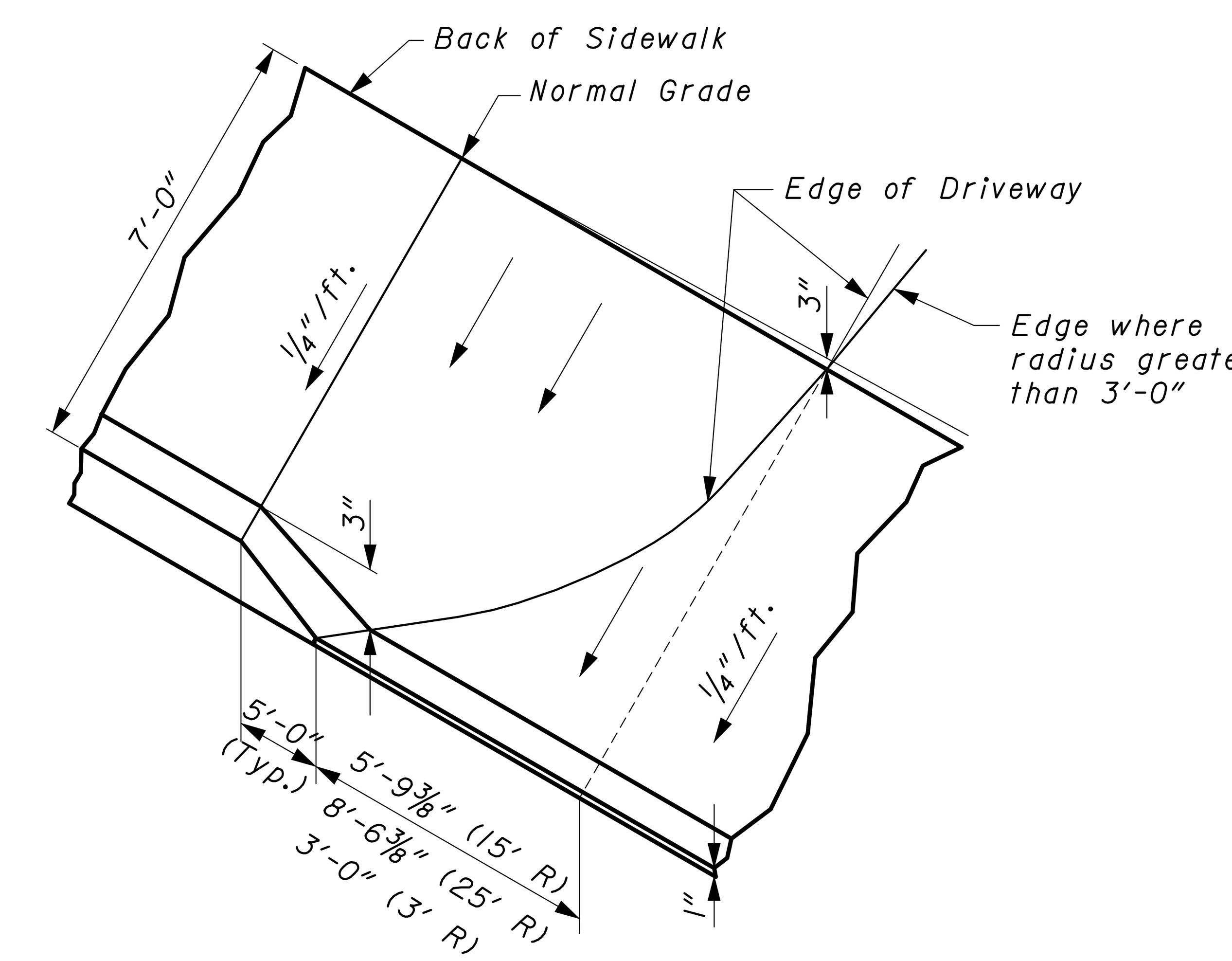
Item 452, 8" Plain Concrete Pavement



Section B-B

NOTE:

The payment for sidewalk ramps as detailed above will be included in the unit price bid for Item 608 Sidewalk and will include all labor, materials and incidentals.



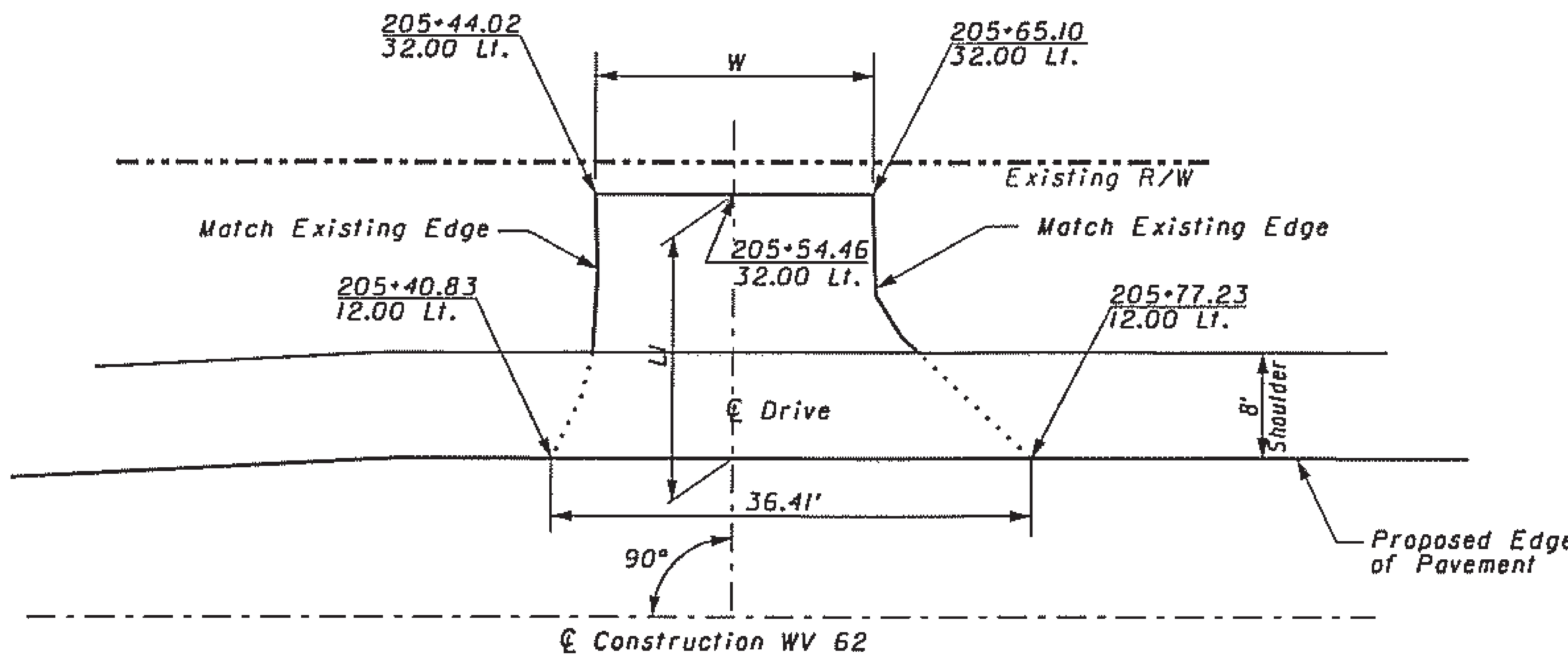
Isometric View
Commercial Drives with Sidewalk

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED E.F.
CHECKED AM

DRIVEWAY DETAILS - MAIN ST

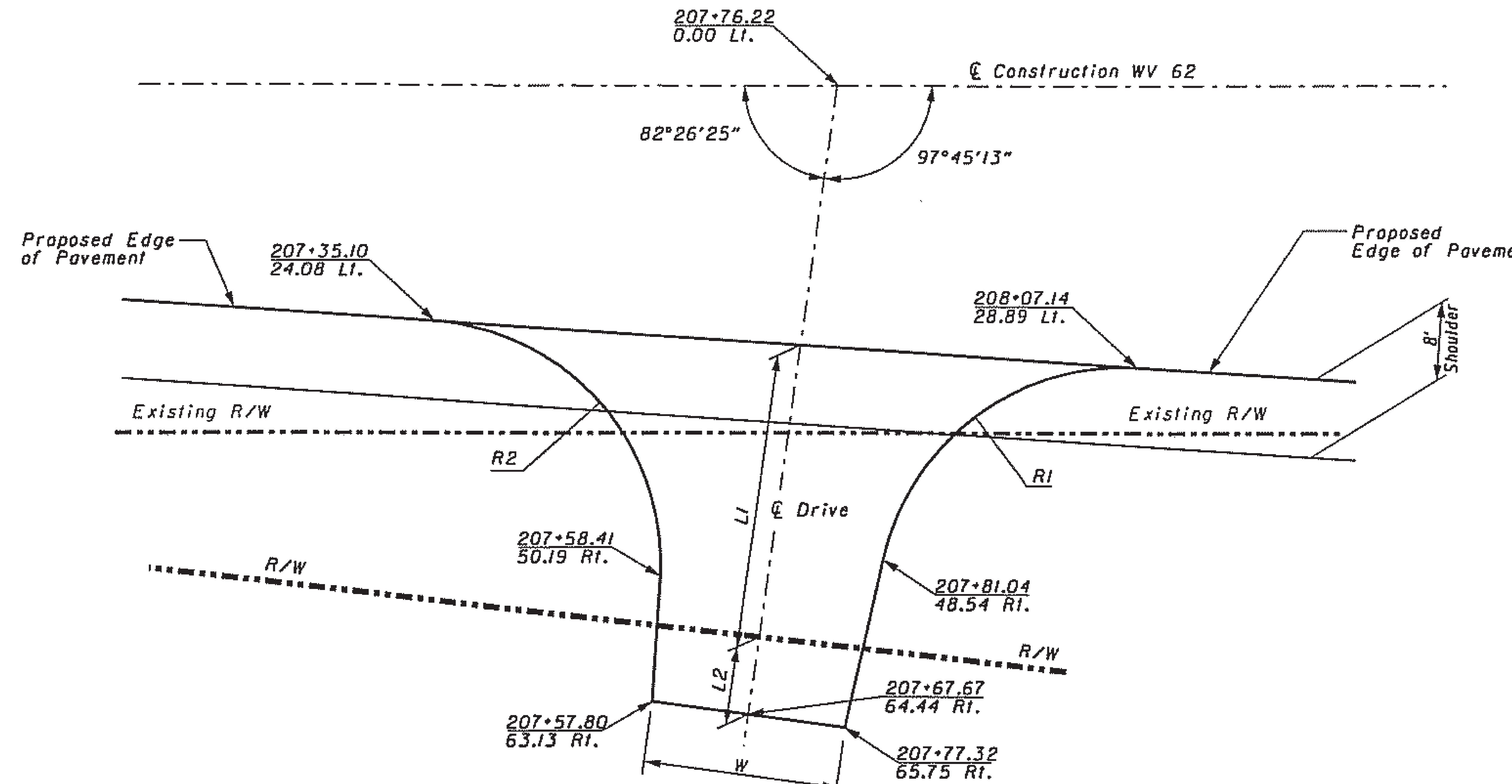
MEG-33-15.70



Residential Drive
Sta. 205+54.56

SCALE: 1" = 10'

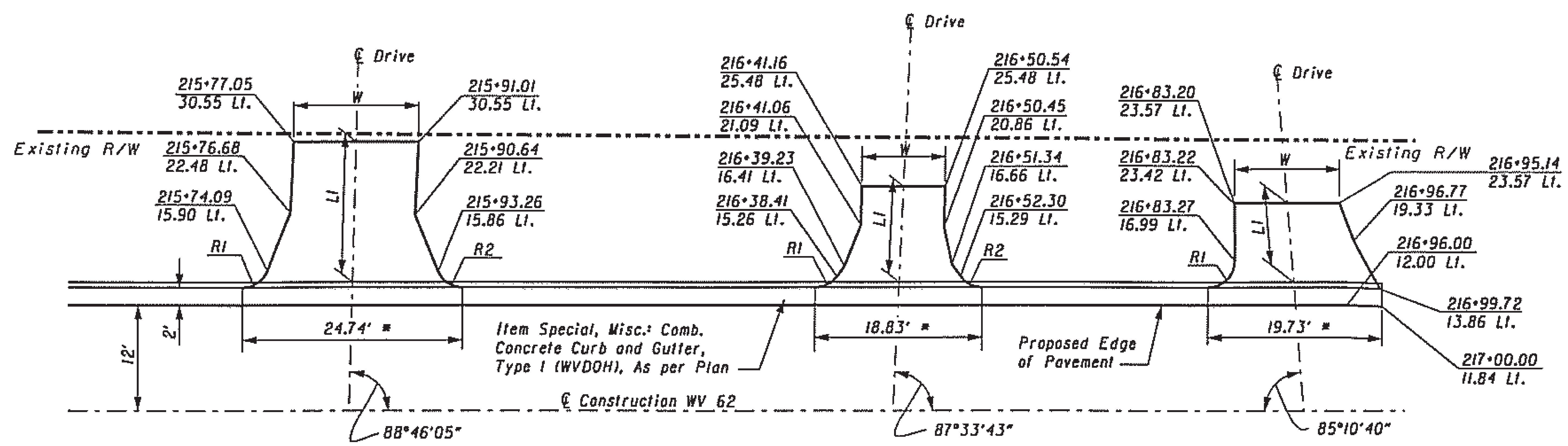
For Drive Profile see Sheet No. 214.



Commercial Drive
Sta. 207+76.22

SCALE: 1" = 10'

For Drive Profile see Sheet No. 214.



Residential Drive
Sta. 215+83.37

For Drive Profile see Sheet No. 215.

Residential Drive
Sta. 216+44.76

For Drive Profile see Sheet No. 215.

Residential Drive
Sta. 216+91.16

For Drive Profile see Sheet No. 216.

SCALE: 1" = 10'

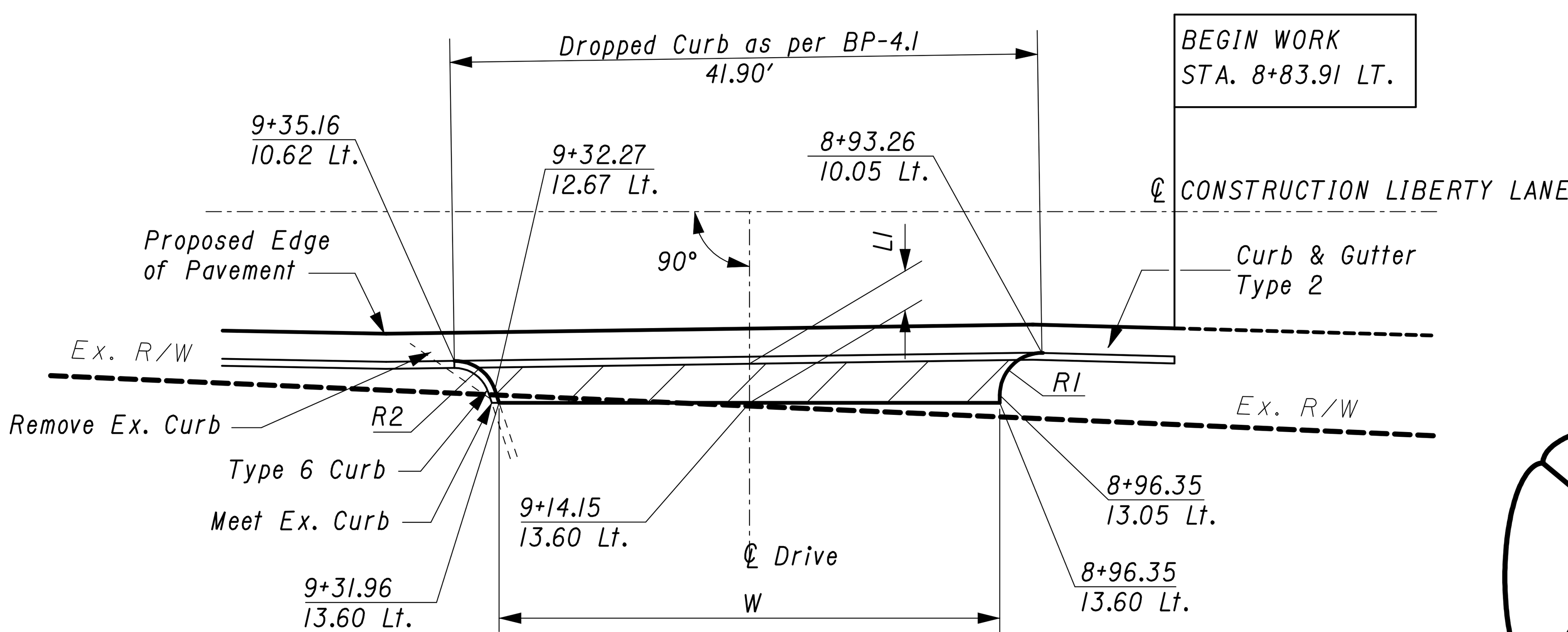
* Item Special, Misc.: Combination Concrete Curb and Gutter, Type IV (WVDOH), As per Plan

For L, W and R Dimensions, see Driveway Subsummary, Sheet Nos. 73 & 74.
For Curb and Gutter Details see Sheet No. 218.

CALCULATED EF CHECKED AM

DRIVEWAY DETAILS - WV 62

MEG-33-15.70



DV 12 Commercial Drive
Sta. 9+14.15 Liberty Lane

SCALE: 1" = 10'

For Drive Profile see Sheet No. 216.

Item 452, 8" Plain Concrete Pavement

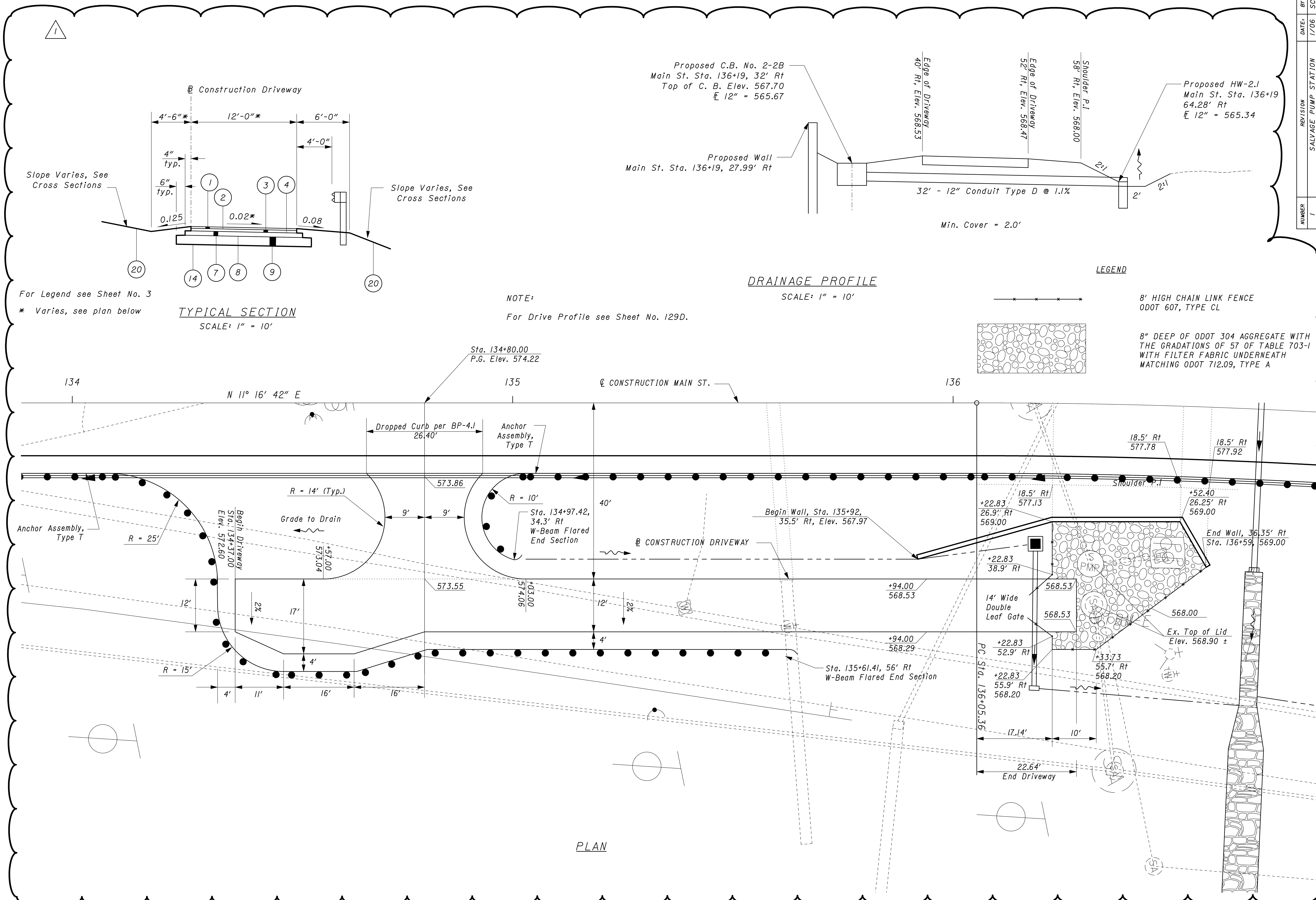
For L, W and R Dimensions, see Driveway Subsummary, Sheet Nos. 73 & 74.
For Returns Information see Intersection Details Sheet No. 221

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC
2	SALVAGE PUMP STATION	1/06	SCC

CALCULATED EF
CHECKED AM

DRIVEWAY DETAILS - LIBERTY LANE AND WEST MAIN ST

MEG-33-15.70



NUMBER	REVISION	DATE	BY
1	SALVAGE PUMP STATION	1/06	SCC

CALCULATED
CHECKED

HORIZONTAL SCALE IN FEET
0 10 20

DRIVEWAY AND PUMP STATION DETAIL

MEG-33-15.70

210A
582

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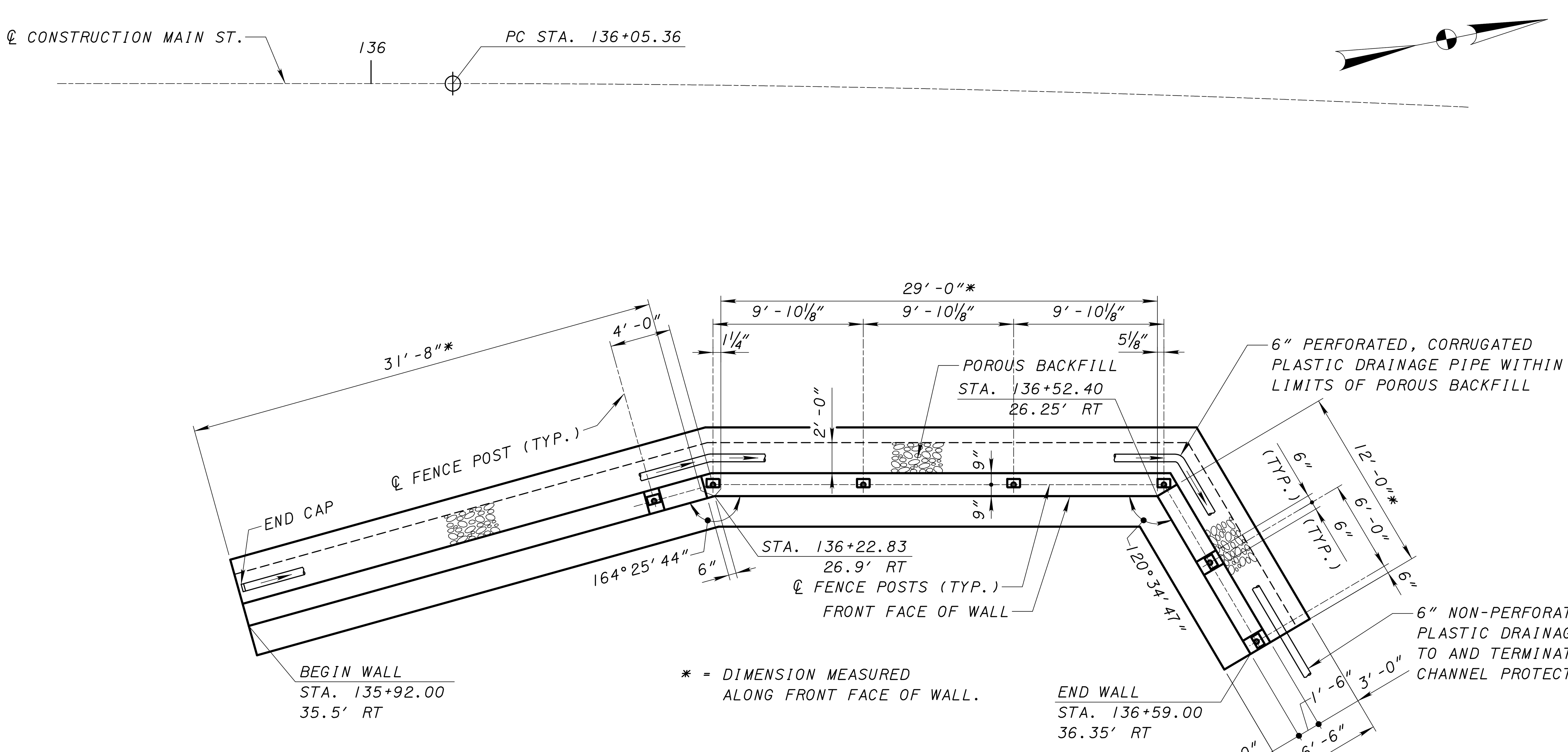
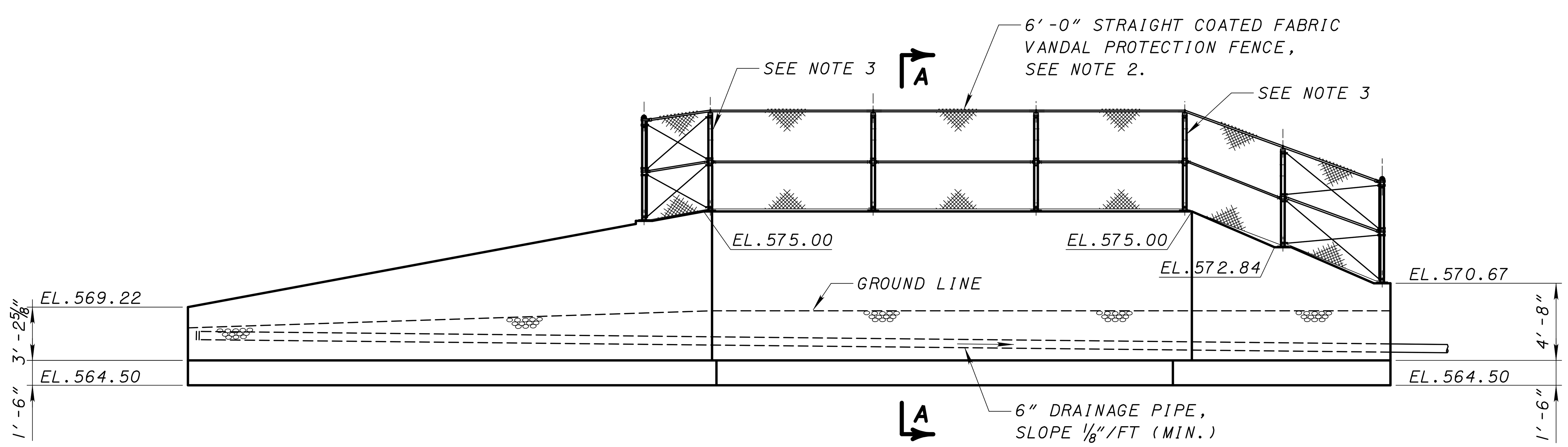
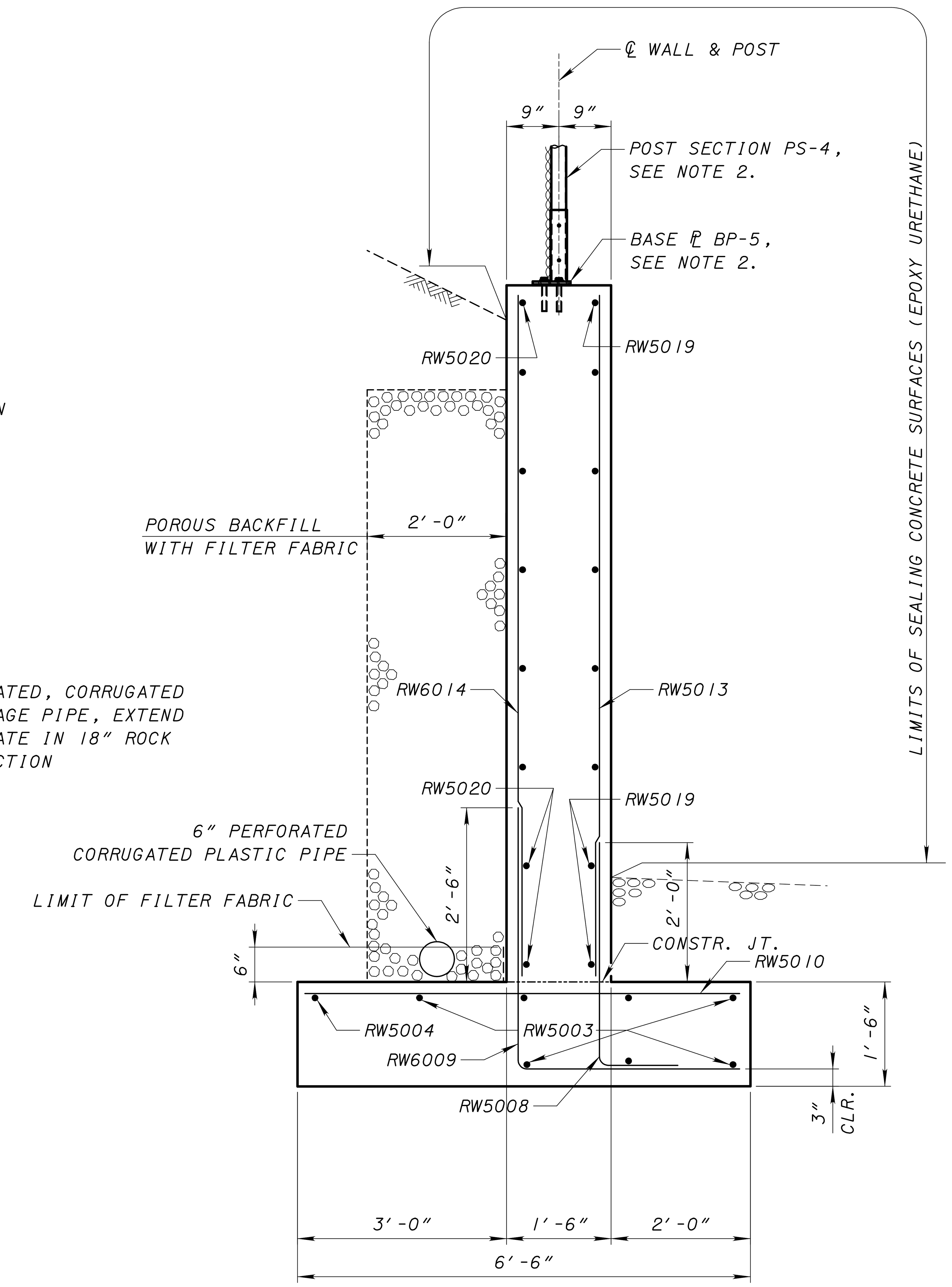


GENERAL PLAN



ELEVATION



SECTION A-A

ESTIMATED QUANTITIES				
ITEM	ITEM EXTENSION	TOTAL	UNIT	DESCRIPTION
503	21100	109	CU YD	UNCLASSIFIED EXCAVATION
518	21200	35	CU YD	POROUS BACKFILL WITH FILTER FABRIC
518	40000	75	FT	6" PERFORATED CORRUGATED PLASTIC PIPE
518	40012	17	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE
SPECIAL	607-39900	47	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC
842	46200	58	CU YD	CLASS C CONCRETE
864	10100	53	SQ YD	SEALING OF CONCRETE SURFACES (EPOXY URETHANE)

NOTES

1. FOR GENERAL NOTES, SEE SHEET 2/3.
2. FOR ADDITIONAL DETAILS AND NOTES FOR VANDAL PROTECTION FENCING, SEE STD. DWG. VPF-1-90.
3. SEE STD. DWG. VPF-1-90, SHEET 5 OF 6, "ELEVATION OF FENCE AT EXPANSION JOINT" FOR FABRIC AND POST TREATMENT AT BEND LINE.
4. ALL TENSION BARS SHALL BE INSTALLED PLUMB.
5. POROUS BACKFILL WITH FILTER FABRIC, 2 FEET THICK SHALL EXTEND TO 1 FOOT BELOW THE EMBANKMENT SURFACE, AND LATERALLY TO THE ENDS OF THE WALL.
6. SEE ROADWAY PLANS FOR GRADING AROUND WALL.

NUMBER	REVISION	DATE	BY
1	SALVAGE PUMP STATION	1/06	MJZ

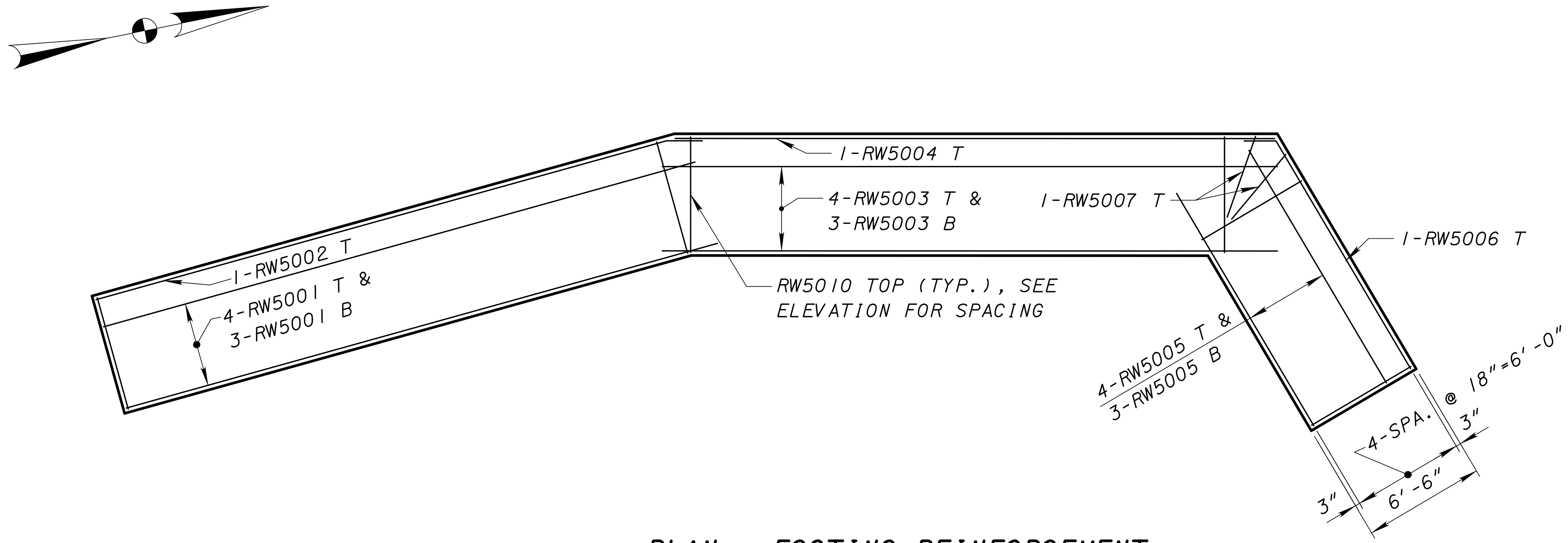
DESIGN AGENCY: URS, 36 EAST 7TH STREET, SUITE 2300, CINCINNATI, OHIO 45202

DESIGNED LNB · CHECKED BER · DRAWN GJW · REVISED · REVIEWED KJR · DATE 1-06 · STRUCTURE FILE NUMBER 5300916 OH / 10385 WV

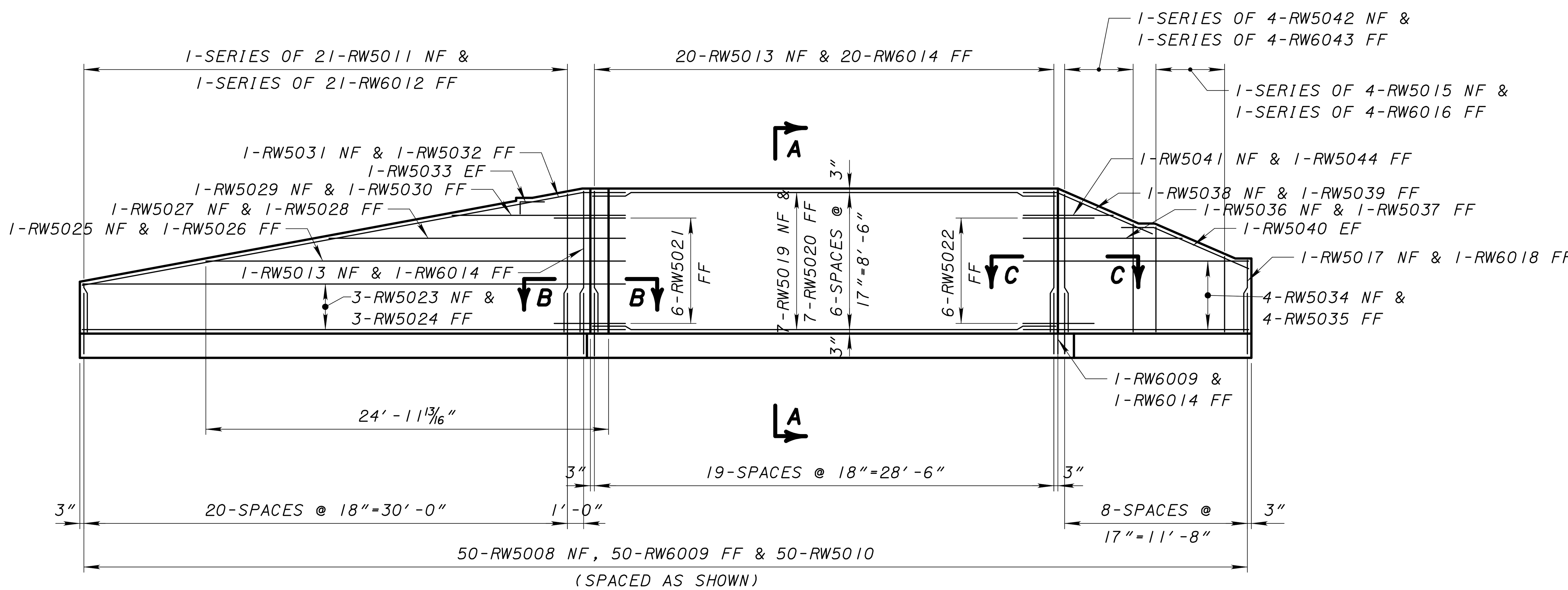
MAIN STREET RETAINING WALL (1)

BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

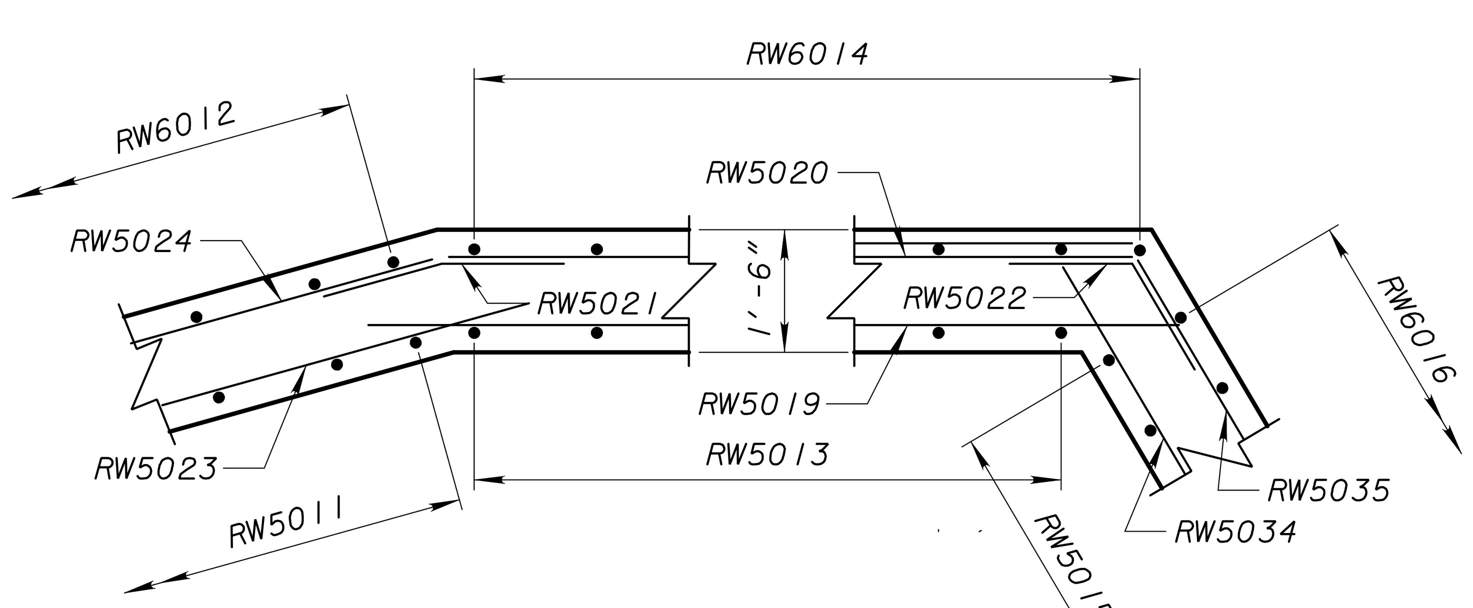
MEG-33-15.70



PLAN - FOOTING REINFORCEMENT



ELEVATION - WALL REINFORCEMENT



SECTION B-B   SECTION C-C

GENERAL NOTES

REFERENCE SHALL BE MADE TO STANDARD DRAWINGS:

VPF-1-90, REVISED 3-24-93

AND TO SUPPLEMENTAL SPECIFICATIONS:

842	DATED 1-6-99	CONCRETE FOR STRUCTURES
864	DATED 7-11-00	SEALING CONCRETE SURFACES
899	DATED 10-21-98	CONCRETE - GENERAL

DESIGN SPECIFICATIONS:

THIS STRUCTURE CONFORMS TO "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 17TH EDITION 2002, AND THE ODOT BRIDGE DESIGN MANUAL.

DESIGN DATA:

CONCRETE CLASS C - COMPRESSIVE STRENGTH 4000 PSI

REINFORCING STEEL- ASTM A615 OR A996 GRADE 60, MINIMUM YIELD STRENGTH 60000 PSI.

FOUNDATION BEARING PRESSURE:

FOOTINGS AS DESIGNED, PRODUCE A MAXIMUM BEARING PRESSURE PRESSURE OF 0.93 TONS PER SQUARE FOOT. THE CONTRACTOR SHALL ASSURE THE SOILS ARE SUITABLE FOR AN ALLOWABLE BEARING PRESSURE OF 1 TON PER SQUARE FOOT PRIOR TO INSTALLING FOOTING.

NOTES

1. FOR SECTION A-A, SEE SHEET 1/3.
2. FOR REINFORCING STEEL LIST, SEE SHEET 3/3.
3. FOR WALL STATIONS AND OFFSETS, SEE GENERAL PLAN, SHEET 1/3.

LEGEND

T = TOP
B = BOTTOM
EF = EACH FACE
NF = NEAR FACE
FF = FAR FACE

NUMBER	REVISION	DATE	BY
1	SALVAGE PUMP STATION	1/06	MJZ

DESIGN AGENCY: URS, 36 EAST 7TH STREET, SUITE 2300, CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
LNB	GJW	KJR	1-06
CHECKED	REVISED	STRUCTURE FILE NUMBER	
MJZ		5300916 OH / 10385 WV	

MAIN STREET RETAINING WALL (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

2 / 3

210C / 582

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MARK			NO. BARS	LENGTH	TYPE	B	C	D	E	F	G	H	J	N	PHI
PX	SZ	ID		FT IN		FT IN	FT IN	FT IN	FT IN	FT IN	FT IN	FT IN	FT IN		Φ
RETAINING WALL															
RW	5	001	7	32- 9	1	32- 9									
RW	5	002	1	34- 1	12	32- 1	2- 0								16°
RW	5	003	7	32-10	1	32-10									
RW	5	004	1	32- 0	1	32- 0									
RW	5	005	7	14- 5	1	14- 5									
RW	5	006	1	16- 3	12	14- 3	2- 0								60°
RW	5	007	2	4- 6	1	4- 6									
RW	5	008	50	4- 1	10	3- 3	1- 0								
RW	6	009	51	6- 9	10	3- 9	3- 2								
RW	5	010	50	6- 2	1	6- 2									
RW	5	011	1	SERIES	1	SERIES									
			SETS	3- 1		3- 1									
			OF	TO		TO									
			21	8- 7		8- 7									
RW	6	012	1	SERIES	1	SERIES									
			SETS	3- 1		3- 1									
			OF	TO		TO									
			21	8- 7		8- 7									
RW	5	013	21	8-10	1	8-10									
RW	6	014	21	8-10	1	8-10									
RW	5	015	1	SERIES	1	SERIES									
			SETS	4- 9		4- 9									
			OF	TO		TO									
			4	6- 7		6- 7									
RW	6	016	1	SERIES	1	SERIES									
			SETS	4- 9		4- 9									
			OF	TO		TO									
			4	6- 7		6- 7									
RW	5	017	1	4- 6	1	4- 6									
RW	6	018	1	4- 6	1	4- 6									
RW	5	019	7	32-10	1	32-10									
RW	5	020	7	29-11	1	29-11									
RW	5	021	6	4- 0	12	2- 0	2- 0								16°
RW	5	022	6	4- 0	12	2- 0	2- 0								60°
RW	5	023	3	32-11	1	32-11									
RW	5	024	3	31- 7	1	31- 7									
RW	5	025	1	25- 1	1	25- 1									
RW	5	026	1	23-11	1	23-11									
RW	5	027	1	17- 2	1	17- 2									
RW	5	028	1	16- 3	1	16- 3									
RW	5	029	1	9- 6	1	9- 6									
RW	5	030	1	8- 4	1	8- 4									
RW	5	031	1	33- 6	12	31- 6	2- 0								11°
RW	5	032	1	31- 6	1	31- 6									
RW	5	033	2	2- 1	10	1- 6	0- 9								
RW	5	034	4	13- 1	1	13- 1									
RW	5	035	4	12- 5	1	12- 5									
RW	5	036	1	9- 0	1	9- 0									
RW	5	037	1	8- 1	1	8- 1									
RW	5	038	1	8- 2	12	6- 8	1- 6								24°
RW	5	039	1	6- 8	1	6- 8									
RW	5	040	2	8- 5	12	6- 5	2- 0								24°
RW	5	041	1	4-10	1	4-10									
RW	5	042	1	SERIES	1	SERIES									
			SETS	6- 9		6- 9									
			OF	TO		TO									
			4	8- 7		8- 7									
RW	6	043	1	SERIES	1	SERIES									
			SETS	6- 9		6- 9									
			OF	TO		TO									
			4	8- 7		8- 7									
RW	5	044	1	3- 5	1	3- 5									
			TOTAL WEIGHT =			3715									

NOTES

1. FOR STANDARD BAR BENDING DETAILS, SEE SHEETS 14 243 & 15 243 .

NUMBER	REVISION	DATE:	BY:
1	SALVAGE PUMP STATION	1/06	MJZ

DESIGN AGENCY
URS
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

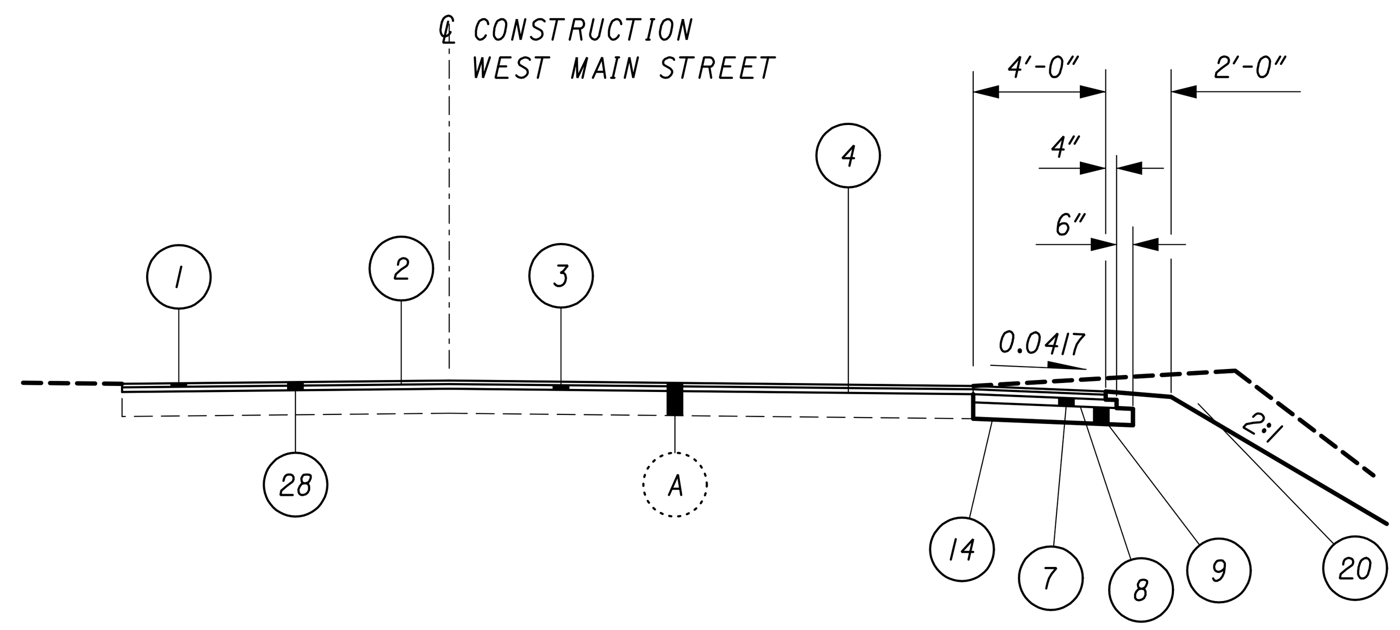
DESIGNED LNB | DRAWN GJW | REVIEWED KJR | DATE 1-06
CHECKED BER | REVISED | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

REINFORCING BAR LIST FOR RETAINING WALL

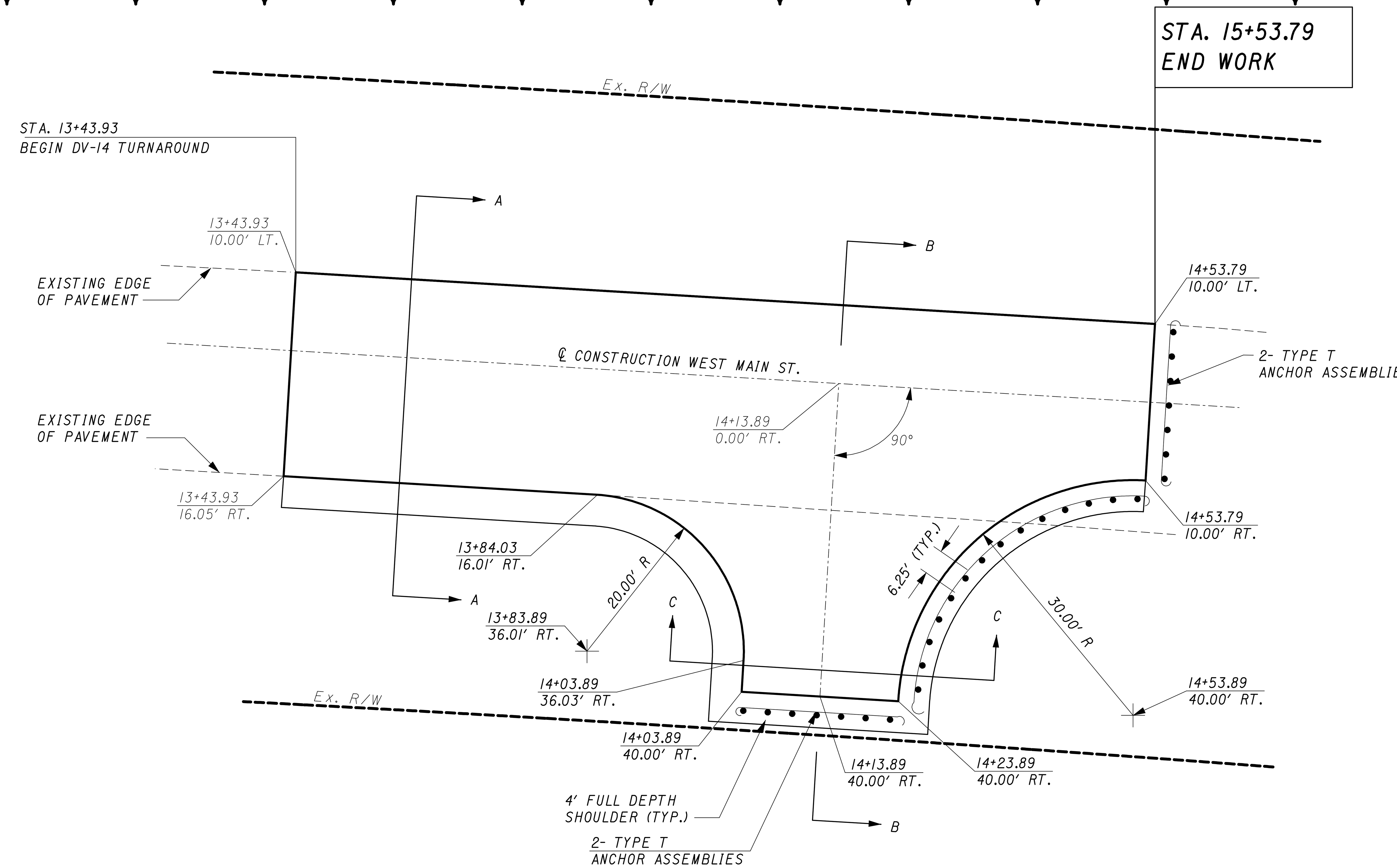
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

FOR CROSS SECTIONS SEE SHEET NO. 197-199.
FOR LEGEND SEE SHEET NO. 3.
FOR GUARDRAIL SEE SHEET NO. 145.
FOR PROFILE SEE SHEET NO. 217.

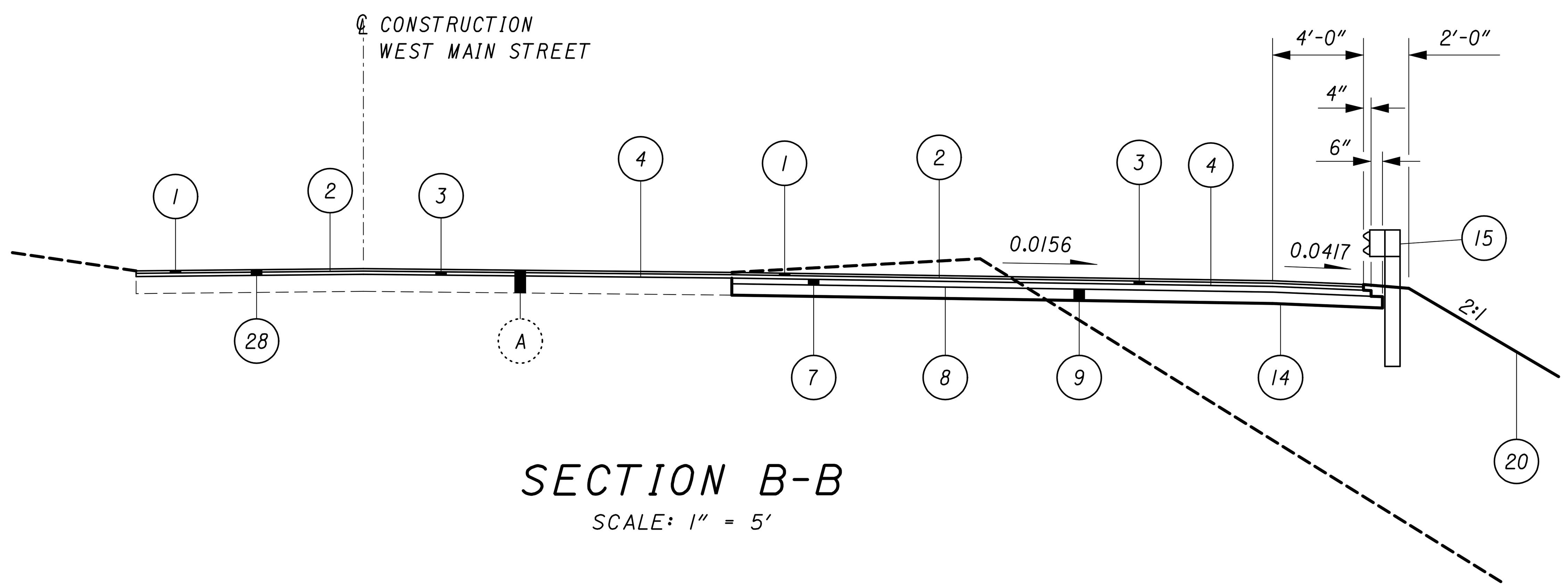


SECTION A-A
SCALE: 1" = 5'

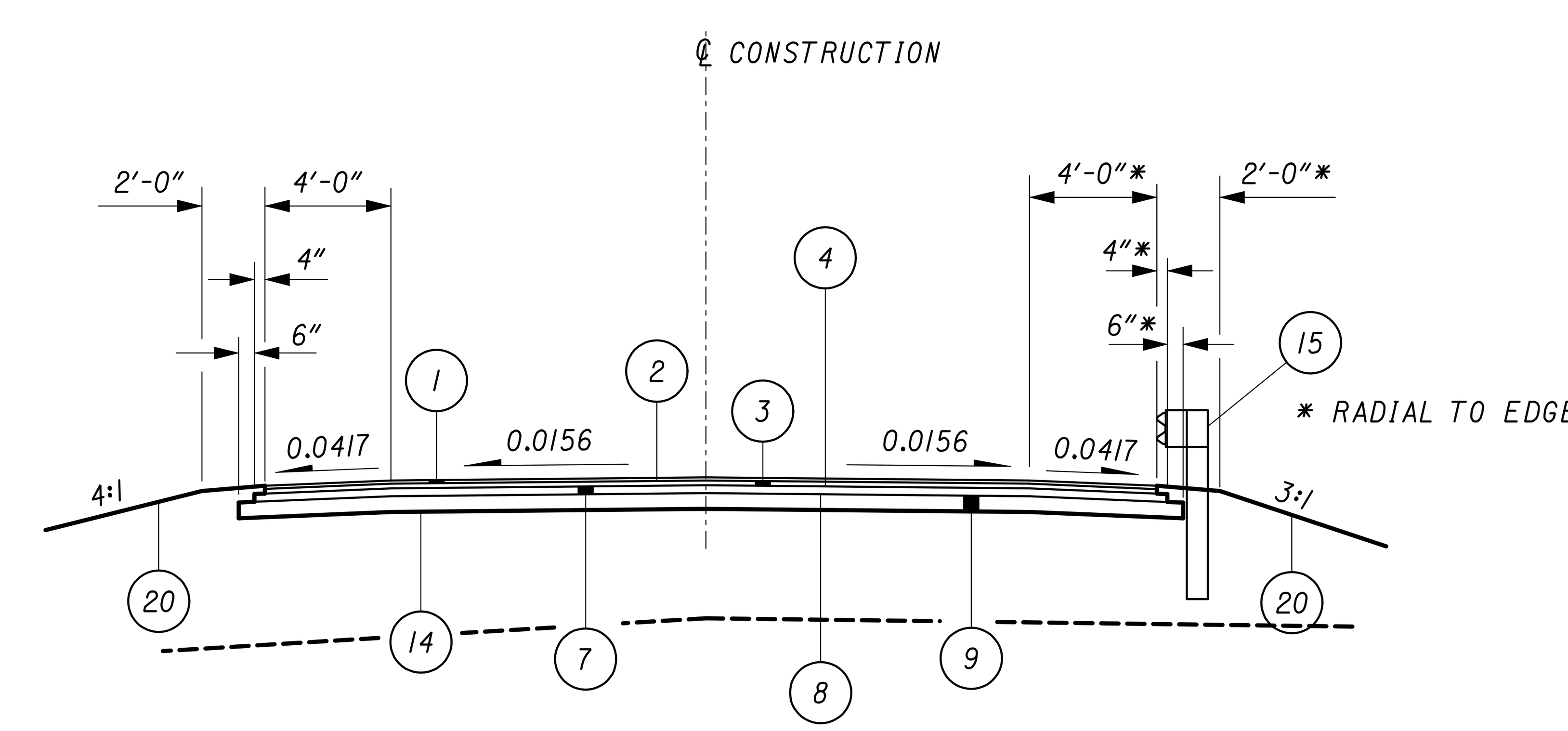


DV 14 TURNAROUND, STA. 14+13.89, WEST MAIN ST.
SCALE: 1" = 10'

(PROPOSED GUARDRAIL AND GUARDRAIL REMOVAL OMITTED FOR CLARITY. SEE SHEET NO. 145)



SECTION B-B
SCALE: 1" = 5'



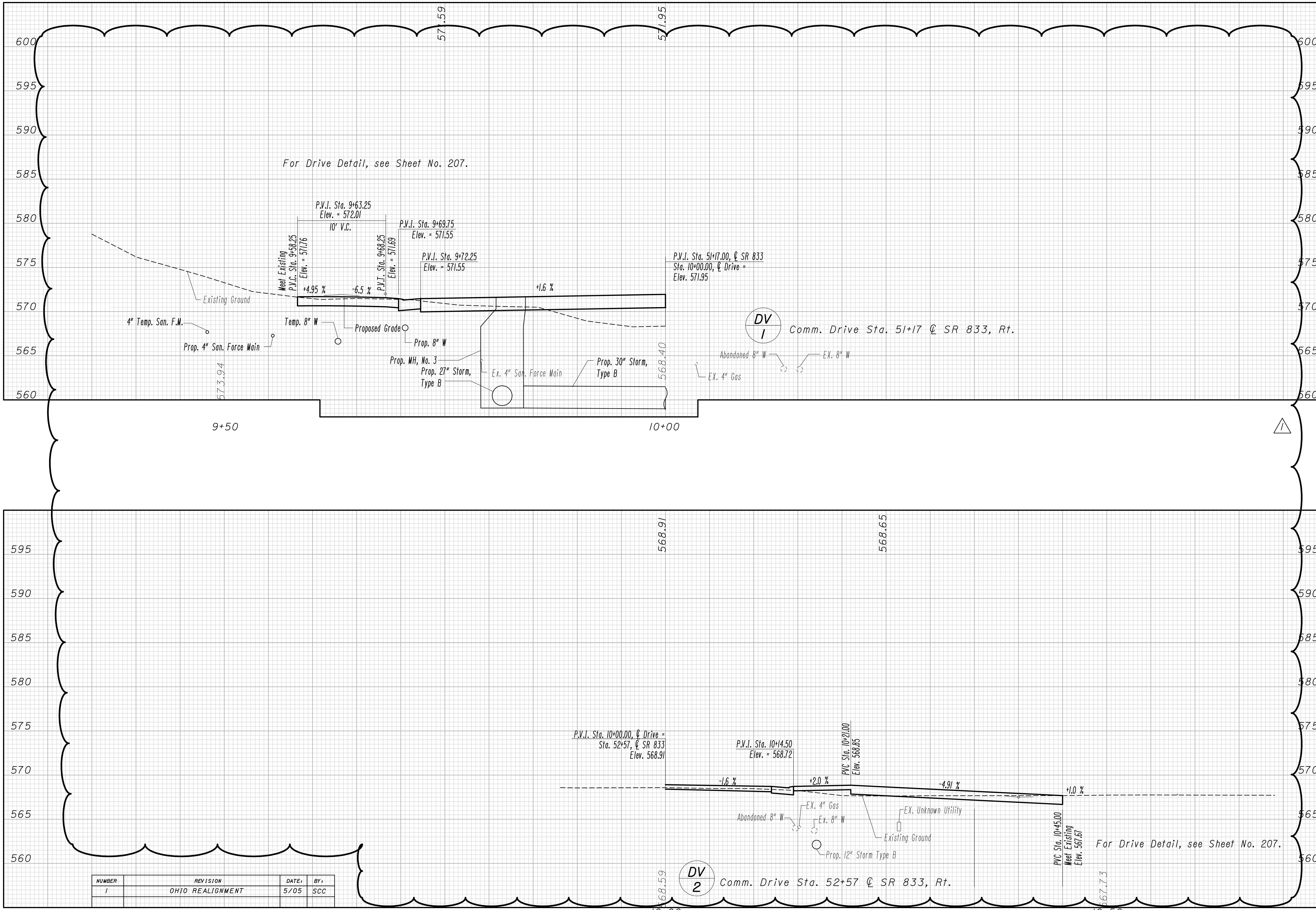
SECTION C-C
SCALE: 1" = 5'

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED E.F. CHECKED AM

TURNAROUND DETAILS - WEST MAIN ST

MEG-33-15.70



NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED JGB
CHECKED AM

DRIVEWAY PROFILES

MEG-33-15.70

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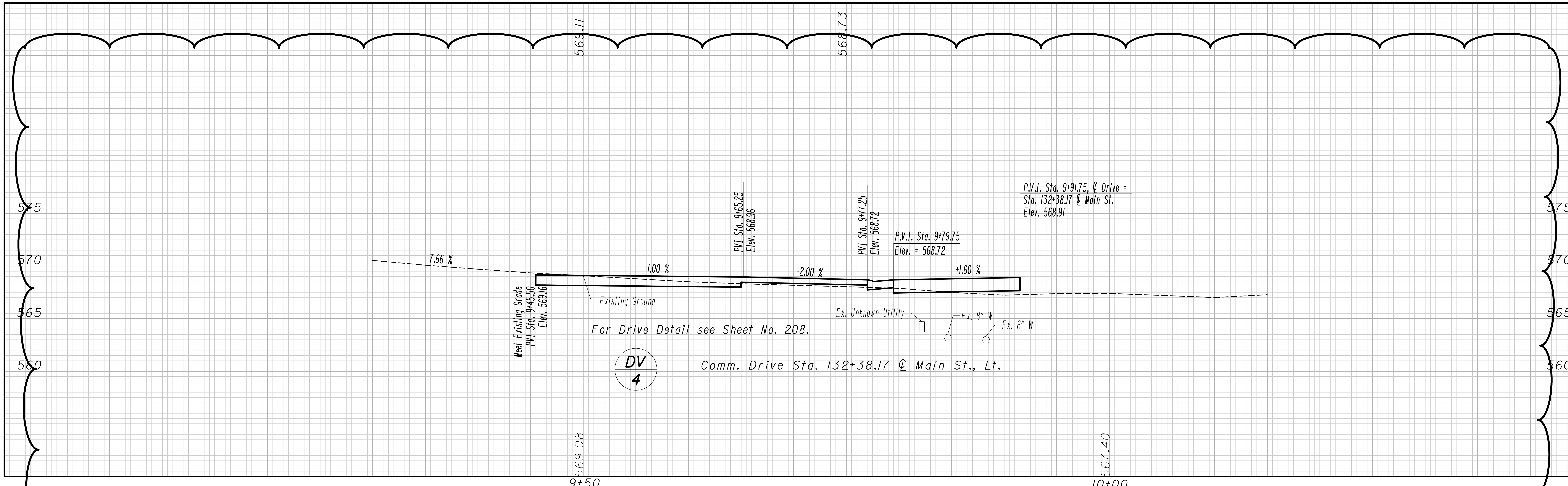
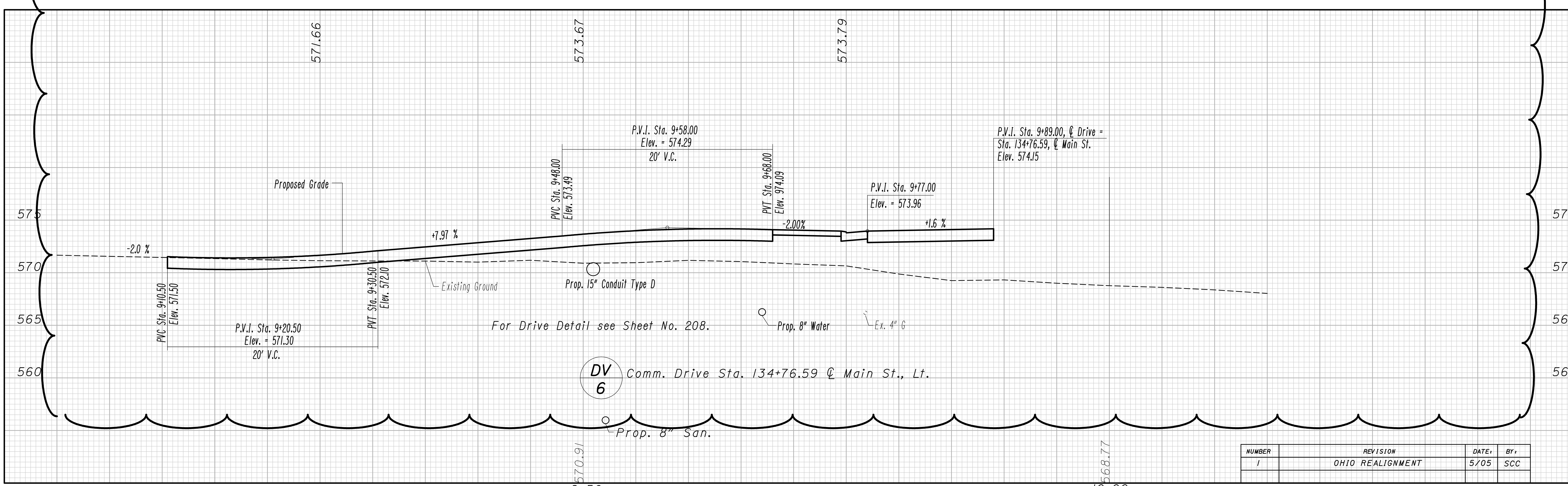


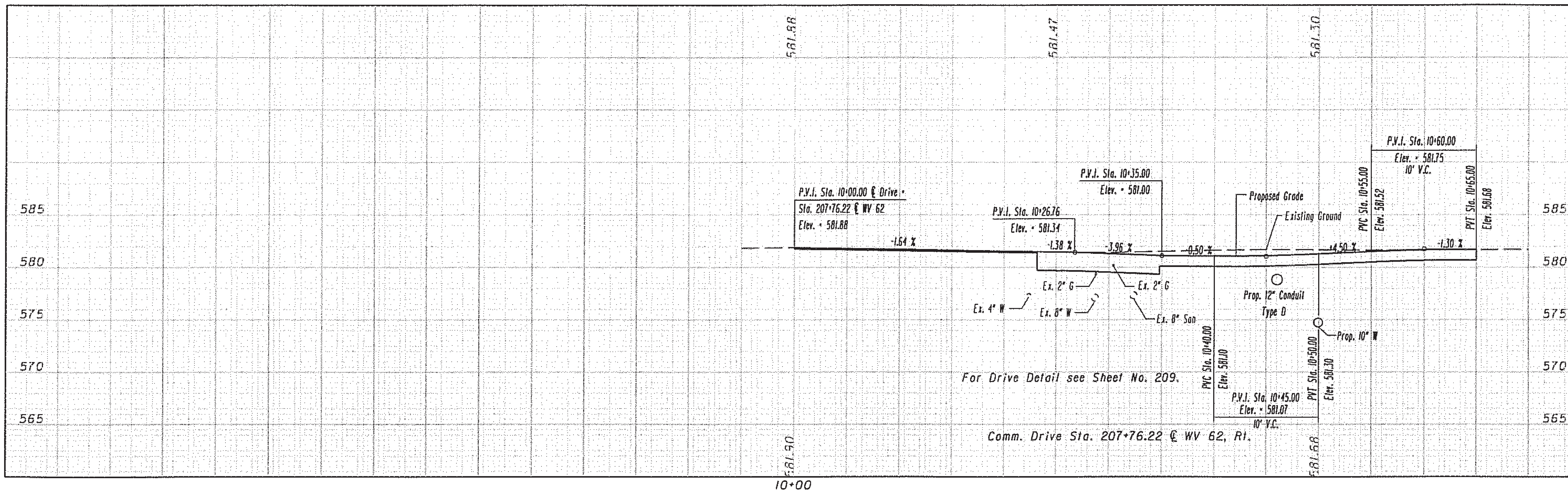


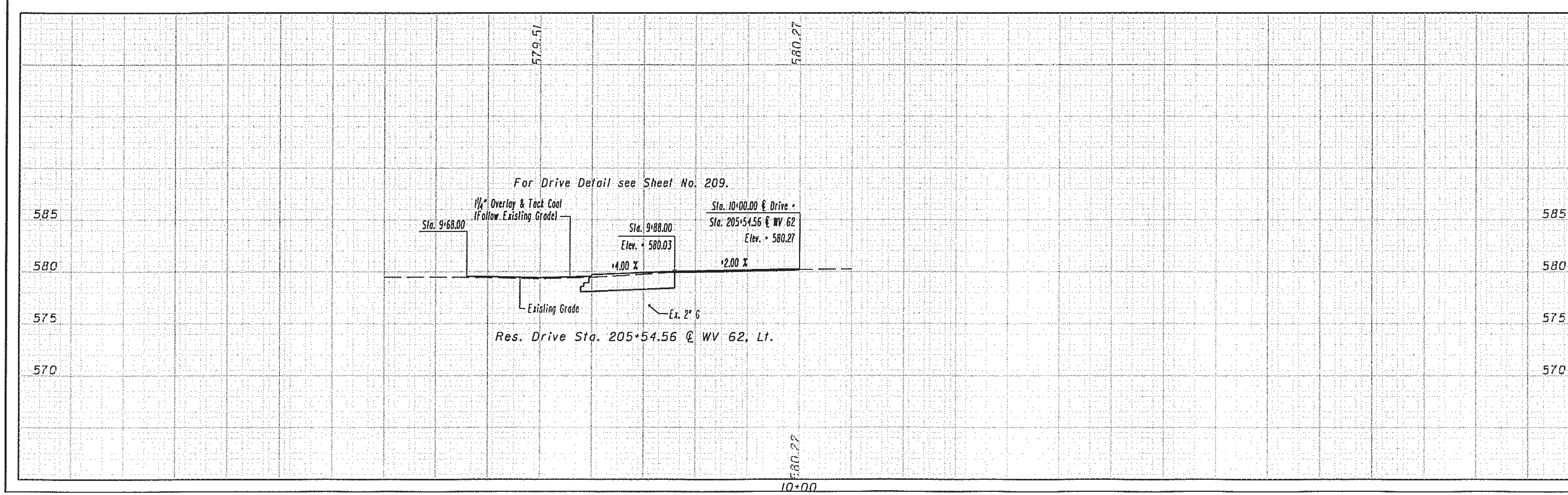
NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED JGB
CHECKED AM

DRIVEWAY PROFILES

MEG-33-15.70



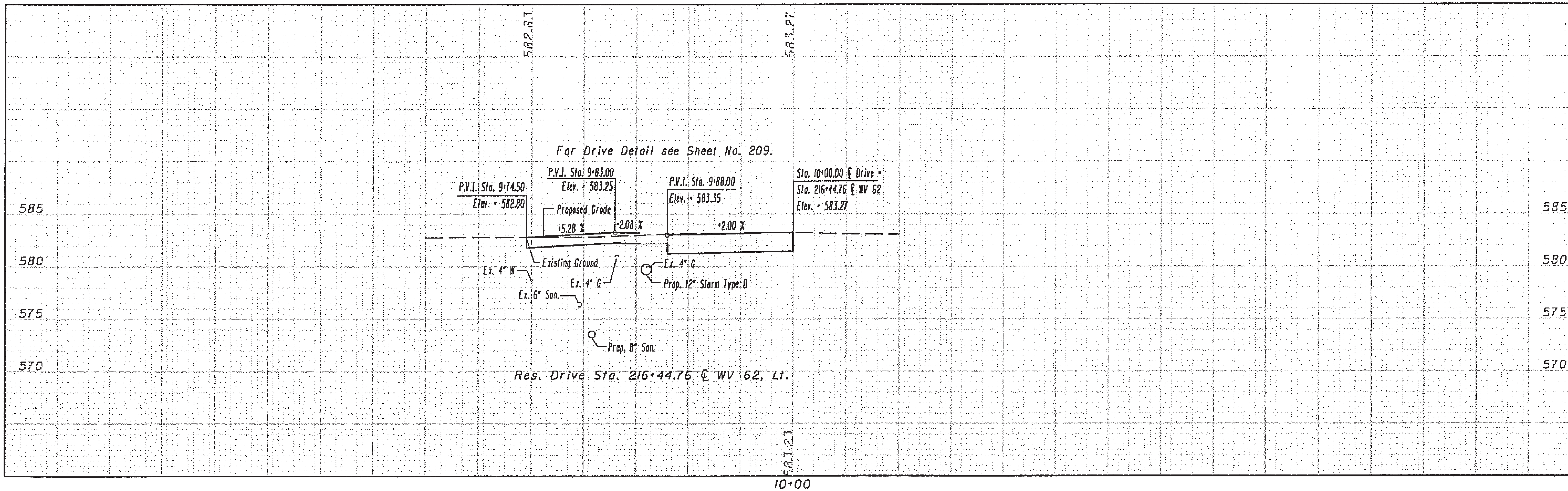


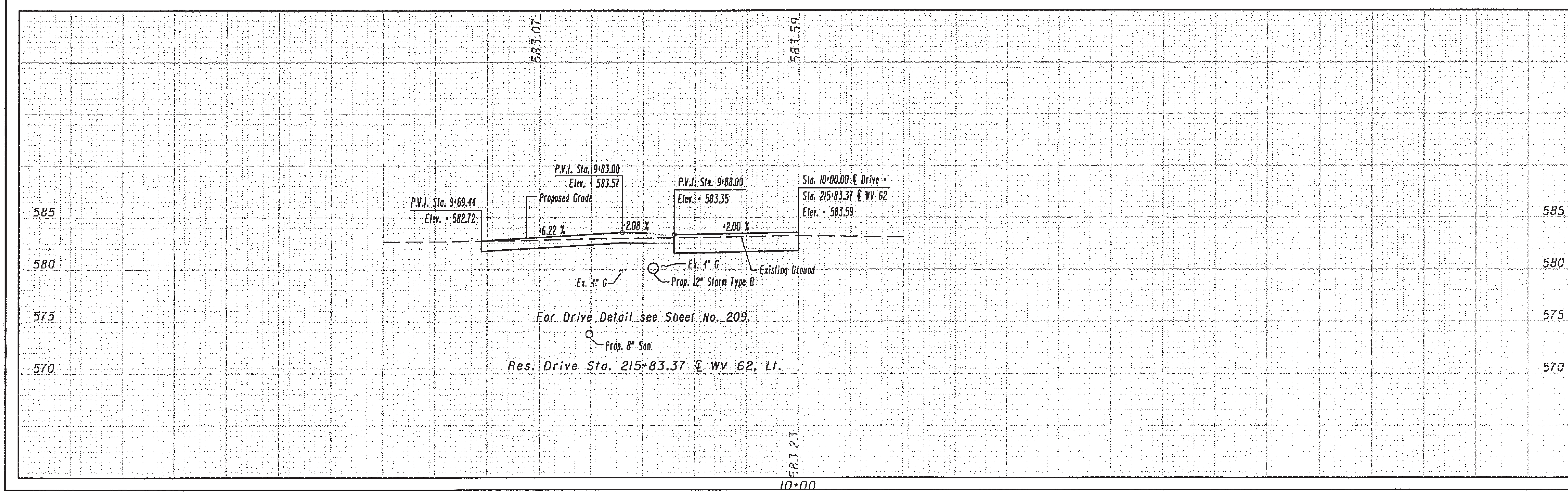
CALCULATED JGB
CHECKED AM

DRIVEWAY PROFILES

MEG-33-15.70

214/582

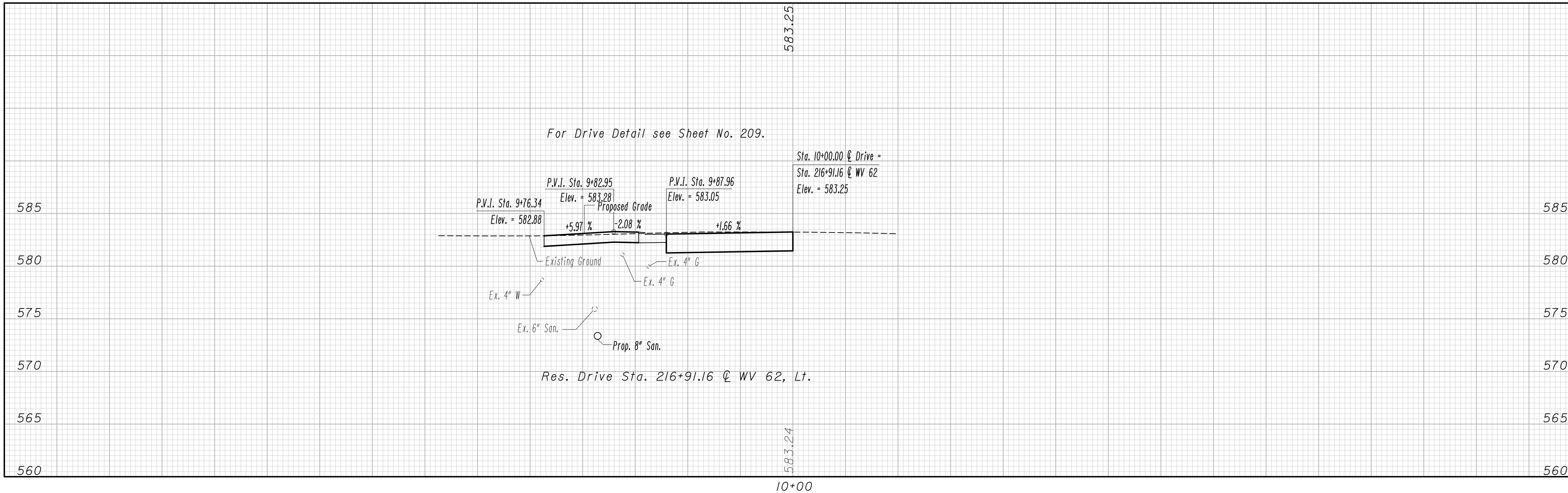


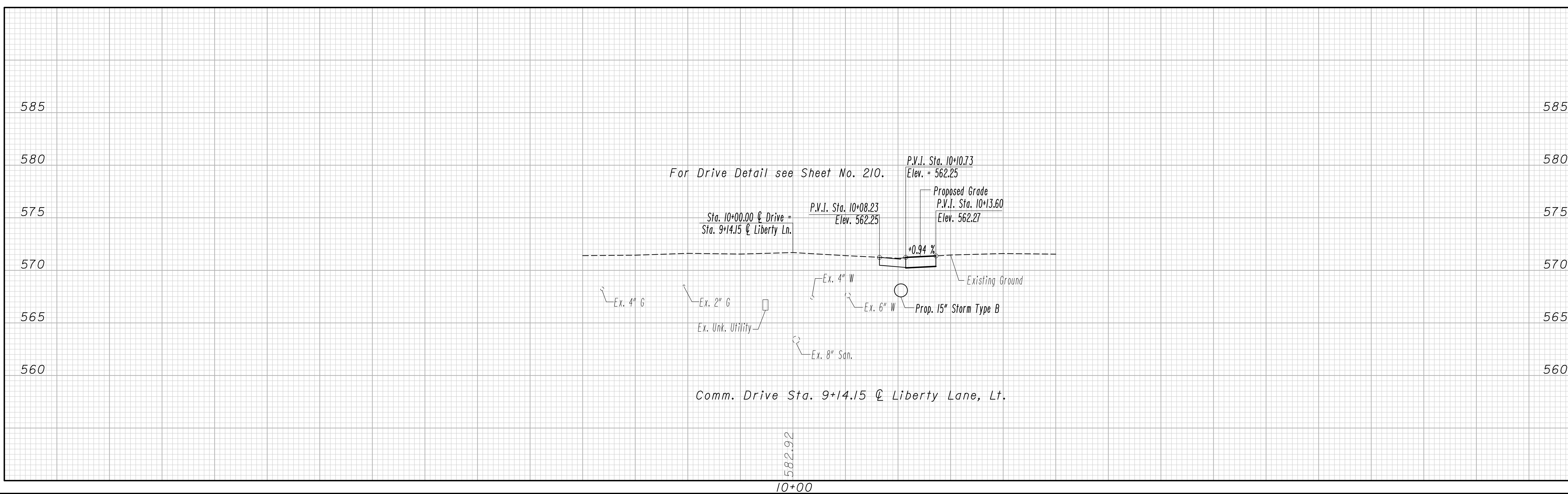


CALCULATED JCB
CHECKED AH

DRIVEWAY PROFILES

MEG-33-15.70





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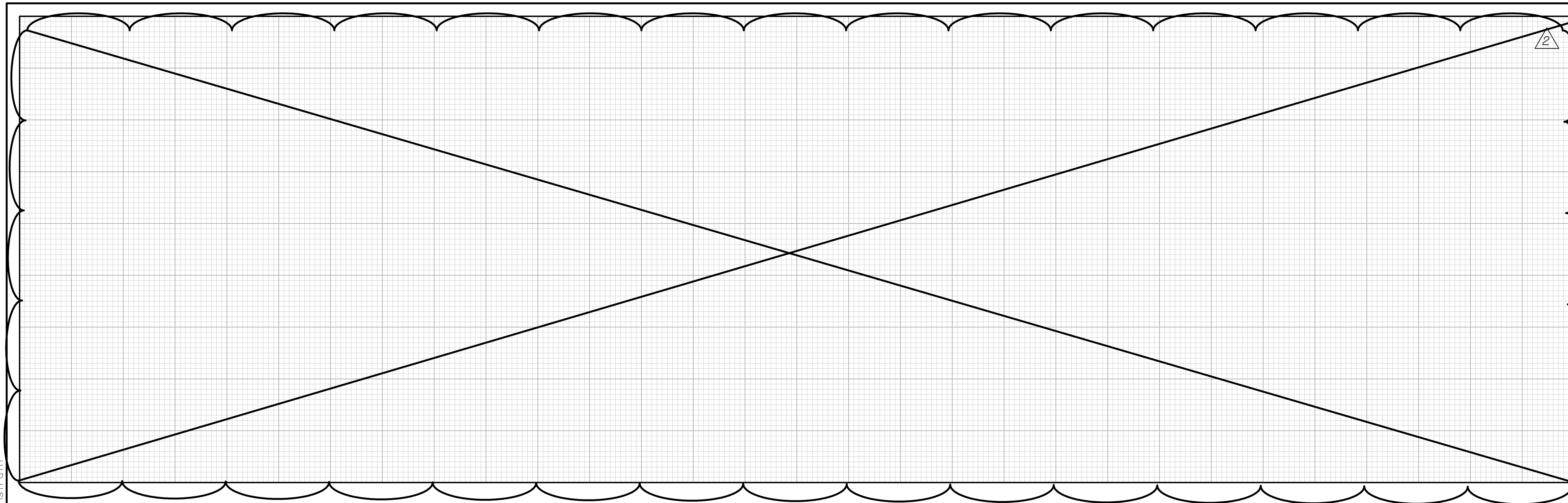
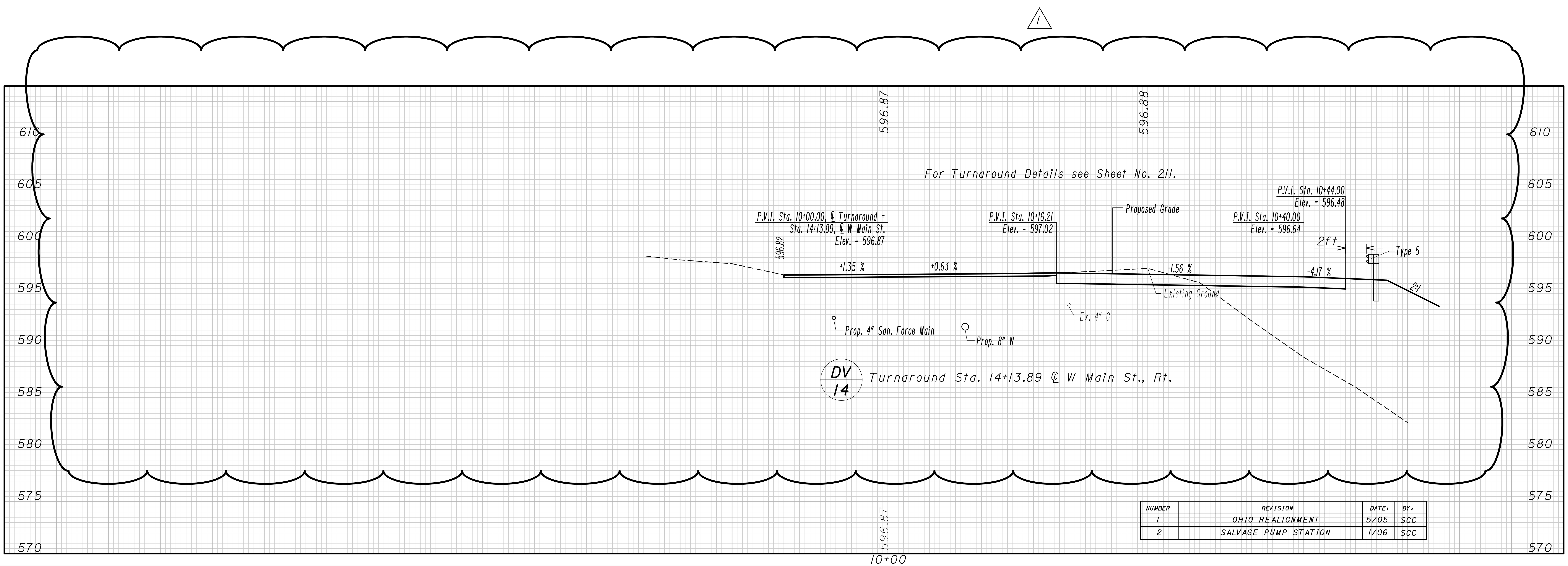
CALCULATED JGB
CHECKED AM

DRIVEWAY PROFILES

MEG-33-15.70



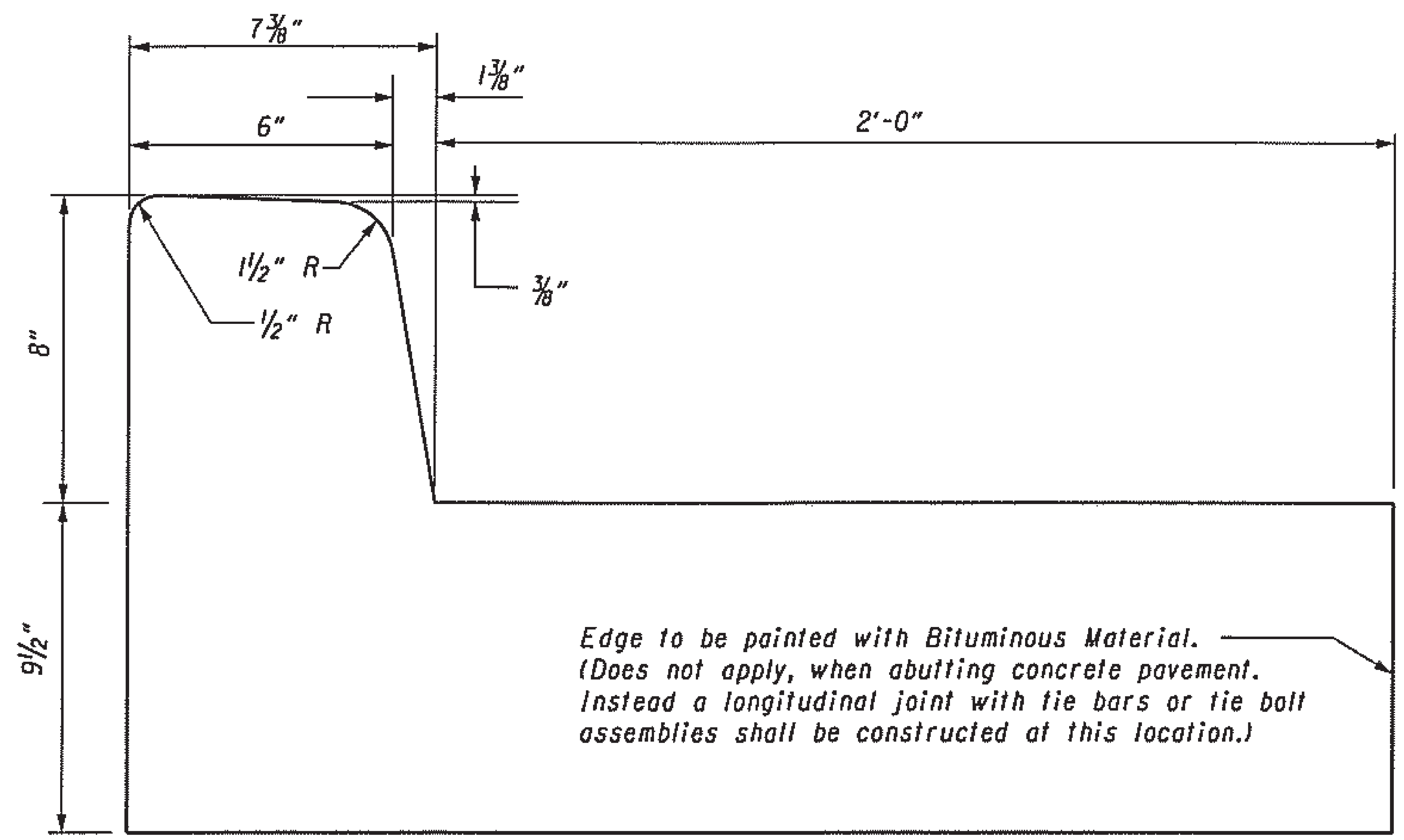


NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC
2	SALVAGE PUMP STATION	1/06	SCC

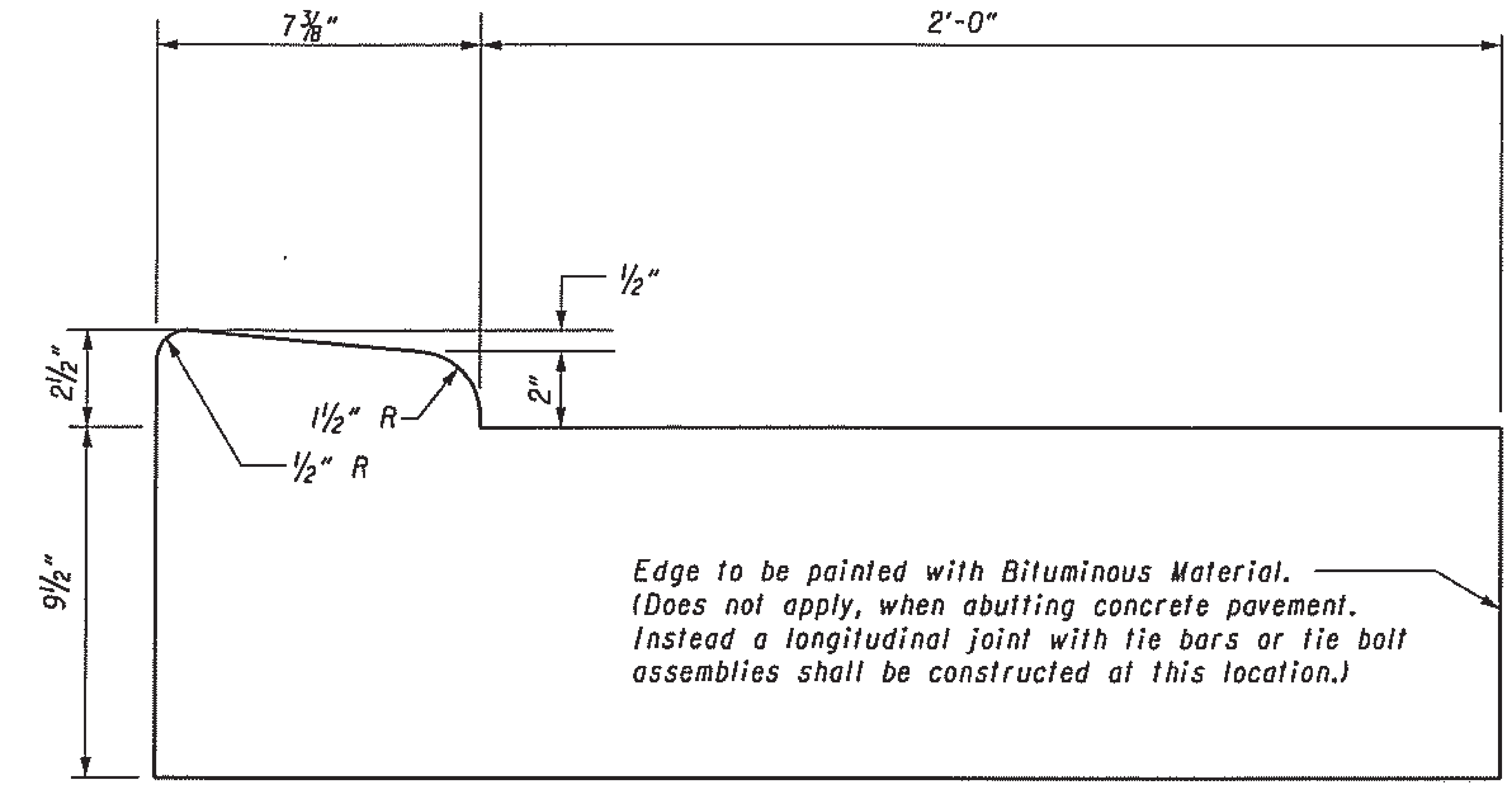
CALCULATED JGB
CHECKED AM

DRIVEWAY PROFILES

MEG-33-15.70



ITEM SPECIAL, MISC.: COMBINATION CONCRETE CURB
AND GUTTER, TYPE I (WVDOH), AS PER PLAN



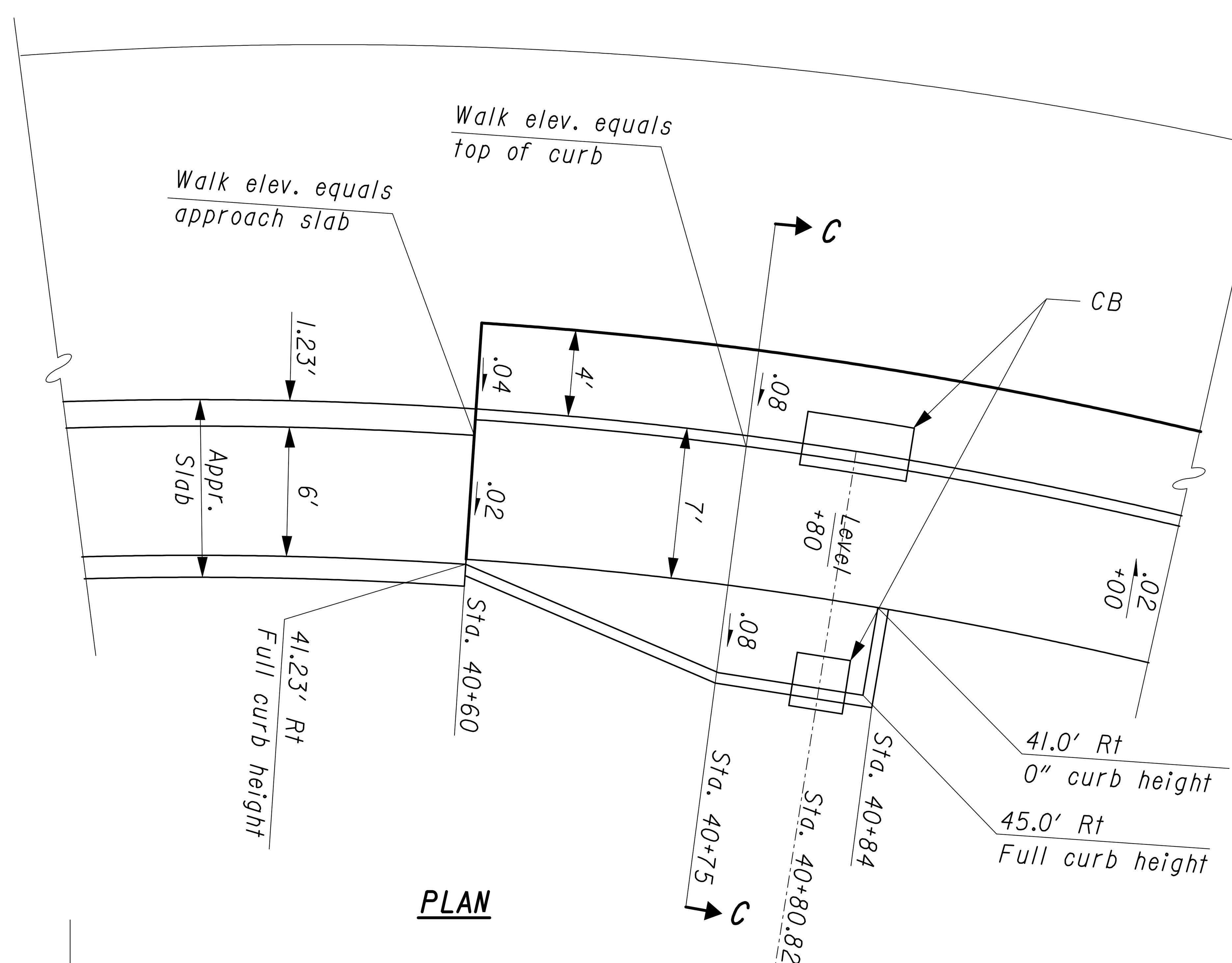
ITEM SPECIAL, MISC.: COMBINATION CONCRETE CURB
AND GUTTER, TYPE IV (WVDOH), AS PER PLAN

NOTE
For Combination Concrete Curbs And Gutters, the slope of the 2'-0" wide concrete gutter shall conform to the pavement slope or as otherwise specified on the Plans.

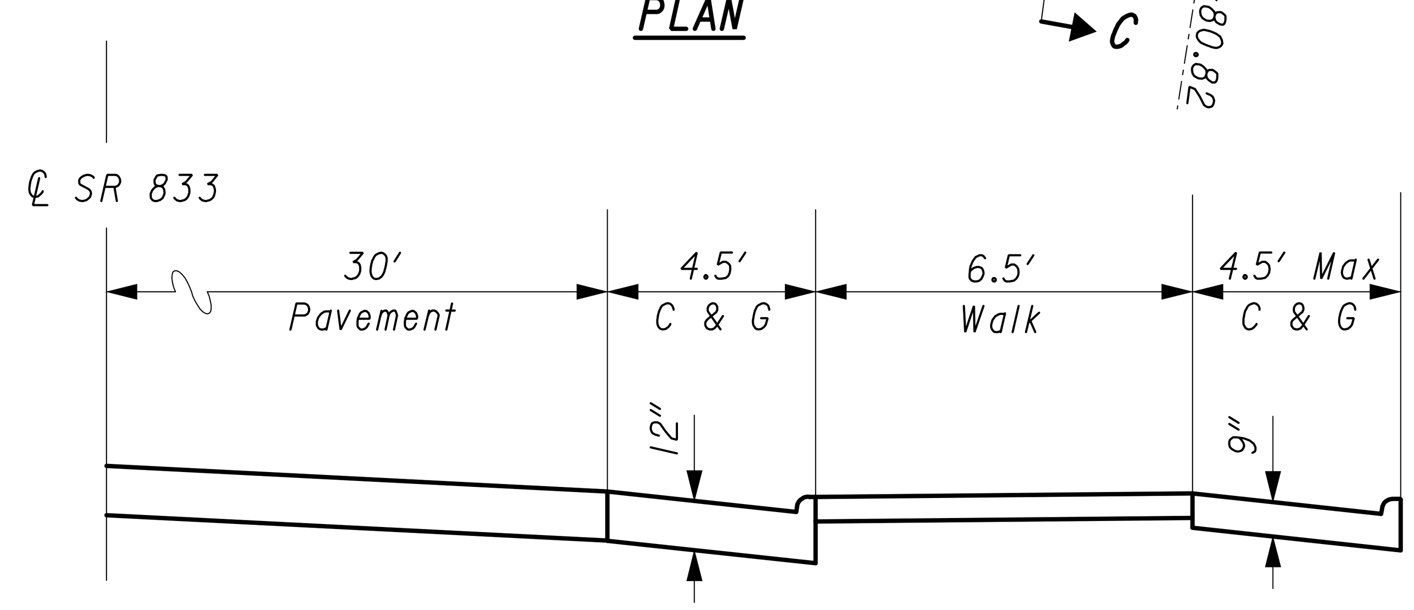
CALCULATED JAG
CHECKED AM

MISCELLANEOUS DETAILS

MEG-33-15.70

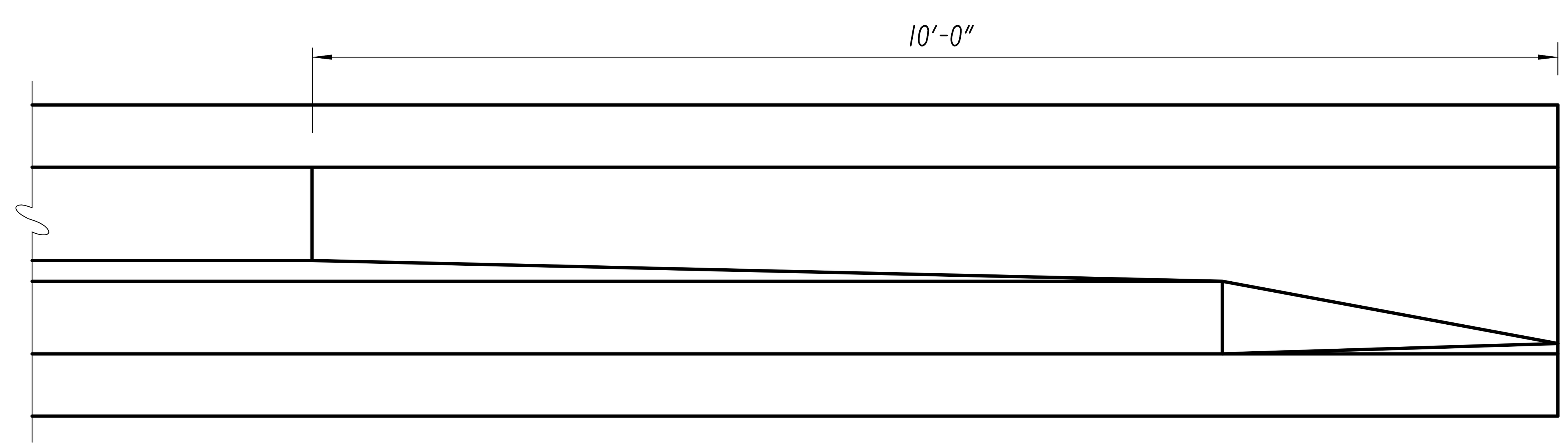


PLAN

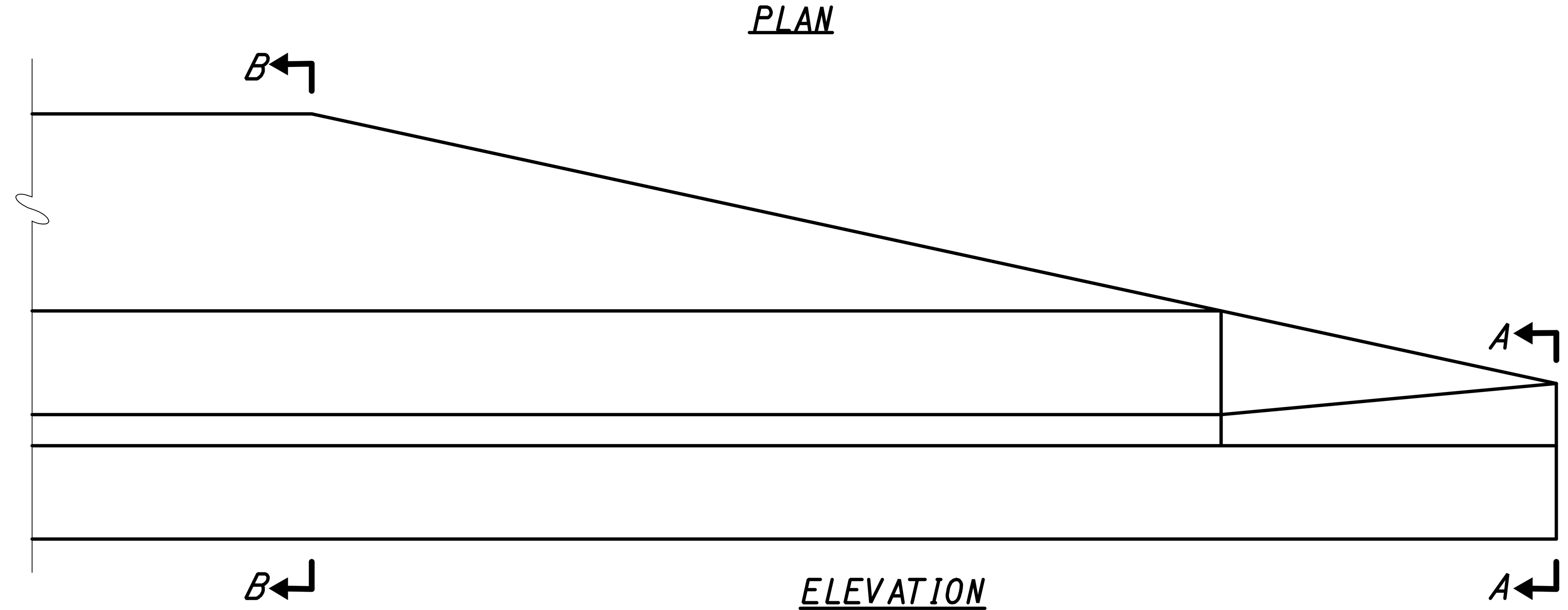


SECTION C-C

WALK DRAIN AT APPROACH SLAB

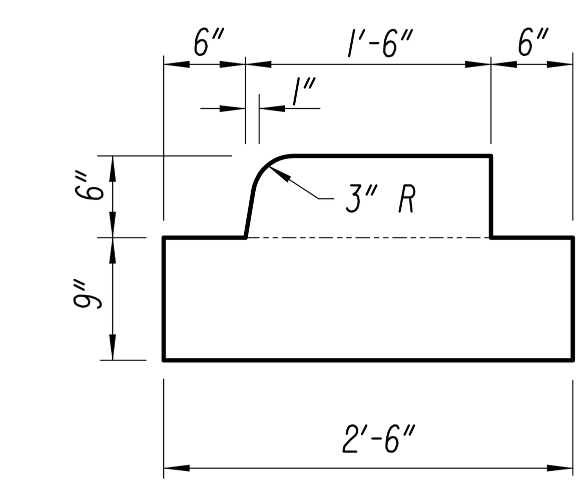


PLAN

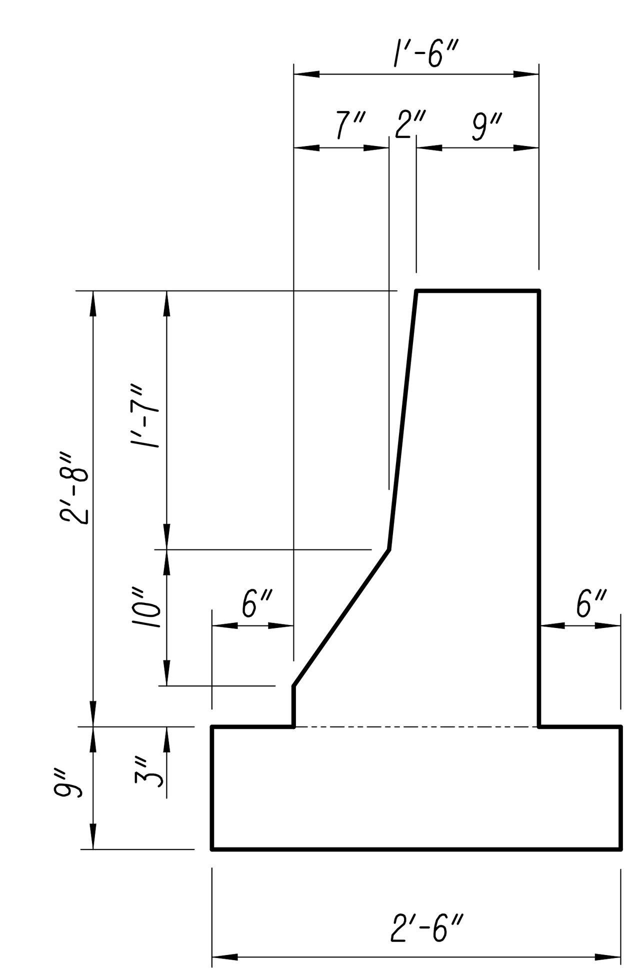


ELEVATION

CONC. BARRIER, TYPE D TAPERED END



SECTION A-A



SECTION B-B

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED SCC
CHECKED

MISCELLANEOUS DETAILS

MEG-33-15.70

1

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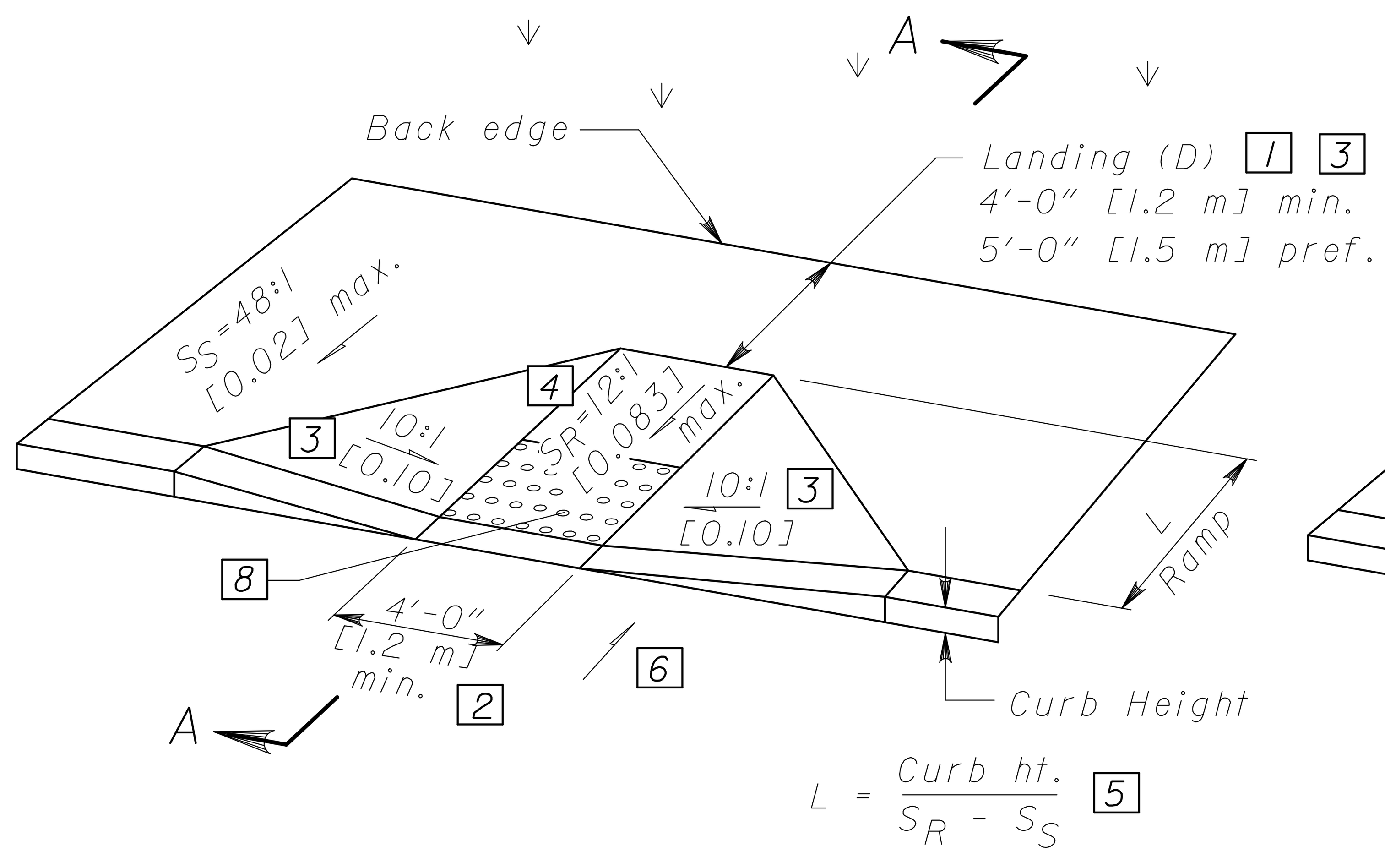
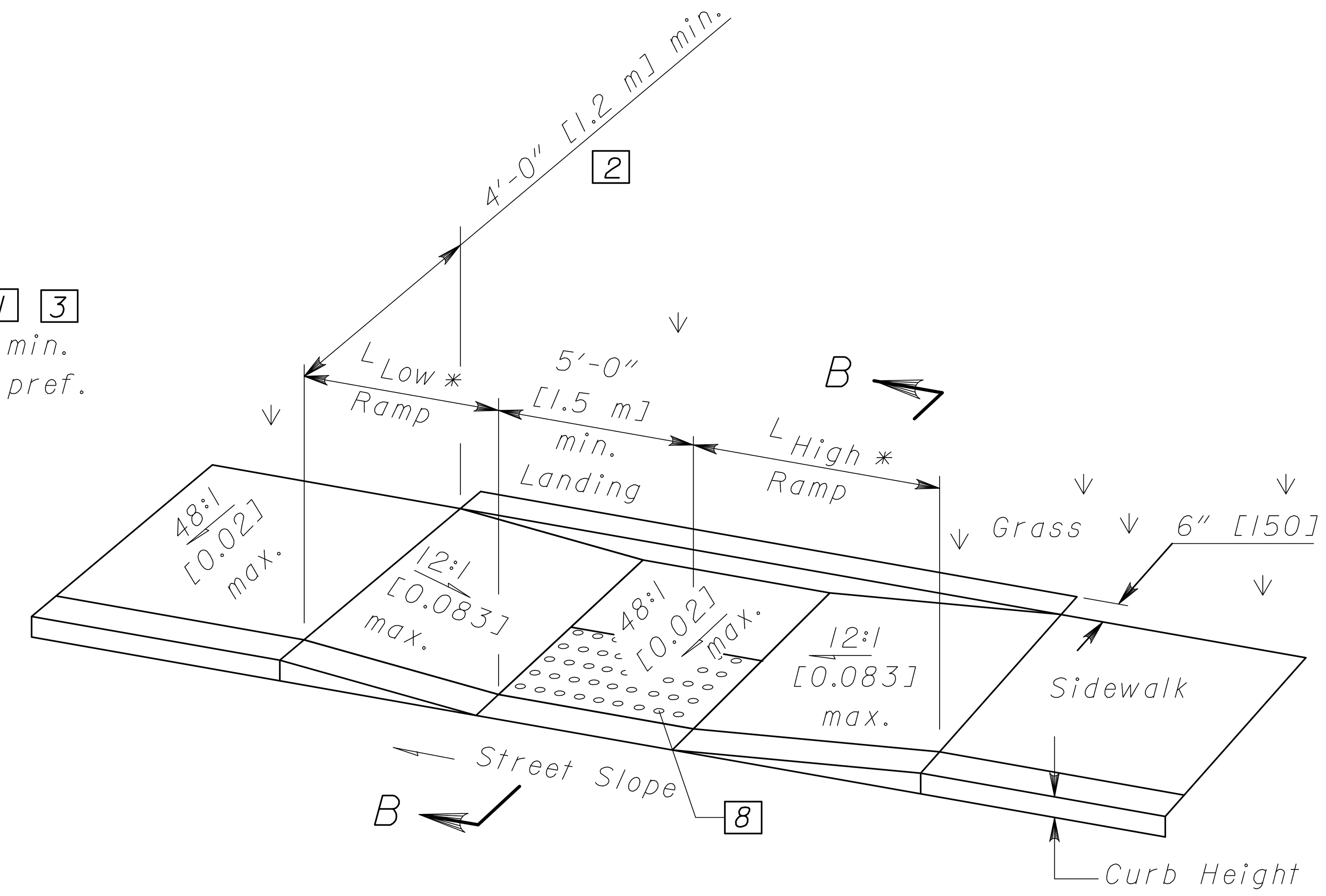


See Sht. 3/3 for SECTION A-A

PERPENDICULAR CURB RAMP DETAIL



See Sht. 3/3 for SECTION B-B

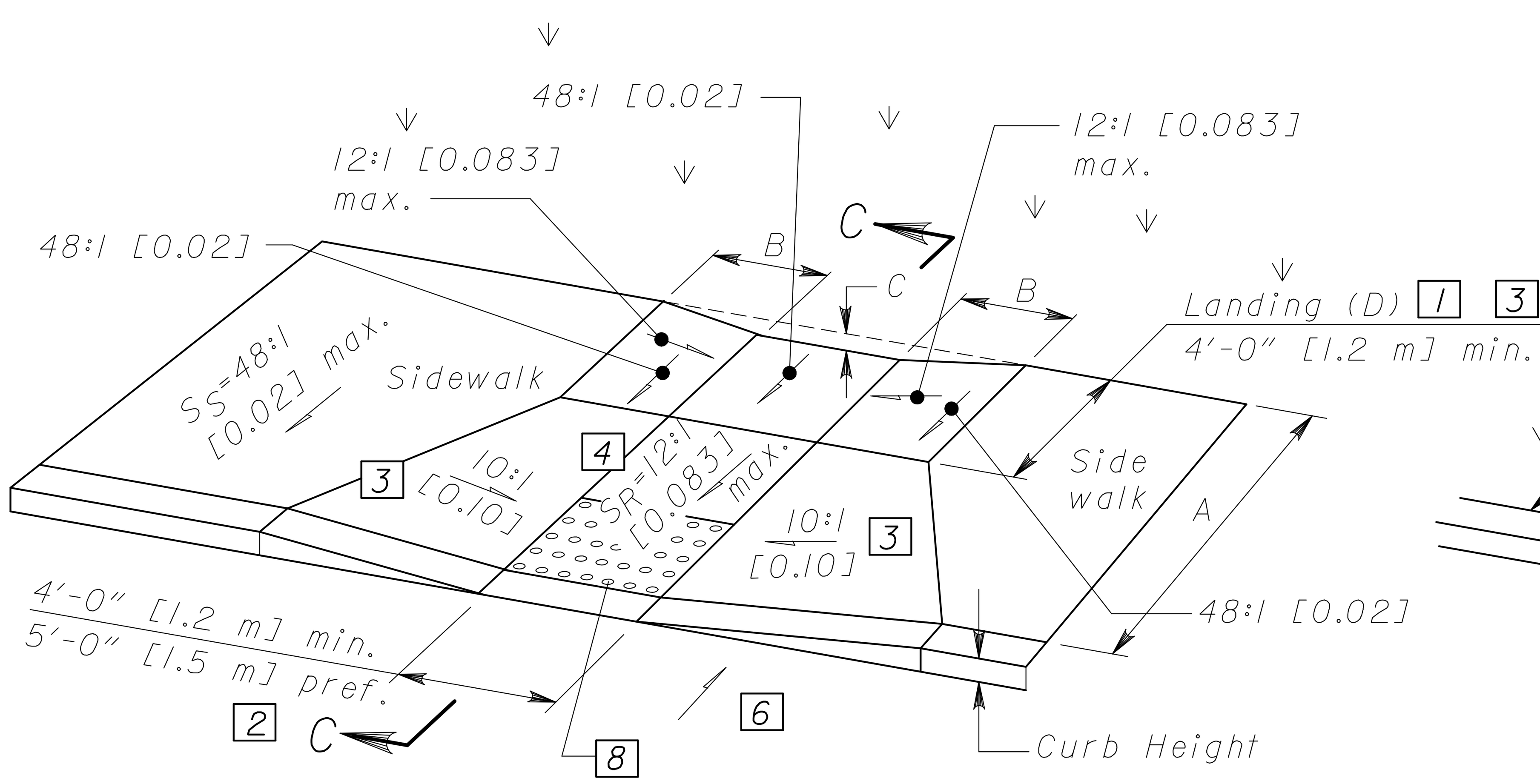
PARALLEL CURB RAMP DETAIL (DOUBLE)

Street Slope	Ramp Length @ 1"/ft [0.083]	
	$L_{LOW\ SIDE}$ *	$L_{HIGH\ SIDE}$ *
0.01	5'-6" [1.7 m]	7'-2" [2.2 m]
0.02	5'-0" [1.5 m]	8'-4" [2.5 m]
0.03	4'-6" [1.4 m]	10'-0" [3.0 m]
0.04	4'-2" [1.3 m]	12'-6" [3.8 m]
0.05	3'-10" [1.2 m]	16'-8" [5.1 m]

* Measured along the back of a 6" [150] high curb.

$$L_{HIGH} = \frac{\text{Curb ht.}}{0.083 - \text{Street Slope}} \quad \boxed{7}$$

$$L_{LOW} = \frac{\text{Curb ht.}}{0.083 + \text{Street Slope}} \quad \boxed{7}$$

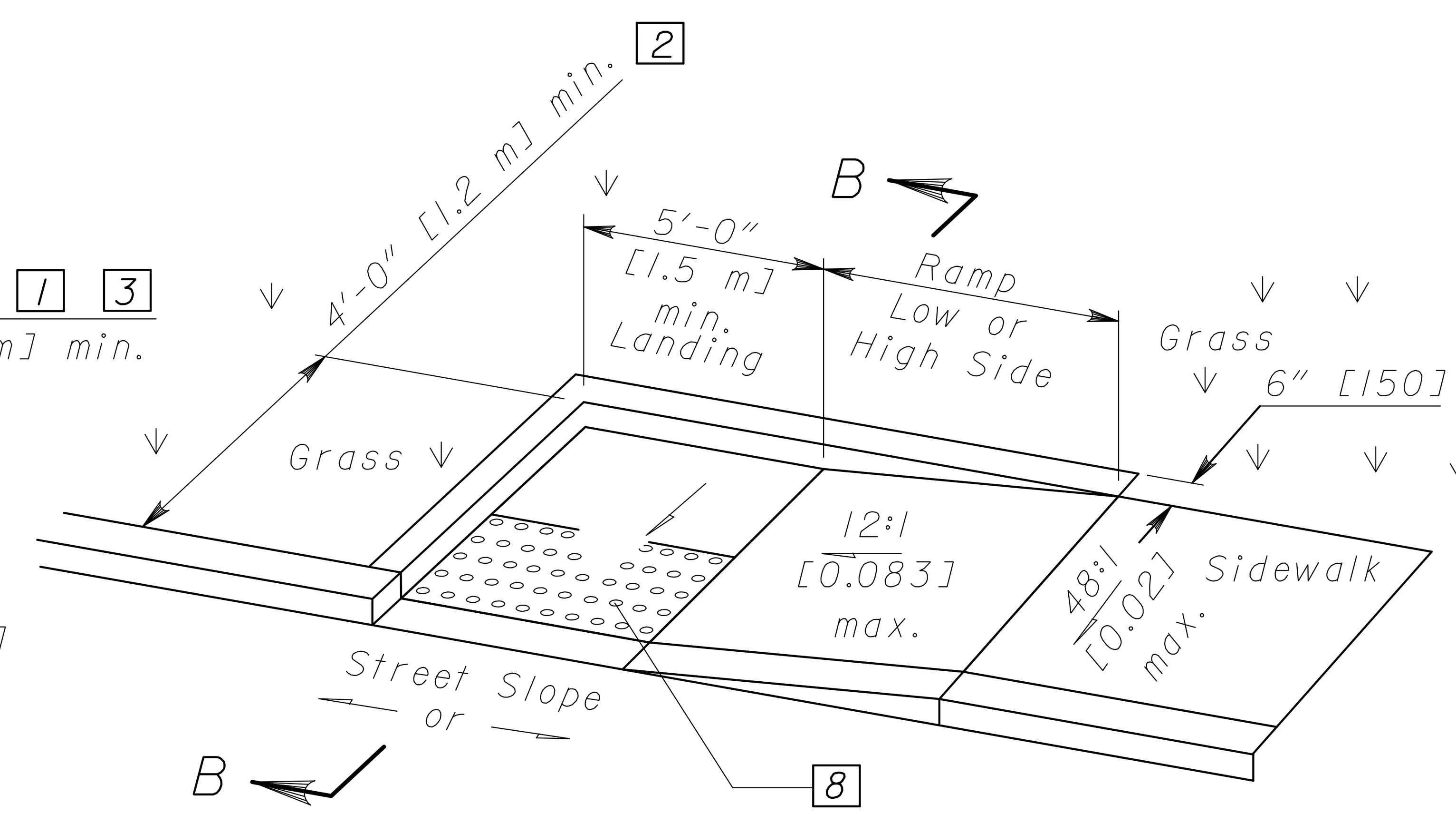


See Sht. 3/3 for SECTION C-C

COMBINED CURB RAMP DETAIL

B = C / 0.083

C = [Curb ht. + A(S_S)] - [(A-D)S_R + D(0.02)]



See Sht. 3/3 for SECTION B-B

PARALLEL CURB RAMP DETAIL (SINGLE)

LEGEND

1 May be reduced to 3'-0" [915] in existing sidewalks if the landing is unconstrained along the back edge.

2 May be reduced to 3'-4" [1.02 m] in existing sidewalks to better fit the walk configuration or where site conditions are restricted by narrow walks, pole foundations, drainage inlets, etc. The width may be tapered.

3 Where landing width (D) has been reduced to 3'-0" [915] the flared sides shall have a maximum slope of 12:1 [0.083].

Flared sides are not required where the edges of a curb ramp are protected by landscaping or other barriers to travel by wheel chair users or pedestrians across the edge of the curb ramp. However, if the flared sides are used in these areas, they may be of any slope.

The slope of the ramp toward the curb is preferred to be 12:1 [0.083] or flatter related to the horizontal, but the maximum slope shall be 12:1 [0.083] relative to the existing or proposed walk slope.

In existing sidewalks, where the maximum ramp slope (S_R) is not feasible, it may be reduced as follows:

A) 10:1 [0.10] for a max. rise of 6" [150],
B) 8:1 [0.125] for a max. rise of 3" [75],
C) 6:1 [0.167] over a max. run of 2'-0" [610] for historic areas where a flatter slope is not feasible.

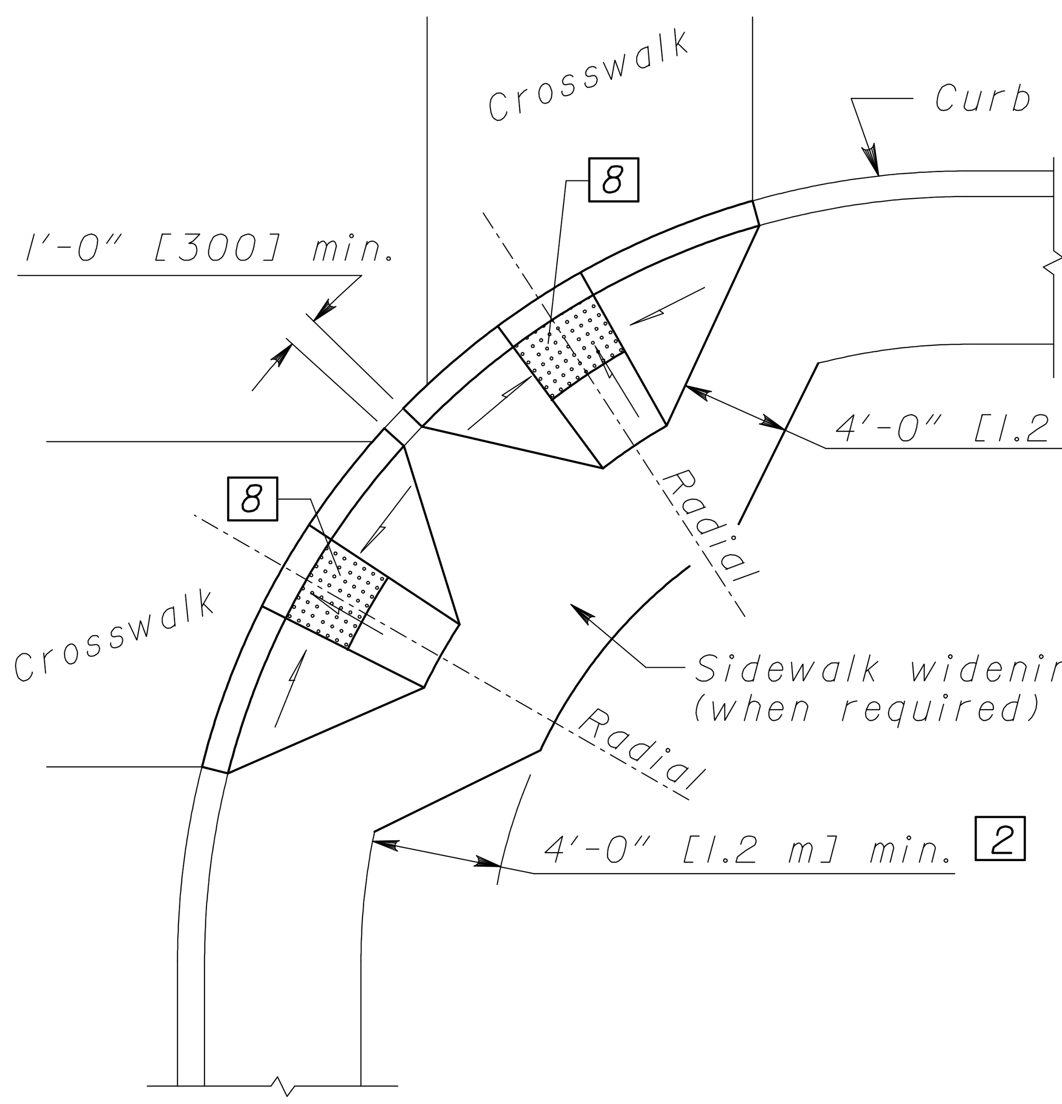
5 The minimum length of a perpendicular ramp is 6' [2.0 m] from the back of a 6" [150] curb and may be increased where feasible to obtain a flatter ramp slope or to better blend with the walk configuration.

6 Gutter counter slopes at the foot of perpendicular curb ramps should not exceed 20:1 [0.05] over a distance of 2'-0" [610] from the curb.

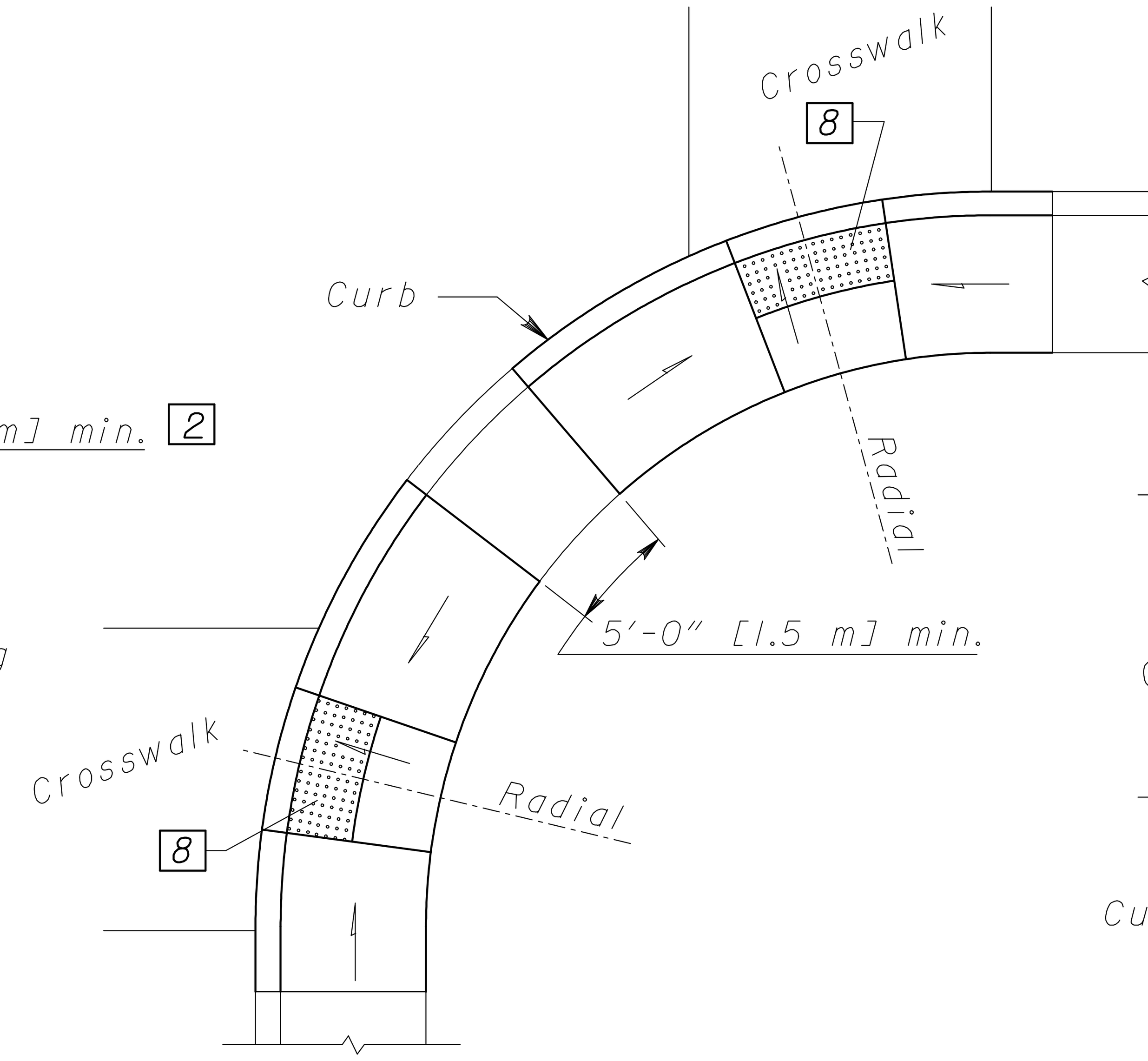
7 Dimensions derived by equation are nominal. Construct ramps to meet required slopes and existing conditions.

8 Detectable Warnings (truncated domes) are to be installed in the location shown. Dimensions of the domes are 24" [610] from the back of the curb by the width of the ramp. See NOTES on sheet 3.

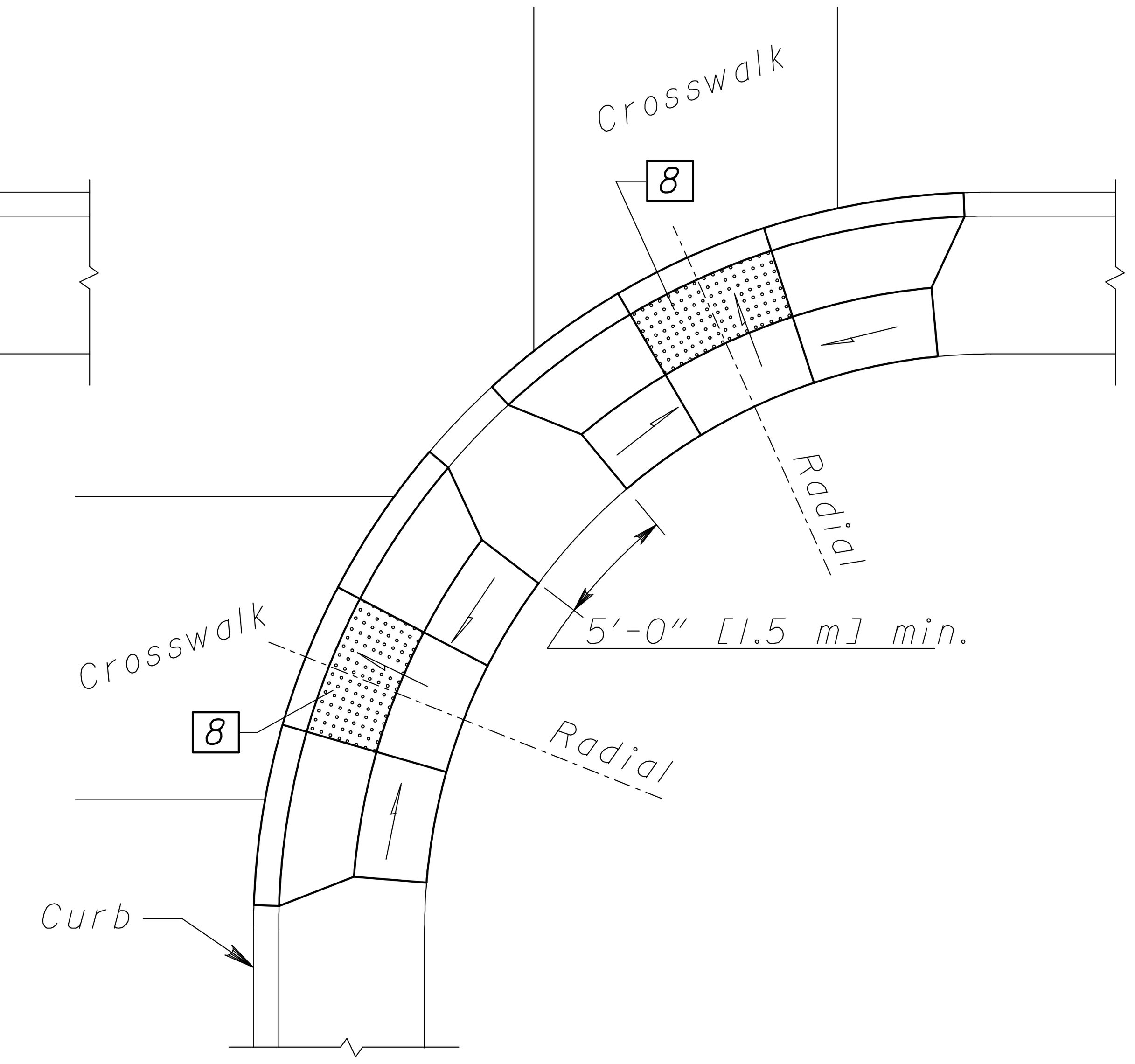
CORNER CURB RAMP DESIGNS



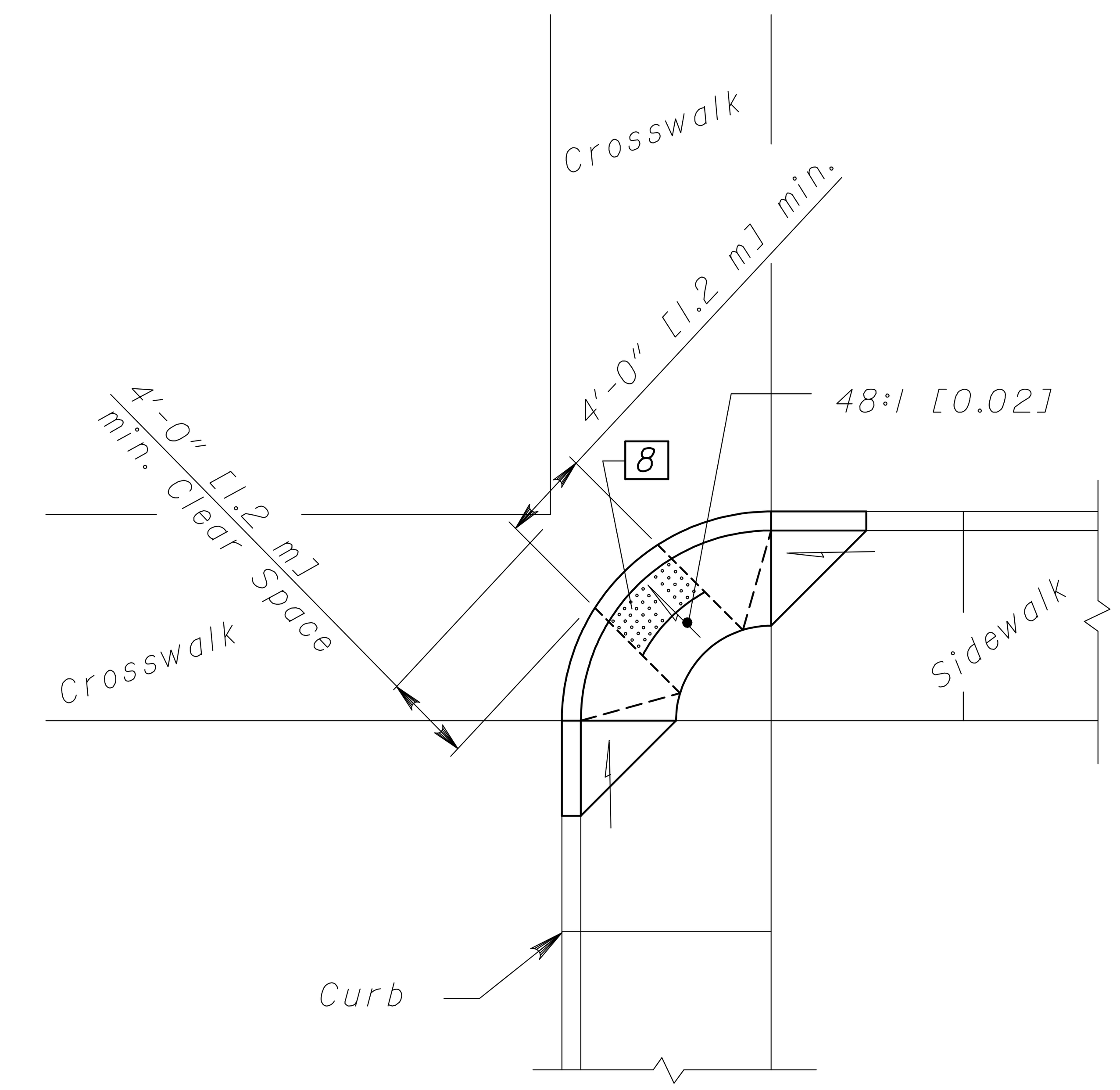
DESIGN A
PERPENDICULAR RAMP



DESIGN B
PARALLEL RAMP



DESIGN C
COMBINATION RAMP

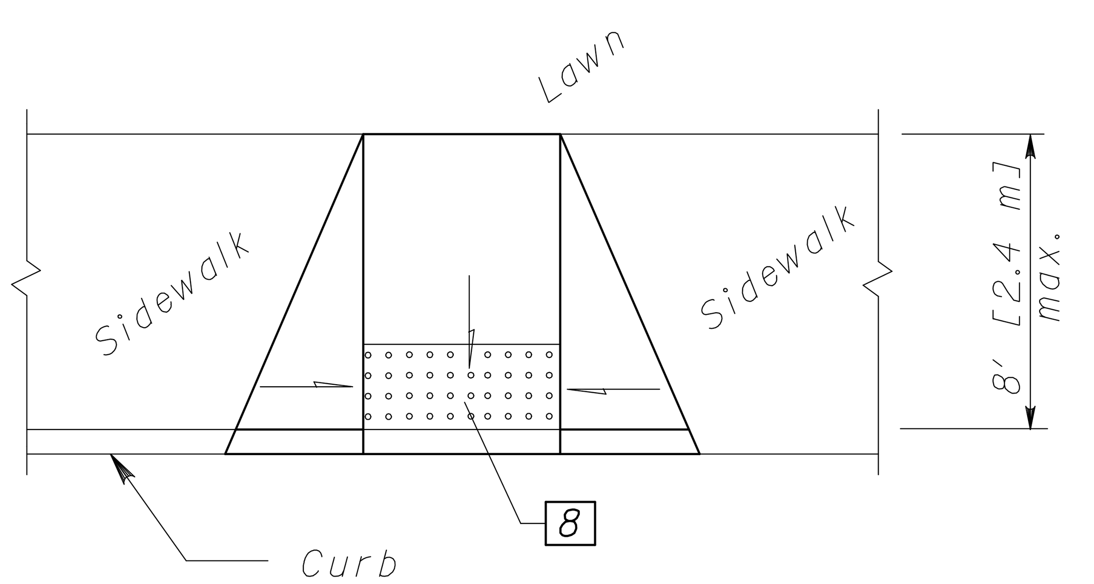


DESIGN D
DIAGONAL RAMP

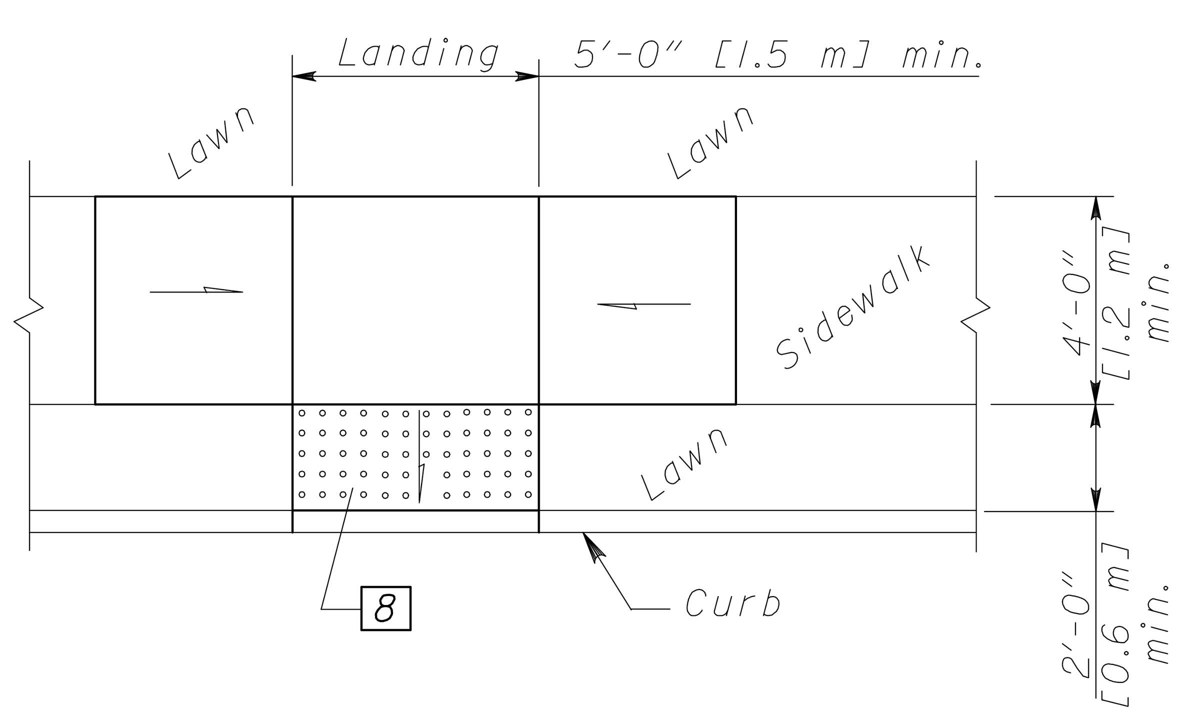
Use in existing walks only and when site constraints prohibit other designs. The diagonal ramp may be perpendcular, parallel or combination.
Avoid using where curb radii are less than 20'-0" [6.0 m].

(See Curb Ramp Details on Sht. 1/3 for additional requirements.)

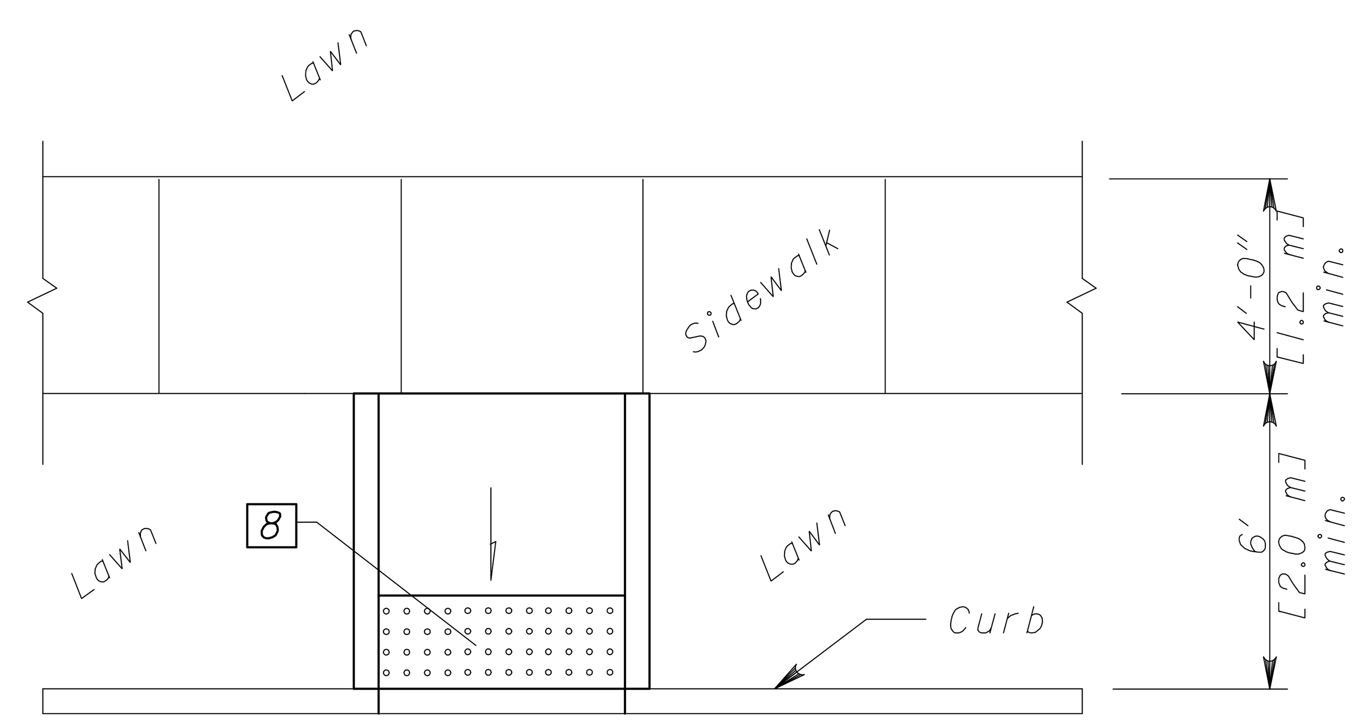
For LEGEND, See sheet 1.



DESIGN E
PERPENDICULAR RAMP



DESIGN F
PARALLEL RAMP



DESIGN G
PERPENDICULAR RAMPS
w/o FLARES

MID BLOCK CURB RAMP DESIGNS

(See Curb Ramp Details on Sht. 1/3 for additional requirements.)

6-05-02

CURB RAMPS WITH TRUNCATED DOMES

MEG-33-15.70

218C
582

NOTES

SURFACE TEXTURE: Texture of concrete surfaces shall be obtained by coarse brooming transverse to the ramp slopes and shall be rougher than adjacent walk.

TRUNCATED DOMES: Install detectable warnings (truncated domes) for a distance of 24" [610] from the back of the curb for the entire width of the ramp opening as shown on details on Sheet 1.

Pavers will meet ASTM C 902 Class SX, Type I, or C 936, or C 1272 Type R.

Acceptable manufacturers and products are:

1) Whitacre-Greer Fireproofing Company, 1400 S. Mahoning Ave, Alliance, OH, 44601, ADA Paver, 4"x8"x2-1/4", Clear Red (Rustic) #30.
2) Hanover Architectural Products, 240 Bender Rd., Hanover, PA. 17331, Detectable Warning Paver, 4"x8"x2", Red or Quarry Red.
3) Endicott Clay Products, PO Box 17, Fairbury, NE, 68352, Handicap Detectable Warning Paver, 4"x8"x2-1/4", Red Blend.

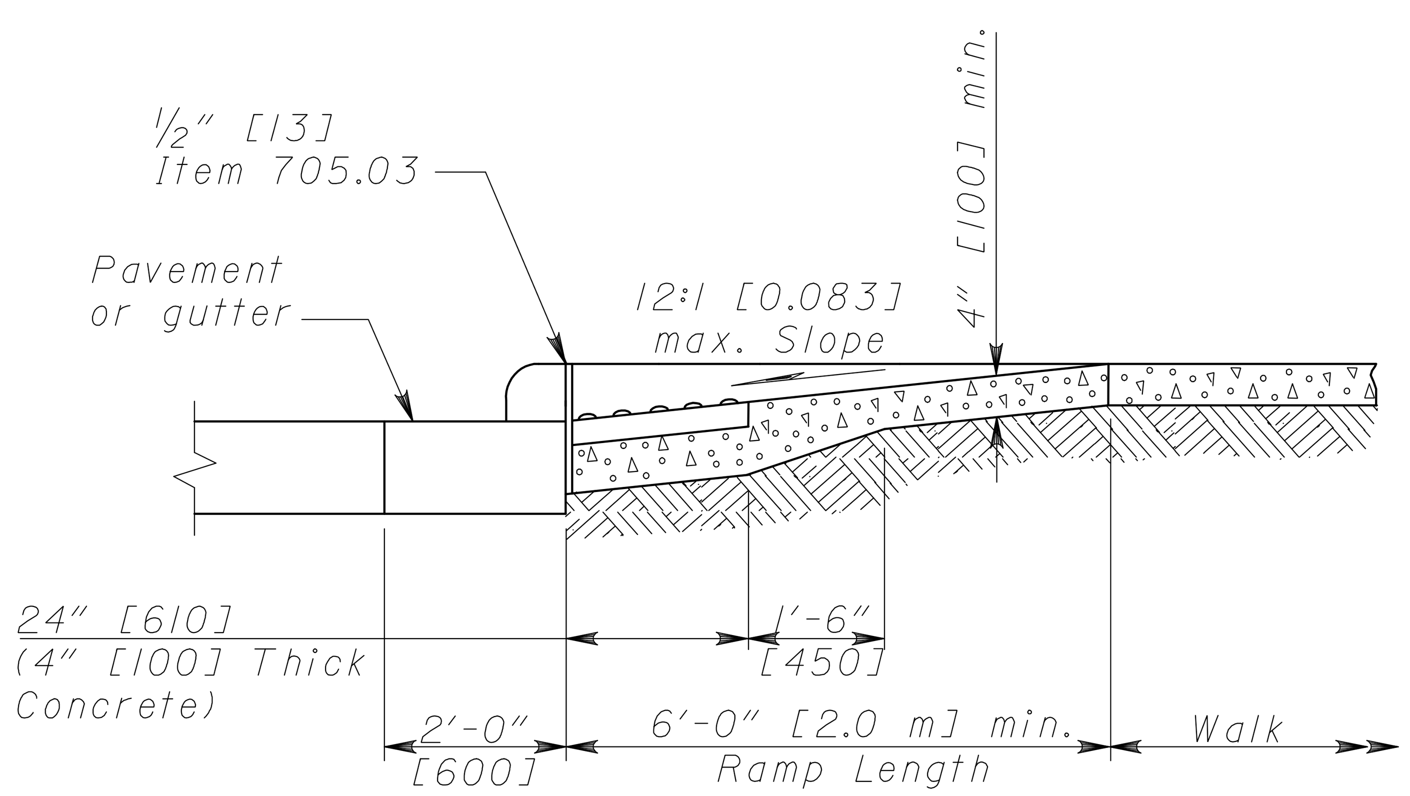
Pavers will laid on top of a 4" [100] unreinforced concrete base. Setting bed and joints to be mortared in accordance with manufacturer's instruction, or with a maximum 1/2" [13] thick bed of latex modified cement mortar. Mortar joints to a width not greater than 5/32" [4] and not less than 1/16" [1.5]. Pavers shall not be directly touching each other unless they have spacing bars.

Mortared joints are to be flush with top surface and struck so as to give a smooth surface. Pavers shall be laid such that joints are level with adjoining joints so as to provide a smooth transition from brick to brick and brick to concrete surface.

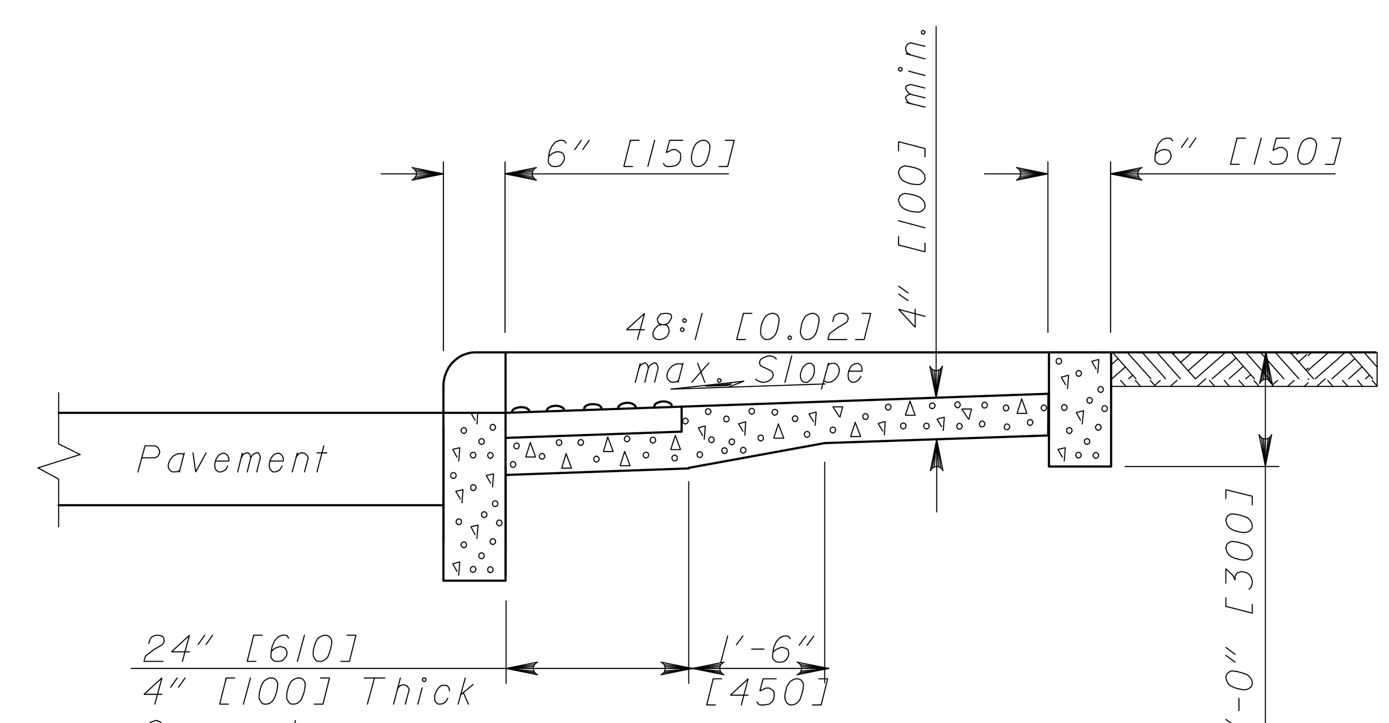
The surface of any two adjacent units should not differ by more than 1/8" [3] in height. Bricks shall be placed in a running bond pattern. Face of all brick shall be clean of cement and protected so as to avoid chipping during constructionn.

EXPANSION JOINTS: shall be provided in the curb ramp as extensions of walk joints and consistent with Item 608.03 requirements for a new concrete walk. A 1/2" [13] Item 705.03 expansion joint filler shall be provided around the edge of ramps built in existing concrete walk. Lines shown on this drawing indicate the ramp edge and slope changes and are not necessarily joint lines.

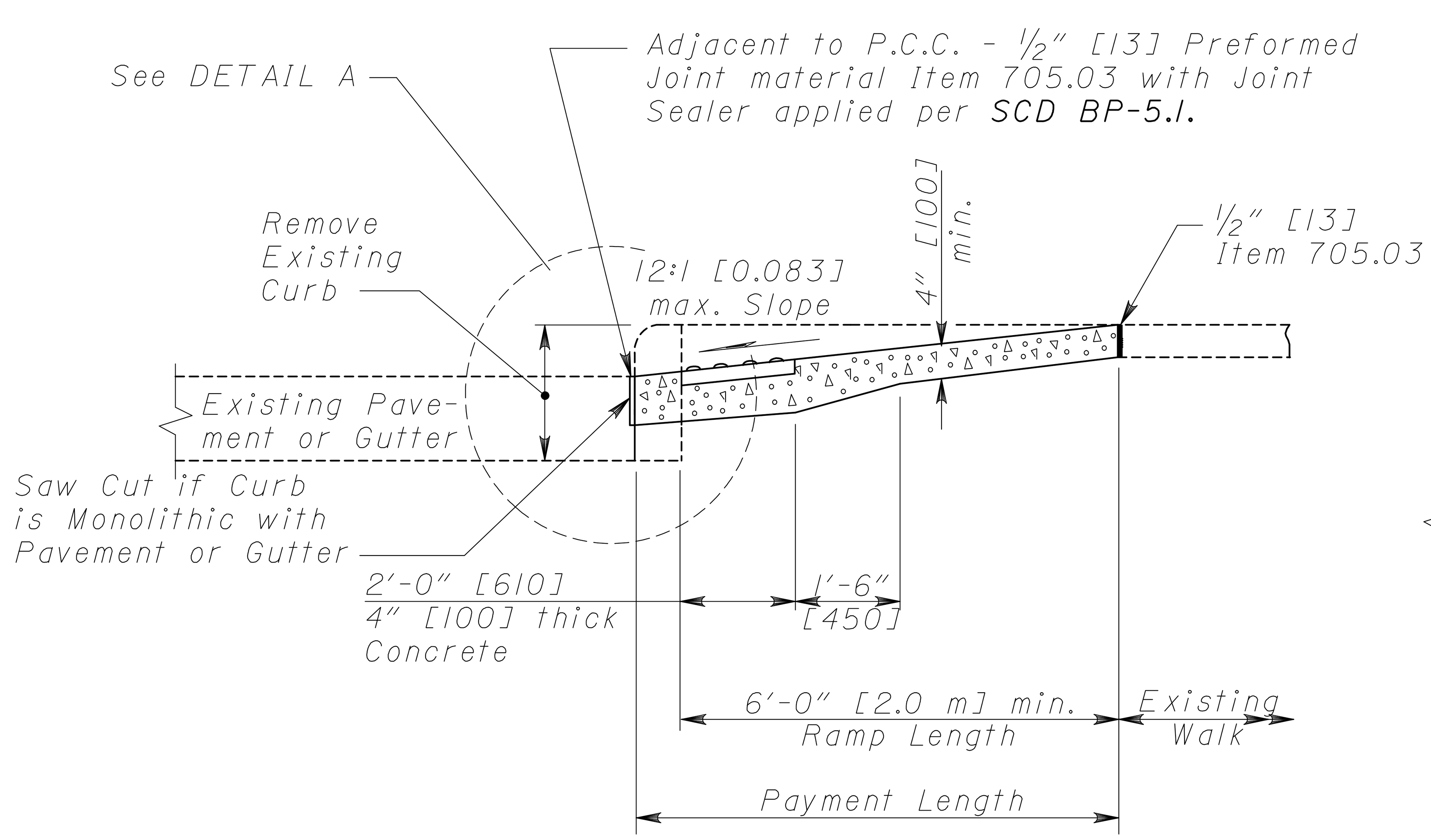
PAYMENT: Walk and curb, Items 608 and 609, shall be measured through the curb ramp area paid for under their respective Items. **Item 608 - Curb Ramp, As Per Plan, Each** constructed in new curb and walk shall include the cost of any additional materials and installation (including truncated domes), grading, forming and finishing. **Item 608 - Curb Ramp. As Per Plan, Square Foot [Meter],** constructed in existing curb and walk shall include the cost of furnishing and installing all materials (including truncated domes), grading, forming, and finishing of the curb and walk of the curb ramp. Removal of existing curb and walk shall be paid for under Item 202.



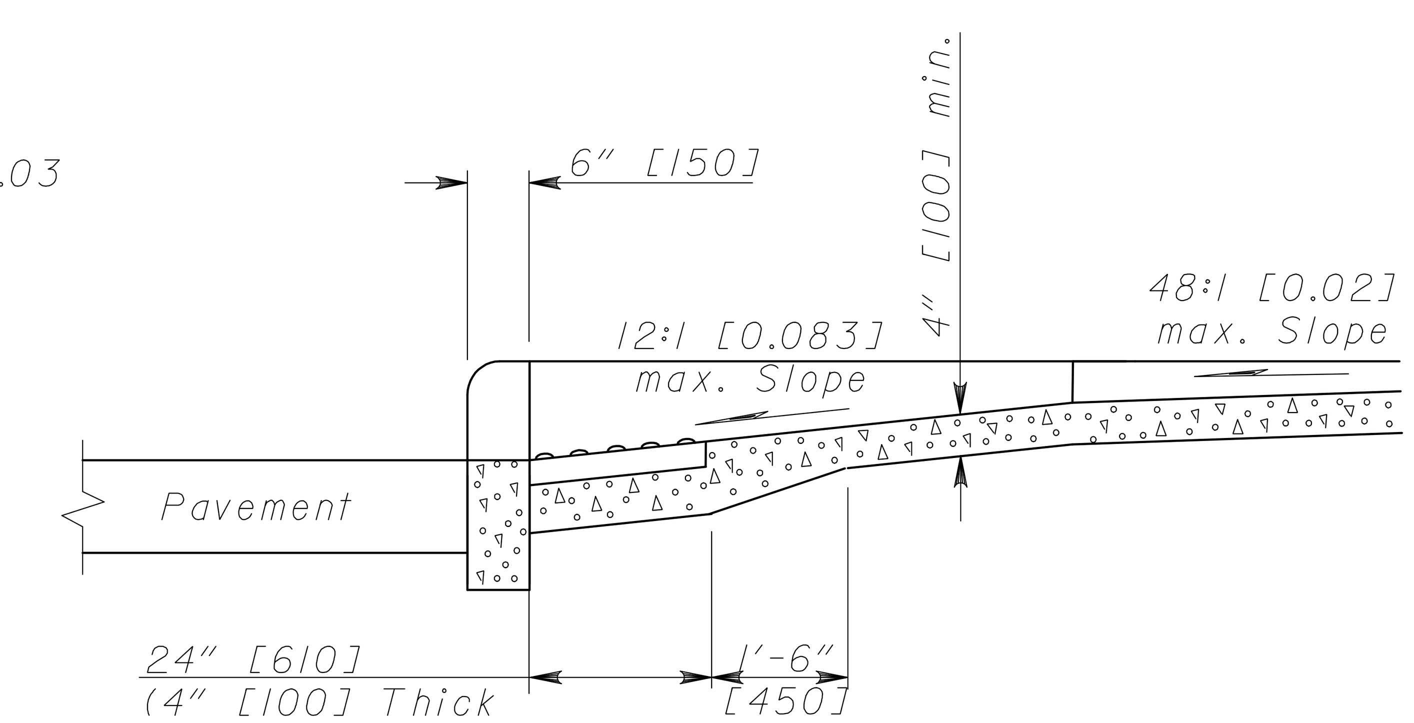
SECTION A-A
NORMAL DETAIL
See Sheet 1 of 3.
(Gutter shown)



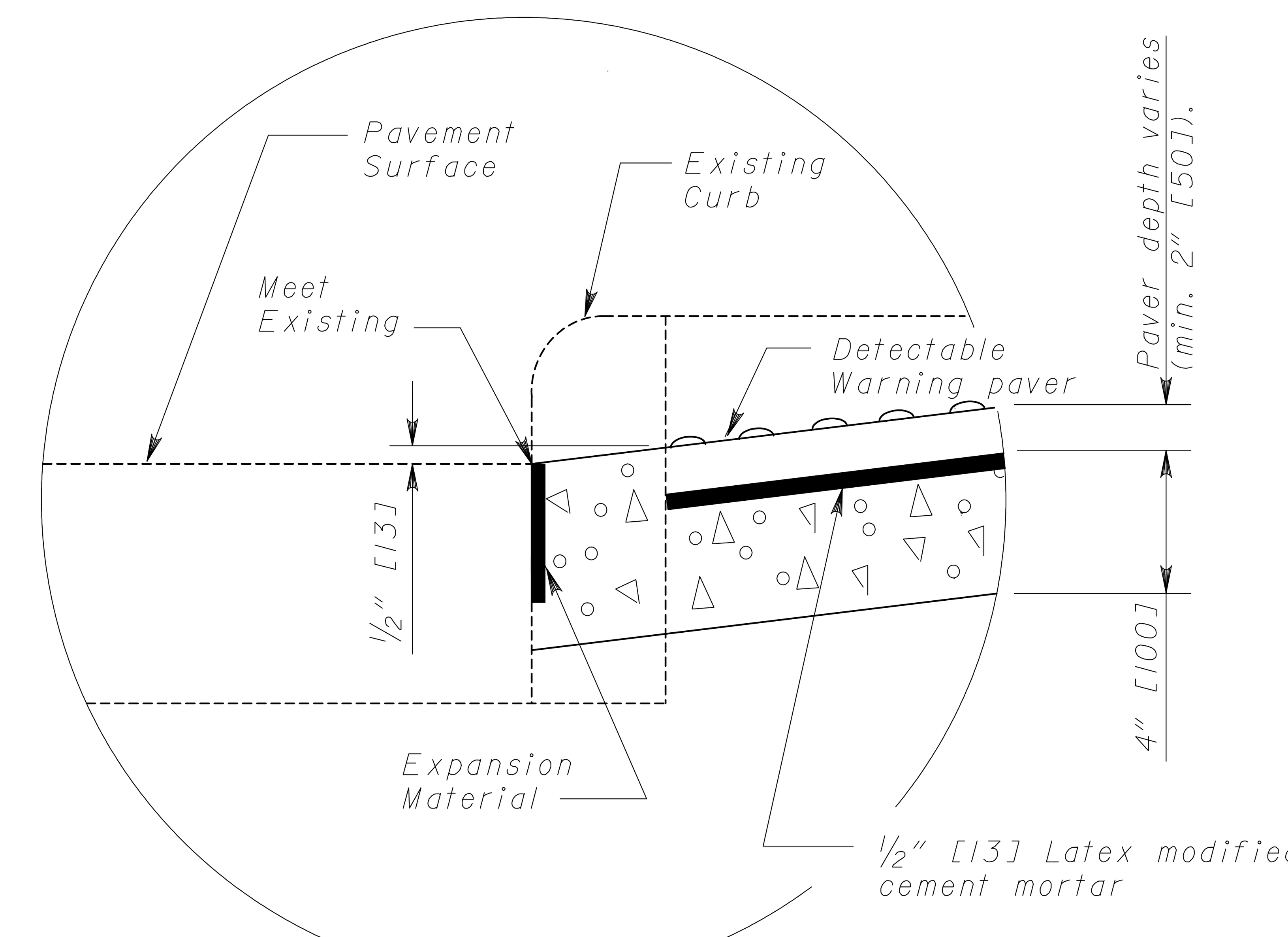
SECTION B-B
See Sheet 1 of 3.



SECTION A-A
EXISTING WALK DETAIL
See Sheet 1 of 3.



SECTION C-C
See Sheet 1 of 3.



DETAIL A

6-05-02

CURB RAMPS WITH TRUNCATED DOMES

MEG-33-15.70

218D
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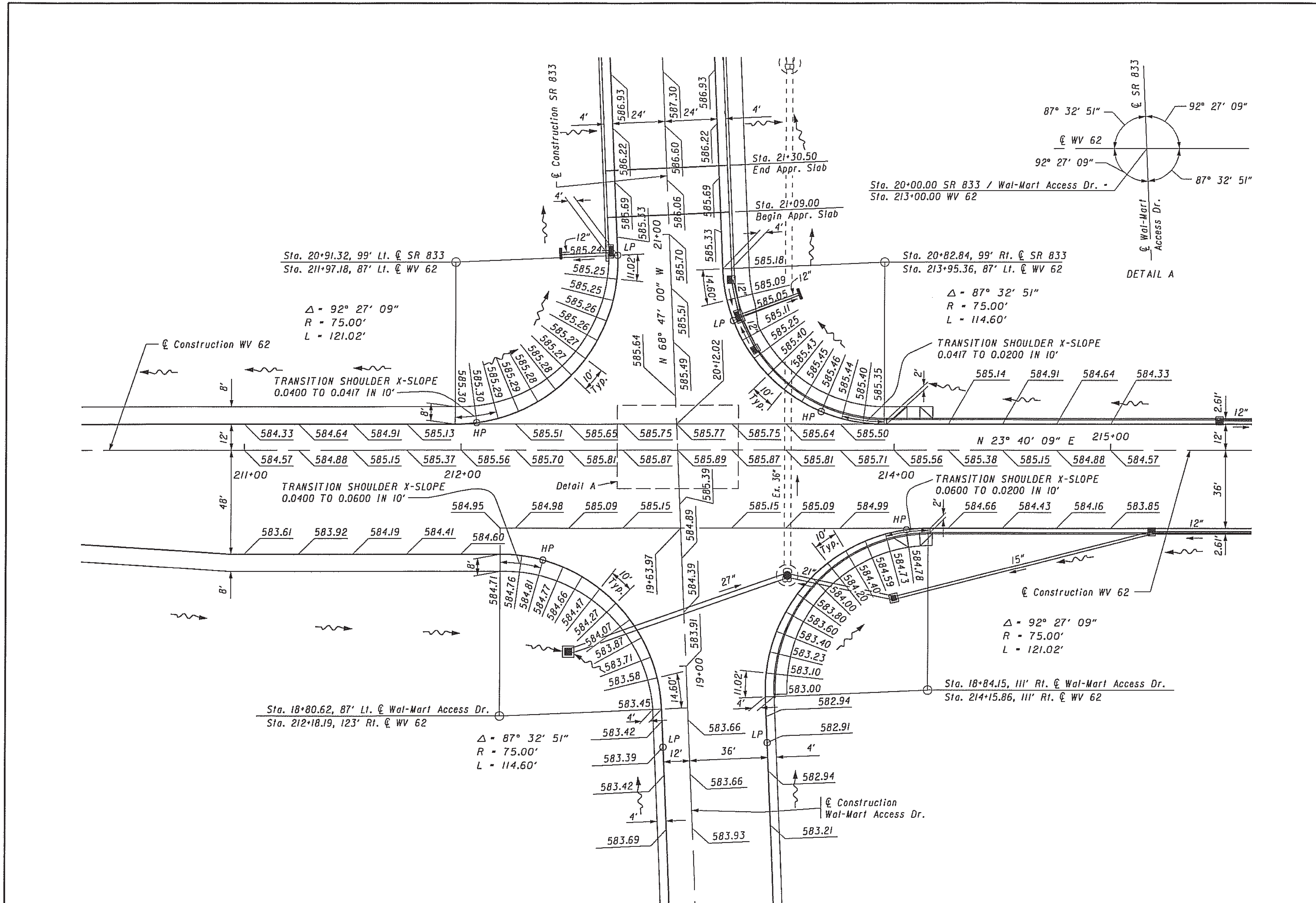


INTERSECTION DETAIL
WAL-MART ACCESS DR AT WV 62 & SR 833

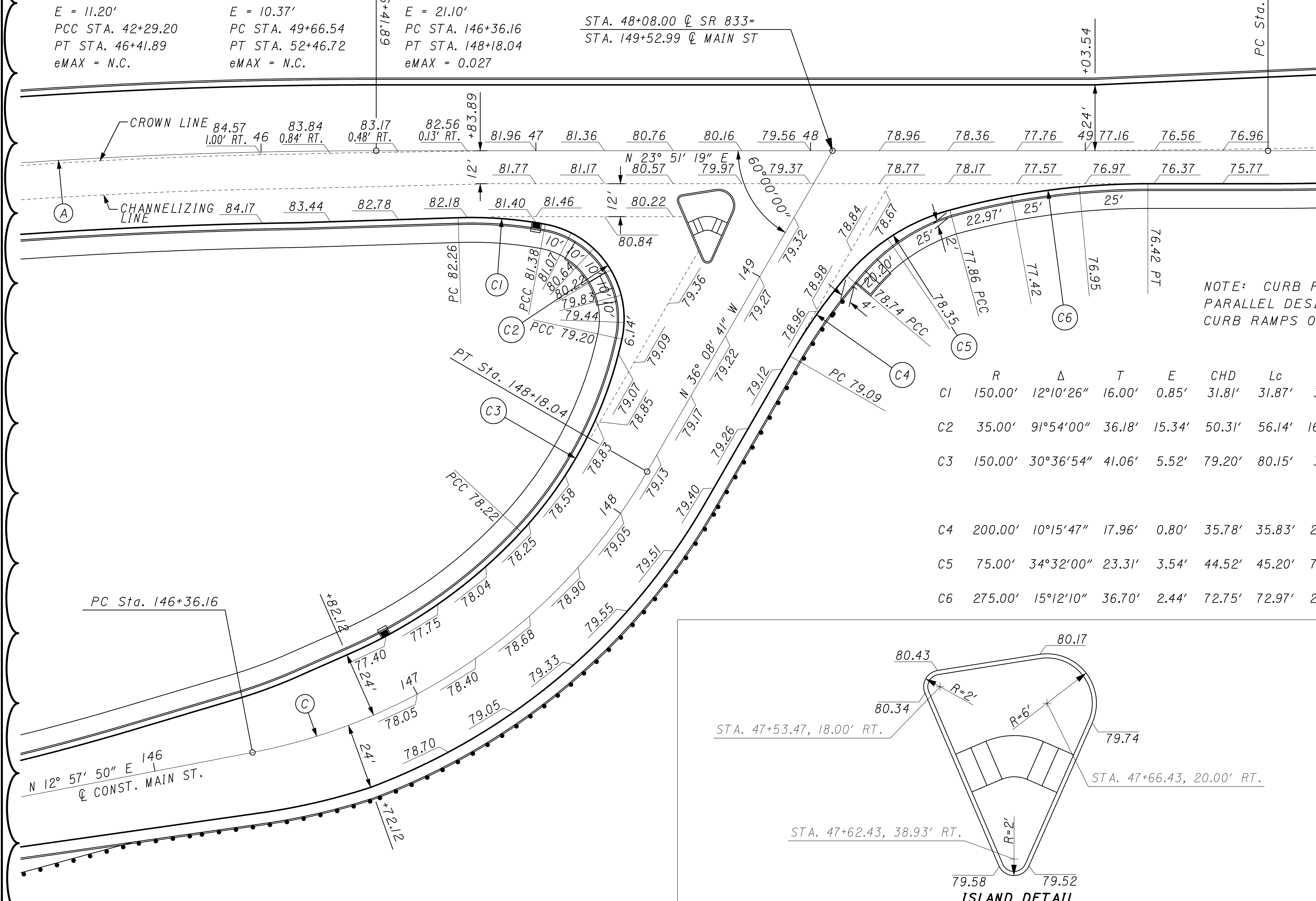
CALCULATED JGB CHECKED AM

MEG-33-15.70

CURVE A	CURVE B	CURVE C
℄ CONST. SR 833	℄ CONST. SR 833	℄ CONST. MAIN ST
P.I. STA. 44+36.35	P.I. STA. 51+07.64	P.I. STA. 147+33.11
Δ = 12°22′50″ (RT)	Δ = 16°48′38″ (LT)	Δ = 49°06′32″ (LT)
Dc = 3°00′00″	Dc = 6°00′00″	Dc = 27°00′00″
R = 1909.86′	R = 954.93′	R = 212.21′
T = 207.15′	T = 141.10′	T = 96.95′
L = 412.69′	L = 280.18′	L = 181.88′
E = 11.20′	E = 10.37′	E = 21.10′
PCC STA. 42+29.20	PC STA. 49+66.54	PC STA. 146+36.16
PT STA. 46+41.89	PT STA. 52+46.72	PT STA. 148+18.04
eMAX = N.C.	eMAX = N.C.	eMAX = 0.027

NOTE: ADD 500′ TO ALL ELEVATIONS

STA. 48+08.00 ℄ SR 833=
STA. 149+52.99 ℄ MAIN ST



NOTE: CURB RAMPS SHOWN IN CURB RETURNS ARE PARALLEL DESIGN B, WHETHER DOUBLE OR SINGLE. CURB RAMPS ON ISLAND ARE PERPENDICULAR DESIGN G.

	R	Δ	T	E	CHD	Lc	Dc	
C1	150.00′	12°10′26″	16.00′	0.85′	31.81′	31.87′	38°11′50″	PC STA. 46+71.70, 24.39′ RT ℄ SR 833= STA. 148+63.72, 105.85′ LT ℄ MAIN ST
C2	35.00′	91°54′00″	36.18′	15.34′	50.31′	56.14′	163°42′08″	PCC STA. 47+03.42, 26.77′ RT ℄ SR 833= STA. 148+77.53, 77.19′ LT ℄ MAIN ST
C3	150.00′	30°36′54″	41.06′	5.52′	79.20′	80.15′	38°11′50″	PCC STA. 47+31.33, 68.62′ RT ℄ SR 833= STA. 148+55.23, 32.09′ LT ℄ MAIN ST PCC STA. 46+94.67, 138.83′ RT ℄ SR 833= STA. 147+70.35, 24.00′ LT ℄ MAIN ST
C4	200.00′	10°15′47″	17.96′	0.80′	35.78′	35.83′	28°38′52″	PC STA. 47+92.53, 74.79′ RT ℄ SR 833= STA. 148+80.49, 24.00′ RT ℄ MAIN ST
C5	75.00′	34°32′00″	23.31′	3.54′	44.52′	45.20′	76°23′40″	PCC STA. 48+13.12, 45.53′ RT ℄ SR 833= STA. 149+16.12, 27.20′ RT ℄ MAIN ST
C6	275.00′	15°12′10″	36.70′	2.44′	72.75′	72.97′	20°50′05″	PCC STA. 48+50.69, 21.63′ RT ℄ SR 833 PT STA. 49+22.80, 12.00′ RT ℄ SR 833

C1 CC STA. 46+76.44, 174.31′ RT ℄ SR 833= STA. 147+29.89, 9.54′ LT ℄ MAIN ST
C2 CC STA. 46+97.12, 61.19′ RT ℄ SR 833= STA. 148+44.57, 65.43′ LT ℄ MAIN ST
C3 CC STA. 45+83.64, 35.89′ RT ℄ SR 833= STA. 147+70.35, 174.00′ LT ℄ MAIN ST

C4 CC STA. 49+65.74, 174.79′ RT ℄ SR 833= STA. 148+80.49, 224.00′ RT ℄ MAIN ST
C5 CC STA. 48+70.35, 94.00′ RT ℄ SR 833= STA. 149+02.76, 101.00′ RT ℄ MAIN ST
C6 CC STA. 49+22.80, 287.00′ RT ℄ SR 833= STA. 147+91.97. 246.38′ RT ℄ MAIN ST

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CHECKED

INTERSECTION DETAIL MAIN STREET AND SR 833

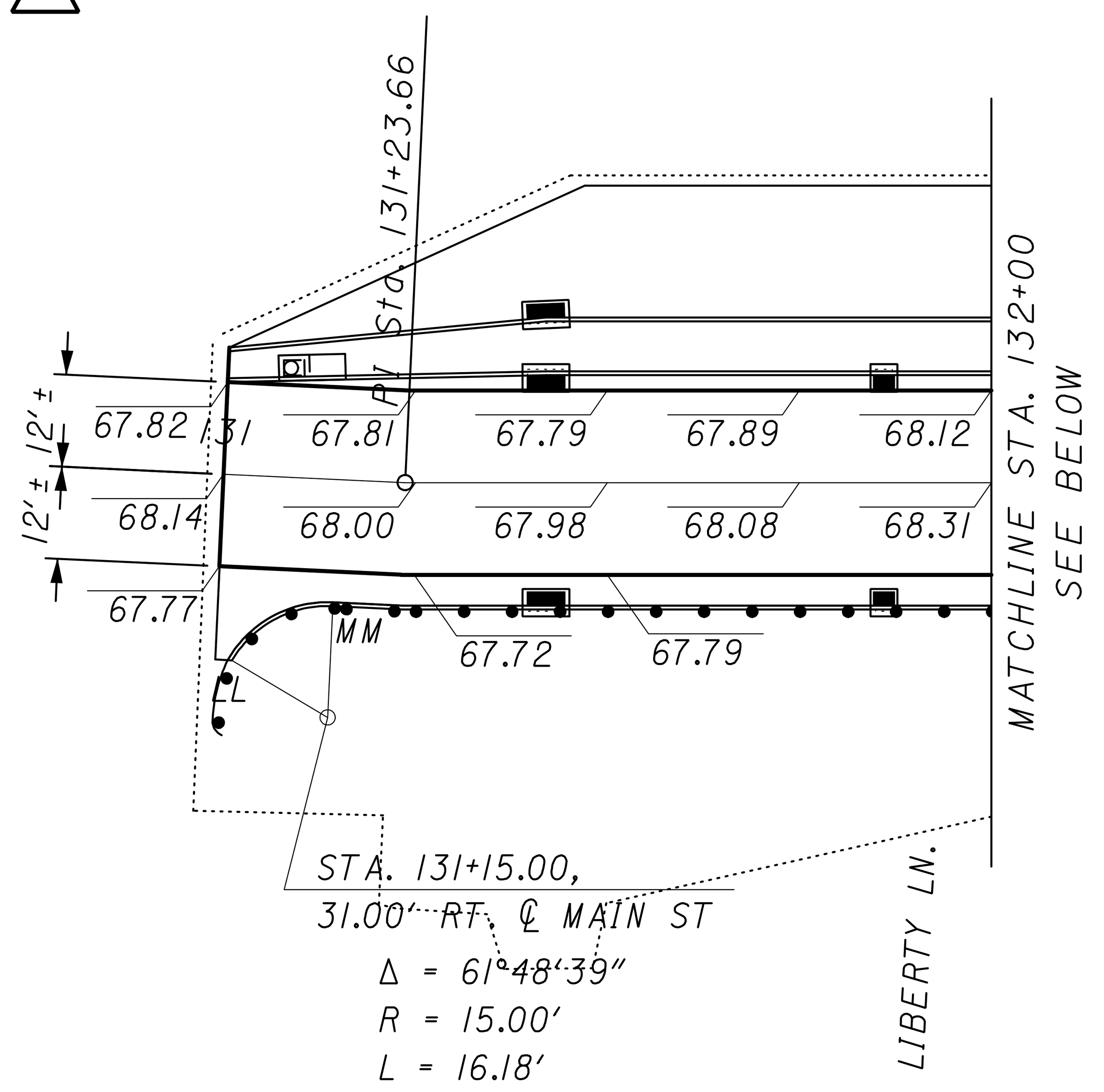
MEG-33-15.70

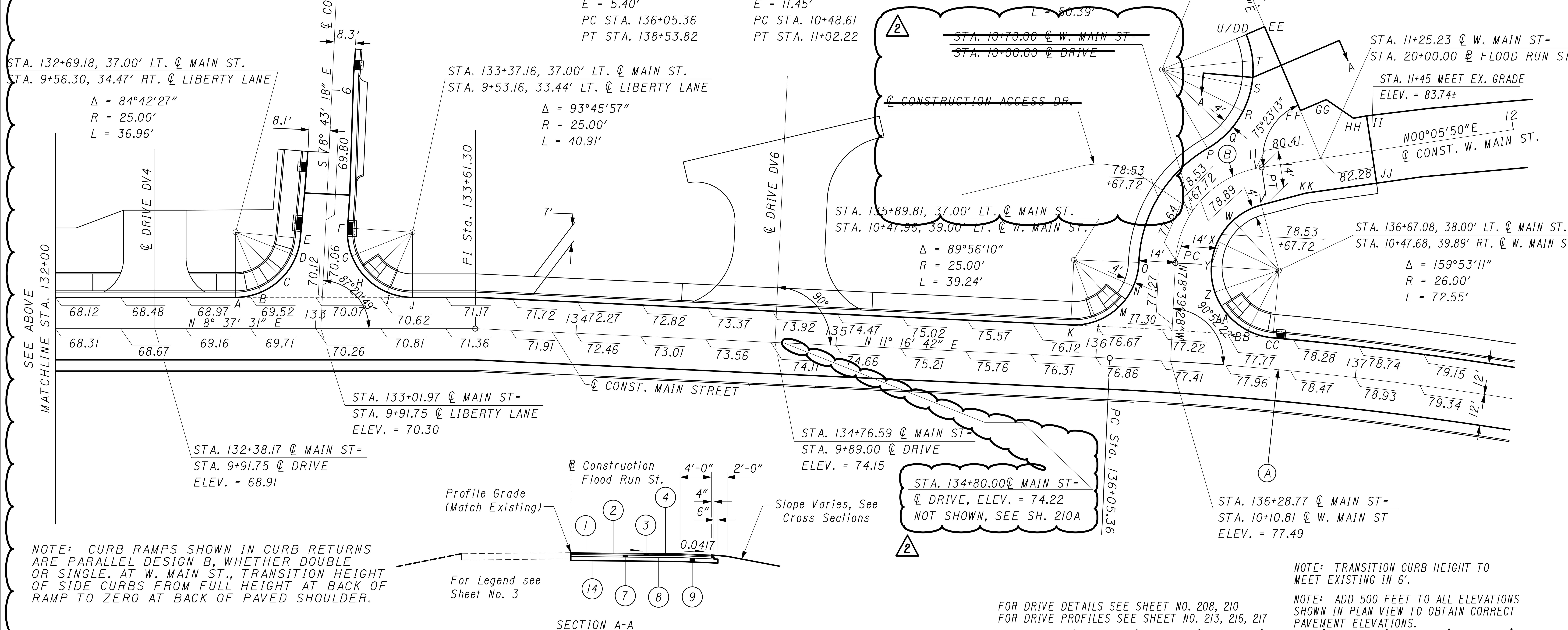
EDGE OF PAVEMENT ELEVATIONS AT RADIUS RETURNS								
LOCATION	ELEV.	ARC LENGTH BETWEEN	LOCATION	ELEV.	ARC LENGTH BETWEEN	LOCATION	ELEV.	ARC LENGTH BETWEEN
A	569.39	10'	K	576.44	9.24'	V	579.79	12.55'
B	569.57	10'	L	576.62	10'	W	578.90	10'
C	569.78	10'	M	576.78	10'	X	578.33	10'
D	569.76	6.96'	N	577.00	10'	Y	577.67	10'
E	569.68		O	577.45		Z	577.39	10'
F	569.92	10.91'	P	579.67	10'	AA	577.62	10'
G	570.08	10'	Q	580.25	10'	BB	577.89	10'
H	570.37	10'	R	580.67	10'	CC	578.12	
I	570.64	10'	S	580.89	10'			
J	570.89		T	580.88	10.39'			
			U	580.66				

FLOOD RUN ST. & W. MAIN ST.		
LOCATION	STA.	OFFSET
Flood Run St.		
DD	19+44.94	7.68' Rt.
EE	19+44.94	℄
FF	19+80.00	℄
GG	19+80.00	10.81' Lt.
W. Main St.		
HH	11+39.90	13.45' Lt.
II	11+45.00	13.58' Lt.
JJ	11+45.00	12.54' Rt.
KK	11+17.22	12.30' Rt.
Main Street		
LL	131+01.66	24.15' Rt.
MM	131+15.00	16.00' Rt.

CURVE A
℄ CONST. MAIN ST.
P.I. STA. 137+29.90
Δ = 9°56'18" (RT)
Dc = 4°00'00"
R = 1432.39'
T = 124.54'
L = 248.46'
E = 5.40'
PC STA. 136+05.36
PT STA. 138+53.82

CURVE B
℄ CONST. W. MAIN ST.
P.I. STA. 10+80.62
Δ = 78°45'18" (RT)
Dc = 146°54'44"
R = 39.00'
T = 32.01'
L = 53.61'
E = 11.45'
PC STA. 10+48.61
PT STA. 11+02.22





NOTE: CURB RAMPS SHOWN IN CURB RETURNS ARE PARALLEL DESIGN B, WHETHER DOUBLE OR SINGLE. AT W. MAIN ST., TRANSITION HEIGHT OF SIDE CURBS FROM FULL HEIGHT AT BACK OF RAMP TO ZERO AT BACK OF PAVED SHOULDER.

FOR DRIVE DETAILS SEE SHEET NO. 208, 210
FOR DRIVE PROFILES SEE SHEET NO. 213, 216, 217

NOTE: TRANSITION CURB HEIGHT TO MEET EXISTING IN 6'.

NOTE: ADD 500 FEET TO ALL ELEVATIONS SHOWN IN PLAN VIEW TO OBTAIN CORRECT PAVEMENT ELEVATIONS.

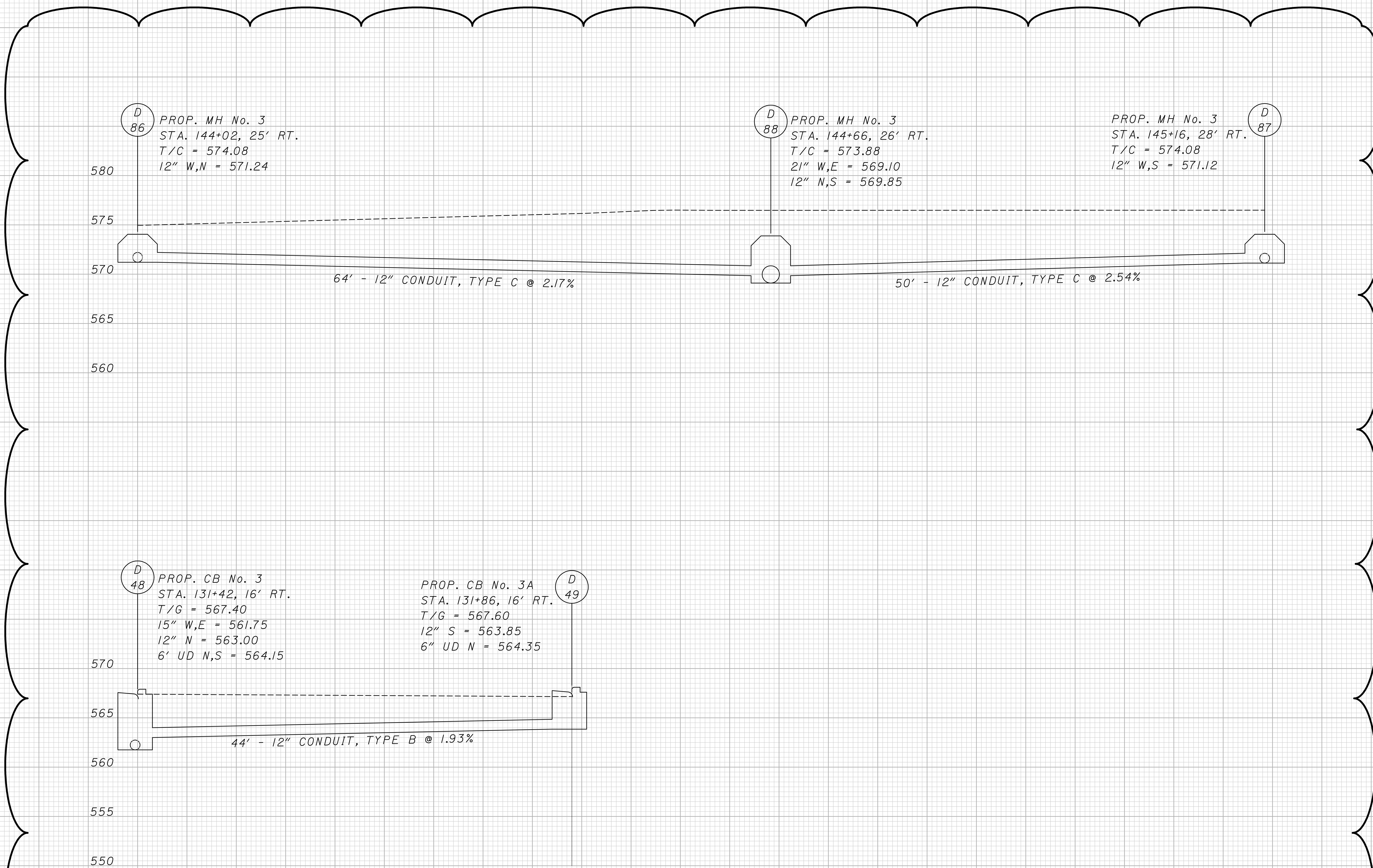
NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC
2	SALVAGE PUMP STATION	1/06	SCC

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED
CHECKED

INTERSECTION DETAIL
LIBERTY LANE W MAIN ST FLOOD RUN ST

MEG-33-15.70



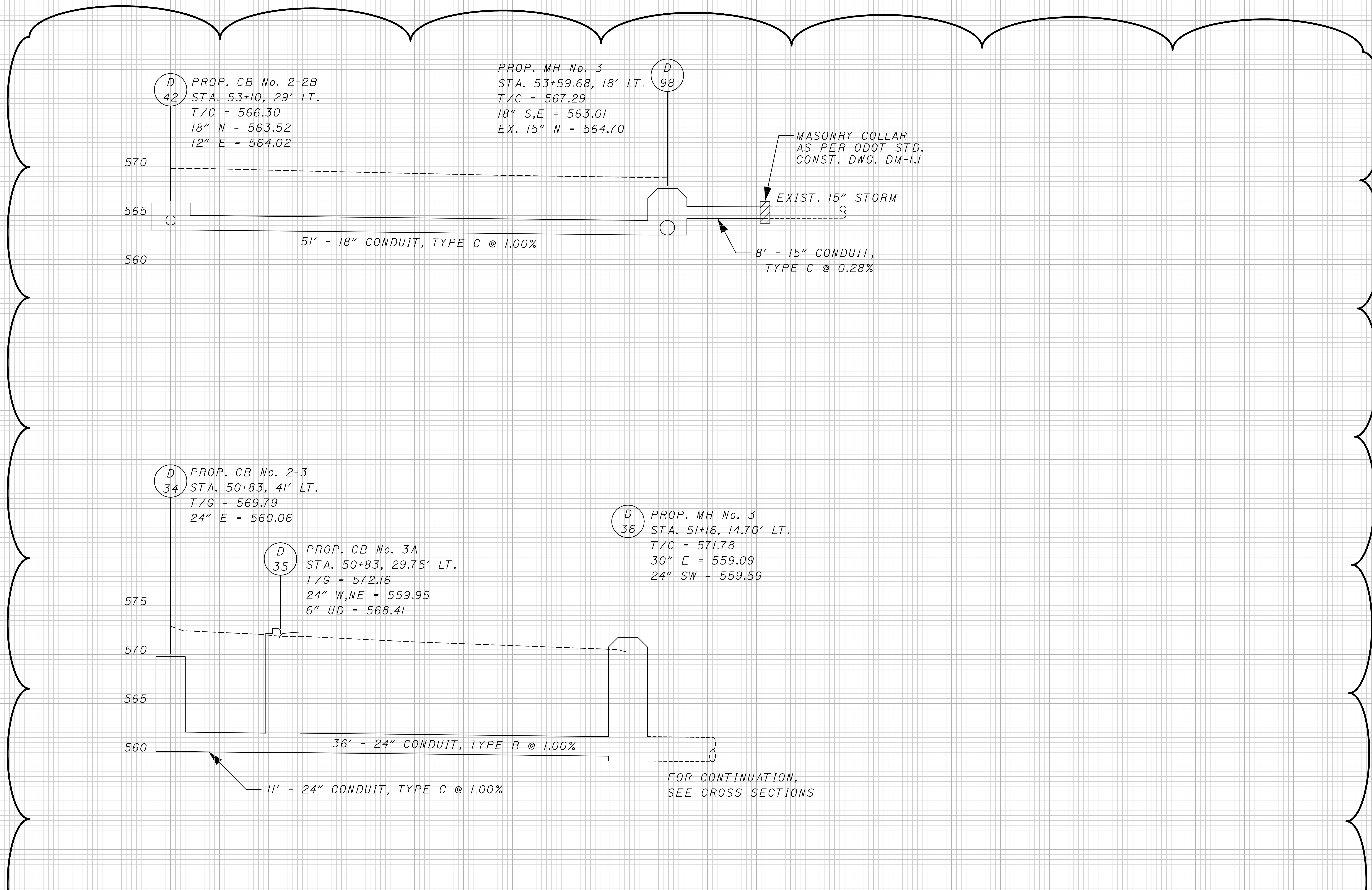
1

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED
CHECKED

STORM SEWER PROFILES

MEG-33-15.70

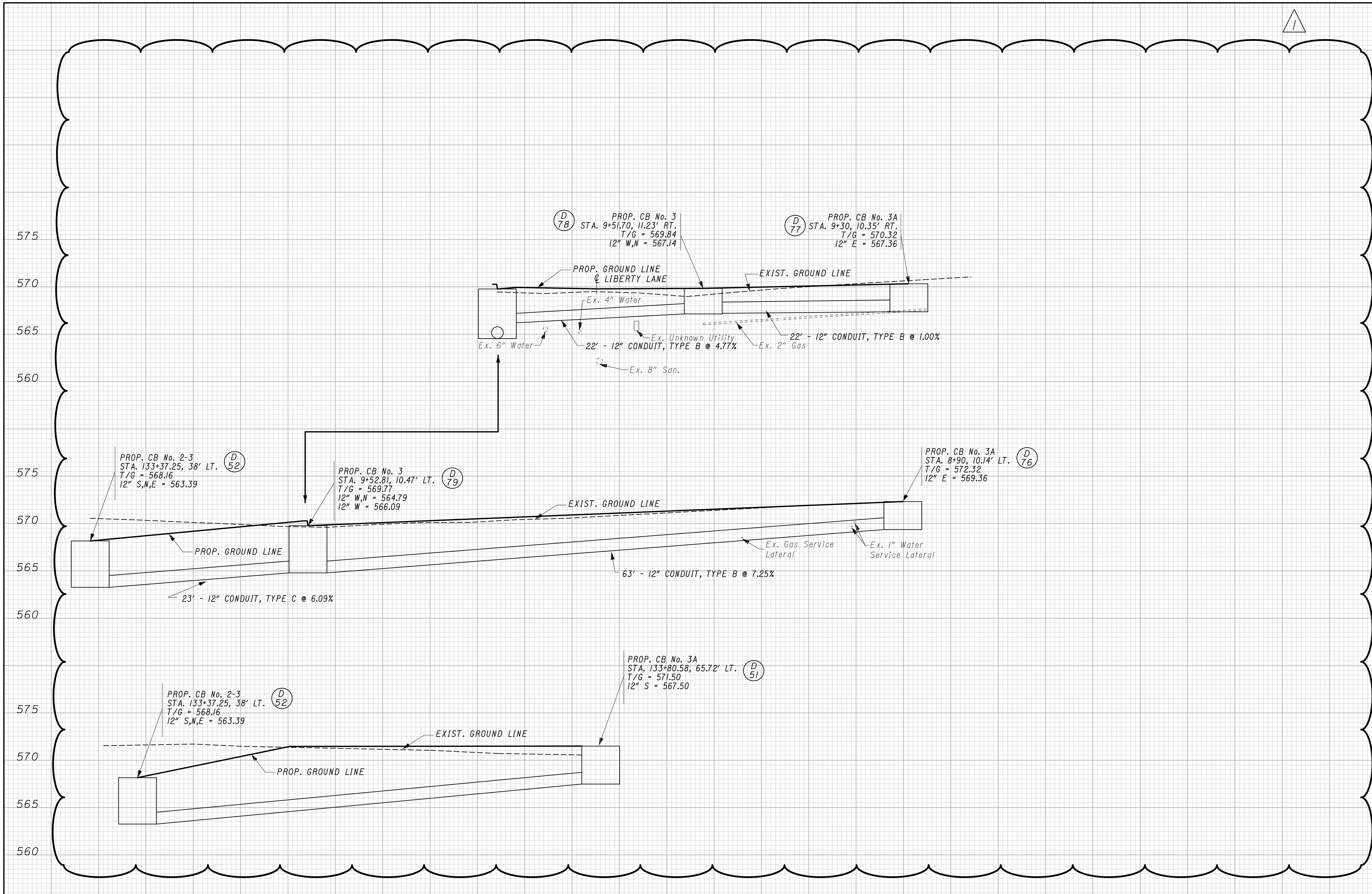


NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED
CHECKED

STORM SEWER PROFILES

MEG-33-15.70

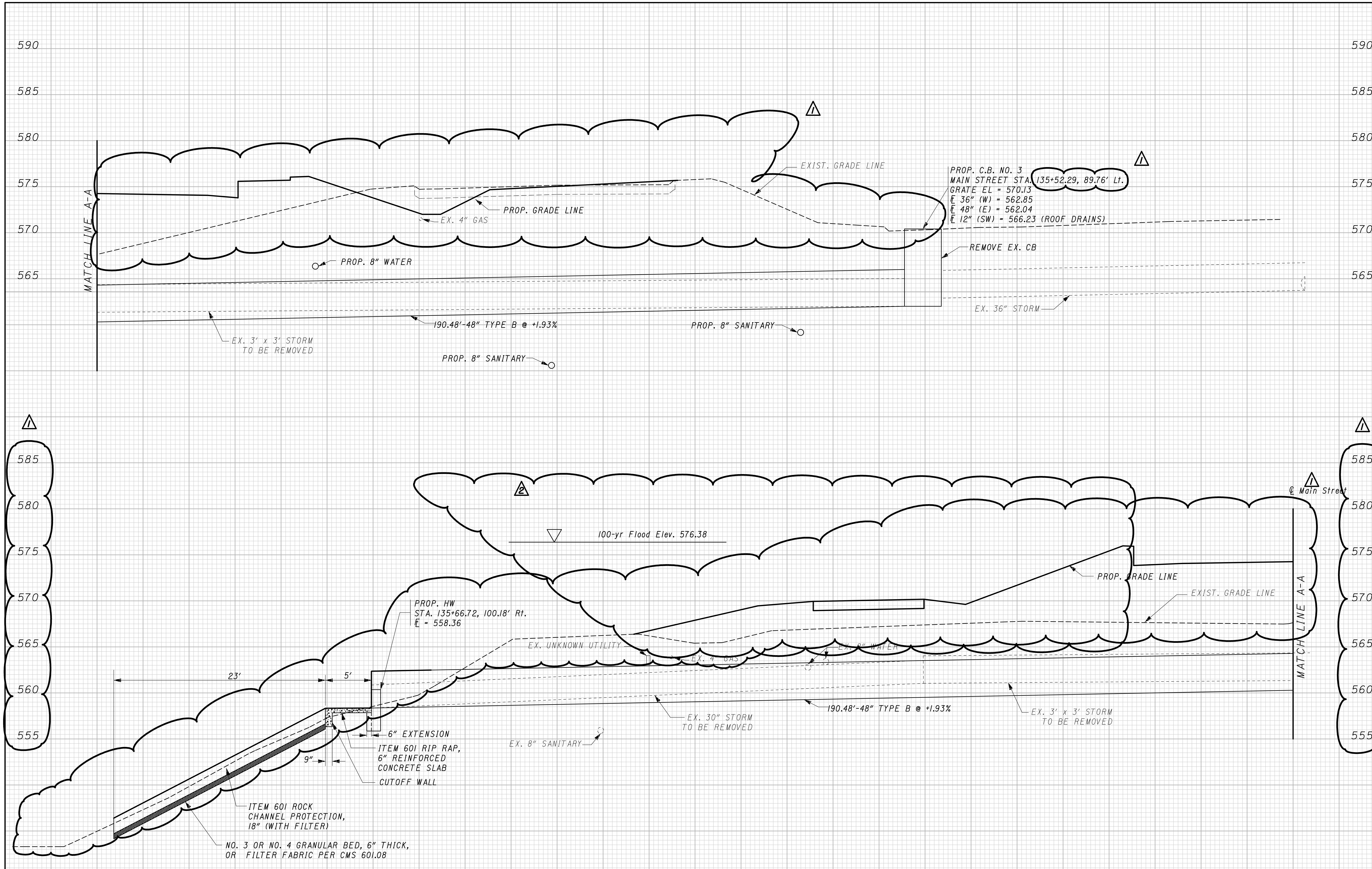


NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED AM
CHECKED JCB

STORM SEWER PROFILES

MEG-33-15.70



NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC
2	SALVAGE PUMP STATION	1/06	SCC

CALCULATED MT
CHECKED JCB

STORM SEWER PROFILES

MEG-33-15.70

224A
582

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NOT USED

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

1

MEG-33-15.70

NOT USED

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

MEG-33-15.70

NOT USED

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

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1

MEG-33-15.70

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228
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NOT USED

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

MEG-33-15.70

NOT USED

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

MEG-33-15.70

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MEG-33-15.70

231
582

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NUMBER	REVISION	DATE:	BY:
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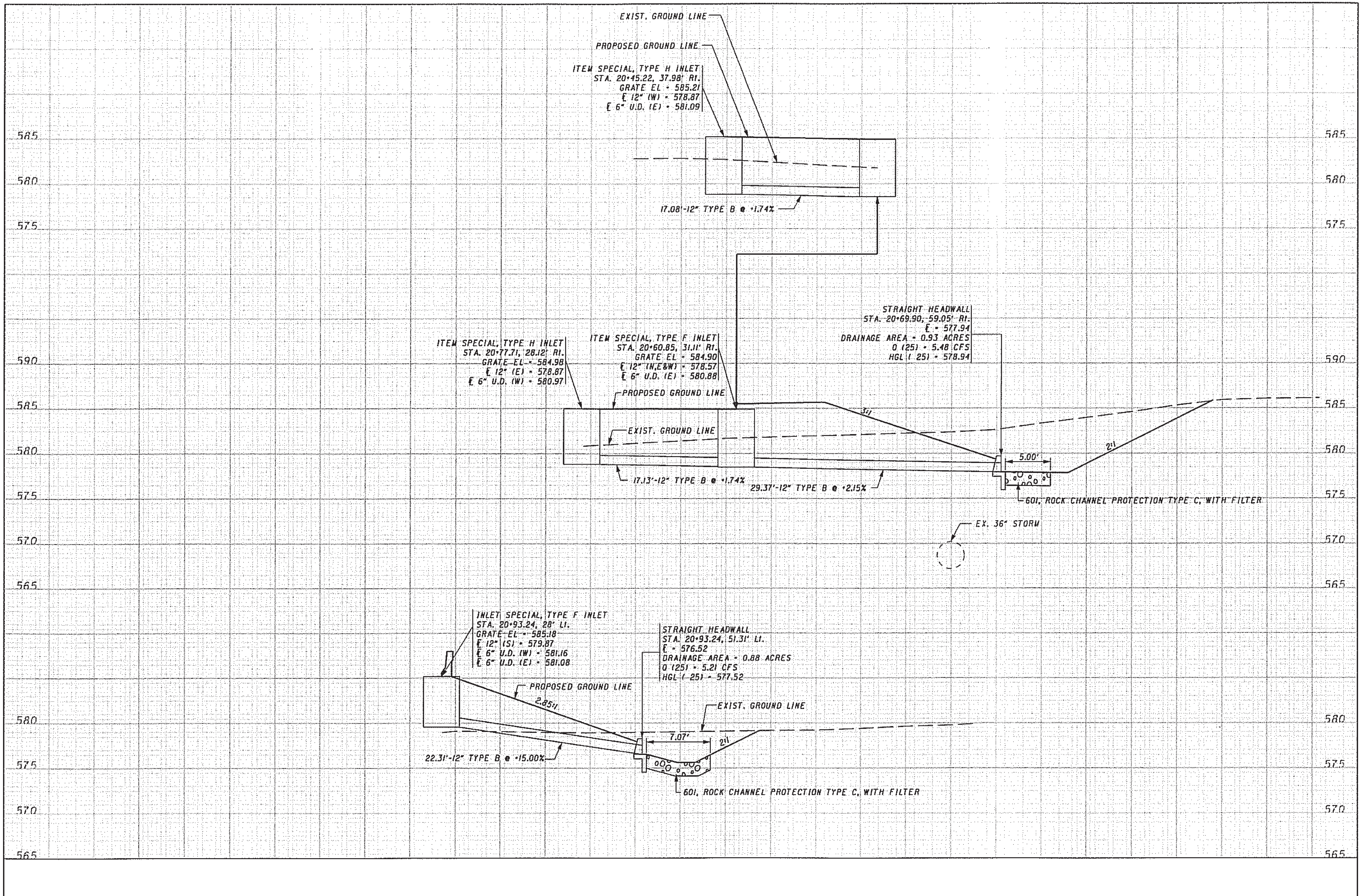
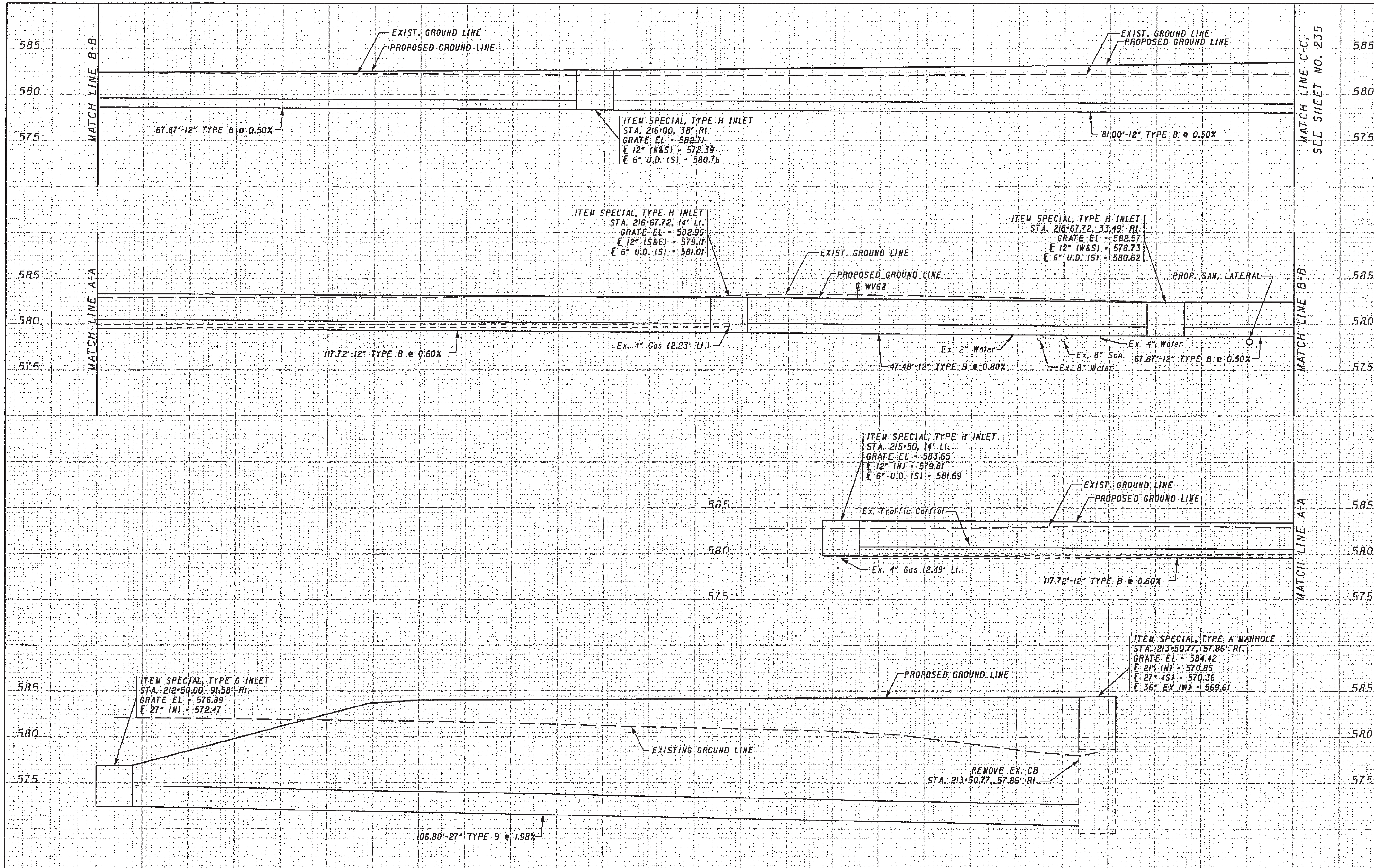
MEG-33-15.70



CALCULATED AM
CHECKED JCB

STORM SEWER PROFILES

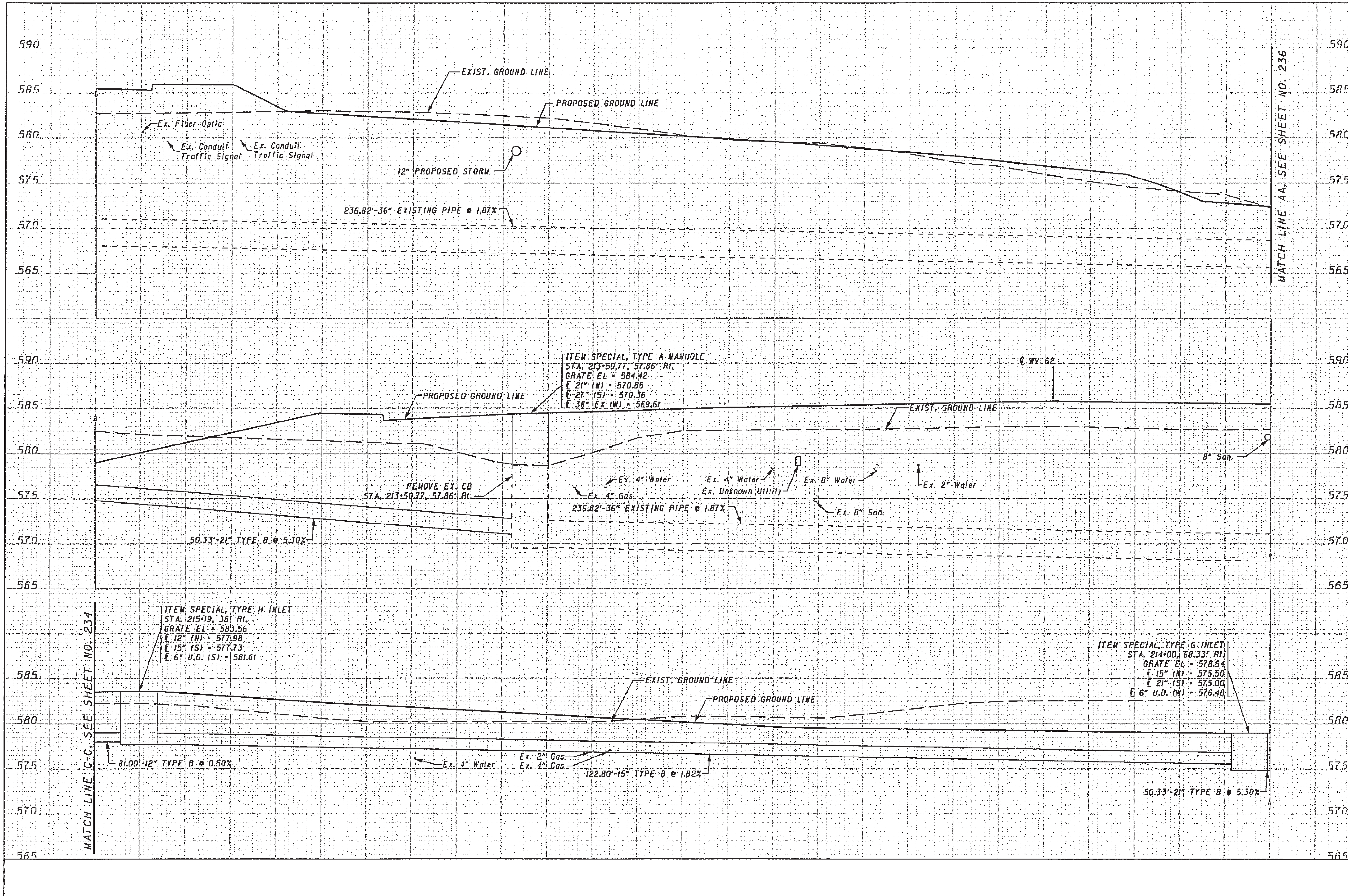
MEG-33-15.70



CALCULATED AM CHECKED JCB

STORM SEWER PROFILES

MEG-33-15.70

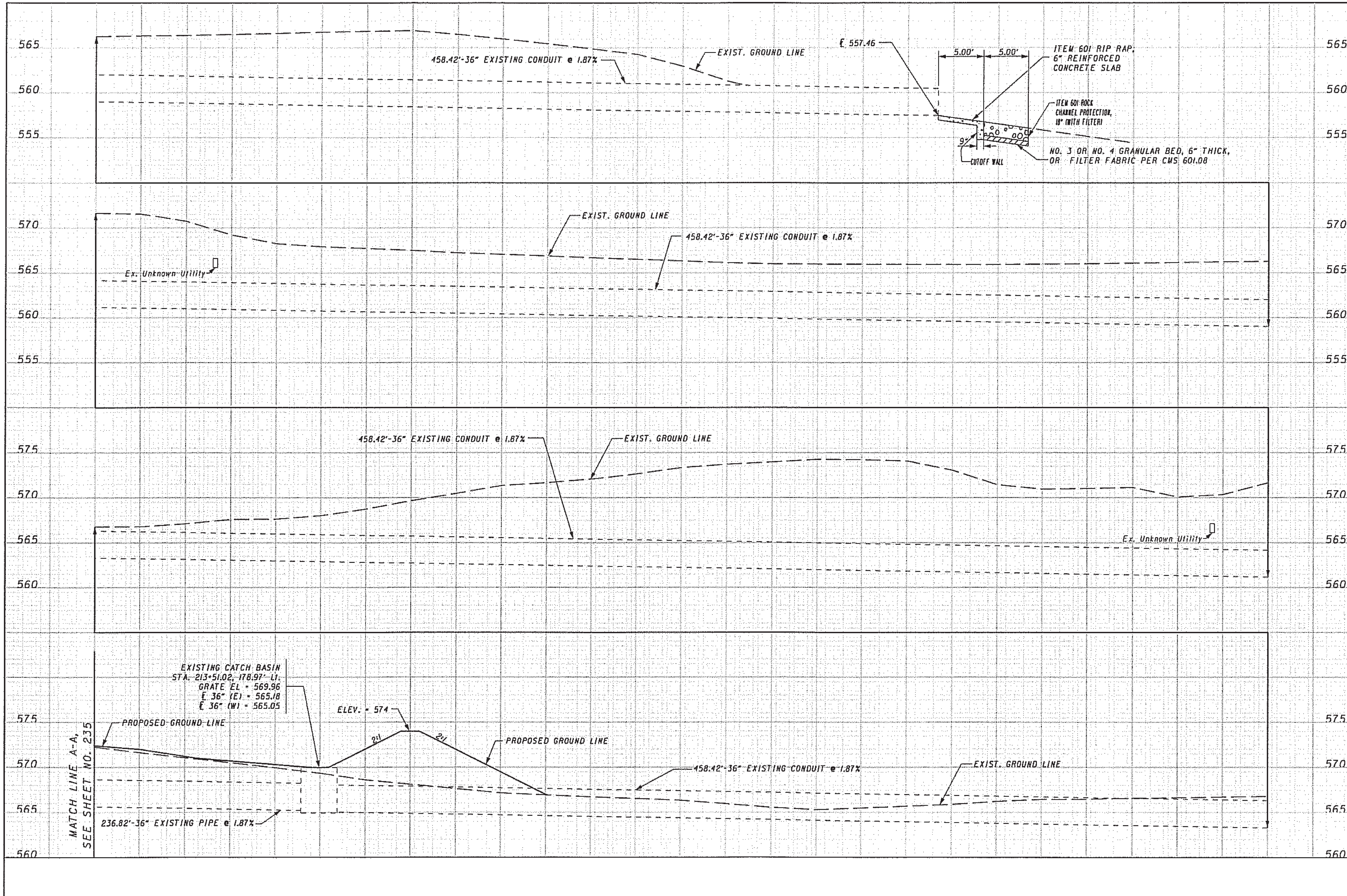


CALCULATED AM
CHECKED JCB

STORM SEWER PROFILES

MEG-33-15.70

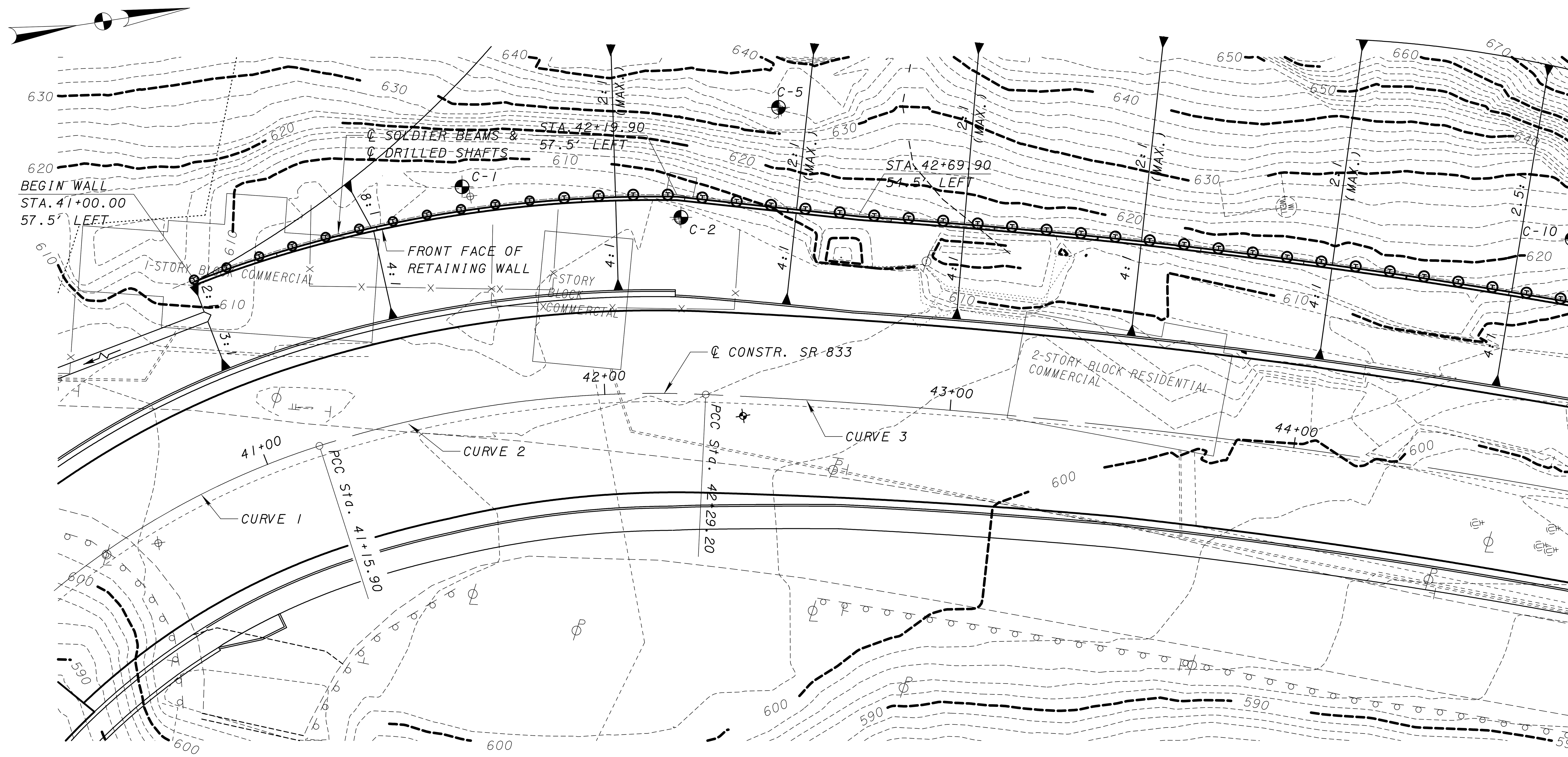
235/582



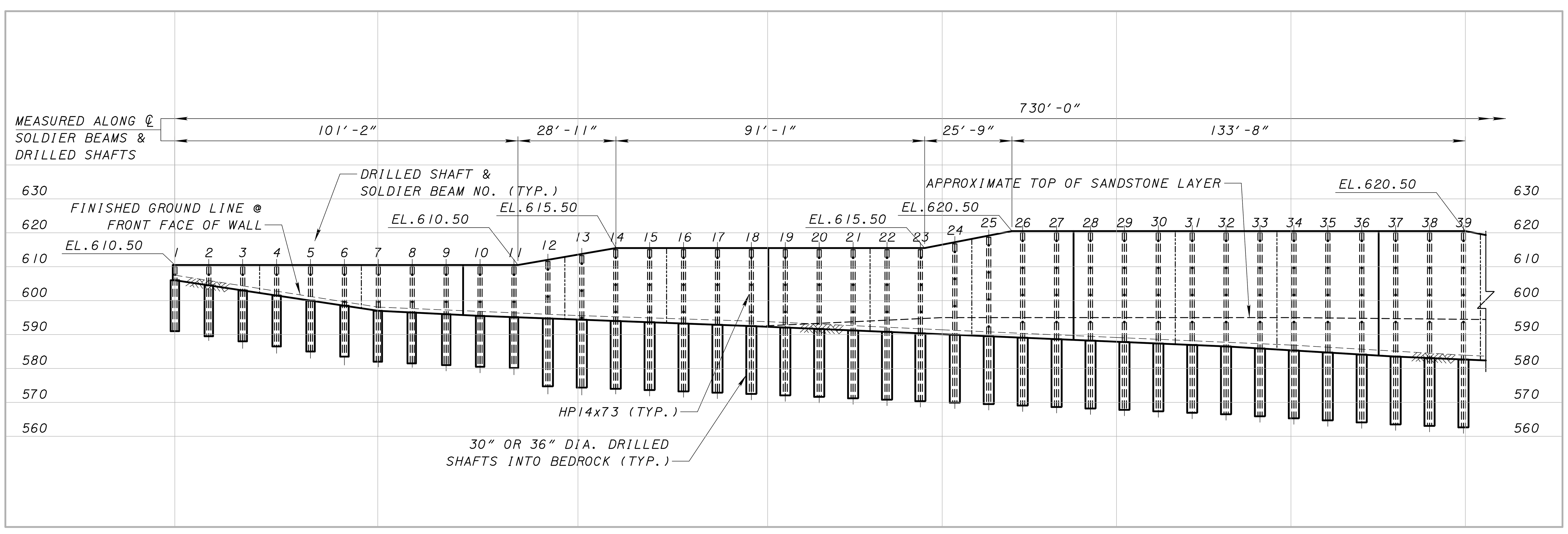
CALCULATED AM CHECKED JCB

STORM SEWER PROFILES

MEG-33-15.70



PLAN



ELEVATION

HORIZONTAL CURVE DATA
℄ CONSTRUCTION S.R. 833

CURVE 1	CURVE 2
P.I. = STA. 40+07.32	P.I. = STA. 41+73.16
D = 59°51'52" (RT)	D = 20°23'36" (RT)
DC = 24°45'00"	DC = 18°00'00"
R = 231.50'	R = 318.31'
T = 133.29'	T = 57.25'
L = 241.88'	L = 113.30'
E = 35.63'	E = 5.11'
P.C. = STA. 38+74.03	P.C. = STA. 41+15.90
P.C.C. = STA. 41+15.90	P.C.C. = STA. 42+29.90
e MAX = 0.04	e MAX = 0.04

CURVE 3

P.I. = STA.44+36.35
D = 12°22'50" (RT)
DC = 3°00'00"
R = 1909.86'
T = 207.15'
L = 412.69'
E = 11.20'
P.C. = STA. 42+29.20
P.C.C. = STA.46+41.89
e MAX = N.C.

LEGEND

⊕ - BORING LOCATION

NOTES

1. FOR CONTINUATION OF WALL, SEE SHEET 2/15
2. EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

PROPOSED STRUCTURE

TYPE: SOLDIER BEAM RETAINING WALL WITH CONCRETE FACE

LENGTH: 693'-8⅝" (MEASURED ALONG ℄ ROADWAY)
730'-0" (MEASURED ALONG ℄ DRILLED SHAFT & ℄ SOLDIER BEAMS)
LATITUDE: N 39° 00' 45"
LONGITUDE: W 82° 02' 30"

NUMBER	REVISION	DATE	BY
1	REVISED WALL PLANS	12/05	MJZ

DESIGN AGENCY: URS, 36 EAST 7TH STREET, SUITE 2300, CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
VKG	GJW		
CHECKED	REVISED	STRUCTURE FILE NUMBER	
MJZ		5300916 OH 10385 WV	

MEIGS COUNTY
STA. 41+00.00
STA. 47+93.72

RETAINING WALL - PART SITE PLAN
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

1/15

237/582

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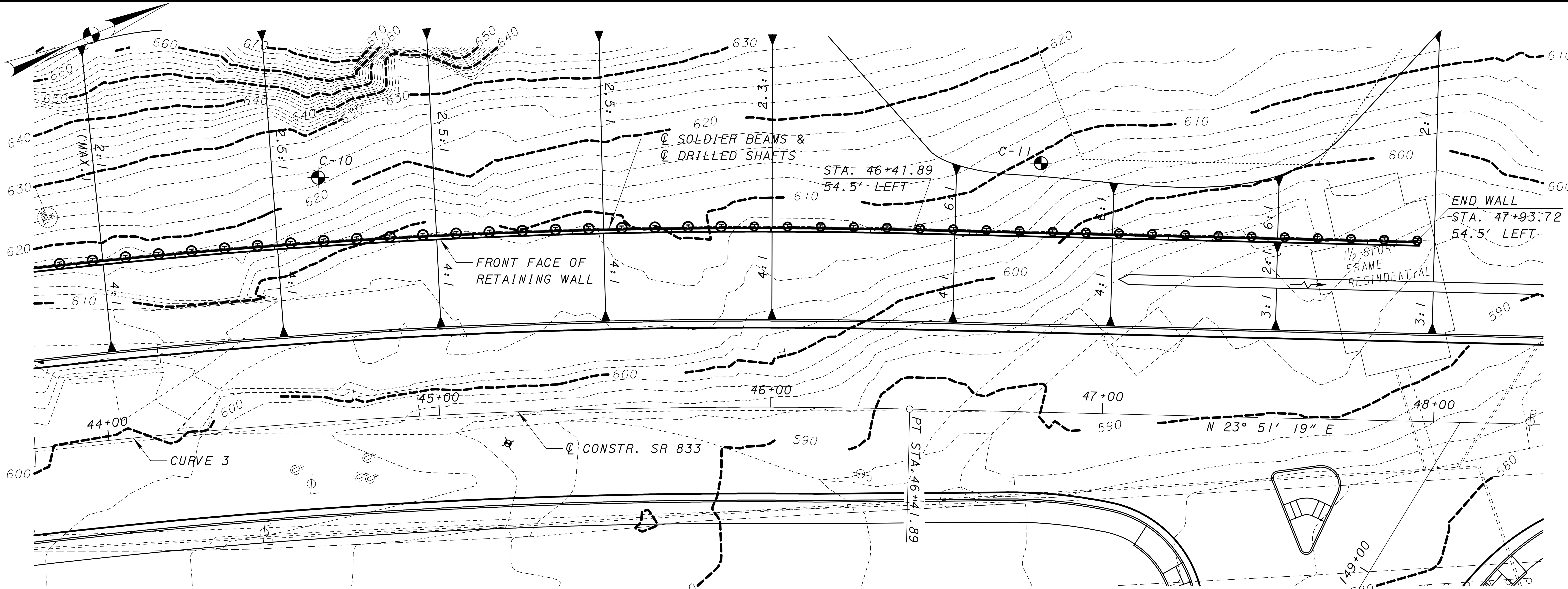
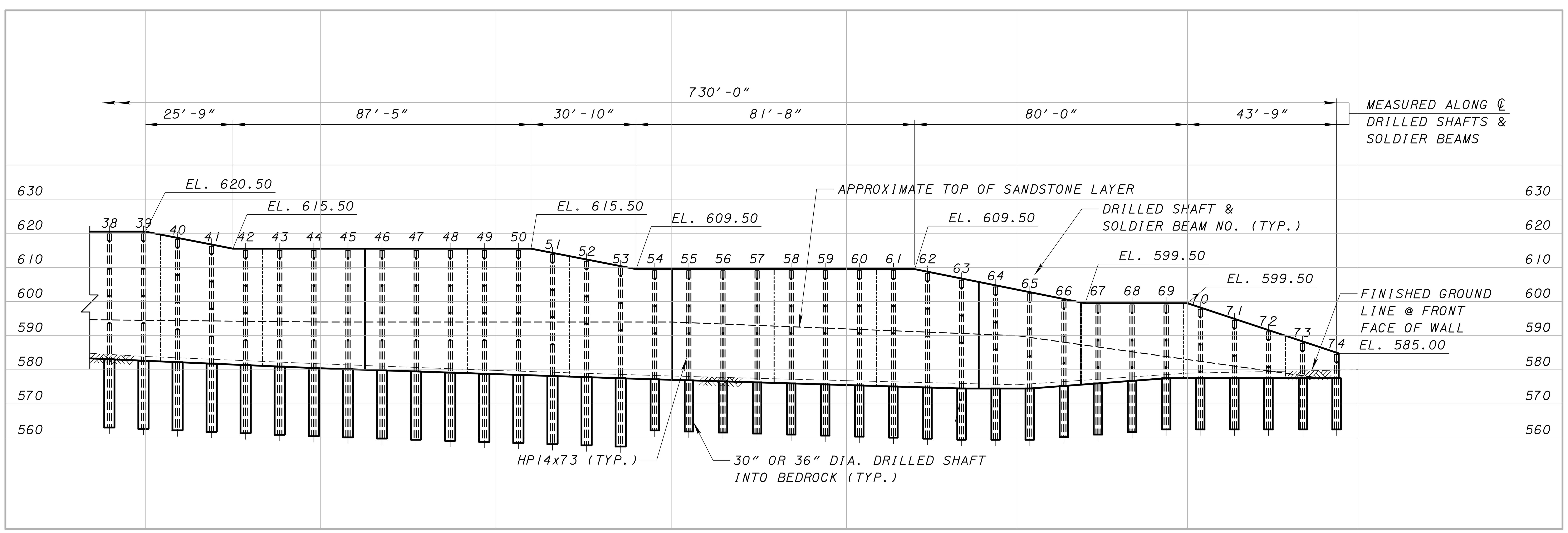


PLAN



ELEVATION

LEGEND

- BORING LOCATION

NOTES

1. FOR CURVE DATA AND CONTINUATION OF WALL SEE SHEET 1/15
2. EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

NUMBER	REVISION	DATE	BY
1	REVISED WALL PLANS	12/05	MJZ

DESIGN AGENCY: URS, 36 EAST 7TH STREET, SUITE 2300, CINCINNATI, OHIO 45202

REVIEWED | DATE

STRUCTURE FILE NUMBER 5300916 OH, 10385 WV

DESIGNED VKG | DRAWN GJW | CHECKED MJZ | REVISED

MEIGS COUNTY
STA. 41+00.00
STA. 47+93.72

RETAINING WALL - PART SITE PLAN
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

2 / 15

237A / 582

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GENERAL NOTES

DESIGN DATA

CONCRETE CLASS S - COMPRESSIVE STRENGTH 4000 PSI (DRILLED SHAFTS)

CONCRETE CLASS C - COMPRESSIVE STRENGTH 4000 PSI (RETAINING WALL)

REINFORCING STEEL - ASTM A615, A616, OR A617
GRADE 60, MINIMUM YIELD STRENGTH 60,000 PSI
SPIRAL REINFORCEMENT MAY BE PLAIN BARS, ASTM A82 OR A615

STRUCTURAL STEEL - ASTM A709 GRADE 50 - YIELD STRENGTH 50,000 PSI

UTILITY LINES:
ALL EXPENSE INVOLVED IN RELOCATION (INSTALLING) THE AFFECTED UTILITY LINES SHALL BE BORNE BY THE UTILITY(IES). THE CONTRACTOR AND UTILITY(IES) ARE TO COOPERATE BY ARRANGING THEIR WORK IN SUCH A MANNER THAT INCONVENIENCE TO EITHER WILL BE HELD TO A MINIMUM.

ITEM 863: STRUCTURAL STEEL, MISC.: HP14X73 SOLDIER BEAMS WITH STUDS:
THE SOLDIER BEAMS SHALL BE FABRICATED IN ACCORDANCE WITH 863. THE SOLDIER BEAMS SHALL RECEIVE A SHOP APPLIED PRIMER COAT. ALL PIPES SECTIONS, PLATES, STUD SHEAR CONNECTORS, MISCELLANEOUS MATERIALS, EQUIPMENT, AND LABOR NECESSARY TO FABRICATE AND INSTALL THE HP14X73 STEEL SOLDIER BEAM SHALL BE INCLUDED IN THIS ITEM FOR PAYMENT.

ITEM SPECIAL:WATERPROOFING MISC.: PVC WATERSTOP
THE CONTRACTOR SHALL FURNISH A PVC WATERSTOP AS DETAILED IN PLANS FOR ALL CONTRACTION AND EXPANSION JOINTS. THE WATERSTOP SHALL BE MANUFACTURED FROM POLYVINYL CHLORIDE (PVC) COMPOUND CONTAINING NO SCRAP OR RECLAIMED MATERIAL OR PIGMENT. PROPERTIES OF THE PVC COMPOUND AND THE PHYSICAL PROPERTIES OF THE WATERSTOP SHALL MEET OR EXCEED THE REQUIREMENTS SET FORTH IN THE U.S. ARMY CORPS OF ENGINEERS WATERSTOP SPECIFICATION CRD-C572-74. INSTALLATION AND SPLICING OF THE WATERSTOP SHALL BE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.

ITEM 511: CLASS C MISC.: WALL FACING
AN AESTHETIC FORM LINER SHALL BE APPLIED TO THE FRONT FACE OF THE WALL. THIS FORM LINER SHALL BE AS SPECIFIED BY THE OHIO DEPARTMENT OF TRANSPORTATION, SEE SHEET 13/15 FOR MOCK-UP OF FORM LINER. THE CONTRACTOR SHALL ASSURE THE IMAGE ON THE FORM LINER DOES NOT EXTEND INTO THE 1'-2" MINIMUM STRUCTURAL THICKNESS OF THE CONCRETE WALL. AN ADDITIONAL VOLUME OF CONCRETE EQUATING TO AN AVERAGE THICKNESS OF 2 INCHES FOR THE AESTHETIC IMAGE IS INCLUDED IN THE QUANTITY FOR THIS ITEM. ANY ADDITIONAL VOLUME OF CONCRETE NECESSARY FOR THE IMAGE SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM. PAYMENT SHALL INCLUDE ALL CONCRETE, REINFORCING STEEL, FORM LINERS, MISCELLANEOUS MATERIALS EQUIPMENT AND LABOR NECESSARY TO INSTALL THE CONCRETE WALL.

ITEM 524: DRILLED SHAFTS 30" OR 36" DIAMETER INTO BEDROCK, AS PER PLAN
IT WILL BE NECESSARY FOR THE CONTRACTOR TO EXCAVATE THROUGH THE OVERBURDEN ABOVE THE PROPOSED TOP OF DRILLED SHAFT ELEVATION. THIS EXCAVATION WILL BE THROUGH VARIOUS MATERIALS (SOILS, SHALES, AND SANDSTONES). THE QUANTITY OF THIS EXCAVATION INCLUDING ANY REQUIRED TEMPORARY CASINGS IS INCLUDED IN THE UNIT PRICE BID FOR ITEM 524: DRILLED SHAFTS 30" OR 36" DIAMETER INTO BEDROCK, AS PER PLAN.

ITEM 864: SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), AS PER PLAN
ALL EXPOSED CONCRETE SURFACES SHALL BE SEALED WITH AN EPOXY-URETHANE SEALER. THE SEALER SHALL BE COLORED AS SPECIFIED BY ODOT. SEE SHEET 13/15 FOR ADDITIONAL DETAILS OF SEALING.

ITEM SPECIAL: RETAINING WALL, MISC.: TIMBER LAGGING:
TIMBER LAGGING SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIAL PROVISION FOR ANCHORED SOLDIER BEAMS AND LAGGING WALL. VOIDS BETWEEN LAGGING AND EXCAVATION SHALL BE FILLED WITH GRANULAR MATERIAL.

EXCAVATION: ALL SOIL AND ROCK EXCAVATION NECESSARY IS INCLUDED IN ROADWAY PLANS FOR PAYMENT.

ITEM SPECIAL: RETAINING WALL, MISC.: TIEBACK ANCHORS
THIS ITEM SHALL INCLUDE ALL MATERIALS, EQUIPMENT AND LABOR NECESSARY TO INSTALL AND PROOF TEST THE ROCK ANCHORS AS SPECIFIED IN THE SPECIAL PROVISIONS FOR TIEBACK ANCHORS. THE CONTRACTOR IS TO SELECT AND DETAIL THE TIEBACK IN ACCORDANCE WITH THE SPECIAL PROVISION.

ITEM SPECIAL: RETAINING WALL, MISC.: GEOCOMPOSITE IN-PLANE DRAINS
THE CONTRACTOR SHALL PROVIDE AND INSTALL GEOCOMPOSITE DRAINS AS DETAILED IN DESIGN DRAWINGS AND SPECIFIED IN SPECIAL PROVISION FOR ANCHORED SOLDIER BEAMS AND LAGGING WALL.

ESTIMATED QUANTITIES

ITEM	ITEM EXTENSION	TOTAL	UNIT	DESCRIPTION	SEE SHEET
SPECIAL	512-67300	658	FT	WATERPROOFING, MISC.: PVC WATERSTOP	3/15
SPECIAL	512-67510	2179	SQ YD	SEALING OF CONCRETE SURFACES (EPOXY URETHANE), AS PER PLAN	3/15 & 13/15
516	13600	240	SQ FT	1" PREFORMED EXPANSION JOINT FILLER	
524	94604	480	FT	DRILLED SHAFTS, 30" DIAMETER INTO BEDROCK, AS PER PLAN	3/15
524	94704	840	FT	DRILLED SHAFTS, 36" DIAMETER INTO BEDROCK, AS PER PLAN	3/15
601	20001	487	SQ YD	CRUSHED AGGREGATE SLOPE PROTECTION	
SPECIAL	610-50000	226	EACH	RETAINING WALL, MISC.: TIEBACK ANCHORS	3/15
SPECIAL	610-50010	19973	SQ FT	RETAINING WALL, MISC.: TIMBER LAGGING	3/15
SPECIAL	610-50010	12868	SQ FT	RETAINING WALL, MISC.: GEOCOMPOSITE IN-PLANE DRAINS	3/15
842	51100	976	CU YD	CLASS C CONCRETE, MISC.: WALL FACING	3/15 & 13/15
863	95000	3266	FT	STRUCTURAL STEEL, MISC.: HP14x73 SOLDIER BEAMS WITH STUDS	3/15

QUANTITIES CALCULATED BY:	MJZ
QUANTITIES CHECKED BY:	LNB

WALL CONSTRUCTION SEQUENCE

THE PROPOSED WALL IS TO BE BUILT FROM THE TOP DOWN. THE PROPOSED CONSTRUCTION SEQUENECE IS AS FOLLOWS:

1. PERFORM EXCAVATION FOR DRILLED SHAFTS AND SOLDIER BEAMS, AND PLACED SOLDIER BEAMS INTO HOLE.
2. PLACE REINFORCEMENT FOR CONCRETE SHAFTS. FILL EXCAVATION WITH STRUCTURAL CONCRETE AND LEAN CONCRETE FILL, AS SHOWN ON THE PLANS.
3. EXCAVATE BETWEEN SOLDIER PILES DOWN TO 2 FEET BELOW FIRST ANCHOR ELEVATION; INSTALL TEMPORARY WOOD LAGGING AS EXCAVATION PROGRESSES.
4. INSTALL AND TEST THE FIRST ANCHOR, AND APPLY INITIAL PRESTRESS OF 25 KIPS PER ANCHOR.
5. ADVANCE EXCAVATION TO 2 FEET BELOW THE NEXT ANCHOR ELEVATION, INSTALLING TEMPORARY WOODEN LAGGING AS EXCAVATION PROGRESSES.
6. INSTALL AND TEST THE NEXT ANCHOR, AND APPLY INITIAL PRESTRESS OF 25 KIPS PER ANCHOR.
7. REPEAT STEPS 5 THROUGH 7 UNTIL THE EXCAVATION AND SOLDIER BEAM/ANCHOR INSTALLATION IS COMPLETED TO THE ELEVATIONS SHOWN ON THE PLANS.
8. BACKFILL BEHIND LAGGING AND SOLDIER BEAMS.
9. AFTER SPECIFIED CURING PERIOD FOR LOW STRENGTH MORTAR BACKFILL, APPLY A LOCK-OFF LOAD TO ALL ANCHORS OF 50% OF THE DESIGN LOAD SHOWN ON SHEET 12/15 .
10. CAST CONCRETE WALL FACING, ALONG WITH DECORATIVE MURAL, AS REQUIRED.

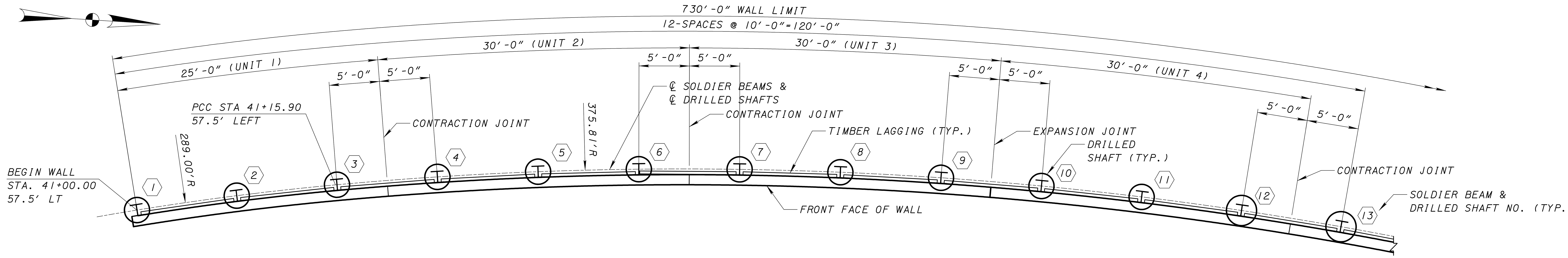
NUMBER	REVISION	DATE:	BY:
1	REVISED WALL PLANS	12/05	MJZ

DESIGN AGENCY: URS, 36 EAST 7TH STREET, SUITE 2300, CINCINNATI, OHIO 45202

DESIGNED VKG | CHECKED MJZ | DRAWN GJW | REVISED | REVIEWED | DATE | STRUCTURE FILE NUMBER 5300916 OH, 10385 WV

GENERAL NOTES & ESTIMATED QUANTITIES
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

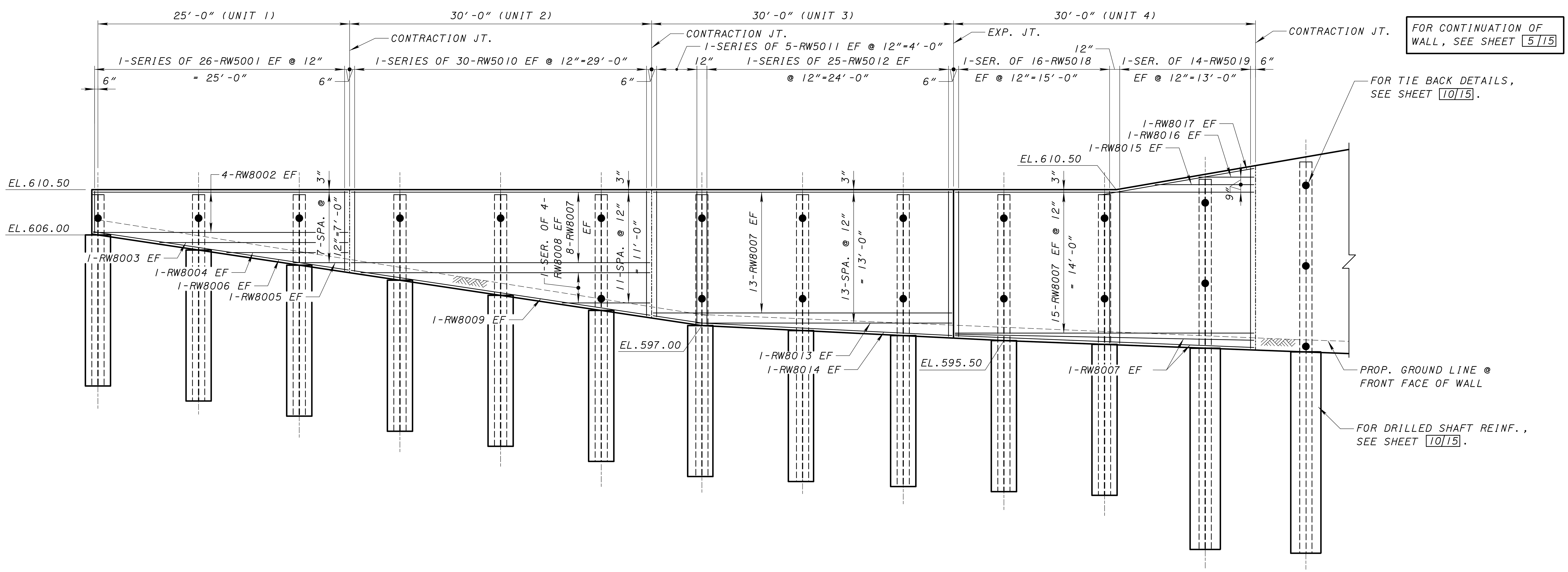
MEG-33-15.70



PART PLAN

NOTES

1. ALL PLAN DIMENSIONS ARE GIVEN ALONG ℄ SOLDIER BEAMS & ℄ DRILLED SHAFTS UNLESS NOTED.
2. FOR REINFORCING STEEL LIST, SEE SHEETS 14/15 & 15/15.
3. FOR TYPICAL SECTION THROUGH WALL AND CONTRACTION & EXPANSION JOINT DETAILS, SEE SHEET 10/15.



PART ELEVATION

NUMBER	REVISION	DATE	BY
1	REVISED WALL PLANS	12/05	MJZ

DESIGN AGENCY: URS, 36 EAST 7TH STREET, SUITE 2300, CINCINNATI, OHIO 45202

DESIGNED VKG | CHECKED MJZ | DRAWN GJW | REVISED | REVIEWED | DATE

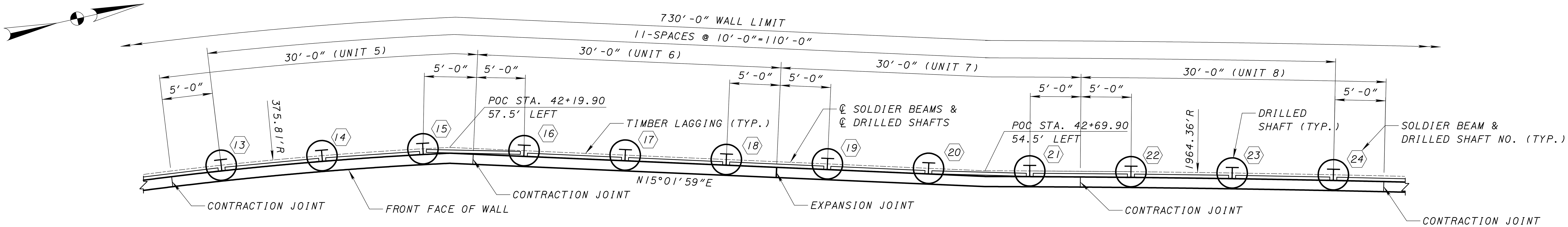
STRUCTURE FILE NUMBER 5300916 OH 10385 WV

RETAINING WALL - UNITS 1 THRU 4

BRIDGE NO. MEG-33-1570

POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70



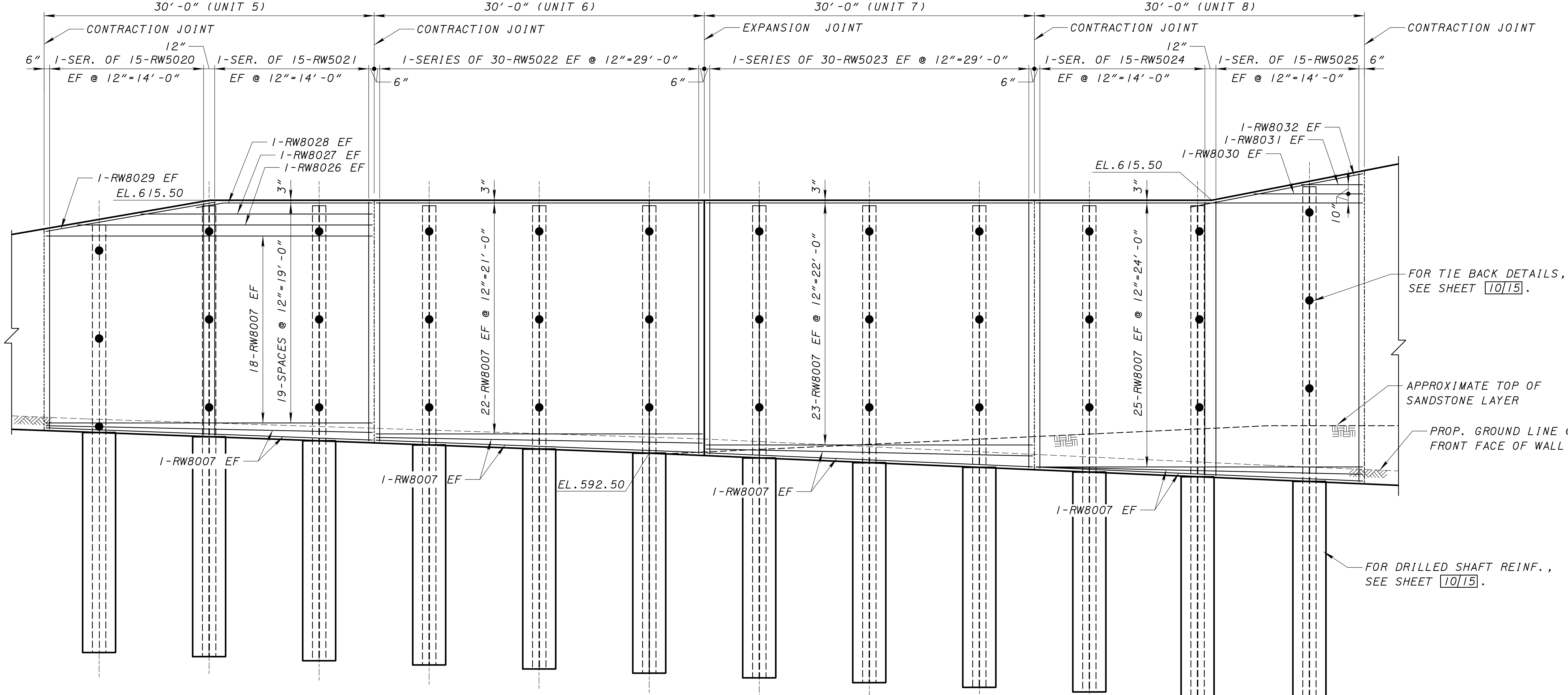
PART PLAN

NOTES

1. ALL PLAN DIMENSIONS ARE GIVEN ALONG ℄ SOLDIER BEAMS & ℄ DRILLED SHAFTS UNLESS NOTED.
2. FOR REINFORCING STEEL LIST, SEE SHEETS 14/15 & 15/15.
3. FOR TYPICAL SECTION THROUGH WALL AND CONTRACTION & EXPANSION JOINT DETAILS, SEE SHEET 10/15.

FOR CONTINUATION OF WALL, SEE SHEET 4/15

FOR CONTINUATION OF WALL, SEE SHEET 6/15



PART ELEVATION

NUMBER	REVISION	DATE	BY
1	REVISED WALL PLANS	12/05	MJZ

DESIGN AGENCY: URS, 36 EAST 7TH STREET, SUITE 2300, CINCINNATI, OHIO 45202

REVIEWED / DATE / STRUCTURE FILE NUMBER: 5300916 OH, 10385 WV

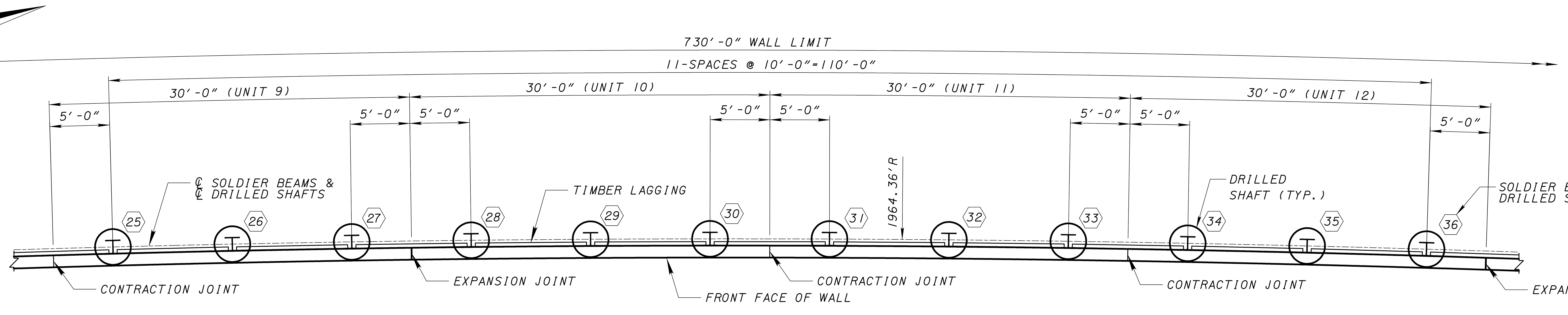
DRAWN: GJW · REVISED · DESIGNED: VKG · CHECKED: MJZ

RETAINING WALL - UNITS 5 THRU 8

BRIDGE NO. MEG-33-1570

POMEROY MASON BRIDGE OVER OHIO RIVER

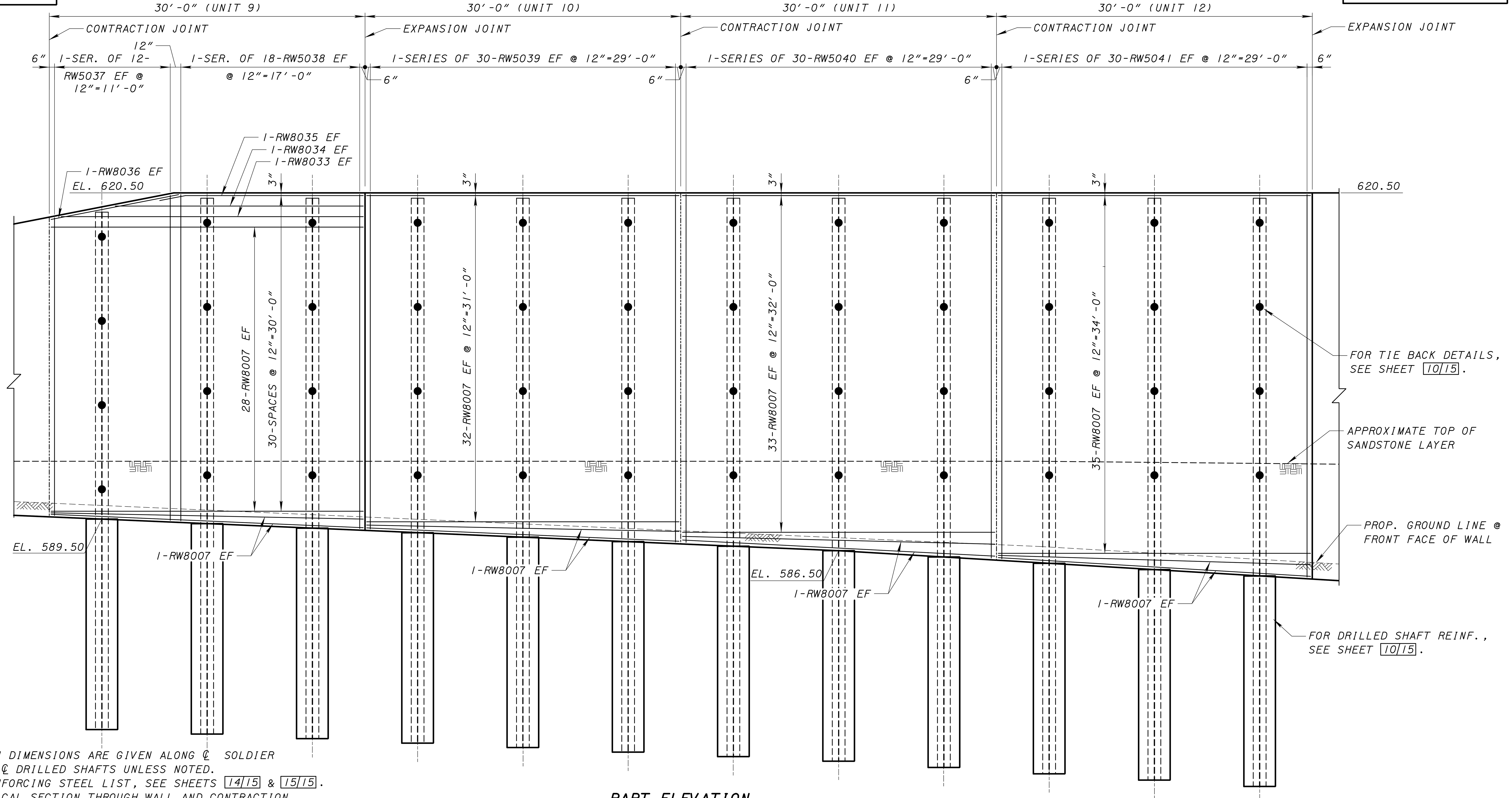
MEG-33-15.70



PART PLAN

FOR CONTINUATION OF WALL, SEE SHEET 5/15

FOR CONTINUATION OF WALL, SEE SHEET 7/15



NOTES

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2. FOR REINFORCING STEEL LIST, SEE SHEETS 14/15 & 15/15.
3. FOR TYPICAL SECTION THROUGH WALL AND CONTRACTION & EXPANSION JOINT DETAILS, SEE SHEET 10/15.

PART ELEVATION

NUMBER	REVISION	DATE	BY
1	REVISED WALL PLANS	12/05	MJZ

DESIGN AGENCY: URS, 36 EAST 7TH STREET, SUITE 2300, CINCINNATI, OHIO 45202

REVIEWED | DATE | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

DRAWN GJW | REVISED

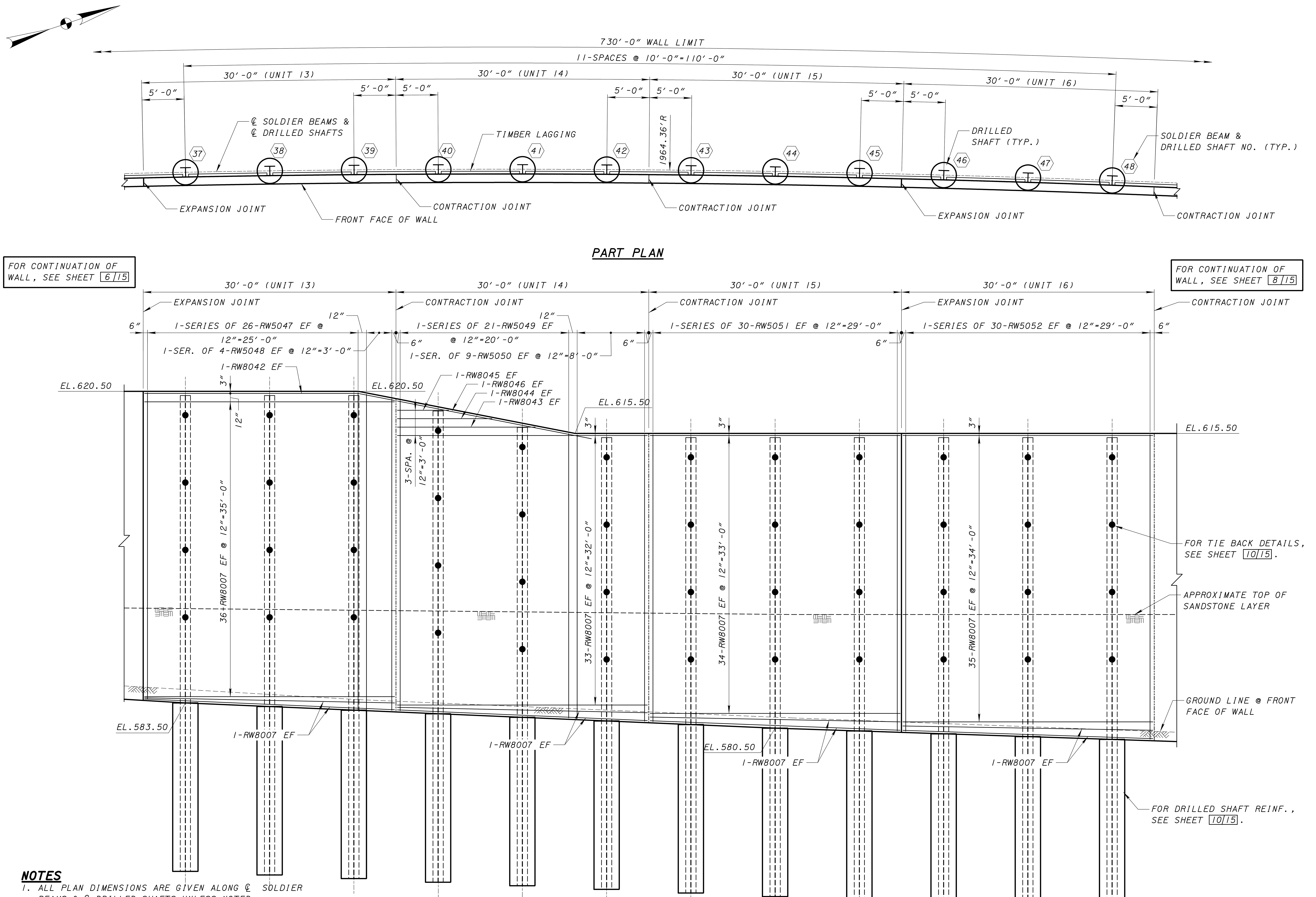
DESIGNED VKG | CHECKED MJZ

RETAINING WALL - UNITS 9 THRU 12

BRIDGE NO. MEG-33-1570

POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70



NOTES

1. ALL PLAN DIMENSIONS ARE GIVEN ALONG ℄ SOLDIER BEAMS & ℄ DRILLED SHAFTS UNLESS NOTED.
2. FOR REINFORCING STEEL LIST, SEE SHEETS 14/15 & 15/15.
3. FOR TYPICAL SECTION THROUGH WALL AND CONTRACTION & EXPANSION JOINT DETAILS, SEE SHEET 10/15.

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NUMBER	REVISION	DATE	BY
1	REVISED WALL PLANS	12/05	MJZ

DESIGN AGENCY: URS, 36 EAST 7TH STREET, SUITE 2300, CINCINNATI, OHIO 45202

REVIEWED — DATE — STRUCTURE FILE NUMBER 5300916 OH, 10385 WV

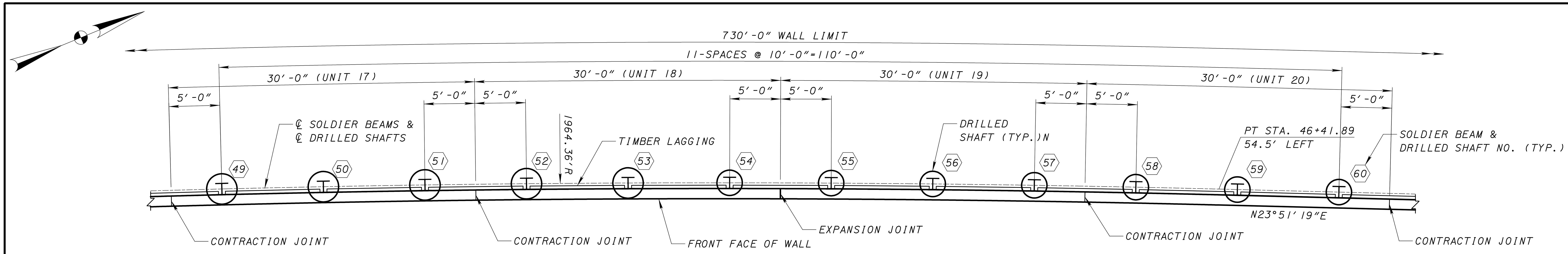
DRAWN GJW — REVISED

DESIGNED VKG — CHECKED MJZ

RETAINING WALL - UNITS 13 THRU 16

BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

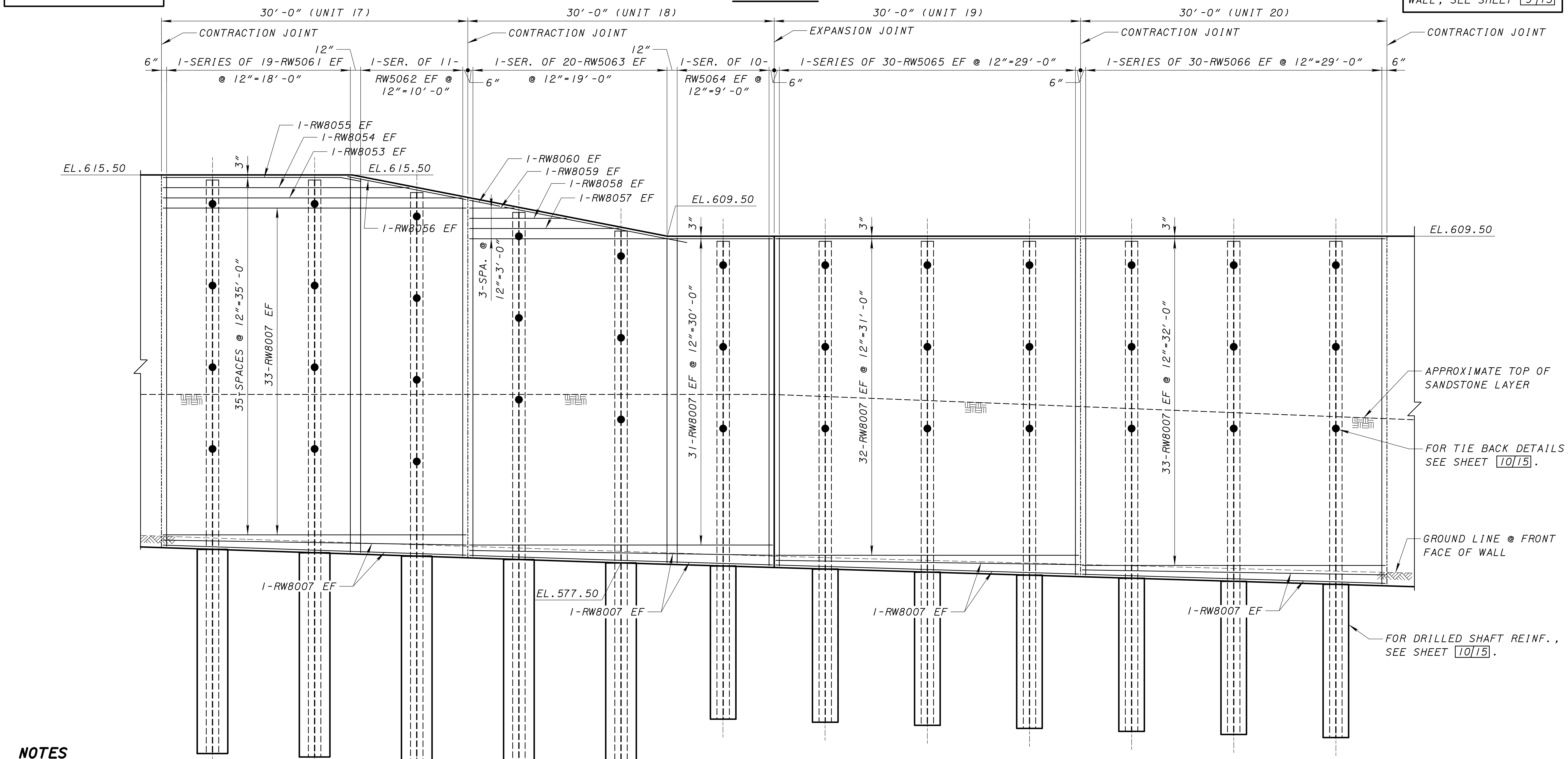
MEG-33-15.70



FOR CONTINUATION OF WALL, SEE SHEET 7/15

PART PLAN

FOR CONTINUATION OF WALL, SEE SHEET 9/15



NOTES

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2. FOR REINFORCING STEEL LIST, SEE SHEETS 14/15 & 15/15.
3. FOR TYPICAL SECTION THROUGH WALL AND CONTRACTION & EXPANSION JOINT DETAILS, SEE SHEET 10/15.

PART ELEVATION

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NUMBER	REVISION	DATE	BY
1	REVISED WALL PLANS	12/05	MJZ

DESIGN AGENCY: URS, 36 EAST 7TH STREET, SUITE 2300, CINCINNATI, OHIO 45202

REVIEWED | DATE | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

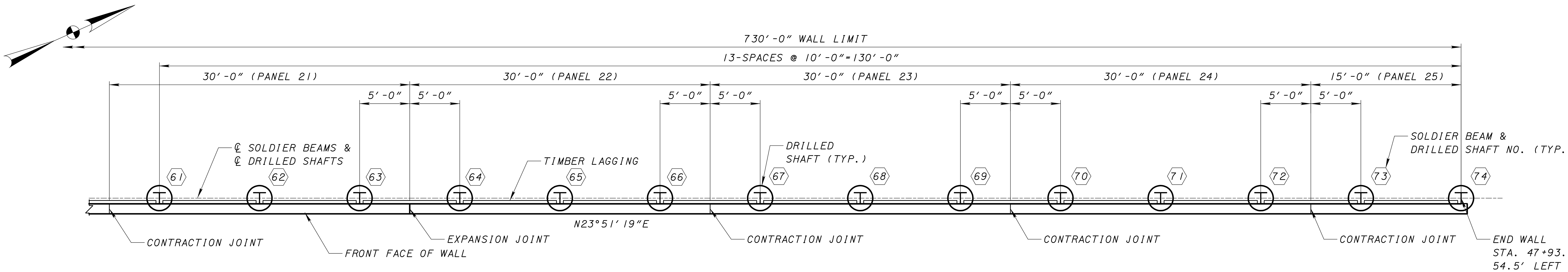
DESIGNED VKG | CHECKED MJZ | DRAWN GJW | REVISED

RETAINING WALL - UNITS 17 THRU 20
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

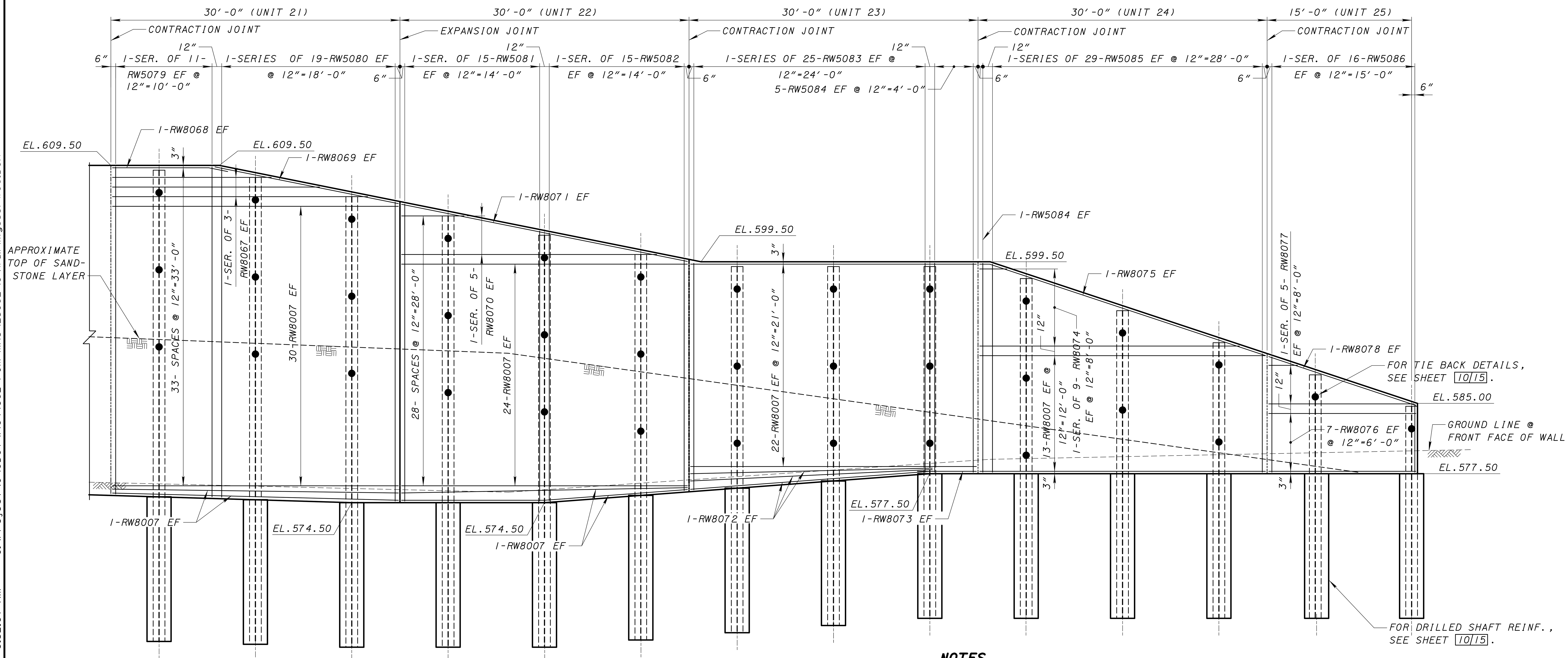
8/15

237G/582



FOR CONTINUATION OF WALL, SEE SHEET 8/15

PART PLAN



PART ELEVATION

NOTES

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2. FOR REINFORCING STEEL LIST, SEE SHEETS 14/15 & 15/15.
3. FOR TYPICAL SECTION THROUGH WALL AND CONTRACTION & EXPANSION JOINT DETAILS, SEE SHEET 10/15.

NUMBER	REVISION	DATE	BY
1	REVISED WALL PLANS	12/05	MJZ

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STRUCTURE FILE NUMBER 5300916 OH, 10385 WV

DESIGNED VKG | DRAWN GJW | CHECKED MJZ | REVIEWED | DATE | REVISED

RETAINING WALL - UNITS 21 THRU 25

BRIDGE NO. MEG-33-1570

POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

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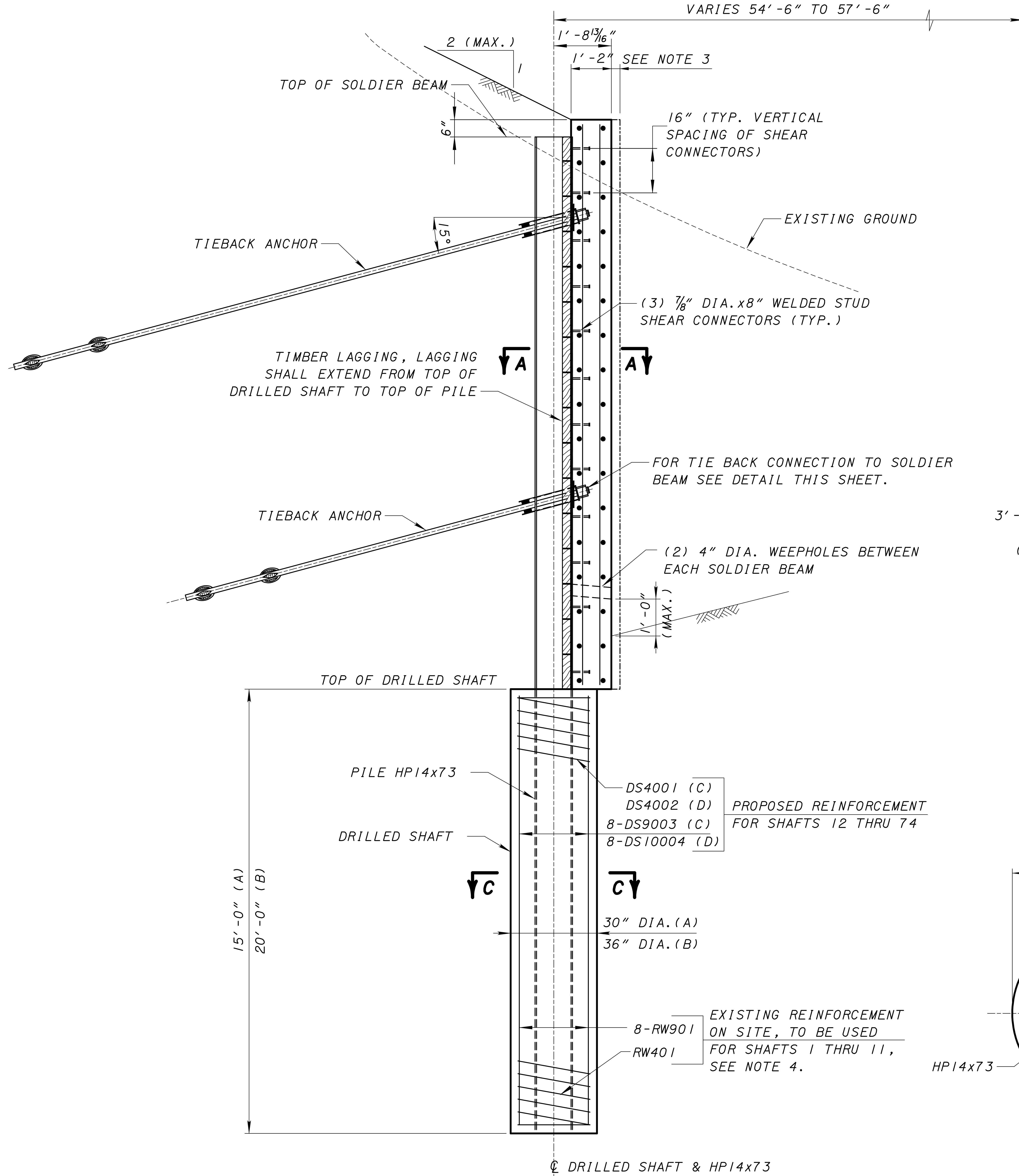
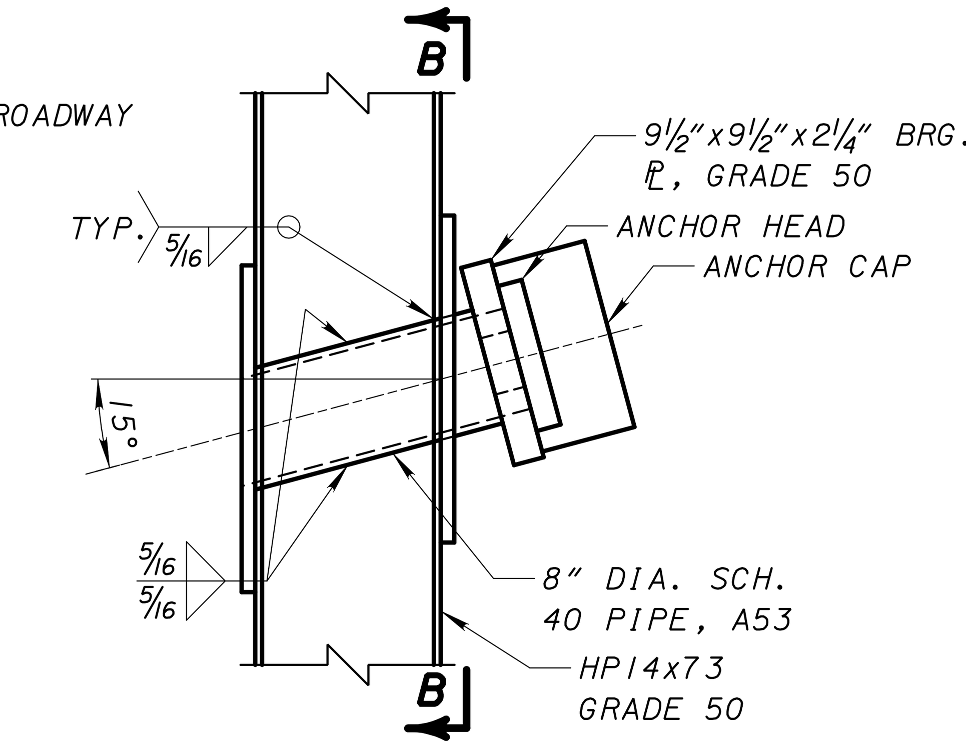
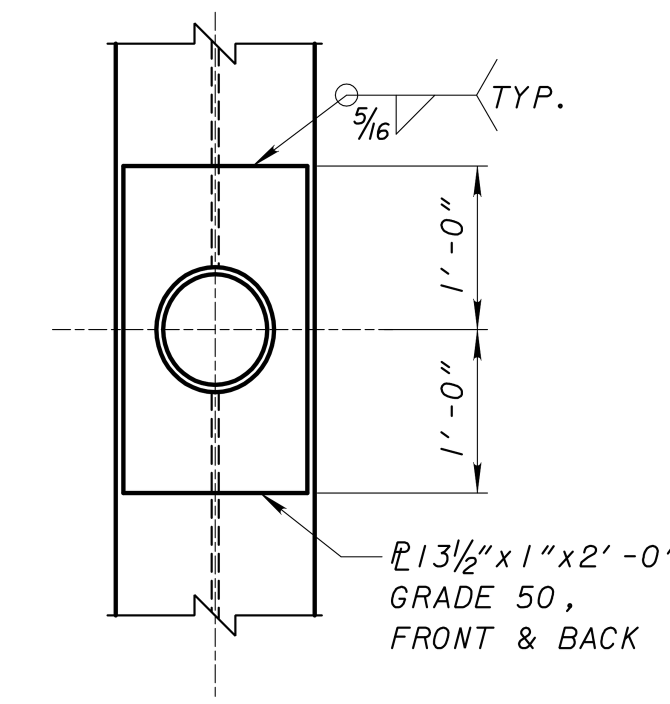


TYPICAL WALL SECTION

(A) = SHAFTS 1 - 11 & 54 - 74
(B) = SHAFTS 12 - 53
(C) = SHAFTS 54 - 74
(D) = SHAFTS 12 - 53

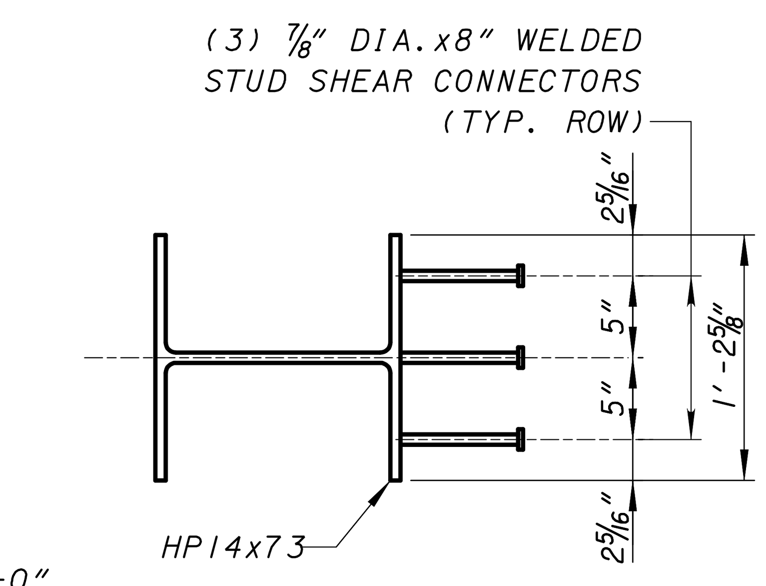


SIDE ELEVATION



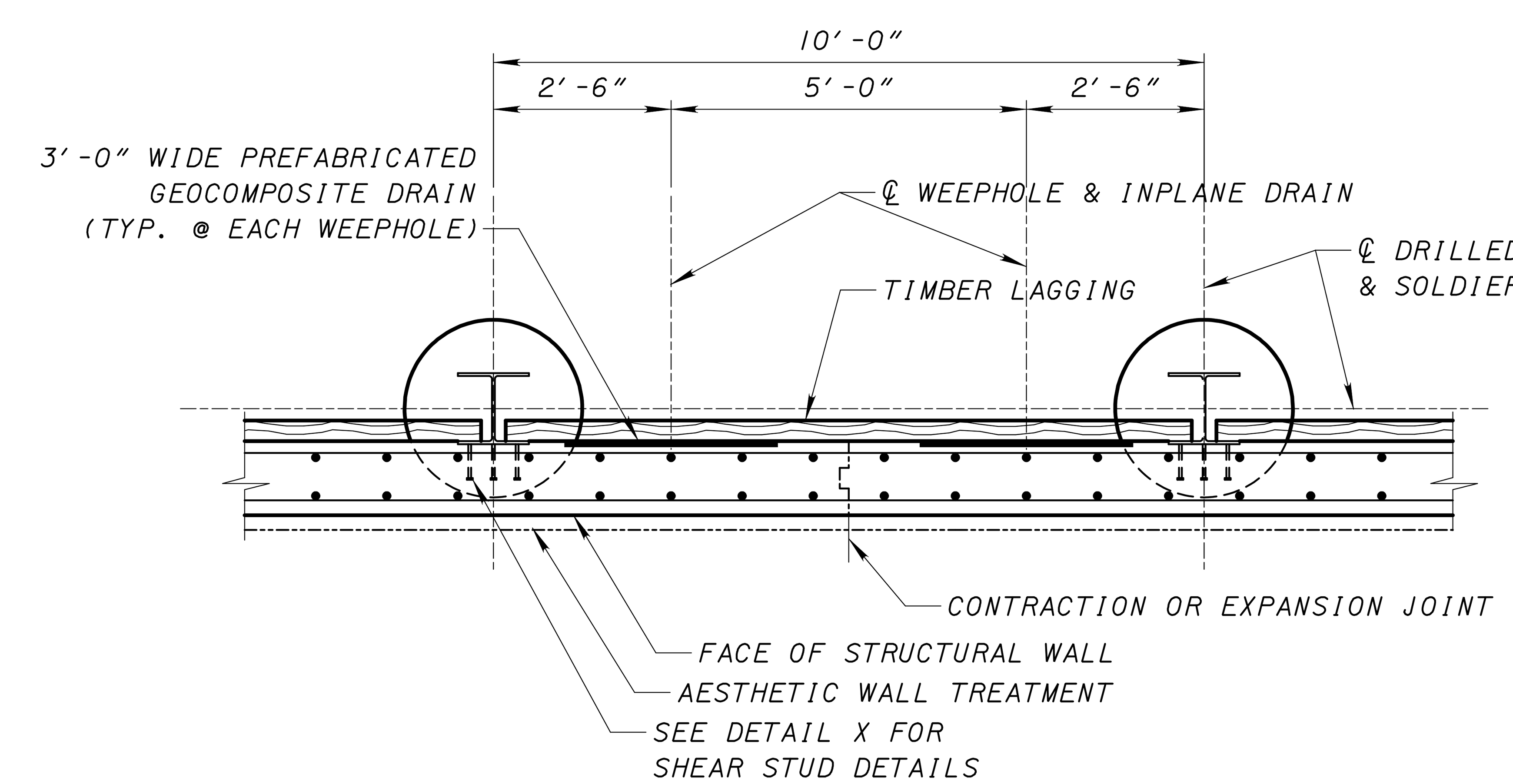
SECTION B-B

DETAIL X
TIE BACK CONNECTION TO SOLDIER BEAM

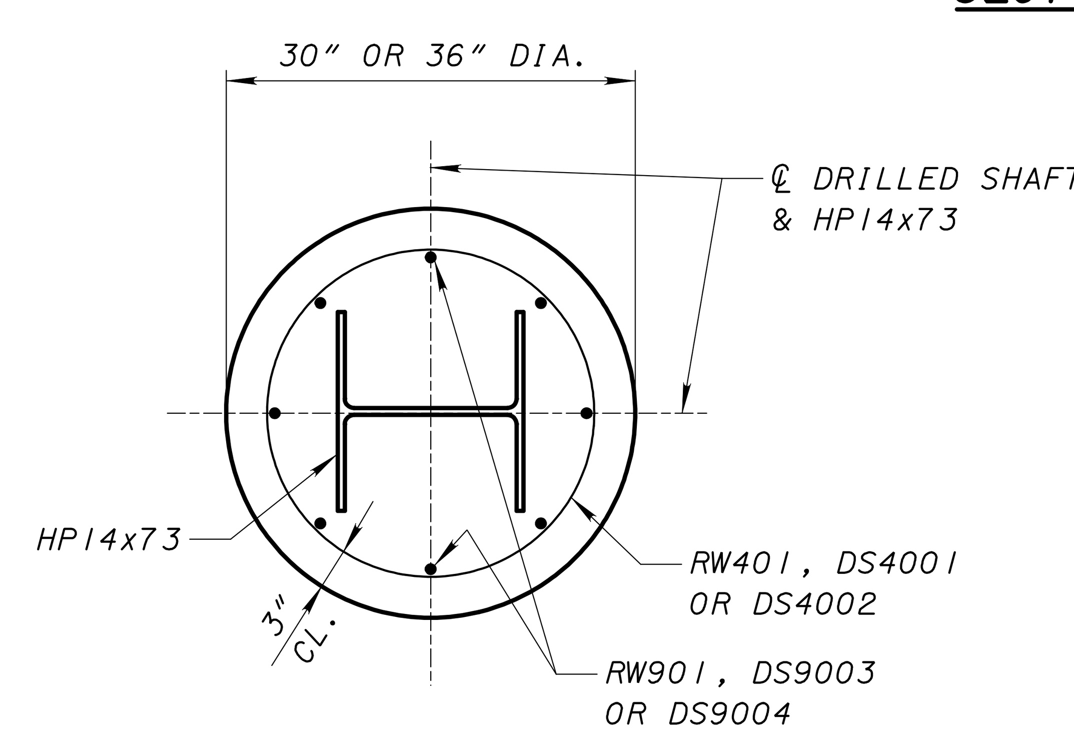


DETAIL X

NOTE: WELDING OF SHEAR CONNECTORS IS TO BE IN ACCORDANCE WITH 513.22 OF THE CMS.



SECTION A-A



SECTION C-C

NOTES

1. HP14X73 AND ANCHOR STUDS SHALL BE IN ACCORDANCE WITH SUPPLEMENTAL SPECIFICATION 863, AND SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 524, DRILLED SHAFTS, 30" DIAMETER, AS PER PLAN.
2. TEMPORARY LAGGING SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 842, CLASS C CONCRETE.
3. ADDITIONAL THICKNESS AS REQUIRED TO ACCOMODATE FORMLINER. AESTHETIC IMAGE SHALL NOT ENCROACH ON THE 12" WALL THICKNESS.
4. RW901 & RW401 COMPRISE STEEL REINFORCING CAGES THAT WERE PREFABRICATED FOR THE WALL DETAILED IN ORIGINAL CONSTRUCTION PLANS. THESE CAGES SHALL BE USED FOR REINFORCING SHAFTS 1 THRU 15.

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DESIGNED	DRAWN	REVIEWED	DATE
VKG	JDP		
CHECKED	REVISED	STRUCTURE FILE NUMBER	
MJZ		5300916 OH 10385 WV	

RETAINING WALL DETAILS (1)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

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2371 / 582

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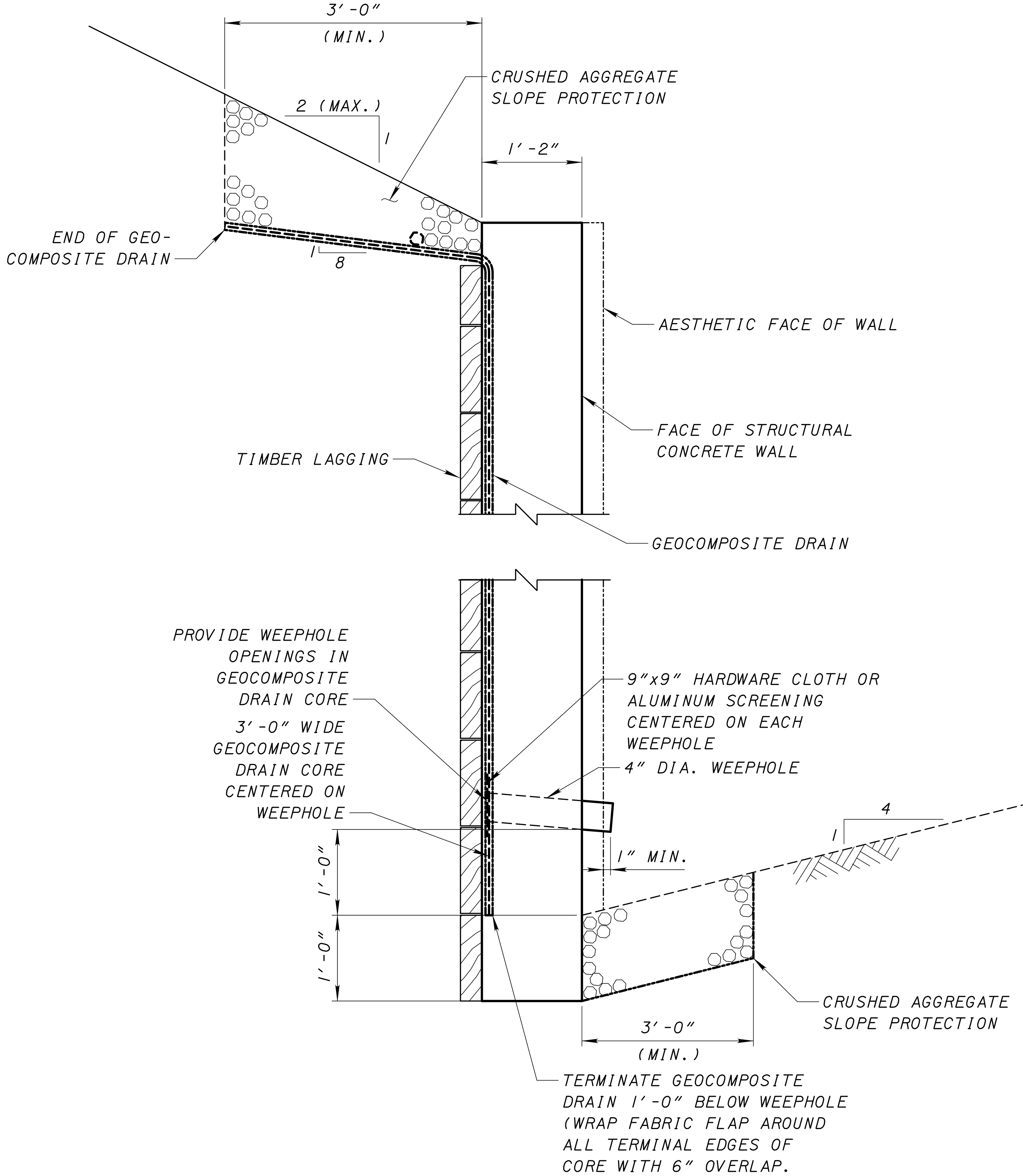
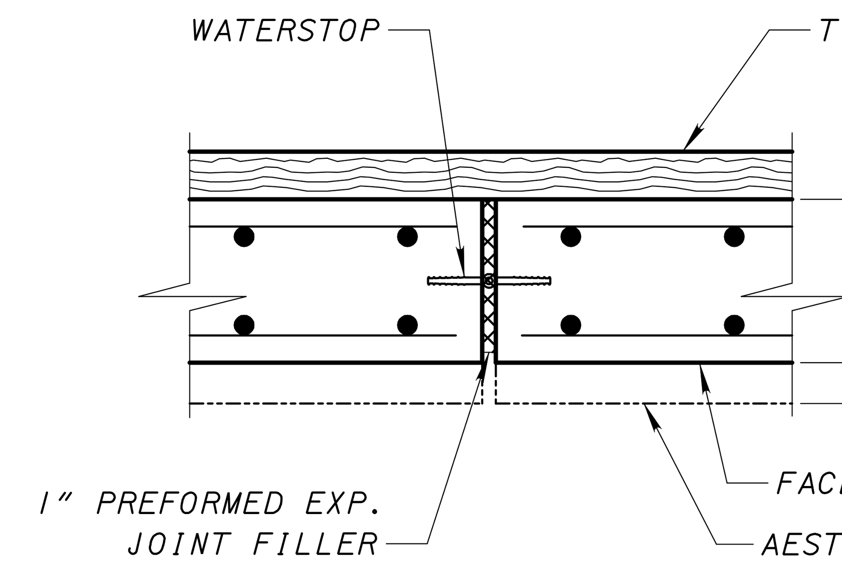
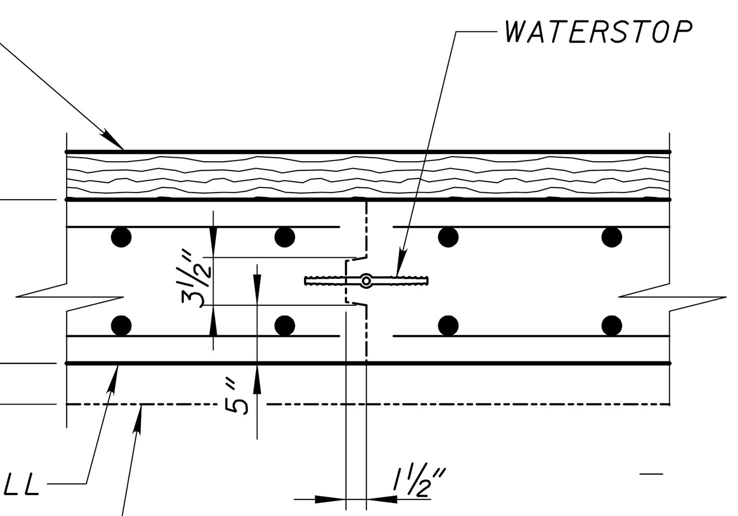


GEOCOMPOSITE DRAIN DETAILS



EXPANSION JOINT DETAIL



CONTRACTION JOINT DETAIL

NUMBER	REVISION	DATE	BY
1	REVISED WALL PLANS	12/05	MJZ

DESIGN AGENCY: URS, 36 EAST 7TH STREET, SUITE 2300, CINCINNATI, OHIO 45202

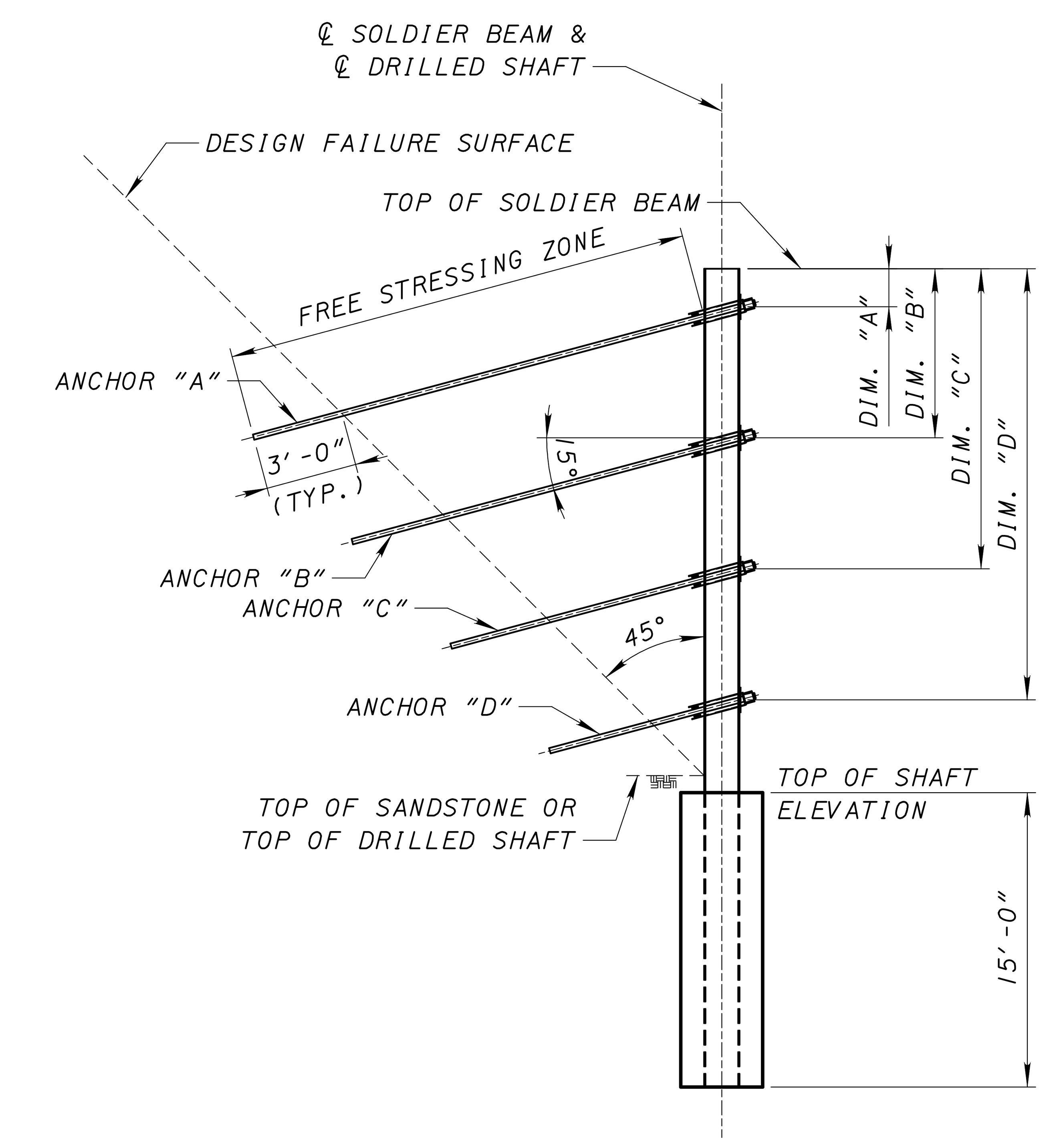
DESIGNED: VKG | DRAWN: JDP | REVIEWED | DATE
CHECKED: MJZ | REVISED | STRUCTURE FILE NUMBER: 5300916 OH, 10385 WV

RETAINING WALL DETAILS (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

SOLDIER BEAM AND ANCHOR SCHEDULE

BEAM NUMBER	STATION	OFFSET	TOP OF BEAM ELEV.	TOP OF SHAFT ELEV.	DRILLED SHAFT LENGTH	TOTAL NO. OF ANCHORS	ANCHOR A			ANCHOR B			ANCHOR C			ANCHOR D		
							DIM A	FREE STRESSING ZONE	DESIGN LOAD (KIPS)	DIM B	FREE STRESSING ZONE	DESIGN LOAD (KIPS)	DIM C	FREE STRESSING ZONE	DESIGN LOAD (KIPS)	DIM D	FREE STRESSING ZONE	DESIGN LOAD (KIPS)
1	41+00.00	57.50	610.00	606.00	15'-0"	1	2'-4"	5'-0"	105									
2	41+08.01	57.50	610.00	604.50	15'-0"	1	2'-4"	7'-0"	105									
3	41+16.03	57.50	610.00	603.00	15'-0"	1	2'-4"	8'-0"	105									
4	41+24.50	57.50	610.00	601.50	15'-0"	1	2'-4"	10'-0"	105									
5	41+32.97	57.50	610.00	600.00	15'-0"	1	2'-4"	11'-0"	105									
6	41+41.44	57.50	610.00	598.50	15'-0"	2	2'-4"	13'-0"	105	10'-4"	5'-0"	105						
7	41+49.91	57.50	610.00	597.00	15'-0"	2	2'-4"	14'-0"	105	10'-4"	6'-0"	105						
8	41+58.38	57.50	610.00	596.50	15'-0"	2	2'-4"	15'-0"	105	10'-4"	7'-0"	105						
9	41+66.85	57.50	610.00	596.00	15'-0"	2	2'-4"	15'-0"	105	10'-4"	7'-0"	105						
10	41+75.32	57.50	610.00	595.50	15'-0"	2	2'-4"	16'-0"	105	10'-4"	7'-0"	105						
11	41+83.79	57.50	610.00	595.13	15'-0"	2	2'-4"	16'-0"	105	10'-4"	7'-0"	105						
12	41+92.26	57.50	611.53	594.75	20'-0"	2	2'-4"	18'-0"	145	10'-4"	10'-0"	105						
13	42+00.73	57.50	613.26	594.38	20'-0"	3	2'-4"	20'-0"	145	10'-4"	12'-0"	145	18'-4"	4'-0"	105			
14	42+09.20	57.50	615.00	594.00	20'-0"	3	2'-4"	22'-0"	145	10'-4"	14'-0"	145	18'-4"	6'-0"	105			
15	42+17.67	57.50	615.00	593.63	20'-0"	3	2'-4"	23'-0"	145	10'-4"	15'-0"	145	18'-4"	7'-0"	105			
16	42+26.13	56.90	615.00	593.25	20'-0"	3	2'-4"	23'-0"	145	10'-4"	15'-0"	145	18'-4"	7'-0"	105			
17	42+35.38	56.27	615.00	592.88	20'-0"	3	2'-4"	23'-0"	145	10'-4"	15'-0"	145	18'-4"	7'-0"	105			
18	42+45.08	55.71	615.00	592.50	20'-0"	3	2'-4"	24'-0"	145	10'-4"	16'-0"	145	18'-4"	8'-0"	105			
19	42+54.78	55.20	615.00	592.07	20'-0"	3	2'-4"	23'-0"	145	10'-4"	15'-0"	145	18'-4"	7'-0"	105			
20	42+64.49	54.73	615.00	591.64	20'-0"	3	2'-4"	23'-0"	145	10'-4"	15'-0"	145	18'-4"	7'-0"	105			
21	42+74.21	54.50	615.00	591.21	20'-0"	3	2'-4"	22'-0"	145	10'-4"	14'-0"	145	18'-4"	6'-0"	105			
22	42+83.93	54.50	615.00	590.79	20'-0"	3	2'-4"	22'-0"	145	10'-4"	14'-0"	145	18'-4"	6'-0"	105			
23	42+93.65	54.50	615.00	590.36	20'-0"	3	2'-4"	21'-0"	145	10'-4"	13'-0"	145	18'-4"	5'-0"	105			
24	43+03.37	54.50	616.73	589.93	20'-0"	3	2'-4"	23'-0"	145	10'-4"	15'-0"	145	18'-4"	7'-0"	105			
25	43+13.10	54.50	618.67	589.50	20'-0"	4	2'-4"	25'-0"	145	10'-4"	17'-0"	145	18'-4"	9'-0"	145	26'-4"	3'-0"	105
26	43+22.82	54.50	620.00	589.07	20'-0"	4	2'-4"	26'-0"	145	10'-4"	18'-0"	145	18'-4"	10'-0"	145	26'-4"	3'-0"	105
27	43+32.54	54.50	620.00	588.64	20'-0"	4	2'-4"	26'-0"	145	10'-4"	18'-0"	145	18'-4"	10'-0"	145	26'-4"	3'-0"	105
28	43+42.26	54.50	620.00	588.21	20'-0"	4	2'-4"	26'-0"	145	10'-4"	18'-0"	145	18'-4"	10'-0"	145	26'-4"	3'-0"	105
29	43+51.99	54.50	620.00	587.79	20'-0"	4	2'-4"	26'-0"	145	10'-4"	18'-0"	145	18'-4"	10'-0"	145	26'-4"	3'-0"	105
30	43+61.71	54.50	620.00	587.36	20'-0"	4	2'-4"	26'-0"	145	10'-4"	18'-0"	145	18'-4"	10'-0"	145	26'-4"	3'-0"	105
31	43+71.43	54.50	620.00	586.93	20'-0"	4	2'-4"	26'-0"	145	10'-4"	18'-0"	145	18'-4"	10'-0"	145	26'-4"	3'-0"	105
32	43+81.15	54.50	620.00	586.50	20'-0"	4	2'-4"	26'-0"	145	10'-4"	18'-0"	145	18'-4"	10'-0"	145	26'-4"	3'-0"	105
33	43+90.88	54.50	620.00	585.90	20'-0"	4	2'-4"	26'-0"	145	10'-4"	18'-0"	145	18'-4"	10'-0"	145	26'-4"	3'-0"	105
34	44+00.60	54.50	620.00	585.30	20'-0"	4	2'-4"	26'-0"	145	10'-4"	18'-0"	145	18'-4"	10'-0"	145	26'-4"	3'-0"	105
35	44+10.32	54.50	620.00	584.70	20'-0"	4	2'-4"	26'-0"	145	10'-4"	18'-0"	145	18'-4"	10'-0"	145	26'-4"	3'-0"	105
36	44+20.04	54.50	620.00	584.10	20'-0"	4	2'-4"	26'-0"	145	10'-4"	18'-0"	145	18'-4"	10'-0"	145	26'-4"	3'-0"	105
37	44+29.77	54.50	620.00	583.50	20'-0"	4	2'-4"	26'-0"	145	10'-4"	18'-0"	145	18'-4"	10'-0"	145	26'-4"	3'-0"	105
38	44+39.49	54.50	620.00	583.07	20'-0"	4	2'-4"	26'-0"	145	10'-4"	18'-0"	145	18'-4"	10'-0"	145	26'-4"	3'-0"	105
39	44+49.21	54.50	620.00	582.64	20'-0"	4	2'-4"	27'-0"	145	10'-4"	19'-0"	145	18'-4"	11'-0"	145	26'-4"	3'-0"	105
40	44+58.93	54.50	618.16	582.21	20'-0"	4	2'-4"	25'-0"	145	10'-4"	17'-0"	145	18'-4"	9'-0"	145	26'-4"	3'-0"	105
41	44+68.66	54.50	616.22	581.79	20'-0"	4	2'-4"	23'-0"	145	10'-4"	15'-0"	145	18'-4"	7'-0"	145	26'-4"	3'-0"	105
42	44+78.38	54.50	615.00	581.36	20'-0"	4	2'-4"	22'-0"	145	10'-4"	14'-0"	145	18'-4"	6'-0"	145	26'-4"	3'-0"	105
43	44+88.10	54.50	615.00	580.93	20'-0"	4	2'-4"	22'-0"	145	10'-4"	14'-0"	145	18'-4"	6'-0"	145	26'-4"	3'-0"	105
44	44+97.82	54.50	615.00	580.50	20'-0"	4	2'-4"	22'-0"	145	10'-4"	14'-0"	145	18'-4"	6'-0"	145	26'-4"	3'-0"	105
45	45+07.55	54.50	615.00	580.17	20'-0"	4	2'-4"	22'-0"	145	10'-4"	14'-0"	145	18'-4"	6'-0"	145	26'-4"	3'-0"	105
46	45+17.27	54.50	615.00	579.83	20'-0"	4	2'-4"	22'-0"	145	10'-4"	14'-0"	145	18'-4"	6'-0"	145	26'-4"	3'-0"	105
47	45+26.99	54.50	615.00	579.50	20'-0"	4	2'-4"	22'-0"	145	10'-4"	14'-0"	145	18'-4"	6'-0"	145	26'-4"	3'-0"	105
48	45+36.71	54.50	615.00	579.17	20'-0"	4	2'-4"	22'-0"	145	10'-4"	14'-0"	145	18'-4"	6'-0"	145	26'-4"	3'-0"	105
49	45+46.44	54.50	615.00	578.83	20'-0"	4	2'-4"	22'-0"	145	10'-4"	14'-0"	145	18'-4"	6'-0"	145	26'-4"	3'-0"	105
50	45+56.16	54.50	615.00	578.50	20'-0"	4	2'-4"	22'-0"	145	10'-4"	14'-0"	145	18'-4"	6'-0"	145	26'-4"	3'-0"	105
51	45+65.88	54.50	613.77	578.17	20'-0"	4	2'-4"	21'-0"	145	10'-4"	13'-0"	145	18'-4"	5'-0"	145	26'-4"	3'-0"	105
52	45+75.61	54.50	611.83	577.83	20'-0"	3	2'-4"	19'-0"	145	10'-4"	11'-0"	145	18'-4"	3'-0"	105			
53	45+85.33	54.50	610.00	577.50	20'-0"	3	2'-4"	17'-0"	145	10'-4"	9'-0"	145	18'-4"	3'-0"	105			
54	45+95.05	54.50	609.00	577.20	15'-0"	3	2'-4"	16'-0"	105	10'-4"	8'-0"	105	18'-4"	3'-0"	105			
55	46+04.77	54.50	609.00	576.90	15'-0"	3	2'-4"	17'-0"	105	10'-4"	9'-0"	105	18'-4"	3'-0"	105			
56	46+14.50	54.50	609.00	576.60	15'-0"	3	2'-4"	17'-0"	105	10'-4"	9'-0"	105	18'-4"	3'-0"	105			
57	46+24.22	54.50	609.00	576.30	15'-0"	3	2'-4"	17'-0"	105	10'-4"	9'-0"	105	18'-4"	3'-0"	105			
58	46+33.94	54.50	609.00	576.00	15'-0"	3	2'-4"	18'-0"	105	10'-4"	10'-0"	105	18'-4"	3'-0"	105			
59	46+43.72	54.50	609.00	575.70	15'-0"	3	2'-4"	18'-0"	105	10'-4"	10'-0"	105	18'-4"	3'-0"	105			
60	46+53.72	54.50	609.00	575.40	15'-0"	3	2'-4"	19'-0"	105	10'-4"	11'-0"	105	18'-4"	3'-0"	105			
61	46+63.72	54.50	609.00	575.10	15'-0"	3	2'-4"	19'-0"	105	10'-4"	11'-0"	105	18'-4"	3'-0"	105			
62	46+73.72	54.50	608.25	574.80	15'-0"	3	2'-4"	19'-0"	105	10'-4"	11'-0"	105	18'-4"	3'-0"	105			
63	46+83.72	54.50	606.25	574.50	15'-0"	3	2'-4"	17'-0"	105	10'-4"	9'-0"	105	18'-4"	3'-0"	105			
64	46+93.72	54.50	604.25	574.50	15'-0"	3	2'-4"	15'-0"	105	10'-4"	7'-0"	105	18'-4"	3'-0"	105			
65	47+03.72	54.50	602.25	574.50	15'-0"	3	2'-4"	15'-0"	105	10'-4"	7'-0"	105	18'-4"	3'-0"	105			
66	47+13.72	54.50	600.25	575.25	15'-0"	3	2'-4"	14'-0"	105	10'-4"	6'-0"	105	18'-4"	3'-0"	105			
67	47+23.72	54.50	599.00	576.00	15'-0"	3	2'-4"	14'-0"	105	10'-4"	6'-0"	105	18'-4"	3'-0"	105			
68	47+33.72	54.50	599.00	576.75	15'-0"	3	2'-4"	15'-0"	105	10'-4"	7'-0"	105	18'-4"	3'-0"	105			
69	47+43.72	54.50	599.00	577.50	15'-0"	3	2'-4"	16'-0"	105	10'-4"	8'-0"	105	18'-4"	3'-0"	105			
70	47+53.72	54.50	597.75	577.50	15'-0"	3	2'-4"	16'-0"	105	10'-4"	8'-0"	105	18'-4"	3'-0"	105			
71	47+63.72	54.50	594.42	577.50	15'-0"	2	2'-4"	14'-0"	105	10'-4"	6'-0"	105						
72	47+73.72	54.50	591.09	577.50	15'-0"	2	2'-4"	12'-0"	105	10'-4"	4'-0"	105						
73	47+83.72	54.50	587.76	577.50	15'-0"	1	2'-4"	10'-0"	105									
74	74+93.72	54.50	584.50	577.50	15'-0"	1	2'-4"	8'-0"	105									



SOLDIER BEAM ANCHORS LAYOUT

NUMBER	REVISION	DATE	BY
1	REVISED WALL PLANS	12/05	MJZ

URS
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGN AGENCY

DESIGNED VKG	DRAWN GJW	REVIEWED	DATE
CHECKED MJZ	REVISED	STRUCTURE FILE NUMBER 5300916 OH 10385 WV	

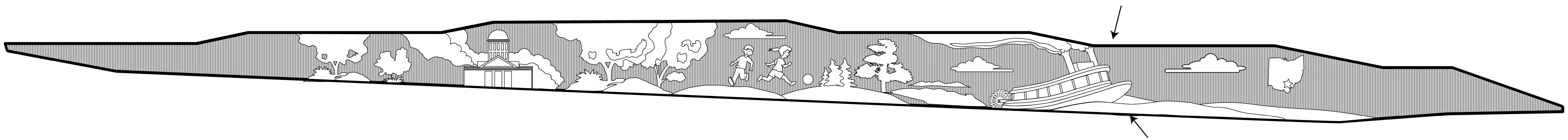
TIEBACK ANCHOR SCHEDULE
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

12 / 15

237K / 582

J:\Project\O\ODOT\4944862 POM-MAS\25862-18\wall\mg833wd02.dgn 9:30:48 AM 1/12/2011



THIS AREA TO BE SEALED WITH "LIGHT NEUTRAL" COLORED SEALER, FEDERAL COLOR NUMBER 17778

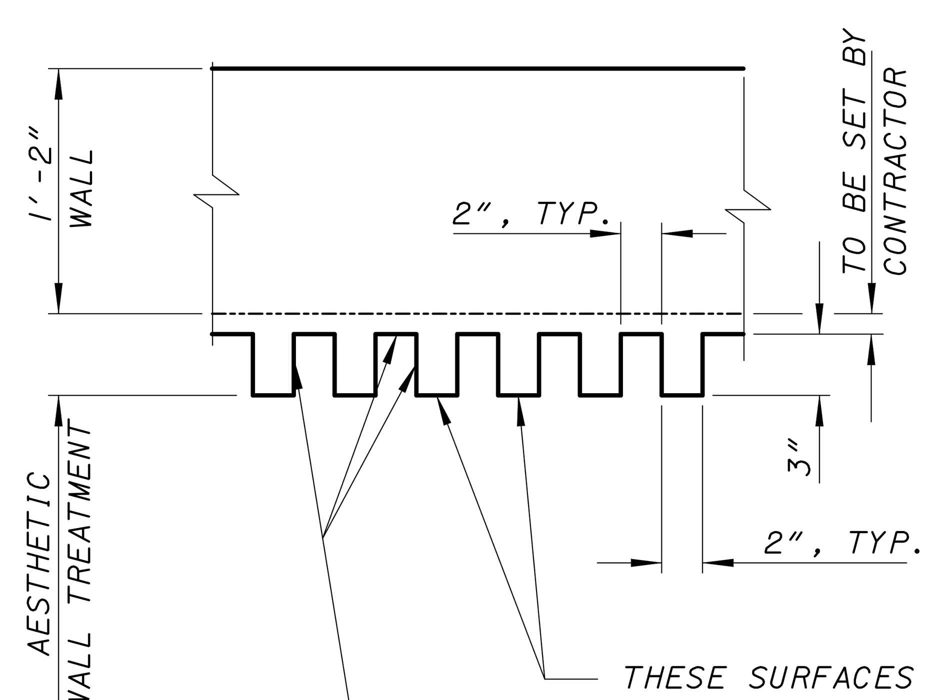
THIS AREA TO BE SEALED WITH "DARK NEUTRAL" COLORED SEALER, FEDERAL COLOR NUMBER 10324 AND RECESSED 1/4" BEYOND AREAS DENOTED WITH "LIGHT NEUTRAL" SEALER

RIBBED AREA TO BE SEALED AS INDICATED IN RIBBING DETAIL THIS SHEET

NOTE:
FINISHED GROUND LINE IN FRONT OF WALL SHALL GENERALLY BE 1'-0 ABOVE BOTTOM OF WALL.

ELEVATION

(AESTHETIC TREATMENT FRONT FACE OF RETAINING WALL)



THESE SURFACES TO BE SEALED WITH "LIGHT NEUTRAL" COLORED SEALER, FEDERAL COLOR NUMBER 17778, TYP.

THESE SURFACES TO BE SEALED WITH "DARK NEUTRAL" COLORED SEALER, FEDERAL COLOR NUMBER 10324, TYP.

NOTE:
WHERE RIBBING MEETS NON-RIBBED AREAS, THE RIBBING SHALL BE TAPERED AT A 45 DEGREE ANGLE TO THE NON-RIBBED SURFACE

RIBBING DETAIL

NOTES

1. THE DESIGN PROVIDED BY ODOT SHALL BE CAST INTO THE EXTERIOR OF THE CONCRETE RETAINING WALL WITH THE USE OF A FORM LINER. THE DEPTH OF THE IMAGE SHALL BE A MINIMUM OF 3 INCHES. A RENDERING OF THE IMAGE IS AVAILABLE IN AN ELECTRONIC FORMAT FROM ODOT. THE CONTRACTOR SHALL PROVIDE A MOCKUP OF THE PROPOSED IMAGE TO ODOT FOR APPROVAL OF AESTHETICS ALONG WITH A PLAN FOR SEALING THE CONCRETE.

2. CONCRETE SEALERS, FEDERAL COLOR NUMBER 10324 (DARK NEUTRAL) AND FEDERAL COLOR NUMBER 17778 (LIGHT NEUTRAL), SHALL BE APPLIED TO WALL AREAS AS DETAILED ON THIS SHEET.

3. ALL COST OF PRODUCING THE IMAGE ON THE CONCRETE RETAINING WALL, INCLUDING: ADDITIONAL CONCRETE, SEALING OF CONCRETE SURFACES, PRODUCTION OF FORM LINERS AND THE APPROVAL PROCESS, SHALL BE INCLUDED WITH ITEM 842, CLASS C CONCRETE, MISC. WALL FACING.
4. THE FORM LINER SHALL BECOME THE PROPERTY OF ODOT UPON COMPLETION OF THE PROJECT.

5. POSSIBLE PRODUCERS OF THE FORM LINER: CUSTOM CUTTERS, 8924 COLUMBUS ROAD, MOUNT VERNON, OHIO 43050 (PH.740-392-1383); CREATIVE FORM LINERS, INC., 3413 WINDOM ROAD, BRENTWOOD, MARYLAND, 20722 (PH. 301-864-3676)

NUMBER	REVISION	DATE	BY
1	REVISED WALL PLANS	12/05	MJZ

REVIEWED | DATE | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

DESIGN AGENCY: URS 36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED VKG | DRAWN GJW | CHECKED MJZ | REVISED

RETAINING WALL AESTHETIC TREATMENT
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

13/15

237L
582

RETAINING WALL

PX	SZ	ID	NO. BARS	LENGTH (FT IN)	TYPE	B (FT IN)	C (FT IN)	D (FT IN)	E (FT IN)	F (FT IN)	G (FT IN)	H (FT IN)	J (FT IN)	N	PHI Φ
RW	5	001	2	SERIES	1	SERIES									
			SETS	4- 2		4- 2									
			OF	TO		TO									
			26	7-10		7-10									
RW	8	002	8	25- 3	1	25- 3									
RW	8	003	2	18- 8	1	18- 8									
RW	8	004	2	12- 0	1	12- 0									
RW	8	005	2	5- 4	1	5- 4									
RW	8	006	2	25- 7	1	25- 7									
RW	8	007	1292	29- 8	1	29- 8									
RW	8	008	2	SERIES	1	SERIES									
			SETS	8- 8		8- 8									
			OF	TO		TO									
			4	28- 8		28- 8									
RW	8	009	2	30- 0	1	30- 0									
RW	5	010	2	SERIES	1	SERIES									
			SETS	7-11		7-11									
			OF	TO		TO									
			30	12- 4		12- 4									
RW	5	011	2	SERIES	1	SERIES									
			SETS	12- 5		12- 5									
			OF	TO		TO									
			5	13- 1		13- 1									
RW	5	012	2	SERIES	1	SERIES									
			SETS	13- 2		13- 2									
			OF	TO		TO									
			25	14- 4		14- 4									
RW	8	013	2	25- 4	1	25- 4									
RW	8	014	2	29- 8	12	24-10	4-10								6°
RW	8	015	2	9- 9	1	9- 9									
RW	8	016	2	5- 5	1	5- 5									
RW	8	017	2	15- 4	1	15- 4									
RW	5	018	2	SERIES	1	SERIES									
			SETS	14- 5		14- 5									
			OF	TO		TO									
			16	15- 0		15- 0									
RW	5	019	2	SERIES	1	SERIES									
			SETS	15- 1		15- 1									
			OF	TO		TO									
			14	17-11		17-11									
RW	5	020	2	SERIES	1	SERIES									
			SETS	18- 1		18- 1									
			OF	TO		TO									
			15	21- 0		21- 0									
RW	5	021	2	SERIES	1	SERIES									
			SETS	21- 2		21- 2									
			OF	TO		TO									
			15	21- 8		21- 8									
RW	5	022	2	SERIES	1	SERIES									
			SETS	21- 9		21- 9									
			OF	TO		TO									
			30	22-10		22-10									
RW	5	023	2	SERIES	1	SERIES									
			SETS	22-10		22-10									
			OF	TO		TO									
			30	24- 1		24- 1									
RW	5	024	2	SERIES	1	SERIES									
			SETS	24- 2		24- 2									
			OF	TO		TO									
			15	24-10		24-10									
RW	5	025	2	SERIES	1	SERIES									
			SETS	24-11		24-11									
			OF	TO		TO									
			15	28- 0		28- 0									
RW	8	026	2	26- 9	1	26- 9									
RW	8	027	2	21- 0	1	21- 0									
RW	8	028	2	16- 8	12	14- 3	2- 6								10°
RW	8	029	2	15- 7	1	15- 7									

RETAINING WALL (CONT.)

PX	SZ	ID	NO. BARS	LENGTH (FT IN)	TYPE	B (FT IN)	C (FT IN)	D (FT IN)	E (FT IN)	F (FT IN)	G (FT IN)	H (FT IN)	J (FT IN)	N	PHI Φ
RW	8	030	2	9-10	1	9-10									
RW	8	031	2	5- 6	1	5- 6									
RW	8	032	2	16- 0	1	16- 0									
RW	8	033	2	28- 8	1	28- 8									
RW	8	034	2	23- 6	1	23- 6									
RW	8	035	2	19-11	12	17- 6	2- 6								11°
RW	8	036	2	12- 4	1	12- 4									
RW	5	037	2	SERIES	1	SERIES									
			SETS	28- 3		28- 3									
			OF	TO		TO									
			12	30-10		30-10									
RW	5	038	2	SERIES	1	SERIES									
			SETS	30-11		30-11									
			OF	TO		TO									
			18	31- 8		31- 8									
RW	5	039	2	SERIES	1	SERIES									
			SETS	31- 9		31- 9									
			OF	TO		TO									
			30	33- 0		33- 0									
RW	5	040	2	SERIES	1	SERIES									
			SETS	33- 0		33- 0									
			OF	TO		TO									
			30	34- 6		34- 6									
RW	5	041	2	SERIES	1	SERIES									
			SETS	34- 7		34- 7									
			OF	TO		TO									
			30	36- 4		36- 4									
RW	8	042	2	29- 7	12	25- 4	4- 4								11°
RW	8	043	2	16- 4	1	16- 4									
RW	8	044	2	11- 2	1	11- 2									
RW	8	045	2	6- 0	1	6- 0									
RW	8	046	2	23- 5	1	23- 5									
RW	5	047	2	SERIES	1	SERIES									
			SETS	36- 4		36- 4									
			OF	TO		TO									
			26	37- 8		37- 8									
RW	5	048	2	SERIES	1	SERIES									
			SETS	37- 6		37- 6									
			OF	TO		TO									
			4	36-11		36-11									
RW	5	049	2	SERIES	1	SERIES									
			SETS	33- 9		33- 9									
			OF	TO		TO									
			21	36- 9		36- 9									
RW	5	050	2	SERIES	1	SERIES									
			SETS	33- 7		33- 7									
			OF	TO		TO									
			9	34- 0		34- 0									
RW	5	051	2	SERIES	1	SERIES									
			SETS	34- 0		34- 0									
			OF	TO		TO									
			30	35- 1		35- 1									
RW	5	052	2	SERIES	1	SERIES									
			SETS	35- 2		35- 2									
			OF	TO		TO									
			30	36- 1		36- 1									
RW	8	053	2	29- 2	1	29- 2									
RW	8	054	2	24- 0	1	24- 0									
RW	8	055	2	20- 5	12	18- 0	2- 6								11°
RW	8	056	2	11- 9	1	11- 9									
RW	8	057	2	14- 7	1	14- 7									
RW	8	058	2	9- 6	1	9- 6									
RW	8	059	2	4- 4	1	4- 4									
RW	8	060	2	21- 8	1	21- 8									
RW	5	061	2	SERIES	1	SERIES									
			SETS	36- 2		36- 2									
			OF	TO		TO									
			19	36- 9		36- 9									

NOTES

1. FOR STANDARD BAR BENDING DETAILS, SEE SHEETS 14 243 & 15 243.
2. FOR CONTINUATION SEE SHEET 15/15.

NUMBER	REVISION	DATE	BY
1	REVISED WALL PLANS	12/05	MJZ

DESIGN AGENCY: URS
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

REVIEWED | DATE | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

DRAWN GJW | REVISED

DESIGNED VKG | CHECKED MJZ

REINFORCING BAR LIST FOR RETAINING WALL (1)

BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

RETAINING WALL (CONT.)

MARK PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B	C	D	E	F	G	H	J	N	PHI Φ
RW	5	062	2	SERIES	1	SERIES									
			SETS	35- 0		35- 0									
			OF	TO		TO									
			11	36- 7		36- 7									
RW	5	063	2	SERIES	1	SERIES									
			SETS	31- 9		31- 9									
			OF	TO		TO									
			20	34-10		34-10									
RW	5	064	2	SERIES	1	SERIES									
			SETS	31-10		31-10									
			OF	TO		TO									
			10	32- 1		32- 1									
RW	5	065	2	SERIES	1	SERIES									
			SETS	32- 1		32- 1									
			OF	TO		TO									
			30	33- 0		33- 0									
RW	5	066	2	SERIES	1	SERIES									
			SETS	33- 0		33- 0									
			OF	TO		TO									
			30	33-10		33-10									
RW	8	067	2	SERIES	1	SERIES									
			SETS	16- 5		16- 5									
			OF	TO		TO									
			3	26- 5		26- 5									
RW	8	068	2	13- 5	12	11- 0	2- 6								11°
RW	8	069	2	19- 4	1	19- 4									
RW	8	070	2	SERIES	1	SERIES									
			SETS	6- 5		6- 5									
			OF	TO		TO									
			5	26- 5		26- 5									
RW	8	071	2	30- 3	1	30- 3									
RW	8	072	6	25- 2	1	25- 2									
RW	8	073	2	6- 2	1	6- 2									
RW	8	074	2	SERIES	1	SERIES									
			SETS	2- 9		2- 9									
			OF	TO		TO									
			9	26-11		26-11									
RW	8	075	2	31- 0	12	1- 0	30- 1								18°
RW	8	076	14	15- 3	1	15- 3									
RW	8	077	2	SERIES	1	SERIES									
			SETS	2-11		2-11									
			OF	TO		TO									
			5	15- 0		15- 0									
RW	8	078	2	16- 1	1	16- 1									
RW	5	079	2	SERIES	1	SERIES									
			SETS	33-11		33-11									
			OF	TO		TO									
			11	34- 2		34- 2									
RW	5	080	2	SERIES	1	SERIES									
			SETS	31- 0		31- 0									
			OF	TO		TO									
			19	34- 2		34- 2									
RW	5	081	2	SERIES	1	SERIES									
			SETS	28- 0		28- 0									
			OF	TO		TO									
			15	30- 9		30- 9									
RW	5	082	2	SERIES	1	SERIES									
			SETS	23-11		23-11									
			OF	TO		TO									
			15	27- 9		27- 9									
RW	5	083	2	SERIES	1	SERIES									
			SETS	21- 8		21- 8									
			OF	TO		TO									
			25	23- 6		23- 6									
RW	5	084	12	21- 8	1	21- 8									

RETAINING WALL (CONT.)

MARK PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B	C	D	E	F	G	H	J	N	PHI Φ
RW	5	085	2	SERIES	1	SERIES									
			SETS	12- 3		12- 3									
			OF	TO		TO									
			29	21- 6		21- 6									
RW	5	086	2	SERIES	1	SERIES									
			SETS	7- 3		7- 3									
			OF	TO		TO									
			16	11-11		11-11									
				TOTAL WEIGHT =		150,498									

DRILLED SHAFT REINFORCING STEEL (SHAFTS 35 THRU 74)

MARK PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B	C	D	E	F	G	H	J	N	PHI Φ
DS	4	001	21	276- 2	39	14- 7		2- 0						3	4½
DS	4	002	42	449- 8	39	19- 7		2- 6						3	4½
DS	9	003	168	14- 7	1	14- 7									
DS	10	004	336	19- 7	1	19- 7									
				TOTAL WEIGHT =		53,134									

NOTES

1. FOR STANDARD BAR BENDING DETAILS, SEE SHEETS 14 243 & 15 243 .

NUMBER	REVISION	DATE,	BY,
1	REVISED WALL PLANS	12/05	MJZ

DESIGN AGENCY: URS
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

REVIEWED | DATE | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

DESIGNED VKG | CHECKED MJZ | DRAWN GJW | REVISED

REINFORCING BAR LIST FOR RETAINING WALL (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

DEPTH OF COVER FOR SANITARY FORCE MAINS

THE SANITARY FORCE MAIN SHALL BE INSTALLED WITH A MINIMUM COVER OF 48" OVER THE TOP OF THE PIPES. THIS DOES NOT MEAN THE FORCE MAIN SHALL BE INSTALLED AT THE MINIMUM DEPTH. THE PROFILES FOR THE PIPING SYSTEMS SHOW THE ACTUAL ELEVATIONS AT WHICH THESE LINES ARE TO BE INSTALLED. THE PROFILES PROVIDE THE MINIMUM REQUIRED COVER AND ALSO PROVIDE THE MINIMUM CLEARANCES BETWEEN OTHER UTILITIES. THE SANITARY FORCE MAIN SHALL MAINTAIN A POSITIVE OR NEGATIVE SLOPE TO THE AIR RELEASE VALVE SHOWN ON THE PLAN AND PROFILE SHEETS, WITH THE INTENT IS TO ALLOW TRAPPED AIR TO RISE TO THE AIR RELEASE VALVE TO ESCAPE.

CLEARANCE BETWEEN UTILITIES

THERE SHALL BE A MINIMUM HORIZONTAL CLEARANCE OF 10'-0" BETWEEN THE EXTERIOR EDGES OF THE WATER AND SANITARY PIPES.

THERE SHALL BE A MINIMUM VERTICAL CLEARANCE OF 1'-6" BETWEEN THE EXTERIOR EDGES OF THE WATER AND SANITARY PIPES. WHEN CROSSING PERPENDICULAR. THE WATER PIPING SHALL BE LOCATED ABOVE THE SANITARY PIPES WHEN THEY CROSS.

THE WATER PIPING SHALL ALSO MAINTAIN A MINIMUM VERTICAL CLEARANCE 1'-6" BETWEEN STORM PIPES WHERE THEY CROSS WITH THE WATER PIPING LOCATED ABOVE THE STORM PIPES.

COORDINATION OF EXISTING SANITARY SERVICES IN OHIO

THE EXISTING GRAVITY SANITARY SEWERS THAT SERVE HOMES AND BUSINESSES SHALL BE MAINTAINED TO THE EXISTING SANITARY LIFT STATION UNTIL THE ~~PROPOSED SANITARY LIFT STATION AND REVISED~~ FORCE MAIN HAS ~~AND NEW GRAVITY SANITARY SEWERS HAVE~~ BEEN FULLY TESTED AND APPROVED BY THE ENGINEER AS READY TO BE PLACED INTO SERVICE. REFER TO THE MAINTENANCE OF TRAFFIC SEQUENCE OF CONSTRUCTION GENERAL NOTES FOR ADDITIONAL INFORMATION.

ABANDONMENT AT EXISTING SANITARY LATERAL (OHIO)

THE EXISTING SANITARY SEWER LATERAL CONNECTION SHALL BE LOCATED WHICH SERVES THE NORTHERN MOST HOUSE THAT DOES NOT GET REMOVED, ON WEST MAIN STREET, SOUTH OF THE PROPOSED BRIDGE. THE VILLAGE OF POMEROY INDICATES A 6" VITRIFIED CLAY PIPE EXISTS IN PARALLEL CONFIGURATION WITH THE EXISTING EDGE OF PAVEMENT OF WEST MAIN STREET. THIS SANITARY SEWER SEGMENT DOES NOT HAVE EXISTING MANHOLES FOR EASY VERIFICATION OF LOCATION, THEREFORE, CONTRACTOR SHALL COORDINATE WITH THE VILLAGE OF POMEROY. THE EXISTING VITRIFIED CLAY SEWER SHALL BE ABANDONED NORTH OF THIS EXISTING LATERAL CONNECTION AND THE SANITARY SEWER SHALL BE PROPERLY CAPPED AND THE EXISTING SANITARY SEWER AND THIS LATERAL CONNECTION SHALL BE MAINTAINED SOUTH OF THIS SANITARY LATERAL CONNECTION SERVING THE HOUSE TO REMAIN.

SANITARY SEWER MANHOLES

IN OHIO, ALL THE GRAVITY SEWER MANHOLES (INCLUDING MANHOLES RECONSTRUCTED TO GRADE) SHALL HAVE WATERTIGHT, GASKETED SOLID LID CASTING WITH FRAMES AND COVERS THAT BOLT DOWN. THESE CASTINGS SHALL BE AS PER NEENAH FOUNDARY CO., MODEL R-1916-F, OR EQUAL. IN WEST VIRGINIA, ALL GRAVITY SEWER MANHOLES SHALL HAVE GASKETED SOLID LID CASTINGS WITH FRAMES AND THAT ANCHOR TO THE MANHOLE AS PER NEENAH FOUNDARY CO., MODEL R-1664, OR EQUAL. WEST VIRGINIA MANHOLES SHALL COMPLY WITH THE DETAIL ON SHEET NO. 256.

~~SANITARY LIFT STATION~~

~~REFER TO THE "SANITARY LIFT STATION" SPECIAL PROVISIONS FOR DUPLEX FACTORY-BUILT SUMBERSIBLE PUMP AND ABOVE GROUND VALVE PACKAGE FOR ADDITIONAL DETAILS. THE SANITARY LIFT STATION IS A LUMP UNIT AND INCLUDES THE REMOVAL OF EXISTING SANITARY LIFT STATION, EXISTING CONTROL PANELS, POLE MOUNTED PLATFORM AND POLE SUPPORTS, EXISTING EQUIPMENT AND ACCESSORIES. REMOVAL SHALL COMPLY WITH APPLICABLE PARTS OF ODOT ITEM 202 SPECIFICATIONS. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL WASTE MATERIALS (SOLIDS AND LIQUIDS) IN AN APPROPRIATE MANNER IN ACCORDANCE WITH ALL GOVERNING REGULATIONS, INCLUDING THE OHIO ENVIRONMENTAL PROTECTION AGENCY (OEPA), UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA) AND LOCAL HEALTH DEPARTMENT REGULATIONS AND AS AGREED TO BY THE VILLAGE OF POMEROY. CONTRACTOR SHALL MAINTAIN AND PROTECT THE EXISTING SANITARY LIFT STATION AND FORCE MAIN UNTIL THE PROPOSED REPLACEMENT FACILITIES ARE COMPLETE, ACCEPTED AND AUTHORIZED FOR SERVICE BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR ANY POWER SOURCES REQUIRED TO MAINTAIN THE EXISTING LIFT STATION AND FOR THE NEW LIFT STATION DURING CONSTRUCTION. THE SANITARY LIFT STATION SHALL BE PROVIDED BY A SINGLE SOURCE SUPPLIER WHO SHALL BE FULLY RESPONSIBLE FOR PROVIDING, BUT NOT LIMITED TO, SUBMERSIBLE PUMPS, QUICK CONNECT DISCHARGE ELBOWS, REMOVABLE PORTABLE HOIST, PUMP CONTROL PANEL, LEVEL CONTROLS, WET WELL STRUCTURE, TOP SLAB, ACCESS HATCHES, VENT PIPING, ABOVE GRADE VALVES AND PIPING, THERMALLY INSULATED FIBERGLASS REINFORCED HOUSING AND ENCLOSURE HEATERS AS SPECIFIED IN THE SPECIAL PROVISIONS. CONTRACTOR SHALL RELOCATE EXISTING RADIO TELEMETRY ALARM SYSTEM, AND REQUIRED ACCESSORIES, FROM THE EXISTING LIFT STATION CONTROL PANEL AND INSTALL INTO THE NEW PUMP CONTROL PANEL.~~

AGGREGATE BASE AT EXISTING LIFT STATION

THE ODOT 304 MATERIAL PROVIDED FOR THE AREA INSIDE THE FENCED AREA OF THE LIFT STATION SITE, SHALL HAVE A GRADATION IN ACCORDANCE WITH ODOT TABLE 703-1, #57. WITH FILTER FABRIC PER ODOT 712.09.

FENCE AT EXISTING LIFT STATION

FENCE AROUND SANITARY LIFT STATION SITE SHALL BE 8 FEET HIGH WITH A DOUBLE LEAF GATE WITH A CLEAR OPENING OF 14' WIDE.

SANITARY FORCE MAIN SYSTEM

THE SANITARY FORCE MAIN SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE WITH PUSH-ON BOLTLESS-RESTRAINED JOINTS AND FITTINGS. ALL DUCTILE IRON FITTINGS (HORIZONTAL AND VERTICAL ORIENTATIONS), VALVES AND PLUGS SHALL BE RESTRAINED TO RESIST THRUST FORCES. SPECIAL - 4" FORCE MAIN PAY ITEM UNIT PRICE SHALL INCLUDE ALL MATERIALS, LABOR AND EQUIPMENT TO INSTALL COMPLETE SYSTEM, INCLUDING ECCENTRIC PLUG VALVES, TRENCHING, BACKFILL, BEDDING, ETC. IN ACCORDANCE WITH APPLICABLE SPECIFICATIONS OF ODOT ITEMS 638.02, 638.04, 638.05, 638.06, 638.07, 638.08, 638.09 AND 638.13. PLUG VALVES SHALL BE ECCENTRIC AND COMPLY WITH ANSI/AWWA C 507.

NUMBER	REVISION	DATE	BY
1	FORCE MAIN REVISION	2/06	DW

AIR RELEASE VALVE MANHOLE

THE AIR RELEASE VALVE MANHOLE IS A UNIT LUMP FOR ALL MATERIALS, LABOR AND EQUIPMENT, INCLUDING THE MANHOLE, CASTINGS, VALVES, EXCAVATION, BACKFILL, ETC. AS DETAILED ON SHEET NO. 254. WORK SHALL BE IN ACCORDANCE WITH APPLICABLE SPECIFICATIONS OF ODOT ITEM 604.

THE AIR RELEASE VALVE IS DESIGNED TO PERMIT SMALL VOLUMES OF AIR TO ESCAPE THE PIPING SYSTEM DURING NORMAL OPERATION. THE VALVE IS LOCATED AT THE HIGH POINT OF THE FORCE MAIN TO ALLOW THE TRAPPED AIR TO RISE TO THAT POINT. THE OPERATING PRESSURE AT THE AIR RELEASE VALVE POINT IS 7 PSIG. THE SMALL ORIFICE SHALL BE 1/8" DIAMETER. THE AIR RELEASE VALVE SHALL BE PROVIDED WITH A 2" DIAMETER BRONZE ISOLATION BALL VALVE TO ENABLE THE AIR RELEASE VALVE TO BE ISOLATED FROM THE FORCE MAIN OR REMOVED WITHOUT DISRUPTION OF THE FORCE MAIN SYSTEM. BACKFLUSHING ATTACHMENTS SHALL ALSO BE PROVIDED. THIS AIR VALVE SHALL BE UTILIZED TO FILL (PRIME) THE FORCE MAIN USING THE BACKFLUSHING ATTACHMENTS. WITH THE 2" ISOLATION VALVE OPEN TO THE FORCE MAIN OPEN, SLOWLY FILL THE 4" FORCE MAIN WITH WATER ALLOWING AIR TO ESCAPE THE TOP FLUSHING PORT. ONCE THE 4" FORCE MAIN IS FULL, CLOSE THE 2" ISOLATION VALVE, THEN THE BACKFLUSHING VALVES. THE FORCE MAIN WILL THEN BE FULL AND READY FOR SUBMERSIBLE PUMP START-UP AND TESTING.

WEST VIRGINIA SANITARY SEWERS

DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN SERVICE TO ALL EXISTING HOMES AND BUSINESSES CURRENTLY SERVED BY THE SANITARY SEWER SYSTEMS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THIS WORK. NO SERVICES SHALL BE DISRUPTED WITHOUT PRIOR APPROVAL FROM THE ENGINEER AND NOT WITHOUT A 48 HOUR PRIOR WRITTEN NOTICE TO THE ENGINEER, UTILITY OWNER AND THE UTILITY CUSTOMERS WHO WILL BE AFFECTED BY THE TEMPORARY LOSS OF SERVICE. SERVICE DISRUPTIONS SHALL BE LIMITED TO A PERIOD OF TIME THAT IS NOT LONGER THAN 8 HOURS TOTAL, FOR ANY 48 HOUR CONTINUOUS SPAN OF TIME. CONTRACTOR SHALL COORDINATE THE WORK IN SUCH A MANNER TO MINIMIZE THE NUMBER OF SERVICE DISRUPTIONS. CONTRACTOR SHALL PROVIDE ALL NECESSARY APPURTENANCES TO MAINTAIN SERVICES SUCH AS, BUT NOT LIMITED TO, TEMPORARY PUMPS, HOSES, PLUGS, ETC. TO MAINTAIN SANITARY SEWER SERVICE. WHERE SEWERS ARE TO BE REPLACED, THE CONTRACTOR SHALL BYPASS PUMP THE SEWER FLOWS USING PUMPS OR WHAT EVER MEANS NECESSARY TO MAINTAIN THE OPERATION OF THE SYSTEM. IF DURING THE INSTALLATION OF PROPOSED WORK THE CONTRACTOR ENCOUNTERS A CONFLICT WITH AN EXISTING UTILITY THAT IS TO BE ABANDONED, BUT NEEDS TO BE MAINTAINED UNTIL THE PROPOSED WORK IS COMPLETE, THE CONTRACTOR SHALL BE RESPONSIBLE TO EMPLOY ALL NECESSARY MEANS, AS APPROVED BY THE ENGINEER AND OWNER OF UTILITY, TO MAINTAIN THE SERVICE. NO NEW SANITARY SEWERS SHALL BE PLACED INTO SERIVCE WITHOUT FIRST OBTAINING APPROVAL FROM THE ENGINEER. ALL NEW SANITARY SEWERS SHALL HAVE PASSED ALL REQUIRED APPLICABLE TESTS FOR LEAKAGE AND DEFLECTION PRIOR TO BEING PLACED INTO SERIVCE. CONTRACTOR IS RESPONSIBLE FOR COORDINATING DISCOVERY OF LOCATIONS OF ALL EXISTING UTILITY SERVICE LATERALS AND FINAL LOCATIONS OF PROPOSED SERVICE LATERALS. CORRELATION BETWEEN OHIO AND WEST VIRGINIA SPECIFICATIONS AND DETAILS

ITEMS WHICH ARE DESIGNATED AS BOTH "ITEM SPECIAL" AND "(WVDOH)", AS WELL AS DETAILED DRAWINGS SIMILARLY REFERENCED, ARE ALL GOVERNED BY WEST VIRGINIA DEPARTMENT OF TRANSPORTATION PUBLICATIONS AS FOLLOWS:

WEST VIRGINIA DIVISION OF HIGHWAYS STANDARD SPECIFICATIONS - ROAD AND BRIDGES ADOPTED 2000. WEST VIRGINIA DIVISION OF HIGHWAYS SUPPLEMENTAL SPECIFICATIONS ISSUED JULY 1, 2001.

CALCULATED JAP
CHECKED AM

SANITARY GENERAL NOTES

MEG-33-15.70

WEST VIRGINIA SANITARY SEWERS (CONTINUED FROM SHT. 239)

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS STANDARD DETAIL DRAWINGS.

SANITARY SEWER WORK IN WEST VIRGINIA SHALL COMPLY WITH WEST VIRGINIA DEPARTMENT OF TRANSPORTATION (WVDOH) SPECIFICATION "SECTION 675 - SANITARY SEWERS", AND ALL RELATED REFERENCED WVDOH SPECIFICATIONS THEREIN.

EXISTING UTILITY SERVICES

THE CONTRACTOR IS FULLY RESPONSIBLE FOR LOCATING, MAINTAINING, REPARING AND RECONNECTING ALL UTILITY SERVICES FROM PRIVATE RESIDENTIAL HOUSES OR BUISNESSES FOR GAS, WATER, TELEPHONE, ELECTRIC, CABLE, SEWER, ETC. COORDINATION WITH EACH UTILITY AND/OR SERVICE CUSTOMER IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

BACK PRESSURE PRIMING VALVE MANHOLE

REFER TO PLAN ON SHEET 249 FOR THE LOCATION OF THE PROPOSED BACK PRESSURE PRIMING VALVE MANHOLE, AND REFER TO SHEET 254 FOR ADDITIONAL DETAILS.

THE CONTRACTOR SHALL PRICE THIS AS A LUMP COST FOR ALL WORK REQUIRED TO PROVIDE AND INSTALL THE MANHOLE AND ALL INTERIOR COMPONENTS, AS SHOWN ON THE DETAIL ON SHEET 254 AND PLAN, INCLUDING THE RELOCATION OF EXISTING 3" FORCE MAIN TO DIVERT IT AROUND THIS PROPOSED MANHOLE. LUMP COST SHALL INCLUDE ALL MATERIALS, LABOR AND EQUIPMENT, INCLUDING, BUT NOT LIMITED TO, ALL EXCAVATION, BACKFILL, PAVEMENT CUTTING, PAVEMENT RESTORATION, CURB AND GUTTER RESTORATION, PRECAST CONCRETE MANHOLE, CASTINGS, VALVES, GAUGES, PIPING AND PIPING ACCESSORIES TO MAKE CONNECTIONS TO INSTALL THE VALVE ON THE EXISTING 4" FORCE MAIN.

THE MANHOLE SHALL BE WATERTIGHT, INCLUDING THE PENETRATIONS OF THE 4" PIPING THROUGH THE MANHOLE WALL. WORK SHALL COMPLY WITH APPLICABLE SECTIONS OF ODOT ITEM 604.

PAVEMENT RESTORATION SHALL USE PAVEMENT MAKEUP AS SHOWN ON THE NORMAL SECTION OF SR833, ON SHEET 5. CURB REPLACEMENT SHALL BE AS PER ODOT STANDARD DRAWING BP-5.1, TYPE 6 CURB.

FOR MAINTENANCE OF TRAFFIC WHILE THIS MANHOLE IS BEING BUILT, CONTRACTOR SHALL COMPLY WITH STANDARD DRAWING MT-97-10. ALL BID ITEMS UNDER MT-97-10 SHALL BE PAID FOR UNDER ITEM 614, MAINTAINING TRAFFIC.

THE BACK PRESSURE PRIMING VALVE IS A SURGE VALVE PLACED INTO THIS APPLICATION TO KEEP THE FORCE MAIN FULL OF WATER AT ALL TIMES, ONCE IT IS INITIALLY PRIMED. THIS VALVE WILL CLOSE WHEN THE PUMPS STOP TO MAINTAIN A COLUMN OF WATER IN THE FORCE MAIN FROM THE HIGH POINT TO THE DISCHARGE POINT OF THE FORCEMAIN. THE VALVE SHALL BE A SEWAGE SURGE RELIEF VALVE CONSTRUCTED WITH A HEAVY CAST IRON STEEL BODY WITH A WELDED STEEL DISC HAVING RUBBER SEATING FACE, NON-CORROSIVE SHAFT FOR ATTACHMENT OF COUNTER WEIGHT ARMS AND LEVER, AND COMPLETE NON-CORROSIVE CUSHION CHAMBER. THE VALVE SHALL OPEN WHEN THE SYSTEM PRESSURE EXCEEDS THE LOAD SETTING OF THE COUNTER-WEIGHTS, (WHICH SHALL BE 17 PSIG) AND SHALL CLOSE AT AN ADJUSTABLE SPEED AS THE PRESSURE DROPS TO BELOW THE LOAD SETTING PRESSURE. THE CUSHION CHAMBER SHALL BE ATTACHED TO THE SIDE OF THE VALVE BODY EXTERNALLY AND CONSTRUCTED WITH A PISTON OPERATING IN A CHAMBER THAT WILL EFFECTIVELY PERMIT THE VALVE TO BE OPERATED WITHOUT ANY HAMMERING ACTION. THE CUSHIONING SHALL BE BY OIL STORED IN AN OIL RESERVIOR ATTACHED BY PIPING AND FITTINGS TO THE CUSHION CHAMBER. THE CUSHION CHAMBER SHALL BE SO ARRANGED THAT THE CLOSING SPEED WILL BE ADJUSTABLE TO MEET THE SERVICE REQUIREMENTS. THE VALVE SHALL BE AS MANUFACTURERED BY GA INDUSTRIES, INC., FIGURE NO. 525-RD, OR EQUAL. MANUFACTURER'S AUTHORIZED REPRESENTATIVE SHALL BE AVAILABLE FOR CUSTOMER SERVICE DURING INSTALLATION AND START-UP, AND TO TRAIN PERSONNEL IN THE OPERATION, MAINTENANCE AND TROUBLESHOOTING OF THE VALVE.

THE KNIFE GATE VALVE, LOCATED BETWEEN THE BACK PRESSURE PRIMING VALVE AND THE LIFT STATION, SHALL BE A MANUALLY OPERATED VALVE WITH HANDWHEEL. IT SHALL BE SUITABLE FOR WASTEWATER APPLICATIONS. THE VALVE SHALL BE A BONNETLESS, WAFER TYPE GATE VALVE MADE WITH CAST IRON BODY. THE PORT AREA SHALL BE 100% OF THE FULL PIPE AREA THROUGHOUT THE ENTIRE LENGTH. THE VALVE SHALL MEET ANSI B16.5 CLASS 150 DRILLING DIMENSIONS. FLUSH PORT AREA WILL BE LOCATED IN THE BASE OF THE VALVE AND WILL BE DRILLED, TAPPED AND PLUGGED. THE VALVE SHALL HAVE TWO FULL-PORT ELASTOMER CARTRIDGE SEAT HALVES THAT SHALL BE SUPPORTED AND COMPRESSED BETWEEN THE FLANGES. THE SEAT HALVES WILL BE STEEL REINFORCED MOLDED RUBBER AND SHALL ACT AS WIPER BLADES TO CLEAN THE GATE AS IT STROKES. THE SEATS SHALL PROVIDE BI-DIRECTIONAL SEALING. THE PACKING BOX WILL BE OF THE INVERTED TYPE, COMPRESSED BY A WEIR CAST INTO THE VALVE BODY. THREE LAYERS OF PACKING MATERIAL SHALL BE SUPPLIED AS STANDARD. THE GATE WILL BE OF SUFFICIENT THICKNESS TO PROVIDE AGAINST PERMANENT DEFORMATION AT 1.2 TIMES THE RATED WORKING PRESSURE. THE GATE SHALL BE ASTM A240 T-316 STAINLESS STEEL. THE STEM SHALL BE ASTM A276 T-304 STAINLESS STEEL AND SHALL HAVE SINGLE PITCH ACME THREADS. THE STEM NUT WILL BE ACID RESISTANT BRONZE. THE KNIFE GATE VALVE SHALL BE AS MANUFACTURED BY RED VALVE CO., MODEL FLEXGATE FG, OR EQUAL. MANUFACTURER'S AUTHORIZED REPRESENTATIVE SHALL BE AVAILABLE FOR CUSTOMER SERVICE DURING INSTALLATION AND START-UP, AND TO TRAIN PERSONNEL IN THE OPERATION, MAINTENANCE AND TROUBLESHOOTING OF THE VALVE.

PRIOR TO STARTING THE EXISTING SUBMERSIBLE PUMPS, ~~IN THE PROPOSED SANITARY LIFT STATION,~~ THE FORCE MAIN SHALL BE FILLED WITH WATER (PRIMED) USING THE AIR RELEASE VALVE AT THE HIGH POINT ON THE 4" SANITARY FORCE MAIN AT STATION 20+51.35, (CENTERLINE STATIONING OF THE FORCE MAIN).

CONTRACTOR SHALL VERIFY ACTUAL LOCATION AND DEPTH OF EXISTING 4" FORCE MAIN AT PROPOSED MANHOLE LOCATION, PRIOR TO FABRICATING THE PRECAST COMPONENTS. DEPTH OF THIS MANHOLE SHALL BE DEEP ENOUGH TO ALLOW FULL OPERATION OF SURGE VALVE WITH SUFFICIENT VERTICAL INSIDE CLEARANCE. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL PIPING ACCESSORIES TO INSTALL THE VALVE ON THE EXISTING FORCE MAIN.

PRESSURE GAGE SHALL BE 3" DIAMETER, GLYCERIN FILLED, BACK POST MOUNT, WITH A RANGE FROM ZERO TO 40 PSI AT 2 PSI INCREMENT GRADATION WITH A 2% ACCURACY. INSTALL ON FORCE MAIN WITH AN ISOLATION COCK BETWEEN THE GAGE AND FORCE MAIN.

SANITARY SEWER LATERAL LOCATIONS

CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL LOCATIONS OF THE EXISITNG SANITARY SEWER LATERALS. THIS WORK SHALL BE PERFORMED PRIOR TO THE INSTALLATION OF PROPOSED SANITARY SEWER MAINS. THE ACTUAL LOCATIONS OF THE REPLACEMENT SANITARY SEWER LATERALS WILL BE DETERMINED BY THE FIELD ENGINEER BASED UPON THE ACTUAL DISCOVERED LATERAL LOCATIONS. PROPOSED LATERALS SHALL PERPENDICULARLY CONNECT TO THE PROPOSED SANITARY SEWERS.

TRENCH RESTORATION

FOR TRENCH RESTORATION DETAILS REFER TO SHEET 275.

SANITARY SEWER DEFLECTION TESTING

DEFLECTION TESTS SHALL BE PERFORMED ON ALL FLEXIBLE SANITARY PIPES. THE TEST SHALL BE CONDUCTED AFTER THE FINAL BACKFILL HAS BEEN IN PLACE AT LEAST 30 DAYS. NO PIPE SHALL EXCEED A DEFLECTION OF 5 PERCENT. IF DEFLECTION EXCEEDS 5 PERCENT, REPLACEMENT OR CORRECTION SHALL BE ACCOMPLISHED. THE RIGID BALL OR MANDREL USED FOR THE DEFLECTION TEST SHALL HAVE A DIAMETER NOT LESS THAN 95 PERCENT OF THE BASE INSIDE DIAMETER OR AVERAGE INSIDE DIAMETER OF THE PIPE DEPENDING ON WHICH IS SPECIFIED IN THE ASTM SPECIFICATION, INCLUDING THE APPENDIX, TO WHICH THE PIPE IS MANUFACTURED. THE PIPE SHALL BE MEASURED IN COMPLIANCE WITH ASTM D 2122 STANDARD TEST METHOD OF DETERMINING DIMENSIONS OF THERMOPLASTIC PIPE AND FITTINGS. THE TEST SHALL BE PERFORMED WITHOUT MECHANICAL PULLING DEVICES.

SANITARY MANHOLE LEAKAGE TESTING

AFTER INTALLATION, SANITARY MANHOLES SHALL BE TESTED FOR WATERTIGHTNESS AND INTEGRITY IN COMPLIANCE WITH ASTM C 1244.

EXISTING UTILITIES

ALTHOUGH A CONCERTED ATTEMPT TO LOCATE THE UNDERGROUND UTILITIES ON THE PROJECT WAS UNDERTAKEN, THE ACTUAL LOCATIONS MAY VARY FROM WHAT IS SHOWN ON THE PLANS. THEREFORE, THE CONTRACTOR SHALL VERIFY LOCATIONS OF THE EXISTING UTILITIES PRIOR TO THE EXECUTION OF THE PROPOSED WORK.

	REVISION	DATE	BY
1	OHIO REALIGNMENT	8/05	KAS
2	FORCE MAIN REVISION	2/06	DW

CALCULATED BCR
CHECKED KAS

SANITARY GENERAL NOTES

MEG-33-15.70

DESC. / STA.	X COORDINATE	Y COORDINATE	BEARING
Proposed 4" Sanitary Force Main			
P.I. 14+38.10	2098217.47	369191.66	
P.I. 14+83.68	2098226.06	369236.43	N 10°51'40" E
P.I. 15+61.31	2098151.53	369258.15	N 74°25'03" W
P.I. 16+89.43	2098187.38	369381.15	N 16°14'57" E
P.I. 18+18.94	2098234.24	369501.88	N 21°13'00" E
P.I. 18+48.24	2098249.97	369526.60	N 32°28'00" E
P.C. 20+85.89	2098335.98	369748.15	N 21°13'00" E
P.I. 22+38.36	2098383.51	369893.57	CURVE 1
P.I. 22+46.64	2098380.95	369900.80	N 19°32'41" W
P.I. 24+12.29	2098417.80	370062.30	N 12°51'17" E
P.I. 24+20.17	2098423.89	370067.31	N 50°32'51"E
P.C. 25+57.85	2098439.04	370204.01	CURVE 2
P.C. 26+30.69	2098424.79	370273.47	CURVE 3
P.I. 26+73.88	2098401.81	370309.82	CURVE 4
P.I. 27+63.57	2098469.17	370369.05	N 48°40'24" E
P.I. 28+56.39	2098439.22	370456.90	N 18°49'36" W
P.I. 29+87.83	2098481.64	370581.30	N 18°49'59" E
P.I. 30+79.11	2098397.34	370616.30	N 67°27'13" W
P.I. 30+98.59	2098404.42	370634.46	N 21°17'28" E
P.I. 32+25.42	2098442.29	370755.38	CURVE 5
P.I. 33+29.48	2098467.25	370856.41	N 13°52'46" E
P.I. 33+92.48	2098480.16	370918.08	N 11°49'02" E
P.I. 34+26.09	2098485.93	370951.54	N 9°47'01" E
P.I. 34+36.13	2098495.93	370950.70	S 85°10'52" E

CURVE 1 DATA
P.I. Sta = 21+62.43
D = 6°13'54"
Dc = 4°04'16"
R = 1407.39'
T = 76.61'
L = 153.07'
E = 2.08'

CURVE 2 DATA
P.I. Sta = 24+89.01
D = 9°18'49"
Dc = 6°40'28"
R = 847.00'
T = 68.99'
L = 137.68'
E = 2.81'

CURVE 3 DATA
P.I. Sta = 25+93.55
D = 23°20'57"
Dc = 32°42'06"
R = 175.21'
T = 36.20'
L = 71.40'
E = 11.59'

CURVE 4 DATA
P.I. Sta = 26+52.28
D = 18°03'29"
Dc = 41°41'18"
R = 137.00'
T = 21.77'
L = 43.18'
E = 1.72'

CURVE 5 DATA
P.I. Sta = 31+59.18
D = 7°53'17"
Dc = 6°13'11"
R = 921.18'
T = 63.51'
L = 126.82'
E = 2.19'

HORIZONTAL CONTROL - TRAVERSE POINTS

POINT	X COORD.	Y COORD.	POINT DESCRIPTION
1	2098107.352	369601.078	Iron Pin Set, Gravel Drive #578
2	2098084.487	368891.117	P.K. Found - Aerial #400
6	2098366.191	370447.047	Iron Pin Set @ Rock
333	2098253.267	369874.975	Concrete Monument G33-3

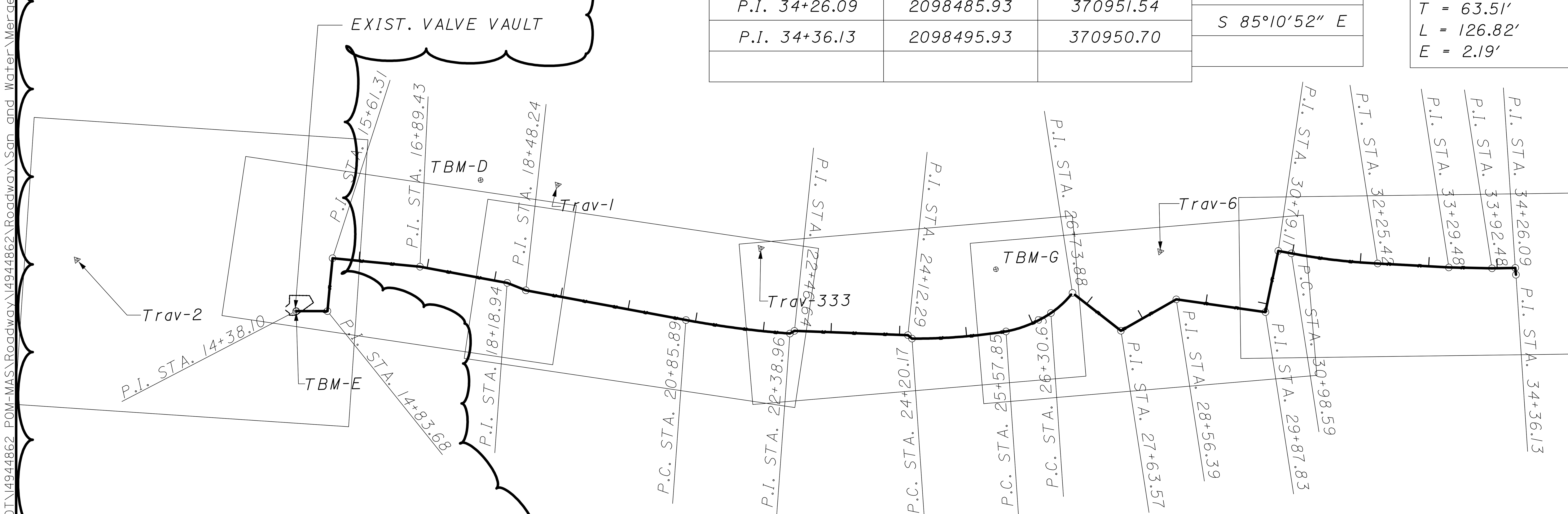
SOURCE OF BENCH - NGS
DESIGNATION Q84 PID-JY0397
NAVD 88 ELEVATION = 570.91 FEET

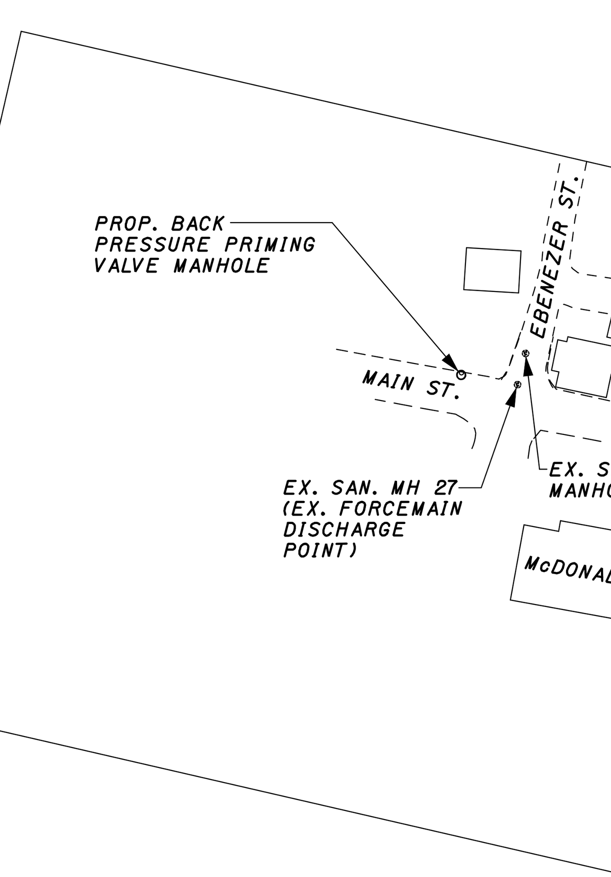
TBM-D ELEV. 599.63
CUT SQUARE, TOP ROCK
OUTCROP 30' NORTH
N/E CORNER 2 STY FRAME
STA. 17+53.36 (SAN. F.M.), 140.59' LT.

TBM-E ELEV. 568.90
CUT SQUARE, EAST SIDE OF VALVE
VAULT, SANITARY LIFT STATION
STA. 14+32.78 (SAN. F.M.), 115.74' RT.

TBM-G ELEV. 576.245, CUT SQUARE
TOP OF STONE AND CONCRETE WALL
WEST SIDE OLD MAIN ST.
STA. 25+62.65 (SAN. F.M.), 91.89' LT.

TBM-H, ELEV. 569.449, CUT SQUARE
TOP SOUTH END OF CONCRETE WALL
@ SW CORNER OF MARATHON STATION





NOTE: Coordinates shown on this plan are Project coordinates. Project coordinates are on an adjustment factor to yield surface measured distances. To convert from Project coordinates to State Plane NAD83(1995) Ohio, south zone coordinates, multiply by the average scale factor of 0.99992808I.

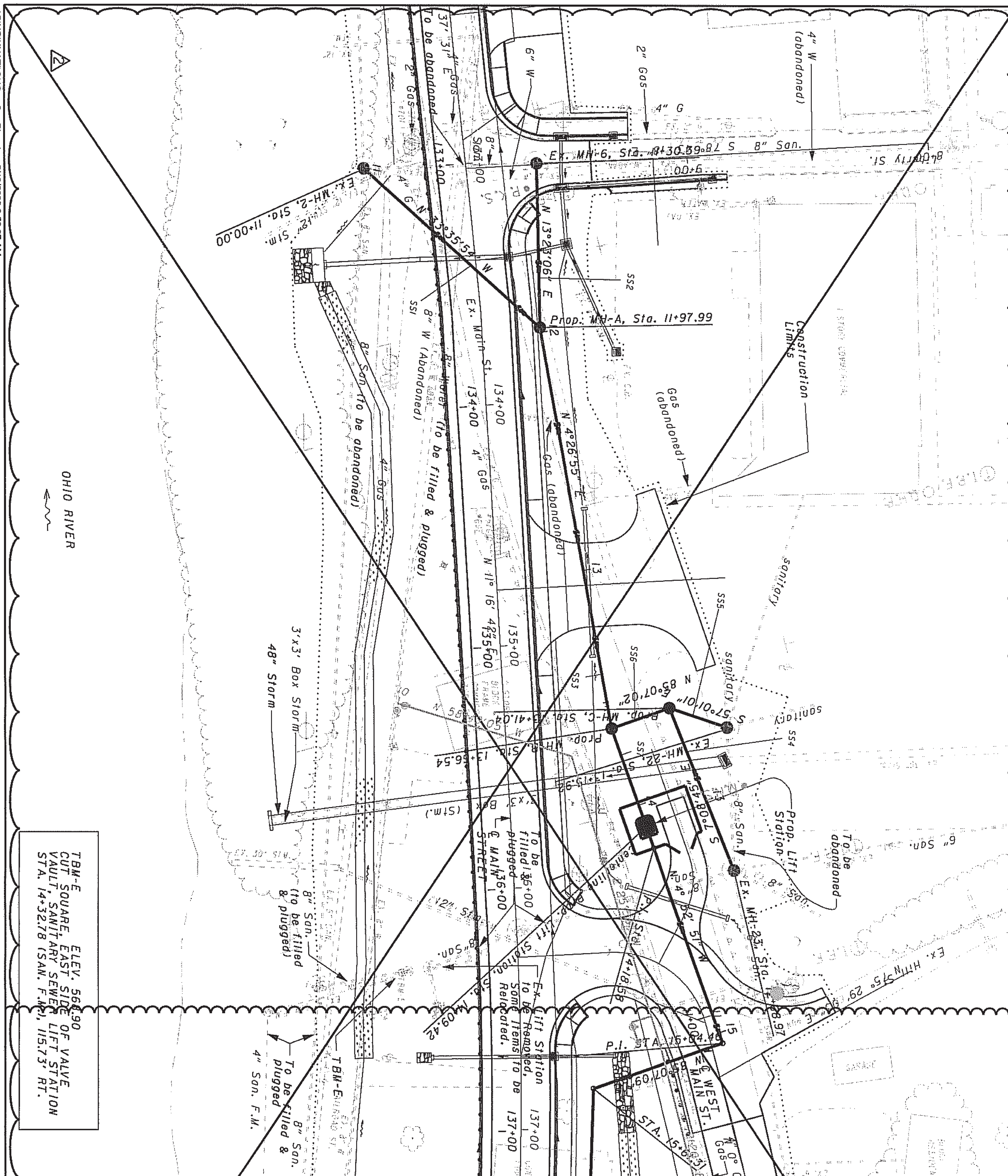
NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	8/05	KAS
2	FORCE MAIN REVISION	2/06	DW

HORIZONTAL SCALE IN FEET: 0 50 100 200

CALCULATED BCR
CHECKED KAS

PROPOSED SANITARY SEWER SCHEMATIC PLAN

MEG-33-15.70



REF NO.	STATION FROM	STATION TO	SIDE	8" CONDUIT, TYPE B, 707.44 (LIN FT)	8" CONDUIT, TYPE C, 707.44 (LIN FT)	MANHOLE NO. 3, AS PER PLAN (EACH)	MANHOLE RECONSTRUCTED TO GRADE, AS PER PLAN (EACH)
SS1	10+00	11+97.99	CL	98			1
SS2	11+30.39	11+97.99	CL	68			1
SS3	11+97.99	13+66.54	CL	169		1	
SS4	12+68.97	13+41.04	CL		72		1
SS5	13+15.92	13+41.04	CL		25		1
SS6	13+41.04	13+66.54	CL		26	1	
SS7	13+66.54	14+09.42	CL	43		1	
TOTALS CARRIED TO SHEET NO. 104				378	123	3	4

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	8/05	KAS
2	FORCE MAIN REVISION	2/06	DW

MEG-33-15.70

GRAVITY SANITARY SEWER PLAN

CALCULATED BCR
CHECKED KAS

HORIZONTAL SCALE IN FEET

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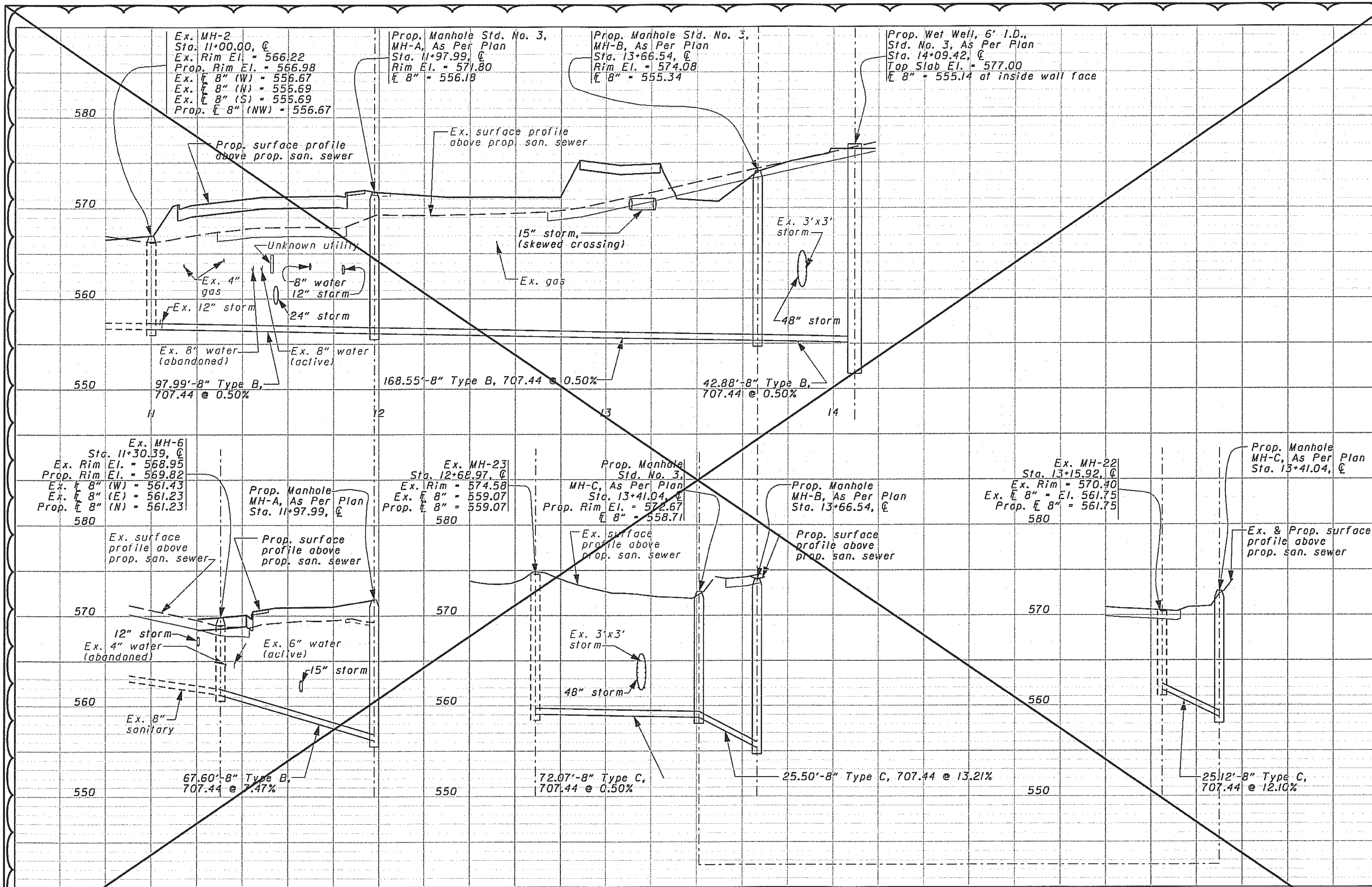

11 12 13 14 13

NUMBER	REVISION	DATE:	BY:
1	FORCE MAIN REVISION	2/06	DW

CALCULATED JAP
CHECKED JAP

GRAVITY SANITARY SEWER PROFILE

MEG-33-15.70

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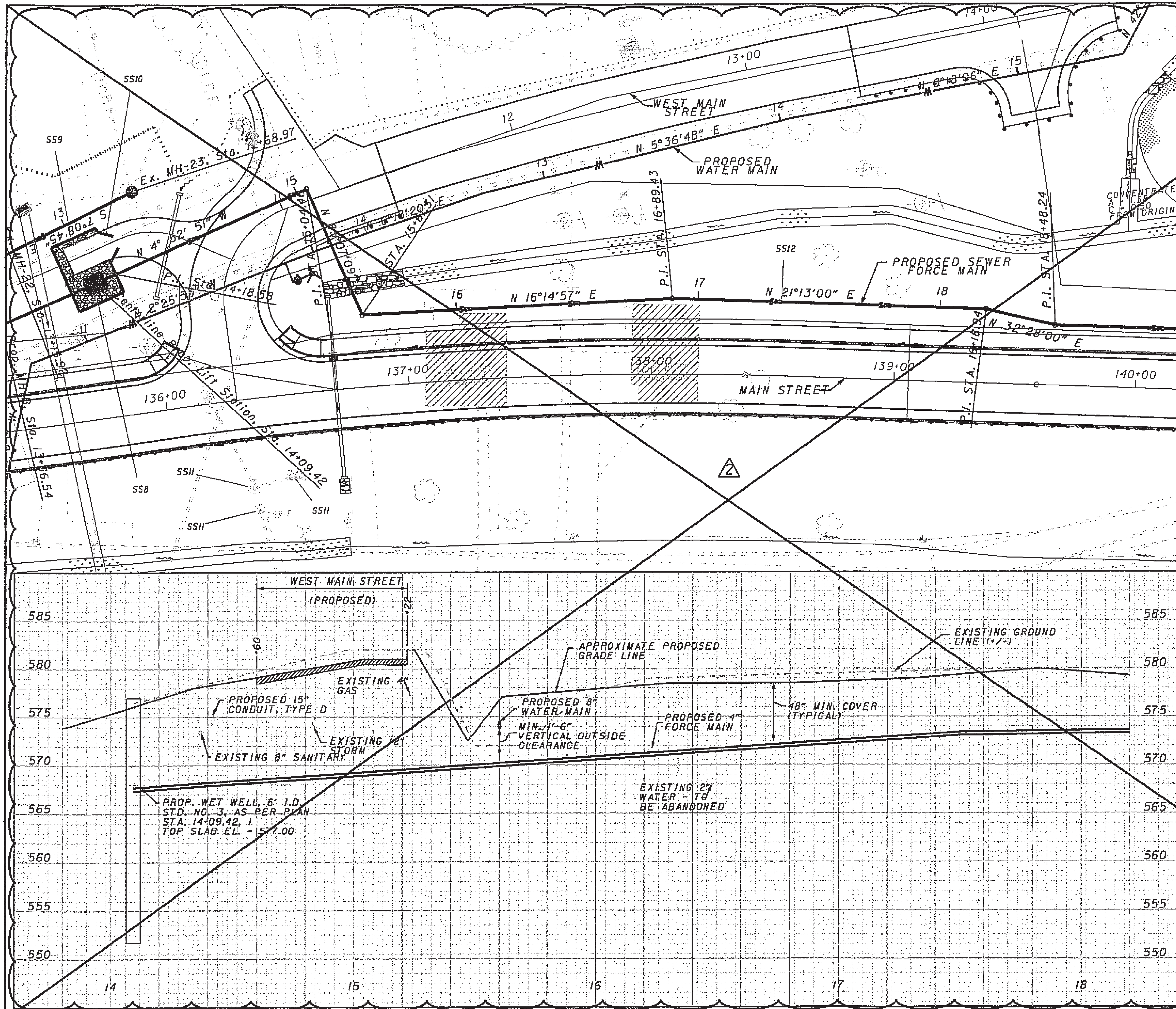


REF NO.	STATION FROM	STATION TO	SIDE	304 AGGREGATE BASE, AS PER PLAN (CU YD)	607 FENCE, TYPE CL, MISC., 8' HT., AS PER PLAN (LIN FT)	607 GATE, TYPE CL, AS PER PLAN (LIN FT)	SPECIAL MISC.: 4" FORCE MAIN (LIN FT)	SPECIAL MISC.: SANITARY LIFT STATION & REMOVAL OF EX. LIFT STATION (LUMP)
SS8	13+98.93	14+18.83	L/R	9				
SS9	13+98.93	14+18.83	L/R		84			
SS10	14+18.93	14+18.83	L/R			1		
SS11	14+09.42	14+35.06	L/R					LUMP
SS12	14+09.42	18+00.00	CL				390.58	
TOTALS CARRIED TO SHEET NO. 104				9	84	1	390.58	LUMP

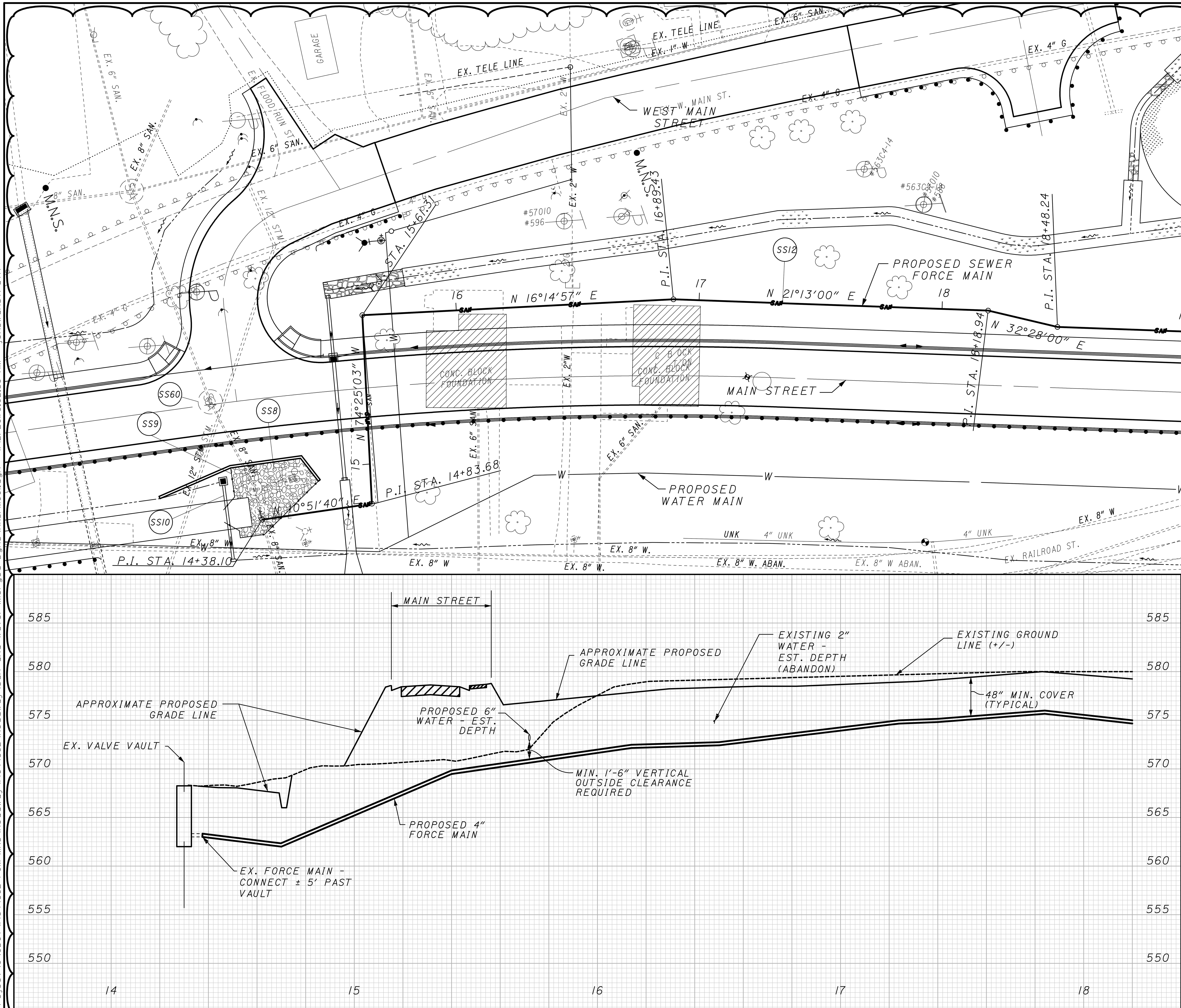
NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	8/05	KAS
2	FORCE MAIN REVISION	2/06	DW

DESIGNED BCR
CHECKED KAS

HORIZONTAL SCALE IN FEET

FORCE MAIN PLAN AND PROFILE
STA 14+09.42 TO STA 18+00

MEG-33-15.70



REF NO.	STATION FROM	STATION TO	SIDE	304 AGGREGATE BASE, AS PER PLAN (CU YD)	607 FENCE, TYPE CL, MISC., 8' HT., AS PER PLAN (LIN FT)	607 GATE, TYPE CL, AS PER PLAN (LIN FT)	SPECIAL MISC.: 4" FORCE MAIN (LIN FT)	604 MANHOLE RECONSTRUCTED TO GRADE AS PER PLAN (EACH)
SS8	14+38.10	14+38.10	L/R	17				
SS9	14+38.10	14+38.10	L/R		57			
SS10	14+38.10	14+38.10	L			1		
SS11	NOT USED							
SS12	14+38.10	18+00.00	CL				361.90	
SS60	136+17.69	MAIN ST.	L					1
TOTALS CARRIED TO SHEET NO. 104				17	57	1	362	1

NUMBER	REVISION	DATE	BY
1	FORCE MAIN REVISION	2/06	DW

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED DW CHECKED SCC

FORCE MAIN PLAN AND PROFILE
STA 14+09.42 TO STA 18+00

MEG-33-15.70

244A / 582

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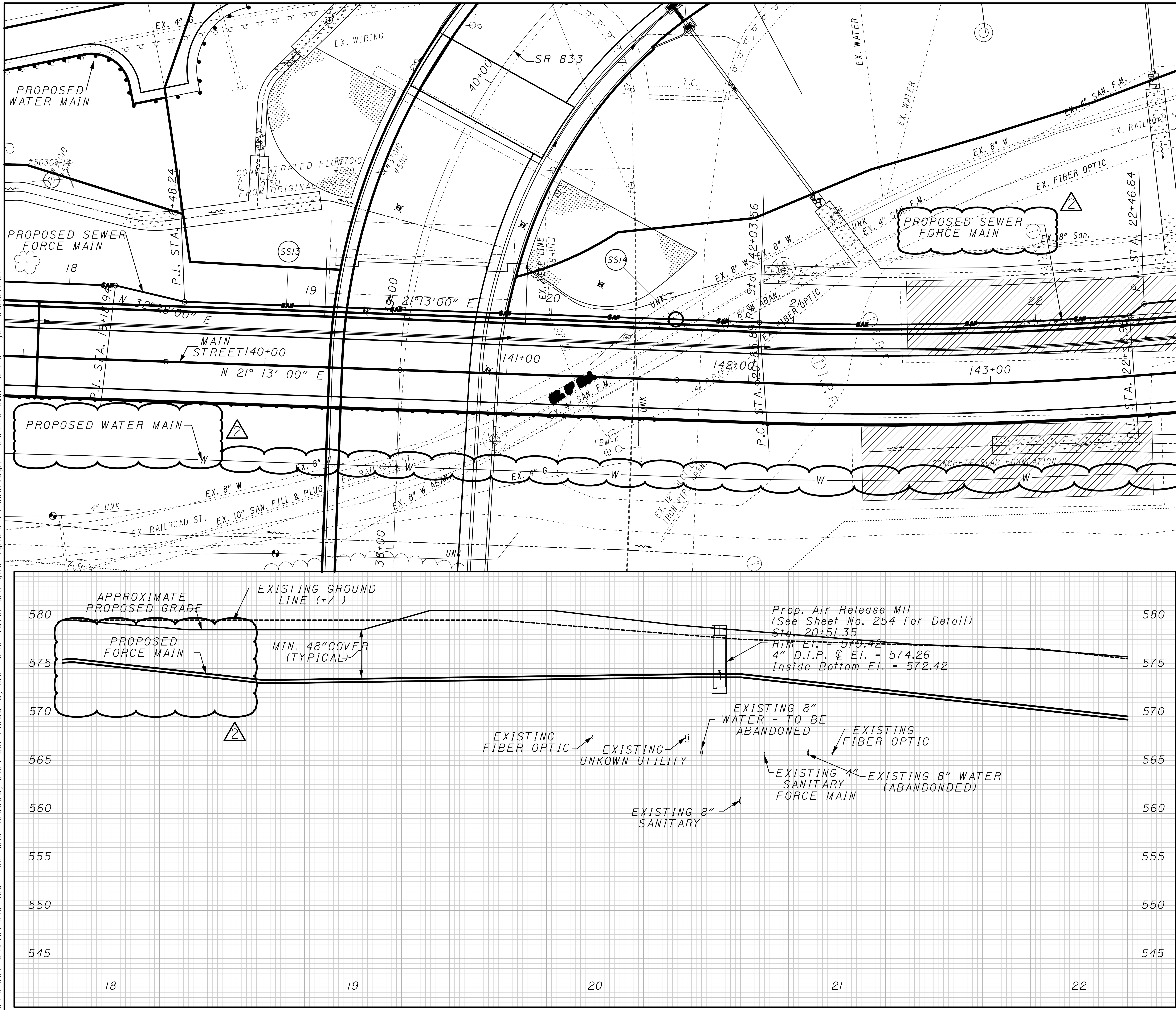

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REF NO.	STATION FROM	STATION TO	SIDE	SPECIAL MISC: 4" FORCE MAIN (LIN FT)	SPECIAL MISC: AIR RELEASE VALVE MANHOLE (EACH)
SS13	18+00.00	22+00.00	CL	400	
SS14	20+48.34	20+54.35	CL		1
TOTALS CARRIED TO SHEET NO. 104				400	1

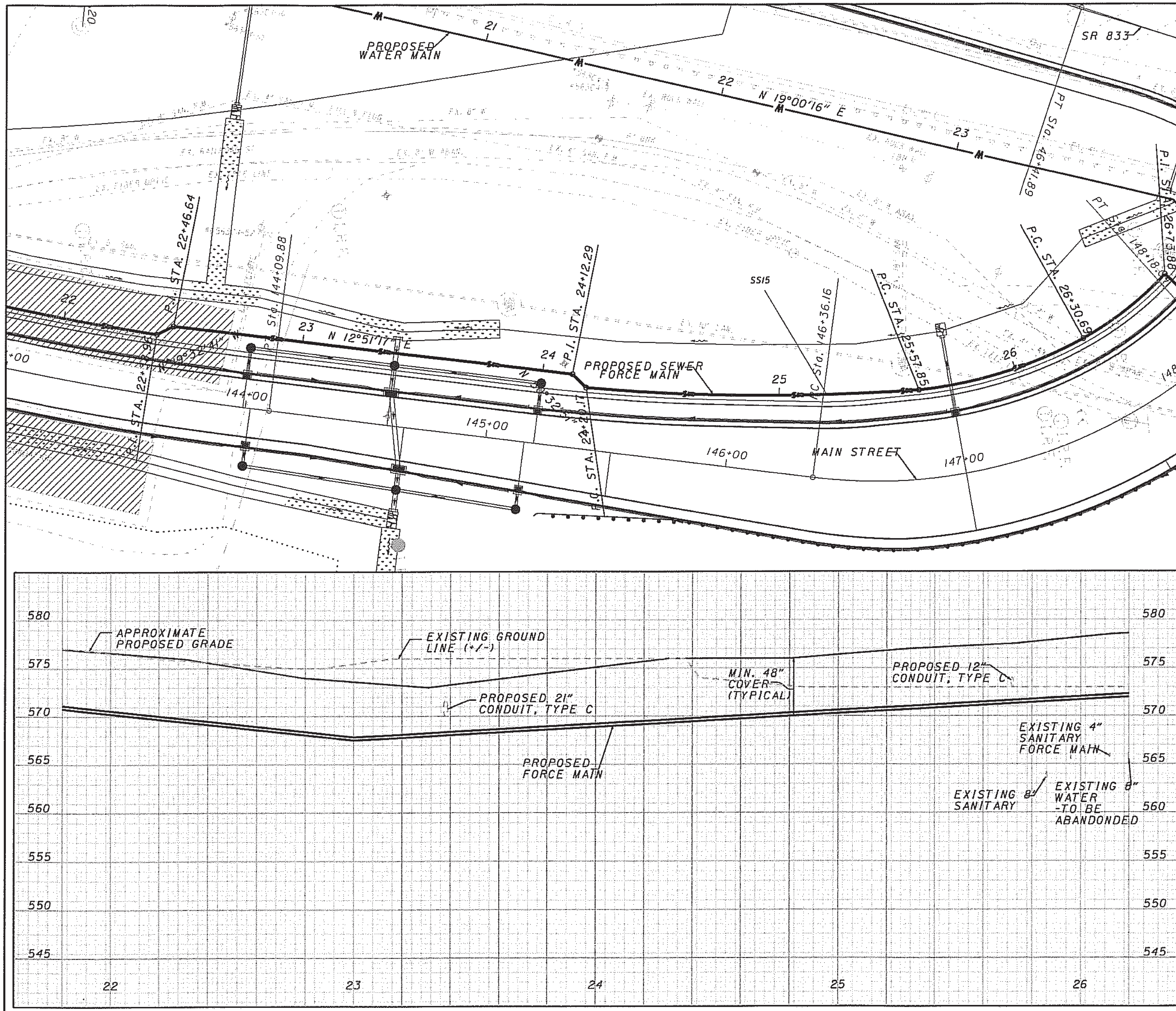
NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	8/05	KAS
2	FORCE MAIN REVISION	2/06	DW

CALCULATED BCR
CHECKED KAS

0 10 20 40
HORIZONTAL SCALE IN FEET

FORCE MAIN PLAN AND PROFILE
STA 18+00 TO STA 22+00

MEG-33-15.70



REF NO.	STATION FROM	STATION TO	SIDE	SPECIAL MISC.: 4" FORCE MAIN LIN FT
SS15	22+00.00	26+00.00		400
TOTALS CARRIED TO SHEET NO. 104				400

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	8/05	KAS

HORIZONTAL SCALE IN FEET: 0 10 20 40

CALCULATED BCR
CHECKED KAS

FORCE MAIN PLAN AND PROFILE STA 22+00 TO STA 26+00

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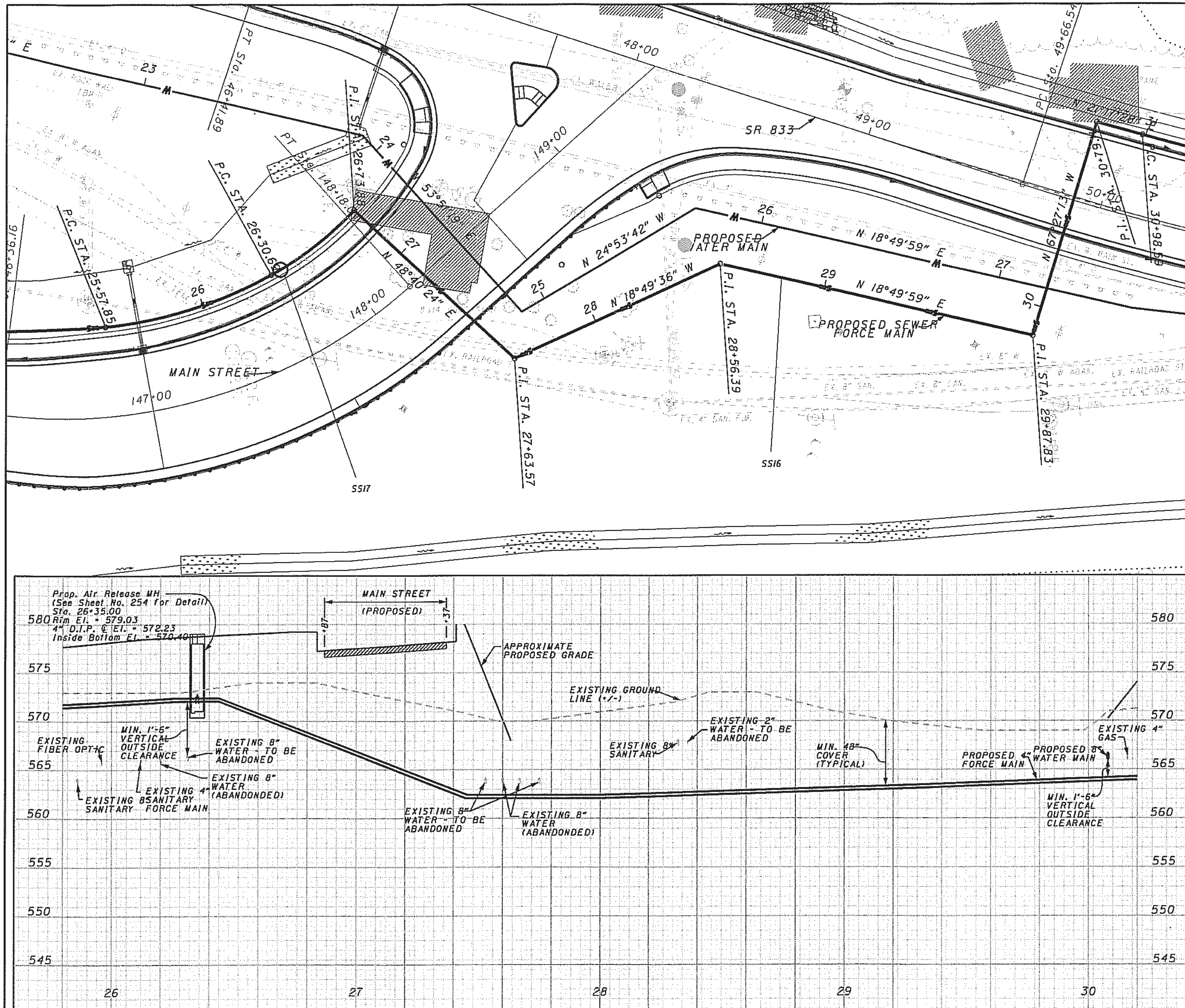

FORCE MAIN PLAN AND PROFILE
STA 26+00 TO STA 30+00

MEG-33-15.70

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	8/05	KAS

CALCULATED BCR
CHECKED KAS

HORIZONTAL SCALE IN FEET 0 10 20 40

REF NO.	STATION FROM	STATION TO	SIDE	SPECIAL: MISC.: 4" FORCE MAIN (LIN FT)	SPECIAL: MISC.: AIR RELEASE VALVE MANHOLE (EACH)
SS16	26+00.00	30+00.00		400	
SS17	26+32.00	26+38.00			1
TOTALS CARRIED TO SHEET NO. 104				400	1

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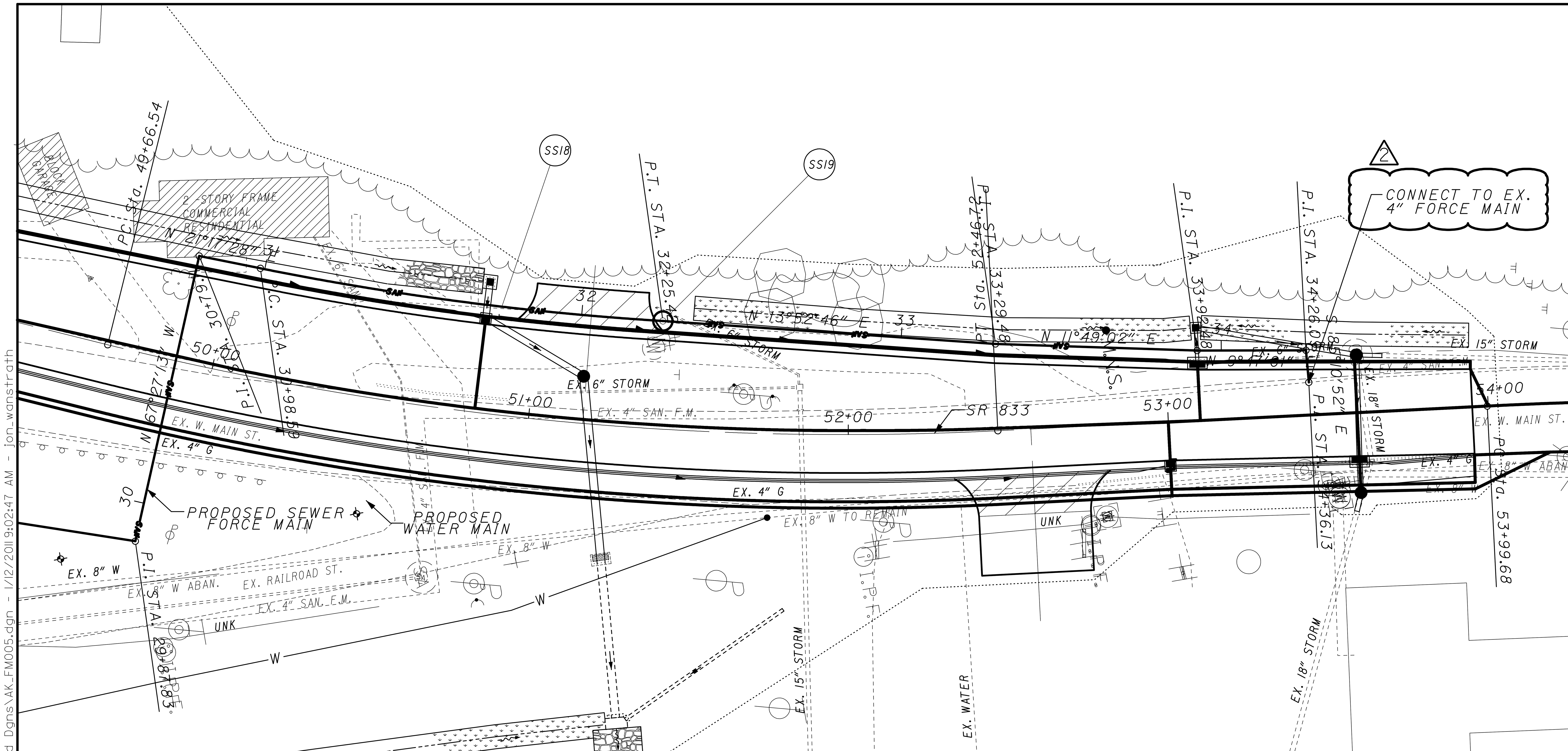
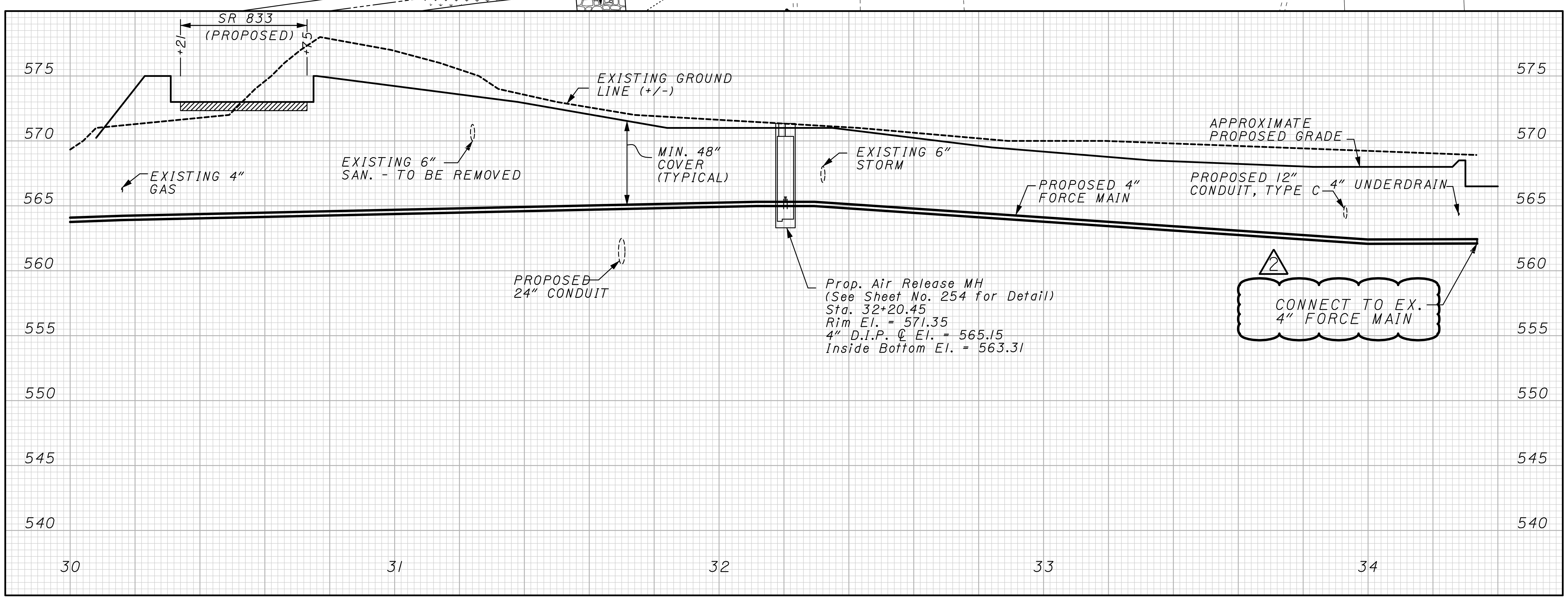




REF NO.	STATION FROM	STATION TO	SIDE	SPECIAL MISC.: 4" FORCE MAIN (LIN FT)	SPECIAL MISC.: AIR RELEASE VALVE MANHOLE (EACH)
SS18	30+00.00	34+36.13		436.13	
SS19	32+17.45	32+23.45			1
TOTALS CARRIED TO SHEET NO. 104				436.13	1

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	8/05	KAS
2	FORCE MAIN REVISION	2/06	DW

0 10 20 40
HORIZONTAL SCALE IN FEET

CALCULATED BCR
CHECKED KAS

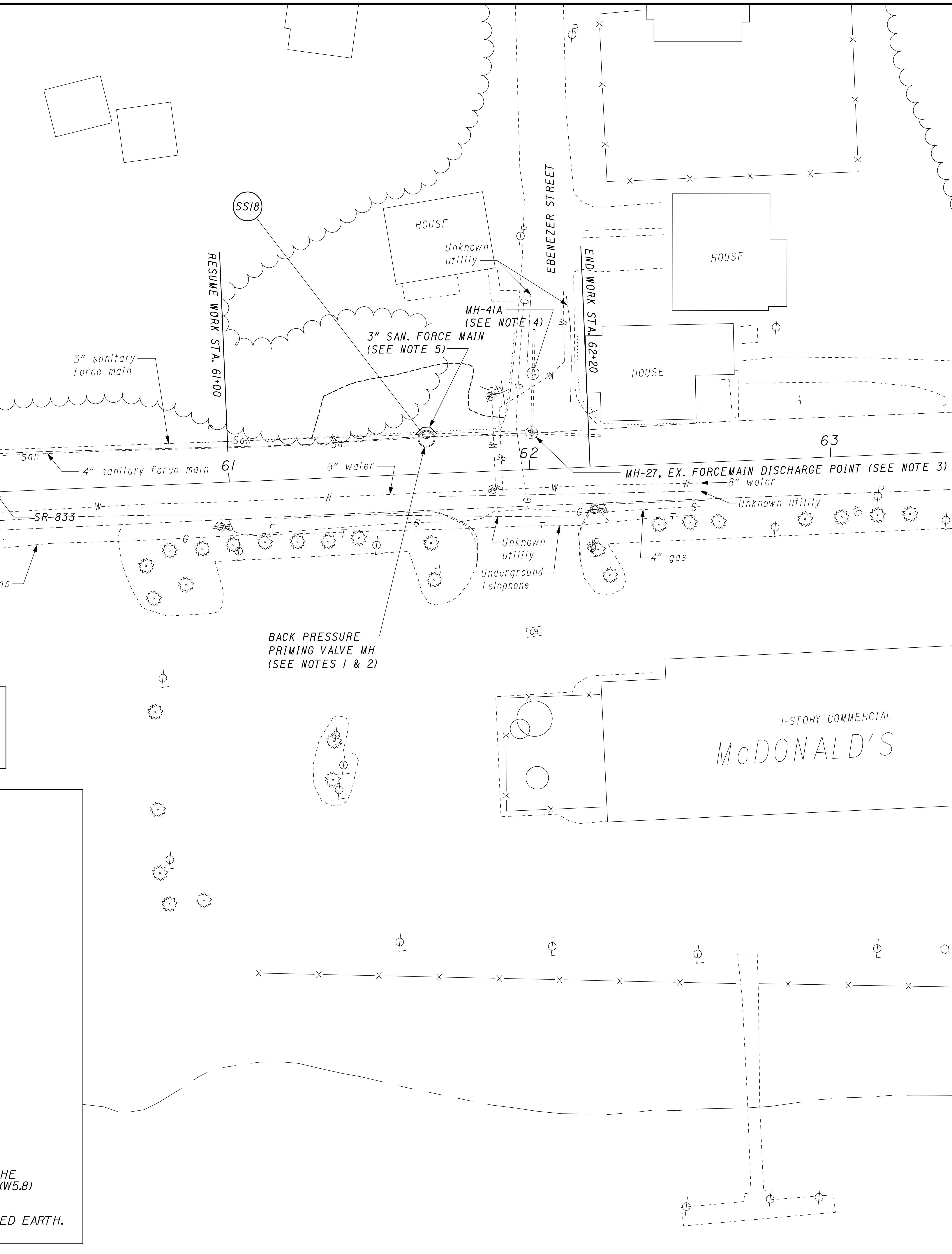
FORCE MAIN PLAN AND PROFILE
STA 30+00 TO STA 34+36.13

MEG-33-15.70

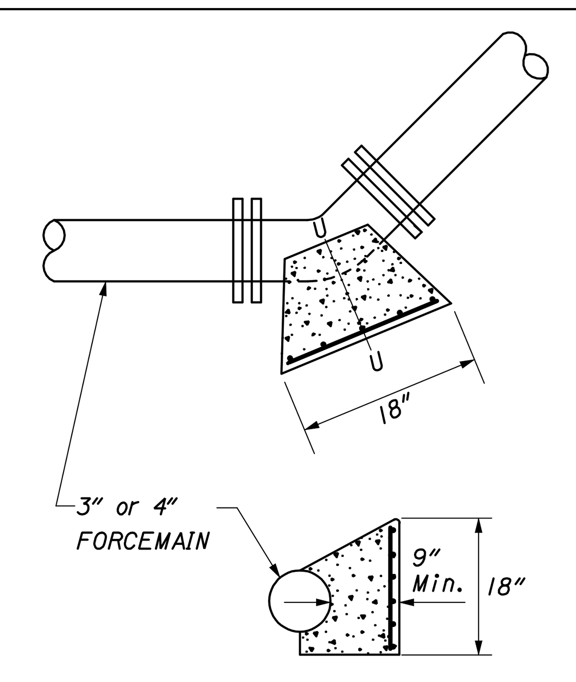
248
582

NOTES:

1. FOR ADDITIONAL INFORMATION SEE BACK PRESSURE PRIMING VALVE MANHOLE DETAIL ON SHEET 255 AND SANITARY GENERAL NOTES ON SHEET 240.
2. LOCATE THE CENTER OF THE PROPOSED BACK PRESSURE PRIMING VALVE MANHOLE A DISTANCE OF 35 FEET SOUTH OF EXISTING SANITARY MH-27, PLACING IT AT STA. 61+66.11, 11.66 LT. OF SR833 CENTERLINE. EXISTING MH-27 IS THE EXISTING 4" FORCE MAIN DISCHARGE POINT. THE PROPOSED MANHOLE SHALL ACTUALLY BE CENTERED ON THE ACTUAL LOCATION OF THE EXISTING 4" FORCE MAIN, AS DISCOVERED BY THE CONTRACTOR IN THE FIELD.
3. EXISTING MH-27 HAS IS LOCATED AT SR833, STATION 62+01.10, 12.17 LT., WITH AN EXISTING RIM ELEVATION OF 569.95 AND AN EXISTING 8" PVC SEWER FROM THE WEST WITH AN INVERT ELEVATION OF 562.79, AN EXISTING 8" PVC SEWER OUT THE NORTH HAS AN INVERT ELEVATION OF 562.58. THE EXISTING 3" AND 4" FORCE MAIN, ENTERING FROM THE SOUTH, HAS AN INVERT ELEVATION OF 562.81.
4. EXISTING MH-41A IS A DROP MANHOLE WITH AN EXISTING RIM ELEVATION OF 572.79 AND AN EXISTING 8" PVC SEWER OUT THE MANHOLE TO THE EAST AT AN INVERT ELEVATION OF 565.39.
5. EXISTING 3" SANITARY FORCEMAIN SHALL BE RELOCATED AROUND THE PROPOSED VALVE MANHOLE USING 3" PVC, SDR 26 PIPE AND FITTINGS. INSTALL IN ACCORDANCE WITH APPLICABLE SECTIONS OF ODOT ITEM 638. THERE SHALL BE A MINIMUM 12" CLEARANCE BETWEEN OUTSIDE EDGE OF MANHOLE AND THE RELOCATED 3" PIPE. USE 45° BENDS TO ACHIEVE THE RELOCATION. REMOVE SEGMENT OF 3" FORCE MAIN BETWEEN RELOCATED CONNECTION POINTS. THIS WORK SHALL BE INCLUDED AS AN INCIDENTAL COST OF THE LUMP COST FOR MISC.: BACK PRESSURE PRIMING VALVE MANHOLE. CONTRACTOR SHALL COORDINATE THIS WORK WITH THE VILLAGE OF POMEROY, REGARDING THE OPERATION OF THE EXISTING LIFT STATION WHICH THE EXISTING 3" FORCE MAIN SERVES. INSTALL THRUST BLOCKING AS PER DETAIL ON THIS SHEET.



TBM-H, ELEV. 569.449, CUT SQUARE TOP SOUTH END OF CONCRETE WALL @ SW CORNER OF MARATHON STATION STA. 55+49.12 (SR 833), 28.33' RT. (NOT SHOWN ON THIS SHEET)



THRUST BLOCKING DETAIL
HORIZONTAL BENDS
FOR 4" DIA. OR SMALLER PIPE
NOT TO SCALE

NOTES:
ALL STEEL BARS SHALL BE 3/4" AT 6" SPACING.

IN LIEU OF STEEL REINFORCING BARS, THE CONTRACTOR HAS THE OPTION TO USE WELDED WIRE FABRIC SHEETS (12 x 12 - W5.8XW5.8) @ 42 LBS. PER 100 S.F.

ALL CONCRETE BLOCKING SHALL BE PLACED AGAINST UNDISTURBED EARTH.

REF NO.	LOCATION	SIDE	SPECIAL MISC: BACK PRESSURE PRIMING VALVE MANHOLE LUMP
SS18	SR 833, STA. 61+95.25, 12.18 LT.		LUMP
TOTALS CARRIED TO SHEET NO. 104			LUMP

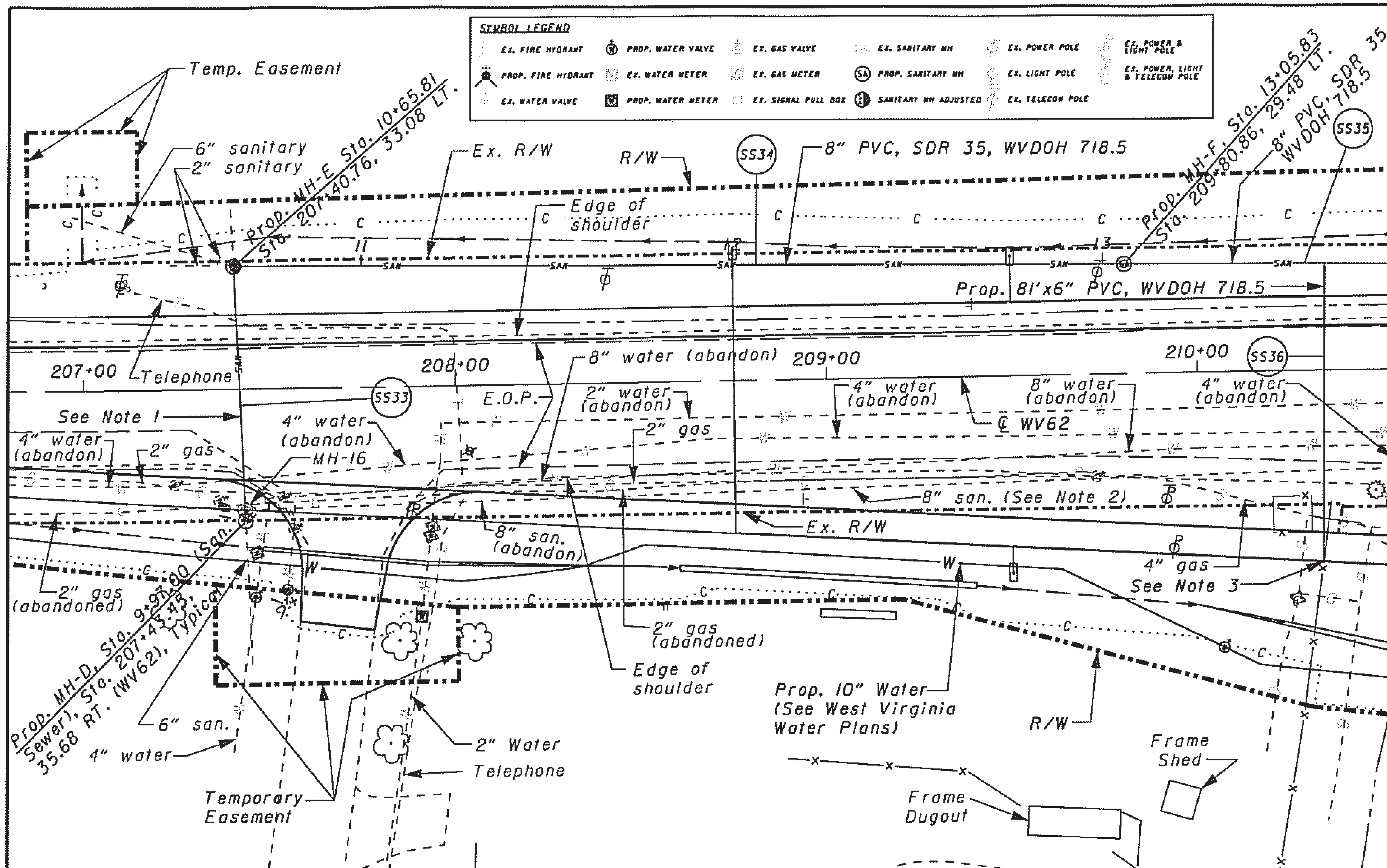
HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED JAP
CHECKED JAP

BACK PRESSURE PRIMING VALVE MANHOLE FORCE MAIN PLAN - STA. 61+00 TO STA. 62+20

MEG-33-15.70

J:\Project\O\ODOT\4944862 POM-MAS\Roadway\4944862\Roadway\cincinnati\UP104.DGN - 1/11/2011 4:24:37 PM - jon.wanstrath

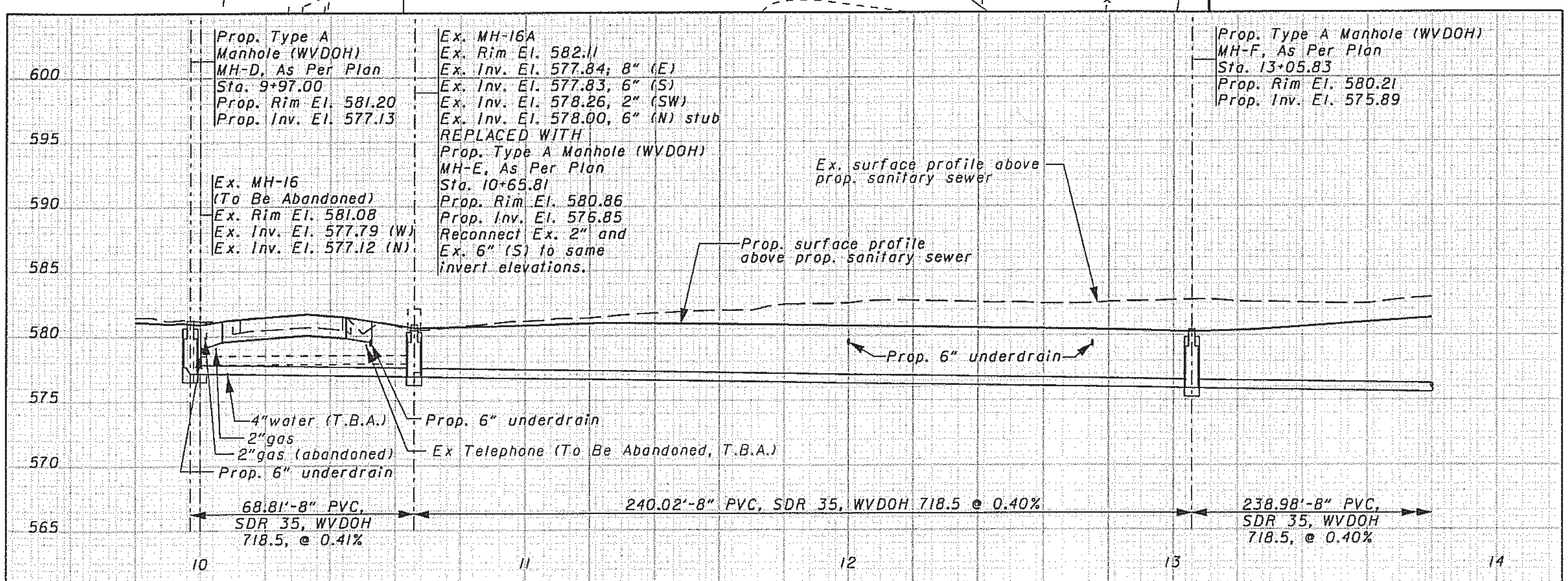


NOTES:

1. Existing 8" sanitary sewer flowing east will be removed and a new proposed 8" PVC, Sch 35, (ODOT 707.45) sanitary sewer shall be installed to reverse the direction of flow from east to west.
2. The sections of existing sanitary sewer from Ex. MH-16 to Ex. MH-12 shall be abandoned by purging, filling and capping once the proposed sanitary sewer is installed, tested and accepted.
3. Reconnect existing 6" sanitary sewer lateral from high school to prop. 8" sanitary sewer. Reconnect to existing sanitary service lateral at edge of proposed shoulder.

TBM-A: ELEV. 581.461
(NOT SHOWN, SEE SHEET 271)
CUT SQUARE, IN NORTHWEST CORNER OF TOP STEP AT WEST SIDE OF MASON DENTAL CARE BUILDING.
STA. 205+40.43, 55.92' RT.

TBM-B: ELEV. 585.278
(NOT SHOWN, SEE SHEET 251)
CUT SQUARE, IN TOP OF LIGHT BASE ALONG WALMART DRIVE.
STA. 214+33.59, 87.97' RT.



REF NO.	STATION FROM	STATION TO	SIDE	MISC: TYPE A MANHOLE (WVDOH), AS PER PLAN EACH	SPECIAL MISC: 6" PLASTIC SEWER (WVDOH) LIN FT	MISC: 8" PLASTIC SEWER (WVDOH) LIN FT	MISC: 8" RECONSTRUCTED SAN. SEWER, TYPE 718.5 (WVDOH) LIN FT	MISC: CAPPING MANHOLE (WVDOH) EACH
SS33	9+97.00	10+65.81	CL	1			69	1
SS34	10+65.81	13+05.83	CL	1		240		1
SS35	13+05.83	15+44.81	CL	1		239		
SS36	13+59.57	13+59.57	CL/R		81			
TOTALS CARRIED TO SHEET NO. 105				3	81	479	69	2

N

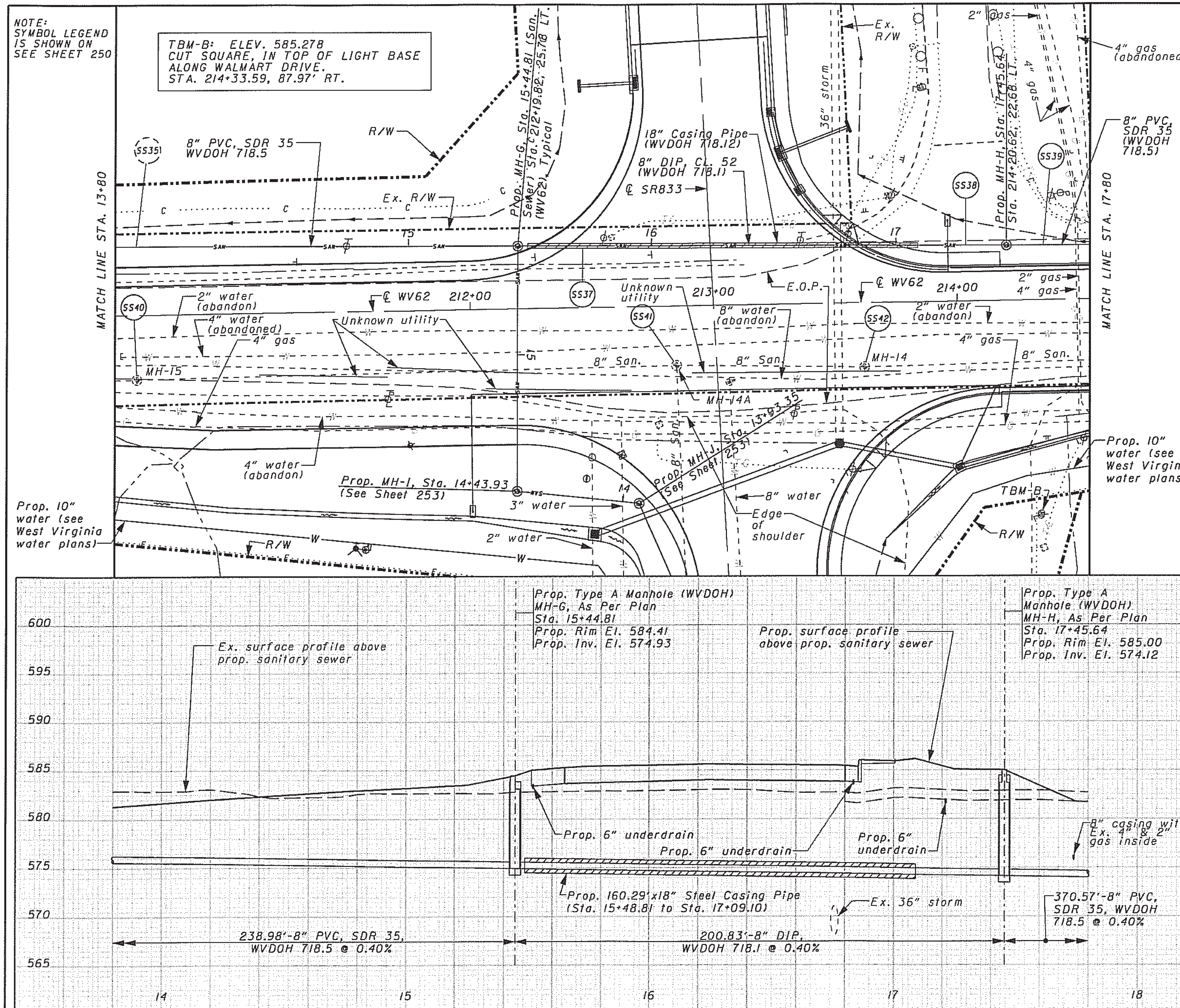
HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED JAP CHECKED KAS

WEST VIRGINIA SANITARY SEWER PLAN AND PROFILE
STA. 9+97 TO STA. 13+80

MEG-33-15.70

250/582



SPECIAL

REF NO.	STATION FROM	STATION TO	SIDE	MISC: TYPE A MANHOLE (WVDOH), AS PER PLAN EACH	MISC: 8" PLASTIC SEWER (WVDOH) LIN FT	MISC: 8" DUCTILE IRON SEWER PIPE, TYPE I, CLASS 52 (WVDOH) LIN FT	MISC: CAPPING MANHOLE (WVDOH) EACH	MISC: 18" STEEL CASING PIPE, THICKNESS 5/16 (WVDOH) LIN FT
SS37	15+48.81	17+09.10	CL					160
SS38	15+44.81	17+45.64	CL	1		201		
SS39	17+45.64	19+20.00	CL	1	174			
SS40	13+88.94	13+88.94	R				1	
SS41	16+10.43	16+10.43	R				1	
SS42	16+87.28	16+87.28	R				1	
TOTALS CARRIED TO SHEET NO. 105				2	174	201	3	160

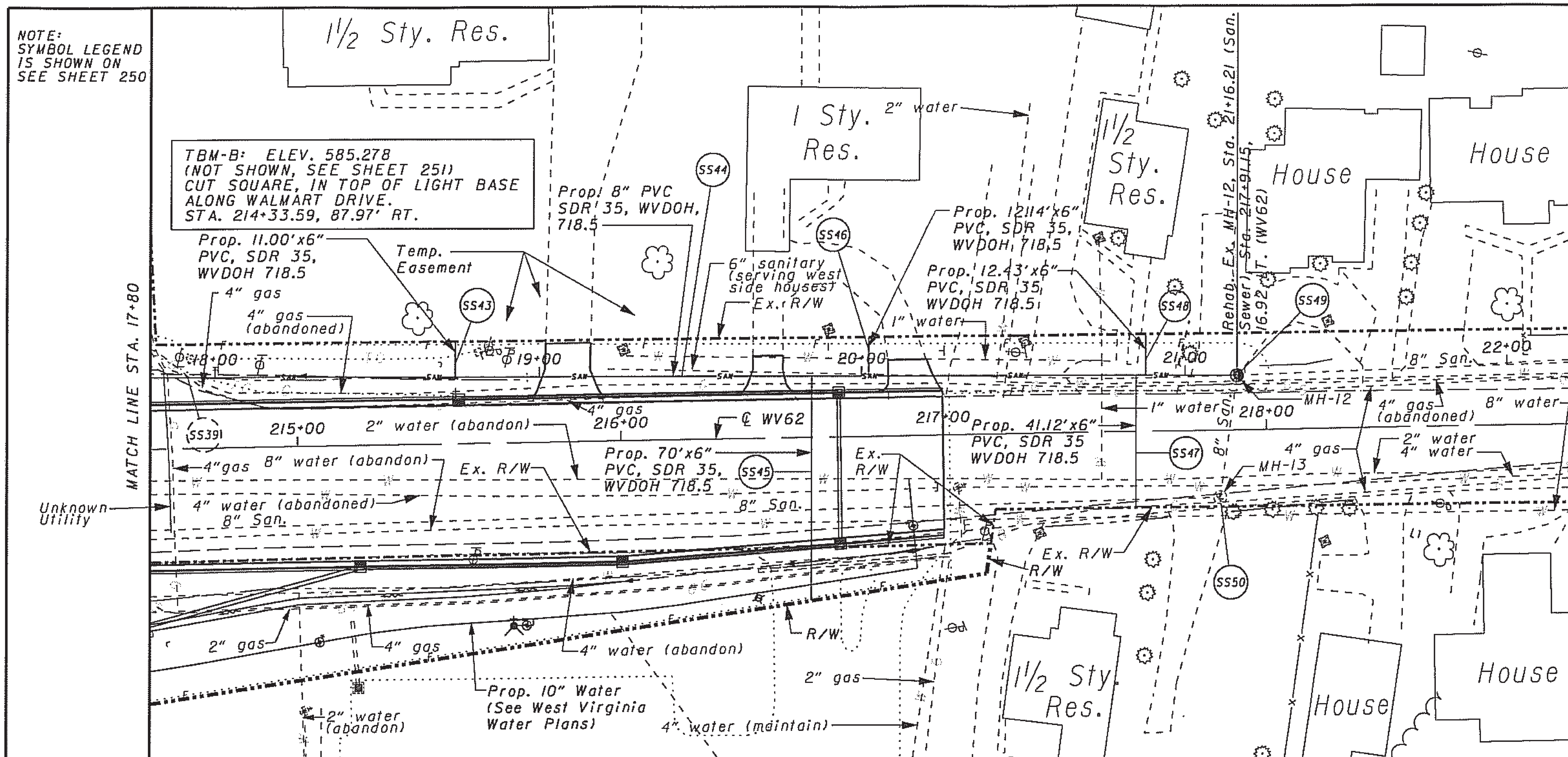
HORIZONTAL SCALE IN FEET 0 10 20 40

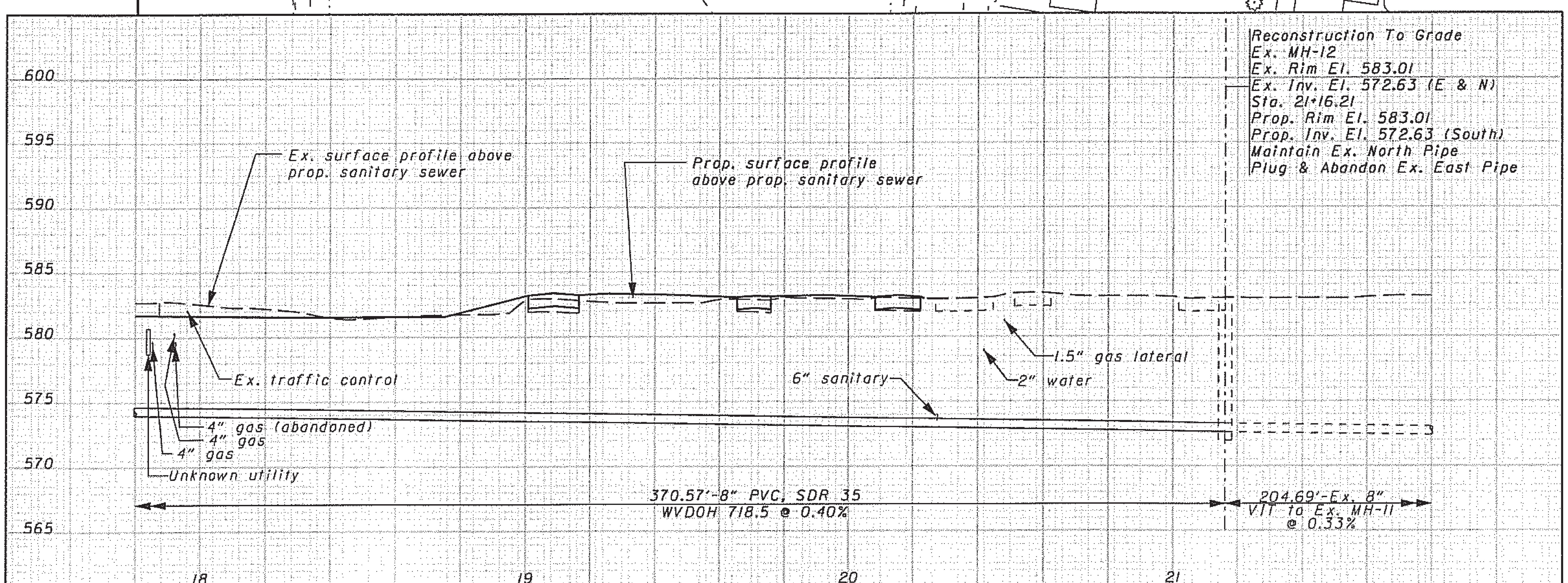
CALCULATED JAP
CHECKED KAS

WEST VIRGINIA SANITARY SEWER PLAN AND PROFILE
STA. 13+80 TO STA. 17+80

MEG-33-15.70

NOTE:
SYMBOL LEGEND
IS SHOWN ON
SEE SHEET 250





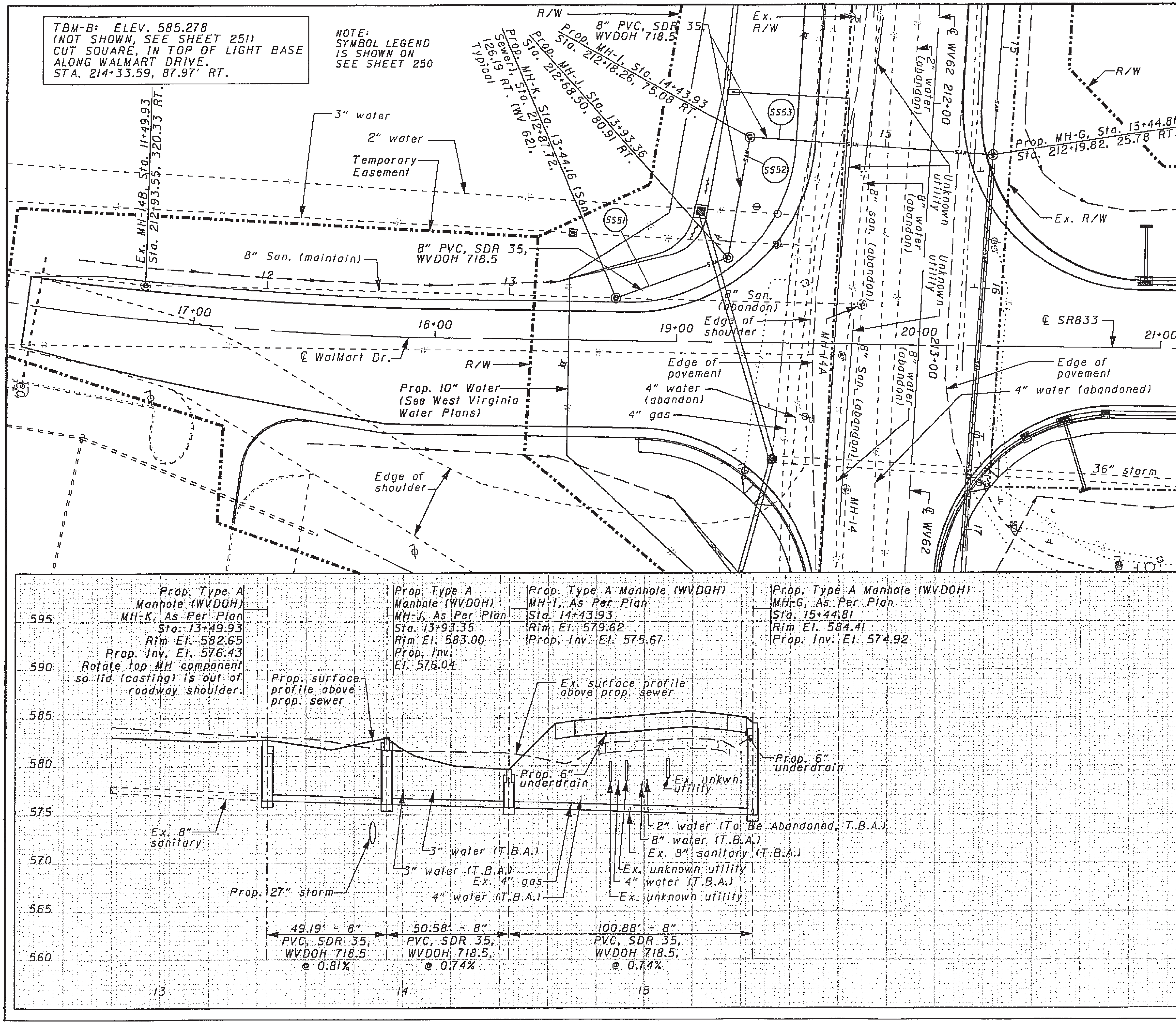
REF NO.	STATION FROM	STATION TO	SIDE	SPECIAL MISC: 6" PLASTIC SEWER (WVDOH) LIN FT	SPECIAL MISC: 8" RECONSTRUCTED SAN. SEWER, TYPE 718.5 (WVDOH) LIN FT	SPECIAL MISC: ADJUSTING MANHOLE (WVDOH) EACH	SPECIAL MISC: CAPPING MANHOLE (WVDOH) EACH
SS43	18+74.10	18+74.10	CL/L	11			
SS44	19+20.00	21+16.21	CL		196		
SS45	19+84.54	19+84.54	CL/R	70			
SS46	20+02.27	20+02.27	CL/L	12			
SS47	20+84.75	20+84.75	CL/R	41			
SS48	20+87.75	20+87.75	CL/L	12			
SS49	21+16.21	21+16.21	CL			1	
SS50	21+11.10	21+11.10	R				1
TOTALS CARRIED TO SHEET NO. 105				146	196	1	1

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED JAP
CHECKED KAS

WEST VIRGINIA SANITARY SEWER PLAN AND PROFILE
STA. 17+80 TO STA. 21+16.21

MEG-33-15.70



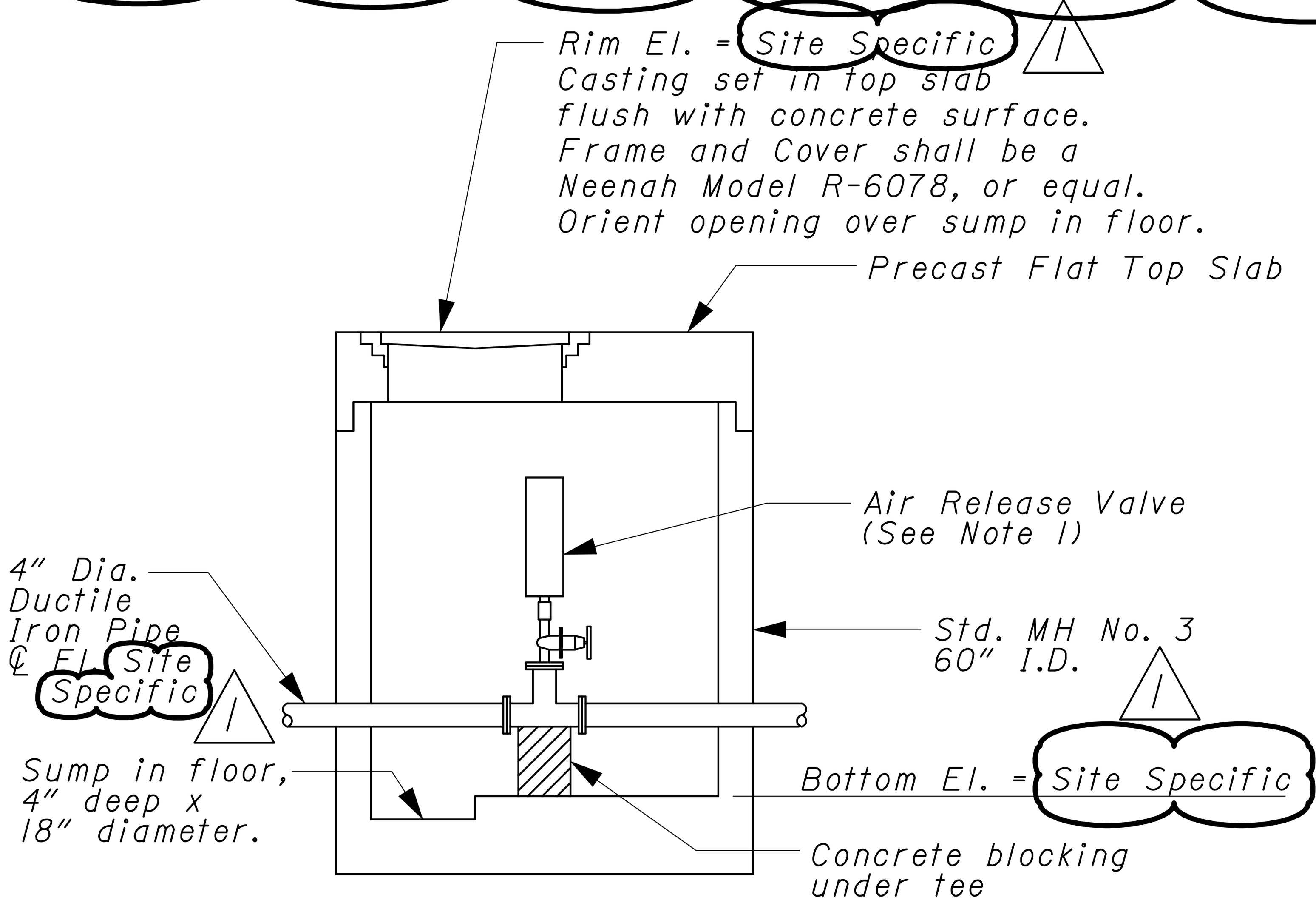
REF NO.	STATION FROM	STATION TO	SIDE	SPECIAL: MISC: TYPE A MANHOLE (WVDOH), AS PER PLAN (EACH)	SPECIAL: MISC: 8" PLASTIC SEWER (WVDOH) (LIN FT)
SS51	13+41.54	13+88.54	CL	1	49
SS52	13+88.54	14+43.93	CL	1	51
SS53	14+43.93	15+44.81	CL	1	101
TOTALS CARRIED TO SHEET NO. 105				3	201

WEST VIRGINIA SANITARY SEWER PLAN AND PROFILE
STA. 13+41.54 TO STA. 15+44.81

MEG-33-15.70

HORIZONTAL SCALE IN FEET: 0 10 20 40

CALCULATED JAP
CHECKED KAS



NOTES:
1. Air Release Valve shall be as per GA Industries, Inc., Figure 925-F, or equal. Equipment shall include backflush attachments, a minimum of 5 feet of rubber hose with quick disconnects, a 2" bronze isolation ball valve, a bronze blowoff valve and bronze flush valve. All accessories shall be provided by the air release valve manufacturer. In addition to its designed function, this valve shall be used to fill (prime) the force main, by using the backflush attachments, prior to start-up and testing of the submersible pumps.

AIR RELEASE VALVE MANHOLE DETAIL

1" = 2'-0"

NUMBER	REVISION	DATE:	BY:
1	FORCE MAIN REVISION	2/06	DW

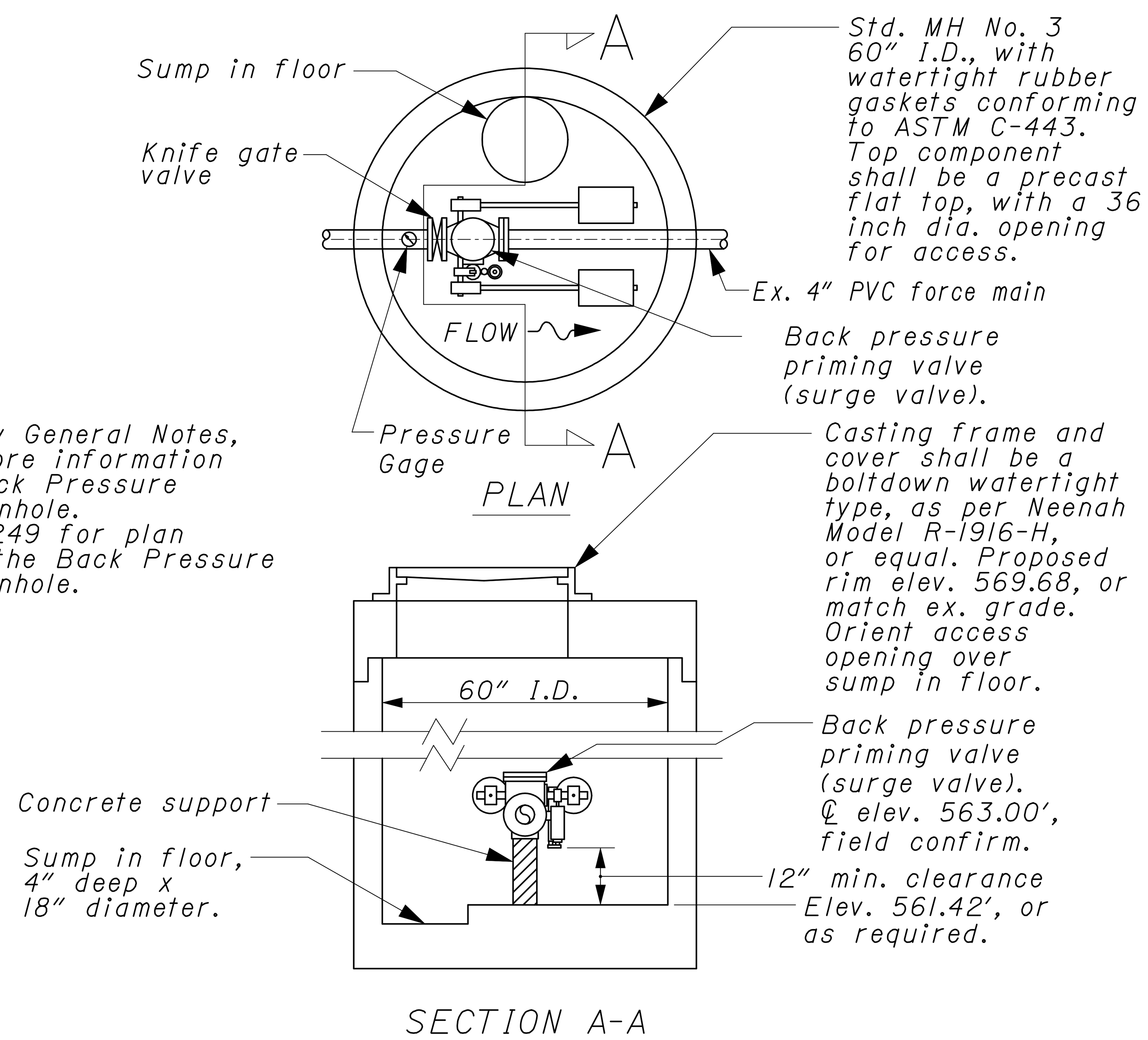
CALCULATED JAP
CHECKED JAP

0 10 20 40
HORIZONTAL SCALE IN FEET

SANITARY LIFT STATION DETAILS

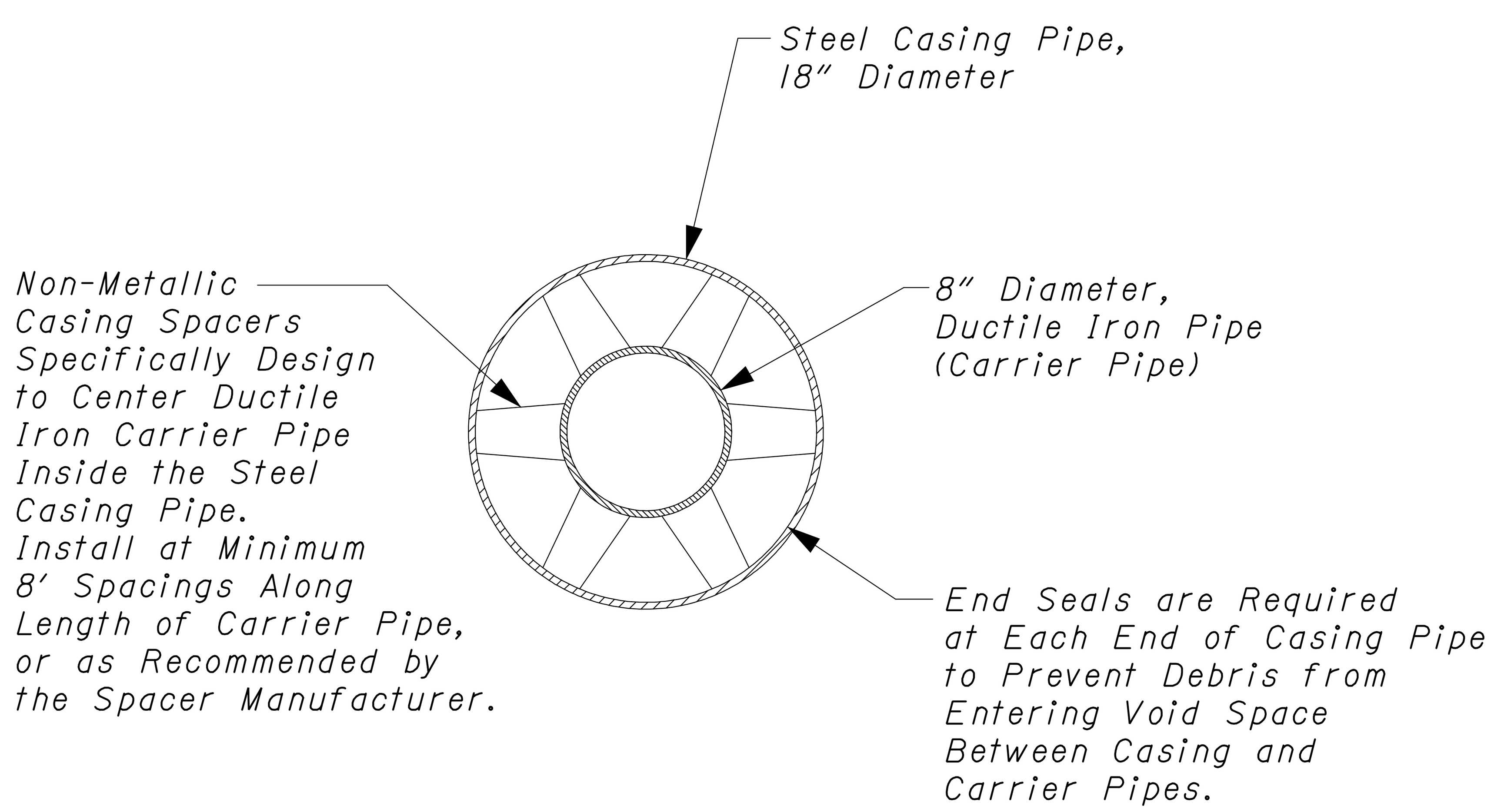
MEG-33-15.70

NOTES:
1. Refer to Sanitary General Notes, Sheet 240 for more information regarding the Back Pressure Priming Valve Manhole.
2. Refer to Sheet 249 for plan location for the the Back Pressure Priming Valve Manhole.



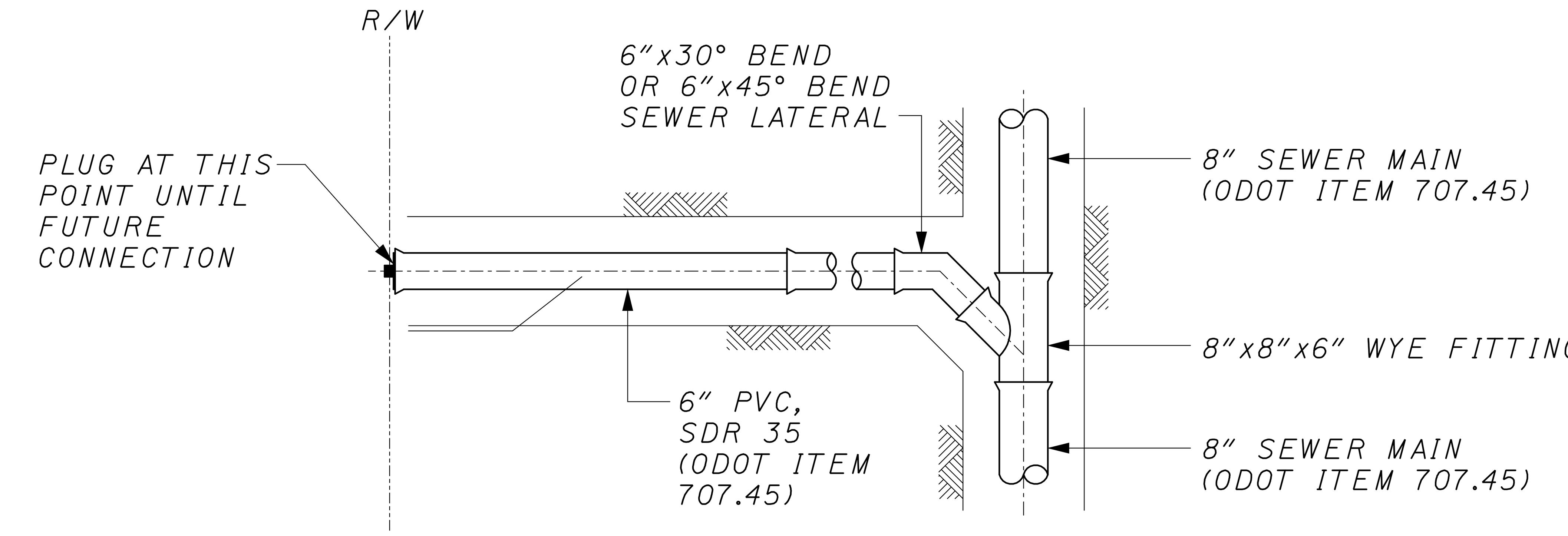
BACK PRESSURE PRIMING VALVE MANHOLE DETAIL

1" = 2'-0"



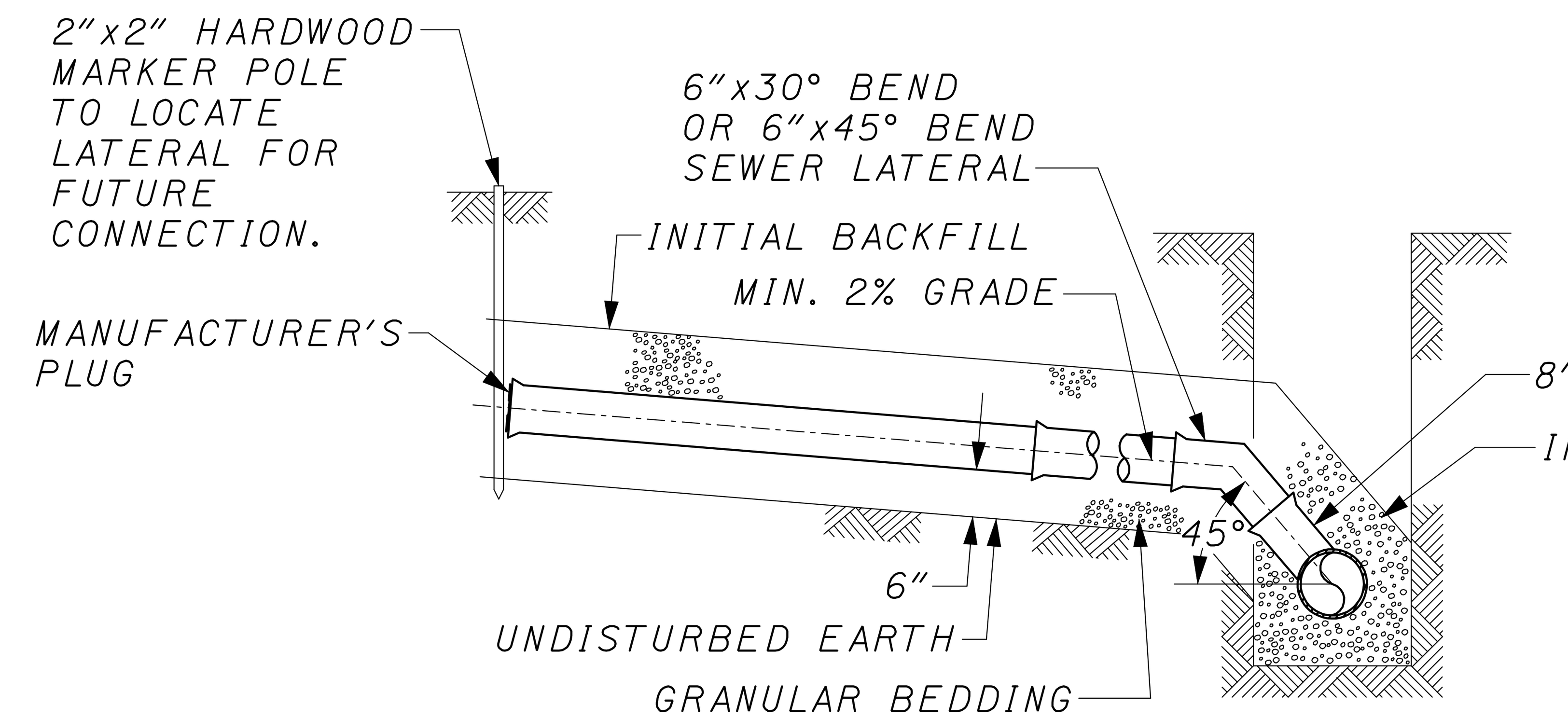
WEST VIRGINIA STEEL CASING PIPE DETAIL

NOT TO SCALE



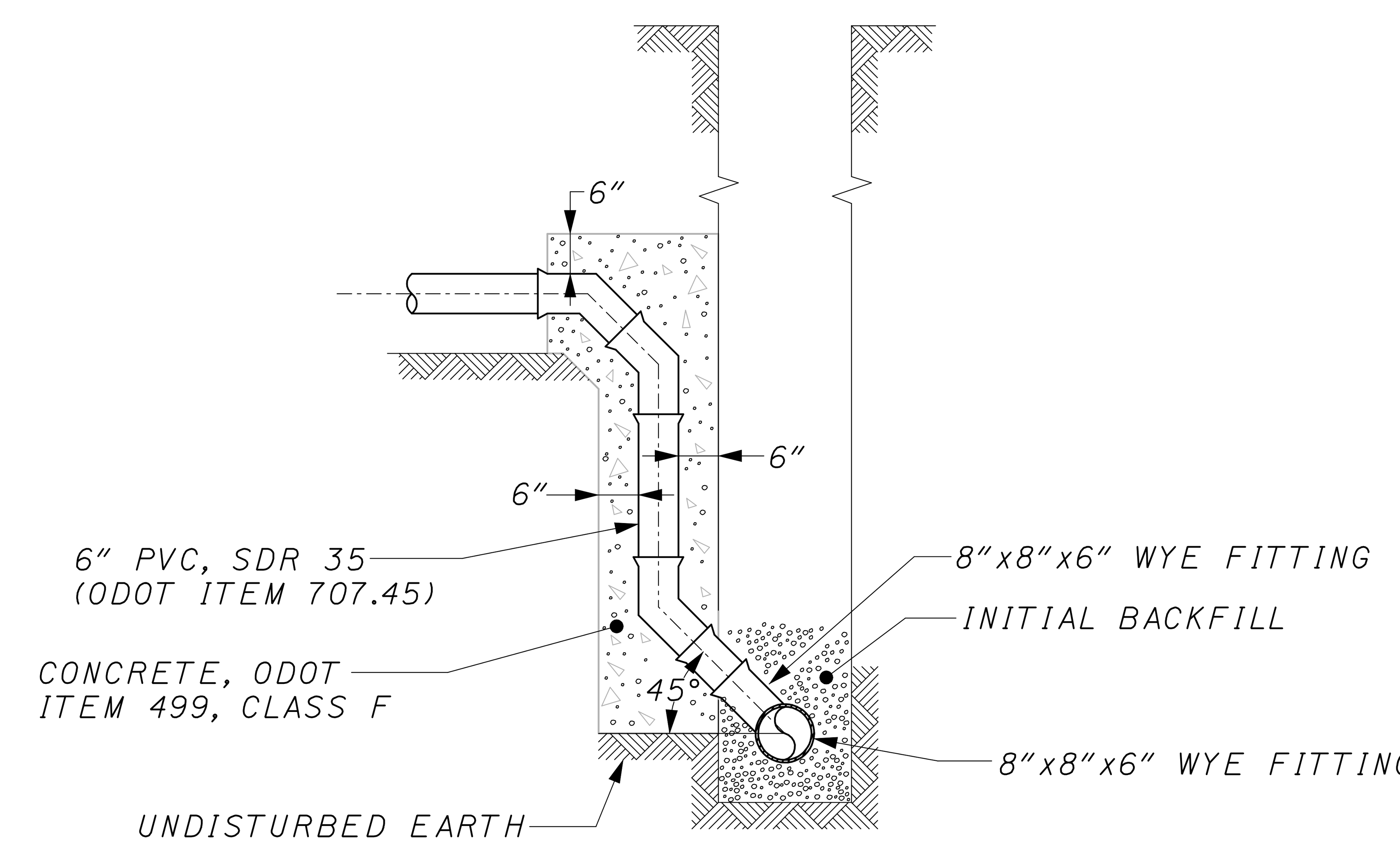
SANITARY SEWER LATERAL PLAN

NO SCALE



SANITARY SEWER LATERAL SECTION

NO SCALE



STACK SERVICE LATERAL DETAIL

NO SCALE

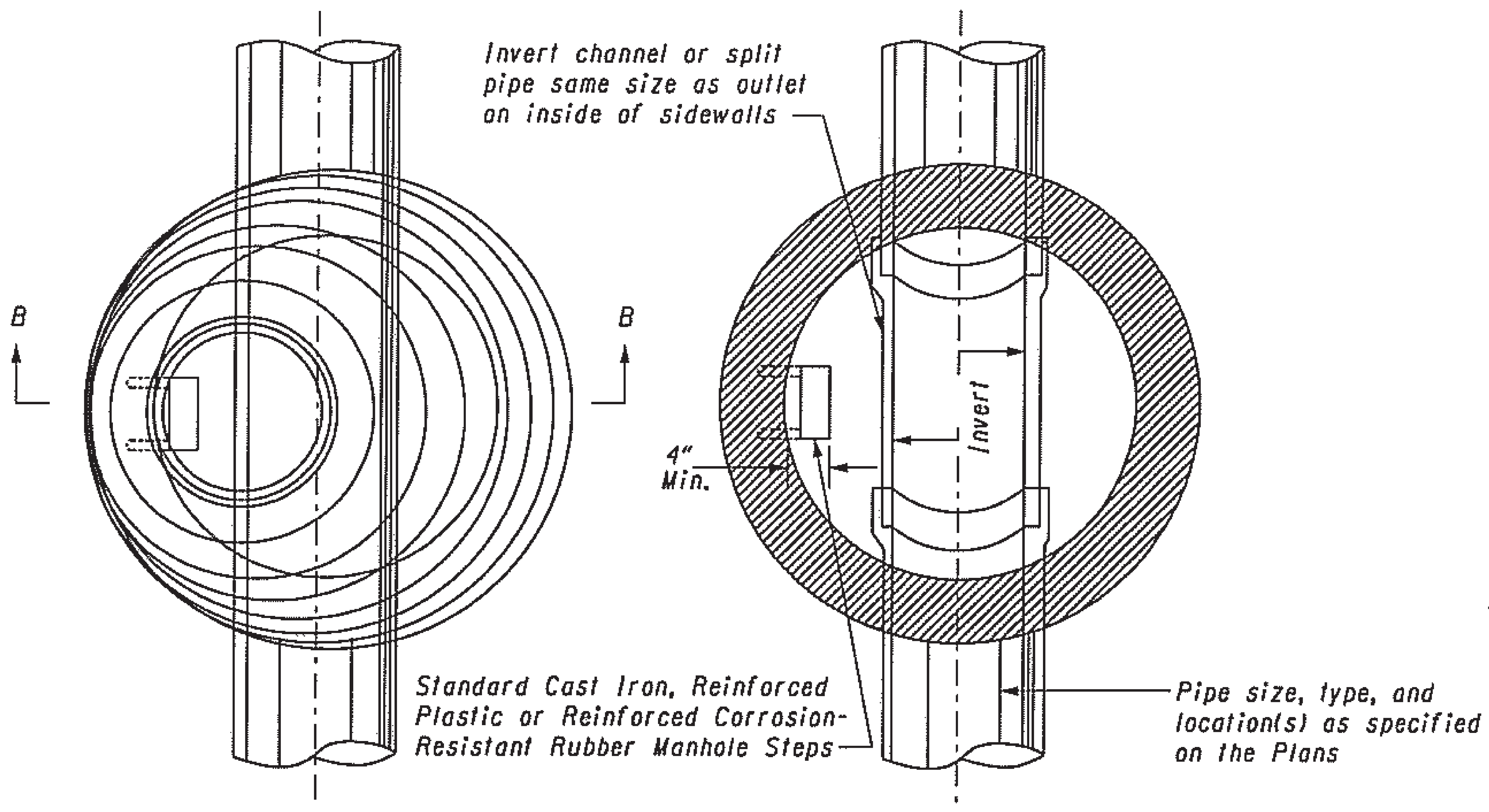
0 10 20 40 HORIZONTAL SCALE IN FEET

CALCULATED JAP CHECKED JAP

SANITARY SEWER SYSTEM DETAILS

MEG-33-15.70

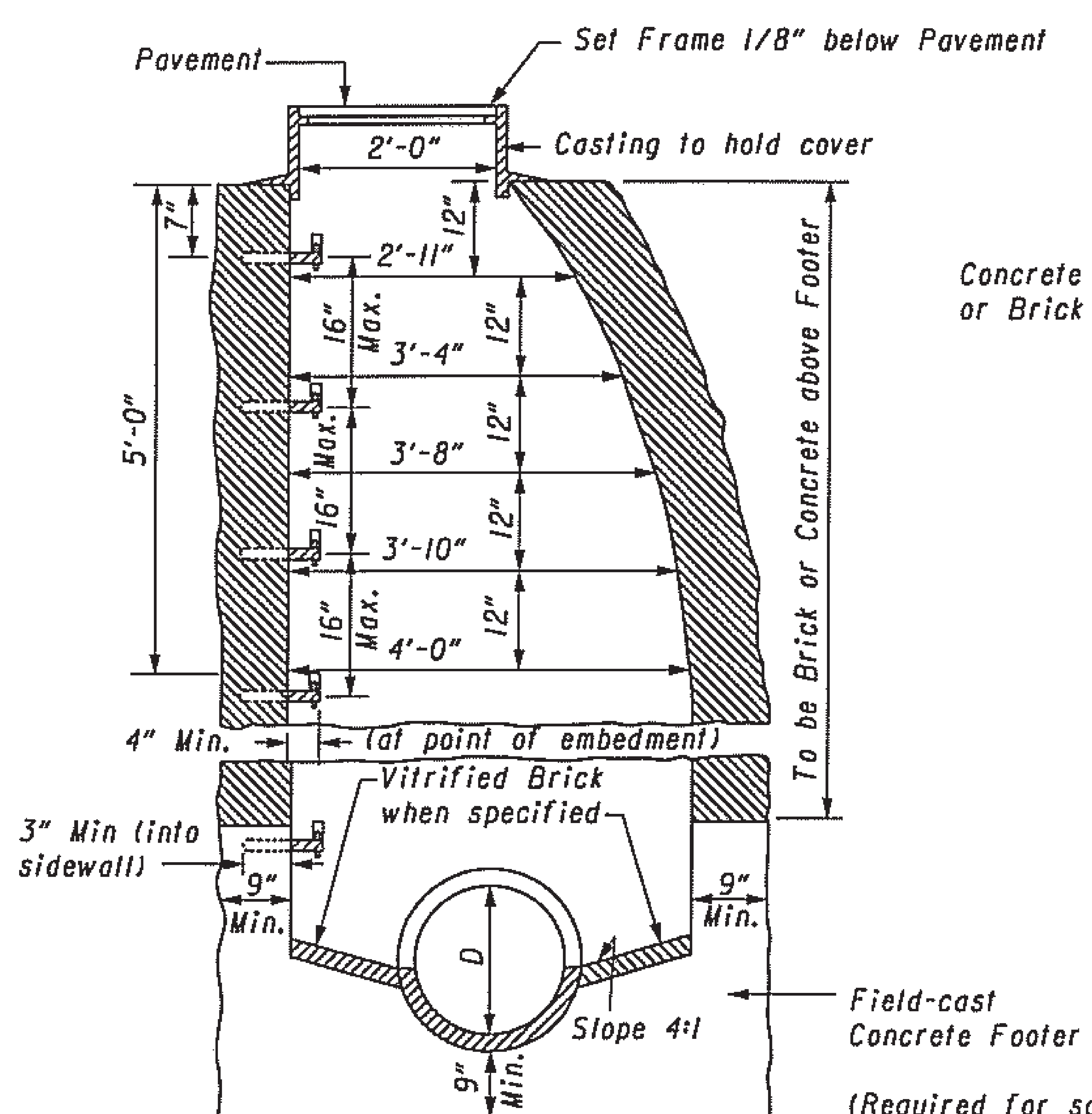
255
582



Complete Structure

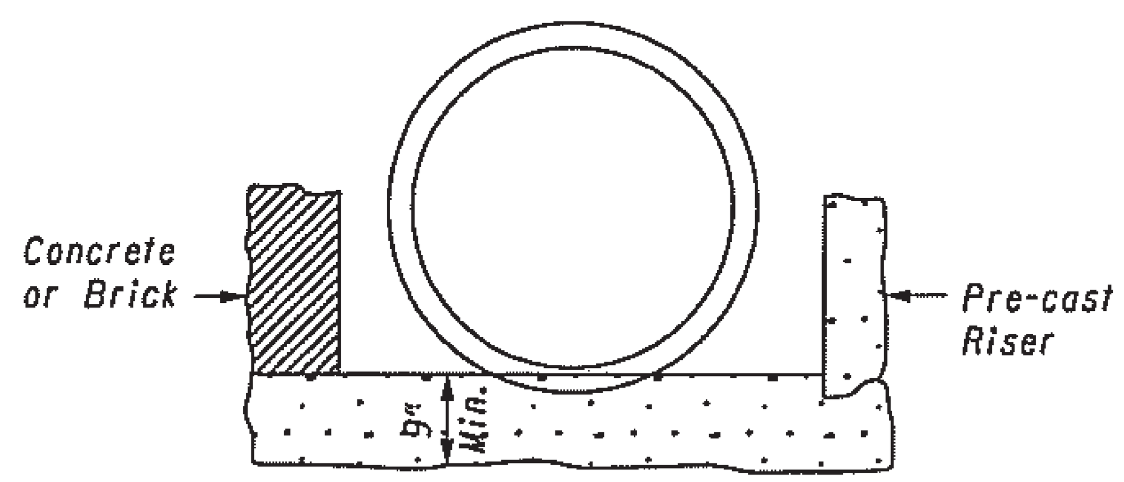
Section Through Footer

PLAN VIEWS



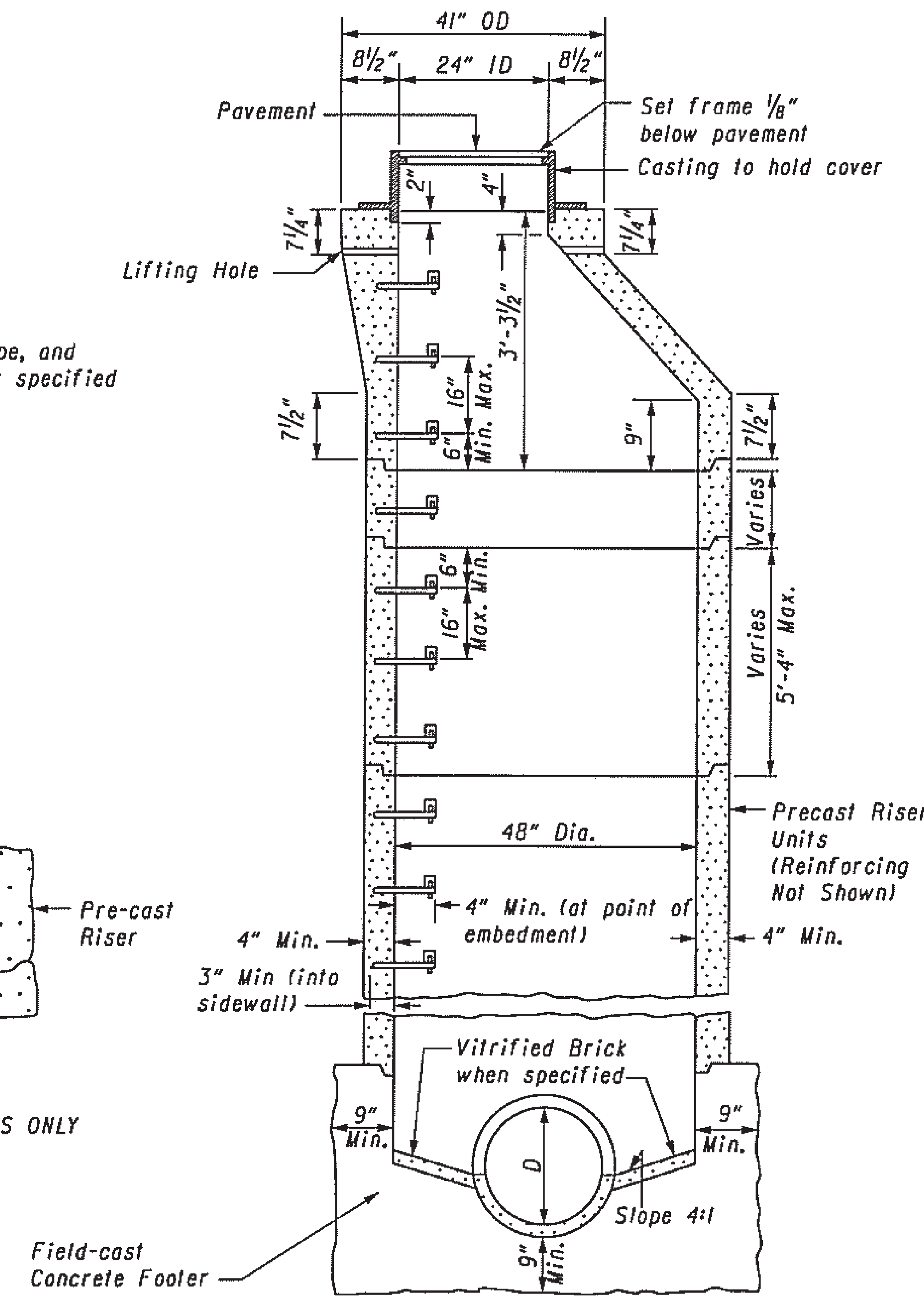
Section B-B

CAST-IN-PLACE OPTION



CONCRETE BASE

FOR USE WITH STORM SEWERS ONLY
May Be Precast



Section B-B

PRE-CAST

NOTES

Type A Manholes, when specified on the Plans, may be constructed in either method (cast-in-place or pre-cast option) as shown herein.

Steps, frames, and covers shall be as shown on Standard Sheet DR7-X (WVDOH).

"Keyed" or "doweled" type construction joints, acceptable to the Engineer, may be used in the construction of concrete manholes.

If the cast-in-place manhole is over twelve feet (12') in depth, the sidewalls below that depth will be double thickness.

Pipe at elevations other than shown may be joined to the manhole by cutting a hole the size of the connecting pipe in the manhole, inserting the pipe the thickness of the manhole shell and closing all openings around the connecting pipe with joint mortar.

Drawing shows pipe entering and leaving manhole in a straight line. However, the pipes may enter or leave at an angle or place as called for or shown on the Plans.

Minimum height of bench wall above flowline of pipe is 25% of the diameter of the pipes.

The use of brick for manhole construction will not be allowed when a manhole is located in the roadway.

The following additional notes are applicable for pre-cast manholes:

Manhole steps shall be placed into plastic concrete wall during manufacture or mortared into holes after the concrete has set.

Sidewall sections may be used in any combination to produce a manhole of desired depth, except the tapered top section shall be retained as shown.

The tapered top section shall be manufactured and meet the same requirements as the manhole's sidewalls, but shall conform to the dimensions detailed herein.

Lifting holes in the tapered top section and the circumferential notches in the manhole cover are for handling purposes only.

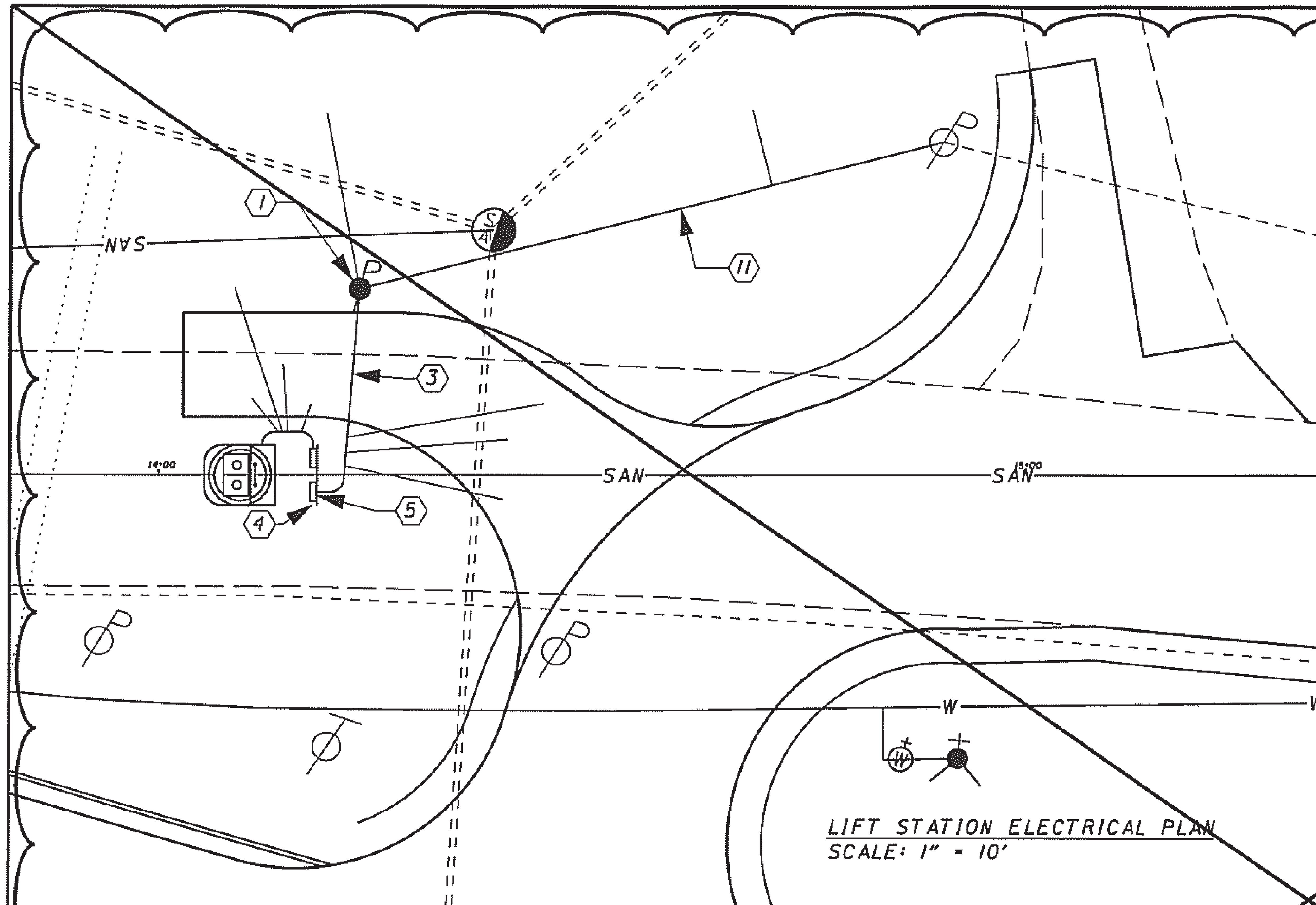
The pre-cast sidewall units shall be set in joint mortar or sealed with O-ring gaskets, except sanitary sewer manhole joints shall be sealed with O-ring gaskets conforming to ASTM-C443.

For sanitary sewers, all pipe penetrations through the manhole structure shall be water tight.

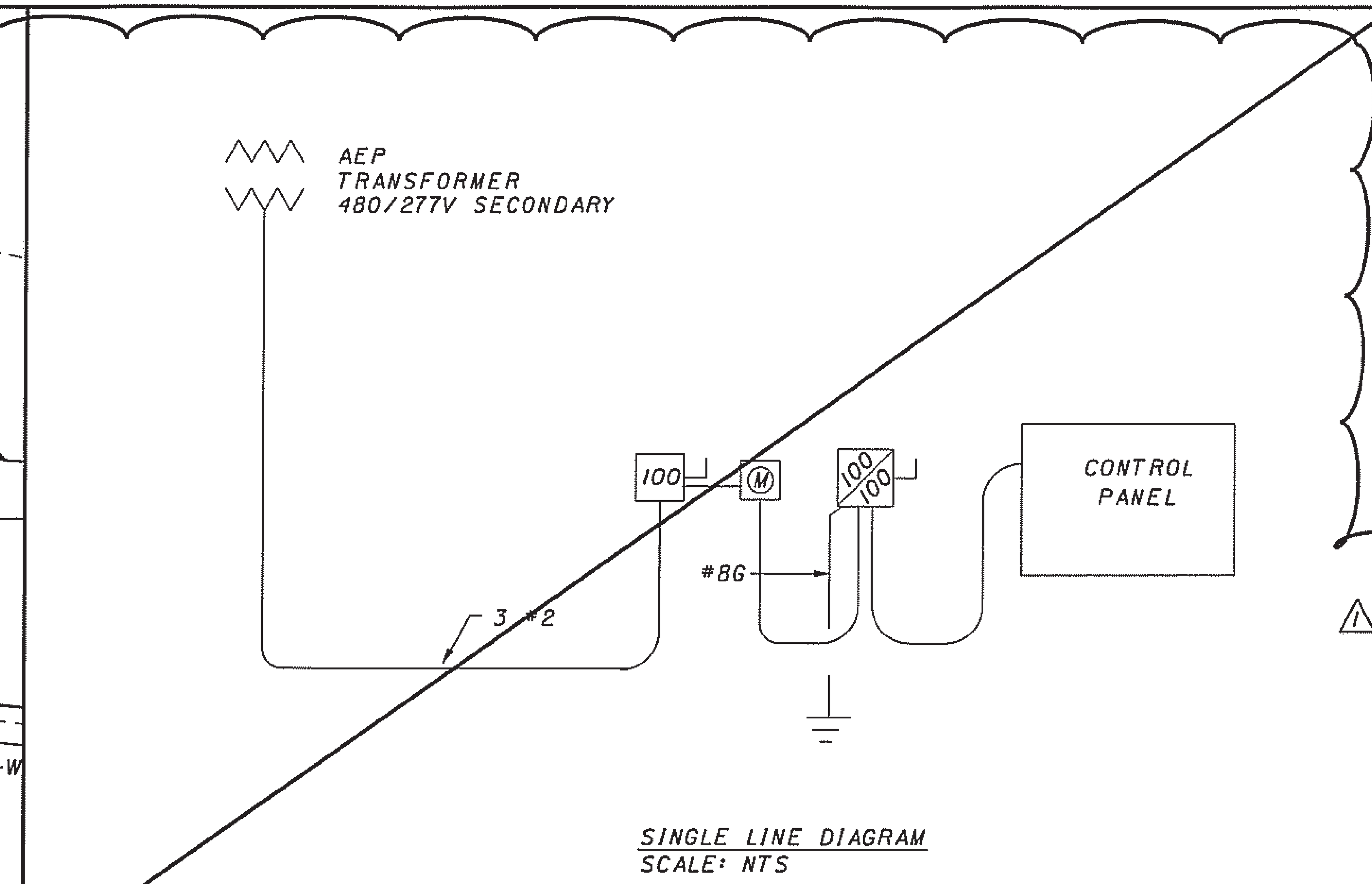
CALCULATED JAP CHECKED AM

MISC. DETAILS - ITEM SPECIAL, TYPE A MANHOLE (WVDOH), AS PER PLAN

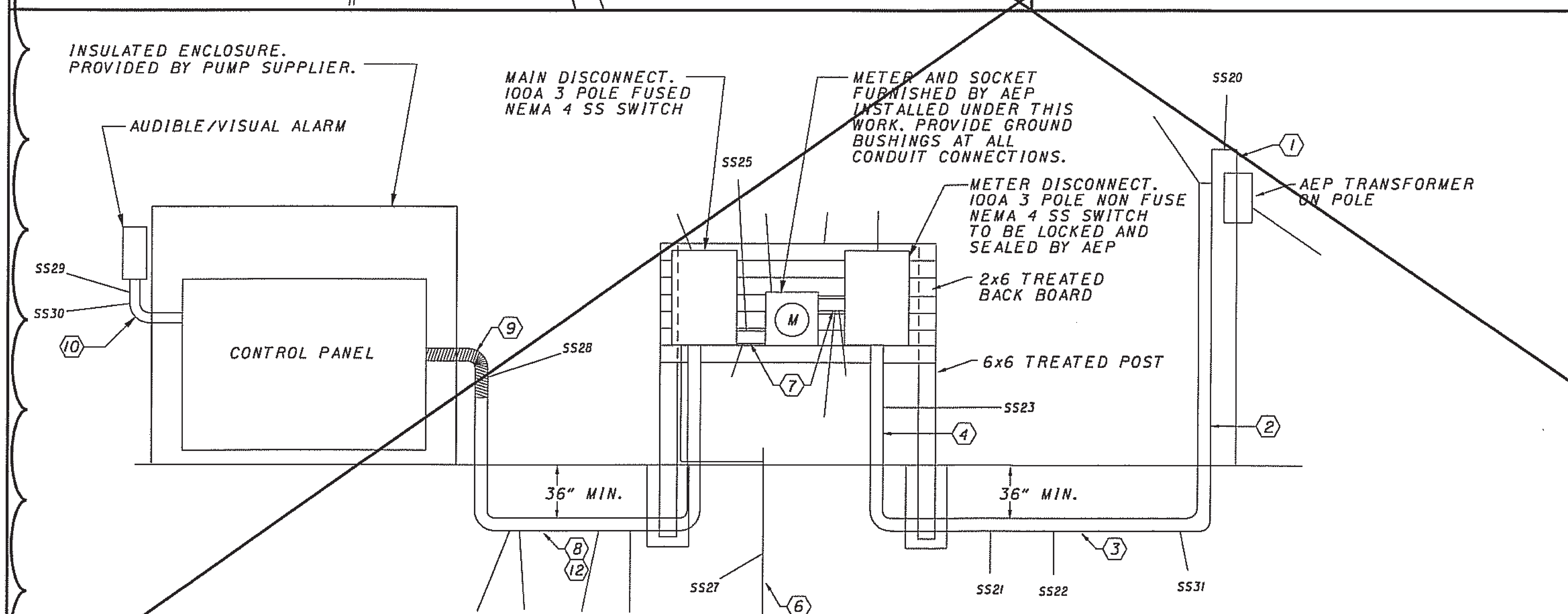
MEG-33-15.70



LIFT STATION ELECTRICAL PLAN
SCALE: 1" = 10'



SINGLE LINE DIAGRAM
SCALE: NTS



ELECTRICAL SERVICE DIAGRAM
SCALE: NTS

SS** FOR QUANTITIES SEE SHEET NO. 258

⬡ DRAWING NOTES

1. NEW POLE AND TRANSFORMER BY AEP.
2. POLE SHIELD BY AEP. ALLOW ENOUGH EXCESS WIRE TO RUN UP POLE TO TRANSFORMER BY AEP.
3. 3 #2 - 2" PVC UNDERGROUND FROM POLE TO METER BOARD.
4. CHANGE TO GALVANIZED STEEL CONDUIT ABOVE GRADE.
5. METER BOARD LOCATION.
6. 1" X 10' COPPER GROUND ROD FOR SERVICE GROUND.
7. 3 #2 - 2" GALVANIZED CONDUIT.
8. 3 #2, #8 G - 2" GALVANIZED CONDUIT.
9. PVC COVERED FLEXIBLE CONDUIT CONNECTION TO CONTROL PANEL.
10. 2 #12, #12G - ¾" CONDUIT TO REMOTE AUDIBLE AND VISUAL ALARM.
11. OVERHEAD POWER LINE BY AEP.
12. GALVANIZED CONDUIT THAT IS BURIED SHALL BE PAINTED WITH BITUMASTIC PAINT.

NUMBER	REVISION	DATE	BY
1	FORCE MAIN REVISION	2/06	DW

HORIZONTAL SCALE IN FEET 0

CALCULATED RET
CHECKED JAP

SANITARY ELECTRICAL

MEG-33-15.70

NUMBER	REVISION	DATE	BY
1	FORCE MAIN REVISION	2706	DW

REF NO.	SHEET NO.	STATION TO STATION	NO. 2 AWG 600 VOLT DISTRIBUTION CABLE	NO. 8 AWG 600 VOLT DISTRIBUTION CABLE	NO. 12 AWG POLE AND BRACKET CABLE	CONDUIT, 3/4", 713.04	CONDUIT, 2", 713.04, AS PER PLAN	CONDUIT, 2", 713.07	CONDUIT, AS PER PLAN	TRENCH	GROUND ROD	POWER SERVICE
			LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	EACH	EACH
SS20	SS20	14+09.42, CL TO 14+90.50, 38.62' LT.										1
SS21	SS21	14+18.33, 2.0' RT. TO 14+23.13, 21.5' LT.						33				
SS22	SS22	14+18.33, 2.0' RT. TO 14+23.13, 21.5' LT.	230									
SS23	SS23	14+18.33, 2.0' RT.					5					
SS24	SS24	14+09.42 TO 14+18.33					22					
SS25	SS25	14+09.42 TO 14+18.33	108									
SS26	SS26	14+09.42 TO 14+18.33		32								
SS27	SS27	14+18.33, 2.0' RT.									1	
SS28	SS28	14+09.42, 3.0' LT.							5			
SS29	SS29	14+09.42, 3.0' RT.				5						
SS30	SS30	14+09.42, 3.0' RT.			30							
SS31	SS31	14+09.42, CL TO 14+90.50, 38.62' LT.								27		
SS32	SS32	14+09.42 TO 14+18.33								12		
TOTALS CARRIED TO SANITARY SUBSUMMARY SHEET NO. 104			338	32	30	5	27	33	5	39	1	1

CALCULATED RET
CHECKED JAP

ESTIMATED QUANTITIES SANITARY ELECTRICAL

MEG-33-15.70

DEPTH OF COVER FOR WATER MAINS

ALL WATER MAINS SHALL BE INSTALLED WITH A MINIMUM COVER OF 48" OVER THE TOP OF THE PIPES. THIS DOES NOT MEAN ALL WATER MAINS SHALL BE INSTALLED AT THE MINIMUM DEPTH. THE PROFILES FOR THE PIPING SYSTEMS SHOW THE ACTUAL ELEVATIONS AT WHICH THESE LINES ARE TO BE INSTALLED. THE PROFILES PROVIDE THE MINIMUM REQUIRED COVER AND ALSO PROVIDE THE MINIMUM CLEARANCES BETWEEN OTHER UTILITIES.

EXISTING UTILITY SERVICES

THE CONTRACTOR IS FULLY RESPONSIBLE FOR LOCATING, MAINTAINING, REPARING AND RECONNECTING ALL UTILITY SERVICES FROM PRIVATE RESIDENTIAL HOUSES OR BUISNESSES FOR GAS, WATER, TELEPHONE, ELECTRIC, CABLE, SEWER, ETC. COORDINATION WITH EACH UTILITY AND/OR SERVICE CUSTOMER IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

TEMPORARY WATER MAIN (OHIO)

THE TEMPORARY WATER MAIN SHALL BE CONSTRUCTED AND PLACED INTO SERVICE TO PERMIT THE EARLIEST POSSIBLE ABANDONMENT OF THE EXISTING WATER LINES ALONG EXISTING MAIN STREET AND RAILROAD STREET. ONCE THE PERMANENT WATER MAIN IS ABLE TO BE CONSTRUCTED AND PLACED INTO OPERATION (BETWEEN THE TEMPORARY WATER MAIN CONNECTION POINTS) THE TEMPORARY WATER MAIN SHALL BE DRAINED AND ABANDONED. THE TEMPORARY WATER MAIN SHALL BE DISCONNECTED FROM THE PERMANENT WATER MAIN WHEN ABANDONED, AND THE PERMANENT WATER MAIN SHALL BE PROPERLY CAPPED AND RESTRAINED FOR THRUST FORCES AT THOSE CONNECTION LOCATIONS. REFER TO MAINTENANCE OF TRAFFIC SEQUENCE OF CONSTRUCTION GENERAL NOTES FOR ADDITIONAL INFORMATION. FOR MATERIAL SPECIFICATIONS, REFER TO WATER MAIN SYSTEM (OHIO & WEST VIRGINIA) NOTE ON SHEET 259. THE TEMPORARY WATER MAIN SYSTEM, MATERIALS AND SPECIFICATIONS, SHALL BE IDENTICAL TO THE PERMANENT WATER MAIN SYSTEMS.

WATER MAIN SYSTEM (OHIO & WEST VIRGINIA)

IN BOTH OHIO AND WEST VIRGINIA, THE WATER MAINS, INCLUDING TEMPORARY WATER MAIN, SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE WITH PUSH-ON BOLTLESS-RESTRAINED JOINTS AND FITTINGS IN ACCORDANCE WITH ANSI/AWWA-C111/A21.11 ANSI/AWWA-C151/A21/51. ALL PIPE JOINTS ON THE SYSTEMS SHALL BE RESTRAINED. IN OHIO, PVC AWWA C900 PIPE MAY BE SUBSTITUTED.

COORDINATION OF EXISTING WATER SERVICES

DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN WATER SERVICE TO ALL EXISTING HOMES AND BUSINESSES THAT REMAIN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THIS WORK. NO SERVICES SHALL BE DISRUPTED WITHOUT PRIOR APPROVAL FROM THE ENGINEER AND NOT WITHOUT 48 HOUR PRIOR NOTICE TO THE ENGINEER, UTILITY OWNER AND THOSE WHO WILL BE AFFECTED BY THE TEMPORARY LOSS OF SERVICE AND NOT BEFORE PRIOR APPROVAL OF THE ENGINEER. WATER SERVICE DISRUPTIONS SHALL BE LIMITED TO A PERIOD OF TIME THAT IS NO LONGER THAN 8 HOURS TOTAL, FOR ANY 48 HOUR CONTINUOUS SPAN OF TIME. CONTRACTOR SHALL COORDINATE THE WORK IN SUCH A MANNER TO MINIMIZE THE NUMBER OF SERVICE DISRUTIONS. ALL VALVES ON THE EXISTING WATER LINES SHALL BE OPERATED BY THE OWNER OF THE WATER UTILTITY. FOR WATER UTILITY OWNER IN OHIO, CONTACT MR. JOHN ANDERSON, VILLAGE ADMINISTRATOR, VILLAGE OF POMEROY, OHIO AT PHONE NUMBER 740-992-2166. FOR WATER UTILITY OWNER IN WEST VIRGINIA, CONTACT MR. BRIAN CUNDIFF, WATER SUPERVISOR, CITY OF MASON, WEST VIRGINIA AT PHONE NUMBER 304-773-5200. EXISTING WATER PRESSURES ARE APPROXIMATELY 85 PSI.

WEST VIRGINIA WATER WORK COORDINATION

PRIOR TO THE INSTALLATION OF THE PROPOSED SANITARY SEWERS, THE PROPOSED 10" WATER MAINS SHALL BE INSTALLED, INCLUDING THE ABANDONMENT OR REMOVAL OF ALL EXISTING WATER MAINS OR WATER SERVICE LATERALS DESIGNATED AS SUCH IN THE PLANS. THIS WILL REDUCE THE REQUIREMENT TO TEMPORARILY RELOCATE EXISTING WATER MAINS OR SERVICES TO INSTALL THE SANITARY SEWERS.

CLEARANCE BETWEEN UTILITIES

THERE SHALL BE A MINIMUM HORIZONTAL CLEARANCE OF 10'-0" BETWEEN THE EXTERIOR EDGES OF THE WATER AND SANITARY AND STORM PIPES.

THERE SHALL BE A MINIMUM VERTICAL CLEARANCE OF 1'-6" BETWEEN THE EXTERIOR EDGES OF THE WATER AND SANITARY AND STORM PIPES. WHEN CROSSING PERPENDICULAR. THE WATER PIPING SHALL BE LOCATED ABOVE THE SANITARY AND STORM PIPES WHEN THEY CROSS UNLESS COVERDEPTH CANNOT BE MAINTAINED.

~~THE WATER PIPING SHALL ALSO MAINTAIN A MINIMUM VERTICAL CLEARANCE 1'-6" BETWEEN STORM PIPES WHERE THEY CROSS WITH THE WATER PIPING LOCATED ABOVE THE STORM PIPES.~~

VALVE BOXES - WEST VIRGINIA

VALVE BOXES SHALL BE CAST IRON, ADJUSTABLE TWO OR THREE PIECE WITH COVER AND WITH A BASE CORRESPONDING TO THE SIZE OF THE VALVE. HEAVY DUTY TYPE SHALL BE USED WHEN LOCATED WITHIN EXISTING OR PROPOSED PAVEMENT, DRIVEWAY OR OTHER TRAVELED AREAS. THE BOX SHALL BE COATED WITH AN ASPHALTIC COATING BY THE MANUFACTURER. THE COVER SHALL HAVE THE WORK "WATER" CAST IN IT.

WATER MAIN TESTING PRESSURE - WEST VIRGINIA

TESTING PRESSURE SHALL BE 150% OF THE STATIC OPERATING PRESSURE BUT NOT LESS THAN A MINIMUM 150 PSI, WHICHEVER IS GREATER.

EXISTING UTILITY MARKING

THE CONTRACTOR SHALL HAVE ALL EXISTING UTILITIES MARKED WITHIN THE PROJECT LIMITS PRIOR TO DIGGING.

FIRE HYDRANT REMOVED

CONTRACTOR SHALL CONTACT THE VILLAGE OF POMEROY PRIOR TO REMOVING EXISTING FIRE HYDRANTS. CONTRACTOR SHALL PROVIDE THE VILLAGE WITH ALL REMOVED HYDRANTS AND PARTS.

NEW FIRE HYDRANTS - OHIO

THE VILLAGE OF POMEROY HAS A STANDARD FIRE HYDRANT BASED ON THE MANUFACTURER AMERICAN-DARLING B-84-B, 5-1/4", WITH TRAFFIC BREAK-AWAY. COORDINATE WITH THE VILLAGE FOR THE ACTUAL FIRE HYDRANT MODEL TO BE PROVIDED.

NEW FIRE HYDRANTS - WEST VIRGINIA

THE VILLAGE OF MASON FIRE HYDRANT PROVIDED SHALL BE COORDINATED WITH THE VILLAGE. IT SHALL HAVE A 6" STEAMER CONNECTION AND TWO 2-1/4" SIDE CONNECTIONS. SHALL HAVE NATIONAL STANDARD THREADS AND COMPLY WITH AWWA C 502.

CORRELATION BETWEEN OHIO AND WEST VIRGINIA SPECIFICATIONS AND DETAILS

ITEMS WHICH ARE DESIGNATED AS BOTH "ITEM SPECIAL" AND "(WVDOH)", AS WELL AS DETAILED DRAWINGS SIMILARLY REFERENCED, ARE ALL GOVERNED BY WEST VIRGINIA DEPARTMENT OF TRANSPORTATION PUBLICATIONS AS FOLLOWS:

WEST VIRGINIA DIVISION OF HIGHWAYS STANDARD SPECIFICATIONS - ROAD AND BRIDGES ADOPTED 2000. WEST VIRGINIA DIVISION OF HIGHWAYS SUPPLEMENTAL SPECIFICATIONS ISSUED JULY 1, 2001.

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS STANDARD DETAIL DRAWINGS.

SANITARY SEWER WORK IN WEST VIRGINIA SHALL COMPLY WITH WEST VIRGINIA DEPARTMENT OF TRANSPORTATION (WVDOH) SPECIFICATION "SECTION 670 - WATERLINE INSTALLATION", AND ALL RELATED REFERENCED WVDOH SPECIFICATIONS THEREIN.

WEST VIRGINIA WATER MAIN RECONNECTIONS TO EXISTING SERVICES OR BRANCHES

THE RECONNECTION OF ALL EXISTING WATER SERVICES OR BRANCHES THAT ARE DESIGNATED ON THE PLANS TO BE MAINTAINED, SHALL BE CONSIDERED INCIDENTAL TO THE UNIT PRICE FOR THE WATER MAIN BEING CONNECTED. THEREFORE, ALL COSTS ASSOCIATED WITH RECONNECTIONS, INCLUDING ALL MATERIALS, EQUIPMENT AND LABOR, SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WATER MAINS.

TRENCH RESTORATION

FOR TRENCH RESTORATION DETAILS REFER TO SHEET 275.

EXISTING UTILITIES

ALTHOUGH A CONCERTED ATTEMPT TO LOCATE THE UNDERGROUND UTILITIES ON THE PROJECT WAS UNDERTAKEN, THE ACTUAL LOCATIONS MAY VARY FROM WHAT IS SHOWN ON THE PLANS. THEREFORE, THE CONTRACTOR SHALL VERIFY LOCATIONS OF THE EXISTING UTILITIES PRIOR TO THE EXECUTION OF THE PROPOSED WORK.

AIR/VACUUM RELEASE VALVES

AIR/VACUUM RELEASE VALVES ARE SHOWN AND SPECIFIED AT APPROXIMATE LOCATIONS IN THE WATER MAIN PIPE. THE CONTRACTOR SHALL DEPRESS THE PIPE TO PROVIDE A MINIMUM OF 48" COVER OVER THE WATER MAIN AT THE POINT OF VALVE INSTALLATION AND INSTALL THE VALVE AT OR NEAR THE TRUE HIGHEST POINT IN THE PIPE AS LAID.

NUMBER	REVISION	DATE	BY
1	WATER MAIN REVISION	2/06	DW

CALCULATED JAP
CHECKED AM

WATER WORK GENERAL NOTES

MEG-33-15.70

262A	263A	264A	265A	266A	267	268	269	270	271	272	273	274	POMEROY	MASON	UNINCORP. WV	ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
	135												135			638	98600	135	LIN FT	WATER WORK, MISC.: 6" WATER MAIN DUCTILE IRON PIPE ANSI CLASS 53 OR AWWA C-900, BOLTLESS-RESTRAINED JOINTS AND FITTINGS	
177	400	400	400	416									1793			638	98600	1793	LIN FT	WATER WORK, MISC.: 8" WATER MAIN DUCTILE IRON PIPE ANSI CLASS 53 OR AWWA C-900, BOLTLESS-RESTRAINED JOINTS AND FITTINGS	
	120												120			638	98600	120	LIN FT	WATER WORK, MISC.: 2" WATER MAIN SDR 21 PIPE & FITTINGS SOLVENT WELDED	
	1												1			638	11310	1	EACH	2" AIR RELEASE VALVE	
	2												2			638	07800	2	EACH	6" GATE VALVE AND VALVE BOX	
																638	07900		EACH	8" GATE VALVE AND VALVE BOX	
1													1			638	10800	1	EACH	VALVE BOX ADJUSTED TO GRADE	
	1												1			638	10201	1	EACH	6" FIRE HYDRANT, AS PER PLAN	259
1								1					1			638	10481	1	EACH	FIRE HYDRANT REMOVED, AS PER PLAN	259
									1		1			2		SPECIAL	69098000	2	EACH	MISC.: RELOCATE METER (WVDOH)	259
									1		1			2		SPECIAL	69098000	2	EACH	MISC.: RELOCATE METER BOX (WVDOH)	259
										1		1		2		SPECIAL	69098000	2	EACH	MISC.: 6" FIRE HYDRANT (WVDOH)	259
									2					1	1	SPECIAL	69098000	2	EACH	MISC.: 4" GATE VALVE AND VALVE BOX (WVDOH)	259
									1	1		1		3		SPECIAL	69098000	3	EACH	MISC.: 6" GATE VALVE AND VALVE BOX (WVDOH)	259
										1	1	1		3		SPECIAL	69098000	3	EACH	MISC.: 10" GATE VALVE AND VALVE BOX (WVDOH)	259
												13		13		SPECIAL	69098100	13	LIN FT	MISC.: 2" COPPER SERVICE PIPE (WVDOH)	259
										9		8		17		SPECIAL	69098100	17	LIN FT	MISC.: 6" DUCTILE IRON PIPE, TYPE I, CLASS 53 (WVDOH)	259
									389	360	360	161		1245	25	SPECIAL	69098100	1270	LIN FT	MISC.: 10" DUCTILE IRON PIPE, TYPE I, CLASS 53 (WVDOH)	259
									13					13		SPECIAL	69098100	13	LIN FT	MISC.: ¾" HOUSE CONNECTION (WVDOH)	259

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	8/05	BCR
2	WATER MAIN REVISION	2/06	DW

CALCULATED BCR CHECKED KAS

WATER WORK GENERAL SUMMARY

MEG-33-15.70

SHEET NUMBER													PARTICIPATION			ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
262A	263A	264A	265A	266A	267	268	269	270	271	272	273	274	POMEROY	MASON	UNINCORP. WV						
	135												135			638	98600	135	LIN FT	WATER WORK, MISC.: 6" WATER MAIN DUCTILE IRON PIPE ANSI CLASS 53 OR AWWA C-900, BOLTLESS-RESTRAINED JOINTS AND FITTINGS	
177	400	400	400	416									1793			638	98600	1793	LIN FT	WATER WORK, MISC.: 8" WATER MAIN DUCTILE IRON PIPE ANSI CLASS 53 OR AWWA C-900, BOLTLESS-RESTRAINED JOINTS AND FITTINGS	
	120												120			638	98600	120	LIN FT	WATER WORK, MISC.: 2" WATER MAIN SDR 21 PIPE & FITTINGS SOLVENT WELDED	
	1												1			638	11310	1	EACH	2" AIR RELEASE VALVE	
	2												2			638	07800	2	EACH	6" GATE VALVE AND VALVE BOX	
																638	07900		EACH	8" GATE VALVE AND VALVE BOX	
1													1			638	10800	1	EACH	VALVE BOX ADJUSTED TO GRADE	
	1												1			638	10201	1	EACH	6" FIRE HYDRANT, AS PER PLAN	259
1								1					1			638	10481	1	EACH	FIRE HYDRANT REMOVED, AS PER PLAN	259
									1		1			2		SPECIAL	69098000	2	EACH	MISC.: RELOCATE METER (WVDOH)	259
									1		1			2		SPECIAL	69098000	2	EACH	MISC.: RELOCATE METER BOX (WVDOH)	259
										1		1		2		SPECIAL	69098000	2	EACH	MISC.: 6" FIRE HYDRANT (WVDOH)	259
									2					1	1	SPECIAL	69098000	2	EACH	MISC.: 4" GATE VALVE AND VALVE BOX (WVDOH)	259
									1	1		1		3		SPECIAL	69098000	3	EACH	MISC.: 6" GATE VALVE AND VALVE BOX (WVDOH)	259
										1	1	1		3		SPECIAL	69098000	3	EACH	MISC.: 10" GATE VALVE AND VALVE BOX (WVDOH)	259
												13		13		SPECIAL	69098100	13	LIN FT	MISC.: 2" COPPER SERVICE PIPE (WVDOH)	259
										9		8		17		SPECIAL	69098100	17	LIN FT	MISC.: 6" DUCTILE IRON PIPE, TYPE I, CLASS 53 (WVDOH)	259
									389	360	360	161		1245	25	SPECIAL	69098100	1270	LIN FT	MISC.: 10" DUCTILE IRON PIPE, TYPE I, CLASS 53 (WVDOH)	259
									13					13		SPECIAL	69098100	13	LIN FT	MISC.: ¾" HOUSE CONNECTION (WVDOH)	259

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	8/05	BCR
2	WATER MAIN REVISION	2/06	DW

CALCULATED BCR CHECKED KAS

WATER WORK GENERAL SUMMARY

MEG-33-15.70

DESC. / STA.	X COORDINATE	Y COORDINATE	BEARING
Proposed 8" Water Main			
BEGIN 10+00.00	2098189.81	369083.89	N 58°49'05" W
P.I. 10+75.10	2098125.56	369122.77	N 2°25'53" W
P.I. 12+02.32	2098120.16	369249.88	N 0°18'20" E
P.I. 12+74.87	2098120.55	369322.42	N 5°36'48" E
P.I. 14+05.46	2098133.33	369452.37	N 8°18'06" E
P.I. 15+44.27	2098153.37	369589.74	N 42°54'31" W
P.I. 15+88.11	2098123.52	369621.86	N 3°02'25" E
P.I. 17+16.21	2098130.31	369749.78	N 4°42'07" W
P.C. 17+68.57	2098126.02	369801.95	CURVE I
P.I. 18+00.14	2098124.85	369833.50	S 89°32'38" E
P.I. 18+80.40	2098205.10	369832.85	N 19°00'16" E
P.I. 23+91.80	2098371.64	370316.38	N 53°51'19" E
P.I. 24+89.31	2098450.38	370373.90	N 24°53'42" W
P.I. 25+72.30	2098415.45	370449.17	N 18°49'59" E
P.I. 27+56.00	2098474.75	370623.04	N 12°14'27" E
P.I. 29+15.51	2098508.57	370778.93	

HORIZONTAL CONTROL - TRAVERSE POINTS			
POINT	X COORD.	Y COORD.	POINT DESCRIPTION
1	2098107.352	369601.078	Iron Pin Set, Gravel Drive #578
2	2098084.487	368891.117	P.K. Found - Aerial #400
6	2098366.191	370447.047	Iron Pin Set @ Rock
333	2098253.267	369874.975	Concrete Monument G33-3

CURVE I DATA
P.I. Sta = 17+84.36
D = 5°09'40"
Dc = 16°20'42"
R = 350.54'
T = 15.80'
L = 31.58'
E = 0.36'

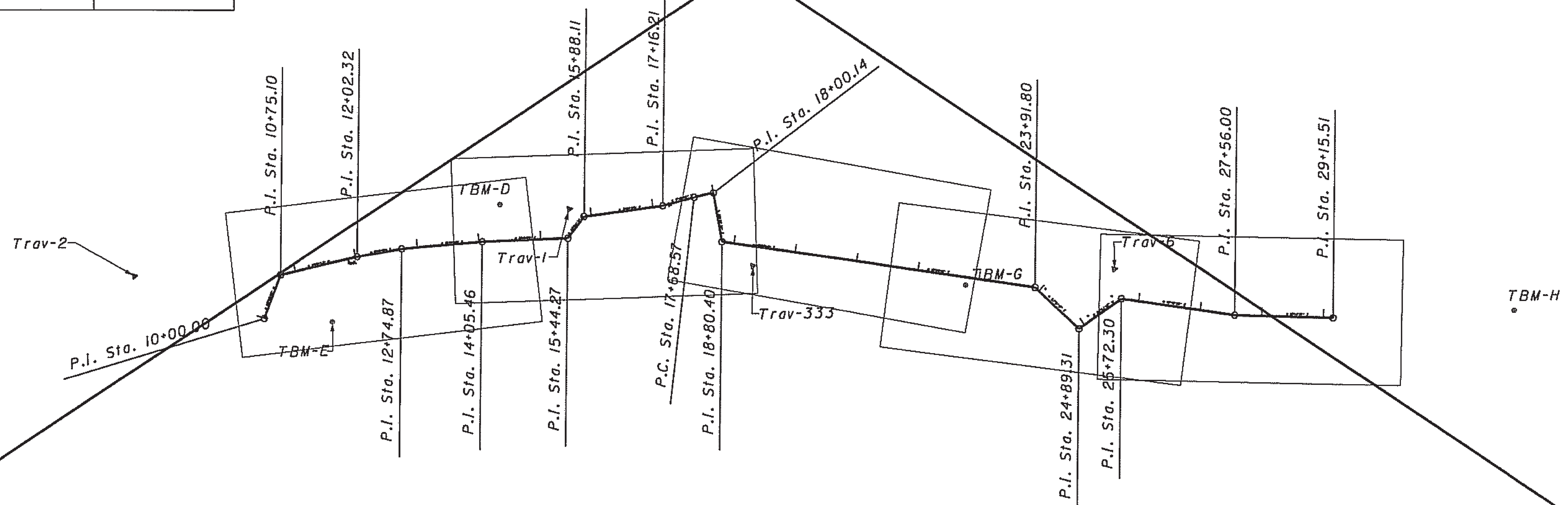
SOURCE OF BENCH - NGS
DESIGNATION 084 PID-JY0397
NAVD 88 ELEVATION = 570.91 FEET

TBM-D ELEV. 599.63
CUT SQUARE, TOP ROCK
OUTCROP 30' NORTH
N/E CORNER 2 STY FRAME
STA. 14+36.51 (WATER MAIN), 58.98' LT.

TBM-E ELEV. 568.90
CUT SQUARE, EAST SIDE OF VALVE
VAULT, SANITARY LIFT STATION
STA. 11+40.16 (WATER MAIN), 93.58' RT.

TBM-G ELEV. 576.245, CUT SQUARE
TOP OF STONE AND CONCRETE WALL
WEST SIDE OLD MAIN ST.
STA. 22+79.85 (WATER MAIN), 12.62' RT.

TBM-H, ELEV. 569.449, CUT SQUARE
TOP SOUTH END OF CONCRETE WALL
@ SW CORNER OF MARATHON STATION



NOTE: Coordinates shown on this plan are Project coordinates. Project coordinates are on an adjustment factor to yield surface measured distances. To convert from Project coordinates to State Plane NAD83(1995) Ohio, south zone coordinates, multiply by the average scale factor of 0.99992808I.

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	8/05	KAS
2	WATER MAIN REVISION	2/06	DW

0 50 100 200
HORIZONTAL SCALE IN FEET

CALCULATED BCR
CHECKED KAS

PROPOSED WATER WORK SCHEMATIC PLAN

MEG-33-15.70

DESC. / STA.	X COORDINATE	Y COORDINATE	BEARING
Proposed 8" Water Main			
BEGIN 2+23.37	2098175.44	369046.62	
P.I. 4+22.39	2098245.73	369232.82	N 20°40'46" E
P.I. 4+93.40	2098236.92	369303.28	N 7°07'11" W
P.I. 5+93.10	2098251.05	369346.74	N 18°00'17" E
P.I. 6+74.30	2098298.96	369473.17	N 20°45'11" E
P.I. 8+49.30	2098362.29	369636.30	N 21°13'00" E
P.I. 9+44.04	2098396.57	369724.62	N 21°13'00" E
P.I. 10+19.23	2098421.98	369795.38	N 19°45'13" E
P.I. 10+94.55	2098443.79	369867.48	N 16°49'30" E
P.I. 11+46.28	2098461.40	369916.12	N 19°54'16" E
P.I. 12+44.51	2098488.31	370010.60	N 15°54'08" E
P.I. 13+82.88	2098519.35	370145.43	N 12°57'50" E
P.I. 14+23.82	2098525.40	370185.93	N 8°29'09" E
P.I. 16+99.20	2098530.17	370461.27	N 0°59'36" E
P.I. 17+30.88	2098530.09	370492.95	N 0°08'13" W
P.I. 18+19.19	2098526.23	370581.17	N 2°30'20" W
P.I. 19+31.26	2098523.16	370693.20	N 1°34'26" W
P.I. 20+16.19	2098508.41	370776.84	N 10°00'03" W

HORIZONTAL CONTROL - TRAVERSE POINTS

POINT	X COORD.	Y COORD.	POINT DESCRIPTION
1	2098107.352	369601.078	Iron Pin Set, Gravel Drive #578
2	2098084.487	368891.117	P.K. Found - Aerial #400
6	2098366.191	370447.047	Iron Pin Set @ Rock
333	2098253.267	369874.975	Concrete Monument G33-3

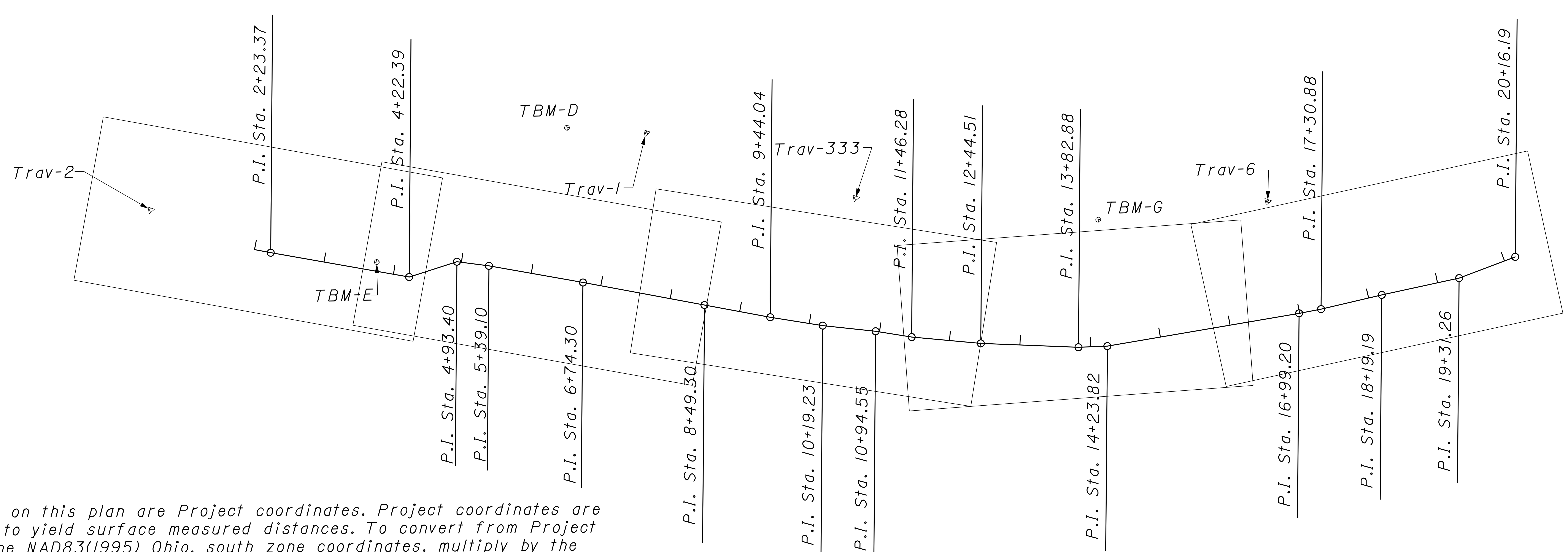
SOURCE OF BENCH - NGS
DESIGNATION Q84 PID-JY0397
NAVD 88 ELEVATION = 570.91 FEET

TBM-D ELEV. 599.63
CUT SQUARE, TOP ROCK
OUTCROP 30' NORTH
N/E CORNER 2 STY FRAME
STA. 14+36.51 (WATER MAIN), 58.98' LT.

TBM-E ELEV. 568.90
CUT SQUARE, EAST SIDE OF VALVE
VAULT, SANITARY LIFT STATION
STA. 11+40.16 (WATER MAIN), 93.58' RT.

TBM-G ELEV. 576.245, CUT SQUARE
TOP OF STONE AND CONCRETE WALL
WEST SIDE OLD MAIN ST.
STA. 22+79.85 (WATER MAIN), 12.62' RT.

TBM-H, ELEV. 569.449, CUT SQUARE
TOP SOUTH END OF CONCRETE WALL
@ SW CORNER OF MARATHON STATION



NOTE: Coordinates shown on this plan are Project coordinates. Project coordinates are on an adjustment factor to yield surface measured distances. To convert from Project coordinates to State Plane NAD83(1995) Ohio, south zone coordinates, multiply by the average scale factor of 0.99992808l.

NUMBER	REVISION	DATE	BY
1	WATER MAIN REVISION	2/06	DW

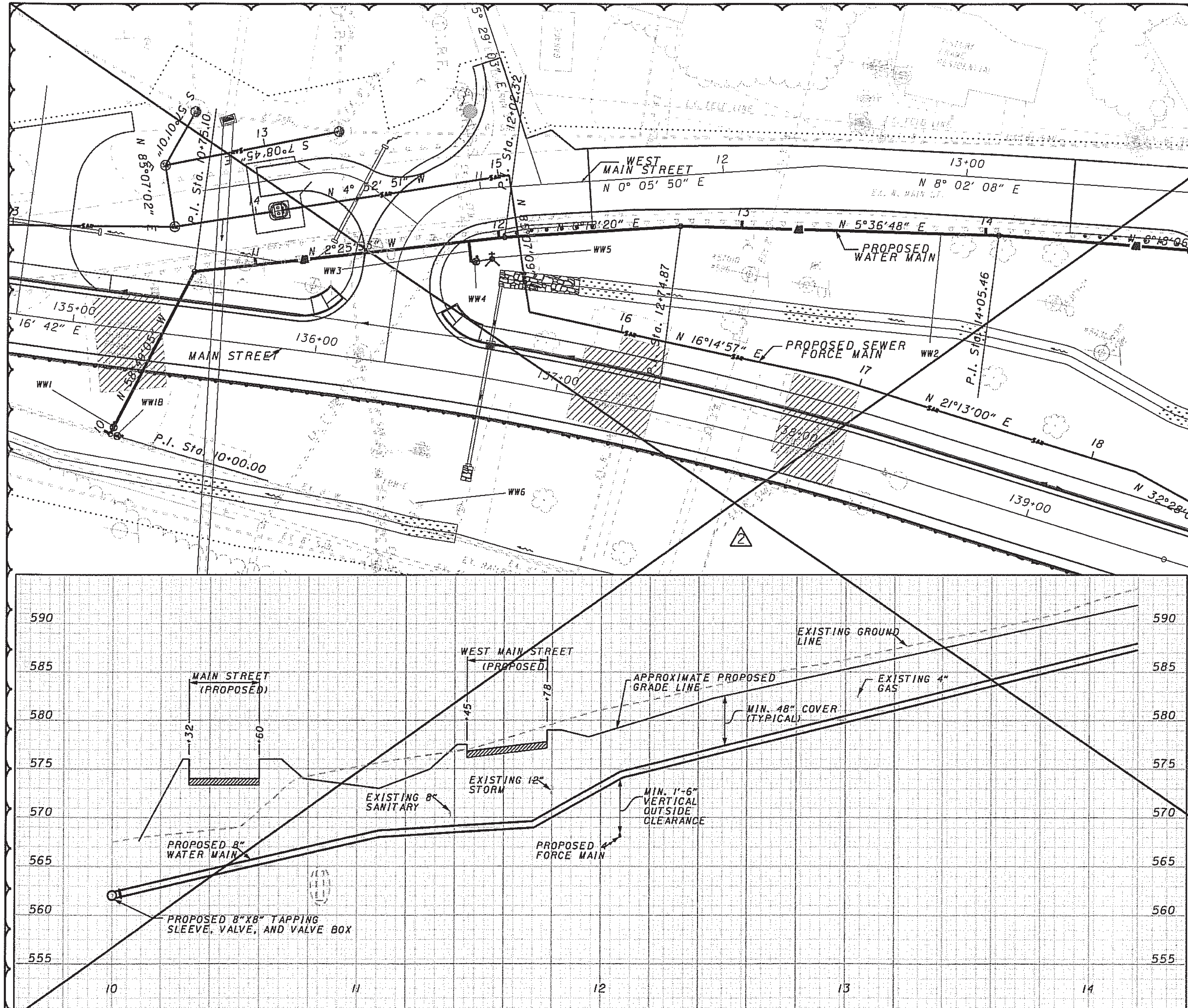
0 50 100 200
HORIZONTAL SCALE IN FEET

CALCULATED DW
CHECKED SJ

PROPOSED WATER WORK SCHEMATIC PLAN

MEG-33-15.70

261A
582



REF NO.	STATION FROM	STATION TO	SIDE	6" WATER MAIN D.I. PIPE ANSI CL. 53, BOLTLESS-RESTRAINED JTS. & FITTINGS	8" WATER MAIN D.I. PIPE ANSI CL. 53, BOLTLESS-RESTRAINED JTS. & FITTINGS	6" GATE VALVE AND VALVE BOX	8" X8" TAPPING SLEEVE, VALVE AND VALVE BOX	6" FIRE HYDRANT, AS PER PLAN	FIRE HYDRANT REMOVED, AS PER PLAN	8" INSERTING VALVE AND VALVE BOX
				LIN FT	LIN FT	EACH	EACH	EACH	EACH	EACH
WW1	10+00	10+03	CL				1			
WW1B	10+00	10+00	R							1
WW2	10+00	14+00.00	CL		400					
WW3	11+87.66	11+96.25	R	15						
WW4	11+89.65	11+89.65	R			1				
WW5	11+96.25	11+96.25	R					1		
WW6	11+54.64	11+54.64	R						1	
TOTALS CARRIED TO WATER WORK GENERAL SUMMARY				15	400	1	1	1	1	1

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	8/05	KAS
2	WATER MAIN REVISION	2/06	DW

CALCULATED BCR
CHECKED KAS

0 10 20 40
HORIZONTAL SCALE IN FEET

N

WATER WORK PLAN AND PROFILE
STA 10+00 TO STA 14+00

MEG-33-15.70

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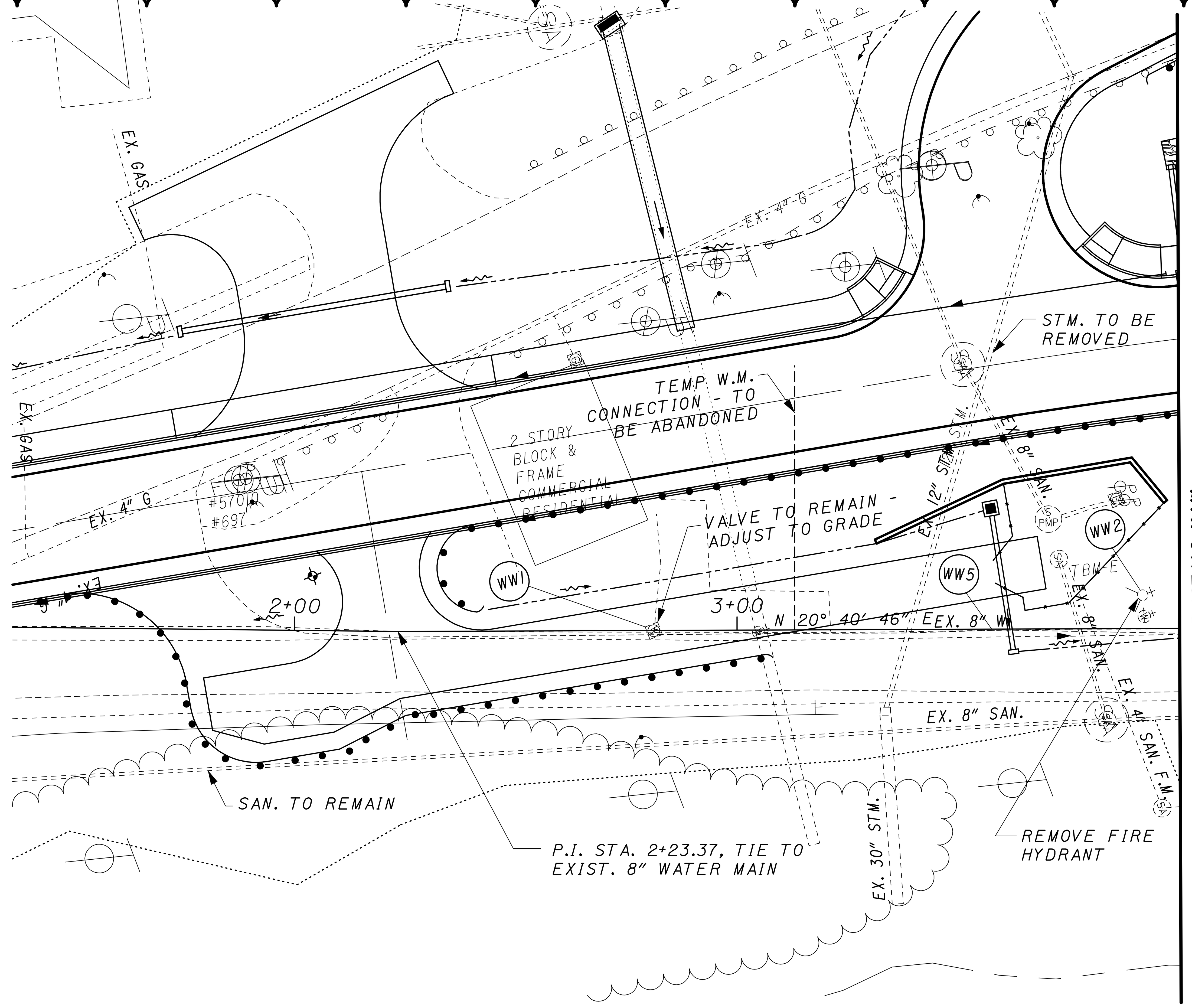
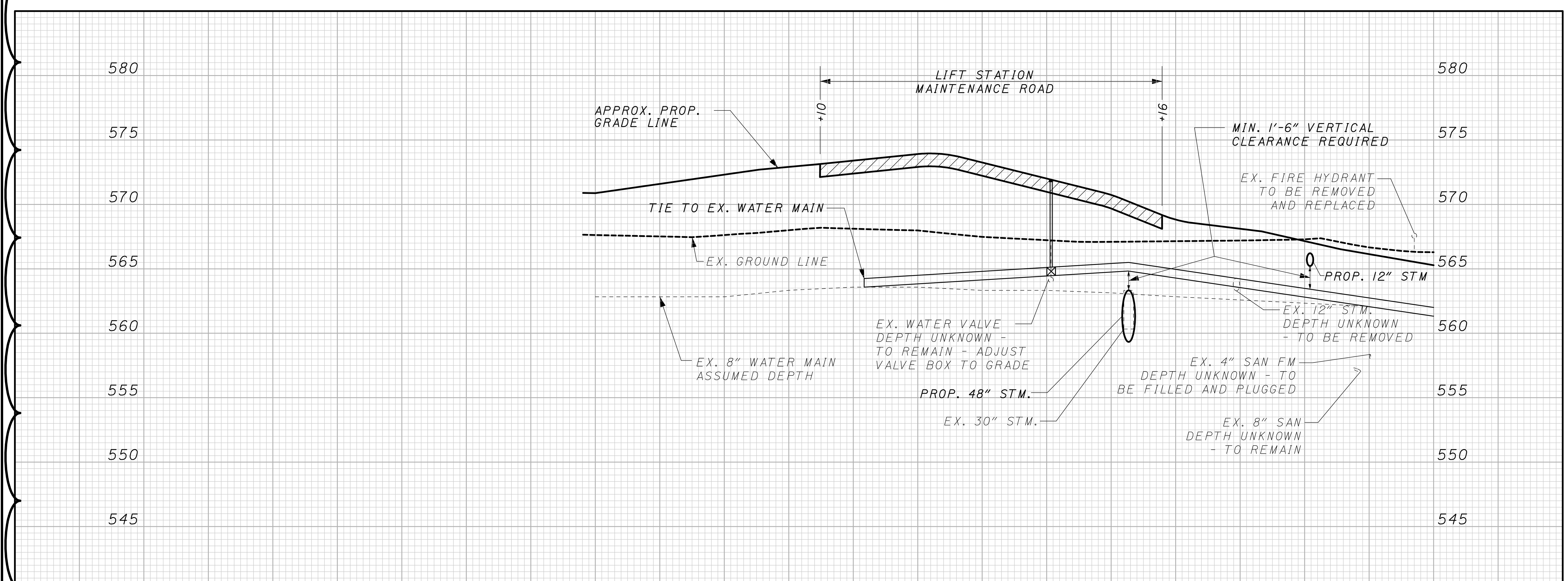




REF NO.	STATION FROM	STATION TO	SIDE	638 VALVE BOX ADJUSTED TO GRADE (EACH)	638 FIRE HYDRANT REMOVED (EACH)	638 8" WATER MAIN (LIN FT)
WW1	2+82	2+82	CL	1		
WW2	3+94	3+94	L		1	
WW5	2+23	4+00	CL			177
TOTALS CARRIED TO GENERAL SUMMARY				1	1	177

NUMBER	REVISION	DATE	BY
1	WATER MAIN REVISION	2/06	DW

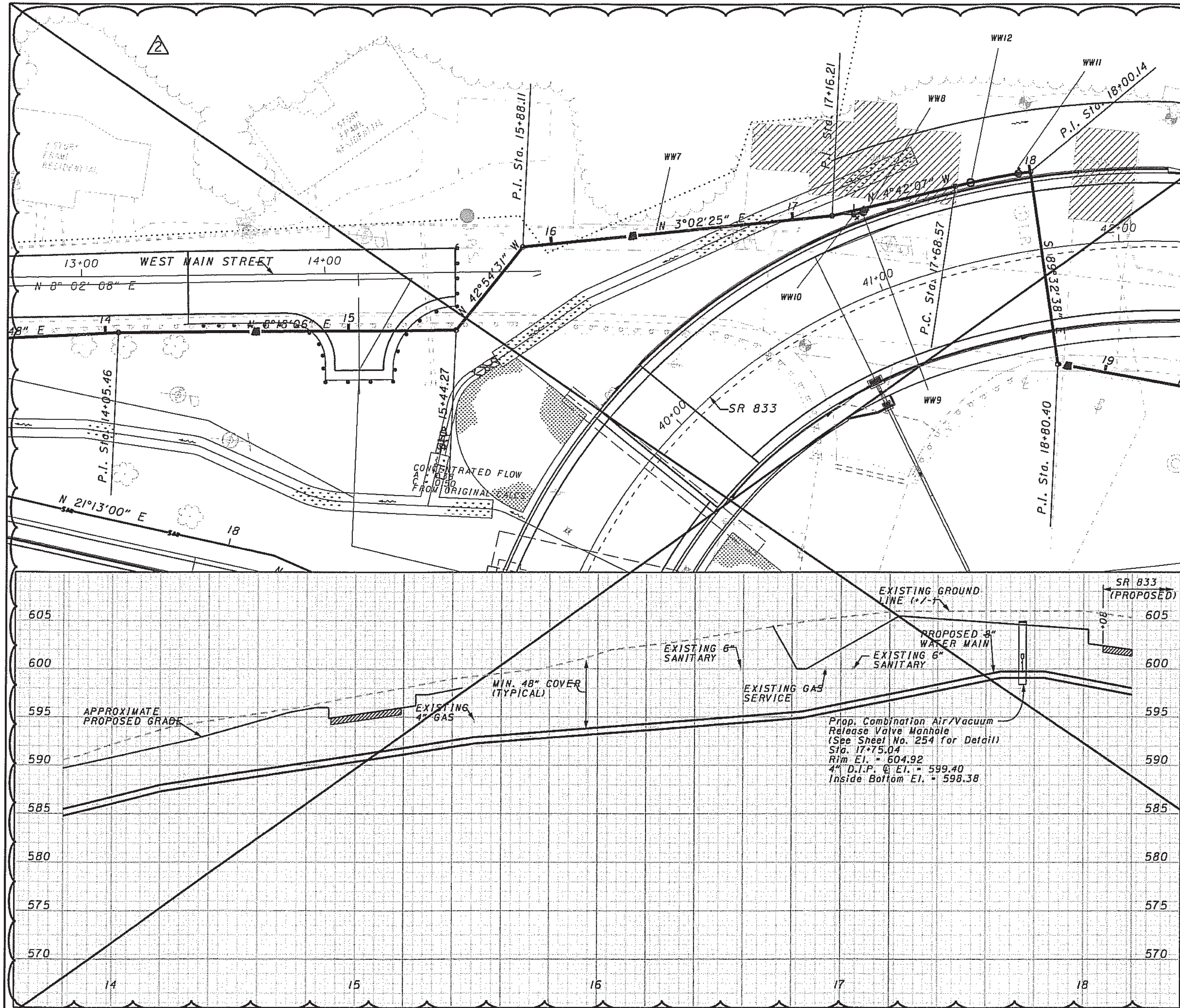
CALCULATED DW
CHECKED SJ

HORIZONTAL SCALE IN FEET 0 20 40

WATER WORK PLAN AND PROFILE
STA. 0+35 TO 4+00

MEG-33-15.70

262A
582



REF NO.	STATION FROM	STATION TO	SIDE	638: 8" WATER MAIN D.I. PIPE ANSI CL. 53, BOLTLESS-RESTRAINED JTS. & FITTINGS (LIN FT)	638: 6" WATER MAIN D.I. PIPE ANSI CL. 53, BOLTLESS-RESTRAINED JTS. & FITTINGS (LIN FT)	6" GATE VALVE AND VALVE BOX (EACH)	6" FIRE HYDRANT, AS PER PLAN (EACH)	8" GATE VALVE AND VALVE BOX (EACH)	SPECIAL: MISC.: COMBINATION AIR/VACUUM RELEASE VALVE MANHOLE (LUMP)
WW7	14+00.00	18+00.00	CL	400					
WW8	17+24.90	17+30.92	L/CL		8				
WW9	17+28.94	17+28.94	R			1			
WW10	17+24.90	17+24.90	R				1		
WW11	17+95.14	17+95.14	CL					1	
WW12	17+73.54	17+76.54	CL						LUMP
TOTALS CARRIED TO WATER WORK GENERAL SUMMARY				400	8	1	1	1	LUMP

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	8/05	KAS
2	WATER MAIN REVISION	2/06	DW

HORIZONTAL SCALE IN FEET

BCR
CHECKED KAS

WATER WORK PLAN AND PROFILE
STA 14+00 TO STA 18+00

MEG-33-15.70

263
582

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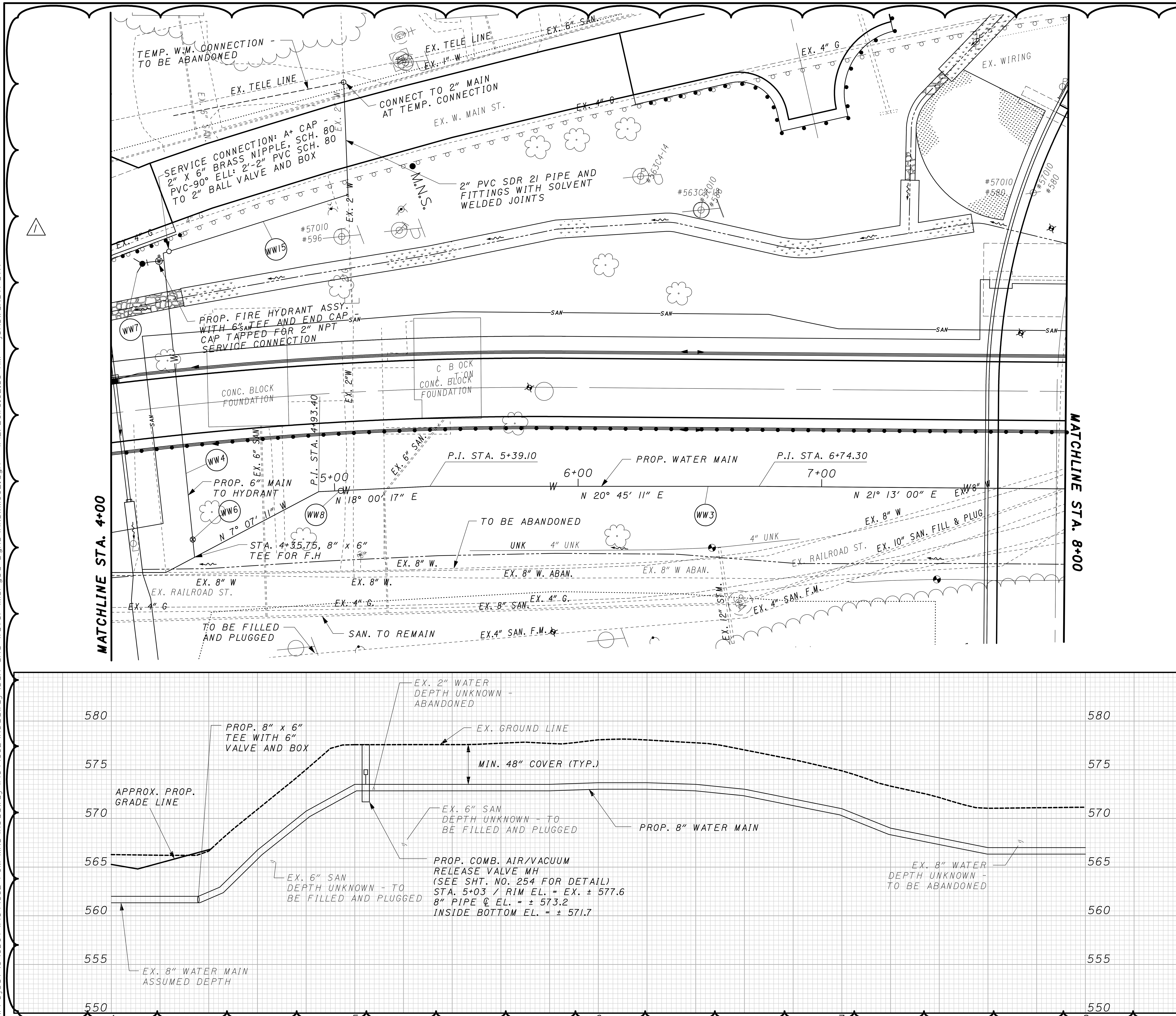

REF NO.	STATION FROM	STATION TO	SIDE	638 8" WATER MAIN LIN FT	638 6" WATER MAIN LIN FT	638 6" FIRE HYDRANT EACH	638 6" GATE VALVE AND VALVE BOX EACH	638 2" AIR RELEASE VALVE EACH	638 2" WATER MAIN LIN FT
WW3	4+00	8+00	CL	400					
WW4	4+36	4+64	L/CL		125				
WW6	4+36	4+36	L				1		
WW7	4+60	4+60	L		10	1	1		
WW8	5+03	5+03	CL					1	
WW15	4+64	4+22.39	L						120
TOTALS CARRIED TO GENERAL SUMMARY				400	135	1	2	1	120

NUMBER	REVISION	DATE	BY
1	WATER MAIN REVISION	2/06	DW

HORIZONTAL SCALE IN FEET 0 20 40

CALCULATED DW
CHECKED SJ

WATER WORK PLAN AND PROFILE
STA. 4+00 TO 8+00

MEG-33-15.70

263A
582

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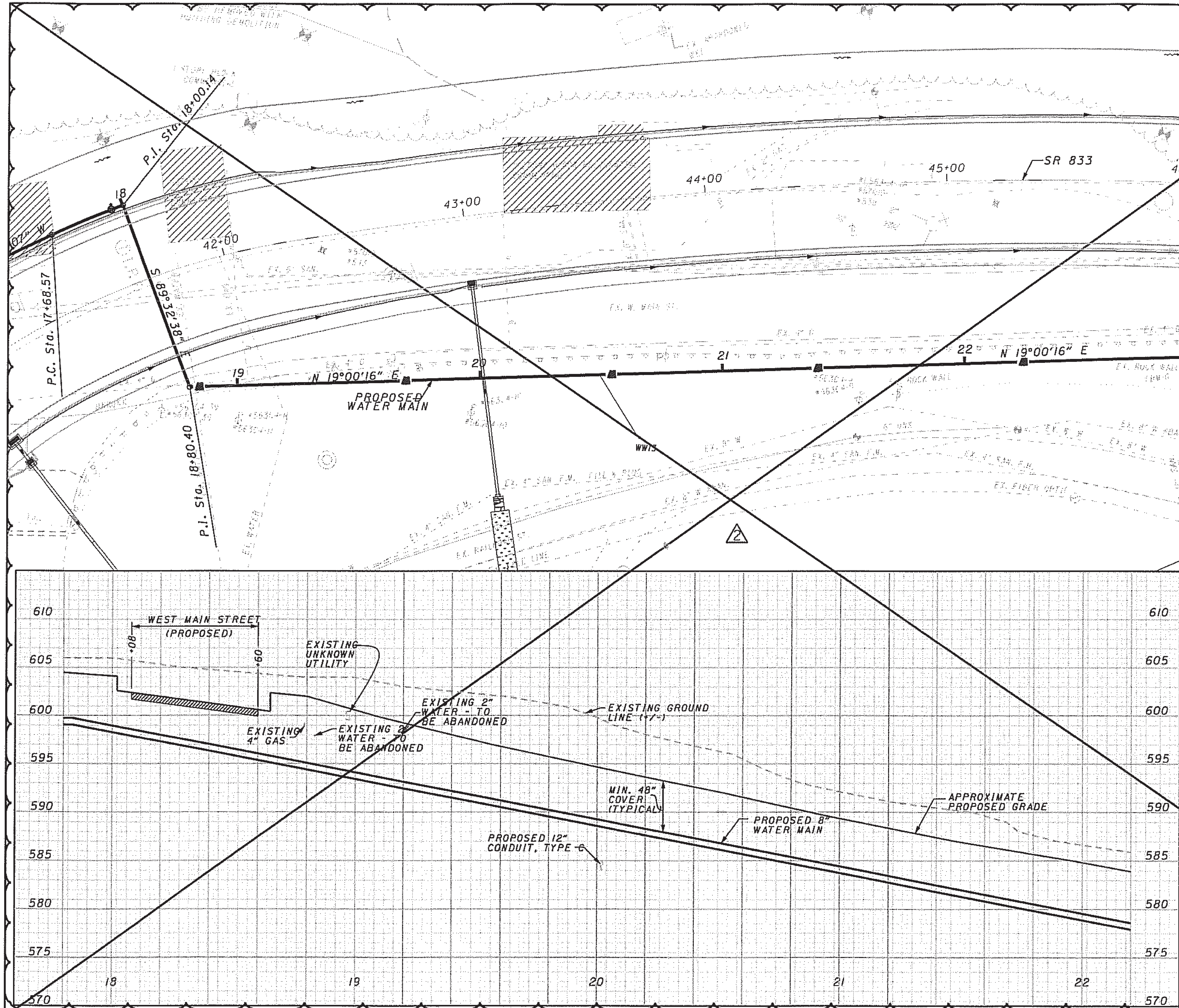

REF NO.	STATION FROM	STATION TO	SIDE	8" WATER MAIN D.I. PIPE ANSI CL. 53, BOLTLESS-RESTRAINED JTS. & FITTINGS LIN FT
WW13	18+00.00	22+00.00	CL	400
TOTALS CARRIED TO WATER WORK GENERAL SUMMARY				400

638

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	8/05	KAS
2	WATER MAIN REVISION	2/06	DW

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED BCR
CHECKED KAS

WATER WORK PLAN AND PROFILE
STA 18+00 TO STA 22+00

MEG-33-15.70

264
582

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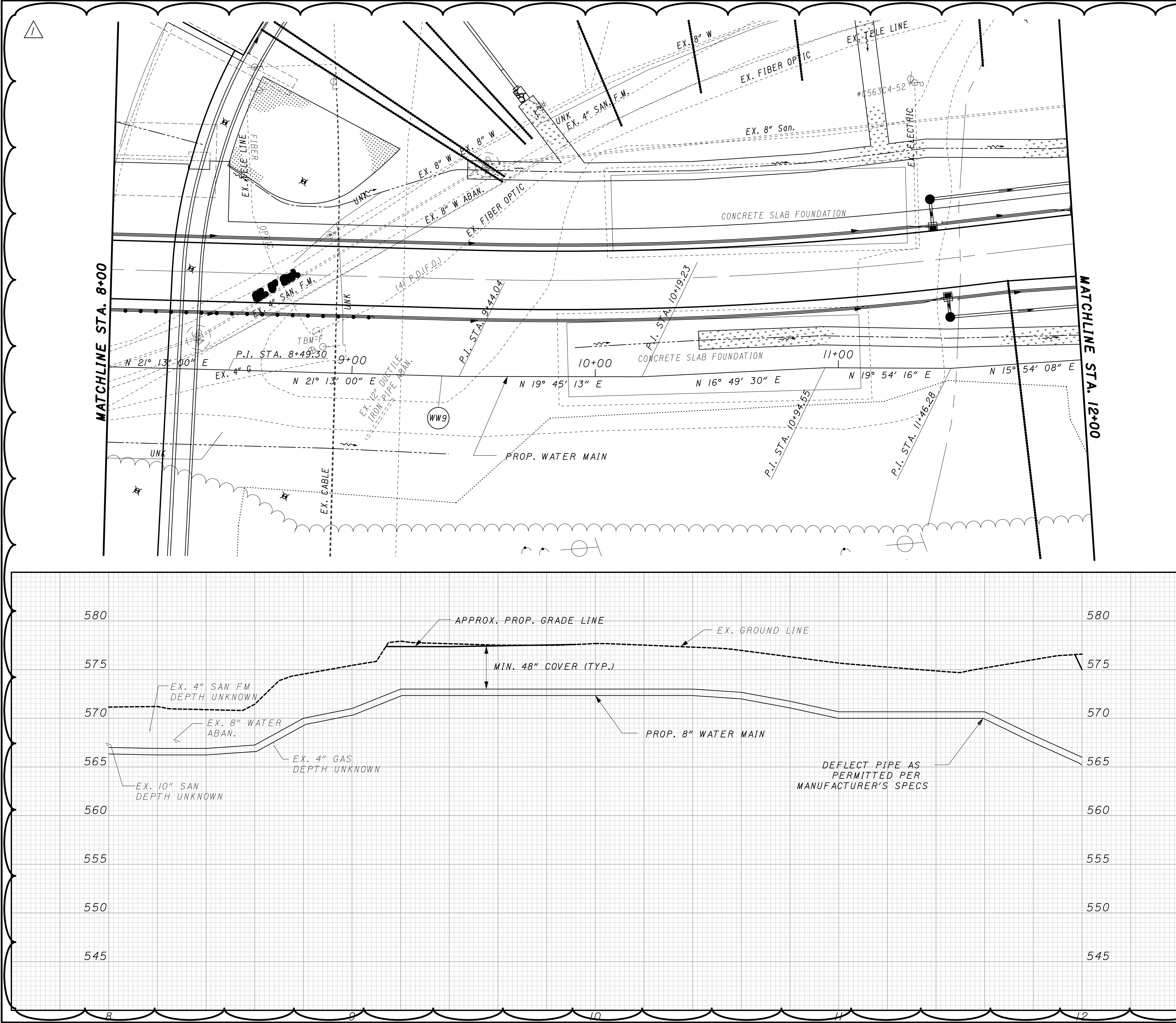

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NUMBER	REVISION	DATE	BY
1	WATER MAIN REVISION	2/06	DW

CALCULATED DW
CHECKED SJ

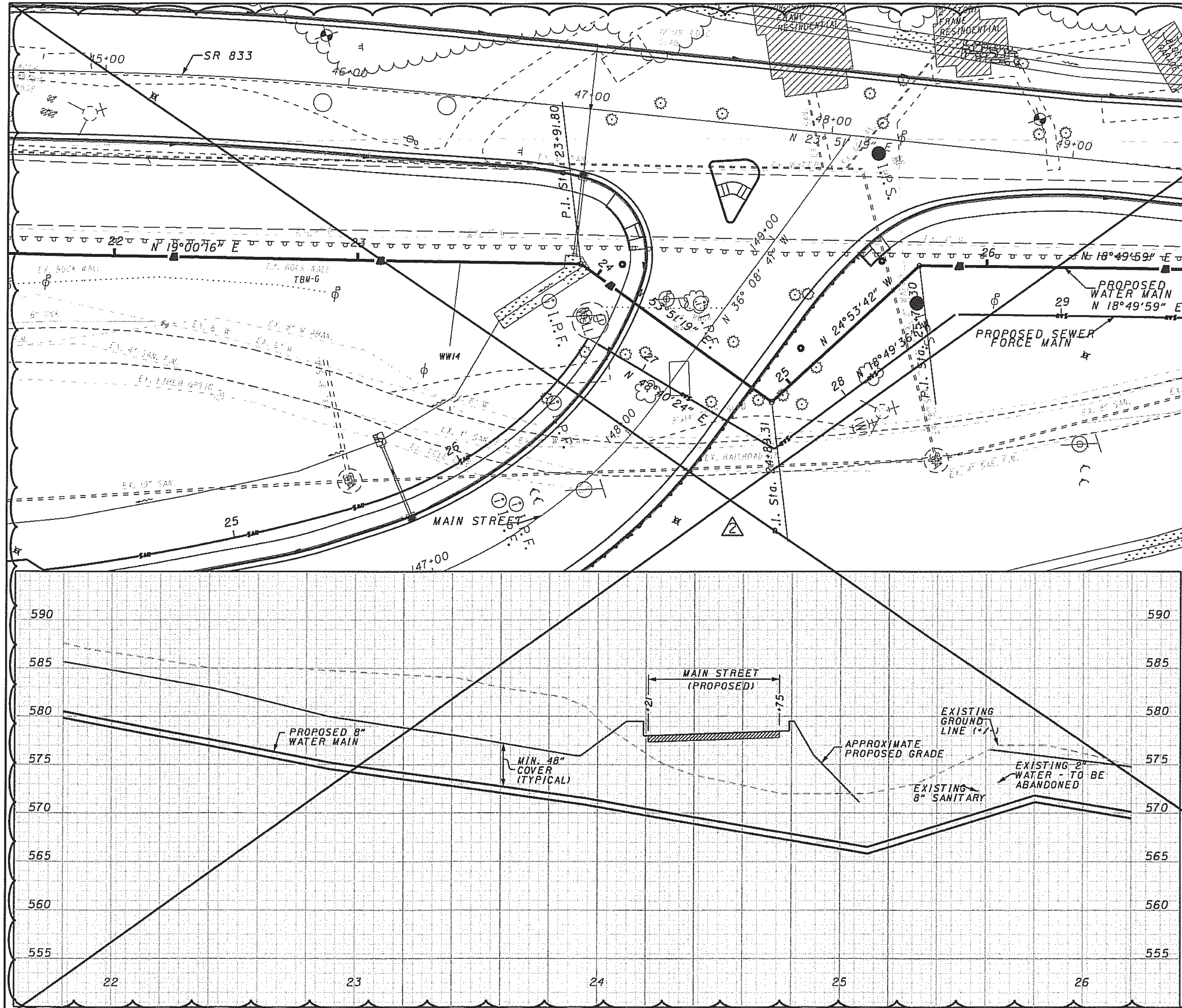
0 20 40
HORIZONTAL SCALE IN FEET

REF NO.	STATION FROM	STATION TO	SIDE	638 8" WATER MAIN LIN FT
WW9	8+00	12+00	CL	400
TOTALS CARRIED TO GENERAL SUMMARY				400

WATER WORK PLAN AND PROFILE
STA. 8+00 TO STA. 12+00

MEG-33-15.70

264A
582



REF NO.	STATION FROM	STATION TO	SIDE	638 — 8" WATER MAIN D.I. PIPE ANSI CL. 53, BOLTLESS-RESTRAINED JTS. & FITTINGS LIN FT
WW14	22+00.00	26+00.00	CL	400
TOTALS CARRIED TO WATER WORK GENERAL SUMMARY				400

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	8/05	KAS
2	WATER MAIN REVISION	2/06	DW

BCR
CHECKED KAS

HORIZONTAL SCALE IN FEET

WATER WORK PLAN AND PROFILE
STA 22+00 TO STA 26+00

MEG-33-15.70

265
582

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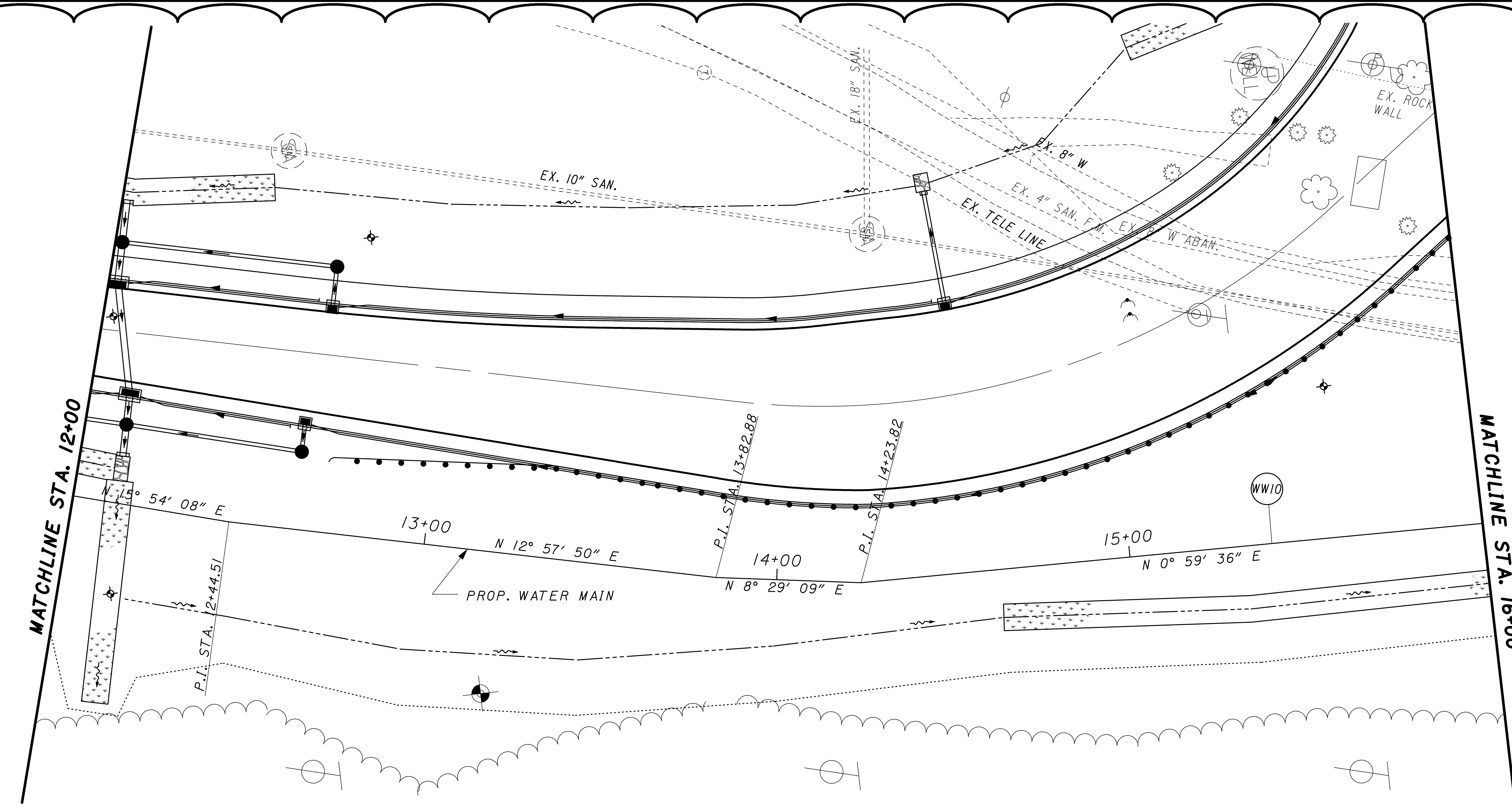
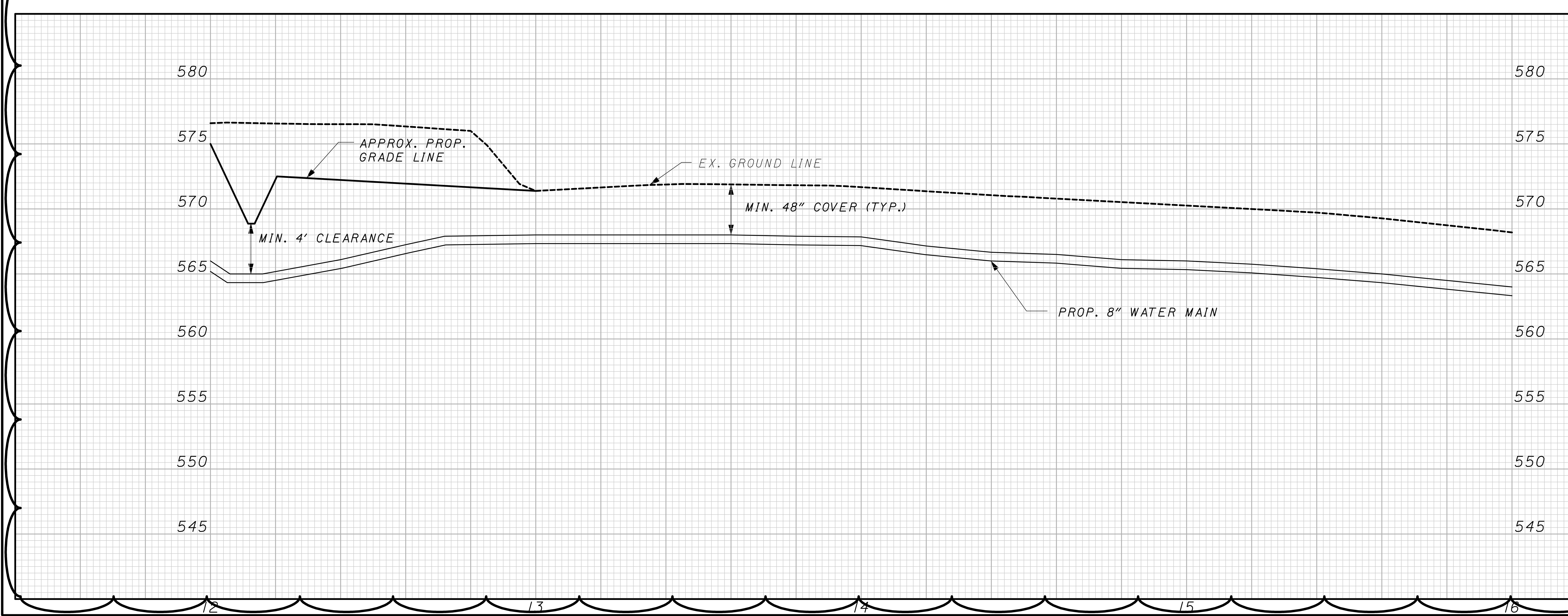




NUMBER	REVISION	DATE	BY
1	WATER MAIN REVISION	2/06	DW

CALCULATED DW
CHECKED SJ

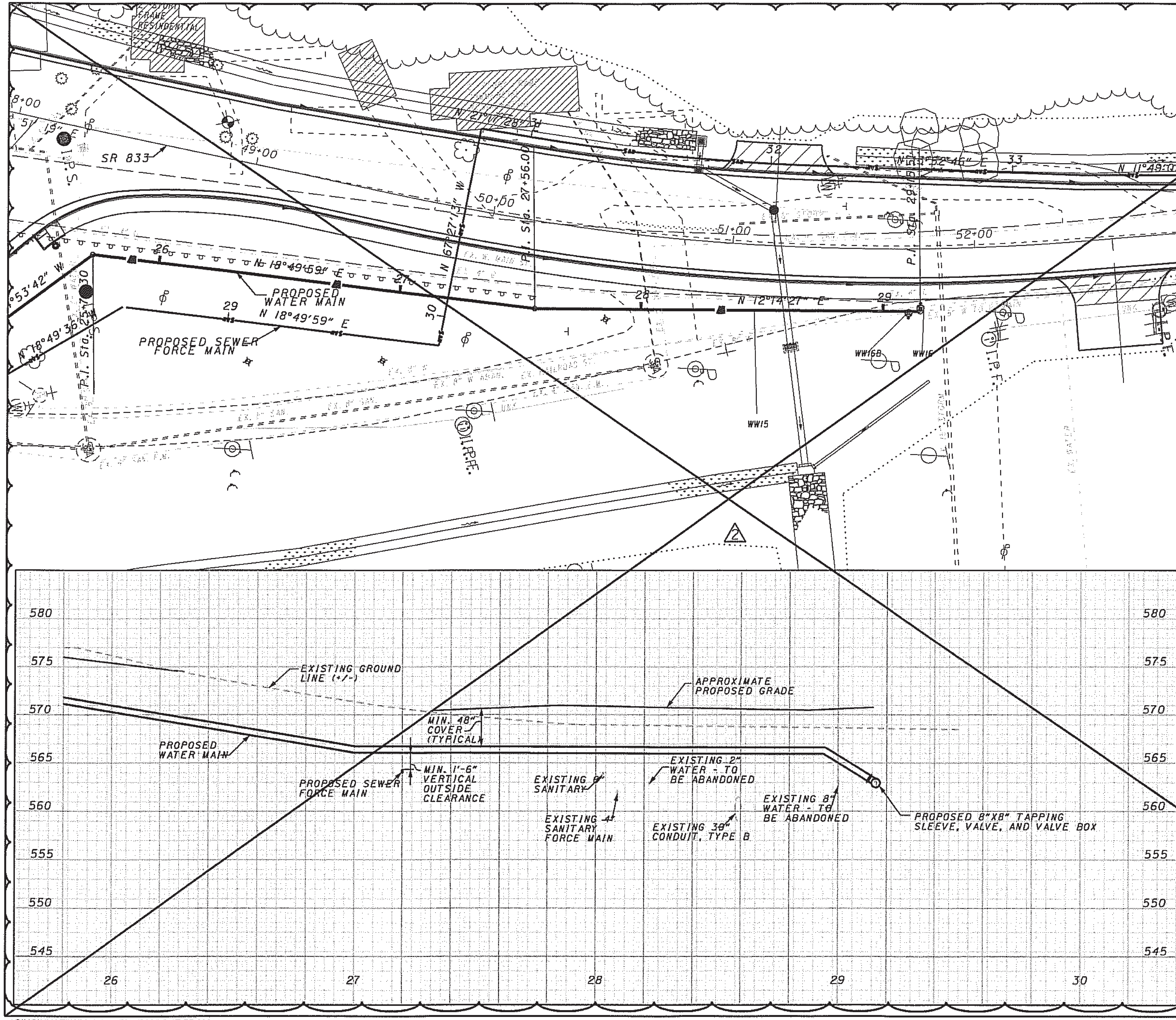
HORIZONTAL SCALE IN FEET 0 20 40

REF NO.	STATION FROM	STATION TO	SIDE	638 8" WATER MAIN LIN FT
WW10	12+00	16+00	CL	400
TOTALS CARRIED TO GENERAL SUMMARY				400

WATER WORK PLAN AND PROFILE
STA. 12+00 TO STA. 16+00

MEG-33-15.70

265A
582



REF NO.	STATION FROM	STATION TO	SIDE	638 8" WATER MAIN D.I. PIPE ANSI CL. 53, BOLTLESS-RESTRAINED JTS. & FITTINGS (LIN FT)	8"x8" TAPPING SLEEVE, VALVE AND VALVE BOX (EACH)	8" INSERTING VALVE AND VALVE BOX
WW15	26+00.00	29+15.51	CL	315.51		
WW16	29+15.51	29+15.51	CL		1	
WW16B	29+10.63	29+10.63	R			1
TOTALS CARRIED TO WATER WORK GENERAL SUMMARY				315.51	1	1

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	8/05	KAS
2	WATER MAIN REVISION	2/06	DW

CALCULATED BCR
CHECKED KAS

HORIZONTAL SCALE IN FEET 0 10 20 40

WATER WORK PLAN AND PROFILE
STA 26+00 TO STA 29+15.51

MEG-33-15.70

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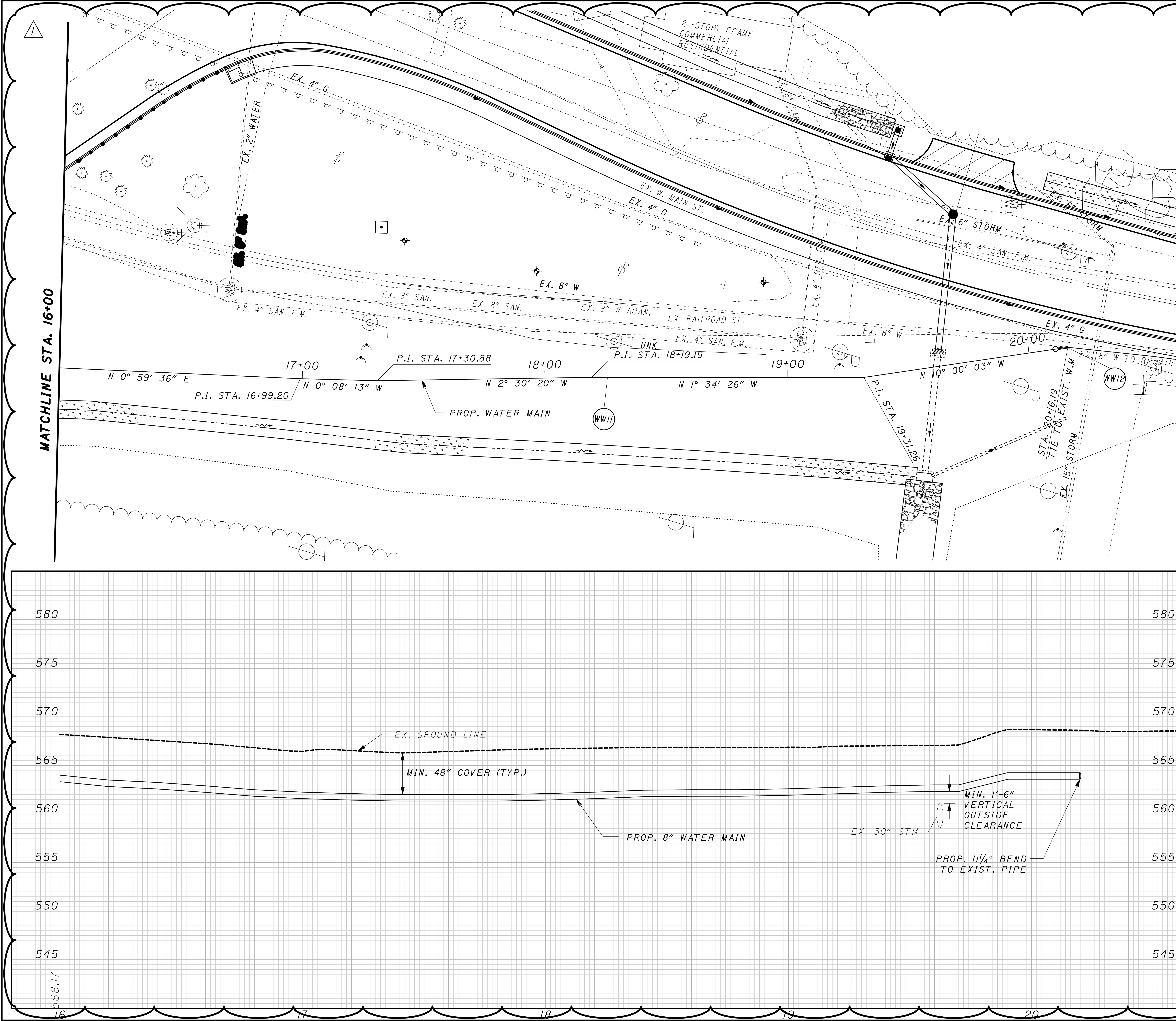
J:\Project\O\ODOT\4944862 POM-MAS\Roadway\San and Water\Merged Dgns\AK_WM005.dgn - 1/12/2011 9:03:06 AM - jon.wanstrath



REF NO.	STATION FROM	STATION TO	SIDE	638 8" WATER MAIN LIN FT
WW11	16+00	20+16.19	CL	416
TOTALS CARRIED TO GENERAL SUMMARY				416

NUMBER	REVISION	DATE	BY
1	WATER MAIN REVISION	2/06	DW

CALCULATED DW
CHECKED SJ

HORIZONTAL SCALE IN FEET
0 20 40

WATER WORK PLAN AND PROFILE
STA. 16+00 TO STA. 20+50

MEG-33-15.70

NOT USED

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	8/05	SCC

0 10 20 40
HORIZONTAL SCALE IN FEET

CALCULATED JAP
CHECKED JAP

WATER WORK PLAN AND PROFILE
STA 29+80 TO STA 30+81.93

MEG-33-15.70

NOT USED

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	8/05	SCC

0 10 20 40
HORIZONTAL SCALE IN FEET

CALCULATED JAP
CHECKED JAP

WATER WORK TEMPORARY PLAN AND PROFILE
STA 22+60 TO STA 26+40

MEG-33-15.70

NOT USED

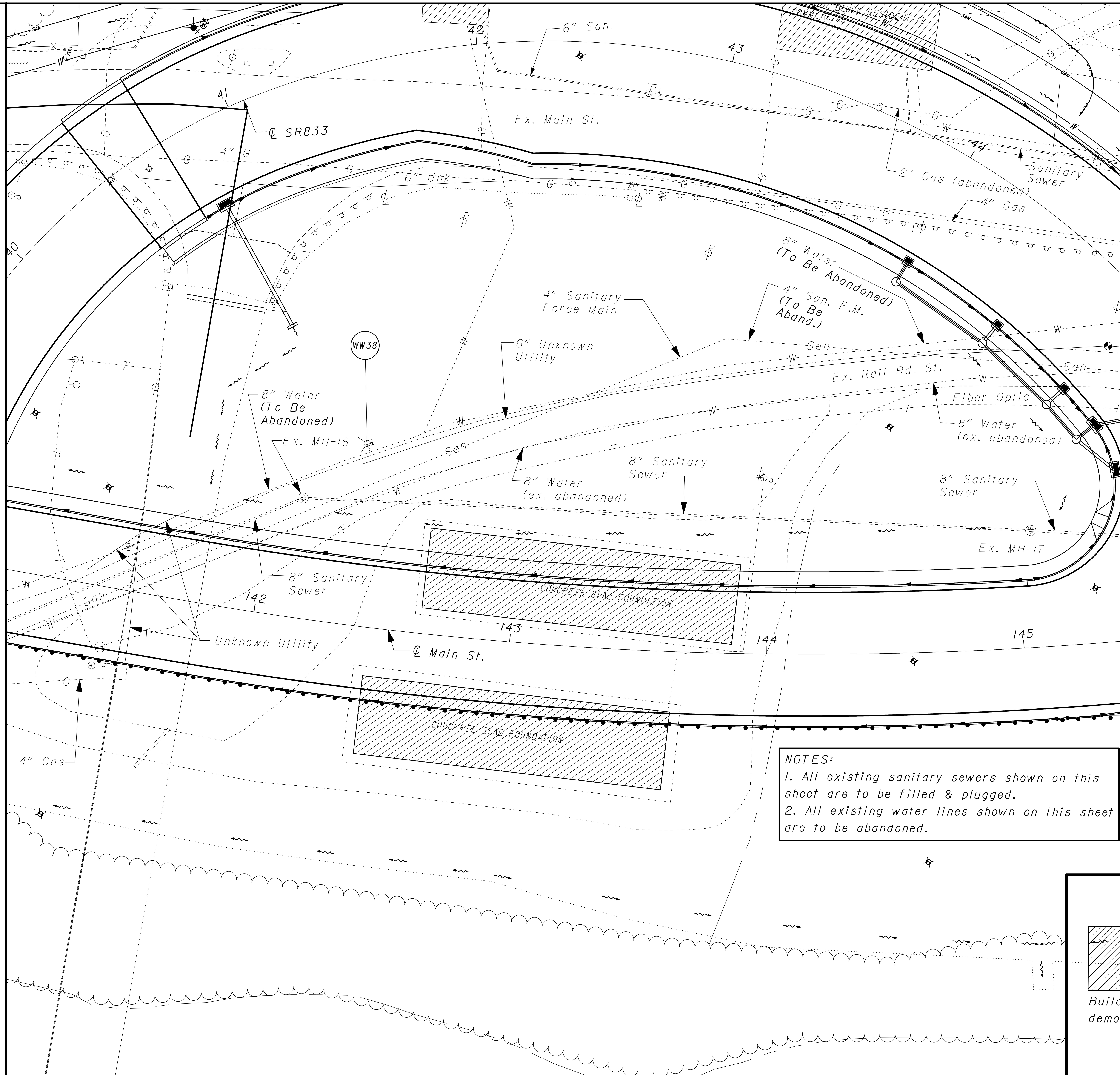
NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	8/05	SCC

CALCULATED JAP
CHECKED JAP

0 10 20 40
HORIZONTAL
SCALE IN FEET

WATER WORK TEMPORARY PLAN AND PROFILE
STA 26+40 TO STA 30+07.72

MEG-33-15.70



NOTES:
1. All existing sanitary sewers shown on this sheet are to be filled & plugged.
2. All existing water lines shown on this sheet are to be abandoned.

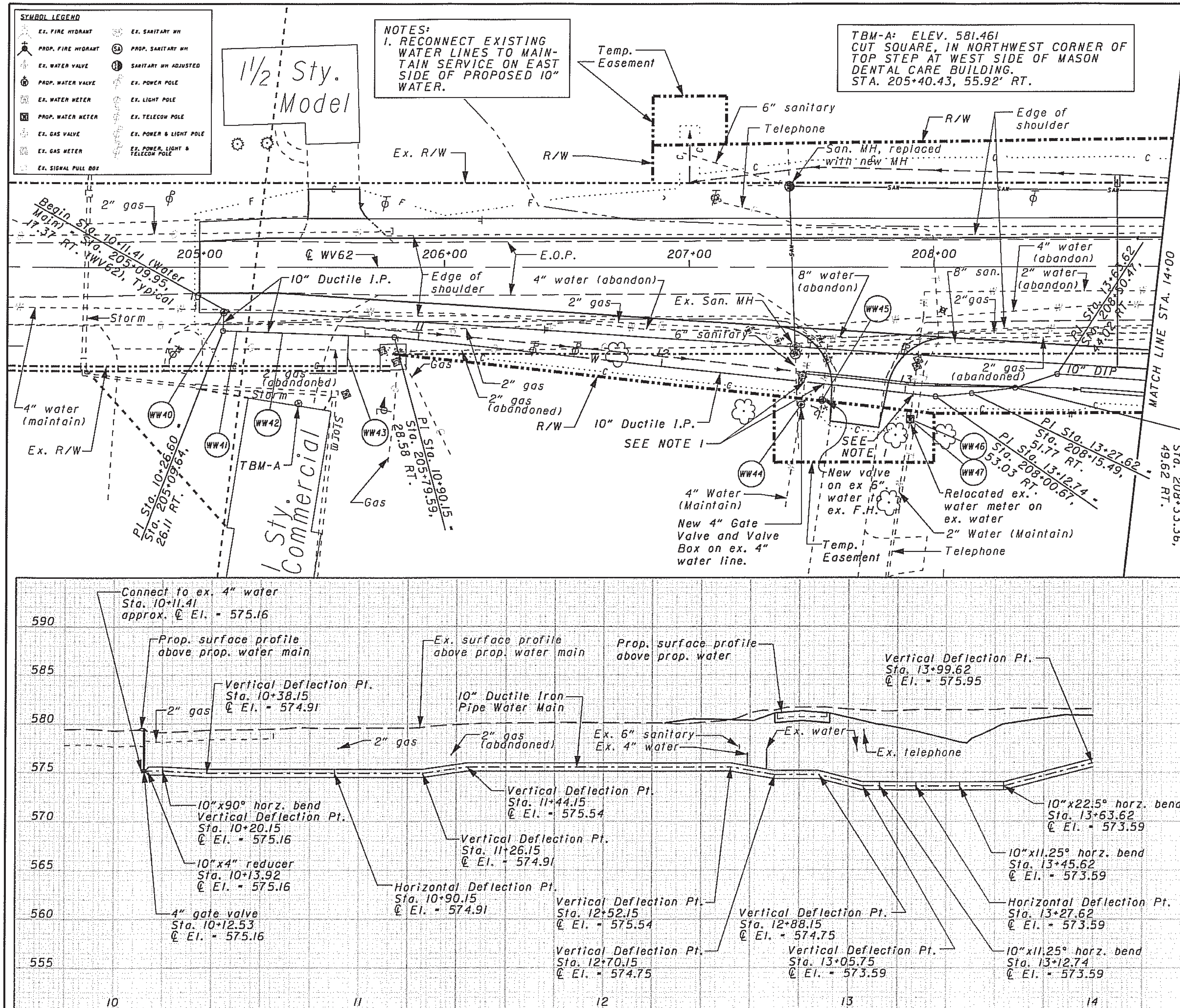
REF NO.	STATION FROM	STATION TO	SIDE	638 FIRE HYDRANT REMOVED, AS PER PLAN (EACH)
WW38	142+35.30	142+35.30	L	1
TOTALS CARRIED TO WATER WORK GENERAL SUMMARY				1

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED JAP
CHECKED JAP

RAILROAD STREET PARTIAL PLAN FOR WATER REMOVAL QUANTITY

MEG-33-15.70



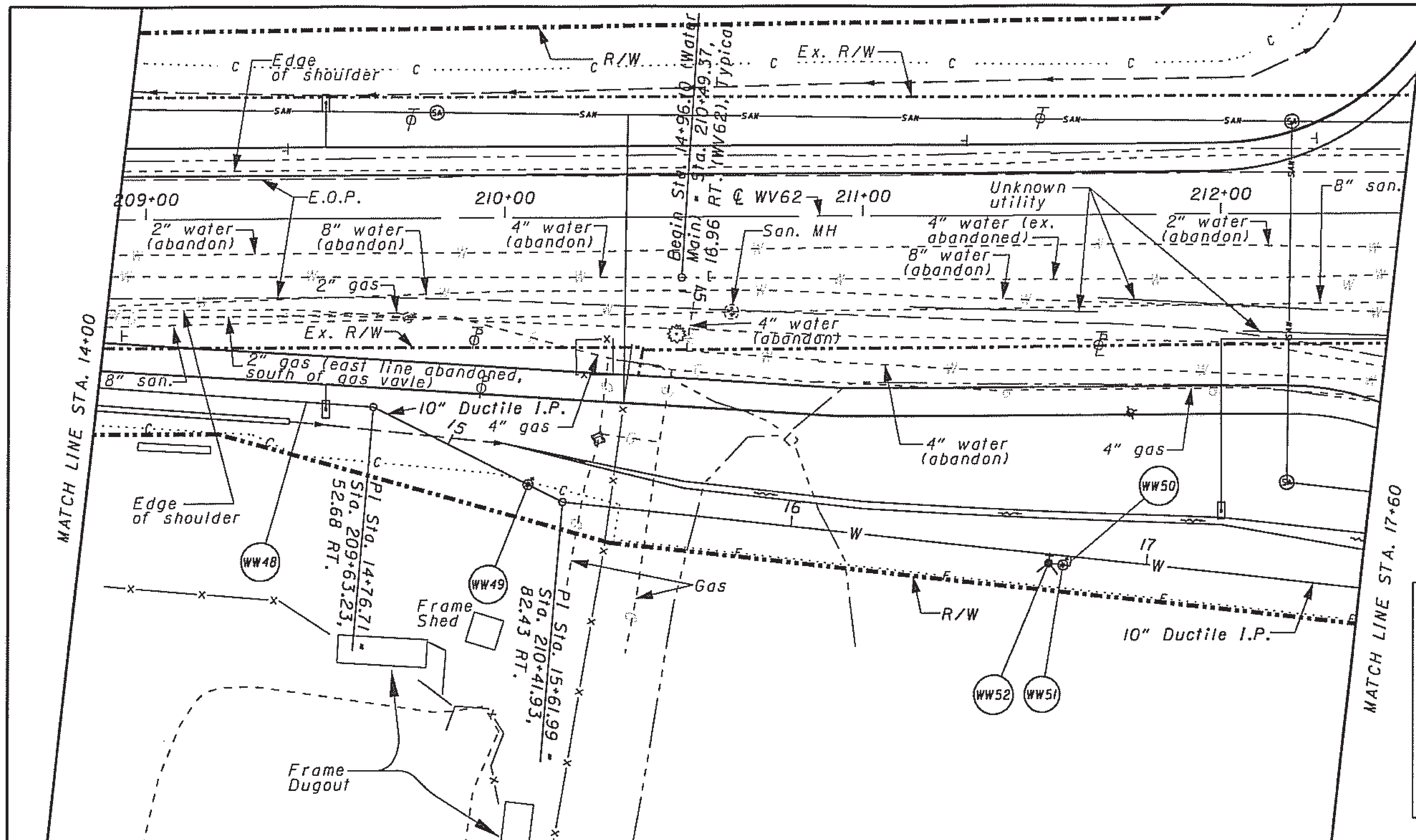
REF NO.	STATION FROM	STATION TO	SIDE	10" DUCT. IRON PIPE, TYPE I, CL. 53 (WVDOH), AS PER PLAN (MASON) LIN FT	10" DUCT. IRON PIPE, TYPE I, CL. 53 (WVDOH), AS PER PLAN (UNINCORP. WV) LIN FT	4" GATE VALVE AND VALVE BOX (WVDOH) (MASON) EACH	SPECIAL 4" GATE VALVE AND VALVE BOX (WVDOH) (UNINCORP. WV) EACH	SPECIAL 6" GATE VALVE AND VALVE BOX (WVDOH) (MASON) EACH	RELOCATED METER (WVDOH) (MASON) EACH	RELOCATED METER BOX (WVDOH) (MASON) EACH	3/4" HOUSE CONNECTION (WVDOH) (MASON) LIN FT
WW40	10+12.54	10+12.54	CL				1				
WW41	10+11.41	10+36.46	CL		25						
WW42	10+36.46	14+00	CL	364							
WW43	10+71.34	17+71.34	R/CL								13
WW44	12+58.57	12+58.57	R			1					
WW45	12+66.84	12+66.84	R					1			
WW46	13+03.44	13+03.44	R						1		
WW47	13+03.44	13+03.44	R							1	
TOTALS CARRIED TO WATER WORK GENERAL SUMMARY				364	25	1	1	1	1	1	13

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED JAP
CHECKED KAS

WEST VIRGINIA WATER WORK PLAN AND PROFILE
STA. 10+11.41 TO STA. 14+00

MEG-33-15.70

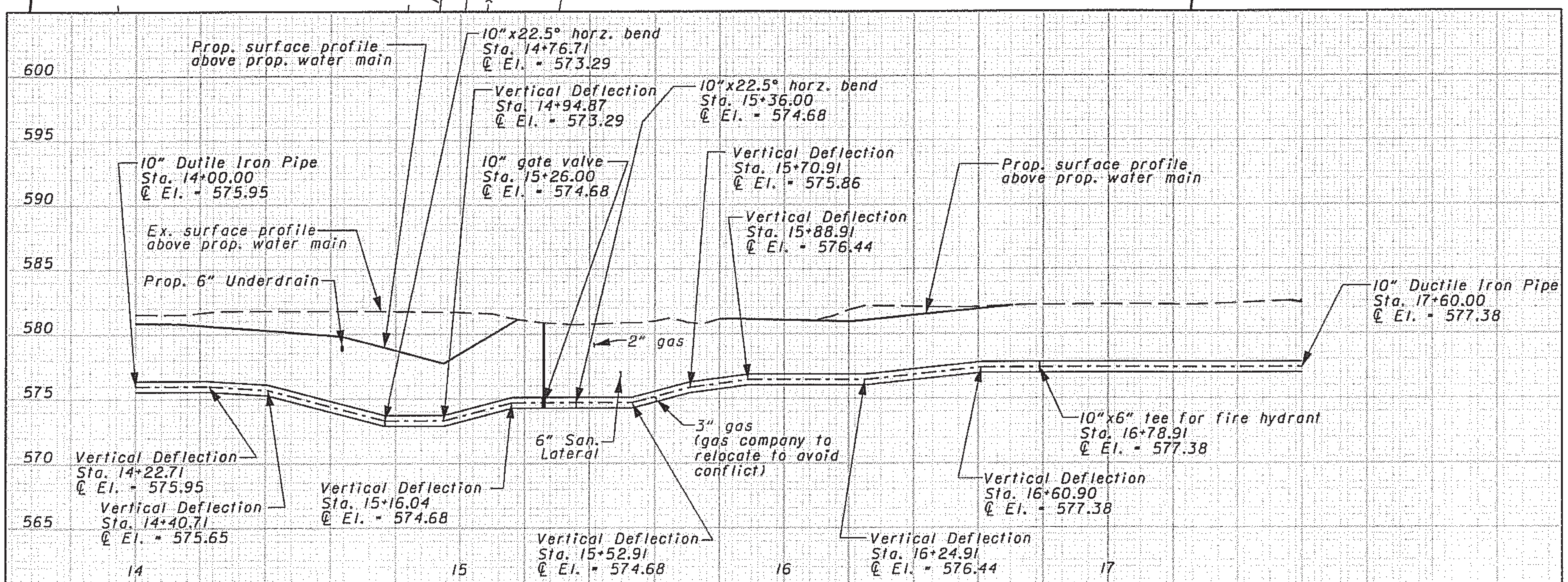


SYMBOL LEGEND

- EX. FIRE HYDRANT
- PROP. FIRE HYDRANT
- EX. WATER VALVE
- PROP. WATER VALVE
- EX. WATER METER
- PROP. WATER METER
- EX. GAS VALVE
- EX. GAS METER
- EX. SANITARY MH
- PROP. SANITARY MH
- SANITARY MH ADJUSTED
- EX. POWER POLE
- EX. LIGHT POLE
- EX. TELECOM POLE
- EX. POWER & LIGHT POLE
- EX. POWER, LIGHT & TELECOM POLE
- EX. SIGNAL PULL BOX

TBM-A: ELEV. 581.461
(NOT SHOWN, SEE SHEET 271)
CUT SQUARE, IN NORTHWEST CORNER OF TOP STEP AT WEST SIDE OF MASON DENTAL CARE BUILDING.
STA. 205+40.43, 55.92' RT.

TBM-B: ELEV. 585.278
(NOT SHOWN, SEE SHEET 273)
CUT SQUARE, IN TOP OF LIGHT BASE ALONG WALMART DRIVE.
STA. 214+33.59, 87.97 RT.



REF NO.	STATION FROM	STATION TO	SIDE	6" DUCT. IRON PIPE, TYPE 1, CL. 53 (WVDOH), AS PER PLAN (MASON) LIN FT	10" DUCT. IRON PIPE, TYPE 1, CL. 53 (WVDOH), AS PER PLAN (UNINCORP. WV) LIN FT	SPECIAL 6" GATE VALVE AND VALVE BOX (WVDOH) (MASON) EACH	10" GATE VALVE AND VALVE BOX (WVDOH) (MASON) EACH	6" FIRE HYDRANT (WVDOH) (MASON) EACH
WW48	14+00	17+60	CL		360			
WW49	15+25.19	15+25.19	CL				1	
WW50	16+72.79	16+78.89	R/CL	9				
WW51	16+76.83	16+76.83	R			1		
WW52	16+72.79	16+72.79	R					1
TOTALS CARRIED TO WATER WORK GENERAL SUMMARY				9	360	1	1	1

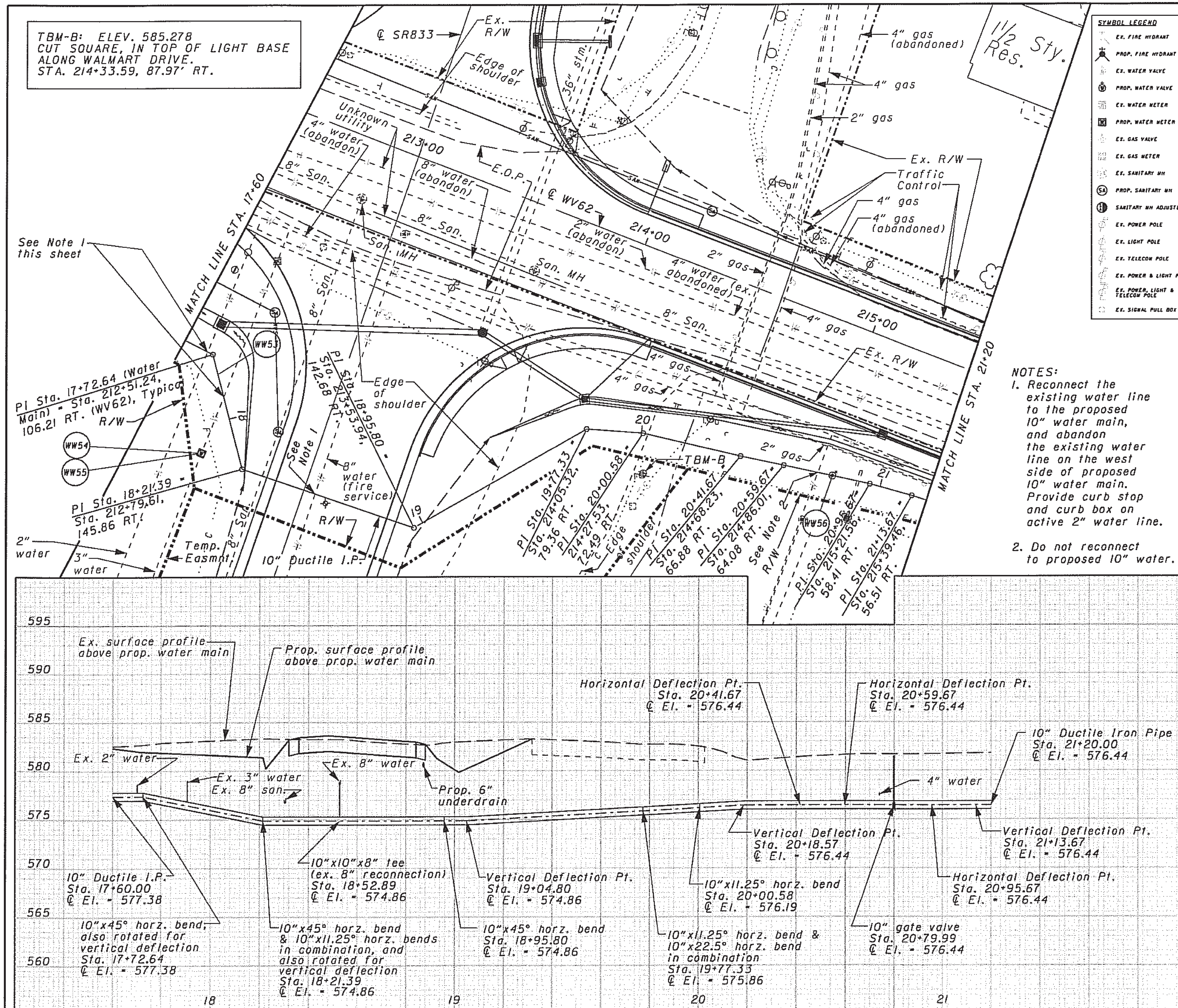
HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED JAP CHECKED KAS

WEST VIRGINIA WATER WORK PLAN AND PROFILE
STA. 14+00 TO STA. 17+60

MEG-33-15.70

TBM-B: ELEV. 585.278
CUT SQUARE, IN TOP OF LIGHT BASE
ALONG WALMART DRIVE.
STA. 214+33.59, 87.97' RT.



SYMBOL LEGEND
- EX. FIRE HYDRANT
- PROP. FIRE HYDRANT
- EX. WATER VALVE
- PROP. WATER VALVE
- EX. WATER METER
- PROP. WATER METER
- EX. GAS VALVE
- EX. GAS METER
- EX. SANITARY MH
- PROP. SANITARY MH
- SANITARY MH ADJUSTED
- EX. POWER POLE
- EX. LIGHT POLE
- EX. TELECOM POLE
- EX. POWER & LIGHT POLE
- EX. POWER, LIGHT & TELECOM POLE
- EX. SIGNAL PULL BOX

NOTES:
1. Reconnect the existing water line to the proposed 10" water main, and abandon the existing water line on the west side of proposed 10" water main. Provide curb stop and curb box on active 2" water line.

2. Do not reconnect to proposed 10" water.

REF NO.	STATION FROM	STATION TO	SIDE	10" DUCT. IRON PIPE, TYPE 1, CL. 53 (WVDOH), AS PER PLAN (MASON) LIN FT	SPECIAL 10" GATE VALVE AND VALVE BOX (WVDOH) (MASON) EACH	SPECIAL RELOCATE METER (WVDOH) (MASON) EACH	SPECIAL RELOCATE METER BOX (WVDOH) (MASON) EACH
WW53	17+60	21+20	CL	360			
WW54	18+10.92	18+10.92	R			1	
WW55	18+10.92	18+10.92	R				1
WW56	20+79.99	20+79.99	CL		1		
TOTALS CARRIED TO WATER WORK GENERAL SUMMARY				360	1	1	1

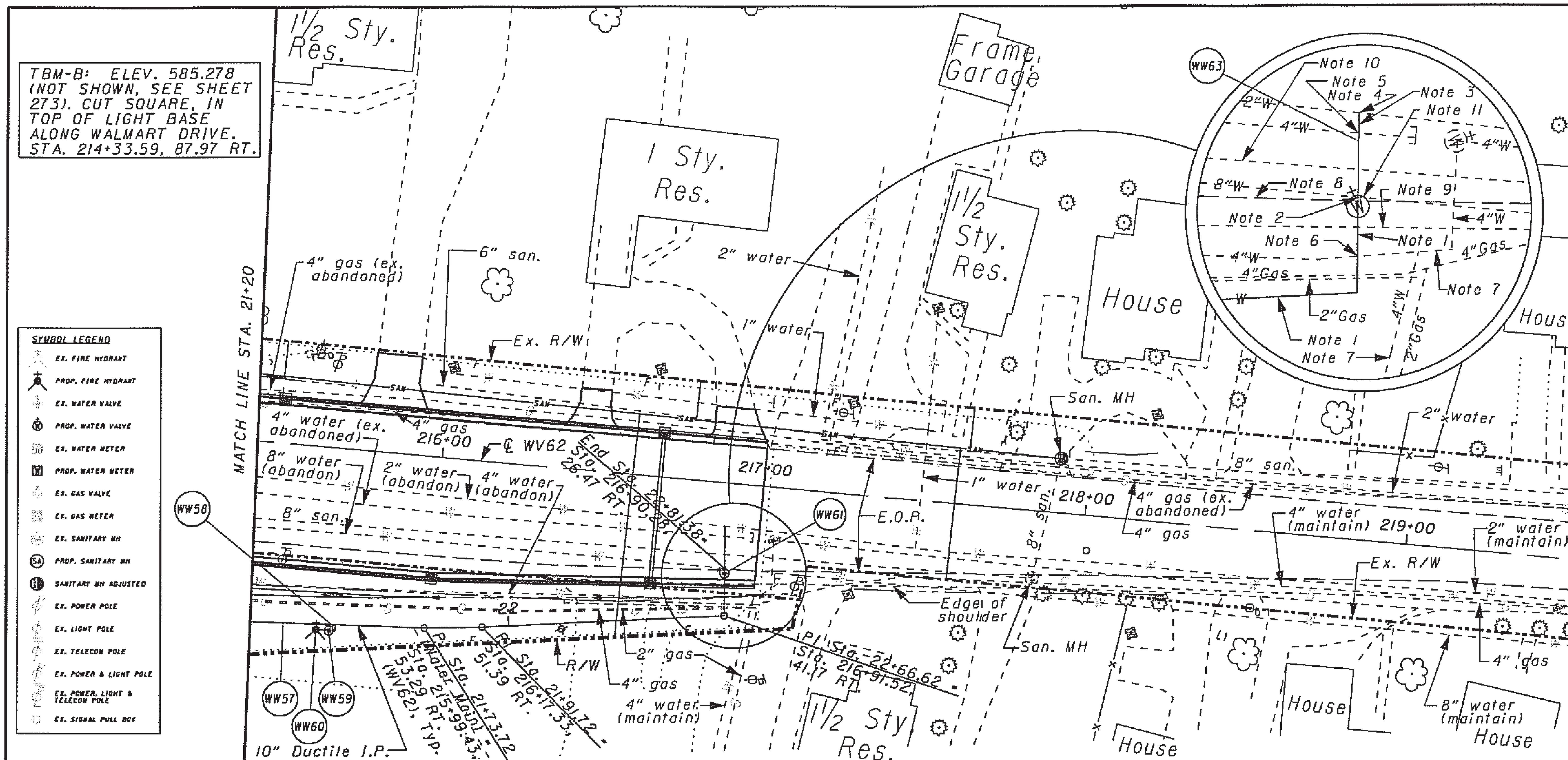
N

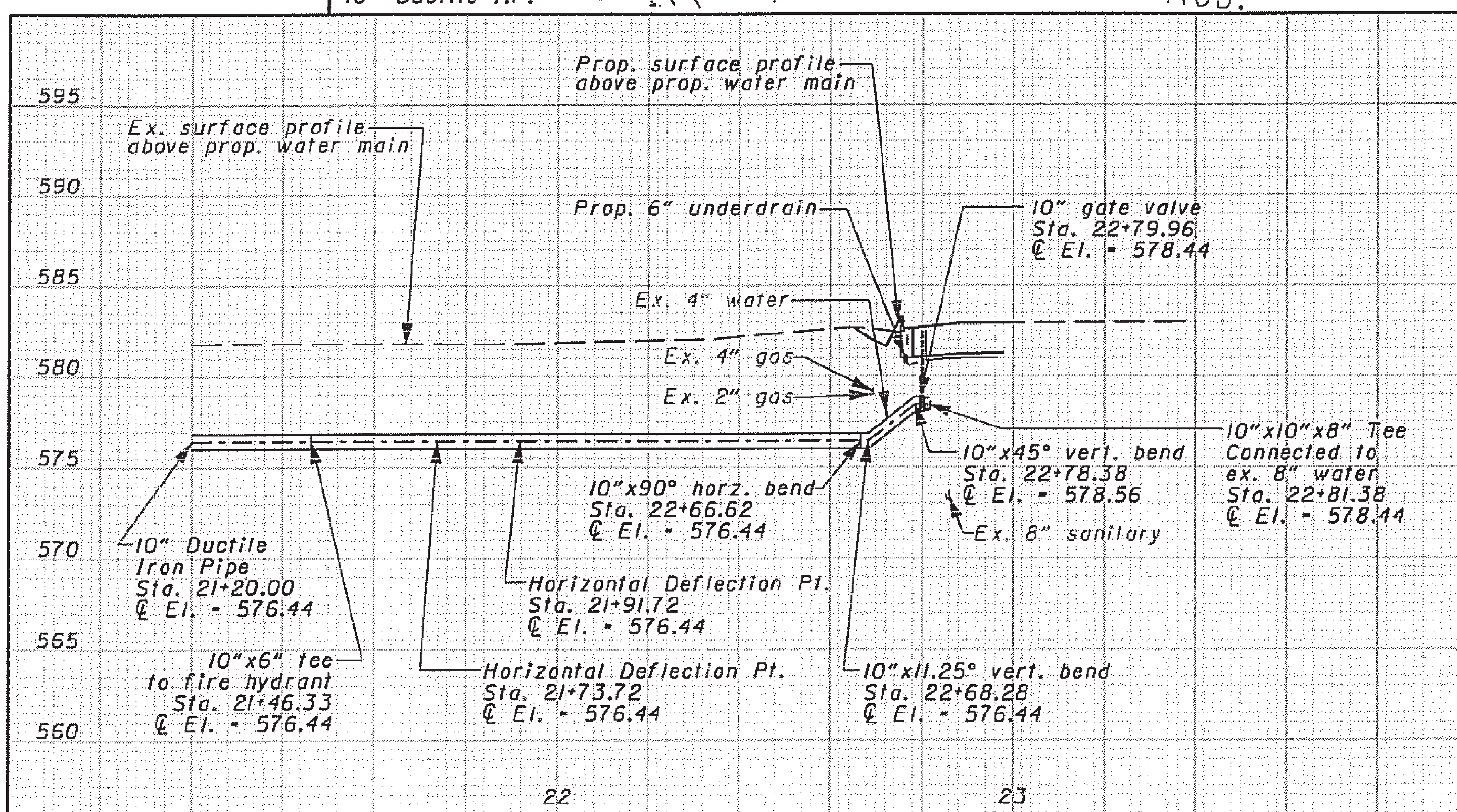
HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED JAP
CHECKED KAS

WEST VIRGINIA WATER WORK PLAN AND PROFILE
STA. 17+60 TO STA. 21+20

MEG-33-15.70





NOTES:

1. Proposed 10" Ductile Iron Pipe (DIP).
2. Proposed 10"x10"x8" tee to connect to existing 8" water. Abandon existing 8" water south of this new 10"x10"x8" tee and maintain existing 8" water north of this new 10"x10"x8" tee. Place a flat DIP cap on west leg of 10"x10x8" tee that can support a 2" tapping for copper line reconnection.
3. Proposed 2" copper line tapped into 10" flat cap on west side of 10"x10"x8" tee.
4. Reconnect ex. 2" water to proposed 2" copper (See Note 3). Abandon ex. 2" water south of this reconnection, maintain ex. 2" water north of this reconnection.
5. Do not reconnect ex. 4" water to proposed 10" DIP.
6. Reconnect existing 4" water (maintaining north side of this connection only) to proposed 10" DIP using a 10"x10"x4" tee. Abandon existing 4" water south of this new 10"x10"x4" tee.
7. Maintain existing 4" water.
8. Edge of existing pavement.
9. Edge of existing shoulder.
10. Existing 8" sanitary sewer will be abandoned along this stretch. See sanitary sewer plans for West Virginia.
11. Prop. 10" gate valve installed against the east side of the prop. 10"x10"x8" tee.

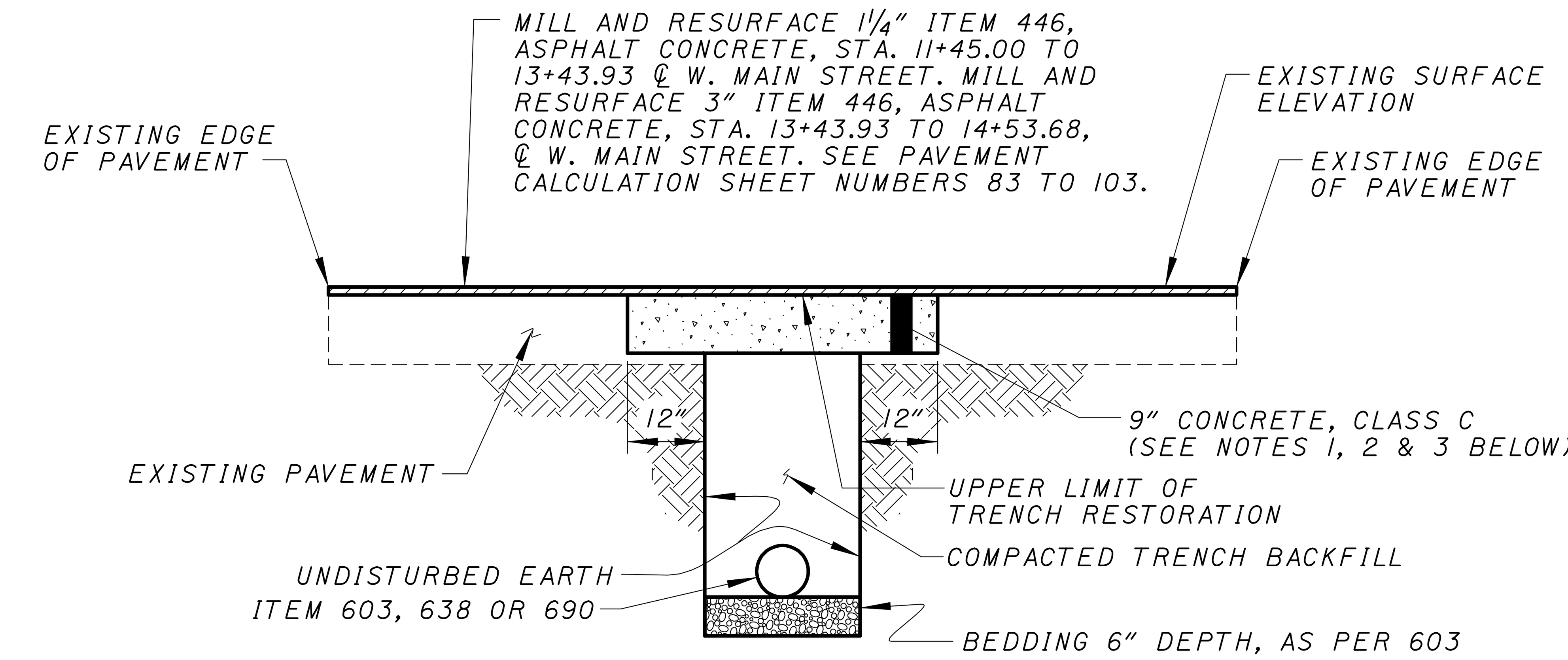
REF NO.	STATION FROM	STATION TO	SIDE	6" DUCT. IRON PIPE, TYPE I, CL. 53 (WVDOH), AS PER PLAN (MASON) LIN FT	10" DUCT. IRON PIPE, TYPE I, CL. 53 (WVDOH), AS PER PLAN (MASON) LIN FT	SPECIAL 2" COPPER SERVICE PIPE (WVDOH) (MASON) EACH	6" GATE VALVE AND VALVE BOX (WVDOH) (MASON) EACH	10" GATE VALVE AND VALVE BOX (WVDOH) (MASON) EACH	6" FIRE HYDRANT (WVDOH) (MASON) EACH
WW57	21+20	22+81.38	CL		161				
WW58	21+40.23	21+46.33	R/CL	8					
WW59	21+44.26	21+44.26	R				1		
WW60	21+40.23	21+40.23	R						1
WW61	22+79.96	22+79.96	CL					1	
WW62	NOT USED								
WW63	22+81.38	22+81.38	L			13			
TOTALS CARRIED TO WATER WORK GENERAL SUMMARY				8	161	13	1	1	1

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED JAP
CHECKED KAS

WEST VIRGINIA WATER WORK PLAN AND PROFILE STA. 21+20 TO STA. 22+87.88

MEG-33-15.70



NOTES:
1. UPPER LIMIT OF TRENCH RESTORATION IS THE BOTTOM ELEVATION OF NEW ASPHALT RESURFACING COURSE.

2. IN AREAS WHERE THE EXISTING PAVEMENT IS TO REMAIN, AND IS NOT BEING PLANED, THE UPPER LIMIT OF TRENCH RESTORATION IS TO MATCH THE EXISTING PAVEMENT SURFACE ELEVATION. THESE LOCATIONS ARE ON MAIN STREET ℄ STA. 133+17.00 TO STA. 133+50.00, SR 833 ℄ STA. 52+00.00 TO STA. 53+47.00, AND STA. 53+47.00 TO 53+77.00, AND IN WEST VIRGINIA ON WV 62 ℄ STA. 205+00 TO 208+75.00. REFER TO TYPICAL PAVEMENT DETAILS FOR ADDITIONAL INFORMATION.

3. RESTORE PAVEMENTS FOR DRIVES AND SIDEWALKS TO MATCH EXISTING SURFACE.

TRENCH RESTORATION OF SANITARY WORK AND WATER WORK

(COST OF TRENCH RESTORATION TO BE INCLUDED WITH PERTINENT ITEM 603, 638 OR SPECIAL ITEM 690)

DRAWN ALH CHECKED JAP

TRENCH RESTORATION DETAIL

MEG-33-15.70

626 TYPE A AND B BARRIER REFLECTORS

THESE REFLECTORS AND THEIR MOUNTING SHALL CONFORM TO SPECIFICATION 626.

STATION		SIDE	626			
			BARRIER REFLECTORS TYPE A, WHITE	BARRIER REFLECTORS TYPE B, WHITE		
FROM	TO		POMEROY	MASON	UNINC. WV	POMEROY
SR 833						
20+98.75	35+95.02	LT.		10	6	
35+95.02	42+18.45	LT.				11
20+73.75	35+95.02	RT.		10	6	
35+95.02	40+60.00	RT.				6
MAIN ST.						
131+00.06	146+65.00	RT.	12			
145+25.49	149+13.50	RT.	7			
ALLOCATED TOTALS CARRIED TO GEN. SUM.			19	20	12	17
TOTALS CARRIED TO GENERAL SUMMARY			19	49		

1

CORRELATION BETWEEN OHIO AND WEST VIRGINIA ITEMS, SPECIFICATIONS, AND DETAILS:

ITEMS WHICH ARE DESIGNATED AS BOTH "ITEM SPECIAL" AND "(WVDOH)", AS WELL AS DETAILED DRAWINGS SIMILARLY REFERENCED ARE ALL GOVERNED BY WEST VIRGINIA DEPARTMENT OF TRANSPORTATION PUBLICATIONS AS FOLLOWS:

WEST VIRGINIA DIVISION OF HIGHWAYS STANDARD SPECIFICATIONS - ROADS AND BRIDGES ADOPTED 2000. WEST VIRGINIA DIVISION OF HIGHWAYS SUPPLEMENTAL SPECIFICATIONS ISSUED JULY 1, 2001.

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS STANDARD DETAIL DRAWINGS.

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED JGB
CHECKED AM

TRAFFIC CONTROL GENERAL NOTES

MEG-33-15.70

SHEET NUMBER 277	281	283	286	287	287C	287D	307	309	PARTICIPATION Town of Mason, WV	Unincorp. areas (WV)	Village of Pomeroy, OH	ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
																--------------------------------TRAFFIC CONTROL--------------------------------	
			104		192				63	41	192	621	00100	296	EACH	RAISED PAVEMENT MARKER	
19											19	626	00100	19	EACH	BARRIER REFLECTOR, TYPE A	
49									20	12	17	626	00200	49	EACH	BARRIER REFLECTOR, TYPE B	
	262										262	630	02100	262	LIN FT	GROUND MOUNTED SUPPORT, NO. 2 POST	
	265										265	630	03100	265	LIN FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
	238										238	630	80102	238	SQ FT	SIGN, FLAT SHEET, TYPE G	
	8										8	630	80506	8	EACH	SIGN, DOUBLE FACED, STREET NAME, TYPE G	
	33										33	630	84900	33	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
	22										22	630	86002	22	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
			0.64		1.25				0.63	0.01	1.25	642	00102	1.89	MILE	EDGE LINE, TYPE 2	
					0.18						0.18	642	00202	0.18	MILE	LANE LINE, TYPE 2	
			0.46		0.69				0.45	0.01	0.69	642	00302	1.15	MILE	CENTER LINE, TYPE 2	
			1977		1017				1977		1017	644	00400	2994	LIN FT	CHANNELIZING LINE	
					108						108	644	00500	108	LIN FT	STOP LINE	
				176		173			176		173	644	00600	349	LIN FT	CROSSWALK LINE	
				301		359			301		359	644	00700	660	LIN FT	TRANSVERSE LINE	
				25		14			25		14	644	01300	39	EACH	LANE ARROW	
				11		8			11		8	644	01410	19	EACH	WORD, ON PAVEMENT, 96"	
			618						618			644	01500	618	LIN FT	DOTTED LINE, 4"	
		2							2			SPECIAL	69098000	2	EACH	MISC.: INSTALLATION OF REUSABLE SIGN (WVDOH)	277
		26							26			SPECIAL	69098000	26	EACH	MISC.: POST REMOVAL (WVDOH)	277
			182						182			SPECIAL	69098100	182	LIN FT	MISC.: STOP LINE, TYPE V (24") (WVDOH)	277
		237							237			SPECIAL	69098100	237	LIN FT	MISC.: 2.00 LB CHANNEL POST (WVDOH)	277
	10	345							332	13	10	SPECIAL	69098100	355	LIN FT	MISC.: 3.00 LB CHANNEL POST (WVDOH)	277
		68							68			SPECIAL	69098100	68	LIN FT	MISC.: 4.00 LB BACK TO BACK CHANNEL POST (WVDOH)	277
		279							266	13		SPECIAL	69098200	279	SQ FT	MISC.: 0.080 IN FLAT SHEET SIGN (WVDOH)	277
	LUMP	LUMP							LUMP	LUMP	LUMP	SPECIAL	69098400	LUMP		MISC.: FABRICATED STRUCTURAL STEEL (WVDOH)	277
				0.56		0.16			0.33	0.23	0.16	828	10000	0.72	MILE	EDGE LINE	
				0.41		0.16			0.18	0.23	0.16	828	10100	0.57	MILE	LANE LINE	
				0.30		0.08			0.18	0.12	0.08	828	10200	0.38	MILE	CENTER LINE	
				545					545			828	10300	545	LIN FT	CHANNELIZING LINE	
				45					45			828	10600	45	LIN FT	TRANSVERSE LINE	
				3					3			828	20300	3	EACH	LANE ARROW	
				3					3			828	20410	3	EACH	WORD ON PAVEMENT, 96"	
																--------------------------------TRAFFIC SIGNALS--------------------------------	
							20				20	625	25400	20	LIN FT	CONDUIT, 2", 713.04	
							54				54	625	25500	54	LIN FT	CONDUIT, 3", 713.04	
							74				74	625	29000	74	LIN FT	TRENCH	
							4				4	625	30700	4	EACH	PULL BOX, 713.08, 18"	
							5				5	625	32000	5	EACH	GROUND ROD	
							1				1	625	32001	1	EACH	GROUND ROD, AS PER PLAN	305
							7				7	630	79000	7	EACH	SIGN HANGER ASSEMBLY, SPAN WIRE	
							52				52	630	80102	52	SQ FT	SIGN, FLAT SHEET, TYPE G	
							1				1	632	00303	1	EACH	VEHICULAR SIGNAL HEAD, 3 SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN	

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	05-05	SCC

CALCULATED SJ
CHECKED SAO

TRAFFIC CONTROL GENERAL SUMMARY

MEG-33-15.70

SHEET NUMBER												PARTICIPATION			ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
		277	281	283	286	287	307	309				Town of Mason, WV	Unincorp. areas (WV)	Villiage of Pomeroy, OH						
																			----------------------------TRAFFIC SIGNALS (CONT'D.)-------------------------	
							1							1	632	00403	1	EACH	VEHICULAR SIGNAL HEAD, 4 SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN	
							3							3	632	00503	3	EACH	VEHICULAR SIGNAL HEAD, 5 SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN	
							1							1	632	01103	1	EACH	VEHICULAR SIGNAL HEAD, 3 SECTION, 12" LENS, 2-WAY, POLYCARBONATE, AS PER PLAN	
							4							4	632	20101	4	EACH	PEDESTRIAN SIGNAL HEAD, TYPE A2, AS PER PLAN	305
							7							7	632	25000	7	EACH	COVERING OF VEHICULAR SIGNAL HEAD	
							4							4	632	25010	4	EACH	COVERING OF PEDESTRIAN SIGNAL HEAD	
							4							4	632	26001	4	EACH	PEDESTRIAN PUSHBUTTON, AS PER PLAN	305
							6							6	632	26500	6	EACH	DETECTOR LOOP	
							6							6	632	27011	6	EACH	LOOP DETECTOR UNIT, EXTEND CALL - DELAY CALL, AS PER PLAN	305
							367							367	632	30200	367	LIN FT	MESSENGER WIRE, 7 STRAND, 3/8" DIAMETER WITH ACCESSORIES	
							455							455	632	40500	455	LIN FT	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG	
							509							509	632	40700	509	LIN FT	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG	
							4							4	632	64000	4	EACH	STRAIN POLE FOUNDATION	
							1							1	632	64020	1	EACH	PEDESTAL FOUNDATION	
							1034							1034	632	65200	1034	LIN FT	LOOP DETECTOR LEAD-IN CABLE	
							45							45	632	68100	45	LIN FT	POWER CABLE, 3 CONDUCTOR, NO. 6 AWG	
							1							1	632	70001	1	EACH	POWER SERVICE, AS PER PLAN	305
							1							1	632	70400	1	EACH	CONDUIT RISER, 2" DIAMETER	
							4							4	632	82700	4	EACH	STRAIN POLE, TC-81.10, DESIGN 7	
							1							1	632	89700	1	EACH	PEDESTAL, 11'	
							1							1	632	90100	1	EACH	REMOVAL OF TRAFFIC SIGNAL INSTALLATION	
								1				1			632	90101	1	EACH	REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN	305
							1							1	633	38100	1	EACH	CONTROLLER, ACTUATED, 8 PHASE, SOLID STATE	
																			DIGITAL MICROPROCESSOR, MODULAR BY PHASE	
							12							12	633	70500	12	SQ FT	CONTROLLER WORK PAD	
								6				6			SPECIAL	69098000	6	EACH	MISC.: JUNCTION BOX, TYPE H (WVDOH)	277
								34				34			SPECIAL	69098000	34	EACH	MISC.: SIGNAL SECTION, V-12 (WVDOH)	277
								4				4			SPECIAL	69098000	4	EACH	MISC.: SIGNAL SUPPORT, C1 (WVDOH)	277
								6				6			SPECIAL	69098000	6	EACH	MISC.: TRAFFIC DETECTOR, LPS-C (WVDOH)	277
								LUMP				LUMP			SPECIAL	69098400	LUMP		MISC.: MISCELLANEOUS SIGNAL 01 (WVDOH)	277
								LUMP				LUMP			SPECIAL	69098400	LUMP		MISC.: SIGNAL CONTROLLER 01 (WVDOH)	277

NUMBER	REVISION	DATE	BY
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TRAFFIC CONTROL GENERAL SUMMARY

MEG-33-15.70

SHEET NO.	REFERENCE NO.	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)		SIGN, FLAT SHEET, TYPE G	GROUND MOUNTED SUPPORT, NO. 2 POST	GROUND MOUNTED SUPPORT, NO. 2 POST, TYPE S	GROUND MOUNTED SUPPORT, NO. 3 POST			SIGN, DOUBLE FACED	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	3.00 LB CHANNEL POST (WVDOH)	FABRICATED STRUCTURAL STEEL (WVDOH)
								630									SPECIAL	
								SQ FT	LIN FT	LIN FT	LIN FT			EACH	EACH	EACH	LIN FT	LUMP
299	S199	SR 833	36+50.00	RT	R-36L-30	30 x 36		7.5									10.0	LUMP
299	S200	SR 833	41+20.00	RT	N-3-60	60 x 30		12.5			13.2							
											13.0							
299	S201	SR 833	43+50.00	RT	R-31Z-36	36 x 36		9.0			13.5							
299	S202	SR 833	42+40.00	RT	D-1-72	72 x 12		6.0			13.3							
					D-1-72	72 x 12		6.0			13.0							
					D-1-72	72 x 12		6.0										
299	S203	SR 833	44+00.00	LT	W-14-36	36 x 36		9.0			14.6							
					W-143-24	24 x 24		4.0										
299	S204	SR 833	46+75.00	LT	R-10-24	24 x 30		5.0	12.0									
299	S205	SR 833	46+00.00	RT	R-42-36 (MOD)	36 x 36		9.0			13.5							
299	S206	SR 833	47+60.00	LT	D-14-24	24 x 8				10.8				1				
					D-14-24	24 x 8								1				
299	S207	SR 833	47+15.00	RT	R-3L-24	24 x 36		6.0	13.5									
299	S208	MAIN ST.	149+00.00	RT	R-94-24 (MOD)	24 x 36		6.0			16.0							
299	S209	SR 833	47+60.00	RT	W-28-24	24 x 24		4.0	14.0									
299	S210	SR 833	48+40.00	RT	D-14-24	24 x 8				11.8				1				
					D-14-24	24 x 8								1				
299	S212	SR 833	48+65.00	LT	R-42-36 (MOD)	36 x 36		9.0			12.7							
299	S213	SR 833	49+50.00	RT	R-10-24	24 x 30		5.0	13.0									
299	S214	SR 833	50+65.00	RT	M-37-24	24 x 12		2.0			13.5							
					M-2-24-3	30 x 24		5.0										
299	S215	SR 833	51+80.00	LT	D-1-72	72 x 12		6.0			14.8							
					D-1-72	72 x 12		6.0			12.5							
299	S216	SR 833	50+80.00	LT	R-310-36	36 x 36		9.0			12.7							
301	S218	MAIN ST.	131+50.00	LT	R-10-24	24 x 30		5.0	13.0									
301	S219	MAIN ST.	134+00.00	RT	R-10-24	24 x 30		5.0	13.5									
301	S220	MAIN ST.	132+73.00	LT	D-14-24	24 x 8				12.1				1				
					D-14-24	24 x 8								1				
301	S221	LIBERTY LN.	9+56.00	RT	R-1-30	30 x 30		6.3	13.5									
301	S222	MAIN ST.	136+03.00	LT	D-14-24	24 x 8				12.3				1				
					D-14-24	24 x 8								1				
301	S223	W. MAIN ST.	10+46.00	RT	R-1-30	30 x 30		6.3	13.5									
301	S224	FLOOD RUN ST.	19+55.00	RT	R-1-30	30 x 30		6.3	13.5									
301	S225	W. MAIN ST.	11+40.00	RT	W-48-30	30 x 30		6.3	13.0									
302	S226	MAIN ST.	145+00.00	RT	M-38-24	24 x 12		2.0			14.3							
					M-37-24	24 x 12		2.0			15.8							
					M-2-24-3	30 x 24		5.0										
					M-2-24-3	30 x 24		5.0										
					M-19-21	21 x 15		2.2										
					M-21-21	21 x 15		2.2										
302	S227	MAIN ST.	143+90.00	RT	W-14-30	30 x 30		6.3			15.1							
					W-143-18	18 x 18		2.3										
302	S228	MAIN ST.	146+00.00	RT	D-1-72	72 x 12		6.0	12.0									
									14.0									
302	S229	MAIN ST.	146+50.00	LT	R-10-24	24 x 30		5.0	15.5									
302	S230	MAIN ST.	146+70.00	RT	R-31F-36	36 x 30		7.5	13.3									
									14.3									
302	S231	MAIN ST.	148+45.00	LT	R-94-24 (MOD)	24 x 36		6.0			16.0							
299	S232	MAIN ST.	149+05.00	RT	R-3L-24	24 x 36		6.0			14.0							
299	S233	MAIN ST.	149+12.00	RT	W-76AP-30	30 x 30		6.3	13.0									
299	S234	SR 833	46+12.00	LT	M-38-24	24 x 12		2.0			13.5							
					M-2-24-3	30 x 24		5.0										
TOTALS CARRIED TO SHEET NO. 281								238.0	214.6	47.0	265.0			8			10.0	LUMP

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OHIO SIGNING SUBSUMMARY

MEG-33-15.70

280
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SHEET NO.	REFERENCE NO.	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)	650										SPECIAL		
								SIGN, FLAT SHEET, TYPE G	GROUND MOUNTED SUPPORT, NO. 2 POST	GROUND MOUNTED SUPPORT, NO. 2 POST, TYPE S	GROUND MOUNTED SUPPORT, NO. 3 POST			SIGN, DOUBLE FACED	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	3.00 LB CHANNEL POST (WVDOH)	FABRICATED STRUCTURAL STEEL (WVDOH)	
								SQ FT	LIN FT	LIN FT	LIN FT			EACH	EACH	EACH	LIN FT	LUMP	
299	S35	SR 833	50+37.31	RT	R-41B										1	1			
299	S36	SR 833	51+00.00	RT	R-1										1	1			
					R-41B										1				
301	S40	LIBERTY LN.	9+64.12	LT	R-1-30										1	1			
301	S41	MAIN ST.	133+16.46	LT	D-14										1	1			
					D-14										1				
301	S44	MAIN ST.	134+45.95	LT	D-14										1	1			
					D-14										1				
					M-2										1	1			
					M-17										1				
301	S45	MAIN ST.	135+71.85	RT	R-94										1	1			
301	S49	W. MAIN ST.	11+46.22	RT	D-1-56										1	2			
302	S53	MAIN ST.	139+98.35	LT	R-10-24										1	1			
299	S54	MAIN ST.	140+98.33	LT	R-94										1	1			
299	S55	MAIN ST.	141+60.23	LT	D-1-56										1	2			
					D-1-56										1				
					D-1-56										1				
					M-1-24-2										1				
					M-24-21										1				
					R-42-24										1				
299	S56	MAIN ST.	141+71.02	LT	M-1-24-2										1	1			
					M-24L-21										1				
299	S57	MAIN ST.	141+41.58	LT	M-39-24										1	1			
					M-1-24-2										1				
299	S58	MAIN ST.	141+98.31	RT	R-3L-24										1	1			
299	S60	MAIN ST.	143+50.51	RT	M-1-24-2										1	1			
					M-40-24										1				
299	S61	MAIN ST.	143+47.76	LT	R-10-24										1	1			
299	S62	MAIN ST.	144+62.02	RT	R-10-24										1	1			
299	S63	MAIN ST.	145+46.24	LT	M-1-24-2										1	1			
					M-21-21										1				
299	S67	MAIN ST.	147+69.98	LT	D-1-56										1	2			
					D-1-56										1				
TOTALS THIS SHEET															33	22	0	0	
TOTALS FROM SHEET NO. 280								238.0	214.6	47.0	265.0			8	0	0	10.0	LUMP	
GRAND TOTALS								238.0	214.6	47.0	265.0			8	33	22	10.0	LUMP	
TOTALS CARRIED TO GENERAL SUMMARY								238.0	261.6		265.0			8	33	22	10.0	LUMP	

NUMBER	REVISION	DATE	BY
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OHIO SIGNING SUBSUMMARY

MEG-33-15.70

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ASSEMBLY NO.	SIGN NO.	PROPOSED STATION	EXISTING STATION	LAYOUT SHEET NO.	DETAIL SHEET NO.	SIGN DISPOSITION *	SIZE (INCHES) LENGTH	SIZE (INCHES) HEIGHT	SPECIAL MASON 0.08 IN FLAT SHEET SIGN (WVDOH) SQ FT	UNINC. 0.08 IN FLAT SHEET SIGN (WVDOH) SQ FT		MASON 2.00 LB CHANNEL POST (WVDOH) LIN FT	MASON 3.00 LB CHANNEL POST (WVDOH) LIN FT	UNINC. 3.00 LB CHANNEL POST (WVDOH) LIN FT	MASON 4.00 LB BACK TO BACK CHANNEL POST (WVDOH) LIN FT	MASON FABRICATED STRUCTURAL STEEL (WVDOH), LUMP SUM	UNINC. FABRICATED STRUCTURAL STEEL (WVDOH), LUMP SUM			MASON INSTALLATION OF REUSABLE SIGN (WVDOH) EACH	MASON POST REMOVAL (WVDOH) EACH
S1	R-3IM-48	16+50.00		296		NEW	48	30	10.00			13.4/13.1									
S2	M-24L-21	19+25.00		296		NEW	21	15	2.19				16.0								
	MI-6					NEW	24	24	4.00				17.0								
	M-39-24					NEW	24	12	2.00												
	M-24R-21					NEW	21	15	2.19												
	MI-6					NEW	24	24	4.00												
	M-38-24					NEW	24	12	2.00												
S3	DI-2	19+25.00		296	292	NEW	102	30	21.25			12.5/13.5/14.5									
S4	M-2-24-3	21+00.00		296		NEW	30	24	5.00				14.5								
	M-37-24 1					NEW	24	12	2.00												
S5			21+27.91	296		R & D															2
S6	R-10-24	21+00.00		296		NEW	24	30	5.00				14.6								
S7	R-3L-24		20+92.02	296		R & D															1
S8			209+39.51	296		I.R.S.						13.5/12.6								1	2
S9	R-3IM-48	210+00.00		303		NEW	48	30	10.00			14.5/15.2									
S10	M-39-24, M-1-24, M-21-21		24+73.17	297		R & D															
	M-38-24, MI-6, M-19-21					R & D															
S11	M-17-24, MI-6		25+97.46	297		R & D															
S12	W-82-30	212+00.00		296		NEW	30	30	6.25				14.7								
S13	NOT USED																				
S14	R-10-24		212+75.00	296		R & D															1
S15	W-82-30		213+53.55	296		R & D															1
S16	W-81-30		215+49.10	296		R & D															1
S17	M-39-24	215+75.00		296		NEW	24	12	2.00				14.9								
	MI-6					NEW	24	24	4.00												
S18	NOT USED																				
S19	WVSTLN2	21+09.00		297	292A	NEW	60	30	12.50				15.1/13.6								
S20	M-39-24	24+44.25		297	290	NEW	24	12	2.00				11.3/11.3			LUMP					
	M-21-21					NEW	21	15	2.19												
	MI-6					NEW	24	24	4.00												
	M-38-24					NEW	24	12	2.00												
	MI-6					NEW	24	24	4.00												
	M19-21					NEW	21	15	2.19												
S21	NOT USED																				
S22	M-17-24	27+50.00		297	290	NEW	24	12	2.00				10.0			LUMP					
	MI-6					NEW	24	24	4.00												
S23	R-3IM-48	29+00.00		298	290	NEW	48	30	10.00				9.5/9.5			LUMP					
S24	W-13-36 1	34+50.00		298	291	NEW	36	36		9.00	1			13.2	1		LUMP				
	W-143-24					NEW	24	24		4.00											
S68	R-10-24	205+28		303		NEW	24	30	5.00				14.0								
S69	NOT USED																				
S70	W-78-24		205+67.68	303		R & D															1
	R-10-24					R & D															
	S4-2					R & D															
S71	S4-3A	205+70.00		303		NEW	24	38	6.33				16.7								
	S4-2					NEW	24	10	1.67												
S72	D2-1		206+16	303		R & D															2
S73	D2-1	206+16		303	293	NEW	84	18	10.50			12.9/12.8/12.7									
S74	D-11A-60	206+35		303	294	NEW	66	30	13.75				14.3/13.6								
S75	D-11A-60		206+40.76	303		R & D															2
S76	M-38-24	206+90		303		NEW	24	12	2.00				14.7								
	MI-6					NEW	24	24	4.00												
S77	M-37-24 1	211+00		303		NEW	24	12	2.00						16.9						
	M-2-24-3					NEW	30	24	5.00						17.5						
	M6-1					NEW	21	15	2.19												
	M3-2					NEW	24	12	2.00												
	MI-6					NEW	24	24	4.00												
	M6-3					NEW	21	15	2.19												
TOTALS CARRIED TO SHEET NO. 283									187	13	1	161.2	245.3	13.2 1	34.4	LUMP	LUMP			1	13

* SIGN DISPOSITION:
NEW - NEW SIGN
R & D - REMOVE AND DISCARD
I.R.S. - INSTALL REUSED SIGN

REVISION NUMBER	REVISION	DATE	BY
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WEST VIRGINIA SIGNING SUBSUMMARY

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WEST VIRGINIA SIGNING SUBSUMMARY

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* SIGN DISPOSITION:
NEW - NEW SIGN
R & D - REMOVE AND DISCARD
I.R.S. - INSTALL REUSED SIGN

ASSEMBLY NO.	SIGN NO.	PROPOSED STATION	EXISTING STATION	LAYOUT SHEET NO.	DETAIL SHEET NO.	SIGN DISPOSITION *	SIZE (INCHES) LENGTH	SIZE (INCHES) HEIGHT	SPECIAL MASON 0.08 IN FLAT SHEET SIGN (WVDOH) SQ FT	UNINC. 0.08 IN FLAT SHEET SIGN (WVDOH) SQ FT		MASON 2.00 LB CHANNEL POST (WVDOH) LIN FT	MASON 3.00 LB CHANNEL POST (WVDOH) LIN FT	UNINC. 3.00 LB CHANNEL POST (WVDOH) LIN FT	MASON 4.00 LB BACK TO BACK CHANNEL POST (WVDOH) LIN FT	MASON FABRICATED STRUCTURAL STEEL (WVDOH), LUMP SUM	UNINC. FABRICATED STRUCTURAL STEEL (WVDOH), LUMP SUM			MASON INSTALLATION OF REUSABLE SIGN (WVDOH) EACH	MASON POST REMOVAL (WVDOH) EACH
S78	W3-3		208+93.30	303		R & D															1
S79	NOT USED																				
S80	NOT USED																				
S81	R-310-30	210+00		303		NEW	30	30	6.25				15.1								
S82	W-78-24		211+29.09	303		R & D															1
	R-10-24					R & D															
	S4-2					R & D															
S83	S4-3a	211+29		303		NEW	24	38	6.33				16.8								
	S4-2					NEW	24	10	1.67												
S84	M-38-24		211+73.48	303		R & D															1
	M1-6					R & D															
S85	R-3L-24	211+94.04		303		NEW	24	36	6.00				15.6								
S86	NOT USED																				
S87	NOT USED																				
S88	NOT USED																				
S89	NOT USED																				
S90	M-40-24		214+21.18	304		R & D															1
	M-1-24-2					R & D															
S91	NOT USED																				
S92	NOT USED																				
S93	M-38-24		214+75.88	304		R & D															1
	M1-6					R & D															
	M-26-21					R & D															
	M-40-24					R & D															1
	M-1-24-2					R & D															
	M-24R-21					R & D															
S94	M-38-24	214+76		304		NEW	24	12	2.00						17.4						
	M1-6					NEW	24	24	4.00						16.2						
	M-26-21					NEW	21	15	2.19												
	M-37-24 1					NEW	24	12	2.00												
	M-2-24-3					NEW	30	24	5.00												
	M-24R-21					NEW	21	15	2.19												
S95	W-81-30	215+48.72		304		NEW	30	30	4.69				13.7								
S96	NOT USED																				
S97	D-3		217+00.72	304		R & D															1
S98	D-3	217+00		304		I.R.S.	60	8				13.0/14.0								1	
S99	R-31M-48	218+10		304		NEW	48	30	10.00				12.7/12.7								
S100	D1-2		219+27.46	304		R & D															3
S101	D1-2	219+27.46		304		NEW	102	30	21.25			12.0/12.1/12.2									
S102	M-38-24		214+36.28	304		R & D															1
	M-1-24-2					R & D															
	M-24L-21					R & D															
	M-38-24					R & D															1
	M1-6					R & D															
	M-24R-21					R & D															
S103	NOT USED																				
S104	R-10-24		217+06.19	304		R & D															1
S105	R-10-24	217+07.02		304		NEW	24	30	5.00			12.4									
TOTALS THIS SHEET									79	1		75.7	86.6	1	33.6					1	13
TOTALS FROM SHEET NO. 282									187	13		161.2	245.3	13.2	34.4	LUMP	LUMP			1	13
GRAND TOTALS									266	13		236.9	331.9	13.2	68.0	LUMP	LUMP			2	26
ALLOCATED TOTALS CARRIED TO GENERAL SUMMARY									266	13		237	332	13	68	LUMP	LUMP			2	26
TOTALS CARRIED TO GENERAL SUMMARY									279			237	345		68	LUMP				2	26

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SEE SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	SIDE	621 RAISED PAVEMENT MARKER, TWO-WAY, YELLOW (EACH) POMEROY	UNINC-WV	MASON	621 RAISED PAVEMENT MARKER, ONE-WAY, WHITE (EACH) POMEROY	UNINC-WV	MASON	621 RAISED PAVEMENT MARKER, TWO-WAY, RED/WHITE (EACH) POMEROY	UNINC-WV	MASON	642 EDGE LINE, TYPE 2 (WHITE) (LINEAR FEET) POMEROY	UNINC-WV	MASON	642 CENTER LINE, TYPE 2 (DOUBLE SOLID) (LINEAR FEET) POMEROY	UNINC-WV	MASON	642 LANE LINE, TYPE 2 (WHITE) (L. F.) POMEROY	644 DOTTED LINE, 4" (WHITE) (L. F.) MASON	644 CHANNELIZING LINE (LINEAR FEET) POMEROY	MASON	644 STOP LINE (L. F.) POMEROY	SPECIAL STOP LINE, TYPE V (24") (L. F.) MASON	
296	DL1	WAL-MART DRIVE	16 + 84.62	17 + 80.62	RT.																	98					
303	DL2	WV 62	207 + 23.29	207 + 66.14	CL/RT																	74					
303	DL3	WV 62	207 + 79.57	208 + 20.55	RT/CL																	72					
304	DL4	WV 62	215 + 65.86	217 + 79.20	RT.																	214					
304	DL5	WV 62	217 + 79.20	219 + 83.30	CL/LT																	160					
297	LL1	SR 833	22 + 91.32	35 + 95.02	LT								7	10													
297	LL2	SR 833	26 + 95.93	35 + 95.02	RT.								8	4													
296	CL1	WAL-MART DRIVE	17 + 80.62	19 + 04.62	CL															124							
297	CL2	SR 833	20 + 63.00	25 + 15.93	RT.			7												168							
297	CL3	SR 833	26 + 95.93	35 + 95.02	CL		11	3																			
303	CL6	WV 62	205 + 00.00	205 + 59.88	CL														23	37							
304	CL7	WV 62	213 + 84.00	219 + 59.60	RT/CL															576							
296	CH1	WAL-MART DRIVE	17 + 80.62	19 + 34.62	RT.																			154			
296	CH2	WAL-MART DRIVE	17 + 80.62	19 + 34.62	RT.																			154			
		WAL-MART DRIVE	18 + 54.62		RT.																						
		WAL-MART DRIVE	18 + 22.62		RT.																						
		WAL-MART DRIVE	17 + 82.62		RT.																						
297	CH3	SR 833	20 + 43.00	22 + 91.32	LT.									5										88			
297	CH4	SR 833	20 + 43.00	25 + 16.32	CL									9										88			
		SR 833	21 + 13.00		LT/RT																						
		SR 833	21 + 45.00		LT/RT																						
		SR 833	21 + 85.00		LT/RT																						
303	CH10	WV 62	208 + 19.77	209 + 94.77	CL																			175			
		WV 62	208 + 25.00		LT/RT																						
		WV 62	208 + 97.00		LT/RT																						
		WV 62	209 + 85.00		LT/RT																						
303	CH11	WV 62	209 + 94.04	212 + 48.00	RT.																			254			
303	CH12	WV 62	210 + 94.04	212 + 48.00	RT.																			154			
		WV 62	210 + 06.00		RT.																						
		WV 62	211 + 46.00		RT.																						
TOTALS CARRIED TO SHEET NO. 286						0	11	10	0	0	0	0	15	28	0	0	0	0	23	905	0	618	0	1067	0	0	

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	05-05	SCC

CALCULATED ALH
CHECKED AM

WEST VIRGINIA PAVEMENT MARKING SUBSUMMARY

MEG-33-15.70

...\Traffic\ak TS005.DGN 5/18/2006 9:40:33 AM

WEST VIRGINIA PAVEMENT MARKING SUBSUMMARY

SEE SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	SIDE	644 CROSSWALK LINE (LINEAR FEET) POMEROY	644 CROSSWALK LINE (LINEAR FEET) MASON	644 LANE ARROW (EACH) POMEROY	644 LANE ARROW (EACH) MASON	644 WORD "ONLY" ON PAVEMENT, 96" (EACH) POMEROY	644 WORD "ONLY" ON PAVEMENT, 96" (EACH) MASON	644 TRANSVERSE LINE (YELLOW) (L.F.) MASON	828 EDGE LINE (WHITE) (LINEAR FEET) POMEROY	828 EDGE LINE (WHITE) (LINEAR FEET) UNINC. WV	828 EDGE LINE (WHITE) (LINEAR FEET) MASON	828 CENTER LINE (DOUBLE SOLID) (LINEAR FEET) POMEROY	828 CENTER LINE (DOUBLE SOLID) (LINEAR FEET) UNINC. WV	828 CENTER LINE (DOUBLE SOLID) (LINEAR FEET) MASON	828 CHANNELIZING LINE (L.F.) MASON	828 LANE LINE (WHITE) (LINEAR FEET) POMEROY	828 LANE LINE (WHITE) (LINEAR FEET) UNINC. WV	828 LANE LINE (WHITE) (LINEAR FEET) MASON	828 LANE ARROW (EACH) MASON	828 WORD "ONLY" ON PAVEMENT, 96" (EACH) MASON	828 TRANSVERSE LINE (YELLOW) (L.F.) MASON
296	DL1	WAL-MART DRIVE	16 + 84.62	17 + 80.62	RT.																				
303	DL2	WV 62	207 + 23.29	207 + 66.14	CL/RT																				
303	DL3	WV 62	207 + 79.57	208 + 20.55	RT/CL																				
304	DL4	WV 62	215 + 65.86	217 + 79.20	RT.																				
304	DL5	WV 62	217 + 79.20	219 + 83.30	CL/LT																				
297	LL1	SR 833	22 + 91.32	35 + 95.02	LT																617	687			
297	LL2	SR 833	26 + 95.93	35 + 95.02	RT.																617	282			
296	CL1	WAL-MART DRIVE	17 + 80.62	19 + 04.62	CL																				
297	CL2	SR 833	20 + 63.00	25 + 15.93	RT.													285							
297	CL3	SR 833	26 + 95.93	35 + 95.02	CL												617	282							
303	CL6	WV 62	205 + 00.00	205 + 59.88	CL																				
304	CL7	WV 62	213 + 84.00	219 + 59.60	RT/CL																				
296	CH1	WAL-MART DRIVE	17 + 80.62	19 + 34.62	RT.																				
296	CH2	WAL-MART DRIVE	17 + 80.62	19 + 34.62	RT.																				
		WAL-MART DRIVE	18 + 54.62		RT.				3																
		WAL-MART DRIVE	18 + 22.62		RT.						3														
		WAL-MART DRIVE	17 + 82.62		RT.				3																
297	CH3	SR 833	20 + 43.00	22 + 91.32	LT.														160						
297	CH4	SR 833	20 + 43.00	25 + 16.32	CL														385						
		SR 833	21 + 13.00		LT/RT				3																
		SR 833	21 + 45.00		LT/RT																			3	
		SR 833	21 + 85.00		LT/RT																		3		
303	CH10	WV 62	208 + 19.77	209 + 94.77	CL																				
		WV 62	208 + 25.00		LT/RT				2																
		WV 62	208 + 97.00		LT/RT						2														
		WV 62	209 + 85.00		LT/RT				2																
303	CH11	WV 62	209 + 94.04	212 + 48.00	RT.																				
303	CH12	WV 62	210 + 94.04	212 + 48.00	RT.																				
		WV 62	210 + 06.00		RT.				3																
		WV 62	211 + 46.00		RT.						3														
TOTALS CARRIED TO SHEET NO. 287						0	0	0	16	0	8	0	0	0	0	0	617	567	545	0	1234	969	3	3	0

REVISION NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	05-05	SCC

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MEG-33-15.70

285
582

...\Traffic\ak TS006.DGN 5/18/2006 9:40:35 AM

SEE SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	SIDE	621 RAISED PAVEMENT MARKER, TWO-WAY, YELLOW (EACH) POMEROY	UNINC-WV	MASON	621 RAISED PAVEMENT MARKER, ONE-WAY, WHITE (EACH) POMEROY	UNINC-WV	MASON	621 RAISED PAVEMENT MARKER, TWO-WAY, RED/WHITE (EACH) POMEROY	UNINC-WV	MASON	642 EDGE LINE, TYPE 2 (WHITE) (LINEAR FEET) POMEROY	UNINC-WV	MASON	642 CENTER LINE, TYPE 2 (DOUBLE SOLID) (LINEAR FEET) POMEROY	UNINC-WV	MASON	642 LANE LINE, TYPE 2 (WHITE) (L. F.) POMEROY	644 DOTTED LINE, 4" (WHITE) (L. F.) MASON	644 CHANNELIZING LINE (LINEAR FEET) POMEROY	MASON	644 STOP LINE (L. F.) POMEROY	SPECIAL STOP LINE, TYPE V (24") (L. F.) MASON
		WV 62	211 + 78.00		RT.																					
304	CH13	WV 62	213 + 62.00	215 + 65.86	RT.																			204		
304	CH14	WV 62	213 + 62.00	217 + 79.20	CL																			417		
		WV 62	214 + 34.00		LT/RT																					
		WV 62	214 + 66.00		LT/RT																					
		WV 62	215 + 06.00		LT/RT																					
303	CH15	WV 62 / SR 833	210 + 29.04	20 + 85.04	LT																			289		
296	EW1	WAL-MART / WV 62	16 + 30.85	212 + 18.19	LT.												387									
296	EW2	WAL-MART / WV 62	16 + 30.85	214 + 15.86	RT.												379									
297	EW3	WV 62 / SR 833	211 + 94.04	35 + 95.02	LT.					8	10						163									
297	EW4	WV 62 / SR 833	213 + 95.36	35 + 95.02	RT.					7	10						162									
303	EW13	WV 62	205 + 00.00	211 + 97.18	LT.											24	674									
303	EW14	WV 62	205 + 00.00	212 + 18.19	RT.											21	699									
304	EW15	WV 62	214 + 15.86	219 + 54.90	RT.												540									
304	EW16	WV 62	213 + 95.36	217 + 00.00	LT.												305									
296	SL1	WAL-MART DRIVE	19 + 04.62		RT.																					12
		WAL-MART DRIVE	19 + 34.62		RT.																					44
297	SL2	SR 833	20 + 43.00		LT																					34
		SR 833	20 + 63.00		RT.																					12
304	SL6	WV 62	212 + 28.00		RT.																					12
		WV 62	212 + 48.00		RT.																					24
304	SL7	WV 62	213 + 62.00		LT/RT																					32
		WV 62	213 + 84.00		RT.																					12
304	CW1	WV 62	213 + 50.43		CL																					
296	IM1	WAL-MART DRIVE	16 + 30.85	17 + 80.62	CL															303						
297	IM2	SR 833	25 + 16.32	26 + 95.93	CL			5																		
303	IM3	WV 62	205 + 59.88	207 + 34.50	CL															360						
303	IM4	WV 62	208 + 06.11	212 + 28.00	CL															787						
TOTALS THIS SHEET						0	0	5	0	15	20	0	0	0	0	45	3309	0	0	1450	0	0	0	910	0	182
TOTALS FROM SHEET NO. 284						0	11	10	0	0	0	0	15	28	0	0	0	0	23	905	0	618	0	1067	0	0
GRAND TOTALS						0	11	15	0	15	20	0	15	28	0	45	3309	0	23	2355	0	618	0	1977	0	182
ALLOCATED TOTALS CARRIED TO GENERAL SUMMARY						0	11	15	0	15	20	0	15	28	0 MI	0.01 MI	0.63 MI	0 MI	0.01 MI	0.45 MI	0 MI	618	0	1977	0	182
TOTALS CARRIED TO GENERAL SUMMARY						104									0.64 MI			0.46 MI			0 MI	618	1977		0	182

WEST VIRGINIA PAVEMENT MARKING SUBSUMMARY

MEG-33-15.70

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	05-05	SCC

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...\Traffic\ak TS007.DGN 5/18/2006 9:40:36 AM

SEE SHEET NO.	REFERENCE NO.	LOCATION	STATION		SIDE	644							828												
						CROSSWALK LINE		LANE ARROW		WORD "ONLY" ON PAVEMENT, 96"		TRANSVERSE LINE (YELLOW)	EDGE LINE (WHITE)			CENTER LINE (DOUBLE SOLID)			CHANNELIZING LINE	LANE LINE (WHITE)			LANE ARROW	WORD "ONLY" ON PAVEMENT, 96"	TRANSVERSE LINE (YELLOW)
						LINEAR FEET		EACH		EACH		L.F.	LINEAR FEET			LINEAR FEET			L.F.	LINEAR FEET			EACH	EACH	L.F.
			FROM	TO		POMEROY	MASON	POMEROY	MASON	POMEROY	MASON	MASON	POMEROY	UNINC. WV	MASON	POMEROY	UNINC. WV	MASON	MASON	POMEROY	UNINC. WV	MASON	MASON	MASON	MASON
		WV 62	211 + 78.00		RT.				3																
304	CHI3	WV 62	213 + 62.00	215 + 65.86	RT.																				
304	CHI4	WV 62	213 + 62.00	217 + 79.20	CL																				
		WV 62	214 + 34.00		LT/RT				3																
		WV 62	214 + 66.00		LT/RT						3														
		WV 62	215 + 06.00		LT/RT				3																
303	CHI5	WV 62 / SR 833	210 + 29.04	20 + 85.04	LT																				
296	EW1	WAL-MART / WV 62	16 + 30.85	212 + 18.19	LT.																				
296	EW2	WAL-MART / WV 62	16 + 30.85	214 + 15.86	RT.																				
297	EW3	WV 62 / SR 833	211 + 94.04	35 + 95.02	LT.									617	868										
297	EW4	WV 62 / SR 833	213 + 95.36	35 + 95.02	RT.									617	858										
303	EW13	WV 62	205 + 00.00	211 + 97.18	LT.																				
303	EW14	WV 62	205 + 00.00	212 + 18.19	RT.																				
304	EW15	WV 62	214 + 15.86	219 + 54.90	RT.																				
304	EW16	WV 62	213 + 95.36	217 + 00.00	LT.																				
296	SL1	WAL-MART DRIVE	19 + 04.62		RT.																				
		WAL-MART DRIVE	19 + 34.62		RT.																				
297	SL2	SR 833	20 + 43.00		LT																				
		SR 833	20 + 63.00		RT.																				
304	SL6	WV 62	212 + 28.00		RT.																				
		WV 62	212 + 48.00		RT.																				
304	SL7	WV 62	213 + 62.00		LT/RT																				
		WV 62	213 + 84.00		RT.																				
304	CW1	WV 62	213 + 50.43		CL		176																		
296	IM1	WAL-MART DRIVE	16 + 30.85	17 + 80.62	CL							98													
297	IM2	SR 833	25 + 16.32	26 + 95.93	CL													362							45
303	IM3	WV 62	205 + 59.88	207 + 34.50	CL							85													
303	IM4	WV 62	208 + 06.11	212 + 28.00	CL							118													
TOTALS THIS SHEET						0	176	0	9	0	3	301	0	1234	1726	0	0	362	0	0	0	0	0	0	45
TOTALS FROM SHEET NO. 285						0	0	0	16	0	8	0	0	0	0	0	617	567	545	0	1234	969	3	3	0
GRAND TOTALS						0	176	0	25	0	11	301	0	1234	1726	0	617	929	545	0	1234	969	3	3	45
ALLOCATED TOTALS CARRIED TO GENERAL SUMMARY						0	176	0	25	0	11	301	0 MI	0.23 MI	0.33 MI	0 MI	0.12 MI	0.18 MI	545	0 MI	0.23 MI	0.18 MI	3	3	45
TOTALS CARRIED TO GENERAL SUMMARY						176		25		11		301	0.56 MI			0.30 MI			545	0.41 MI			3	3	45

REVISION NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	05-05	SCC

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WEST VIRGINIA PAVEMENT MARKING SUBSUMMARY

MEG-33-15.70

...\Traffic\ak TS008.DGN 5/18/2006 9:40:37 AM

SEE SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	SIDE	621 RAISED PAVEMENT MARKER, TWO-WAY, YELLOW (EACH)			621 RAISED PAVEMENT MARKER, ONE-WAY, WHITE (EACH)			621 RAISED PAVEMENT MARKER, TWO-WAY, RED/WHITE (EACH)			642 EDGE LINE, TYPE 2 (WHITE) (LINEAR FEET)			642 CENTER LINE, TYPE 2 (DOUBLE SOLID) (LINEAR FEET)			642 LANE LINE, TYPE 2 (WHITE) (L. F.)	642 DOTTED LINE, 4" (WHITE) (L. F.)	644 CHANNELIZING LINE (LINEAR FEET)		644 STOP LINE (L. F.)	SPECIAL STOP LINE, TYPE V (24") (L. F.)
						POMEROY	UNINC-WV	MASON	POMEROY	UNINC-WV	MASON	POMEROY	UNINC-WV	MASON	POMEROY	UNINC-WV	MASON	POMEROY	UNINC-WV	MASON	POMEROY	MASON	POMEROY	MASON	POMEROY	MASON
299	LL20	SR 833	35 + 95.02	40 + 08.00	LT.							5														
299	LL21	SR 833	40 + 08.00	47 + 40.00	LT.							9									732					
299	LL22	SR 833	35 + 95.02	40 + 08.00	RT.							5														
299	LL23	SR 833	40 + 08.00	42 + 40.00	RT.							3									232					
299	CL20	SR 833	35 + 95.02	40 + 08.00	CL																					
299	CL21	SR 833	40 + 08.00	47 + 40.00	CL													732								
299	CL22	SR 833	48 + 40.00	53 + 95.00	CL													555								
299	CL23	MAIN STREET	136 + 53.00	149 + 05.00	CL													1252								
301	CL24	MAIN STREET	133 + 20.00	136 + 10.00	CL													290								
301	CL25	MAIN STREET	131 + 00.00	132 + 82.00	CL													182								
301	CL26	W MAIN STREET	10 + 46.00	11 + 00.00	CL													54								
301	CL27	LIBERTY STREET	9 + 36.00	9 + 56.00	CL													20								
299	CL20,21	SR 833	35 + 95.02	47 + 40.00	CL	38																				
299	CL22	SR 833	48 + 40.00	53 + 95.00	CL	11																				
299	CL23,25	MAIN SREET	131 + 00.00	149 + 05.00	CL	35																				
299	CH20	SR 833	43 + 47.00	47 + 40.00	RT.							10											393			
299	CH21	SR 833	48 + 40.00	50 + 80.00	RT.							6											240			
299	CH22	MAIN STREET	146 + 80.00	149 + 05.00	RT.							6											225			
299	CH23	ISLAND	47 + 20.00	47 + 75.00	RT.																		159			
TOTALS CARRIED TO SHEET NO. 287C						84	0	0	0	0	0	44	0	0	0	0	0	3085	0	0	964	0	1017	0	0	0

REVISION: NUMBER 1 — OHIO REALIGNMENT — DATE 05-05 — BY SCC

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OHIO PAVEMENT MARKING SUBSUMMARY

MEG-33-15.70

287A / 582

...\Traffic\ak TS008A.dgn 5/18/2006 9:40:38 AM

SEE SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	SIDE	644 CROSSWALK LINE (LINEAR FEET) POMEROY	644 CROSSWALK LINE (LINEAR FEET) MASON	644 LANE ARROW (EACH) POMEROY	644 LANE ARROW (EACH) MASON	644 WORD "ONLY" ON PAVEMENT, 96" (EACH) POMEROY	644 WORD "ONLY" ON PAVEMENT, 96" (EACH) MASON	644 TRANSVERSE LINE (YELLOW) (L.F.) MASON	828 EDGE LINE (WHITE) (LINEAR FEET) POMEROY	828 EDGE LINE (WHITE) (LINEAR FEET) UNINC. WV	828 EDGE LINE (WHITE) (LINEAR FEET) MASON	828 CENTER LINE (DOUBLE SOLID) (LINEAR FEET) POMEROY	828 CENTER LINE (DOUBLE SOLID) (LINEAR FEET) UNINC. WV	828 CENTER LINE (DOUBLE SOLID) (LINEAR FEET) MASON	828 CHANNELIZING LINE (L.F.) MASON	828 LANE LINE (WHITE) (LINEAR FEET) POMEROY	828 LANE LINE (WHITE) (LINEAR FEET) UNINC. WV	828 LANE LINE (WHITE) (LINEAR FEET) MASON	828 LANE ARROW (EACH) MASON	828 WORD "ONLY" ON PAVEMENT, 96" (EACH) MASON	828 TRANSVERSE LINE (YELLOW) (L.F.) MASON
299	LL20	SR 833	35 + 95.02	40 + 08.00	LT.															413					
299	LL21	SR 833	40 + 08.00	47 + 40.00	LT.																				
299	LL22	SR 833	35 + 95.02	40 + 08.00	RT.															413					
299	LL23	SR 833	40 + 08.00	42 + 40.00	RT.																				
299	CL20	SR 833	35 + 95.02	40 + 08.00	CL											413									
299	CL21	SR 833	40 + 08.00	47 + 40.00	CL																				
299	CL22	SR 833	48 + 40.00	53 + 95.00	CL																				
299	CL23	MAIN STREET	136 + 53.00	149 + 05.00	CL																				
301	CL24	MAIN STREET	133 + 20.00	136 + 10.00	CL																				
301	CL25	MAIN STREET	131 + 00.00	132 + 82.00	CL																				
301	CL26	W MAIN STREET	10 + 46.00	11 + 00.00	CL																				
301	CL27	LIBERTY STREET	9 + 36.00	9 + 56.00	CL																				
299	CH20	SR 833	43 + 47.00	47 + 40.00	RT.			6		4															
299	CH21	SR 833	48 + 40.00	50 + 80.00	RT.			4		2															
299	CH22	MAIN STREET	146 + 82.00	149 + 05.00	RT.			4		2															
299	CH23	ISLAND	47 + 20.00	47 + 75.00	RT.																				
TOTALS CARRIED TO SHEET NO. 287D						0	0	14	0	8	0	0	0	0	0	413	0	0	0	826	0	0	0	0	0

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	05-05	SCC

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OHIO PAVEMENT MARKING SUBSUMMARY

MEG-33-15.70

...\Traffic\ak TS008B.dgn 5/18/2006 9:40:39 AM

SEE SHEET NO.	REFERENCE NO.	LOCATION	STATION		SIDE	621									642								644			SPECIAL
						RAISED PAVEMENT MARKER, TWO-WAY, YELLOW			RAISED PAVEMENT MARKER, ONE-WAY, WHITE			RAISED PAVEMENT MARKER, TWO-WAY, RED/WHITE			EDGE LINE, TYPE 2 (WHITE)			CENTER LINE, TYPE 2 (DOUBLE SOLID)			LANE LINE, TYPE 2 (WHITE)	DOTTED LINE, 4" (WHITE)	CHANNELIZING LINE		STOP LINE	STOP LINE, TYPE V (24")
						EACH			EACH			EACH			LINEAR FEET			LINEAR FEET			L. F.	L. F.	LINEAR FEET		L. F.	L. F.
			FROM	TO		POMEROY	UNINC-WV	MASON	POMEROY	UNINC-WV	MASON	POMEROY	UNINC-WV	MASON	POMEROY	UNINC-WV	MASON	POMEROY	UNINC-WV	MASON	POMEROY	MASON	POMEROY	MASON	POMEROY	MASON
299	EW20	SR 833	35 + 95.02	40 + 08.00	LT.																					
299	EW21	SR 833	40 + 08.00	53 + 95.00	LT.				16						1387											
299	EW22	SR 833	35 + 95.02	40 + 08.00	RT.																					
299	EW23	SR 833	40 + 08.00	47 + 40.00	RT.				16						753											
299	EW24	SR 833	48 + 40.00	53 + 95.00	RT.										650											
301	EW25	MAIN STREET	131 + 00.00	148 + 50.00	RT.				16						1750											
301	EW26	MAIN STREET	131 + 00.00	133 + 02.00	LT.										240											
301	EW27	MAIN STREET	133 + 02.00	136 + 29.00	LT.										500											
301	EW28	MAIN STREET	136 + 29.00	148 + 50.00	LT.										1303											
299	SL20	SR 833	47 + 40.00		RT.																				25	
299	SL21	SR 833	47 + 40.00		RT.																				12	
299	SL22	SR 833	48 + 40.00		LT																				24	
299	SL23	MAIN STREET	149 + 05.00		RT.																				24	
301	SL24	LIBERTY STREET	9 + 56.00		LT.																				9	
301	SL25	W MAIN STREET	10 + 46.00		LT.																				14	
299	IM20	SR 833	50 + 90.00	53 + 95.00	LT.	8												306								
302	IM21	MAIN STREET	144 + 27.12	146 + 72.12	RT.	8												244								
TOTALS THIS SHEET						16	0	0	48	0	0	0	0	0	6583	0	0	550	0	0	0	0	0	0	108	0
TOTALS FROM SHEET NO. 287A						84	0	0	0	0	0	44	0	0	0	0	0	3085	0	0	964	0	1017	0	0	0
GRAND TOTALS						100	0	0	48	0	0	44	0	0	6583	0	0	3635	0	0	964	0	1017	0	108	0
ALLOCATED TOTALS CARRIED TO GENERAL SUMMARY						100	0	0	48	0	0	44	0	0	1.25 MI	0.00 MI	0.00 MI	0.69 MI	0.00 MI	0.00 MI	0.18 MI	0	1017	0	108	0
TOTALS CARRIED TO GENERAL SUMMARY						192									1.25 MI			0.69 MI			0.18 MI	0	1017		108	0

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	05-05	SCC

CALCULATED SJ
CHECKED SAO

OHIO PAVEMENT MARKING SUBSUMMARY

MEG-33-15.70

287C
582

...\Traffic\ak TS008C.dgn 5/18/2006 9:40:40 AM

SEE SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	SIDE	644 CROSSWALK LINE (LINEAR FEET) POMEROY	644 CROSSWALK LINE (LINEAR FEET) MASON	644 LANE ARROW (EACH) POMEROY	644 LANE ARROW (EACH) MASON	644 WORD "ONLY" ON PAVEMENT, 96" (EACH) POMEROY	644 WORD "ONLY" ON PAVEMENT, 96" (EACH) MASON	644 TRANSVERSE LINE (YELLOW) (L.F.) MASON	828 EDGE LINE (WHITE) (LINEAR FEET) POMEROY	828 EDGE LINE (WHITE) (LINEAR FEET) UNINC. WV	828 EDGE LINE (WHITE) (LINEAR FEET) MASON	828 CENTER LINE (DOUBLE SOLID) (LINEAR FEET) POMEROY	828 CENTER LINE (DOUBLE SOLID) (LINEAR FEET) UNINC. WV	828 CENTER LINE (DOUBLE SOLID) (LINEAR FEET) MASON	828 CHANNELIZING LINE (L.F.) MASON	828 LANE LINE (WHITE) (LINEAR FEET) POMEROY	828 LANE LINE (WHITE) (LINEAR FEET) UNINC. WV	828 LANE LINE (WHITE) (LINEAR FEET) MASON	828 LANE ARROW (EACH) MASON	828 WORD "ONLY" ON PAVEMENT, 96" (EACH) MASON	828 TRANSVERSE LINE (YELLOW) (L.F.) MASON
299	EW20	SR 833	35 + 95.02	40 + 08.00	LT.								413												
299	EW21	SR 833	40 + 08.00	53 + 95.00	LT.																				
299	EW22	SR 833	35 + 95.02	40 + 08.00	RT.								413												
299	EW23	SR 833	40 + 08.00	47 + 40.00	RT.																				
299	EW24	SR 833	48 + 40.00	53 + 95.00	RT.																				
301	EW25	MAIN STREET	131 + 00.00	148 + 50.00	RT.																				
301	EW26	MAIN STREET	131 + 00.00	133 + 02.00	LT.																				
301	EW27	MAIN STREET	133 + 02.00	136 + 29.00	LT.																				
301	EW28	MAIN STREET	136 + 29.00	148 + 50.00	LT.																				
299	CW20	SR 833	47 + 52.00		RT.	69																			
299	CW21	MAIN STREET	149 + 12.00			104																			
299	IM20	SR 833	50 + 90.00	53 + 95.00	LT.							234													
302	IM21	MAIN STREET	144 + 27.12	146 + 72.12	RT.							125													
TOTALS THIS SHEET						173	0	0	0	0	0	359	826	0	0	0	0	0	0	0	0	0	0	0	0
TOTALS FROM SHEET NO. 287B						0	0	14	0	8	0	0	0	0	0	413	0	0	0	826	0	0	0	0	0
GRAND TOTALS						173	0	14	0	8	0	359	826	0	0	413	0	0	0	826	0	0	0	0	0
ALLOCATED TOTALS CARRIED TO GENERAL SUMMARY						173	0	14	0	8	0	359	0.16 MI	0.00 MI	0.00 MI	0.08 MI	0.00 MI	0.00 MI	0	0.16 MI	0.00 MI	0.00 MI	0	0	0
TOTALS CARRIED TO GENERAL SUMMARY						173		14		8		359	0.16 MI			0.08 MI			0	0.16 MI			0	0	0

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	05-05	SCC

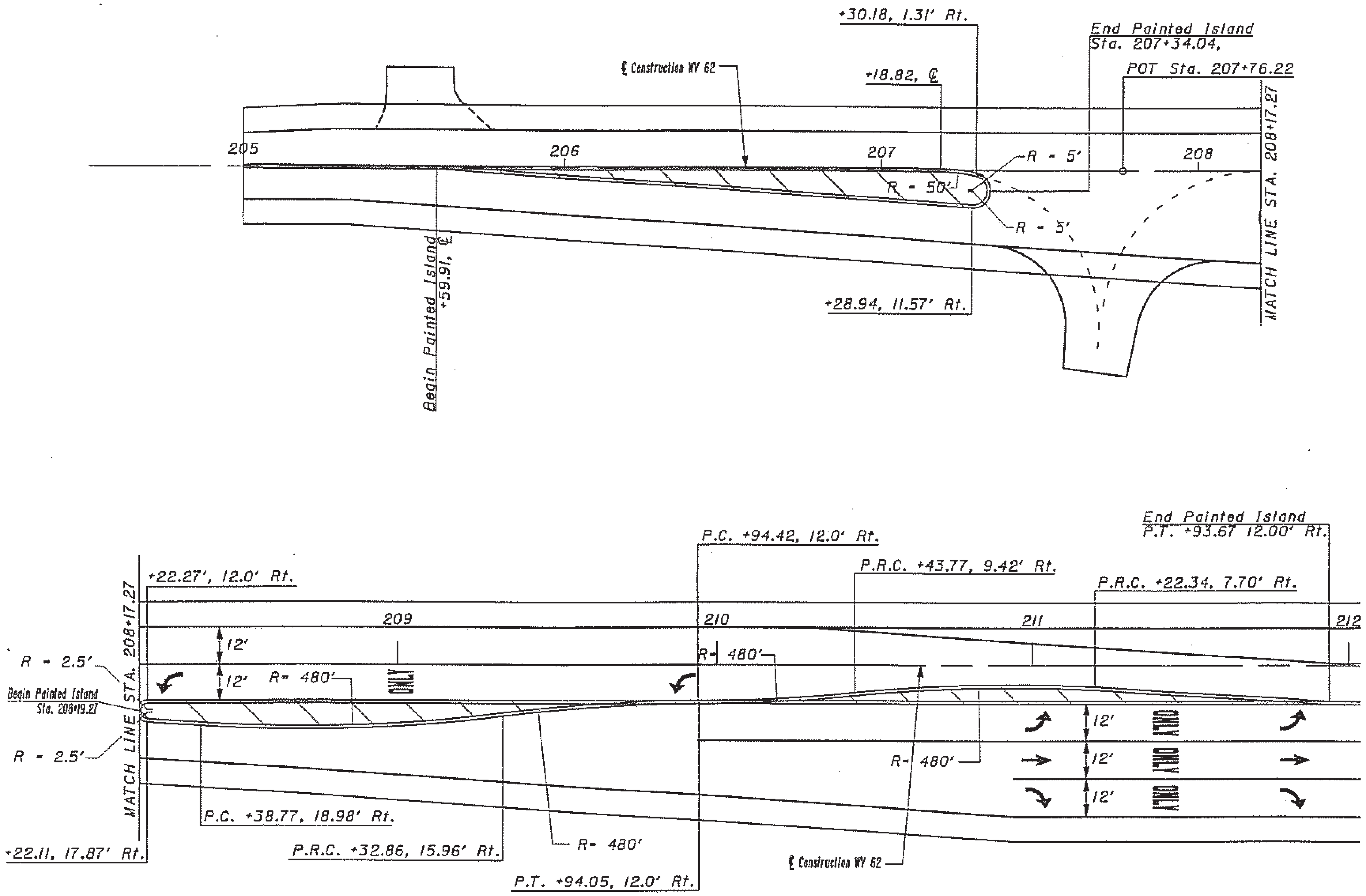
CALCULATED SJ
CHECKED SAO

OHIO PAVEMENT MARKING SUBSUMMARY

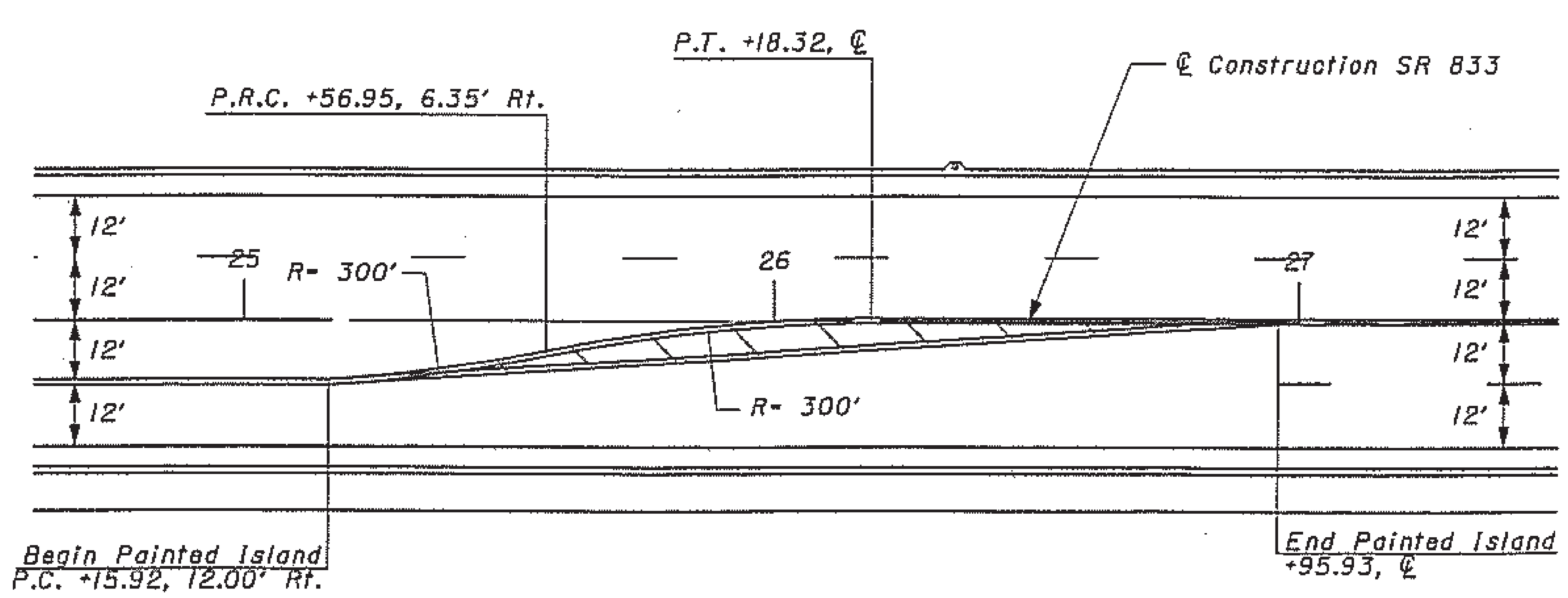
MEG-33-15.70

287D
582

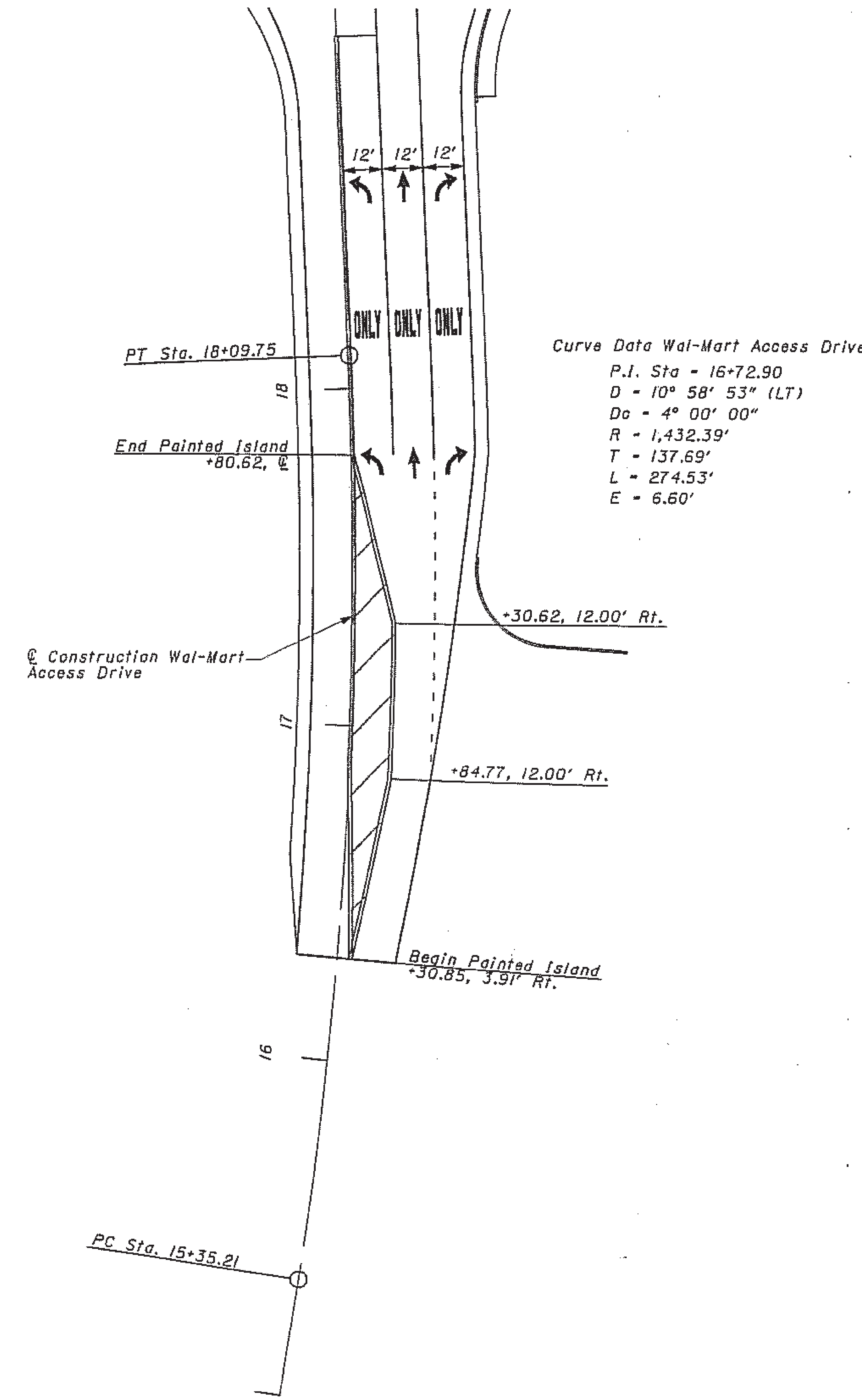
For Pavement Marking Quantities See Subsummary Sheet No. 280-287.



WV 62 PAINTED ISLAND DETAIL



SR 833 PAINTED ISLAND DETAIL



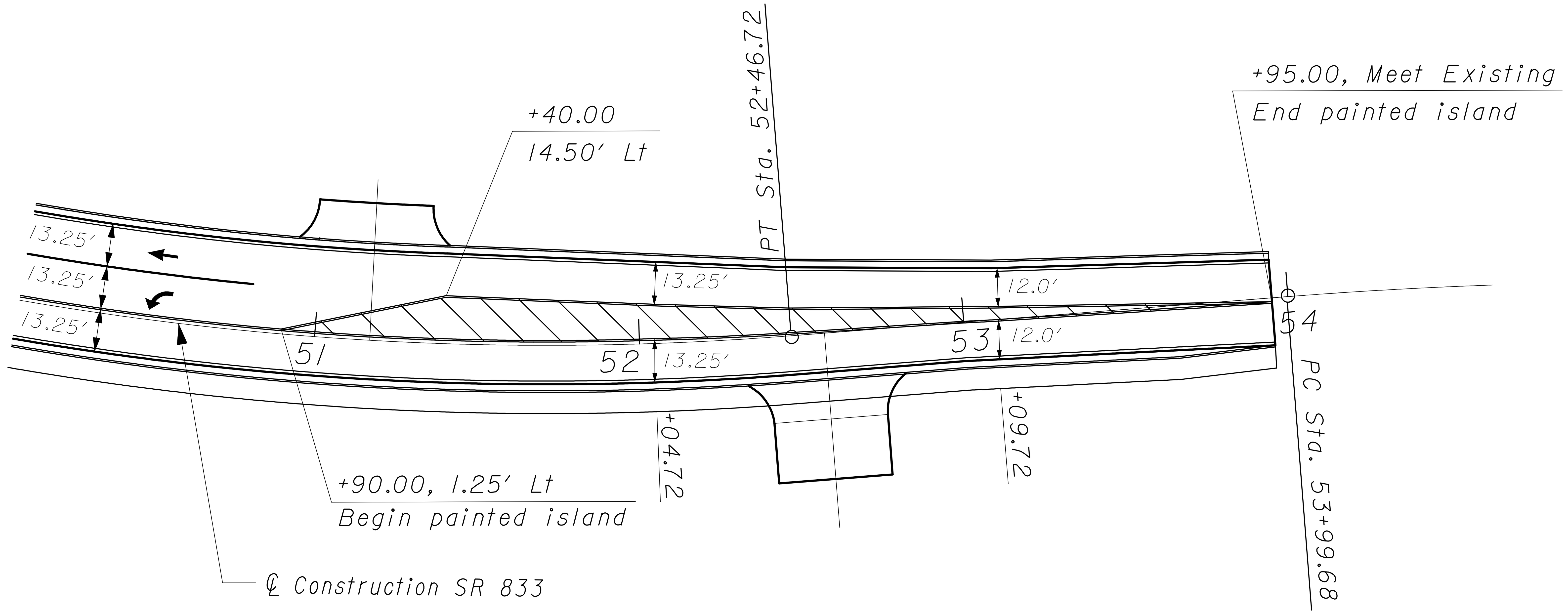
Curve Data Wal-Mart Access Drive
P.I. Sta - 16+72.90
D - 10° 58′ 53″ (LT)
Dc - 4° 00′ 00″
R - 1,432.39′
T - 137.69′
L - 274.53′
E - 6.60′

WAL-MART DRIVE PAINTED ISLAND DETAIL

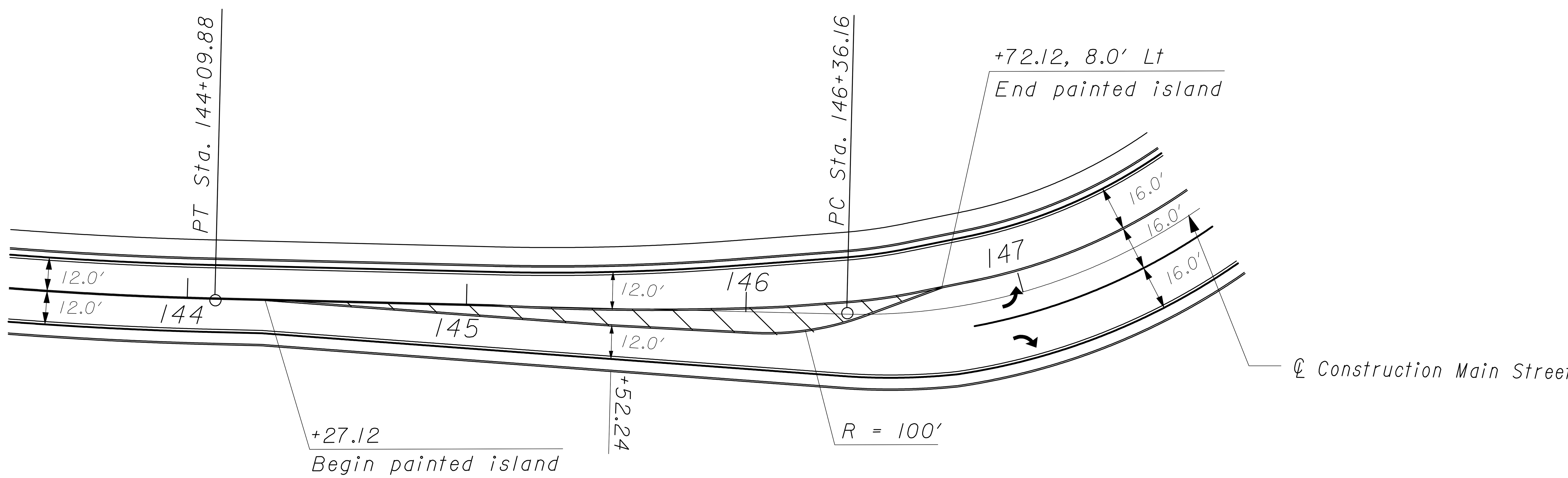
CALCULATED EHF
CHECKED AM

ISLAND DETAILS SR 833, WV 62, WAL-MART ACCESS DR.

MEG-33-15.70



SR 833 PAINTED ISLAND DETAIL
STA. 50+90.00 TO STA. 53+95.00 LT



MAIN STREET PAINTED ISLAND DETAIL
STA. 144+27.12 TO STA. 146+72.12 RT

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

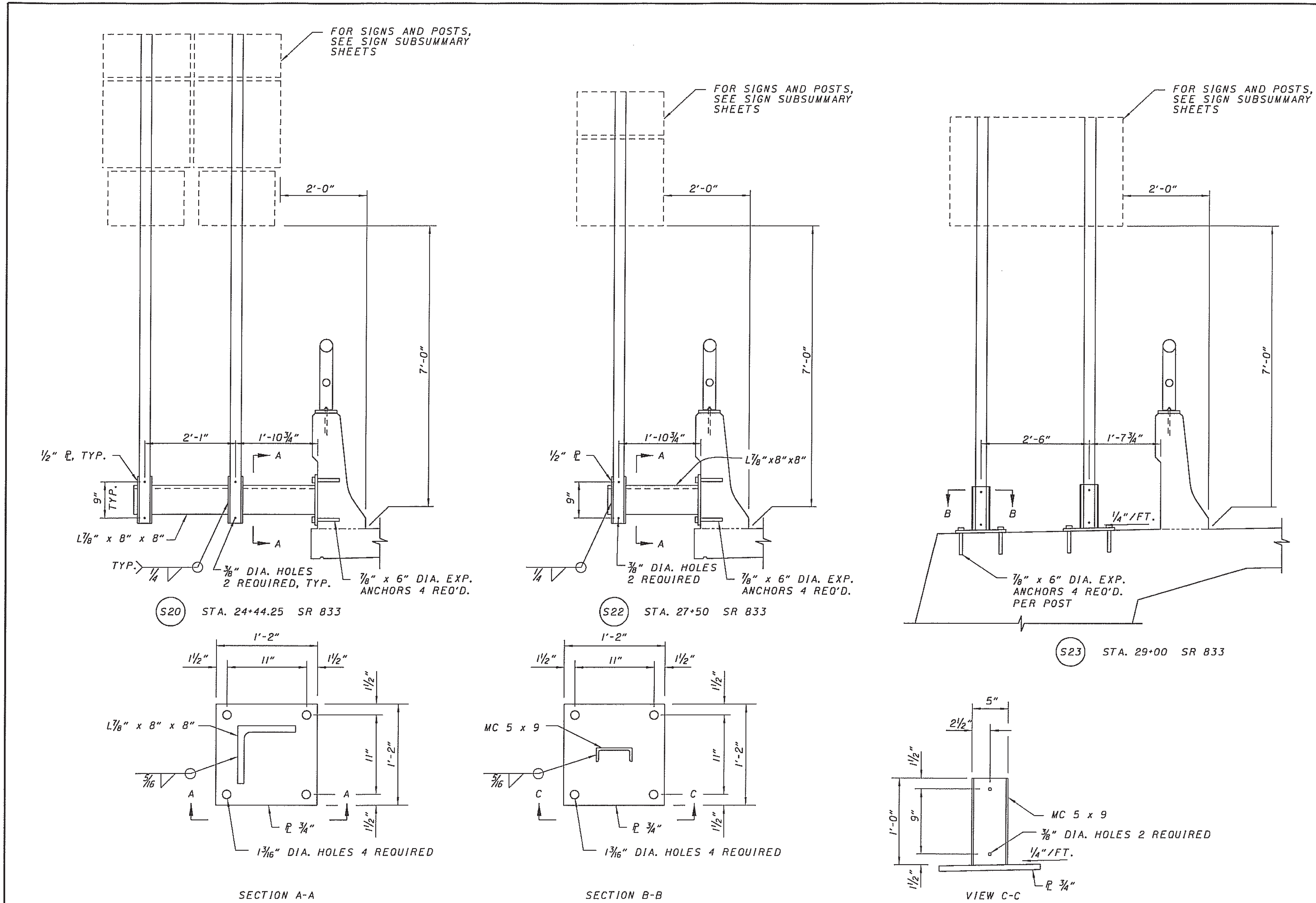
CALCULATED
CHECKED

ISLAND DETAILS SR 833, MAIN STREET

MEG-33-15.70

289
582

J:\Project\O\ODOT\14944862 POM-MAS\Roadway\14944862\Traffic\ak_TDI00.dgn - 1/11/2011 4:32:02 PM - jon_wanstrath

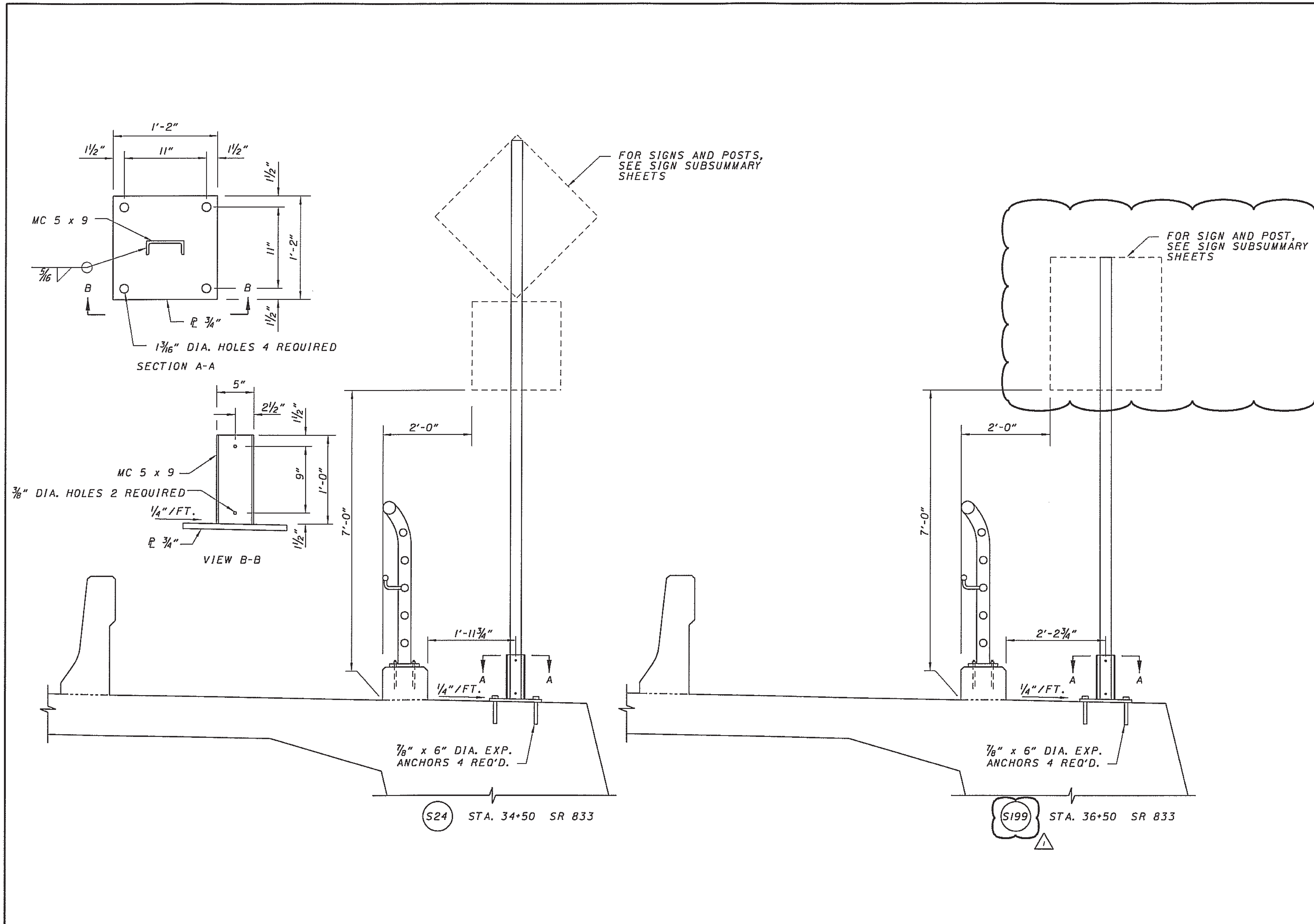


CALCULATED ALH
CHECKED AM

BRIDGE MOUNTED SIGNING DETAILS

MEG-33-15.70

290/582



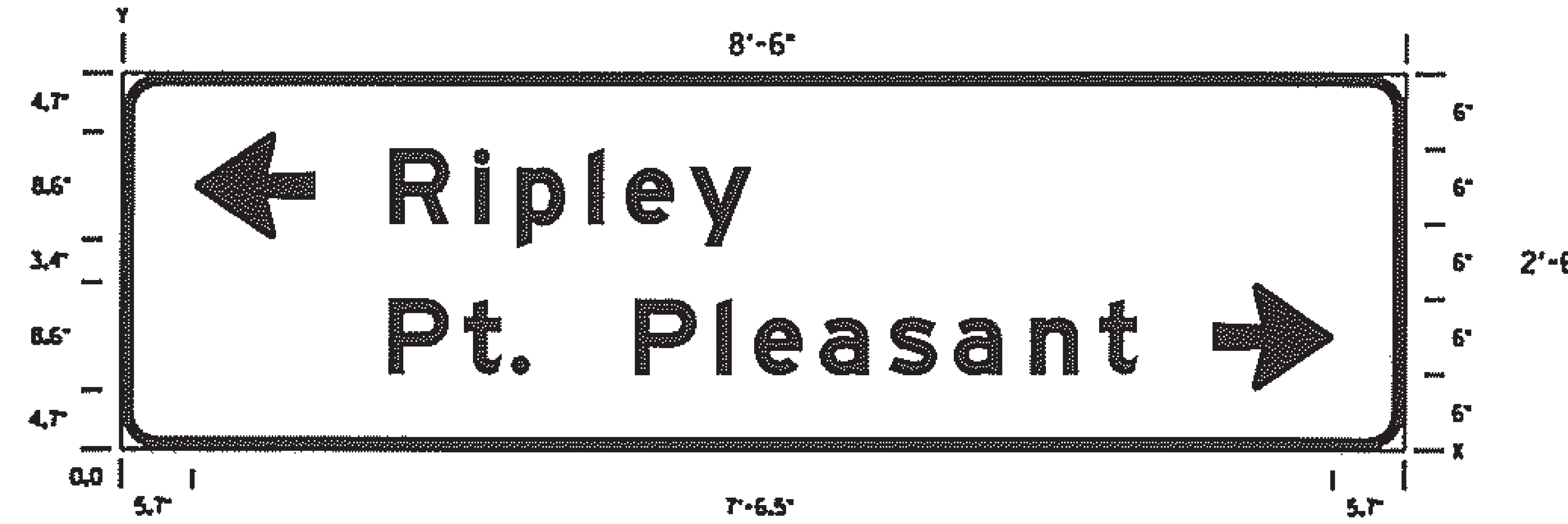
NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED ALH
CHECKED AM

BRIDGE MOUNTED SIGNING DETAILS

MEG-33-15.70

SIGN DETAIL
SCALE 1:20



DIMENSIONS IN INCHES

SPACINGS ARE TO START OF NEXT LETTER

ASSY. NO.	
SIGN NO.	
LxH (AREA)	
MARGIN/BORDER/RADIUS	1/3
MATERIAL	FLAT SHEET
BACKGROUND	HI-INTENSITY
	COLOR: GREEN
LEGEND/BORDER	D.A. HI-INT
	COLOR: WHITE

SYMBOL	X	Y	WID	HT
ARSHRT	86.7	4.7	9.6	8.5
ARSHRT,180deg	5.7	16.7	9.6	8.5

LETTER SPACINGS

Y FONT															HT LEN
18.0 EM		R	i	p	l	e	y								6.0 4.5 28.7
	21.3	6.8	3.4	5.6	3.0	5.0	4.8	52.0							
6.0 EM		P	t	.		P	l	e	a	s	a	n	t		6.0 4.5 59.3
	21.3	6.0	3.8	3.1	6.8	6.5	3.0	5.2	5.5	5.1	6.1	5.5	3.0	21.3	

S3

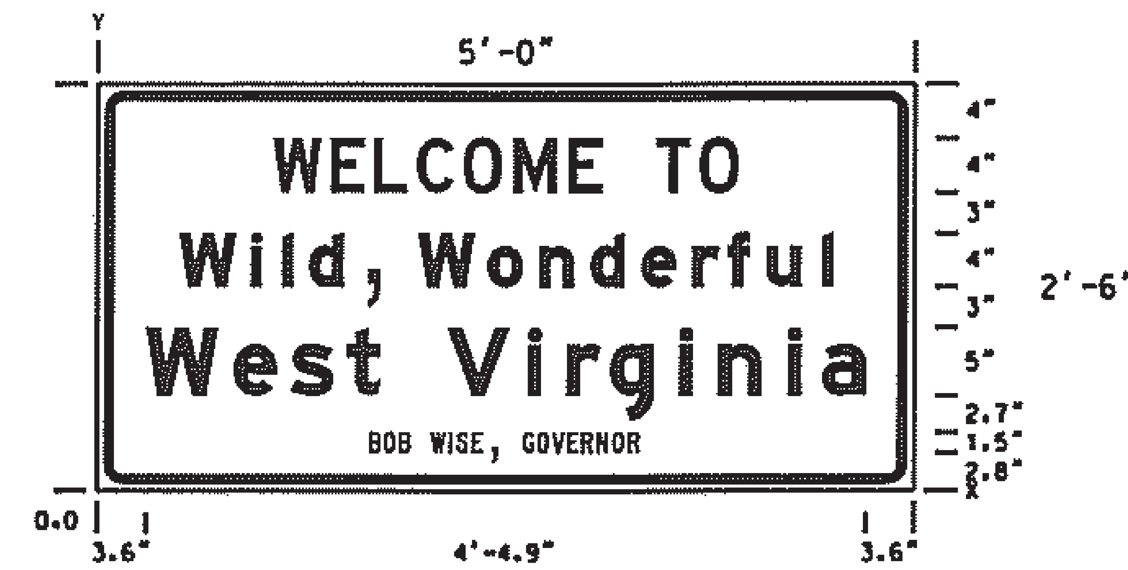
STA. 19+25 ℄ WAL-MART DRIVE

CALCULATED CHECKED

SIGN FABRICATION DETAIL SHEET

MEG-33-15.70

SIGN DETAIL
SCALE 1:20



SIGN NUMBER	WVSTLN2
WIDTH x HEIGHT	60" x 30"
BORDER WIDTH	.75" MARGIN-.5"
CORNER RADIUS	1.38"
MOUNTING	GROUND
BACKGROUND	TYPE: REFLECTIVE
	COLOR: WHITE
LEGEND/BORDER	TYPE: REFLECTIVE
	COLOR: BLUE

SYMBOL	X	Y	WID	HT

DIMENSIONS IN INCHES

SPACINGS ARE TO START OF NEXT LETTER

Y FONT	LETTER SPACINGS																							HT LEN
22.0		W	E	L	C	O	M	E		T	O													4.0
D	12.8	4.3	3.2	3.2	3.4	3.8	4.0	2.4	4.0	3.2	2.8	12.8												34.3
15.0		W	i	l	d		W	o	n	d	e	r	f	u	l									4.0 3.0
EM	6.0	5.3	2.3	2.0	2.5	5.6	5.1	3.9	3.7	3.7	3.8	2.5	2.9	4.1	0.8	6.0								48.1
7.0		W	e	s	t		V	i	r	g	i	n	i	a										5.0 3.8
EM	3.6	6.4	4.2	4.1	2.5	5.0	5.9	2.9	3.2	5.1	2.9	5.1	2.5	3.2	3.6									52.9
2.8		B	O	B		W	I	S	E		G	O	V	E	R	N	O	R						1.5
C	20.0	1.1	1.2	0.8	1.5	1.4	0.5	1.1	0.8	3.0	1.1	1.1	1.2	1.0	1.1	1.1	1.2	0.8	20.0					20.0

S19

STA. 21+09 ℄ SR 833

CALCULATED

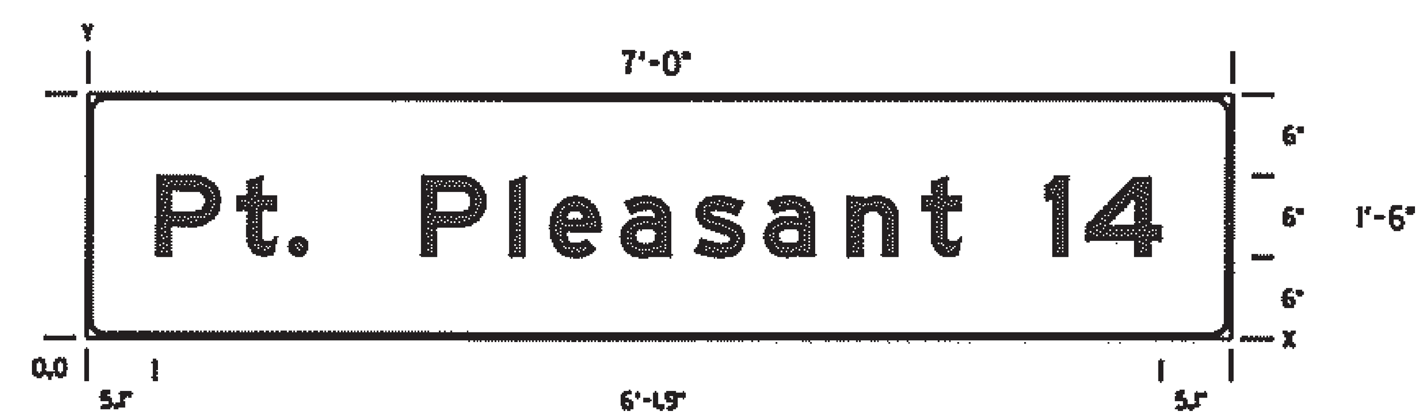
CHECKED

SIGN FABRICATION DETAIL SHEET

MEG-33-15.70

292A
582

SIGN DETAIL
SCALE 1:20



DIMENSIONS IN INCHES

SPACINGS ARE TO START OF NEXT LETTER

ASSY. NO.	
SIGN NO.	
LxH (AREA)	
MARGIN/BORDER/RADIUS	.5/1.5
MATERIAL	FLAT SHEET
BACKGROUND	HI-INTENSITY
	COLOR: GREEN
LEGEND/BORDER	D.A. HI-INT
	COLOR: WHITE

SYMBOL	X	Y	WID	HT

Y FONT	LETTER SPACINGS																						HT LEN
6.0	⊠	P	t	.	⊠	P	l	e	a	s	a	n	t	1	4	⊠							6.0
EM	5.1	6.0	3.8	3.1	6.8	6.5	3.0	5.2	5.5	5.1	6.1	5.5	9.0	3.0	5.5	5.1							73.9

S73

STA. 206+16 ℄ WV 62

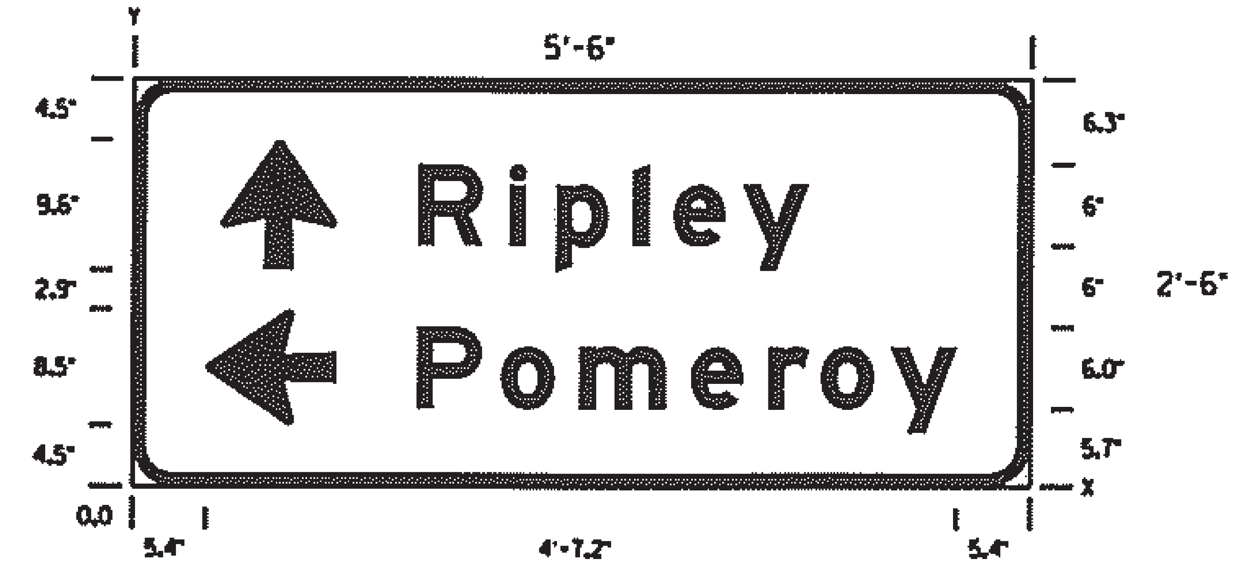
CALCULATED

CHECKED

SIGN FABRICATION DETAIL SHEET

MEG-33-15.70

SIGN DETAIL
SCALE 1:20



DIMENSIONS IN INCHES

SPACINGS ARE TO START OF NEXT LETTER

ASSY. NO.	
SIGN NO.	
LxH (AREA)	
MARGIN/BORDER/RADIUS	1/3
MATERIAL	FLAT SHEET
BACKGROUND	HI-INTENSITY
	COLOR: GREEN
LEGEND/BORDER	D.A. HI-INT
	COLOR: WHITE

SYMBOL	X	Y	WID	HT
ARSHRT,90deg	6.4	15.9	8.5	9.6
ARSHRT,180deg	5.4	4.5	9.6	8.5

LETTER SPACINGS

Y FONT										HT LEN
17.7 EM		R	i	p	l	e	y			6.0 4.5
	21.0	6.8	3.4	5.6	3.0	5.0	4.8	16.3		28.7
5.7 EM		P	o	m	e	r	o	y		6.0 4.5
	21.0	6.2	5.8	8.2	5.7	3.8	5.1	4.8	5.4	39.6

S74

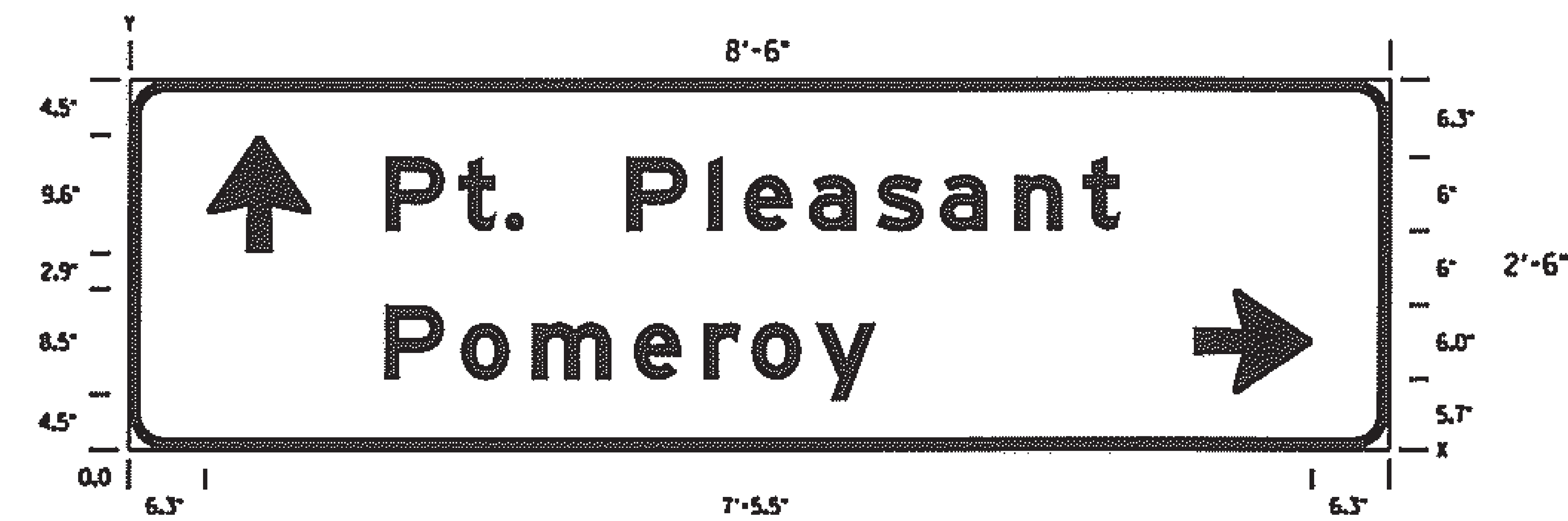
STA. 206+35 ℄ WV 62

CALCULATED CHECKED

SIGN FABRICATION DETAIL SHEET

MEG-33-15.70

SIGN DETAIL
SCALE 1:20



DIMENSIONS IN INCHES

SPACINGS ARE TO START OF NEXT LETTER

ASSY. NO.	
SIGN NO.	
LxH (AREA)	
MARGIN/BORDER/RADIUS	1/3
MATERIAL	FLAT SHEET
BACKGROUND	HI-INTENSITY
	COLOR: GREEN
LEGEND/BORDER	D.A. HI-INT
	COLOR: WHITE

SYMBOL	X	Y	WID	HT
ARSHRT,90deg	6.3	15.9	8.5	9.6
ARSHRT	86.1	4.5	9.6	8.5

LETTER SPACINGS

Y FONT															HT LEN
17.7 EM	⊠	P	t	.	⊠	P	l	e	a	s	a	n	t	⊠	6.0 4.5 59.3
	20.8	6.0	3.8	3.1	6.8	6.5	3.0	5.2	5.5	5.1	6.1	5.5	3.0	21.9	
5.7 EM	⊠	P	o	m	e	r	o	y	⊠						6.0 4.5 39.6
	20.8	6.2	5.8	8.2	5.7	3.8	5.1	4.8	41.6						

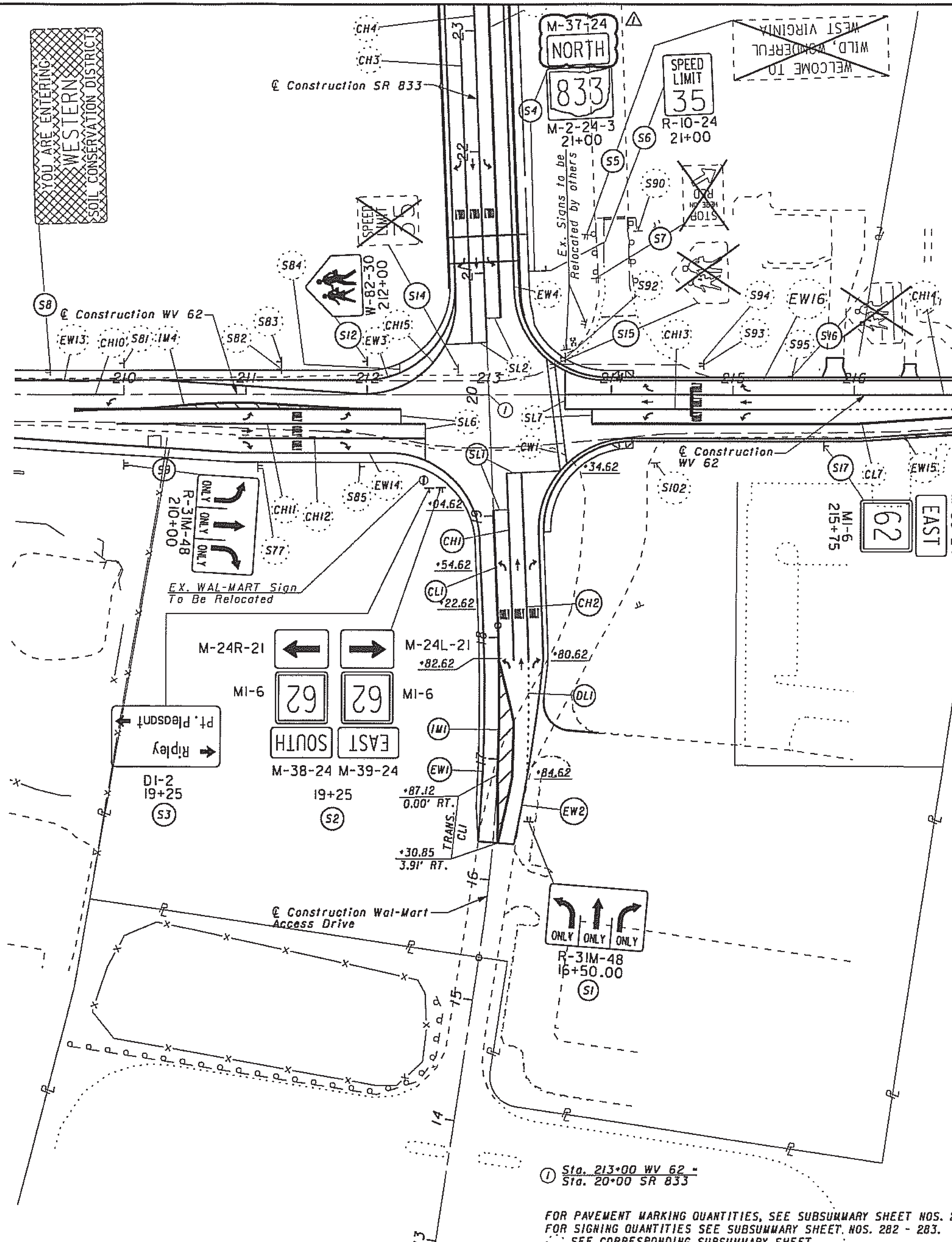
S101

STA. 219+27.46 ℄ WV 62

CALCULATED
CHECKED

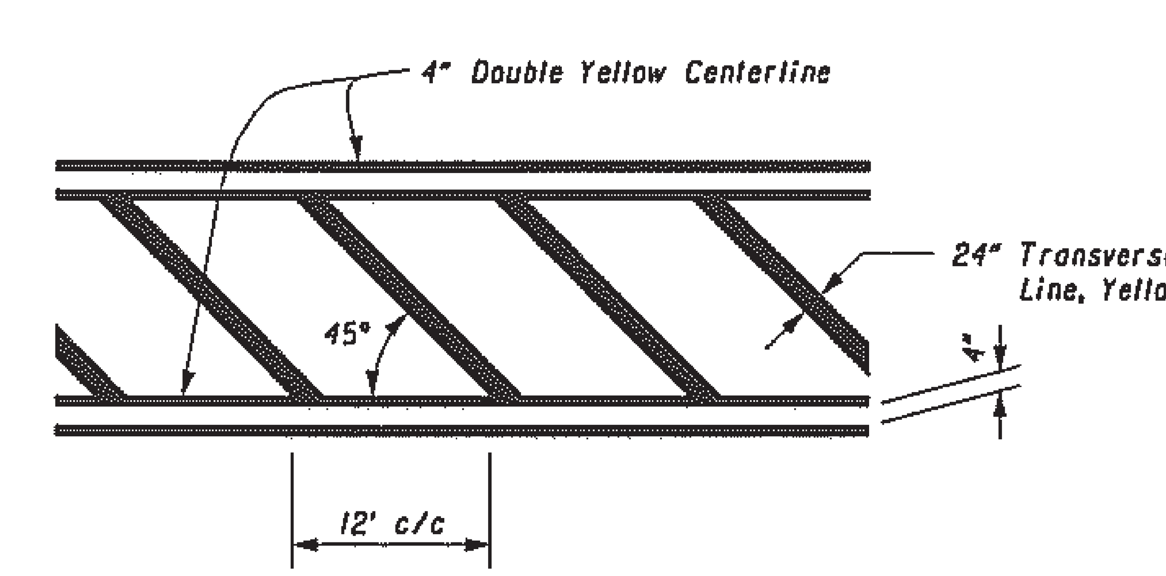
SIGN FABRICATION DETAIL SHEET

MEG-33-15.70



① Sta. 213+00 WV 62 = Sta. 20+00 SR 833

FOR PAVEMENT MARKING QUANTITIES, SEE SUBSUMMARY SHEET NOS. 284 - 287.
FOR SIGNING QUANTITIES SEE SUBSUMMARY SHEET NOS. 282 - 283.
SEE CORRESPONDING SUBSUMMARY SHEET.



ISLAND DETAIL
(N.T.S.)

TRAFFIC CONTROL LEGEND

EXISTING SIGN TO BE REMOVED AND RELOCATED

EXISTING SIGN TO BE REMOVED

PROPOSED SIGN TO BE ERECTED

Existing	Proposed	
		One Post Sign, Ground Mounted Sign
		Two Post Sign, Ground Mounted Sign
		Three Post Sign, Ground Mounted Sign

PROPOSED PAVEMENT MARKING KEY

DL	Dotted Line	EW	Edge Line, White
LL	Lane Line	SL	Stop Line
CL	Center Line	CW	Crosswalk Line
CH	Channelizing Line	IM	Island Marking

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED EHF
CHECKED AM

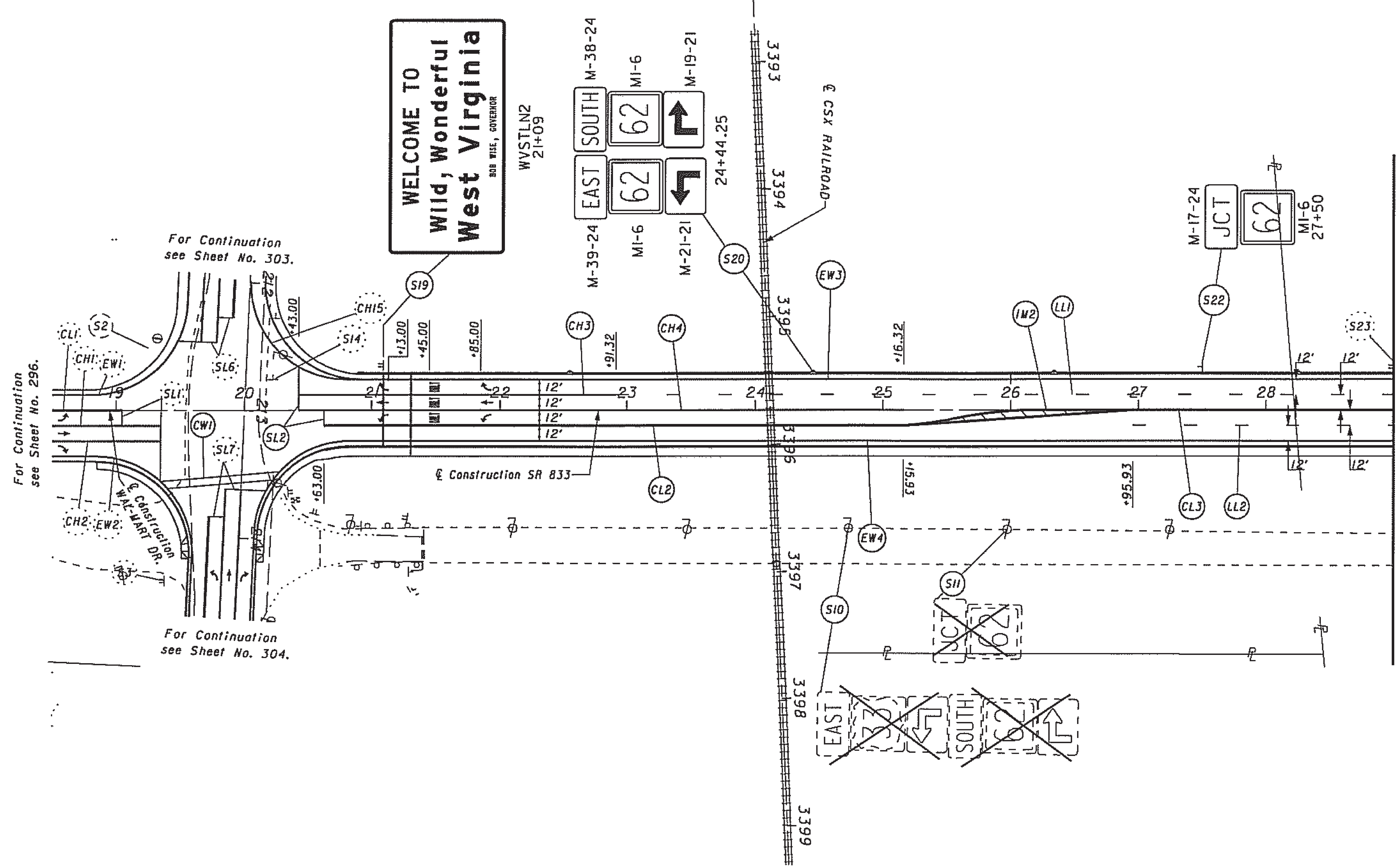
HORIZONTAL SCALE IN FEET 0 25 50 100

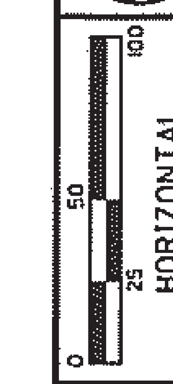
WAL-MART ACCESS DR. TRAFFIC CONTROL PLAN STA. 15+00 TO STA. 20+00

MEG-33-15.70

...\Traffic\ak TP100.DGN 5/18/2006 9:40:25 AM

FOR TRAFFIC CONTROL LEGEND, SEE SHEET NO. 296.
FOR PAVEMENT MARKING QUANTITIES, SEE SUBSUMMARY SHEET NOS. 284 - 287.
FOR SIGNING QUANTITIES SEE SUBSUMMARY SHEET NOS. 282 - 283.
SEE CORRESPONDING SUBSUMMARY SHEET.

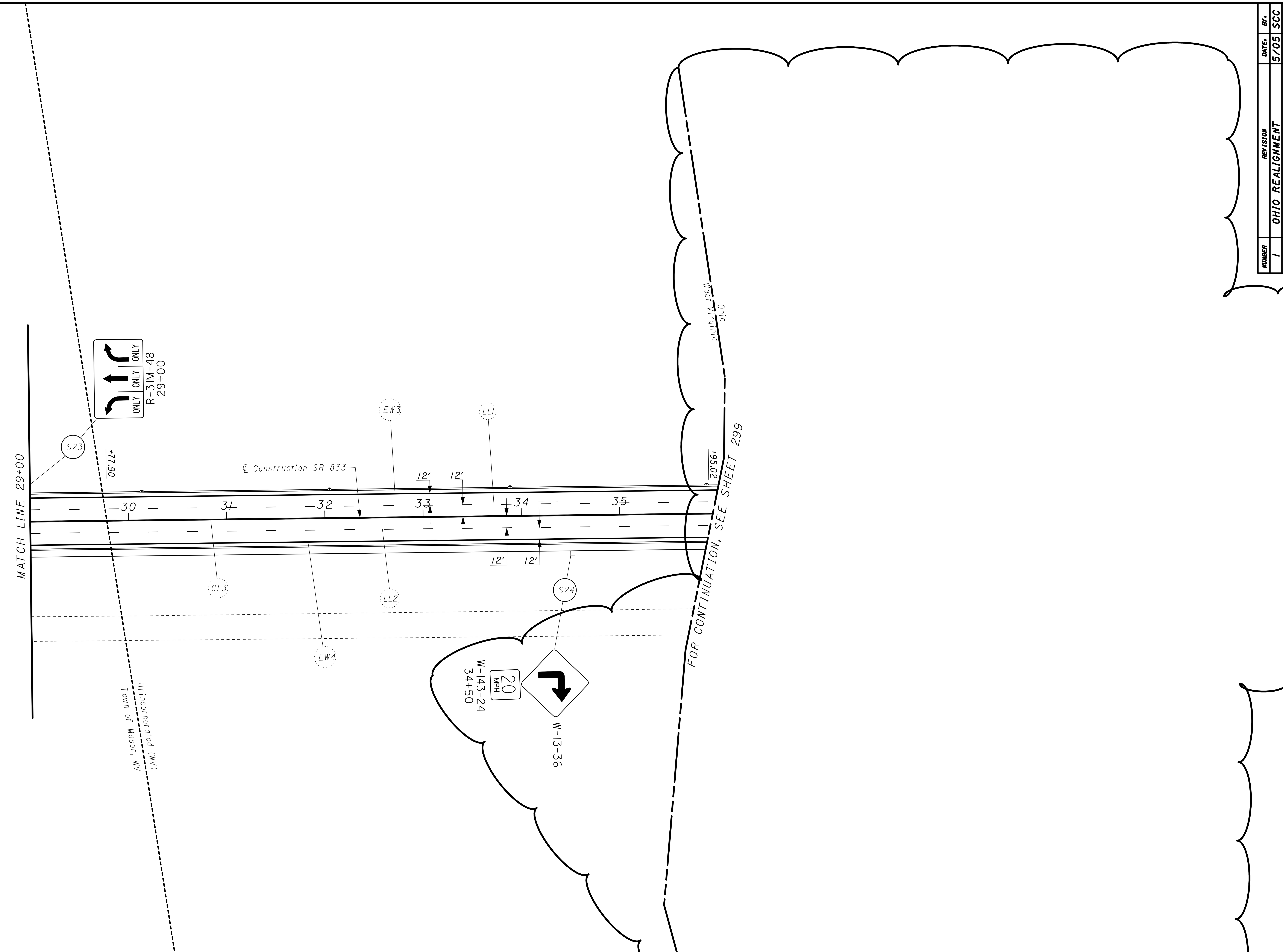




CALCULATED ALH
CHECKED JGB

SR 833 TRAFFIC CONTROL PLAN
STA. 20+00 TO STA. 29+00

MEG-33-15.70



FOR TRAFFIC CONTROL LEGEND, SEE SHEET NO. 296.
FOR PAVEMENT MARKING QUANTITIES, SEE SUBSUMMARY SHEET NOS. 284 - 287.
FOR SIGNING QUANTITIES SEE SUBSUMMARY SHEET NOS. 280 - 283.
SEE CORRESPONDING SUBSUMMARY SHEET.

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

CALCULATED ALH
CHECKED JGB

HORIZONTAL SCALE IN FEET
0 25 50 100

SR 833 TRAFFIC CONTROL PLAN
STA. 29+00 TO STA. 35+95.02

MEG-33-15.70

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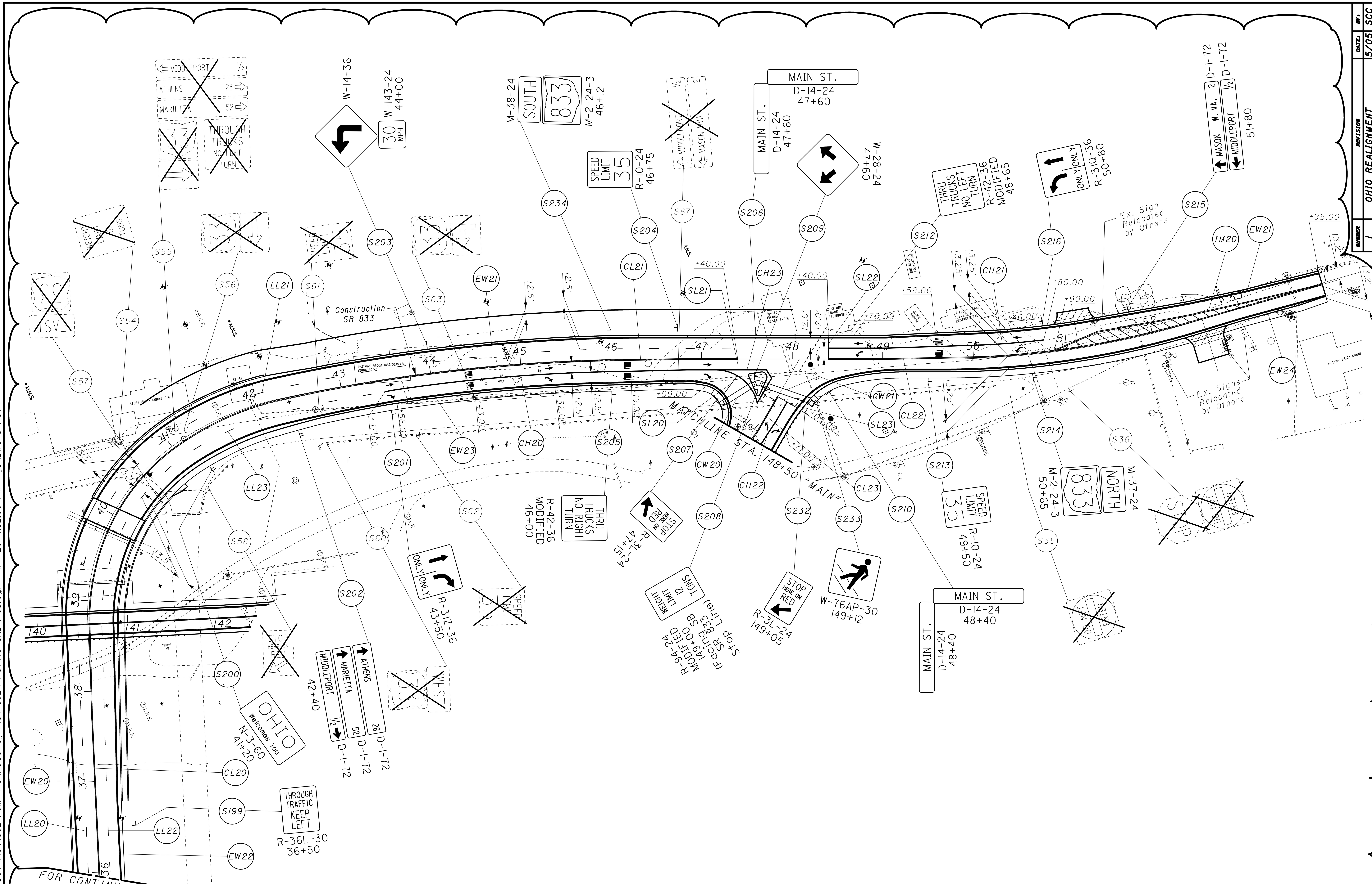

FOR CONTINUATION, SEE SHEET 298A

FOR TRAFFIC CONTROL LEGEND, SEE SHEET NO. 296.
FOR PAVEMENT MARKING QUANTITIES, SEE SUBSUMMARY SHEET NOS. 284 - 287.
FOR SIGNING QUANTITIES SEE SUBSUMMARY SHEET NOS. 280 - 283.
SEE CORRESPONDING SUBSUMMARY SHEET.

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

HORIZONTAL SCALE IN FEET 0 25 50 100

CALCULATED
CHECKED

SR 833 TRAFFIC CONTROL PLAN STA. 35+95.02 TO STA. 53+95

MEG-33-15.70

NOT USED

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

0 25 50 100
HORIZONTAL SCALE IN FEET

CALCULATED ALH
CHECKED JGB

SR 833 TRAFFIC CONTROL PLAN
STA. 48+50 TO STA. 53+77

MEG-33-15.70

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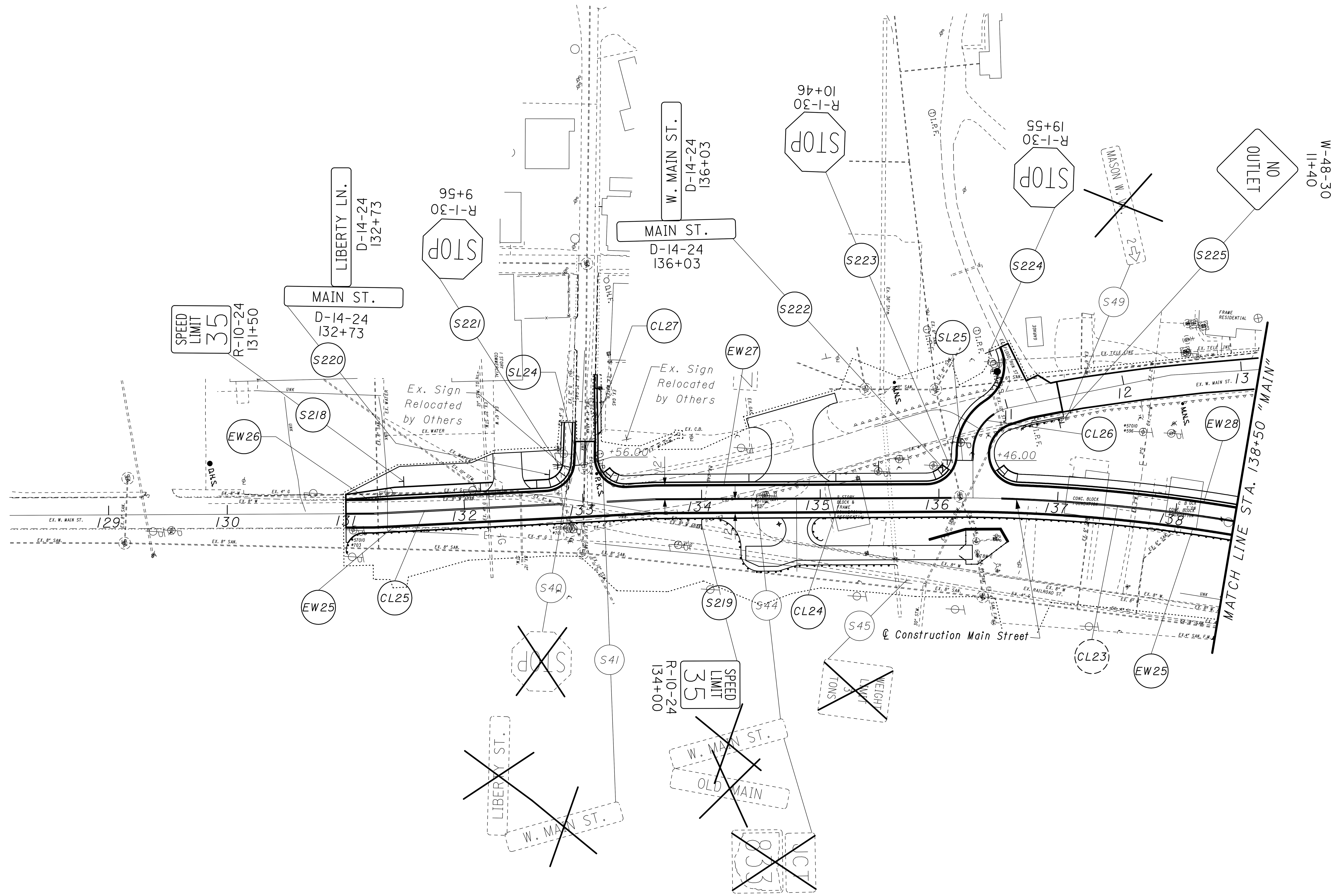

FOR TRAFFIC CONTROL LEGEND, SEE SHEET NO. 296.
FOR PAVEMENT MARKING QUANTITIES, SEE SUBSUMMARY SHEET NOS. 284 - 287.
FOR SIGNING QUANTITIES SEE SUBSUMMARY SHEET NOS. 280 - 283.
SEE CORRESPONDING SUBSUMMARY SHEET.

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

HORIZONTAL SCALE IN FEET
0 25 50 100

CALCULATED
CHECKED

MAIN STREET TRAFFIC CONTROL PLAN STA. 131+00 TO STA. 138+50

MEG-33-15.70

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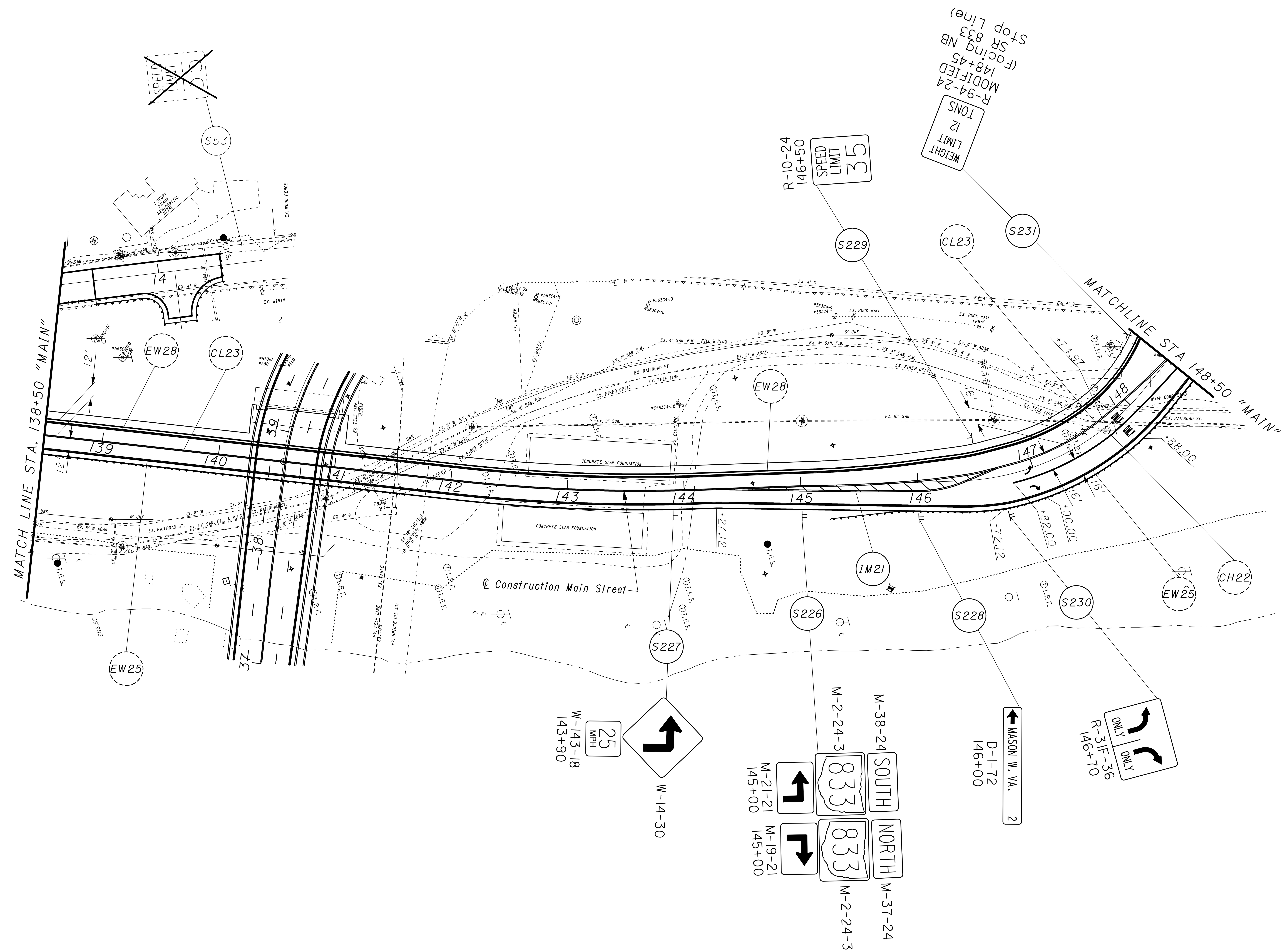


FOR TRAFFIC CONTROL LEGEND, SEE SHEET NO. 296.
FOR PAVEMENT MARKING QUANTITIES, SEE SUBSUMMARY SHEET NOS. 284 - 287.
FOR SIGNING QUANTITIES SEE SUBSUMMARY SHEET NOS. 280 - 283.
SEE CORRESPONDING SUBSUMMARY SHEET.

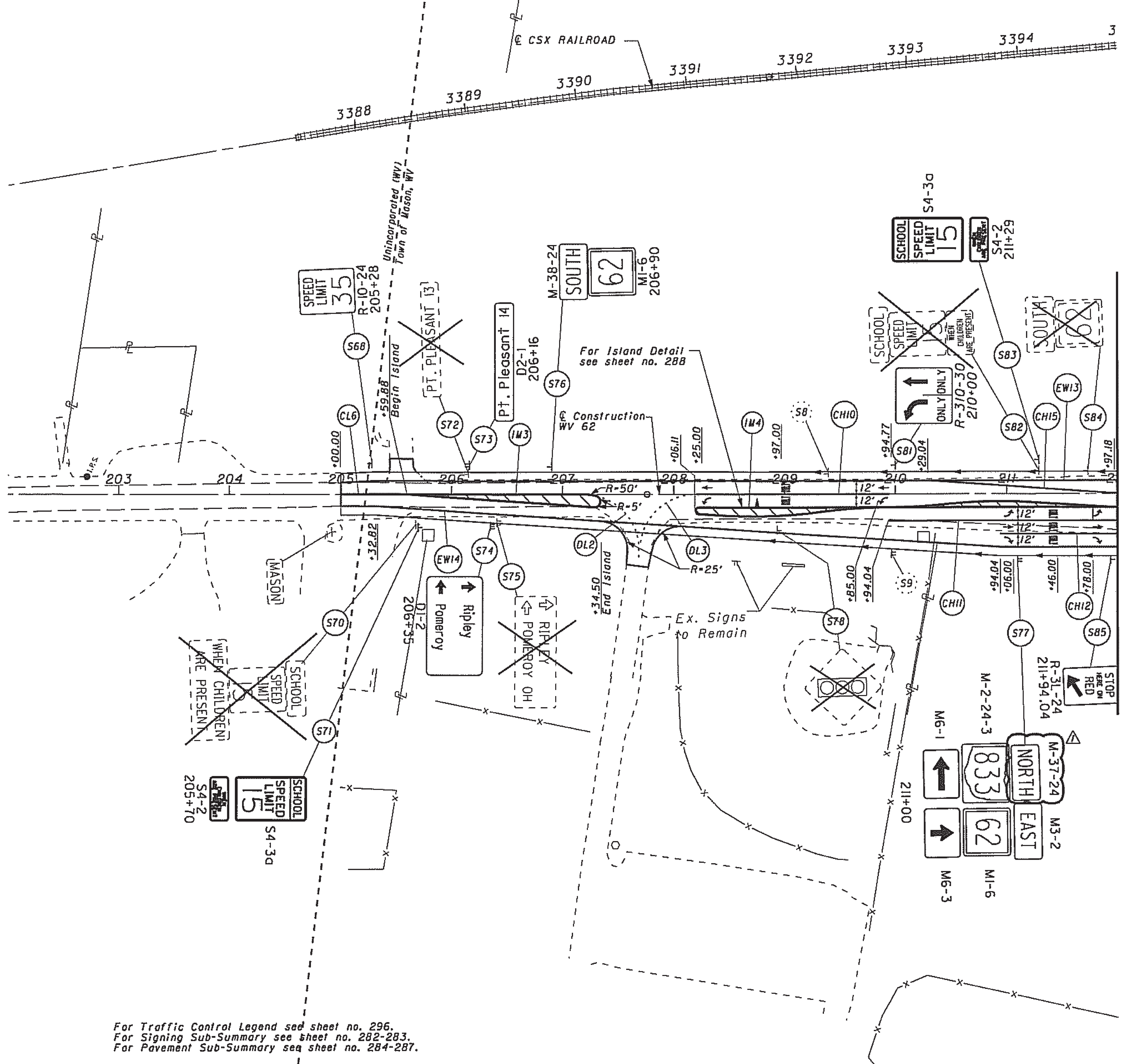
NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC

0 25 50 100
HORIZONTAL SCALE IN FEET

CALCULATED
CHECKED

MAIN STREET TRAFFIC CONTROL PLAN
STA. 138+50 TO STA. 148+50

MEG-33-15.70



For Traffic Control Legend see sheet no. 296.
For Signing Sub-Summary see sheet no. 282-283.
For Pavement Sub-Summary see sheet no. 284-287.

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

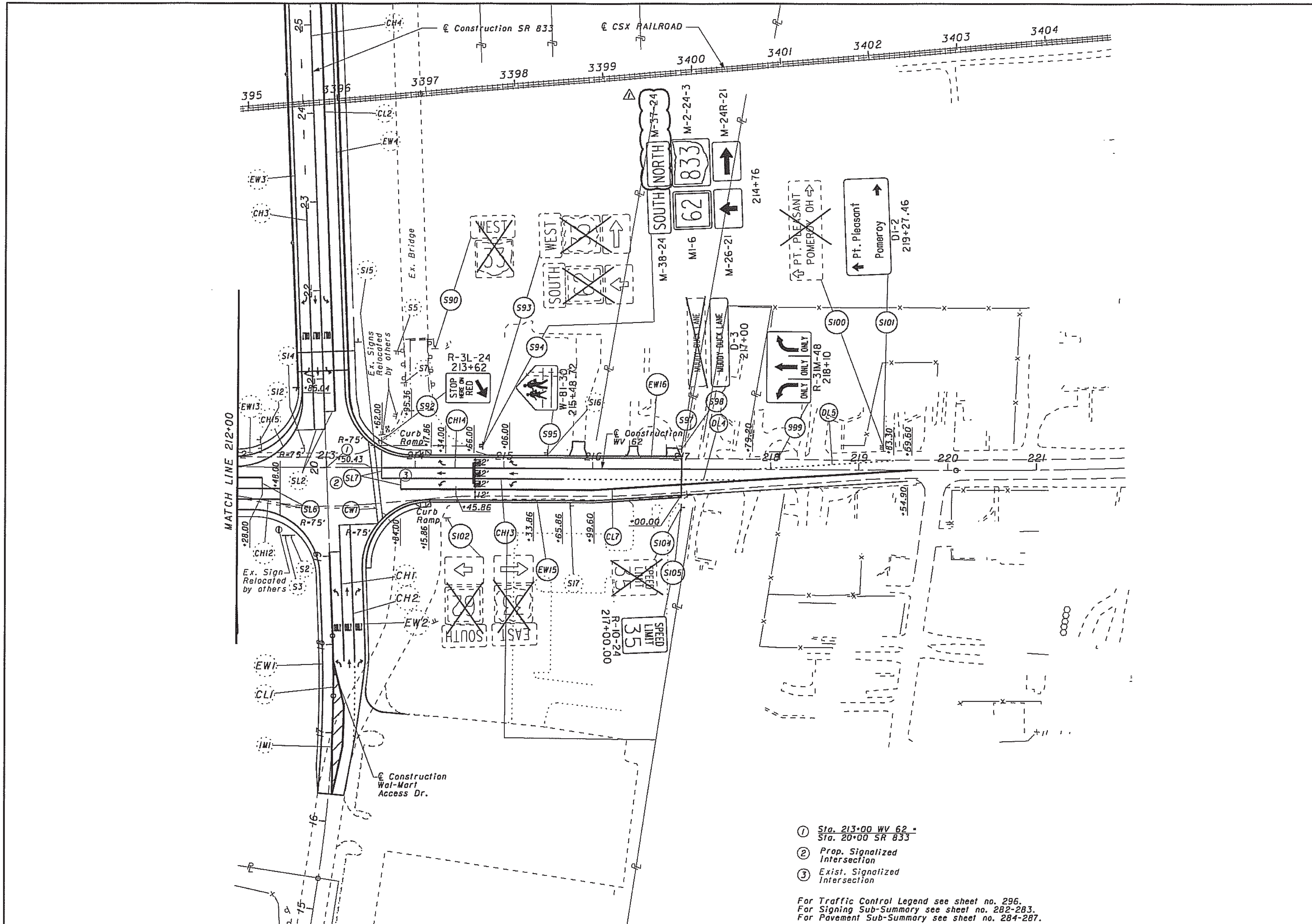
CALCULATED EHF
CHECKED AM

0 25 50 100
HORIZONTAL SCALE IN FEET

WV 62 TRAFFIC CONTROL PLAN
STA. 205+00 TO STA. 212+00

MEG-33-15.70

...\Traffic\ak TP400.DGN 5/18/2006 9:40:27 AM



1. Sta. 213+00 WV 62 = Sta. 20+00 SR 833
2. Prop. Signalized Intersection
3. Exist. Signalized Intersection

For Traffic Control Legend see sheet no. 296.
For Signing Sub-Summary see sheet no. 282-283.
For Pavement Sub-Summary see sheet no. 284-287.

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	SCC

HORIZONTAL SCALE IN FEET 0 25 50 100

CALCULATED EHF
CHECKED AM

WV 62 TRAFFIC CONTROL PLAN
STA. 212+00 TO STA. 219+59.63

MEG-33-15.70

Traffic Signal General Notes

POWER SUPPLY FOR TRAFFIC SIGNALS

Electric power shall be obtained from the American Electric Power at the location indicated on the plans. Power supplied shall be 120 volts.

625 GROUND ROD, AS PER PLAN

In addition to item 625.10, this item shall consist of furnishing and running of a seven (7) strand no. 4 copper wire from the top of the ground rod and attaching it to the neutral bar in the cabinet. Payment shall be made at the contract unit price per each.

632 LOOP DETECTOR UNITS, AS PER PLAN

In addition to the requirements of 632 and 732.07 or 732.08, loop detector units shall have the following requirements or features: The output device shall be a relay, and all contacts shall be in the wiring harness. The unit shall be self tuning. The unit's electrical connection plugs or wiring harness shall allow ready replacement with a single channel amplifier as described in the final paragraph of 732.07. Each unit shall be labeled to correspond to its phase and direction. Delay inhibit shall be connected on all detector harnesses for their respective phase greens.

632 PEDESTRIAN SIGNAL HEADS, TYPE A2, AS PER PLAN

Section 732.05 of the specifications is modified for this project as follows:

a) Signal heads and visors shall be constructed of polycarbonate plastic and meet ite specifications.
b) Plastic lenses shall be used.
c) Pipe, spacers and fittings constructed of polycarbonate plastic may be used in lieu of galvanized steel or aluminum.
d) Proper exterior colors shall be obtained by use of colored plastic material rather than painting.

STRAIN POLE FOUNDATION ELEVATIONS

Elevations shown in the plans for strain pole foundations are for computational purposes only. The actual elevation of the foundation shall be in accordance with TC-21.20 provided the existing slope is less than 6:1. at locations where the existing slope is 6:1 or greater, the buried depth of foundation, as shown in standard drawing TC-21.20 shall apply to the low side of the slope. The top of the foundation shall be set 2 inches above the existing surface on the high side of the slope. The additional depth of foundation necessary to meet these requirements shall be added to the formed top.

TRAFFIC SIGNAL SR833 AND WV62

Installation of the traffic signal at the SR833 and WV62 intersection shall be constructed in accordance with the West Virginia Department of Transportation Division of Highway Standard Specifications Road and Bridges Section 660 Traffic Signals.
All work shall be measured and payment made in accordance with Section 660 except payment Items shall be designated as Item Special listed below:

Item Special	Signal Controller 01	WV 66001-001
Item Special	Traffic Detector, LPS	WV 660002-005
Item Special	Signal Section, V-12 ,	WV 660003-006
Item Special	Signal Support	WV 660004-040
Item Special	Junction Box, TypeH	WV 660005-010
Item Special	Miscellaneous Signal 01,	WV 660007-001

Removal of the existing Traffic signal shall be performed in accordance with ODOT Construction and Material Specification Section 632.

632 PEDESTRIAN PUSHBUTTON, AS PER PLAN

In order to conform to the AMERICAN WITH DISABILITIES ACT (ADA), the requirements of 632.08 and 732.06 are modified as follows:

a) The maximum force required to operate the pushbutton shall be 5 pounds per foot.
b) The pushbutton shall be raised or flush and shall be a minimum of 2 inches at its smallest dimension

632 POWER SERVICE, AS PER PLAN

Power service shall be as per specification 632 and standard construction drawing TC-83.10 with the following exceptions:

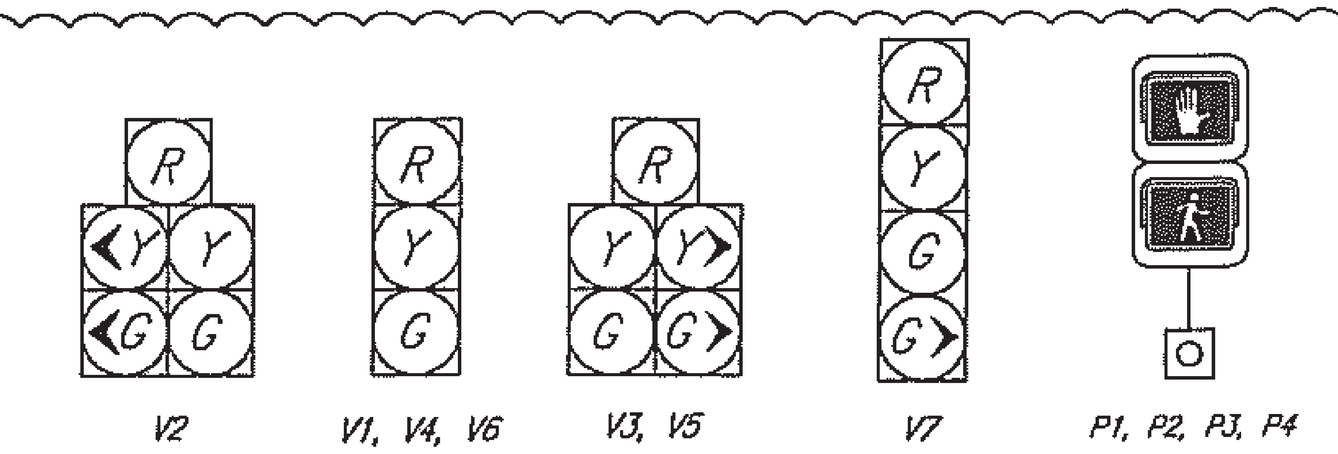
1. The meter base mounting height shall be no more than five (5) feet high to the center of the meter base from the ground.
2. The contractor shall supply the necessary meter bases.
3. All power services shall be metered. The meter shall have a lever operated bypass.

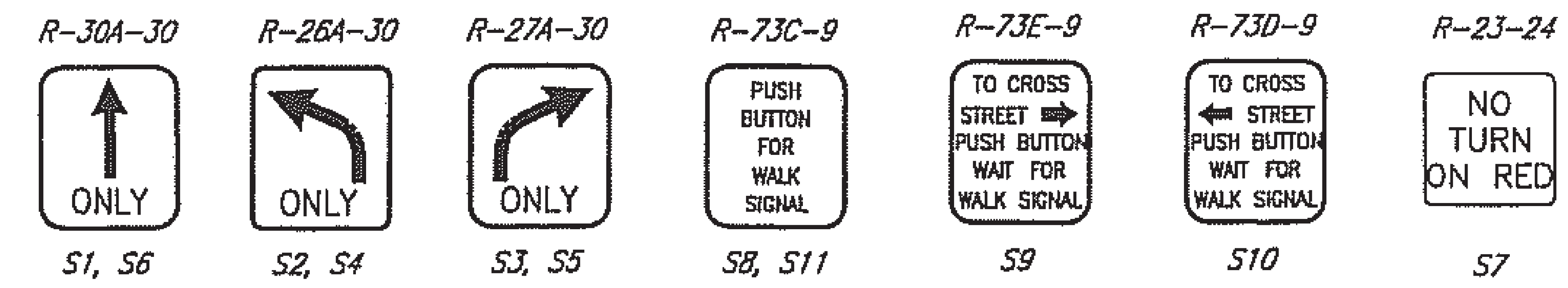
Disconnect switch enclosures furnished in accordance with Item 632, Power Service, As Per Plan, shall include a padlock equal to Master No. 4bka or Wilson Bohannon 660, with lock body of bronze or brass and keying shall be to the state master.

The contractor shall contact the meter section of the power company for information regarding the meter base installation prior to ordering poles. The contractor will be responsible for requesting and scheduling any inspections the power company may require for the power service hook up. The contractor shall be responsible to contact the power company for the electrical service connection. Under no circumstances shall the contractor splice power cable into the power company's circuits. The voltage supplied shall be nominally 120 volts. The contractor is responsible for obtaining any necessary permits and the paying of all fees. The contractor shall pay all power charges until the signal is accepted by the maintaining agency.

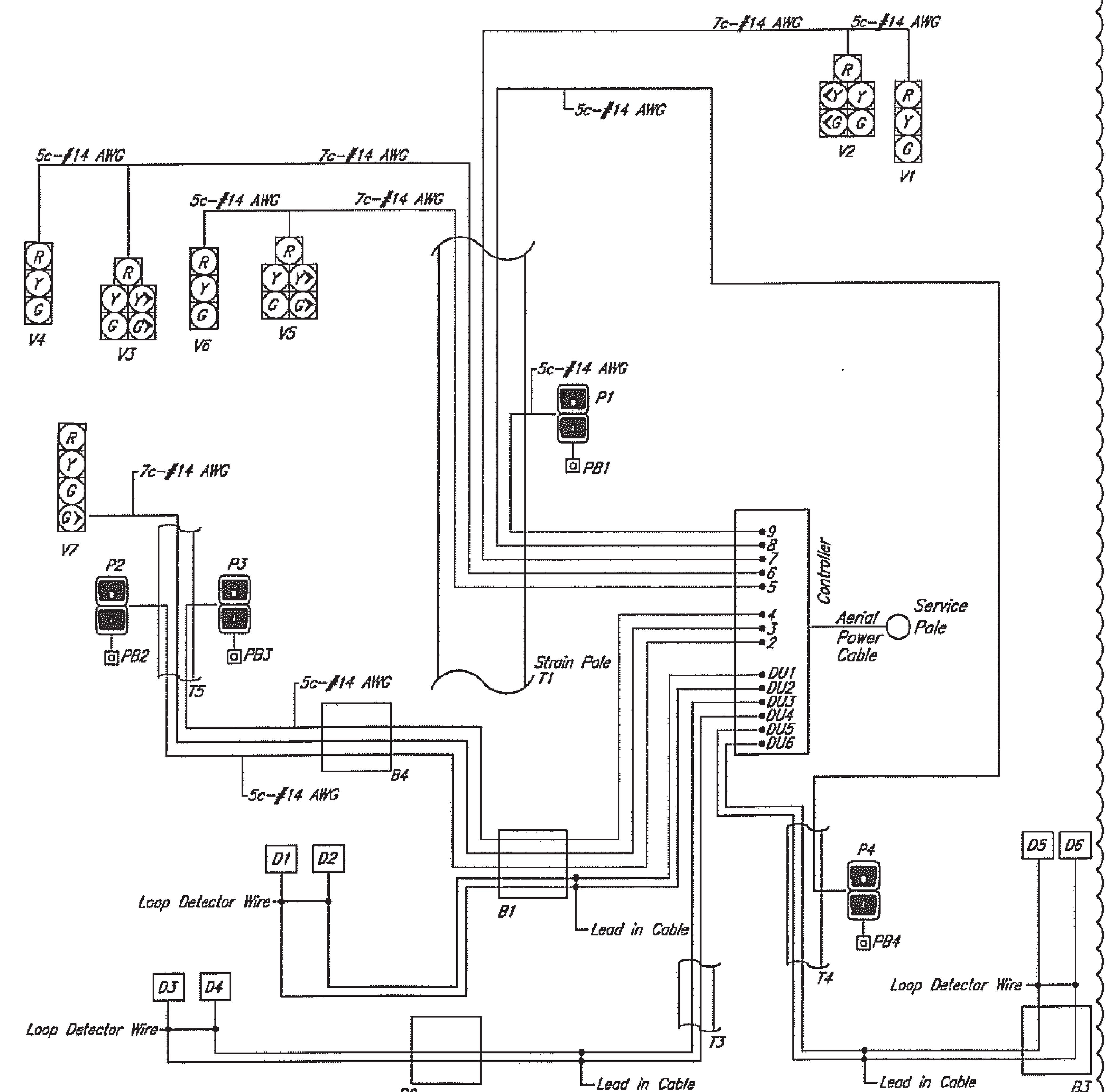
633 CONTROLLER, ACTUATED, 8 PHASE, SOLID STATE DIGITAL, MICROPROCESSOR AS PER PLAN

In addition to NEMA requirements, the conflict monitor shall have extended monitoring in accordance with 733.04 part 3b. The monitor shall also have the capability of monitoring each load switch separately, as shown in the load switch hook up diagram. In addition to the requirements of 733.04, the cabinet shall be wired so that controller pin connections associated with a given phase number shall match the phase number assigned to the specified traffic movement as shown on the plans. The controller cabinet shall be keyed to the state master. Controller cabinet size shall comply to the requirements of NEMA TS-1 section 14. Printed circuit board type back panels of the controller cabinet will not be acceptable. Soldered connections will be permitted for wiring on the back side of the back panel. All controller memories shall be nonvolatile and shall not require batteries or other sources of energy to retain data while power is removed from the controller. The design of the monitor shall use microprocessor architecture and liquid crystal displays. The monitor shall indicate the exact load switch channel in which the failure occurred. The conflict monitor shall have an event logging memory. A minimum of nine (9) events shall be logged. Examples of events include: Power Outages, Conflicts, Controller Voltage Monitor, etc. Events shall be displayed on the conflict monitor's liquid crystal display when interrogated. Payment for ITEM 633 Controller, Actuated, 8 Phase, Solid State Digital, Microprocessor, As Per Plan will be at the contract bid price per each, complete and in place including all connections, tested and accepted.





Signs



WIRING DIAGRAM

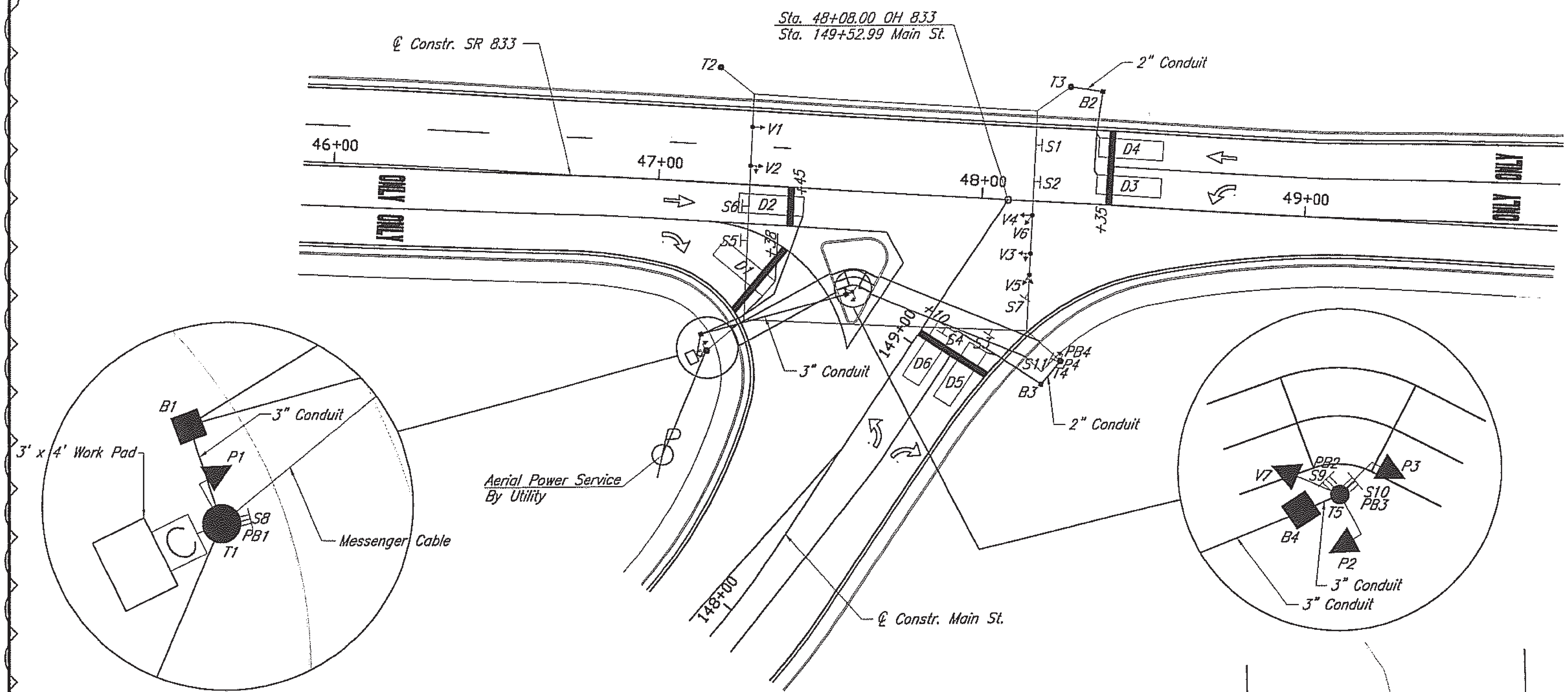
TRAFFIC SIGNAL GENERAL NOTES & SCHEMATIC
MAIN STREET AND SR833

MEG-33-15.70

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	JMB

CALCULATED SAO
CHECKED TKI

AK_LNK002018.DWG 31 May 2005



PLAN
PROPOSED TRAFFIC SIGNAL

TRAFFIC LEGEND

Existing	Proposed	Symbol	
		V	Vehicle signal
		V	Vehicle signal w/arrow
		P	Pedestrian signal
		T	Pole
		S	Sign
		C	Controller cabinet
		B	Pull box, junction box
		PB	Push button
		D	Loop detector

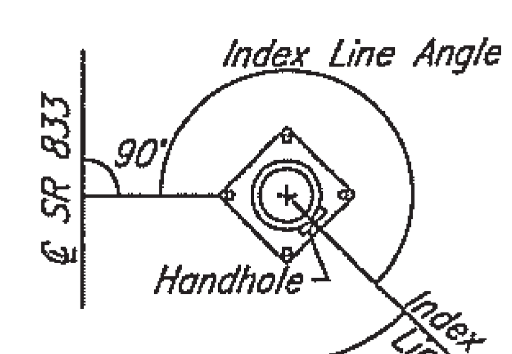
Pull Box	Station	Side	Offset (FT)
B1	47+16	Rt.	47'
B2	48+35	Lt.	35'
B3	149+10	Rt.	40'
B4	47+60	Rt.	32'

ITEM 632, PEDESTAL, 11'

Pole No.	Station	Offset (FT)	Foundation Elevation	(Index Line) Handhole	Angles (degrees) from Index line: Pedestal mounted signal bracket	Pedestrian signal bracket	Pedestrian pushbutton
T5	47+62	31' Rt	580.44	180	V7 20	P2 335	PB2 135
						P3 225	PB3 225

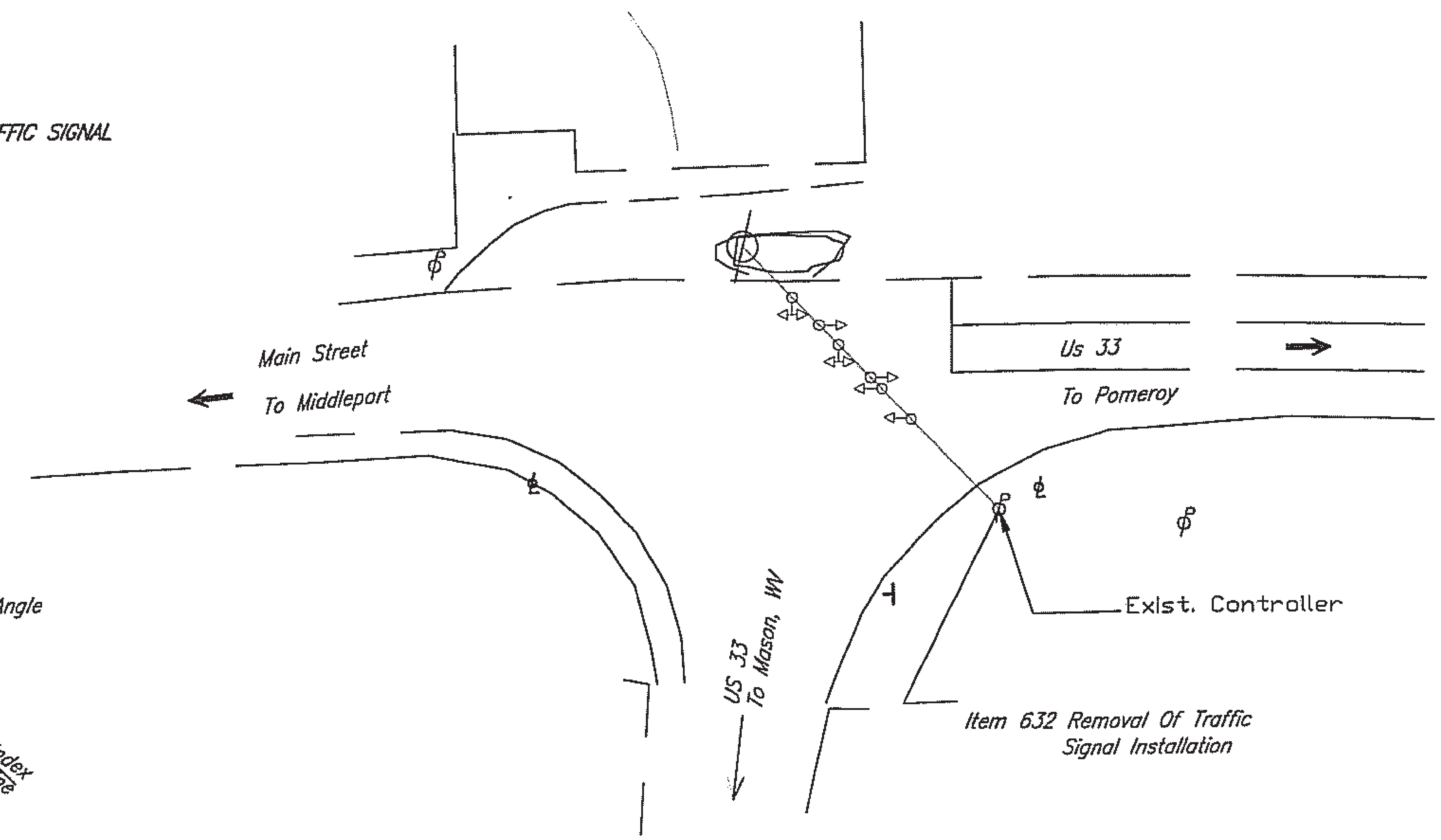
ITEM 632, STRAIN POLE

Pole No.	Station	Offset (FT)	Strain Pole Type TC 81.10 Design No	Pole height (FT)	Foundation Elevation	(Index Line) Handhole	Angles (degrees) from Index line: Controller	2" Conduit ell for signal cable	Pedestrian signal bracket	Pedestrian pushbutton
T1	47+18	52' Rt	No 7	30	580.68	225	0	177	P1 111	180
T2	47+17	36' LT	No 7	30	580.51	135				
T3	48+25	36' Lt	No 7	30	577.71	225				
T4	48+27	49' Rt	No 7	30	578.81	135			P4 203	160



Pole Item Angles

Notes:
1. All Angles Measured Clockwise.
2. Index Line Goes Through the Center of the Handhole.
3. See Traffic Control Sheets for Pavement Markings.
4. Loop detectors shall be centered in the lane.



PLAN
EXISTING TRAFFIC SIGNAL

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	JMB

CALCULATED SAO CHECKED JMB

HORIZONTAL SCALE IN FEET 0 10 20 40

TRAFFIC SIGNAL PLAN MAIN STREET AND SR833

MEG-33-15.70

306/582

AK_TS00.DWG 31 May 2005

CABLE SCHEDULE								
Cable Routing	Conduit 3", 713.04	Trench	Conduit 2", 713.04	Signal cable, 5 conductor No. 14 AWG	Signal cable, 7 conductor, No. 14 AWG,	Loop detector lead-in cable,	Detector Loop	Power cable, 3 conductor, No. 6 AWG,
ITEM	625	625	625	632	632	632	632	632
UNIT	Lin Ft	Lin Ft	Lin Ft	Lin Ft	Lin Ft	Lin Ft	Each	Each
V1,V2,T1,C				22	98			
V4,V3,T1,C				22	162			
V6,V5,T1,C				29	156			
V7,T5,B4,B1,C	54	54			90			
PB1,P1,T1,C				23				
PB2,P2,T5,B4,B1,C				91				
PB3,P3,T5,B4,B1,C				91				
PB4,P4,T4,T1,C				177				
D2,D1,B1,C						58	2	
D3,D4,B2,T3,T1,C		10	10			548	2	
D6,D5,B3,T4,T1,C		10	10			422	2	
Total To Traffic Control General Summary	54	74	20	455	509	1034	6	45

TRAFFIC SIGNAL DETECTORS							
LOOP DESIGNATION	SIZE (Ft)	SHAPE	PULSE OR PRESENCE	CALLING RELAY	DELAY OR EXTENSION (SEC)	CONNECT TO DETECTOR UNIT #	ASSOCIATED CONTROLLER MOVEMENT No.
D1	20X6	Rect	Pulse	STD		1	6
D2	20X6	Rect	Presence	STD		2	6
D3	20X6	Rect	Presence	STD		3	2
D4	20X6	Rect	Presence	STD		4	5
D5	20X6	Rect	Presence	STD		5	4
D6	20X6	Rect	Presence	STD		6	4

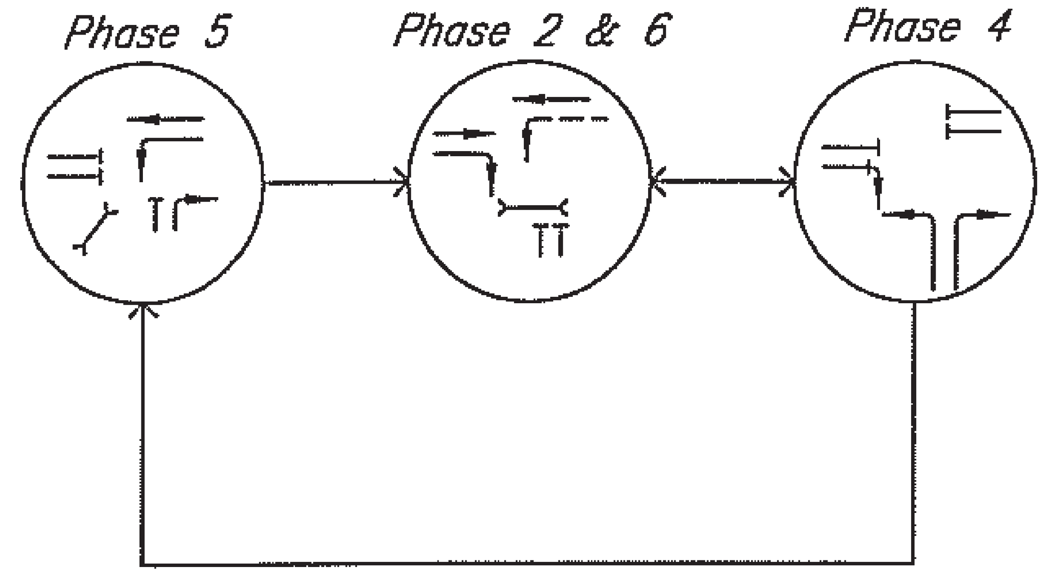
1

SUBSUMMARY			
Item	Amount	Unit	Description
625	4	Each	Pull Box, 713.08, 18"
625	5	Each	Ground Rod
630	7	Each	Sign hanger Assembly, Span Wire
630	52	Sq. Ft.	Sign, Flat Sheet, Type G
630	1	Each	Ground Rod, As Per Plan
632	367	Lin. Ft.	Messenger Wire, 7 Strand, 3/8 inch with Accessories
632	1	Each	Vehicular Signal Head, 3 section, 12 inch lens, One-Way
632	1	Each	Vehicular Signal Head, 4 section, 12 inch lens, One-Way
632	3	Each	Vehicular Signal Head, 5 section, 12 inch lens, One-Way
632	1	Each	Vehicular Signal Head, 3 Section, 12 inch lens, Two-Way
632	7	Each	Covering of vehicular signal head
632	1	Each	Power service, As Per Plan
632	1	Each	Conduit riser, 2 inch diameter
632	4	Each	Strain pole foundation
632	4	Each	Strain pole, TC-81.10 Design 7
632	1	Each	Pedestal, 11'
632	1	Each	Pedestal Foundation
632	Lump	Lump	Removal of Traffic Signal Installation
632	6	Each	Loop Detector Unit, As Per Plan
632	4	Each	Pedestrian Signal Head Type A2, As Per Plan
632	4	Each	Covering of Pedestrian Signal Head
632	4	Each	Pedestrian Push Button, As Per Plan
633	1	Each	Controller, Actuated, 8 Phase, Solid State Digital microprocessor, As Per Plan
633	12	Sq. Ft.	Controller Work Pad

NOTES:

1. Signal cable shall use 1 conductor for each lens, 1 conductor for common, and 1 conductor for spare (not connected).
2. Power cable shall be in riser outside pole from disconnect switch to weatherhead.

Phase 5 Phase 2 & 6 Phase 4



ACTUATED TRAFFIC SIGNAL CONTROLLER TIMING CHART

Intersection SR 833 and Main St.

Maintaining Agency Village of Pomeroy

START UP

START IN: Y/R FLASH (X) ; ALL RED ○

TIME FOR FLASH OR ALL RED 10 Sec

FIRST PHASE(S) # 2 + 6

COLOR DISPLAY: GREEN (X) ; YELLOW ○

DUAL ENTRY ○ φ 4 & φ 8

REST IN RED: RING 1○ : RING 2○

OVERLAP	A	B	C	D
PHASES				

INTERVAL OR FEATURE		CONTROLLER MOVEMENT NO. 1	2	3	4	5	6	7	8
INTERSECTION MOVMENT									
MINIMUM GREEN (INITIAL)	(SEC.)		12.0		10.0	8.0	12.0		
ADDED INITIAL *	(SEC/ACTUATION)		3.0		3.0	3.0	3.0		
PASSAGE TIME (PRESET GAP)	(SEC.)								
TIME BEFORE REDUCTION	* (SEC.)								
MINIMUM GAP	* (SEC.)								
TIME TO REDUCED	* (SEC.)								
MAXIMUM GREEN I	(SEC.)		21.0		19.0	16.0	21.0		
MAXIMUM GREEN II	(SEC.)								
YELLOW CHANGE	(SEC.)		3.0		3.0	3.0	3.0		
ALL RED CLEARANCE	(SEC.)		2.0		2.0	–	2.0		
WALK	(SEC.)		7.0		–	7.0	7.0'		
PEDESTRIAN CLEARANCE	(SEC.)		14.0		–	9.0	14.0		
RECALL MAXIMUM	(ON/OFF)		OFF		OFF	OFF	OFF		
RECALL MINIMUM	(ON/OFF)		ON		OFF	OFF	ON		
RECALL PEDESTRIAN	(ON/OFF)		OFF		OFF	OFF	OFF		
MEMORY	(ON/OFF)								
CALL TO NON-ACTUATED	NO. 1								
CALL TO NON-ACTUATED	NO. 2								

* VOLUME DENSITY CONTROLS

Signal shall flash all red for:

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	JMB

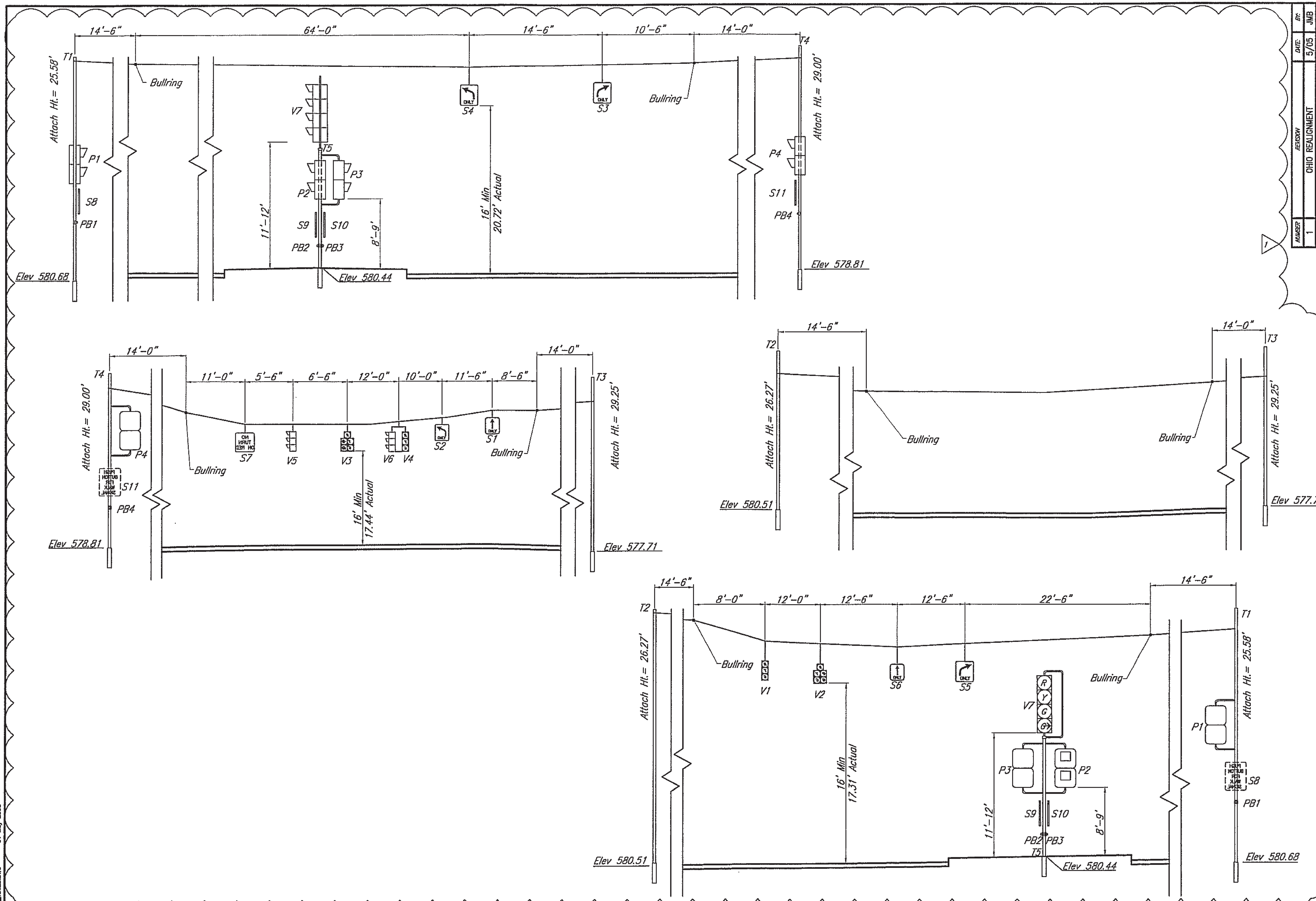
CALCULATED JMB
CHECKED TKI

TRAFFIC SIGNAL TIMING & SUBSUMMARY MAIN STREET AND SR833

MEG-33-15.70

307
582

AK_TS01.DWG 31 May 2005



NUMBER | REVISION | DATE | BY
1 | OHIO REALIGNMENT | 5/05 | JMB

CALCULATED SAO
CHECKED TKI

TRAFFIC SIGNAL ELEVATION MAIN STREET AND SR833

MEG-33-15.70

308/582

AK_TS02B.DWG 31 May 2005

PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJECT NO.	FEDERAL PROJECT NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W. V.	1			2002	KANAWHA		

SG-1

SIGNAL SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY		
		ALT.	UNIT	TOTAL
660001-001	SIGNAL CONTROLLER 01		LS	1
660002-005	TRAFFIC DETECTOR, LPS-C		EACH	6
660003-006	SIGNAL SECTION, V-12		EACH	34
660004-040	SIGNAL SUPPORT, C1		EACH	4
660005-010	JUNCTION BOX , TYPE H		EACH	6
660007-001	MISCELLANEOUS SIGNAL 01		LS	1
663005-010	STOP LINE, TYPE V (24")		LF	200

SIGNAL DOWNTIME

THE EXISTING SIGNAL SHALL REMAIN ON FOR AS LONG AS POSSIBLE. SIGNAL DOWNTIME (SWITCH FROM OLD TO NEW) SHALL BE LIMITED TO 4 HOURS. FLAGGING TO BE PROVIDED BY THE CONTRACTOR DURING THIS DOWNTIME.

SIGNAL REMOVAL

THE CONTRACTOR SHALL REMOVE THE EXISTING SIGNAL (POLES, HEADS, CONTROLLER, POWER SERVICE AND CABLE) WHEN THE NEW SIGNAL IS TURNED ON. THE EXISTING CONTROLLER AND CABINET SHALL BE REMOVED AND DELIVERED TO THE WVDOH CENTRAL SIGNAL SHOP ON DRY BRANCH RD. NEAR CHARLESTON THE FOUR WOOD SIGNAL POLES TO BE REMOVED AND BECOME THE CONTRACTOR'S PROPERTY. BID THIS WORK AS PART OF ITEM 660007-001.

COORDINATION NOTE

1. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING SIGNAL WORK WITH ROADWAY WORK IN THE AREA OF SIGNAL INSTALLATION.
2. ALL LOOPS ARE TO BE INSTALLED INTO FINAL PAVEMENT AND ALL POLE FOUNDATIONS TO BE BUILT AT FINAL GRADE.

SPECIAL SIGNAL CONTROLLER REQUIREMENTS:

IN ADDITION TO REQUIREMENTS IN THE STANDARD SPECIFICATION THE CONTROLLER UNIT MUST FEATURE A 'MENU DRIVEN FORMAT' AND FULLY WIRED 'D' CONNECTORS.
ALL CONTROLLERS SHALL BE SYSTEM READY, COMPLETE WITH MODEMS.
THE TRAFFIC SIGNAL CONTROLLER/ CABINET AND SYSTEM COMPONENTS SHALL CONFORM TO THE WVDOH 'APPROVED PRODUCTS LIST' (APL) AS PER MANUFACTURER

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

SIGNAL SUMMARY OF QUANTITIES
US 33/ WV 62 AT MASON BRIDGE
MASON, MASON CO. WV

CALCULATED | CHECKED

TRAFFIC SIGNAL SR 833 AND WV 62 SUMMARY OF QUANTITIES
MASON, MASON CO. WV

MEG-33-15.70

309
582

WVSG1.DWG 3 AUG 2002

PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJECT NO.	FEDERAL PROJECT NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W. V.	1			2002	MASON		

CALCULATED | CHECKED

SG-2

WEST VIRGINIA SIGNAL INSTALLATION GOVERNING SPECIFICATIONS

1. THE WEST VIRGINIA DIVISION OF HIGHWAYS SPECIFICATIONS FOR ROADS AND BRIDGES ADOPTED 2000, THE WVDOH SUPPLEMENTAL SPECIFICATIONS DATED JULY 1, 2001, THE CONTRACT DOCUMENTS AND THE CONTRACT PLANS ARE THE GOVERNING PROVISIONS APPLICABLE TO THIS PROJECT.

1A. THE NATIONAL ELECTRICAL CODE, STANDARDS OF THE NATIONAL BOARD OF FIRE UNDERWRITERS FOR ELECTRICAL WIRING AND APPARATUS.

1B. THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION , DIVISION OF HIGHWAYS, STANDARD DETAILS BOOK, VOLUME II, DATED JANUARY 1, 1994 SHALL APPLY TO THE WEST VIRGINIA SIGNAL INSTALLATION.

SIGNAL SYSTEMS

2. "INSTALLATION OF THIS SIGNAL SYSTEM SHALL ONLY BE CONSIDERED SUBSTANTIALLY COMPLETE WHEN ALL PRESCRIBED SIGNAL SYSTEMS FUNCTIONS AND ROADWAY DETECTION SYSTEMS ARE OPERATIONAL".

GENERAL NOTES

3. REPLACEMENT OF ALL CONCRETE AND ASPHALT SHALL BE DONE IN ACCORDANCE TO ORIGINAL DESIGN THICKNESS WHERE IT HAS BEEN DISTURBED OR REMOVED TO INSTALL POLES OR CONDUIT AT THE CONTRACTOR'S EXPENSE.

4. ALL AREAS ON THIS PROJECT WHICH HAVE BEEN SEEDED BY OTHERS AND WHICH ARE DISTURBED BY THE CONTRACTOR IN PERFORMING THE REQUIREMENTS OF THIS CONTRACT SHALL BE REPLACED TO THEIR ORGINAL CONDITION BY APPROVED SEEDING AND MULCHING METHODS AND MATERIALS AS DIRECTED BY THE ENGINEER. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR THIS WORK.

5. THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. ANY DAMAGE INCURRED SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

6. THE CONTRACTOR SHALL COORDINATE HIS ACTIVITIES WITH THE FOLLOWING AGENCIES IN THE MASON AREA:

AMERICAN ELECTRIC POWER — CONNIE McCLELLAN — 746-2673
VERIZON — ROGER STEWART — 344-6684
ALLEGHENY POWER (GAS) — CAROL GODLSBY — 348-1651
WVAWC — LOU AIELLO — 340-2977

7. COLOR CODING OF ELECTRICAL CONDUCTORS BY USE OF PHASE TAPE OR FIELD PAINT IS NOT ACCEPTABLE ON THIS PROJECT. CONDUCTORS MUST BE MANUFACTURER-COLORED, STRIPED OR RIGID-MARKED AS SPECIFIED.

8. ALL NEW METALLIC SIGNAL EQUIPMENT SUCH AS POLES CONDUIT AND CABINETS MUST BE DIRECTLY BONDED TOGETHER BY A SPECIAL RUN SINGLE-CONDUCTOR # 8 AWG STRANDED COPPER WIRE. THE WIRE MUST BE INSULATED, COLOR CODED GREEN AND CONNECTED AT EACH BONDING POINT BY USE OF SCREW-TYPE COPPER OR BRONZE LUGS. IN ADDITION TO THIS BONDING, CONDUCTOR MUST BE CONNECTED TO ALL GROUND RODS IN THE SIGNAL SYSTEM AND TO THE EQUIPMENT GROUND BAR BUSS IN THE CONTROLLER CABINET.

9. TRAFFIC SIGNAL GROUND ROD CONNECTORS MUST BE ATTACHED AND SECURELY FASTENED BOTH AT FOUNDATION AND INSIDE POLE PRIOR TO ERECTION OF POLE. ENOUGH SLACK IN THE GROUNDING WIRE MUST BE ALLOWED FOR ERECTION OF POLE. BOTH CONNECTIONS MUST AGAIN BE CHECKED AFTER POLE IS INSTALLED.

10. EXCAVATIONS FOR TRAFFIC SIGNAL CONDUIT NOT UNDER ROADWAY OR SHOULDER AREAS, UNDER 12" IN WIDTH AND 30" IN DEPTH, MAY BE BACKFILLED IN LAYERS NOT EXCEEDING 4" AFTER COMPACTION. SPECIFIC DENSITY TESTS WILL NOT BE REQUIRED WHEN ACCEPTED COMPACTION TECHNIQUES ARE USED AND THE BACKFILLED EXCAVATION DENSITY IS COMPARABLE TO THAT OF THE SURROUNDING GROUND.

11. AC - (COMMON), LOGIC GROUND AND CHASSIS GROUND MUST BE ISOLATED IN THE CONTROLLER AND DETECTOR CIRCUITRY AS REQUIRED IN THE NEMA STANDARDS.

12. ALL NEW POLE BASES SHALL BE PROVIDED WITH VARMINT SCREENS.

13. CONDUIT INSTALLATION NOTE

CONDUIT SHALL BE INSTALLED BY APPROVED JACKING OR DRILLING METHODS. PAVEMENT, BRICK OR EXISTING SIDEWALK SHALL NOT BE DISTURBED UNLESS APPROVED BY THE ENGINEER. IN THE EVENT THAT THE SIDEWALK HAS TO OPENED THE ENTIRE SECTION OF SIDEWALK MUST BE REPLACED, JOINT TO JOINT. UNLESS OTHERWISE DIRECTED BY PROJECT ENGINEER. BID THIS WORK AS PART OF ITEM 660007-001( ) FOR INTERSECTION WORK.

14. THREADED COUPLINGS TO BE USED TO CONNECT METAL CONDUITS. SET SCREW COUPLINGS, SLIP JOINTS AND CONTINUOUS RUNNING THREADS ARE NOT ACCEPTABLE.

15. UTILITY NOTE

THE CONTRACTOR MUST NOTIFY ALL APPLICABLE UTILITIES PRIOR TO ANY EXCAVATION FOR EXACT LOCATION OF THEIR UNDERGROUND FACILITIES. EXTREME CAUTION SHALL BE USED IN THESE AREAS ESPECIALLY IN EXCAVATING FOR FOUNDATIONS AND THE JACKING OF CONDUIT. IF NECESSARY THE CONTRACTOR SHALL HAND DIG TO LOCATE LINES OR SHALL OPEN CUT IN AREAS OF POSSIBLE CONFLICT. THESE AREAS TO BE DETERMINED BY THE PROJECT ENGINEER. CONTACT "MISS UTLITY" PRIOR TO ANY EXCAVATING.

TRAFFIC CONTROLLERS/DETECTORS

SIGNAL POWER SERVICE

1. CONTRACTOR SHALL INSTALL A POWER SERVICE (METER, MAIN DISCONNECT) ON SIGNAL POLE P1 AS SHOWN IN THESE PLANS AND THEN POWER SERVICE CABLE TO BE INSTALLED TO THE CONTRACTOR IS RESPONSIBLE FOR ALL FEES ASSESSED BY THE POWER CO. CONTRACTOR SHALL CONTACT AEP AT LEAST 3 WEEKS PRIOR TO NEED FOR "APPLICATION FOR SERVICE" (1-800-982-4237)

2. THE NEW CONTROLLER MUST PROVIDE A TRUE MENU FORMAT FOR DATA ENTRY AND OPERATIONAL MONITORING. ALL CONTROLLER PARAMETERS INCLUDING OVERLAPS MUST BE KEYBOARD PROGRAMMABLE. AS A MINIMUM, A LIGHTED FORTY (40) COLUMN BY FOUR (4) LINE LIQUID CRYSTAL DATA DISPLAY SCREEN MUST BE PROVIDED ON THE FRONT OF THE CONTROLLER. THE DISPLAY MUST BE EASILY VISIBLE IN BOTH FULL DAYLIGHT AND AT NIGHT. BACK LIGHTING THE DISPLAY IS REQUIRED.

3. THE CONTRACTOR MAY USE "BONDO 575" OR "CHEMQUE Q-SEAL 290S" LOOP DETECTOR SEALANT AS AN ALTERNATIVE TO WEATHERBAN 101 SEALER AS STATED IN SECTION 660.9.

3A. ALL CONDULETS FROM POLE TO CONTROLLER SHALL BE 3".

4. THE CONTRACTOR SHALL AVOID PLACING LOOPS THROUGH JOINTS OR CRACKED AREAS AS MUCH AS POSSIBLE. THE LOOP PLACEMENT AS SHOWN ON THE PLAN SHEET MAY BE ADJUSTED UP TO 5' EITHER WAY TO AVOID THESE AREAS.

5. LOOP TRAFFIC DETECTORS (TYPE LPS-C)

LOOP TRAFFIC DETECTOR SHALL BE CARD-RACK-MOUNTED TYPE (MEET REQ. SECTION 715.42.5.2.). RACKS FOR THESE UNITS ARE TO BE INSIDE THE CONTROLLER CABINET AND SECURELY ATTACHED TO THE MOUNTING SHELF. THE RACKS MUST HAVE A MINIMUM OF 10 (TEN) POSITIONS AND BE WIRED FOR 2 CHANNEL DETECTOR CARD, WITH POSITIONS 9 and 10 WIRED FOR PRIORITY VEHICLE PRE-EMPT CONTROL SYSTEMS. POSITIONS 1 thru 8 MUST BE FURNISHED COMPLETE WITH 2 CHANNEL STANDARD TS-2, SECTION 6. RACK MOUNTED POWER SUPPLY MUST ALSO BE FURNISHED WITH THESE UNITS AS WELL AS ALL ISOLATION COMPONENTS AS RECOMMENDED OR FURNISHED AS A STANDARD BY THE EQUIPMENT MANUFACTURER. BID AS ITEM 660002-005LPS-C. FOUR MANUFACTURER'S MODELS HAVE BEEN APPROVED FOR THIS PROJECT:

(1) SARASOTA SERIES 222 (NEMA STANDARDS)
MFG. BY SARASOTA-PEEK TRAFFIC, INC.
SARASOTA, FLORIDA

(2) DETECTOR SYSTEMS MODELS 222 (NEMA STANDARDS)
MFG. BY DETECTOR SYSTEMS, INC.
STANTON, CALIFORNIA

(3) CANOGA MODELS P422 (NEMA STANDARDS)
MFG. BY 3M TRAFFIC CONTROL DEVICES
ST. PAUL, MINNESOTA

(4) EDI MODEL LM 622 (NEMA STANDARDS)
MANUFACTURED BY EBERLE DESIGN, INC.
PHOENIX, ARIZONA.

6. LOOP NOTE

ALL LOOPS TO HAVE THREE (3) TURNS OF #14 WIRE EXCEPT AS NOTED. TRAFFIC LOOP CABLE FROM 3/4" FLEXIBLE CONDUIT ENTRANCE IN PAVEMENT TO THE LOOP WIRE TERMINALS IN JUNCTION BOX/CONDULET SHALL BE TWISTED TOGETHER WITH APPROXIMATELY FIVE (5) TURNS PER FOOT. THE LOOP LEAD-IN CABLE FROM THE LOOP WIRE TERMINAL IN JUNCTION BOX/CONDULET TO THE DETECTOR TERMINALS SHALL HAVE TWO (2) TURNS PER FOOT.

7. AS A MINIMUM TWO (2) HEAVY-DUTY, TWELVE (12) CIRCUIT (IN and OUT) TERMINAL BLOCKS SHALL BE ADDED TO THE CONTROLLER CABINET. THESE TERMINAL BLOCKS MUST BE PLACED IN AN ACCESIBLE POSITION, AHEAD OF THE DETECTOR PANEL TO INTERCEPT THE IN-COMING DETECTOR FEEDER CABLES. DETECTOR CALLS ARE THEN TO BE ROUTED TO THE DETECTOR PANEL FROM THE TERMINAL BLOCKS VIA TWISTED PAIR. NOTE: FOR RACK MOUNTED DETECTOR SYSTEMS MORE THAN ONE (1) PAIR FEEDER CABLE MAY BE USED, WITH THE APPROVAL OF THE ENGINEER. ALL DETECTOR FEEDER CABLE ENTERING THE CONTROLLER CABINET MUST BE CLEARLY AND PERMANENTLY MARKED AS TO FUNCTION. EXAMPLE: DET 1 CH 2 (MEANING RACK DETECTOR 1 CHANNEL 2). DETECTOR FEEDER CABLE SHIELDS ARE NOT TO BE GROUNDED, UNLESS REQUIRED BY THE ENGINEER.

8. DETECTOR FEEDER CABLE

LOOP LEAD-IN WIRE FROM THE LOOP CONDUCTOR TO THE DETECTOR TERMINAL STRIP SHALL BE STRANDED TWO (2) CONDUCTOR, SHEILDED, 14 AWG MEETING IMSA SPECIFICATIONS 50-2.

9. METAL OXIDE VARISTORS (MOV'S)

MOV SURGE PROTECTORS OF APPROVED DESIGN MUST BE INSTALLED AT ALL LINE TO NEUTRAL, LINE TO EQUIPMENT GROUND AND NEUTRAL TO EQUIPMENT GROUND LOCATIONS. IN ADDITION, MOV'S ARE REQUIRED ON THE LOAD TERMINAL OF LOAD SWITCHES AND EACH TERMINAL OF THE OUTPUT TERMINAL STRIP. BID AS PART OF ITEM 660001-001 PER INTERSECTION

10. LOOP WIRE

LOOP WIRE (IN PAVEMENT) SHALL BE STRANDED #14 AWG THHN SINGLE CONDUCTOR.

SIGNAL HEAD CONDUCTOR CABLE

11. ALL SIGNAL HEAD CONDUCTOR CABLE SHALL BE IMSA BLACK PE, 20-1, 7-CONDUCTOR, 14 AWG STRANDED COPPER CABLE RATED AT 600V. THIS CONDUCTOR CABLE SHALL BE RED, ORANGE, GREEN, BLACK, WHITE, AND TWO (2) DIFFERING COLORS. IN ACCORDANCE WITH IMSA SPEC COLOR CODE.

POLES

1. POLE LOCATIONS ON THE PLAN SHEETS MAY BE ALTERED ONLY WITH THE APPROVAL OF THE WEST VIRGINIA DIVISION OF HIGHWAYS, TRAFFIC ENGINEERING DIVISION.

2. ALL NEW POLE LOCATION DIMENSIONS ARE TO THE CENTER OF POLE FOUNDATION.

3. ALL NEW POLE COUPLINGS (WIRE SERVICE ENTRIES) SHALL BE 3".

4. FOUNDATION SIZES FOR NEW POLES SHALL BE IN ACCORDANCE WITH WEST VIRGINIA DIVISION OF HIGHWAYS STANDARD TES-40.

5. ALL NEW SIGNAL POLES (4) AND THEIR ANCHOR BOLTS (16) ARE TO BE SUPPLIED AND INSTALLED BY THE CONTRACTOR.

SIGNAL HEADS

1. ALL SIGNAL HEADS FOR THIS PROJECT SHALL HAVE CUTAWAY VISORS. SIGNAL HEADS 1, 2, 3 & 4 SHALL HAVE ALUMINUM BODIES, BACKPLATES, DOORS AND VISORS. ALL OTHER SIGNAL HEADS IN THIS PROJECT SHALL BE NON-METALLIC. BACKPLATES SHALL BE LOUVERED, AND BLACK.

2a. ALL NEW 12 INCH VEHICULAR SIGNAL SECTIONS SHALL UTILIZE LIGHT EMMITING DIODE (L.E.D.) SIGNAL MODULES AT 120 VAC. ALL UNITS SHALL NOT UTILIZE MORE THAN 22 WATTS POWER CONSUMPTION.

b. THESE L.E.D. MODULES SHALL BE CAPABLE OF RETROFITTING CURRENT NEMA TS-1 SIGNAL HEADS HOUSINGS.

c. ALL L.E.D. TRAFFIC SIGNAL MODULES SHALL BE BID INCIDENTAL TO ITEM 660003-006(V-12).

d. ALL TRAFFIC SIGNAL MODULES SHALL CONFORM TO THE WVDOH SPECIFICATION (SEE PROPOSAL) CONCERNING L.E.D. SIGNAL MODULES.

e. SEE THE APPROVED PRODUCTS LIST (APL) FOR THE APPROVED LED MANUFACTUERS.

PEDESTRIAN NOTES

1. ISOLATION RELAY NOTE

EACH VEHICLE DETECTOR THAT ARE NOT LOCATED IN THE CONTROLLER OR MASTER CABINET, MUST BE PROVIDED WITH ISOLATION RELAYS. IN ADDITION, ALL PEDESTRIAN PUSH BUTTONS (WHEN APPLICABLE) MUST BE PROVIDED WITH ISOLATION RELAYS. THE RELAYS ARE TO PROTECT THE CONTROL EQUIPMENT FROM INDUCED VOLTAGES AND OTHER EXTERNAL INTERFERENCE. THE ISOLATION RELAYS MUST BE LOCATED IN THE CONTROLLER (OR MASTER) CABINET. THE 24 VOLT CONTROLLER DETECTION AND LOGIC COMMON CIRCUITS ARE NOT TO RUN EXTERANL TO THE CONTROLLER OR MASTER CABINETS. THE 24 VOLT POWER SUPPLY FOR THE EXTERNAL ISOLATION SYSTEM MUST BE PROVIDED. THE 24 VOLT INTERNAL POWER SUPPLY FROM THE CONTROLLER UNIT CAN NOT BE USED IN THE EXTERNAL ISOLATION SYSTEM.

2. ALL PEDESTRIAN PUSH BUTTONS SHALL BE THE TAMPER/FREEZE PROOF TYPE WITH RUBBER MEMBRANE SEAL.

3. PEDESTRIAN SIGN NOTE

ALL R10-3a, R10-4a AND R10-4 SIGNS SHALL BE 9" x 12". THEY SHALL BE THE CONFORMABLE TYPE AND BE 3M-SERIES 3870 WITH PRESSURE SENSITIVE ADHESIVE OR AN APPROVED EQUAL. THESE SHALL BE INSTALLED AS SHOWN ON THE INDIVIDUAL INTERSECTIONS SHEETS. BID THIS WORK AND MATERIAL AS PART OF ITEM 660-07 (*); - PER INTERSECTION.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

SIGNAL GENERAL NOTE SHEET
US 33/ WV 62 AT MASON BRIDGE
MASON, MASON CO. WV

TRAFFIC SIGNAL SR 833 AND WV 62 GENERAL NOTE
MASON, MASON CO. WV

MEG-33-15.70

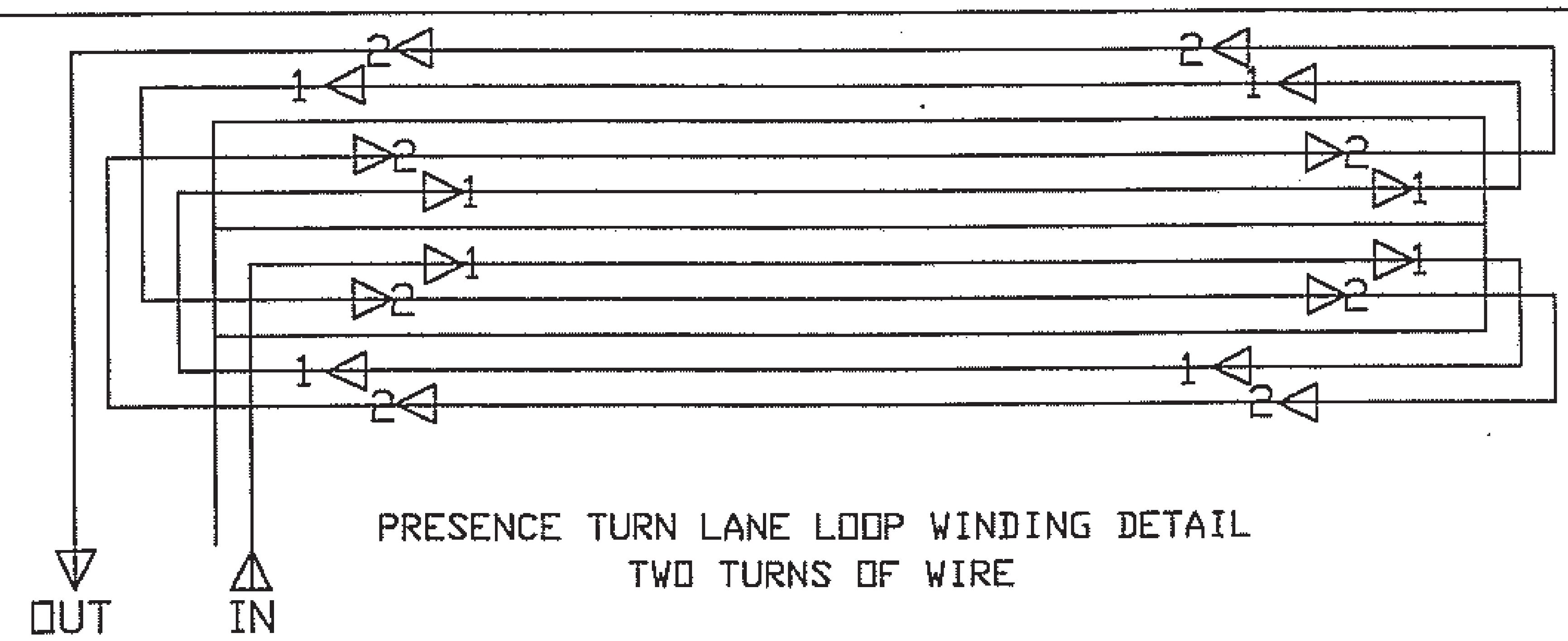
310
582

WVS02.DWG 3 AUG 2002

PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJECT NO.	FEDERAL PROJECT NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W. V.	1			2002	MASON		

CALCULATED | CHECKED

SG-3



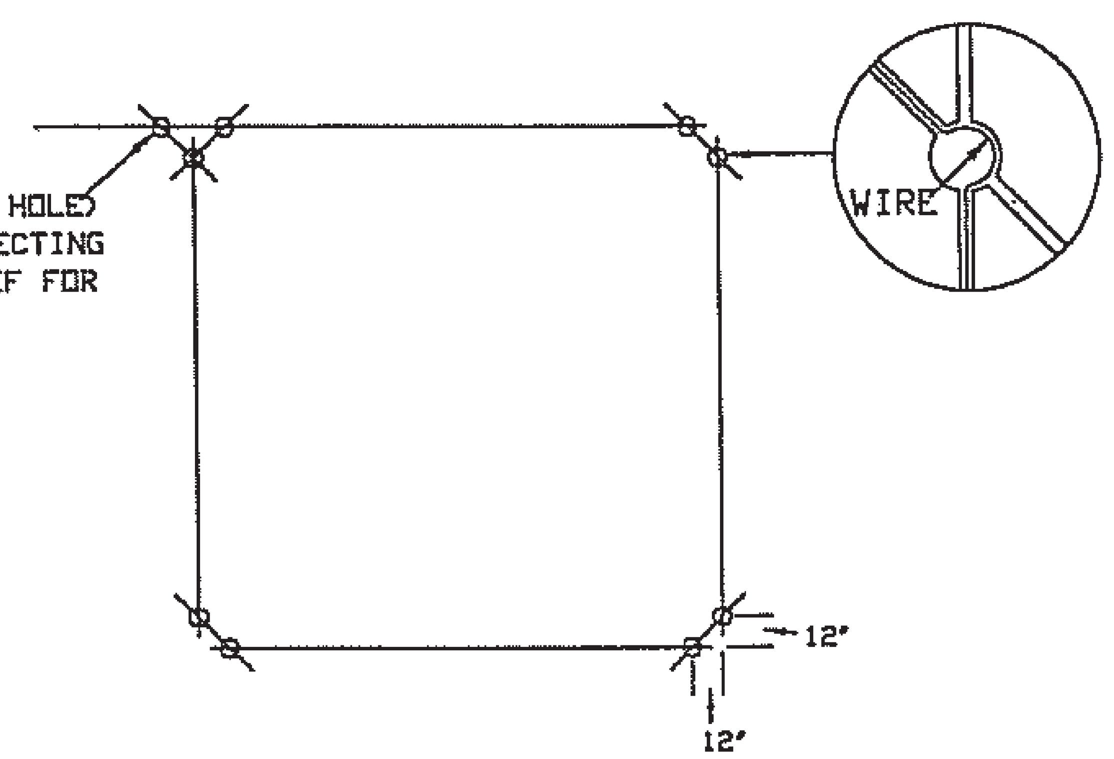
PRESENCE TURN LANE LOOP WINDING DETAIL
TWO TURNS OF WIRE

DETAIL 'A'
QUADRUPOLE CONFIGURATION

US 33/ WV 62 AT MASON BRIDGE
ESTIMATE OF QUANTITIES

LIST	QUANTITY	DESCRIPTION
1	1	CONTROLLER - 660001-001(01) TYPE C
2	1	SIGNAL MONITORING DEVICE
3	1	CONTROLLER & DETECTOR CABINET (UNIT) (POLE MOUNT)
4	6	DETECTOR (TYPE LPS-C)
5	1	POWER SERVICE
6	4	STEEL STRAIN POLES (TYPE C1)
7	16	ANCHOR BOLTS (2" X 90")
7A	4	FOUNDATIONS
8	6	JUNCTION BOXES (TYPE H)
9	AS NEEDED	MISCELLANEOUS HARDWARE & ITEMS
10	AS NEEDED	CONDUIT, CONDUCTOR CABLE & MESSENGER CABLE
11	AS NEEDED	SAWSLOT, FILLER & LOOP WIRE
12	4	ONE-WAY 3 SECTION 12" R. Y. G. ; SW
13	3	ONE-WAY 5 SECTION 12" R. Y. G. ←Y ←G ; SW
14	1	ONE-WAY 4 SECTION 12" R. Y. G. , →G ; PM
15	2	PEDESTRIAN PUSH BUTTONS & SIGN (1-R10-3aL; 1-R10-3aR)

AN EXPANSION SLOT (3/4 " DIA. HOLE) SHALL BE PLACED AT EACH INTERSECTING SAW CUT TO PROVIDE STRESS RELIEF FOR THE LOOP CONDUCTORS

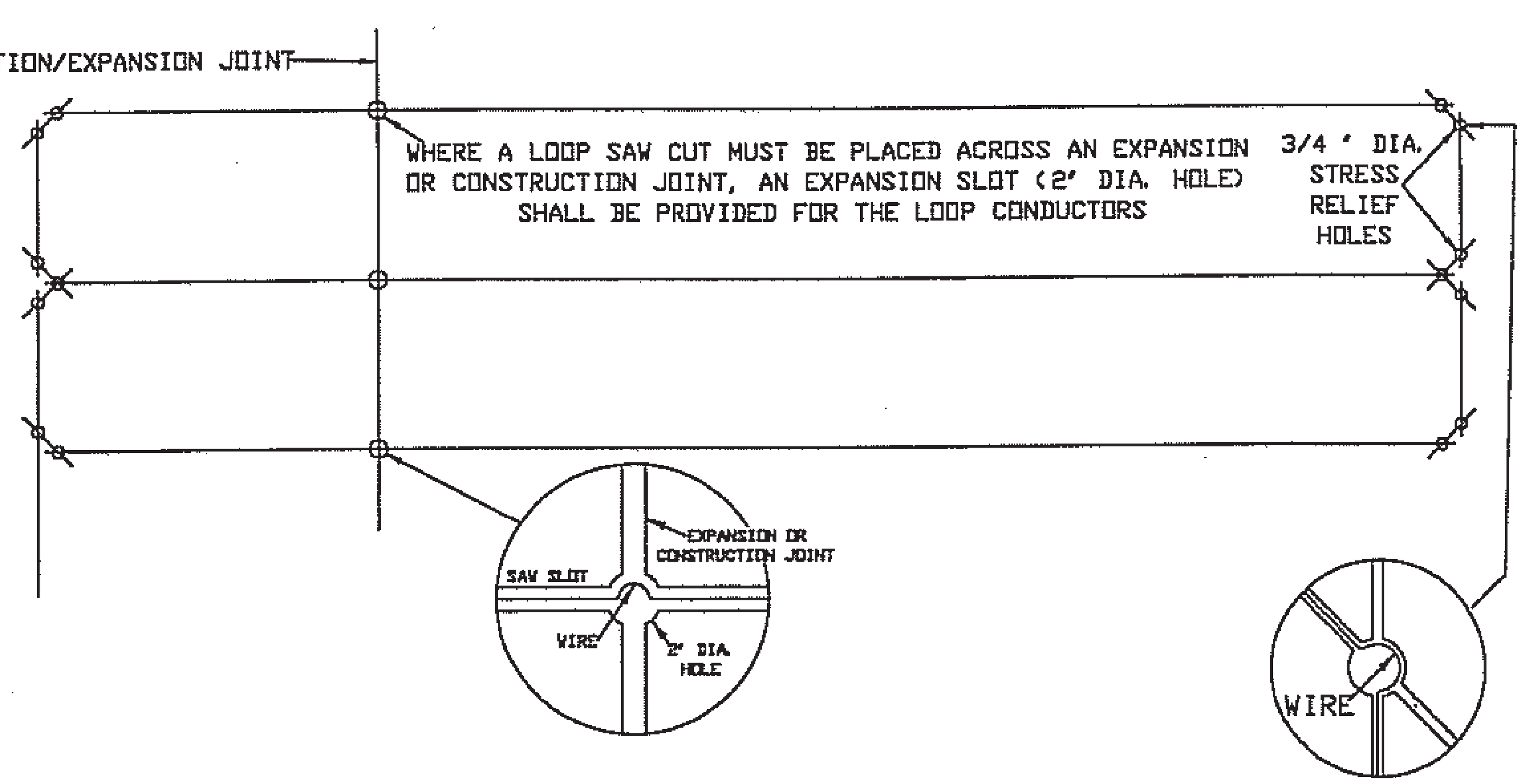


8' x 6' LOOP

CONSTRUCTION/EXPANSION JOINT

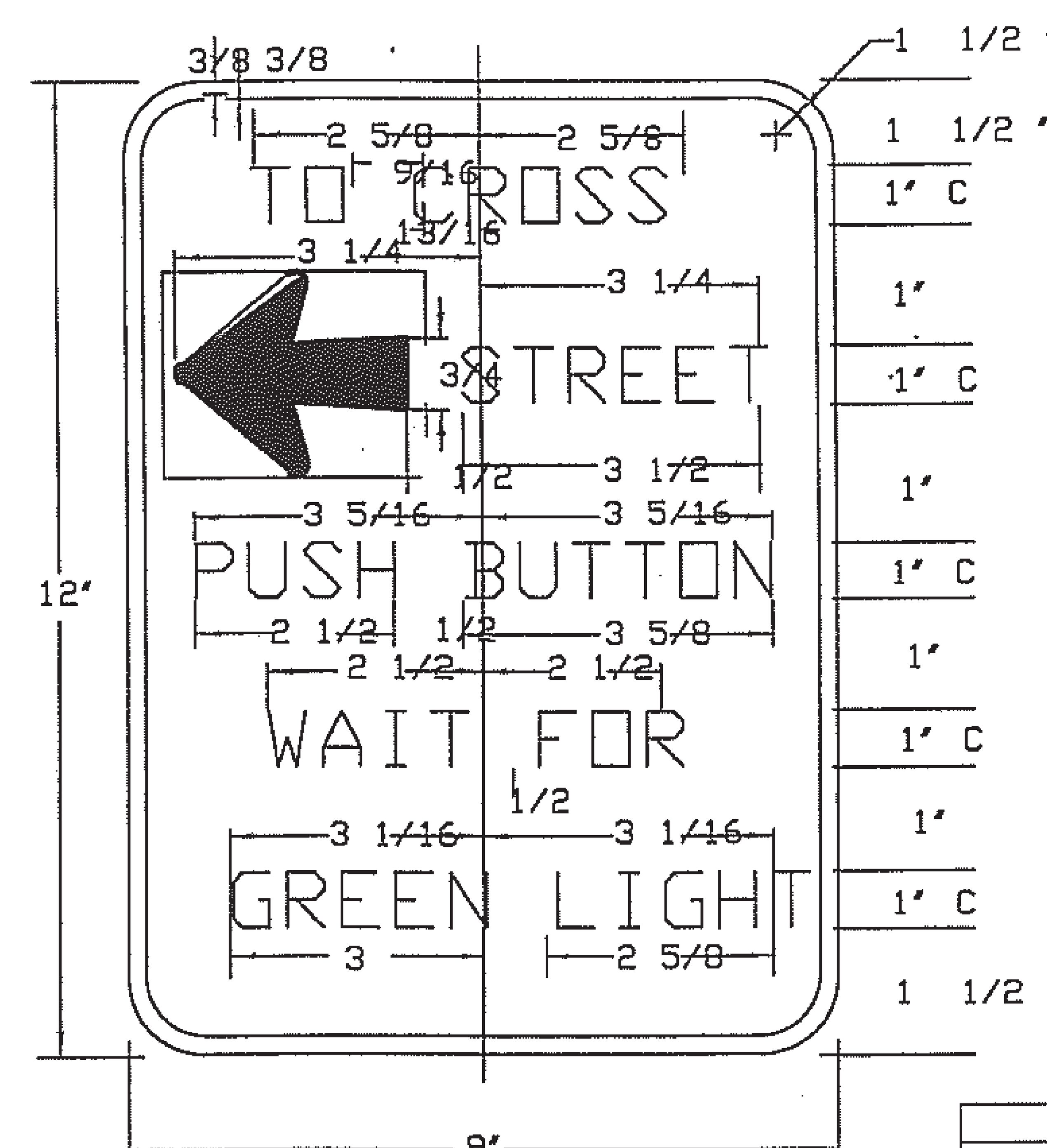
WHERE A LOOP SAW CUT MUST BE PLACED ACROSS AN EXPANSION OR CONSTRUCTION JOINT, AN EXPANSION SLOT (2" DIA. HOLE) SHALL BE PROVIDED FOR THE LOOP CONDUCTORS

3/4 " DIA. STRESS RELIEF HOLES



QUADRUPOLE LOOP

LOOP INSTALLATION DETAIL



R10-3a L

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

SIGNAL ESTIMATE OF QUANTITIES
AND DETAILS
MASON, MASON CO. WV

TRAFFIC SIGNAL SR 833 AND WV 63 ESTIMATE OF QUANTITIES AND DETAILS
MASON, MASON CO. WV

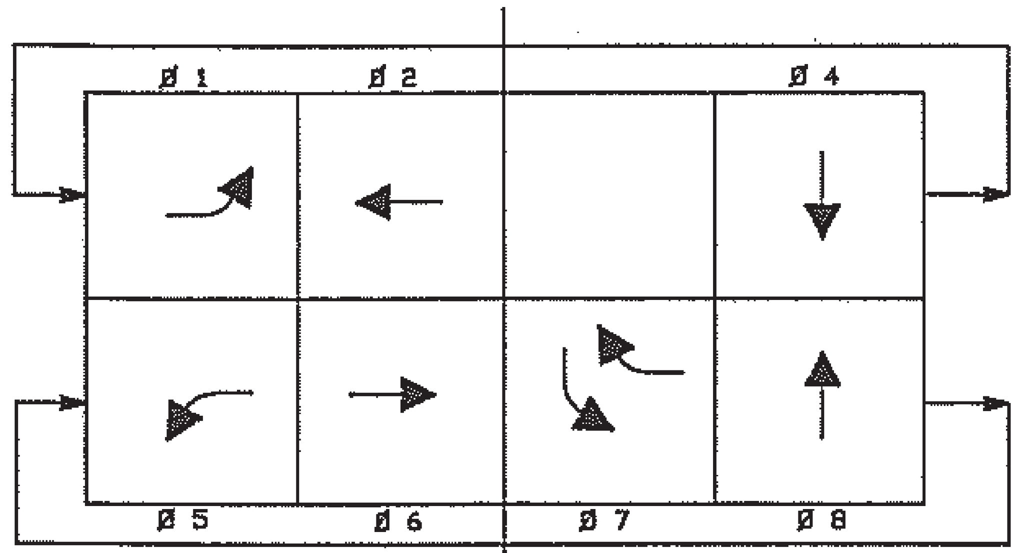
MEG-33-15.70

311
582

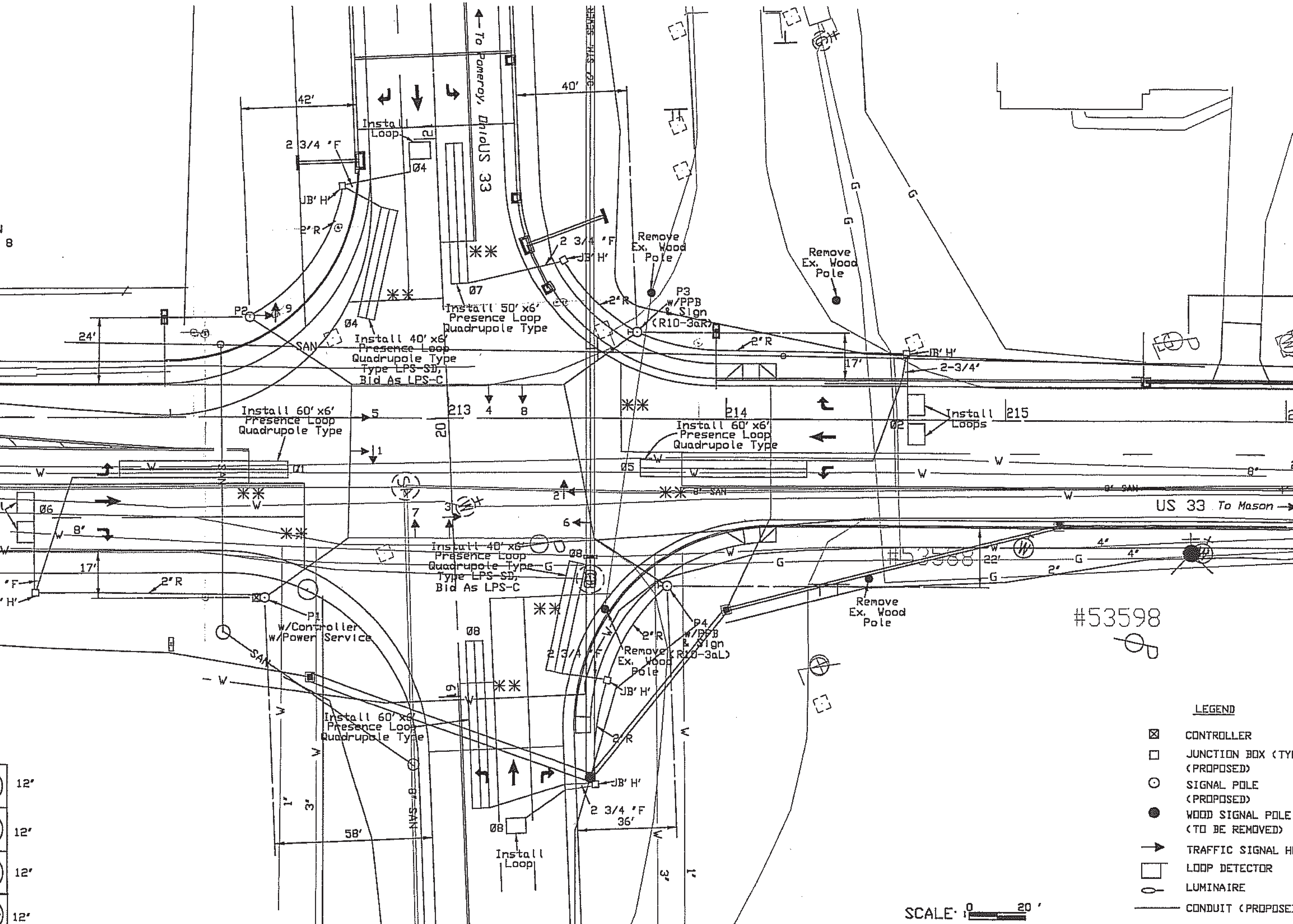
WS03.DWG 3 AUG 2002

PUBLIC ROADS DIV.	STATE DIST. NO.	PROJECT NO.	FEDERAL PROJECT NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS	CALCULATED	CHECKED
WV				2002					

DUAL RING PHASING



THIS CONTROLLER SHALL UTILIZE DUAL ENTRY
Ø4 and Ø8 SHALL BE CAPABLE OF THE STRETCH DELAY FUNCTION
- PPB'S SHALL PLACE CALL IN Ø 8



LEGEND

- ⊠ CONTROLLER
- □ JUNCTION BOX (TYPE H) (PROPOSED)
- ⊙ SIGNAL POLE (PROPOSED)
- ● WOOD SIGNAL POLE (TO BE REMOVED)
- → TRAFFIC SIGNAL HEAD
- LOOP DETECTOR
- LUMINAIRE
- CONDUIT (PROPOSED)

SCALE: 0 20'

NEW SIGNAL HEADS

FLASH SEQUENCE

HEAD NO.	FLASH
1, 2, 5, 6, 9	Y
3, 4, 7, 8	R

POLE CHART

FOOTER OR POLE NO.	TYPE	UPRIGHT POLE: POLE MOUNTED SIGNAL ATTACHMENT DIM "K"	DIM "L"	HEIGHT	Ø	WALL GA.		LOCATION	
P1	C1			30'	12"	2PLY 3		NEW AS INDICATED	
P2	C1	12"	5'	30'	12"	2PLY 3			
P3	C1			30'	12"	2PLY 3			
P4	C1			30'	12"	2PLY 3			

- POLES and ANCHOR BOLTS TO BE SUPPLIED BY CONTRACTOR

STOP LINE NOTE

** - THE CONTRACTOR SHALL SUPPLY AND INSTALL TYPE V "STOP LINE" PAVEMENT MARKINGS (A TOTAL OF 200 LF AS SHOWN ON SHEET NO. ___). THESE LINES SHALL BE 24" WIDE AND BID AS SUCH. THEY MAY BE INSTALLED AS TWO 12" WIDE LINES OR ONE 24" WIDE LINE. A PRIMER SHALL BE APPLIED PRIOR TO INSTALLATION AS DESCRIBED IN SPECIFICATION 715.40.2.

WAL-MART

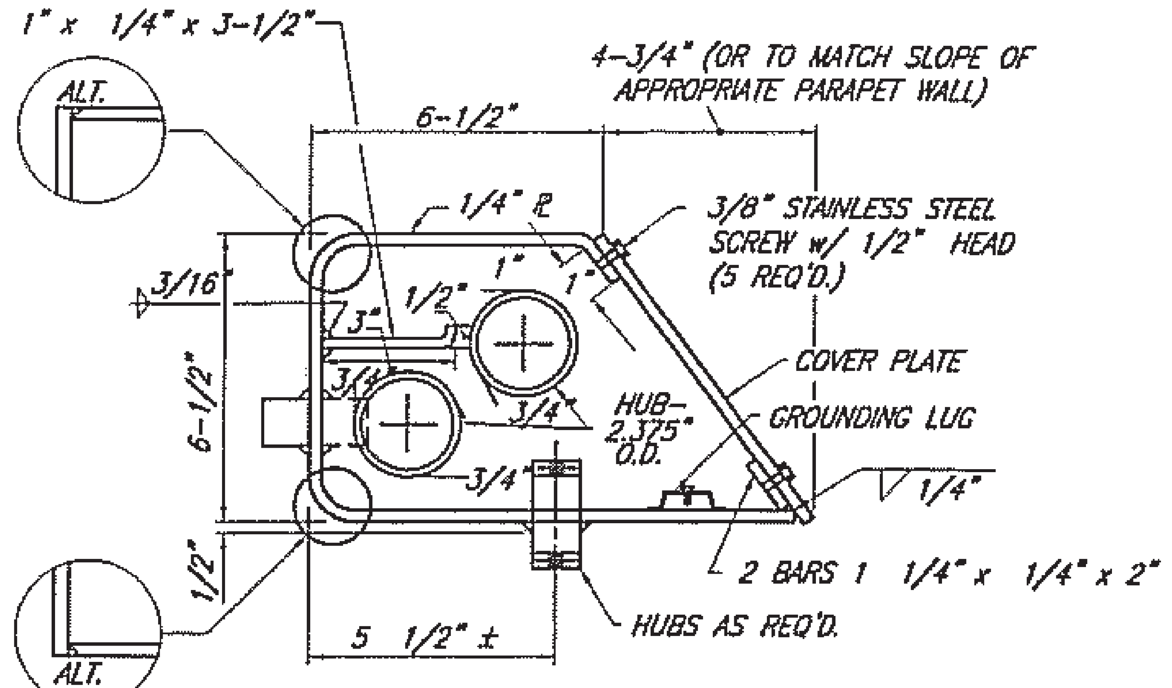
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

SIGNAL LAYOUT
US 33/ WV 62 AT MASON BRIDGE
MASON, MASON CO. WV

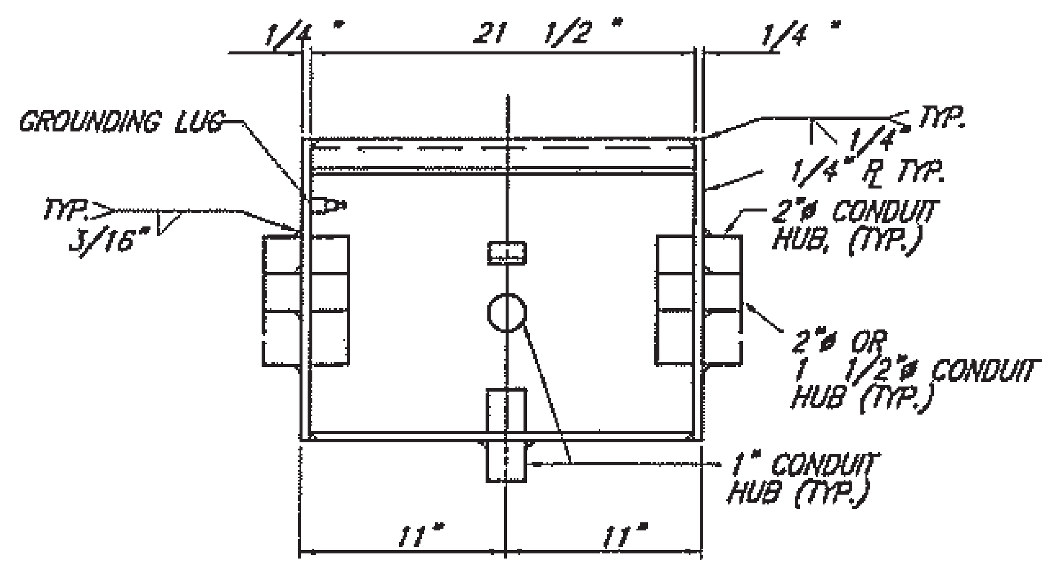
TRAFFIC SIGNAL SR 833 AND WV 62 PLAN
MASON, MASON CO. WV

MEG-33-15.70

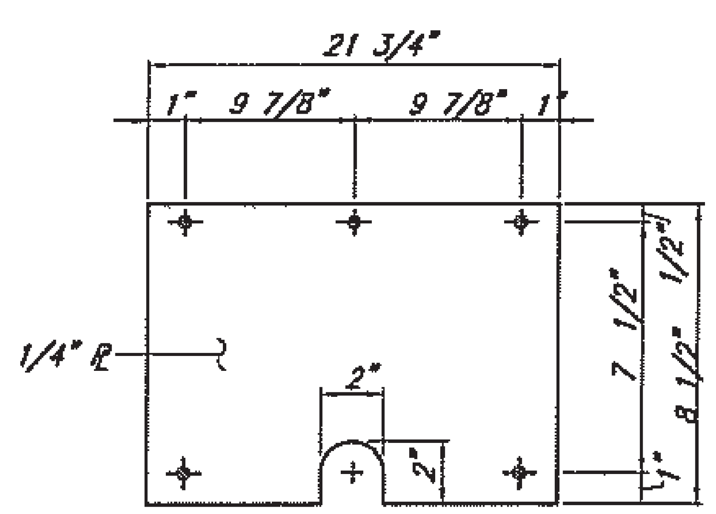
WVS04.DWG 3 AUG 2002



SIDE VIEW DETAIL "D"



FRONT VIEW WITH COVER REMOVED

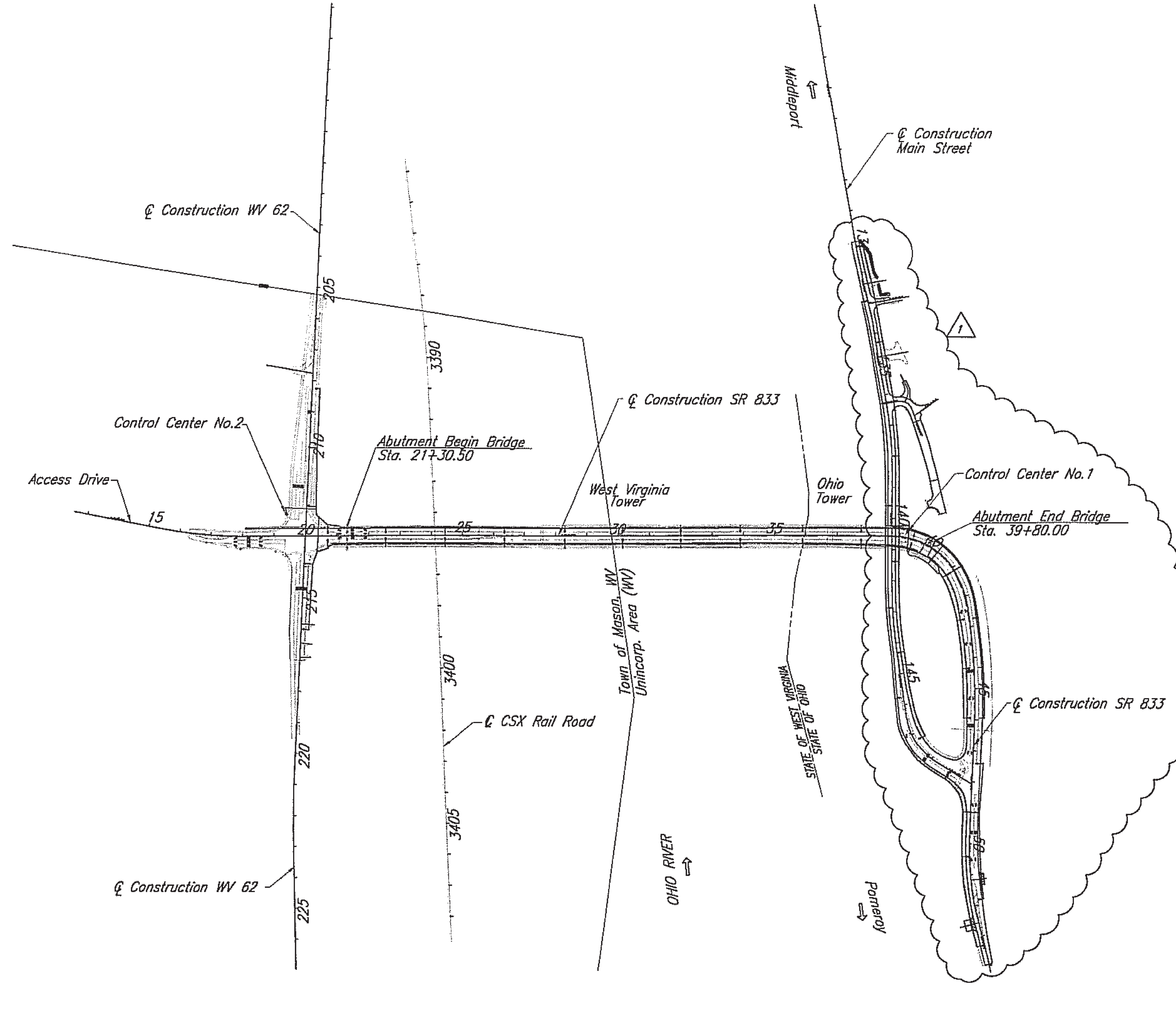


COVER PLATE

JUNCTION BOX TYPE A (MODIFIED)

NOT TO SCALE

Notes
1. Type A boxes are to be fabricated from steel conforming to ASTM A-36 and hot-dipped galvinized after assembly.
2. Reinforcing steel that conflicts with Type A boxes shall be appropriately modified as shown on the bridge plans or as dirrected by the Enginner.
3. Conduit not used to be field capped.



SCHEMATIC PLAN

POWER SERVICE:

For Ohio & West Virginia

Jeffrey Wicker
AEP
9135 State Route 682
Athens Ohio 45701-9102
Cell Phone 740-594-1946
Office 1-888-237-9337

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	BS

HORIZONTAL SCALE IN FEET

CALCULATED KP
CHECKED JK

PROPOSED LIGHTING SCHEMATIC PLAN & MISCELLANEOUS DETAILS

MEG-33-15.70

Except for Light Poles, Luminaires, Junction Box Type H, Junction Box Type A Modified all Material & Construction shall be in accordance with State of Ohio Standard Drawings and Construction Material & Specification. All light Poles shall be West Virginia Type 1, Style 1. See West Virginia standard sheet TEL-11. Non-Stainless steel light pole and Junction Box Type H shall meet West Virginia Standard Sheets and Material Specifications. All stainless steel Junction Box Type A Modified, Median Junction Box, light poles, bracket arms and transformer bases shall conform to General Note found on this sheet. All items shall be installed in accordance with State of Ohio Standard Drawings, Construction and Materials Specifications, and as modified on the plans.

713.14 LAMPS

High pressure sodium lamps shall be General Electric, Phillips or Sylvania or equal approved by the Engineer.

ITEM 605 UNDERDRAINS FOR PULL BOXES

Reference is made to Standard Drawing HL-30.11M for details of draining pull boxes. Underdrains for pull boxes shall be used as directed by the Engineer and shall be provided where the length required for a satisfactory outlet does not exceed approximately 20 feet. An animal guard shall be included at the outlet of the underdrain.

ITEM SPECIAL - TEMPORARY LIGHTING

This item shall consist of maintaining existing lighting or providing lighting for temporary roadways. Existing lighting on all existing roadways remaining open to traffic through the project area shall be maintained. Should the Contractor require the removal of lighting from an existing roadway, the Contractor shall then be responsible for adequate temporary lighting of that portion of the existing roadway affected by the removal of the existing lighting.
Where temporary lighting is to be installed, the Contractor shall submit four (4) sets of the proposed detailed plans to the Engineer for review and approval. These plans shall show location of poles, length of bracket arms, style of luminaires, mounting height, and other pertinent information.
Wood poles with overhead wiring may be used. All materials necessary to complete the temporary lighting installations shall be furnished by the Contractor and the temporary lighting installations shall be removed and disposed of by the Contractor when no longer needed.
Reconditioned or approved used materials may be furnished for temporary lighting. Temporary overhead construction shall not be less than Grade A for strength requirement as defined by the National Electric Safety Code. Mounting height for temporary luminaires shall not be less than 27 feet and minimum overhead conductor clearance shall be 20 feet.
The lump sum bid price for "Item Special Temporary Lighting" shall include payment for all labor, equipment, materials, and incidentals necessary to provide the temporary lighting as specified.

ITEM SPECIAL LUMINAIRE, MISC.: LUMINAIRES

Luminaires 150 Watt shall have single rated 240 volt, 150 watt, IES Type II integral regulator or ballasts for use with High Pressure sodium lamps and shall be General Electric Photometric Curve 7248.IES, Cooper Photometric Curve OVZ152EG, American Photometric Curve Ae2035I.PHT or equal approved by the engineer.

Luminaires 200 Watt shall have single rated 240 volt, 200 watt, IES Type II, integral regulator or ballasts for use with High Pressure sodium lamps and shall be General Electric Photometric Curve 1014.1ES, American Electric Photometric Curve AE38491.PHT, or Cooper Photometric Curve OVD2S2F.1ES.

ITEM 625 HIGH VOLTAGE TEST, AS PER PLAN

Contractor shall perform a high voltage test as described in Item 625.22(d). Test shall be performed once at each control center. All tests shall be performed under the single payment Item 625 High Voltage Test, As Per Plan, Lump Sum.

ITEM 202 LUMINAIRE REMOVED, AS PER PLAN

Where shown on the plans, Contractor shall remove luminaires from existing light poles or brackets on the existing bridge truss verticals. Work will be paid for under Item 202 Luminaire Removed, As Per Plan.

ITEM 202 LIGHT POLE REMOVED, AS PER PLAN

Where shown on the plans, Contractor shall remove existing light poles and brackets arms from existing bridge truss verticals. Work, including bracket arm removal shall be included in Item 202 Light Pole Removed, As Per Plan.

ITEM 202 PORTION OF LIGHT POLE FOUNDATION REMOVED, AS PER PLAN

Contractors shall remove existing light pole foundations to an elevation one (1) foot below finished grade. Work shall be paid for under Item 202 Portion of Light Pole Foundation Removed, As Per Plan.

ITEM 202 POWER SERVICE REMOVED, AS PER PLAN

Where Shown in the plans, Contractor shall completely remove existing power services. Payment shall be made under Item 202 Power Service Removed, As Per Plan.

ITEM 625 LIGHTING, MISC.: REMOVE AND RESET EXISTING LIGHT POLES ON NEW FOUNDATION

Contractor shall remove 3 existing light poles along Wal-Mart access drive, and reset them on new foundations placed 4.67' from edge of travel lane. Payment shall be made under "ITEM 625 Lighting, Misc.: remove and reset existing light poles on new foundation," per each pole removed and reset. Payment shall be full compensation for all work including 24" x 8' deep foundation, anchor bolts, transformers, ballast, removing foundation to elevation 1' below finished grade, removing, and resetting light poles and luminaires, excavation, backfill restoration, cable and connectors, coordination with Wal-Mart management. Damage to pole, lamps, luminaires during removing and resetting shall be corrected by Contractor at no expense to State or Wal-Mart.

ITEM 625 MEDIAN LIGHT POLE FOUNDATION, AS PER PLAN

Where shown on the plans, the Contractor shall construct light pole on Ohio Type D Barrier, See Detail Plan Sheet 321.

ITEM SPECIAL LIGHTING MISC.: JUNCTION BOX TYPE H (WVDOH)

Junction boxes in West Virginia not installed in structures shall be West Virginia Type H 18 x 18 as detailed on West Virginia Standard Sheet Tel-43.

ITEM 625 LIGHT POLE FOUNDATION, 24" X 8' DEEP, AS PER PLAN

Foundation for Light poles not installed to structures shall be constructed in accordance with ODOT Standard Drawing 20.11

ITEM SPECIAL -LIGHTING, MISC.: MEDIAN JUNCTION BOX STAINLESS STEEL
ITEM SPECIAL -LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (MH-S)(WVDOH) STAINLESS STEEL
ITEM SPECIAL -LIGHTING, MISC.: JUNCTION BOX TYPE A MODIFIED (WVDOH) STAINLESS STEEL

This item shall consist of preparing shop drawings, furnishing, fabricating, cleaning, and erecting all stainless steel metals for the light poles, transformer bases, bracket arms, and junction boxes specified herein. The work shall include all accessories required and all drilling, tapping, and anchors necessary for proper erection.

This work shall comply with Item 625 of the Ohio Standard Specifications and all poles shall be West Virginia Type 1, Style 1. See West Virginia Standard sheet TEL-11. Fabricator shall have flexibility in sizing pole diameter and thickness to meet performance requirements, as specified in AASHTO specification noted below.

Fabrication and installation shall be performed only by a qualified fabricator and installer with at least five (5) years experience in installations of a similar nature. Use adequate numbers of skilled workmen who are thoroughly trained and experienced in the work required by this specification and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of this Section.

All light poles shall be designed to Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals as published by AASHTO latest edition. The Contractor is responsible for providing stainless steel anchor bolts in the bridge main span and the approach spans that effectively transmit the light pole loads to the main span edge girder and slabs respectively. Contractor shall submit anchor bolt and Light pole design calculations and shop drawings. Calculations and shop drawings shall be sealed and signed by a Professional Engineer registered in the State of Ohio.

Qualify welding procedures and personnel according to AWS D1.6 "Structural Welding Code - Stainless Steel."

Complete shop drawings shall be prepared for this Work indicating fabrication, assembly and erection details, size of all members, fastenings, supports, anchors, materials, clearances, and all necessary connections to work of other trades.

Deliver all materials in substantial, protective cartons and with protective masking. Retain masking until after completion of building, unless otherwise determined by the Department.

Locate and keep all materials free from building contamination as might occur during the course of building construction.

Handle all materials carefully so as not to injure surfaces. Surfaces marred in the course of delivery, storage, handling, fabrication, or erection shall be cause for rejecting entire member.

In the event of damage, immediately make all repairs and replacements necessary to the approval of the Department and at no additional cost to the Department.

Provide metal forms and types that comply with requirements of referenced standards and that are free from surface blemishes where exposed to view in the finished unit. Exposed-to-view surfaces exhibiting pitting, seam marks, roller marks, stains, discolorations, or other imperfections on finished units are not acceptable.

The following shall be used except where otherwise specified or required:

(a) Stainless steel seamless and welded tubing shall comply with ASTM 269.

(b) Stainless steel seamless pipe shall comply with ASTM 312.

(c) Stainless steel plate and sheet shall comply with ASTM A 666, Grade to meet Performance requirements.

(d) All fasteners shall be Type 316 stainless steel.

(e) Stainless steel anchor bolts shall comply with ASTM F593.

(f) Stainless steel washers and nuts shall comply with ASTM F594 Group 2.

Select welding rods and bare electrodes according to AWS specifications for metal alloy welded.

Remove tool and die marks and stretch lines or blend into finish. Grind and polish surfaces to produce uniform, directionally textured, polished finish indicated, free of cross scratches. Run grain with long dimension of each piece.

Provide a No. 4 directional satin finish. When polishing is completed, passivate and rinse surfaces. Remove embedded foreign matter and leave surfaces chemically clean.

Clean stainless steel by washing thoroughly with clean water and soap and rinsing with clean water.

Protect light pole, transformer bases and junction box finish from damage during construction period with temporary protective coverings approved by railing manufacturer. Remove protective coverings at time of Substantial Completion.

Restore finishes damaged during installation and construction period so no evidence remains of correction work. Return items that cannot be refinished in the field to the shop; make required alterations and refinish entire unit, or provide new units.

Payment for all stainless steel light poles and junction boxes complete and accepted will be made at the contract unit price bid for stainless steel light poles and junction boxes, which price shall be full compensation for furnishing and installing all stainless steel light poles, transformer bases, junction boxes, anchor bolts, nuts, base plates, connection plate assemblies, and incidentals necessary to complete this work as specified on the plans and herein.

Payment will be made under:

ITEM	DESCRIPTION	PAY UNIT
SPECIAL	Light Pole, Misc.: Lighting Support, Type 1 (MH-S) (WVDOH) Stainless Steel	Each
SPECIAL	Lighting, Misc.: Junction Box Type A Modified (WVDOH) Stainless Steel	Each
SPECIAL	Lighting, Misc.: Median Junction Box Stainless Steel	Each
SPECIAL	Light Pole Anchor Bolts On Structure, As Per Plan	Each

ITEM SPECIAL 625 LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (MH-S)(WVDOH)

This item shall consist of furnishing & installing West Virginia Type I, Style I LightPoles per West Virginia Standard Sheet TEL-11. These poles shall be installed along WV 62 in West Virginia and along Main Street in Ohio.

CALCULATED GAB CHECKED ENM

ROADWAY LIGHTING PLAN GENERAL NOTES

MEG-33-15.70

LHO01018.DWG 9 AUG 2002

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	BS

CALC'D ENM
CHK'D SCC

SHEET NUMBER 314	316 Pomeroy	317 Mason	317 Unincorp	317A Mason	317A Unincorp	319 Mason	319 Unincorp	319 Pomeroy	PARTICIPATION Town of Mason, W.V	Unincorp. Areas (WV)	Village of Pomeroy, Ohio	ITEM	ITEM EXTEN.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET
						12	6	8	12	6	8	202	75401	26	EACH	LIGHT POLE REMOVED, AS PER PLAN	314
						6	0	5	6	0	5	202	75503	11	EACH	PORTION OF LIGHT POLE FOUNDATION REMOVED, AS PER PLAN	314
						12	6	8	12	6	8	202	75507	26	EACH	LUMINAIRE REMOVED, AS PER PLAN	314
						1	0	1	1	0	1	202	75511	2	EACH	POWER SERVICE REMOVED, AS PER PLAN	314
	100	80	0						80	0	100	603	00400	180	LIN FT	4" CONDUIT, TYPE E	
	5	4	0						4	0	5	604	36600	9	EACH	PRECAST REINFORCED CONCRETE OUTLET	
	62	30	12						30	12	62	625	00500	104	EACH	CONNECTOR KIT, TYPE II	
	12	6	0						6	0	12	625	01500	18	EACH	CABLE SPLICING KIT	
	1	3	0						3	0	1	SPEC	62510500	4	EACH	LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (30-6) (WVDOH) STAINLESS STEEL	314
	2	1	3						1	3	2	SPEC	62510500	6	EACH	LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (32.5-8) (WVDOH) STAINLESS STEEL	314
	1	3	0						3	0	1	SPEC	62510500	4	EACH	LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (32.5-12) (WVDOH) STAINLESS STEEL	314
	2	1	3						1	3	2	SPEC	62510500	6	EACH	LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (32.5-15) (WVDOH) STAINLESS STEEL	314
	1	0	0						0	0	1	SPEC	62510500	1	EACH	LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (40-6) (WVDOH) STAINLESS STEEL	314
	7	0	0						0	0	7	SPEC	62510500	7	EACH	LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (41.7-8) (WVDOH)	314
	5	0	0						0	0	5	SPEC	62510500	5	EACH	LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (41.7-10) (WVDOH)	314
	0	1	0						1	0	0	SPEC	62510500	1	EACH	LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (41.7-10) (WVDOH) STAINLESS STEEL	314
	5	1	0						1	0	5	SPEC	62510500	6	EACH	LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (41.7-12) (WVDOH)	314
	3	1	0						1	0	3	SPEC	62510500	4	EACH	LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (41.7-12) (WVDOH) STAINLESS STEEL	314
	0	4	0						4	0	0	SPEC	62510500	4	EACH	LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (41.7-15) (WVDOH)	314
	1	0	0						0	0	1	SPEC	62510500	1	EACH	LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (41.7-15) (WVDOH) STAINLESS STEEL	314
	3	0	0						0	0	3	SPEC	62510500	3	EACH	LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (41.7-6) (WVDOH) STAINLESS STEEL	314
				3	0				3	0	0	SPEC	62510500	3	EACH	LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (30-6) (WVDOH) GALVANIZED (ALTERNATE BID)	317A
				1	3				1	3	0	SPEC	62510500	4	EACH	LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (32.5-8) (WVDOH) GALVANIZED (ALTERNATE BID)	317A
				3	0				3	0	0	SPEC	62510500	3	EACH	LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (32.5-12) (WVDOH) GALVANIZED (ALTERNATE BID)	317A
				1	3				1	3	0	SPEC	62510500	4	EACH	LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (32.5-15) (WVDOH) GALVANIZED (ALTERNATE BID)	317A
				0	0				0	0	0	SPEC	62510500	0	EACH	LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (40-6) (WVDOH) GALVANIZED (ALTERNATE BID)	317A
				1	0				1	0	0	SPEC	62510500	1	EACH	LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (41.7-10) (WVDOH) GALVANIZED (ALTERNATE BID)	317A
				1	0				1	0	0	SPEC	62510500	1	EACH	LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (41.7-12) (WVDOH) GALVANIZED (ALTERNATE BID)	317A
	24	32	24						32	24	24	625	10615	80	EACH	LIGHT POLE ANCHOR BOLTS ON STRUCTURE, AS PER PLAN	314
				32	24				32	24	0	625	10615	56	EACH	LIGHT POLE ANCHOR BOLTS ON STRUCTURE, AS PER PLAN, GALVANIZED (ALTERNATE BID)	317A
	24	7	0						7	0	24	625	14101	31	EACH	LIGHT POLE FOUNDATION, 24" X 8' DEEP, AS PER PLAN	314
	1	0	0						0	0	1	625	14301	1	EACH	MEDIAN LIGHT POLE FOUNDATION, 8' DEEP, AS PER PLAN	314
	5457	9882	2661						9882	2661	5457	625	23200	18000	LIN FT	NO. 4 AWG 5000 VOLT DISTRIBUTION CABLE	
	3220	1550	635						1550	635	3220	625	23400	5405	LIN FT	NO. 10 AWG POLE AND BRACKET CABLE	
	5345	0	0						0	0	5345	625	24320	5345	LIN FT	1-1/2" DUCT CABLE WITH THREE NO. 4 AWG 5000 VOLT CABLES	
	1485	2584	837						2584	837	1485	625	25400	4906	LIN FT	CONDUIT, 2", 713.04	
	174	202	0						202	0	174	625	25500	376	LIN FT	CONDUIT, 3", 713.04	
	6	10	6						10	6	6	SPEC	62527600	22	EACH	LUMINAIRE, MISC.: LUMINAIRE, 150 WATT (WVDOH)	314
	25	5	0						5	0	25	SPEC	62527600	30	EACH	LUMINAIRE, MISC.: LUMINAIRE, 200 WATT (WVDOH)	314
	5550	1015	0						1015	0	5550	625	29002	6565	LIN FT	TRENCH, 24" DEEP	
	0	20	0						20	0	0	625	29500	20	LIN FT	TRENCH IN PAVED AREA, TYPE A	
	1	0	0						0	0	1	SPEC	62598000	1	EACH	LIGHTING, MISC.: MEDIAN JUNCTION BOX STAINLESS STEEL	314
	0	5	0						5	0	0	SPEC	62598000	5	EACH	LIGHTING, MISC.: JUNCTION BOX TYPE H 18"x18" (WVDOH)	314
	0	8	6						8	6	0	SPEC	62598000	14	EACH	LIGHTING, MISC.: JUNCTION BOX TYPE A MODIFIED (WVDOH) STAINLESS STEEL	314
	6			8	6				0	0	6	SPEC	62598000	6	EACH	LIGHTING, MISC.: JUNCTION BOX TYPE A MODIFIED (WVDOH) GALVANIZED (ALTERNATE BID)	317A
	5	0	0						0	0	5	625	30700	5	EACH	PULL BOX, 713.08, 18"	
	25	12	0						12	0	25	625	32000	37	EACH	GROUND ROD	
	1	1	0						1	0	1	625	34000	2	EACH	POWER SERVICE	
LUMP									LUMP	LUMP	LUMP	625	38001	LUMP	LUMP	HIGH VOLTAGE TEST, AS PER PLAN	314
LUMP									LUMP	LUMP	LUMP	SPEC	62539000	LUMP	LUMP	TEMPORARY LIGHTING	314
3									3	0	0	625	98000	3	EACH	LIGHTING, MISC.: REMOVE AND RESET EXISTING LIGHT POLES ON NEW FOUNDATION	314
	2								0	0	2	SPEC	69050600	2	EACH	BOLLARD	320

ROADWAY LIGHTING GENERAL SUMMARY

MEG-33-15.70

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	BS

CALC'D ENM CHK'D

ROADWAY LIGHTING SUBSUMMARY OHIO

REFERENCE NUMBER	SHEET NO.	SIDE	CIRCUIT NO.	FROM STATION	TO STATION	603 4" CONDUIT, TYPE E (LF)	604 PRECAST REINFORCED CONCRETE OUTLET (EACH)	625 CONNECTOR KIT, TYPE II (EACH)	625 CABLE SPLICING KIT (EACH)	SPECIAL LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (30-6) (WVDOH) STAINLESS STEEL (EACH)	SPECIAL LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (32.5-8) (WVDOH) STAINLESS STEEL (EACH)	SPECIAL LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (32.5-15) (WVDOH) STAINLESS STEEL (EACH)	SPECIAL LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (41.7-8) (WVDOH) (EACH)	SPECIAL LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (32.5-12) (WVDOH) STAINLESS STEEL (EACH)	SPECIAL LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (40-6) (WVDOH) STAINLESS STEEL (EACH)	SPECIAL LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (41.7-10) (WVDOH) (EACH)	SPECIAL LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (41.7-12) (WVDOH) (EACH)	SPECIAL LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (41.7-6) (WVDOH) STAINLESS STEEL (EACH)	SPECIAL LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (41.7-12) (WVDOH) STAINLESS STEEL (EACH)	SPECIAL BOLLARD (EACH)	SPECIAL LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (41.7-15) (WVDOH) STAINLESS STEEL (EACH)
1	320	Lt.	1A	131+16				2								1				2	
2	320	Lt.	1A	131+16	134+30																
3	320	Lt.	1A	134+30				2								1					
4	319,320	Lt.	1A	134+30	138+00																
5	320	Rt.	1A	132+93	136+27			2					1								
6	319,320	Rt.	1A	136+27	139+59			2					1								
7	319	Lt.	1A	138+00	140+23			2								1					
8	319	Lt./Rt.	1A	140+23	140+23	20	1		3												
9	319	Lt	1A & 1B	140+23	140+23	20	1														
10	319	Lt.	1A	140+23	141+39			2								1					
11	319	Lt.	1A	141+39	144+31			2								1					
12	319	Rt.	1A	139+59	140+23			2					1								
13	319	Rt.	1A	140+23	142+87	20	1		3												
14	319	Rt.	1A	142+87	145+77			2					1								
15	319,320	Rt.	1A	145+77	148+71			2					1								
16	319	Lt./Rt.	1B	140+23	41+91	20	1		3												
17	319	Rt.	1B	41+11	42+74			2											1		
18	319	Rt.	1B	42+74	44+33			2											1		
19	319	Rt.	1B	39+42	40+91			2						1							
20	319	Rt.	1B	37+68.70	39+42			2				1									
21	319	Rt.	1B	35+89	37+68.70			2				1									
22	319	Rt./Lt.	1B	41+11	41+11			2							1						
23	319	Lt.	1B	41+11	42+74			2										1			
24	319	Lt.	1B	42+74	44+33			2										1			
25	319	Lt.	1B	39+42	41+11																
26	319	Lt	1B	39+42				2		1											
27	319	Lt	1B	37+68.70	39+42			2			1										
28	319	Lt	1B	35+89	37+68.70			2			1										
29	320	Rt.	1A	148+71	48+98			2									1				
30	320	Rt./Lt.	1A	48+98	48+98	20	1	2	3				1								
31	320	Rt.	1A	48+98	50+41			2									1				
32	320	Lt.	1A	48+98	51+83			2					1								
33	319	Rt.	1B	44+33	45+94			2											1		
34	319	Lt.	1B	44+33	45+94			2										1			
35	319	Lt.	1A	144+31	147+24			2									1				
36	320	Lt.	1A	47+39	48+98			2									1				
37	320	Rt.	1A	50+41	53+31			2									1				
38	319	Rt.	1B	40+91	41+11			2													1
TOTALS TO LIGHTING GENERAL SUMMARY						100	5	62	12	1	2	2	7	1	1	5	5	3	3	2	1

REFERENCE NUMBER	625 LIGHT POLE ANCHOR BOLTS ON STRUCTURE, AS PER PLAN (EACH)	625 LIGHT POLE FOUNDATION, 24" X 8' DEEP, AS PER PLAN (EACH)	625 MEDIAN LIGHT POLE FOUNDATION, 8' DEEP, AS PER PLAN (EACH)	625 NO. 4 AWG 5000 VOLT DISTRIBUTION CABLE (LF)	625 NO. 10 AWG POLE AND BRACKET CABLE (LF)	625 1-1/2" DUCT CABLE WITH THREE NO. 4 AWG 5000 VOLT CABLES (LF)	625 CONDUIT, 2", 713.04 (LF)	625 CONDUIT, 3", 713.04 (LF)	SPECIAL LUMINAIRE, MISC.: LUMINAIRE, 150 WATT (WVDOH) (EACH)	SPECIAL LUMINAIRE, MISC.: LUMINAIRE, 200 WATT (WVDOH) (EACH)	625 TRENCH, 24" DEEP (LF)	625 TRENCH IN PAVED AREA, TYPE A (LF)	SPECIAL LIGHTING, MISC.: JUNCTION BOX TYPE H 18"x18" (WVDOH) (EACH)	SPECIAL LIGHTING, MISC.: JUNCTION BOX TYPE A MODIFIED (WVDOH) GALVANIZED (ALTERNATE BID) (EACH)	625 PULL BOX, 713.08, 18" (EACH)	SPEC LIGHTING, MISC.: MEDIAN JUNCTION BOX STAINLESS STEEL (EACH)	625 GROUND ROD (EACH)	625 POWER SERVICE (EACH)	625 0 (LUMP)
1		1			104					1							1		
2						325					315								
3		1			104					1							1		
4						385					375								
5		1			100	345				1	335						1		
6		1			100	340				1	330						1		
7		1			104	233				1	223						1		
8				300			35	45			80				1				
9				180			20				20				1			1	LUMP
10		1			104	126				1	116						1		
11		1			104	300				1	290						1		
12		1			100	75				1	65						1		
13						275					265				1				
14		1			100	395				1	295						1		
15		1			108	330				1	320						1		
16				675			215				215								
17		1			108	155				1	145						1		
18		1			108	170				1	160						1		
19	4			372	114		114		1		21			1					
20	4			555	123		175		1					1					
21	4			591	123		187		1					1					
22			1	252	98			74		1	74					1	1		
23		1		555	98		175			1	60						1		
24		1			108	175				1	165						1		
25				600			190												
26	4				78				1					1					
27	4			591	82		187		1					1					
28	4			591	82		187		1					1					
29		1			108	135				1	125						1		
30		1		195	100			55		1	55				1		1		
31		1			108	155				1	145						1		
32		1			100	290				1	280						1		
33		1			108	175				1	165						1		
34		1			108	170				1	160						1		
35		1			108	290				1	280						1		
36		1			108	170				1	160						1		
37		1			108	305				1	295						1		
38		1			114	26				1	16				1		1		
TOTALS TO LIGHTING GENERAL SUMMARY	24	24	1	5457	3220	5345	1485	174	6	25	5550	0	0	6	5	1	25	1	LUMP

MEG-33-15.70

ACC

REFERENCE NUMBER PARTICIPATION	SHEET NO.	SIDE	CIRCUIT NO.	FROM STATION	TO STATION	603	604	625		SPECIAL										625								SPECIAL		625		SPECIAL		625	SPEC	625		
						4" CONDUIT, TYPE E	PRECAST REINFORCED CONCRETE OUTLET	CONNECTOR KIT, TYPE II	CABLE SPLICING KIT	LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (30-6) (WVDOH) STAINLESS STEEL	LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (32.5-8) (WVDOH) STAINLESS STEEL	LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (32.5-15) (WVDOH) STAINLESS STEEL	LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (41.7-8) (WVDOH)	LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (32.5-12) (WVDOH) STAINLESS STEEL	LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (40-6) (WVDOH) STAINLESS STEEL	LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (41.7-10) (WVDOH) STAINLESS STEEL	LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (41.7-12) (WVDOH) STAINLESS STEEL	LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (41.7-12) (WVDOH)	LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (41.7-15) (WVDOH)	LIGHT POLE ANCHOR BOLTS ON STRUCTURE, AS PER PLAN	LIGHT POLE FOUNDATION, 24" X 8' DEEP, AS PER PLAN	MEDIAN LIGHT POLE FOUNDATION, 8' DEEP, AS PER PLAN	NO. 4 AWG 5000 VOLT DISTRIBUTION CABLE	NO. 10 AWG POLE AND BRACKET CABLE	1-1/2" DUCT CABLE WITH THREE NO. 4 AWG 5000 VOLT CABLES	CONDUIT, 2", 713.04	CONDUIT, 3", 713.04	LUMINAIRE, MISC.: LUMINAIRE, 150 WATT (WVDOH)	LUMINAIRE, MISC.: LUMINAIRE, 200 WATT (WVDOH)	TRENCH, 24" DEEP	TRENCH IN PAVED AREA, TYPE A	LIGHTING, MISC.: JUNCTION BOX TYPE H 18"x18" (WVDOH)	LIGHTING, MISC.: JUNCTION BOX TYPE A MODIFIED (WVDOH) STAINLESS STEEL	PULL BOX, 713.08, 18"	LIGHTING, MISC.: MEDIAN JUNCTION BOX STAINLESS STEEL	GROUND ROD	POWER SERVICE	HIGH VOLTAGE TEST, AS PER PLAN
						LF	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	LF	LF	LF	LF	LF	EACH	EACH	LF	LF	EACH	EACH	EACH	EACH	EACH	EACH	LUMP
33U	319	Rt.	2A	31+99.7	33+96			2				1								4			618	117		196		1					1					
34U	319	Lt.	2A	31+99.7	33+96			2			1									4			618	100		196		1					1					
35U	319	Lt.	2A	30+14	31+99.7			2			1									4			588	100		186		1					1					
36M	318	Lt.	2A	28+30	29+73																		444			143												
37M	318	Lt.	2A	26+34	28+30			2			1									4			618	100		196		1					1					
38M	318	Lt.	2A	24+45	26+34			2		1										4			597	76		189		1					1					
39M	318	Lt.	2A	22+55	24+45			2		1										4			600	76		190		1					1					
40M	318	Lt.	2A	20+70	22+55			2		1										4			615	76		185		1		30		1	1			1		
41M	318	Lt.	2A	20+40	20+70			2								1					1		141	104		37		1		37						1		
42M	318	RT/LT	2A & 2B	212+13	20+40	40	2		6														1062			56	91			140		3				3	1	LUMP
43M	318	LT./Rt.	2A & 2B	20+40	20+40	20	1																726				111			111		1				1		
44M	318	Rt.	2A	20+40	20+70			2									1				1		126	108		32		1		32						1		
45M	318	Rt.	2A	20+70	22+55			2						1						4			594	114		188		1		44			1					
46M	318	Rt.	2A	22+55	24+45			2						1						4			600	114		190		1					1					
47M	318	Rt.	2A	24+45	26+34			2						1						4			597	120		189		1					1					
48M	318	Rt.	2A	26+34	28+30			2				1								4			618	120		196		1					1					
49M	318	Rt.	2A	28+30	29+82																		471			152												
50U	319	Rt.	2A	30+14	31+99.7			2				1								4			588	95		186		1					1					
51M	318	Lt.	2B	20+40	213+90			2											1		1		159	100		43			1	43						1		
52M	318	Lt.	2B	213+90	216+00			2										1			1		660	100		210			1	190	20					1		
53M	318	Lt.	2B	212+05	212+13			2											1		1		54	114		8			1	8						1		
54M	318	Lt.	2B	210+15	212+05	20	1	2											1		1		600	114		190			1	190						1		
55M	318	Lt.	2B	208+25	210+15			2											1		1		600	114		190			1	190						1		
56U	318	Lt.	2A	29+73	30+14			2			1									4			138	100		41		1					1					
57U	318	Rt.	2A	29+82	30+14			2				1								4			111	123		32		1					1					
Totals to Lighting General Summary Town of Mason WV				36 - 49, 51 - 55		80	4	30	6	3	1	1	0	3	0	1	1	1	4	32	7	0	9882	1550	0	2584	202	10	5	1015	20	5	8	0	0	12	1	LUMP
Totals to Lighting General Summary Unincorp. (WV)				33 - 35, 50, & 56 - 57		0	0	12	0	0	3	3	0	0	0	0	0	0	0	24	0	0	2661	635	0	837	0	6	0	0	0	0	6	0	0	0	0	~~LUMP~~

* U Unincorp Participation
* M Town of Mason Participation

ROADWAY LIGHTING SUBSUMMARY WEST VIRGINIA

MEG-33-15.70

CALC'D ENM CHK'D

317
582

REFERENCE NUMBER PARTICIPATION	SHEET NO.	SIDE	CIRCUIT NO.	FROM STATION	TO STATION	SPECIAL LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (30-6) (WVDOH) GALVANIZED (ALTERNATE BID)	SPECIAL LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (32.5-8) (WVDOH) GALVANIZED (ALTERNATE BID)	SPECIAL LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (32.5-15) (WVDOH) GALVANIZED (ALTERNATE BID)	SPECIAL LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (32.5-12) (WVDOH) GALVANIZED (ALTERNATE BID)	SPECIAL LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (40-6) (WVDOH) GALVANIZED (ALTERNATE BID)	SPECIAL LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (41.7-10) (WVDOH) GALVANIZED (ALTERNATE BID)	SPECIAL LIGHT POLE, MISC.: LIGHTING SUPPORT, TYPE 1 (41.7-12) (WVDOH) GALVANIZED (ALTERNATE BID)	625 LIGHT POLE ANCHOR BOLTS ON STRUCTURE, AS PER PLAN, GALVANIZED (ALTERNATE BID)	SPECIAL LIGHTING, MISC.: JUNCTION BOX TYPE A MODIFIED (WVDOH) GALVANIZED (ALTERNATE BID)
						EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
33U	319	Rt.	2A	31+99.7	33+96			1					4	1
34U	319	Lt.	2A	31+99.7	33+96		1						4	1
35U	319	Lt.	2A	30+14	31+99.7		1						4	1
37M	318	Lt.	2A	26+34	28+30		1						4	1
38M	318	Lt.	2A	24+45	26+34	1							4	1
39M	318	Lt.	2A	22+55	24+45	1							4	1
40M	318	Lt.	2A	20+70	22+55	1							4	1
41M	318	Lt.	2A	20+40	20+70						1			
43M	318	LT./Rt.	2A & 2B	20+40	20+40									
44M	318	Rt.	2A	20+40	20+70							1		
45M	318	Rt.	2A	20+70	22+55				1				4	1
46M	318	Rt.	2A	22+55	24+45				1				4	1
47M	318	Rt.	2A	24+45	26+34				1				4	1
48M	318	Rt.	2A	26+34	28+30			1					4	1
50U	319	Rt.	2A	30+14	31+99.7			1					4	1
56U	318	Lt.	2A	29+73	30+14		1						4	1
57U	318	Rt.	2A	29+82	30+14			1					4	1
Totals to Lighting General Summary Town of Mason WV				36 - 49, 51 - 55		3	1	1	3	0	1	1	32	8
Totals to Lighting General Summary Unincorp. (WV)				33 - 35, 50, & 56 - 57		0	3	3	0	0	0	0	24	6

* U Unincorp Participation

* M Town of Mason Participation

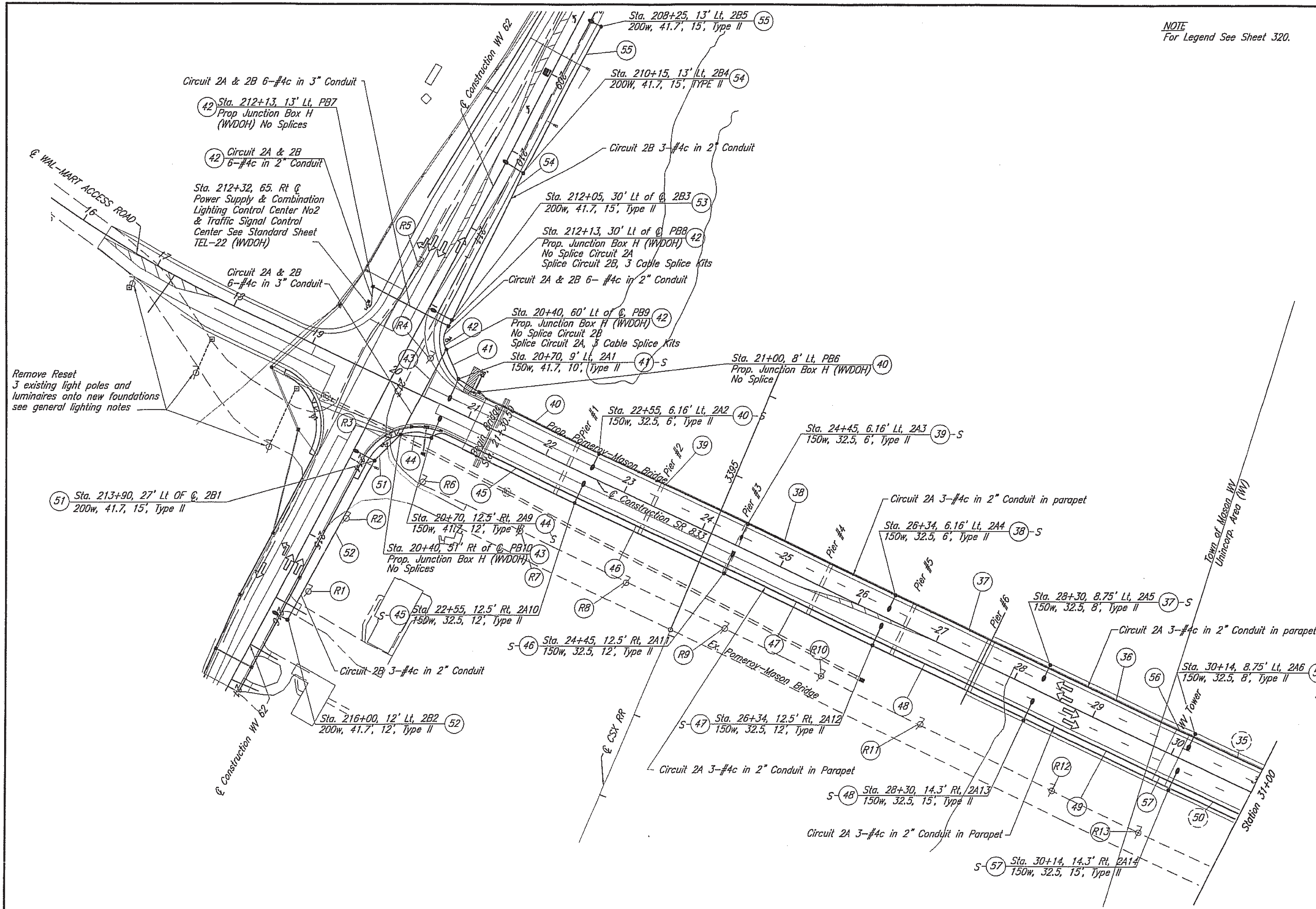
NOTE:
The Contractor shall prepare an alternate bid for all items shown on this sheet. The alternate bid Item shall conform to WVDOH Section 662 Roadway Lighting . Item Special : Light pole Misc. : Lighting support Type (MH-S) (WVDOH) galvanized (Alternate Bid)

Item Special Lighting Misc.: Junction Box Type A Moddified (WVDOH) Galvanized (Alternate Bid) Item Special Lighting Misc.: Light Pole Anchor Bolts on Structure Galvanized (Alternate Bid)

CALC'D ENM
CHK'D

ROADWAY LIGHTING SUBSUMMARY WEST VIRGINIA
SHEET 2

MEG-33-15.70



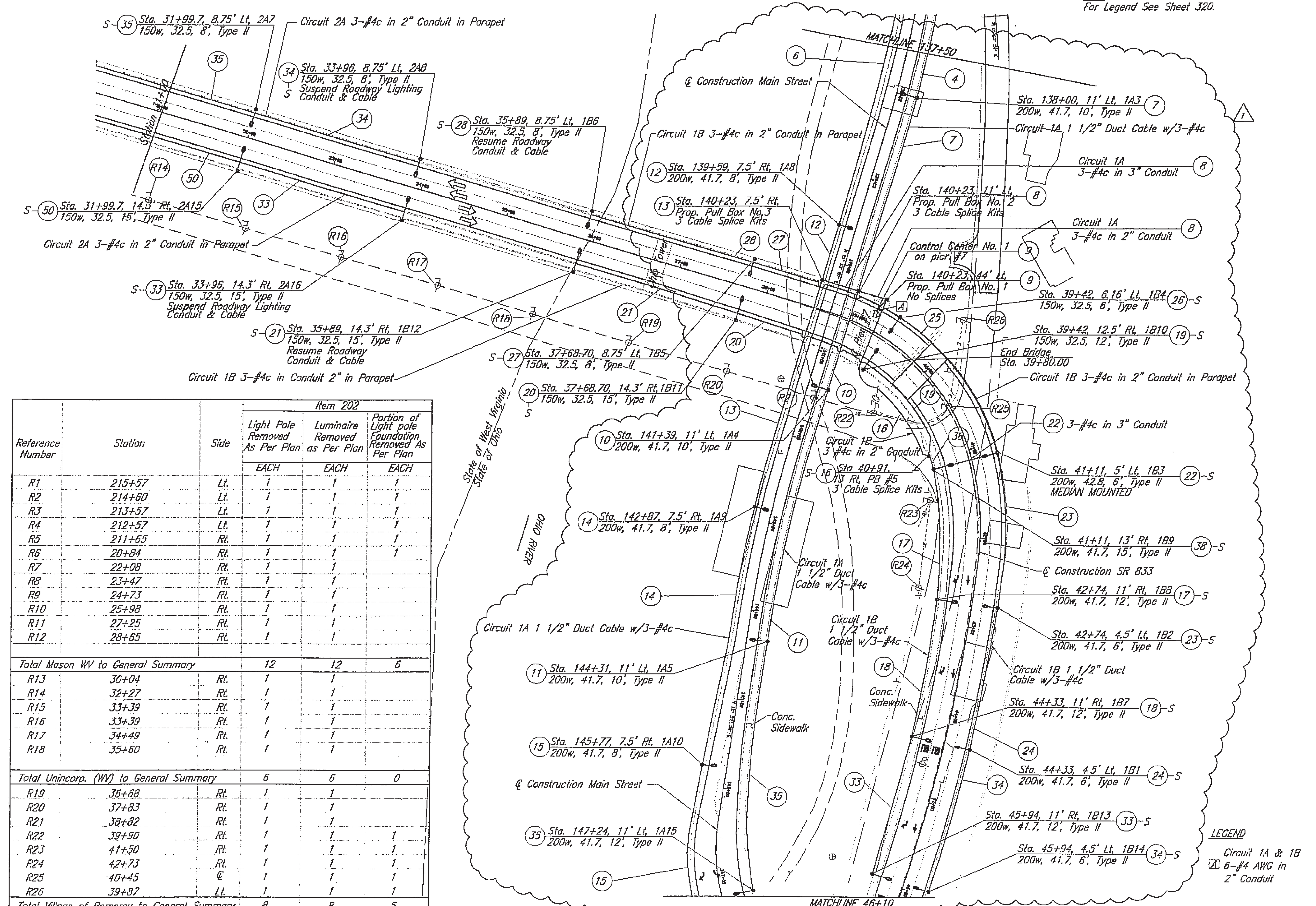
HORIZONTAL SCALE IN FEET

CALCULATED GAB
CHECKED ENM

ROADWAY LIGHTING PLAN SR 833 STA. 15+00 THRU STA. 31+00
ROADWAY LIGHTING PLAN WV 62 STA. 208+25 THRU STA. 216+00

MEG-33-15.70

NOTE
For Legend See Sheet 320.



Reference Number	Station	Side	Item 202 Light Pole Removed As Per Plan	Luminaire Removed as Per Plan	Portion of Light pole Foundation Removed As Per Plan
			EACH	EACH	EACH
R1	215+57	Lt.	1	1	1
R2	214+60	Lt.	1	1	1
R3	213+57	Lt.	1	1	1
R4	212+57	Lt.	1	1	1
R5	211+65	Rt.	1	1	1
R6	20+84	Rt.	1	1	1
R7	22+08	Rt.	1	1	
R8	23+47	Rt.	1	1	
R9	24+73	Rt.	1	1	
R10	25+98	Rt.	1	1	
R11	27+25	Rt.	1	1	
R12	28+65	Rt.	1	1	
Total Mason WV to General Summary			12	12	6
R13	30+04	Rt.	1	1	
R14	32+27	Rt.	1	1	
R15	33+39	Rt.	1	1	
R16	33+39	Rt.	1	1	
R17	34+49	Rt.	1	1	
R18	35+60	Rt.	1	1	
Total Unincorp. (WV) to General Summary			6	6	0
R19	36+68	Rt.	1	1	
R20	37+83	Rt.	1	1	
R21	38+82	Rt.	1	1	
R22	39+90	Rt.	1	1	1
R23	41+50	Rt.	1	1	1
R24	42+73	Rt.	1	1	1
R25	40+45	℄	1	1	1
R26	39+87	Lt.	1	1	1
Total Village of Pomeroy to General Summary			8	8	5

LEGEND
Circuit 1A & 1B
A 6-#4 AWG in 2" Conduit

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	BS

HORIZONTAL SCALE IN FEET 0 25 50 100

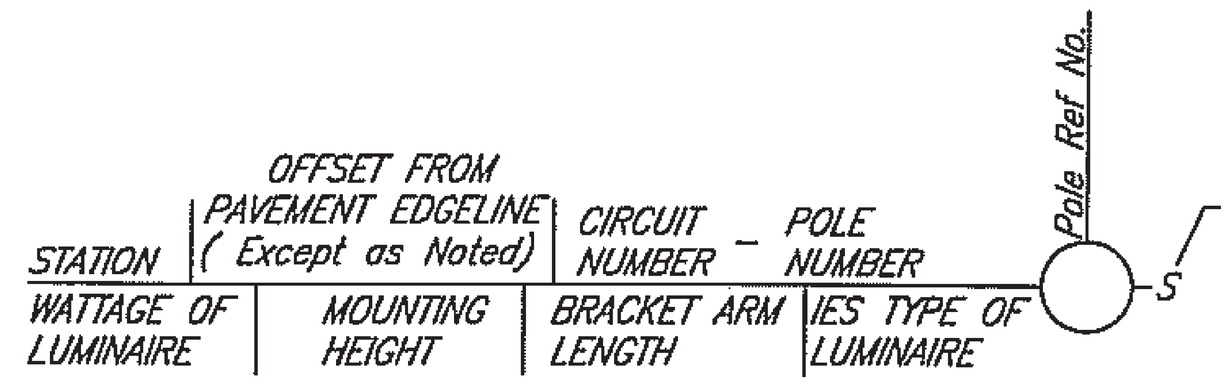
CALCULATED KP
CHECKED JK

ROADWAY LIGHTING PLAN SR 833 STA. 31+00 THRU STA. 47+00
MAIN ST. STA.137+50 THRU STA. 146+40.96

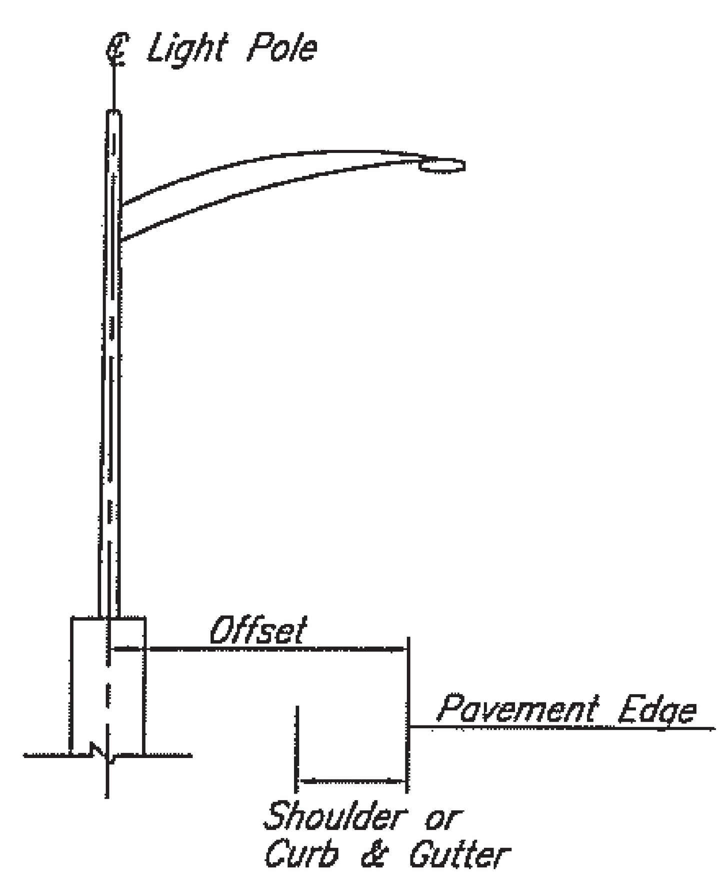
MEG-33-15.70

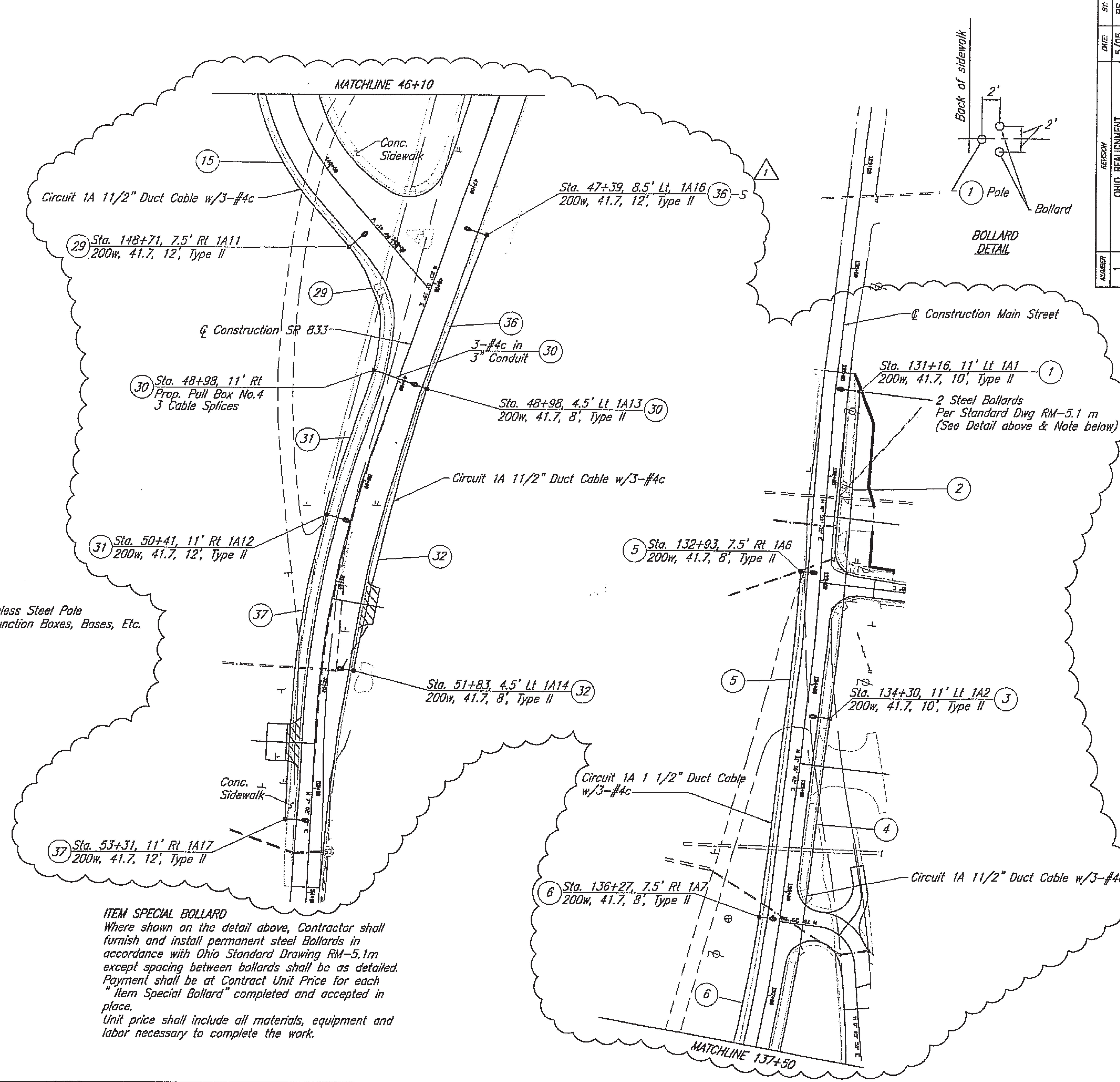
LEGEND

ϕ	Existing Conventional Light Pole
●—●	Proposed Light Pole HPS (High Pressure Sodium) luminaire
○---○	Existing Light Pole
■	Proposed Pull Box
○	Existing Pull Box
	Existing Service and Control Center
	Proposed Service and Control Center
—	Proposed Duct Cable
	Proposed Distribution Cable in Conduit
—UGE—	Existing Buried Cable
—	Guardrail, Type 5
⊡	Remove & Reset Existing Light Pole including Luminaire



POLE LEGEND





ITEM SPECIAL BOLLARD
Where shown on the detail above, Contractor shall furnish and install permanent steel Bollards in accordance with Ohio Standard Drawing RM-5.1m except spacing between bollards shall be as detailed. Payment shall be at Contract Unit Price for each "Item Special Bollard" completed and accepted in place.
Unit price shall include all materials, equipment and labor necessary to complete the work.

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	BS

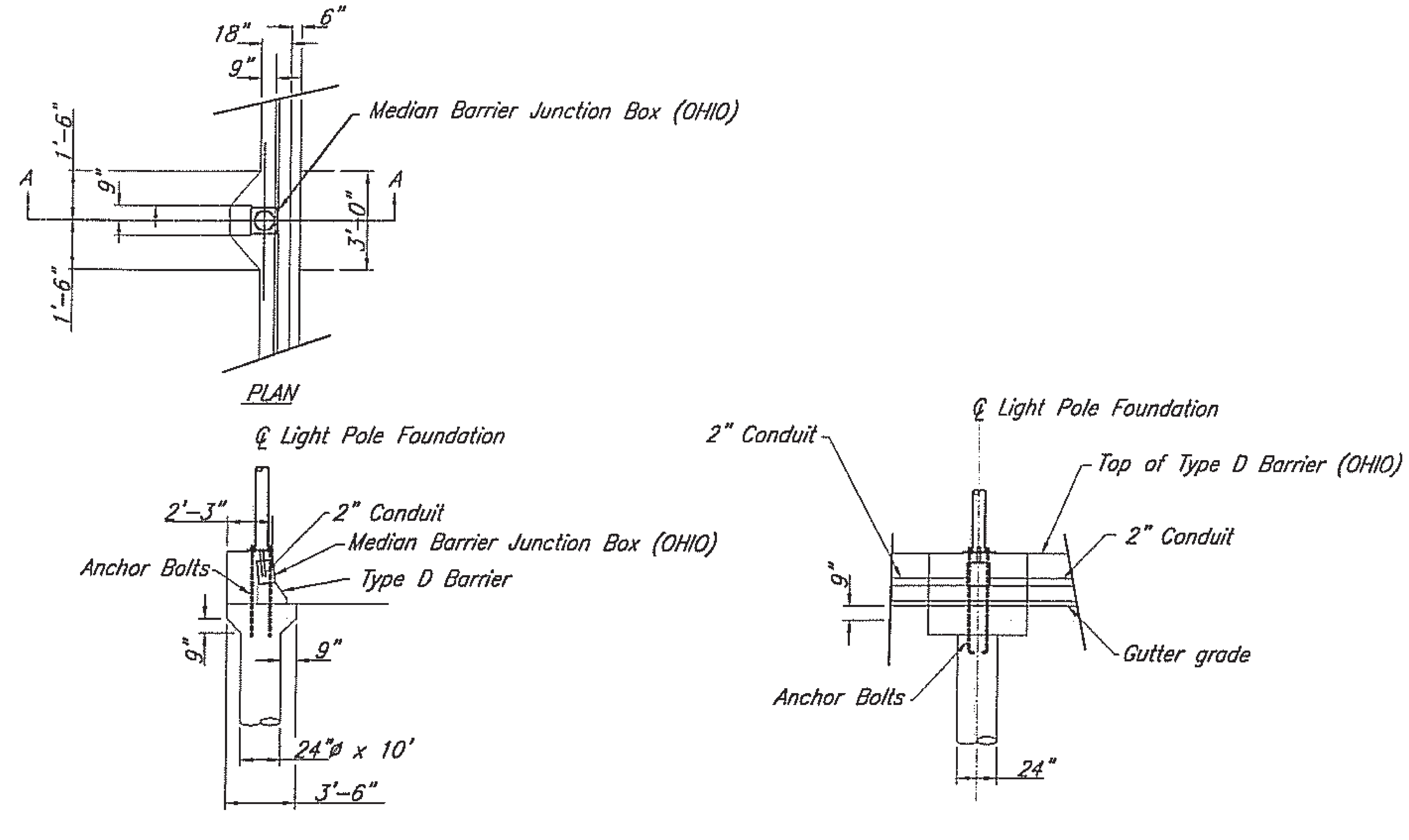
HORIZONTAL SCALE IN FEET 0 25 50 100

CALCULATED KP
CHECKED JK

ROADWAY LIGHTING PLAN MAIN STREET STA. 131+00 TO STA. 137+50
SR 833 STA. 47+00 TO STA. 54+00

MEG-33-15.70

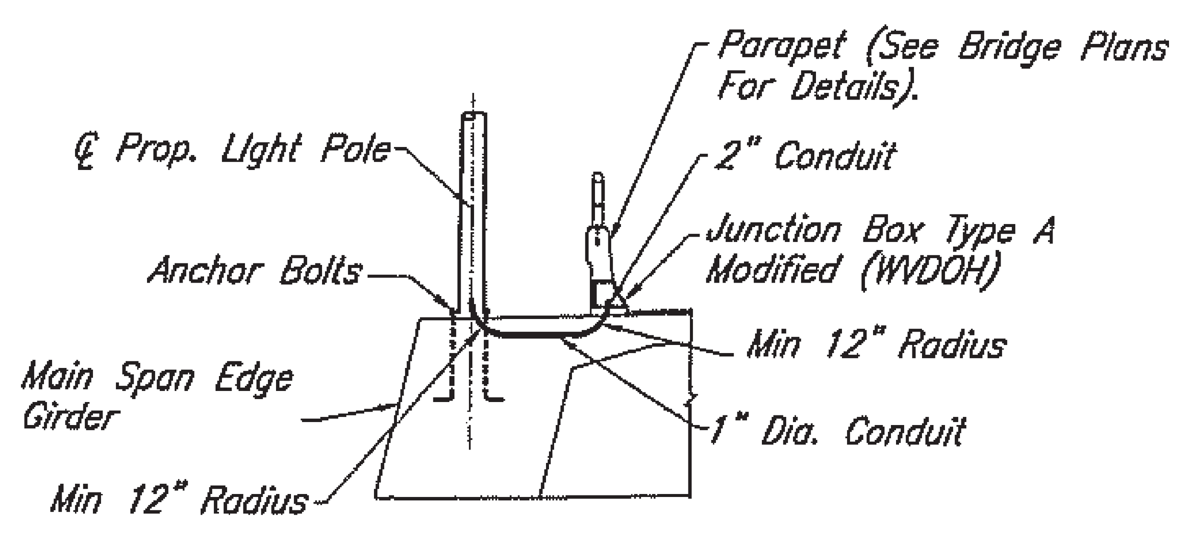
ALC



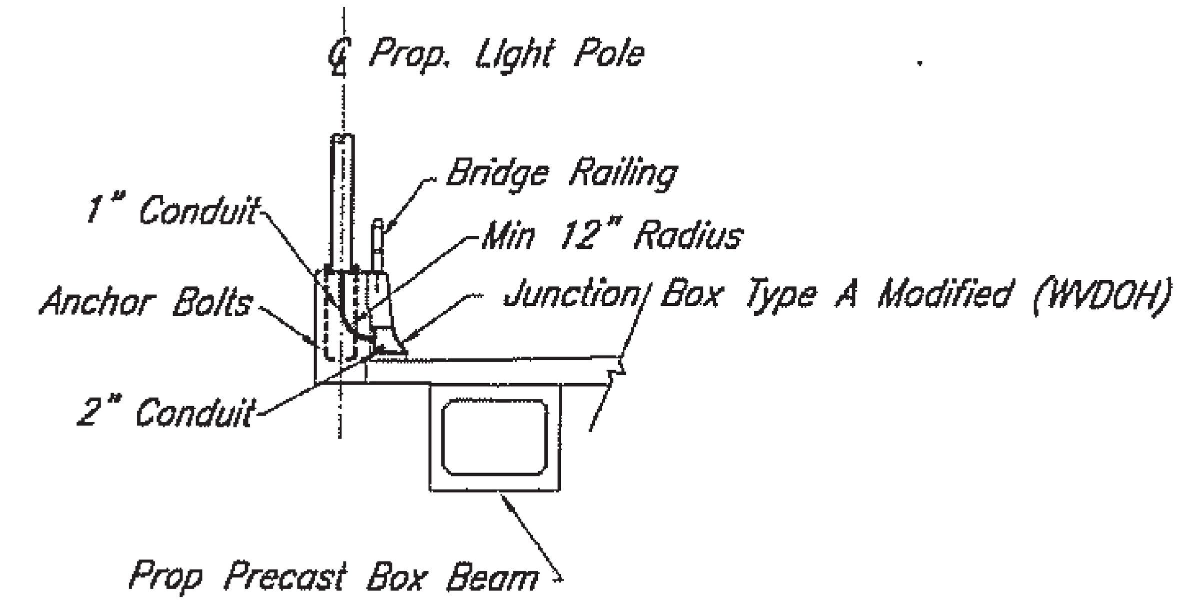
SECTION A-A

ELEVATION

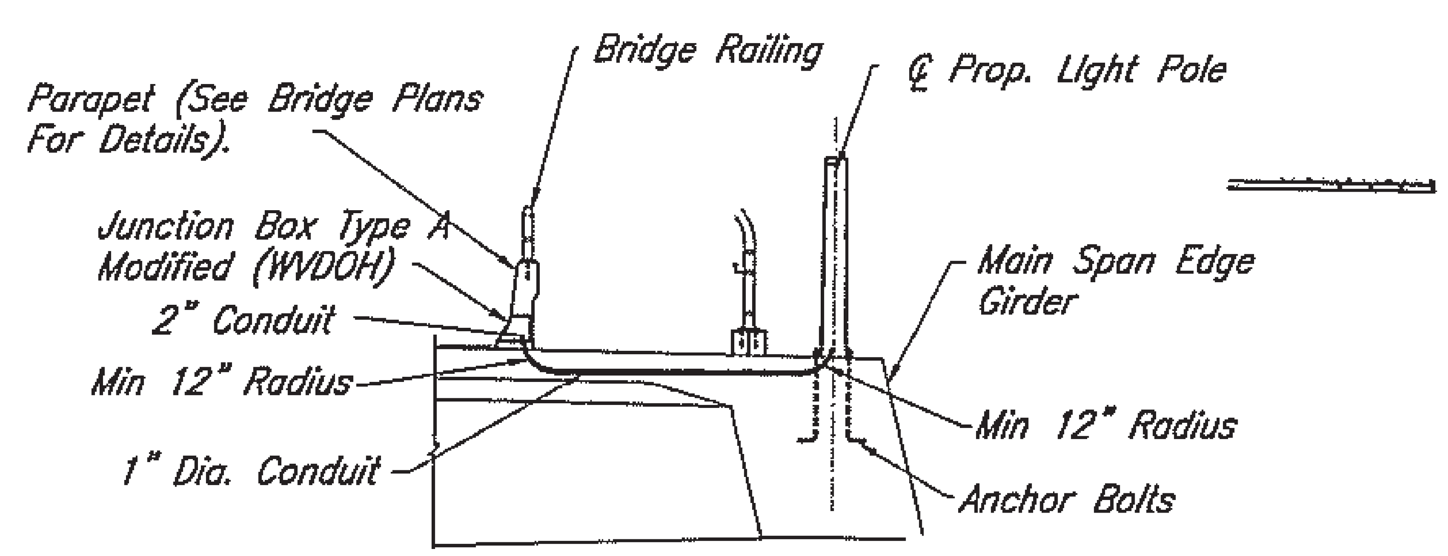
MEDIAN LIGHT POLE FOUNDATION (OHIO)



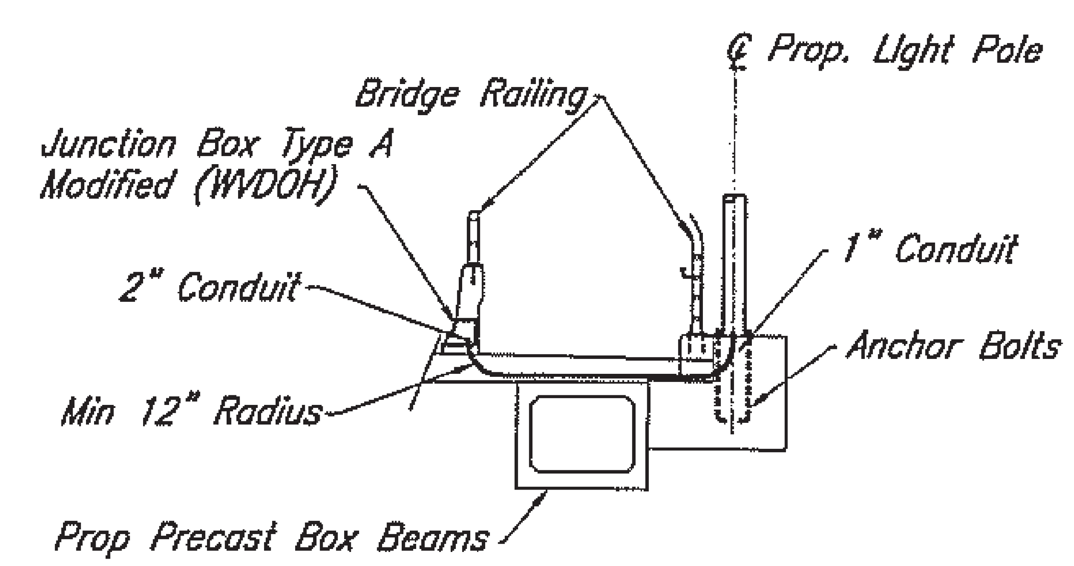
LIGHTING SUPPORT TYPE 1 (32.5-8)



LIGHTING SUPPORT TYPE 1 (30-6)



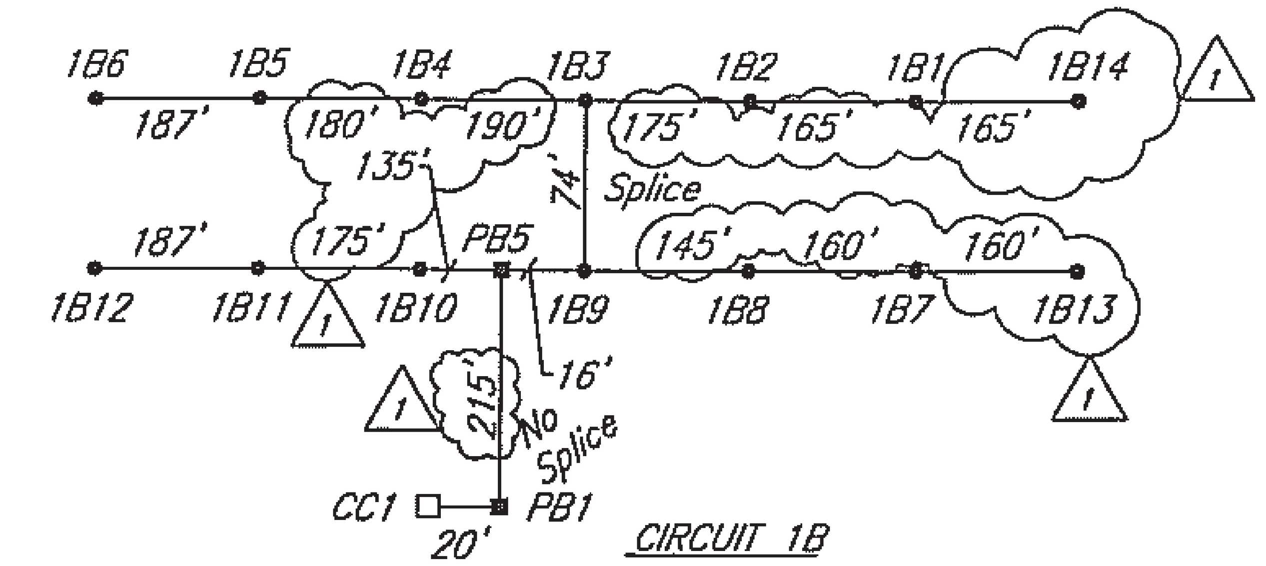
LIGHTING SUPPORT TYPE 1 (32.5-15)



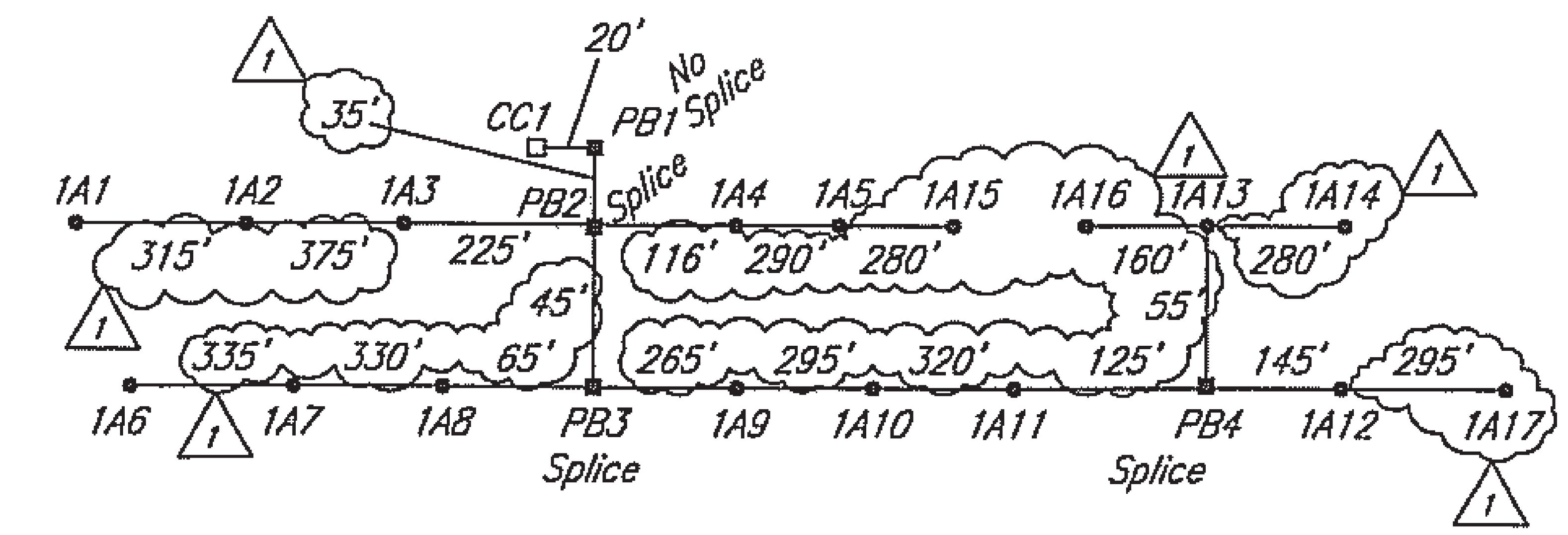
LIGHTING SUPPORT TYPE 1 (32.5-12)

LIGHT POLE DETAIL MAIN SPAN

LIGHT POLE DETAILS APPROACH SPANS

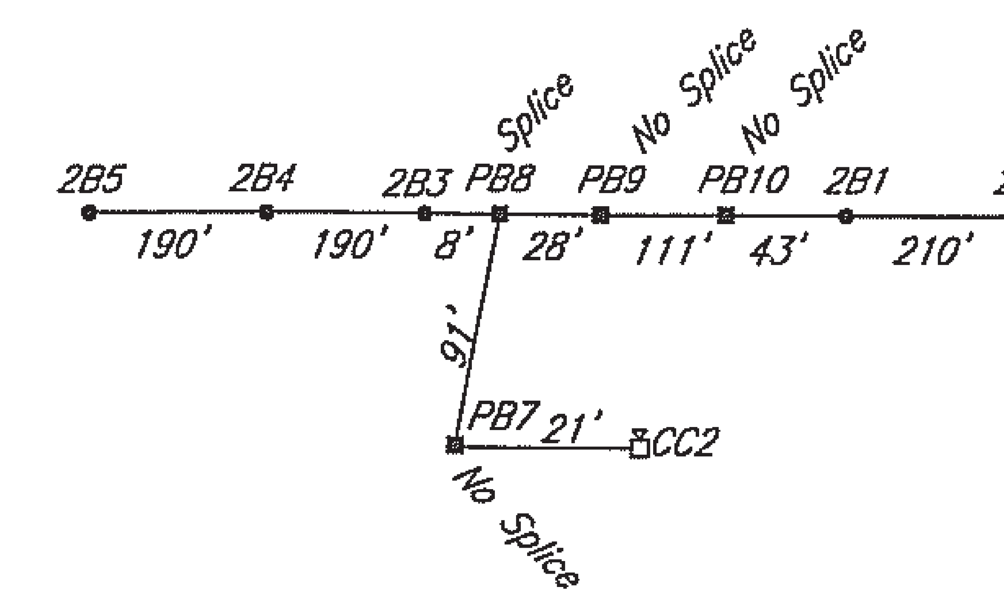


CIRCUIT 1B

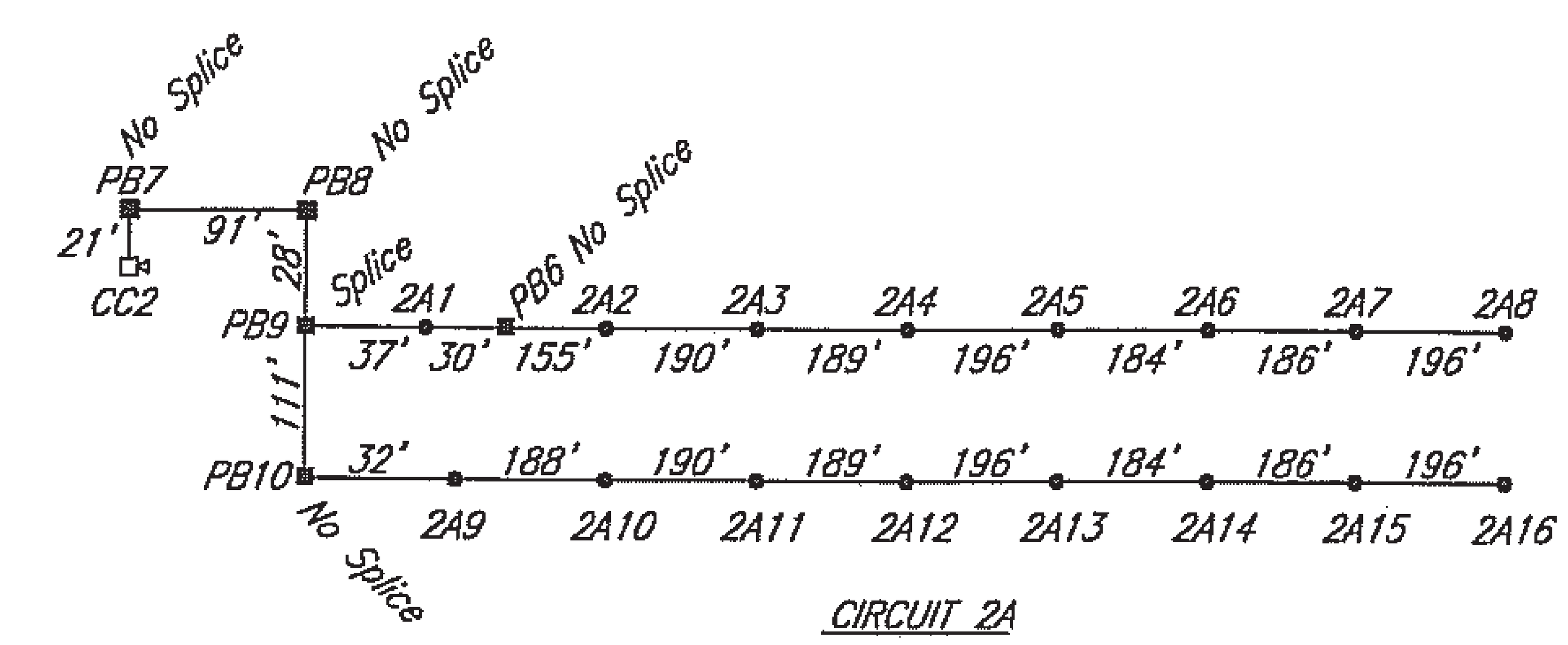


CIRCUIT 1A

CONTROL CENTER No 1



CIRCUIT 2B



CIRCUIT 2A

CONTROL CENTER No 2

Notes

1. See ODOT Standard DWG. HC-20-13M For Details Not Shown
2. For Clarity Reinforcing Steel is not shown. See Bridge Plans for Parapet dimensions, and details.
3. 1" Conduit between junction box and light pole is incidental to construction, and shall be included in cost of lighting Items.

NUMBER	REVISION	DATE	BY
1	OHIO REALIGNMENT	5/05	BS

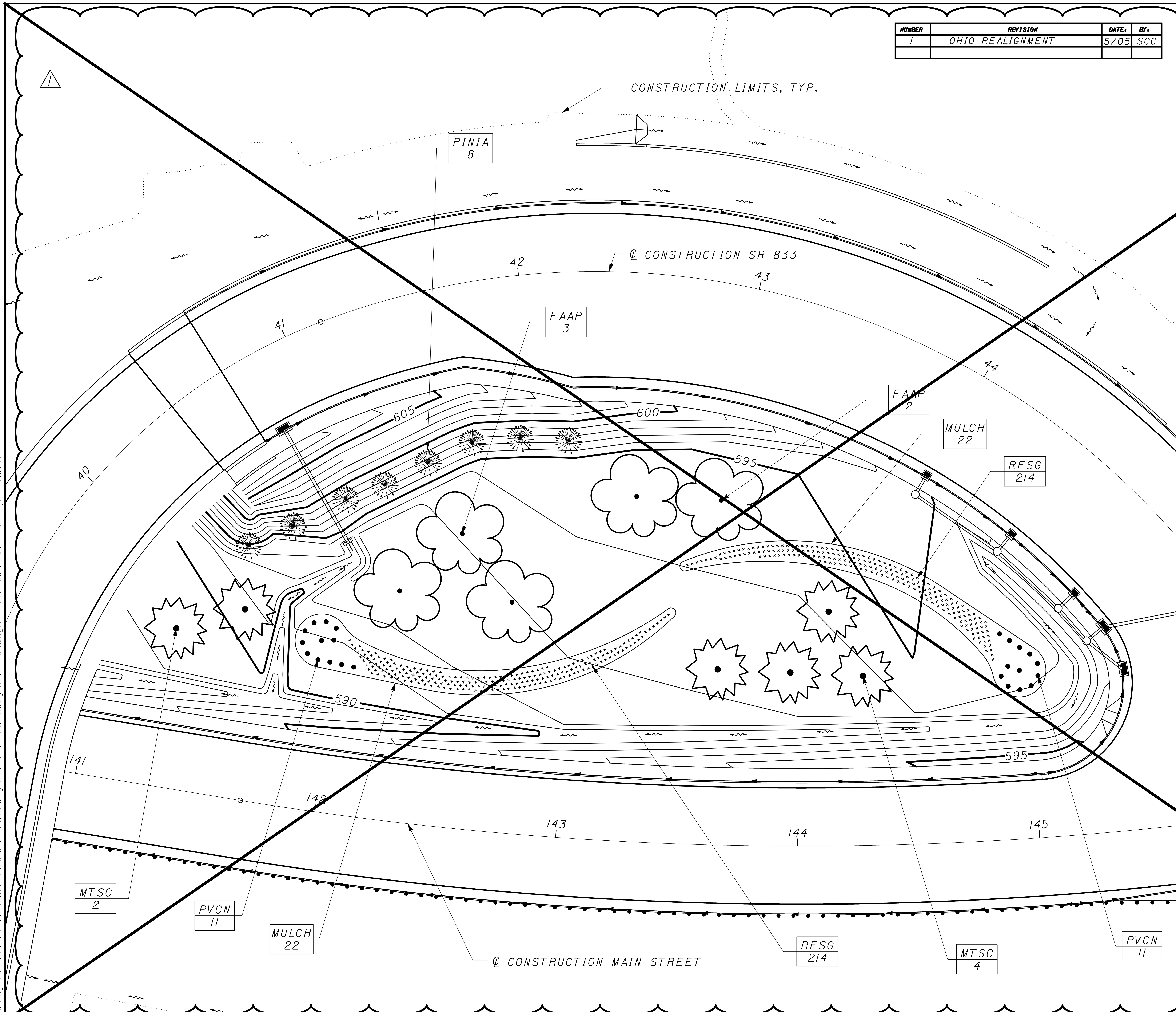
CALCULATED KP

CHECKED JK

ROADWAY LIGHTING DETAILS & CIRCUIT DIAGRAMS

MEG-33-15.70

NUMBER	REVISION	DATE:	BY:
1	OHIO REALIGNMENT	5/05	SCC



NOTES:

FOR CROSS SECTIONS, SEE SHEET NO. 154-159, 177-182.

ITEM	KEY	DESCRIPTION	TYPE: BOTANICAL NAME - COMMON NAME	CONDITION	UNIT	QTY.
661	MULCH	MULCH			CU. YD.	44
661	PVCN	PERENNIALS	PANICUM VIRGATUM 'CLOUD NINE' - CLOUD NINE SWITCH GRASS	#2 CONT., NOT RECENTLY SHEARED	EACH	22
661	RFSG	PERENNIALS	RUDBECKIA FULGIDA SPECIOSA 'GOLDSTURM' - BLACK EYED SUSAN	#1 CONT., 24" O.C.	EACH	428
661	FAAP	DECIDUOUS TREE, 2 1/2" CALIPER	FRAXINUS AMERICANA 'AUTUMN PURPLE' - AUTUMN PURPLE ASH	35' O.C. TYP., LIMBED UP TO 5' HT.	EACH	5
661	MTSC	DECIDUOUS TREE, 2 1/2" CALIPER	MALUS TRANSITORIA 'SCHMIDTCUTLEAF' - GOLDEN RAINDROPS CRABAPPLE	30' O.C. TYP., LIMBED UP TO 5' HT.	EACH	6
661	PINIA	EVERGREEN TREE, 8' HEIGHT	PINUS NIGRA - AUSTRIAN PINE	NOT RECENTLY SHEARED	EACH	8
662		LANDSCAPE WATERING			M GAL	2

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED MHT

CHECKED LEH

LANDSCAPING PLAN

MEG-33-15.70

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GENERAL DRAWINGS

WEST VIRGINIA APPROACH SPANS

CABLE-STAYED MAINSPAN UNIT

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

REVIEWED SLS
DATE 8-02
STRUCTURE FILE NUMBER 5300916 OH 10385 WV
DRAWN CER
REVISED
DESIGNED DLJ
CHECKED MWL

INDEX OF DRAWINGS (1)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

5/16/2006 7:27:38 AM
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CABLE-STAYED MAINSPAN UNIT

OHIO APPROACH SPANS

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

REVIEWED SLS
DATE 8-02
STRUCTURE FILE NUMBER 5300916 OH 10385 WV
DRAWN CER
REVISED
DESIGNED DLJ
CHECKED MWL

INDEX OF DRAWINGS (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

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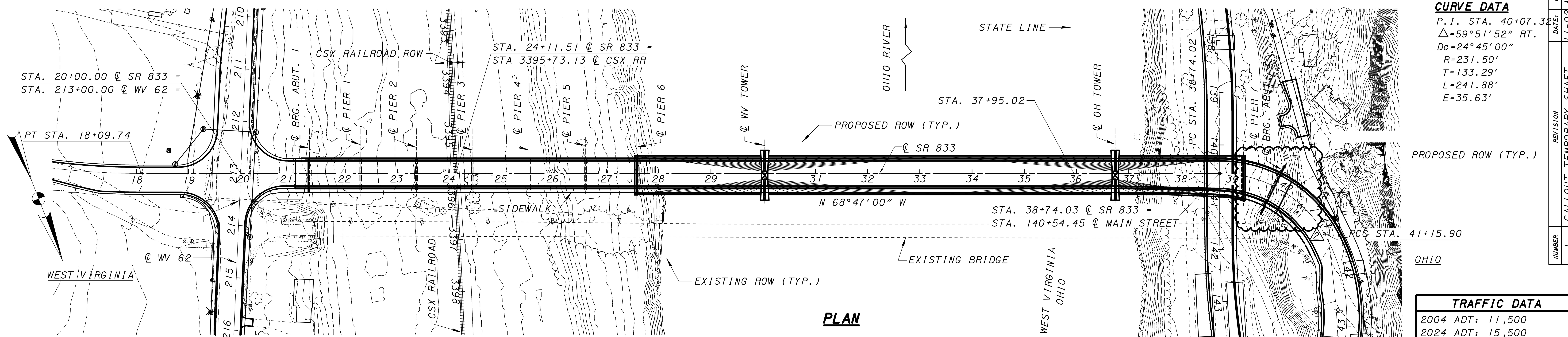
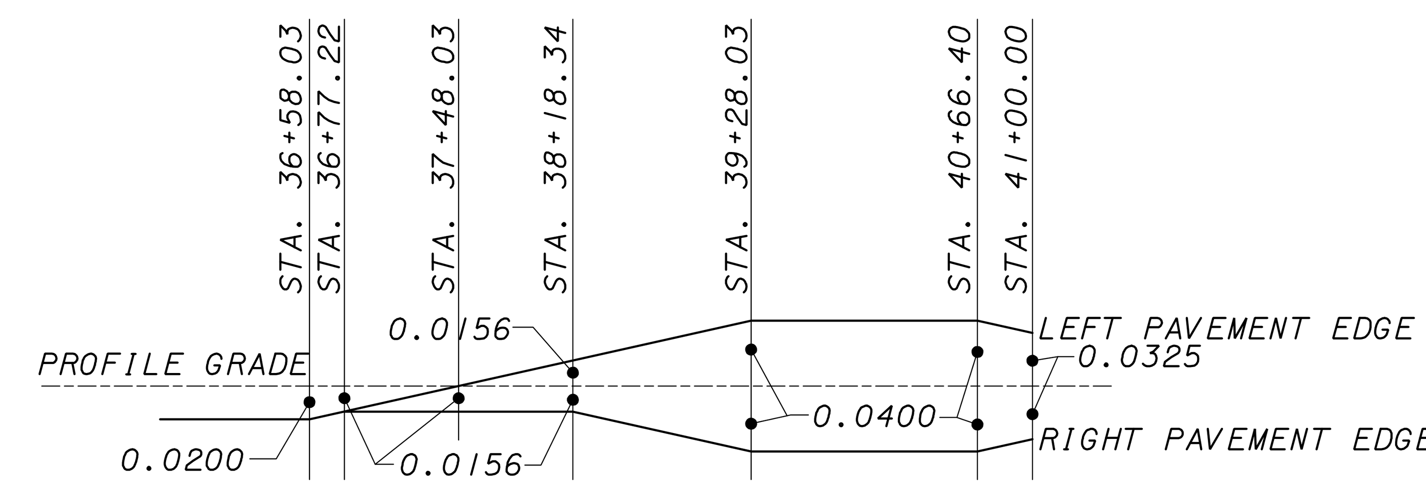


EXISTING MAINSPAN STRUCTURE	PROPOSED MAINSPAN STRUCTURE
TYPE: VARIABLE DEPTH CANTILEVER THROUGH TRUSS WITH REINFORCED CONCRETE SUBSTRUCTURE. SPANS: 260′±, 665′± & 260′± MEASURED C/C BEARINGS. DESIGN LOADING: UNKNOWN ROADWAY: 20′-0″± MEASURED TOE TO TOE OF CURB ALIGNMENT: TANGENT. SKEW: NONE WEARING SURFACE: RUBBERIZED ASPHALT SIDEWALK: 7′-7½″± TIMBER PLANK (LEFT SIDE) DATE BUILT: 1929±. CONDITION: FAIR STRUCTURE FILE NO.:5300908	TYPE: THREE SPAN CABLE STAYED WITH REINFORCED CONCRETE SUPERSTRUCTURE & SUBSTRUCTURE. SPANS: 244′-0″, 675′-0″ & 244′-0″ MEASURED C/C PIERS. LOADING: HS25 & THE ALTERNATE MILITARY LOADING ROADWAY: VARIES (56′-0″ MIN.) MEASURED TOE TO TOE OF DEFLECTOR PARAPET SIDEWALK: 6′-0″ RIGHT SIDE WEARING SURFACE: 1¼″ MICRO SILICA MODIFIED CONCRETE OVERLAY ALIGNMENT: TANGENT & 24°45′00″ CURVE RIGHT SKEW: NONE CROWN: VARIES, ¼″/ft. TO SUPERELEVATED LATITUDE: N39°00′47″ LONGITUDE: W82°02′30″



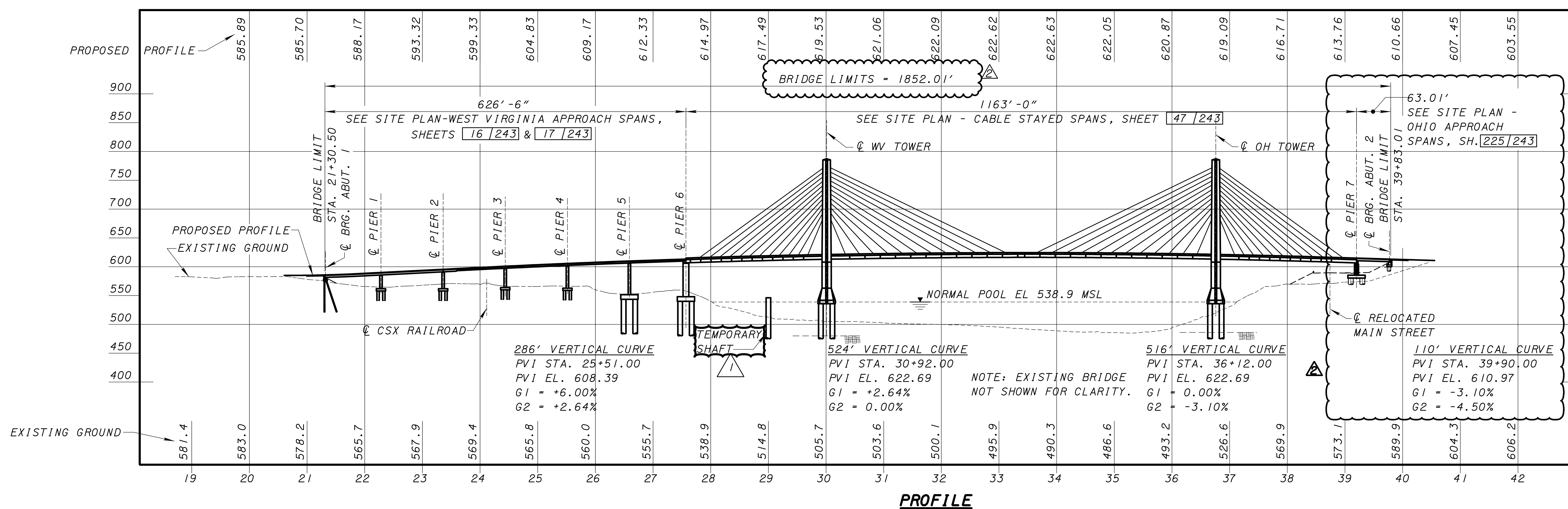
PAVEMENT TRANSITION DETAIL

TRAFFIC DATA
2004 ADT: 11,500
2024 ADT: 15,500
% TRUCK: 6%
DIRECTIONAL DIST.: 50%
PEAK HOUR FACTOR: 9%

RAILROAD TRAFFIC DATA
CURRENT RAILROAD TRAFFIC IS ABOUT 5 TRAINS PER DAY.

NOTES

1. REFER TO APPROPRIATE SITE PLAN & DETAIL SHEETS FOR ADDITIONAL INFORMANTION.



REVISION	NUMBER	DATE	BY
CALLOUT TEMPORARY SHAFT	1	11-02	MJZ
REVISE OHIO APPROACH	2	12-04	MJZ

DESIGN AGENCY: BRW HAZELET & ERDAL, A URS COMPANY, 36 EAST 7TH STREET, SUITE 2300, CINCINNATI, OHIO 45202, (513) 651-3440

REVIEWED: JRC · DATE: 5-02 · STRUCTURE FILE NUMBER: 5300916 OH, 10385 WV

DRAWN: GJW · REVISED

DESIGNED: DLJ · CHECKED: MJZ

MASON COUNTY, WV / MEIGS COUNTY, OH
STA. 21+30.50 / STA. 40+45.00

SCHEMATIC PLAN OF SITE

BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

3 / 243

333 / 582

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1. STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS:

1.1 REFERENCE SHALL BE MADE TO STANDARD DRAWINGS:
AS-1-81 REVISED 4-20-01
EXJ-6-93 REVISED 04-20-01.
PSID-1-99 DATED 10-20-00
SICD-1-96 REVISED 04-20-01.

1.2 REFERENCE SHALL BE MADE TO SUPPLEMENTAL SPECIFICATIONS:
NO. 842 1/6/99 CONCRETE FOR STRUCTURES.
NO. 844 1/6/99 HIGH PERFORMANCE CONCRETE FOR STRUCTURES.
NO. 846 9/9/97 TREATING CONCRETE BRIDGE DECKS WITH HMWM RESIN.
NO. 847 6/30/98 BRIDGE DECK REPAIR AND OVERLAY WITH CONCRETE USING SCARIFICATION AND CHIPPING.
NO. 863 10/12/99 STRUCTURAL STEEL MEMBERS
NO. 864 7/11/00 SEALING OF CONCRETE SURFACES
NO. 865 2/22/00 PRESTRESSED CONCRETE BRIDGE MEMBERS
NO. 899 10/21/98 CONCRETE - GENERAL.
NO. 954 9/9/97 HIGH MOLECULAR WEIGHT METHACRYLATE (HMWM) RESIN.

2. CONSTRUCTION SPECIFICATIONS:

2.1 STATE OF OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS, JANUARY 1, 1997.
2.2 PROJECT SPECIAL PROVISIONS.

3. DESIGN SPECIFICATIONS:

3.1 AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, SIXTEENTH EDITION, 1996, WITH INTERIM SPECIFICATIONS THRU 2000.
3.2 AASHTO GUIDE SPECIFICATIONS FOR DESIGN AND CONSTRUCTION OF SEGMENTAL CONCRETE BRIDGES, SECOND EDITION, 1999.
3.3 AASHTO GUIDE SPECIFICATIONS AND COMMENTARY FOR VESSEL COLLISION DESIGN OF HIGHWAY BRIDGES, 1991.
3.4 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECOND EDITION, 1998 (FOR STRUT-TIE MODELING)
3.5 CEB/FIP MODEL CODE FOR CONCRETE STRUCTURES, 1990 EDITION, (FOR TIME DEPENDENT BEHAVIOR OF CONCRETE).
3.6 POST-TENSIONING INSTITUTE RECOMMENDATIONS FOR STAY CABLE DESIGN, TESTING AND INSTALLATION, 2000. (1993 FOR FATIGUE REQUIREMENTS)

4. DIMENSIONS AND ELEVATIONS:

4.1 ALL DIMENSIONS ARE MEASURED HORIZONTALLY AND VERTICALLY UNLESS NOTED OTHERWISE.
4.2 VERTICAL DATUM ACCORDING TO NAVD 1988.
4.3 HORIZONTAL DATUM: COORDINATES ARE BASED ON A RECTANGULAR STATE PLANE COORDINATE SYSTEM, NAD 1983 SOUTH ZONE.
4.4 ALL DIMENSIONS, ANGLES AND ELEVATIONS ARE SHOWN FOR 60 DEGREES FAHRENHEIT AT THE TIME THE BRIDGE IS OPEN TO TRAFFIC (BEFORE LONG-TERM DEFLECTIONS).

5. DESIGN METHOD:

5.1 ALL MAJOR COMPONENTS ARE DESIGNED FOR LOAD FACTOR DESIGN, EXCEPT FOR PRESTRESSED MEMBERS (INCLUDING TRANSVERSE POST-TENSIONED FLOORBEAMS) WHICH ARE DESIGNED BY SERVICE LOAD DESIGN AND CHECKED FOR ULTIMATE STRENGTH DESIGN.
5.2 POST-TENSIONING EFFECTS ARE CONSIDERED AS PERMANENT LOADS AND ARE INCLUDED UNDER ALL LOAD CONDITIONS.
5.3 STAY CABLES ARE DESIGNED FOR SERVICE LOADS.

6. DEAD LOADS:

6.1 UNIT WEIGHTS OF MATERIALS IN ACCORDANCE WITH AASHTO ART. 3.3.6 WITH THE FOLLOWING ADDITIONS (WITH REINFORCEMENT):
CONCRETE FOR SUPERSTRUCTURE 150 PCF
SECONDARY POUR BALLAST CONCRETE 145 PCF
SEAL CONCRETE 145 PCF

6.2 UTILITY ALLOWANCE: 20 PLF

6.3 MAINSPAN UNIT: 1¼" INITIAL WEARING SURFACE IS TO BE PROVIDED OVER THE LIMITS OF THE ROADWAY (16 PSF). NO ALLOWANCE FOR FUTURE WEARING SURFACE.
6.4 APPROACH SPANS: FUTURE WEARING SURFACE = 25 PSF.
6.5 FOR CREEP AND SHRINKAGE COEFFICIENTS ASSUMED IN DESIGN SEE SHEET NO. 201/243.

7. LIVE LOADS:

7.1 HS25 LIVE LOAD, MODIFIED FOR MILITARY LOADING (ONE LANE OF ALTERNATE MILITARY LOADING TO REPLACE ANY HS25 LANE).
7.2 FOR FATIGUE, HS20-44 LIVE LOAD, CASE II.

8. WIND LOADS:

8.1 FOR WIND LOADING DIAGRAMS AND INFORMATION SEE SHEET NO. 8/243.

9. THERMAL LOADS:

MEAN TEMPERATURE = 60 DEGREES F
COEFFICIENT OF THERMAL EXPANSION = $6.0x\ 10^{-6}$ PER DEGREES F (CONCRETE) $6.5x\ 10^{-6}$/F (CABLES)
9.1 UNIFORM SEASONAL TEMPERATURE RISE AND FALL:
TEMPERATURE RISE = 35 DEGREES F
TEMPERATURE FALL = 45 DEGREES F
9.2 TEMPERATURE DIFFERENTIAL BETWEEN TOP AND BOTTOM OF DECK IS 18 DEGREES F (LINEAR, TOP SURFACE WARMER THAN BOTTOM SURFACE).
9.3 UNIFORM TEMPERATURE DIFFERENTIAL BETWEEN THE STAY CABLES AND THE DECK/TOWERS/PIERS = +/- 15 DEGREES F.
9.4 TEMPERATURE DIFFERENTIAL BETWEEN EAST AND WEST FACES OF THE TOWERS = 18 DEGREES F.
9.5 THERMAL LOAD GROUP COMBINATION: THE TEMPERATURE LOAD (T) IN THE AASHTO LOAD GROUPS SHALL BE THE UNIFORM TEMPERATURE EFFECTS SUMMED WITH THE DIFFERENTIAL TEMPERATURE EFFECTS NOTED ABOVE. A THERMAL DIFFERENTIAL OF 0.5 DT SHALL BE USED WHEN THE AASHTO LOAD COMBINATION INCLUDES FULL LIVE LOAD PLUS IMPACT.

10. VESSEL IMPACT LOADS:

THE EQUIVALENT STATIC IMPACT FORCES ARE SHOWN IN THE TABLES BELOW. THE DESIGN VESSEL (FULLY LOADED TOW) IMPACT WILL BE APPLIED AT AN ELEVATION OF 568.9, AND THE ALTERNATE DESIGN VESSEL (EMPTY JUMBO HOPPER BARGE) IMPACT WILL BE APPLIED AN ELEVATION OF 588.9.

A WATER DEPTH OF NINE (9) FEET IS POSSIBLE AROUND PIERS 5, 6 AND THE TOWERS AT THE DESIGN RIVER ELEVATION OF 562.9. THEREFORE, PIERS 5 AND 6 AND THE TOWERS WILL BE DESIGNED FOR THE IMPACT FROM THE DESIGN VESSEL (FULLY LOADED TOW).

A WATER DEPTH OF TWO (2) FEET IS POSSIBLE AROUND PIERS 1 THROUGH 6 AND THE TOWERS AT THE 100-YEAR FLOOD ELEVATION OF 576.4. THEREFORE, PIERS 1 THROUGH 4 WILL BE DESIGNED FOR IMPACT FROM THE ALTERNATE DESIGN VESSEL (EMPTY JUMBO HOPPER BARGE).

THE IMPACT FORCES SHOULD BE APPLIED AT THEIR RESPECTIVE ELEVATIONS FOR GLOBAL SUBSTRUCTURE DESIGN AND FOR FOUNDATION DESIGN.

THE IMPACT FORCE SHALL BE APPLIED AS TWO NON-SIMULTANEOUS LOAD CASES AS FOLLOWS: 100% OF THE IMPACT FORCE SHALL BE APPLIED IN A DIRECTION PARALLEL TO THE NAVIGATION CHANNEL; 50% OF THE IMPACT FORCE SHALL BE APPLIED IN A DIRECTION PERPENDICULAR TO THE NAVIGATION CHANNEL.

DESIGN VESSEL STATIC FORCES ON PIERS - FULLY LOADED TOW (KIPS)

	PIER 1	PIER 2	PIER 3	PIER 4	PIER 5	PIER 6	WV TOWER	OH TOWER
STATIC BARGE IMPACT FORCE	N/A	N/A	N/A	N/A	4489	4557	4537	4537

ALTERNATE DESIGN VESSEL STATIC FORCES ON PIERS - EMPTY HOPPER BARGE (KIPS)

	PIER 1	PIER 2	PIER 3	PIER 4	PIER 5	PIER 6	WV TOWER	OH TOWER
STATIC BARGE IMPACT FORCE	1373	1373	1385	1405	1431	1441	1511	1511

11. EARTHQUAKE LOADS:

11.1 SEISMIC LOADS AND DESIGN IN ACCORDANCE WITH AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, DIVISION 1-A SEISMIC DESIGN, AND THE ODOT BRIDGE DESIGN MANUAL, JANUARY 2000.
11.2 HORIZONTAL ACCELERATION: 0.05G, SEISMIC PREFORMANCE CATEGORY A.

12. ICE LOADS:

12.1 PROVISIONS OF AASHTO ARTICLE 3.18.2 APPLY, WITH 6 INCHES OF ICE AND AN EFFECTIVE ICE STRENGTH OF 200 PSI ACTING AT ELEVATION 555.2.

13. STREAM FLOW:

13.1 100 YEAR FLOOD FLOW: 6.66 FPS.

14. SCOUR DEPTH ASSUMPTIONS:

14.1 NO SCOUR INTO ROCK IS CONSIDERED. OVERBURDEN IS ASSUMED ENTIRELY SCOURED AT TOWER LOCATIONS.
14.2 SCOUR DEPTH:
ABUT 1 = 7'-0"
PIER 1 = 3'-0"
PIER 2 = 3'-0"
PIER 3 = 3'-6"
PIER 4 = 3'-6"
PIER 5 = 6'-0"
PIER 6 = 12'-0"
PIER 7 = 0'-0"
PIER 8 = 0'-0"
ABUT 2 = 0'-0"

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REVIEWED SLS
DATE 8-02
STRUCTURE FILE NUMBER 5300916 OH 10385 WV
DRAWN AMH
REVISED
DESIGNED DLJ
CHECKED RJB

GENERAL NOTES (1)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

15. CONCRETE:

15.1 ALL CONCRETE PROPERTIES SHALL BE IN ACCORDANCE WITH SPECIFIED 28-DAY COMPRESSIVE STRENGTH (f'c) AND CONCRETE CLASS AS FOLLOWS:

15.1.1 GENERAL CONCRETE

a.	PRESTRESSED CONCRETE BOX BEAMS		8,000 psi
b.	PRESSTRESSED AASHTO BEAMS		7,000 psi
c.	DECK AND DIAPHRAGMS *	HPC	4,500 psi
d.	SUBSTRUCTURE	CLASS C	4,000 psi
e.	DRILL SHAFTS	CLASS S	4,000 psi
f.	PARAPETS AND OTHER MEMBERS	HPC	4,500 psi

* HIGH PERFORMANCE CONCRETE HPC SS 844 FOR SUPERSTRUCTURE

15.1.2 MAIN SPAN UNIT

a.	CIP SUPERSTRUCTURE (CABLE STAYED)	CLASS S2	6,000 psi
b.	TOWERS (CABLE STAYED)	CLASS S2	6,000 psi
c.	PIERS	CLASS C	4,000 psi
d.	DRILLED SHAFTS	CLASS S	4,500 psi

15.2 A MINIMUM CONCRETE COMPRESSIVE STRENGTH OF 3500 PSI SHALL BE OBTAINED PRIOR TO POST-TENSIONING UNLESS NOTED OTHERWISE.

15.3 PROVIDE ¾" CHAMFERS ON ALL EXPOSED EDGES, UNLESS NOTED OTHERWISE.

15.4 CONSTRUCTION JOINTS WILL BE PERMITTED ONLY AT LOCATIONS INDICATED ON PLANS. ADDITIONAL CONSTRUCTION JOINTS OR ALTERATIONS TO THOSE SHOWN SHALL REQUIRE WRITTEN APPROVAL OF THE ENGINEER.

15.5 CASTING OF THE FOLLOWING CONCRETE ELEMENTS SHALL CONFORM TO THE REQUIREMENTS OF THE MASS CONCRETE SPECIAL PROVISION: FOOTING CAPS OF ALL PIERS, PIERS 6 AND 7, TOWERS BELOW DECK, SOLID PORTIONS OF TOWER CROSS-STRUT, FLOORBEAM TYPES FB2 & FB3, EDGE GIRDERS, WV DIAPHRAGM SEGMENT AND OH DIAPHRAGM SEGMENT.

16. REINFORCING STEEL:

16.1 ALL REINFORCING STEEL SHALL BE ASTM A615, GRADE 60.

16.2 ALL REINFORCING STEEL SHALL BE EPOXY COATED EXCEPT BURSTING STEEL FOR POST-TENSIONING ANCHORAGES SHALL BE GALVANIZED.

16.3 ALL DIMENSIONS PERTAINING TO LOCATION OF REINFORCING STEEL ARE TO CENTERLINE OF BARS EXCEPT WHERE CLEAR DIMENSION IS NOTED TO FACE OF CONCRETE.

16.4 REINFORCING STEEL DETAIL DIMENSIONS ARE OUT-TO-OUT OF BARS.

16.5 SPIRAL REINFORCING MAY BE PLAIN BARS, ASTM A82 OR A615

16.6 COVER ON REINFORCING STEEL AS FOLLOWS, UNLESS NOTED OTHERWISE:

SUPERSTRUCTURE

TOP OF SLAB (MAINSPAN UNIT)	1½" (EXCLUSIVE OF 1¼" INITIAL WEARING SURFACE)
TOP OF SLAB (APPROACHES)	2½" (INCLUDES 1" MONOLITHIC WEARING SURFACE)
BOTTOM OF SLAB	1½"
ALL OTHER SURFACES	2"

SUBSTRUCTURE

FOOTINGS	3"
DRILLED SHAFTS (MIN)	6" (3" AT ROCK SOCKET)
COLUMN/TOWER BELOW DECK	3" EXTERNAL
ALL OTHER SURFACES (INC. PIERS AND WALLS)	2"

16.7 CONCRETE COVER SHOWN IN THE PLANS DO NOT INCLUDE REINFORCEMENT PLACEMENT AND FABRICATION TOLERANCES UNLESS SHOWN AS "MINIMUM COVER".

16.8 MECHANICAL COUPLERS SHALL DEVELOP NOT LESS THAN 125% OF THE YIELD STRENGTH OF THE BAR AND SHALL BE EPOXY COATED.

17. POST-TENSIONING/PRESTRESSING:

17.1 POST-TENSIONING STRAND SHALL CONFORM TO ASTM A416, GRADE 270, LOW RELAXATION STRAND.

17.2 POST-TENSIONING BARS SHALL CONFORM TO ASTM A722, GRADE 150.

17.3 DESIGN IS BASED ON THE FOLLOWING INITIAL TENDON STRESSES AND TENDON CHARACTERISTICS:

STRANDS: STRAND SIZE	0.6" DIA. LR
WOBBLE COEFFICIENT (K)	
INTERNAL TENDONS	0.0002/FT.
FRICTION COEFF. (μ)	
INTERNAL TENDONS	0.25
ANCHOR SET	0.25"
MAX. JACKING STRESS (PERMANENT)	0.8 f's
MAX. ANCHORAGE STRESS (AT ANCHOR)	0.7 f's
MAX ANCHORAGE STRESS INTERNAL LOCATIONS	0.83 f*y <= 0.74f's
APPARENT MODULUS OF ELASTICITY	28,000 KSI
BARS: WOBBLE COEFFICIENT (K)	0.0002/FT.
FRICTION COEFF. (μ)	0.30
ANCHOR SET	0"
MAX. JACKING STRESS	0.8 f's
MAX. ANCHORAGE STRESS (AT ANCHOR)	0.7 f's
MODULUS OF ELASTICITY	29,000 KSI

17.4 ALL PERMANENT PRESTRESSING STEEL SHALL BE SECURED AT THE ENDS BY MEANS OF PERMANENT TYPE ANCHORAGE DEVICES MEETING THE APPROVAL OF THE ENGINEER. THE ANCHORAGES SHALL DEVELOP AT LEAST 95 PERCENT OF THE MINIMUM SPECIFIED ULTIMATE TENSILE STRENGTH OF THE PRESTRESSING STEEL, TESTED IN AN UNBONDED STATE, WITHOUT EXCEEDING THE ANTICIPATED SET. THE ANCHORAGE SHALL BE SO ARRANGED THAT THE PRESTRESSING FORCE IN THE TENDON MAY BE VERIFIED PRIOR TO REMOVAL OF THE STRESSING EQUIPMENT.

17.5 ANCHORAGE SYSTEMS AND BLOCKOUTS AND THEIR DETAILS INCLUDING SPIRAL REINFORCING AT ANCHORS SHALL BE DETERMINED BY THE POST-TENSIONING SYSTEM USED. THE CONTRACTOR SHALL DETERMINE DIMENSIONS AND SHALL ADJUST BLOCKOUTS AND REINFORCING AS REQUIRED.

17.6 TRANSVERSE TENDONS IN THE FLOOR BEAMS AND LONGITUDINAL TENDONS IN THE DECK SLAB SHALL BE PLACED IN POLYETHYLENE DUCTS.

17.7 PRESTRESSING STRAND FOR APPROACH SPANS SHALL CONFORM TO ASTM A416, GRADE 270, LOW RELAXATION STRAND.

17.8 PRESTRESSING STRANDS FOR BOX BEAMS SHALL BE 0.6" DIA. STRANDS (0.217 IN^2).

17.9 PRESTRESSING STRANDS FOR AASHTO TYPE III BEAMS SHALL BE 0.5" DIA. STRANDS (0.167 IN^2).

18. STAY CABLES:

18.1 STAY CABLES SHALL BE COMPRISED OF 0.6" DIAMETER LOW-RELAXATION WELDLESS SEVEN-WIRE STRAND CONFORMING TO THE REQUIREMENTS OF ASTM A416, GRADE 270.

18.2 THE 0.6" DIAMETER STRANDS SHALL BE GREASED AND INDIVIDUALLY SHEATHED IN HI-DENSITY POLYETHYLENE. THE ENTIRE STAY CABLE WILL THEN BE ENCASED IN AN UNGROUTED OUTER HI-DENSITY POLYETHYLENE PIPE.

18.3 ACCEPTANCE TESTING OF STAY CABLES SHALL BE IN ACCORDANCE WITH THE PTI RECOMMENDATIONS FOR STAY CABLE DESIGN, TESTING, AND INSTALLATION.

18.4 CO-EXTRUDED HI-DENSITY POLYETHYLENE PIPE WITH WHITE COLORED EXTERIOR AND BLACK COLORED INTERIOR WITH SPIRAL BEAD ADEQUATE FOR PREVENTING WATER RIVULET FORMATION UNDER RAIN-WIND CONDITIONS. CONTRACTOR MUST SUBMIT SAMPLES AND TEST DATA ON WEATHERING CHARACTERISTICS AND ON ADEQUACY OF THE SPIRAL BEAD FOR REVIEW AND APPROVAL BY THE OWNER AND THE ENGINEER.

19. MISCELLANEOUS METALS:

19.1 LADDERS, PLATFORMS AND MISCELLANEOUS METAL: ASTM A709 GRADE 36 GALVANIZED IN ACCORDANCE WITH 711.02.

19.2 DOORS, HATCHES AND HARDWARE ARE TO BE OF STAINLESS STEEL MATERIALS AS NOTED ON PLANS OR SPECIAL PROVISIONS.

19.3 EXPANSION JOINTS: ASTM A709 GRADE 50 (METALIZED OR GALVANIZED).

20. DECK PROTECTION METHOD:

20.1 MAIN SPAN UNIT
EPOXY COATED REINFORCING STEEL AND BAR COUPLERS.
1¼" INITIAL WEARING SURFACE.
NO PROVISION FOR ADDITIONAL FUTURE WEARING SURFACE (INITIAL WEARING SURFACE TO BE REMOVED AND REPLACED).
2¾" CONCRETE COVER.
CAST DRIP GROOVE.

20.2 APPROACH SPANS
EPOXY COATED REINFORCING STEEL AND BAR COUPLERS.
2½" CONCRETE COVER.
CAST DRIP GROOVE.
MONOLITHIC WEARING SURFACE IS ASSUMED, FOR DESIGN PURPOSES TO BE 1" THICK.

21. BEARINGS:

21.1 COMPOSITE NEOPRENE BEARING PADS AS SPECIFIED IN THE PLANS.

21.2 BEARING PAD SHIMS:⅛" THICK PREFORMED BEARING PAD SHIMS, PLAN AREA 8 INCHES BY 10 INCHES AND 10 INCHES BY 10 INCHES SHALL BE PLACED UNDER THE ELASTOMERIC BEARING PADS WHERE REQUIRED FOR PROPER BEARING. THE AMOUNT SUPPLIED IS SUFFICIENT FOR TWO SHIMS PER BEAM. PAYMENT WILL BE MADE AT THE CONTRACT BID PRICE FOR ITEM 516 -⅛" PREFORMED BEARING PADS. ANY UNUSED SHIMS SHALL BECOME THE PROPERTY OF THE STATE.

22. FOUNDATIONS:

22.1 PILES SHALL BE DRIVEN TO REFUSAL ON BEDROCK. REFUSAL SHALL BE CONSIDERED AS OBTAINED BY PENETRATING SOFT BEDROCK FOR SEVERAL INCHES WITH A MINIMUM RESISTANCE OF 20 BLOWS PER INCH OR REFUSAL SHALL BE CONSIDERED AS OBTAINED AFTER THE PILE HAS THEN RECEIVED AT LEAST 20 BLOWS. THE CONTRACTOR IS RESPONSIBLE FOR SELECTING THE HAMMER SIZE TO ACHIEVE THE REQUIRED DEPTH TO BEDROCK AND REFUSAL.

THE ULTIMATE BEARING VALUE IS 100 TONS PER PILE FOR THE ABUTMENT PILES. THE ULTIMATE BEARING VALUE IS 135 TONS PER PILE FOR THE OH REST PIER (PIER 7) PILES. THE ULTIMATE BEARING VALUE IS 100 TONS PER PILE FOR THE PIER 8 PILES.

ABUTMENT 1 PILES
24 PILES 100 FEET LONG, ESTIMATED LENGTH
24 PILES OF ORDER LENGTH 60 FEET LONG
24 PILES OF ORDER LENGTH 40 FEET LONG
24 SPLICES

PIER 7 PILES (OHIO REST PIER)
36 PILES 50 FEET LONG, ESTIMATED LENGTH
36 PILES OF ORDER LENGTH 50 FEET LONG
18 SPLICES

PIER 8 PILES
30 PILES 50 FEET LONG, ESTIMATED LENGTH
30 PILES OF ORDER LENGTH 50 FEET LONG
15 SPLICES

ABUTMENT 2 PILES
20 PILES 35 FEET LONG, ESTIMATED LENGTH
20 PILES OF ORDER LENGTH 35 FEET LONG
10 SPLICES

22.2 UNFACTORED DESIGN LOADS FOR THE DRILLED SHAFTS ARE AS FOLLOWS:

UNFACTORED DESIGN LOADS FOR DRILLED SHAFTS

PIER	SHAFT DIAMETER (INCHES)	ROCK SOCKET DIAMETER (INCHES)	MAXIMUM AXIAL LOAD (KIPS)	MAXIMUM UPLIFT (KIPS)	MAXIMUM MOMENT (KIP-FT)	MAXIMUM SHEAR (KIPS)	MAXIMUM LATERAL LOAD (KIPS)
1	54	48	1150	95	2250	230	230
2	54	48	1190	60	2100	230	230
3	54	48	1190	60	2100	230	230
4	54	48	1185	30	2100	235	235
5	102	96	1850	250	13000	750	750
6	102	96	3231	1108	19442	1178	1178
WV TOWER	102	96	7791	N/A	25331	2577	765
OH TOWER	102	96	8256	N/A	23861	2249	932

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DESIGNED DLJ | CHECKED RJB | DRAWN CER | REVISED | REVIEWED SLS | DATE 8-02 | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

GENERAL NOTES (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

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22.3 FOUR FOOT DIAMETER DRILLED SHAFTS WEST VIRGINIA APPROACH PIERS 1 THROUGH 4: THE DESIGN LOAD IS RESISTED BY SHAFT ADHESION WITHIN A PORTION OF THE BEDROCK SOCKET AND ALSO BY SHAFT END BEARING. THE ALLOWABLE BEDROCK SOCKET ADHESION IS 4.0 TONS PER SQUARE FOOT ASSUMED TO ACT ALONG THE BOTTOM 10 FEET OF THE BEDROCK SOCKET. THE ALLOWABLE END BEARING PRESSURE IS 3.2 TONS PER SQUARE FOOT.

22.4 EIGHT FOOT DIAMETER DRILLED SHAFTS WEST VIRGINIA APPROACH PIER 5 AND WV REST PIER (PIER 6): THE DESIGN LOAD IS RESISTED BY SHAFT ADHESION WITHIN A PORTION OF THE BEDROCK SOCKET AND ALSO BY SHAFT END BEARING. THE ALLOWABLE BEDROCK SOCKET ADHESION IS 5.0 TONS PER SQUARE FOOT ASSUMED TO ACT ALONG THE BOTTOM 10 FEET OF THE BEDROCK SOCKET AT PIER 5 AND THE BOTTOM 12 FEET OF THE BEDROCK SOCKET AT PIER 6. THE ALLOWABLE END BEARING PRESSURE IS 3.2 TONS PER SQUARE FOOT.

22.5 EIGHT FOOT DIAMETER DRILLED SHAFTS TOWERS: THE DESIGN LOAD IS RESISTED BY SHAFT ADHESION WITHIN A PORTION OF THE BEDROCK SOCKET AND ALSO BY SHAFT END BEARING. THE ALLOWABLE BEDROCK SOCKET ADHESION IS 5.0 TONS PER SQUARE FOOT THROUGH THE SHALE LAYER, IS IGNORED THROUGH THE MUDSTONE LAYER, AND IS 9.4 TONS PER SQUARE FOOT THROUGH THE SILTSTONE LAYER. THE ALLOWABLE END BEARING PRESSURE IS 33.6 TONS PER SQUARE FOOT.

23. ITEM 503, COFFERDAMS CRIBS AND SHEETING, AS PER PLAN:

23.1 THE SHEETING SHALL BE DRIVEN TO REFUSAL IN HARD FOUNDATION MATERIAL.

23.2 COFFERDAMS LOCATED IN THE OHIO RIVER REQUIRE APPROVAL BY THE U.S. COAST GUARD. COFFERDAM PLANS MUST BE SUBMITTED FOR REVIEW BY THAT AGENCY.

23.3 ALL COFFERDAM MATERIALS SHALL BE REMOVED FROM THE RIVER. THE CONTRACTOR SHALL "SWEEP" THE RIVER IN THE PRESENCE OF THE STATE INSPECTOR TO VERIFY REMOVAL OF ALL COFFERDAM MATERIALS.

23.4 COFFERDAMS SHALL BE PAID FOR AT THE LUMP SUM PRICE FOR "ITEM 503, COFFERDAMS CRIBS AND SHEETING, AS PER PLAN". PAYMENT SHALL BE FULL COMPENSATION FOR FURNISHING, HAULING AND PLACING ALL NECESSARY MATERIALS, CONSTRUCTION AND MAINTENANCE, DIVER AND INSPECTION, DEWATERING, REMOVAL OF BRACING AND REMOVAL OR CUTTING OFF OF SHEET PILING AND FOR ALL LABOR, EQUIPMENT, TOOLS AND INCIDENTALS NECESSARY TO COMPLETE THIS PART OF THE WORK. PARTIAL PAYMENTS MAY BE MADE AS WORK PROGRESSES BASED ON A PAY SCHEDULE SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.

23.5 COFFERDAMS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF OHIO AND SHALL BE SUBMITTED FOR APPROVAL.

1 23.6 TEMPORARY SHEETING REQUIRED FOR CONSTRUCTION OF PIER 3 FOUNDATION OR ANY OTHER SHEETING OR SHORING THE CONTRACTOR DEEMS NECESSARY WITHIN OR ADJACENT TO THE CSX RIGHT-OF-WAY REQUIRES APPROVAL BY CSX RAILROAD. SHEETING AND SHORING DESIGNS SHALL MEET CSX REQUIREMENTS AND BE SUBMITTED TO CSX FOR REVIEW.

24. VERIFICATION OF EXISTING CONDITIONS:

24.1 PLANS OF THE EXISTING BRIDGE ARE AVAILABLE AT THE ODOT DISTRICT 10 OFFICE FOR THE CONTRACTOR'S INSPECTION.

25. EMBANKMENT CONSTRUCTION

25.1 PILE DRIVING CONSTRAINTS ABUTMENT PILES: PRIOR TO DRIVING PILES, THE SPILL THROUGH SLOPES AND THE BRIDGE APPROACH EMBANKMENT BEHIND THE ABUTMENTS SHALL BE CONSTRUCTED UP TO THE LEVEL OF THE SUBGRADE ELEVATION FOR A MINIMUM DISTANCE OF 200 FEET BEHIND EACH ABUTMENT. THE EXCAVATION FOR THE ABUTMENT FOOTINGS AND THE INSTALLATION OF THE ABUTMENT PILES SHALL NOT BEGIN UNTIL AFTER THE ABOVE REQUIRED EMBANKMENT HAS BEEN CONSTRUCTED.

25.2 PILE DRIVING CONSTRAINTS PIER PILES: PRIOR TO DRIVING THE PILES FOR PIERS 7 AND 8 THE EMBANKMENT FOR MAIN STREET SHALL BE CONSTRUCTED UP TO THE LEVEL OF THE SUBGRADE ELEVATION FOR A DISTANCE OF 200 FEET EITHER SIDE OF THE BRIDGE. THE EXCAVATION OF THE PIER FOOTINGS AND INSTALLATION OF THE PIER PILES SHALL NOT BEGIN UNTIL AFTER THE ABOVE REQUIRED EMBANKMENT HAS BEEN CONSTRUCTED.

26. EXISTING STRUCTURE REMOVAL NOTES

26.1 ITEM 202 - STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN WHEN NO LONGER NEEDED TO MAINTAIN TRAFFIC, THE EXISTING STRUCTURE SHALL BE REMOVED UPON RECEIVING PERMISSION FROM THE ENGINEER. REMOVAL OF THE STRUCTURE REQUIRES A PERMIT FROM THE U.S. COAST GUARD. THE CONTRACTOR IS REQUIRED TO OBTAIN THIS PERMIT. ALL COSTS OF OBTAINING THE PERMIT SHALL BE INCLUDED WITH THIS ITEM FOR PAYMENT. ADDITIONAL NOTES AND DETAILS FOR REMOVAL OF THE EXISTING BRIDGE ARE SHOWN ON SHEET NO. 13/243.

27. RAILROAD COORDINATION

27.1 A CONSTRUCTION CLEARANCE OF 14'-0" HORIZONTALLY FROM THE CENTER OF TRACKS AND 22'-0" VERTICALLY FROM A POINT LEVEL WITH THE TOP OF THE HIGHER RAIL AND 6'-0" FROM THE CENTER OF TRACKS SHALL BE MAINTAINED AT ALL TIMES.

28. VALUE ENGINEERING CHANGE PROPOSALS

28.1 VECP THAT CHANGE THE SUPERSTRUCTURE SYSTEM TO STEEL OR STEEL/CONCRETE COMPOSITE SYSTEMS WILL NOT BE ACCEPTED.

1 28.2 VECP THAT CHANGE THE DRILLED SHAFT LATERAL LOAD TESTING AND OSTERBERG LOAD CELL TESTING SPECIAL PROVISIONS WILL NOT BE ACCEPTED.

28.3 VECP THAT CHANGE THE PIER AND TOWER SHAPES WILL NOT BE ACCEPTED.

29. ITEM 503 - UNCLASSIFIED EXCAVATION, AS PER PLAN:

29.1 UNCLASSIFIED EXCAVATION SHALL BE IN ACCORDANCE WITH 503 EXCEPT THAT THE BACKFILL MATERIAL BEHIND THE ABUTMENTS SHALL BE 203 MATERIAL PLACED IN 6 INCH LIFTS.

30. ITEM 864 - SEALING OF CONCRETE SURFACES (EPOXY URETHANE), AS PER PLAN

30.1 THE URETHANE SHALL BE FEDERAL COLOR STANDARD NO. 17778 (OFF-WHITE).

31. POST-TENSIONING TENDONS:

31.1 THE FOLLOWING ITEMS ARE BID AS "LUMP." QUANTITIES PROVIDED BELOW ARE FOR INFORMATIONAL PURPOSES ONLY.

-	SUPERSTRUCTURE STRAND	86391 LBS.
-	TOWER STRAND	42153 LBS.
-	TOWER BAR	33548 LBS.

32. ITEM 524 - DRILLED SHAFT..., AS PER PLAN

32.1 A PROOF CORE SHALL BE DRILLED A MINIMUM OF TWO (2) ROCK SOCKET DIAMETERS BELOW THE PROPOSED TIP ELEVATION OR FIVE (5) FEET INTO THE MUDSTONE LAYER WHICHEVER IS GREATER AT EACH PRODUCTION AND TEST DRILLED SHAFT LOCATION. THE PROOF CORES SHALL BE DRILLED PRIOR TO EXCAVATION OF THE DRILLED SHAFT BEDROCK SOCKET. NQ SIZE ROCK CORE OR APPROVED EQUAL SHALL BE USED. THE RECOVERED ROCK CORES SHALL BE LABELED AS TO THEIR LOCATION AND DEPTH, WITH PERCENT RECOVERY AND RQD VALUES TABULATED. THE ROCK CORES SHALL BE PLACED IN WOOD BOXES FOR TRANSPORT AND STORAGE.

32.2 CARE SHALL BE TAKEN TO PROTECT THE SHALE ON THE SIDEWALLS FROM SOFTENING DURING CONSTRUCTION. TO PREVENT DEGRADATION TO THE ROCK SOCKETS THE FOLLOWING CONSTRUCTION METHOD IS REQUIRED:

32.2.1 DRIVE CASING TO BEDROCK AND EXCAVATE OVERBURDEN

32.2.2 USING A SLURRY AS RECOMMENDED IN THE SPECIAL PROVISIONS, EXCAVATE A HOLE FOR THE ROCK SOCKET THAT IS ONE FOOT LESS THAN THE FINAL DIAMETER TO TWO FEET ABOVE THE FINAL TIP ELEVATION.

32.2.3 THE EXCAVATION MAY BE LEFT OVERNIGHT PROVIDED THAT THE SLURRY IS MAINTAINED WITH THE VISCOSITY RECOMMENDED IN THE SPECIAL PROVISION.

32.2.4 ON THE DAY THE SHAFTS ARE TO BE CAST COMPLETE THE EXCAVATION TO THE FINAL DIAMETER AND TIP ELEVATION.

32.2.5 AFTER COMPLETION OF THE SHAFT, PERFORM FINAL CLEANOUT OF THE SHAFT MAKING SURE SUFFICIENT TIME HAS ELAPSED FOR THE SEDIMENT TO SETTLE OUT OF THE SLURRY.

32.2.6 INSTALL THE REBAR CAGE.

32.2.7 AS SOON AS POSSIBLE AFTER THE CAGE IS INSTALLED, THE CONCRETE SHALL BE PLACED UNDER THE SLURRY USING A PUMP AND TREMMIE PIPE.

32.2.8 IMMEDIATELY AFTER COMPLETION OF THE CONCRETE POUR REMOVE THE CASING IF APPLICABLE.

32.3 SLURRIES SHALL MEET REQUIREMENTS STATED IN THE SPECIAL PROVISIONS.

32.4 AN AIRLIFT SHALL BE REQUIRED TO ASSIST IN CLEANING THE BOTTOM OF THE BEDROCK SOCKET. CONCRETE SHALL BE PLACED FOR THE DRILLED SHAFTS BY PUMPING ONLY AS PER 524.13. THE CONVEYANCE PIPE SHALL BE STEEL OR OTHER APPROVED MATERIAL.

32.5 CROSSHOLE SONIC LOGGING (CSL) TESTS SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

32.6 STEEL CASING SHALL BE PULLED ON ALL DRILLED SHAFTS EXCEPT FOR THE TOWERS.

32.7 PAYMENT FOR ALL MATERIALS EQUIPMENT AND LABOR NECESSARY TO COMPLETE THE WORK AS SPECIFIED ABOVE SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER LINEAR FOOT OF ITEMS 524 DRILLED SHAFT..., AS PER PLAN.

NUMBER	REVISED NOTES	REVISION	DATE:	BY:
1			11-02	DLJ

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REVIEWED	DATE	STRUCTURE FILE NUMBER
SLS	8-02	5300916 OH 10385 WV

DRAWN	REVISED
CER	

DESIGNED	CHECKED
DLJ	RJB

GENERAL NOTES (3)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

33. ITEM 516 SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL, AS PER PLAN

33.1 INSTALL A 3 FOOT WIDE STRIP, 3/32" THICK, GENERAL PURPOSE, HEAVY DUTY NEOPRENE SHEET WITH NYLON FABRIC REINFORCEMENT AT LOCATIONS SHOWN IN THE PLANS. SECURE THE 3 FOOT WIDE NEOPRENE SHEETING TO THE CONCRETE WITH 1 1/4" x #10 GAGE (LENGTH X SHANK DIAMETER) GALVANIZED BUTTON HEAD SPIKES THROUGH A 1 INCH OUTSIDE DIAMETER, #10 GAGE GALVANIZED WASHER. MAXIMUM FASTENER SPACING IS 9 INCHES. OTHER SIMILAR GALVANIZED DEVICES WHICH WILL NOT DAMAGE EITHER THE NEOPRENE OR THE CONCRETE MAY BE USED SUBJECT TO THE APPROVAL OF THE ENGINEER.

33.2 CENTER THE NEOPRENE STRIPS ON ALL JOINTS. FOR HORIZONTAL JOINTS, SECURE THE HORIZONTAL NEOPRENE STRIP BY USING A SINGLE LINE OF FASTENERS, STARTING AT 6 INCHES, +/-, FROM THE TOP OF THE NEOPRENE STRIP. FOR THE VERTICAL JOINTS SECURE THE VERTICAL NEOPRENE STRIP BY USING A SINGLE VERTICAL LINE OF FASTENERS, STARTING AT 6 INCHES, +/-, FROM THE VERTICAL EDGE OF THE NEOPRENE STRIP NEAREST TO THE CENTERLINE OF ROADWAY. FOR VERTICAL JOINTS, INSTALL 2 ADDITIONAL FASTENERS AT 6 INCHES, CENTER TO CENTER, ACROSS THE TOP OF THE NEOPRENE STRIP ON THE SAME SIDE OF THE VERTICAL JOINT AS THE SINGLE VERTICAL ROW OF FASTENERS IS LOCATED.

33.3 THE VERTICAL NEOPRENE STRIPS SHOULD COMPLETELY OVERLAP THE HORIZONTAL STRIPS. LAPS IN THE LENGTH OF THE HORIZONTAL STRIPS DUE TO MATERIAL MANUFACTURING SHALL BE AT LEAST 1 FOOT IN LENGTH, IF NOT VULCANIZED OR ADHESIVE BONDED, OR 6 INCHES IN LENGTH IF THE LAP IS VULCANIZED OR ADHESIVE BONDED. NO LAPS ARE ACCEPTABLE IN VERTICALLY INSTALLED NEOPRENE STRIPS.

33.4 THE NEOPRENE SHEETING SHALL BE 3/32" THICK GENERAL PURPOSE, HEAVY DUTY NEOPRENE SHEET WITH NYLON FABRIC REINFORCEMENT. THE SHEETING SHALL BE "FAIRPRENE NUMBER NN-0003", BY E. I. DUPONT DE NEMOURS AND COMPANY, INC., "WINGPRENE" BY THE GOODYEAR TIRE AND RUBBER COMPANY, OR AN APPROVED ALTERNATE. THE NEOPRENE SHEETING SHALL CONFORM TO THE FOLLOWING:

DESCRIPTION OF TEST	ASTM METHOD	REQUIREMENT
THICKNESS, INCHES	D 751	0.094" +/- .01
BREAKING STRENGTH, GRAB WXF, LBS, MINIMUM	D 751	700 X 700
ADHESIVE 1" STRIP, 2" MINIMUM,	D 751	9 LBS
BURST STRENGTH(MULLEN) PSI, MINIMUM	D 751	1400
HEAT AGING 70 HOURS T 212* F, 180 BEND WITHOUT CRACKING OF COATING	D 2136	NO CRACKING
LOW TEMPERATURE BRITTLENESS 1 HOUR AT -40* F, BEND AROUND 1/4" MANDREL OF COATING	D 2136	NO CRACKING

33.5 IN LIEU OF THE NEOPRENE SHEETING THE CONTRACTOR MAY CHOOSE TO SUPPLY TYPE 3 MEMBRANE, 711.29.

33.6 PAYMENT FOR LABOR, MATERIALS AND INSTALLATION OF THESE ITEMS SHALL BE INCLUDED IN ITEM 516 SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL, AS PER PLAN

34. CONCRETE PARAPETS:

34.1 AS SOON AS A CONCRETE SAW CAN BE OPERATED WITHOUT DAMAGING THE FRESHLY PLACED CONCRETE, 1" DEEP CONTROL JOINTS SHALL BE SAWED INTO THE PERIMETER OF THE CONCRETE PARAPET. THE SAW CUT SHALL BE MADE IN THE COMPLETE CIRCUMFERENCE OF THE PARAPET, STARTING AND ENDING AT THE ELEVATION OF THE CONCRETE DECK. THE SAWCUTS SHALL BE PLACED AT A MINIMUM OF 6 FEET AND A MAXIMUM OF 10 FEET CENTERS. THE USE OF AN EDGE GUIDE, FENCE, OR JIG IS REQUIRED TO INSURE THAT THE CUT JOINT IS STRAIGHT, TRUE, AND ALIGNED ON ALL FACES OF THE PARAPET. THE JOINT WIDTH SHALL BE THE WIDTH OF THE SAW BLADE, A NOMINAL WIDTH OF 1/4 INCH. THE PERIMETER OF THE DEFLECTION CONTROL JOINT SHALL BE SEALED WITH A CAULKING MATERIAL CONFORMING TO FEDERAL SPECIFICATION, TT-S-00227E TO A MINIMUM DEPTH OF 1 INCH. THE BOTTOM 1/2 INCH OF THE INSIDE AND OUTSIDE FACE SHOULD BE LEFT UNSEALED TO ALLOW WATER TO ESCAPE.

35. CONCRETE OVERLAY - MAINSPAN UNIT:

35.1 INITIAL 1¼" CONCRETE OVERLAY ON MAINSPAN UNIT SHALL BE PLACED IN CONFORMANCE WITH SUPPLEMENTAL SPECIFICATION 847.

35.2 THE STRUCTURAL CONCRETE DECK WITHIN THE LIMITS OF THE ROADWAY SHALL BE PROVIDED WITH AN INTENTIONALLY ROUGHENED SURFACE. THE REMOVAL OF THE TOP ¼" OF THE SOUND EXISTING CONCRETE SURFACE, AS REQUIRED BY SUPPLEMENTAL SPECIFICATION 847.18, WILL NOT BE REQUIRED.

LIST OF FREQUENTLY USED ABBREVIATIONS

AASHTO – AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
ADT – AVERAGE DAILY TRAFFIC
AISC – AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ALT – ALTERNATE
ANSI – AMERICAN NATIONAL STANDARDS INSTITUTE
ASD – ALLOWABLE STRESS DESIGN
ASTM – AMERICAN SOCIETY FOR TESTING MATERIALS
B – BOTTOM
BRG – BEARING
C/C – CENTER TO CENTER
CATV – CABLE TELEVISION
CIP – CAST-IN-PLACE
CLR – CLEAR
CJ – CONSTRUCTION JOINT
DIM – DIMENSION
EF – EACH FACE
EL – ELEVATION
ELEV – ELEVATION
ES – EACH SIDE
EW – EACH WAY
EXIST – EXISTING
EXP – EXPANSION
FF – FAR FACE
FIX – FIXED
GDR – GIRDER
IF – INSIDE FACE
LME – LOW MEMBER ELEVATION
LVC – LENGTH OF VERTICAL CURVE
MH – MANHOLE
MHC – MINIMUM HORIZONTAL CLEARANCE
MHW – MEAN HIGH WATER
MSL – MEAN SEA LEVEL
MIN – MINIMUM
MISC – MISCELLANEOUS
MLW – MEAN LOW WATER
MVC – MINIMUM VERTICAL CLEARANCE
NF – NEAR FACE
NHW – NORMAL HIGH WATER
NTS – NOT TO SCALE
ODOT – OHIO DEPARTMENT OF TRANSPORTATION
OH – OHIO
OF – OUTSIDE FACE
PC – POINT OF CURVATURE
PG – PROFILE GRADE
PGL – PROFILE GRADE LINE
PI – POINT OF INTERSECTION
PMVC – POINT OF ACTUAL MINIMUM VERTICAL CLEARANCE
POC – POINT ON CURVE
POT – POINT ON TANGENT
PT – POINT OF TANGENCY
R or RAD – RADIUS
REQ'D – REQUIRED
RR – RAILROAD
R/W – RIGHT OF WAY
SE – SUPERELEVATION
SEG – SEGMENT
SH – SHEET
SHLD – SHOULDER
STA – STATION
T – TOP
TC – TANGENT TO CURVE AT INTERSECTION POINT
TS – TANGENT TO SPIRAL AT INTERSECTION POINT
TYP – TYPICAL
UNO – UNLESS NOTED OTHERWISE
WL – WORK LINE
WP – WORK POINT
WV – WEST VIRGINIA
WVDOH – WEST VIRGINIA DIVISION OF HIGHWAYS
BK – BACK
AH – AHEAD
LT – LEFT
RT – RIGHT
REFERENCED TO DIRECTION OF STATIONING

DESIGN AGENCY
BRW HAZELET & ERDAL
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36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

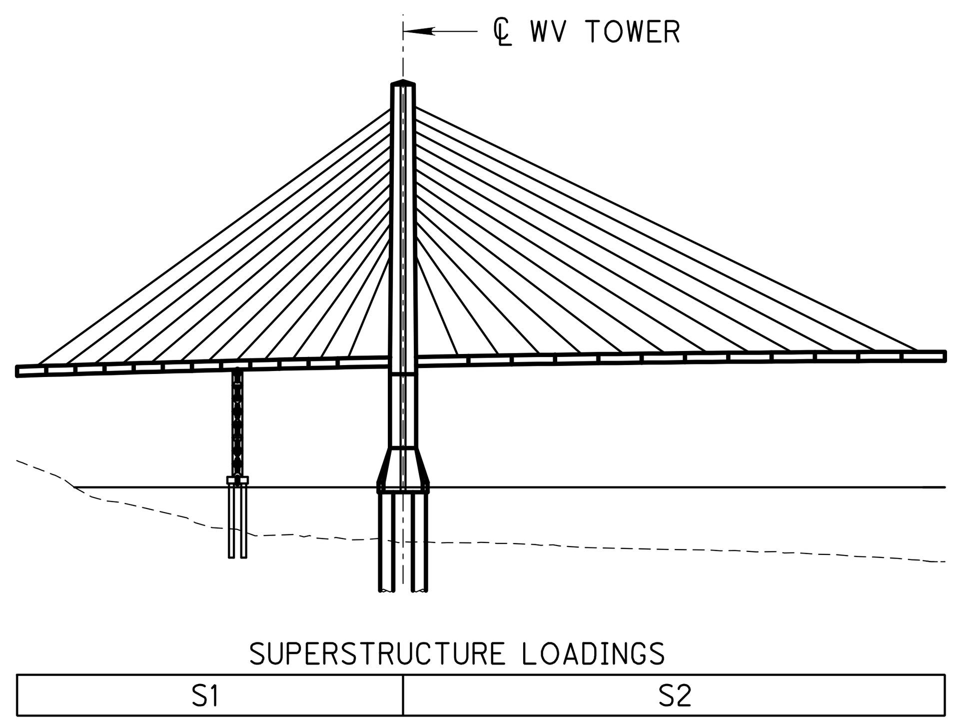
DESIGNED DLJ | CHECKED RJB | DRAWN CER | REVISED | REVIEWED SLS | DATE 8-02 | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

GENERAL NOTES (4)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

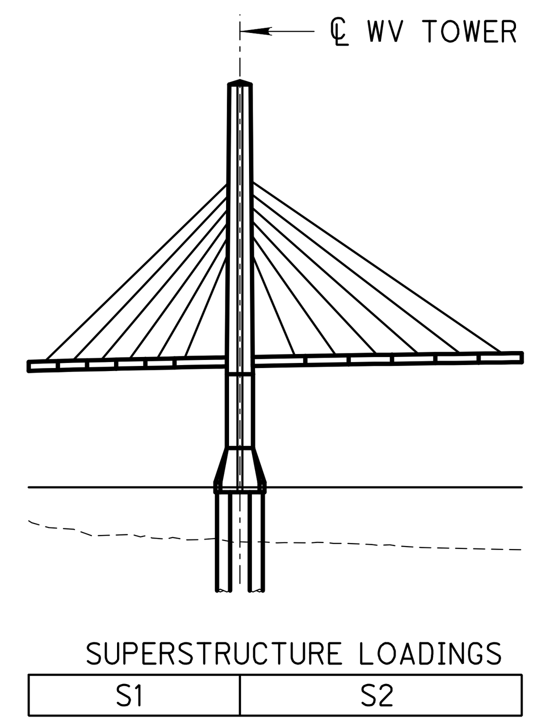
MEG-33-15.70

5/16/2006 7:27:39 AM
e:\bridges\pomeroymason\gnnotesd.dgn

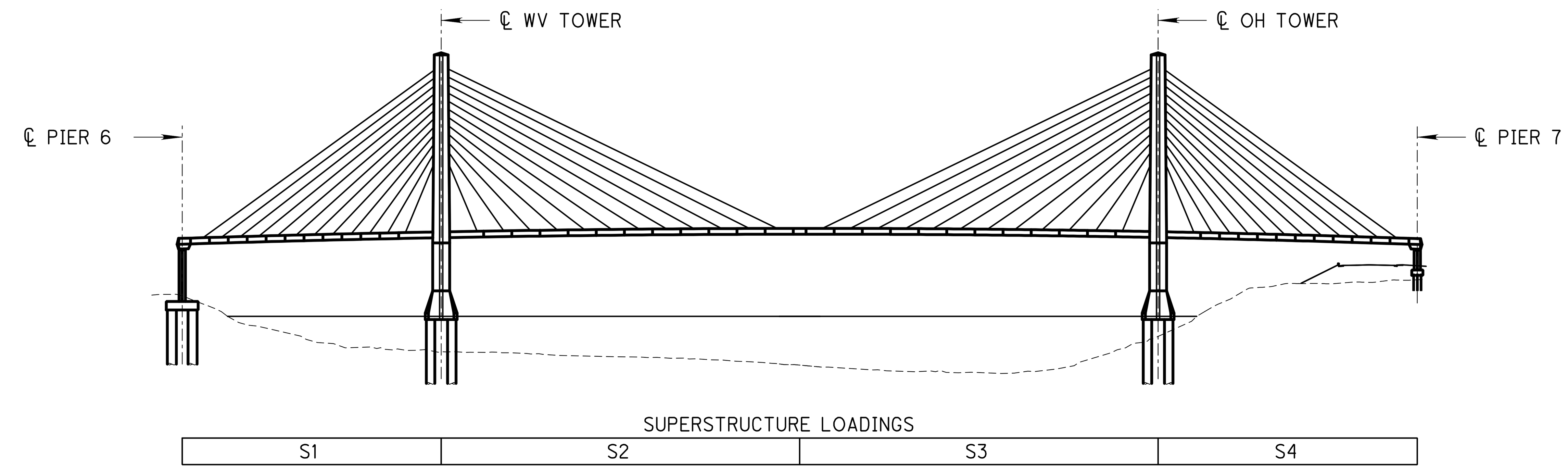
8. WIND LOADS:



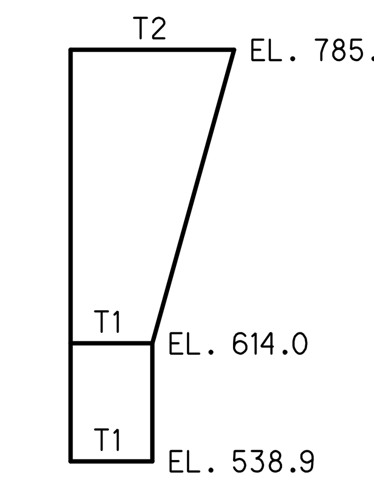
CONSTRUCTION STAGE 1



CONSTRUCTION STAGE 2



COMPLETED STRUCTURE



TOWER LEG LOADINGS

(PRESSURES)

CONSTRUCTION STAGE 1

LOAD CASE	WIND FORCE	S1	S2	T1 (ksf)	T2 (ksf)
I (0° SKEW)	TRANSVERSE FORCE (k/ft)	-0.152	0.152	-0.035	-0.049
	VERTICAL FORCE (k/ft)	-1.834	1.834		
	LONGITUDINAL FORCE (k/ft)				
	TORSIONAL FORCE (k-ft/ft)	-36.93	36.93		
J (90° SKEW)	TRANSVERSE FORCE (k/ft)				
	VERTICAL FORCE (k/ft)	-0.774	-0.774		
	LONGITUDINAL FORCE (k/ft)	0.128	0.128	0.035	0.049
	TORSIONAL FORCE (k-ft/ft)				

CONSTRUCTION STAGE 2

LOAD CASE	WIND FORCE	S1	S2	T1 (ksf)	T2 (ksf)
K (0° SKEW)	TRANSVERSE FORCE (k/ft)	-0.166	0.166	-0.035	-0.049
	VERTICAL FORCE (k/ft)	-2.705	2.705		
	LONGITUDINAL FORCE (k/ft)				
	TORSIONAL FORCE (k-ft/ft)	-23.478	23.478		
L (90° SKEW)	TRANSVERSE FORCE (k/ft)				
	VERTICAL FORCE (k/ft)	-0.774	-0.774		
	LONGITUDINAL FORCE (k/ft)	0.128	0.128	0.035	0.049
	TORSIONAL FORCE (k-ft/ft)				

NOTES

1. ALL LOAD CASES SHOWN ARE QUASI-STATIC INDIVIDUAL WIND LOADING CASES AT SERVICE LEVEL TO REPLICATE THE WIND BUFFETING RESPONSE. ALL FORCES INCLUDE MEAN WIND LOADS, GUST RESPONSE AND INERTIAL LOADS DUE TO THE BRIDGE'S DYNAMIC RESPONSE.

2. LOADS INDICATED FOR THE COMPLETED STRUCTURE COORESPOND TO A ONE HOUR AVERAGE WIND VELOCITY OF 74.7 MPH AT THE REFERENCE ELEVATION AT THE BRIDGE DECK LEVEL. IN ADDITION TO THE WIND FORCES INDICATED A PRESSURE OF 40 PSF SHALL BE APPLIED TO ALL CABLES.

3. LOADS INDICATED FOR THE CONSTRUCTION STAGES CORRESPOND TO A ONE HOUR AVERAGE WIND VELOCITY OF 59.2 MPH AT THE REFERENCE ELEVATION AT THE BRIDGE DECK LEVEL. IN ADDITION TO THE WIND FORCES INDICATED A PRESSURE OF 25 PSF SHALL BE APPLIED TO ALL CABLES.

4. SKEW ANGLES BETWEEN THOSE SHOWN HAVE ALSO BEEN EVALUATED BY SUMMING THE COMPONENTS OF THE LONGITUDINAL AND TRANSVERSE CASES AT THE SKEW ANGLE.

COMPLETED STRUCTURE

LOAD CASE	WIND FORCE	S1	S2	S3	S4	T1 (ksf)	T2 (ksf)
A (0° SKEW)	TRANSVERSE FORCE (k/ft)	-0.32	-0.32	-0.32	-0.32	-0.056	-0.078
	VERTICAL FORCE (k/ft)	-2.84	2.04	2.84	-2.04		
	LONGITUDINAL FORCE (k/ft)						
	TORSIONAL FORCE (k-ft/ft)	10.0	-10.0	-10.0	10.0		
B (0° SKEW)	TRANSVERSE FORCE (k/ft)	-0.32	-0.32	-0.32	-0.32	-0.056	-0.078
	VERTICAL FORCE (k/ft)	-2.04	2.84	2.04	-2.84		
	LONGITUDINAL FORCE (k/ft)						
	TORSIONAL FORCE (k-ft/ft)	10.0	-10.0	-10.0	10.0		
C (90° SKEW)	TRANSVERSE FORCE (k/ft)						
	VERTICAL FORCE (k/ft)	-1.234	-1.234	-1.234	-1.234		
	LONGITUDINAL FORCE (k/ft)	0.204	0.204	0.204	0.204	0.056	0.078
	TORSIONAL FORCE (k-ft/ft)						
D (90° SKEW)	TRANSVERSE FORCE (k/ft)						
	VERTICAL FORCE (k/ft)	1.234	1.234	1.234	1.234		
	LONGITUDINAL FORCE (k/ft)	0.204	0.204	0.204	0.204	0.056	0.078
	TORSIONAL FORCE (k-ft/ft)						
E (180° SKEW)	TRANSVERSE FORCE (k/ft)	0.32	0.32	0.32	0.32	0.056	0.078
	VERTICAL FORCE (k/ft)	-2.84	2.04	2.84	-2.04		
	LONGITUDINAL FORCE (k/ft)						
	TORSIONAL FORCE (k-ft/ft)	-10.0	10.0	10.0	-10.0		
F (180° SKEW)	TRANSVERSE FORCE (k/ft)	0.32	0.32	0.32	0.32	0.056	0.078
	VERTICAL FORCE (k/ft)	-2.04	2.84	2.04	-2.84		
	LONGITUDINAL FORCE (k/ft)						
	TORSIONAL FORCE (k-ft/ft)	-10.0	10.0	10.0	-10.0		
G (270° SKEW)	TRANSVERSE FORCE (k/ft)						
	VERTICAL FORCE (k/ft)	1.234	1.234	1.234	1.234		
	LONGITUDINAL FORCE (k/ft)	-0.204	-0.204	-0.204	-0.204	-0.056	-0.078
	TORSIONAL FORCE (k-ft/ft)						
H (270° SKEW)	TRANSVERSE FORCE (k/ft)						
	VERTICAL FORCE (k/ft)	-1.234	-1.234	-1.234	-1.234		
	LONGITUDINAL FORCE (k/ft)	-0.204	-0.204	-0.204	-0.204	-0.056	-0.078
	TORSIONAL FORCE (k-ft/ft)						

DESIGN AGENCY
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A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DATE 5-02
REVIEWED JRC
STRUCTURE FILE NUMBER 5300916 OH 10385 WV
DRAWN JLS
REVISED
DESIGNED MJZ
CHECKED DLJ

GENERAL NOTES (5)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

NUMBER	REVISION	DATE:	BY:
1	ADD TEMPORARY SHAFT	11-02	MJZ

ESTIMATED QUANTITIES

ITEM	ITEM EXT.	WV APPROACH SPANS	OHIO APPROACH SPANS	CABLE STAYED BRIDGE QUANTITY	TOTAL QUANTITY	UNITS	DESCRIPTION	WV APPROACH ABUTMENT	WV APPROACH PIERS (P1 TO P5)	WV APPROACH SUPER-STRUCTURE	WV REST PIER (PIER 6)	WV TOWER	OH TOWER	CABLE STAYED SUPER-STRUCTURE	OH REST PIER (PIER 7)	OHIO APPROACH PIERS (PIER 8)	OHIO APPROACH ABUTMENT	OHIO APPROACH SUPER-STRUCTURE	GENERAL	SEE SHEET NUMBER
202	11003	LS **	LS	LS **	LS	LUMP	STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN												LS	13 / 243
503	11101	LS	LS	LS	LS	LUMP	COFFERDAMS, CRIBS, AND SHEETING, AS PER PLAN	LS	LS		LS	LS	LS		LS	LS	LS			6 / 243
503	21301	LS	LS	LS	LS	LUMP	UNCLASSIFIED EXCAVATION, AS PER PLAN	LS	LS		LS				LS	LS	LS			6 / 243
505	11100	LS	LS		LS	LUMP	PILE DRIVING EQUIPMENT MOBILIZATION	LS							LS	LS	LS			
507	00100		2200		2200	LIN FT	STEEL PILES HP10X42, FURNISHED									1500	700			
507	00150		1950		1950	LIN FT	STEEL PILES HP10X42, DRIVEN									1350	600			
507	00200			1980	1980	LIN FT	STEEL PILES HP12X53, FURNISHED								1980					
507	00250			1800	1800	LIN FT	STEEL PILES HP12X53, DRIVEN								1800					
507	00300	2400			2400	LIN FT	STEEL PILES HP14X73, FURNISHED	2400												
507	00350	2280			2280	LIN FT	STEEL PILES HP14X73, DRIVEN	2280												
507	50500	24	25	18	67	EACH	STEEL PILE SPLICES	24							18	15	10			
516	11210		72		72	LIN FT	STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL											72		
516	13900	24		43	67	SQ FT	2" PREFORMED EXPANSION JOINT FILLER	24			31				12					
516	14021	74			74	LIN FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL, AS PER PLAN	74												7 / 243
516	41100	108			108	EACH	1/8" PERFORMED BEARING PAD, 711.21			108										
516	43201	180			180	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES ONLY (NEOPRENE) 8"x10"x2.438", AS PER PLAN			180										36 / 243
516	43301	36			36	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES ONLY (NEOPRENE) 10"x10"x3.297", AS PER PLAN			36										36 / 243
516	44001		18		18	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE) 8 1/2 "x1'-2"x1.61" WITH 9 1/2 "x1'-9 1/2 " LOAD PLATE, AS PER PLAN											18		235 / 243
516	44101		18		18	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE) 9 1/2 "x1'-4"x2.96" WITH 10 1/2 "x1'-9 1/2 " LOAD PLATE, AS PER PLAN											18		235 / 243
516	44401			4	4	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE) 2'-8"x2'-2"x9", AS PER PLAN (NOTE 1)							4						166 / 243
516	46900			4	4	EACH	BEARING DEVICE MISC: ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE WITH PTFE SLIDING SURFACE (NEOPRENE) 1'-10.5"x1'-10.5"x2.75", AS PER PLAN (NOTE 1)							4						165 / 243
517	76300	626	93	1163	1882	LIN FT	RAILING MISC: PEDESTRIAN RAILING (NOTE 1)			626				1163				93		
517	76300	1253	245	2326	3824	LIN FT	RAILING MISC: RAILING ON CONCRETE PARAPET (NOTE 1)			1253				2326				245		
517 *	76300	626	93	1163	1882	LIN FT	RAILING MISC: PEDESTRIAN RAILING, ALUMINUM (NOTE 2)			626				1163				93		
517 *	76300	1253	245	2326	3824	LIN FT	RAILING MISC: RAILING ON CONCRETE PARAPET, ALUMINUM (NOTE 2)			1253				2326				245		
518	12201	36		8	44	EACH	SCUPPER, INCLUDING SUPPORTS, AS PER PLAN			36				8						40 / 243
518	21230	LS	LS		LS	LUMP	POROUS BACKFILL WITH FILTER FABRIC	LS									LS			
518	40000	86	92		178	LIN FT	6" PERFORATED CORRUGATED PLASTIC PIPE	86									92			
518	40010	17	17		34	LIN FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	17									17			
524	94905	240			240	LIN FT	DRILLED SHAFTS, 48" DIAMETER, INTO BEDROCK, AS PER PLAN (NOTE 1)		240											6 / 243
524	94907	1890			1890	LIN FT	DRILLED SHAFTS, 54" DIAMETER, ABOVE BEDROCK, AS PER PLAN (NOTE 1)		1890											6 / 243
524	94999	60		648	708	LIN FT	DRILLED SHAFTS, 96" DIAMETER, INTO BEDROCK, AS PER PLAN (NOTE 1)		60		72	288	288							6 / 243
524	95000	390		968	1358	LIN FT	DRILLED SHAFTS, MISC, 102" DIAMETER, ABOVE BEDROCK, AS PER PLAN (NOTE 1)		390		351	347	270							6 / 243
524	95200			LS **	LS	LUMP	DRILLED SHAFTS MISC.: OSTERBERG CELL LOAD TESTING OF DRILLED SHAFTS (NOTE 1)												LS	
524	95200			LS **	LS	LUMP	DRILLED SHAFTS MISC.: LATERAL LOAD TESTING OF DRILLED SHAFTS (NOTE 1)												LS	
524	95200			LS	LS	LUMP	DRILLED SHAFTS MISC.: TEMPORARY 96" DIAMETER, INTO BEDROCK, AS PER PLAN (NOTE 1)												LS	12 / 243
524	95200			LS	LS	LUMP	DRILLED SHAFTS MISC.: TEMPORARY 102" DIAMETER, ABOVE BEDROCK, AS PER PLAN (NOTE 1)												LS	12 / 243
SPECIAL	53000200			LS	LS	LUMP	STRUCTURE, MISC.: STAY CABLE ASSEMBLAGE (NOTE 1)							LS						
SPECIAL	53000200			LS	LS	LUMP	STRUCTURE, MISC.: STAY CABLE TESTING (NOTE 1)							LS						
SPECIAL	53000200			LS	LS	LUMP	STRUCTURE, MISC.: PERMANENT MAINTENANCE. ACCESS INCL. LADDERS, PLATFORMS, RAILINGS, AND STAIRS (NOTE 1)					LS	LS							
SPECIAL	53000200			LS	LS	LUMP	STRUCTURE, MISC.: LIGHTNING PROTECTION SYSTEM (NOTE 1)												LS	
SPECIAL	53000200			LS	LS	LUMP	STRUCTURE, MISC.: POST-TENSIONING TENDONS (SUPERSTRUCTURE STRAND) (NOTE 1)							LS						
SPECIAL	53000200			LS	LS	LUMP	STRUCTURE, MISC.: POST-TENSIONING TENDONS (TOWER STRAND) (NOTE 1)					LS	LS							
SPECIAL	53000200			LS	LS	LUMP	STRUCTURE, MISC.: POST-TENSIONING TENDONS (TOWER BAR) (NOTE 1)					LS	LS							

* ALTERNATE BID ITEM, SEE NOTE 2
** COST FOR THESE ITEMS ARE 100% ODOT

NOTES
1. SEE SPECIAL PROVISIONS
2. THE CONTRACTOR SHALL PREPARE AN ALTERNATE BID ITEM FOR ITEM 517: RAILING MISC.: PEDESTRIAN RAILING AND RAILING MISC.: RAILING ON CONCRETE PARAPET. THE ALTERNATE BID ITEMS SHALL BE THE THE SAME EXCEPT ALUMINUM SHALL BE SUBSTITUDED IN PLACE OF THE STAINLESS STEEL. THE ALUMINUM RAILING SHALL CONFORM TO DIMENSIONS DETAILS SHOWN ON SHEETS 171/243 TO 175/243 AND TO CMS 517.

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DATE 5-02
REVIEWED JRC
STRUCTURE FILE NUMBER 5300916 OH 10385 WV
DRAWN CEJ
REVISED
DESIGNED CEJ
CHECKED MJZ

ESTIMATED QUANTITIES (1)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

1/11/2011 3:45:09 PM
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NUMBER	REVISION	DATE:	BY:
1	UTILITY CONDUIT QUANTITIES	10-02	MJZ

ESTIMATED QUANTITIES

ITEM	ITEM EXT.	WV APPROACH SPANS	OHIO APPROACH SPANS	CABLE STAYED BRIDGE QUANTITY	TOTAL QUANTITY	UNITS	DESCRIPTION	WV APPROACH ABUTMENT	WV APPROACH PIERS (P1 TO P5)	WV APPROACH SUPER-STRUCTURE	WV REST PIER (PIER 6)	WV TOWER	OH TOWER	CABLE STAYED SUPER-STRUCTURE	OH REST PIER (PIER 7)	OHIO APPROACH PIERS (PIER 8)	OHIO APPROACH ABUTMENT	OHIO APPROACH SUPER-STRUCTURE	GENERAL	SEE SHEET NUMBER
601	20000		222		222	SQ YD	CRUSHED AGGREGATE SLOPE PROTECTION										222			
601	32004	1793		341	2134	CU YD	ROCK CHANNEL PROTECTION, TYPE A WITH FABRIC FILTER 3'-0" THICK		1793		341									
SPECIAL	60739900	108			108	LIN FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC			108										
SPECIAL	60739930	108			108	LIN FT	VANDAL PROTECTION FENCE, 12' CURVED, COATED FABRIC			108										
625	25920			1691	1691	LIN FT	CONDUIT, MISC.: 4" CONDUIT INCLUDING INCIDENTAL, CHARTER COMUNICATION (NOTE 2)												1691	
625	25920			1691	1691	LIN FT	CONDUIT, MISC.: 4" CONDUIT INCLUDING INCIDENTAL, VERIZON NORTH (OHIO) (NOTE 2)												1691	
842	40500	1253	154	861	2268	CU YD	CLASS C CONCRETE, PIER ABOVE FOOTING		1253		582				279	154				
842	43500	96	147		243	CU YD	CLASS C CONCRETE, ABUTMENT INCLUDING FOOTING	96									147			
842	46500	861	71	628	1560	CU YD	CLASS C CONCRETE, FOOTING		861		480				148	71				
842	71100			9010	9010	CU YD	CONCRETE MISC.: CLASS S2 CONCRETE, CAST-IN-PLACE SUPERSTRUCTURE (NOTE 1)							9010						
842	71100			6472	6472	CU YD	CONCRETE MISC.: CLASS S2 CONCRETE, TOWERS INCLUDING FOOTING (NOTE 1)					3236	3236							
844	48000	1403	280		1683	CU YD	HIGH PERFORMANCE CONCRETE SUPERSTRUCTURE (DECK)			1403								280		
844	48020	96	18	206	320	CU YD	HIGH PERFORMANCE CONCRETE SUPERSTRUCTURE (PARAPET)			96				206				18		
844	49000	LS	LS		LS	LUMP	HIGH PERFORMANCE CONCRETE TRIAL MIX			LS								LS		
844	49010	LS	LS		LS	LUMP	HIGH PERFORMANCE CONCRETE TESTING			LS								LS		
846	73000	146	82		228	SQ YD	TREATING CONCRETE BRIDGE DECKS WITH HMWM RESIN		146									82		
847	10000			7326	7326	SQ YD	MICRO SILICA MODIFIED CONCRETE OVERLAY 1 1/4" THICK							7326						
863	10001			LS	LS	LUMP	STRUCTURAL STEEL MEMBERS, MISCELLANEOUS LEVEL FABRICATIONS: MODULAR EXPANSION JOINT, AS PER PLAN (NOTE 1)							LS						168 / 243
864	10100	3770	756	14652	19178	SQ YD	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	53	1212	2505	910	3227	3227	6823	465	148	85	523		
865	15010		18		18	EACH	DRAPED STRAND PRESTRESSED CONCRETE BRIDGE I-BEAM MEMBERS, LEVEL3, TYPE 3											18		
865	16000		16		16	EACH	PRESTRESSED CONCRETE BRIDGE I-BEAM MEMBERS, MISC.: DIAPHRAGMS											16		
865	17000	54			54	EACH	PRESTRESSED CONCRETE BRIDGE BEAM, MISC.: BOX BEAM, LEVEL 1, CB39-48			54										
865	20000	48			48	EACH	PRESTRESSED CONCRETE BRIDGE MEMBER, MISC.: DIAPHRAGMS			48										

NOTES
1. SEE SPECIAL PROVISIONS
2. ITEM 625 SHALL BE SPLIT BETWEEN OHIO, WEST VIRGINIA AND UTILITIES AS SHOWN ON SHEET 186/243

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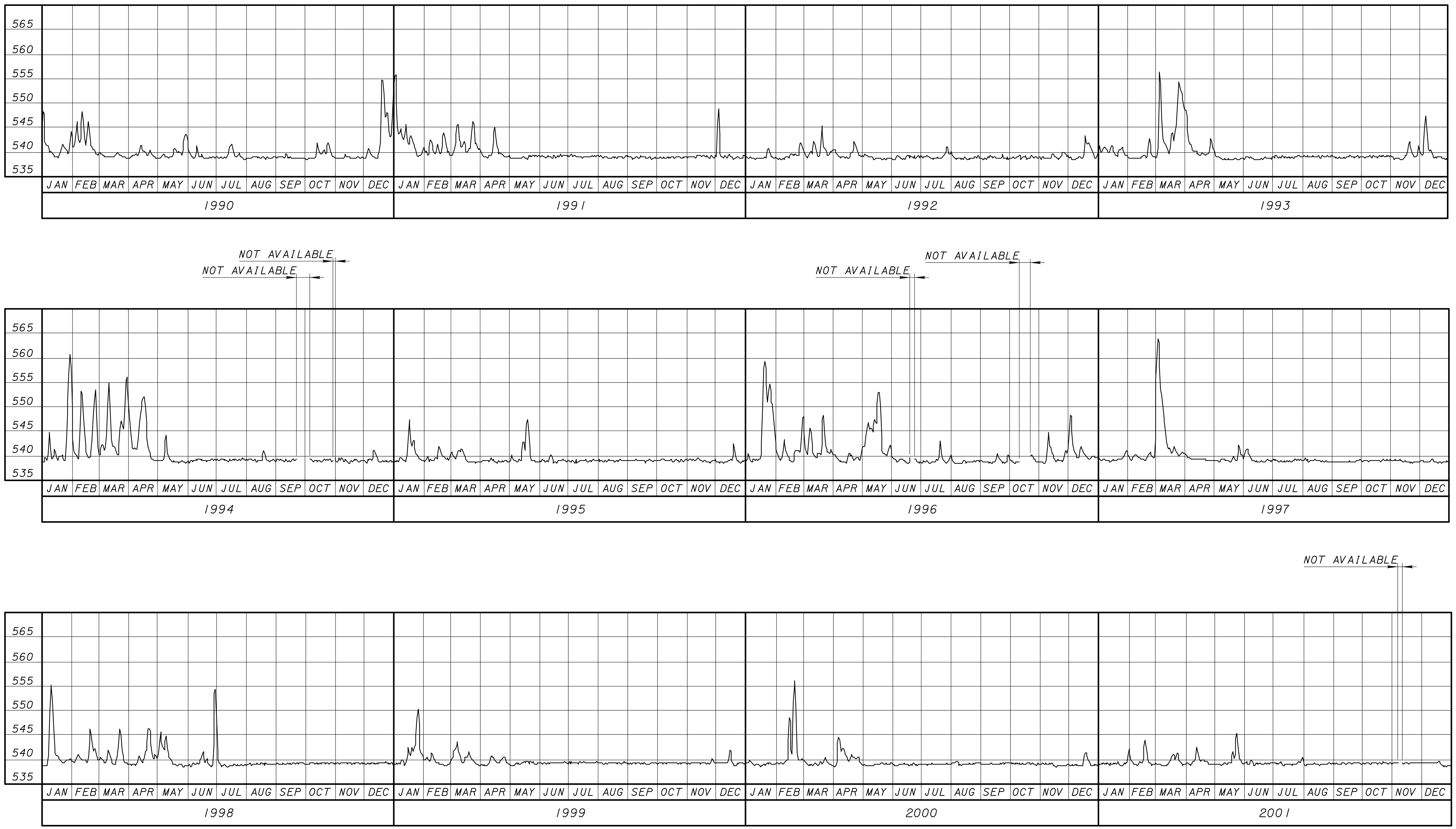
DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DATE 5-02 | STRUCTURE FILE NUMBER 5300916 OH 10385 WV
REVIEWED JRC
DRAWN CEJ | REVISED
DESIGNED CEJ | CHECKED MJZ

ESTIMATED QUANTITIES (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70



NOTES

1. THE DATA ON THIS SHEET HAS BEEN OBTAINED FROM THE U.S.G.S. GAUGING STATION AT POINT PLEASANT, WV.
2. ELEVATIONS SHOWN ARE BASED ON THE 1929 N.V.G.D.
3. THE NORMAL POOL ELEVATION AT THIS LOCATION IS 538.0 MSL.
4. GAUGING STATION DOWNTIME OR INVALID DATA IS SHOWN AS "NOT AVAILABLE".

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

REVIEWED JRC DATE 5-02
STRUCTURE FILE NUMBER 5300916 OH 10385 WV
DRAWN MJZ REVISED
DESIGNED EMD CHECKED MJZ

HYDROGRAPH
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

11/243

341/582

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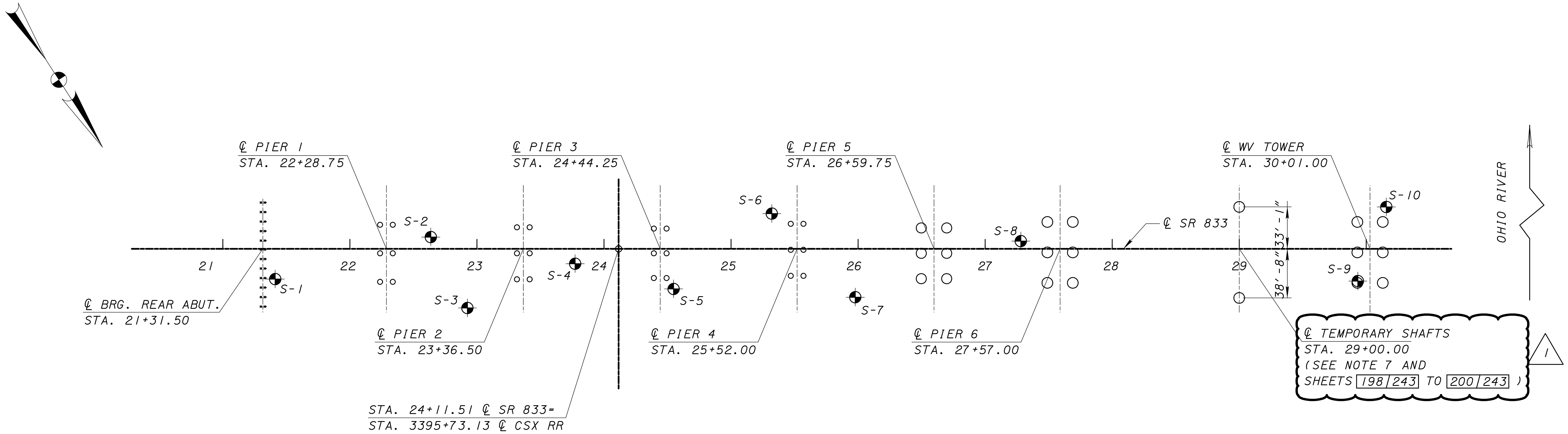
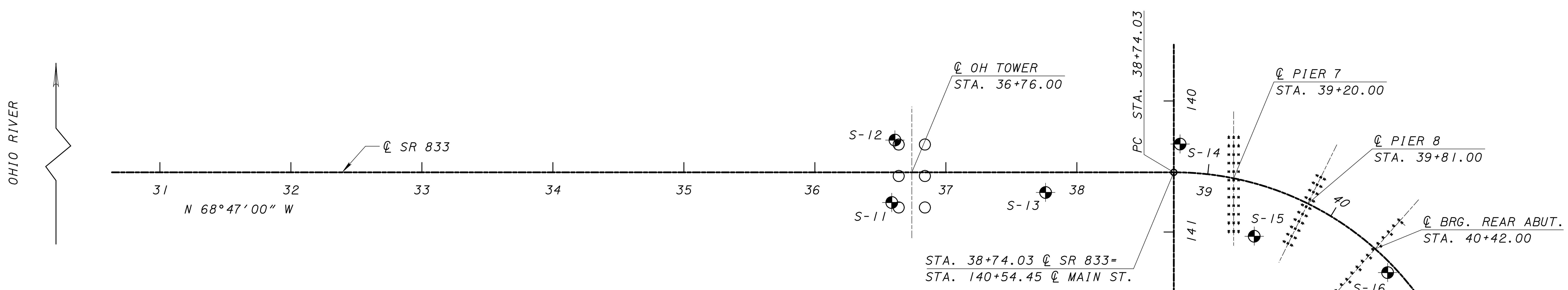


PLAN



PLAN

NOTES:

1. FOR LOCATIONS AND DETAILS OF SOIL BORINGS SEE STRUCTURE FOUNDATION INVESTIGATION DRAWINGS (UNNUMBERED)
2. FOR HORIZONTAL ALIGNMENT, SEE SHEET 3/243
3. FOR GROUNDING OF LIGHTNING PROTECTION SYSTEM, SEE SHEETS 182/243 THRU 184/243
4. FOR FOUNDATION LAYOUT WEST VIRGINIA APPROACH, SEE SHEET 18/243
5. FOR FOUNDATION LAYOUT CABLE STAYED BRIDGE, SEE SHEET 50/243
6. FOR FOUNDATION LAYOUT OHIO APPROACH, SEE SHEET 226/243
7. TEMPORARY SHAFTS SHALL BE CONSTRUCTED AT LOCATIONS SHOWN USING APPROVED CONSTRUCTION PROCEDURES. TEMPORARY SHAFTS SHALL BE IDENTICAL IN SIZE TO THE WV TOWER SHAFTS. THE CONTRACTOR SHALL SET THE TOP OF SHAFT ELEVATION. REINFORCING FOR THE SHAFTS SHALL BE AS A MINIMUM THAT USED IN THE WV TOWER SHAFTS. WITH APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY CHANGE THE STATION OF THE TEMPORARY SHAFTS BY UP TO 50 FEET. REFER TO THE SPECIAL PROVISIONS FOR LATERAL LOAD TESTING OF DRILLED SHAFTS AND OSTERBURG CELL LOAD TESTING OF DRILLED SHAFTS FOR ADDITIONAL REQUIREMENTS. WHEN NO LONGER NEEDED TO SUPPORT TEMPORARY TOWERS OR FOR LOAD TESTING, THE TEMPORARY DRILLED SHAFTS SHALL BE REMOVED TO 1'-0" BELOW THE MUDLINE.

1

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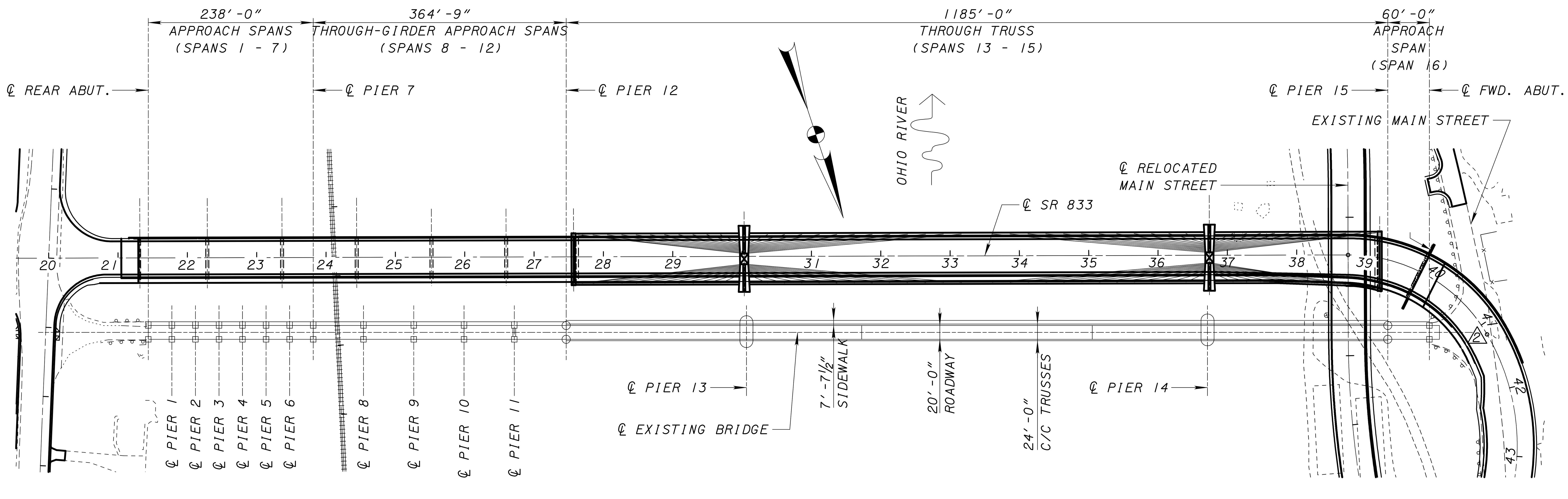
NUMBER	REVISION	DATE	BY
1	REVISE NOTE 7	11-02	MJZ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

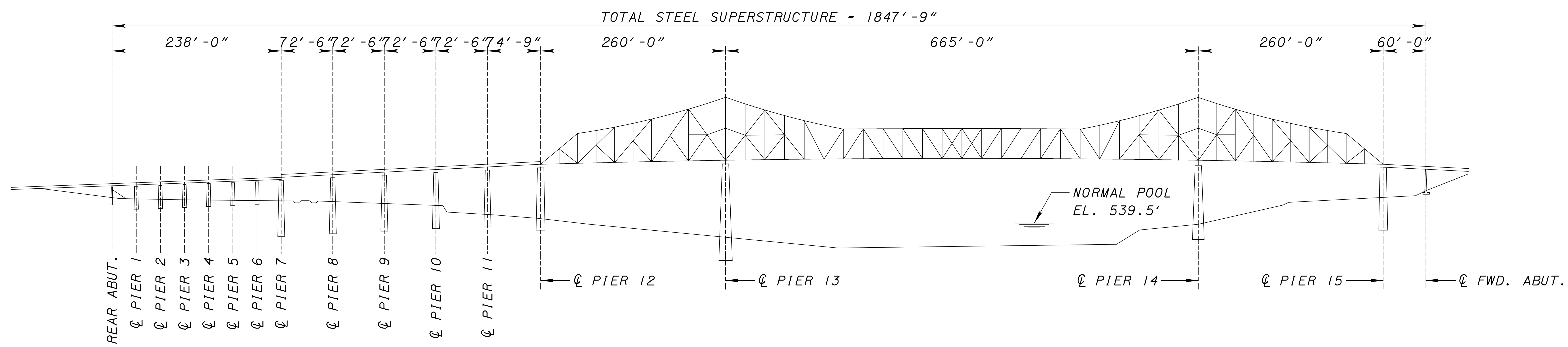
DESIGNED	DRAWN	REVIEWED	DATE
MJZ	BER	JRC	5-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
BER		5300916 OH 10385 WV	

GENERAL FOUNDATION LAYOUT
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70



PLAN



ELEVATION

NOTES

1. THE CONTRACTOR SHALL REMOVE ALL ELEMENTS OF THE EXISTING TRUSS BRIDGE AND APPROACH STRUCTURES TO THE EXTENTS SPECIFIED. COST OF DISPOSAL OF DEMOLITION DEBRIS IS INCIDENTAL TO DEMOLITION.
2. EXISTING PIERS AND ABUTMENTS SHALL BE REMOVED TO A MINIMUM OF 1 FOOT BELOW THE MUD LINE, FINISHED GROUND LINE, OR PROPOSED SUBGRADE, WHICHEVER IS APPLICABLE. PIERS 7 AND 8 ADJACENT TO THE RAILROAD SHALL BE REMOVED TO A MINIMUM OF 3 FOOT BELOW FINISHED GRADE. 1
3. EXISTING BRIDGE DEMOLITION PLANS AND PROCEDURES ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL SUBMIT DETAILED DEMOLITION PLANS FOR REVIEW AND APPROVAL BY THE OHIO DEPARTMENT OF TRANSPORTATION, WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, U. S. COAST GUARD, AND THE CSX RAILROAD. THE DEMOLITION PLANS MUST CLEARLY DEMONSTRATE THE FEASIBILITY AND SAFETY OF ALL PROPOSED OPERATIONS. THE PLANS, COMPUTATIONS AND ALL OTHER MATERIALS SUBMITTED FOR REVIEW MUST BE SEALED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF OHIO. NO WORK ON THE DEMOLITION SHALL PROCEED UNTIL APPROVAL OF ALL PARTIES INVOLVED HAS BEEN OBTAINED.
4. THE CONTRACTOR SHALL PREPARE PLANS FOR PROTECTION OF TRAFFIC (VEHICULAR, PEDESTRIAN, BOAT, TRAIN, ETC.) PLANS SEALED BY A REGISTERED ENGINEER IN THE STATE OF OHIO SHALL BE SUBMITTED TO THE OHIO DEPARTMENT OF TRANSPORTATION, U. S. COAST GUARD, AND THE CSX RAILROAD FOR REVIEW AND APPROVAL AS APPROPRIATE.
5. THE EXISTING NAVIGATIONAL CHANNEL MUST BE KEPT CLEAR AT ALL TIMES. THE CONTRACTOR SHALL COORDINATE ANY TEMPORARY INTERRUPTIONS OF RIVER TRAFFIC WITH THE U. S. COAST GUARD. THE CONTRACTOR IS RESPONSIBLE FOR ADHERING TO ALL PROVISIONS SET FORTH BY THE U. S. COAST GUARD FOR THIS WORK.
6. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS FOR THE REMOVAL OF THE EXISTING BRIDGE SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 202: STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN.
7. REPRESENTATION OF EXISTING BRIDGE SHOWN HERE IS FOR INFORMATION PURPOSES ONLY AND SHOULD NOT BE CONSIDERED PART OF THE BID DOCUMENTS. THE CONTRACTOR IS REFERRED TO THE ORIGINAL PLANS AND FIELD MEASUREMENTS FOR DETAILS OF THE EXISTING STRUCTURE.

NUMBER	REVISION	DATE	BY
1	REVISED NOTE 2	10-02	MJZ

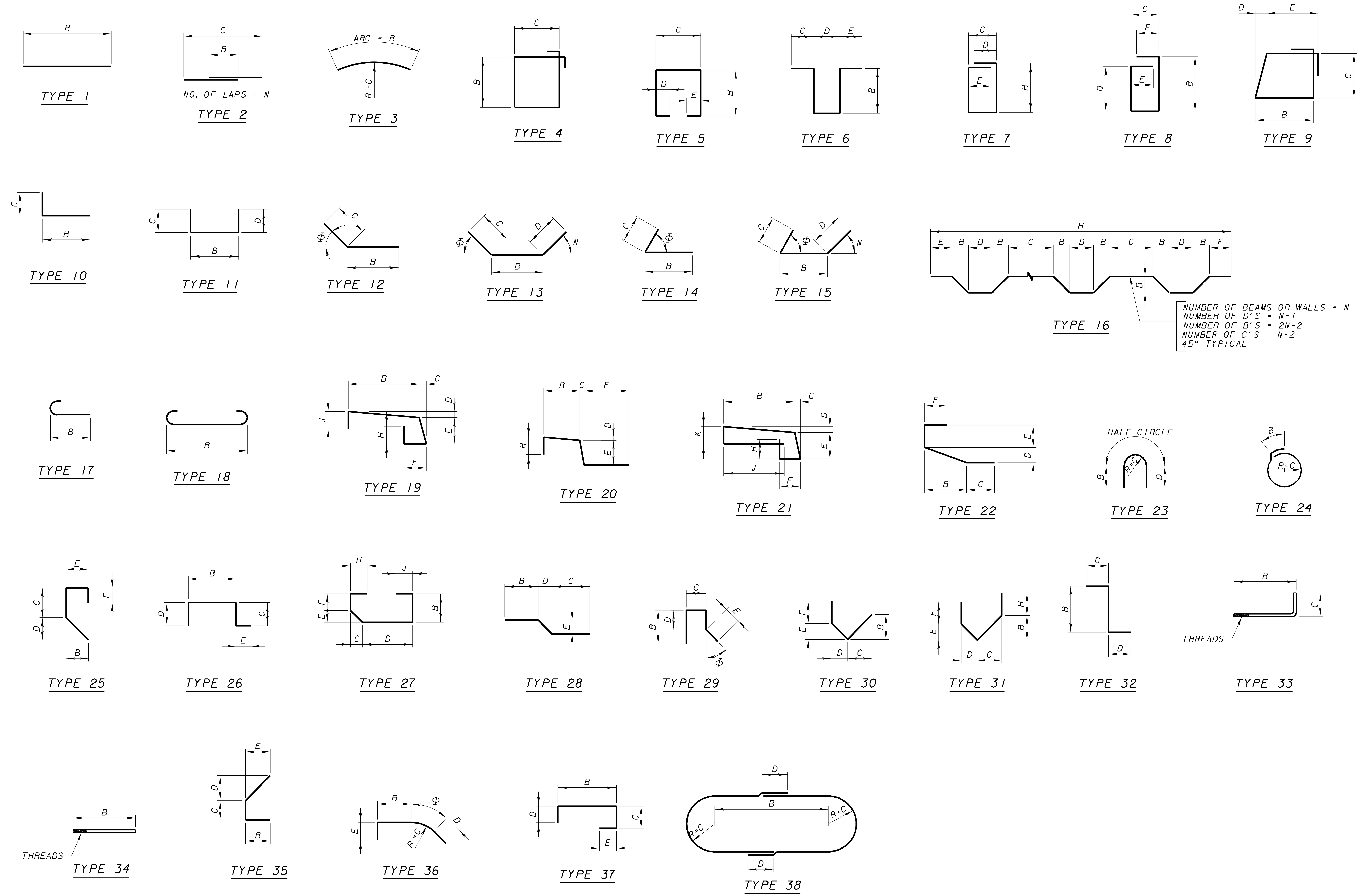
DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
MJZ	CEJ	JRC	5-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
CEJ		5300916 OH 10385 WV	

EXISTING BRIDGE DEMOLITION

BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70



DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3410
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
DLJ	KAC	SLS	8-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
PS		5300916 OH 10385 WV	

STANDARD BAR BENDING DETAILS (1)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

5/16/2006 7:27:40 AM
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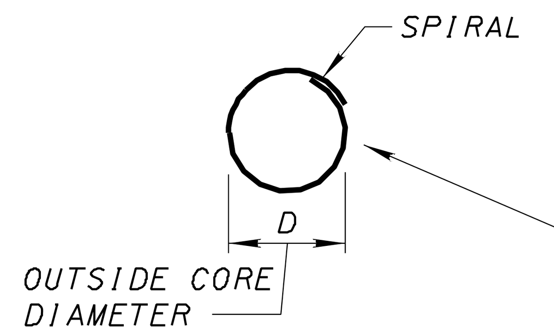
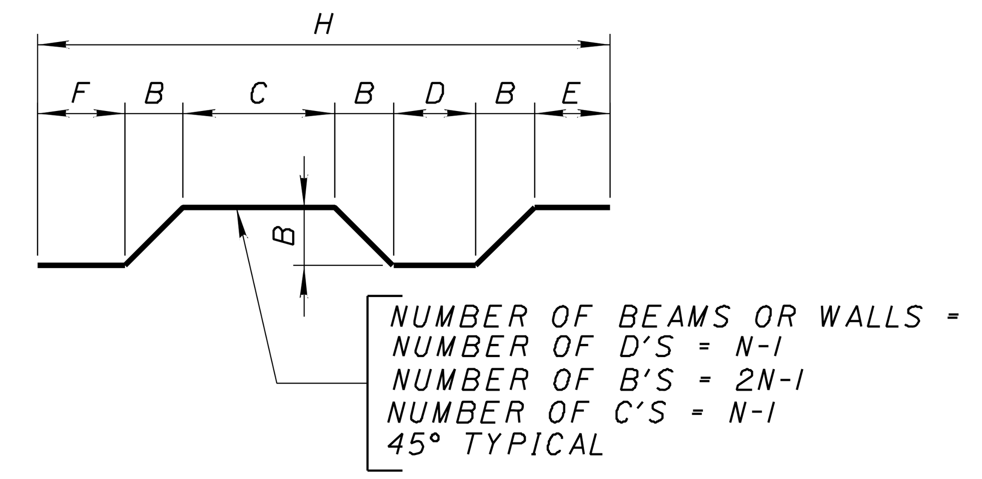
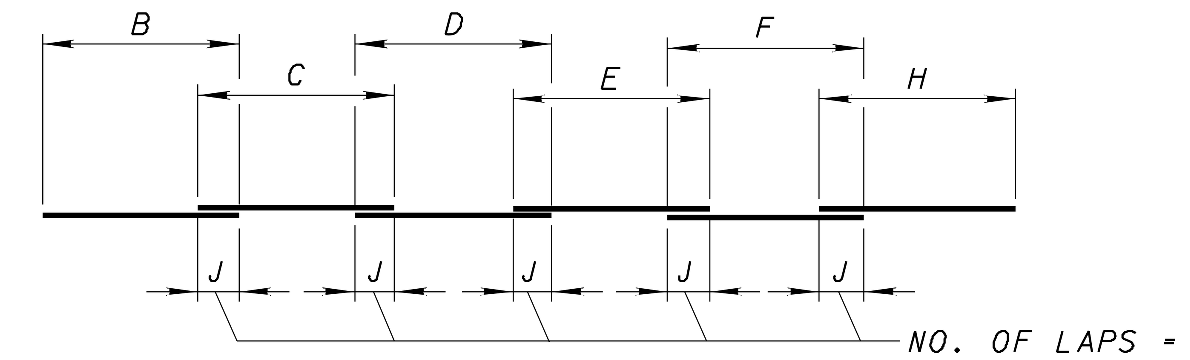


Φ = PITCH (INCHES)
B = OVERALL HEIGHT
SPIRALS SHALL BE MADE OF ASTM A615 GRADE 60 BILLET STEEL USING EITHER PLAIN OR DEFORMED BARS ASTM A615 OR COLD DRAWN STEEL WIRE ASTM A82.
N = TOTAL NUMBER OF CLOSED TURNS AT TOP AND BOTTOM OF COLUMNS
SPLICES MAY BE ACCOMPLISHED BY LAPPING 1.5 TURNS.

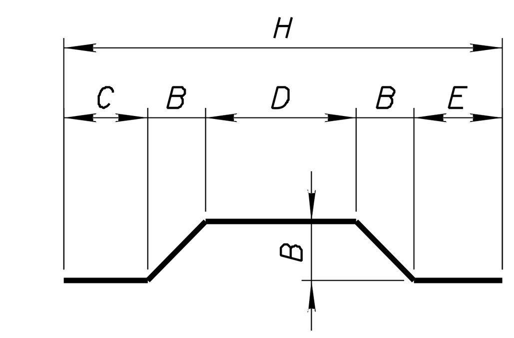
TYPE 39



TYPE 40



TYPE 41



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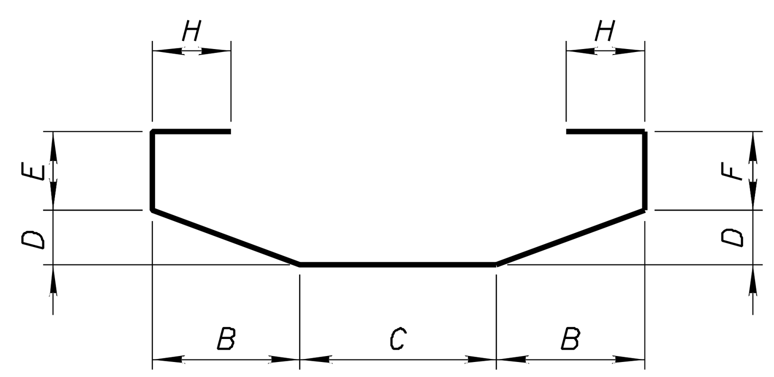

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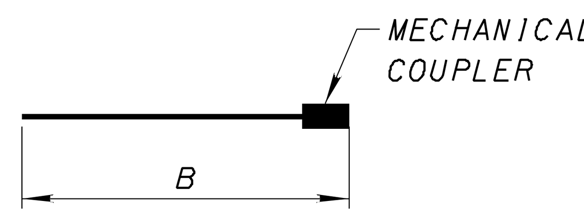

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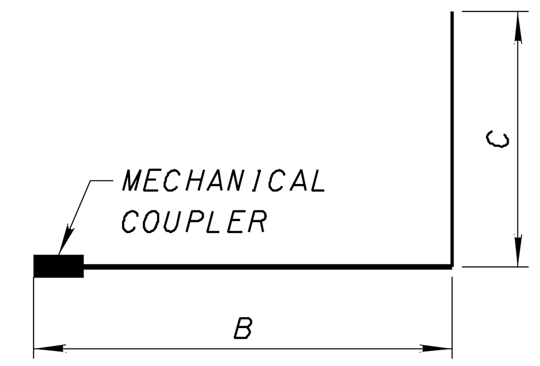

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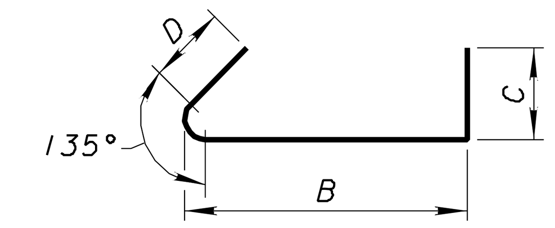
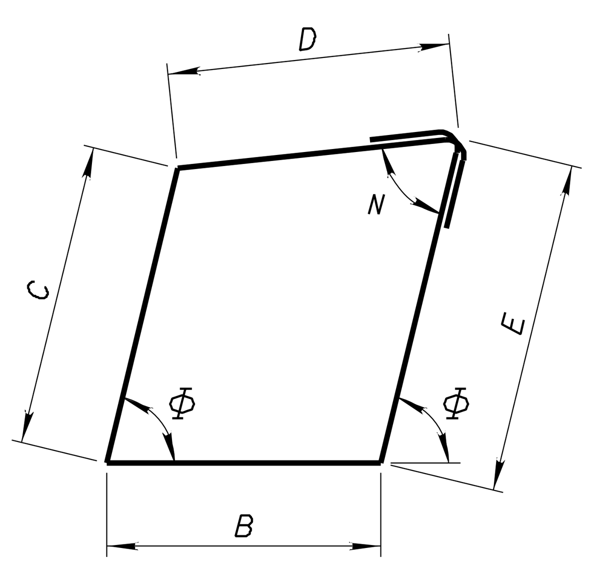
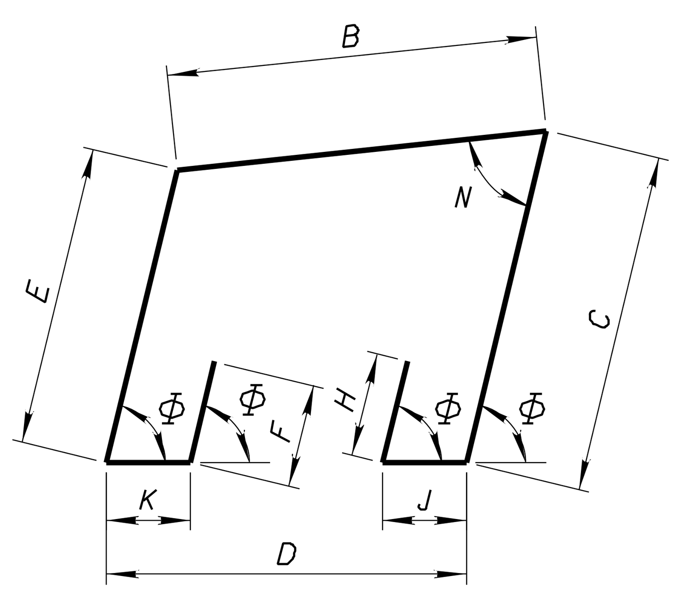


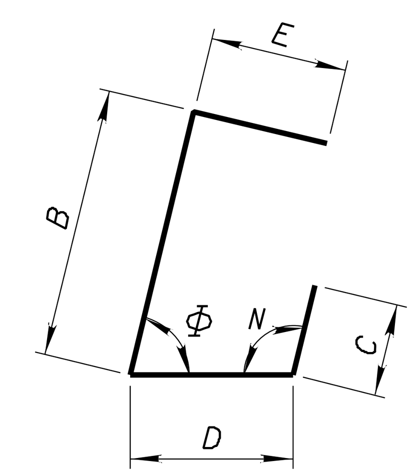
TYPE 46



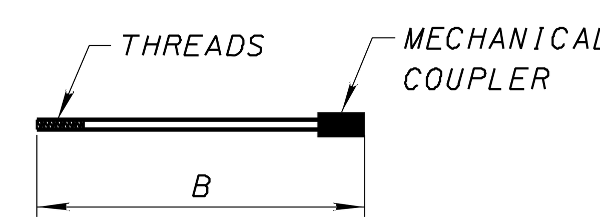
TYPE 47



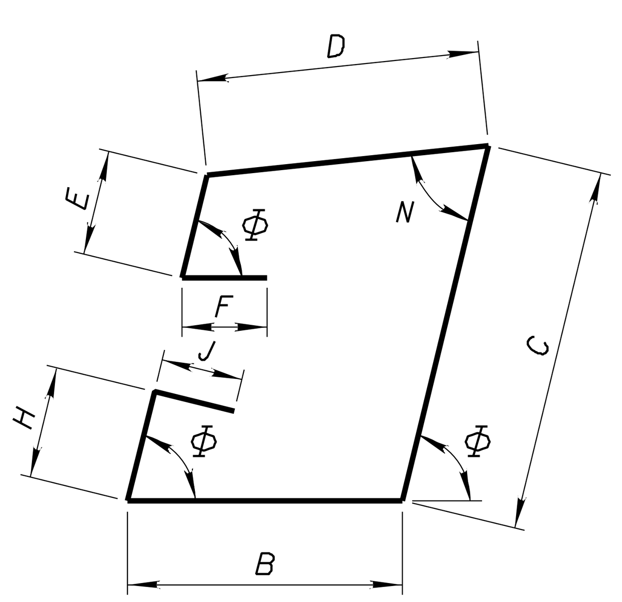
TYPE 48



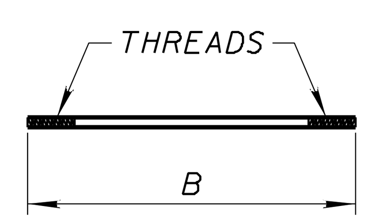
TYPE 49



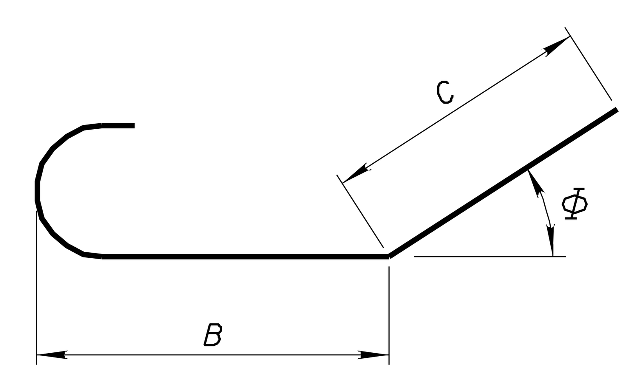
TYPE 50



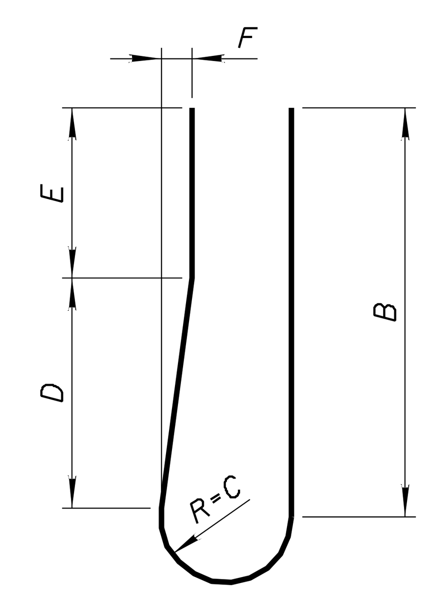
TYPE 51



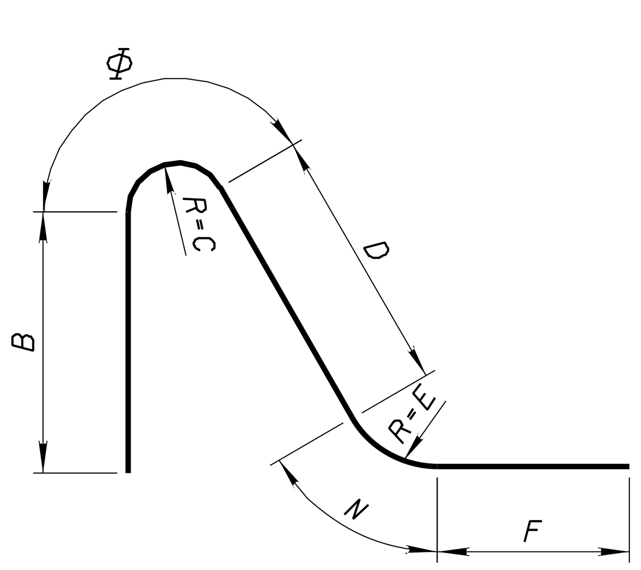
TYPE 52



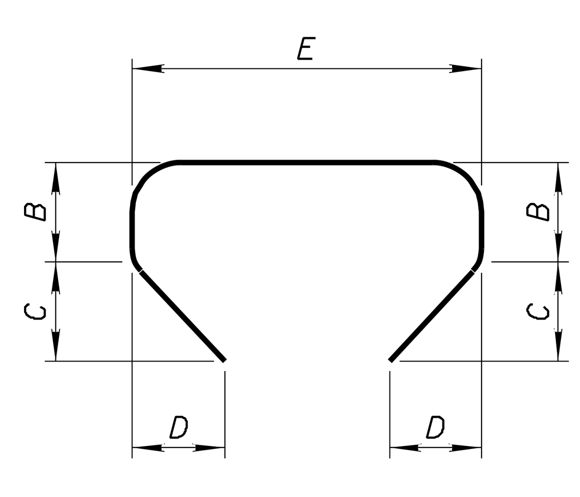
TYPE 53



TYPE 54



TYPE 55



TYPE 56

NOTES

1. FOR BAR DIMENSIONS SEE REINFORCING BAR LIST SHEETS.
2. ALL REINFORCING STEEL SHALL BE EPOXY COATED.
3. ALL DIMENSIONS ARE OUT TO OUT UNLESS OTHERWISE INDICATED.
4. STANDARD BENDS ARE TO BE PROVIDED, EXCEPT WHERE NOTED.
5. REINFORCING STEEL IS INCLUDED WITH THE APPROPRIATE CONCRETE ITEM FOR PAYMENT.

6. MECHANICAL CONNECTORS:

ACTUAL BAR LENGTHS MAY VARY DEPENDING ON THE TYPE OF MECHANICAL CONNECTOR USED. AN APPROVED TYPE OF MECHANICAL CONNECTOR FOR REINFORCING BARS SHALL BE PROVIDED. INSTALLATION OF CONNECTORS SHALL CONFORM WITH MANUFACTURER'S RECOMMENDED PROCEDURES. IF A DOWEL BAR SPLICE TYPE OF CONNECTOR IS FURNISHED, THE MINIMUM DOWEL BAR LENGTH TO BE INCLUDED WITH THE CONNECTOR SHALL BE AS GIVEN BY THE REINFORCING STEEL SPLICE LENGTH DIMENSION SPECIFIED IN CMS SECTION 509.08.

CONNECTORS AND DOWEL BARS SHALL BE EPOXY COATED. COATING FOR BOTH CONNECTORS AND BARS SHALL CONFORM TO SAME SPECIFICATIONS. COATINGS WHICH HAVE BEEN DAMAGED OR WHICH OTHERWISE DO NOT MEET SPECIFICATIONS WITH RESPECT TO COLOR, CONTINUITY, AND UNIFORMITY MAY BE REPAIRED AS DIRECTED BY THE ENGINEER OR THEY MAY BE REPLACED BY MATERIAL WHICH MEET THE SPECIFICATIONS.

CONNECTORS AND DOWEL BAR EXTRUSIONS SHALL CONFORM WITH ITEM 509 AND SHALL BE INCLUDED IN THE BID PRICE FOR THE APPROPRIATE CONCRETE ITEM.

7. SPIRAL REINFORCING BARS:

THE LENGTH SHOWN IN THE STEEL LIST FOR SPIRAL BARS IS THE LENGTH OF THE SPIRAL ALONG THE AXIS OF THE SPIRAL. ONE AND ONE-HALF CLOSED-COIL TURNS SHALL BE PROVIDED AT ENDS OF EACH SPIRAL UNIT. FOUR STEEL CHANNELS, TEE OR ANGLE SPACERS, WEIGHING APPROXIMATELY 0.8 POUND PER FOOT OF SPACER, SHALL BE PROVIDED FOR EACH SPIRAL UNIT. THEY SHALL BE EQUALLY SPACED ALONG THE PERIPHERY OF THE COILS.

SPACERS:

CONCRETE SPACERS OR OTHER APPROVED NON-CORROSIVE SPACING DEVICES SHALL BE USED AT SUFFICIENT INTERVALS (NEAR BOTTOM AND AT INTERVALS NOT EXCEEDING 10 FEET) TO INSURE CONCENTRIC SPACING FOR THE ENTIRE CAGE LENGTH. SPACERS SHALL BE CONSTRUCTED OF APPROVED MATERIAL EQUAL IN QUALITY AND DURABILITY TO THE CONCRETE SPECIFIED. THE SPACERS SHALL HAVE ADEQUATE DIMENSIONS TO ENSURE A MINIMUM COVER BETWEEN THE OUTSIDE OF THE REINFORCING CAGE AND THE DESIGN DIMENSION PER GENERAL NOTES.

8. ABBREVIATION USED IN BAR LISTS:

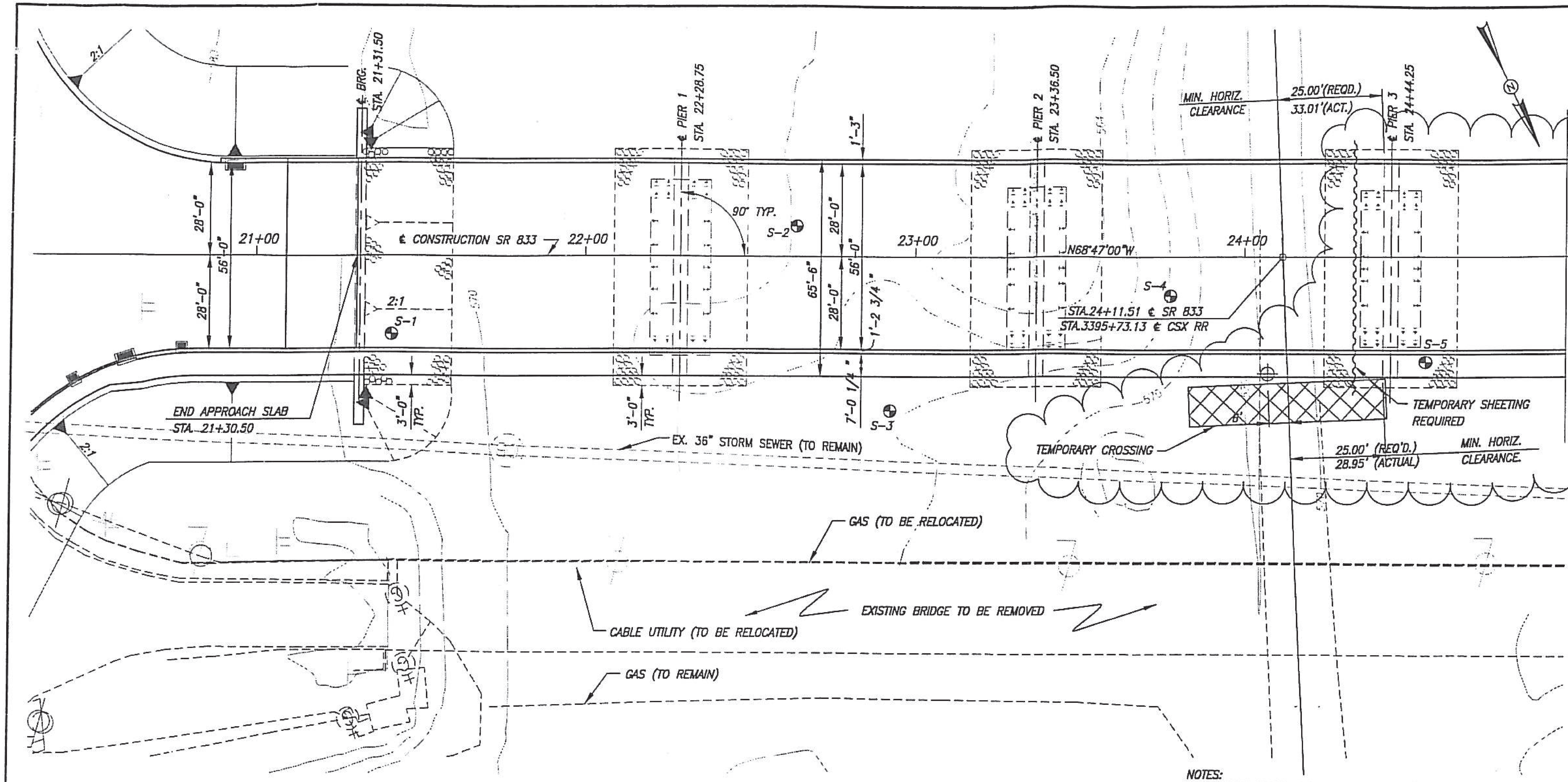
PX = BAR DESIGNATION
SZ = BAR SIZE
ID = BAR IDENTIFICATION NUMBER

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
DLJ	KAC	SLS	8-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
PS		5300916 OH 10385 WV	

STANDARD BAR BENDING DETAILS (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70



PLAN

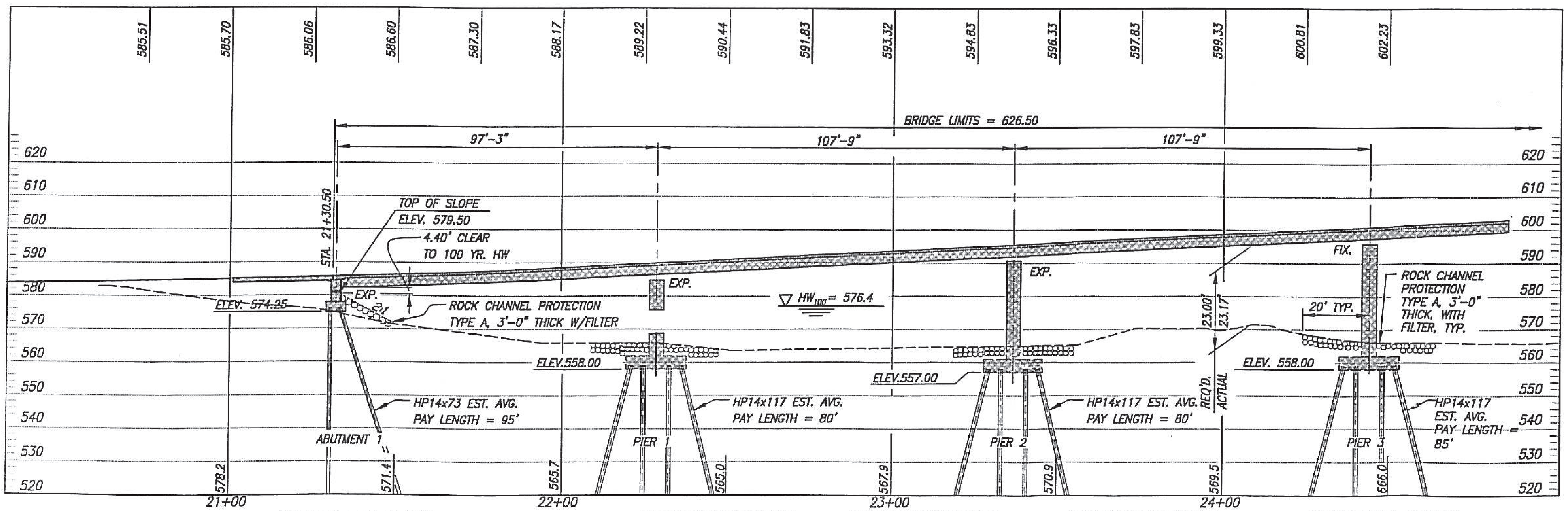
NOTE:

TEMPORARY SHEETING IS REQUIRED ADJACENT TO PIER 3. REFER TO NOTE 23.6 ON SHEET 6/243 FOR ADDITIONAL INFORMATION.

FOR BENCHMARK, SEE SHEET 47/243.
FOR HYDRAULIC DATA, SEE SHEET 47/243.
FOR HORIZONTAL & VERTICAL CURVE DATA, SEE SHEET 3/243.
FOR TRAFFIC DATA, SEE SHEET 3/243.

BORING LOCATION

POINT OF MINIMUM VERTICAL CLEARANCE



APPROXIMATE TOP OF ROCK BORING S-1, ELEV. 481.0

APPROXIMATE TOP OF ROCK BORING S-2, ELEV. 483.1

APPROXIMATE TOP OF ROCK BORING S-3, ELEV. 480.2

APPROXIMATE TOP OF ROCK BORING S-4, ELEV. 477.9

APPROXIMATE TOP OF ROCK BORING S-5, ELEV. 478.3

PROFILE

EXISTING APPROACH STRUCTURE

TYPE: SIMPLE SPANS CONSISTING OF BUILT-UP STEEL THROUGH GIRDERS OR ROLLED STEEL BEAMS, WITH CONCRETE FILLED STEEL GRID DECK.
SPANS: 1 @ 74'-3", 4 @ 72,-6", & 7 @ 34'-0" (C/C BEARINGS)
ROADWAY WIDTH: 20'-0" CURB TO CURB
DESIGN LOADING: UNKNOWN
SKEW ANGLE: 0°
WEARING SURFACE: RUBBERIZED ASPHALT
APPROACH SLABS: NONE
DATE BUILT:
STRUCTURE FILE NUMBER: 5300908

PROPOSED APPROACH STRUCTURE

TYPE: PRESTRESSED CONCRETE SPREAD BOX BEAMS WITH COMPOSITE CONCRETE DECK, SPILL THRU ABUTMENT AND CONCRETE WALL TYPE PIERS.
SPANS: 97'-3" & 4 @ 107'-9" & 97'-3" @ ℄ PIER)
ROADWAY WIDTH: 56'-0" TOE/TOE PARAPETS
SIDEWALK WIDTH: 6'-0" RIGHT SIDE
LIVE LOADING: HS25 & THE ALTERNATE MILITARY
SKEW ANGLE: 0°
WEARING SURFACE: MONOLITHIC CONCRETE
APPROACH SLABS: 20'-0" LONG
ALIGNMENT: TANGENT
CROWN: .02
LATITUDE: N 39° 00' 45"
LONGITUDE: W 82° 02' 30"

NUMBER	REVISION	DATE	BY
1	ADDED TEMPORARY CROSSING, SHEETING, NOTES	7/01/03	MRS

DESIGNED BY: BALKE ENGINEERS 1848 Summit Road Cincinnati, Ohio 45237

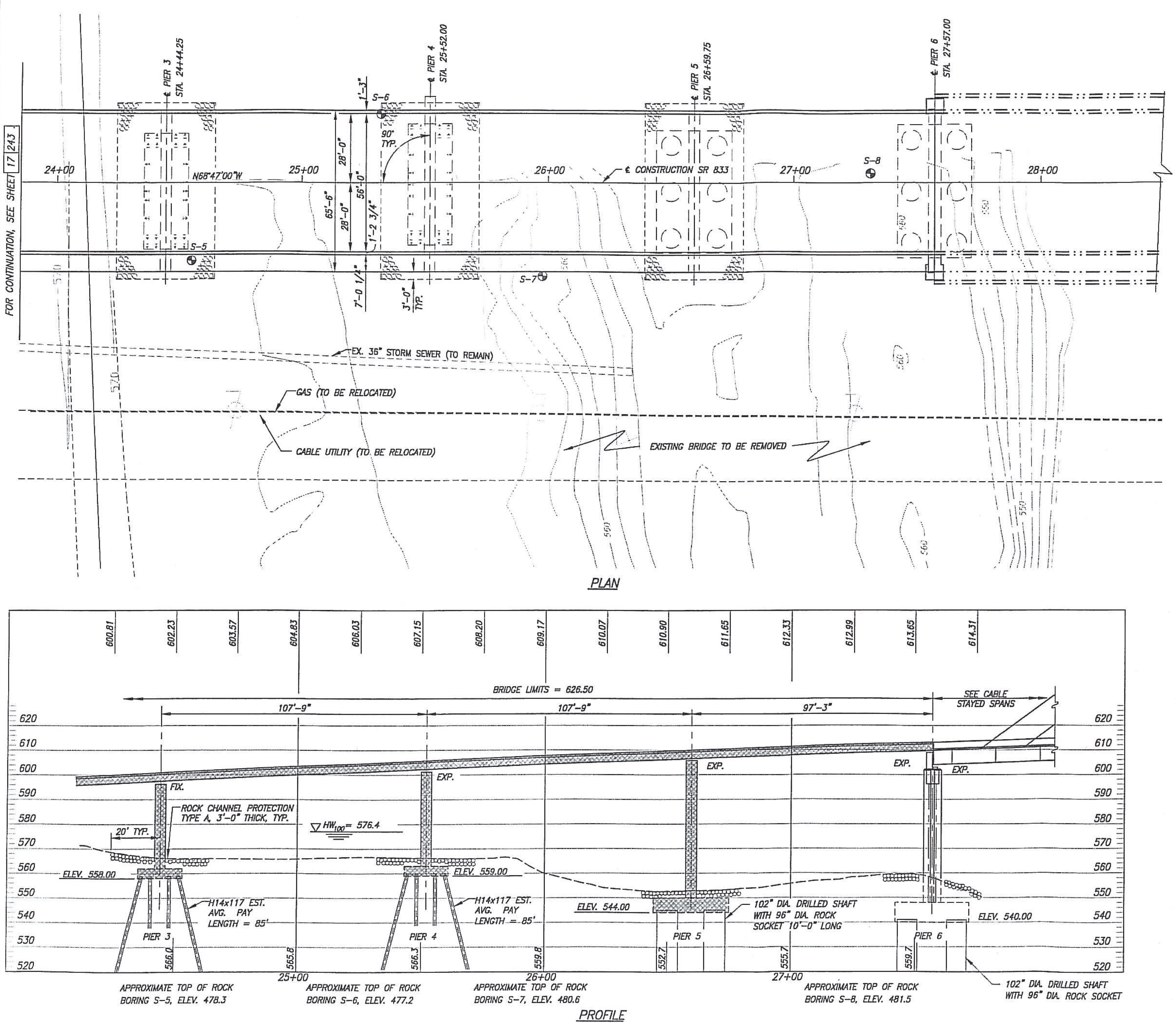
DESIGNED	DRAWN	REVIEWED	DATE
KMG	SWB	-	-
CHECKED	REVISED	STRUCTURE FILE NUMBER	
LS	-	5300916(OH) 10385(WV)	

MASON/MEIGS COUNTIES STA 21+30.50 STA 40+45.00

SITE PLAN WEST VIRGINIA APPROACH (1)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER THE OHIO RIVER

MEG-33-15.70

Time: 13:40:59 Date: 7/22/2003 Scale: 1=240(FS) Drawing File: ...REVISED FILES\SR-34R.dwg (SPierce)



FOR BENCHMARK, SEE SHEET 47 243.

FOR HYDRAULIC DATA, SEE SHEET 47 243.

FOR HORIZONTAL & VERTICAL CURVE DATA, SEE SHEET 3 243.

FOR TRAFFIC DATA, SEE SHEET 3 243.

NOTES:
EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

⊕ BORING LOCATION

DESIGNED BY: BALKE ENGINEERS
1848 Summit Road
Cincinnati, Ohio 45237

DESIGNED	DRAWN	REVIEWED	DATE
KMG	SWB	-	-
CHECKED	REVISED	STRUCTURE FILE NUMBER	
LS	-	5300916(OH) 10385(WV)	

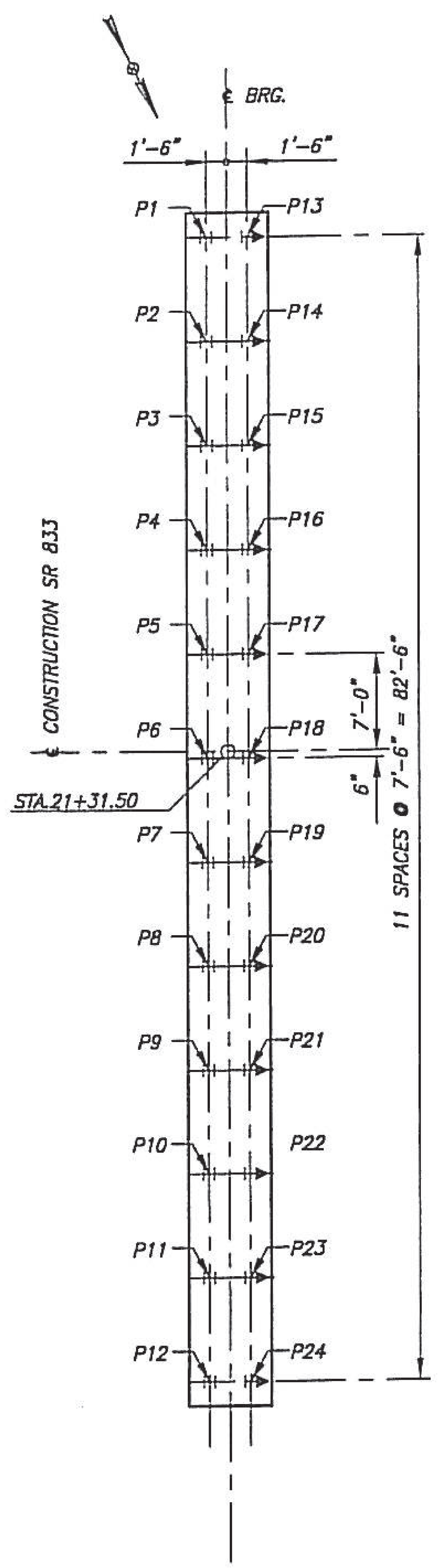
MASON/MEIGS COUNTIES
STA 21+30.50
STA 40+45.00

SITE PLAN WEST VIRGINIA APPROACH (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER THE OHIO RIVER

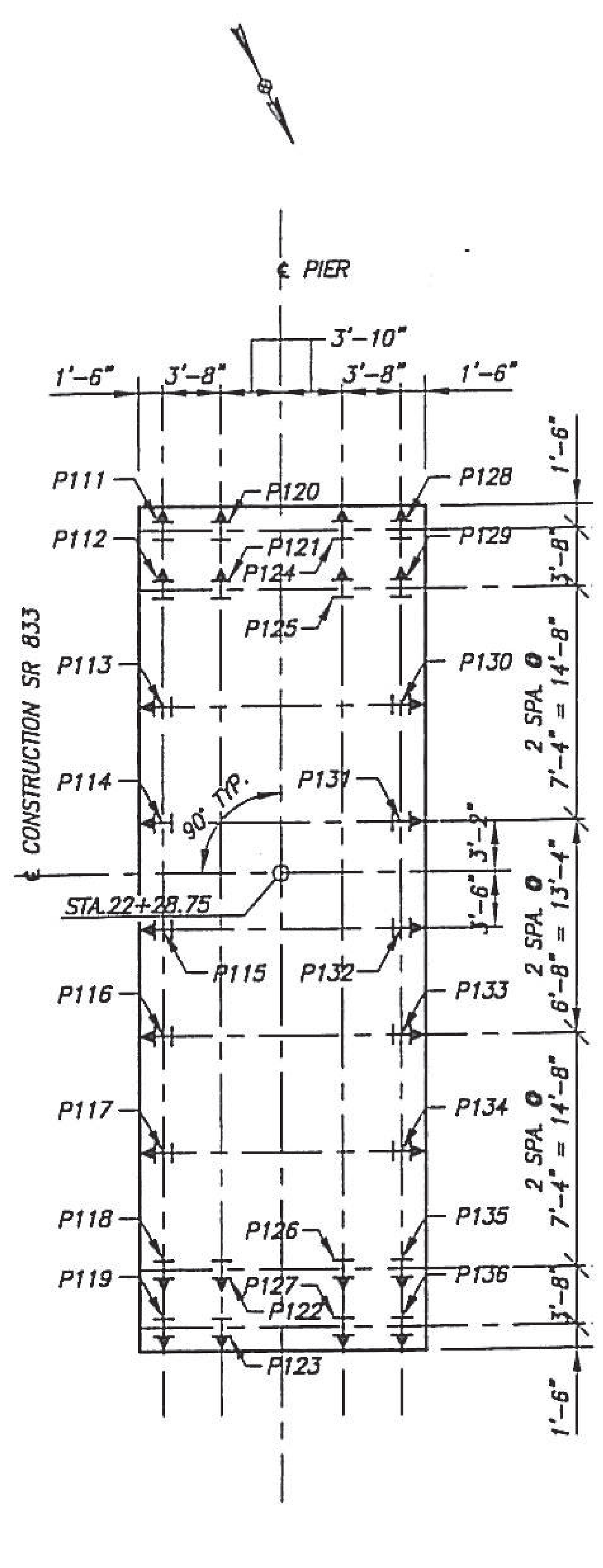
MEG-33-15.70

17/243

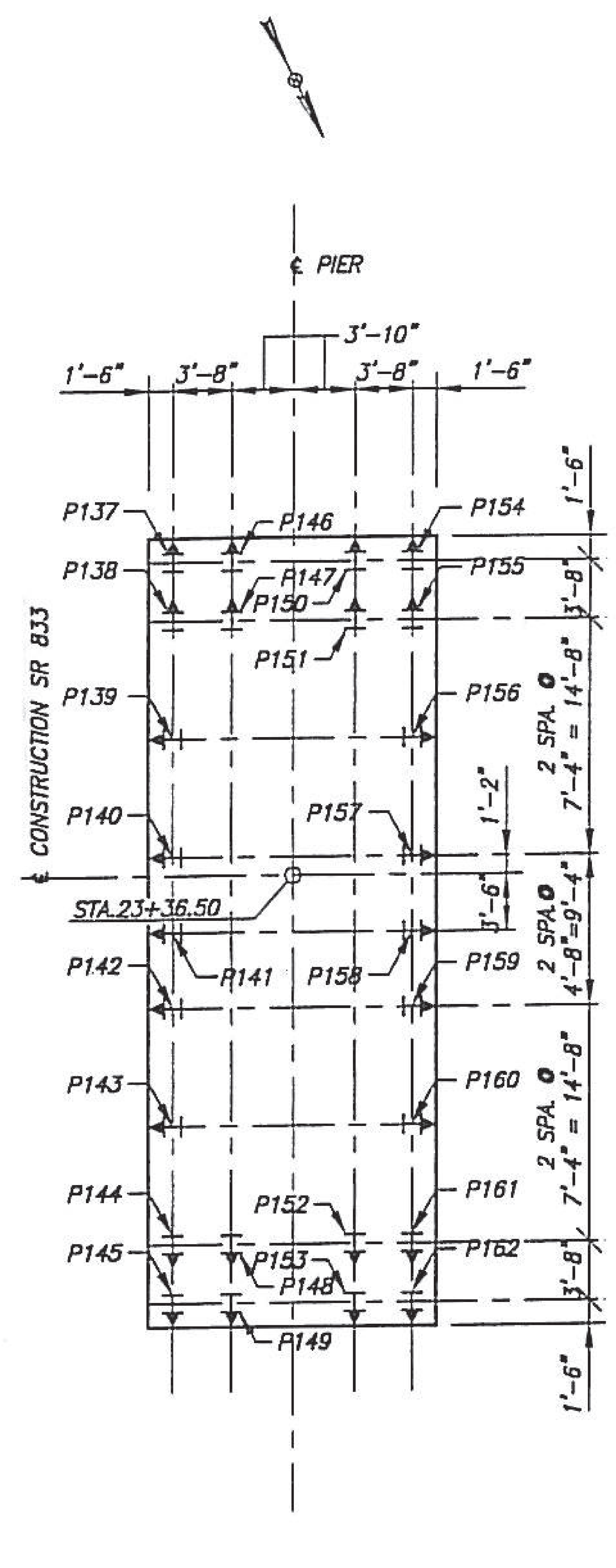
347/582



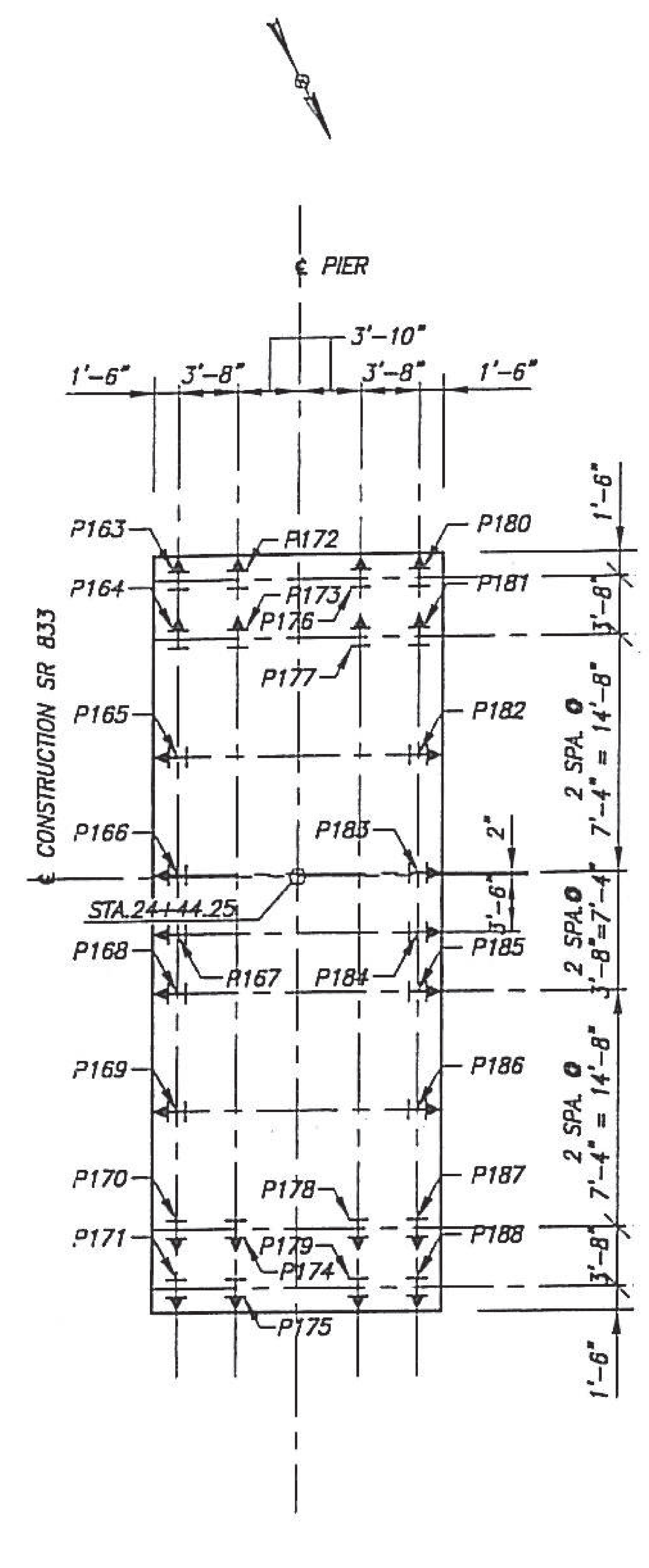
ABUTMENT 1



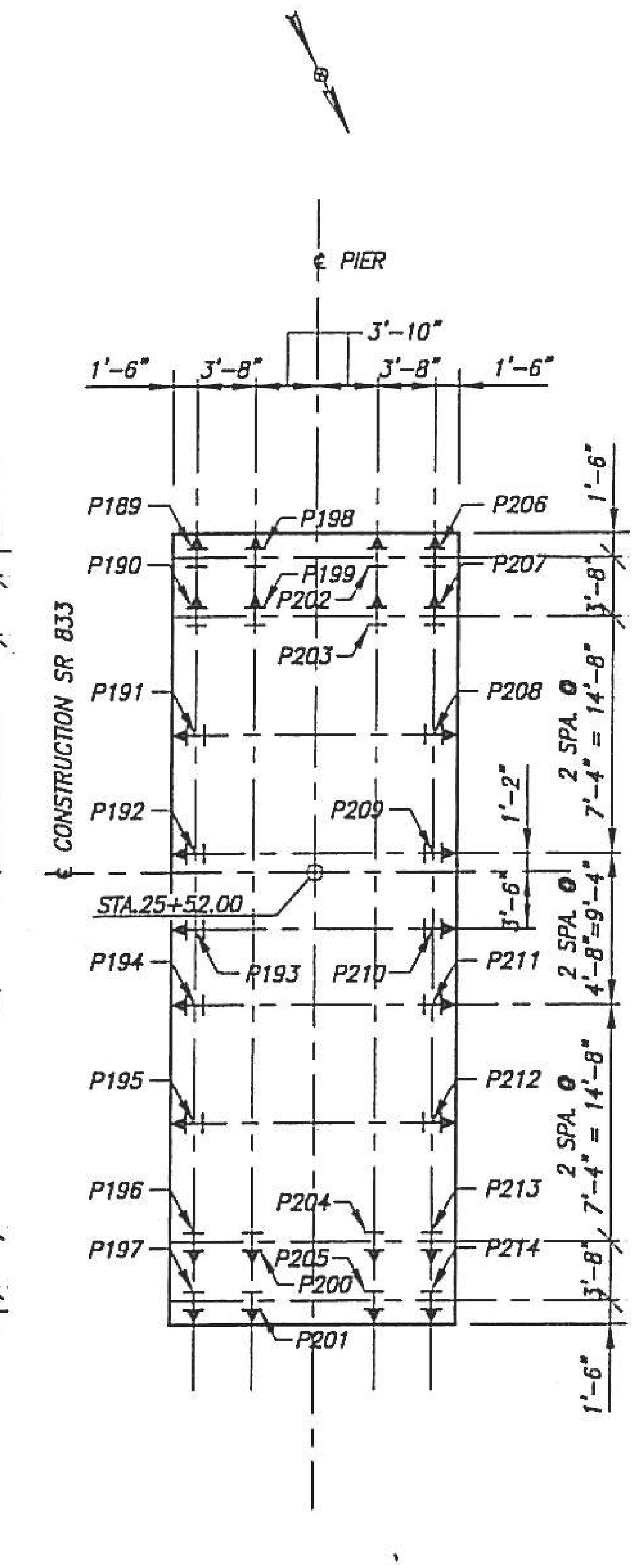
PIER 1



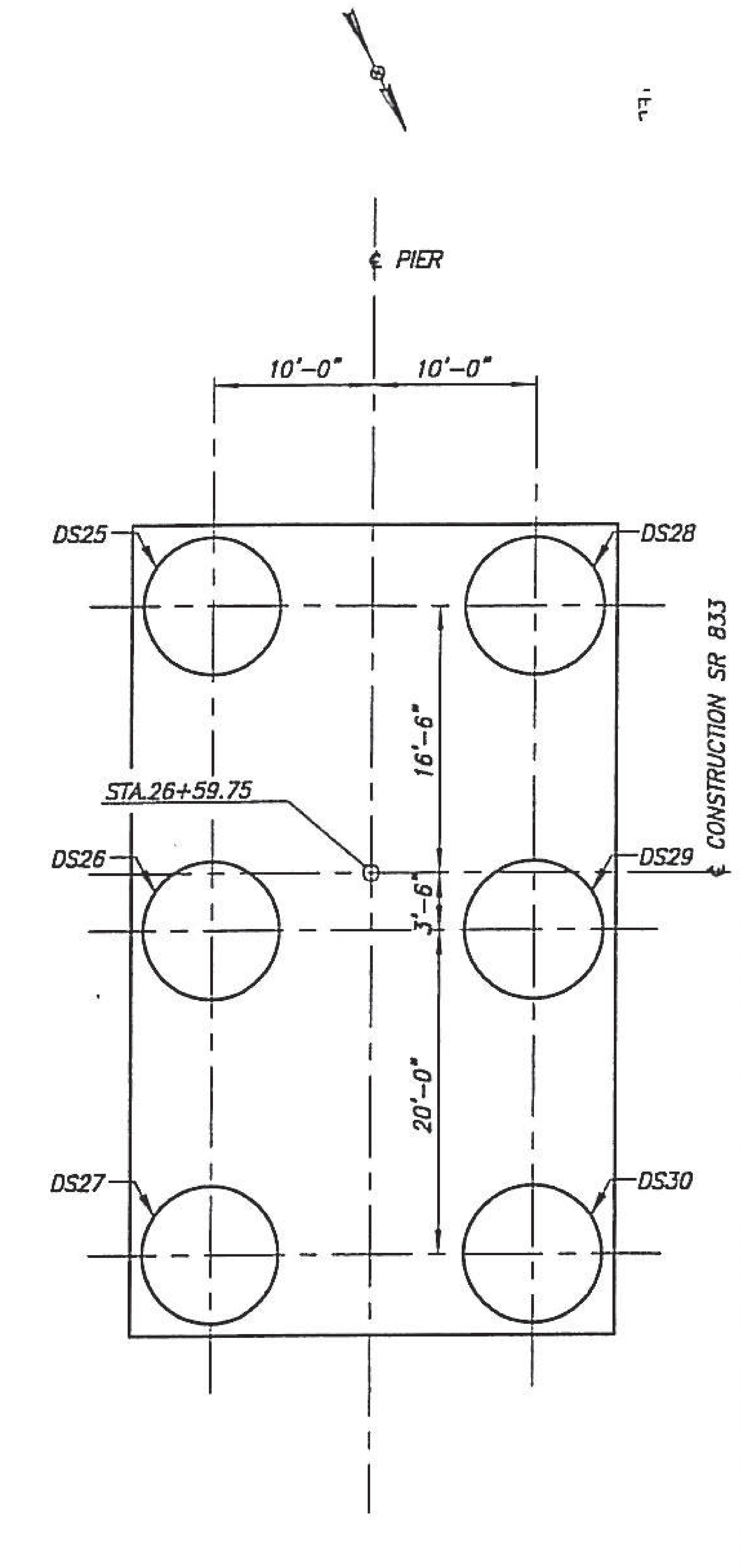
PIER 2



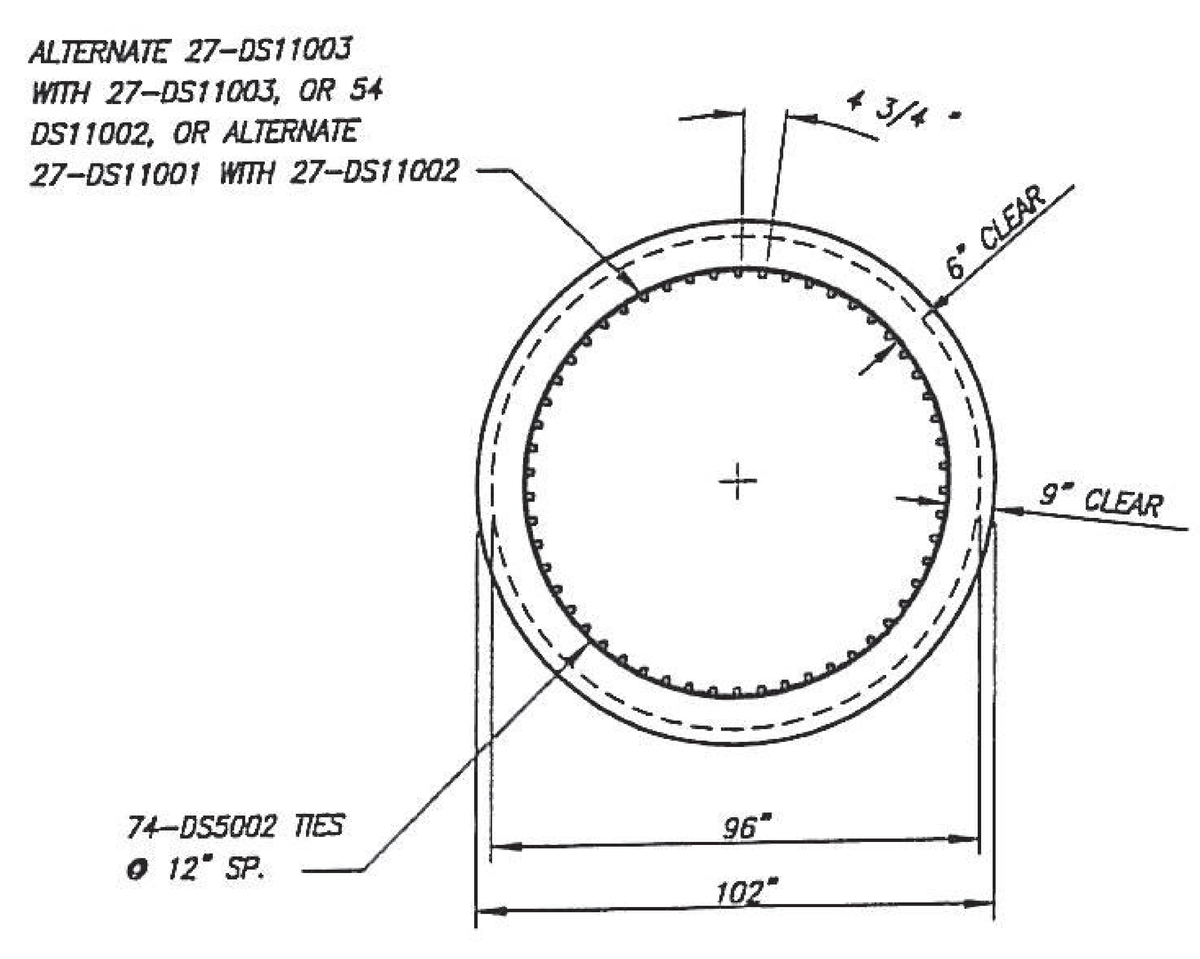
PIER 3



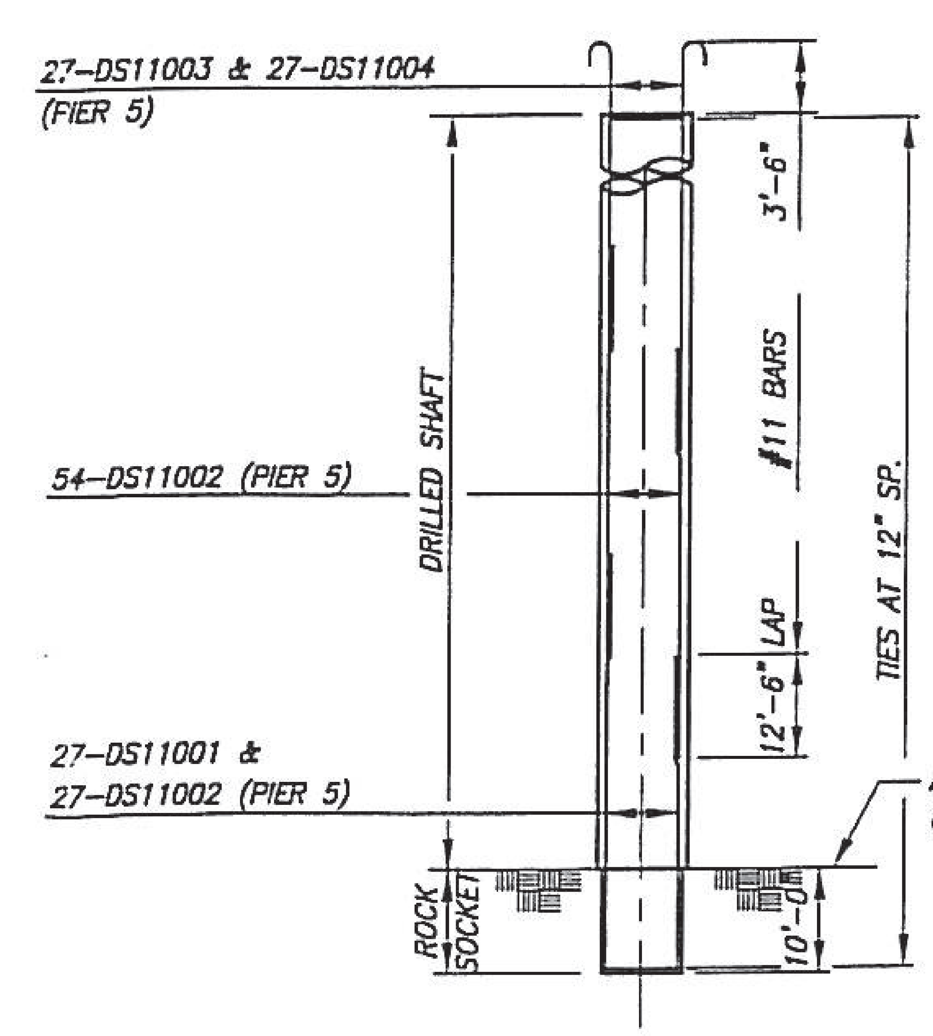
PIER 4



PIER 5



102" DIA. DRILLED SHAFT



DRILLED SHAFT ELEVATION

PIER	APPROX. TOP OF ROCK EL.
1	483.0
2	479.0
3	478.0
4	478.0
5	481.0

PILES SHALL BE DRIVEN TO REFUSAL ON BEDROCK. REFUSAL SHALL BE CONSIDERED AS OBTAINED BY PENETRATING SOFT BEDROCK FOR SEVERAL INCHES WITH A MINIMUM RESISTANCE OF 20 BLOWS PER INCH OR REFUSAL SHALL BE CONSIDERED AS OBTAINED AFTER THE PILE HAS THEN RECEIVED AT LEAST 20 BLOWS. THE CONTRACTOR IS RESPONSIBLE FOR SELECTING THE HAMMER SIZE TO ACHIEVE THE REQUIRED DEPTH TO BEDROCK AND REFUSAL.

THE ULTIMATE BEARING VALUE IS 100 TONS PER PILE FOR ABUTMENT PILES. THE ULTIMATE BEARING VALUE IS 155 TONS PER PILE FOR THE PIERS 1 THRU 4 PILES.

NOTES:

"ABUTMENT 1" ARE HP14X73 PILES.

"PIERS 1 THRU 4" ARE HP14X117 PILES.

DRILLED SHAFTS DS1 THRU DS24 AT PIERS 1 THRU 4 HAVE BEEN REPLACED WITH STEEL HP14x117 PILES.

DRILLED SHAFTS AT PIER 5 ARE 102" DIA. WITH 96" DIA. ROCK SOCKETS 10'-0" LONG

P12 — DESIGNATES PILE NUMBER AND LOCATION

DENOTES PILE BATTERED 1:3 IN DIRECTION OF ARROW AT ABUTMENT 1.
DENOTES PILE BATTERED 1:4 IN DIRECTION OF ARROW AT PIERS 1 THRU 4.

DS25 — DESIGNATES DRILLED SHAFT NUMBER AND LOCATION

TIES MAY BE REPLACED WITH #5 SPIRALS AT 4 1/2 " PITCH.

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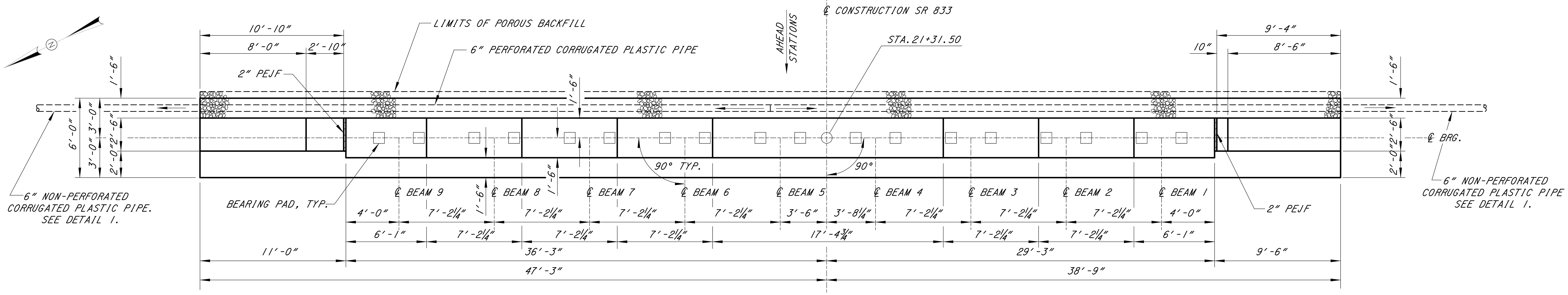
LS	-	5300916(OH) 10385(WV)	

FOUNDATION LAYOUT WEST VIRGINIA APPROACH
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER THE OHIO RIVER

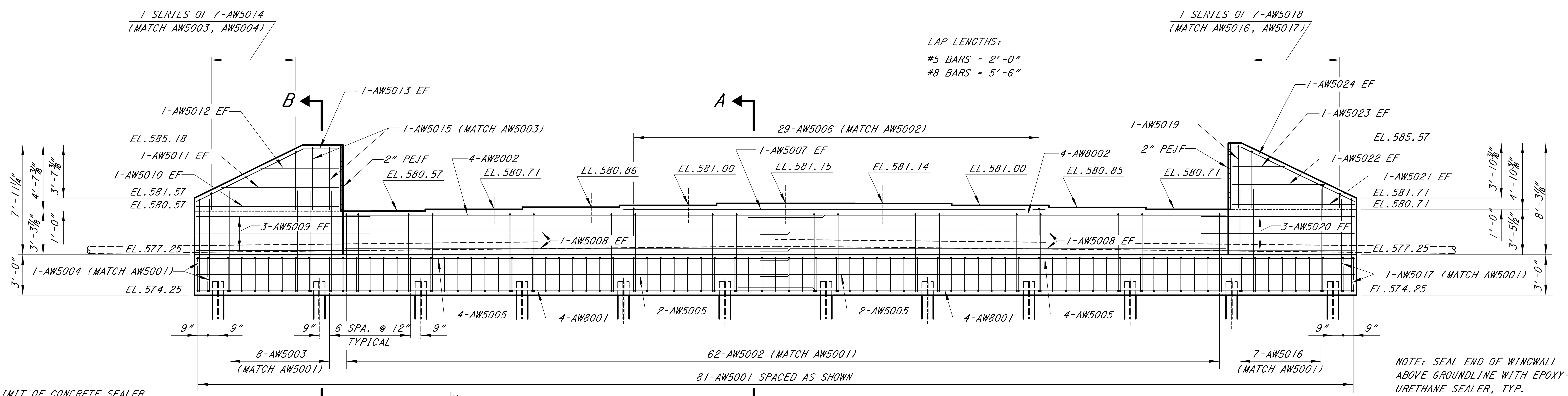
MEG-33-15.70

18/243

348/582

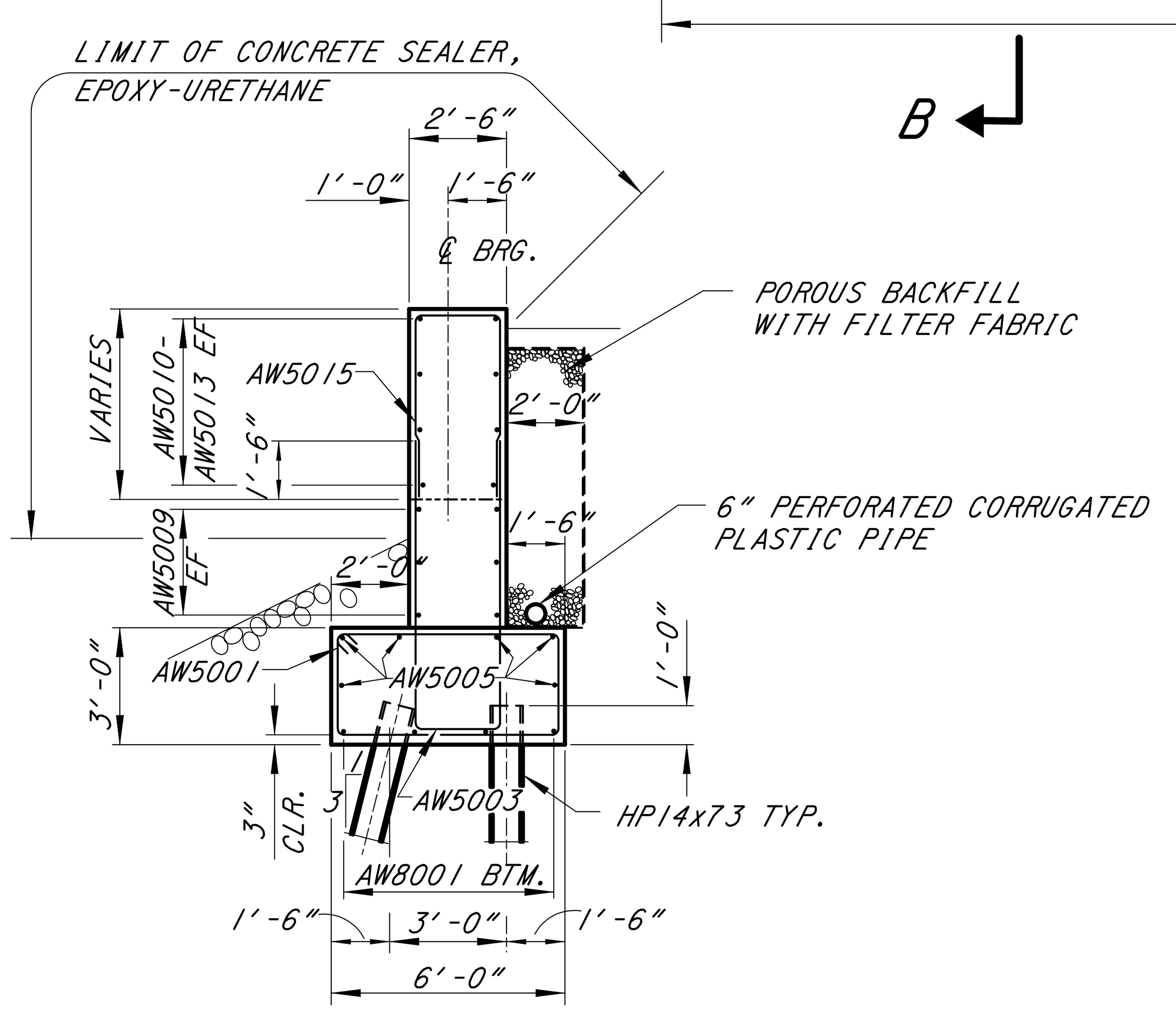


PLAN

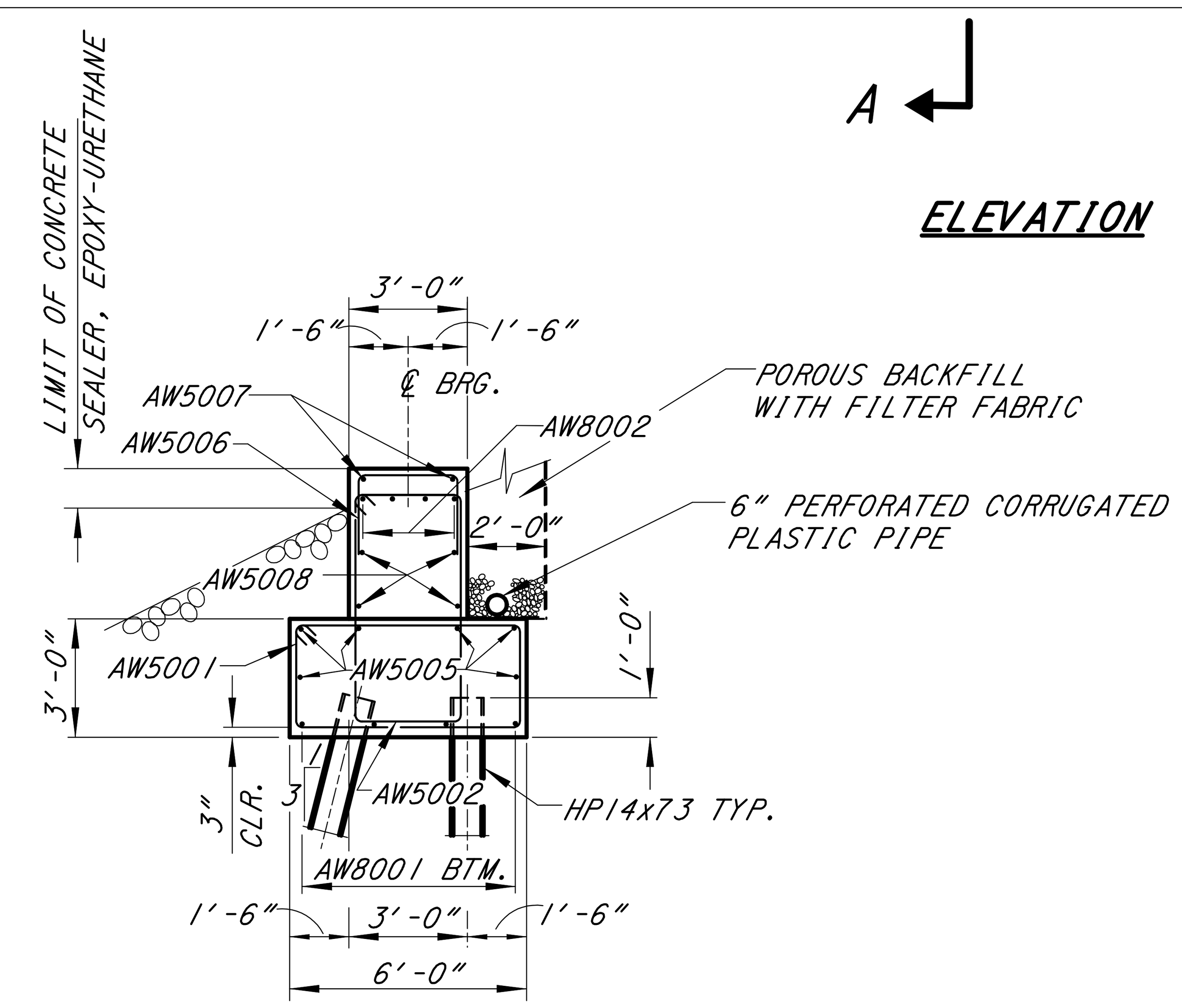


NOTE: SEAL END OF WINGWALL ABOVE GROUNDLINE WITH EPOXY-URETHANE SEALER, TYP.

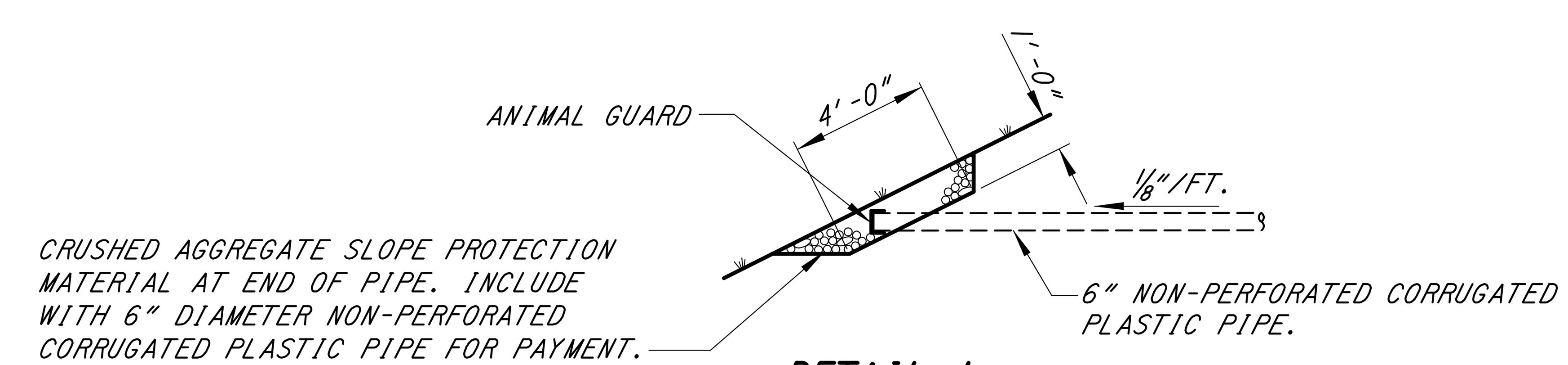
ELEVATION



SECTION B-B



SECTION A-A



DETAIL 1

NOTES:

1. POROUS BACKFILL WITH FILTER FABRIC, 2'-0" THICK, SHALL EXTEND UP TO THE PLANE OF THE SUBGRADE, TO 1'-0" BELOW THE EMBANKMENT SURFACE, AND LATERALLY TO THE ENDS OF THE WINGWALLS.
2. EF = EACH FACE
   NF = NEAR FACE
   FF = FAR FACE
   PEJF = PREFORMED EXPANSION JOINT FILLER
3. FOR ADDITIONAL DETAILS, SEE STD. DWG. SICD-1-96.
4. FOR DIAPHRAGM DETAILS, SEE SHEET 41 / 243.

Filename: mg833ra1.dgn

DESIGN AGENCY
BALKE ENGINEERS
1848 Summit Road
Cincinnati, Ohio 45237

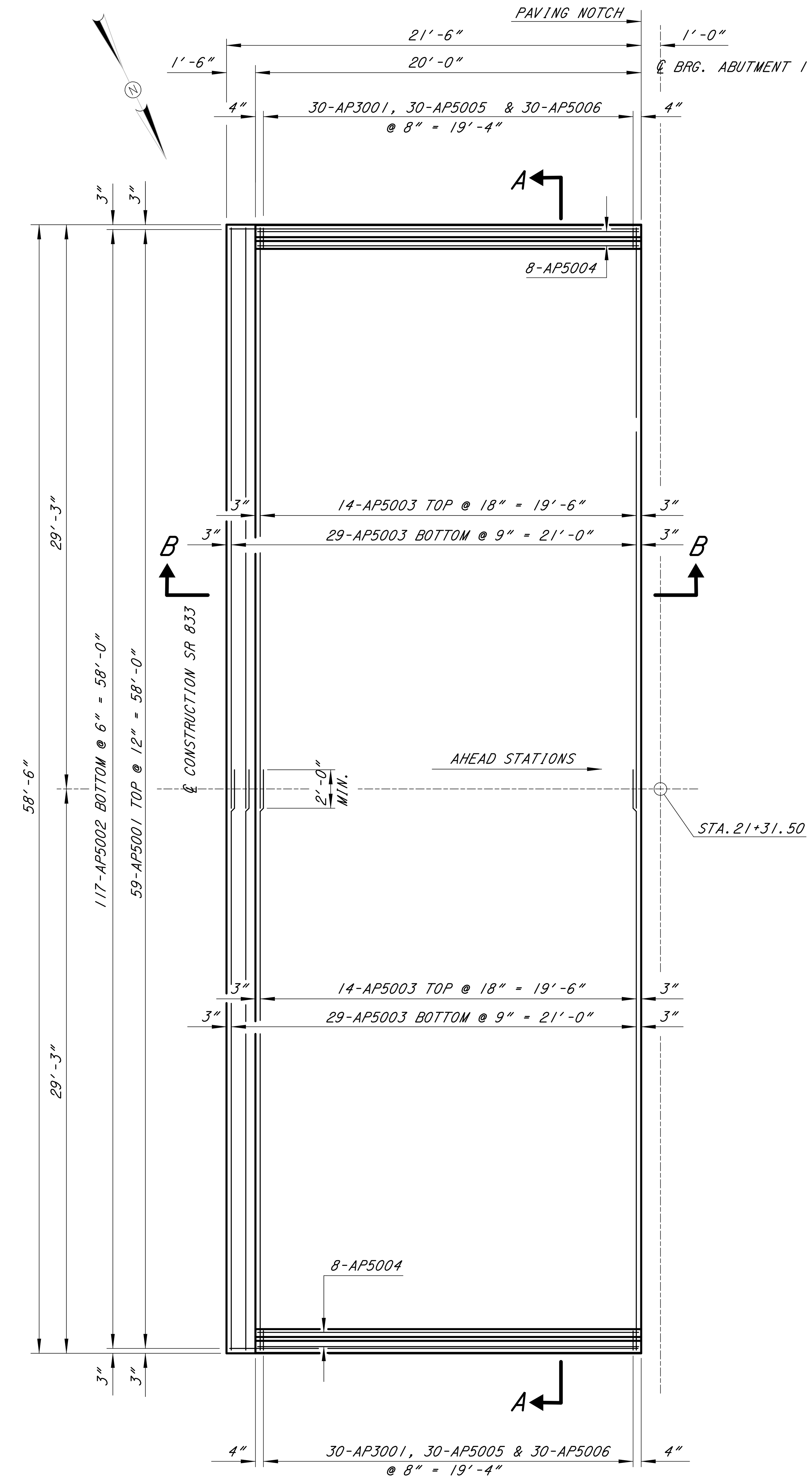
DESIGNED	DRAWN	REVIEWED	DATE
MRS	ALH	CRS	06/02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
FKL	—	5300916(OH)/10385(WV)	

ABUTMENT 1 DETAILS WEST VIRGINIA APPROACH

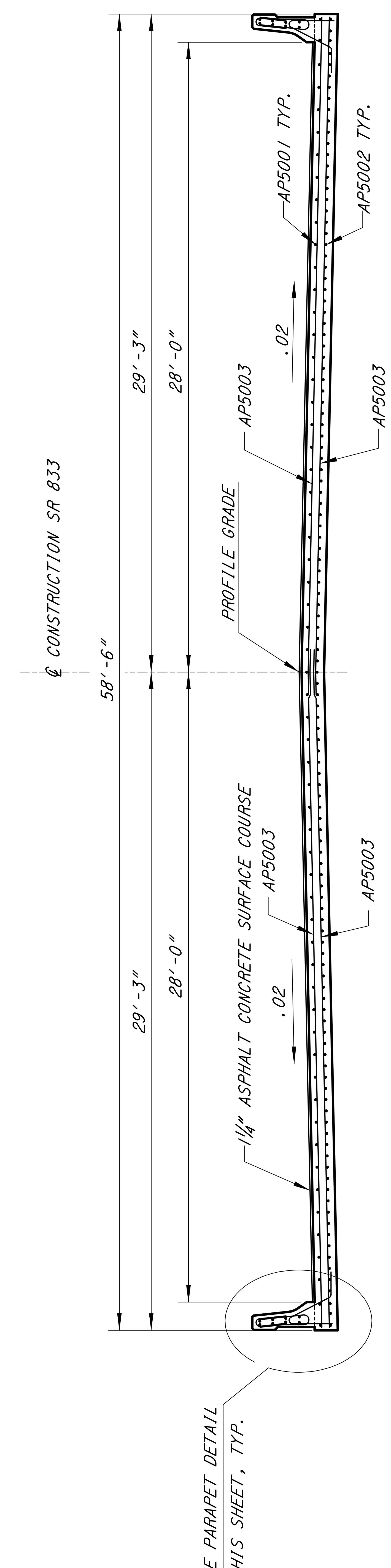
BRIDGE NO. MEG-33-1570

POMEROY MASON BRIDGE OVER THE OHIO RIVER

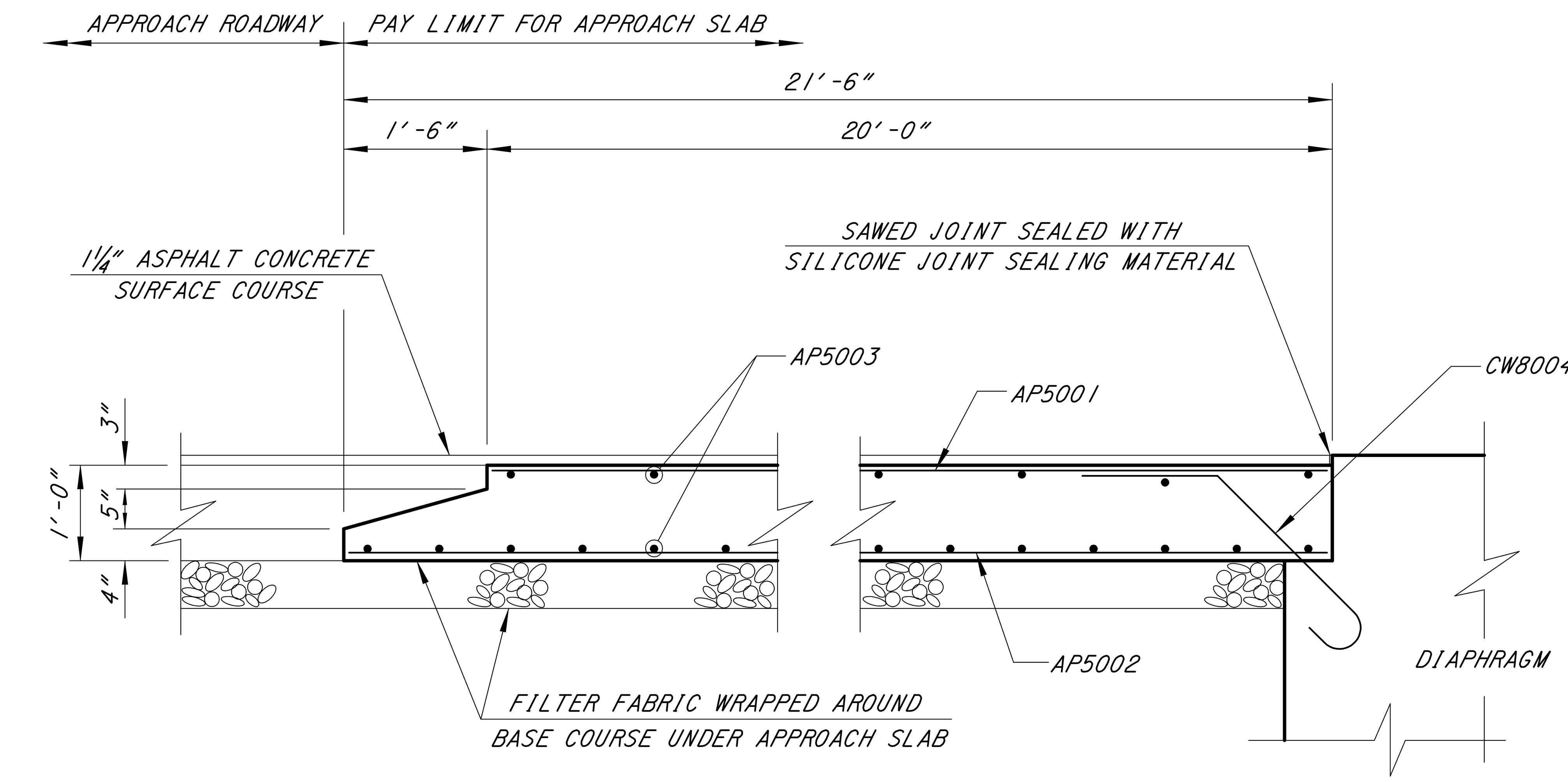
MEG-33-15.70



PLAN



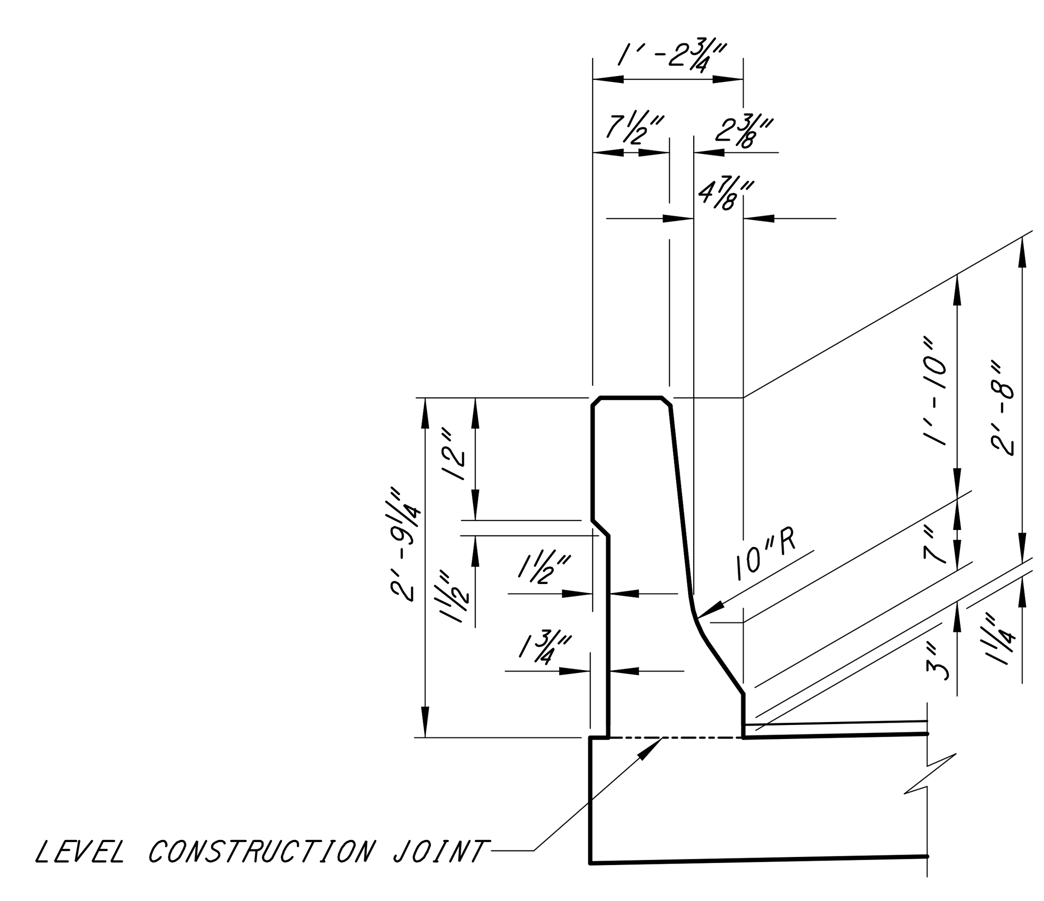
SECTION A-A



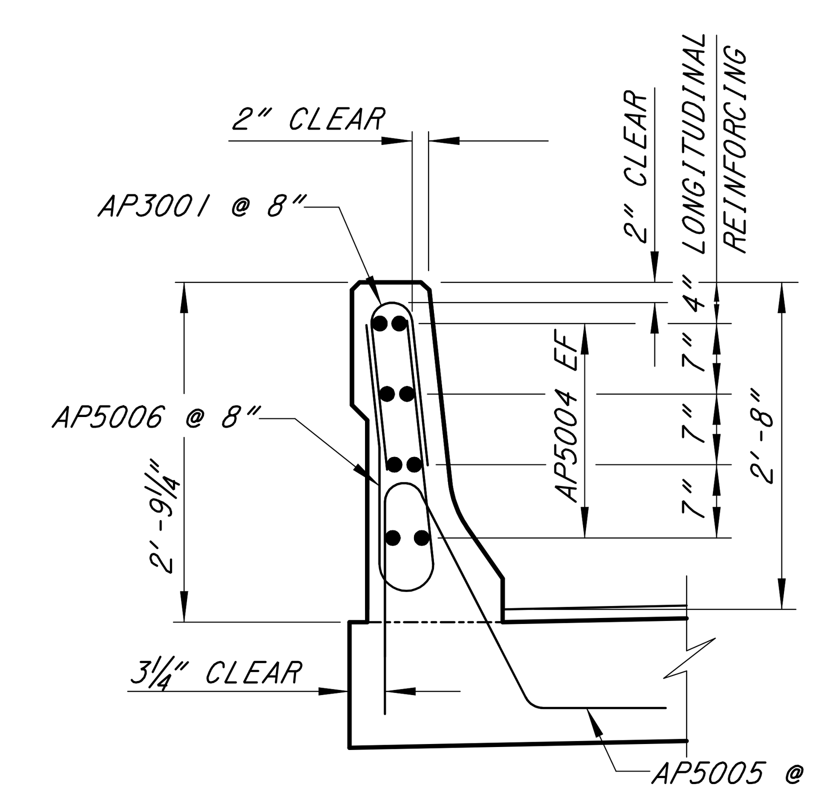
SECTION B-B

ESTIMATE OF QUANTITIES: APPROACH SLAB			
ITEM NO.	ITEM	QUANTITY	UNIT
842	CLASS S CONCRETE	140	S.Y.
448	1¼" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, FIBER B	134	S.Y.
304	6" AGGREGATE BASE	24	C.Y.
407	TACK COAT	134	S.Y.

NOTE:
QUANTITY FOR ITEM SPECIAL, 12" PORTLAND CEMENT CONCRETE APPROACH SLAB (WVDOH), SY, IS LISTED UNDER THE PAVEMENT CALCULATIONS IN THE ROADWAY PLANS.



PARAPET DETAIL
TYPICAL



PARAPET DETAIL
TYPICAL

DESIGN AGENCY
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1848 Summit Road
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MPS	WJH	CPS	06/02
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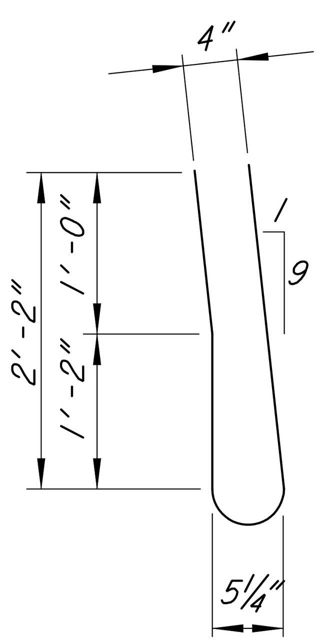
APPROACH SLAB DETAILS WEST VIRGINIA APPROACH
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER THE OHIO RIVER

MEG-33-15.70

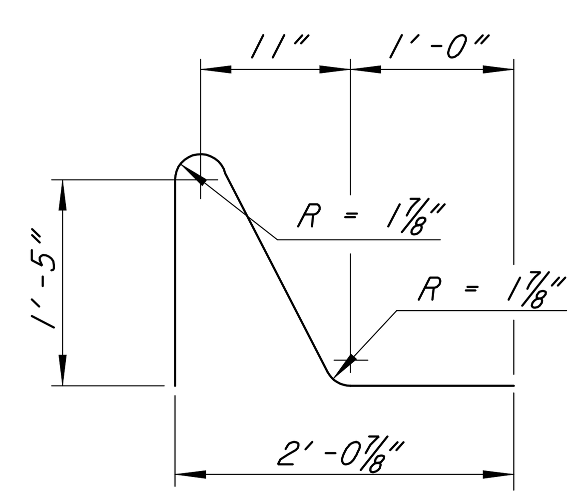
BILL OF REINFORCEMENT			
MARK	NUMBER	LENGTH	TYPE
AP5001	59	19'-8"	STR.
AP5002	117	21'-2"	STR.
AP5003	86	30'-0"	STR.
AP5004	16	19'-8"	STR.
AP5005	60	4'-7"	BENT
AP5006	60	5'-0¼"	BENT
AP3001	60	3'-2¼"	BENT

NOTES

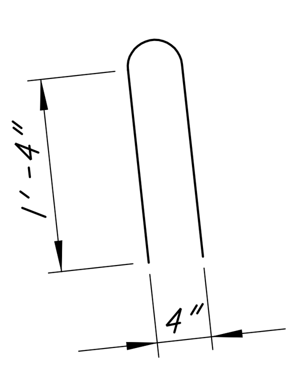
1. THE APPROACH SLAB SHALL BE IN ACCORDANCE WITH SECTION 502 OF THE WEST VIRGINIA STANDARD SPECIFICATIONS EXCEPT AS NOTED.
2. 6" BASE COURSE SHALL BE PROVIDED UNDER THE APPROACH SLAB AND SHALL BE PAID FOR AS ITEM 304 AGGREGATE BASE.
3. THE APPROACH SLAB REINFORCING SHALL BE IN ACCORDANCE WITH ODOT CMS 509, GRADE 60.
4. ALL PREFORMED EXPANSION JOINT FILLER FOR VERTICAL JOINTS SHALL CONFORM TO 516 OF THE ODOT CMS.
5. LOW MODULUS SILICONE JOINT SEALANT SHALL CONFORM TO ARTICLE 708.4 OF THE WVDOH STANDARD SPECIFICATIONS.
6. CURING OF THE APPROACH SLAB TO BE BY BURLAP AND WATER IN ACCORDANCE WITH THE ODOT STANDARD SPECIFICATIONS.
7. ALL REINFORCING BARS IN THE APPROACH SLAB AND BARRIERS SHALL BE EPOXY COATED.
8. THE APPROACH SLAB SHALL BE TACK COATED WITH ITEM 407, TACK COAT AND TOPPED WITH ITEM 826, 1¼" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, FIBER B.
9. ALL CONCRETE IN APPROACH SLABS AND BARRIERS SHALL BE CLASS S.
10. CROWN ON THE APPROACH SLAB SHALL CONFORM TO RATE OF CROWN AT THE BRIDGE DECK.
11. THE APPROACH SLAB SHALL BE PAID FOR AS ITEM SPECIAL, 12" PORTLAND CEMENT CONCRETE APPROACH SLAB (WVDOH), WHICH SHALL INCLUDE THE COST OF THE REINFORCING STEEL AND FILTER FABRIC WRAPPED AROUND BASE COURSE. METHOD OF MEASUREMENT AND BASIS OF PAYMENT SHALL BE IN ACCORDANCE WITH SECTION 502.7 AND 502.8 OF THE WVDOH STANDARD SPECIFICATIONS.
12. QUANTITY FOR ITEM SPECIAL, 12" PORTLAND CEMENT CONCRETE APPROACH SLAB (WVDOH), SY, IS LISTED UNDER THE PAVEMENT CALCULATIONS IN THE ROADWAY PLANS.



AP5006



AP5005



AP3001

DESIGN AGENCY
BALKE ENGINEERS
1848 Summit Road
Cincinnati, Ohio 45237

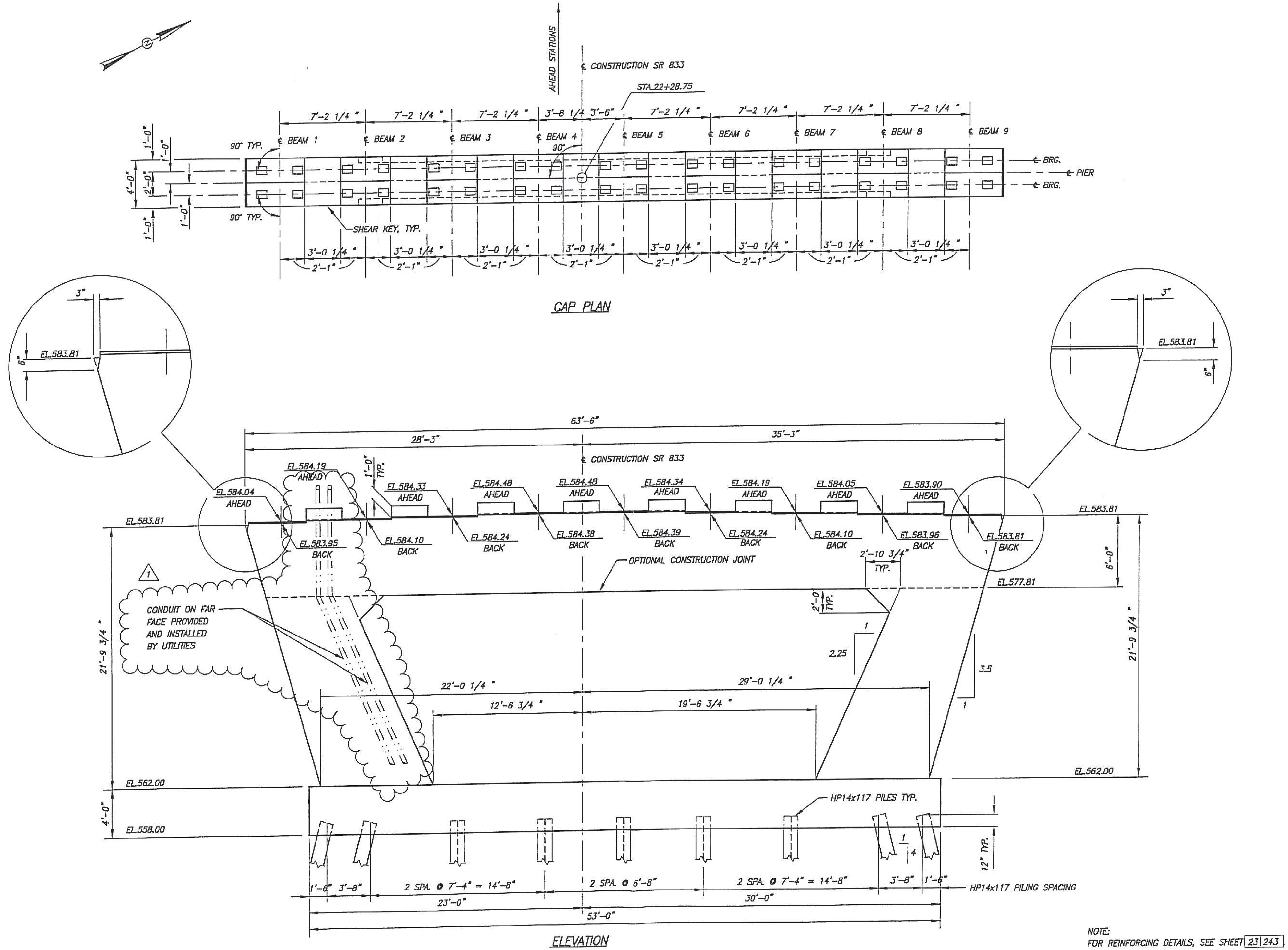
DESIGNED	DRAWN	REVIEWED	DATE
MPS	WJH	CPS	06/02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
FKL	—	5300916(OH)/10385(WV)	

APPROACH SLAB DETAILS WEST VIRGINIA APPROACH
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER THE OHIO RIVER

MEG-33-15.70

21 / 243

351 / 582



NOTE:
FOR REINFORCING DETAILS, SEE SHEET 23/243

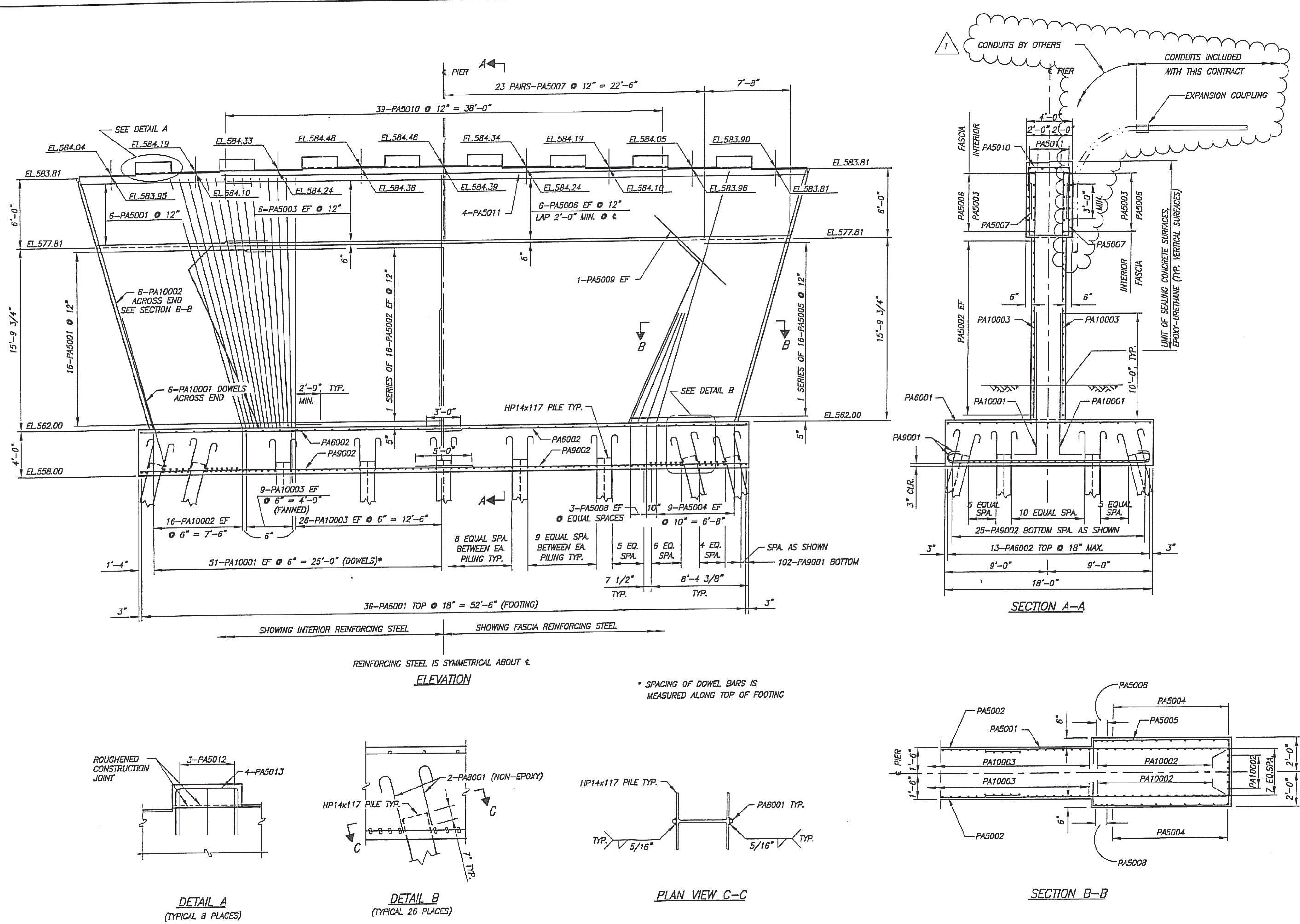
NUMBER	REVISION	DATE	BY
1	CONDUITS FOR UTILITIES ADDED	10/18/12	MRS

DESIGNED BY: BALKE ENGINEERS
1848 Summit Road
Cincinnati, Ohio 45237

DESIGNED MRS | DRAWN KJH | REVIEWED LS | DATE
CHECKED FKL | REVISED | STRUCTURE FILE NUMBER 5300916(OH) 10385(WV)

PIER 1 DETAILS WEST VIRGINIA APPROACH
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER THE OHIO RIVER

MEG-33-15.70



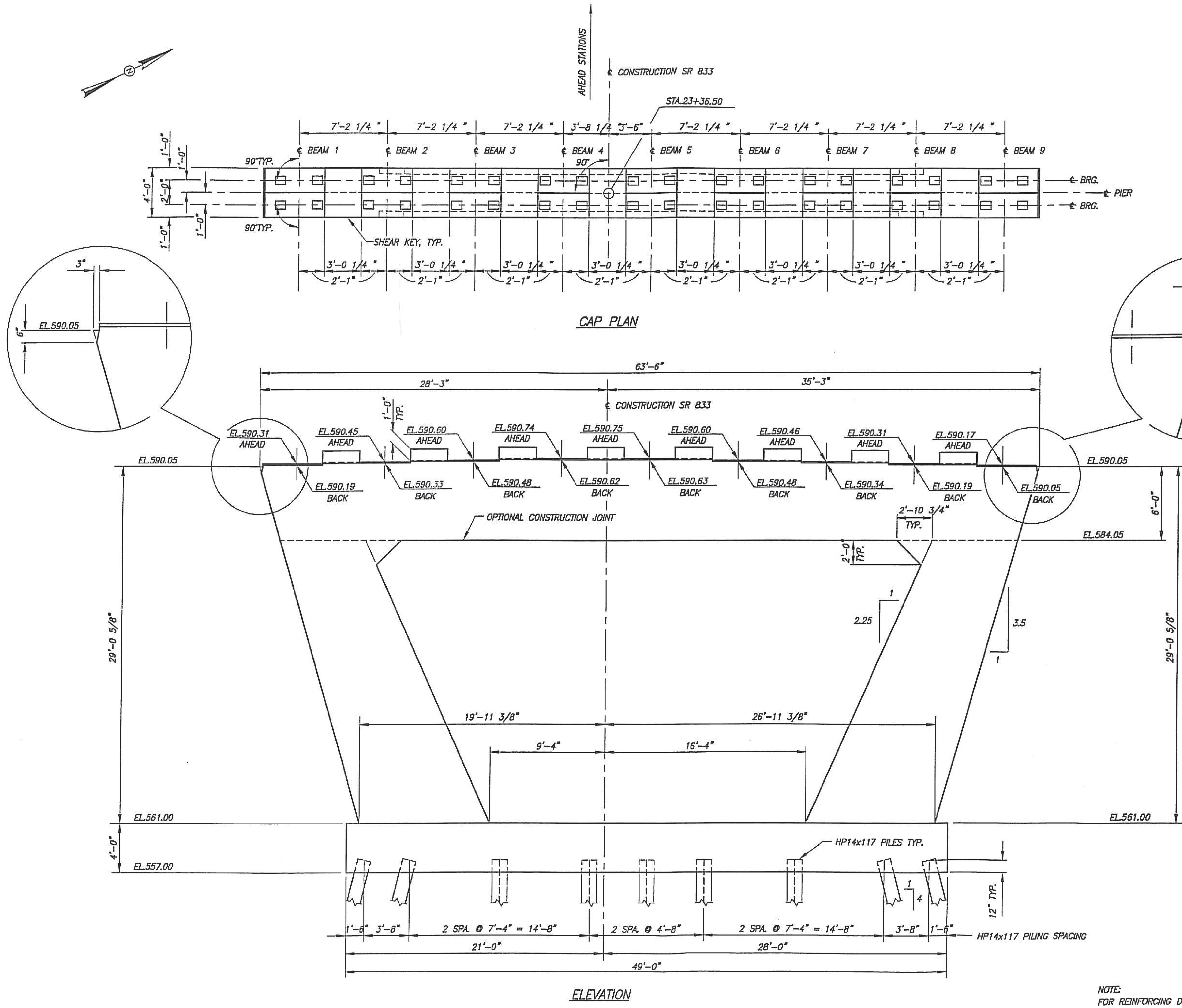
PIER 1 DETAILS WEST VIRGINIA APPROACH
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER THE OHIO RIVER

DESIGNED BY: BALKE ENGINEERS
1848 Summit Road
Cincinnati, Ohio 45237

REVISION 1: CONDUITS FOR UTILITIES ADDED — 10/16/02 — MRS

DESIGNED: MRS | DRAWN: HJK | CHECKED: FKL
STRUCTURE FILE NUMBER 5300916(OH) 10389(WV)

MEG-33-15.70



NOTE:
FOR REINFORCING DETAILS, SEE SHEET 25/243.

DESIGNED BY: BALKE ENGINEERS
1848 Summit Road
Cincinnati, Ohio 45237

DESIGNED	DRAWN	REVIEWED	DATE
MRS	KJH	LS	
CHECKED	REVISED	STRUCTURE FILE NUMBER	
FKL		5300916(OH) 10385(WV)	

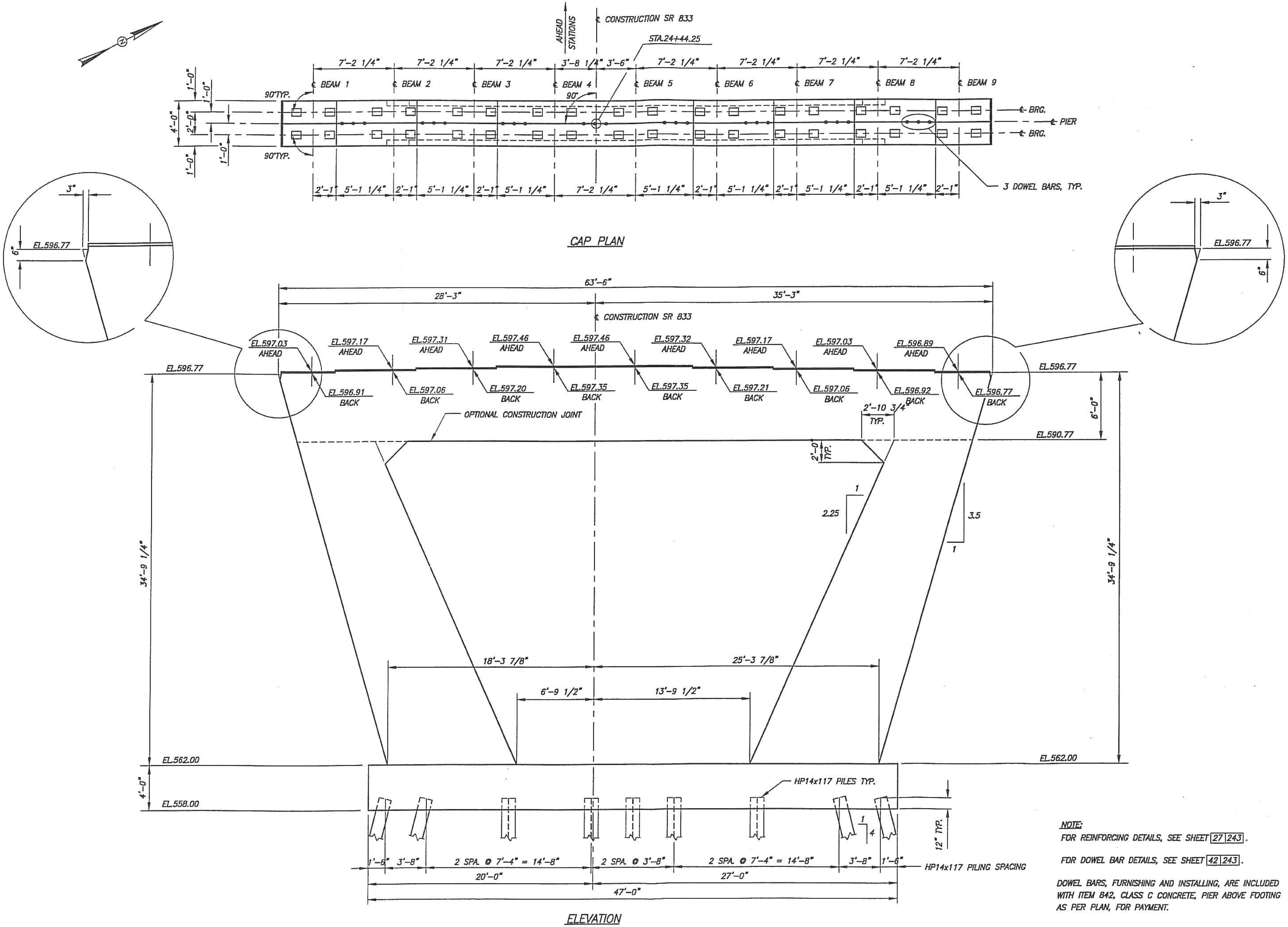
PIER 2 DETAILS WEST VIRGINIA APPROACH
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER THE OHIO RIVER

MEG-33-15.70

24/243

354/582

PIER 2 DETAILS WEST VIRGINIA APPROACH
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER THE OHIO RIVER
DESIGNED BY: BALKE ENGINEERS
1848 Summit Road
Cincinnati, Ohio 45237
DESIGNED MRS
DRAWN HJK
CHECKED FKL
REVIEWED
DATE
REVISED
STRUCTURE FILE NUMBER 5300916(OH) 10385(WV)
MEG-33-15.70
25/243
355
582
ELEVATION
REINFORCING STEEL IS SYMMETRICAL ABOUT ℄
SHOWING INTERIOR REINFORCING STEEL
SHOWING FASCIA REINFORCING STEEL
℄ PIER
23 PAIRS-PB5007 @ 12" = 22'-0"
7'-6"
39-PB5010 @ 12" = 38'-0"
SEE DETAIL A
EL.590.31
EL.590.45
EL.590.60
EL.590.74
EL.590.75
EL.590.60
EL.590.46
EL.590.31
EL.590.17
EL.590.05
EL.590.19
EL.590.33
EL.590.48
EL.590.62
EL.590.63
EL.590.48
EL.590.34
EL.590.19
EL.590.05
6-PB5001 @ 12"
6-PB5003 EF @ 12"
4-PB5011
6-PB5006 EF @ 12"
2'-0" MIN. LAP AT ℄
EL.584.05
1-PB5009 EF
23'-0 5/8"
24-PB5001 @ 12" MAX.
6-PB10002 ACROSS END SEE SECTION B-B
1 SERIES OF 24-PB5002 EF @ 12" MAX.
1 SERIES OF 24-PB5005 @ 12" MAX.
6-PB10001 DOWELS ACROSS END
2'-0" TYP. MIN.
3'-0"
HP14x117 PILE TYP.
SEE DETAIL B
EL.561.00
EL.557.00
4'-0"
PB6002
PB9002
5'-0"
9-PB10003 EF @ 6" = 4'-0" (FANNED)
4-PB5008 EF @ 10" (FANNED)
9-PB5004 EF @ 10" = 6'-8"
16-PB10002 EF @ 6" = 7'-6"
22-PB10003 EF @ 6" = 10'-6"
8 EQUAL SPA. BETWEEN EA. PILING TYP.
11 EQUAL SPA. BETWEEN EA. PILING TYP.
5 EQ. SPA.
6 EQ. SPA.
4 EQ. SPA.
SPA. AS SHOWN
106-PB9001 BOTTOM
1'-4"
47-PB10001 EF @ 6" = 23'-0"
(DOWELS, MEASURED ALONG TOP OF FOOTING)
7 1/2" TYP.
8'-4 3/8" TYP.
34-PB6001 TOP @ 18" MAX. = 48'-6"
SECTION A-A
FASCIA
INTERIOR
4'-0"
2'-0" 2'-0"
PB5011
PB5010
PB5006
PB5003
PB5007
3'-0" MIN.
6"
PB5002 EF
PB10003
LIMIT OF SEALING CONCRETE SURFACES, EPOXY-URETHANE (TYP. VERTICAL SURFACES)
10'-0" TYP.
PB6001
PB10001
PB9001
3" CLR.
5 EQUAL SPA.
10 EQUAL SPA.
25-PB9002 BOTTOM SPA. AS SHOWN
13-PB6002 TOP @ 18" MAX.
9'-0"
18'-0"
DETAIL A
(TYPICAL 8 PLACES)
ROUGHENED CONSTRUCTION JOINT
3-PB5012
4-PB5013
DETAIL B
(TYPICAL 26 PLACES)
2-PA8001 (NON-EPOXY)
HP14x117 PILE TYP.
7" TYP.
PLAN VIEW C-C
PB8001 TYP.
5/16"
TYP.
SECTION B-B
PB5008
PB5004
PB5002
PB5001
PB5005
PB10003
PB10002
7 EQ.SPA.
2'-0"
1'-6"



NOTE:

FOR REINFORCING DETAILS, SEE SHEET 27/243.

FOR DOWEL BAR DETAILS, SEE SHEET 42/243.

DOWEL BARS, FURNISHING AND INSTALLING, ARE INCLUDED WITH ITEM 842, CLASS C CONCRETE, PIER ABOVE FOOTING AS PER PLAN, FOR PAYMENT.

DESIGNED BY: BALKE ENGINEERS
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Cincinnati, Ohio 45237

DESIGNED	DRAWN	REVIEWED	DATE
MRS	KJH	LS	
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FKL		5300916(OH) 10385(WV)	

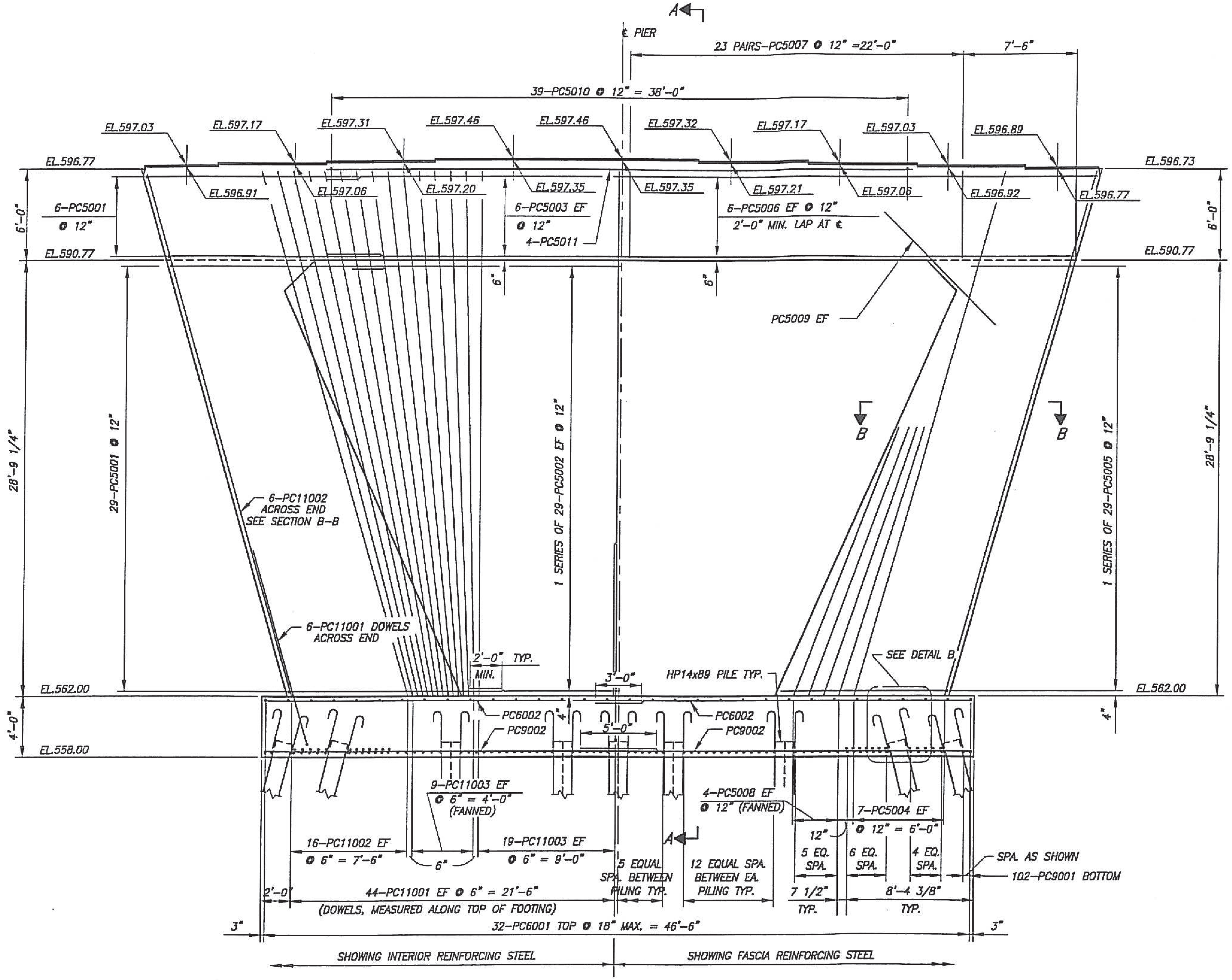
PIER 3 DETAILS WEST VIRGINIA APPROACH
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER THE OHIO RIVER

MEG-33-15.70

26/243

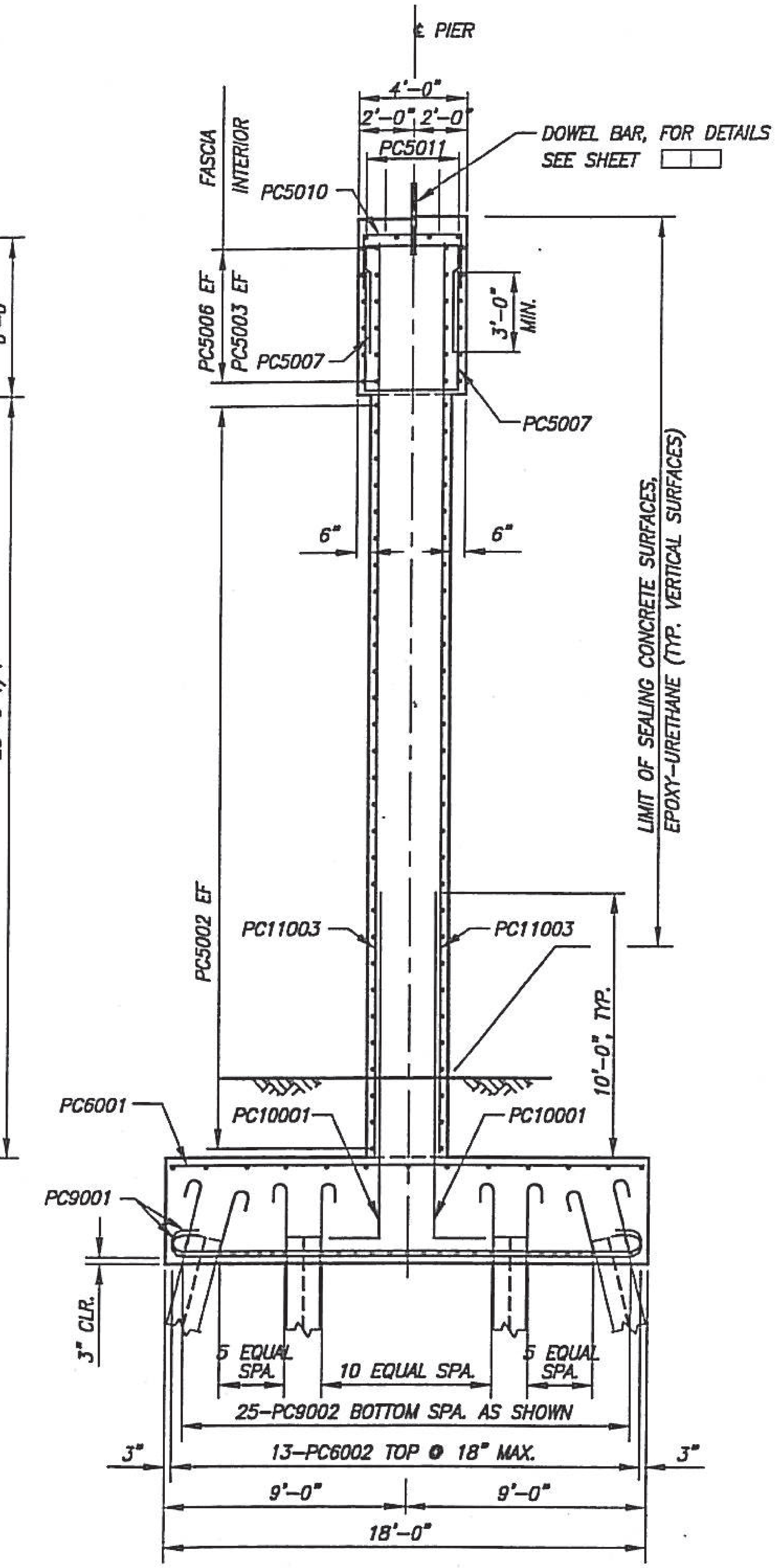
356/582

Time: 13:41:42
Date: 7/22/2003
Scale: 1=8(PS)
Drawing File: ...6-07-03 REVISED PILES\SHT-356R.dwg (SPierz)

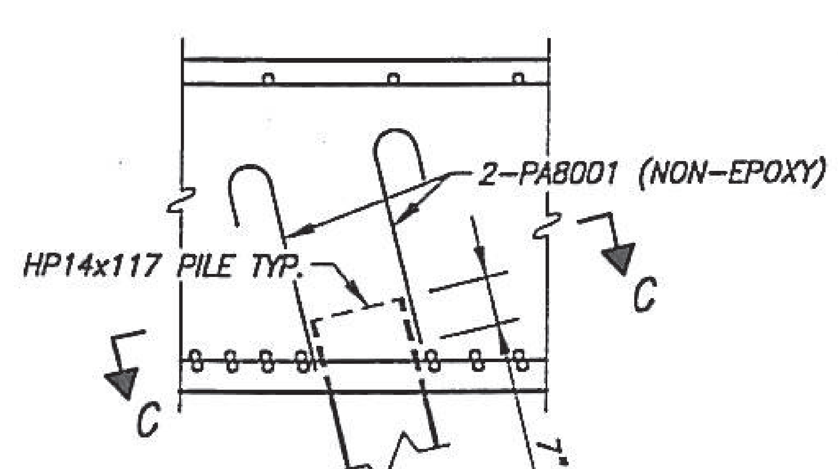


ELEVATION

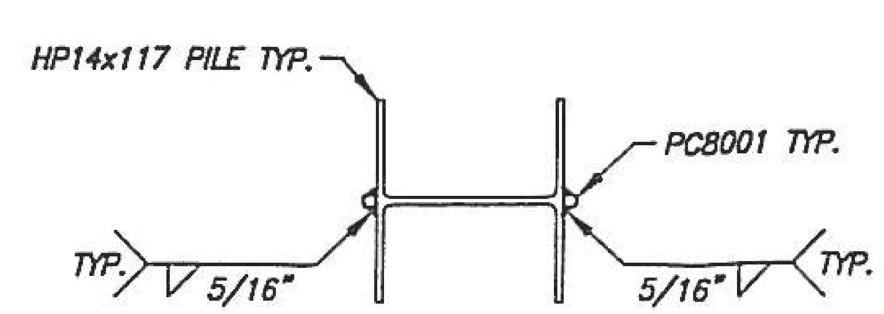
REINFORCING STEEL IS SYMMETRICAL ABOUT ℄



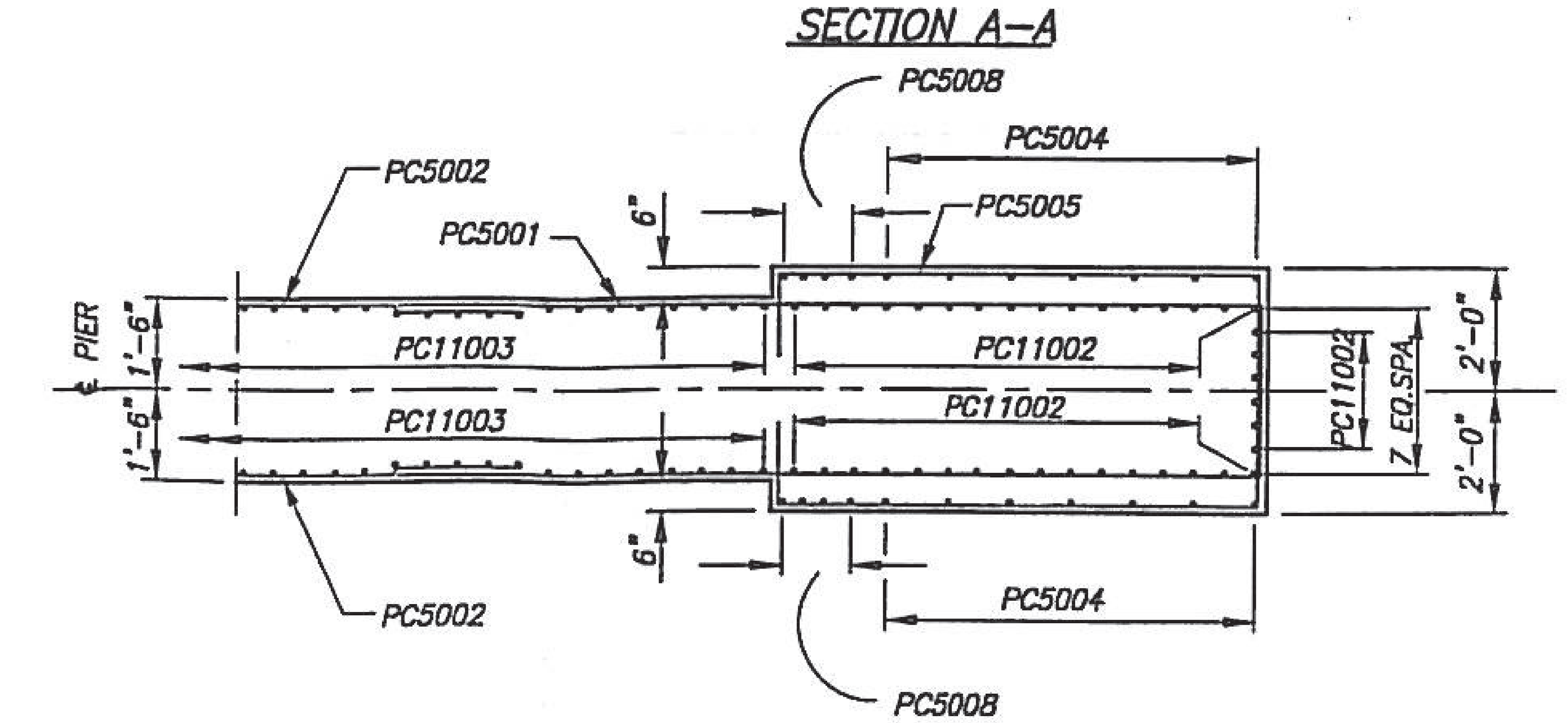
SECTION A–A



DETAIL B
(TYPICAL 26 PLACES)



PLAN VIEW C–C



SECTION B–B

DESIGNED BY: BALKE ENGINEERS
1848 Summit Road
Cincinnati, Ohio 45237

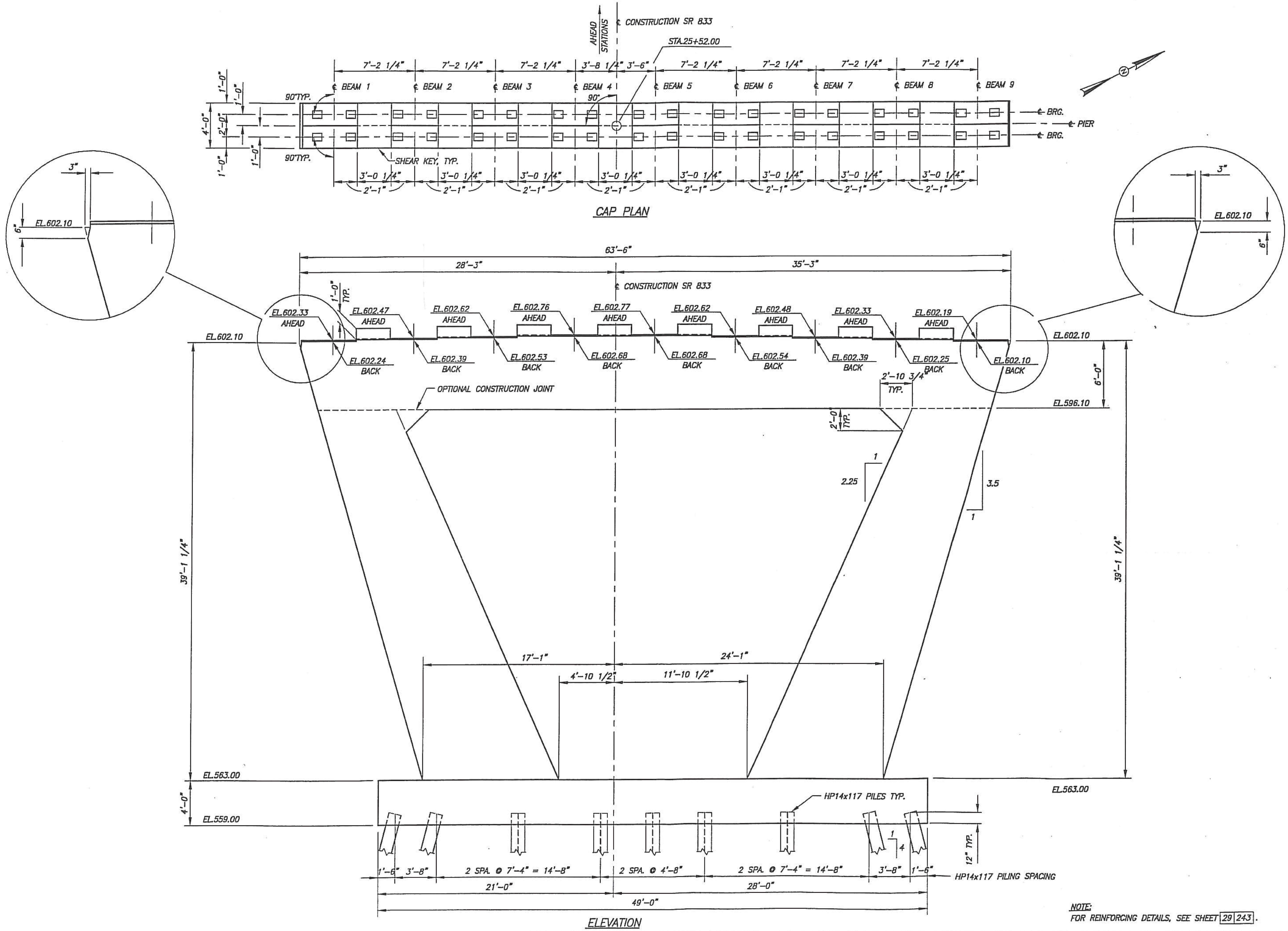
DESIGNED	DRAWN	REVIEWED	DATE
MRS	HJK		
CHECKED	REVISED	STRUCTURE FILE NUMBER	
FKL		5300916(OH) 10385(WV)	

PIER 3 DETAILS WEST VIRGINIA APPROACH
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER THE OHIO RIVER

MEG-33-15.70

27/243

357/582



NOTE:
FOR REINFORCING DETAILS, SEE SHEET 29 243.

DESIGNED BY: BALKE ENGINEERS
1848 Summit Road
Cincinnati, Ohio 45237

DESIGNED MRS | DRAWN KJH | REVIEWED LS | DATE
CHECKED FKL | REVISED | STRUCTURE FILE NUMBER 5300816(OH) 10385(WV)

PIER 4 DETAILS WEST VIRGINIA APPROACH
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER THE OHIO RIVER

MEG-33-15.70

28/243

358/582

DESIGNED BY: BALKE ENGINEERS
1848 Summit Road
Cincinnati, Ohio 45237

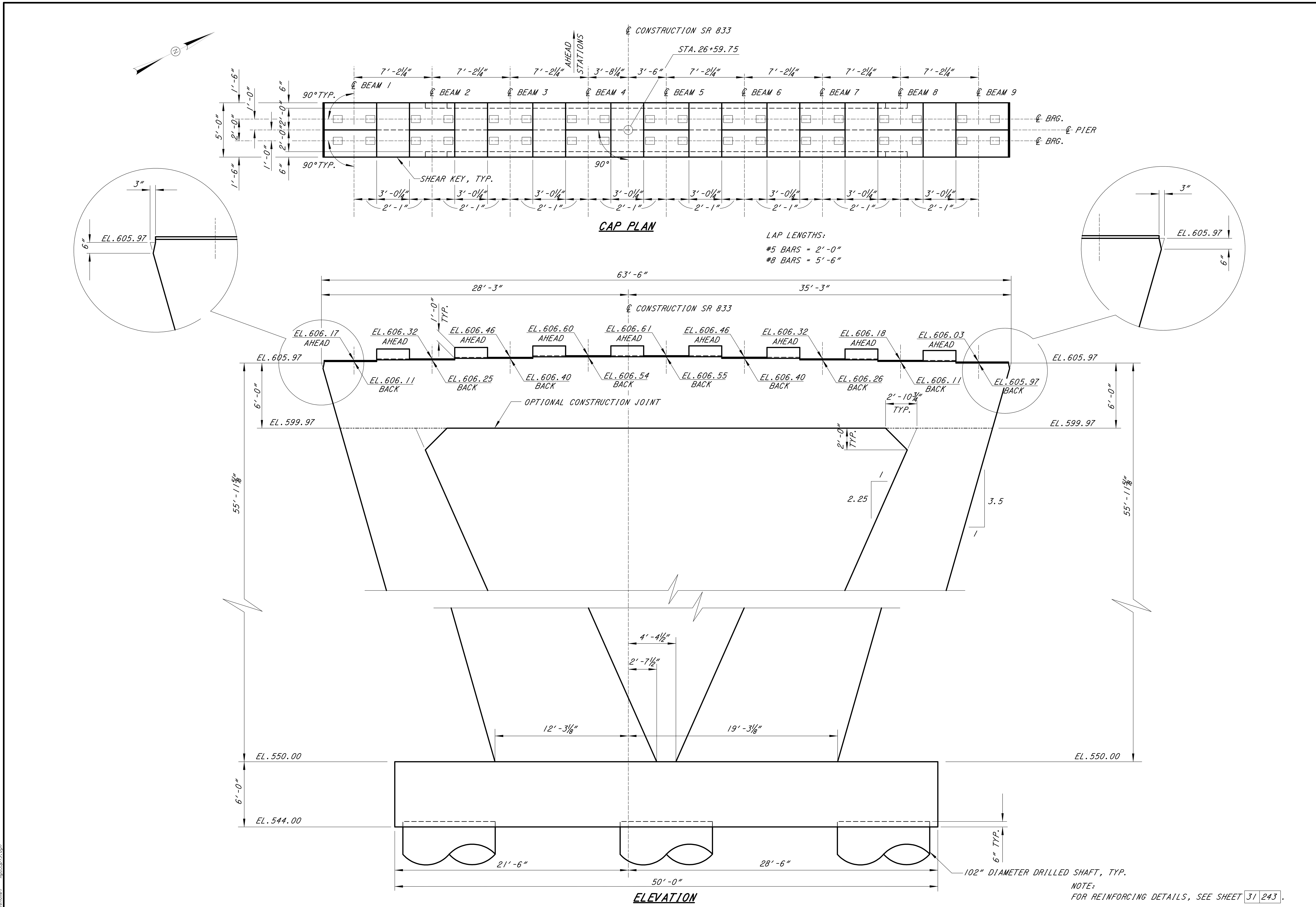
DESIGNED	DRAWN	REVIEWED	DATE
MRS	HJK		
CHECKED	REVISED	STRUCTURE FILE NUMBER	
FKL		5300916(OH) 10385(WV)	

PIER 4 DETAILS WEST VIRGINIA APPROACH
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER THE OHIO RIVER

MEG-33-15.70

29/243

359
582



DESIGN AGENCY
BALKE ENGINEERS
1848 Summit Road
Cincinnati, Ohio 45237

DESIGNED	DRAWN	REVIEWED	DATE
MPS	WJH	CPS	06/02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
FKL	—	5300916(OH)/10385(WV)	

PIER 5 DETAILS WEST VIRGINIA APPROACH

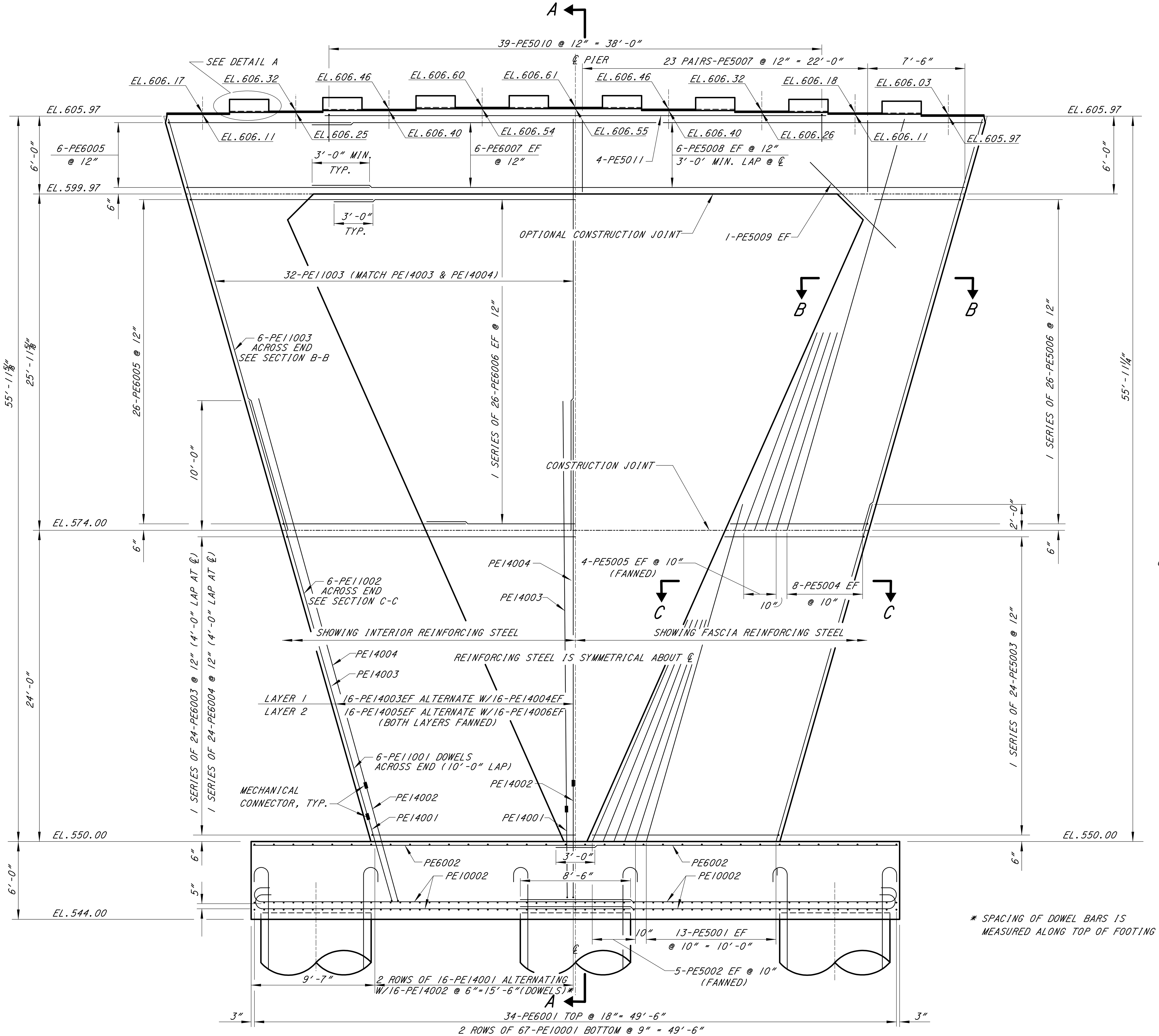
BRIDGE NO. MEG-33-1570

POMEROY MASON BRIDGE OVER THE OHIO RIVER

MEG-33-15.70

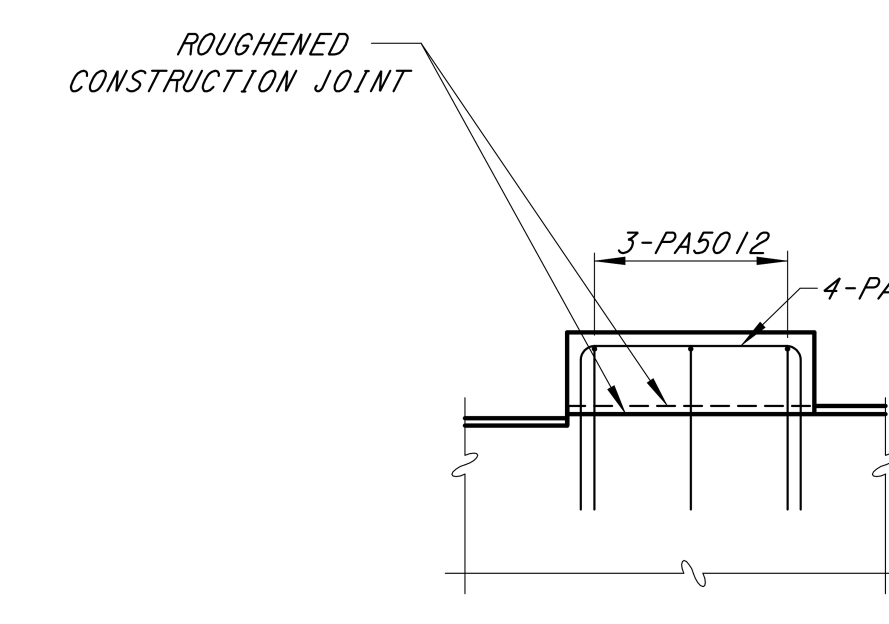
30/243

360/582



ELEVATION

* SPACING OF DOWEL BARS IS MEASURED ALONG TOP OF FOOTING



DETAIL A

(TYPICAL 8 PLACES)

NOTES:

FOR SECTIONS A-A, B-B AND C-C, SEE SHEET 32 243.

DESIGN AGENCY: BALKE ENGINEERS, 1848 Summit Road, Cincinnati, Ohio 45237

DESIGNED	DRAWN	REVIEWED	DATE
MPS	WJH	CPS	06/02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
FKL	—	5300916(OHI)/10385(WV)	

PIER 5 DETAILS WEST VIRGINIA APPROACH

BRIDGE NO. MEG-33-1570

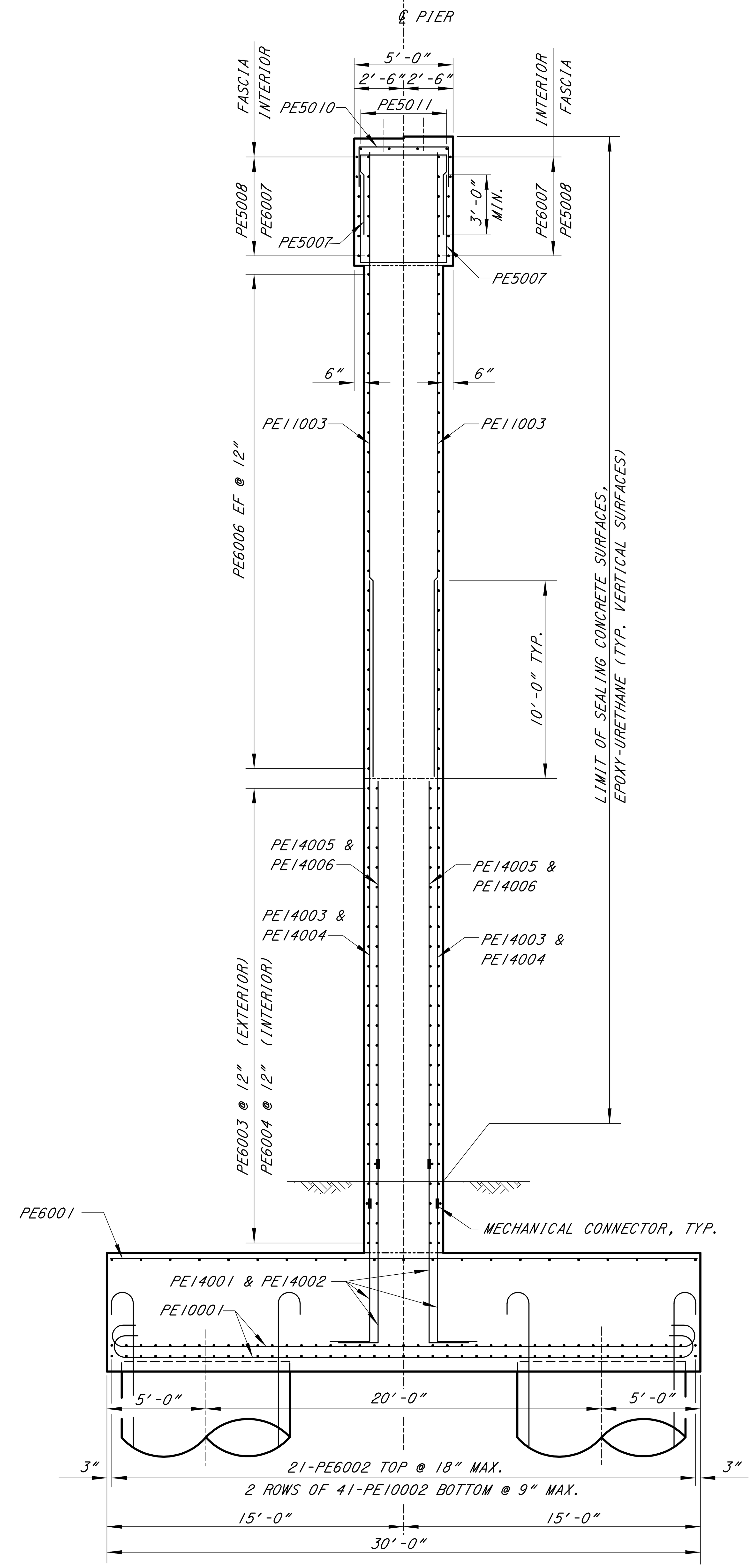
POMEROY MASON BRIDGE OVER THE OHIO RIVER

MEG-33-15.70

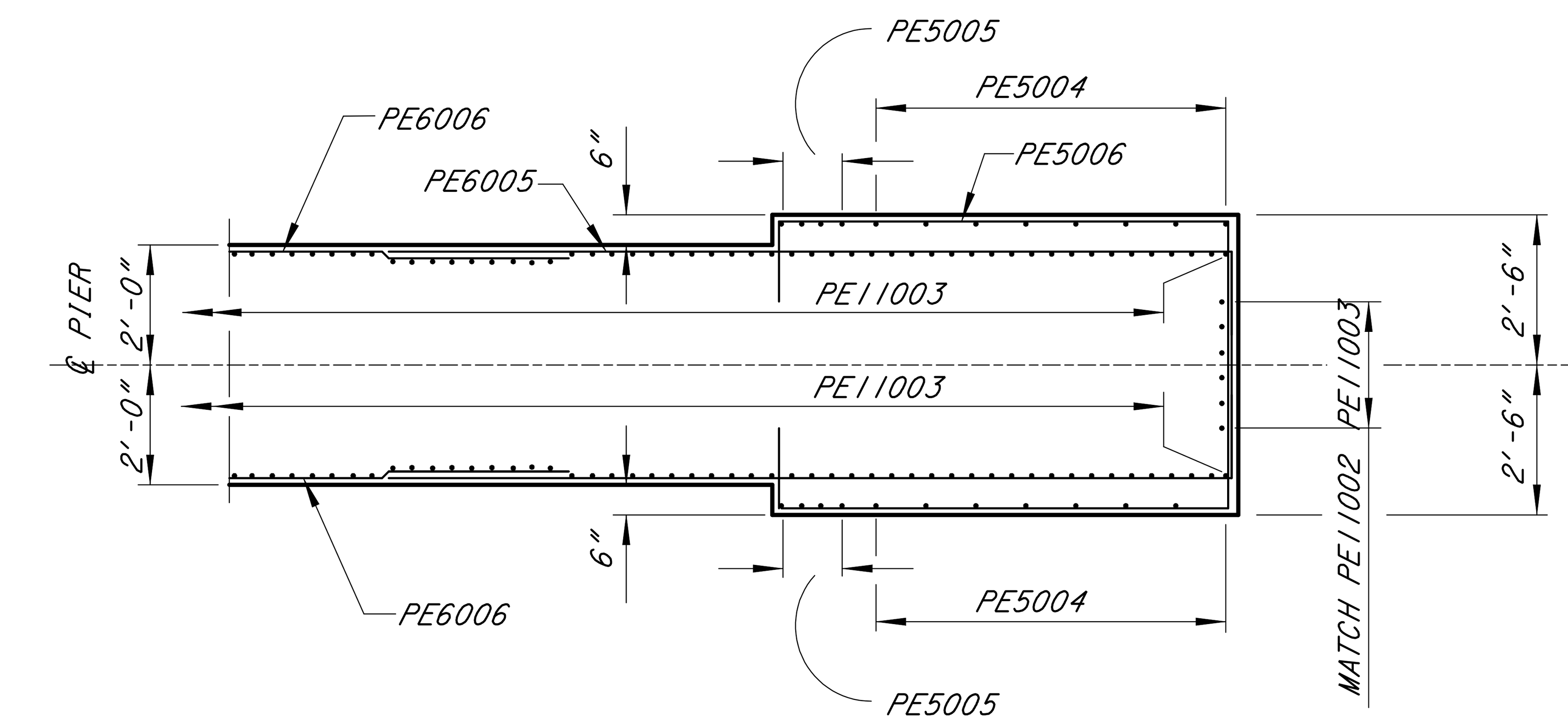
31 / 243

361 / 582

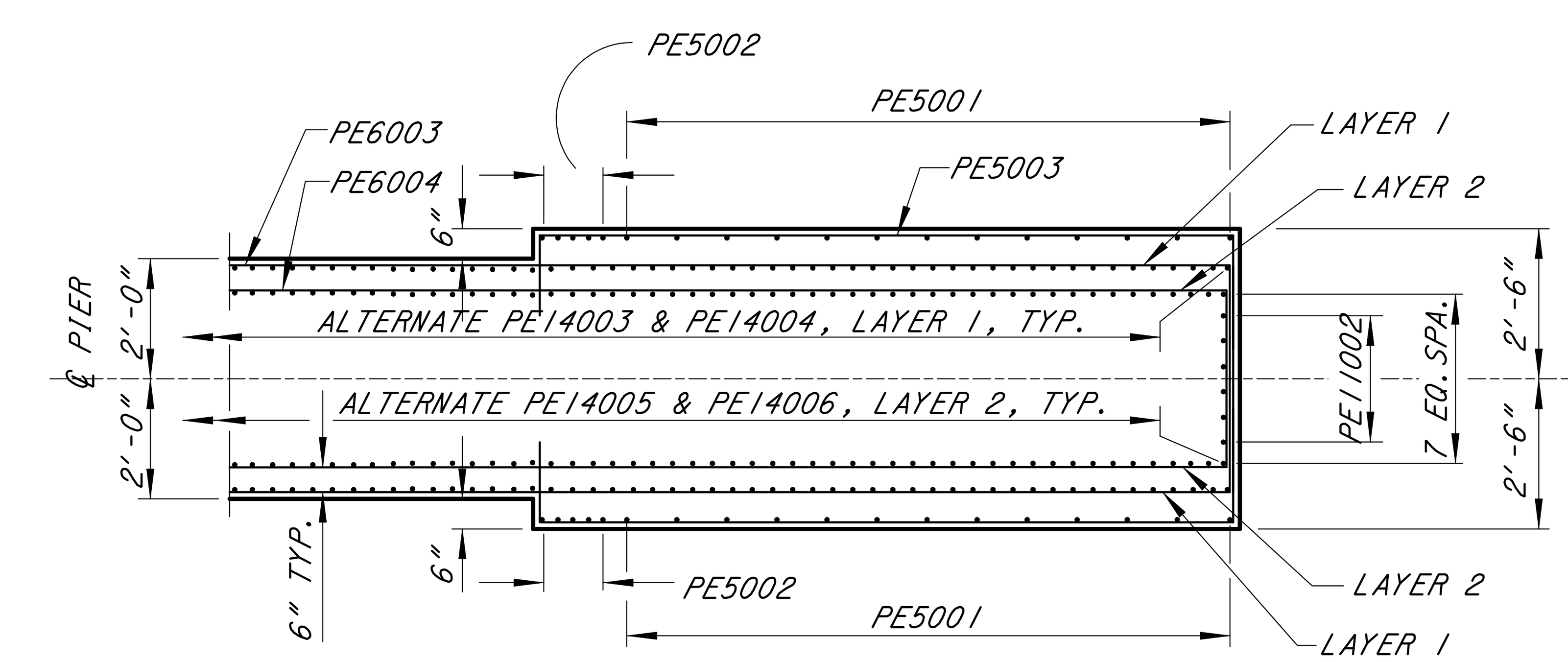
Filename: mp833p1a.dgn



SECTION A-A



SECTION B-B



SECTION C-C

Filename: mp833p1b.dgn

DESIGN AGENCY
BALKE ENGINEERS
1848 Summit Road
Cincinnati, Ohio 45237

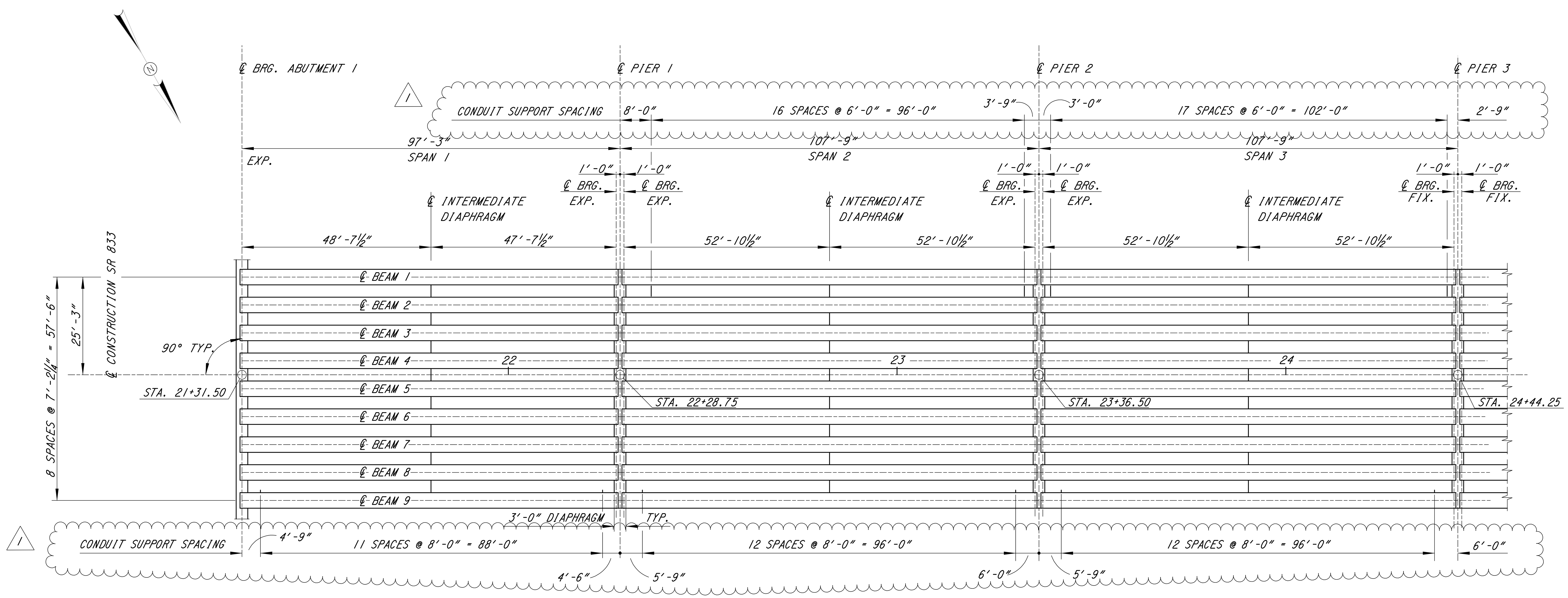
DESIGNED	DRAWN	REVIEWED	DATE
MPS	WJH	CPS	06/02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
FXL	—	5300916(OH)/10385(WV)	

PIER 5 DETAILS WEST VIRGINIA APPROACH
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER THE OHIO RIVER

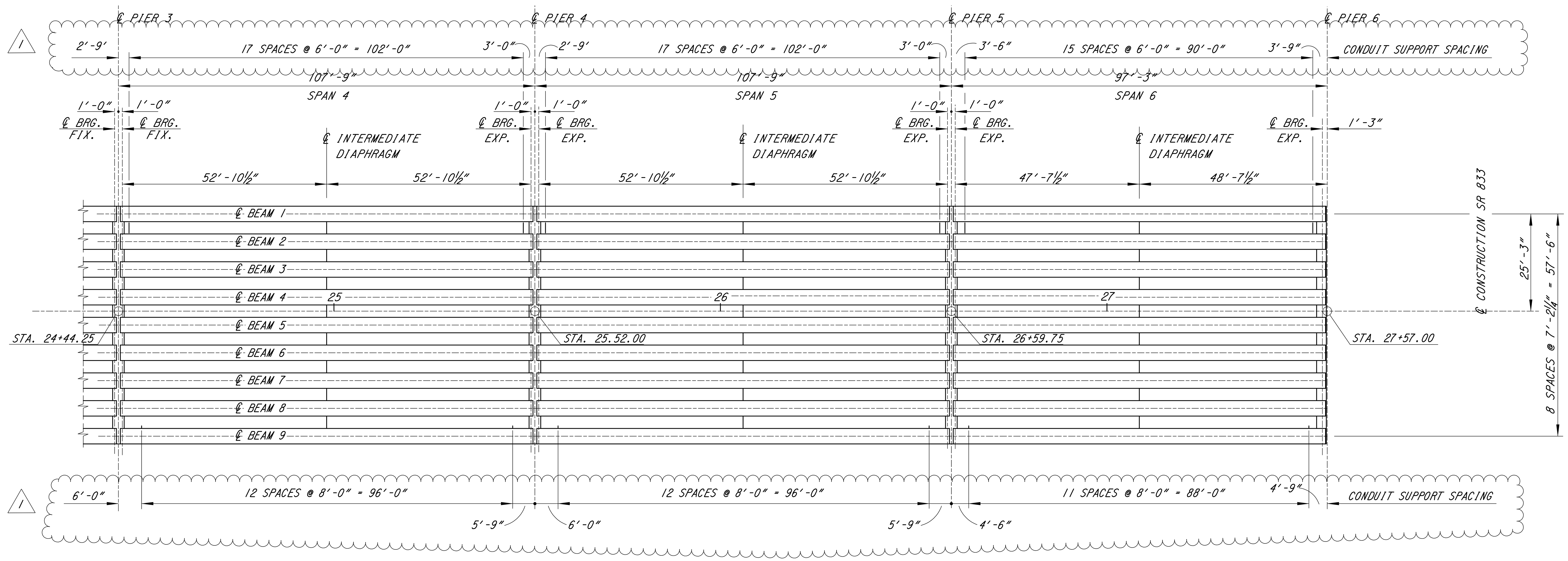
MEG-33-15.70

32 / 243

362 / 582



FRAMING PLAN



FRAMING PLAN

NOTES:
FOR DIAPHRAGM DETAILS, SEE SHEET 41/243 AND 42/243.

NUMBER	REVISION	DATE	BY
1	CONDUIT SUPPORTS, WITH SPACING NOTED, ADDED	10/18/02	WJH

DESIGN AGENCY
BALKE ENGINEERS
1848 Summit Road
Cincinnati, Ohio 45237

DESIGNED	DRAWN	REVIEWED	DATE
MPS	ALH	CPS	06/02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
FKL	—	5300916(OH)/10385(WV)	

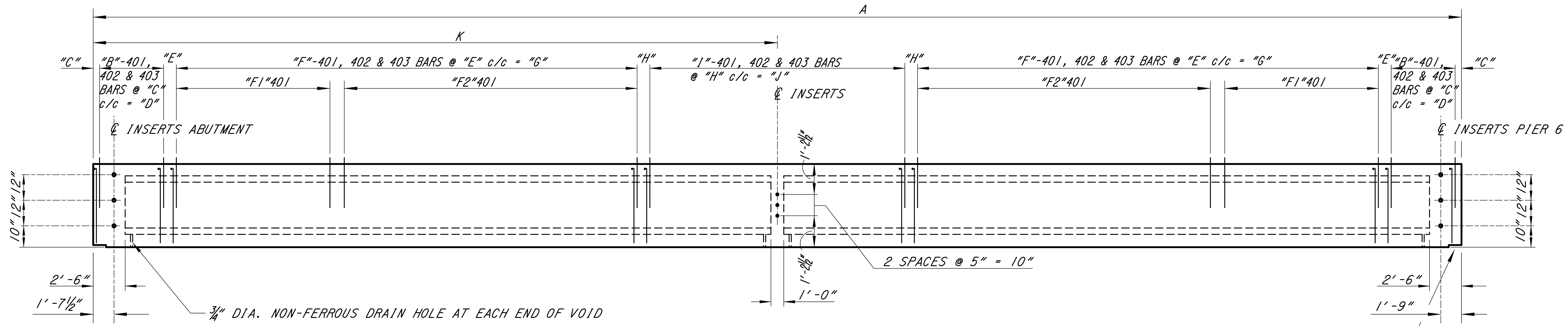
FRAMING PLAN WEST VIRGINIA APPROACH
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER THE OHIO RIVER

MEG-33-15.70

33/243

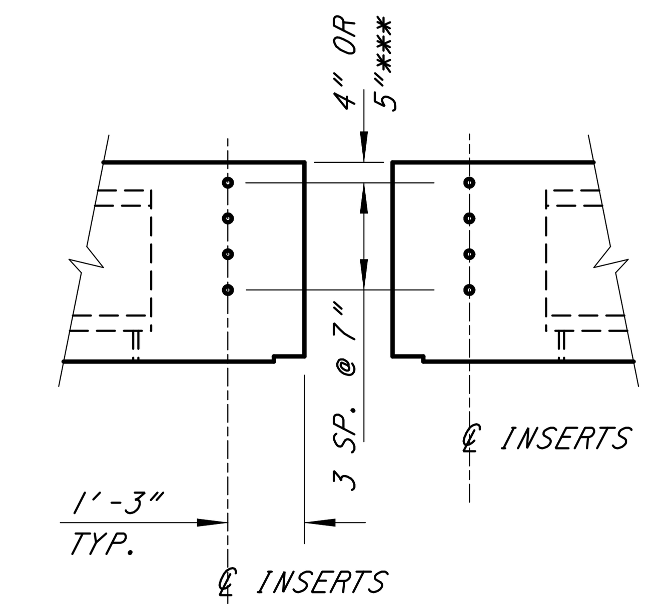
363/582

Filename: mp8X9d1.dgn



2 NOTCHES IN BOTTOM OF BEAM FOR BEARINGS. FOR DETAILS, SEE SHEET 36 243. TYP.

BEAM ELEVATION (SPANS 1 THRU 6)
(STRANDS OMITTED FOR CLARITY)



INSERT LOCATIONS
(PIERS 1, 2, 4, & 5)

*** DIMENSION VARIES FROM SIDE TO SIDE OF BEAM TO ACCOUNT FOR CROSS-SLOPE OF DECK

STRAND INFORMATION **																				
SPANS	BEAM NUMBER	NO. OF STRANDS PER ROW *					NO. & LENGTH OF DEBONDED STRANDS †												TOTAL STRANDS	CONCRETE STRENGTHS	
							5'-0"		10'-0"		15'-0"		20'-0"		25'-0"		35'-0"				
		1	2	3	4	5	ROW	NO.	ROW	NO.	ROW	NO.	ROW	NO.	ROW	NO.	ROW	NO.		f' ci	f' c
1 & 6	1 & 9	20	20	2		4	1	4	2	2			1	2	1	2			46	6000	8000
	2 - 8	20	16				1	2	1	6									36	6000	8000
2 - 5	1 & 9	20	22	4	2	4					1	4			1	4	2	4	52	6000	8000
	2 - 8	20	20	2		2			2	4	1	4			1	2			44	6000	8000

** PRESTRESSING STRANDS TO BE 0.6" DIA. LOW RELAXATION WITH 0.217 SQ. IN. STRAND AREA

* STRANDS IN ROW 5 TO BE DEBONDED IN CENTER AND CUT AT 30'-0" FROM EACH END OF BEAM. STRANDS IN ROWS 1 - 4 TO BE DEBONDED AS SHOWN MEASURED FROM EACH END OF BEAM.

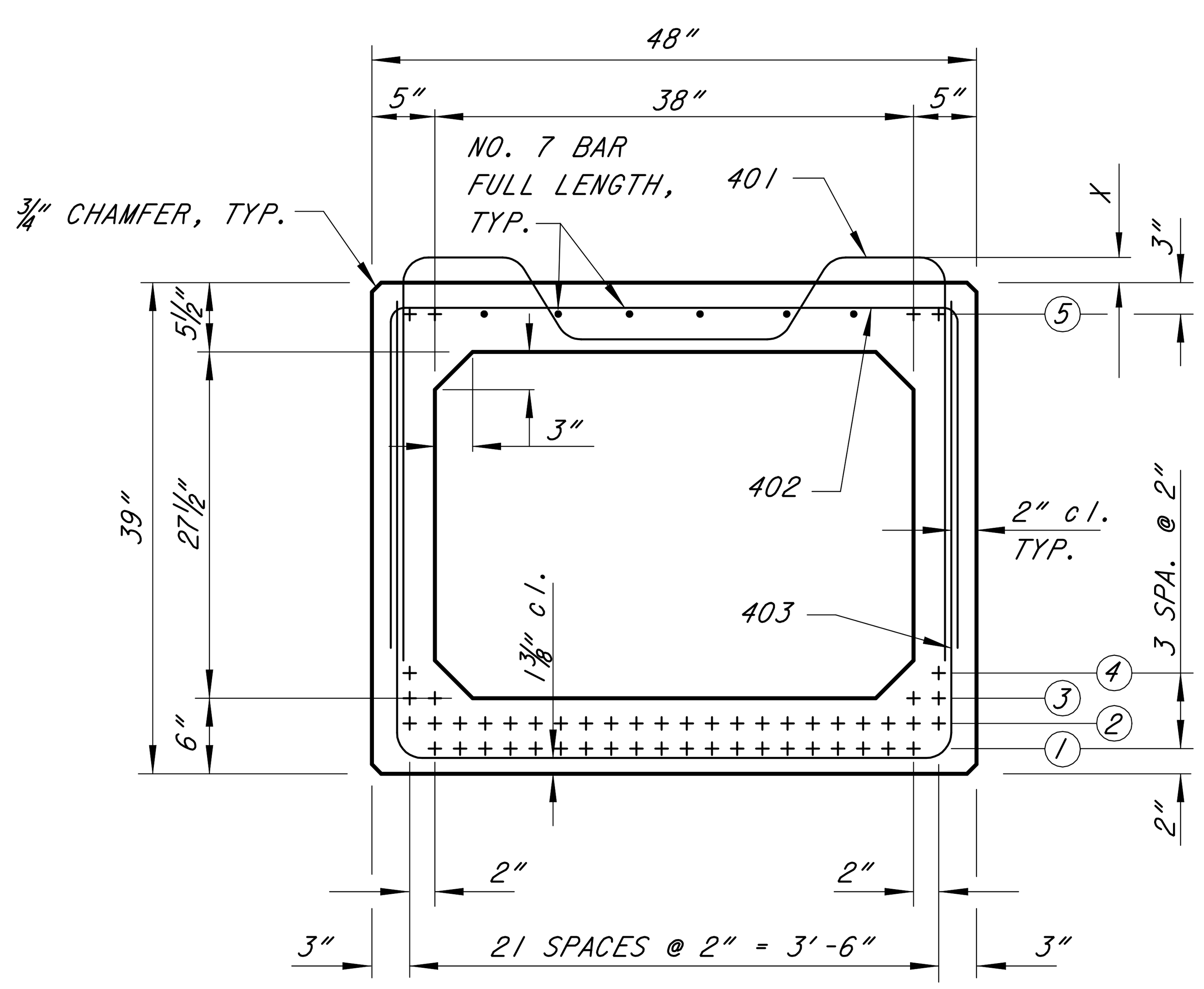
† FOR LOCATION OF BONDED AND DEBONDED STRANDS, SEE SHEET 35 243.

BEAM DIMENSIONS - MEASURED ALONG ℄ OF BEAM														APPROXIMATE WEIGHT (LBS)	401 BARS REQ'D.	402 BARS REQ'D.	403 BARS REQ'D.
SPAN NUMBER	DIMENSIONS																
	A	B	C	D	E	F	F1	F2	G	H	I	J	K				
1	97'-4⅝"	10	6"	4'-6"	1'-0"	37	10	27	36'-0"	11½"	13	11'-5⅝"	49'-1"	85,720	113	113	125
2	106'-11⅛"	10	6"	4'-6"	1'-0"	40	10	30	39'-0"	11⅜"	17	15'-2¼"	53'-4"	94,255	123	123	135
3	106'-11¼"	10	6"	4'-6"	1'-0"	40	10	30	39'-0"	11⅜"	17	15'-1⅞"	53'-4"	94,225	123	123	135
4	106'-10½"	10	6"	4'-6"	1'-0"	40	10	30	39'-0"	11⅜"	17	15'-1⅝"	53'-4"	94,200	123	123	135
5	106'-9⅞"	10	6"	4'-6"	1'-0"	40	10	30	39'-0"	1'-0"	16	15'-0"	53'-4"	94,180	122	122	134
6	96'-0⅜"	10	6"	4'-6"	1'-0"	37	10	27	36'-0"	11⅛"	12	10'-2⅛"	48'-1"	84,500	112	112	124

NOTES:
1. FOR INSERT DETAILS, SEE STD. DWG. PSID-1-99
2. PROVIDE ADDITIONAL INSERTS IN BEAM 9, AS SHOWN ON SHEET 33 243 & 35 243 FOR 4" DIAMETER CONDUIT.
3. FOR ADDITIONAL BEAM DETAILS AND NOTES, SEE SHEET 35 243.
4. PROVIDE ADDITIONAL INSERTS IN BEAMS 1 & 2, AS SHOWN ON SHEET 33 243 & 35 243.

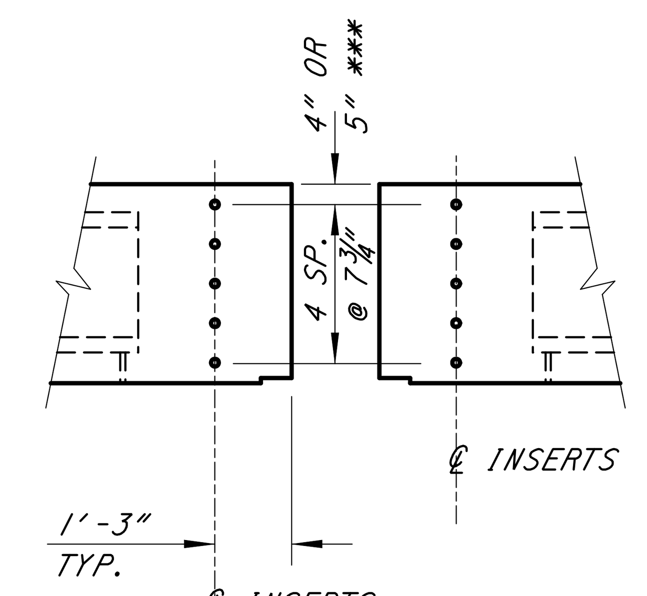
1

SPAN	DIMENSION X			
	"B"401	"F1"401	"F2"401	"I"401
1	12½"	9½"	7½"	4½"
2	12½"	9½"	7"	4½"
3	11"	8"	6½"	4½"
4	7"	5"	5"	4½"
5	7"	5"	5"	4½"
6	8"	6½"	6½"	4½"



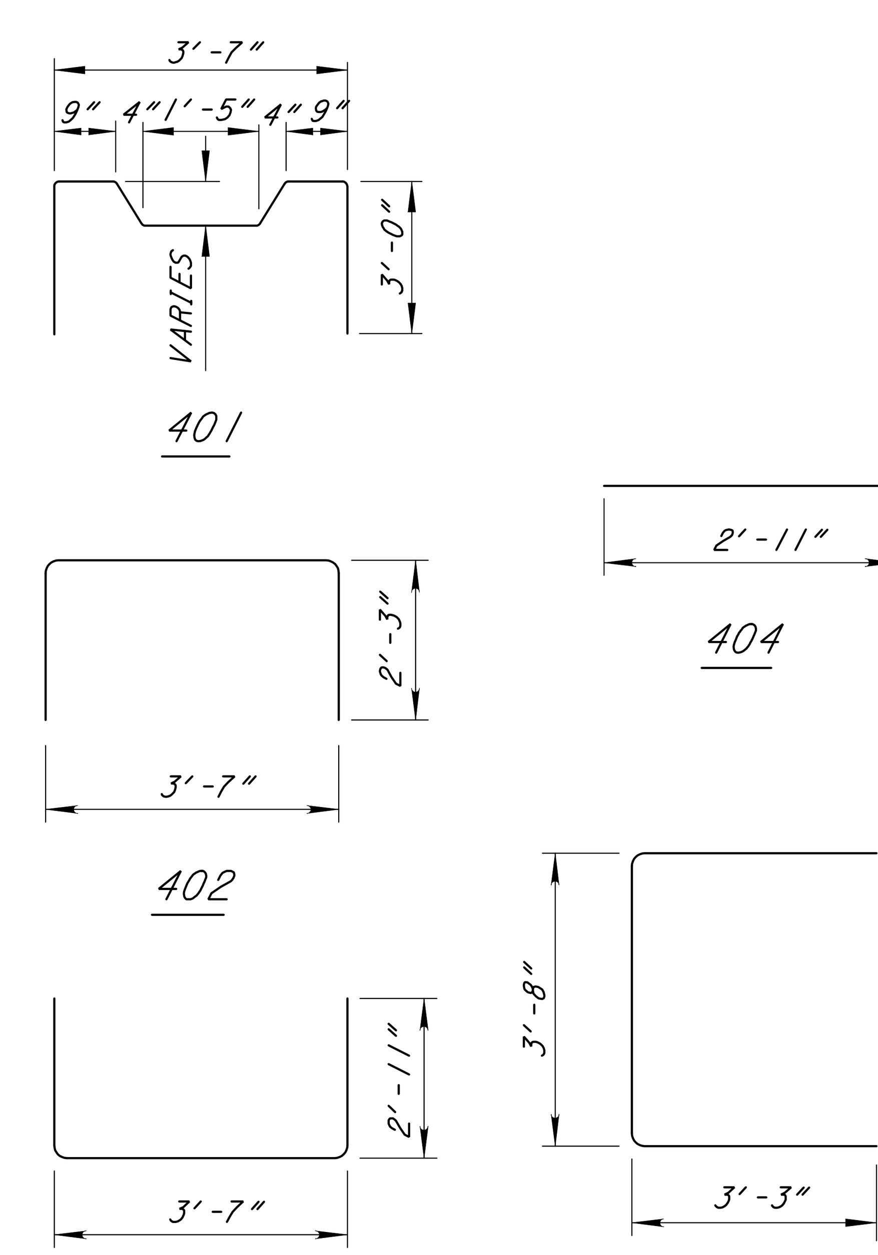
TYPICAL BEAM SECTION

AT PIER ENDS OF BEAMS, EXTEND 10 STRANDS IN ROW 1 AND 6 STRANDS IN ROW 2 1'-8" AND BEND UP. ALTERNATE STRANDS IN ABUTTING BEAMS TO AVOID INTERFERENCE. NO EXTENDED STRANDS SHALL BE DEBONDED.

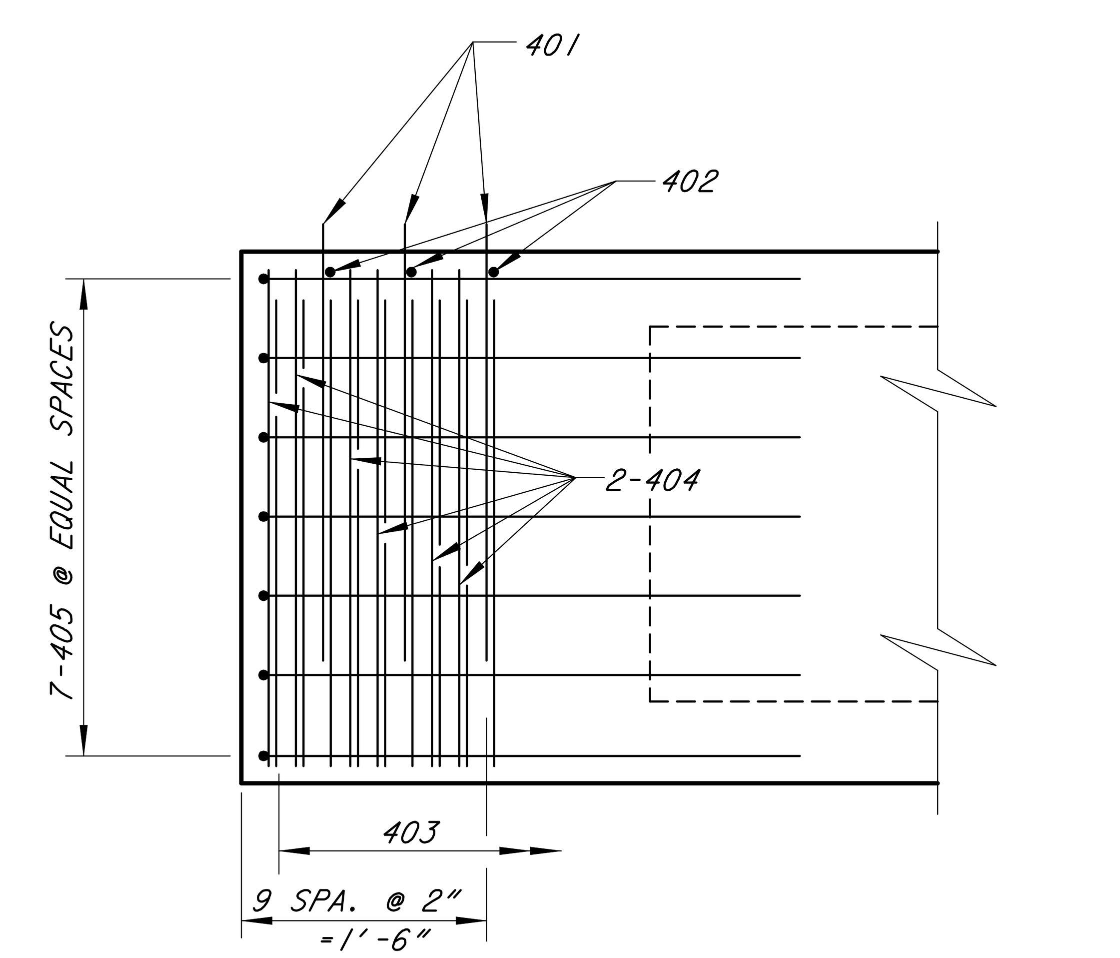


INSERT LOCATIONS
(PIER 3)

*** DIMENSION VARIES FROM SIDE TO SIDE OF BEAM TO ACCOUNT FOR CROSS-SLOPE OF DECK



BAR BENDING DIAGRAMS



ANCHORAGE REINFORCEMENT
(ELEVATION VIEW)

NUMBER	REVISION	DATE	BY
1	NOTES REVISED	10/18/02	WJH

DESIGN AGENCY
BALKE ENGINEERS
1848 Summit Road
Cincinnati, Ohio 45237

DESIGNED	DRAWN	REVIEWED	DATE
MPS	ALH	CPS	06/02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
FKL	—	5300916(OH)/10385(WV)	

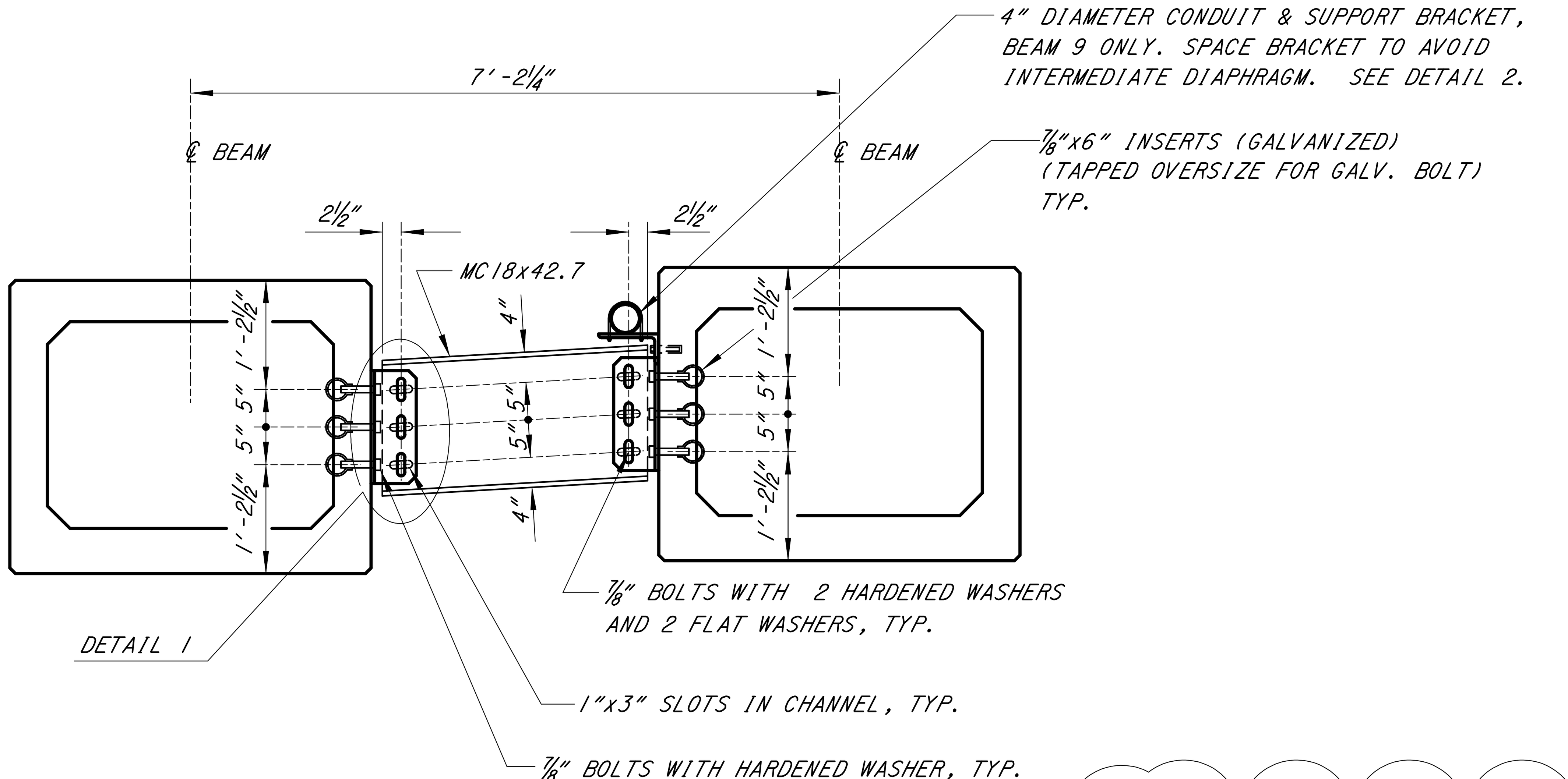
BEAM DETAILS WEST VIRGINIA APPROACH
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER THE OHIO RIVER

MEG-33-15.70

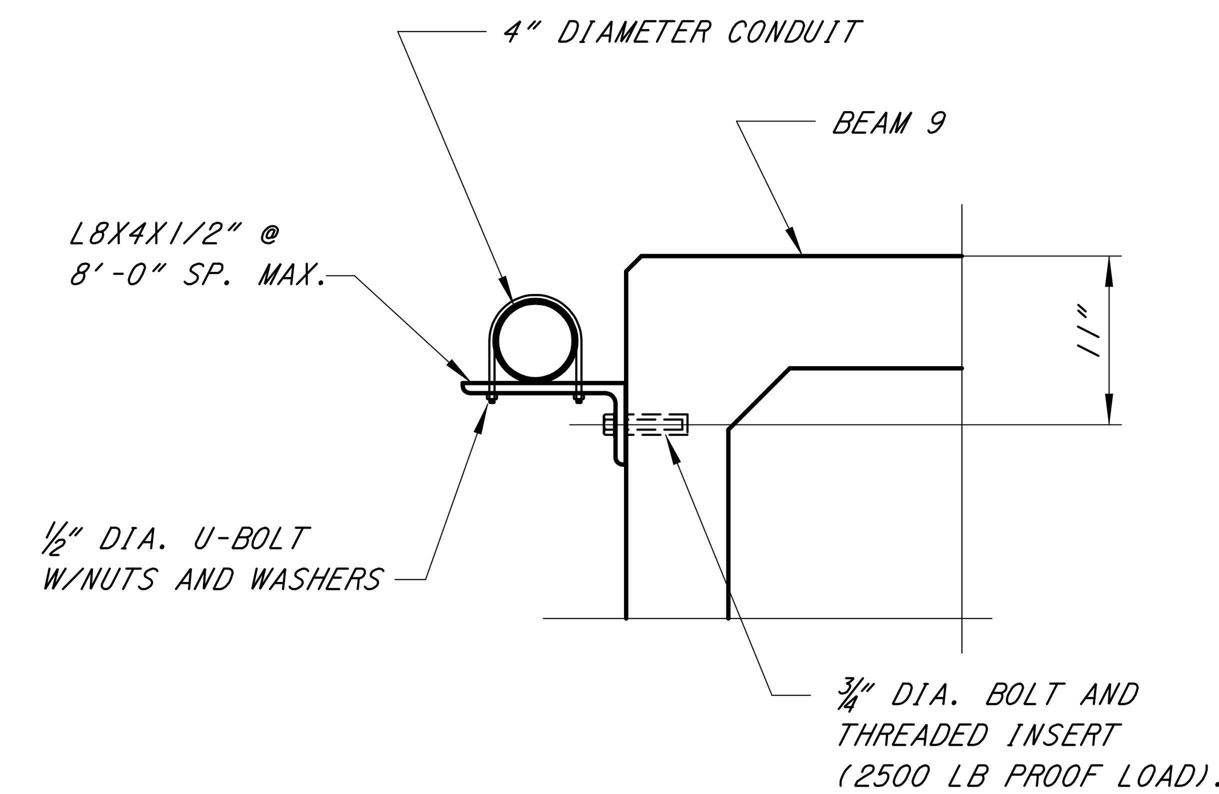
34 243

364 582

Filename: mp833sd2.dgn



TYPICAL INTERMEDIATE DIAPHRAGM



DETAIL 2
TYPICAL

NOTES FOR CONDUIT SUPPORTS:

STRUCTURAL STEEL SHALL MEET ASTM A709, GRADE 36.

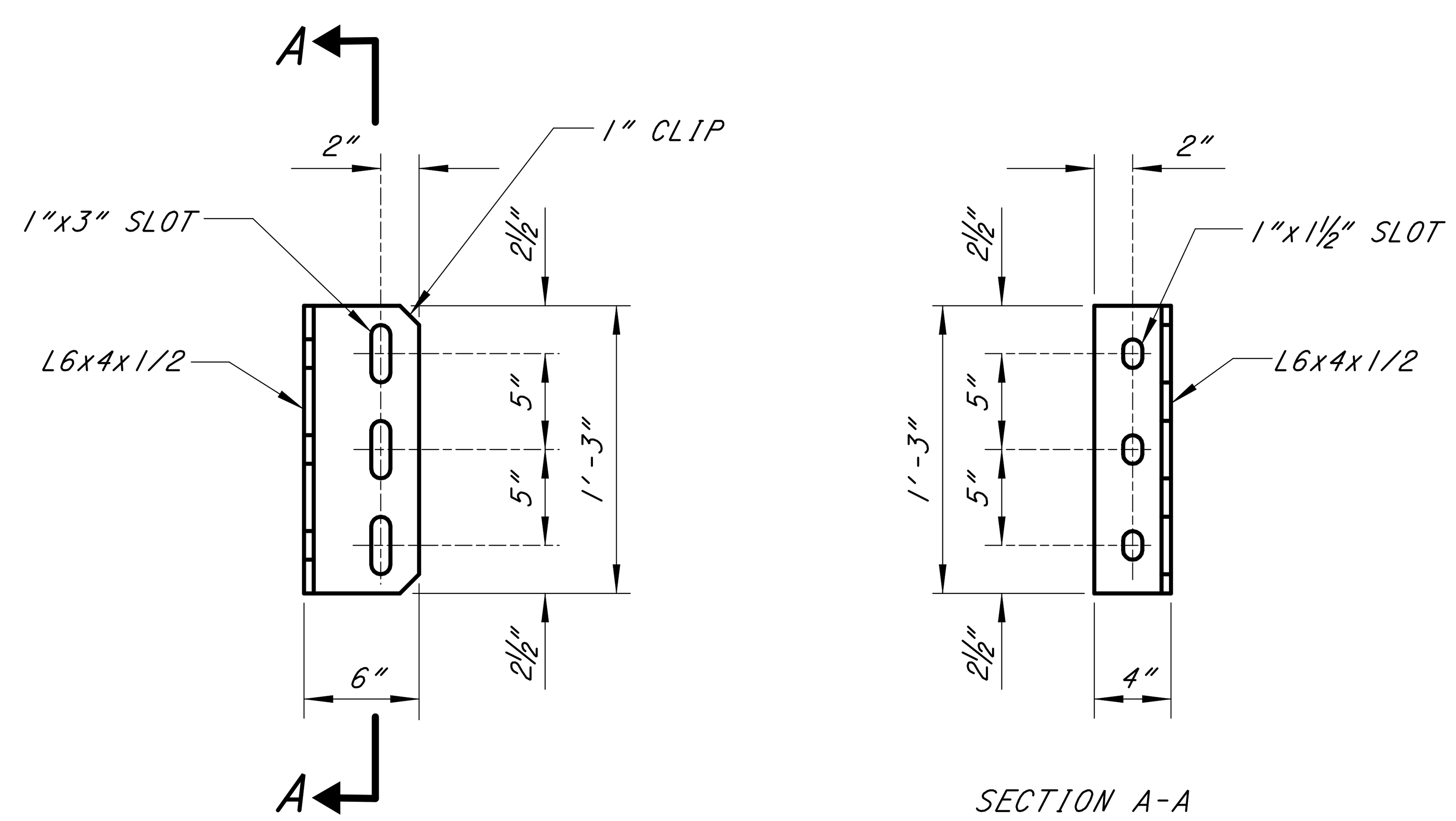
BOLTS SHALL BE ¾" DIAMETER AND MEET ASTM A325, TYPE 1.

ALL MATERIAL SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ODOT CMS 711.02.

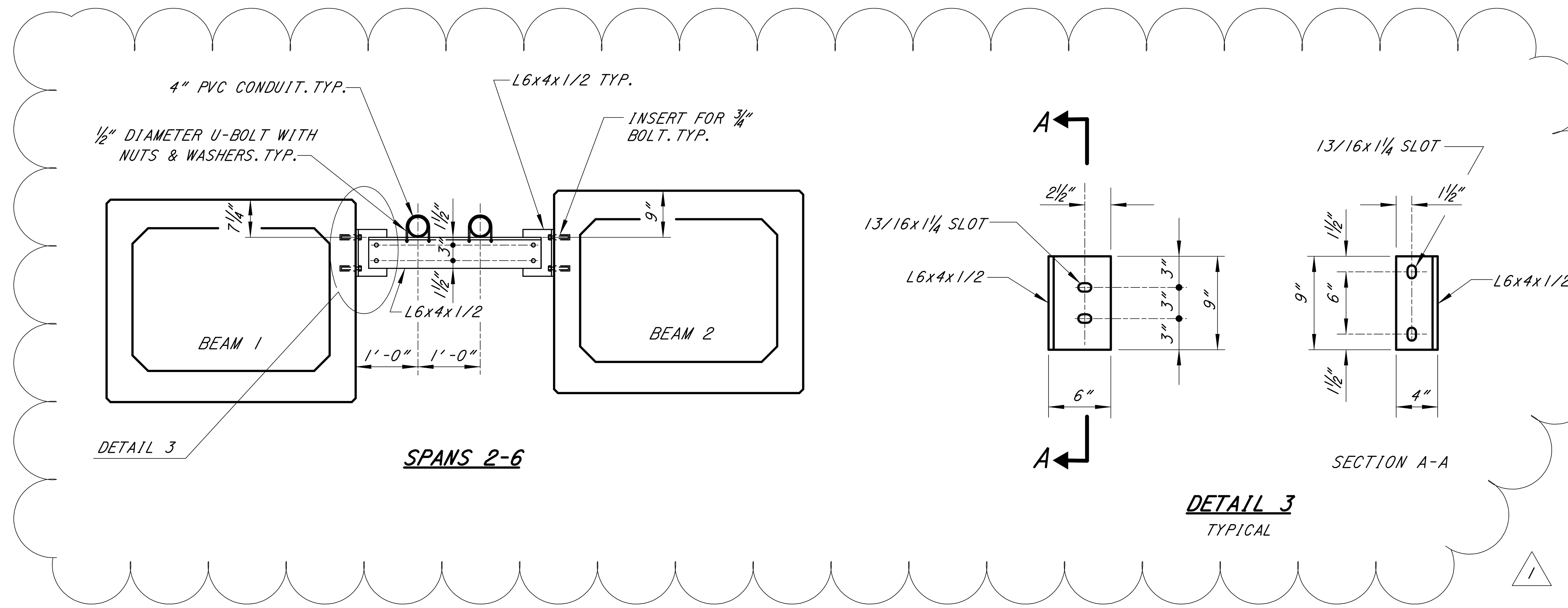
EXPANSION COUPLINGS AND STOP RINGS SHALL BE PROVIDED IN THE 4" CONDUIT AT INTERVALS NOT TO EXCEED 100 FEET.

ANGLES, U-BOLTS WITH NUTS AND WASHERS SHALL BE INCIDENTAL TO THE PRICE BID FOR THE 4" DIA. CONDUIT. THE ANCHOR BOLTS AND INSERTS SHALL BE INCIDENTAL TO THE PRICE BID FOR THE PRESTRESSED CONCRETE BRIDGE BEAM, MISC.: BOX BEAM, LEVEL 1 CB39-48.

FOR THE UTILITY CONDUITS BETWEEN BEAMS 1 AND 2, THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND FOR THE INSTALLATION OF TWO 4" CONDUITS, PIPE SUPPORTS, AND EXPANSION COUPLINGS. THE UTILITY COMPANIES WILL BEAR THE COST FOR THIS MATERIAL AND LABOR.



DETAIL 1
TYPICAL



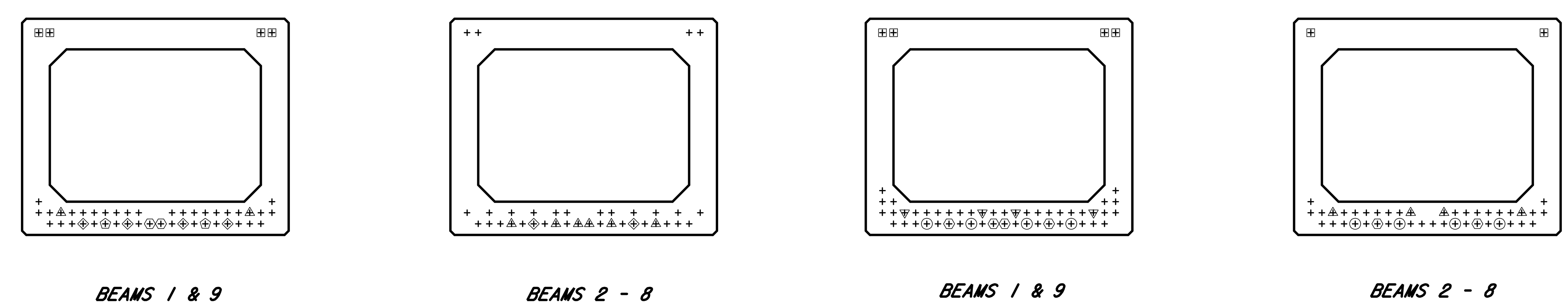
NOTES FOR INTERMDEIATE DIAPHRAGM:
STRUCTURAL STEEL SHALL MEET ASTM A709, GRADE 36.
BOLTS SHALL BE ⅞" DIAMETER AND MEET ASTM A325, TYPE 1.
ALL MATERIAL SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ODOT CMS 711.02.

NOTES FOR PRESTRESSED BOX BEAMS:

ALL ANCHOR BOLTS, STUDS, INSERTS, NUTS AND WASHERS SHALL BE GALVANIZED PER 711.02.

LIFTING INSERTS SHALL BE DESIGNED AND DETAILED BY THE FABRICATOR AND SHOWN ON THE SHOP DRAWING SUBMITTAL.

PRICE BID FOR ITEM 865, PRESTRESSED CONCRETE BRIDGE BEAM, MISC.: BOX BEAM, LEVEL 1, CB39-48 SHALL INCLUDE ALL INSERTS, ANCHOR BOLTS, LIFTING INSERTS, AND ALL OTHER MATERIAL AND LABOR REQUIRED FOR FABRICATION AND ERECTION OF THE BEAMS.



SPANS 1 & 6 — SPANS 2 - 5

◇ DEBOND STRAND 5'-0" FROM EACH END
△ DEBOND STRAND 10'-0" FROM EACH END
○ DEBOND STRAND 15'-0" FROM EACH END
⬠ DEBOND STRAND 20'-0" FROM EACH END
○ DEBOND STRAND 25'-0" FROM EACH END
▽ DEBOND STRAND 35'-0" FROM EACH END
□ CUT STRAND 30'-0" FROM EACH END AND DEBOND BETWEEN CUTS

DEBONDED STRAND LOCATIONS

NUMBER	REVISION	DATE	BY
1	CONDUIT SUPPORT DETAILS ADDED	10/18/02	WJH

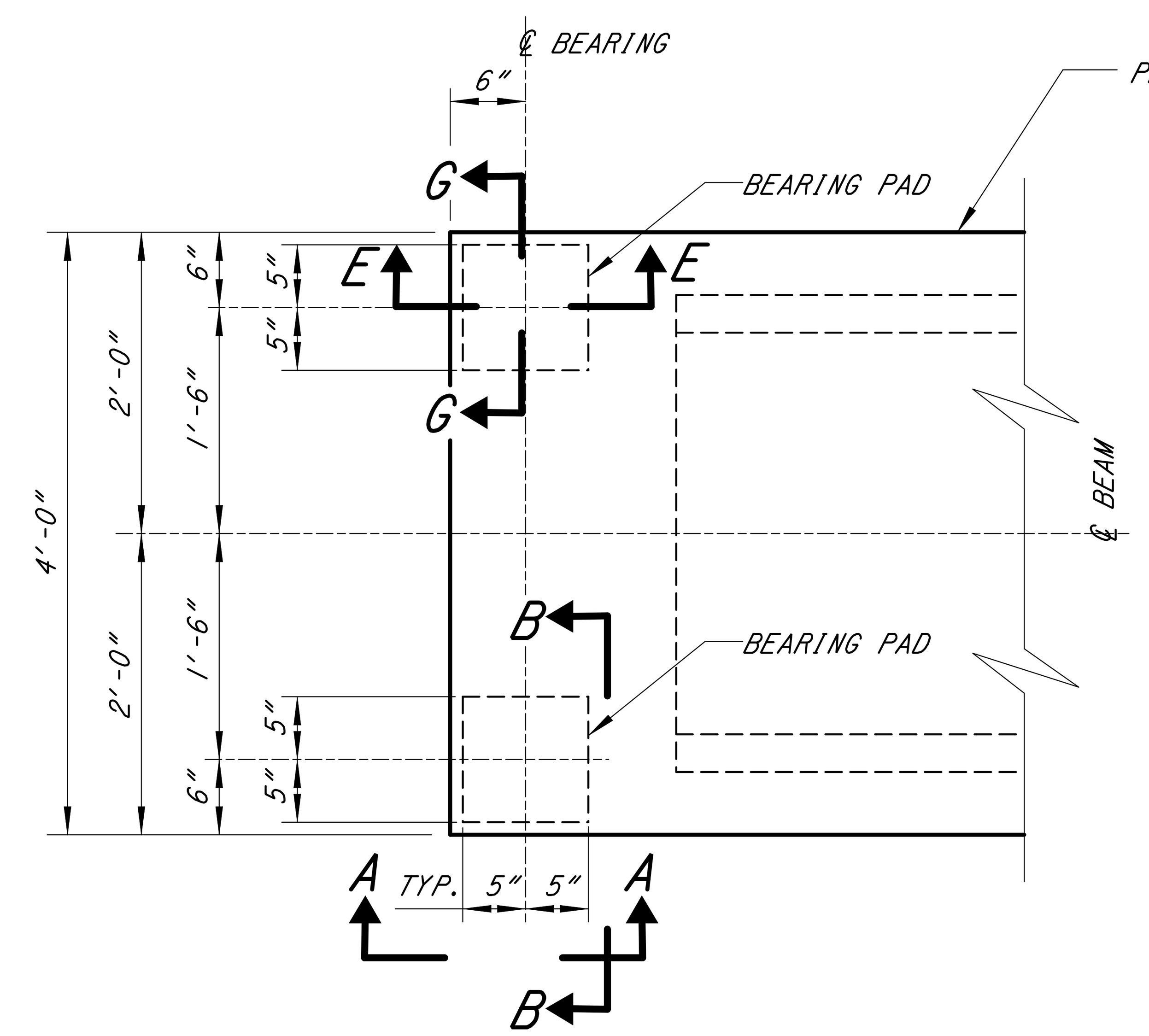
DESIGN AGENCY: BALKE ENGINEERS, 1848 Summit Road, Cincinnati, Ohio 45237

DESIGNED	DRAWN	REVIEWED	DATE
MPS	WJH	CPS	06/02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
FKL	—	5300916(OH)/10385(WV)	

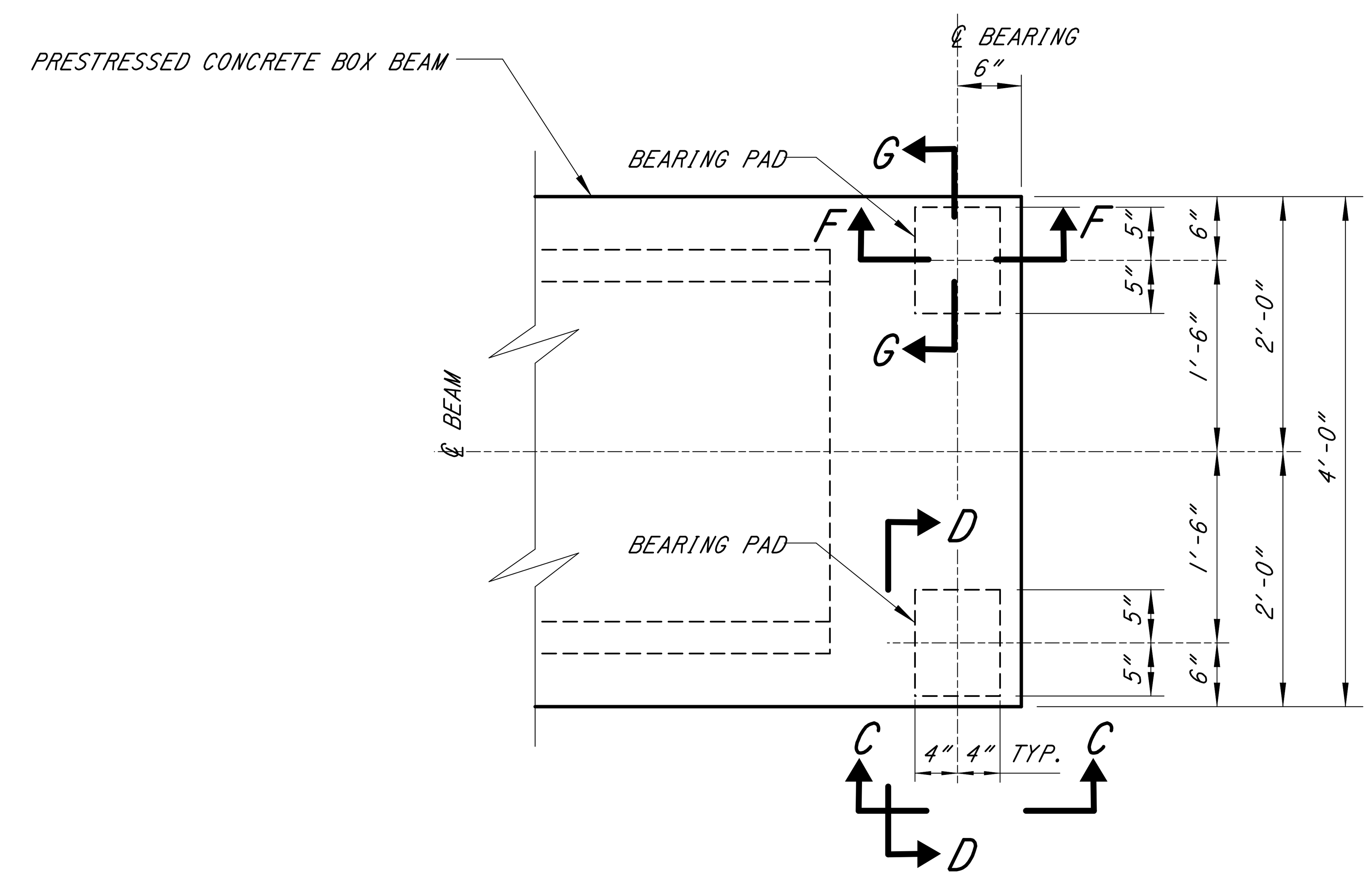
FRAMING PLAN DETAILS WEST VIRGINIA APPROACH
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER THE OHIO RIVER

MEG-33-15.70

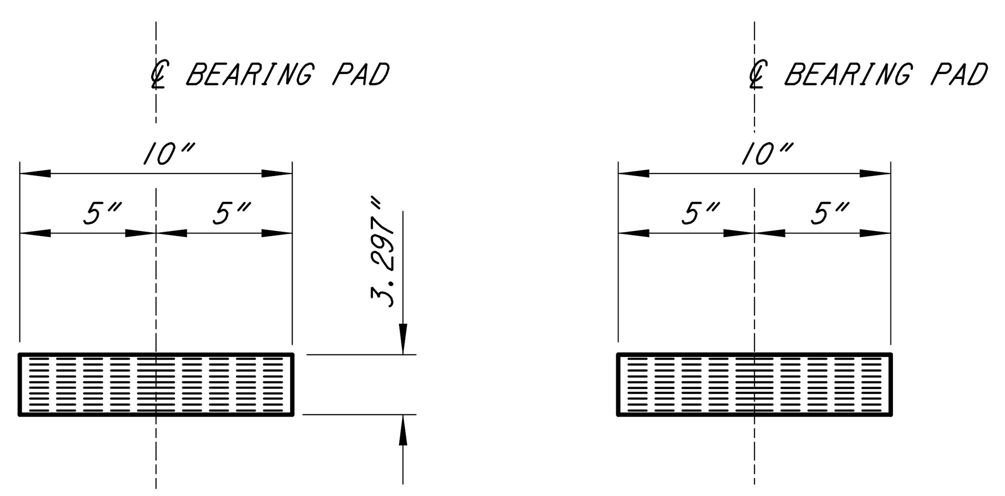
Filename: mp833pj3.dgn



PLAN



PLAN



SECTION A-A

SECTION B-B

THICKNESS OF EXTERNAL ELASTOMER = 0.150"
(2 REQUIRED)

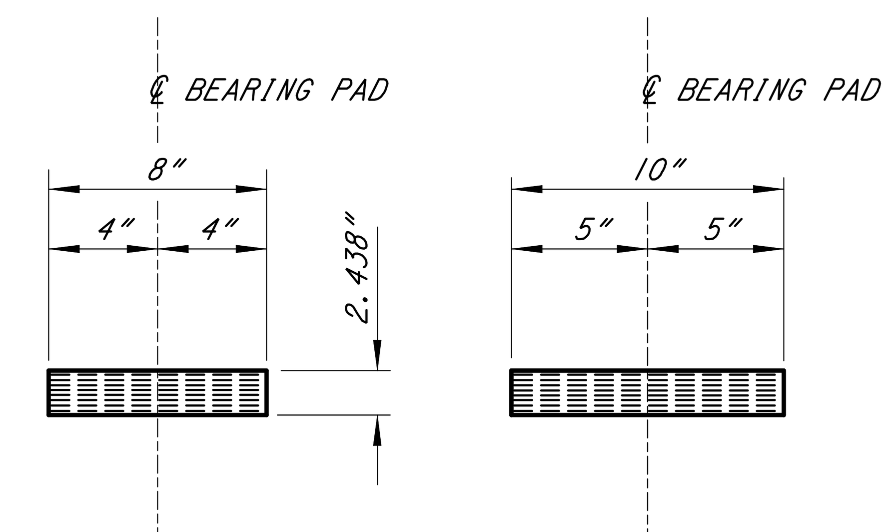
THICKNESS OF INTERNAL ELASTOMER = 0.250"
(9 REQUIRED)

INTERNAL STEEL LAMINATE THICKNESS = 0.0747" (14 GAGE)
(10 REQUIRED)

D.L. = 48 ^{k}
L.L. = 20 ^{k}
TOTAL = 68 ^{k}

BEARING DETAILS
ABUTMENT 1 & PIER 6

LOCATION	DIM. A
REAR ABUT.	½"
PIER 1	¾"
PIER 2	⅞"
PIER 3	¾"
PIER 4	⅝"
PIER 5	½"
PIER 6	½"



SECTION C-C

SECTION D-D

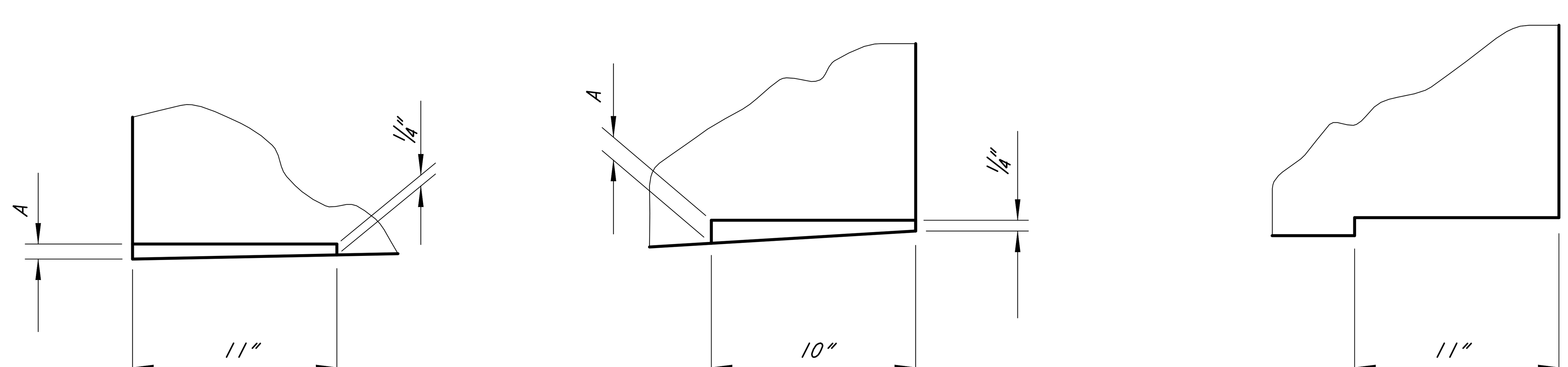
THICKNESS OF EXTERNAL ELASTOMER = 0.150"
(2 REQUIRED)

THICKNESS OF INTERNAL ELASTOMER = 0.220"
(7 REQUIRED)

INTERNAL STEEL LAMINATE THICKNESS = 0.0747" (14 GAGE)
(8 REQUIRED)

D.L. = 50 ^{k}
L.L. = 17 ^{k}
TOTAL = 67 ^{k}

BEARING DETAILS
PIER 1 THRU PIER 5



SECTION E-E
(OPPOSITE END SIMILAR)

SECTION F-F
(OPPOSITE END SIMILAR)

SECTION G-G

NOTCH DETAILS

NOTES:

1. BASIS OF PAYMENT: THE UNIT BID PRICE SHALL INCLUDE ALL MATERIALS, LABOR, TESTING AND INCIDENTALS NECESSARY TO FURNISH AND INSTALL LAMINATED ELASTOMERIC BEARINGS, EITHER FIXED OR EXPANSION. PAYMENT WILL BE MADE AT THE CONTRACT PRICE FOR ITEM 516, EACH, ELASTOMERIC BEARINGS WITH INTERNAL LAMINATES (NEOPRENE).
2. ELASTOMERIC BEARINGS SHALL COMPLY WITH ITEM 516 AND AASHTO STANDARD SPECIFICATION FOR HIGHWAY BRIDGES, SECTION 18, BEARING DEVICES, DIVISION II, CONSTRUCTION, ARTICLES 18.4.5.1 AND 18.5.6.2. BEARINGS SHALL BE GRADE 3, 50 DUROMETER ELASTOMER, AND SHALL BE SUBJECTED TO THE LOAD TESTING REQUIREMENTS DEFINED IN ARTICLE 18.7.4.5 OF THE AASHTO DOCUMENT LISTED ABOVE. BEARINGS WERE DESIGNED UNDER SECTION 14.6.6 OF SECTION 14, BEARINGS, DIVISION I, DESIGN. TESTING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE BEARINGS, EACH.

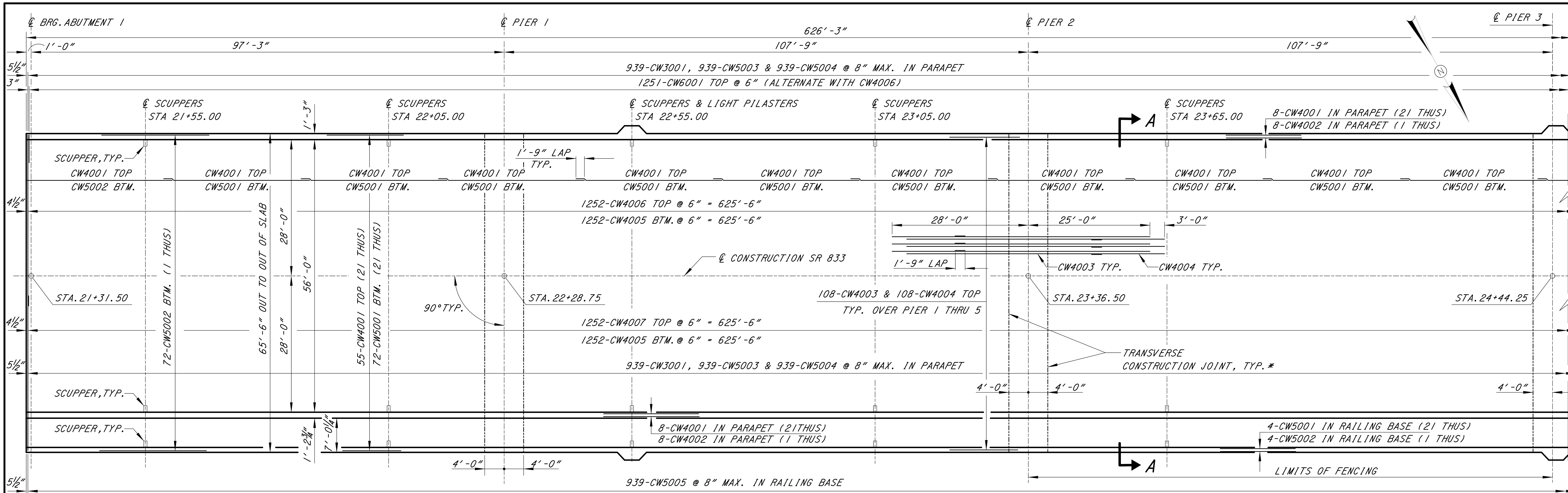
Filename: mg833md3.dgn

DESIGN AGENCY
BALKE ENGINEERS
1848 Summit Road
Cincinnati, Ohio 45237

DESIGNED	DRAWN	REVIEWED	DATE
MPS	WJH	CPS	06/02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
FKL	—	5300916(OH)/10385(WV)	

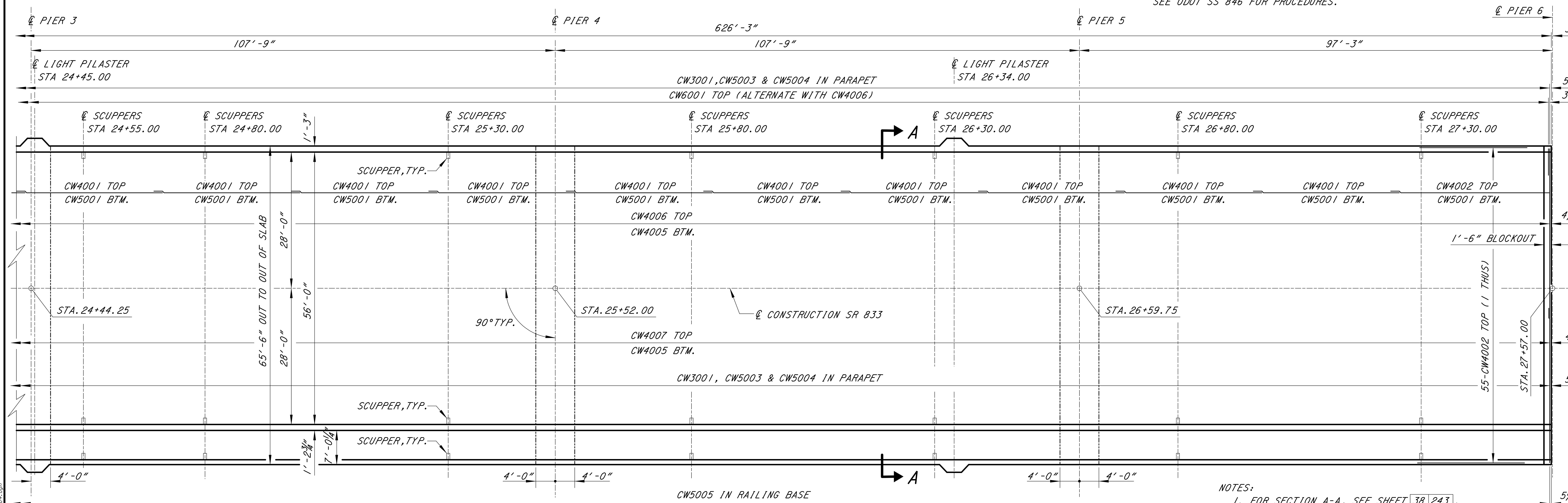
BEARING DETAILS WEST VIRGINIA APPROACH
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER THE OHIO RIVER

MEG-33-15.70



DECK PLAN

*SEAL CONSTRUCTION JOINTS WITH HIGH MOLECULAR WEIGHT METHACRYLATE RESIN, 2'-0" WIDE, CENTERED ON JOINT. SEE ODOT SS 846 FOR PROCEDURES.



DECK PLAN

NOTES:
1. FOR SECTION A-A, SEE SHEET 38/243.
2. FOR NOTES, SEE SHEET 39/243.
3. FOR SCUPPER & PILASTER DETAILS, SEE SHEET 40/243.
4. FOR POUR SEQUENCE, SEE SHEET 39/243.

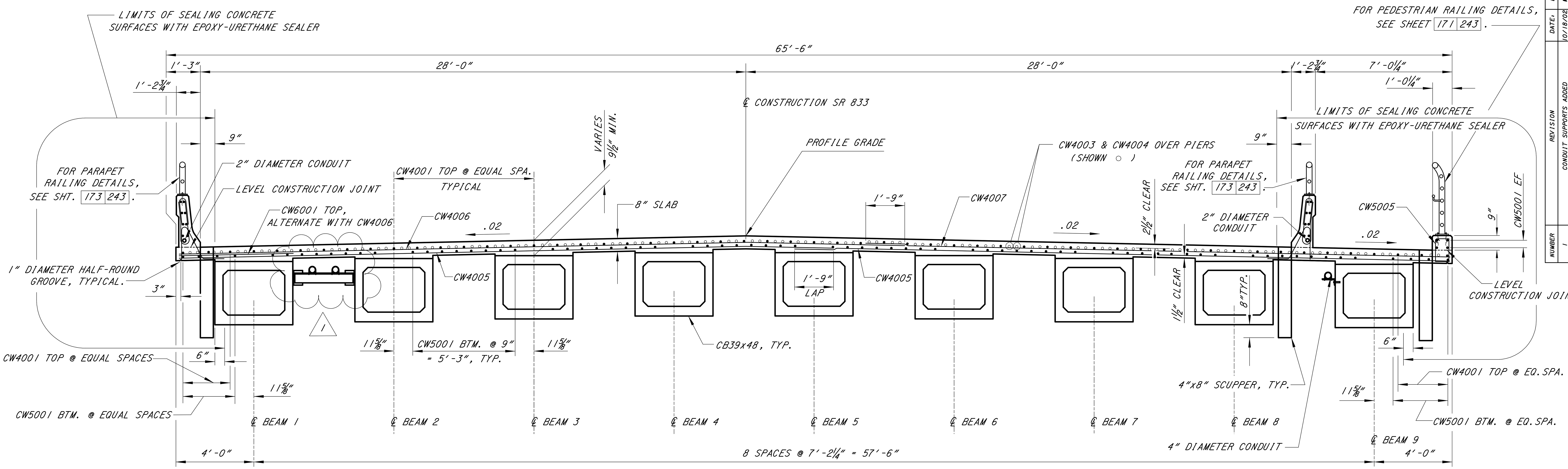
Filename: mp833d4.dgn

DESIGN AGENCY
BALKE ENGINEERS
1848 Summit Road
Cincinnati, Ohio 45237

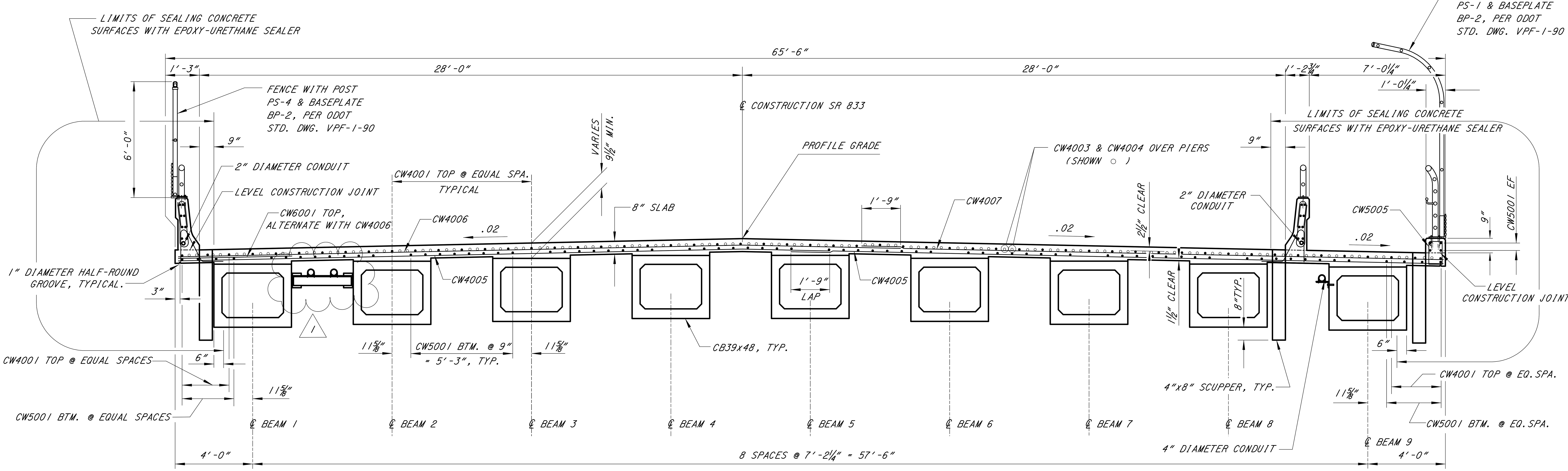
DESIGNED	DRAWN	REVIEWED	DATE
MPS	WJH	CRS	06/02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
FKL	—	5300916(OH)/10385(WV)	

DECK PLAN WEST VIRGINIA APPROACH
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER THE OHIO RIVER

MEG-33-15.70



SECTION A-A
(SPANS 1, 2, 4, 5, & 6)



SECTION A-A
(SPAN 3)

NOTES:
1. FOR NOTES, SEE SHEET 39 243.
2. FOR PARAPET AND RAILING PLINTH DETAILS, SEE SHEET 39 243.

NUMBER	REVISION	DATE	BY
1	CONDUIT SUPPORTS ADDED	10/18/02	MRS

DESIGN AGENCY: **BALKE ENGINEERS**, 1848 Summit Road, Cincinnati, Ohio 45237

DESIGNED	DRAWN	REVIEWED	DATE
MRS	WJH	CPS	06/02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
FKL	—	5300916(OH)/10385(WV)	

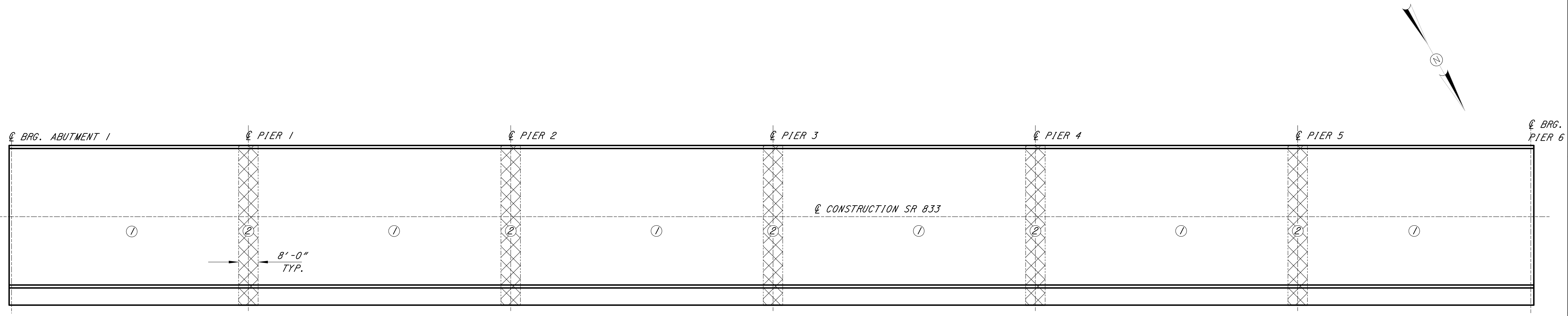
DECK DETAILS WEST VIRGINIA APPROACH
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER THE OHIO RIVER

MEG-33-15.70

38 / 243

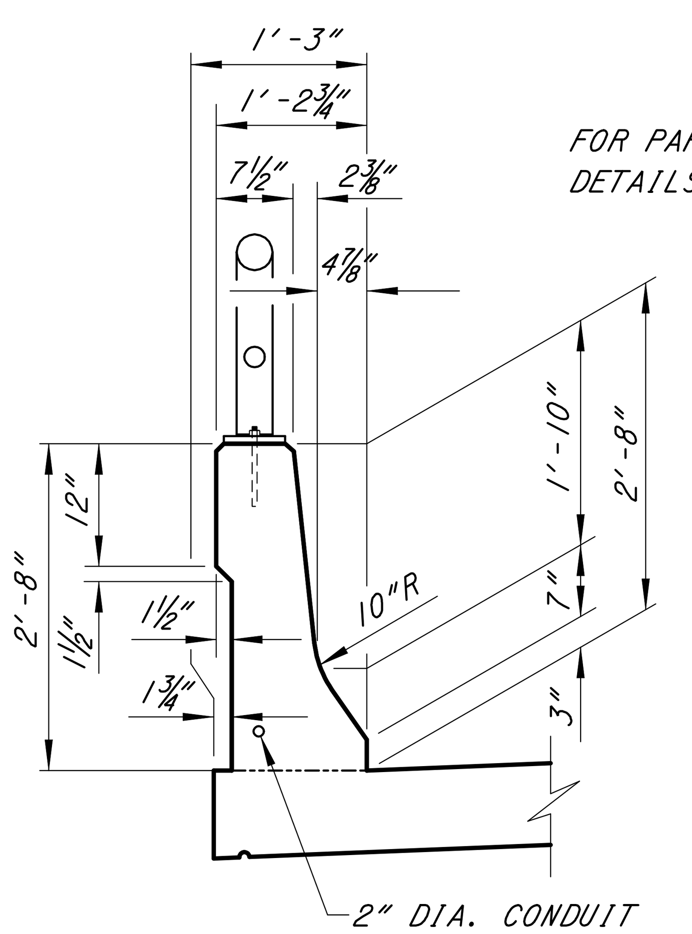
368 / 582

Filename: mp833lcl.dgn



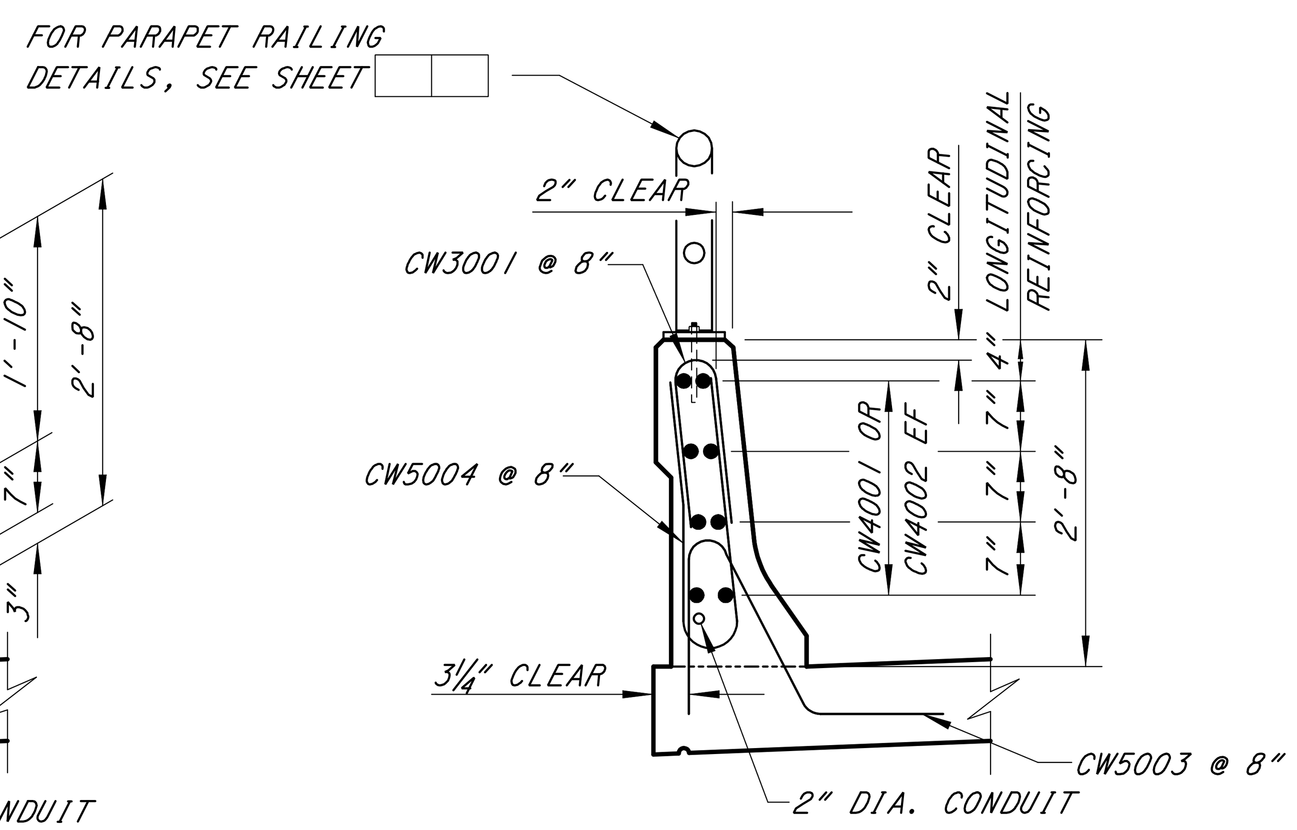
DECK POUR SEQUENCE

NOTE:
NO CONCRETE SHALL BE PLACED IN REGION 2 UNTIL CONCRETE IN ADJACENT SPANS HAS BEEN PLACED



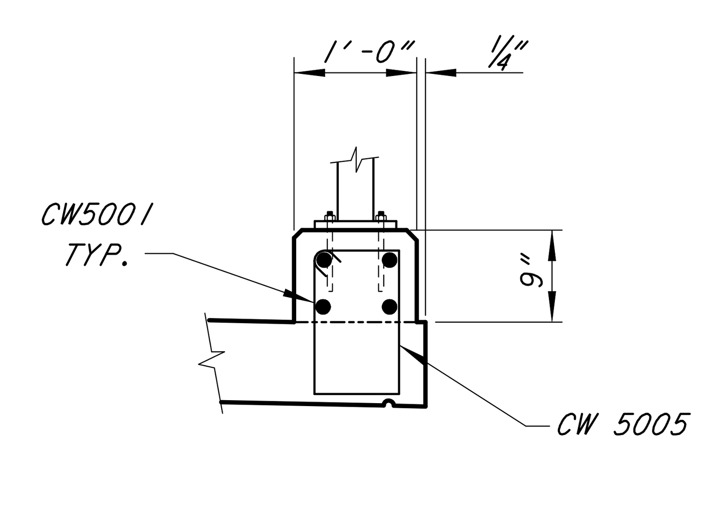
PARAPET DETAIL

TYPICAL



PARAPET REBARS

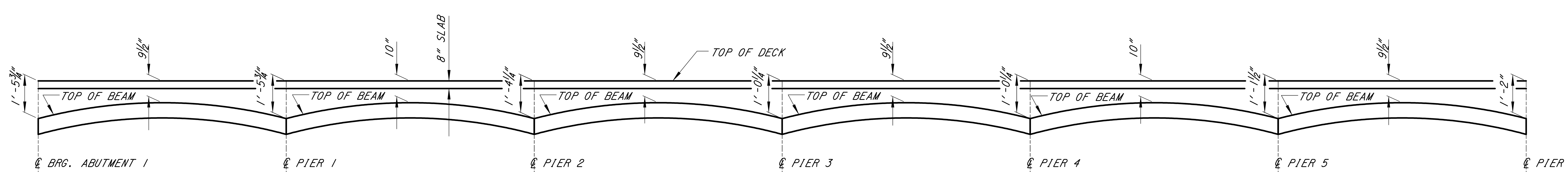
TYPICAL



RAILING PLINTH DETAIL

NOTES:

1. INTERMEDIATE DIAPHRAGMS: THE PLACEMENT OF DECK CONCRETE SHALL NOT PROCEED UNTIL ALL INTERMEDIATE DIAPHRAGMS HAVE BEEN PROPERLY INSTALLED.
2. THE TOPPING THICKNESSES SHOWN ARE NOMINAL DIMENSIONS. THE PAY QUANTITY FOR DECK CONCRETE SHALL BE BASED ON THE DESIGN SLAB THICKNESS AND THE AVERAGE OF THE NOMINAL HAUNCH DEPTHS AT MID-SPAN AND AT THE BEAM BEARINGS. THE HAUNCH DEPTH ARE THE TOPPING THICKNESS MINUS THE DESIGN SLAB THICKNESS. DEVIATION FROM THIS AVERAGE MAY OCCUR BECAUSE THE TOP OF THE BEAM MAY NOT HAVE THE CAMBER ANTICIPATED BY DESIGN DUE TO CONTRACTOR'S TIME OF ERECTION, MIX DESIGN, AND OTHER FABRICATION FACTORS. ONCE ALL BEAMS ARE SET IN THEIR FINAL POSITION, THE CONTRACTOR SHALL RECORD THE TOP OF BEAM ELEVATIONS AT EACH BEARING AND AT MID-SPAN. THE ACTUAL CAMBER FOR EACH MEMBER SHALL BE THE MEASURED ELEVATION AT MID-SPAN MINUS THE AVERAGE ELEVATION AT EACH BEARING. THE ACTUAL HAUNCH DEPTH AT MID-SPAN SHALL BE THE NOMINAL DIMENSION PLUS OR MINUS THE DIFFERENCE BETWEEN THE ACTUAL AND ANTICIPATED CAMBER.
3. SEAL DECK CONSTRUCTION JOINTS WITH HIGH MOLECULAR WEIGHT METHACRYLATE RESIN, 2'-0" WIDE, CENTERED ON THE JOINT. SEE ODOT SUPPLEMENTAL SPECIFICATION 846 FOR APPLICATION PROCEDURES.
4. ALL ANCHOR BOLTS FOR FENCE SHALL BE CAST-IN-PLACE.
5. THE LAST SET OF LONGITUDINAL DECK BARS (CW4002 TOP, CW5001 BOTTOM) AT PIER 6, SHALL BE PROVIDED WITH MECHANICAL COUPLERS AS SHOWN IN SECTION B-B ON SHEET 41 / 243.



LONGITUDINAL SECTION THROUGH DECK

(ANTICIPATED DECK + HAUNCH THICKNESS)

DESIGN AGENCY
BALKE ENGINEERS
1848 Summit Road
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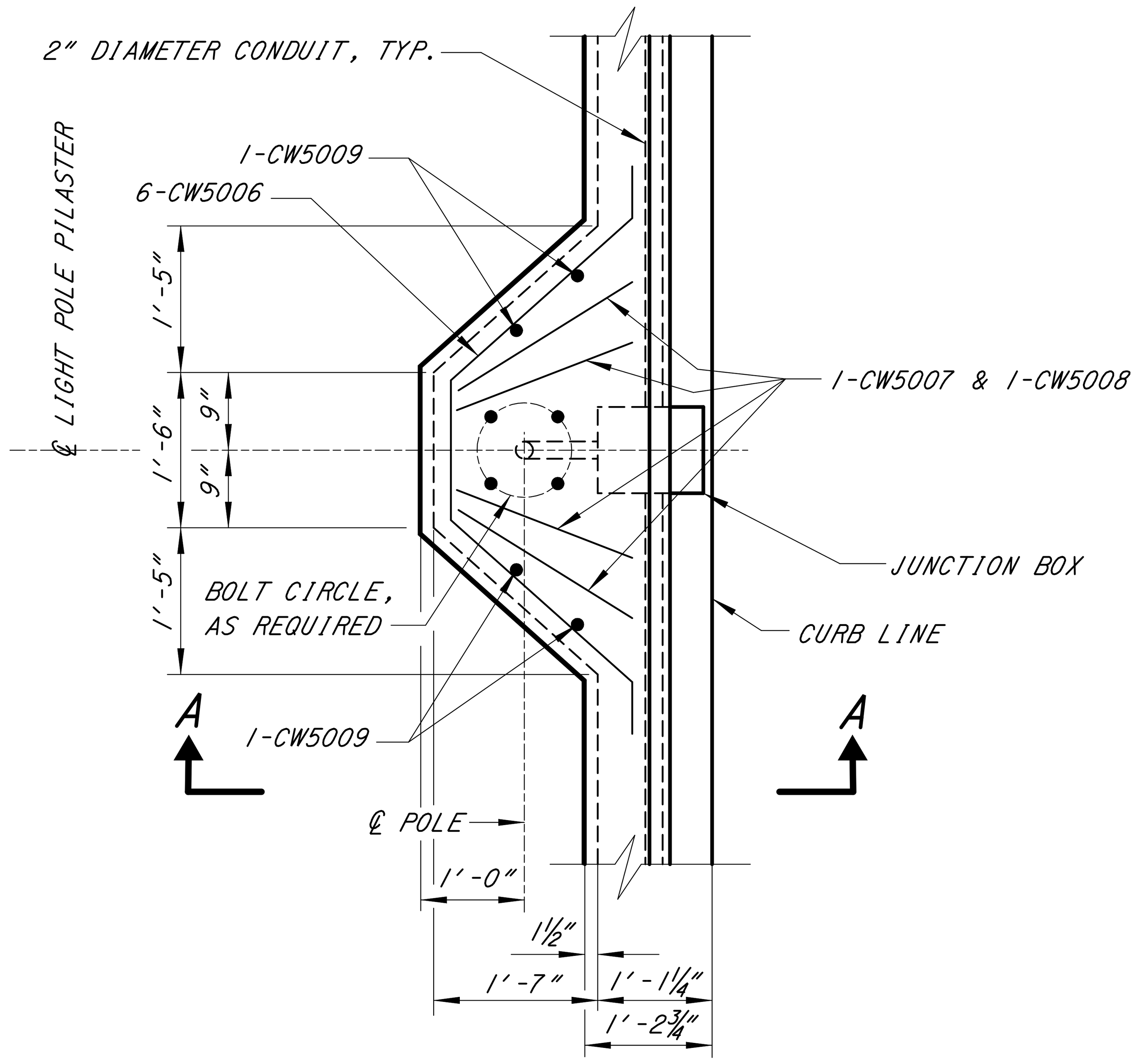
FKL	—	5300916(OH)/1038S(WV)	

DECK DETAILS WEST VIRGINIA APPROACH
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER THE OHIO RIVER

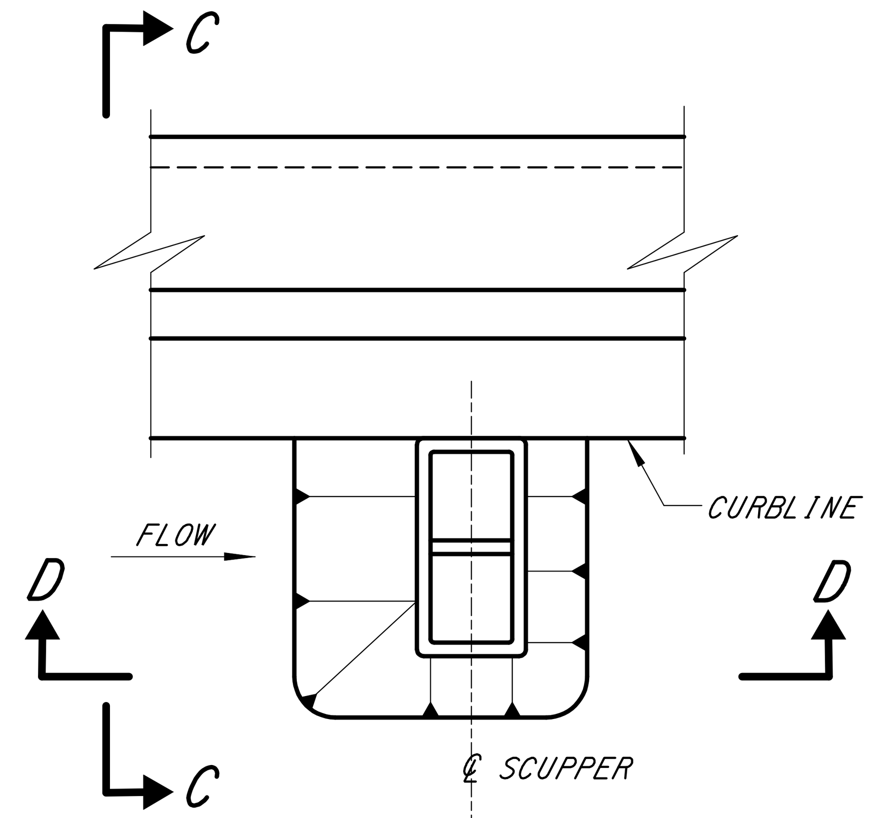
MEG-33-15.70

Filename: mp833sd5.dgn



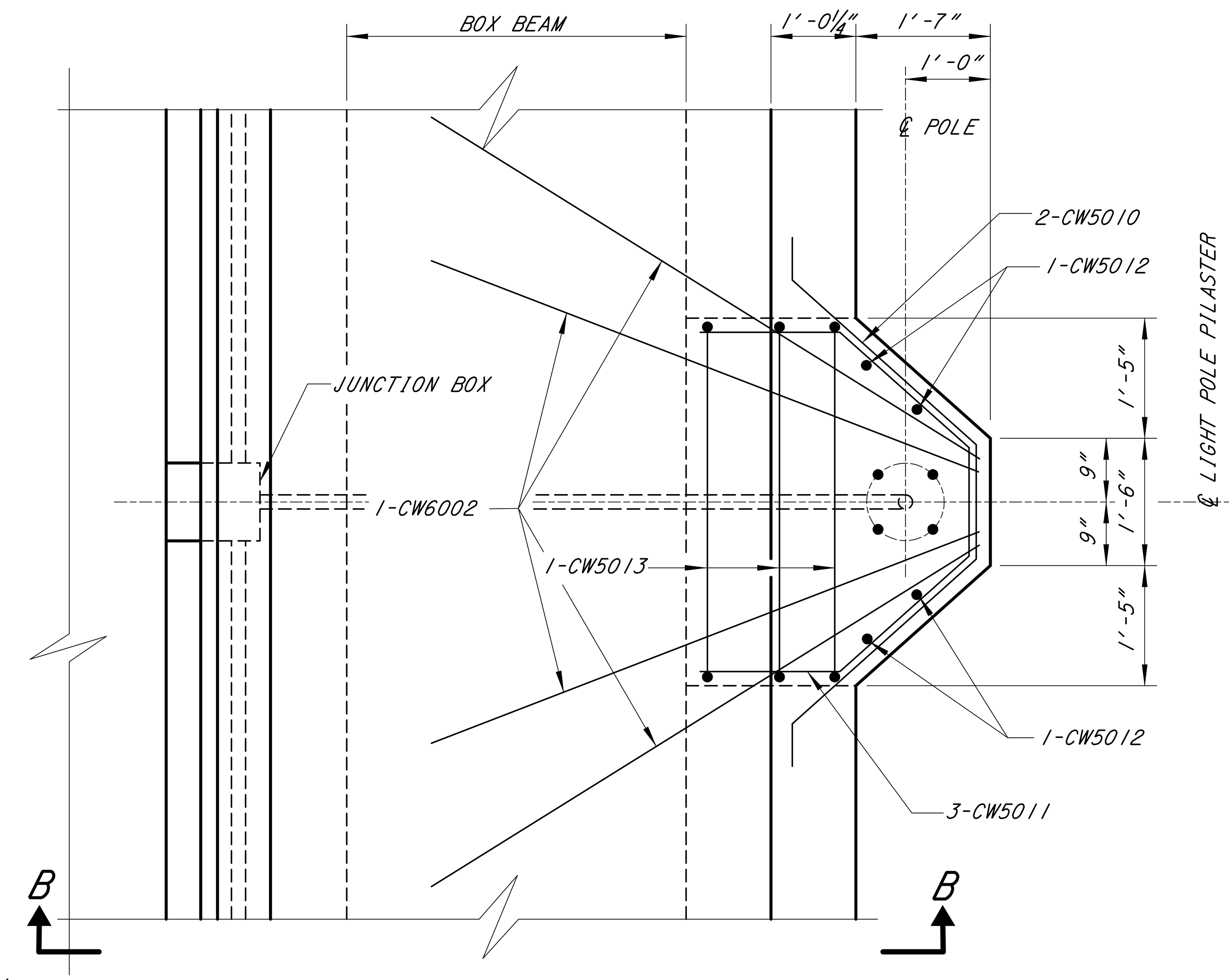
LIGHT POLE PILASTER DETAIL 1

TYPICAL 3 PLACES



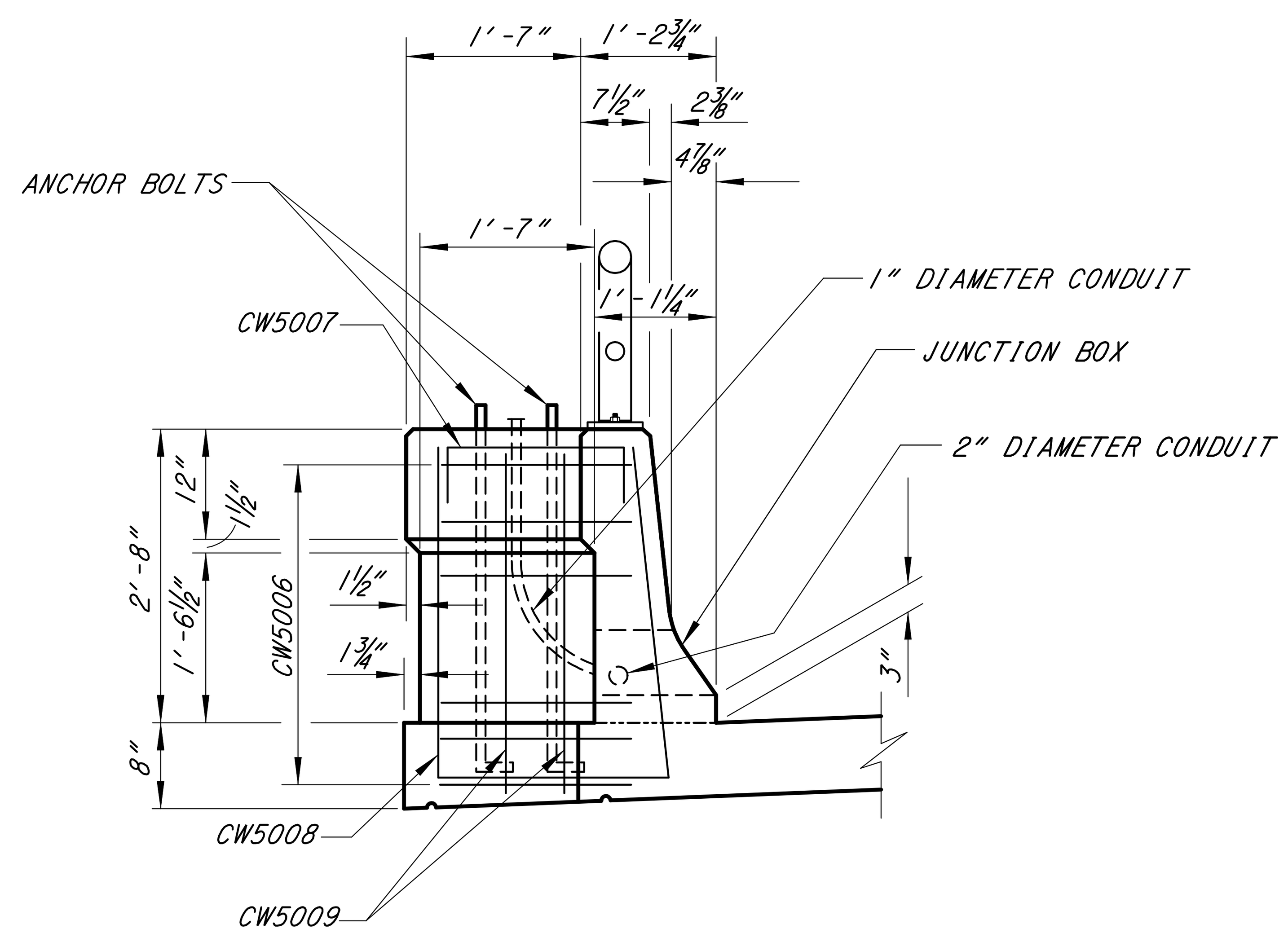
PLAN

SCUPPER DETAIL

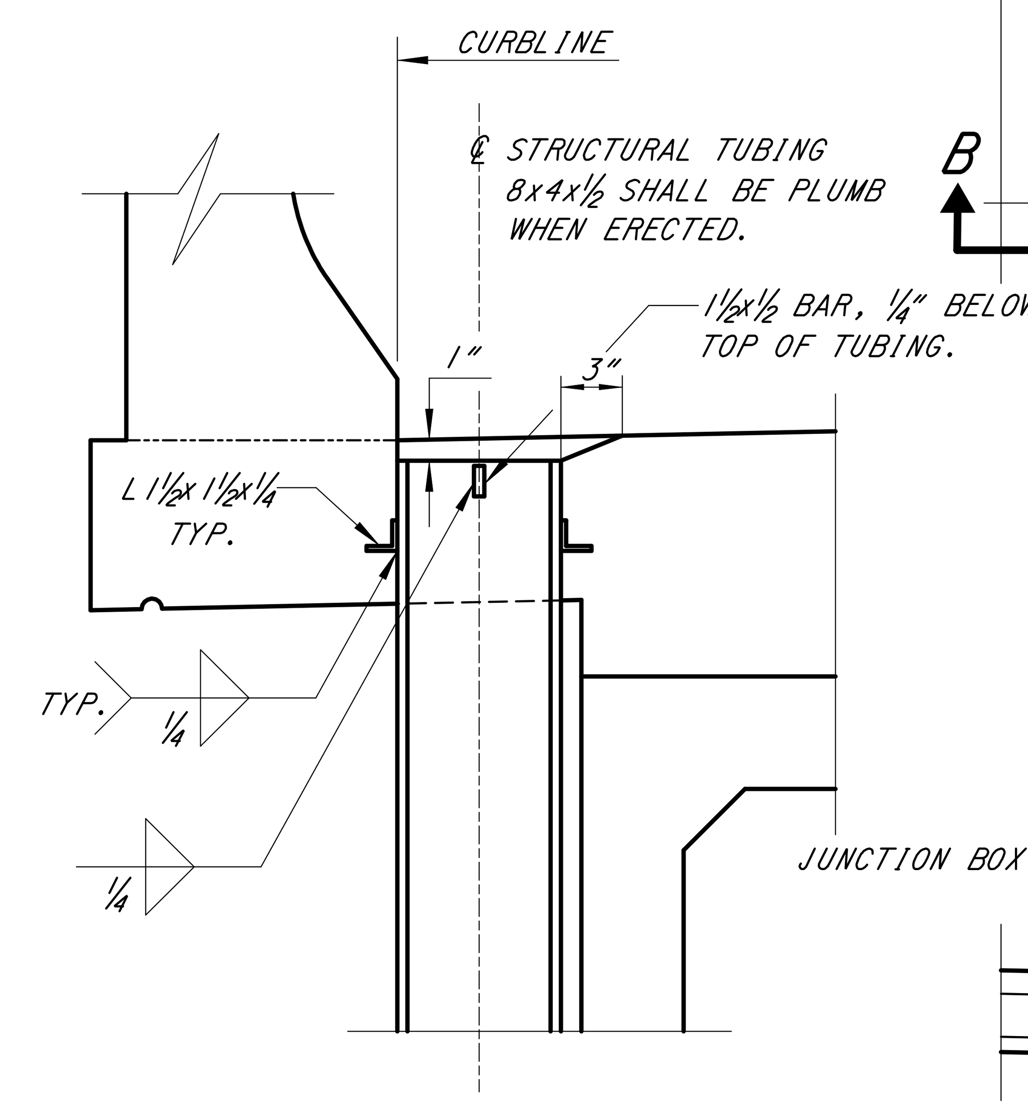


LIGHT POLE PILASTER DETAIL 2

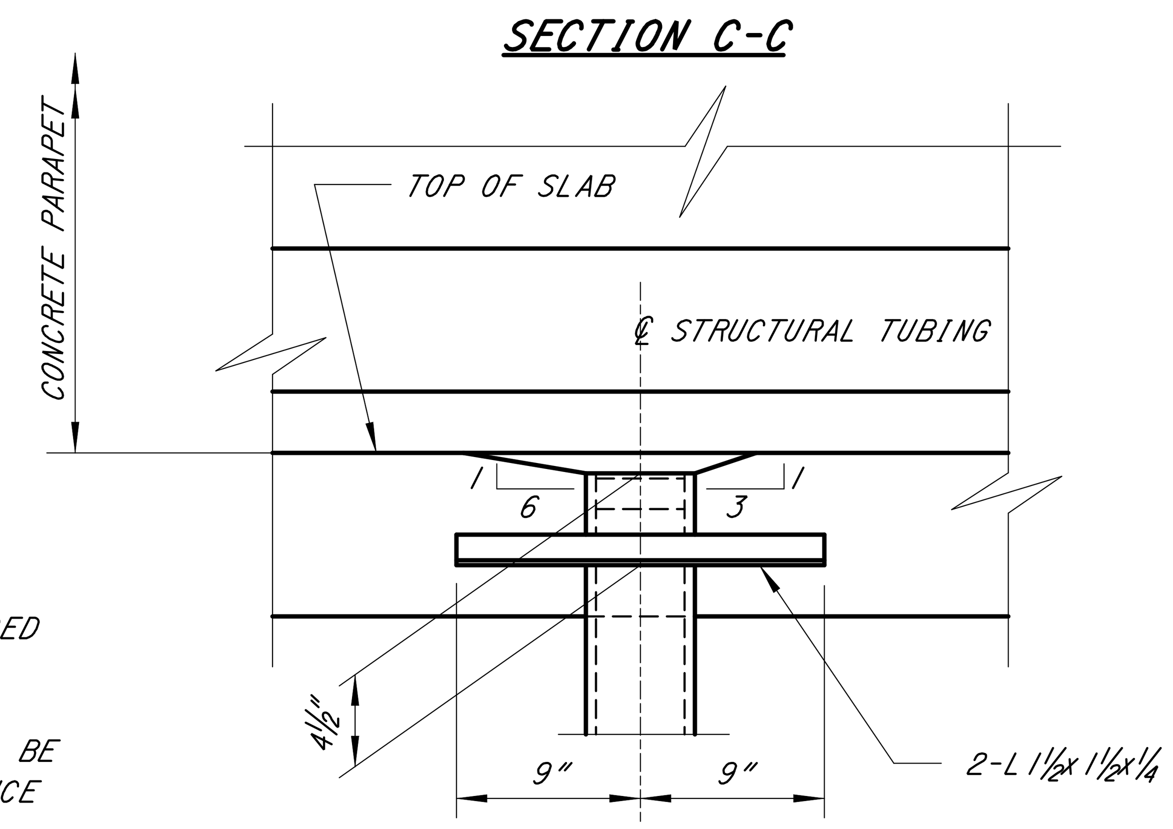
TYPICAL 3 PLACES



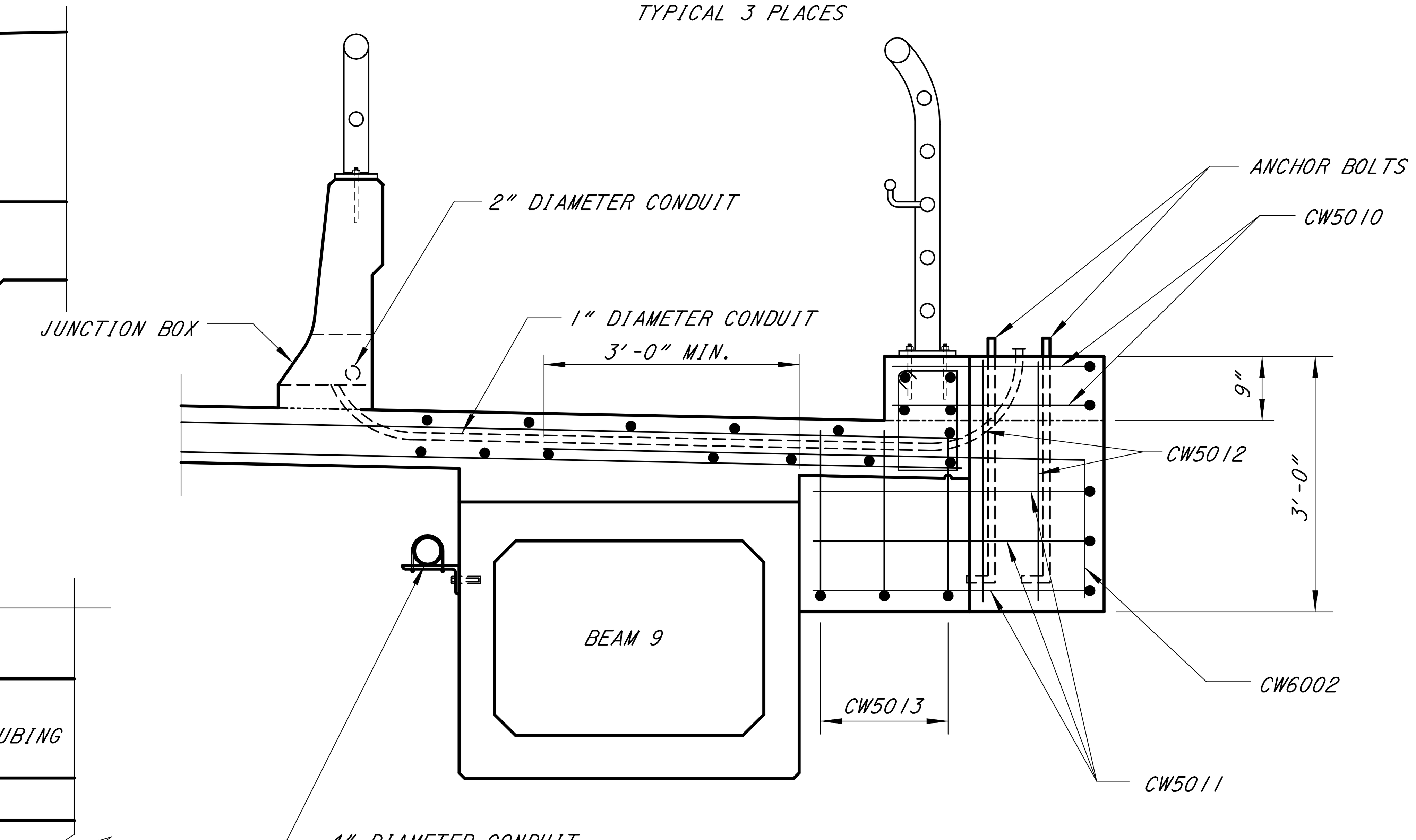
SECTION A-A



SECTION C-C



SECTION D-D



SECTION B-B

SCUPPER NOTES:

1. THE CONCRETE DECK AT THE TWO SCUPPER CORNERS OPPOSITE THE CURB LINE SHALL BE REINFORCED WITH ONE #4 BAR, 3'-0" LONG ORIENTED AT 45 DEGREES TO THE LONG AXIS OF THE SCUPPER.
2. STRUCTURAL STEEL TUBING SHALL BE ASTM A500 GRADE B OR A501. ALL OTHER MATERIAL SHALL BE ASTM A709 GRADE 50. TUBING, SUPPORT ANGLES, AND BARS SHALL BE GALVANIZED IN ACCORDANCE WITH CMS 711.02.
3. THE TOP OF THE TUBING SHALL BE CUT SQUARE.
4. MEASUREMENT AND PAYMENT IS PER ITEM 518 AND INCLUDES ALL LABOR, MATERIALS, COATINGS AND EQUIPMENT NECESSARY TO COMPLETE INSTALLATION OF THE SCUPPER.

Filename: mg83sd6.dgn

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1848 Summit Road
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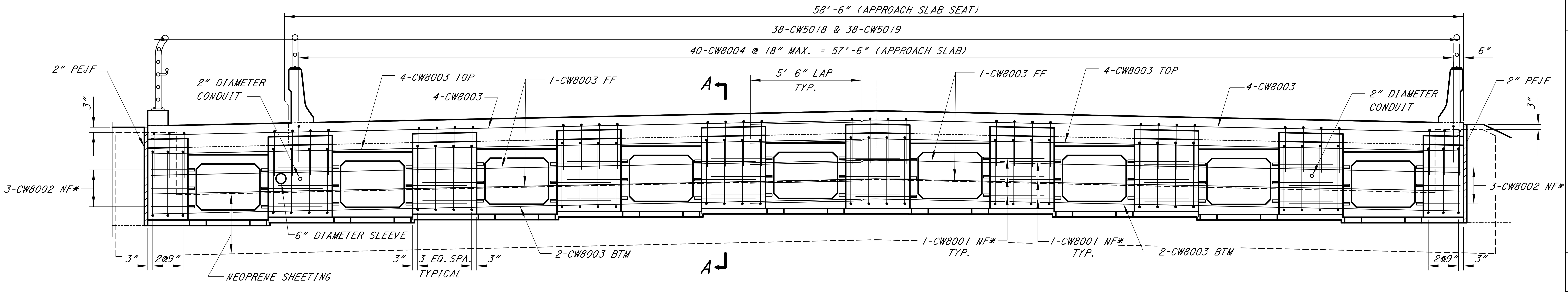
DECK DETAILS WEST VIRGINIA APPROACH

BRIDGE NO. MEG-33-1570

POMEROY MASON BRIDGE OVER THE OHIO RIVER

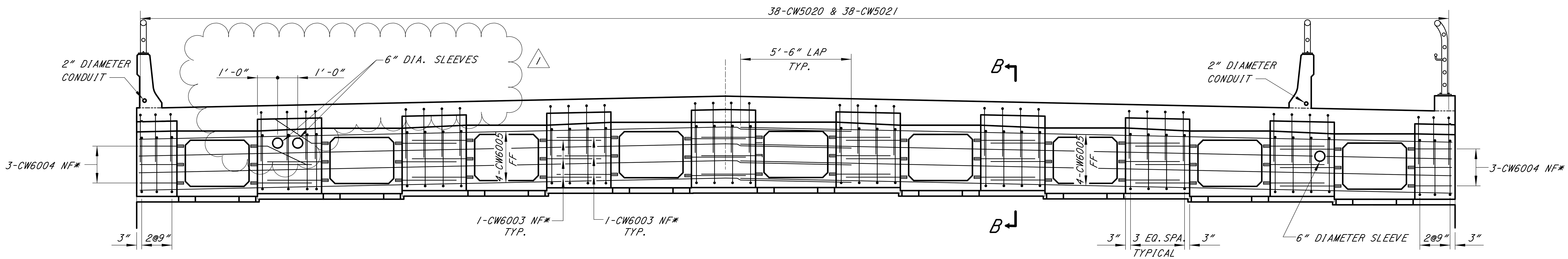
MEG-33-15.70



ABUTMENT 1 DIAPHRAGM

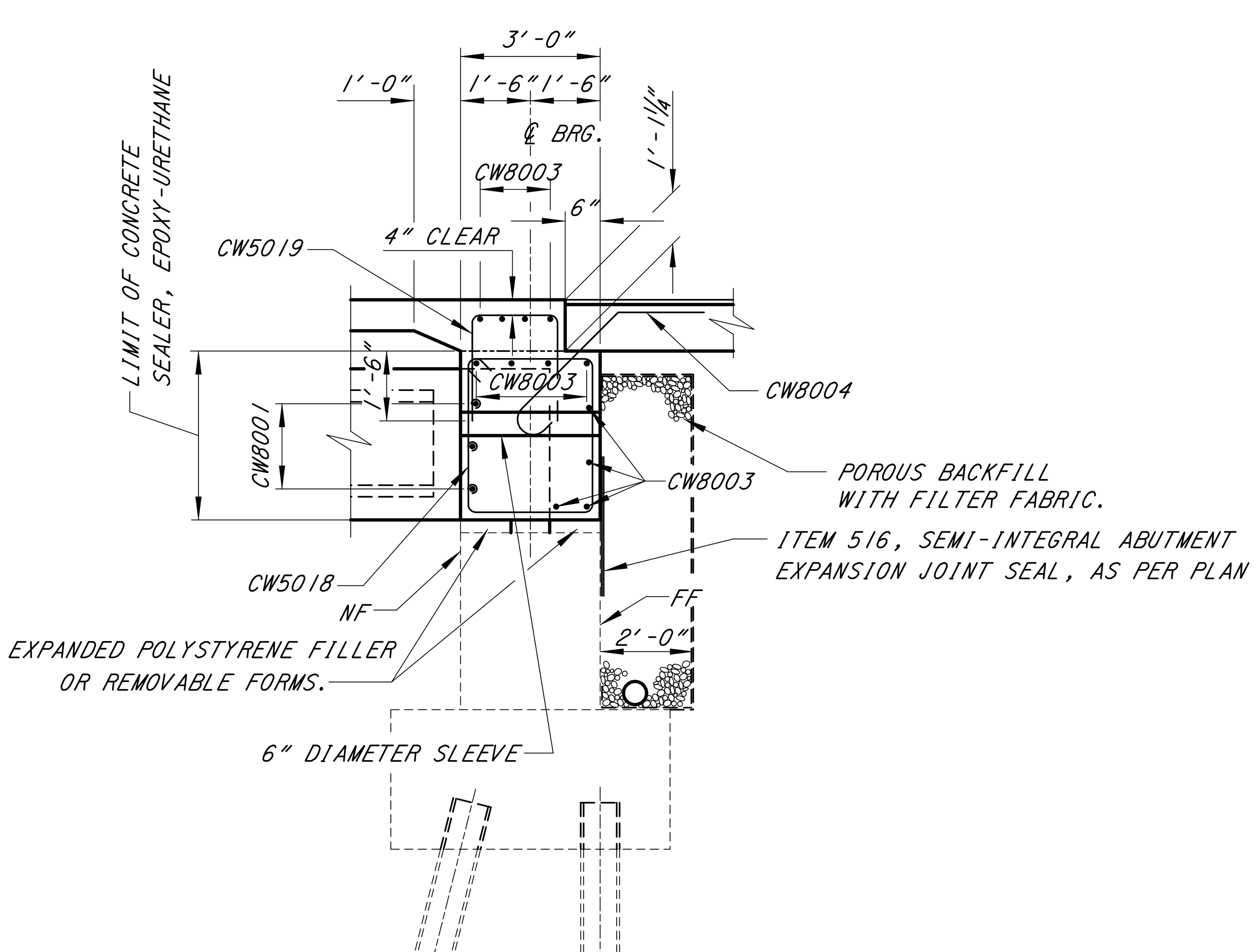
LOOKING BACK STATIONS

* THESE BARS INCLUDED WITH PRESTRESSED BOX BEAMS FOR PAYMENT

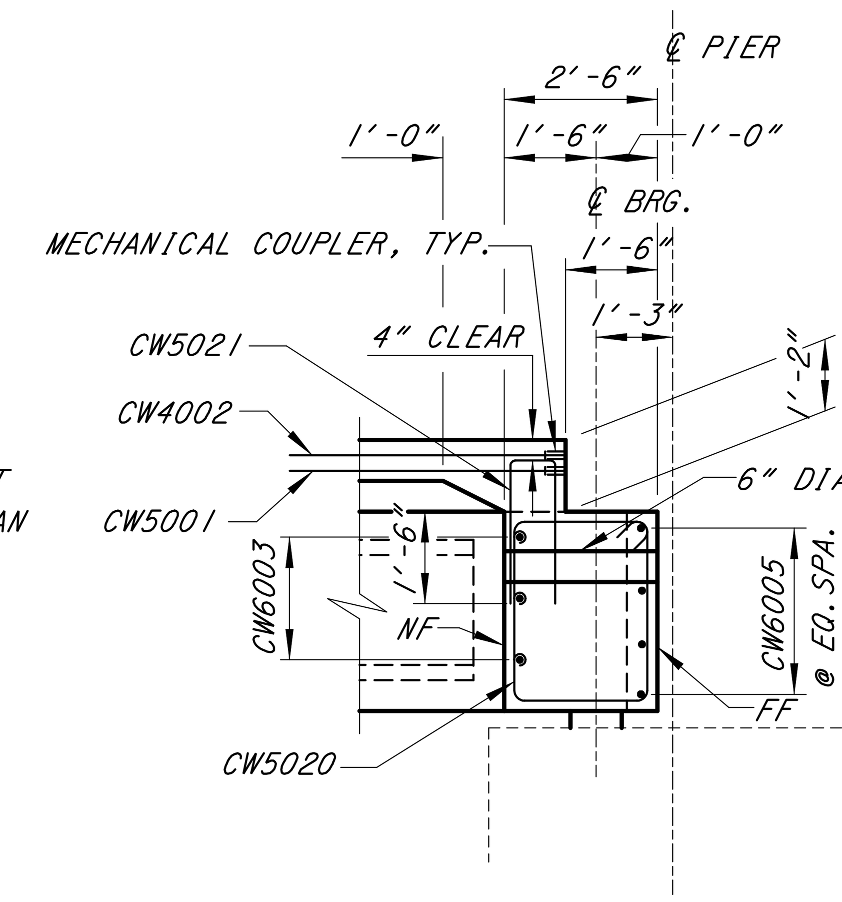


PIER 6 DIAPHRAGM

LOOKING AHEAD STATIONS



SECTION A-A



SECTION B-B

NOTES:

1. FOR ADDITIONAL DETAILS, SEE STD.DWG. SICD-1-96.
2. PEJF = PREFORMED EXPANSION JONT FILLER
   FF = FAR FACE
   NF = NEAR FACE
3. EXPANDED POLYSTYRENE FILLER TO BE INCLUDED WITH HIGH PERFORMANCE CONCRETE, SUPERSTRUCTURE (DECK) FOR PAYMENT.
4. ABUTMENT DIAPHRAGM, PRESTRESSED BOX BEAM SUPERSTRUCTURE: CONCRETE ENCASING PRESTRESSED BOX BEAM STRUCTURAL MEMBERS SUPPORTED IN SEMI-INTEGRAL AND INTEGRAL TYPE ABUTMENTS MAY BE PLACED AT LEAST 48 HOURS BEFORE THE ACTUAL DECK CONCRETE IS PLACED IF THE BRIDGE'S SKEW IS 10° OR LESS.
5. PROVIDE 6" DIA. SLEEVES THRU PIER DIAPHRAGM FOR 4" CONDUITS. FIELD BEND BARS AS NECESSARY. SLEEVES ARE INCLUDED IN PRICE BID WITH HIGH PERFORMANCE CONCRETE, SUPERSTRUCTURE FOR PAYMENT. 1

NUMBER	REVISION	DATE	BY
1	SLEEVES FOR CONDUIT ADDED	10/18/02	MRS

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BALKE ENGINEERS
1848 Summit Road
Cincinnati, Ohio 45237

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FKL	—	5300916(OH)/10385(WV)	

DIAPHRAGM DETAILS WEST VIRGINIA APPROACH

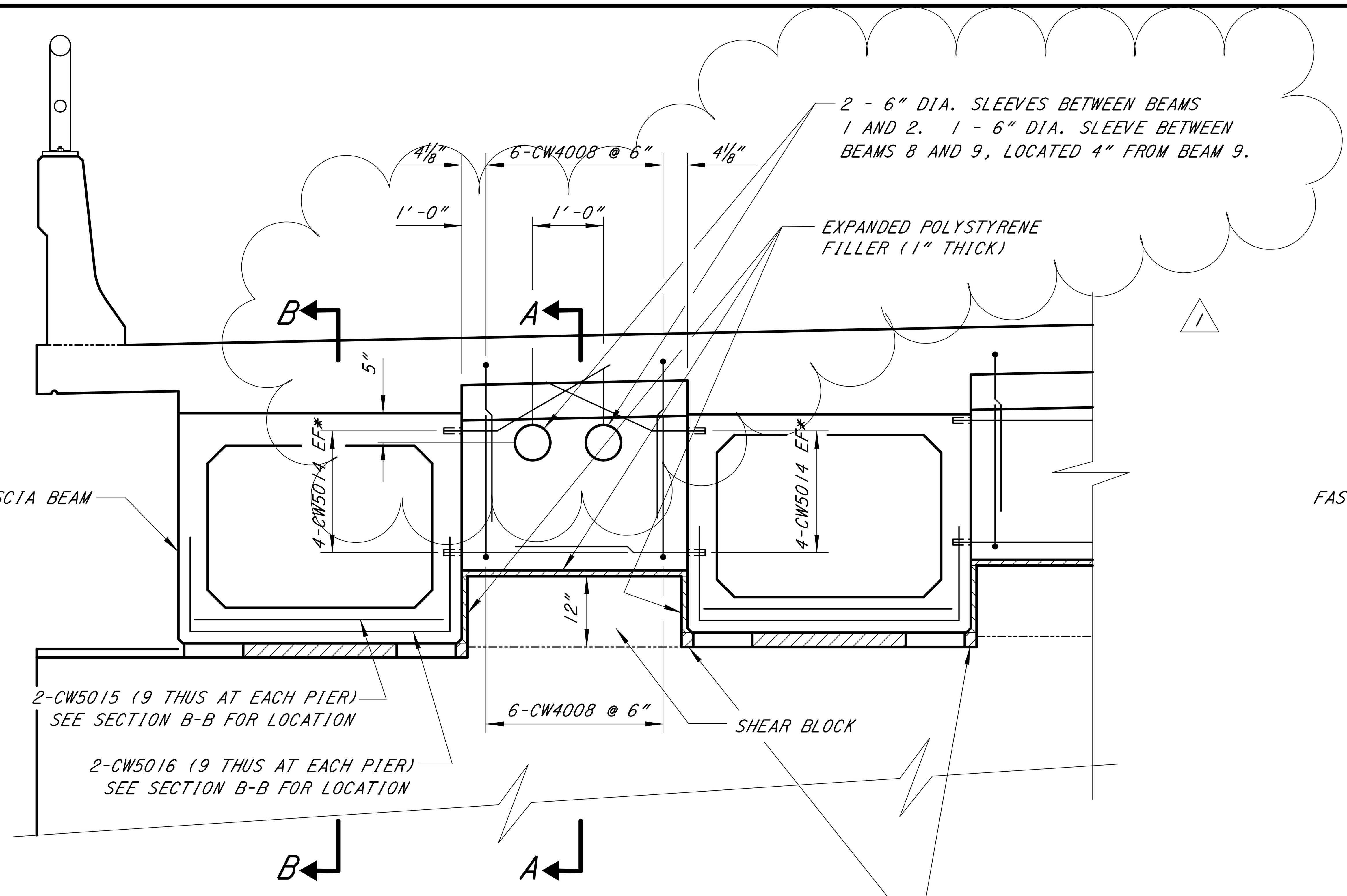
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER THE OHIO RIVER

MEG-33-15.70

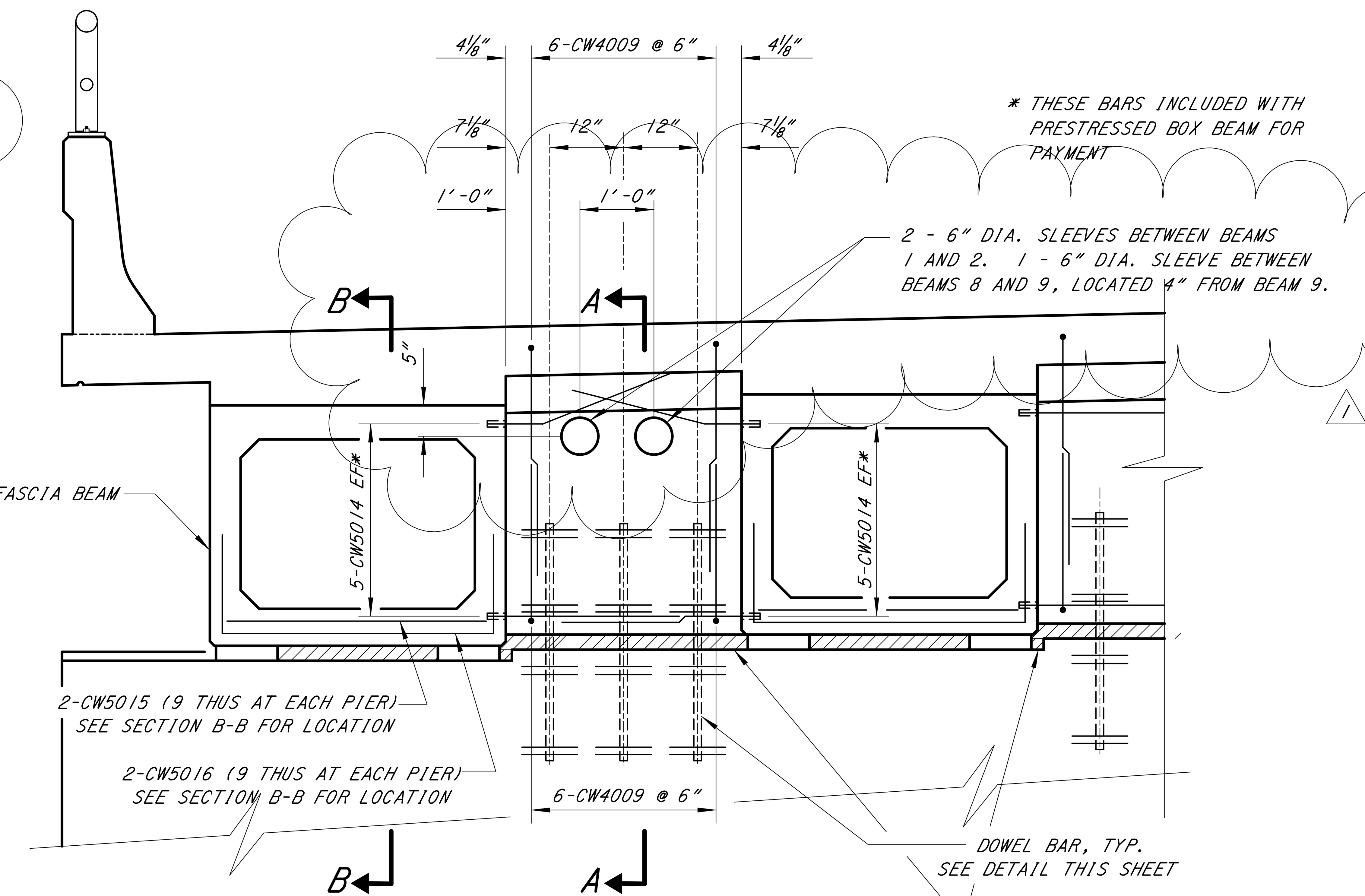
41 / 243

371 / 582

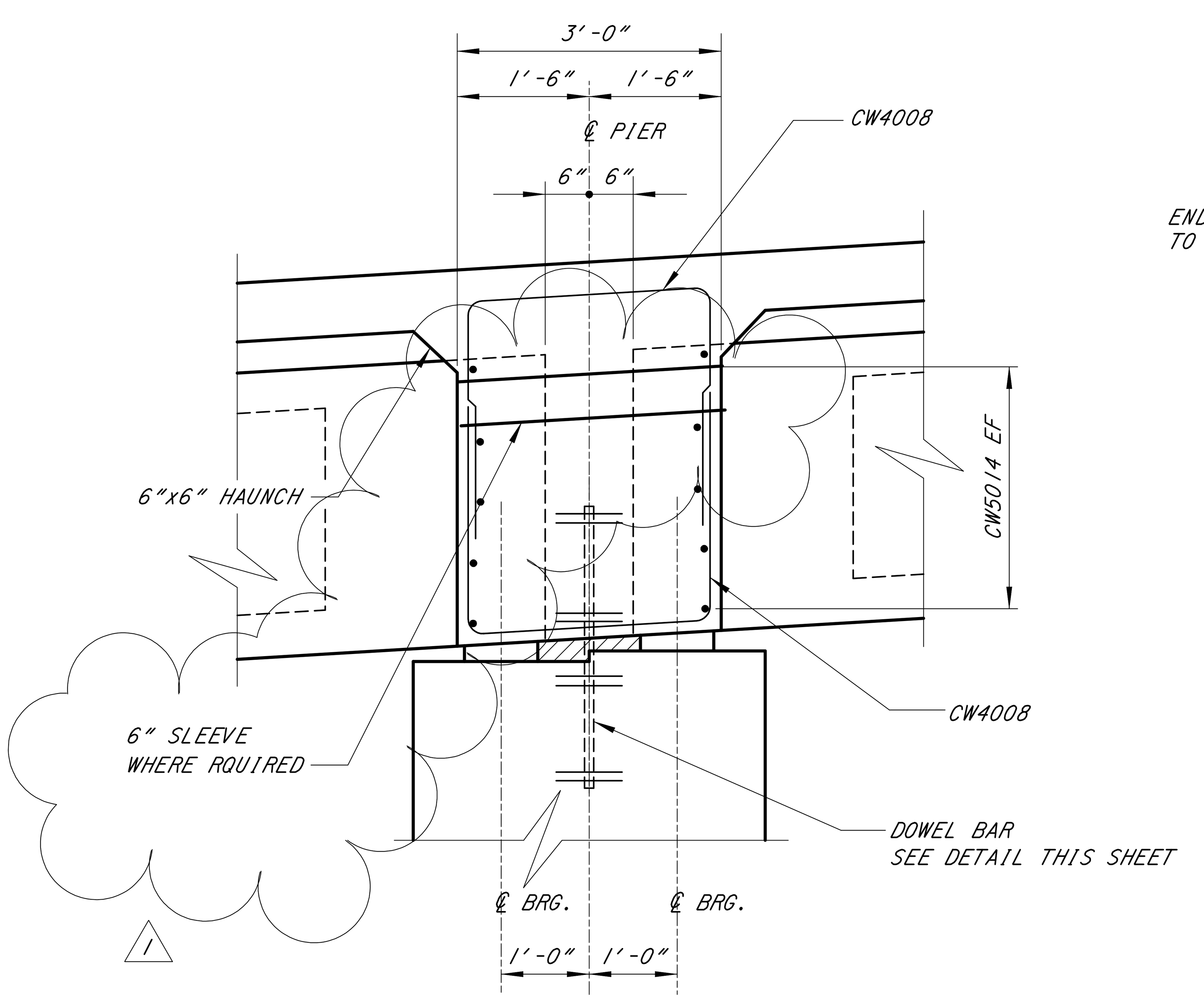
Filename: mp833d7.dgn



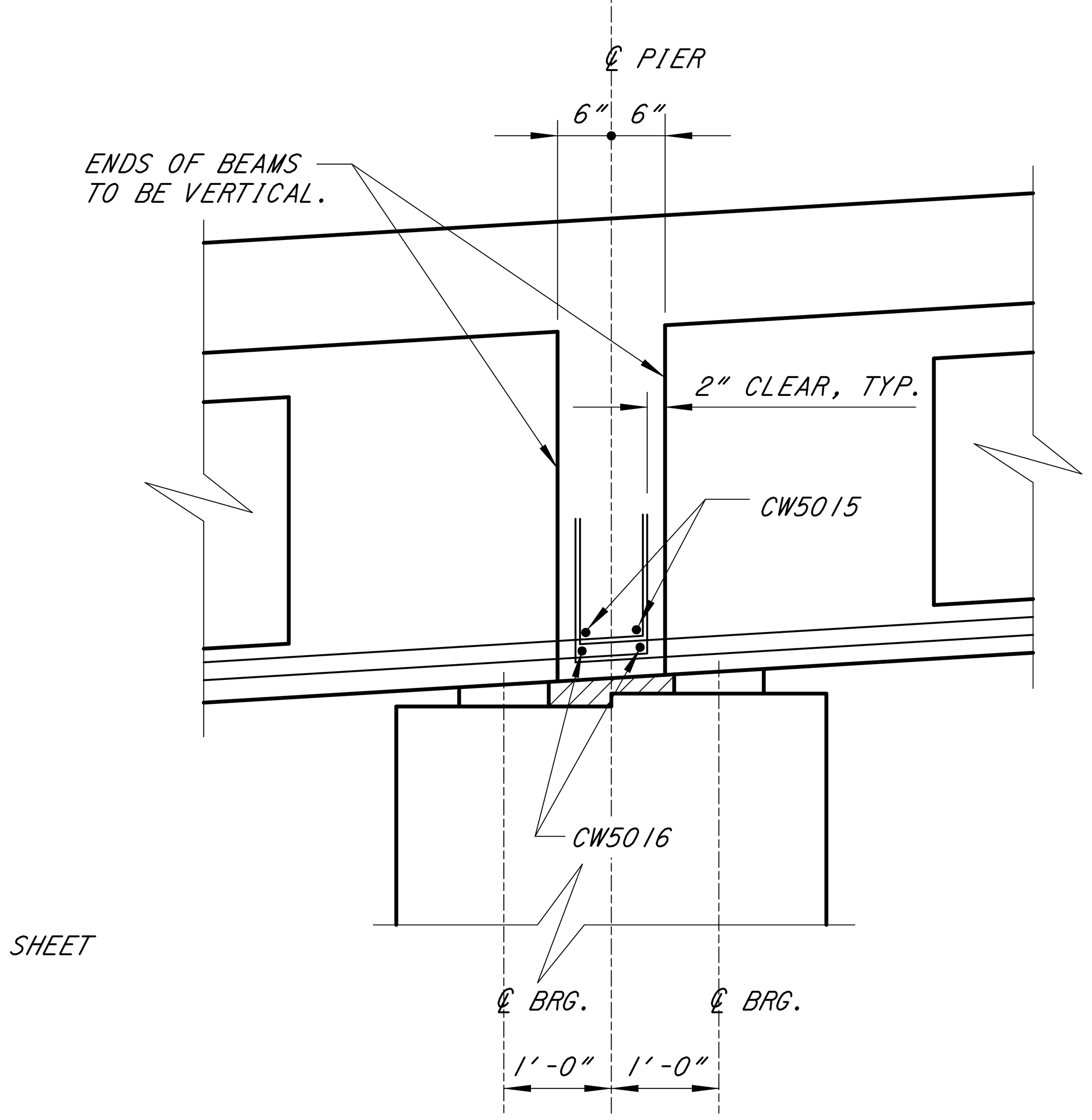
TYPICAL DIAPHRAGM AT PIERS 1,2,4 & 5
(8 THUS AT EACH PIER)



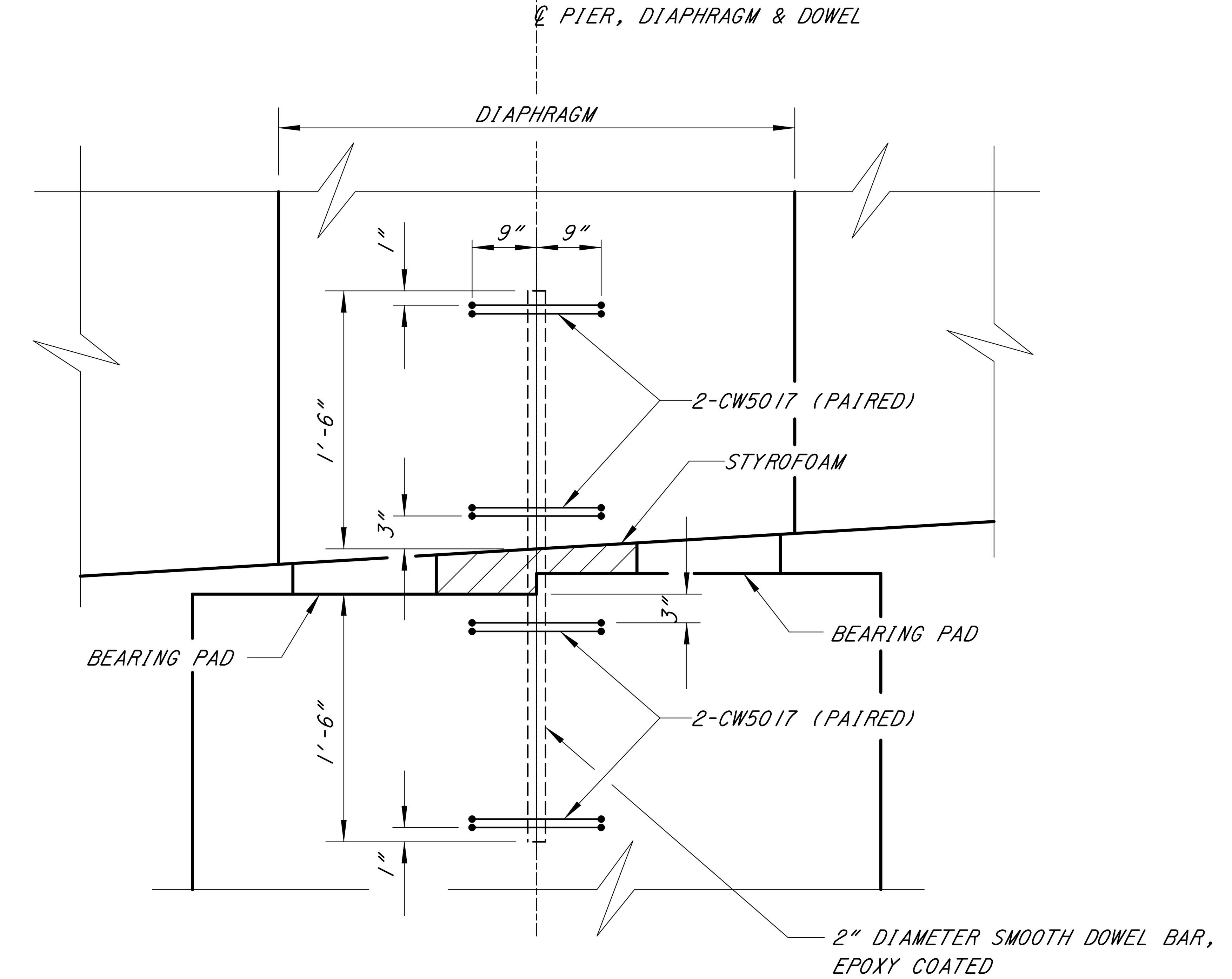
TYPICAL DIAPHRAGM AT PIER 3
(8 THUS)



SECTION A-A
FIXED PIER SHOWN; EXPANSION PIER SIMILAR



SECTION B-B
TYPICAL POSITIVE MOMENT CONNECTION



TYPICAL DOWEL REINFORCEMENT DETAIL
24 REQUIRED

1

NOTES:

1. EXPANDED POLYSTYRENE FILLER TO BE INCLUDED WITH HIGH PERFORMANCE CONCRETE, SUPERSTRUCTURE (DECK) FOR PAYMENT.
2. PROVIDE 6" DIA. SLEEVE THRU PIER DIAPHRAGMS FOR 4" CONDUITS. FIELD BEND BARS AS NECESSARY. SLEEVES ARE INCLUDED IN PRICE BID WITH HIGH PERFORMANCE CONCRETE, SUPERSTRUCTURE FOR PAYMENT.

NUMBER	REVISION	DATE	BY
1	CONDUIT SLEEVES ADDED	10/18/02	MRS

DESIGN AGENCY
BALKE ENGINEERS
1848 Summit Road
Cincinnati, Ohio 45237

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MRS	WJH	CRS	06/02
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FKL	—	5300916(OH)/10385(WV)	

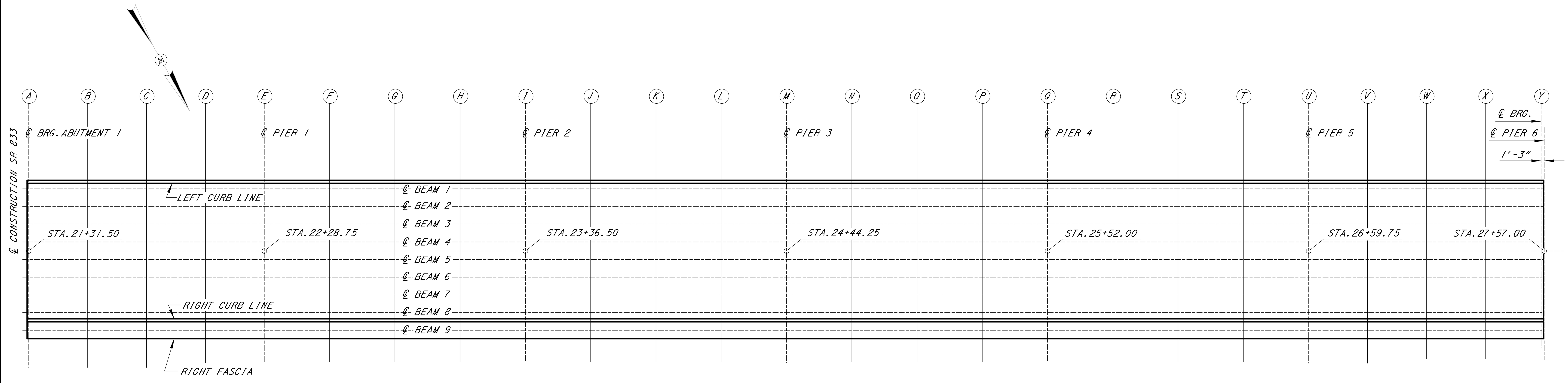
DIAPHRAGM DETAILS WEST VIRGINIA APPROACH
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER THE OHIO RIVER

MEG-33-15.70

42 | 243

372 / 582

Filename: mp033e08.dgn

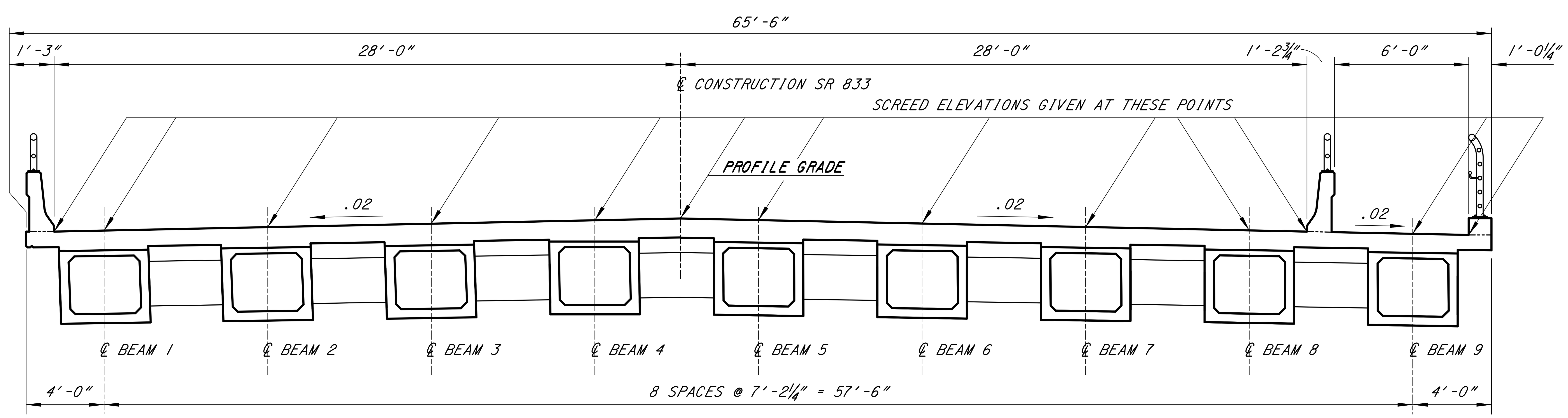


DECK PLAN

SCREED ELEVATIONS

	SPAN 1					SPAN 2				SPAN 3	
	21+31.50	21+55.81	21+80.13	22+04.44	22+28.75	22+55.69	22+82.63	23+09.56	23+36.50	23+63.44	23+90.38	24+17.31
	℄ BRG. A	1/4 PT. B	MIDSPAN C	3/4 PT. D	℄ PIER 1 E	1/4 PT. F	MIDSPAN G	3/4 PT. H	℄ PIER 2 I	1/4 PT. J	MIDSPAN K	3/4 PT. L
LEFT CURB LINE	585.63	586.31	587.07	587.91	588.83	590.37	591.97	593.53	594.96	596.76	598.44	599.99
℄ BEAM 1	585.68	586.36	587.13	587.97	588.89	590.42	592.03	593.58	595.01	596.81	598.49	600.04
℄ BEAM 2	585.82	586.51	587.27	588.11	589.03	590.56	592.17	593.72	595.15	596.96	598.64	600.19
℄ BEAM 3	585.97	586.65	587.41	588.26	589.18	590.71	592.31	593.87	595.30	597.10	598.78	600.33
℄ BEAM 4	586.11	586.80	587.56	588.40	589.32	590.85	592.46	594.01	595.44	597.25	598.93	600.47
℄ CONST. SR 833	586.19	586.87	587.63	588.47	589.39	590.93	592.53	594.09	595.52	597.32	599.00	600.55
℄ BEAM 5	586.12	586.80	587.56	588.40	589.32	590.86	592.46	594.02	595.45	597.25	598.93	600.48
℄ BEAM 6	585.97	586.66	587.42	588.26	589.18	590.71	592.32	593.87	595.30	597.11	598.79	600.33
℄ BEAM 7	585.83	586.51	587.27	588.12	589.04	590.57	592.17	593.73	595.16	596.96	598.64	600.19
℄ BEAM 8	585.68	586.37	587.13	587.97	588.89	590.42	592.03	593.58	595.01	596.82	598.50	600.05
RIGHT CURB LINE	585.63	586.31	587.07	587.91	588.83	590.37	591.97	593.53	594.96	596.76	598.44	599.99
℄ BEAM 9	585.54	586.22	586.99	587.83	588.75	590.28	591.89	593.44	594.87	596.67	598.35	599.90
RIGHT RAILING	585.48	586.16	586.93	587.77	588.69	590.22	591.83	593.38	594.81	596.61	598.29	599.84

		SPAN 4				SPAN 5				SPAN 6			
	24+44.25	24+71.19	24+98.13	25+25.06	25+52.00	25+78.94	26+05.88	26+32.81	26+59.75	26+84.06	27+08.38	27+32.69	27+55.75
	℄ PIER 3 M	1/4 PT. N	MIDSPAN O	3/4 PT. P	℄ PIER 4 Q	1/4 PT. R	MIDSPAN S	3/4 PT. T	℄ PIER 5 U	1/4 PT. V	MIDSPAN W	3/4 PT. X	℄ BRG. Y
LEFT CURB LINE	601.35	602.99	604.43	605.66	606.67	607.98	609.07	609.96	610.64	611.47	612.16	612.76	613.24
℄ BEAM 1	601.40	603.05	604.48	605.71	606.73	608.03	609.13	610.02	610.69	611.52	612.21	612.81	613.30
℄ BEAM 2	601.54	603.19	604.63	605.85	606.87	608.18	609.27	610.16	610.83	611.67	612.36	612.96	613.44
℄ BEAM 3	601.69	603.33	604.77	606.00	607.02	608.32	609.42	610.30	610.98	611.81	612.50	613.10	613.59
℄ BEAM 4	601.83	603.48	604.92	606.14	607.16	608.46	609.56	610.45	611.12	611.95	612.64	613.24	613.73
℄ CONST. SR 833	601.91	603.55	604.99	606.22	607.23	608.54	609.63	610.52	611.20	612.03	612.72	613.32	613.80
℄ BEAM 5	601.84	603.48	604.92	606.15	607.16	608.47	609.56	610.45	611.13	611.96	612.65	613.25	613.73
℄ BEAM 6	601.69	603.34	604.78	606.00	607.02	608.32	609.42	610.31	610.98	611.81	612.50	613.10	613.59
℄ BEAM 7	601.55	603.19	604.63	605.86	606.88	608.18	609.28	610.16	610.84	611.67	612.36	612.96	613.45
℄ BEAM 8	601.40	603.05	604.49	605.71	606.73	608.04	609.13	610.02	610.69	611.53	612.22	612.82	613.30
RIGHT CURB LINE	601.35	602.99	604.43	605.66	606.67	607.98	609.07	609.96	610.64	611.47	612.16	612.76	613.24
℄ BEAM 9	601.26	602.91	604.34	605.57	606.59	607.89	608.99	609.88	610.55	611.38	612.07	612.67	613.16
RIGHT RAILING	601.20	602.85	604.28	605.51	606.53	607.83	608.93	609.82	610.49	611.32	612.01	612.61	613.10



SECTION

LOOKING AHEAD STATIONS

NOTES:

SCREED ELEVATIONS SHOWN ARE FOR THE DECK SLAB SURFACE PRIOR TO CONCRETE PLACEMENT. ALLOWANCE HAS BEEN MADE FOR ANTICIPATED DEAD LOAD DEFLECTIONS.

Filename: mp833sd49.dgn

DESIGN AGENCY
BALKE ENGINEERS
1848 Summit Road
Cincinnati, Ohio 45237

DESIGNED	DRAWN	REVIEWED	DATE
MPS	WJH	CPS	06/02
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FKL	—	5300916(OH)/10385(WV)	

SCREED ELEVATIONS WEST VIRGINIA APPROACH

BRIDGE NO. MEG-33-1570

POMEROY MASON BRIDGE OVER THE OHIO RIVER

MEG-33-15.70

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	WEIGHT *	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
PIER 1																
PA	10	001	216	15'-1"	10	14,019	13'-7"	1'-10"								
PA	10	002	76	22'-3"	1	7276	22'-3"									
PA	10	003	136	21'-6"	1	12,582	21'-6"									
PA	9	001	102	20'-2"	18	6720	17'-8"									
PA	9	002	50	28'-10"	1	4902	28'-10"									
PA	8	001	52	3'-5"	17	146	2'-7"									
PA	6	001	36	17'-8"	1	955	17'-8"									
PA	6	002	26	27'-10"	1	1087	27'-10"									
PA	5	001	44	30'-5"	11	1396	2'-8"	14'-0"	14'-0"							
			2	27'-0"			27'-0"									
PA	5	002	SER.	TO	1	1051	TO									
			16	36'-0"			36'-0"									
PA	5	003	12	38'-10"	1	486	38'-10"									
PA	5	004	36	22'-3"	1	835	22'-3"									
			2	19'-5"			7'-0"									
PA	5	005	SER.	TO	5	682	TO	3'-8"	1'-0"	1'-0"						
			16	23'-5"			9'-0"									
PA	5	006	24	32'-6"	1	814	32'-6"									
PA	5	007	92	12'-5"	11	1191	3'-8"	4'-6"	4'-6"							
PA	5	008	12	10'-0"	1	125	10'-0"									
PA	5	009	4	8'-0"	1	33	8'-0"									
PA	5	010	39	7'-5"	11	302	3'-8"	2'-0"	2'-0"							
PA	5	011	4	38'-7"	1	161	38'-7"									
PA	5	012	24	8'-5"	11	211	3'-8"	2'-6"	2'-6"							
PA	5	013	32	7'-5"	11	248	2'-8"	2'-6"	2'-6"							
PIER 2																
PB	10	001	200	15'-1"	10	12,981	13'-7"	1'-10"								
PB	10	002	76	29'-9"	1	9729	29'-9"									
PB	10	003	124	28'-10"	1	15,385	28'-10"									
PB	9	001	104	20'-2"	18	6994	17'-8"									
PB	9	002	50	26'-10"	1	4562	26'-10"									
PB	8	001	52	3'-5"	17	146	2'-7"									
PB	6	001	34	17'-8"	1	902	17'-8"									
PB	6	002	26	25'-10"	1	1009	25'-10"									
PB	5	001	60	30'-5"	11	1903	2'-8"	14'-0"	14'-0"							
			2	22'-9"			22'-9"									
PB	5	002	SER.	TO	1	1471	TO									
			24	36'-0"			36'-0"									
PB	5	003	12	38'-10"	1	486	38'-10"									
PB	5	004	36	30'-0"	1	1122	30'-0"									
			2	18'-7"			6'-7"									
PB	5	005	SER.	TO	5	1110	TO	3'-8"	1'-0"	1'-0"						
			24	25'-9"			10'-2"									
PB	5	006	24	32'-6"	1	814	32'-6"									
PB	5	007	92	12'-5"	11	1191	3'-8"	4'-6"	4'-6"							
PB	5	008	16	13'-0"	1	217	13'-0"									
PB	5	009	4	8'-0"	1	33	8'-0"									
PB	5	010	39	7'-5"	11	302	3'-8"	2'-0"	2'-0"							
PB	5	011	4	38'-7"	1	161	38'-7"									
PB	5	012	24	8'-5"	11	211	3'-8"	2'-6"	2'-6"							
PB	5	013	32	7'-5"	11	248	2'-8"	2'-6"	2'-6"							

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	WEIGHT *	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
PIER 3																
PC	11	001	188	15'-1"	10	15,066	13'-7"	1'-10"								
PC	11	002	76	35'-9"	1	14,435	35'-9"									
PC	11	003	112	34'-6"	1	20,529	34'-6"									
PC	9	001	102	20'-2"	18	6720	17'-8"									
PC	9	002	50	25'-10"	1	4391	25'-10"									
PC	8	001	52	3'-5"	17	146	2'-7"									
PC	6	001	32	17'-8"	1	849	17'-8"									
PC	6	002	26	24'-10"	1	970	24'-10"									
PC	5	001	70	30'-5"	11	2221	2'-8"	14'-0"	14'-0"							
			2	19'-4"			19'-4"									
PC	5	002	SER.	TO	1	1180	TO									
			29	36'-0"			36'-0"									
PC	5	003	12	38'-10"	1	486	38'-10"									
PC	5	004	28	36'-0"	1	1051	36'-0"									
			2	18'-5"			6'-6"									
PC	5	005	SER.	TO	5	1381	TO	3'-8"	1'-0"	1'-0"						
			29	27'-3"			10'-11"									
PC	5	006	24	32'-6"	1	814	32'-6"									
PC	5	007	92	12'-5"	11	1191	3'-8"	4'-6"	4'-6"							
PC	5	008	16	19'-0"	1	317	19'-0"									
PC	5	009	4	8'-0"	1	33	8'-0"									
PC	5	010	39	7'-5"	11	302	3'-8"	2'-0"	2'-0"							
PC	5	011	4	38'-7"	1	161	38'-7"									
PIER 4																
PD	11	001	176	15'-1"	10	14,104	13'-7"	1'-10"								
PD	11	002	76	40'-6"	1	16,353	40'-6"									
PD	11	003	100	38'-10"	1	20,632	38'-10"									
PD	9	001	106	20'-2"	18	6994	17'-8"									
PD	9	002	50	26'-10"	1	4564	26'-10"									
PD	8	001	52	3'-5"	17	146	2'-7"									
PD	6	001	34	17'-8"	1	902	17'-8"									
PD	6	002	26	25'-10"	1	1009	25'-10"									
PD	5	001	80	30'-5"	11	2538	2'-8"	14'-0"	14'-0"							
			2	17'-0"			17'-0"									
PD	5	002	SER.	TO	1	1879	TO									
			34	36'-0"			36'-0"									
PD	5	003	12	38'-10"	1	486	38'-10"									
PD	5	004	36	32'-6"	1	1220	32'-6"									
			2	18'-7"			6'-7"									
PD	5	005	SER.	TO	5	1679	TO	3'-8"	1'-0"	1'-0"						
			34	28'-9"			11'-8"									
PD	5	006	24	32'-6"	1	814	32'-6"									
PD	5	007	92	12'-5"	11	1191	3'-8"	4'-6"	4'-6"							
PD	5	008	24	20'-0"	1	501	20'-0"									
PD	5	009	4	8'-0"	1	33	8'-0"									
PD	5	010	39	7'-5"	11	302	3'-8"	2'-0"	2'-0"							
PD	5	011	4	38'-7"	1	161	38'-7"									
PD	5	012	24	8'-5"	11	211	3'-8"	2'-6"	2'-6"							
PD	5	013	32	7'-5"	11	248	2'-8"	2'-6"	2'-6"							

NOTES:
1. * FOR INFORMATION ONLY.
2. FOR STANDARD BAR BENDING DETAILS, SEE SHEET 14/243 AND 15/243.
3. P#8001 BARS ARE NON-EPOXY.

DESIGNED BY: BALKE ENGINEERS
1848 Summit Road
Cincinnati, Ohio 45237

DESIGNED MRS | CHECKED FKL | DRAWN KJH | REVISED | REVIEWED LS | DATE

STRUCTURE FILE NUMBER 5310916(OH) 10385(WV)

REINFORCING STEEL LIST WEST VIRGINA APPROACH
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER THE OHIO RIVER

MEG-33-15.70

Time: 13:27:35
Date: 7/22/2003
Scale: 1=1(PS)
Drawing File: 54\8-07-03 REVISED FILES\SHT-374R.dwg (SPierce)

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	WEIGHT *	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
PIER 5																
PE	14	001	128	9'-6"	45	9,303	7'-6"	2'-6"								
PE	14	002	128	11'-6"	45	11,261	9'-6"	2'-6"								
PE	14	003	64	43'-0"	44	21,053	43'-0"									
PE	14	004	64	41'-0"	44	20,074	41'-0"									
PE	14	005	64	22'-3"	44	10,894	22'-3"									
PE	14	006	64	20'-3"	44	9,915	20'-3"									
PE	11	001	12	19'-9"	10	1,260	16'-1"	2'-0"								
PE	11	002	12	35'-4"	1	2,253	35'-4"									
PE	11	003	128	31'-9"	1	21,592	31'-9"									
PE	10	001	134	32'-6"	18	18,740										
PE	10	002	164	30'-6"	17	21,519										
PE	6	001	34	29'-8"	1	1515	29'-8"									
PE	6	002	42	26'-4"	1	1661	26'-4"									
			2	38'-10"				17'-9"	17'-9"							
PE	6	003	SER.	TO	11	3286	3'-8"	TO	TO							
			24	52'-4"				24'-6"	24'-6"							
			2	38'-1"				17'-9"	17'-9"							
PE	6	004	SER.	TO	11	3232	2'-11"	TO	TO							
			24	51'-7"				24'-6"	24'-6"							
PE	6	005	64	31'-4"	11	3012	3'-8"	14'-0"	14'-0"							
			2	23'-0"			23'-0"									
PE	6	006	SER.	TO	1	2382	TO									
			26	38'-0"			38'-0"									
PE	6	007	12	40'-10"	1	736	40'-10"									
PE	5	001	52	27'-0"	1	1464	27'-0"									
PE	5	002	20	19'-0"	1	396	19'-0"									
			2	27'-9"			10'-8"									
PE	5	003	SER.	TO	5	1573	TO	4'-8"	1'-0"	1'-0"						
			24	35'-1"			14'-4"									
PE	5	004	32	33'-0"	1	1101	33'-0"									
PE	5	005	16	17'-0"	1	284	17'-0"									
			2	19'-5"			6'-6"									
PE	5	006	SER.	TO	5	1270	TO	4'-8"	1'-0"	1'-0"						
			26	27'-5"			10'-6"									
PE	5	007	92	12'-5"	11	1191	4'-8"	4'-6"	4'-6"							
PE	5	008	24	32'-9"	1	820	32'-9"									
PE	5	009	4	8'-0"	1	33	8'-0"									
PE	5	010	39	7'-5"	11	302	3'-8"	2'-0"	2'-0"							
PE	5	011	4	38'-7"	1	161	38'-7"									
PE	5	012	24	8'-5"	11	211	3'-8"	2'-6"	2'-6"							
PE	5	013	32	7'-5"	11	248	2'-8"	2'-6"	2'-6"							

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	WEIGHT *	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
DRILLED SHAFT REINFORCING LIST																
DS	11	001	162	27'-6"	1	23,670	27'-6"									
DS	11	002	486	40'-0"	1	103,285	40'-0"									
DS	11	003	162	35'-2"	17	30,268	34'-3"									
DS	11	004	162	22'-8"	17	19,510	21'-9"									
DS	10	001	288	30'-0"	1	37,178	30'-0"									
DS	10	002	864	40'-0"	1	148,712	40'-0"									
DS	10	003	72	39'-8"	17	12,290	38'-9"									
DS	10	004	72	29'-8"	17	9,191	28'-9"									
DS	10	005	72	42'-8"	17	13,219	41'-9"									
DS	10	006	72	32'-8"	17	10,121	31'-9"									
DS	10	007	72	44'-8"	17	13,839	43'-9"									
DS	10	008	72	34'-8"	17	10,741	33'-9"									
DS	10	009	72	45'-8"	17	14,149	44'-9"									
DS	10	010	72	35'-8"	17	11,050	34'-9"									
DS	5	001	2154	13'-0"	24	29,206	2'-0"	1'-9"								
DS	5	002	444	24'-0"	24	11,114	2'-0"	3'-6"								

NOTES:
1. * FOR INFORMATION ONLY.
2. FOR STANDARD BAR BENDING DETAILS, SEE SHEET 14/243 AND 15/243.

DESIGN AGENCY
BALKE ENGINEERS
1848 Summit Road
Cincinnati, Ohio 45237

DESIGNED	DRAWN	REVIEWED	DATE
FXL	WJH	CRS	06/02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
MRS	—	5300916(OH)/10385(WV)	

REINFORCING STEEL LIST WEST VIRGINIA APPROACH
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER THE OHIO RIVER

MEG-33-15.70

45/243

375/582

SUPERSTRUCTURE REINFORCING LIST

PX	SZ	ID	NO. BARS	LENGTH	TYPE	WEIGHT *	B	C	D	E	F	G	H	J	N	PHI Φ
CW	8	001	48	3'-0"	34	384										
CW	8	002	6	1'-8"	34	27										
CW	8	003	24	35'-3"	1	2259	35'-3"									
CW	8	004	40	4'-9"	53	507	2'-5"	1'-5"								45
CW	6	001	1251	6'-0"	1	11,274	6'-0"									
CW	6	002	12	7'-10"	10	141	6'-6"	1'-6"								
CW	6	003	48	3'-0"	34	216										
CW	6	004	6	1'-8"	34	15										
CW	6	005	8	35'-3"	1	424	35'-3"									
CW	5	001	1596	30'-0"	1	49,939	30'-0"									
CW	5	002	76	32'-8"	1	2589	32'-8"									
CW	5	003	1878	4'-6"	55	8814	1'-5"	1 7/8"	1'-4 1/2"	1 7/8"	1'-0"				62 3/4	152 3/4
CW	5	004	1878	4'-2"	54	8161	2'-2"	2 5/8"	1'-2"	1'-0"	1 1/4"					
CW	5	005	939	3'-10"	4	3754	1'-1"	8"								
CW	5	006	18	7'-4"	42	138	1'-9"	6"	1'-4"	6"			5'-10"			
CW	5	007	12	3'-3"	11	41	1'-10"	10"	10"							
CW	5	008	12	7'-7"	11	95	1'-10"	3'-0"	3'-0"							
CW	5	009	12	3'-0"	1	38	3'-0"									
CW	5	010	6	8'-0"	42	50	2'-0"	6"	1'-4"	6"			6'-4"			
CW	5	011	9	8'-8"	43	81	1'-4"	1'-4"	1'-6"	1'-8"	1'-8"		0			
CW	5	012	12	2'-8"	1	33	2'-8"									
CW	5	013	9	7'-8"	11	144	3'-11"	2'-0"	2'-0"							
CW	5	014	672	3'-0"	34	2103										
CW	5	015	90	3'-8"	1	344	3'-8"									
CW	5	016	90	6'-5"	11	602	3'-8"	1'-6"	1'-6"							
CW	5	017	192	6'-5"	4	1285	1'-6"	1'-6"								
CW	5	018	38	11'-9"	4	466	3'-6"	2'-8"								
CW	5	019	38	6'-5"	11	254	2'-2"	2'-3"	2'-3"							
CW	5	020	38	10'-7"	4	419	2'-11"	2'-2"								
CW	5	021	38	5'-1"	11	201	0'-8"	2'-4"	2'-4"							
CW	4	001	1491	30'-0"	1	29,879	30'-0"									
CW	4	002	71	32'-8"	1	1549	32'-8"									
CW	4	003	540	40'-0"	1	14,428	40'-0"									
CW	4	004	540	14'-9"	1	5321	14'-9"									
CW	4	005	2504	33'-6"	1	56,035	33'-6"									
CW	4	006	1252	37'-2"	1	31,084	37'-2"									
CW	4	007	1252	30'-0"	1	25,090	30'-0"									
CW	4	008	384	7'-5"	11	1902	2'-8"	2'-6"	2'-6"							
CW	4	009	96	9'-11"	11	636	2'-8"	3'-9"	3'-9"							
CW	3	001	1878	3'-2"	23	2236	1'-4"	2"	1'-4"							

ABUTMENT REINFORCING LIST

PX	SZ	ID	NO. BARS	LENGTH	TYPE	WEIGHT *	B	C	D	E	F	G	H	J	N	PHI Φ
AW	8	001	8	45'-7"	1	974	45'-7"									
AW	8	002	8	35'-6"	1	758	35'-6"									
AW	5	001	81	16'-11"	4	1429	2'-7"	5'-8"								
AW	5	002	62	17'-3"	4	1115	5'-9"	2'-8"								
AW	5	003	8	17'-1"	11	143	2'-2"	7'-7"	7'-7"							
AW	5	004	2	15'-11"	11	33	2'-2"	7'-0"	7'-0"							
AW	5	005	12	43'-10"	1	549										
AW	5	006	29	6'-5"	11	194	2'-8"	2'-0"	2'-0"							
AW	5	007	2	31'-5"	1	66	31'-5"									
AW	5	008	8	33'-6"	1	280	33'-6"									
AW	5	009	6	13'-0"	1	81	13'-0"									
AW	5	010	2	10'-6"	1	22	10'-6"									
AW	5	011	2	8'-6"	1	18	8'-6"									
AW	5	012	2	5'-6"	1	11	5'-6"									
AW	5	013	2	11'-4"	12	24	8'-9"	2'-7"								26 1/4
			1	4'-3"				1'-2"	1'-2"							
AW	5	014	SER.	TO	11	54	2'-2"	TO	TO							
			7	10'-7"				4'-4"	4'-4"							
AW	5	015	2	10'-9"	11	22	2'-2"	4'-5"	4'-5"							
AW	5	016	7	17'-5"	11	127	2'-2"	7'-9"	7'-9"							
AW	5	017	2	16'-1"	11	34	2'-2"	7'-1"	7'-1"							
			1	4'-1"				1'-1"	1'-1"							
AW	5	018	SER.	TO	11	52	2'-2"	TO	TO							
			7	10'-3"				4'-2"	4'-2"							
AW	5	019	1	11'-3"	11	12	2'-2"	4'-8"	4'-8"							
AW	5	020	6	11'-4"	1	71	11'-4"									
AW	5	021	2	9'-0"	1	19	9'-0"									
AW	5	022	2	6'-10"	1	14	6'-10"									
AW	5	023	2	3'-10"	1	8	3'-10"									
AW	5	024	2	9'-11"	12	21	9'-4"	0'-7"								25 1/2

NOTES:
1. * FOR INFORMATION ONLY.
2. FOR STANDARD BAR BENDING DETAILS, SEE SHEET 14/243 AND 15/243.

DESIGN AGENCY
BALKE ENGINEERS
1848 Summit Road
Cincinnati, Ohio 45237

DESIGNED MPS | CHECKED FKL | DRAWN WJH | REVISED — | REVIEWED CRS | DATE 06/02
STRUCTURE FILE NUMBER 5300916(OH)/10385(WV)

REINFORCING STEEL LIST WEST VIRGINIA APPROACH
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER THE OHIO RIVER

MEG-33-15.70

Filename: mp83rl3.dgn

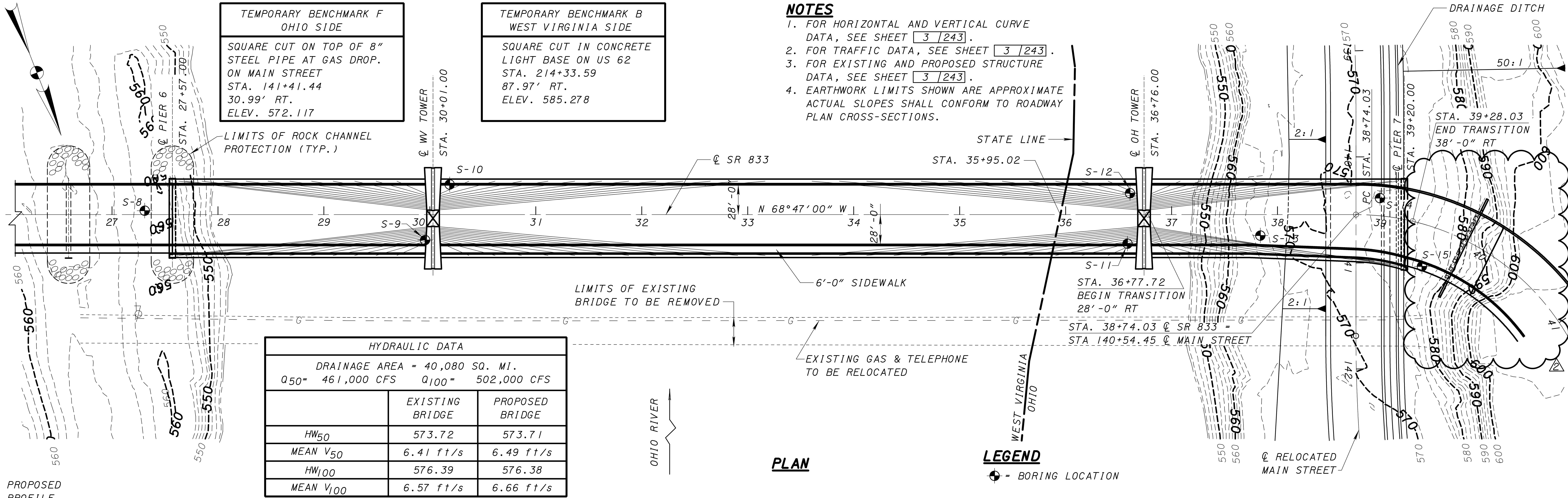
TEMPORARY BENCHMARK F OHIO SIDE
SQUARE CUT ON TOP OF 8" STEEL PIPE AT GAS DROP. ON MAIN STREET STA. 141+41.44 30.99' RT. ELEV. 572.117

TEMPORARY BENCHMARK B WEST VIRGINIA SIDE
SQUARE CUT IN CONCRETE LIGHT BASE ON US 62 STA. 214+33.59 87.97' RT. ELEV. 585.278

NOTES

1. FOR HORIZONTAL AND VERTICAL CURVE DATA, SEE SHEET 3/243.
2. FOR TRAFFIC DATA, SEE SHEET 3/243.
3. FOR EXISTING AND PROPOSED STRUCTURE DATA, SEE SHEET 3/243.
4. EARTHWORK LIMITS SHOWN ARE APPROXIMATE ACTUAL SLOPES SHALL CONFORM TO ROADWAY PLAN CROSS-SECTIONS.

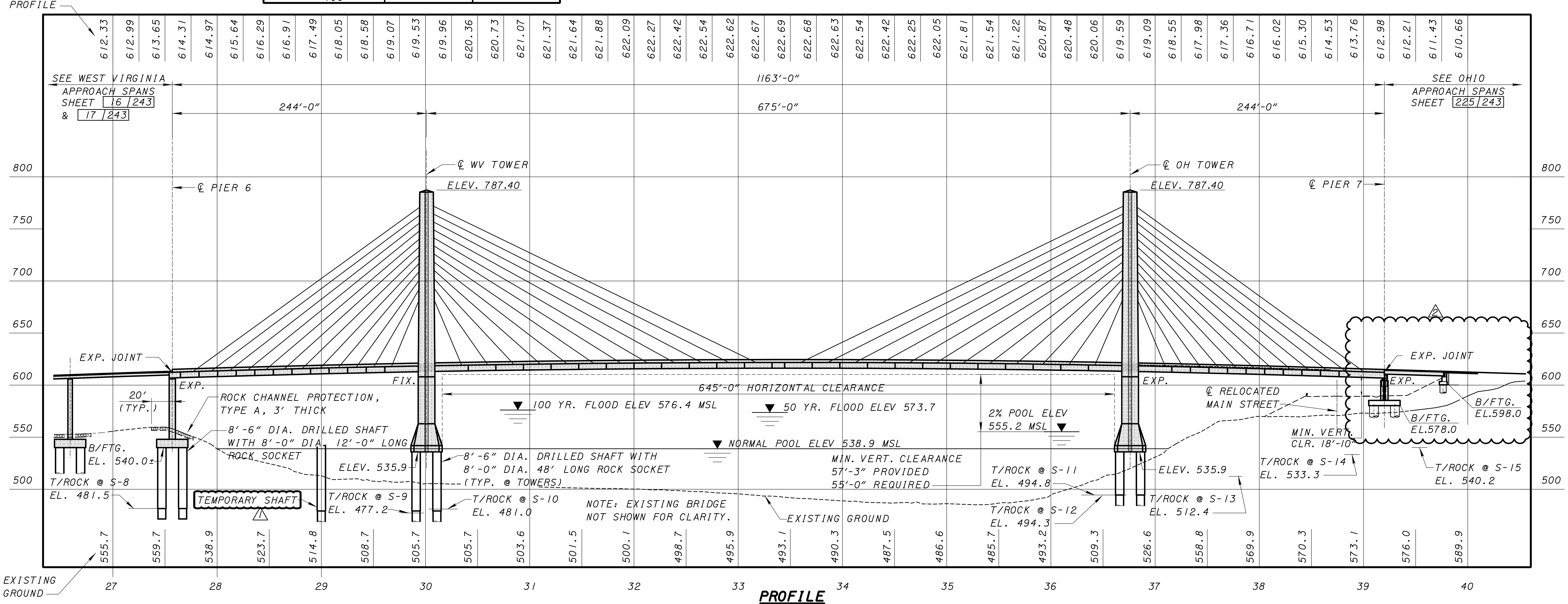
HYDRAULIC DATA		
DRAINAGE AREA = 40,080 SQ. MI. Q_{50} = 461,000 CFS Q_{100} = 502,000 CFS		
	EXISTING BRIDGE	PROPOSED BRIDGE
HW_{50}	573.72	573.71
MEAN V_{50}	6.41 ft/s	6.49 ft/s
HW_{100}	576.39	576.38
MEAN V_{100}	6.57 ft/s	6.66 ft/s



PLAN

LEGEND

⊕ - BORING LOCATION



PROFILE

NUMBER	REVISION	DATE	BY
1	CALLOUT TEMPORARY SHAFT	11-02	MJZ
2	REVISED OHIO APPROACH	12-04	MJZ

DESIGN AGENCY: BRW HAZELET & ERDAL, A URS COMPANY, 36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202 (513) 651-3440

REVIEWED JRC DATE 5-02 STRUCTURE FILE NUMBER 5300916 OH 10385 WV

DRAWN GJW REVISED

DESIGNED DLJ CHECKED MJZ

MASON COUNTY, WV MEIGS COUNTY, OH STA. 21+30.50 STA. 40+45.00

SITE PLAN - CABLE STAYED SPANS

BRIDGE NO. MEG-33-1570

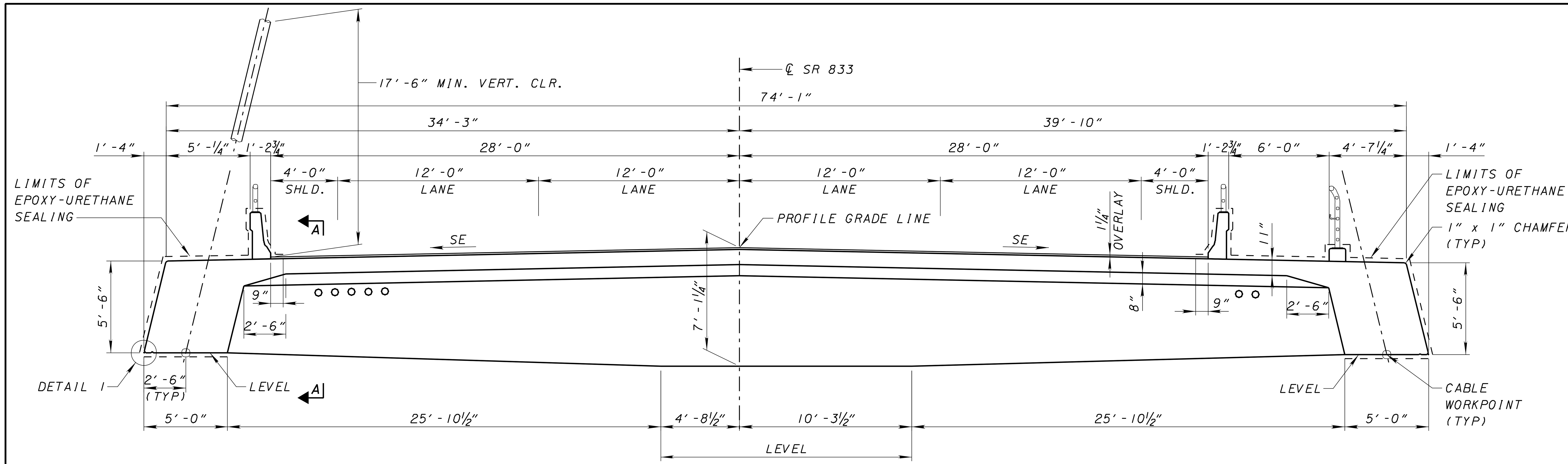
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

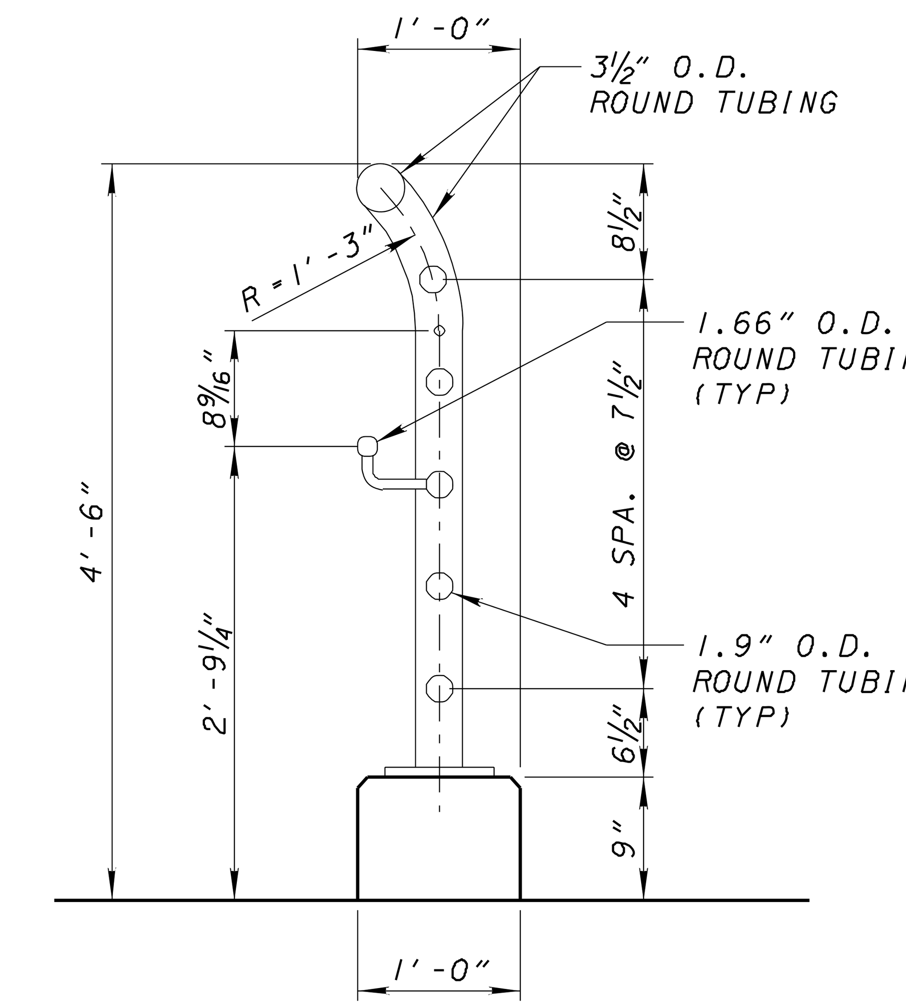
47/243

377/582

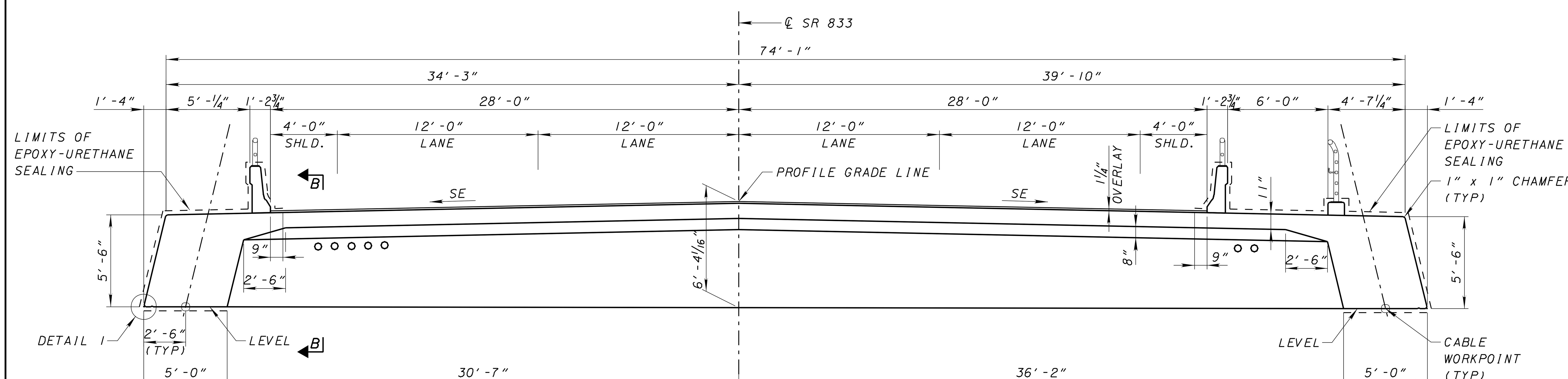
J:\Project\O\ODOT\4944862 POM-MAS\25862-18\piers\gp.dgn 1/12/2011 2:21:58 PM



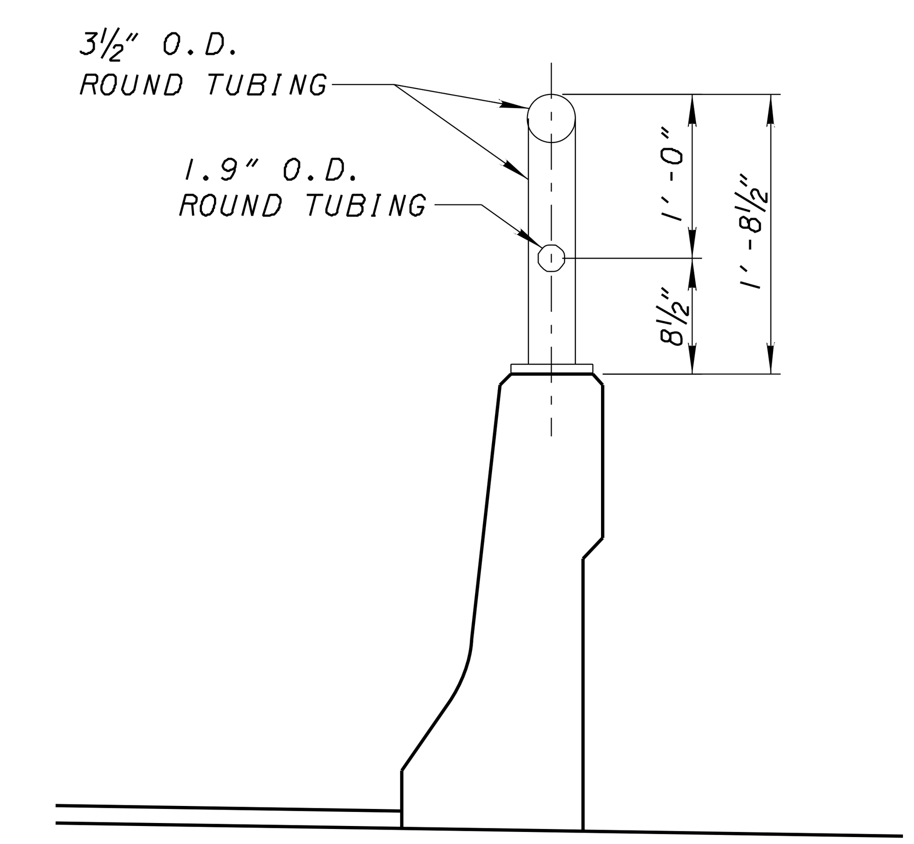
TYPICAL SECTION
(LOOKING STATIONS AHEAD)
(STA. 29+61.00 TO STA. 36+77.72)



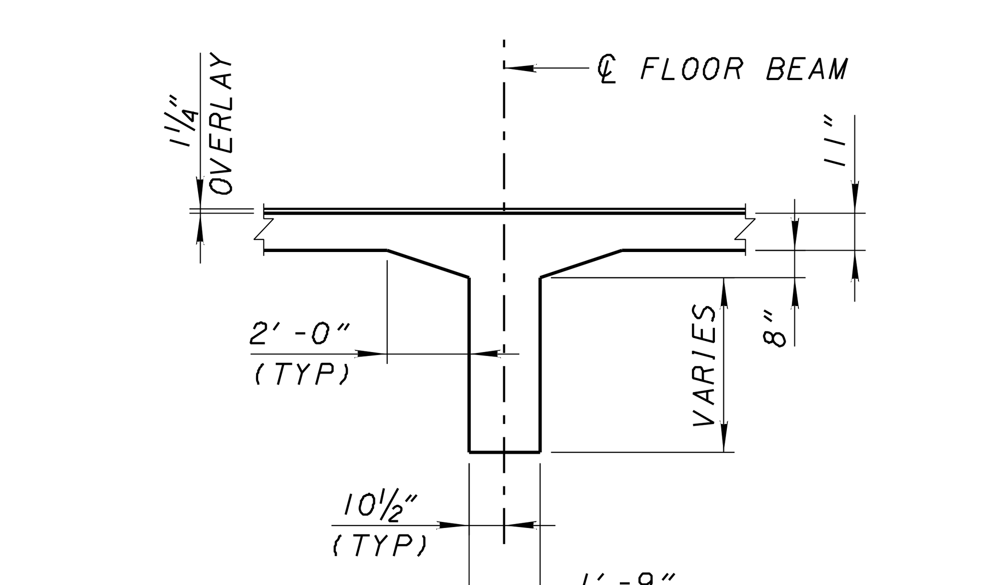
PEDESTRIAN RAILING DETAIL



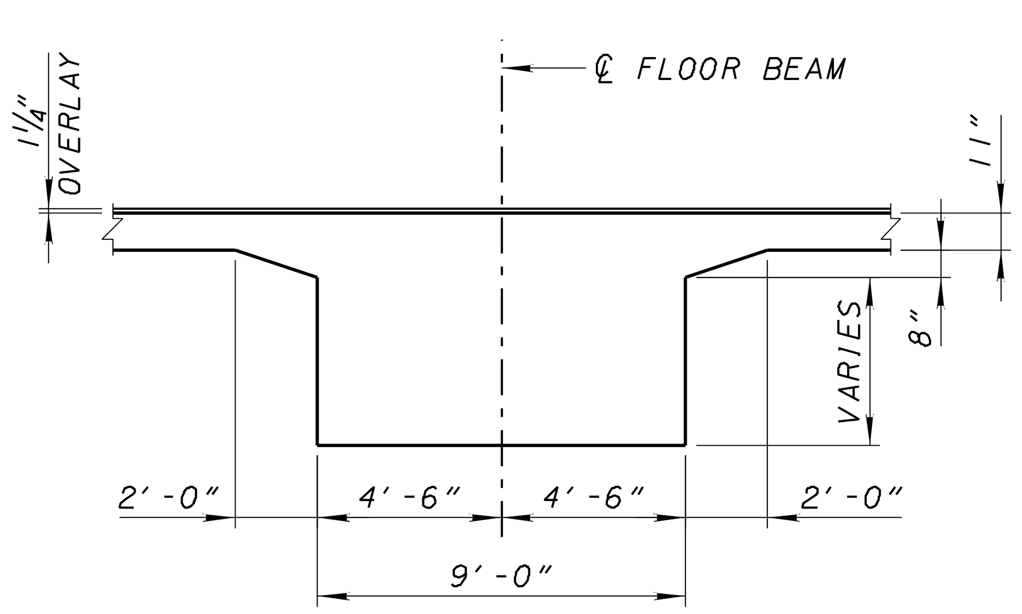
TYPICAL SECTION
(LOOKING STATIONS AHEAD)
(STA. 27+57.00 TO STA. 29+61.00)



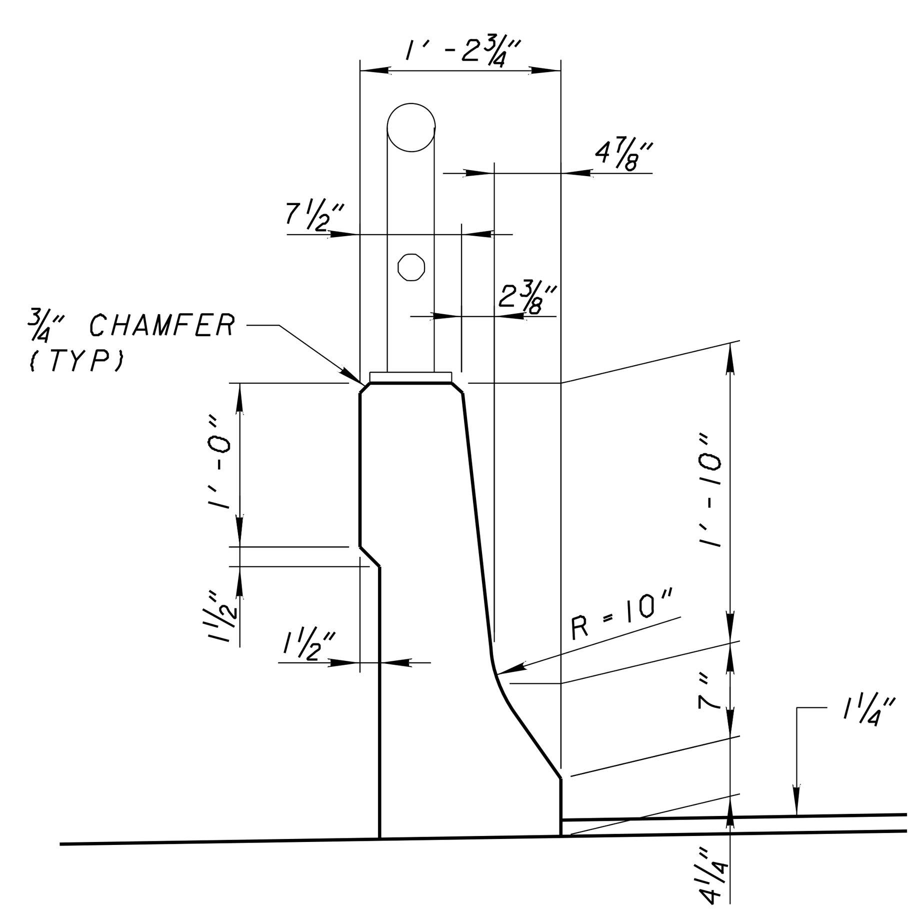
CONCRETE PARAPET/PEDESTRIAN RAILING DETAIL



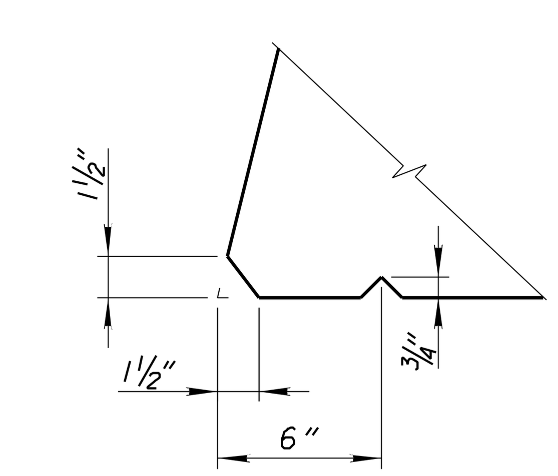
SECTION A-A - TYPE FB1 FLOORBEAM



SECTION B-B - TYPE FB2 FLOORBEAM



CONCRETE PARAPET DETAIL



DETAIL I

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

REVIEWED SLS
DATE 8-02
STRUCTURE FILE NUMBER 5300916 OH 10385 WV
DRAWN CER
REVISED
DESIGNED DLJ
CHECKED SH

CABLE STAYED TYPICAL SECTION (1)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

5/16/2006 7:27:40 AM
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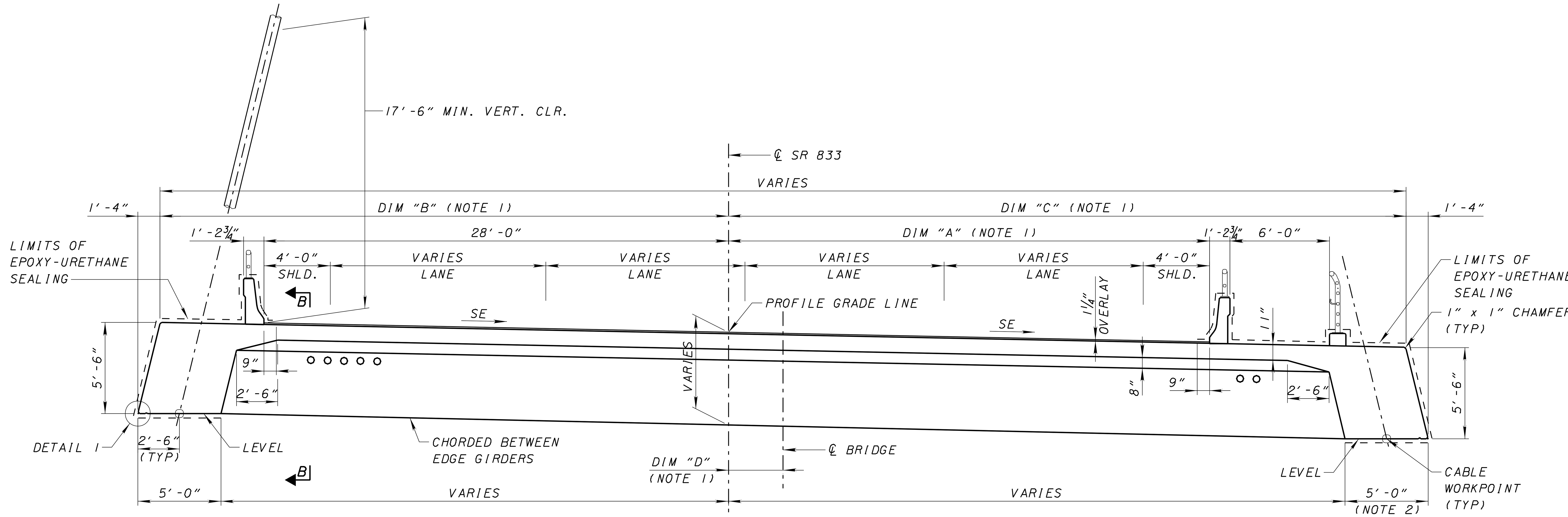


TYPICAL SECTION

(LOOKING STATIONS AHEAD)
(STA. 36+77.72 TO STA. 39+20.00)
(DIMENSIONS ARE PERPENDICULAR TO ℄ SR 833 UNLESS NOTED OTHERWISE)

OHIO SIDESPAN TYPICAL SECTION DIMENSIONS ALONG SEGMENT JOINTS					
LOCATION	STATION	DIM "A"	DIM "B"	DIM "C"	DIM "D"
BEGIN HORZ TRANSITION	36+77.720	28'-0"	34'-3"	39'-10"	2'-9½"
OH PIER TABLE/B14 JOINT	37+16.000	28'-11"	34'-3"	40'-9"	2'-9½"
SEGMENT B14/B15 JOINT	37+33.833	29'-4⅛"	34'-3"	41'-2⅛"	2'-9½"
SEGMENT B15/B16 JOINT	37+51.667	29'-9¼"	34'-3"	41'-7¼"	2'-9½"
SEGMENT B16/B17 JOINT	37+69.500	30'-2⅜"	34'-3"	42'-⅜"	2'-9½"
SEGMENT B17/B18 JOINT	37+87.333	30'-7½"	34'-3"	42'-5½"	2'-9½"
SEGMENT B18/B19 JOINT	38+05.167	31'-⅝"	34'-3"	42'-10 11/16"	2'-9½"
SEGMENT B19/B20 JOINT	38+23.000	31'-5 13/16"	34'-3"	43'-3 13/16"	2'-9½"
SEGMENT B20/B21 JOINT	38+40.833	31'-10 15/16"	34'-3"	43'-8 15/16"	2'-9½"
SEGMENT B21/B22 JOINT	38+58.667	32'-4 1/16"	34'-3"	44'-2 1/16"	2'-9½"
SEGMENT B22/B23 JOINT	38+76.500	32'-9 5/16"	34'-3 3/16"	44'-7"	2'-9 5/16"
SEGMENT B23/B24 JOINT	38+94.360	33'-5⅛"	35'-1 11/16"	44'-7 3/16"	1'-10 13/16"
SEGMENT B24/OH DIAP JOINT	39+12.341	34'-4"	37'-4 15/16"	44'-⅜"	-4 7/16"
OH DIAP SEGMENT END FACE	39+19.744	34'-9⅜"	38'-9"	44'-6⅛"	-1'-8½"
CL PIER 7	39+20.000	N/A	38'-9 9/16"	44'-6 5/16"	-1'-9 1/16"

NOTES

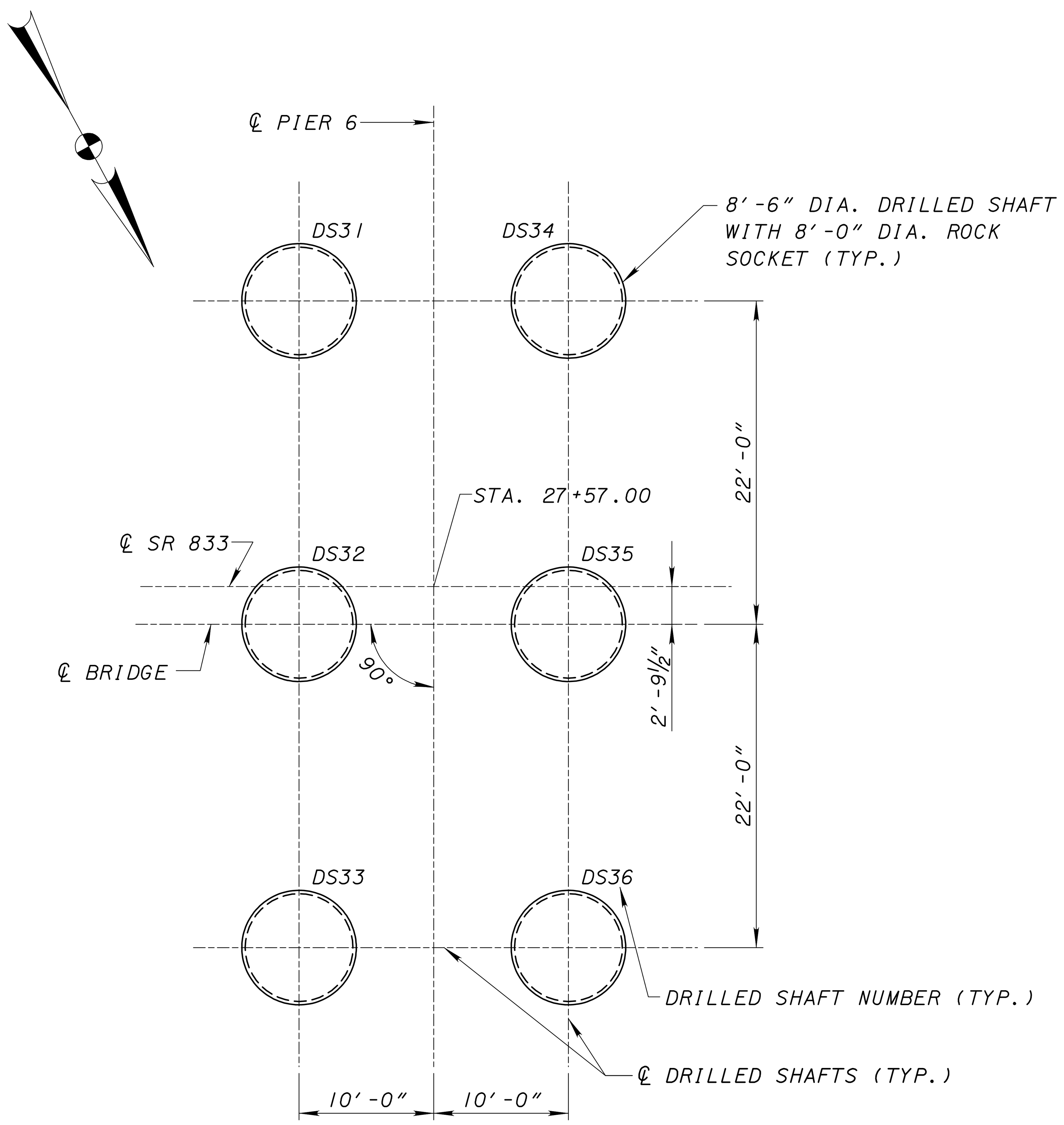
1. DIMENSIONS INDICATED ARE ALONG THE SEGMENT JOINTS.
2. DIMENSION IS PERPENDICULAR TO THE RIGHT FASCIA.
3. FOR SUPERELEVATION DIAGRAM, SEE SHEET NO. 3/243.

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

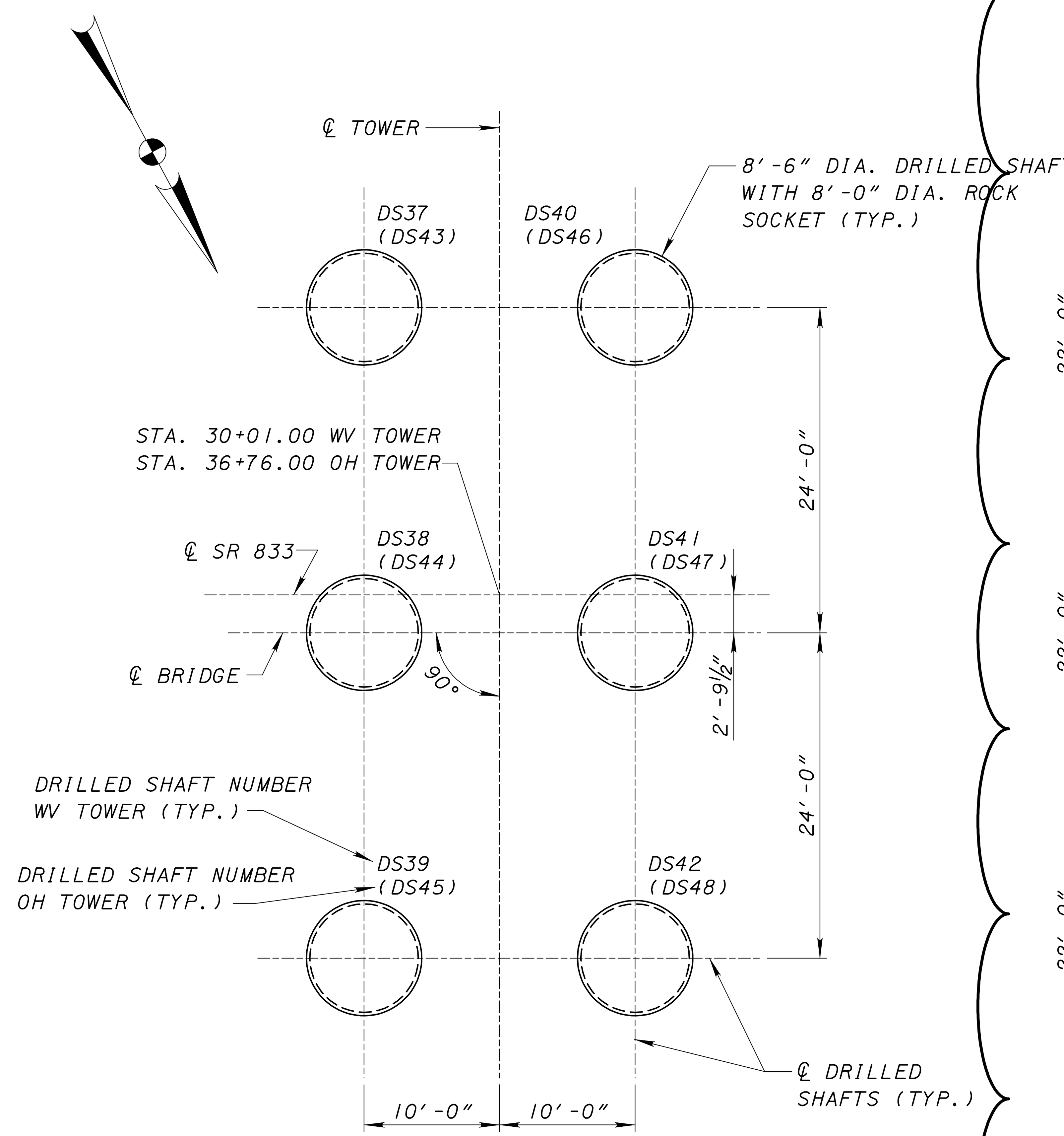
DESIGNED	DRAWN	REVIEWED	DATE
DLJ	CER	SLS	8-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
SH		5300916 OH 10385 WV	

CABLE STAYED TYPICAL SECTION (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

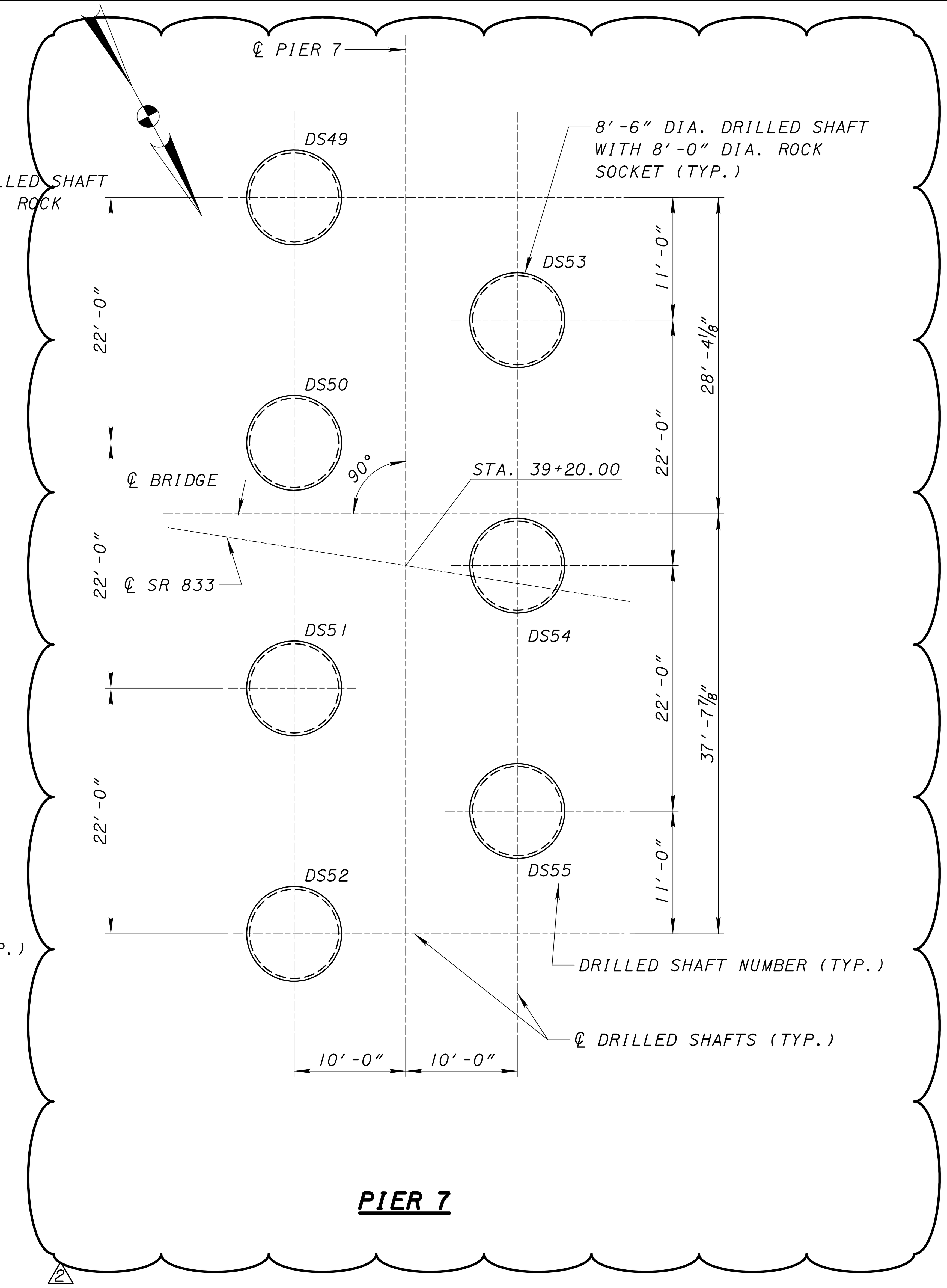
MEG-33-15.70



PIER 6



WV TOWER & OH TOWER



PIER 7

2

NOTES

1. FOR DRILLED SHAFT DETAILS AT PIER 6, SEE SHEET 52/243
2. FOR DRILLED SHAFT DETAILS AT WV TOWER AND OH TOWER, SEE SHEET 57/243
3. FOR DRILLED SHAFT DETAILS AT PIER 7, SEE SHEET 88/243
4. PROOF CORES FOR DRILLED SHAFTS DS49 THRU DS54 SHALL BE DRILLED TO A MINIMUM ELEVATION OF 500.00 AND SHALL MEET ALL OTHER REQUIREMENTS OF GENERAL NOTE 32.1

NUMBER	REVISION	DATE	BY
1	REVISED PIER 7	5/04	MJZ
2	REVISED PIER 7 LAYOUT	6/04	MJZ

DESIGN AGENCY: BRW HAZELET & ERDAL, A URS COMPANY, (513) 651-3440, 36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED MJZ | CHECKED BER | DRAWN BER | REVISED | REVIEWED JRC | DATE 5-02 | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

FOUNDATION LAYOUT - CABLE STAYED BRIDGE
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

50/243

380/582

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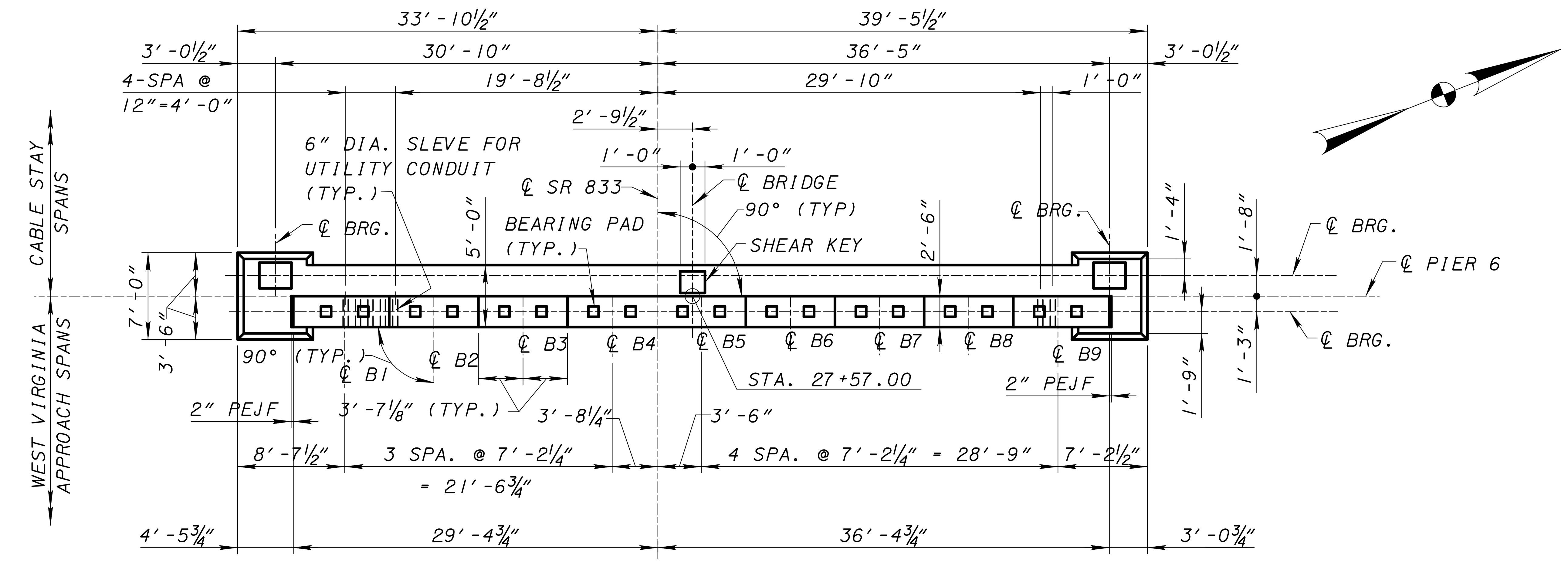
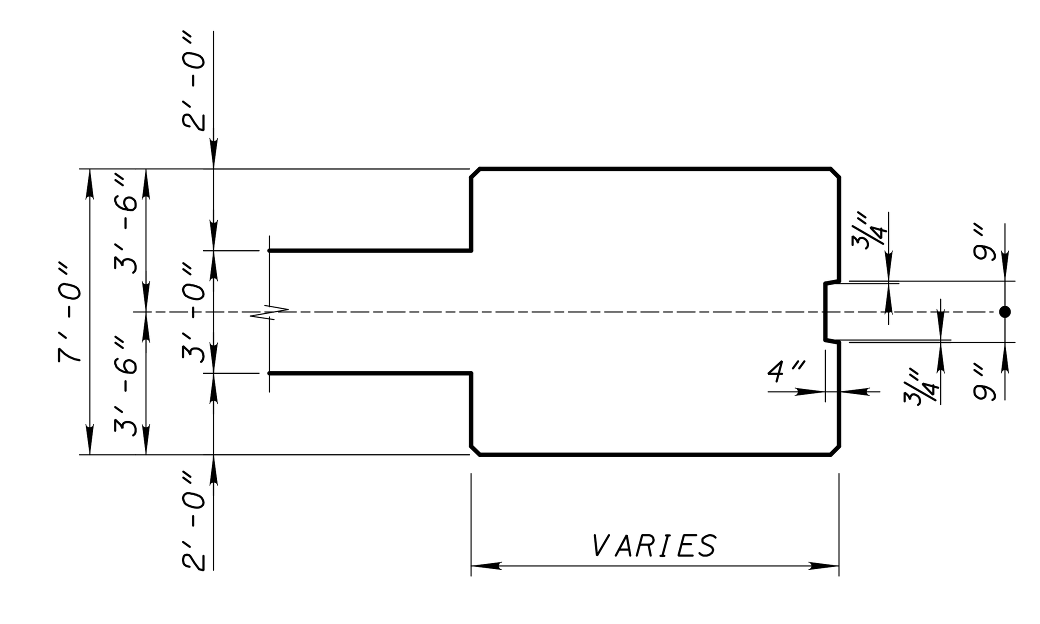
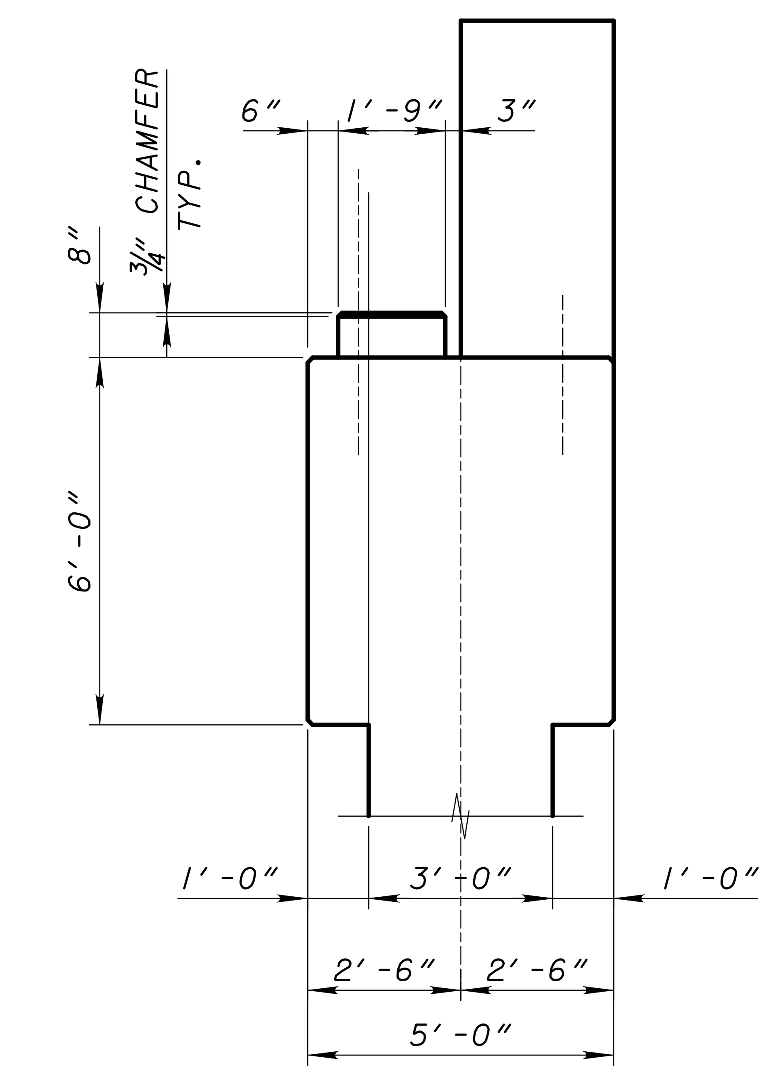


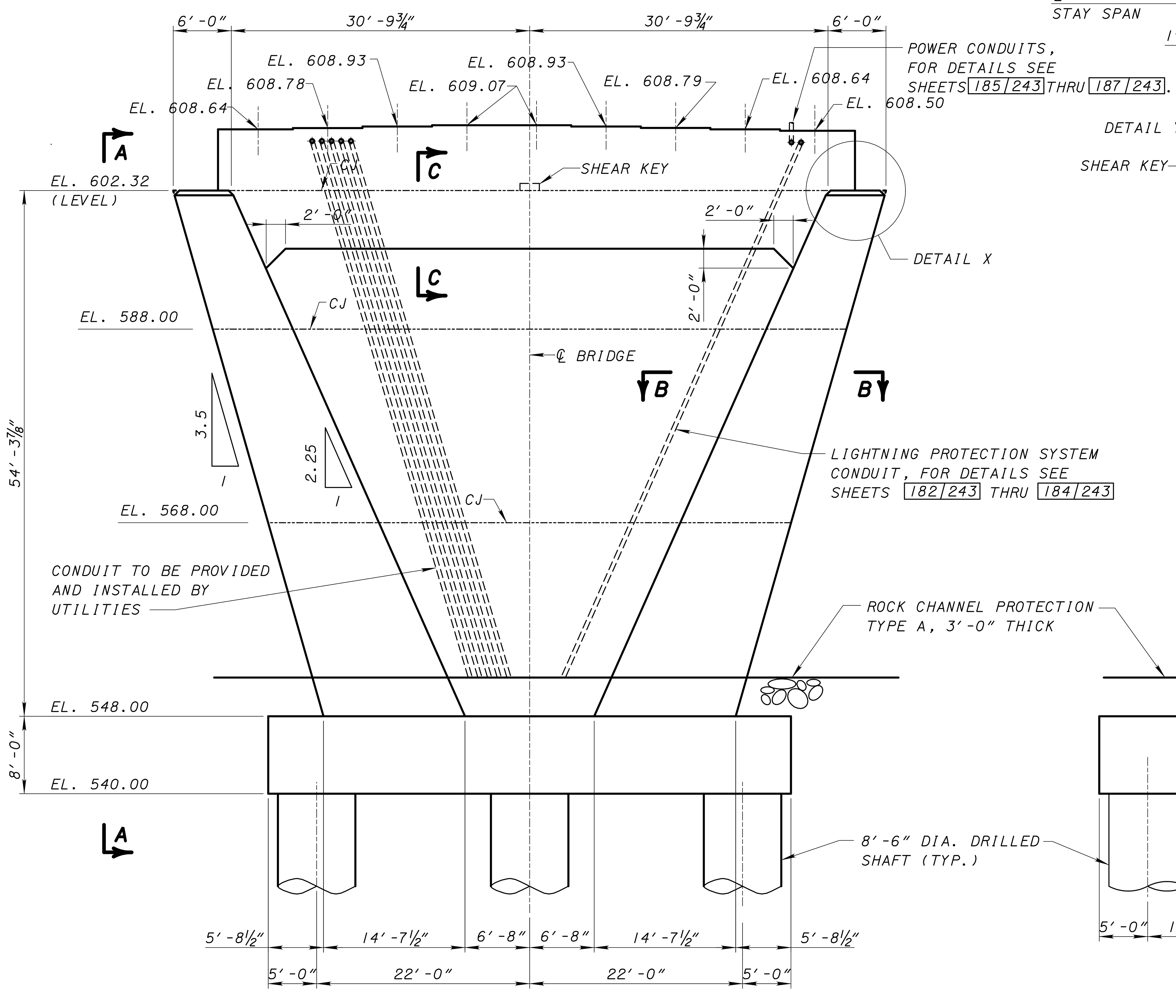
PLAN



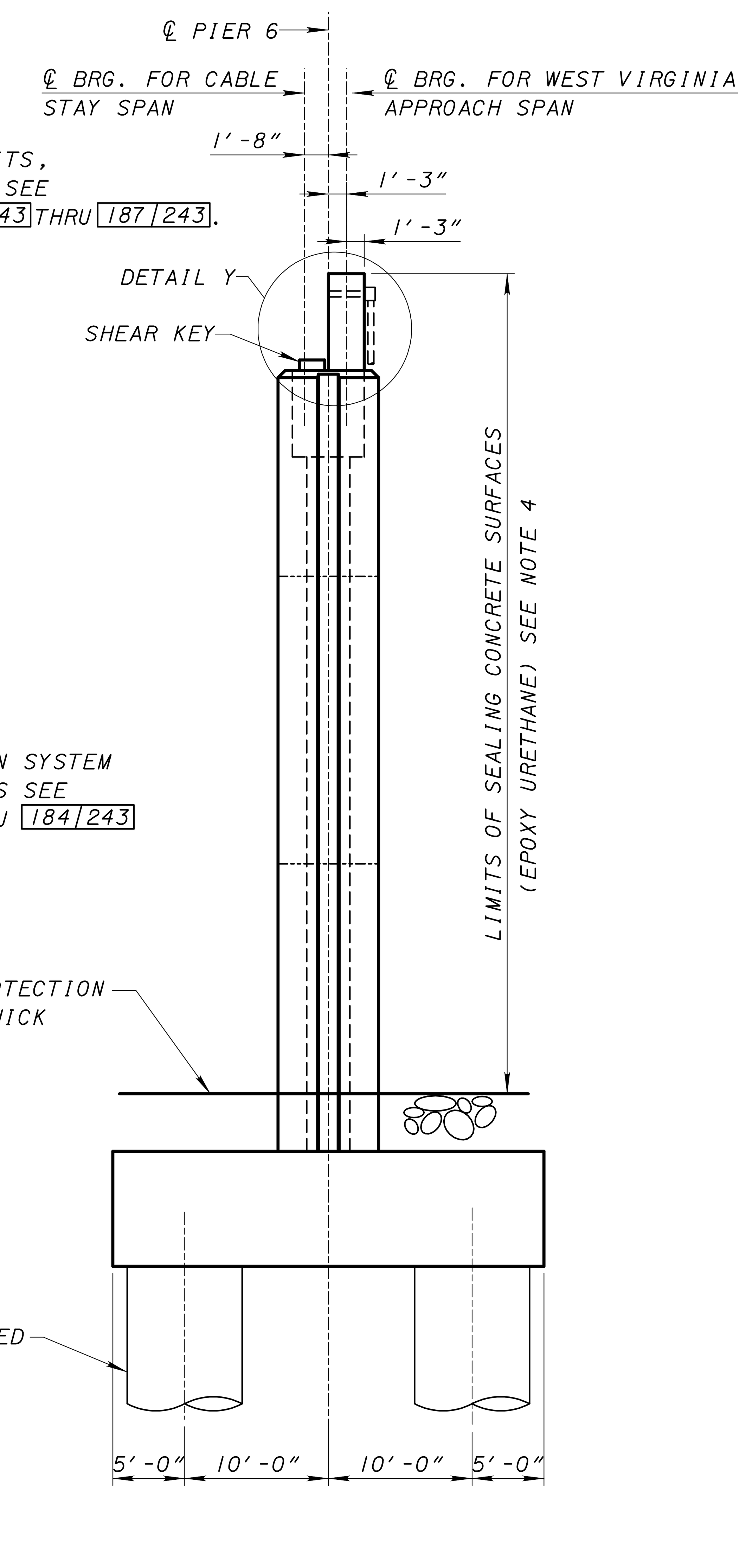
SECTION B-B



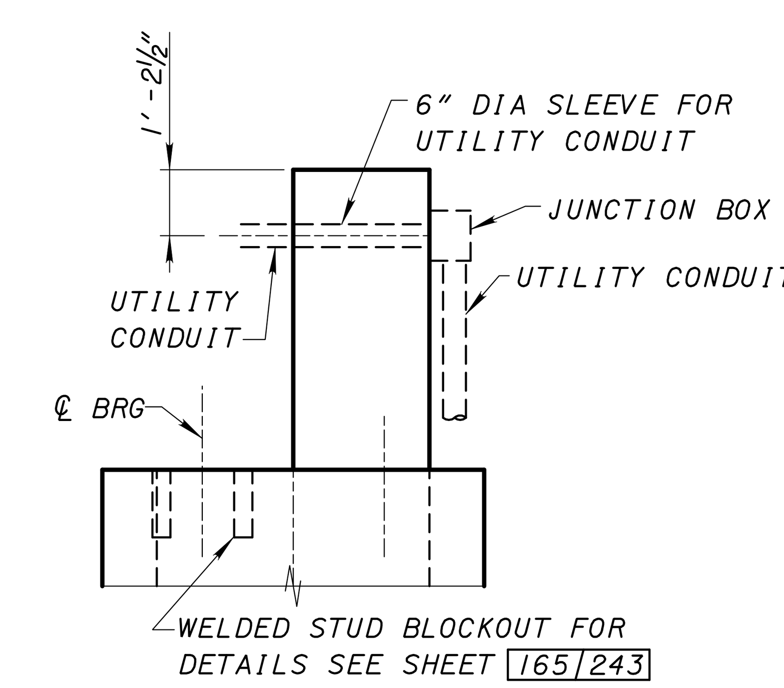
SECTION C-C



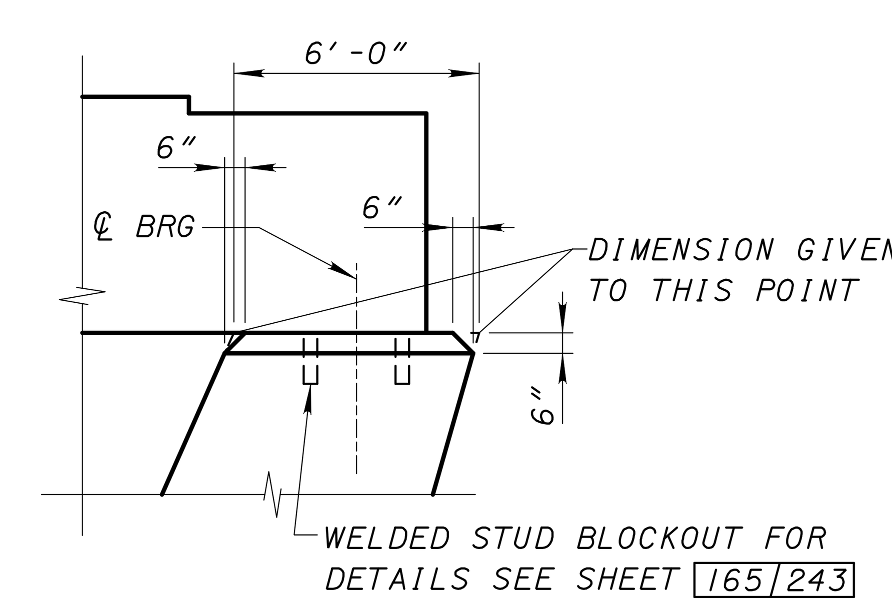
ELEVATION



VIEW A-A



DETAIL Y



DETAIL X

NOTES

1. FOR FOUNDATION LAYOUT, SEE SHEET 12/243.
2. CONTRACTOR IS RESPONSIBLE FOR ALL MATERIALS AND LABOR NECESSARY TO INSTALL THE SLEEVES, JUNCTION BOXES, AND CONDUIT RUNS UNLESS NOTED ON THE PLANS. COST OF LABOR AND MATERIALS SHALL BE INCIDENTAL TO CONCRETE FOR THE PIER.
3. ALL EXPOSED CONCRETE SURFACES FROM THE GROUND LINE TO THE TOP OF THE BEAM SEATS SHALL BE SEALED WITH AN EPOXY URETHANE SEALER, EXCEPT FOR BEARING SURFACES.

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
BER	BER	JRC	5-02
CHECKED MJZ	REVISED	STRUCTURE FILE NUMBER 5300916 OH 10385 WV	

PIER 6 GEOMETRY
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

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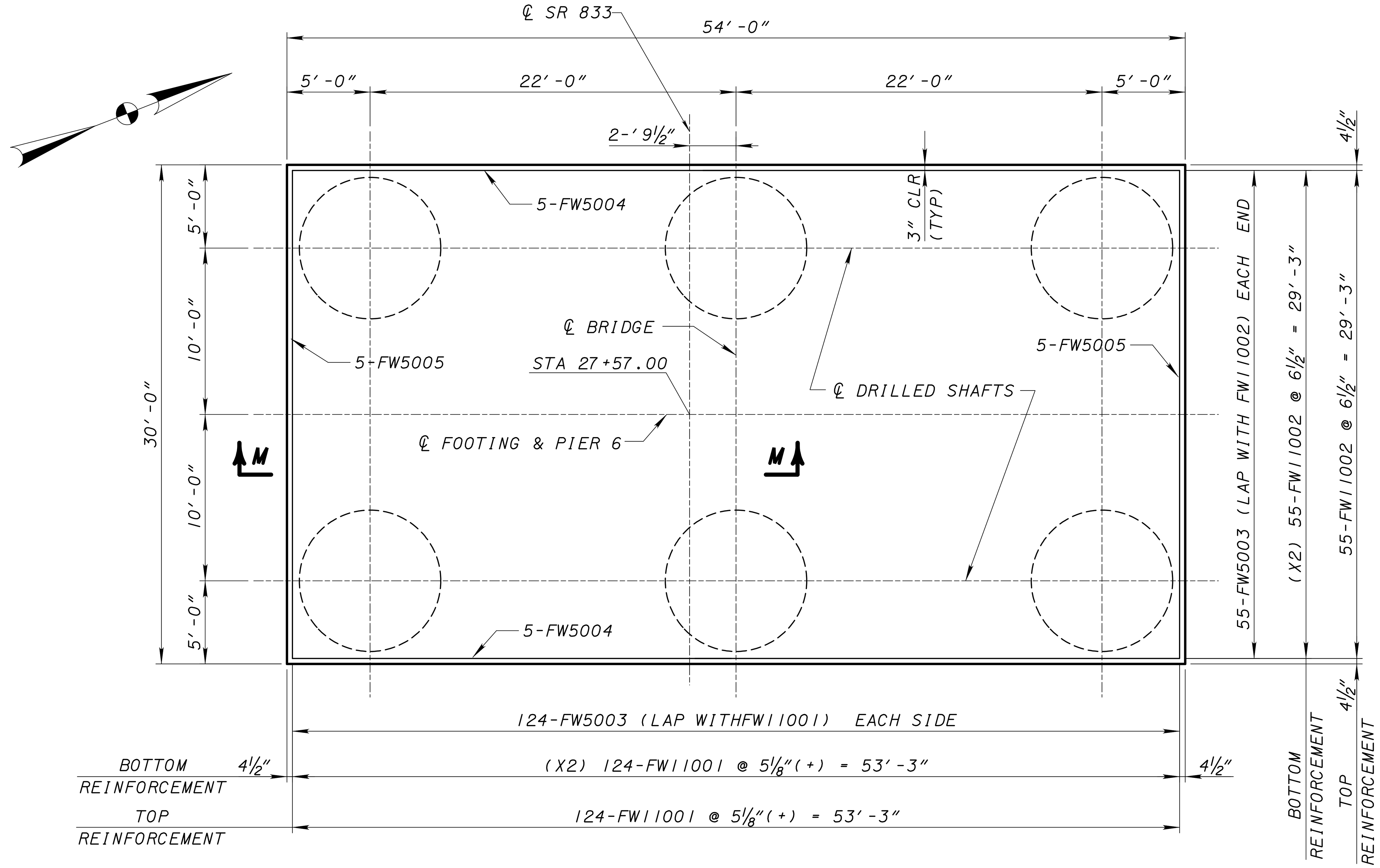
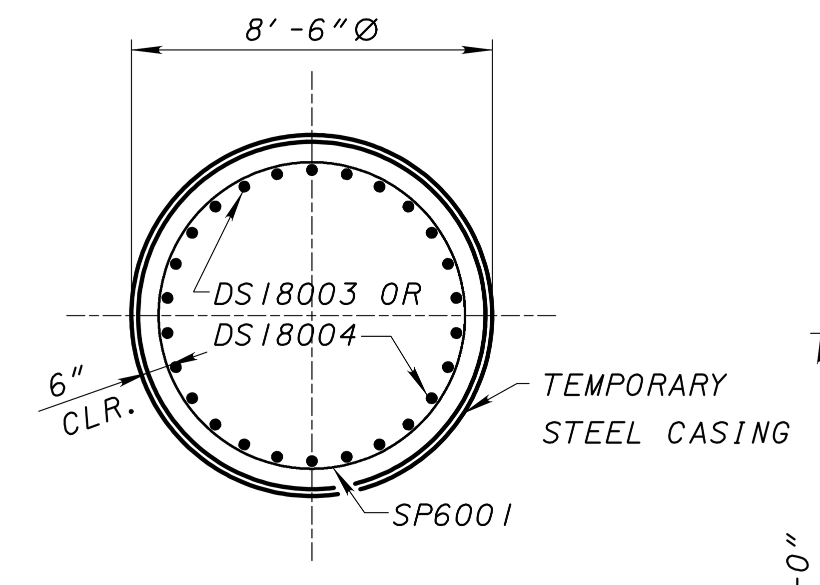
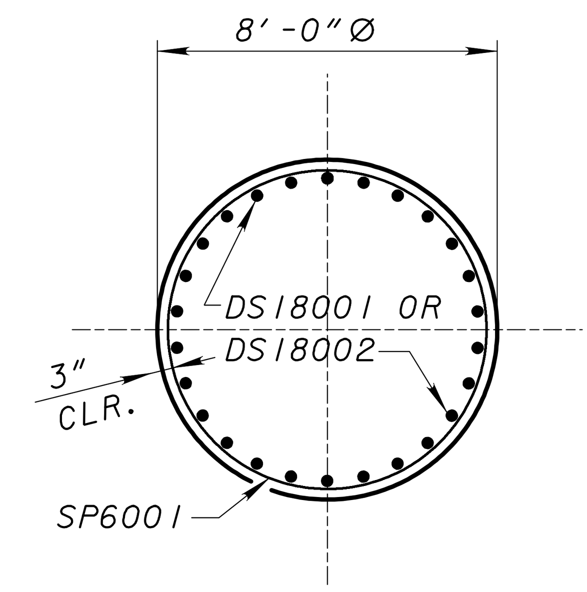


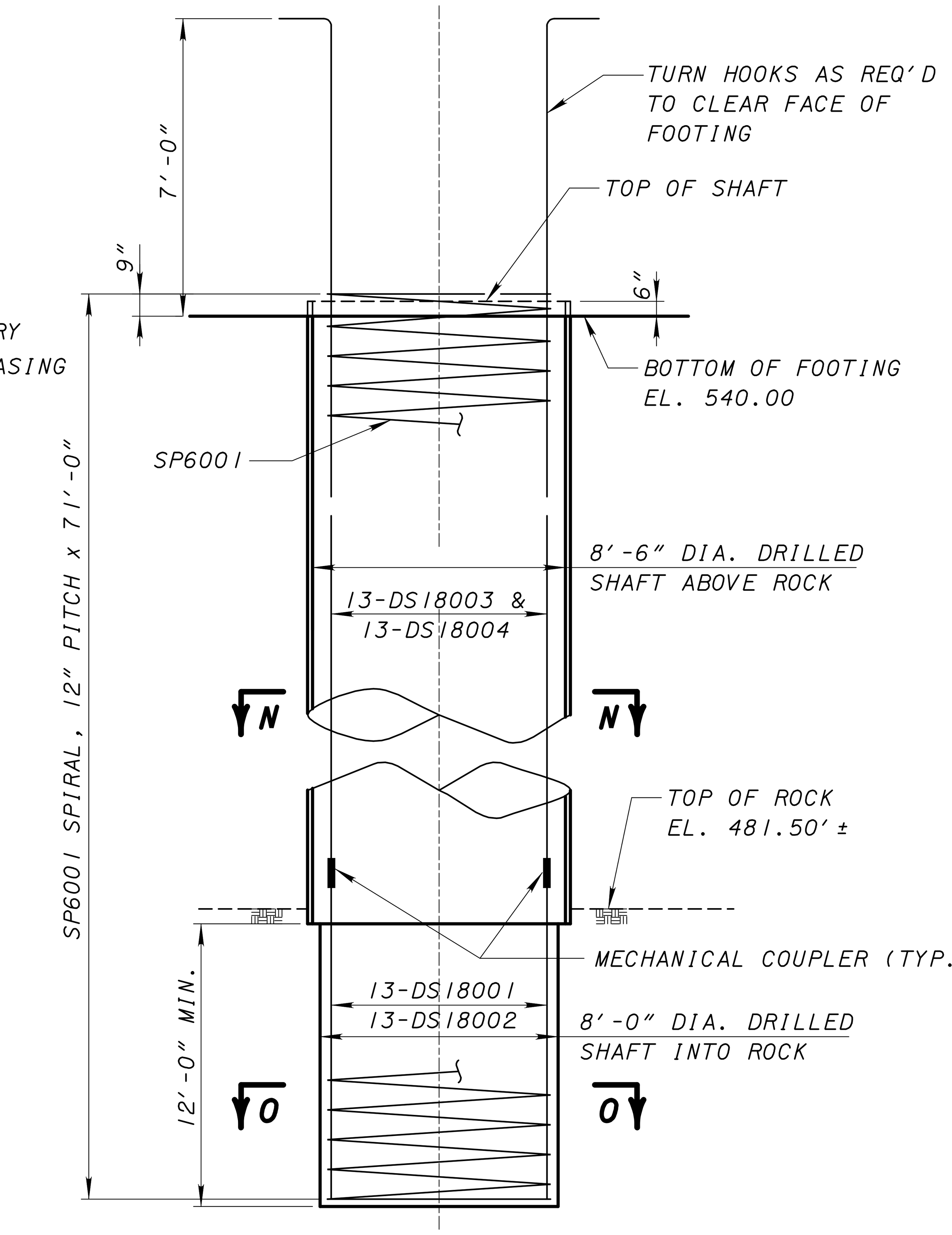
FOOTING PLAN



SECTION N-N

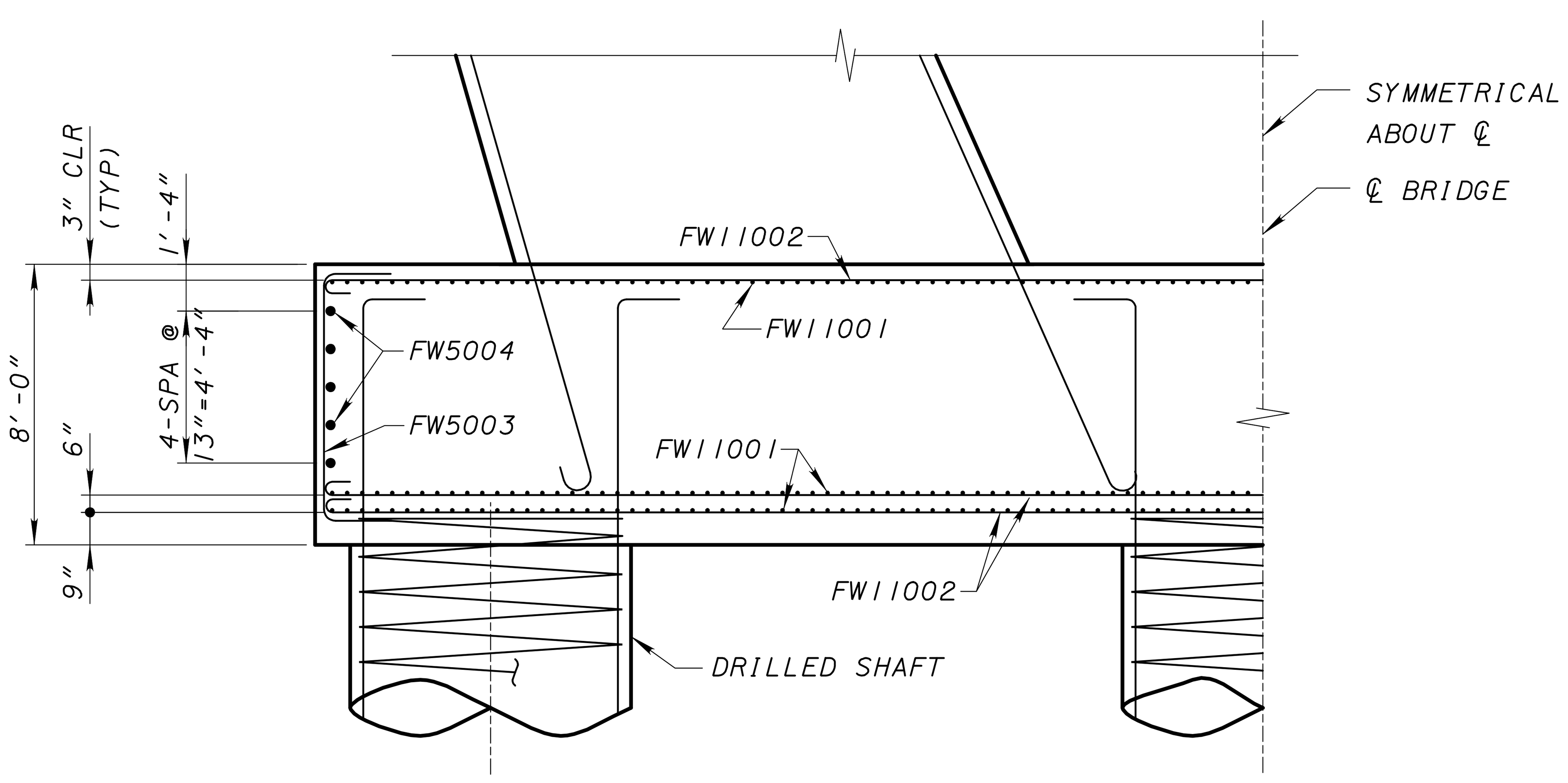


SECTION O-O



ELEVATION

DRILLED SHAFT DETAILS



SECTION M-M

DRILLED SHAFT NOTES

1. THE CONTRACTOR SHALL SUBMIT PLANS SHOWING METHOD OF CONSTRUCTING THE DRILLED SHAFT FOUNDRATIONS TO THE ENGINEER FOR REVIEW.
2. DRILLED SHAFTS ARE DETAILED WITH CONTINUOUS SPIRALS. SPIRALS SHALL BE TERMINATED WITH 1½ TURNS TOP AND BOTTOM. CONTRACTOR MAY OPTIONALLY PROVIDE SPLICED OR COUPLED SPIRALS AND HOOPS IN ACCORDANCE WITH AASHTO SPECIFICATIONS. SIZE AND SPACING OF OPTIONAL HOOPS SHALL MATCH CONTINUOUS SPIRAL REINFORCEMENT SHOWN. ANY VARIATION FROM DETAILS SHOWN ON THESE PLANS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW

NOTES

1. FOR REINFORCING STEEL LIST, SEE SHEET 204/243
2. FOR FOUNDATION LAYOUT, SEE SHEET 12/243

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
BER	BER	JRC	5-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
MJZ		530916 OH 10385 WV	

PIER 6 REINFORCEMENT (1)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

52/243

382/582

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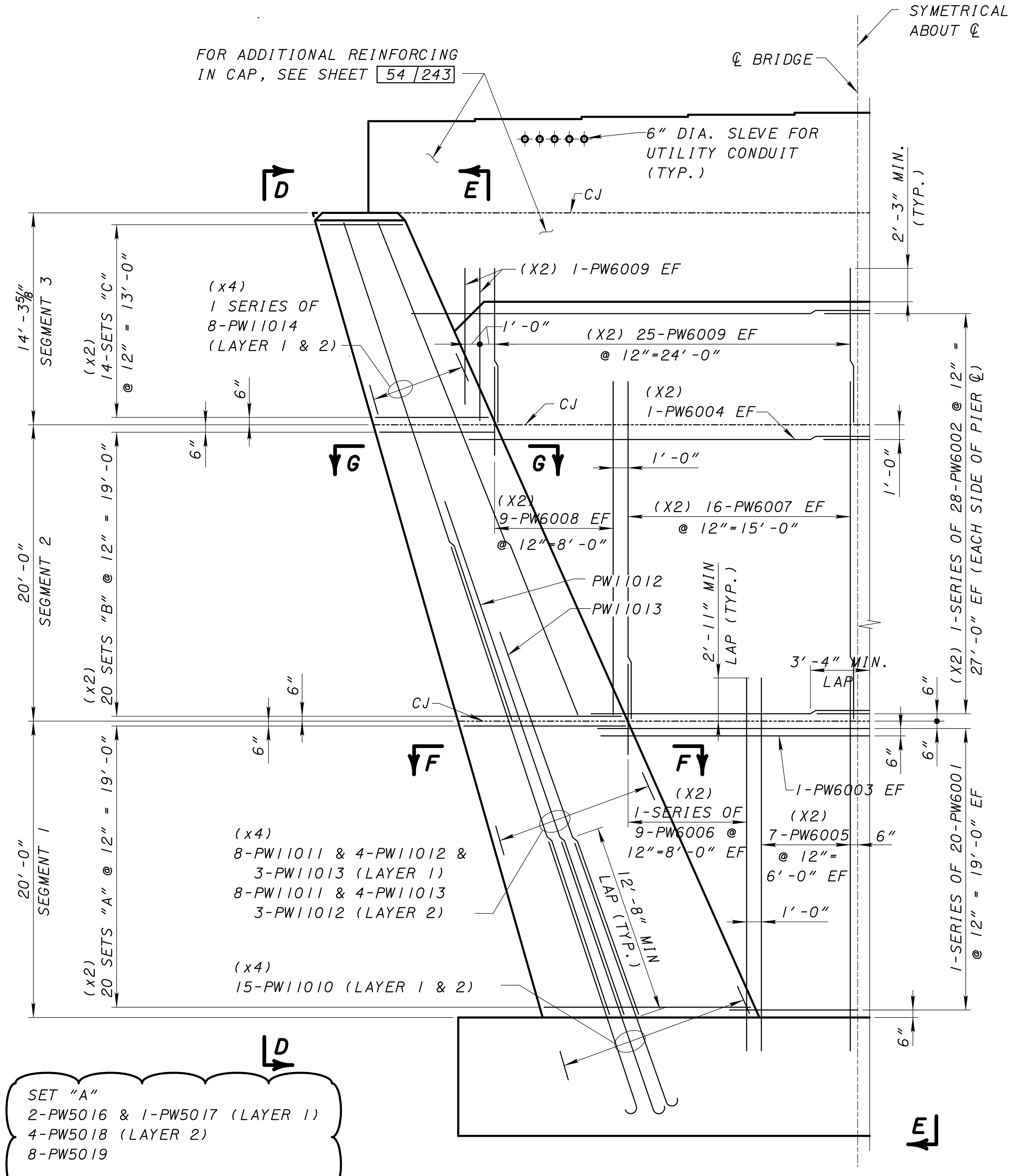
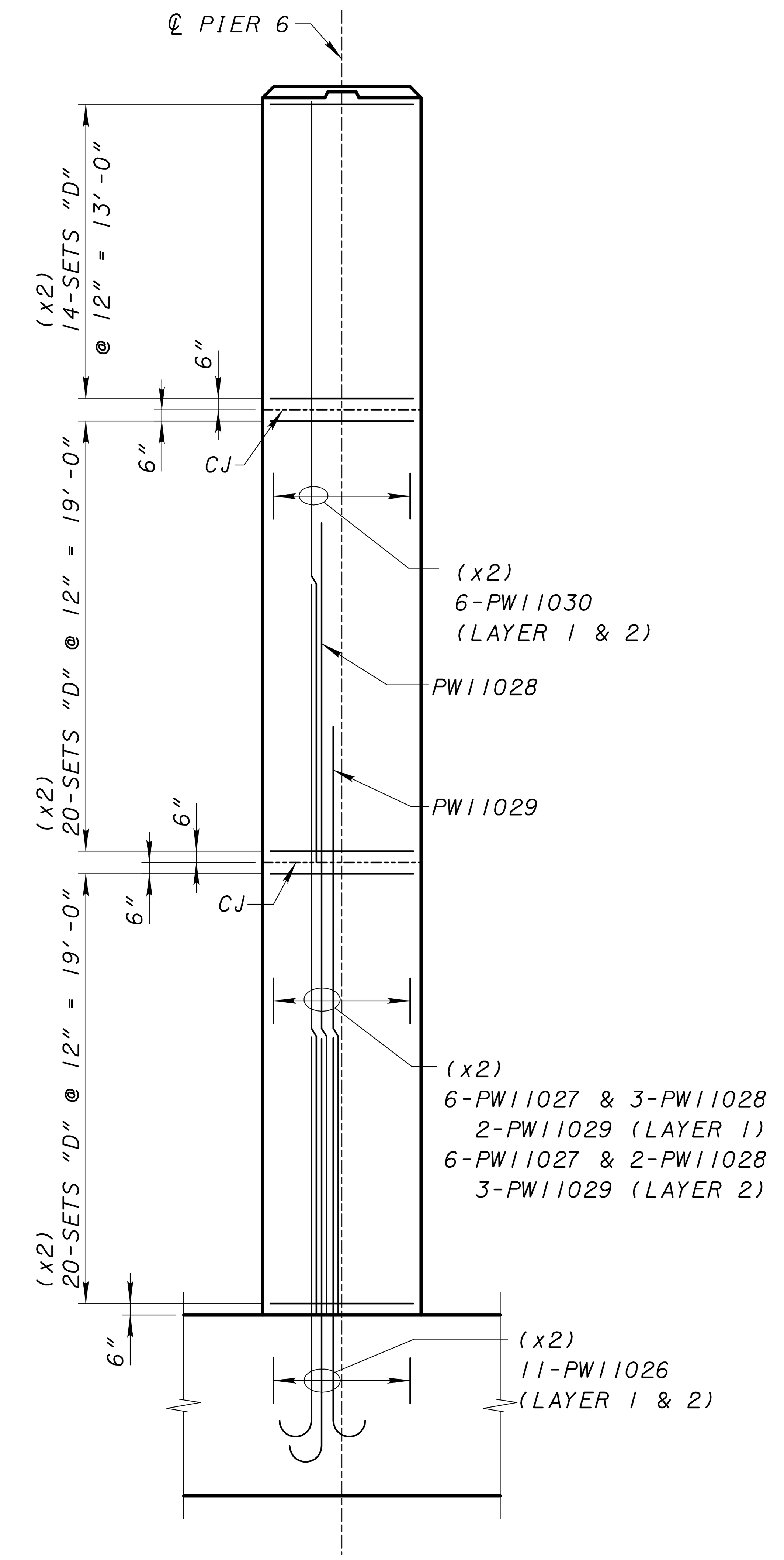


SET "A"
2-PW5016 & 1-PW5017 (LAYER 1)
4-PW5018 (LAYER 2)
8-PW5019

SET "B"
2-PW5020 & 1-PW5021 (LAYER 1)
4-PW5022 (LAYER 2)
8-PW5047

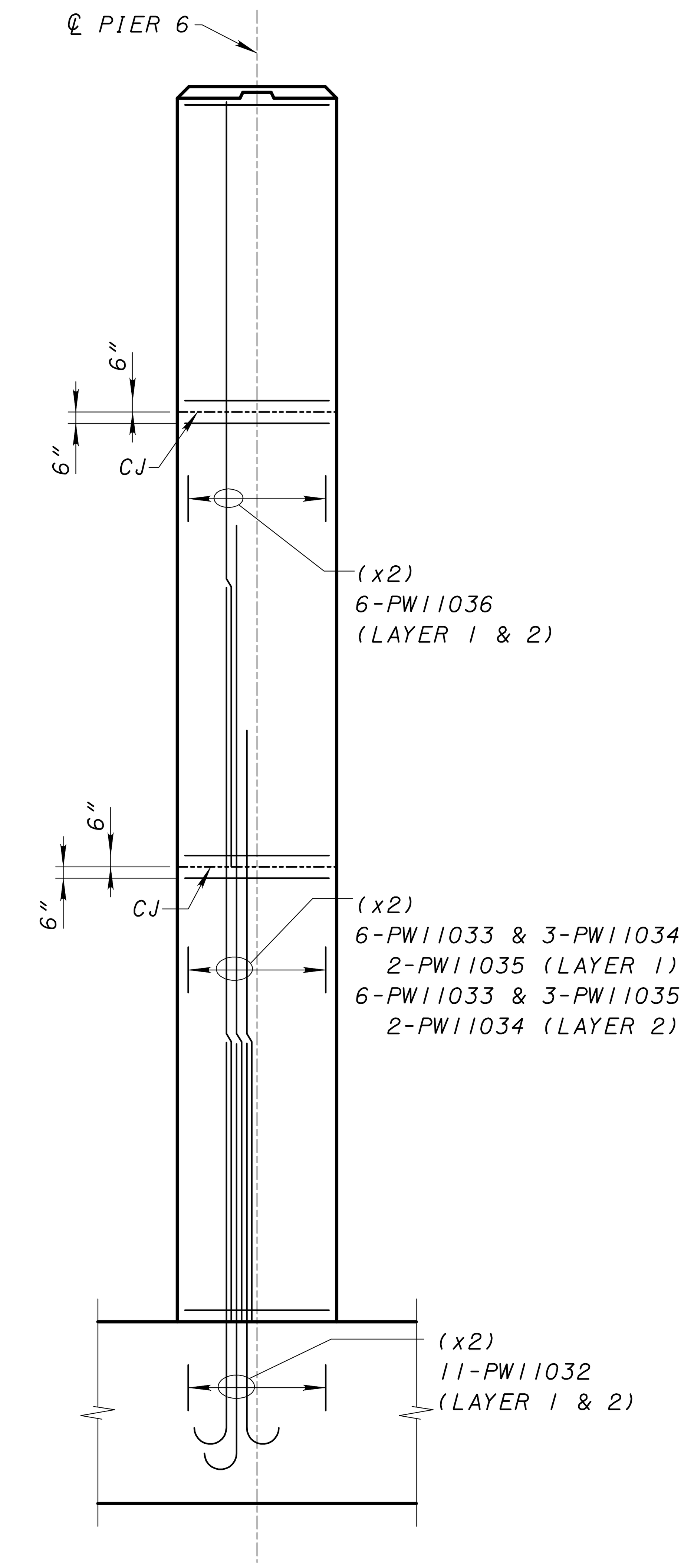
SET "C"
2-PW5023 & 1-PW5024 (LAYER 1)
4-PW5025 (LAYER 2)
8-PW5048

HALF ELEVATION



VIEW D-D

SET "D"
7-PW5031



VIEW E-E

NOTES

1. FOR REINFORCING STEEL LIST, SEE SHEET 204/243 .

NUMBER	REVISION	DATE	BY
2	REVISED REINFORCING	2/03	MJZ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED BER | DRAWN BER | REVIEWED JRC | DATE 5-02
CHECKED MJZ | REVISED | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

PIER 6 REINFORCEMENT (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

53/243

383/582

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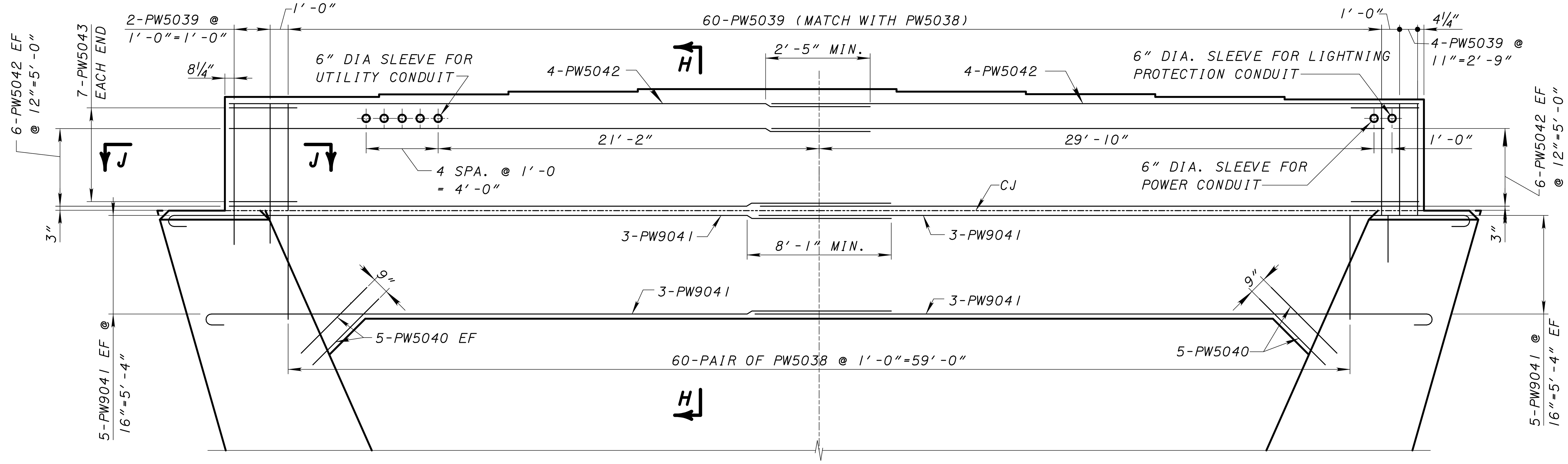
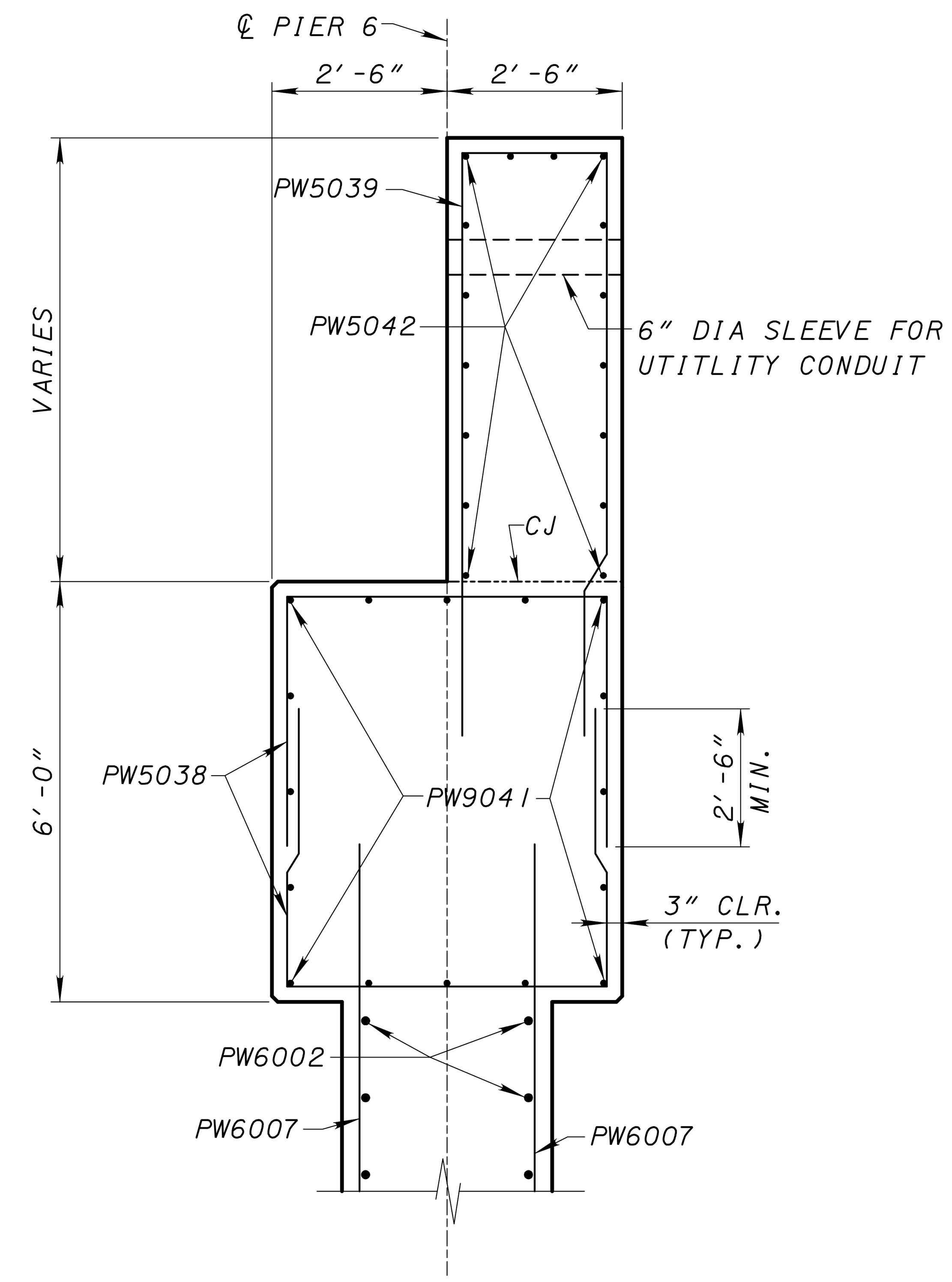
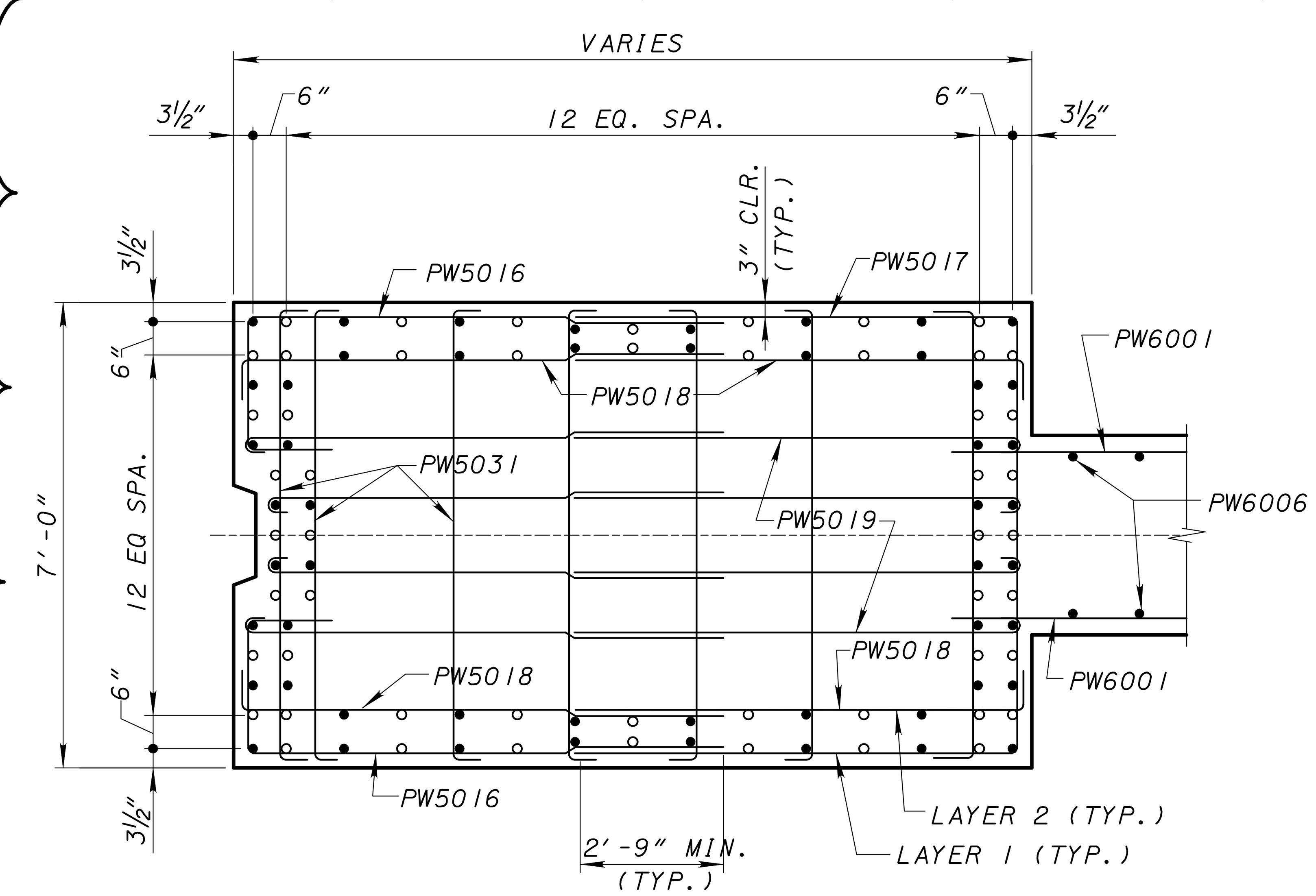


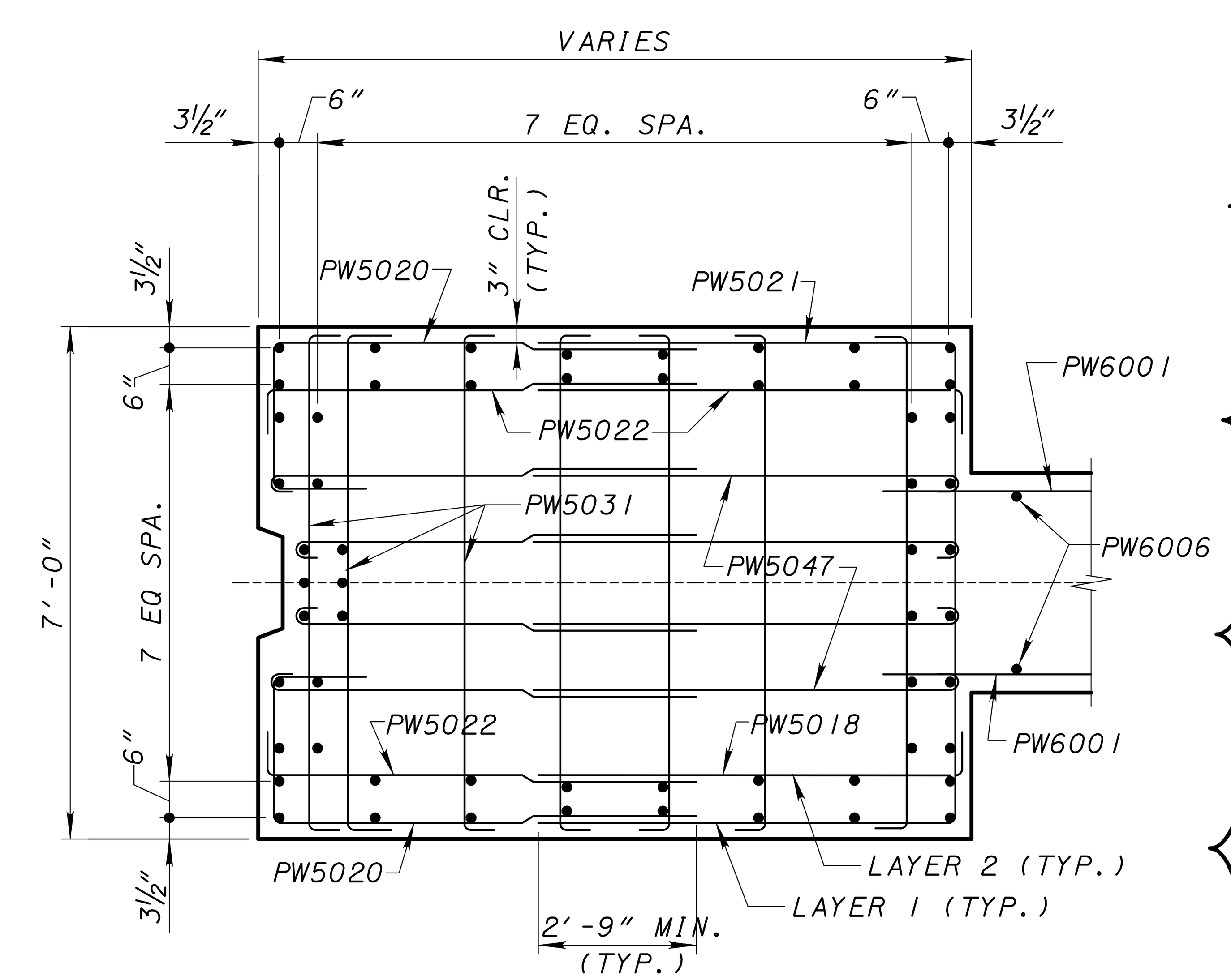
PART ELEVATION



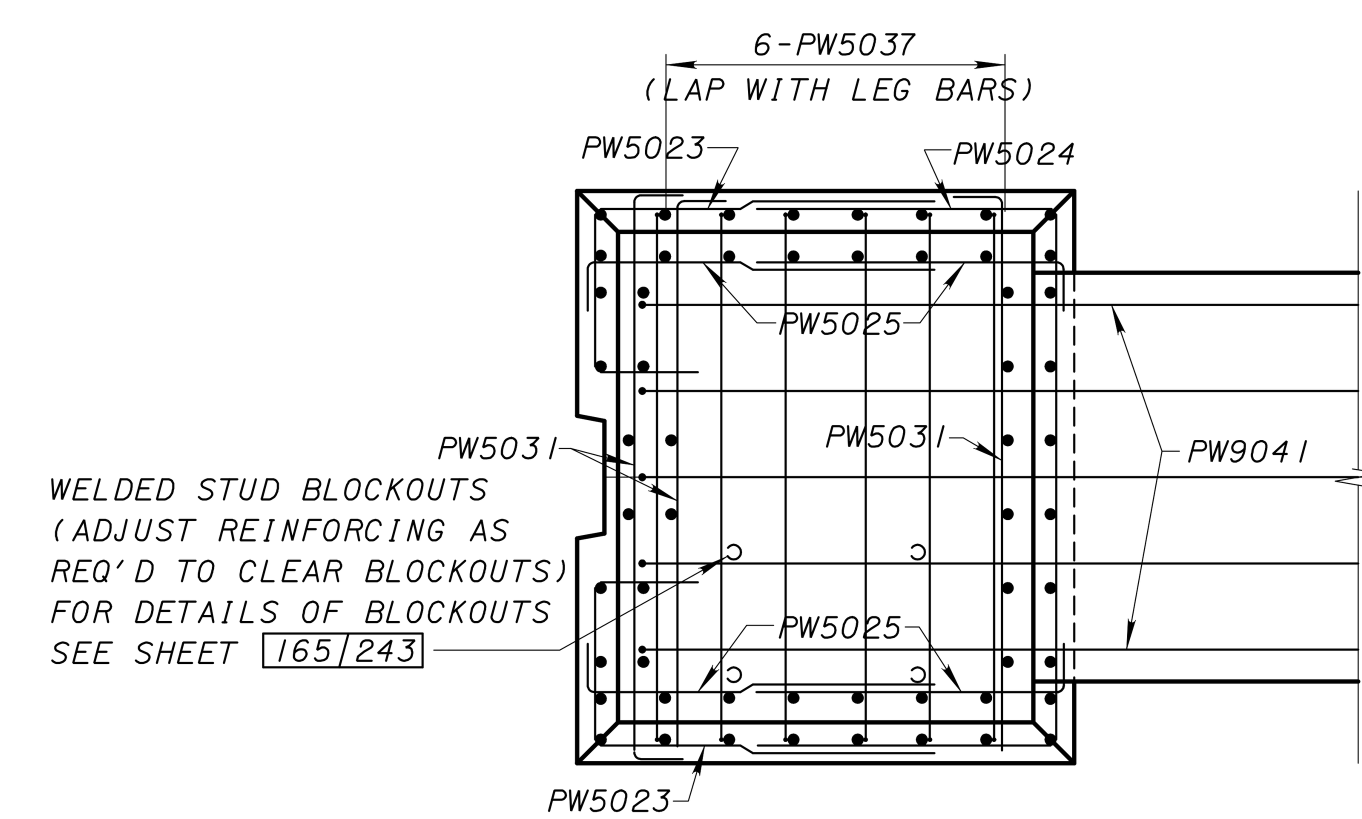
SECTION H-H



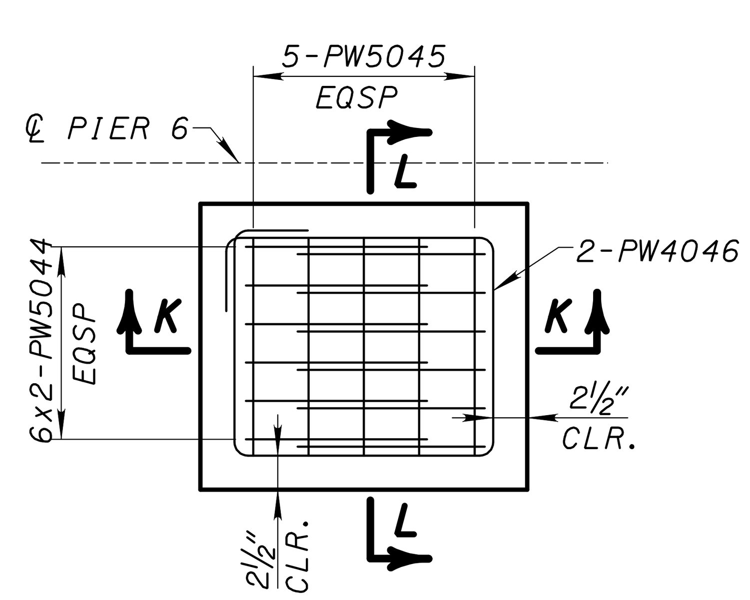
SECTION F-F



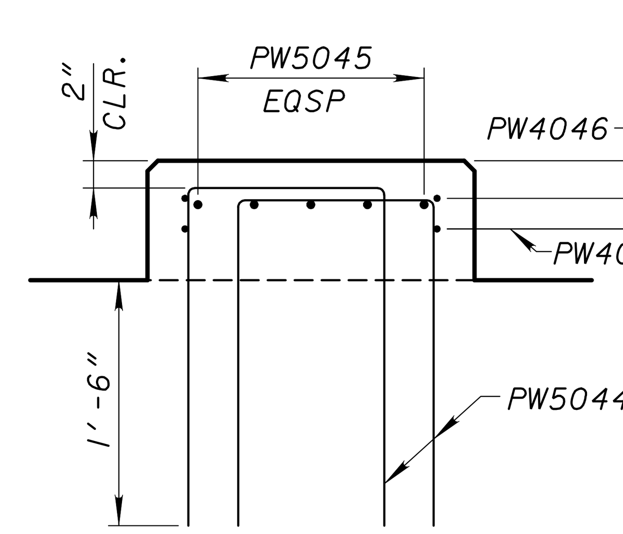
SECTION G-G



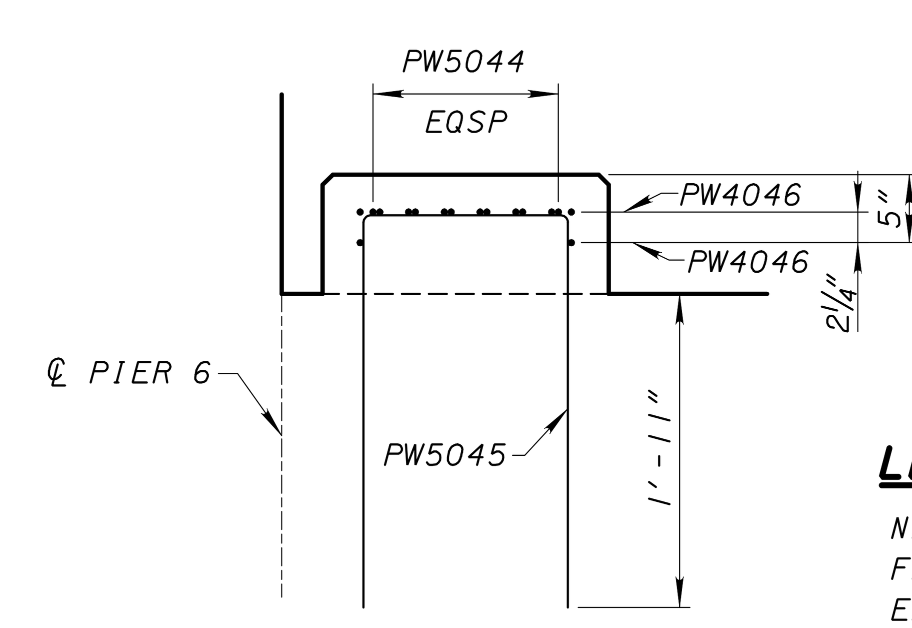
SECTION J-J



SHEAR KEY REINFORCING PLAN



SECTION K-K



SECTION L-L

LEGEND

NF - NEAR FACE
FF - FAR FACE
EF - EACH FACE
• - CONTINUOUS REINFORCEMENT
∘ - INTERMEDIATE REINFORCEMENT
EQSP - EQUAL SPACES

NOTES

1. FOR REINFORCEING STEEL LIST, SEE SHEET 204/243

NUMBER	REVISION	DATE	BY
2	REVISED REINFORCING	2/03	MJZ

DESIGN AGENCY: BRW HAZELET & ERDAL, A URS COMPANY (513) 651-3440, 36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

REVIEWED: JRC — DATE: 5-02 — STRUCTURE FILE NUMBER: 5300916 OH, 10385 WV

DESIGNED: BER — DRAWN: BER — CHECKED: MJZ — REVISED

PIER 6 REINFORCEMENT (3)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

54/243

384/582

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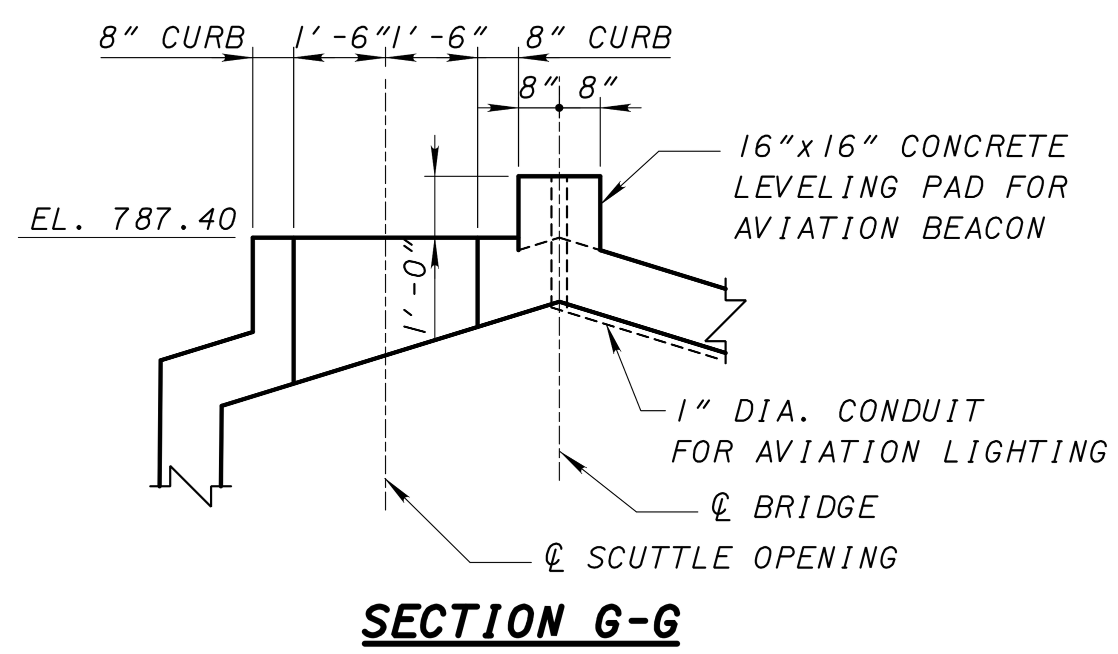
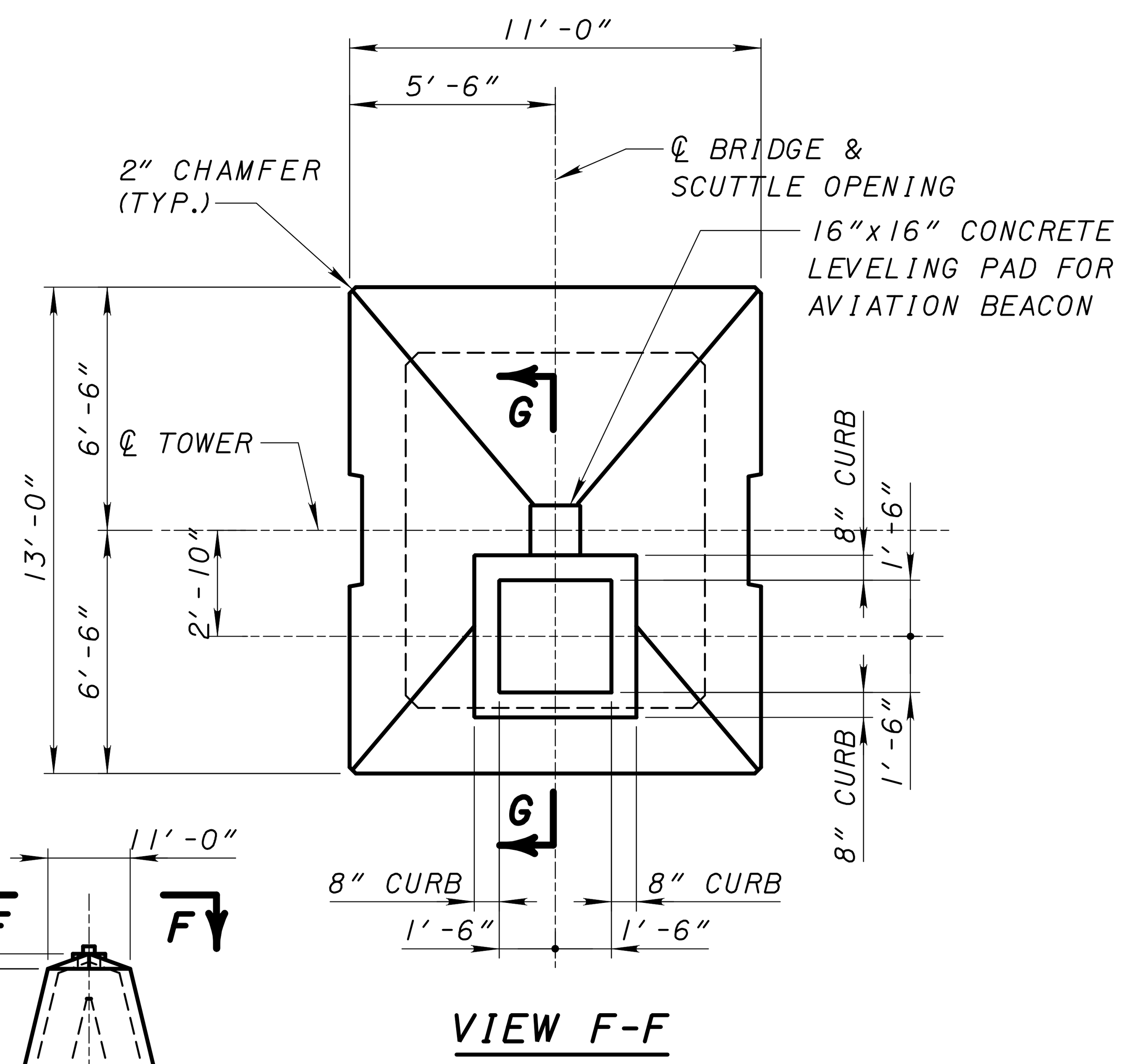
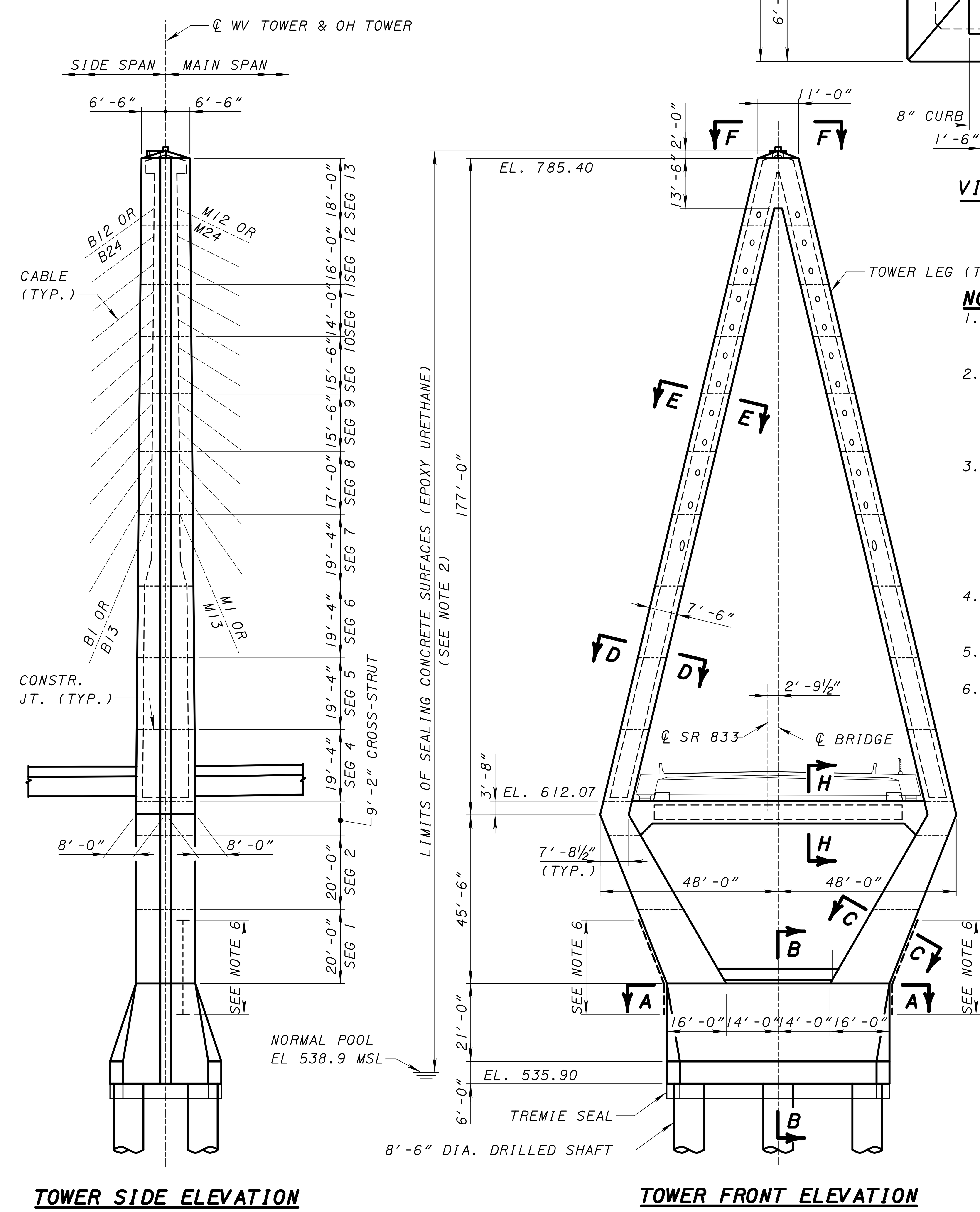


SECTION G-G



VIEW F-F

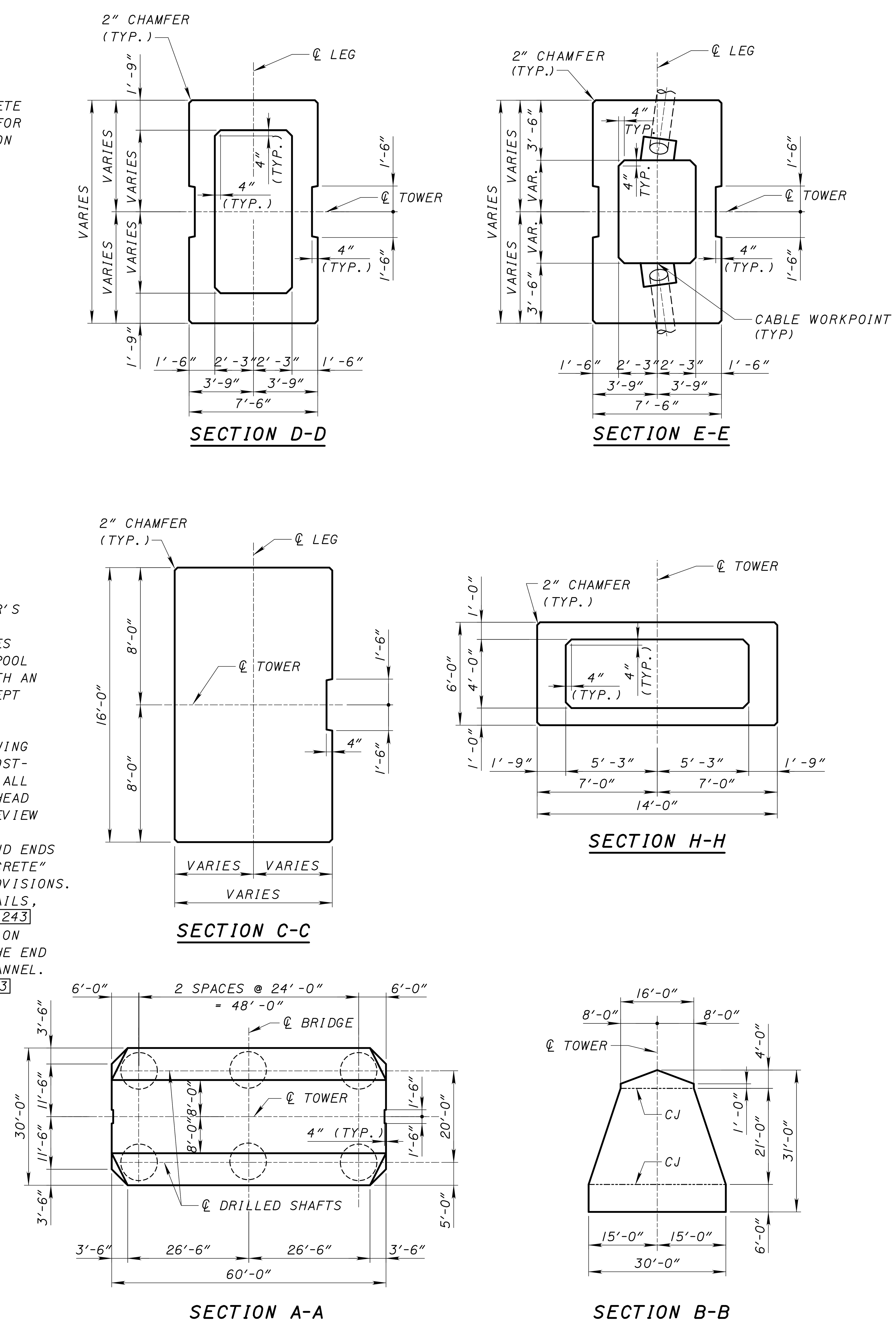


TOWER SIDE ELEVATION

TOWER FRONT ELEVATION

NOTES

1. CONSTRUCTION JOINTS MAY BE RELOCATED SUBJECT TO ENGINEER'S APPROVAL.
2. ALL EXTERIOR CONCRETE SURFACES FROM TOP OF TOWER TO NORMAL POOL ELEVATION SHALL BE SEALED WITH AN (EPOXY URETHANE) SEALER, EXCEPT FOR BEARING SURFACES.
3. THE CONTRACTOR SHALL SUBMIT INTEGRATED SHOP DRAWINGS SHOWING DETAILS OF REINFORCEMENT, POST-TENSIONING, STAY CABLES, AND ALL OTHER APPURTANCES FOR TOWER HEAD REGION LIFTS 7 THRU 13 FOR REVIEW BY THE ENGINEER.
4. TOWER FOOTING, LOWER LEGS, AND ENDS OF CROSS-STRUT ARE "MASS CONCRETE" AS DEFINED IN THE SPECIAL PROVISIONS.
5. FOR LIGHTNING PROTECTION DETAILS, SEE SHEETS 182/243 THRU 184/243
6. CLEARANCE GAUGE TO BE PLACED ON BOTH SIDES OF THE TOWER ON THE END CLOSEST TO THE NAVIGATION CHANNEL. FOR DETAILS SEE SHEET 56/243



DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
MJZ	GJW	JRC	5-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
CEJ		530096 OH 10385 WV	

TOWER GEOMETRY (I)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

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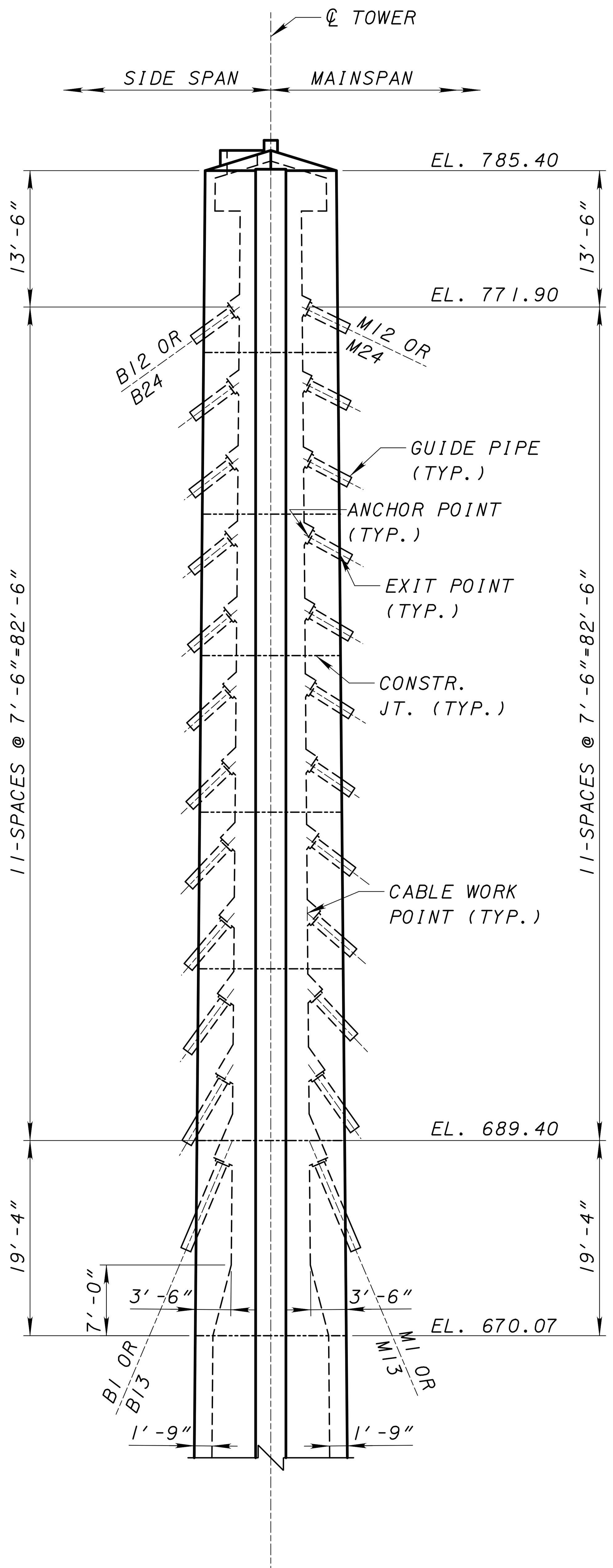
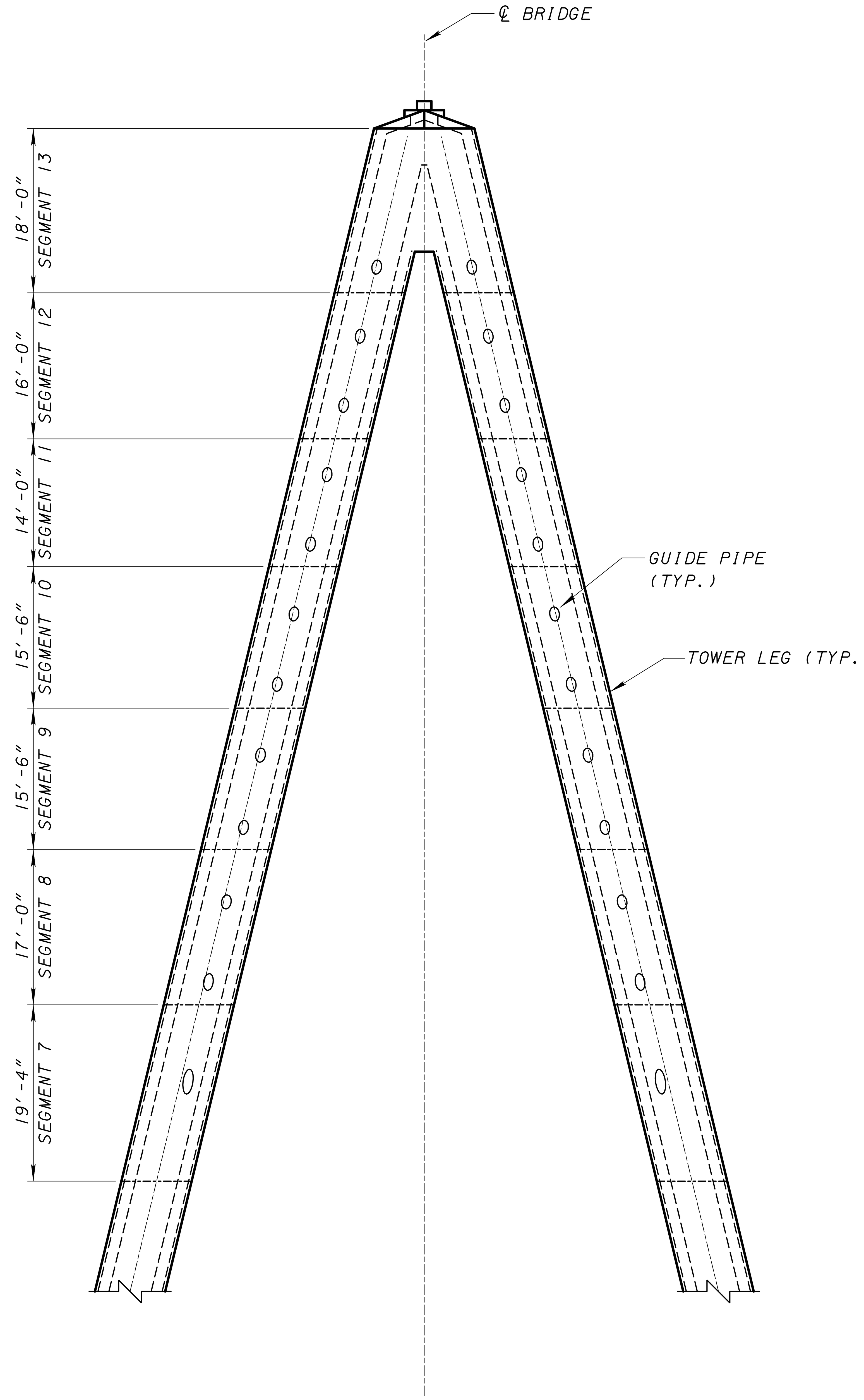
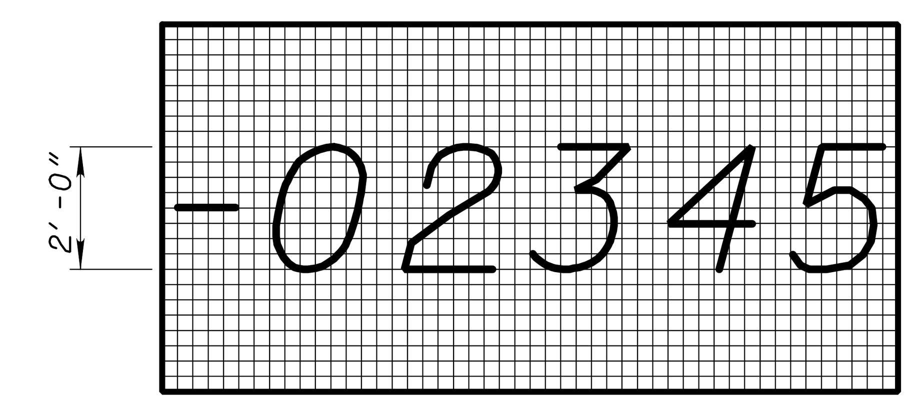


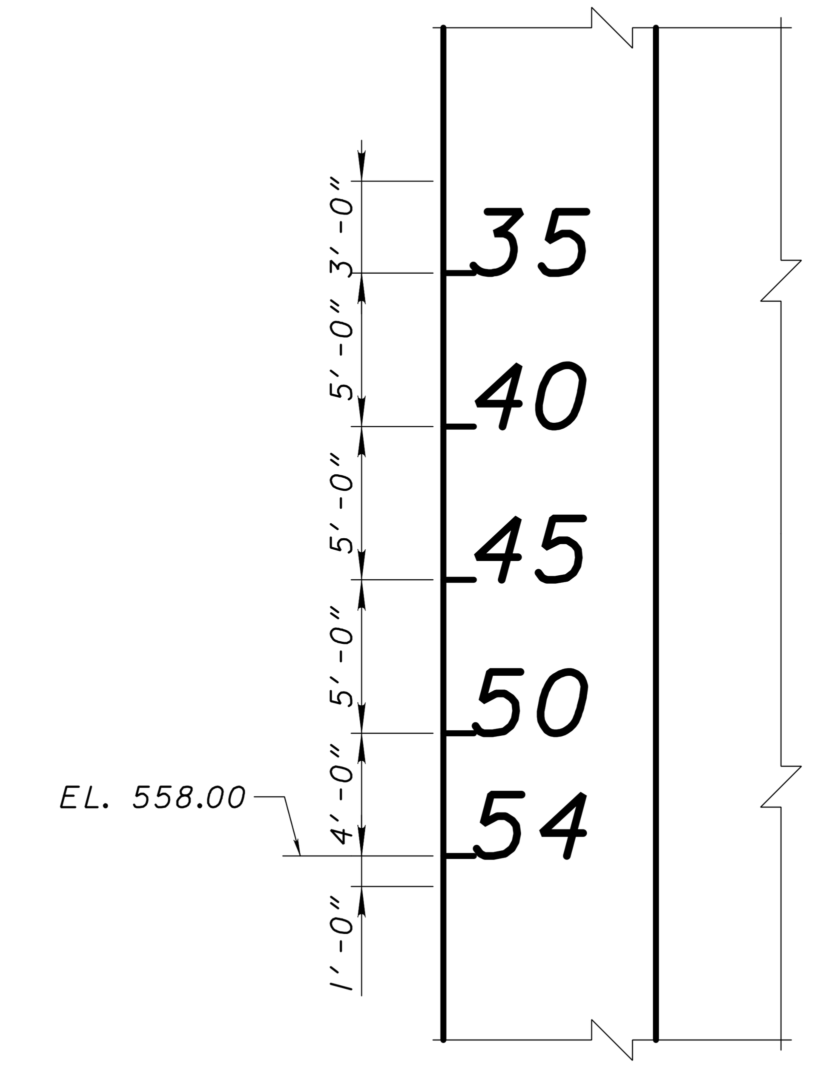
SIDE VIEW



ELEVATION - CABLE ANCHORAGE AT TOWERS



DETAIL OF CLEARANCE GAUGE NUMERALS AND FOOT MARK



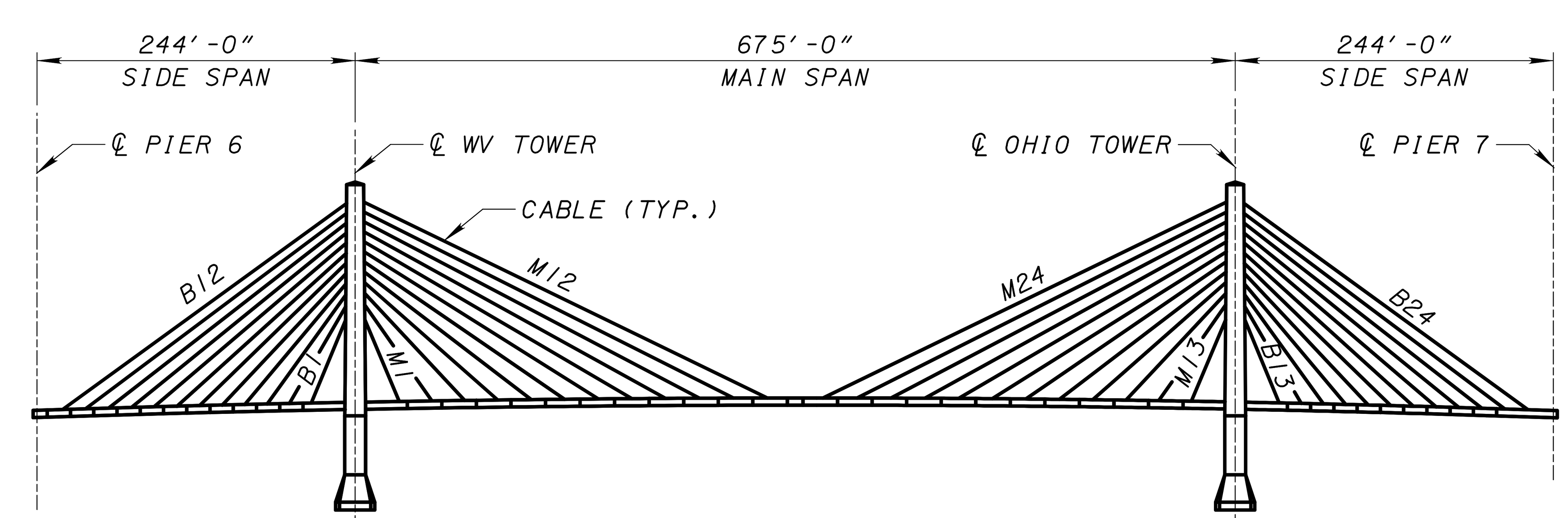
CLEARANCE GAUGE DETAIL

CLEARANCE GAUGE NOTES

1. GAUGE NUMBERS AND ELEVATION MARKS SHALL BE BLACK.
2. COST OF PLACING CLEARANCE NUMBERS SHALL BE INCIDENTAL TO ITEM 864 SEALING OF CONCRETE SURFACES (EPOXY-URETHANE).

NOTES

1. FOR STAY CABLE GEOMETRY, SEE SHEETS 157/243 THRU 160/243



KEY PLAN

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
MJZ	GJW	JRC	5-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
CEJ		5300916 OH 10385 WV	

TOWER GEOMETRY (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

56/243

386/582

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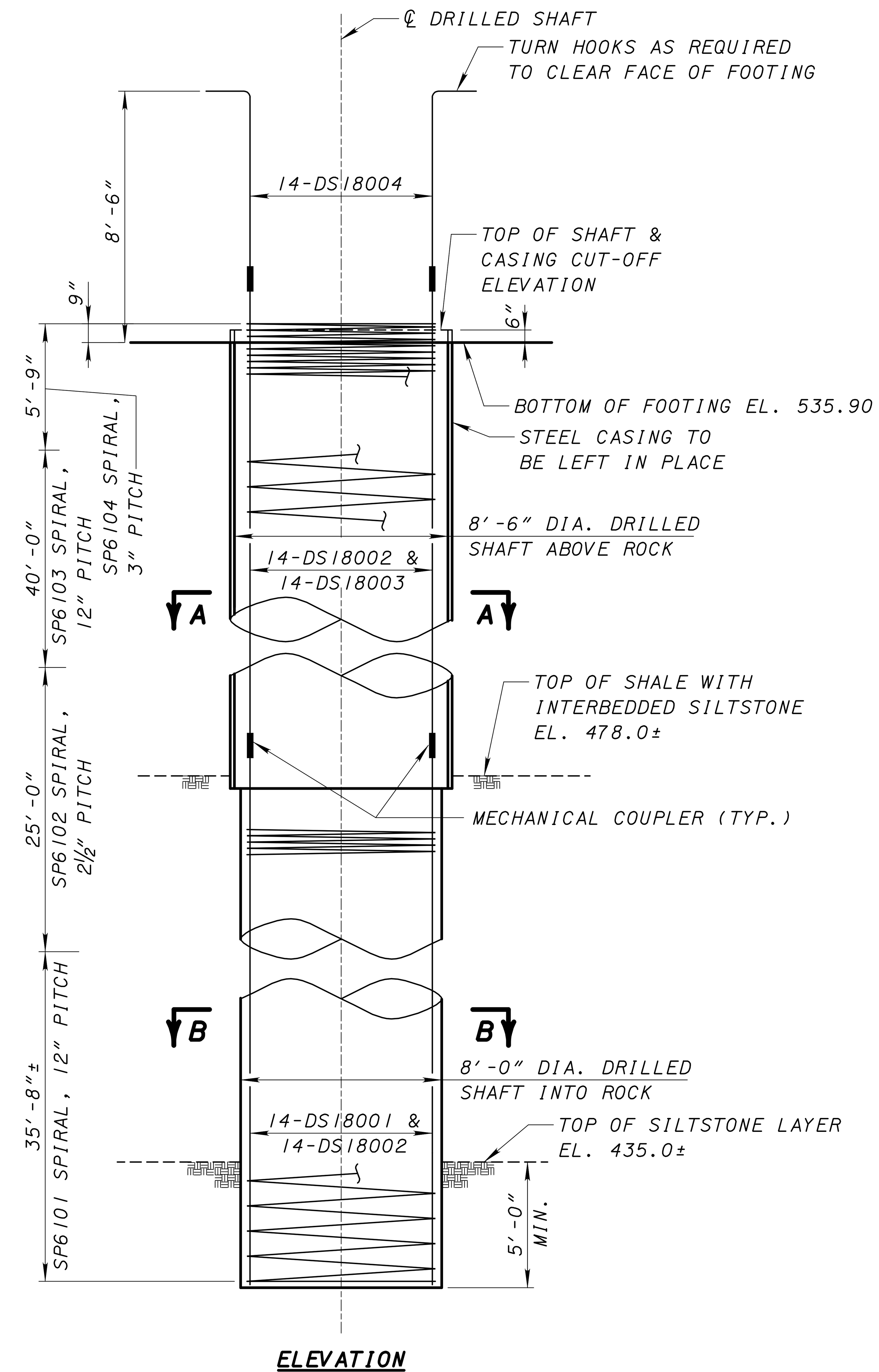
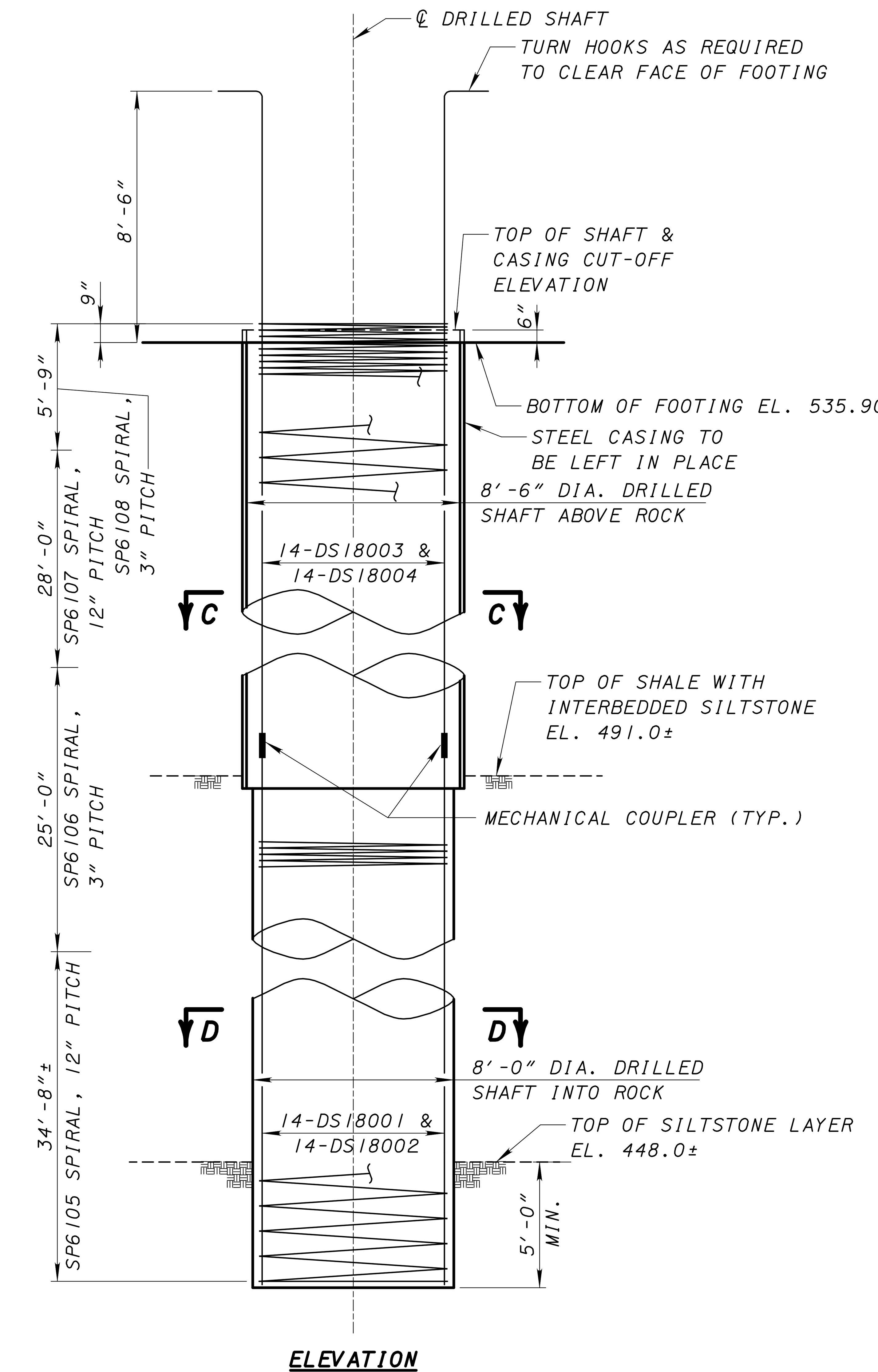


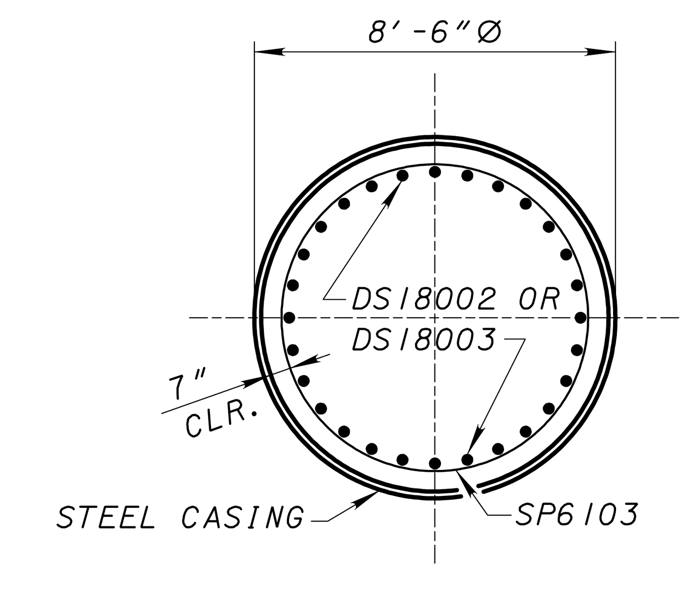
ELEVATION

WV TOWER DRILLED SHAFT DETAILS

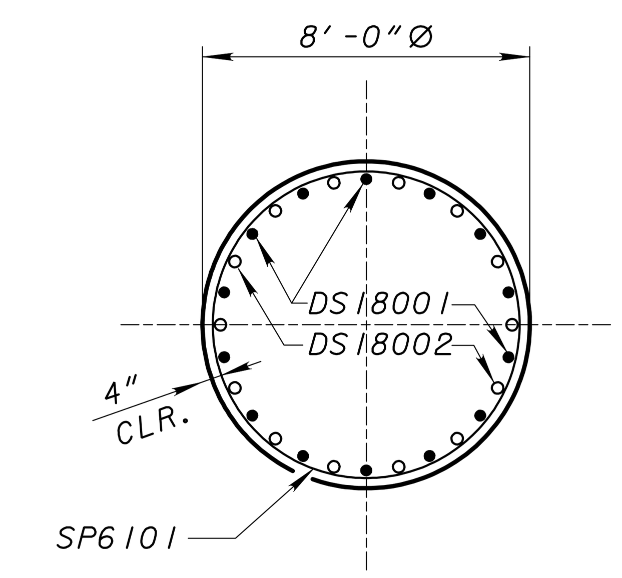


ELEVATION

OH TOWER DRILLED SHAFT DETAILS



SECTION A-A
(SECTION C-C SIMILAR)



SECTION B-B
(SECTION D-D SIMILAR)

DRILLED SHAFT NOTES

1. THE CONTRACTOR SHALL SUBMIT PLANS AND PROCEDURES SHOWING METHOD OF CONSTRUCTING THE DRILLED SHAFT FOUNDATIONS TO THE ENGINEER FOR REVIEW AT LEAST 30 DAYS BEFORE ACTUAL WORK IS TO BEGIN. PLANS AND PROCEDURES SHALL BE PREPARED AND STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF OHIO.
2. CASING SHALL REMAIN IN PLACE AS SHOWN.
3. DRILLED SHAFTS ARE DETAILED WITH CONTINUOUS SPIRALS. SPIRALS SHALL BE TERMINATED WITH 1½ TURNS TOP AND BOTTOM. CONTRACTOR MAY OPTIONALLY PROVIDE SPLICED OR COUPLED SPIRALS AND HOOPS IN ACCORDANCE WITH AASHTO SPECIFICATIONS. SIZE AND SPACING OF OPTIONAL HOOPS SHALL MATCH THE CONTINUOUS SPIRAL REINFORCEMENT SHOWN. ANY VARIATION FROM DETAILS SHOWN ON THESE PLANS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW.
4. LIGHTNING PROTECTION DOWN CONDUCTORS SHALL BE BONDED TO DRILLED SHAFT CASING, SEE SHEET 182/243

NOTES

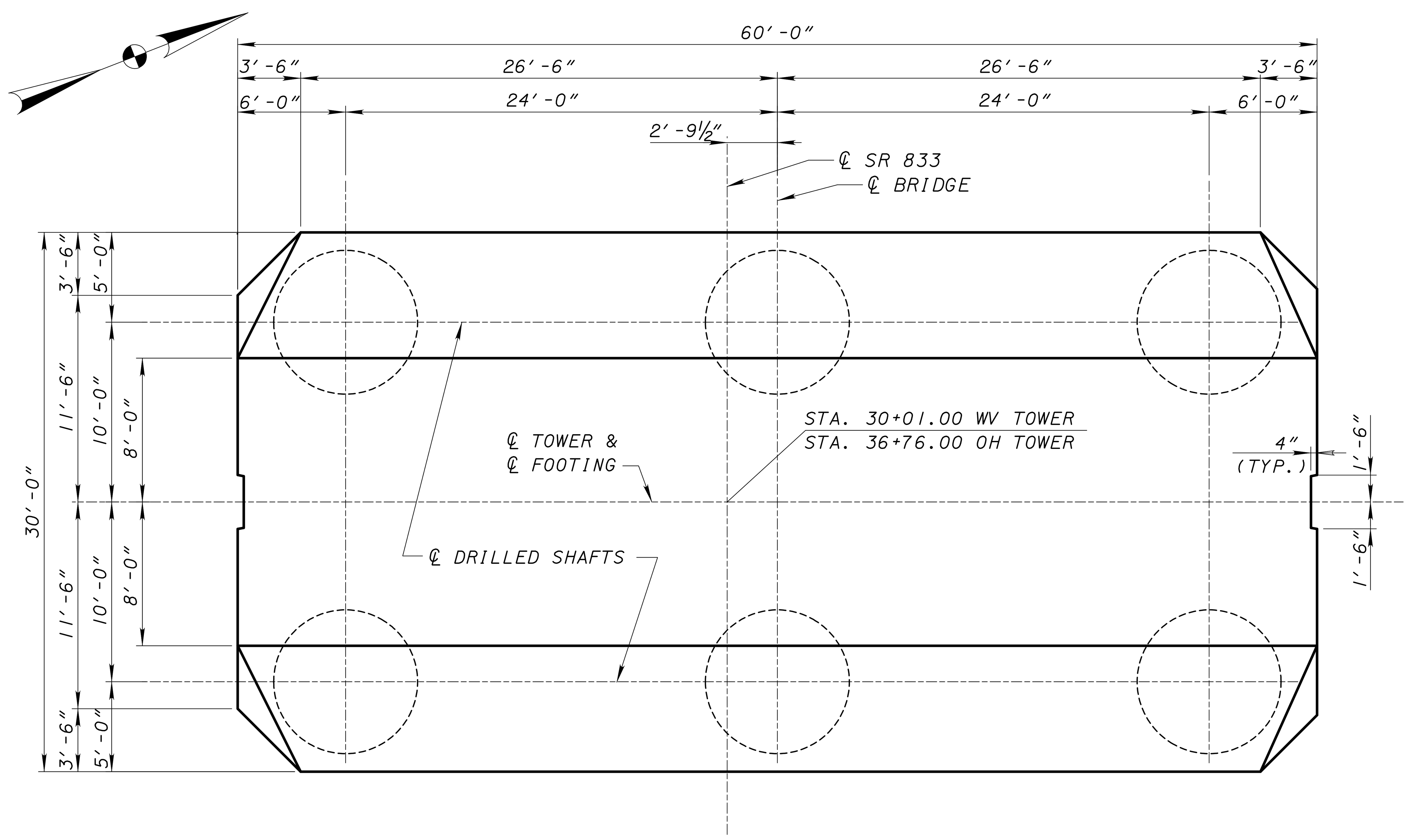
1. FOR REINFORCING STEEL LIST, SEE SHEET 205/243 & 209/243

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

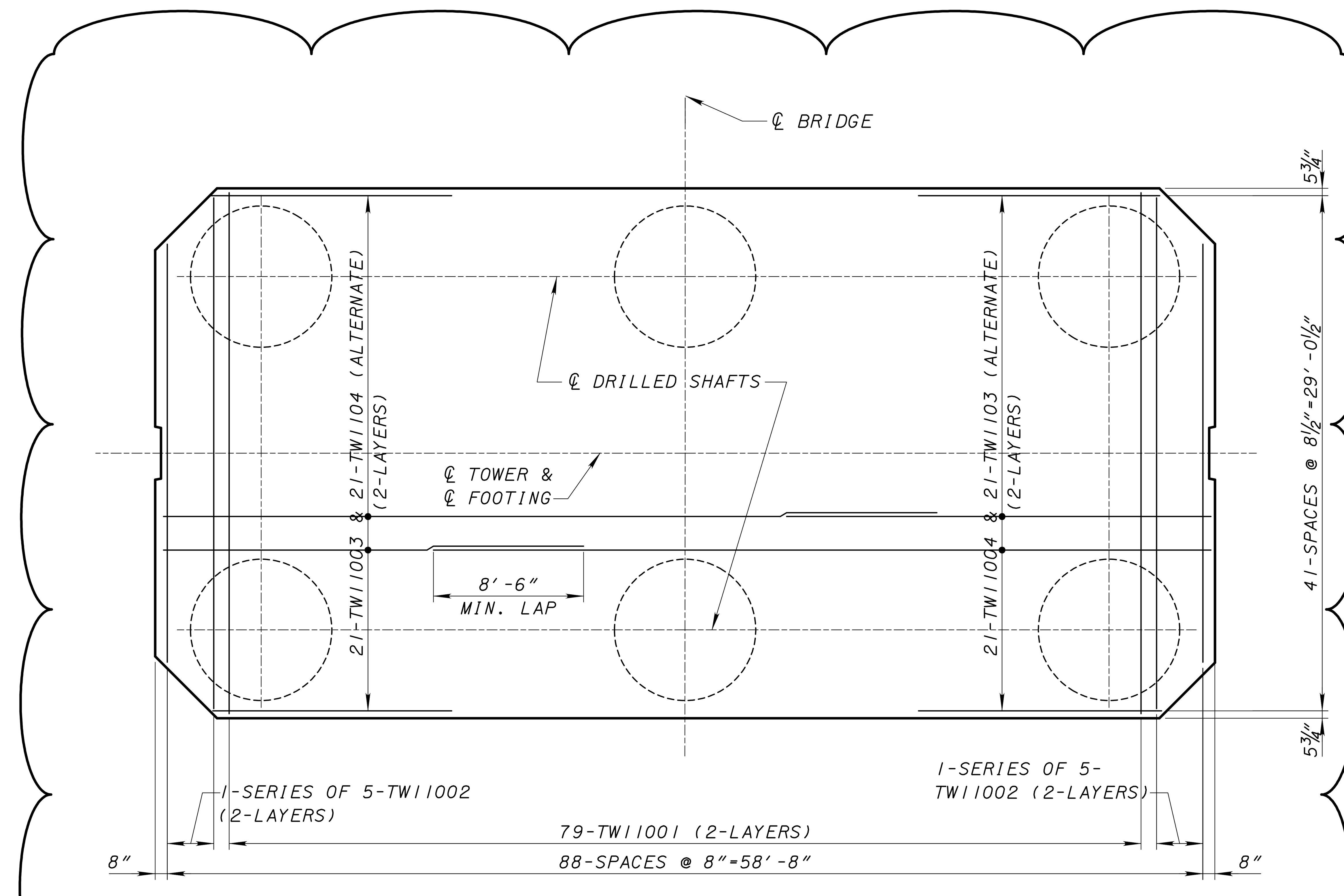
DESIGNED	DRAWN	REVIEWED	DATE
MJZ	RHR	JRC	5-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
CEJ		530096 OH 10385 WV	

TOWER REINFORCEMENT - DRILLED SHAFTS
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

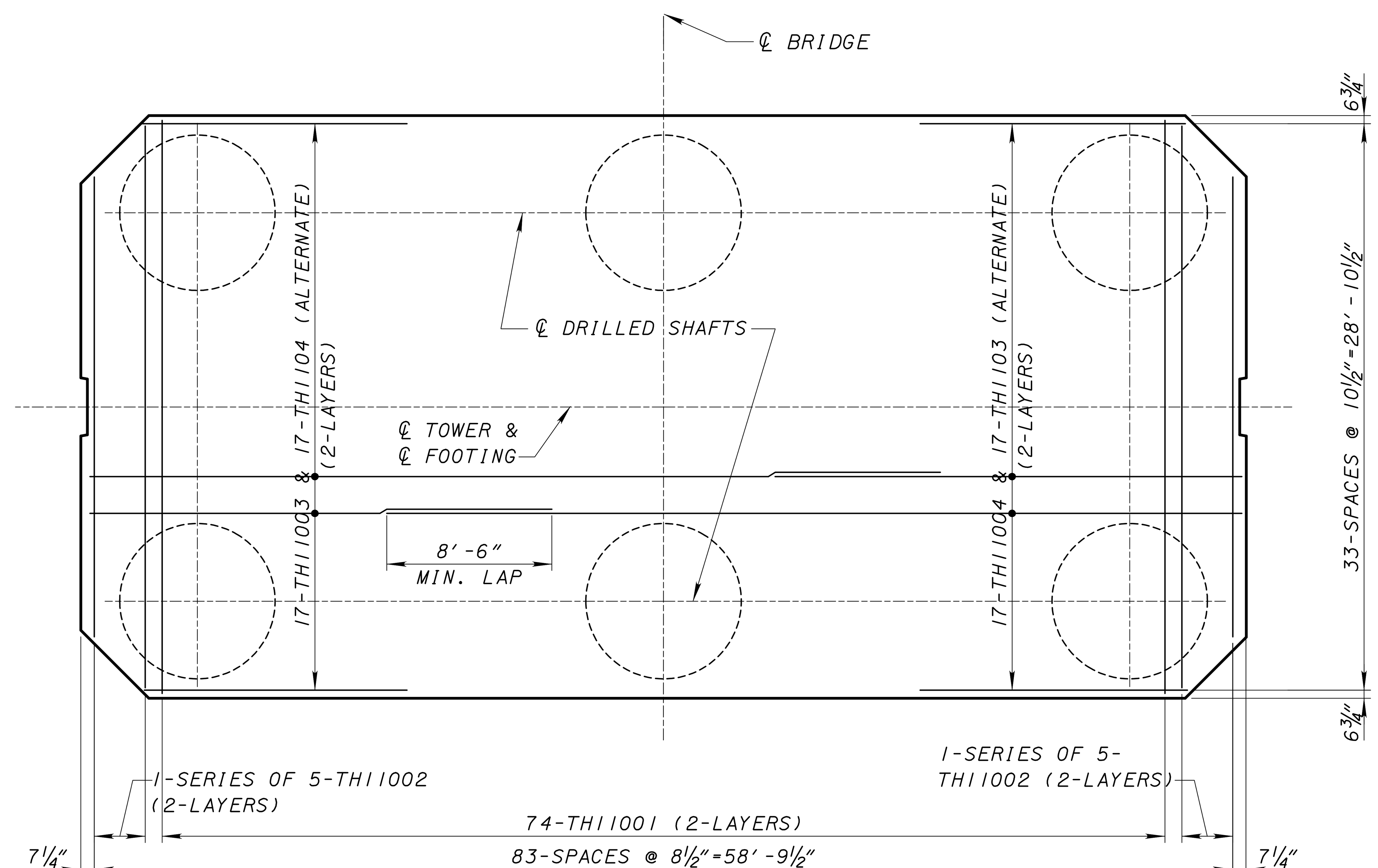
MEG-33-15.70



FOOTING PLAN



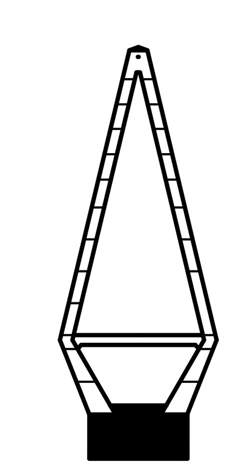
W. VA. FOOTING- BOTTOM REINFORCEMENT



OHIO FOOTING- BOTTOM REINFORCEMENT

NOTES

1. FOR FOOTING ELEVATIONS & REINFORCING, SEE SHEETS 59/243 & 60/243
2. FOR REINFORCING STEEL LIST, SEE SHEET 205/243
3. FOR GROUNDING OF LIGHTNING PROTECTION SYSTEM AT FOUNDATION, SEE SHEET 182/243
4. FOR DRILLED SHAFT DETAILS, SEE SHEET 57/243



KEY ELEVATION

NUMBER	REVISION	DATE	BY
1	REVISED REINFORCING	3/04	MJZ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED MJZ | CHECKED CEJ | DRAWN RHR | REVISED | REVIEWED JRC | DATE 5-02 | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

TOWER REINFORCEMENT - FOOTING CAP (1)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

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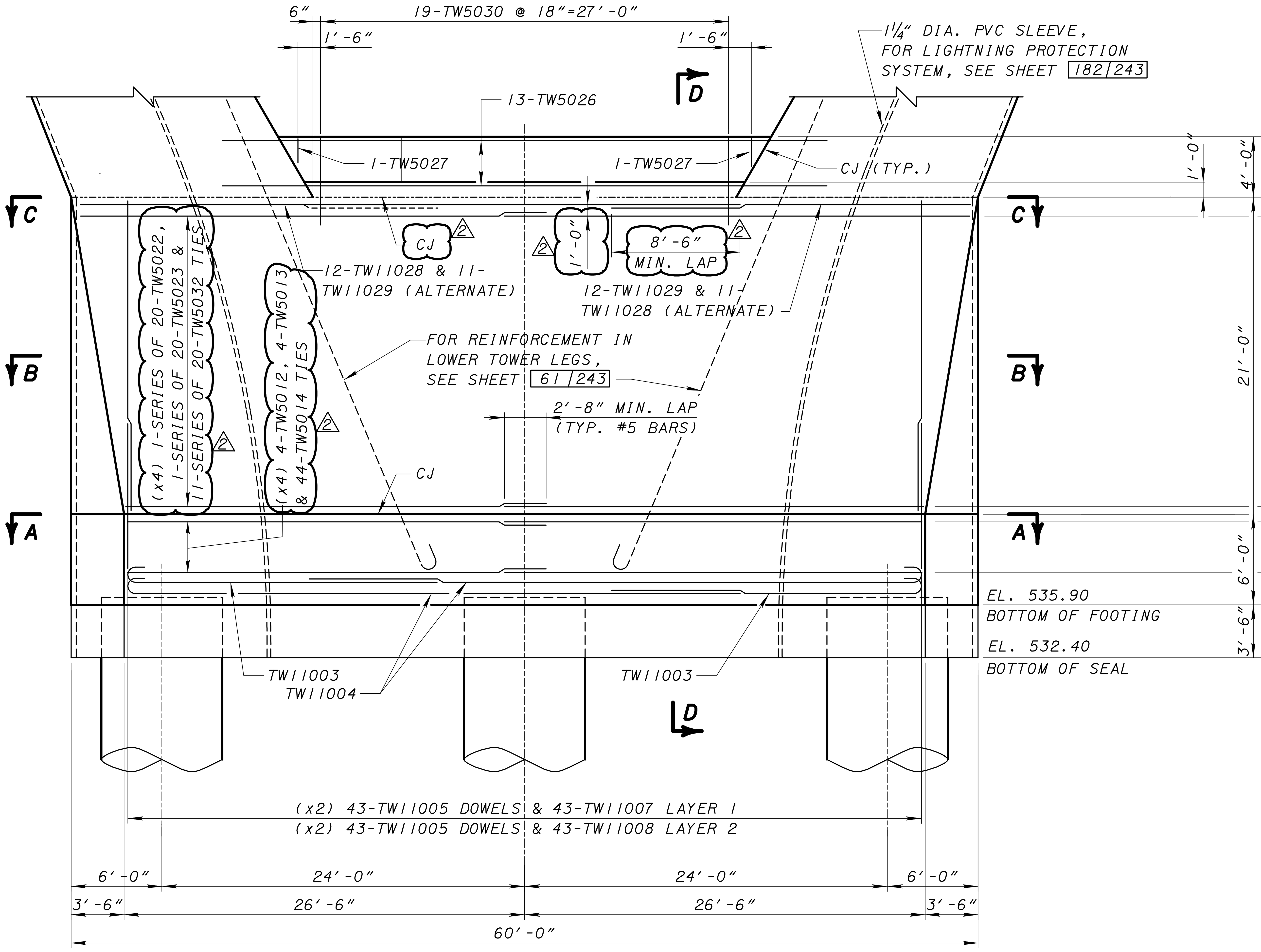
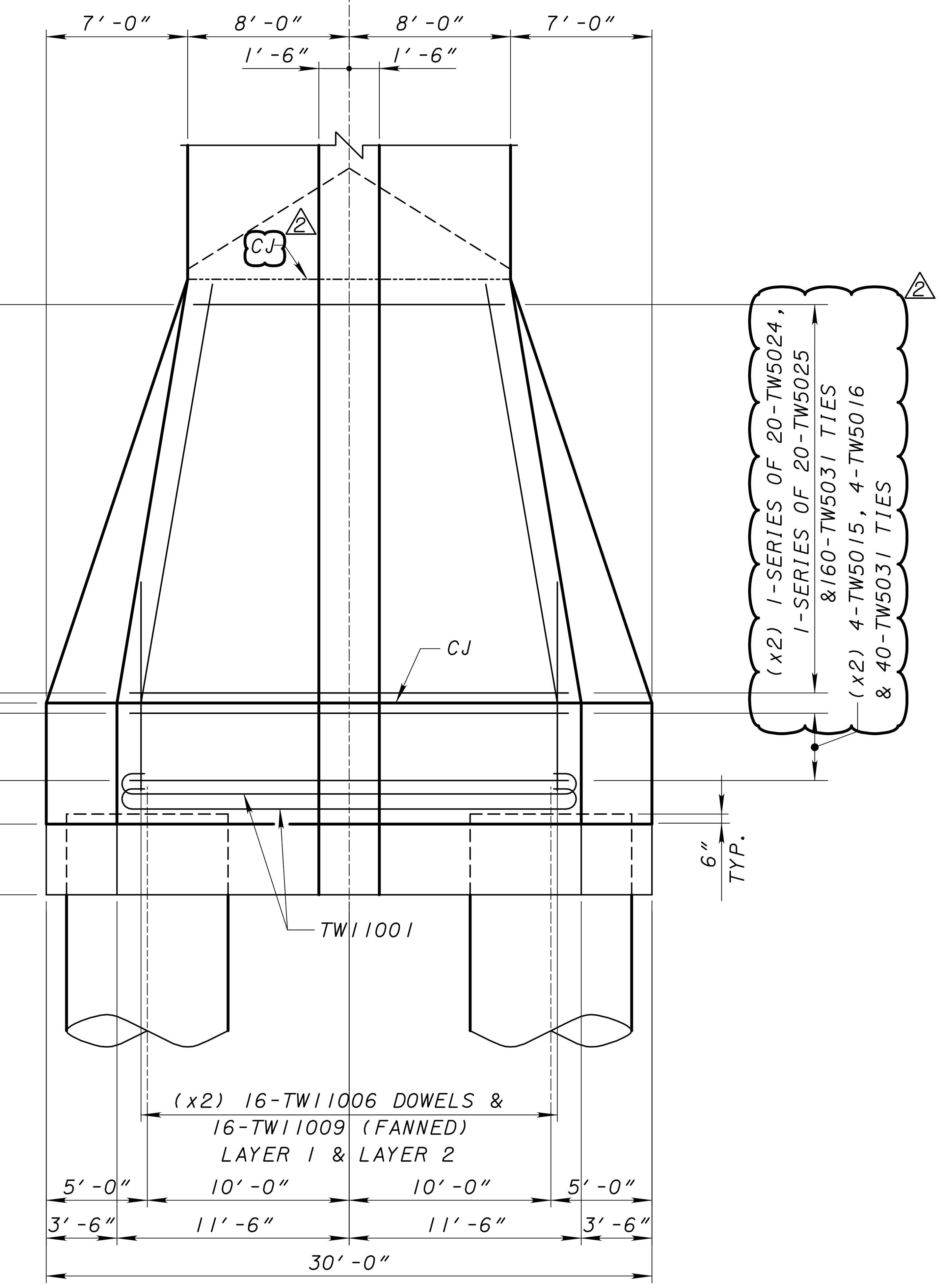
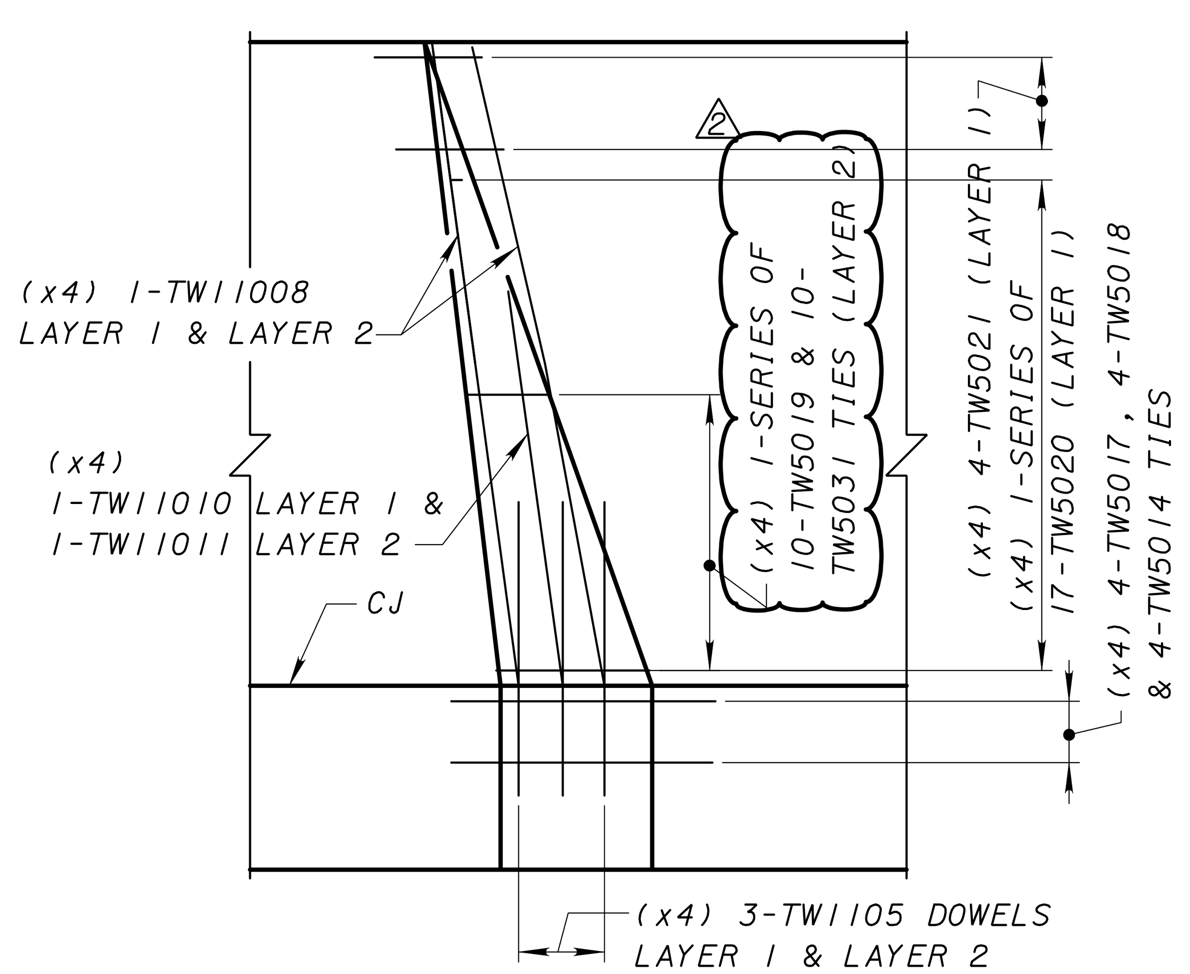


SIDE ELEVATION



END ELEVATION

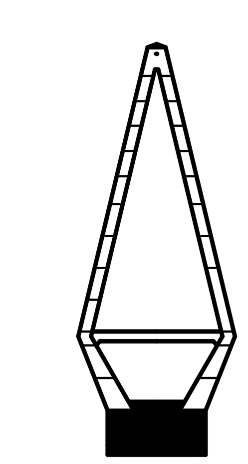
NOTE
BAR MARKS SHOWN APPLY TO THE WEST VIRGINIA TOWER.
BAR MARKS FOR THE OHIO TOWER ARE THE SAME, EXCEPT THAT THE BAR MARK PREFIX WILL BE "TH" RATHER THAN "TW".



CORNER ELEVATION

NOTES

1. FOR FOOTING PLAN, SEE SHEET 58/243
2. FOR SECTIONS A-A THRU D-D, SEE SHEET 60/243
3. FOR REINFORCING STEEL LIST, SEE SHEET 205/243
4. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF THE COFFERDAM AND TREMIE SEAL. TREMIE SEAL DIMENSIONS PROVIDED HERE ARE FOR BIDDING PURPOSES ONLY.



KEY ELEVATION

NUMBER	REVISION	DATE	BY
2	REVISED REINFORCING	2/03	MJZ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED MJZ | CHECKED CEJ | DRAWN GJW | REVISED | REVIEWED JRC | DATE 5-02 | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

TOWER REINFORCEMENT - FOOTING CAP (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

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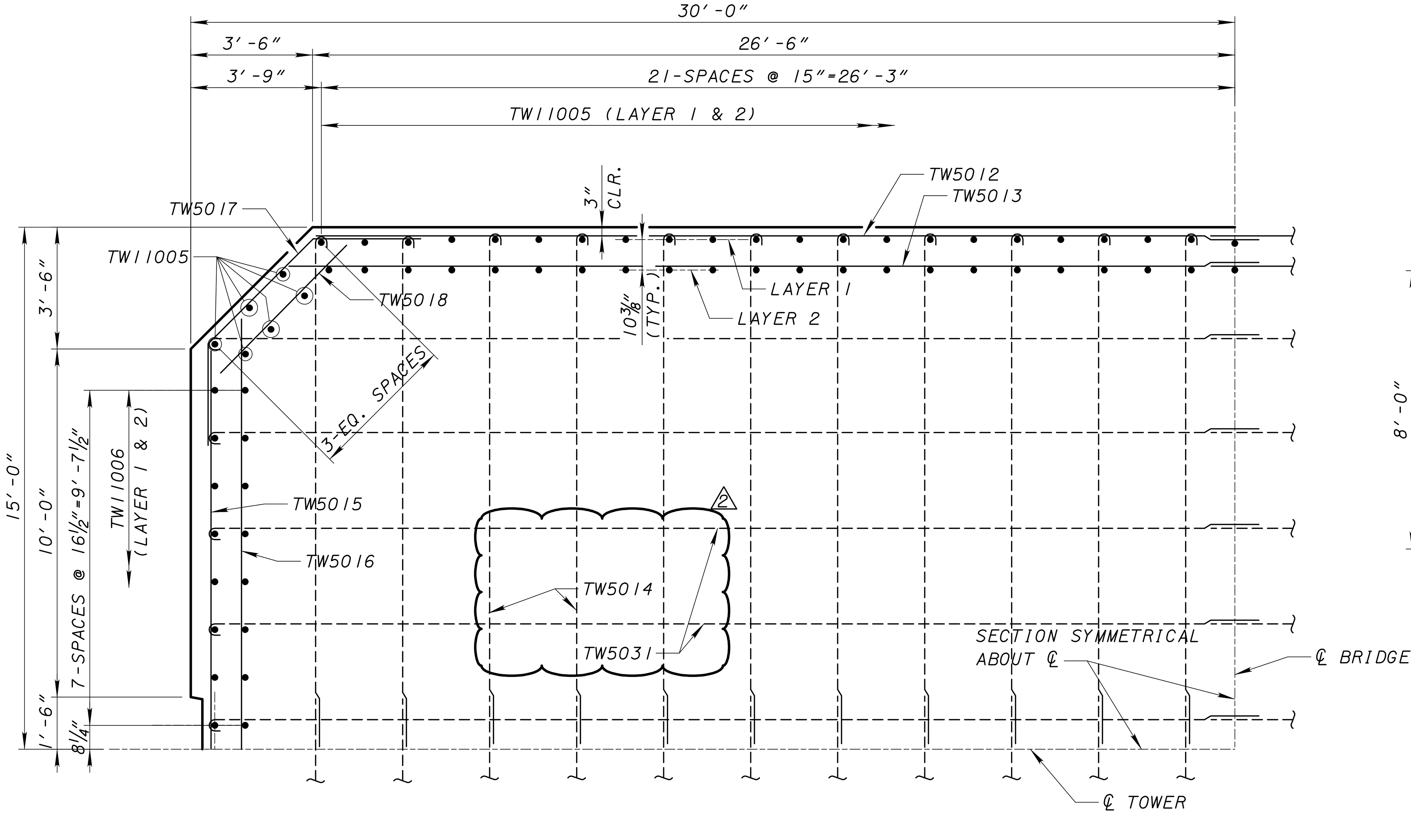
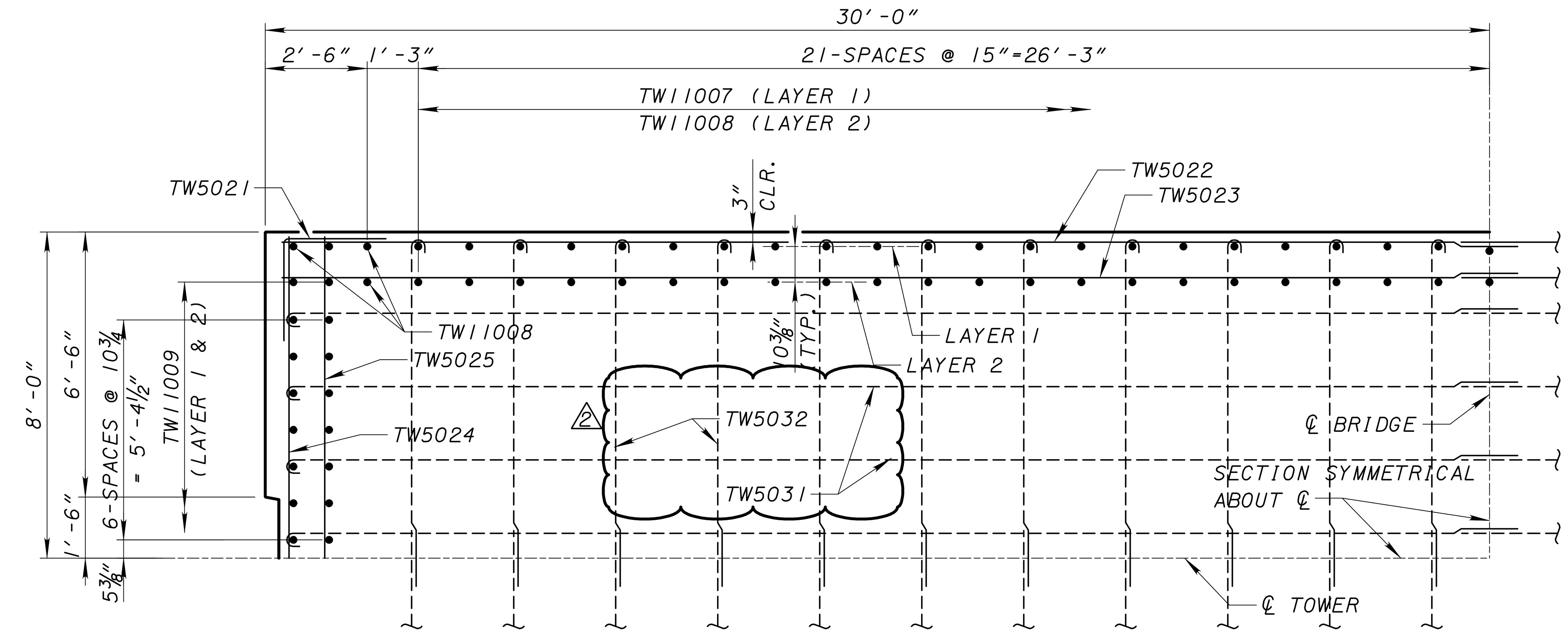
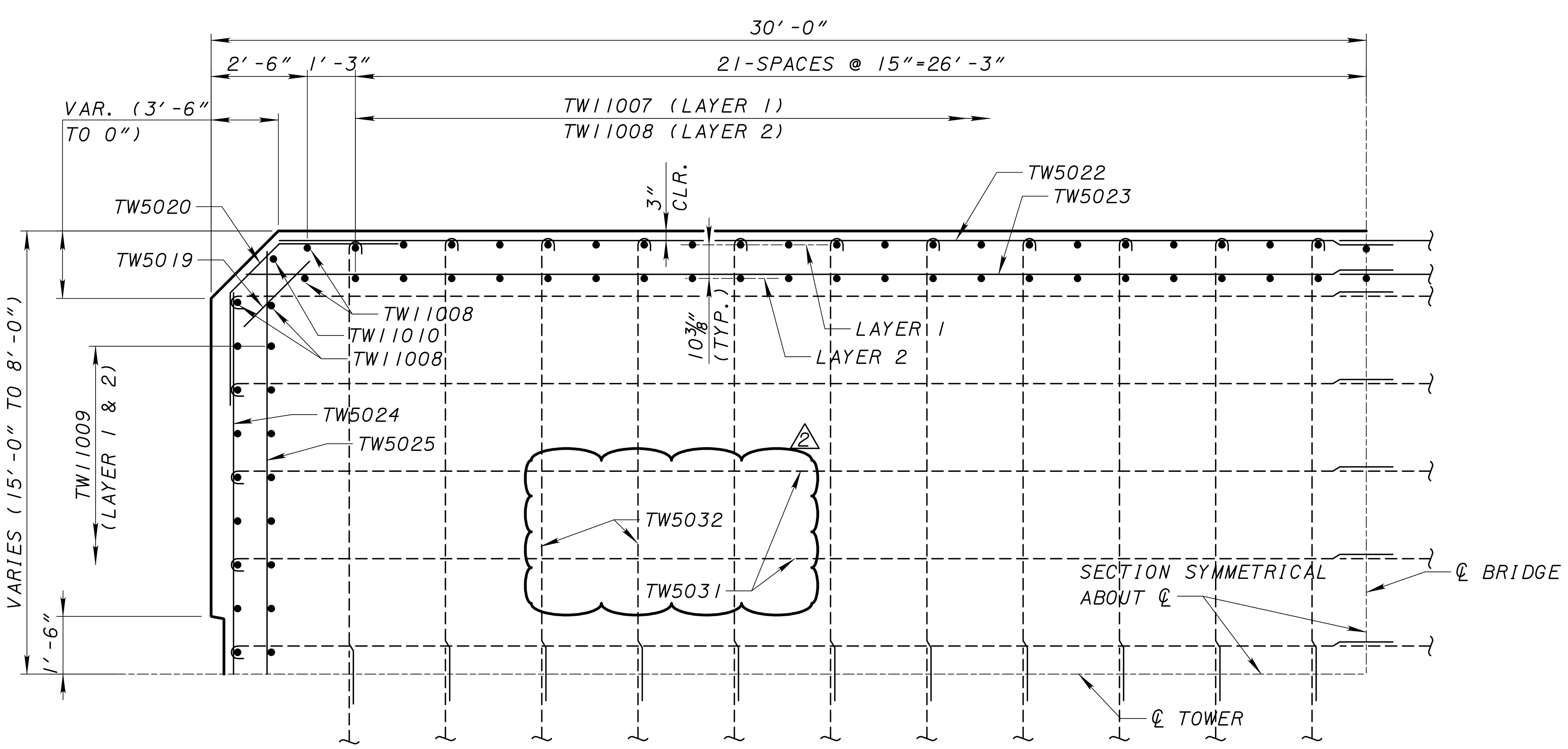


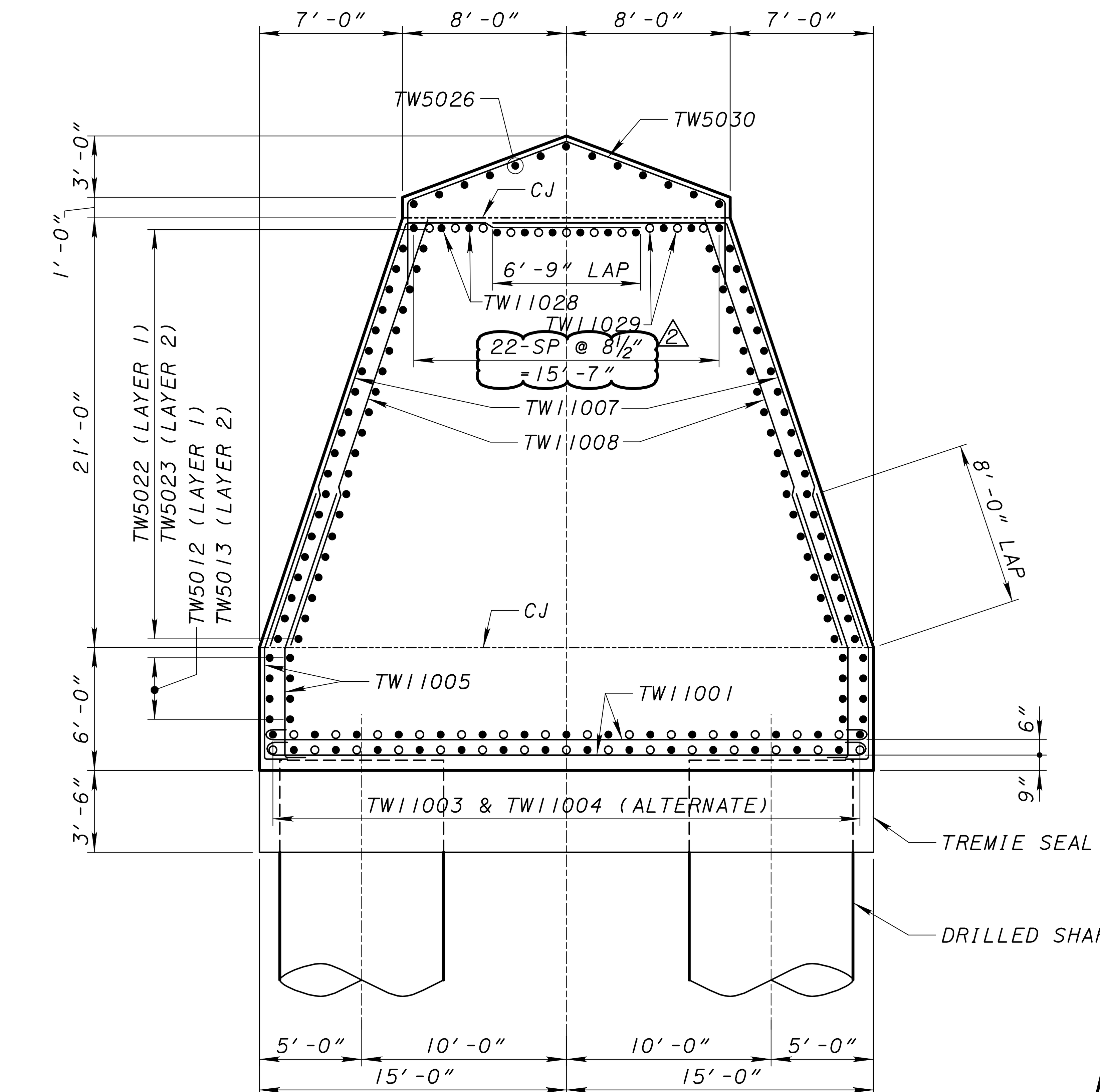
SECTION A-A



SECTION C-C

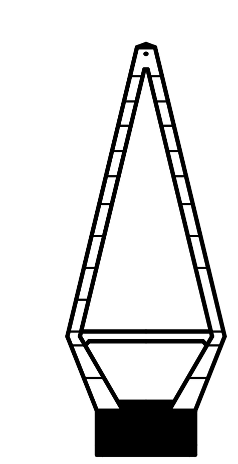


SECTION B-B



SECTION D-D

NOTE
BAR MARKS SHOWN APPLY TO THE WEST VIRGINIA TOWER.
BAR MARKS FOR THE OHIO TOWER ARE THE SAME, EXCEPT THAT THE BAR MARK PREFIX WILL BE "TH" RATHER THAN "TW".



KEY ELEVATION

NUMBER	REVISION	DATE	BY
2	REVISED REINFORCING	2/03	MJZ

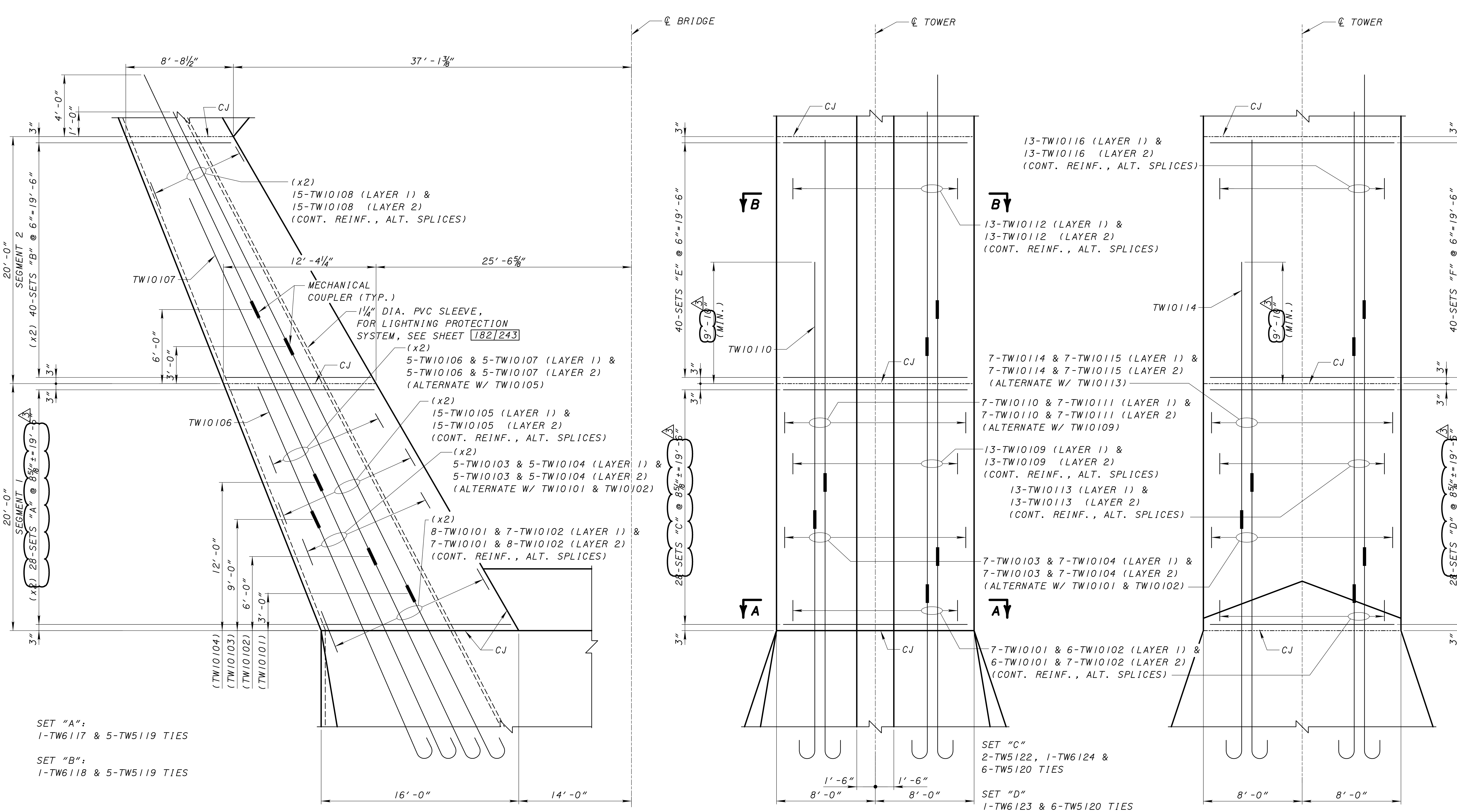
DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
MJZ	GJW	JRC	5-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
CEJ		530096 OH / 10385 WV	

TOWER REINFORCEMENT - FOOTING CAP (3)

BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70



SET "A":
1-TW6117 & 5-TW5119 TIES

SET "B":
1-TW6118 & 5-TW5119 TIES

VIEW A-A
(VIEW B-B OPP. HAND)

VIEW C-C

VIEW D-D

SET "C"
2-TW5122, 1-TW6124 &
6-TW5120 TIES

SET "D"
1-TW6123 & 6-TW5120 TIES

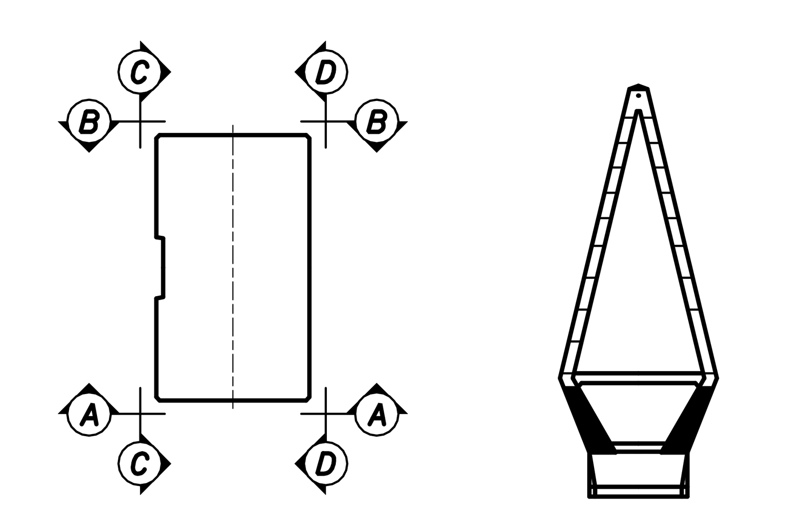
SET "E"
2-TW5122, 1-TW6124 &
6- TW5121 TIES

SET "F"
1-TW6123 & 6-TW5121 TIES

TOWER LEG SEGMENTS 1 & 2
(LEFT LEG SHOWN, RIGHT LEG OPP. HAND)

NOTES
1. FOR SECTIONS A-A & B-B, SEE SHEET 62/243
2. FOR REINFORCING STEEL LIST, SEE SHEET 206/243

NOTE
BAR MARKS SHOWN APPLY TO THE WEST VIRGINIA TOWER.
BAR MARKS FOR THE OHIO TOWER ARE THE SAME, EXCEPT THAT THE BAR MARK PREFIX WILL BE "TH" RATHER THAN "TW".



KEY PLAN **KEY ELEVATION**

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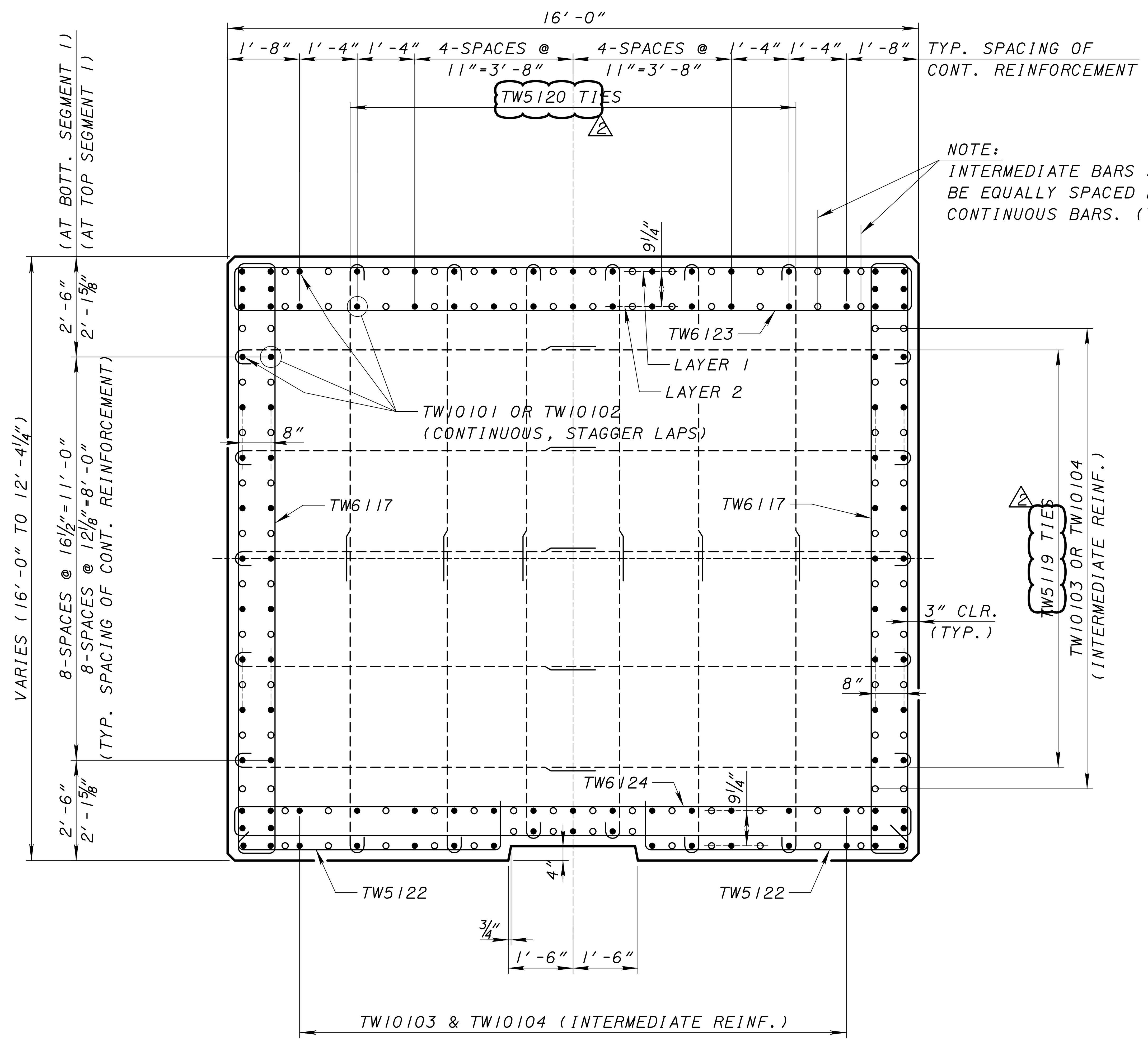
NUMBER	REVISION	DATE	BY
3	AS-BUILT	8/10	LNG
2	REVISED REINFORCING	2/03	MJZ

DESIGN AGENCY: BRW HAZELET & ERDAL, A URS COMPANY, (513) 651-3440, 36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

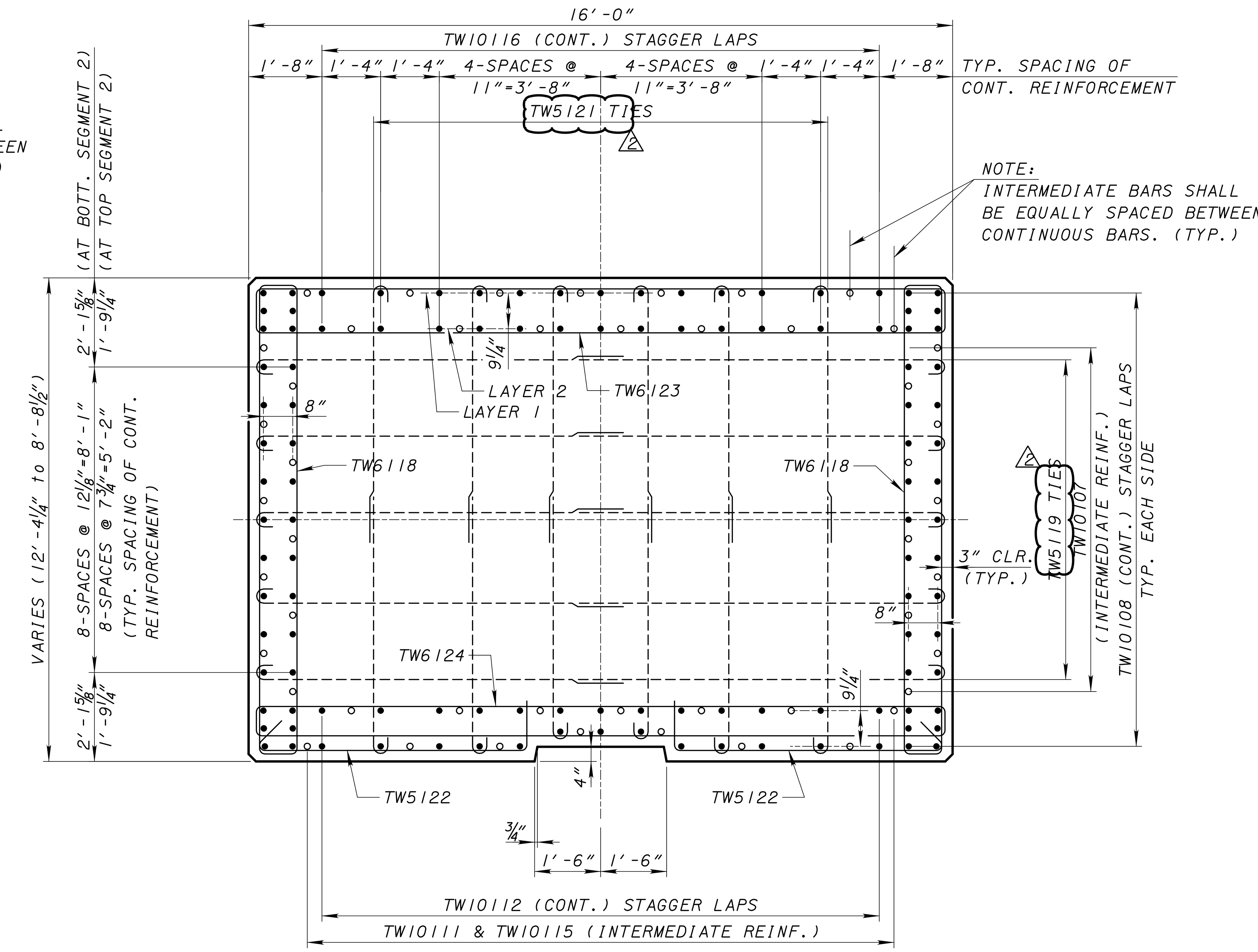
DESIGNED MJZ | DRAWN GJW | REVIEWED JRC | DATE 5-02
CHECKED CEJ | REVISED | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

TOWER REINFORCEMENT - LOWER LEGS (1)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70



SECTION A-A



SECTION B-B

LEGEND
● - CONTINUOUS REINFORCEMENT
○ - INTERMEDIATE REINFORCEMENT

NOTE
BAR MARKS SHOWN APPLY TO THE WEST VIRGINIA TOWER.
BAR MARKS FOR THE OHIO TOWER ARE THE SAME, EXCEPT THAT THE BAR MARK PREFIX WILL BE "TH" RATHER THAN "TW".

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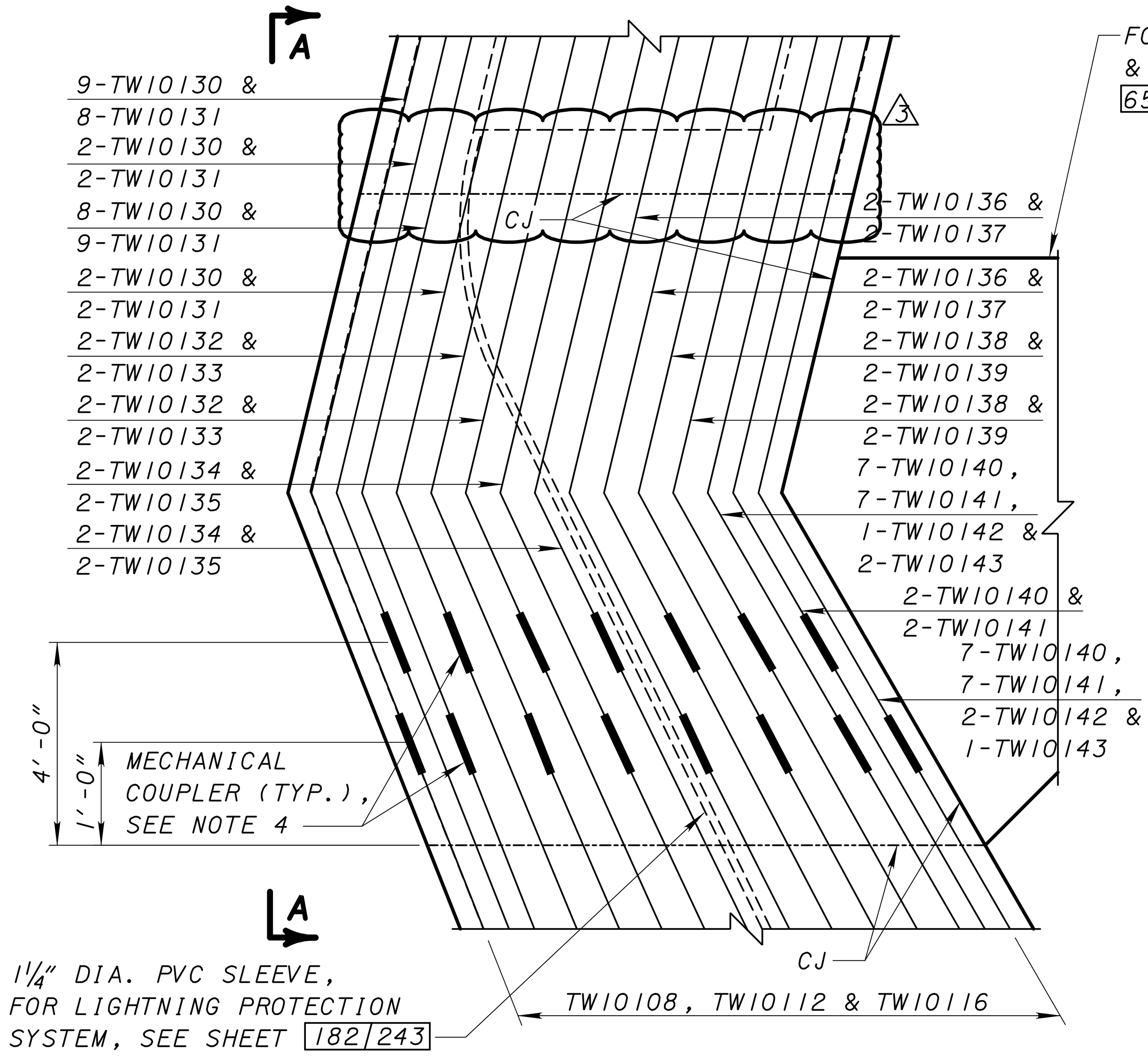
NUMBER	REVISION	DATE	BY
2	REVISED REINFORCING	2/03	MJZ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

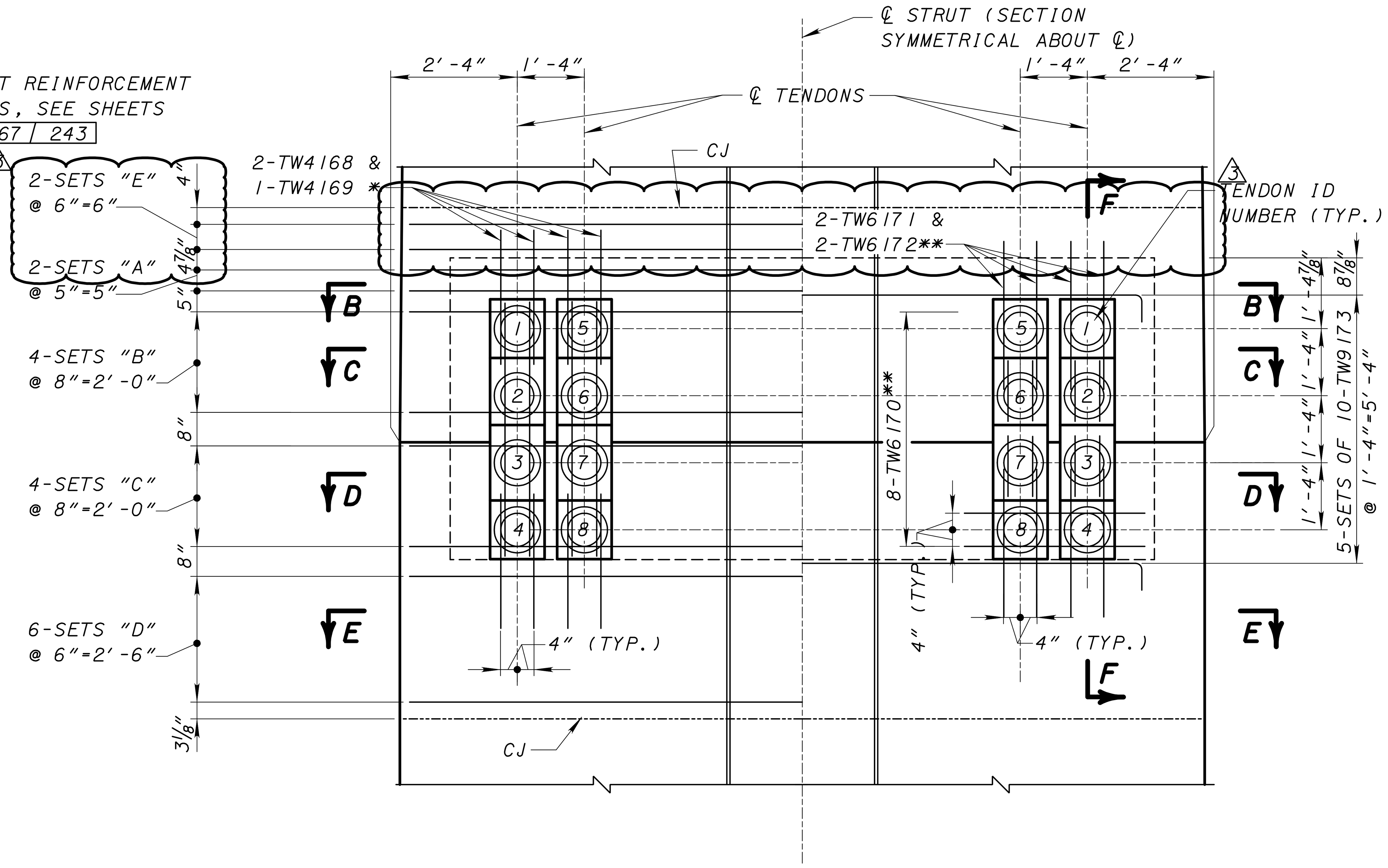
DESIGNED	DRAWN	REVIEWED	DATE
MJZ	GJW	JRC	5-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
CEJ		5300916 OH 10385 WV	

TOWER REINFORCEMENT - LOWER LEGS (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70



VERTICAL REINFORCEMENT AT SEGMENT 3



END VIEW A-A
REINFORCEMENT AT CABLE ANCHORS

* = ADDITIONAL VERTICAL REINFORCEMENT THRU BLOCKOUTS
** = ADDITIONAL REINFORCEMENT BEHIND BLOCKOUTS

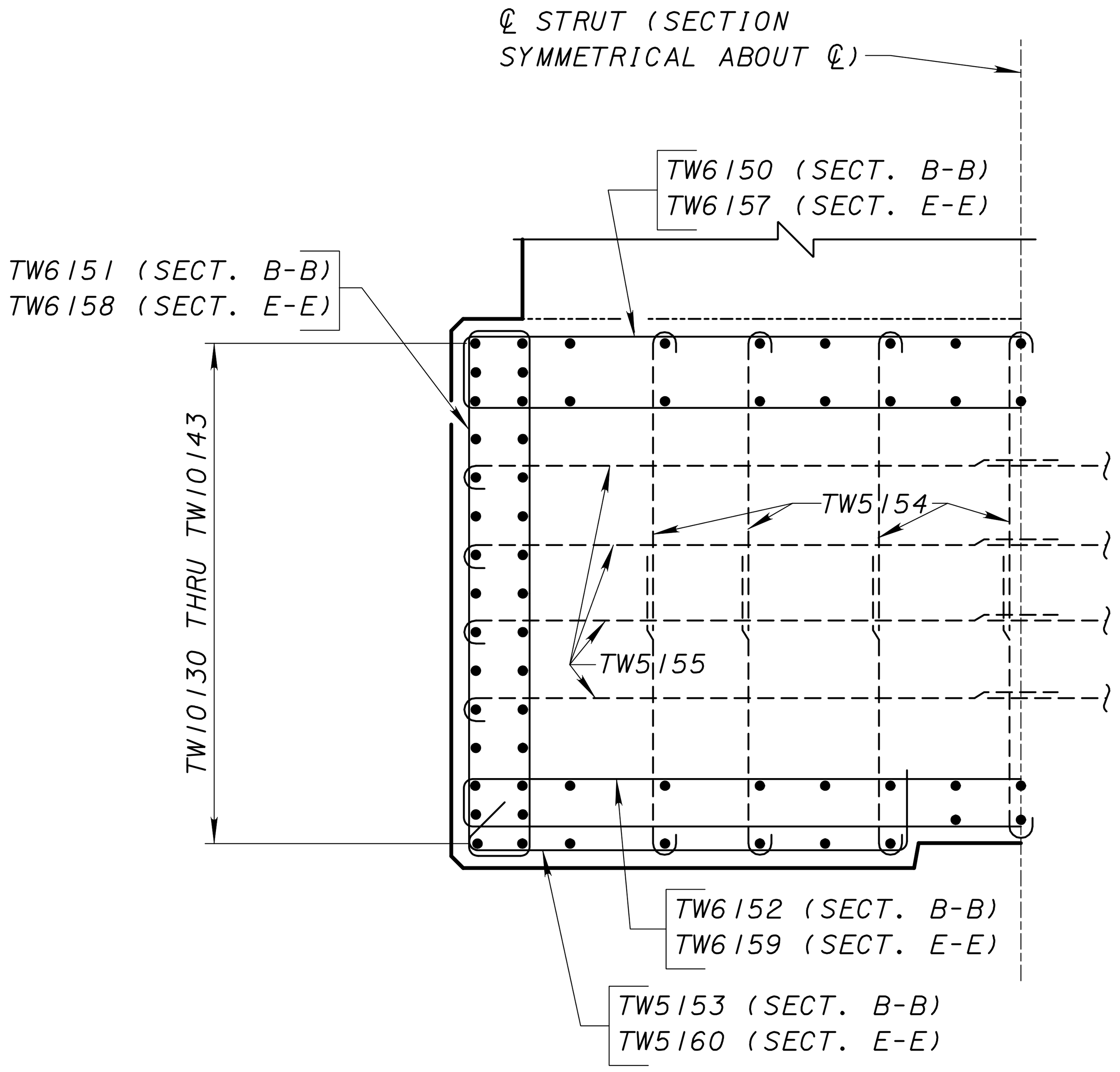
SET A:
1-TW6150, 2-TW6151, 1-TW6152, 2-TW5153, 14-TW5154 TIES & 8-TW5155 TIES

SET B:
1-TW6150, 2-TW6151, 1-TW6163, 1-TW6165, 2-TW4166, 2-TW4167, 2-TW4161, 6-TW5154 TIES & 8-TW5155 TIES

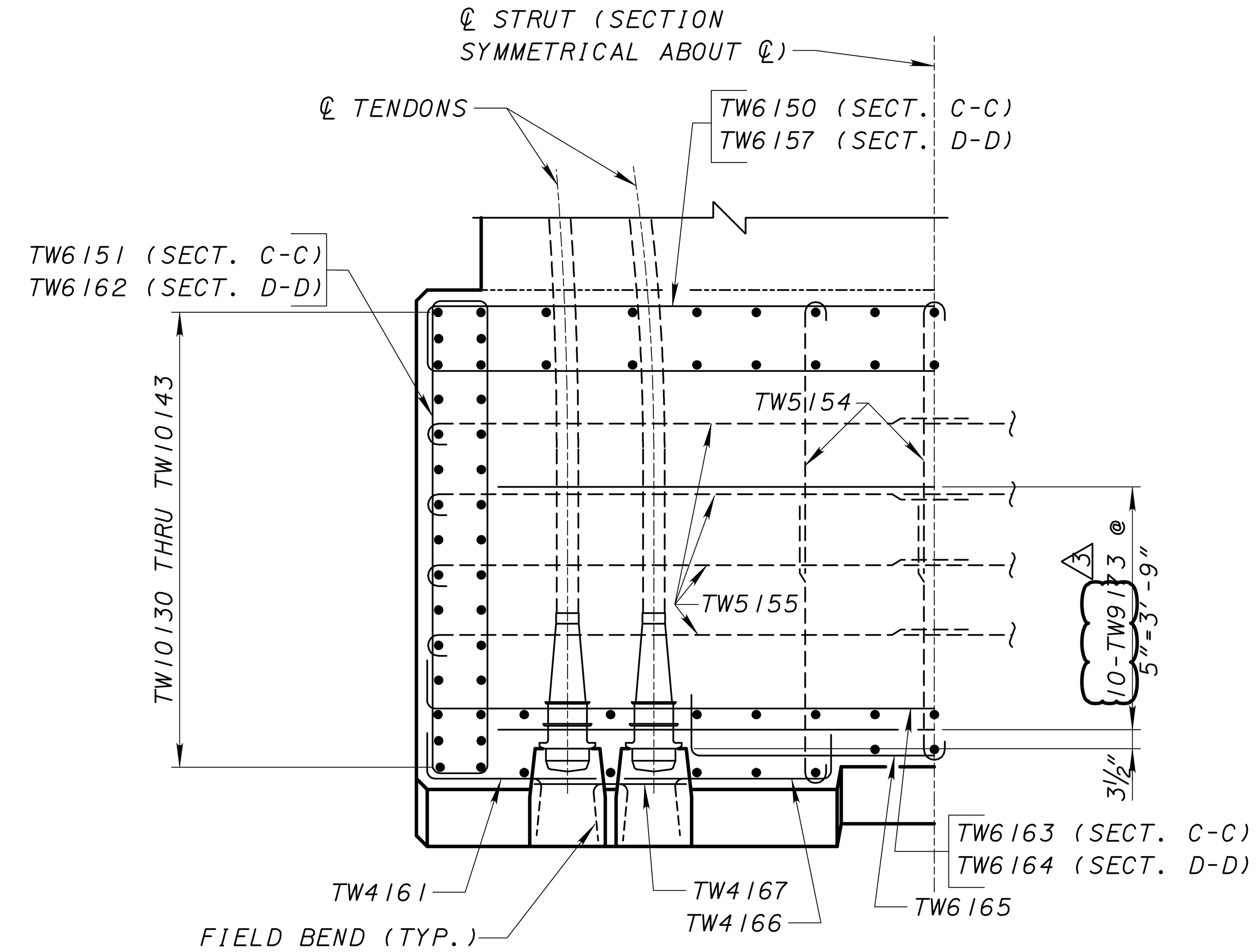
SET C:
1-TW6157, 2-TW6162, 1-TW6164, 1-TW6165, 2-TW4166, 2-TW4167, 2-TW4161, 6-TW5154 TIES & 8-TW5155 TIES

SET D:
1-TW6157, 2-TW6158, 1-TW6159, 2-TW5160, 14-TW5154 TIES & 8-TW5155 TIES

SET E:
4-TW5306, 2-TW5307, 9-TW5310, 1-TW5311, 2-TW6151, 1-TW6305 & 1-TW6308



HALF-SECTION B-B & E-E

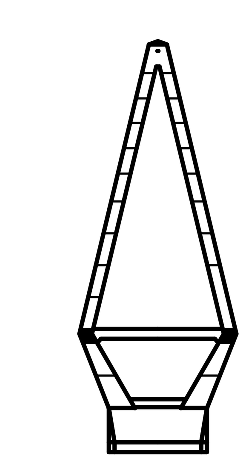


HALF-SECTION C-C & D-D

NOTES

1. FOR SECTION F-F, SEE SHEET 64 | 243
2. FOR REINFORCING STEEL LIST, SEE SHEET 206 | 243
3. FOR TABLE OF POST-TENSIONING TENDONS, SEE SHEET 64 | 243
4. MECHANICAL CONNECTORS IN SEGMENT 3 WILL WILL NEED TO BE OF A SLEEVE & GROUT SYSTEM OR A SIMILAR APPROVED SYSTEM THAT DOES NOT REQUIRE THREADING BOTH ENDS.

NOTE
BAR MARKS SHOWN APPLY TO THE WEST VIRGINIA TOWER.
BAR MARKS FOR THE OHIO TOWER ARE THE SAME, EXCEPT THAT THE BAR MARK PREFIX WILL BE "TH" RATHER THAN "TW".



KEY ELEVATION

NUMBER	REVISION	DATE	BY
3	AS-BUILT	8/10	LNG
2	REVISED REINFORCING	2/03	MJZ

BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED MJZ | CHECKED CEJ | DRAWN GJW | REVISED | REVIEWED JRC | DATE 5-02 | STRUCTURE FILE NUMBER 530096 OH 10385 WV

TOWER REINFORCEMENT - LOWER LEGS (3)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

63 | 243

393 / 582

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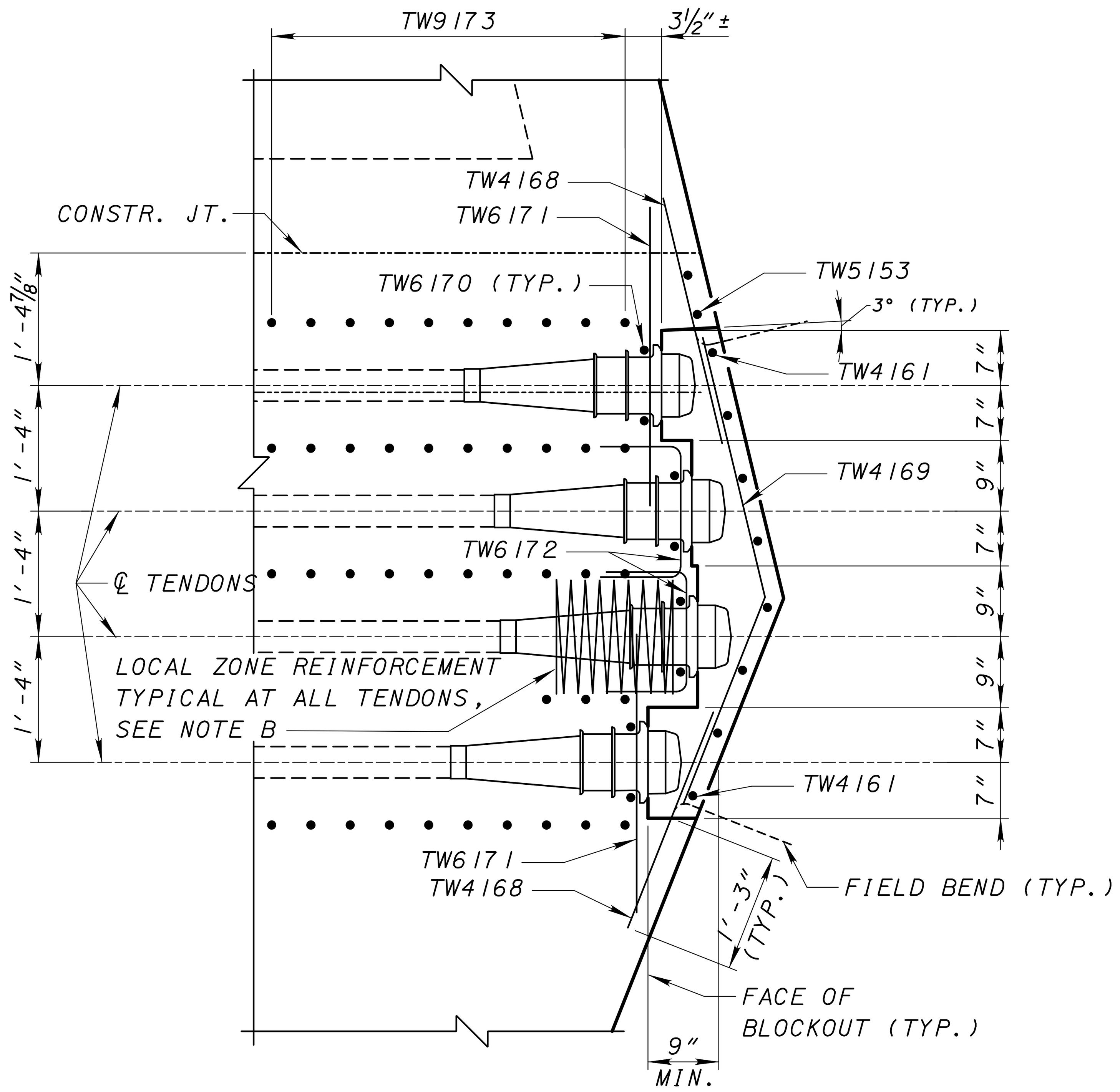


SECTION F-F

TOWER STRUT TABLE OF POST-TENSIONING TENDONS					
TENDON ID NUMBER	NUMBER OF TENDONS	NUMBER OF 0.6" DIA. STRANDS	TENDON LENGTH (FEET)	JACKING FORCE (KIPS)	TOTAL WEIGHT (LBS)
1	4	19	93.42	890.6	5254
2	4	19	94.05	890.6	5289
3	4	19	94.18	890.6	5297
4	4	19	93.12	879.4	5237
5	4	19	93.41	890.6	5253
6	4	19	94.05	890.6	5289
7	4	19	94.18	890.6	5297
8	4	19	93.12	890.6	5237

NOTES:

A. WEIGHTS INDICATED IN TABLE ARE FOR BIDING PURPOSES ONLY. LENGTHS ARE BASED ON TENDON LENGTH FROM FACE OF BLOCKOUT TO FACE OF BLOCKOUT.

B. COST OF LOCAL ZONE REINFORCEMENT AT EACH ANCHORAGE IS INCIDENTAL TO THE COST OF POST-TENSIONING. THE SUPPLIER OF THE POST TENSIONING IS RESPONSIBLE FOR DESIGN OF LOCAL ZONE REINFORCEMENT.

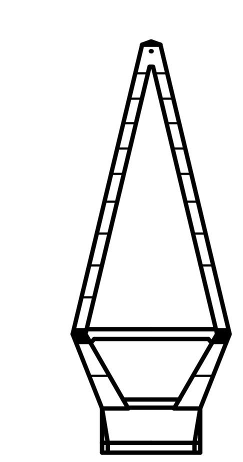
C. MINIMUM STRENGTH OF CONCRETE IN TOWER STRUT SHALL BE 5000 PSI PRIOR TO POST TENSIONING.

D. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING A STRESSING SEQUENCE FOR THE POST TENSIONING THAT MINIMIZES OUT OF BALANCE FORCES.

NOTES FOR CONCRETING POST-TENSIONING BAR BLOCK-OUTS

1. THE RECESS SHALL BE ROUGHENED TO AN AMPLITUDE OF ¼".
2. WITHIN 7 DAYS UPON COMPLETION OF THE TENDON GROUTING, PROTECT THE ANCHORAGE TERMINI OF POST-TENSIONING TENDONS AND GROUT INLET/OUTLET AS INDICATED IN THE SPECIAL PROVISIONS. USE A FACTORY PREPROPORTIONED EPOXY GROUT MEETING THE REQUIREMENTS OF THE SPECIAL PROVISIONS. CLEAN THE AREAS TO BE GROUTED, CONSTRUCT, AND FILL ALL RECESSES IN ACCORDANCE WITH THE SPECIAL PROVISIONS.
3. DIMENSIONS FOR RECESS MAY VARY DEPENDING ON THE POST-TENSIONING SYSTEM USED.

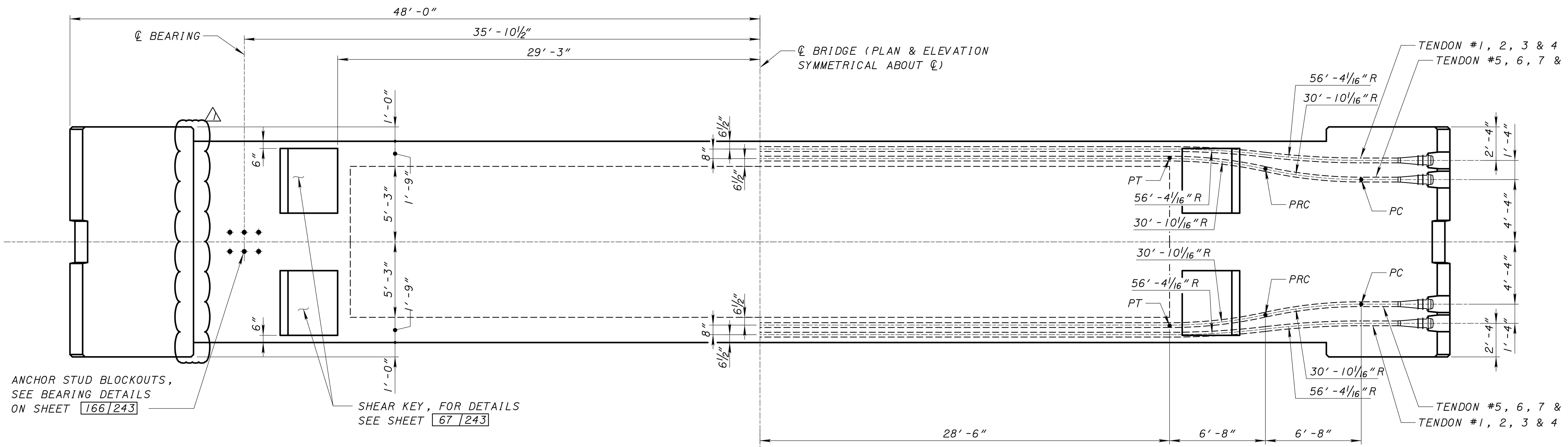
NOTE
BAR MARKS SHOWN APPLY TO THE WEST VIRGINIA TOWER.
BAR MARKS FOR THE OHIO TOWER ARE THE SAME, EXCEPT THAT THE BAR MARK PREFIX WILL BE "TH" RATHER THAN "TW".



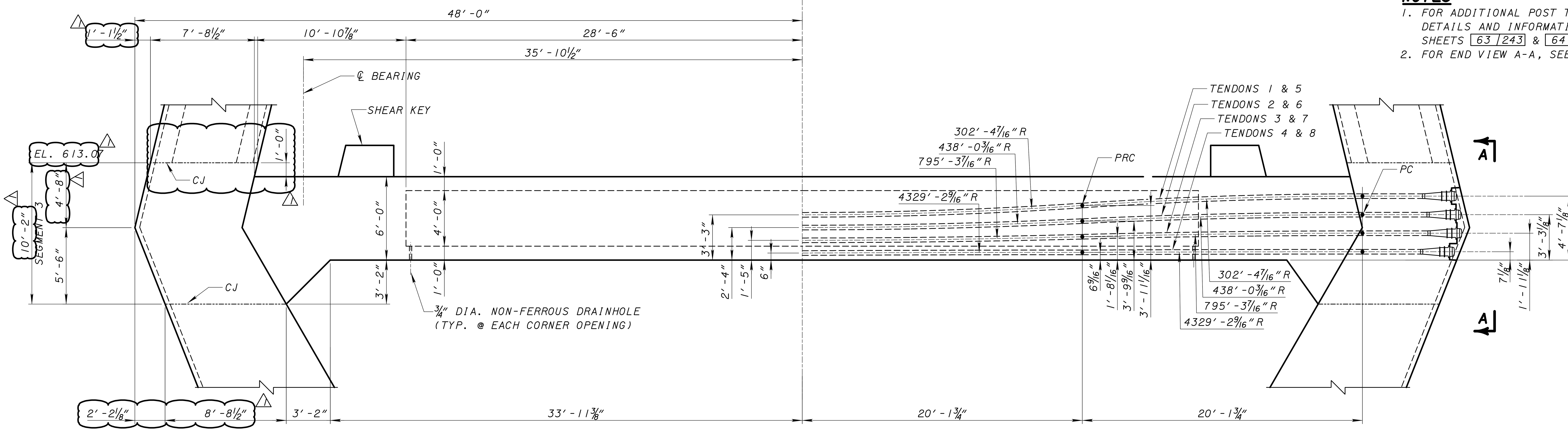
KEY ELEVATION

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202
DESIGNED MJZ
CHECKED CEJ
DRAWN GJW
REVISED
REVIEWED JRC
DATE 5-02
STRUCTURE FILE NUMBER
5300916 OH
10385 WV

TOWER REINFORCEMENT - LOWER LEGS (4)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER



PLAN



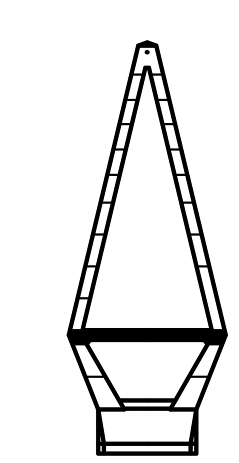
ELEVATION

LEGEND

PC - POINT OF CURVATURE
PT - POINT OF TANGENCY
PRC - POINT OF REVERSE CURVATURE

NOTES

1. FOR ADDITIONAL POST TENSIONING DETAILS AND INFORMATION, SEE SHEETS 63/243 & 64/243
2. FOR END VIEW A-A, SEE SHEET 63/243



KEY ELEVATION

NUMBER	REVISION	DATE	BY
1	AS-BUILT	8/10	LNG

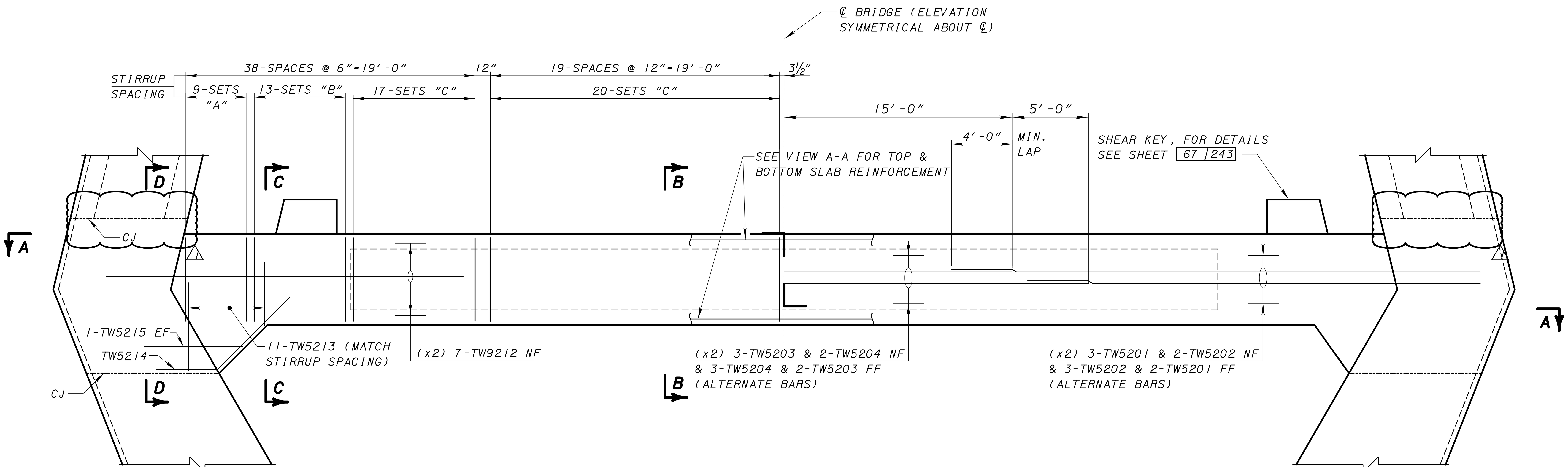
DESIGN AGENCY: BRW HAZELET & ERDAL, A URS COMPANY, (513) 651-3440, 36 EAST 7TH STREET, SUITE 2300, CINCINNATI, OHIO 45202

DESIGNED: MSL | DRAWN: GJW | REVIEWED: JRC | DATE: 5-02
CHECKED: MJZ | REVISED | STRUCTURE FILE NUMBER: 5300916 OH, 10385 WV

TOWER STRUT GEOMETRY AND POST-TENSIONING

BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70



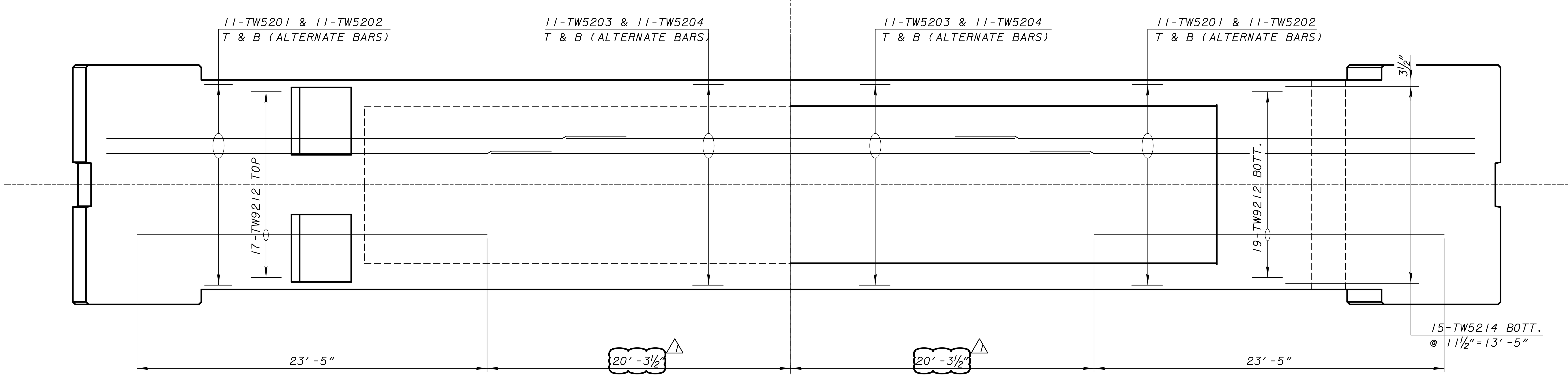
ELEVATION

SET "A":
1-TW6210 IN TOP SLAB
1-TW6206 IN EACH SIDE
1-TW6205 IN BOTTOM SLAB

SET "B":
1-TW6210 IN TOP SLAB
1-TW6211 IN EACH SIDE
1-TW6205 IN BOTTOM SLAB

SET "C":
1-TW6205 IN TOP SLAB
1-TW6206 IN EACH SIDE
1-TW6205 IN BOTTOM SLAB

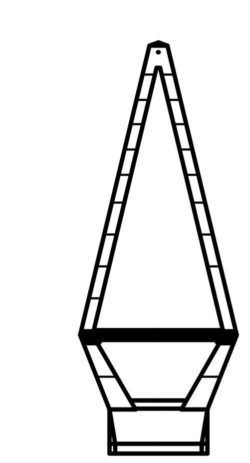
NOTES
1. FOR SECTIONS B-B THRU E-E, SEE SHEET 67/243
2. FOR REINFORCING STEEL LIST, SEE SHEET 206/243



TOP SLAB REINFORCEMENT **BOTTOM SLAB REINFORCEMENT**

VIEW A-A

NOTE
BAR MARKS SHOWN APPLY TO THE WEST VIRGINIA TOWER.
BAR MARKS FOR THE OHIO TOWER ARE THE SAME, EXCEPT THAT THE BAR MARK PREFIX WILL BE "TH" RATHER THAN "TW".



KEY ELEVATION

J:\Project\O\ODOT\4944862 POM-MAS\25862-18\piers\twrtie2.dgn 1/13/2011 8:04:23 AM

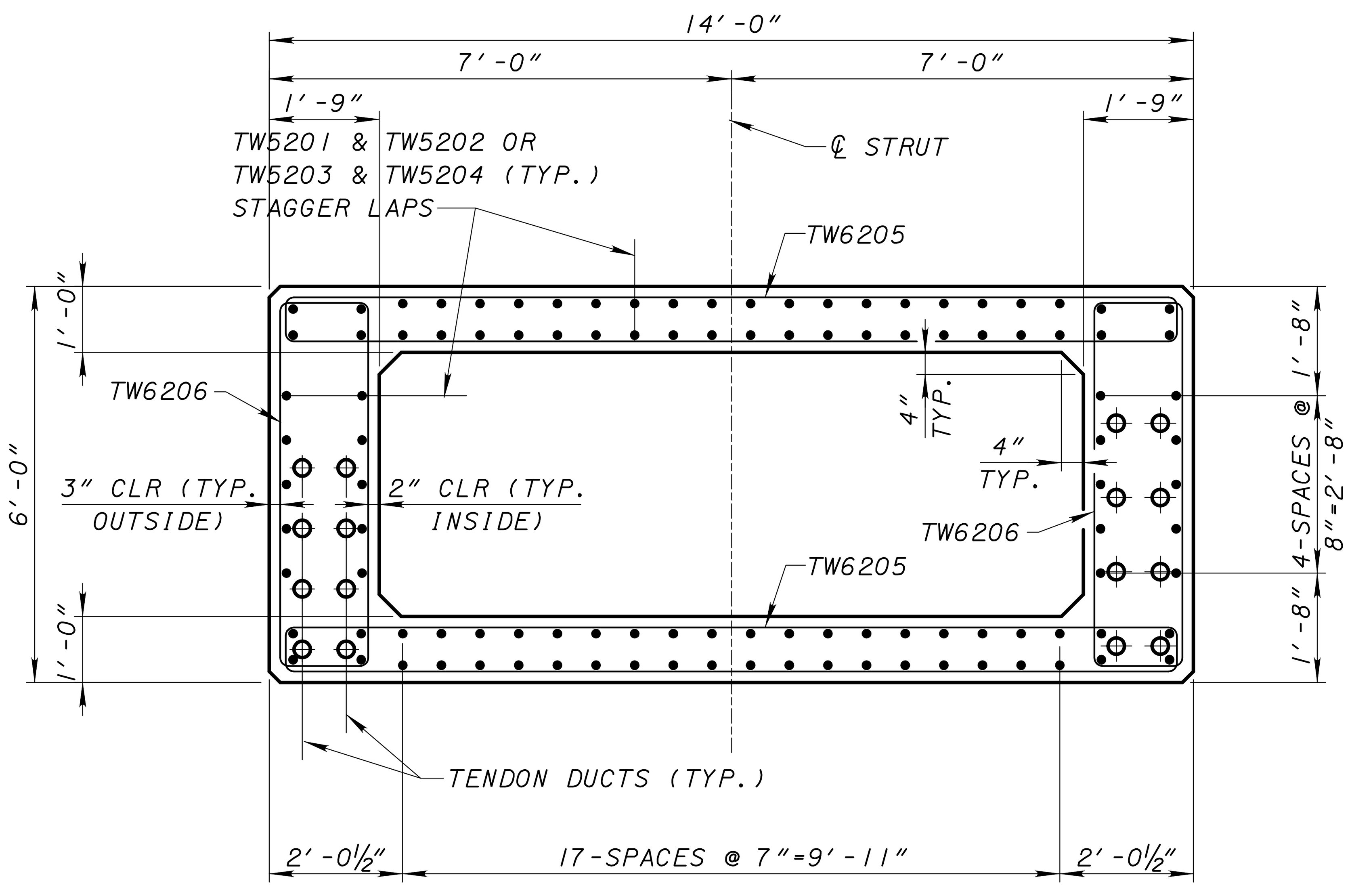
NUMBER	REVISION	DATE	BY
1	AS-BUILT	8/10	LNG

DESIGN AGENCY: BRW HAZELET & ERDAL, A URS COMPANY (513) 651-3440, 36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

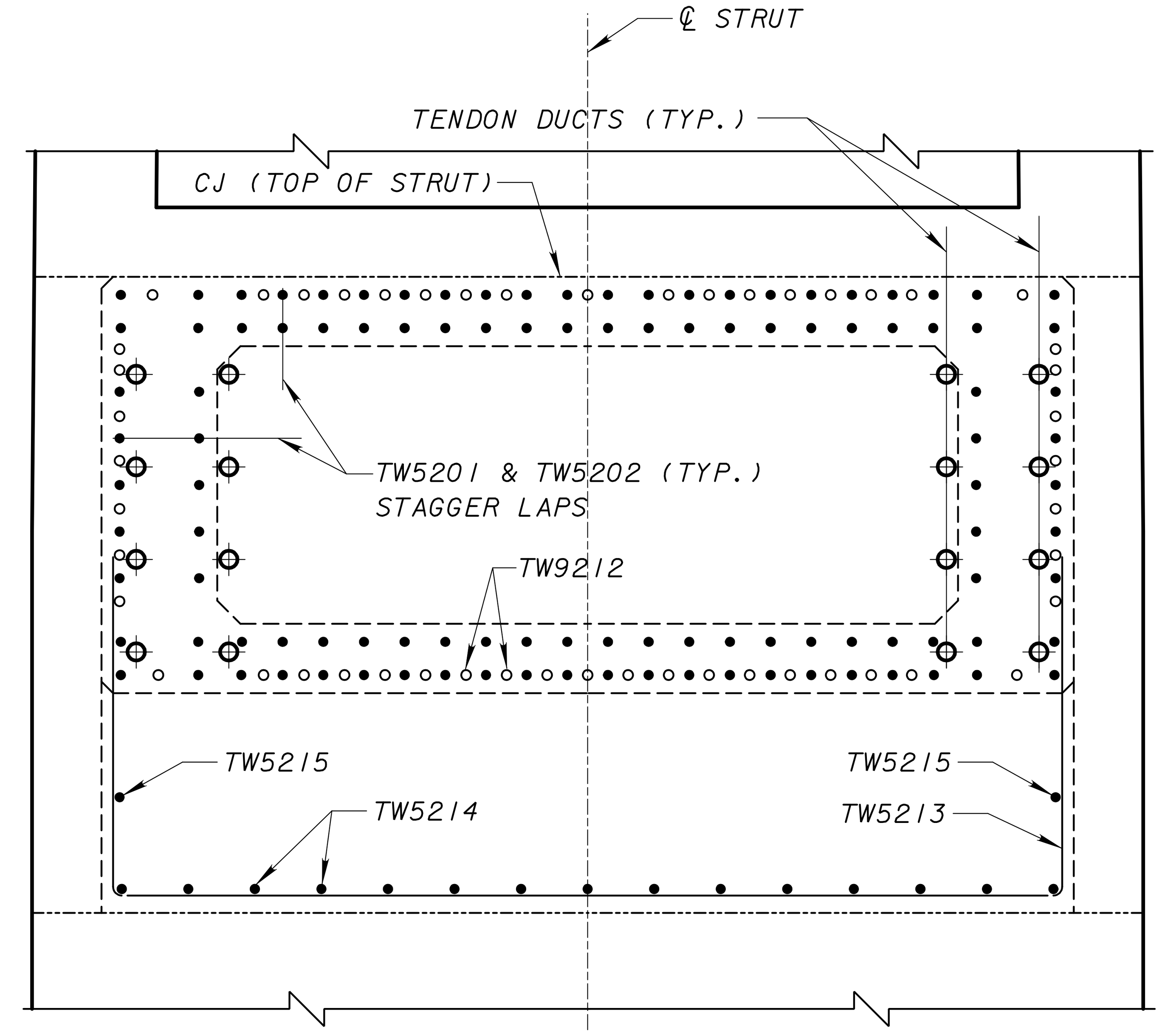
DESIGNED MSL | CHECKED MJZ | DRAWN GJW | REVISED | REVIEWED JRC | DATE 5-02 | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

TOWER STRUT REINFORCEMENT (1)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70



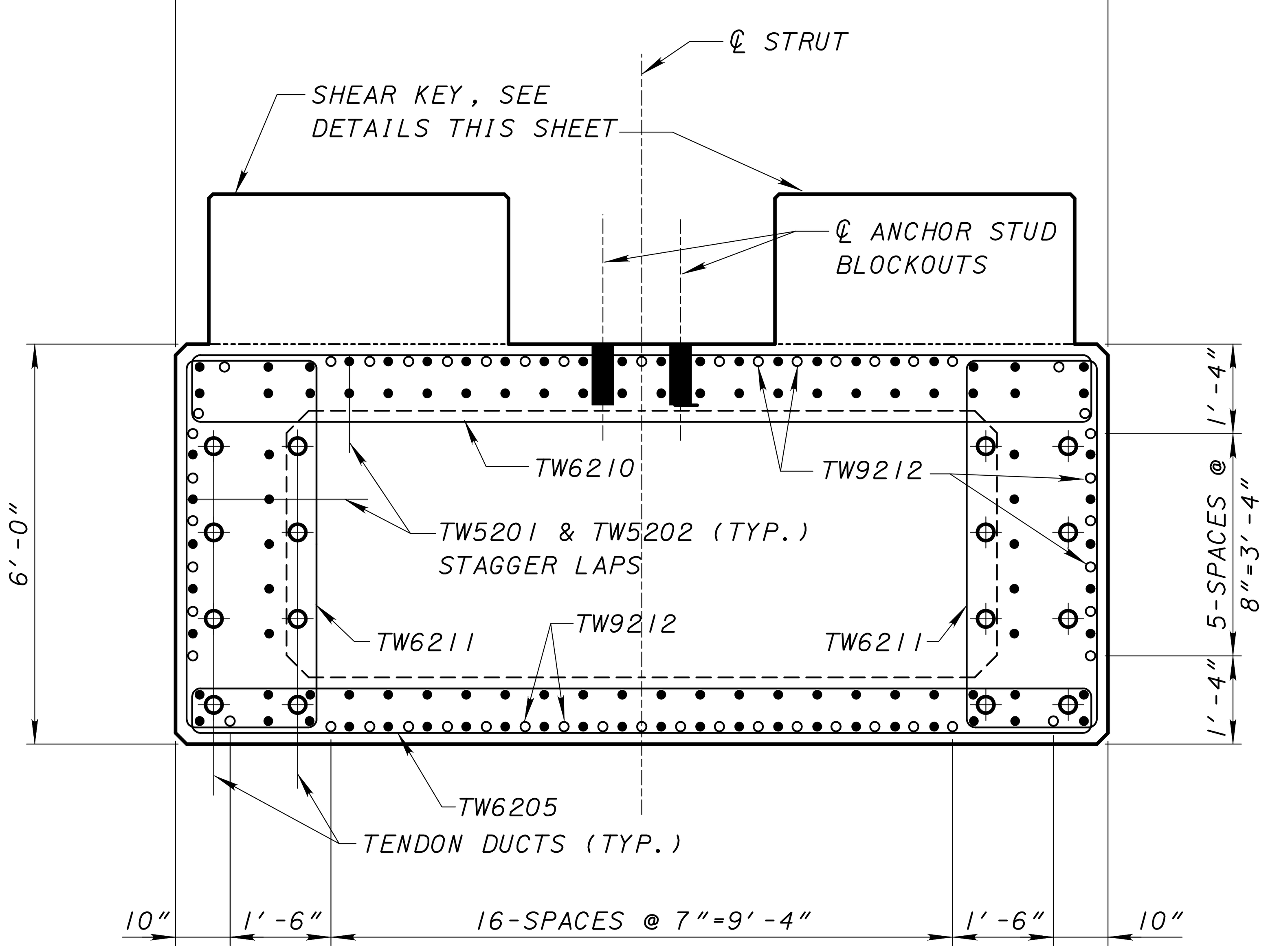
SECTION B-B



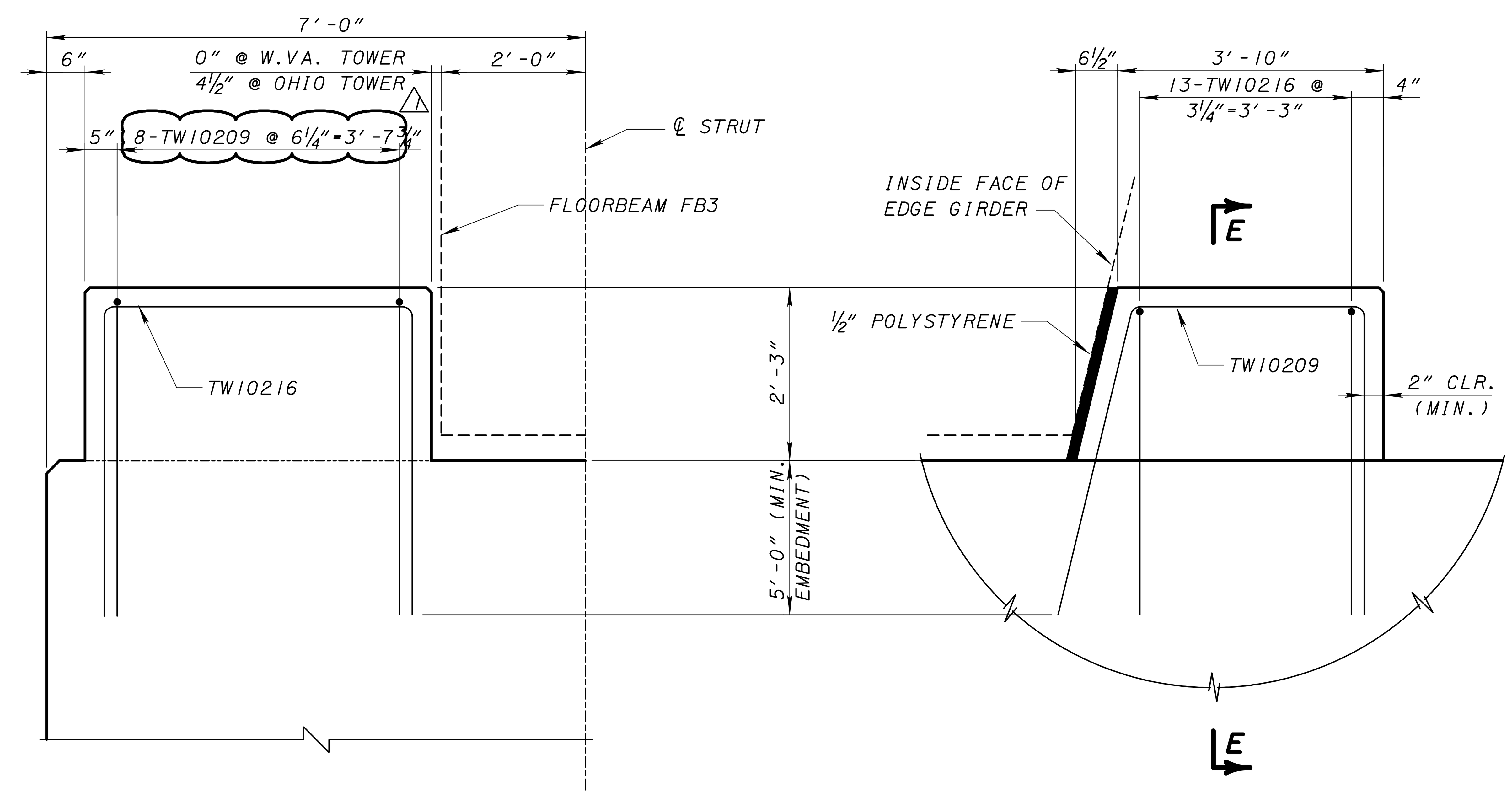
SECTION D-D

NOTES

1. FOR REINFORCING STEEL LIST, SEE SHEET 206/243



SECTION C-C

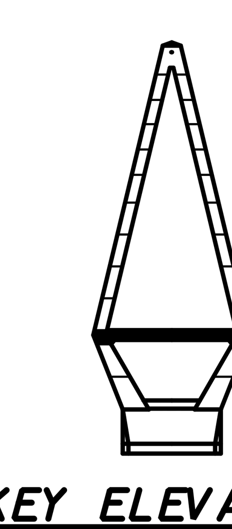


SECTION E-E

ELEVATION

SHEAR KEY DETAILS

NOTE
BAR MARKS SHOWN APPLY TO THE WEST VIRGINIA TOWER.
BAR MARKS FOR THE OHIO TOWER ARE THE SAME, EXCEPT THAT THE BAR MARK PREFIX WILL BE "TH" RATHER THAN "TW".



KEY ELEVATION

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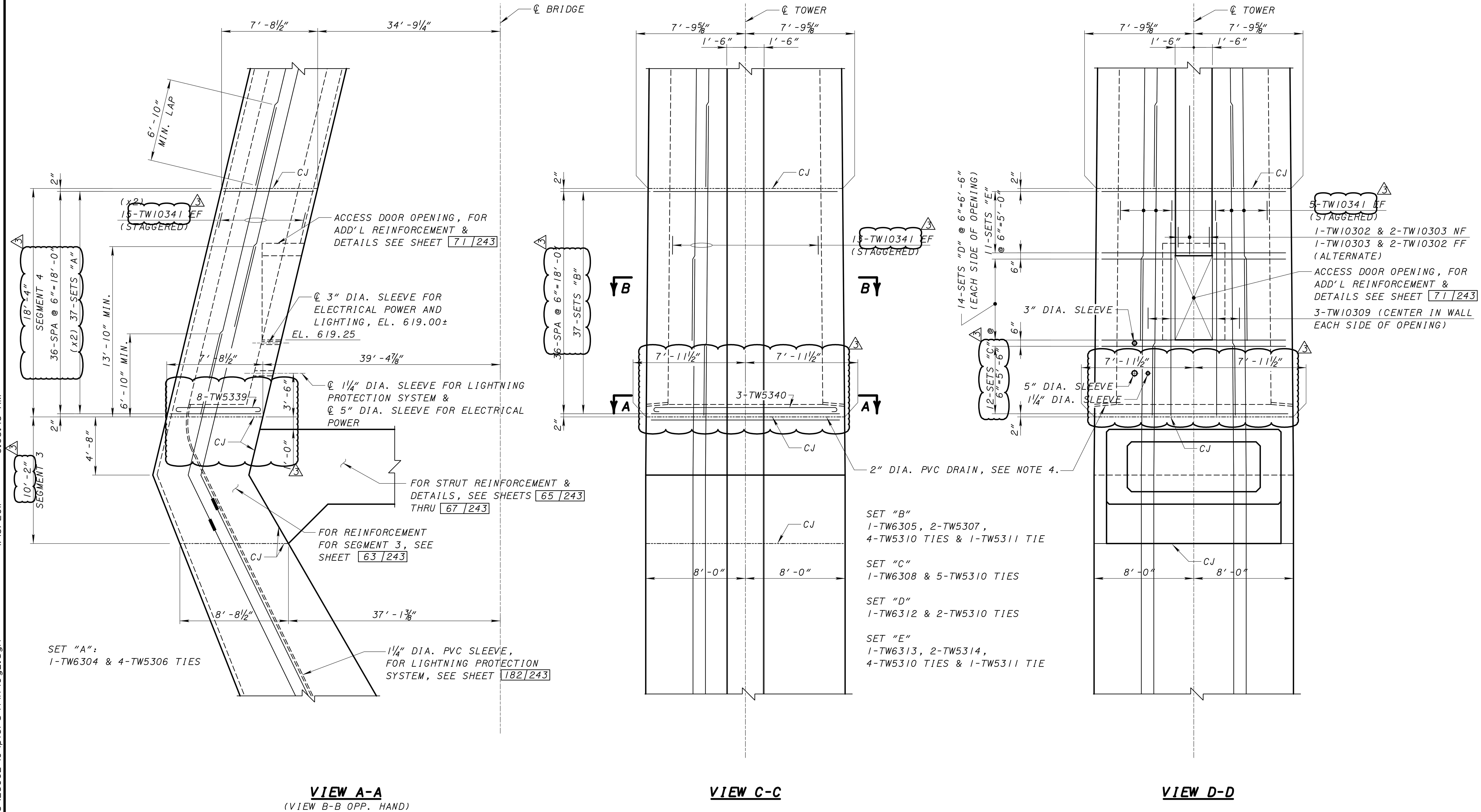
NUMBER	REVISION	DATE	BY
1	AS-BUILT	8/10	LNG

DESIGNED MSL | CHECKED MJZ | DRAWN GJW | REVISED | REVIEWED JRC | DATE 5-02 | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

TOWER STRUT REINFORCEMENT (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70



VIEW A-A
(VIEW B-B OPP. HAND)

VIEW C-C

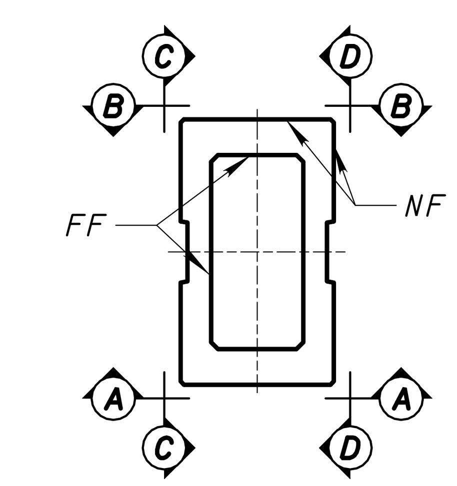
VIEW D-D

TOWER LEG SEGMENTS 3 & 4
(LEFT LEG SHOWN, RIGHT LEG OPP. HAND)

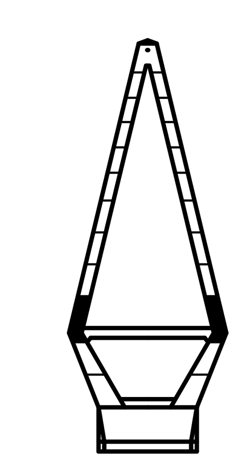
NOTE
BAR MARKS SHOWN APPLY TO THE WEST VIRGINIA TOWER.
BAR MARKS FOR THE OHIO TOWER ARE THE SAME, EXCEPT THAT THE BAR MARK PREFIX WILL BE "TH" RATHER THAN "TW".

NOTES

1. FOR SECTION A-A & B-B, SEE SHEET 70/243
2. FOR REINFORCING STEEL LIST, SEE SHEET 207/243
3. SLEEVES SHALL BE PLACED TO MISS REINFORCING STEEL AT THE APPROXIMATE LOCATIONS SHOWN.
4. A 2" DIA. PVC PIPE SHALL BE CAST INTO THE TOWER WALL ON EITHER SIDE TO DRAIN THE BOTTOM OF THE TOWER SHAFT. THE PIPE SHALL HAVE A 5% MIN. SLOPE, AND THE BOTTOM OF THE SHAFT SHALL BE FINISHED TO DRAIN TO THE DRAINS. COST SHALL BE INCIDENTAL TO TOWER CONCRETE.



KEY PLAN



KEY ELEVATION

NUMBER	REVISION	DATE	BY
3	AS-BUILT	8/10	LNG
2	REVISED REINFORCING	2/03	MJZ

DESIGN AGENCY: BRW HAZELET & ERDAL, A URS COMPANY, (513) 651-3440, 36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED MJZ | CHECKED CEJ | DRAWN GJW | REVISED | REVIEWED JRC | DATE 5-02 | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

TOWER REINFORCEMENT - UPPER LEGS (1)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

68/243

398/582

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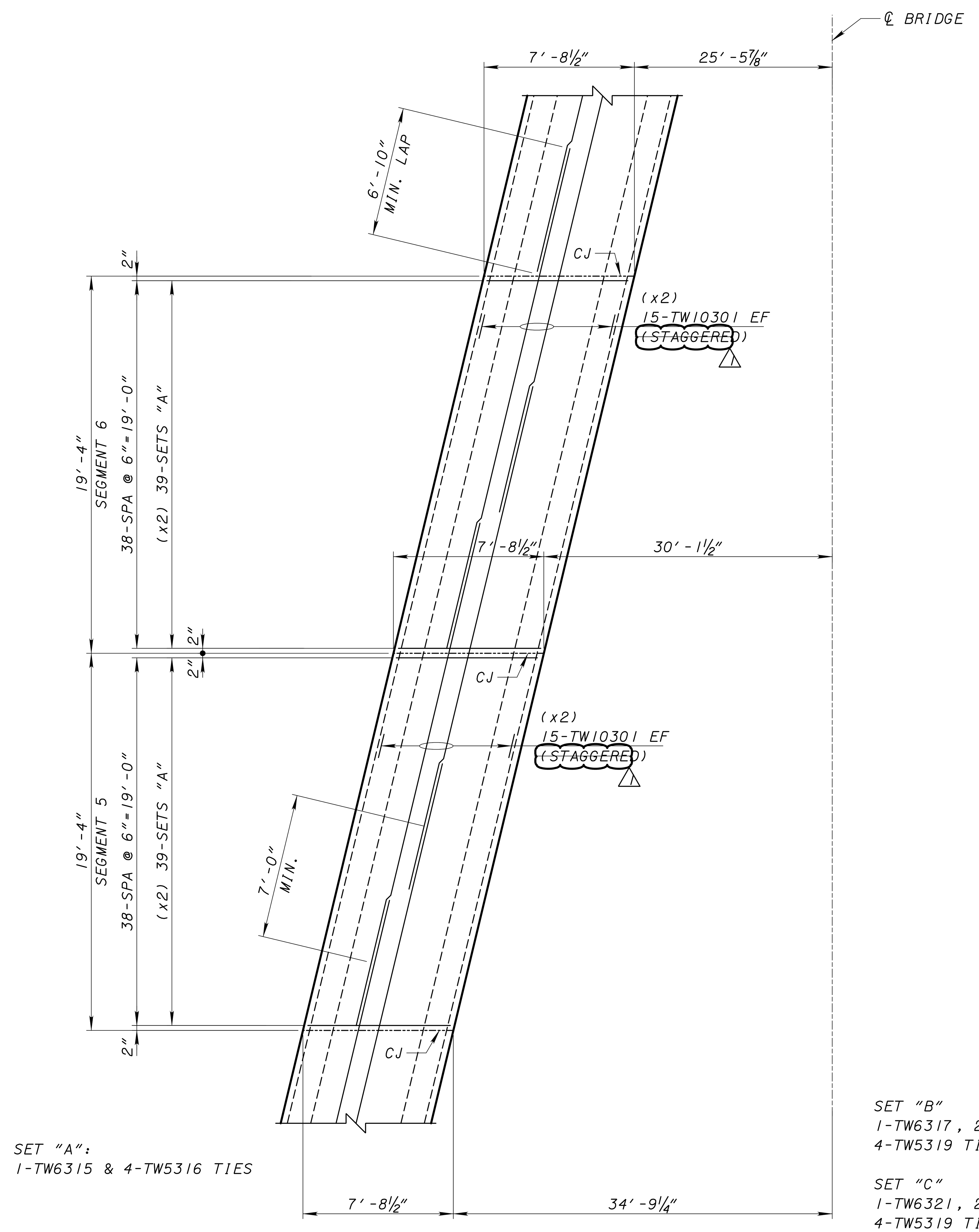
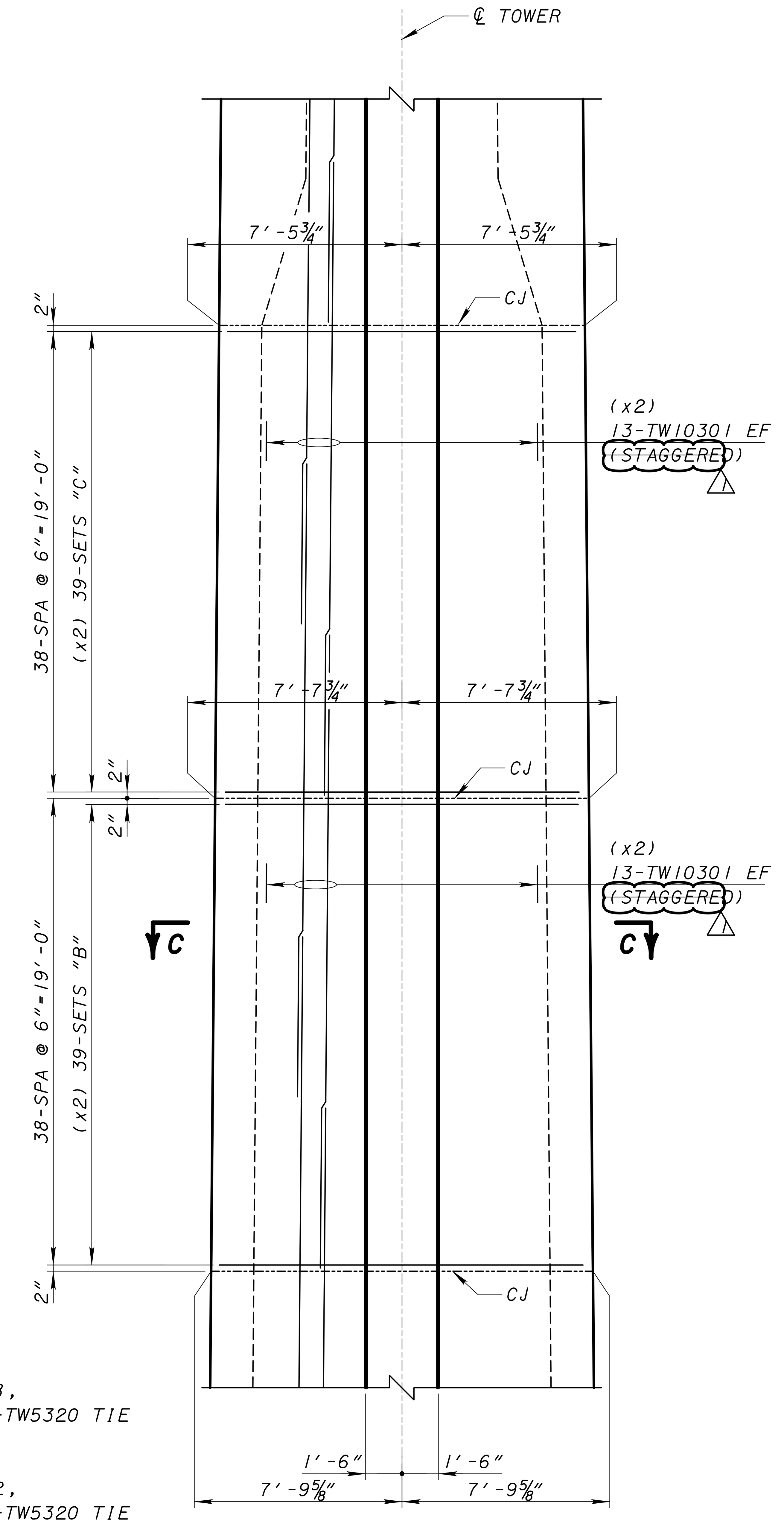


SET "A":
1-TW6315 & 4-TW5316 TIES

VIEW A-A
(VIEW B-B OPP. HAND)

SET "B"
1-TW6317, 2-TW5318,
4-TW5319 TIES & 1-TW5320 TIE

SET "C"
1-TW6321, 2-TW5322,
4-TW5319 TIES & 1-TW5320 TIE

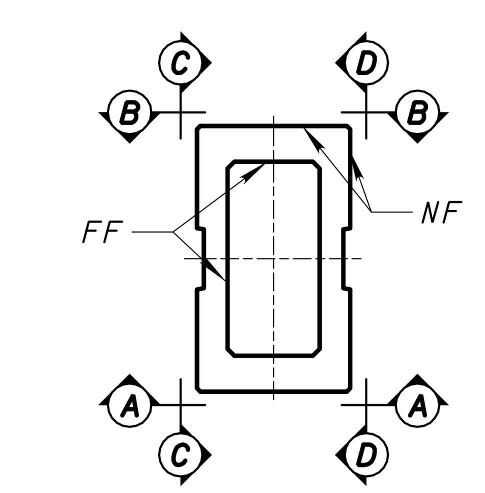


VIEW C-C
(VIEW D-D OPP. HAND)

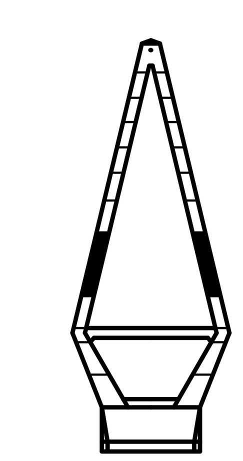
TOWER LEG SEGMENTS 5 & 6
(LEFT LEG SHOWN, RIGHT LEG OPP. HAND)

NOTE
BAR MARKS SHOWN APPLY TO THE WEST VIRGINIA TOWER.
BAR MARKS FOR THE OHIO TOWER ARE THE SAME, EXCEPT THAT THE BAR MARK PREFIX WILL BE "TH" RATHER THAN "TW".

NOTES
1. FOR SECTION C-C, SEE SHEET 70/243
2. FOR REINFORCING STEEL LIST, SEE SHEET 207/243



KEY PLAN



KEY ELEVATION

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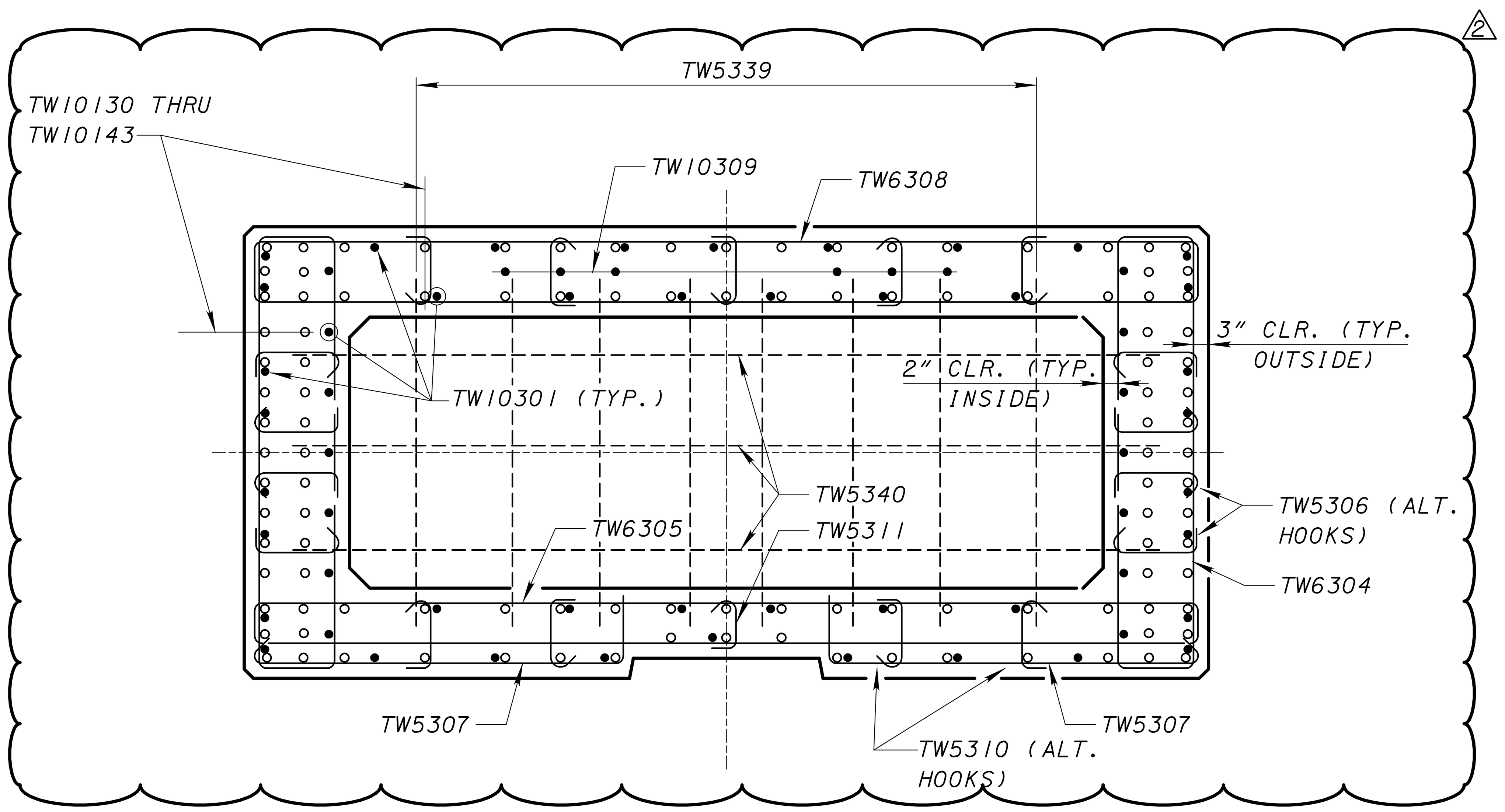
NUMBER	REVISION	DATE	BY
1	AS-BUILT	8/10	LNG

DESIGNED MJZ | DRAWN GJW | REVIEWED JRC | DATE 5-02
CHECKED CEJ | REVISED | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

TOWER REINFORCEMENT - UPPER LEGS (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70



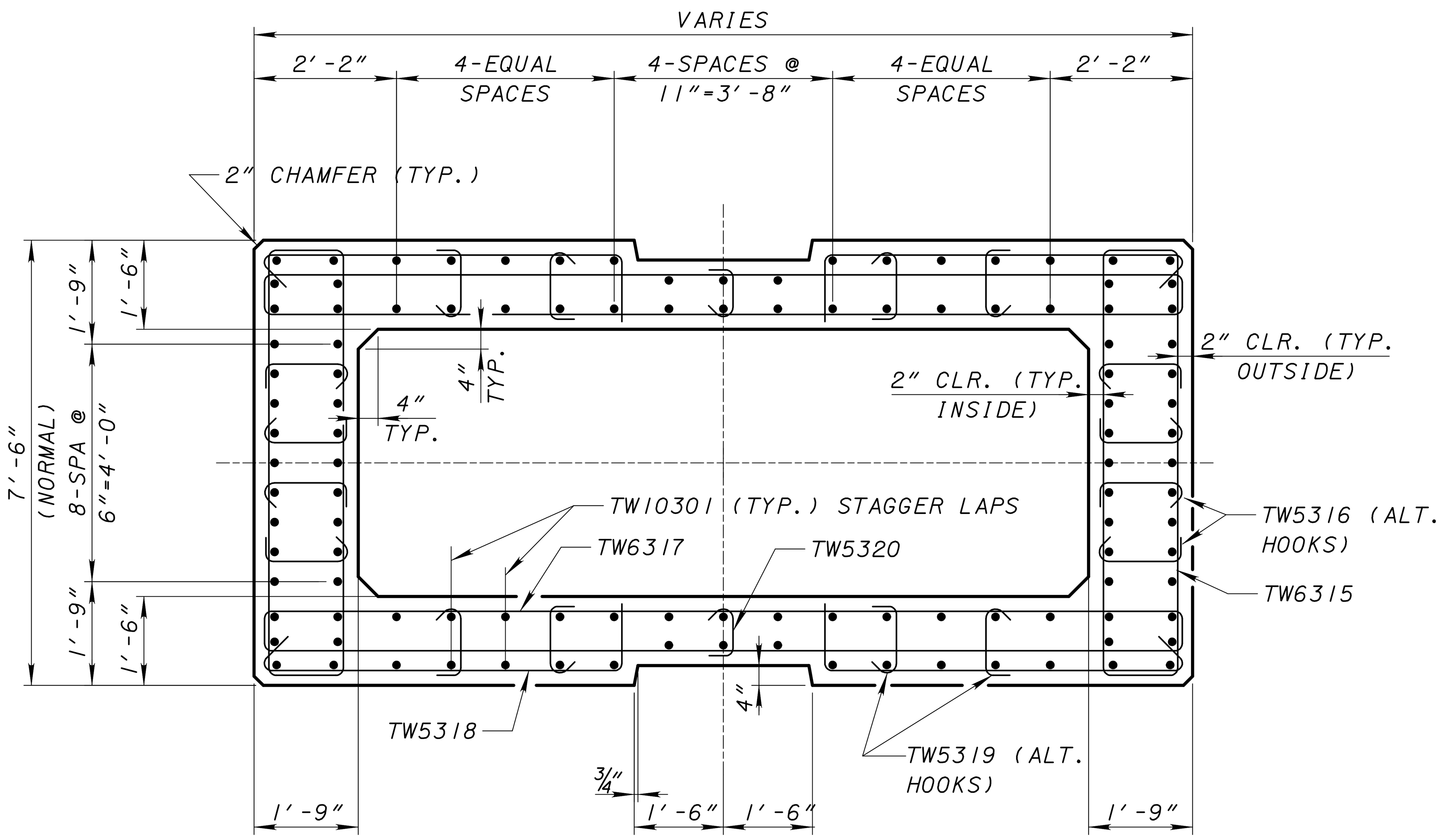
○ = VERTICAL REBAR EXTENDING THROUGH FROM SEGMENT 3.

● = VERTICAL REBAR IN SEGMENT 4.

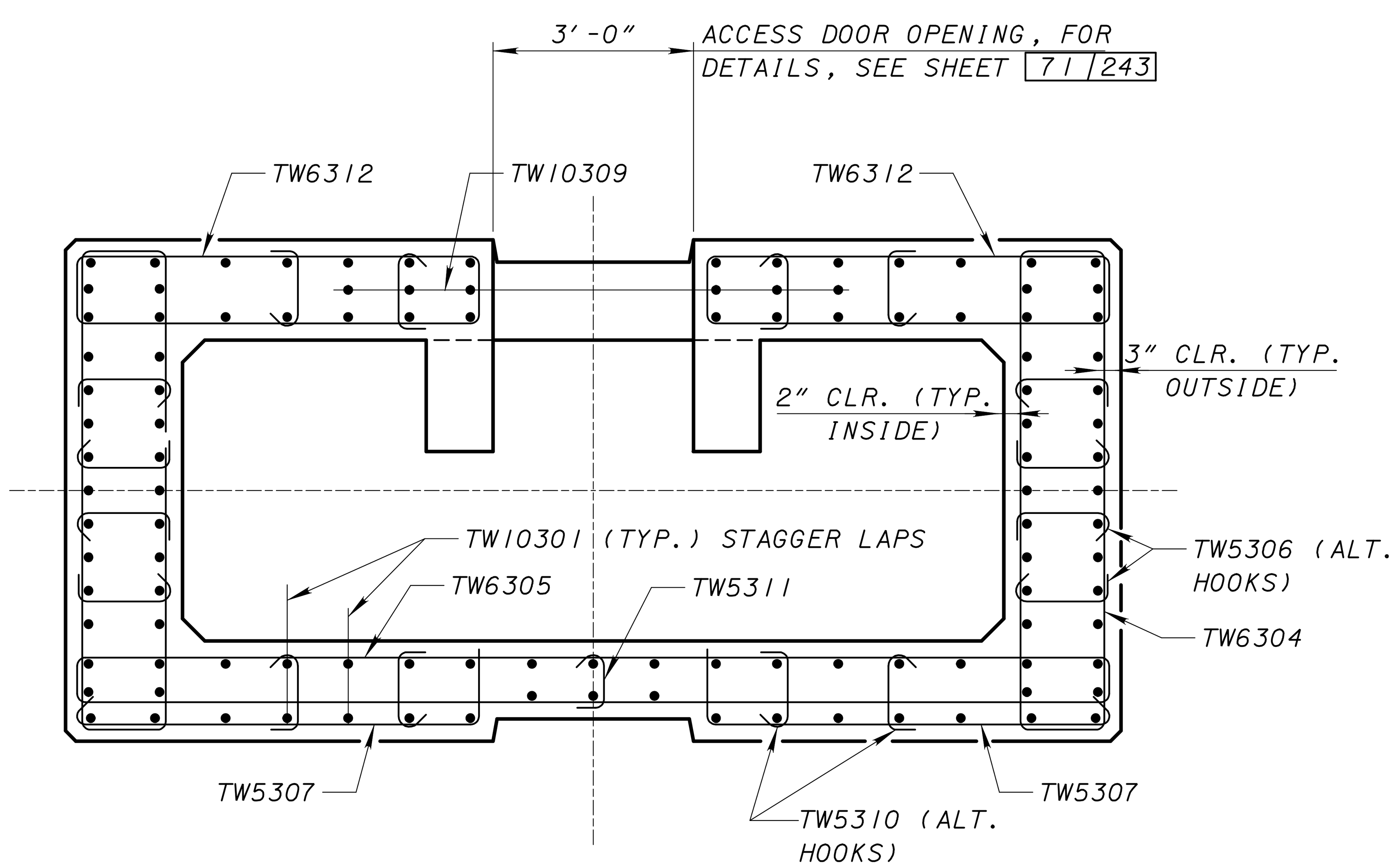
SECTION A-A

(BELOW ACCESS DOOR)

NOTE: FOR BAR SPACING & DETAILS NOT SHOWN, SEE SECTION C-C



SECTION C-C



SECTION B-B

(AT ACCESS DOOR)

NOTE: FOR BAR SPACING & DETAILS NOT SHOWN, SEE SECTION C-C

NOTES

1. FOR REINFORCING STEEL LIST, SEE SHEET 207/243

NOTE
BAR MARKS SHOWN APPLY TO THE WEST VIRGINIA TOWER.
BAR MARKS FOR THE OHIO TOWER ARE THE SAME, EXCEPT THAT THE BAR MARK PREFIX WILL BE "TH" RATHER THAN "TW".

NUMBER	REVISION	DATE	BY
2	REVISED REINFORCING	2/03	MJZ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED MJZ | CHECKED CEJ | DRAWN GJW | REVISED | REVIEWED JRC | DATE 5-02
STRUCTURE FILE NUMBER 5300916 OH / 10385 WV

TOWER REINFORCEMENT - UPPER LEGS (3)

BRIDGE NO. MEG-33-1570

POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

70/243

400/582

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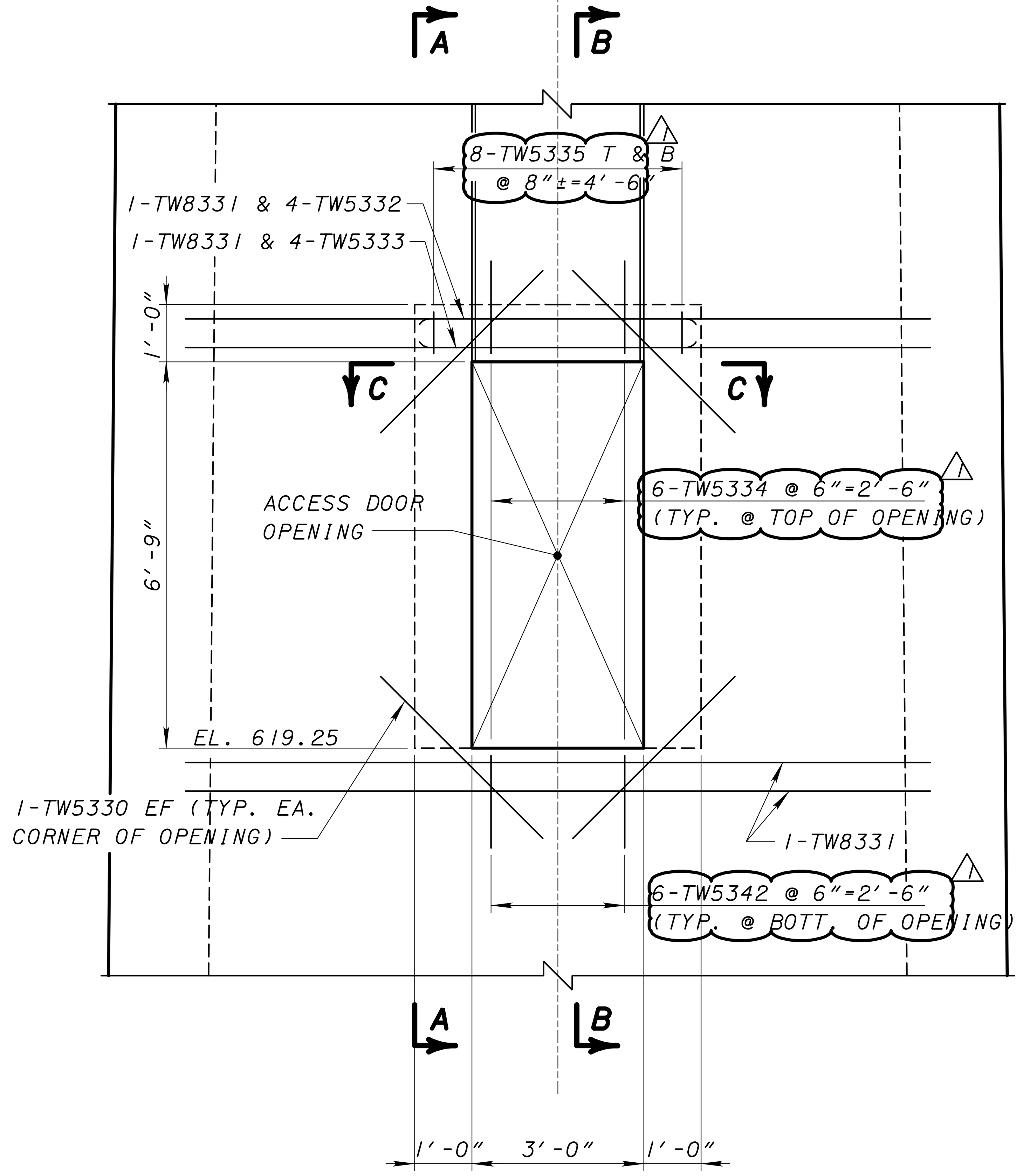
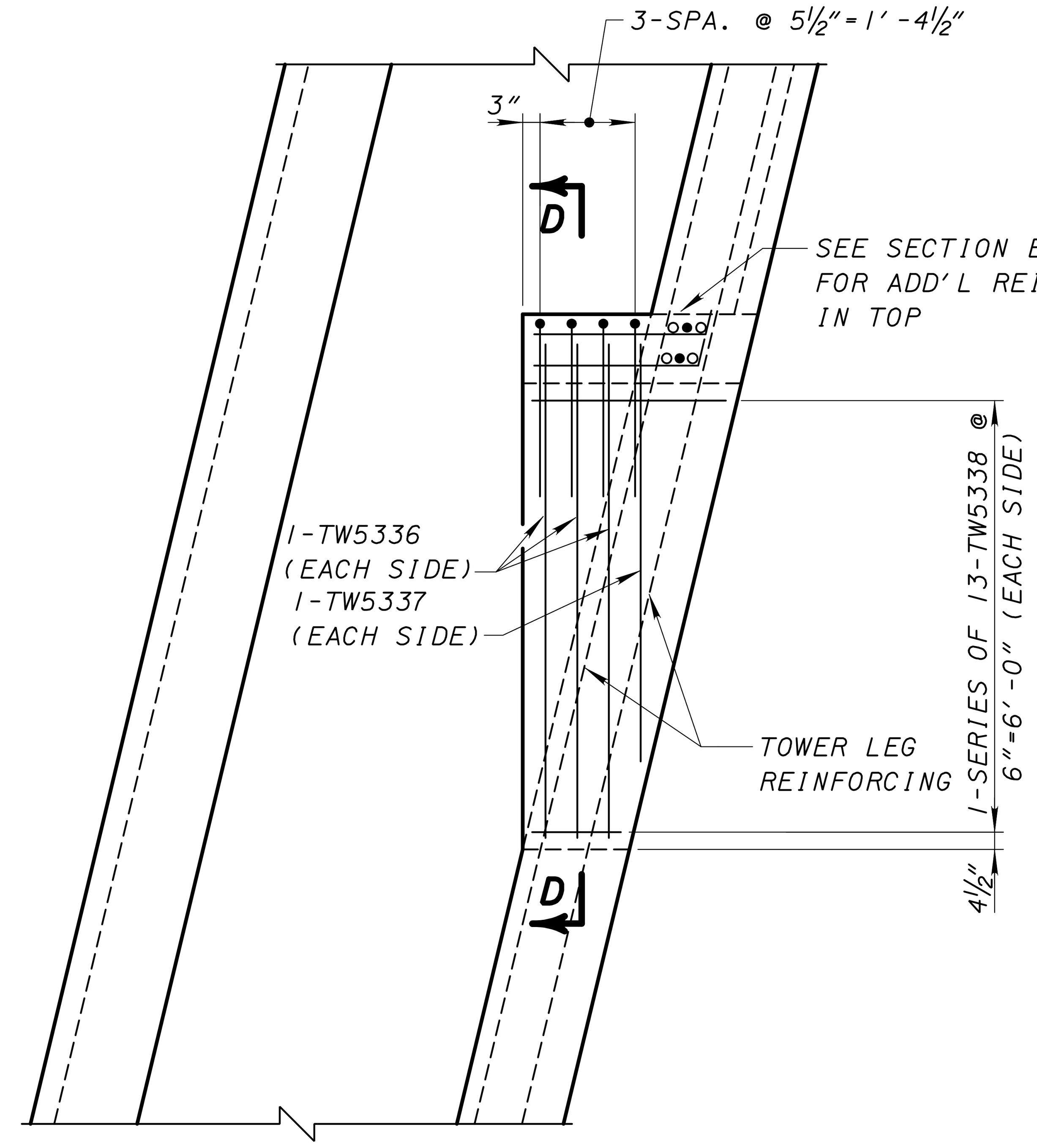
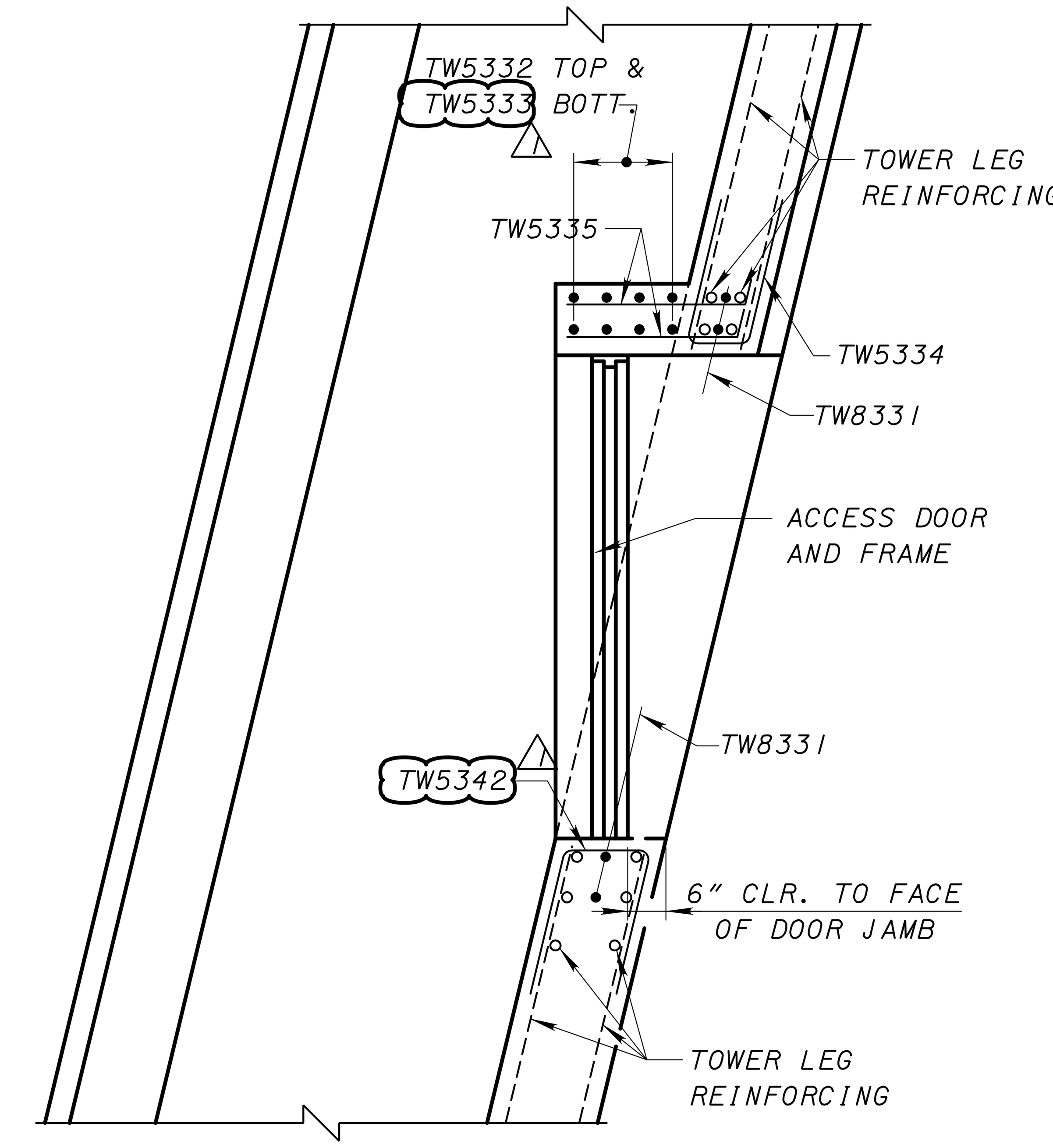


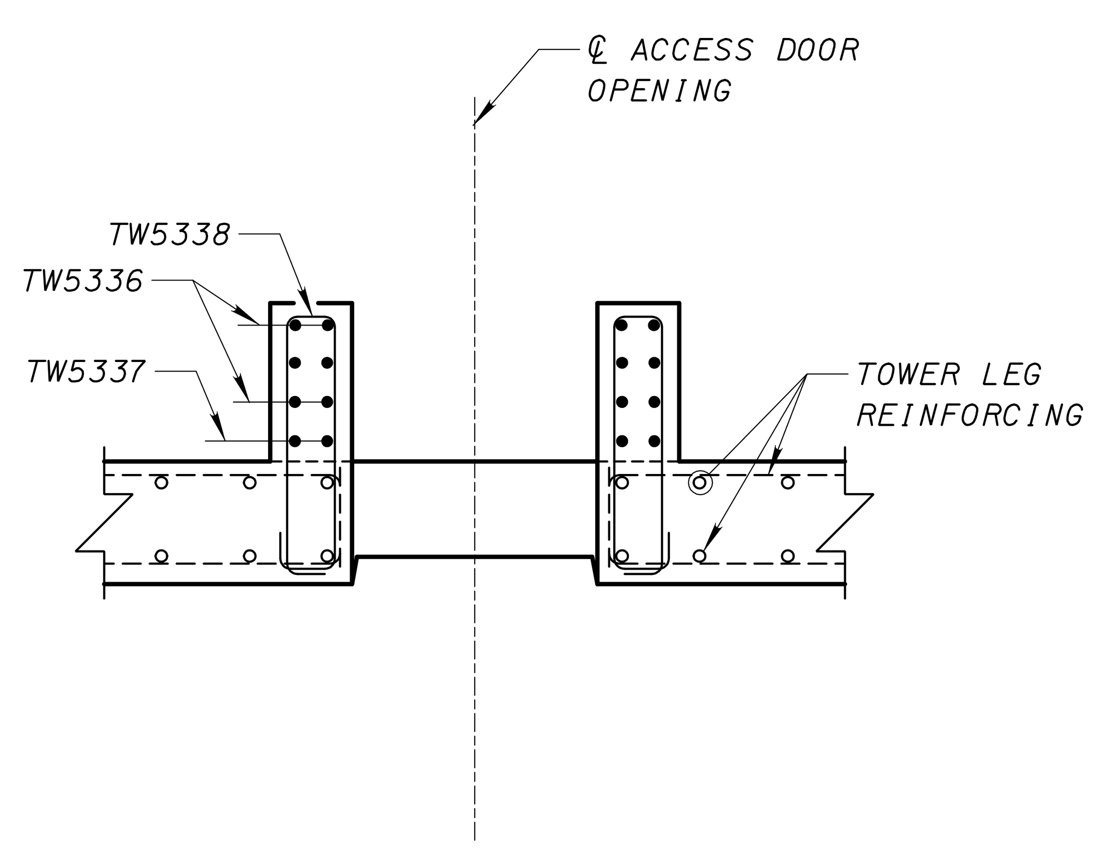
ELEVATION - TOWER ACCESS DOOR



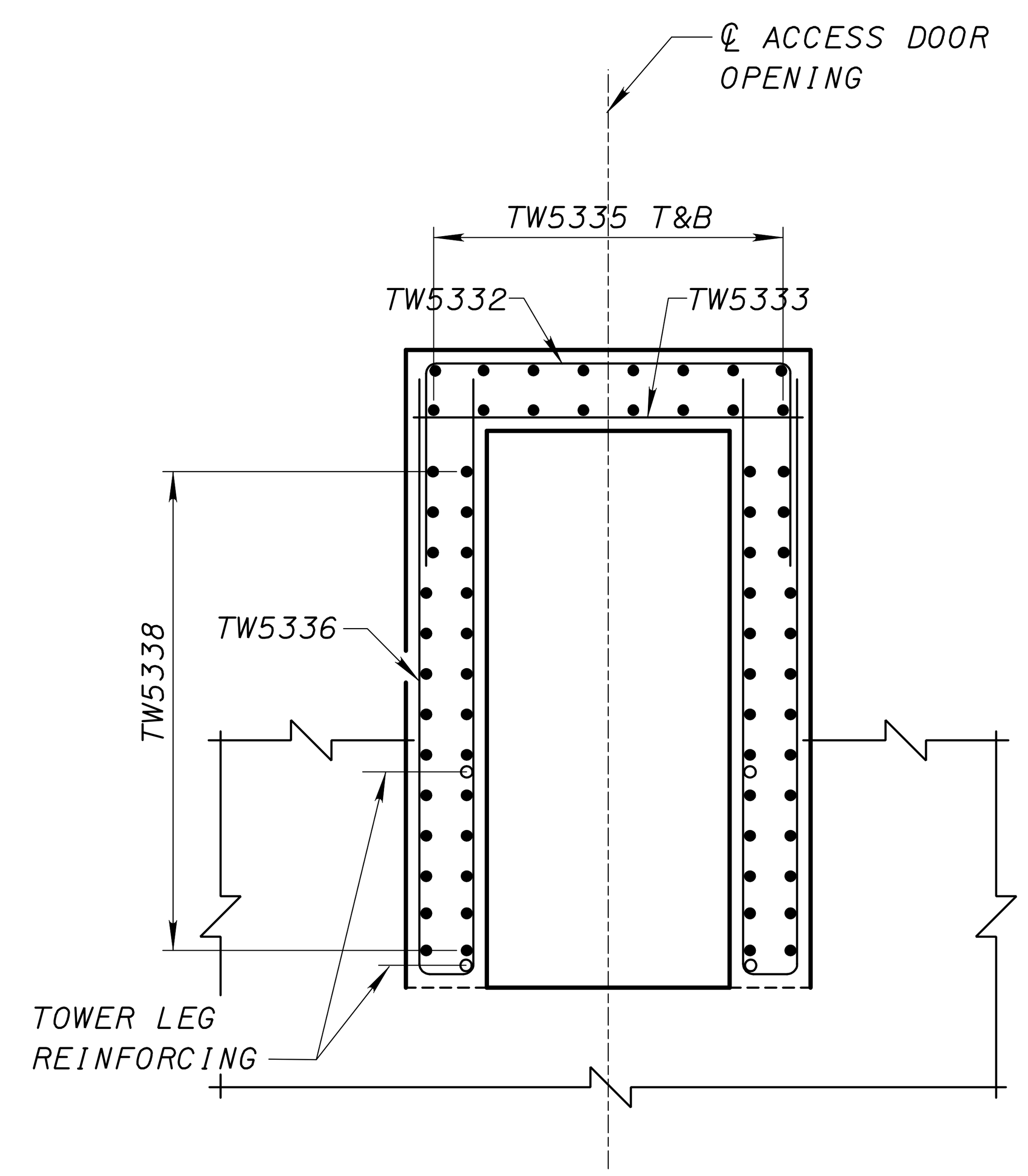
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

NOTE
BAR MARKS SHOWN APPLY TO THE WEST VIRGINIA TOWER.
BAR MARKS FOR THE OHIO TOWER ARE THE SAME, EXCEPT THAT THE BAR MARK PREFIX WILL BE "TH" RATHER THAN "TW".

NOTES

1. FOR DETAILS OF ACCESS DOOR, SEE SHEET 181/243
2. FOR REINFORCING STEEL LIST, SEE SHEET 207/243

NUMBER	REVISION	DATE	BY
1	AS-BUILT	8/10	LNG

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

REVIEWED JRC DATE 5-02
STRUCTURE FILE NUMBER 5300916 OH 10385 WV
DESIGNED MJZ DRAWN GJW CHECKED CEJ REVISED

TOWER REINFORCEMENT - UPPER LEGS (4)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

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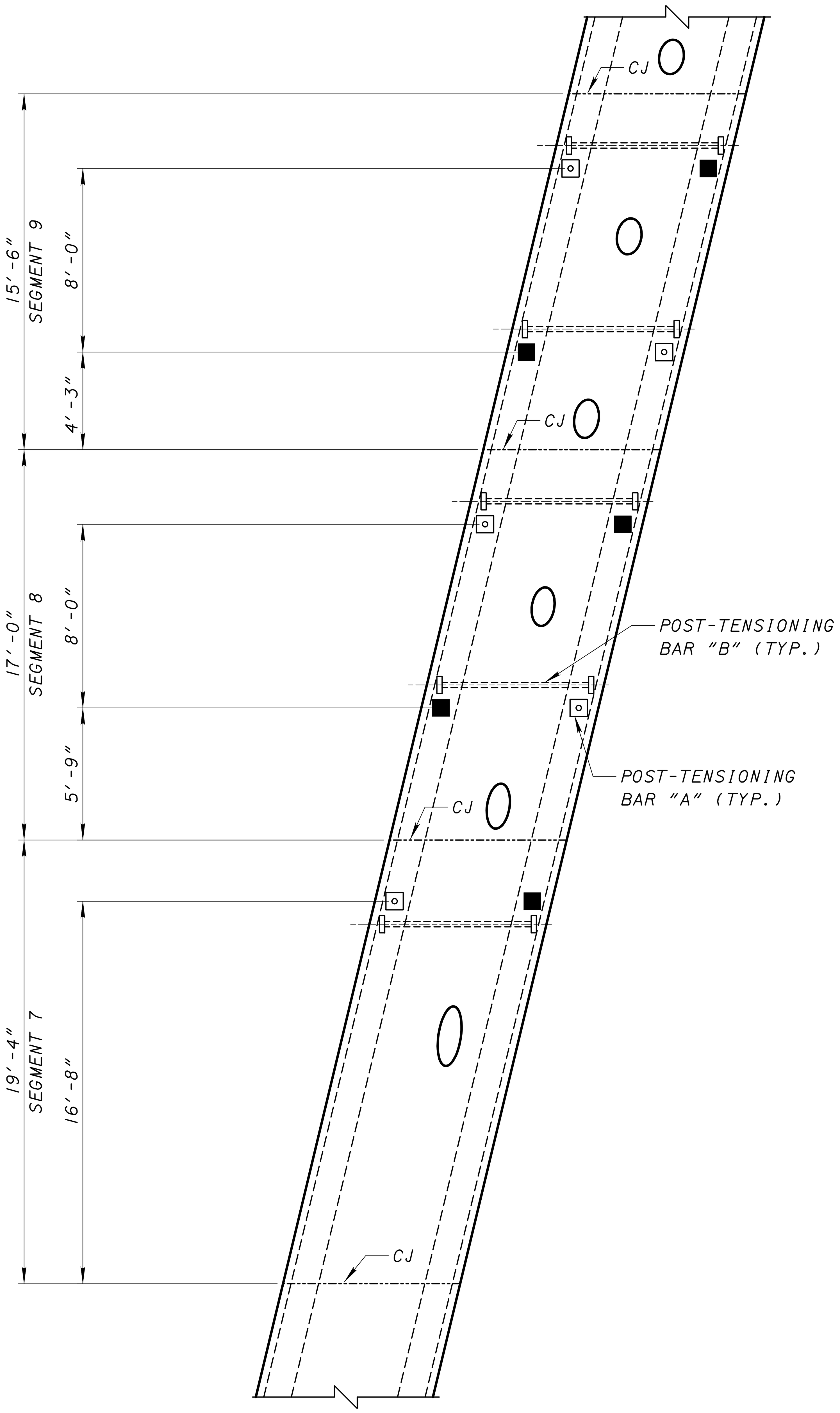
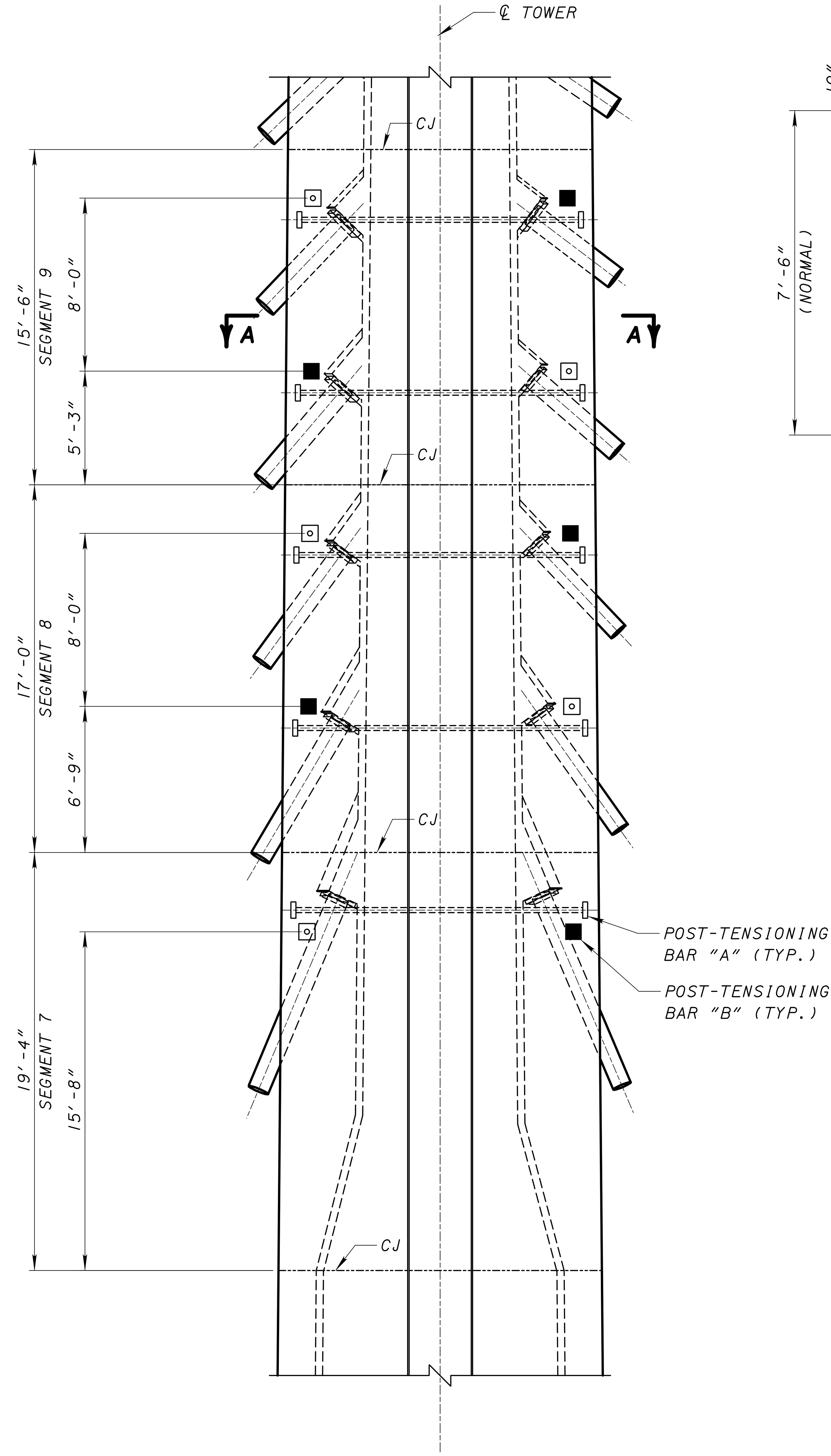
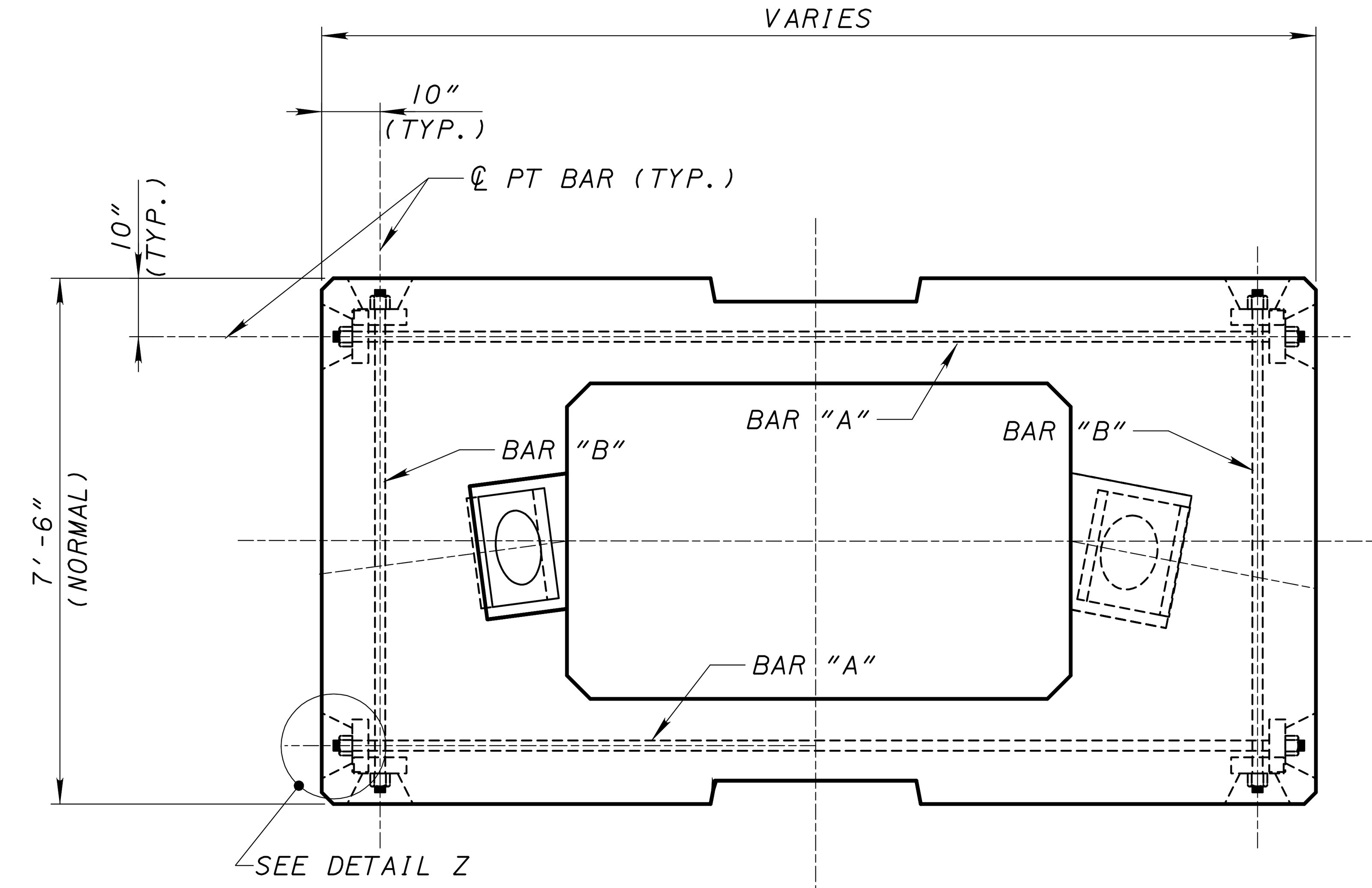


VIEW A-A
(VIEW B-B OPP. HAND)

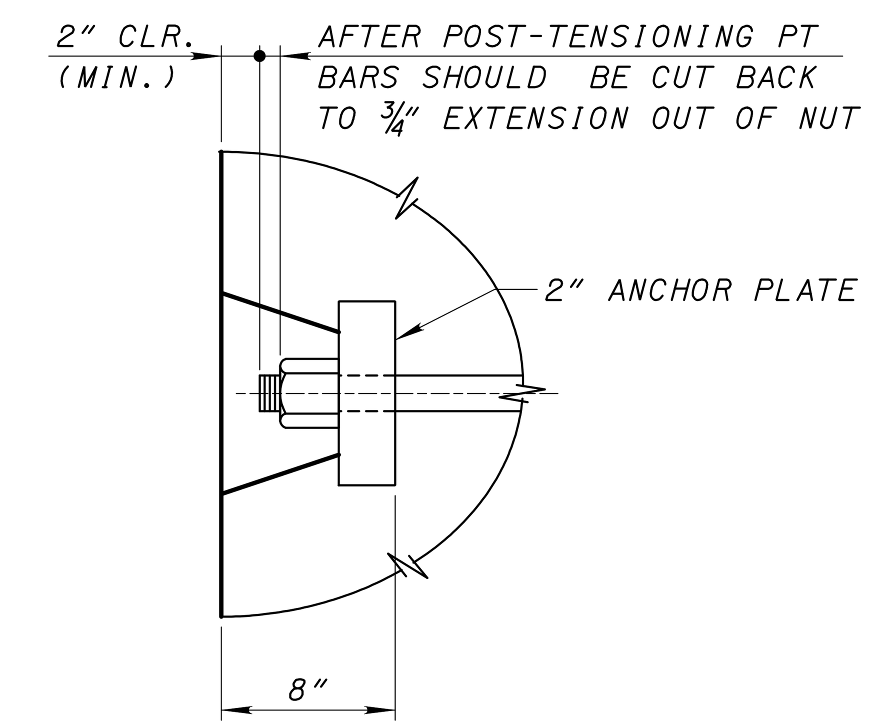


VIEW C-C
(VIEW D-D OPP. HAND)

TOWER LEG SEGMENTS 7, 8 & 9
(LEFT LEG SHOWN, RIGHT LEG OPP. HAND)



SECTION A-A



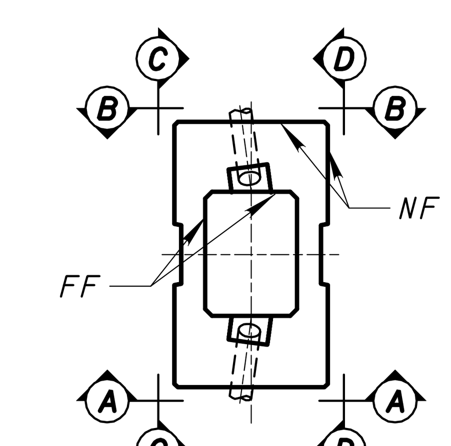
DETAIL Z
END OF PT BAR DETAIL

NOTES

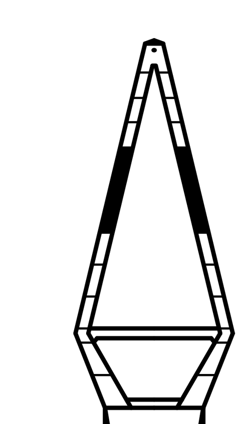
1. FOR GENERAL NOTES, SEE SHEETS 4/243 THRU 8/243
2. FOR TOWER GEOMETRY, SEE SHEET 55/243
3. FOR CABLE ANCHORAGE GEOMETRY, SEE SHEET 85/243
4. FOR TABLE OF POST-TENSIONING BARS AND NOTES, SEE SHEET 73/243

LEGEND

CJ - CONSTRUCTION JOINT
□ - STRESSING END
■ - DEAD END
|-------| - POST-TENSIONING BAR



KEY PLAN



KEY ELEVATION

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
MSL	GJW	JRC	5-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
MJZ		5300916 OH 10385 WV	

TOWER HEAD POST-TENSIONING (I)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

72/243

402/582

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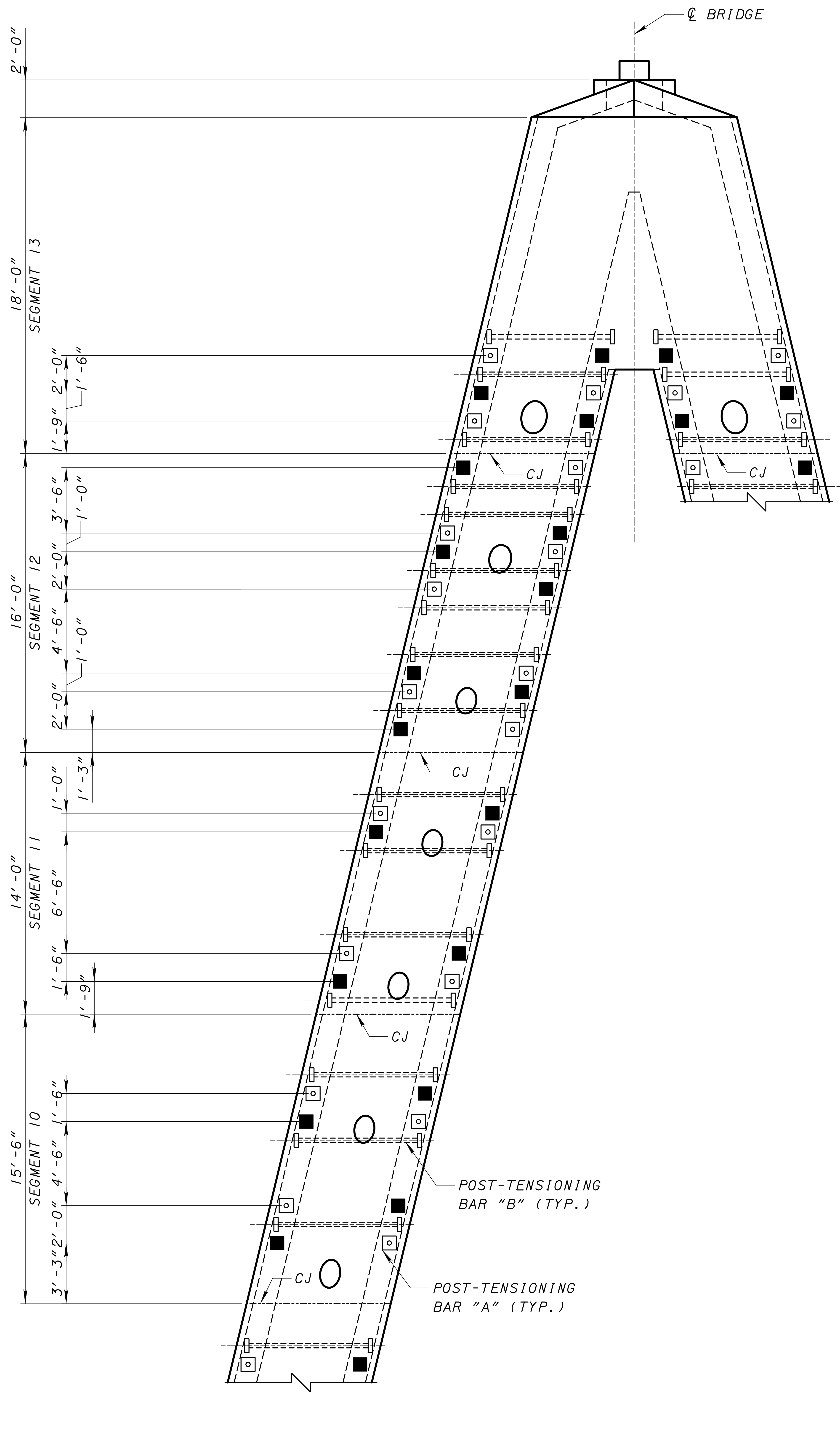
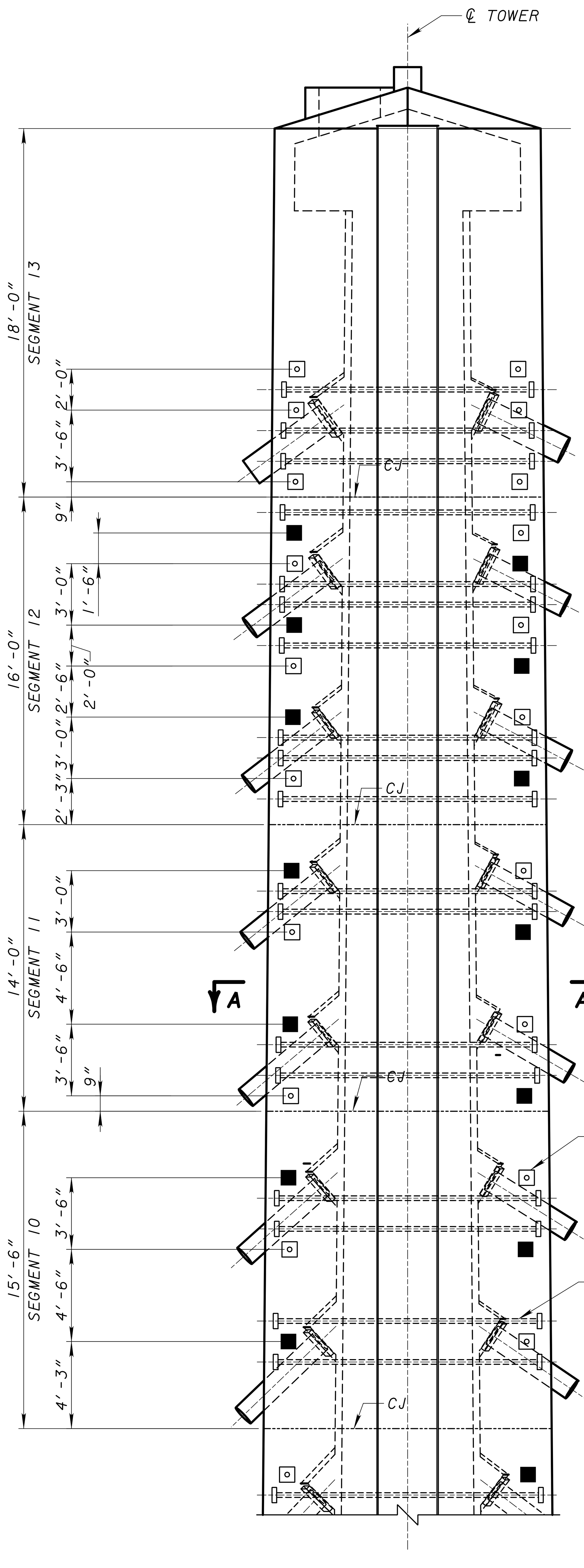


VIEW A-A
(VIEW B-B OPP. HAND)



VIEW C-C
(VIEW D-D OPP. HAND)

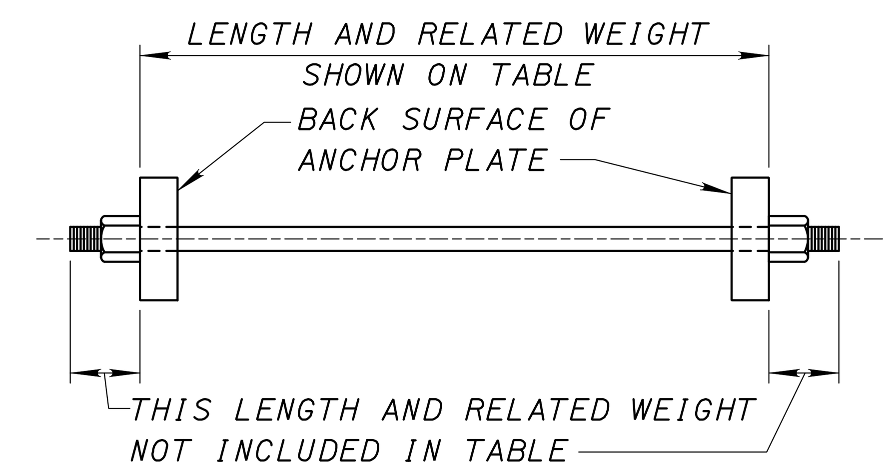
TOWER LEG SEGMENTS 10, 11, 12 & 13
(LEFT LEG SHOWN, RIGHT LEG OPP. HAND)

TOWER HEAD TABLE OF POST-TENSIONING BARS

BAR ID NUMBER	NUMBER OF BARS	FORCE (KIPS)	BAR LENGTH (FEET)	BAR WEIGHT (LBS)	TOTAL WEIGHT (LBS)
A	184	280	13'-8" (MAX.)	126.1 (MAX.)	23210
B	168	280	6'-8"	61.5	10338

POST-TENSIONING NOTES:

A. ALL POST-TENSIONING BARS SHALL BE 1¾" DIA.
B. ALL ANCHOR PLATES FOR 1¾" PT BARS SHALL BE 9"x9"x2"
C. BARS SHALL BE JACKED TO PROVIDE A FINAL BAR FORCE AS SHOWN IN THE TABLE ABOVE, INCLUDING ANY ANTICIPATED ANCHOR SET LOSS. MAXIMUM JACKING FORCE SHALL NOT EXCEED 320 K.
D. CONCRETE SHALL HAVE OBTAINED A MINIMUM STRENGTH OF 5000 PSI PRIOR TO STRESSING.
E. BAR LENGTHS AND WEIGHTS SHOWN HERE ARE FOR BIDDING PURPOSES ONLY, ALL MATERIALS AND LABOR NECESSARY FOR INSTALLATION OF PT BARS SHALL BE INCLUDED IN THE LUMP SUM PRICE FOR ITEM SPECIAL STRUCTURE MISC.: POST-TENSIONING TENDONS (TOWER BAR)

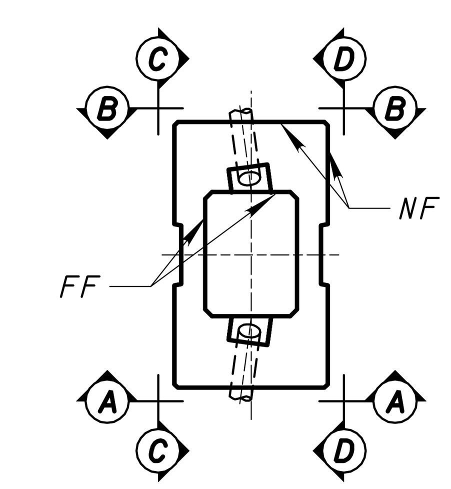


NOTES

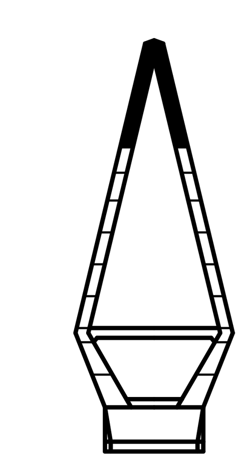
1. FOR SECTION A-A AND ADDITIONAL NOTES, SEE SHEET 72/243

LEGEND

CJ = CONSTRUCTION JOINT
□ = STRESSING END
■ = DEAD END
├-----┤ = POST-TENSIONING BAR



KEY PLAN



KEY ELEVATION

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED MSL | CHECKED CEJ | DRAWN GJW | REVISED | REVIEWED JRC | DATE 5-02 | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

TOWER HEAD POST-TENSIONING (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

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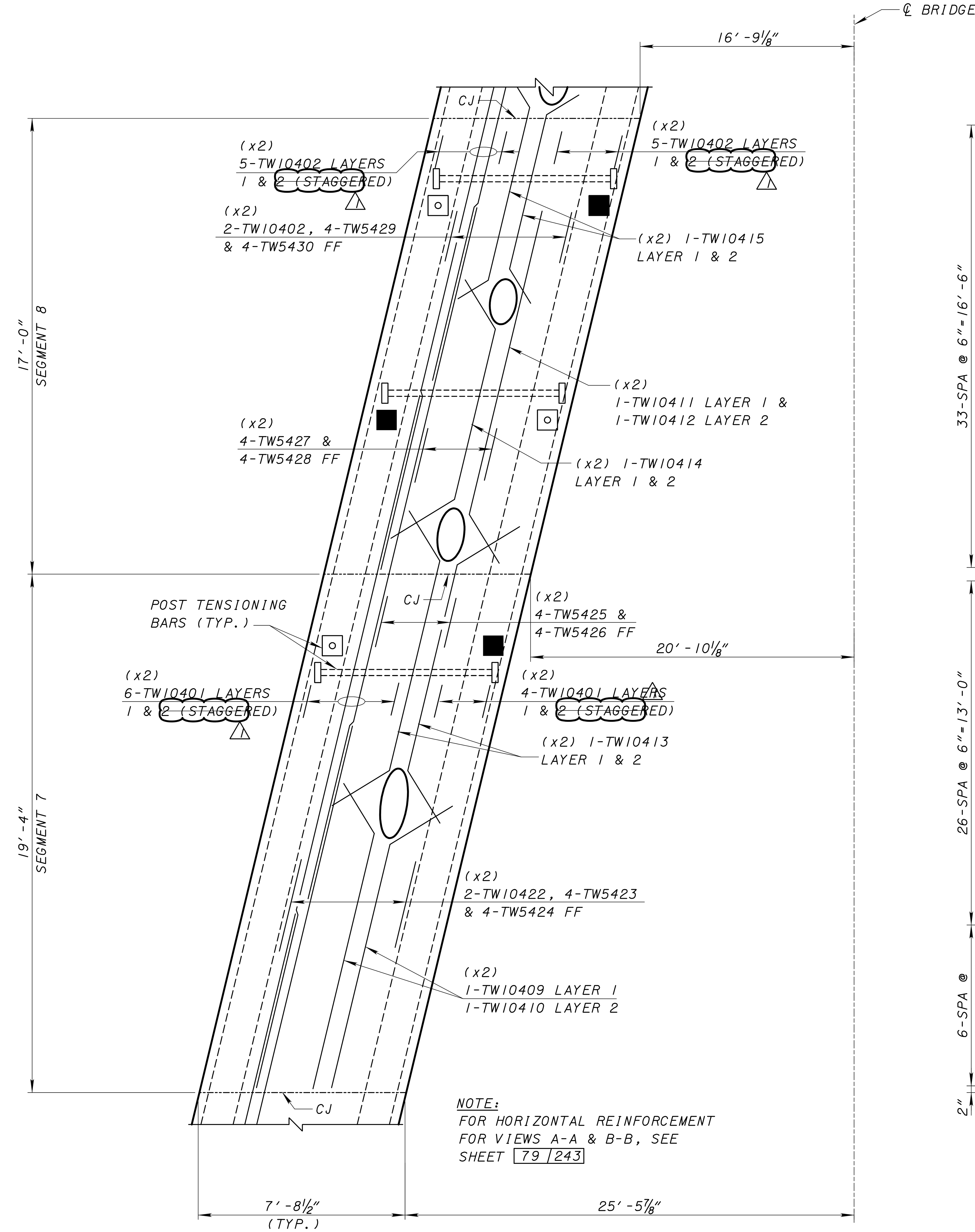
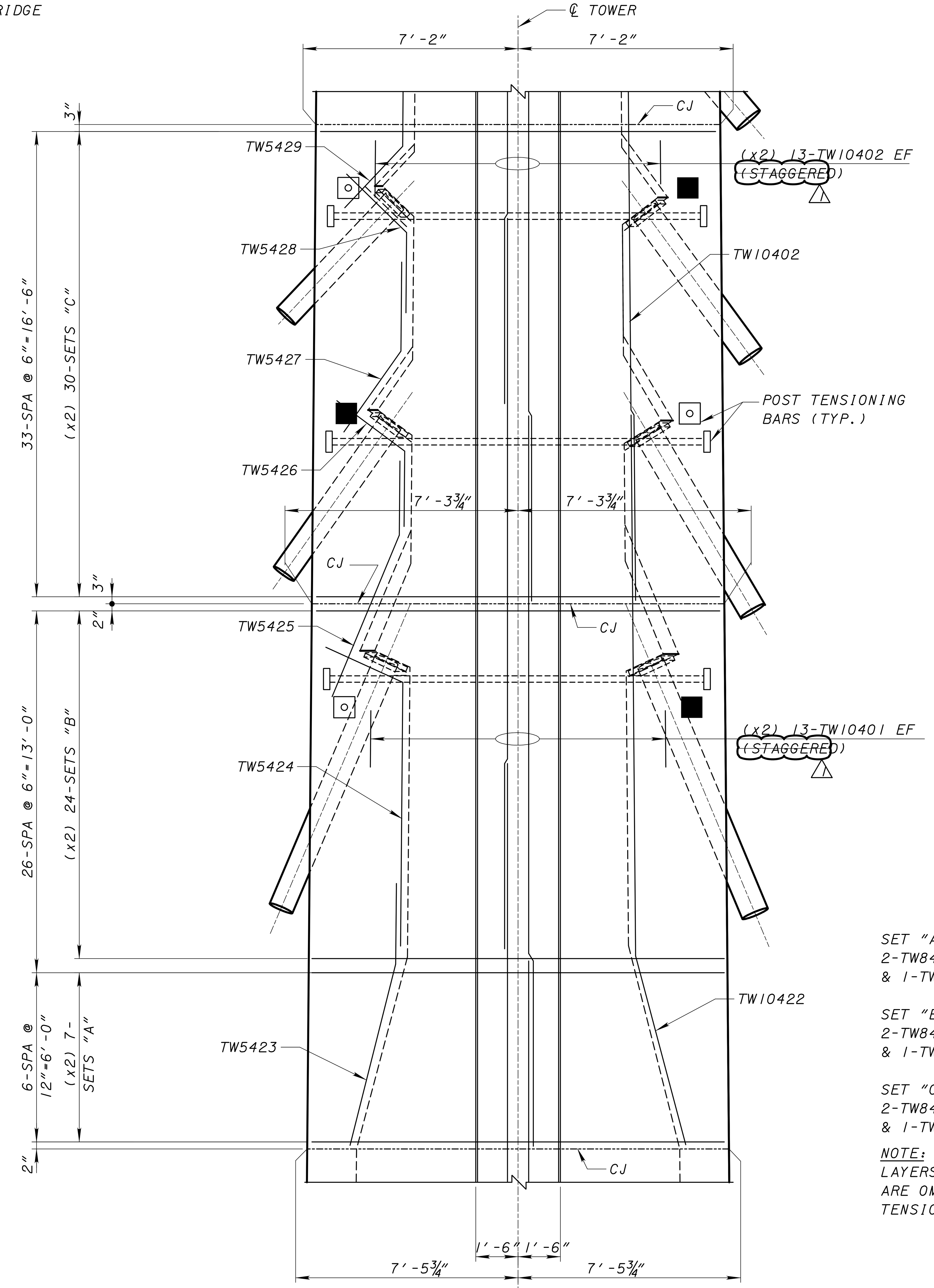


NOTE:
FOR HORIZONTAL REINFORCEMENT
FOR VIEWS A-A & B-B, SEE
SHEET 79/243

VIEW A-A
(VIEW B-B OPP. HAND)



VIEW C-C
(VIEW D-D OPP. HAND)

SET "A":
2-TW8454, 2-TW5455, 4-TW5456 TIES
& 1-TW5457 TIE

SET "B"
2-TW8458, 2-TW5459, 4-TW5456 TIES
& 1-TW5457 TIE

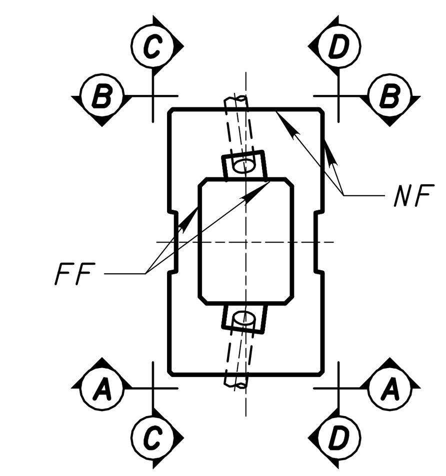
SET "C"
2-TW8460, 2-TW5461, 4-TW5456 TIES
& 1-TW5457 TIE

NOTE:
LAYERS OF HORIZONTAL REINFORCING
ARE OMITTED AT LEVELS OF POST-
TENSIONING BARS.

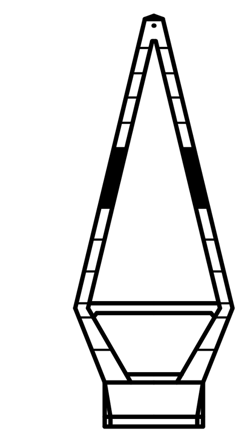
TOWER LEG SEGMENTS 7 & 8
(LEFT LEG SHOWN, RIGHT LEG OPP. HAND)

NOTES
1. FOR REINFORCING STEEL LIST, SEE
SHEETS 207/243 & 208/243

NOTE
BAR MARKS SHOWN APPLY TO THE WEST
VIRGINIA TOWER.
BAR MARKS FOR THE OHIO TOWER ARE
THE SAME, EXCEPT THAT THE BAR MARK
PREFIX WILL BE "TH" RATHER THAN "TW".



KEY PLAN



KEY ELEVATION

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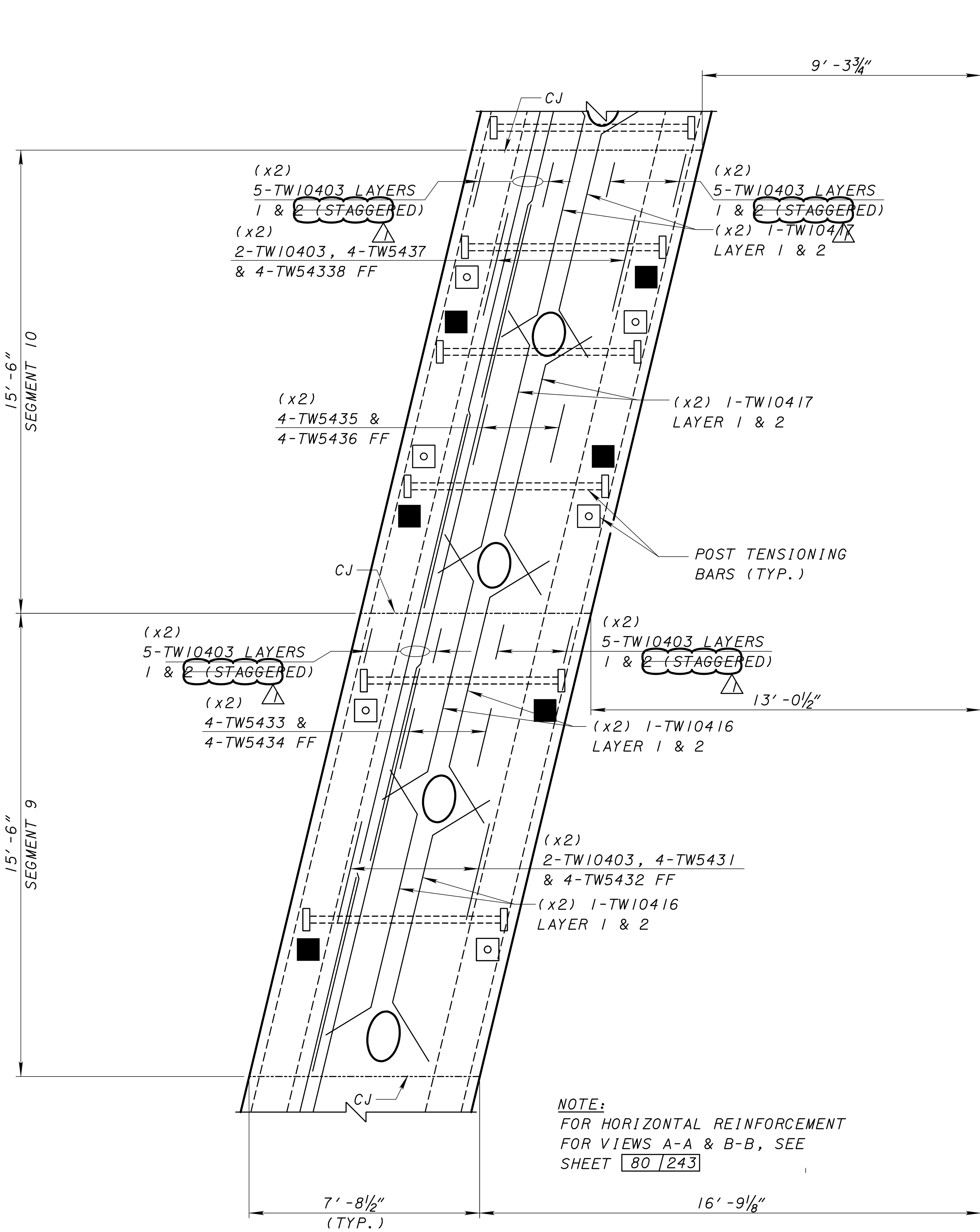
NUMBER	REVISION	DATE	BY
1	AS-BUILT	8/10	LNG

DESIGNED MJZ | CHECKED CEJ | DRAWN GJW | REVISED | REVIEWED JRC | DATE 5-02 | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

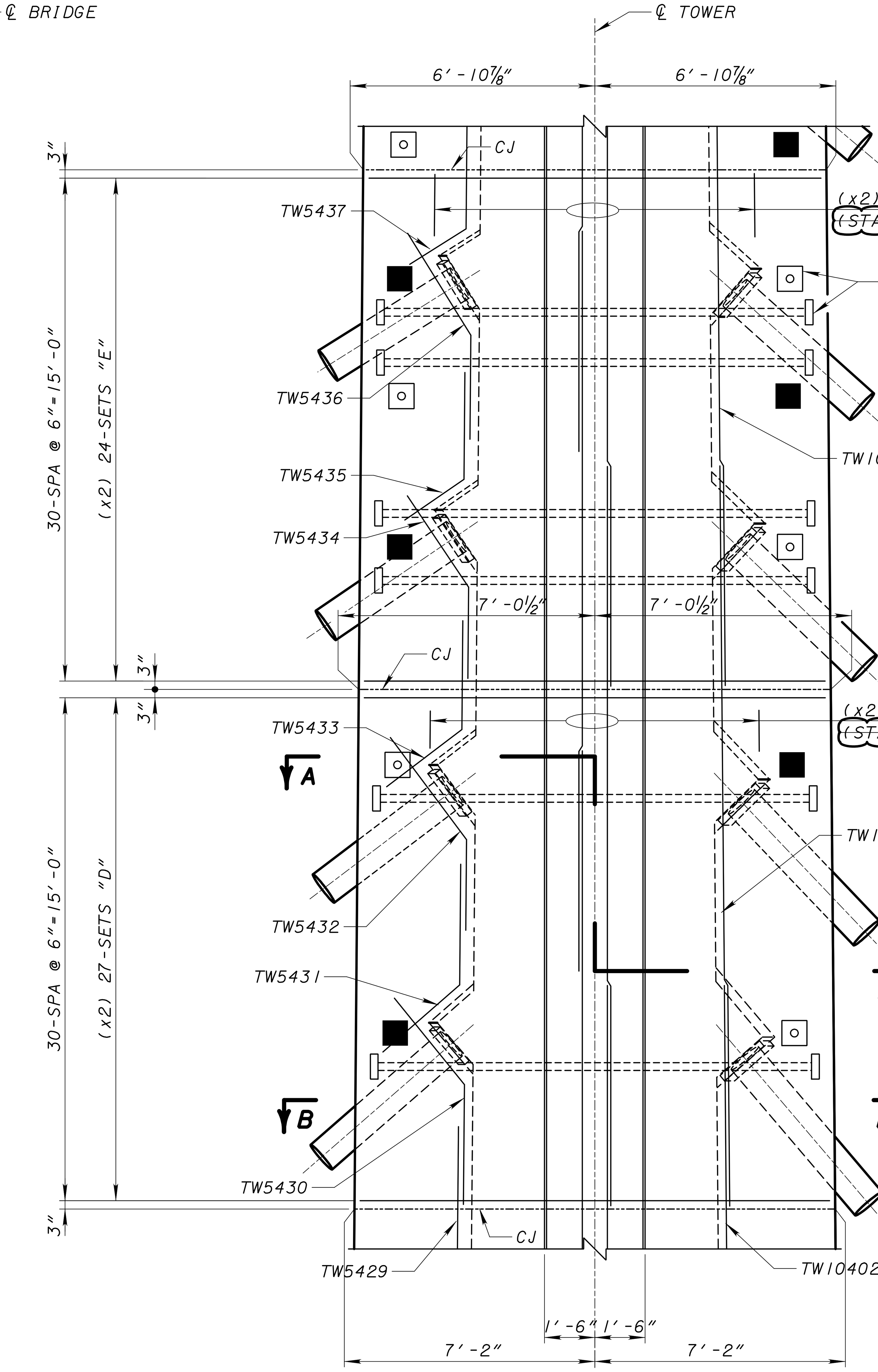
TOWER REINFORCEMENT - TOWER HEAD (1)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70



NOTE:
FOR HORIZONTAL REINFORCEMENT
FOR VIEWS A-A & B-B, SEE
SHEET 80 / 243

VIEW A-A
(VIEW B-B OPP. HAND)



VIEW C-C
(VIEW D-D OPP. HAND)

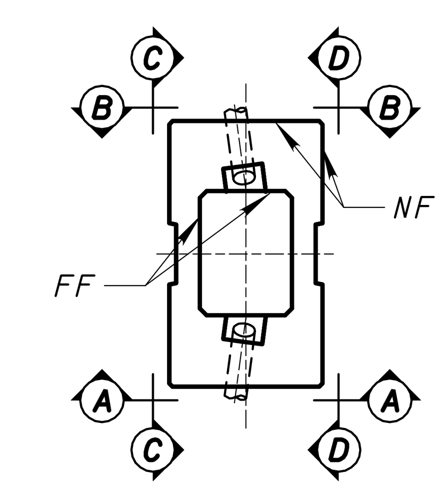
SET "D"
2-TW8463, 2-TW5464, 4-TW5456
TIES & 1-TW5457 TIE

SET "E":
2-TW8465, 2-TW5466, 4-TW5456
TIES & 1-TW5457 TIE

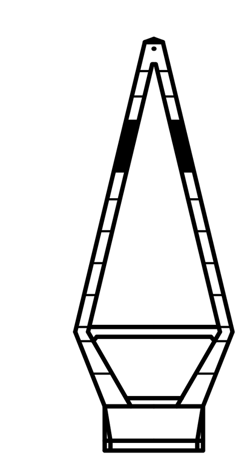
NOTE:
LAYERS OF HORIZONTAL REINFORCING
ARE OMITTED AT LEVELS OF POST-
TENSIONING BARS.

TOWER LEG SEGMENTS 9 & 10
(LEFT LEG SHOWN, RIGHT LEG OPP. HAND)

NOTES
1. FOR SECTION A-A & B-B, SEE SHEET 83 / 243
2. FOR REINFORCING STEEL LIST, SEE SHEETS 207 / 243 & 208 / 243



KEY PLAN



KEY ELEVATION

NOTE
BAR MARKS SHOWN APPLY TO THE WEST
VIRGINIA TOWER.
BAR MARKS FOR THE OHIO TOWER ARE
THE SAME, EXCEPT THAT THE BAR MARK
PREFIX WILL BE "TH" RATHER THAN "TW".

J:\Project\O\ODOT\4944862 POM-MAS\25862-18\piers\twrhd2.dgn 1/13/2011 8:02:00 AM

NUMBER	REVISION	DATE	BY
1	AS-BUILT	8/10	LNG

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

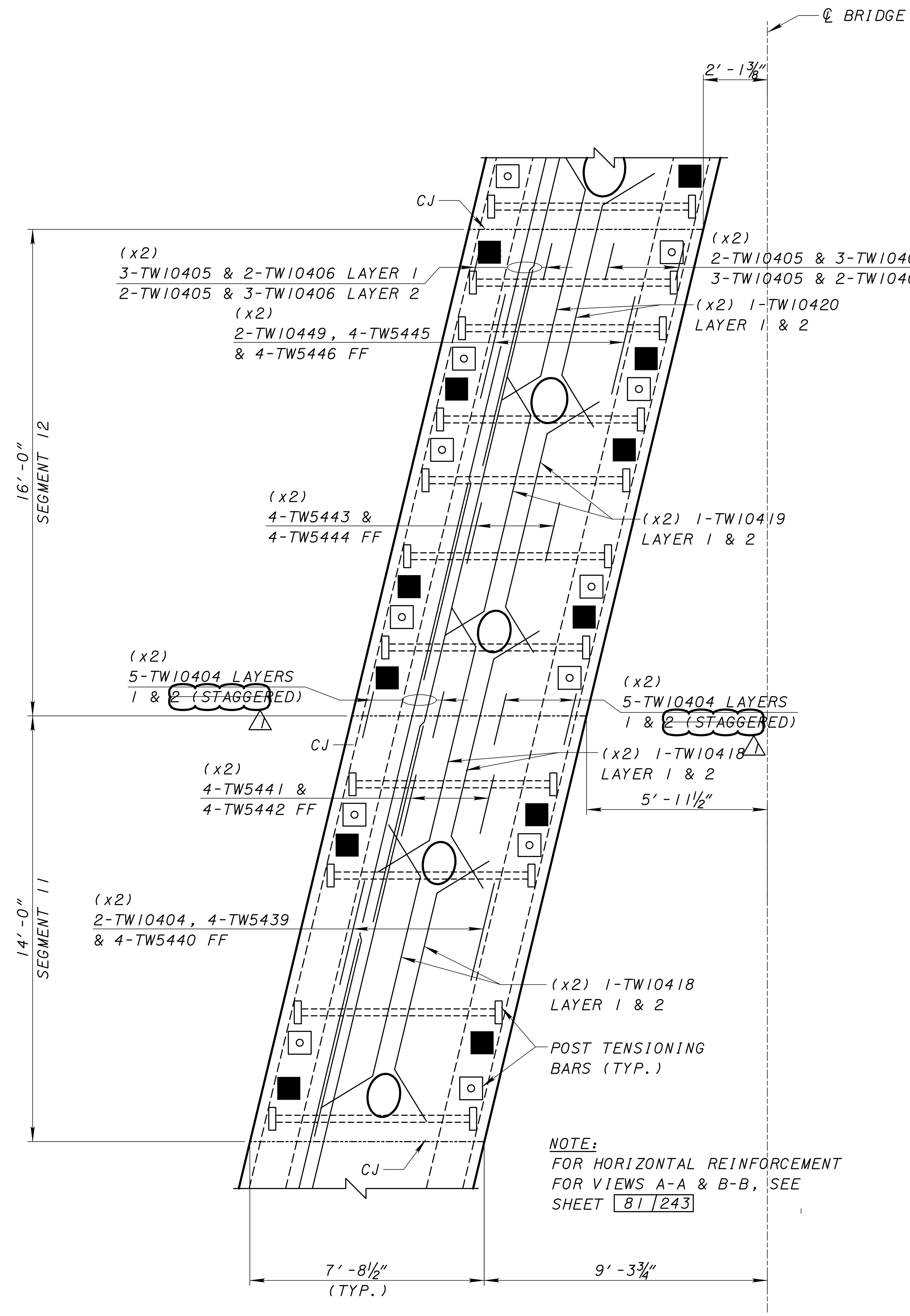
DESIGNED MJZ | CHECKED CEJ | DRAWN GJW | REVISED | REVIEWED JRC | DATE 5-02 | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

TOWER REINFORCEMENT - TOWER HEAD (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

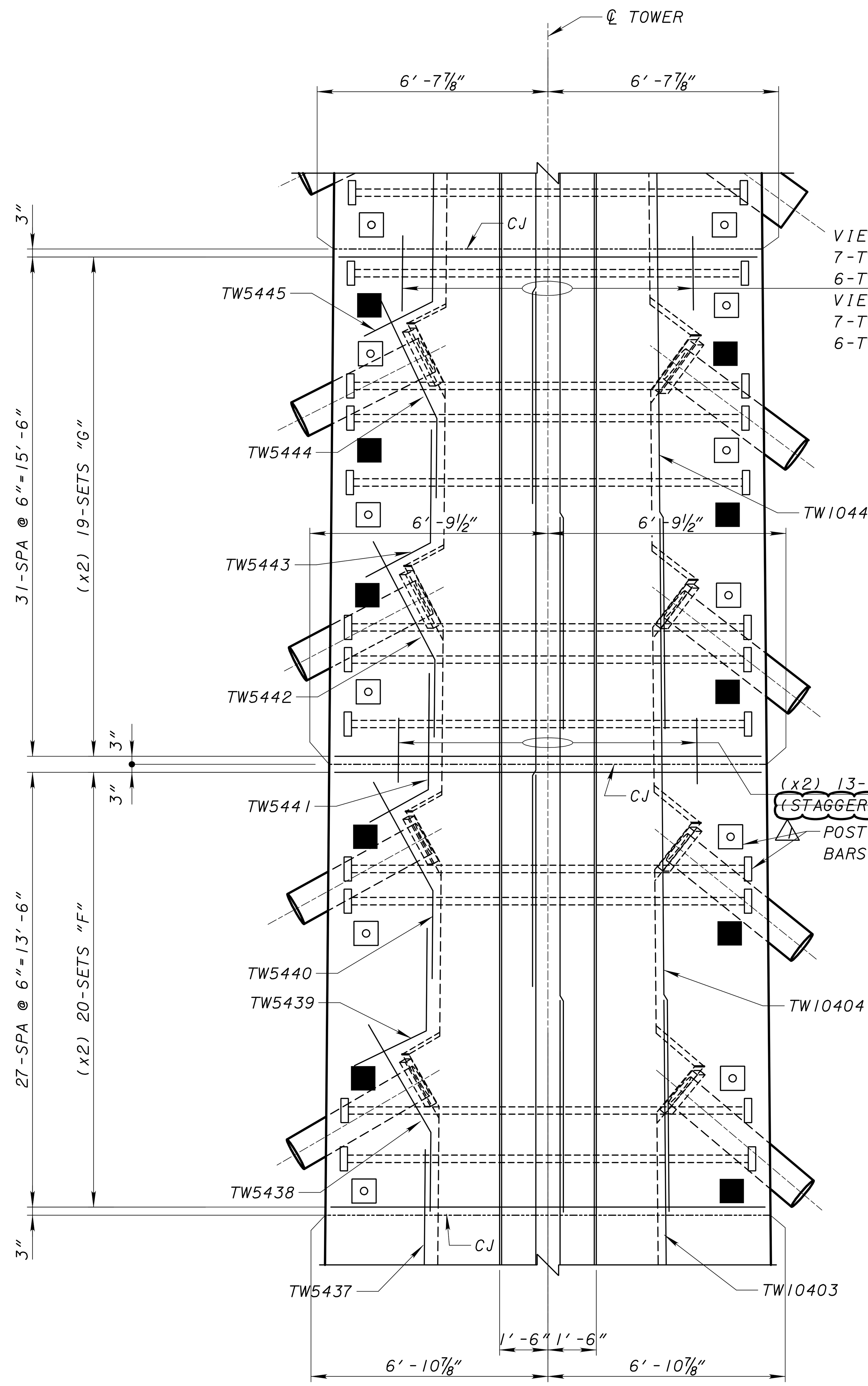
75 / 243

405 / 582



NOTE:
FOR HORIZONTAL REINFORCEMENT
FOR VIEWS A-A & B-B, SEE
SHEET 81/243

VIEW A-A
(VIEW B-B OPP. HAND)



VIEW C-C:
7-TW10405 & 6-TW10406 LAYER 1
6-TW10405 & 7-TW10406 LAYER 2
VIEW D-D:
7-TW10407 & 6-TW10408 LAYER 1
6-TW10407 & 7-TW10408 LAYER 2

SET "F"
2-TW8467, 2-TW5468, 4-TW5456
TIES & 1-TW5457 TIE

SET "G"
2-TW8469, 2-TW5470, 4-TW5456
TIES & 1-TW5457 TIE

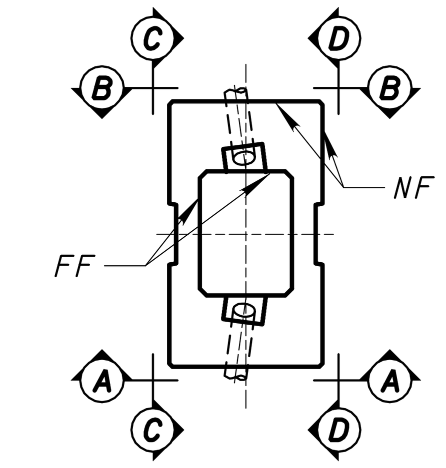
NOTE:
LAYERS OF HORIZONTAL REINFORCING
ARE OMITTED AT LEVELS OF POST-
TENSIONING BARS.

VIEW C-C
(VIEW D-D OPP. HAND)

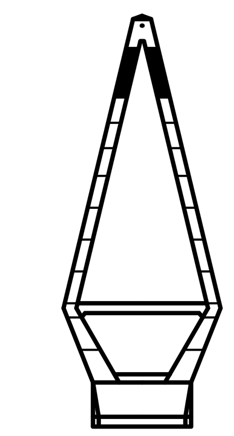
TOWER LEG SEGMENTS 11 & 12
(LEFT LEG SHOWN, RIGHT LEG OPP. HAND)

NOTE
BAR MARKS SHOWN APPLY TO THE WEST
VIRGINIA TOWER.
BAR MARKS FOR THE OHIO TOWER ARE
THE SAME, EXCEPT THAT THE BAR MARK
PREFIX WILL BE "TH" RATHER THAN "TW".

NOTES
1. FOR REINFORCING STEEL LIST, SEE
SHEETS 207/243 & 208/243



KEY PLAN



KEY ELEVATION

NUMBER	REVISION	DATE	BY
1	AS-BUILT	8/10	LNG

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED MJZ | DRAWN GJW | REVIEWED JRC | DATE 5-02
CHECKED CEJ | REVISED | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

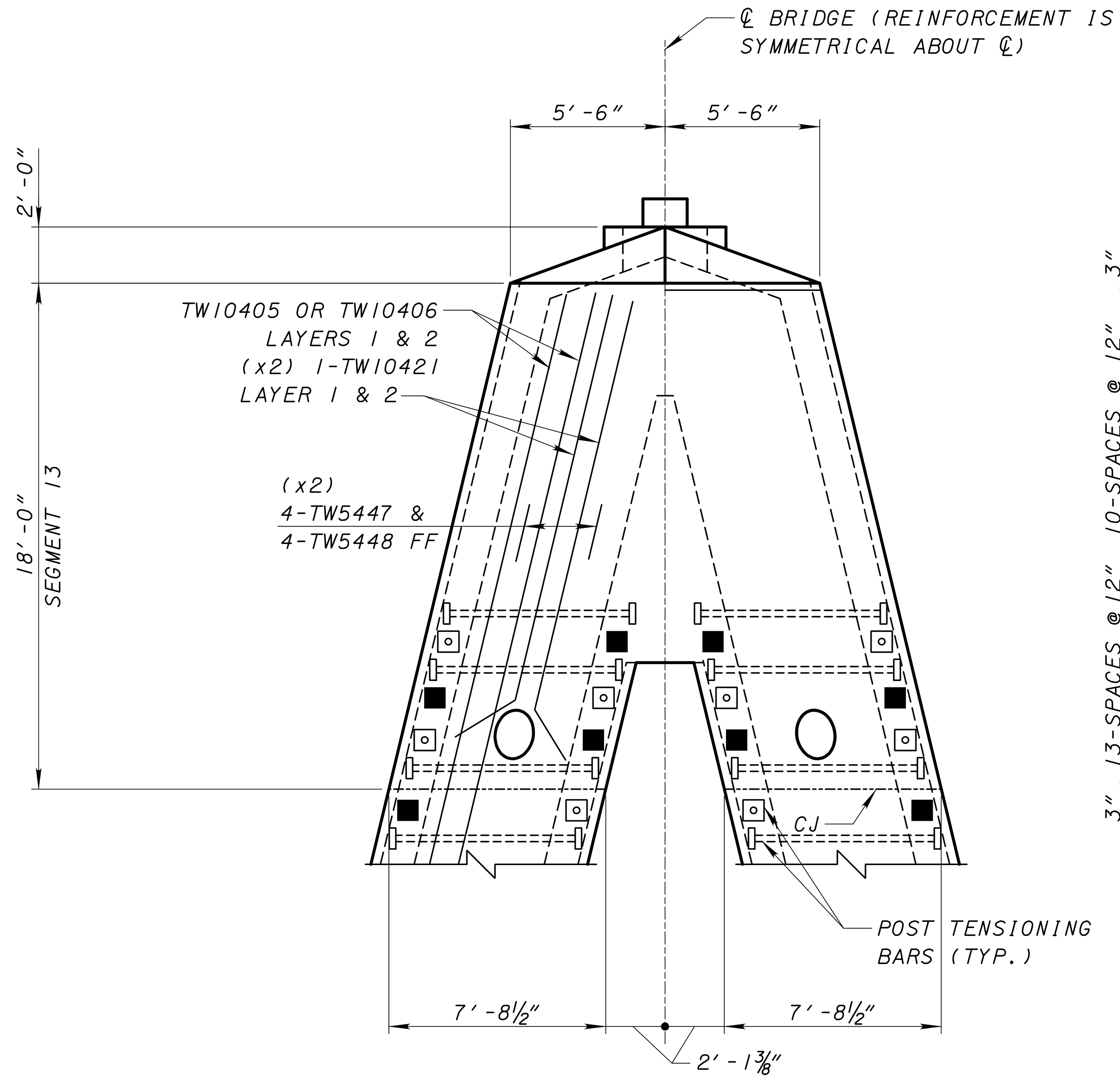
TOWER REINFORCEMENT - TOWER HEAD (3)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

76/243

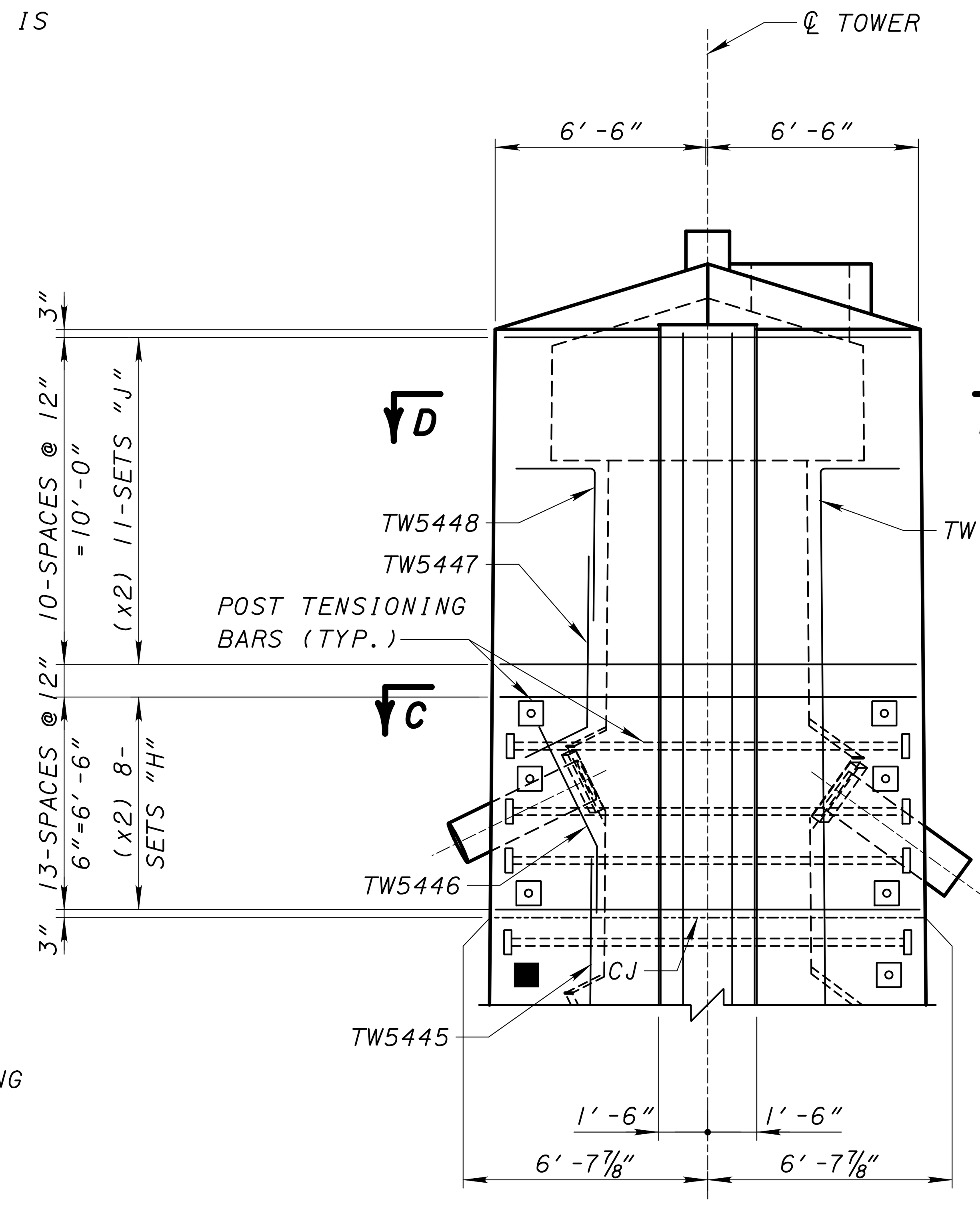
406/582

J:\Project\O\ODOT\4944862 POM-MAS\25862-18\piers\twrhd3.dgn 1/13/2011 8:02:07 AM



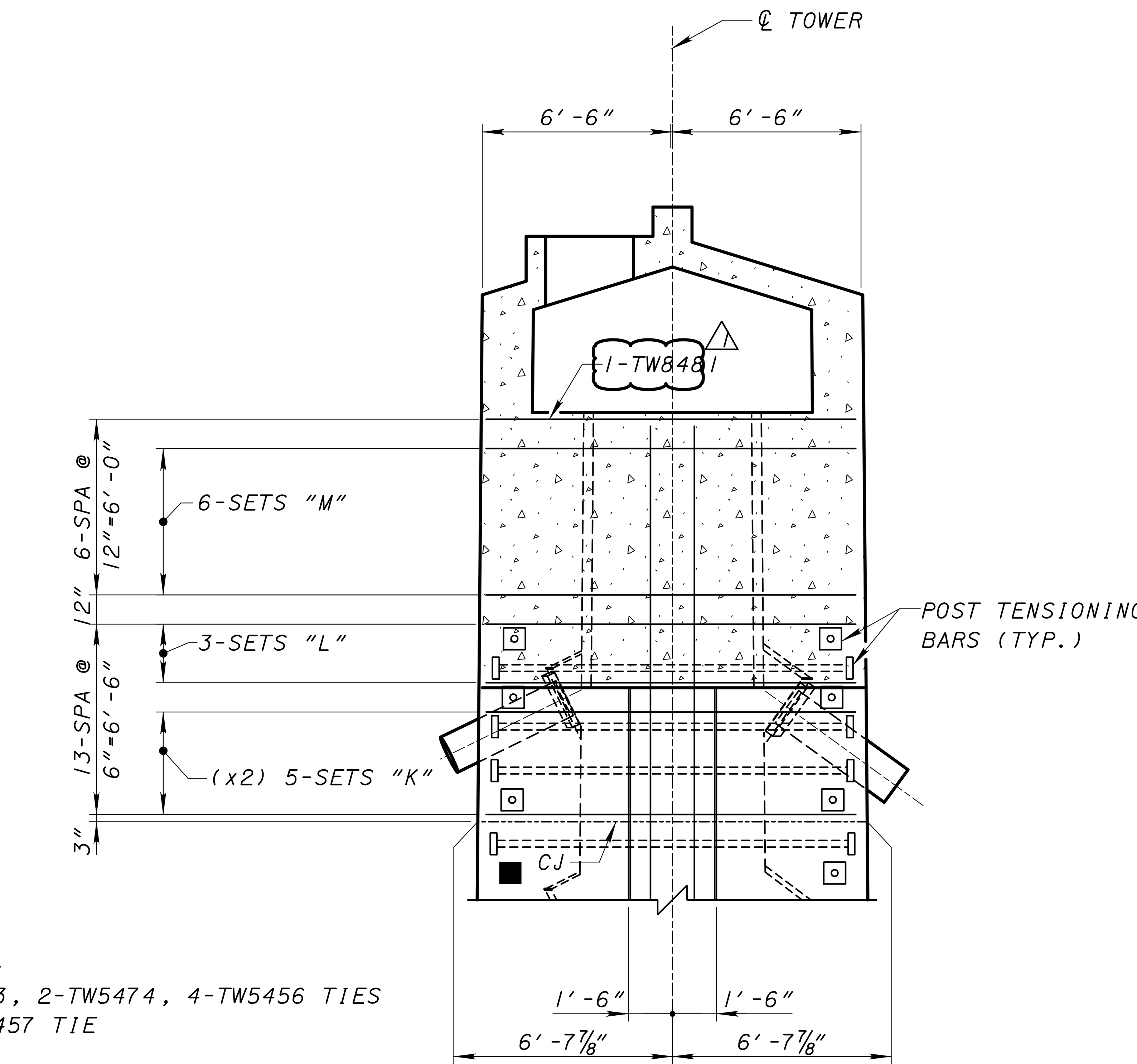
NOTE:
FOR HORIZONTAL REINFORCEMENT FOR VIEWS A-A & B-B, SEE SHEET 82/243

VIEW A-A
(VIEW B-B OPP. HAND)



VIEW C-C
(VIEW D-D OPP. HAND)

TOWER LEG SEGMENT 13



SET "H":
2-TW8473, 2-TW5474, 4-TW5456 TIES & 1-TW5457 TIE

SET "J"
1-TW5475, 2-TW5476, 4-TW5456 TIES & 1-TW5457 TIE

SET "K"
2-TW8473, 2-TW5474, 4-TW5456 TIES & 1-TW5457 TIE

SET "L"
4-TW8477 & 5-TW5479 TIES

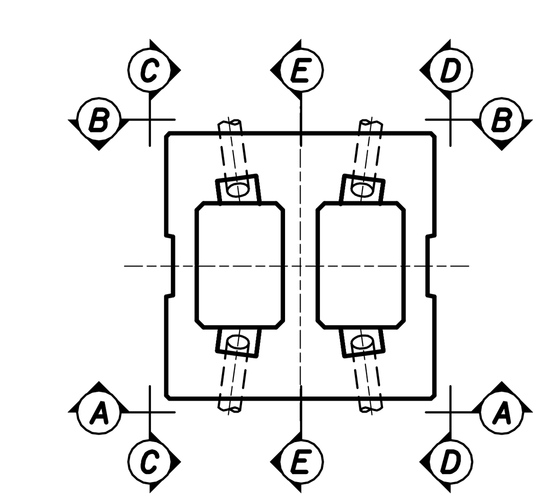
SET "M"
1-TW5478 & 5-TW5480 TIES

NOTE:
LAYERS OF HORIZONTAL REINFORCING ARE OMITTED AT LEVELS OF POST-TENSIONING BARS.

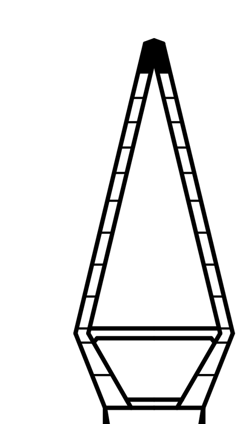
VIEW E-E

NOTES
1. FOR SECTION C-C & D-D, SEE SHEET 84/243
2. FOR REINFORCING STEEL LIST, SEE SHEETS 207/243 & 208/243

NOTE
BAR MARKS SHOWN APPLY TO THE WEST VIRGINIA TOWER.
BAR MARKS FOR THE OHIO TOWER ARE THE SAME, EXCEPT THAT THE BAR MARK PREFIX WILL BE "TH" RATHER THAN "TW".



KEY PLAN



KEY ELEVATION

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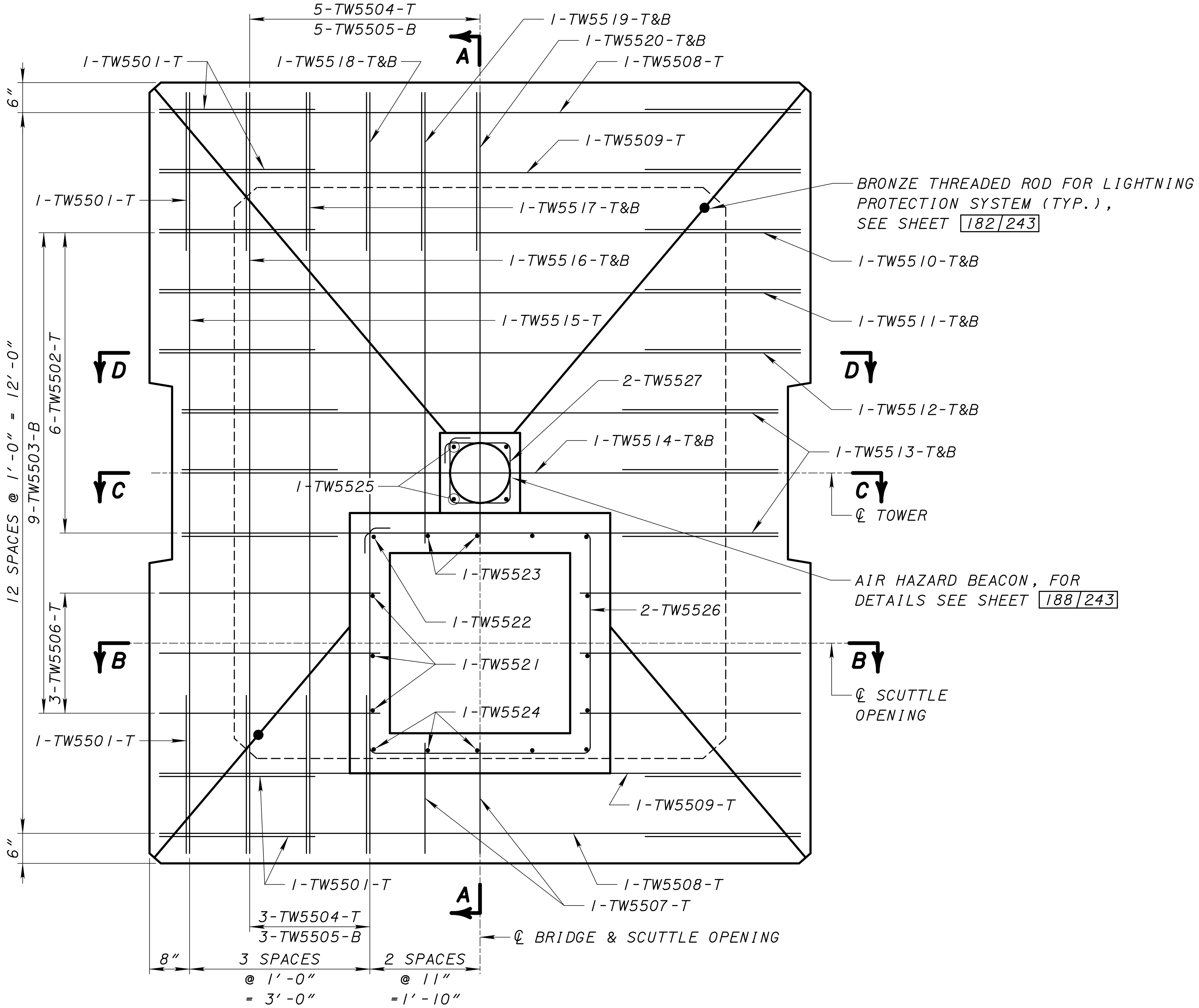
NUMBER	REVISION	DATE	BY
1	AS-BUILT	8/10	LNG

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED MJZ | DRAWN GJW | REVIEWED JRC | DATE 5-02
CHECKED CEJ | REVISED | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

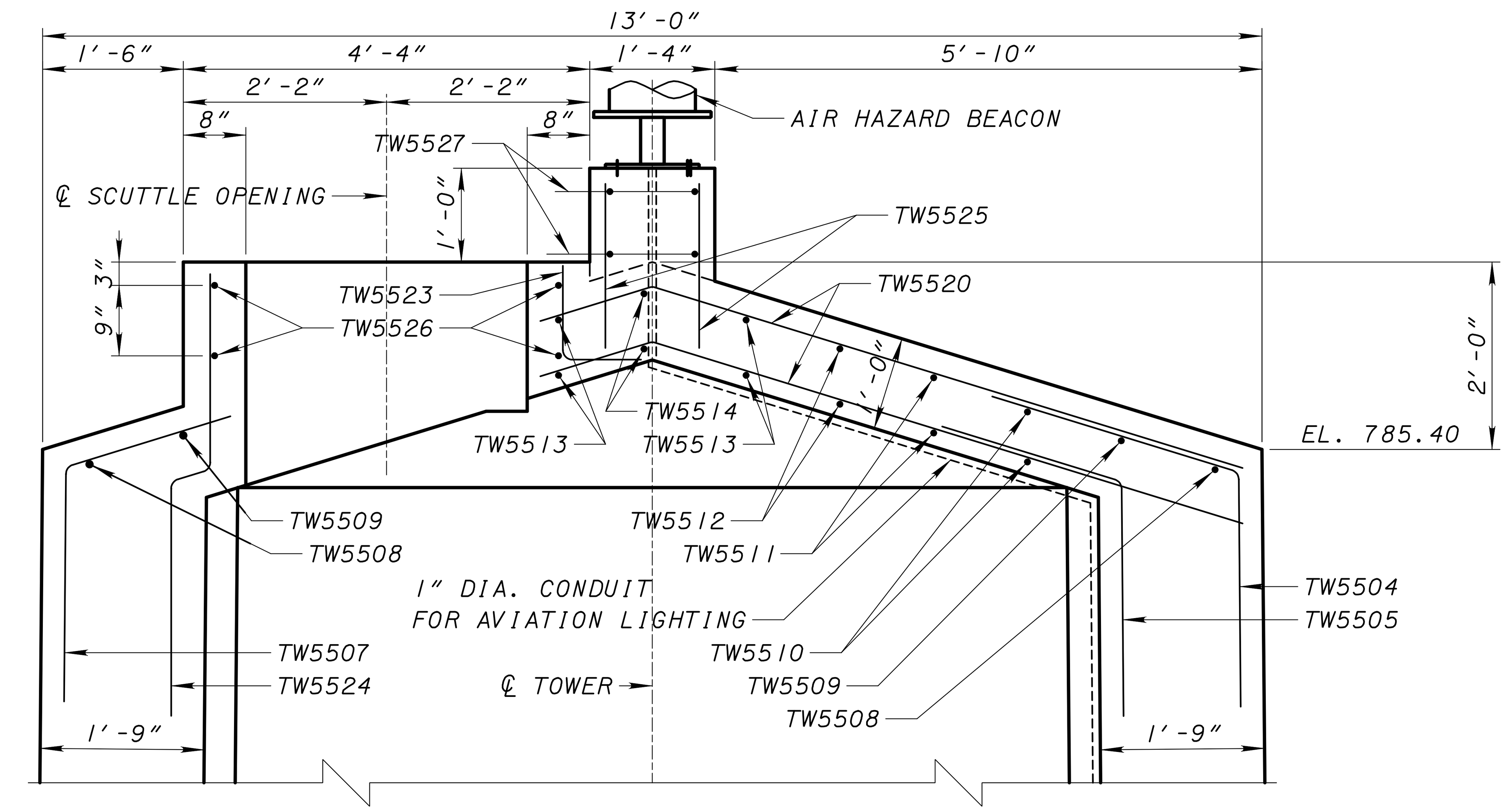
TOWER REINFORCEMENT - TOWER HEAD (4)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

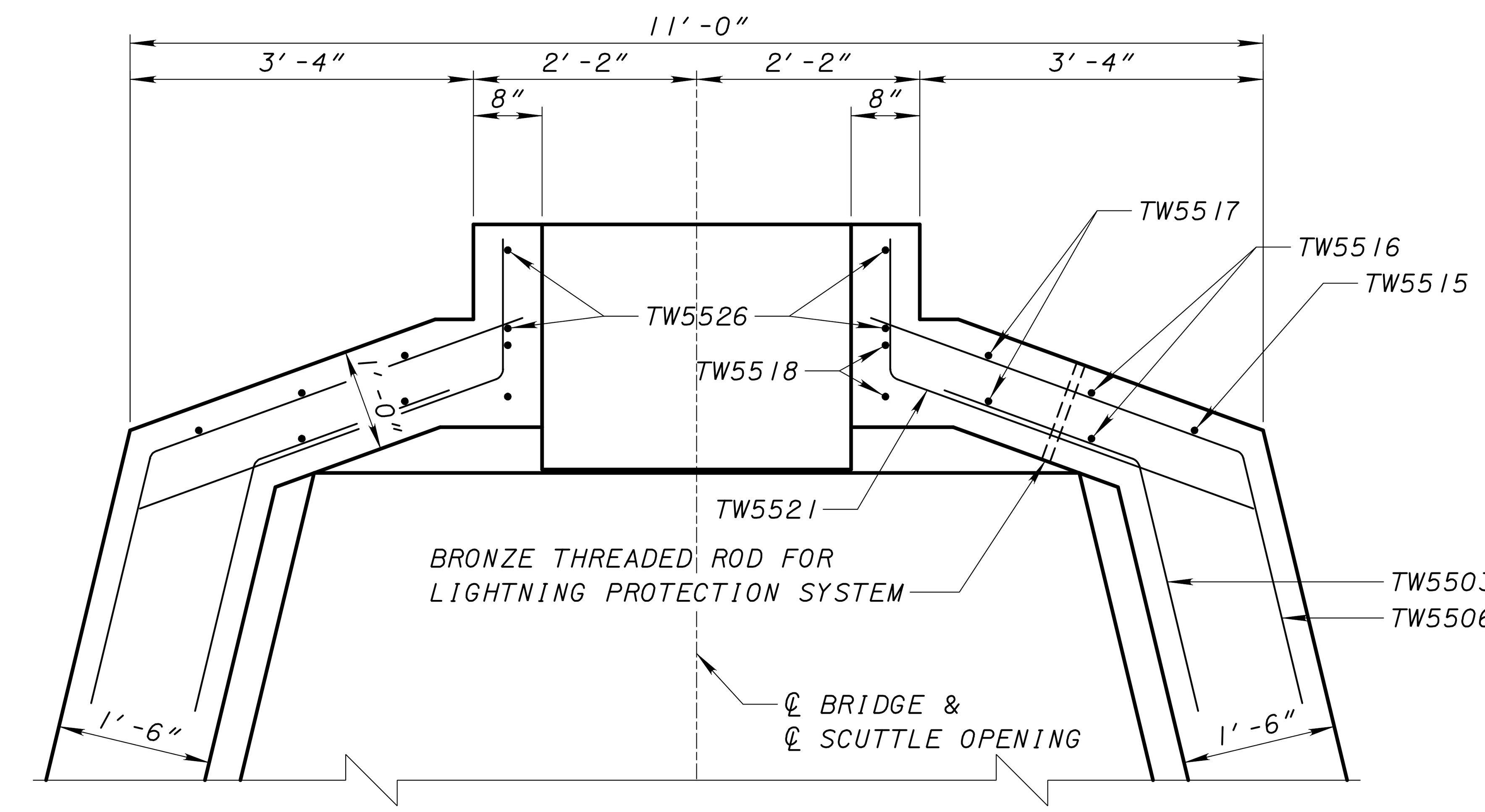


TOWER TOP REINFORCING PLAN

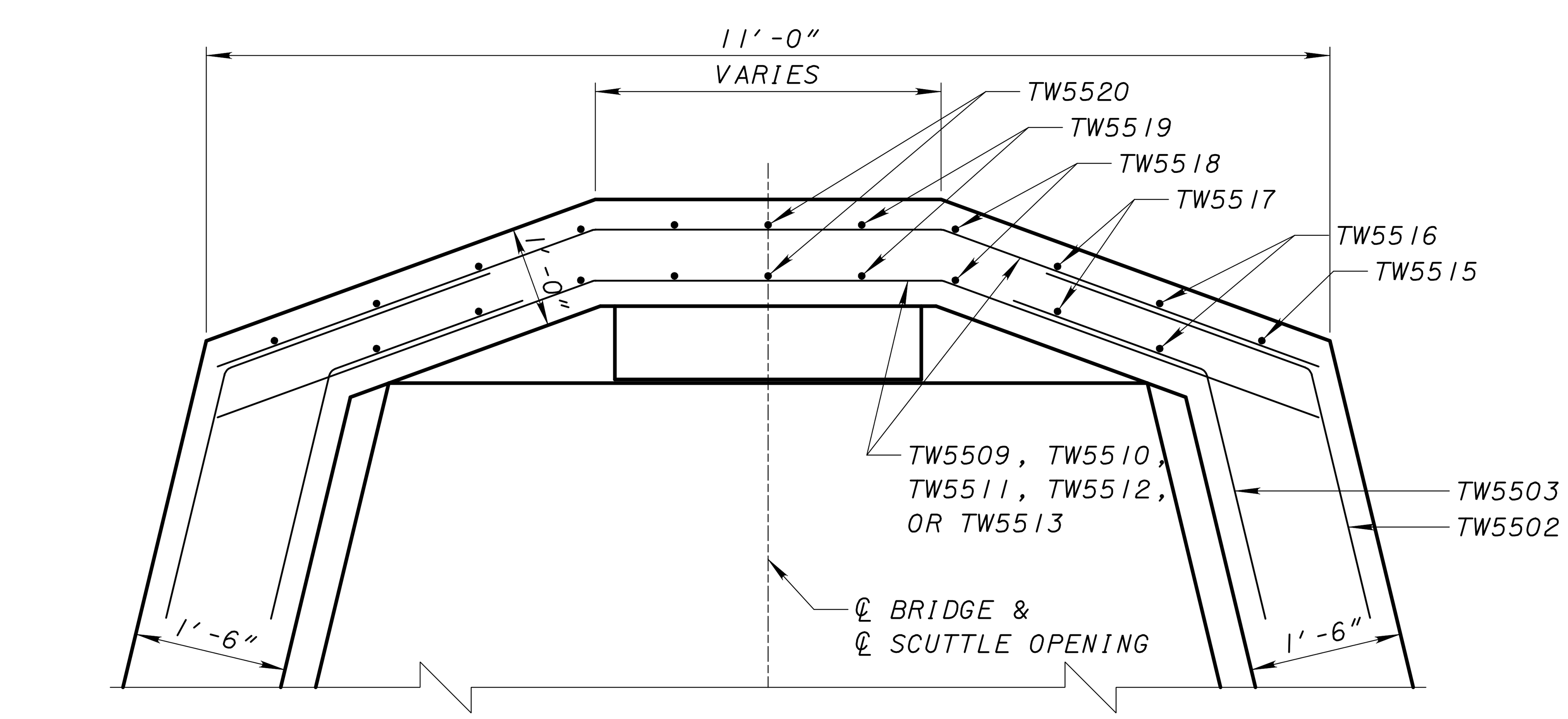
(REINFORCING STEEL IS SYMMETRICAL ABOUT ℄ BRIDGE)



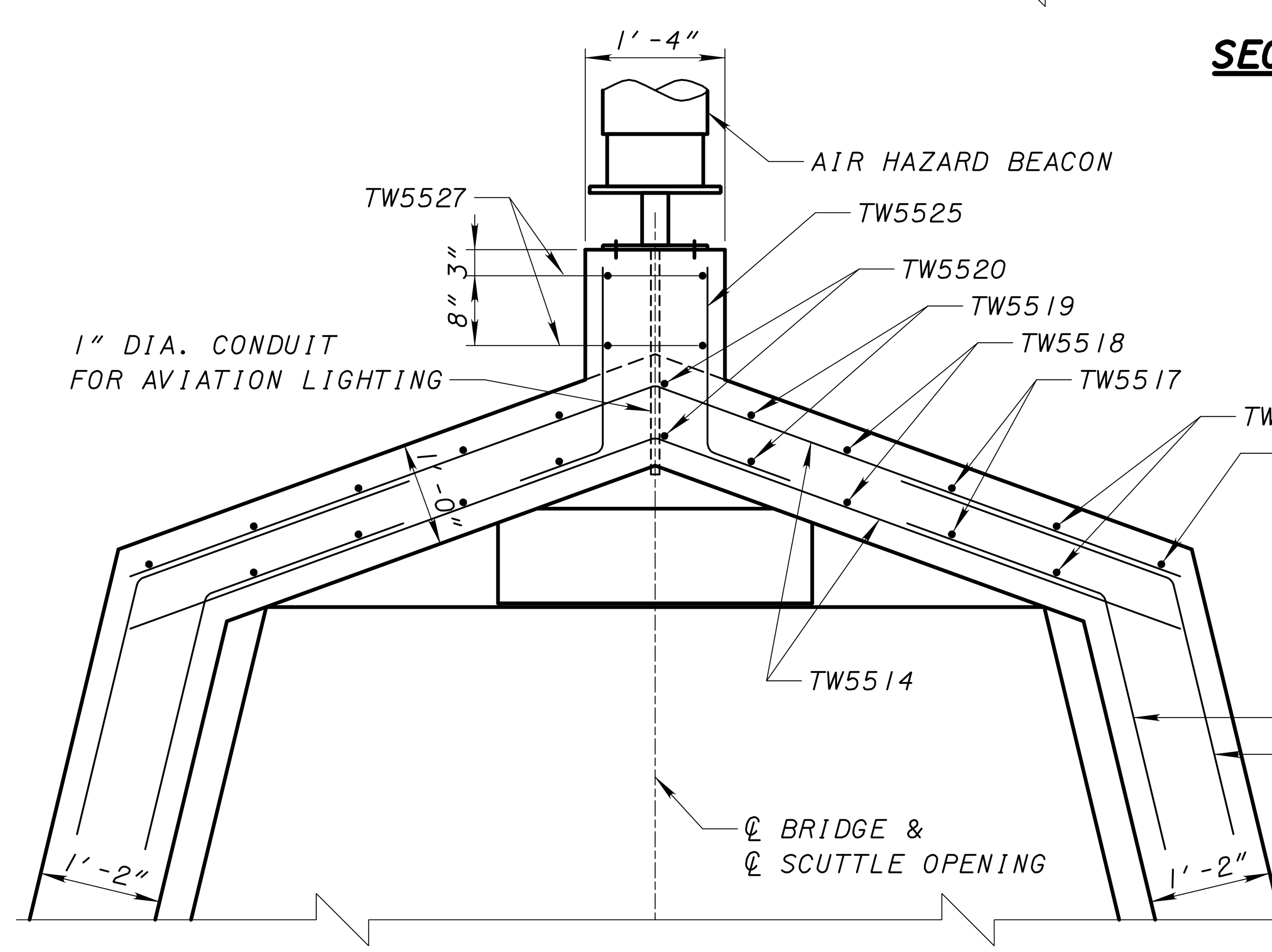
SECTION A-A



SECTION B-B



SECTION D-D



SECTION C-C

NOTE

BAR MARKS SHOWN APPLY TO THE WEST VIRGINIA TOWER.

BAR MARKS FOR THE OHIO TOWER ARE THE SAME, EXCEPT THAT THE BAR MARK PREFIX WILL BE "TH" RATHER THAN "TW".

NOTES

1. FOR SCUTTLE DETAILS, SEE SHEET 179|243
2. FOR DETAILS OF AVIATION LIGHTING, SEE SHEET 188|243
3. FOR REINFORCING STEEL LIST, SEE SHEET 208|243

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
CEJ	CEJ	JRC	5-02
CHECKED MJZ	REVISED	STRUCTURE FILE NUMBER 5300916 OH 1038S WV	

TOWER REINFORCEMENT - TOWER HEAD (5)

BRIDGE NO. MEG-33-1570

POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

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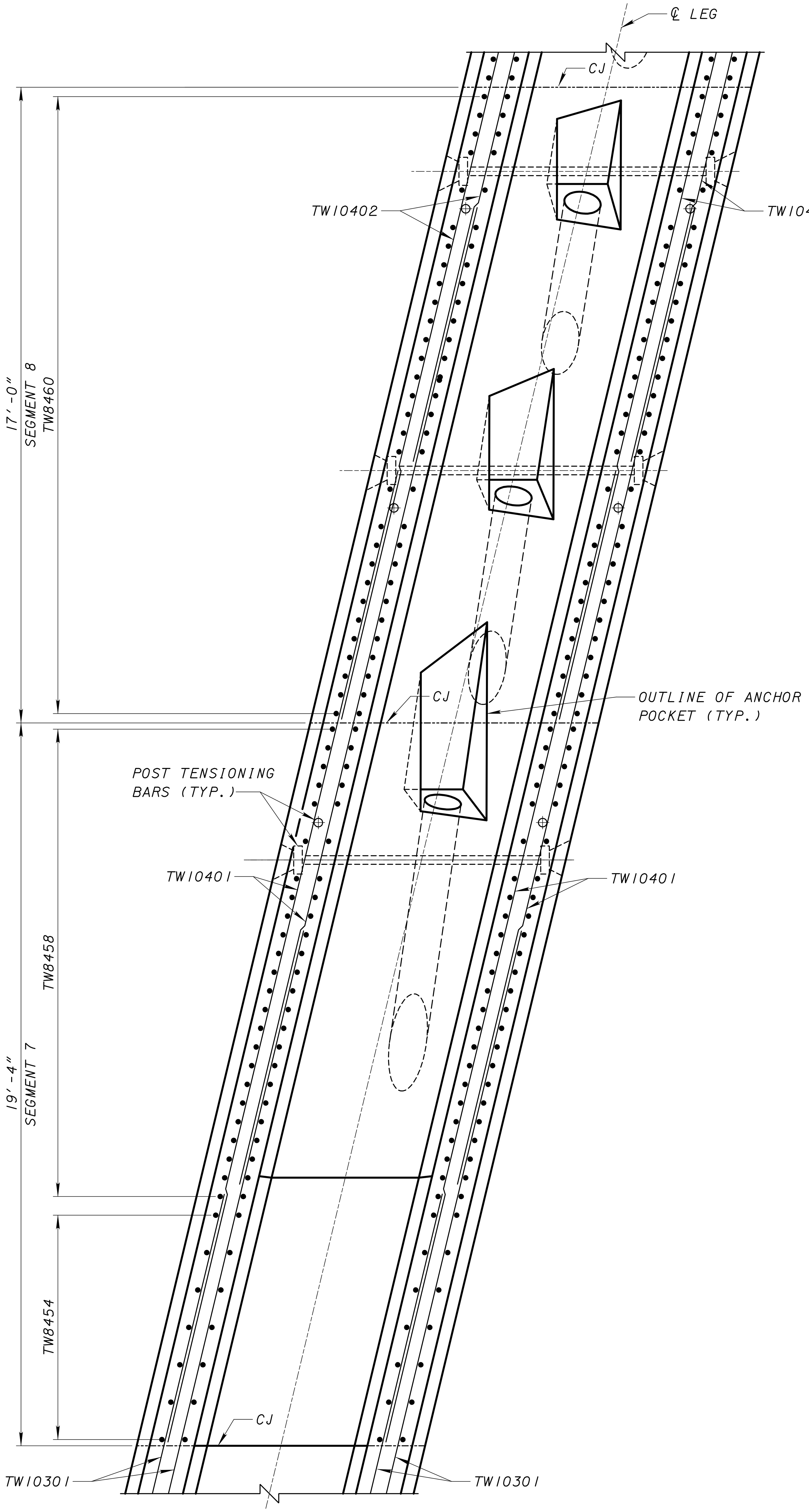
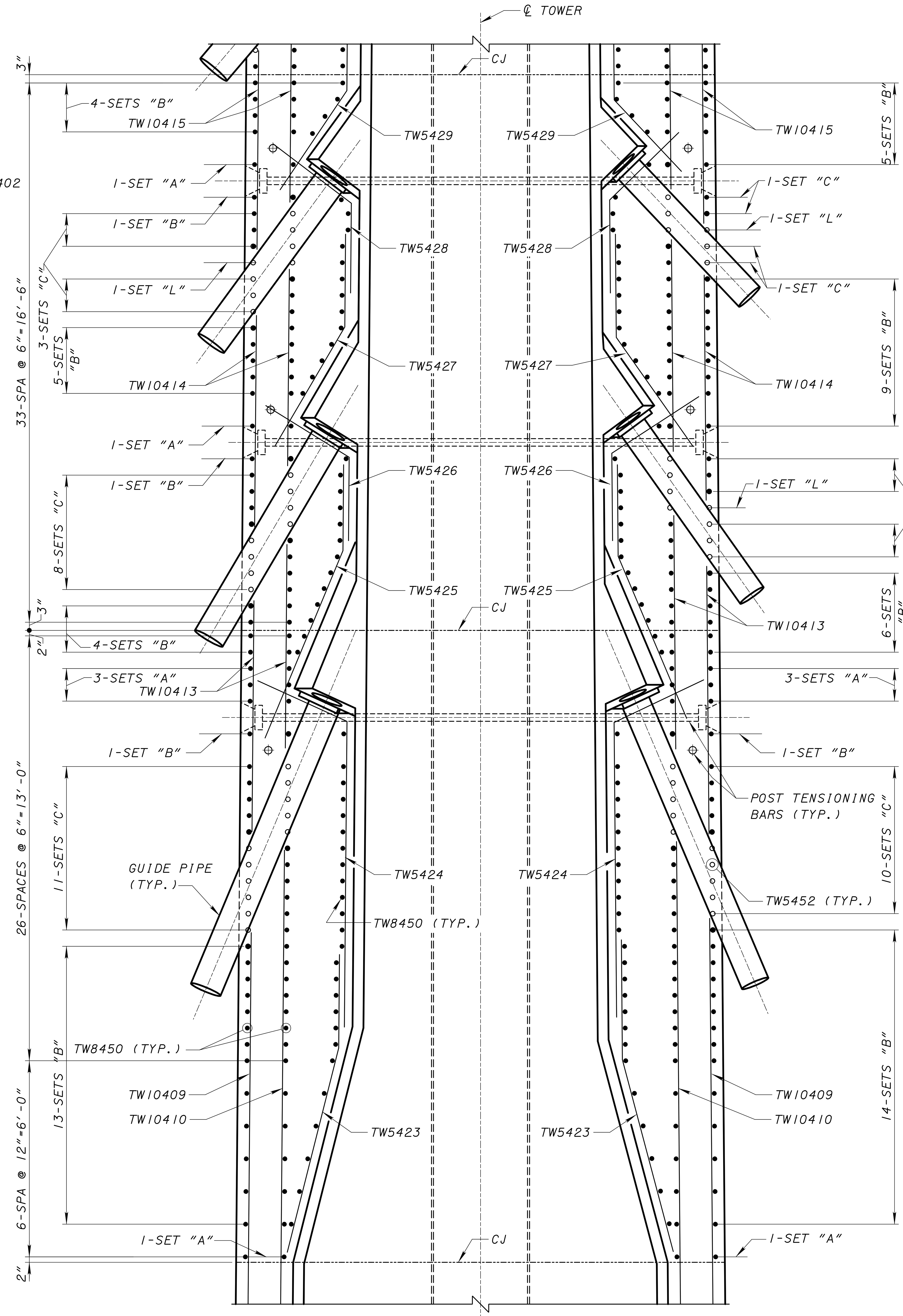


SECTION A-A

TOWER LEG SEGMENTS 7 & 8

(LEFT LEG SHOWN, RIGHT LEG OPP. HAND)



SECTION B-B

NOTE
BAR MARKS SHOWN APPLY TO THE WEST VIRGINIA TOWER.
BAR MARKS FOR THE OHIO TOWER ARE THE SAME, EXCEPT THAT THE BAR MARK PREFIX WILL BE "TH" RATHER THAN "TW".

SET "A"
2-TW8450 & 4-TW5451 TIES

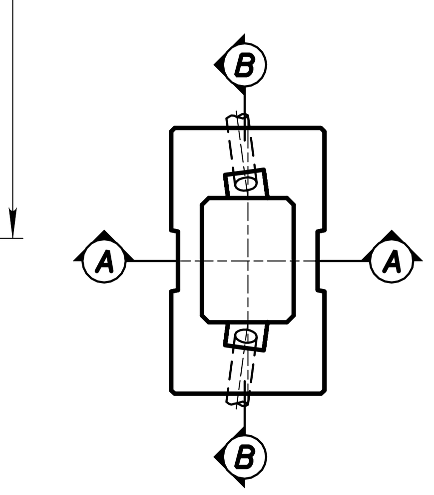
SET "B"
3-TW8450 & 4-TW5451 TIES

SET "C"
2-TW8450, 1-TW5452,
1-TW5453 & 2-TW5451 TIES

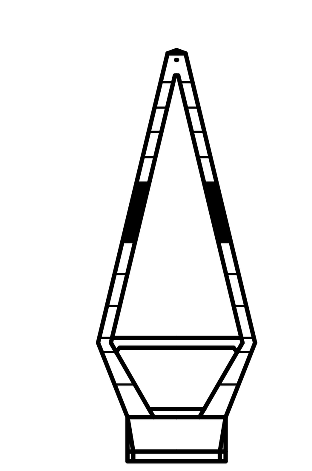
SET "L"
1-TW8450, 1-TW5452,
1-TW5453 & 2-TW5451 TIES

NOTE:
LAYERS OF HORIZONTAL REINFORCING ARE OMITTED AT LEVELS OF POST-TENSIONING BARS.

NOTES
1. FOR REINFORCING STEEL LIST, SEE SHEET 207/243 & 208/243



KEY PLAN



KEY ELEVATION

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
CEJ	GJW	JRC	5-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
MJZ		530916 OH 10385 WV	

TOWER REINFORCEMENT - TOWER HEAD (6)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

79/243

409/582

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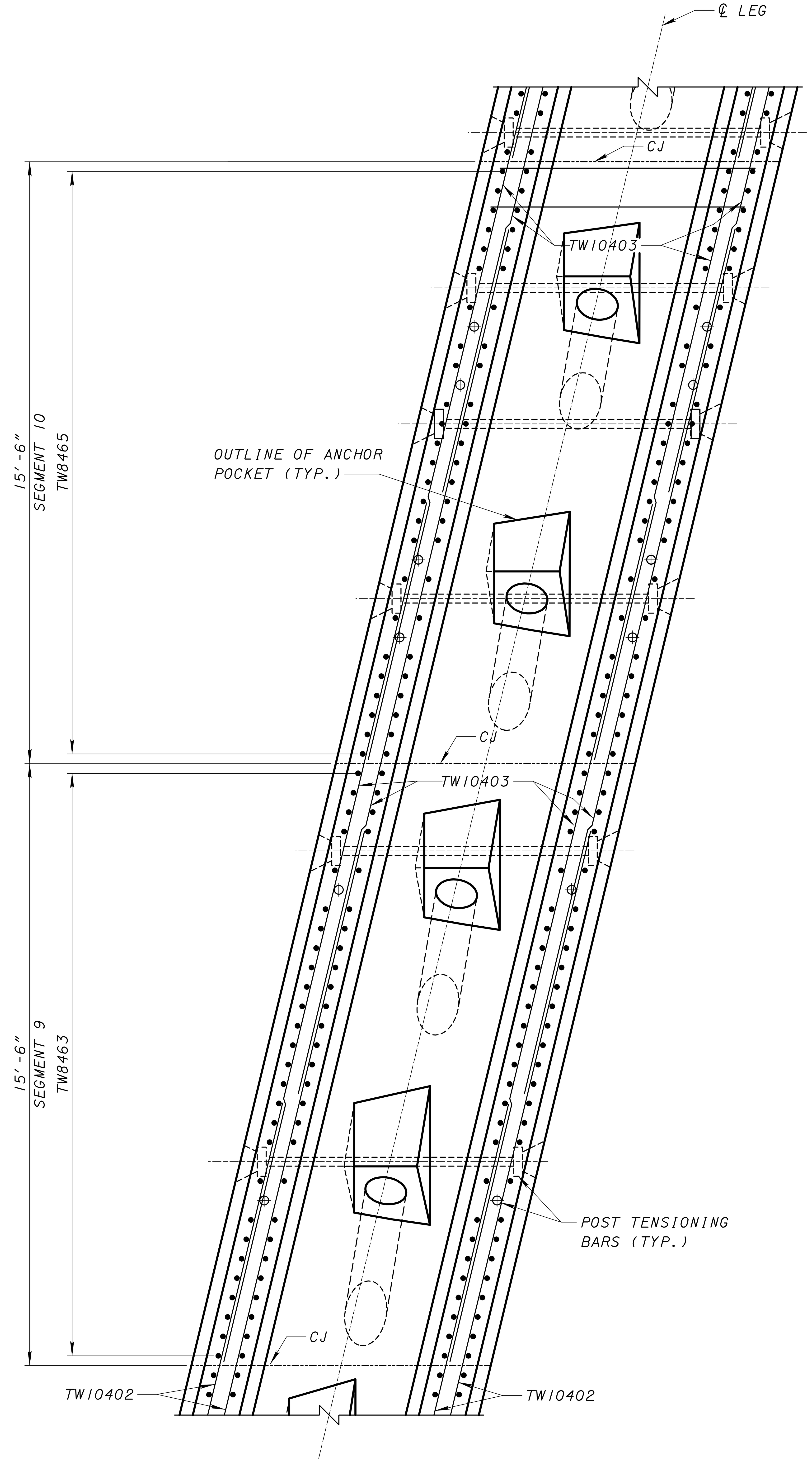
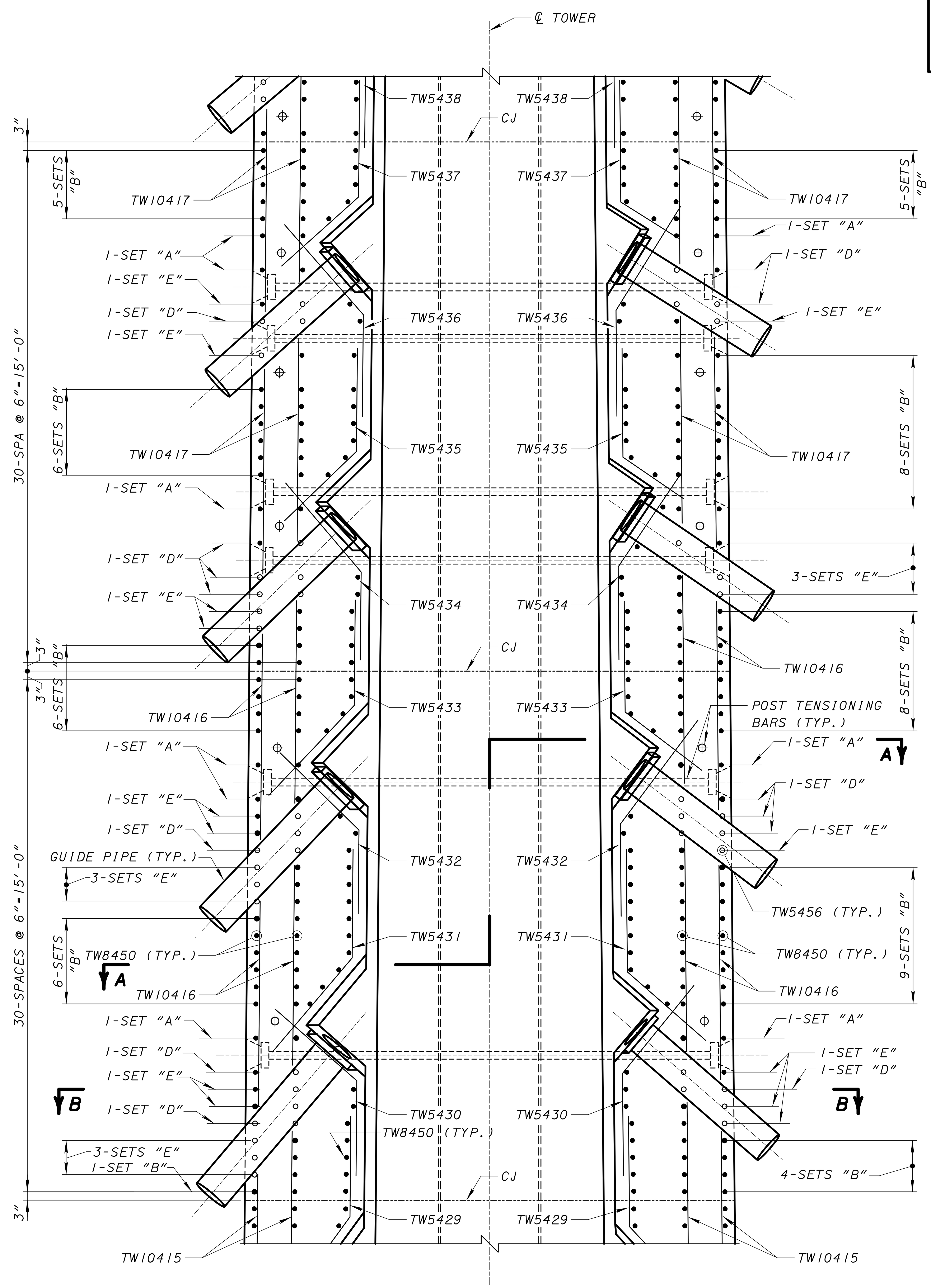
NOTE
BAR MARKS SHOWN APPLY TO THE WEST VIRGINIA TOWER.
BAR MARKS FOR THE OHIO TOWER ARE THE SAME, EXCEPT THAT THE BAR MARK PREFIX WILL BE "TH" RATHER THAN "TW".



SECTION A-A



SECTION B-B

TOWER LEG SEGMENTS 9 & 10
(LEFT LEG SHOWN, RIGHT LEG OPP. HAND)

SET "A"
2-TW8450 & 4-TW5451 TIES

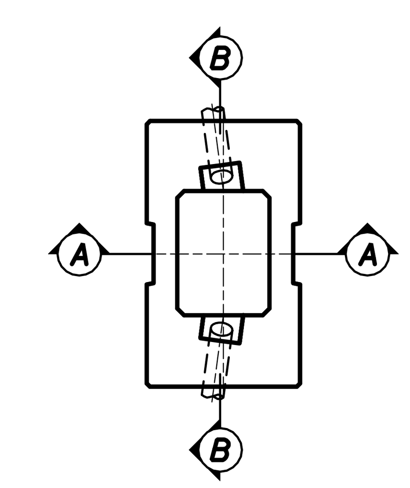
SET "B"
3-TW8450 & 4-TW5451 TIES

SET "D"
1-TW8450, 2-TW5462
& 2-TW5451 TIES

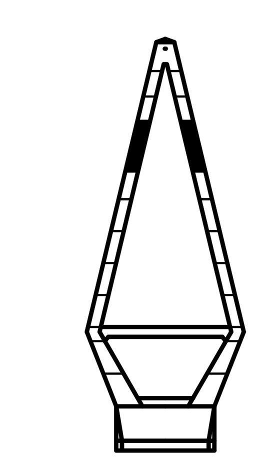
SET "E"
2-TW8450, 2-TW5462
& 2-TW5451 TIES

NOTE:
LAYERS OF HORIZONTAL REINFORCING ARE OMITTED AT LEVELS OF POST-TENSIONING BARS.

NOTES
1. FOR REINFORCING STEEL LIST, SEE SHEET 207/243 & 208/243



KEY PLAN



KEY ELEVATION

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
CEJ	GJW	JRC	5-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
MJZ		5300916 OH 10385 WV	

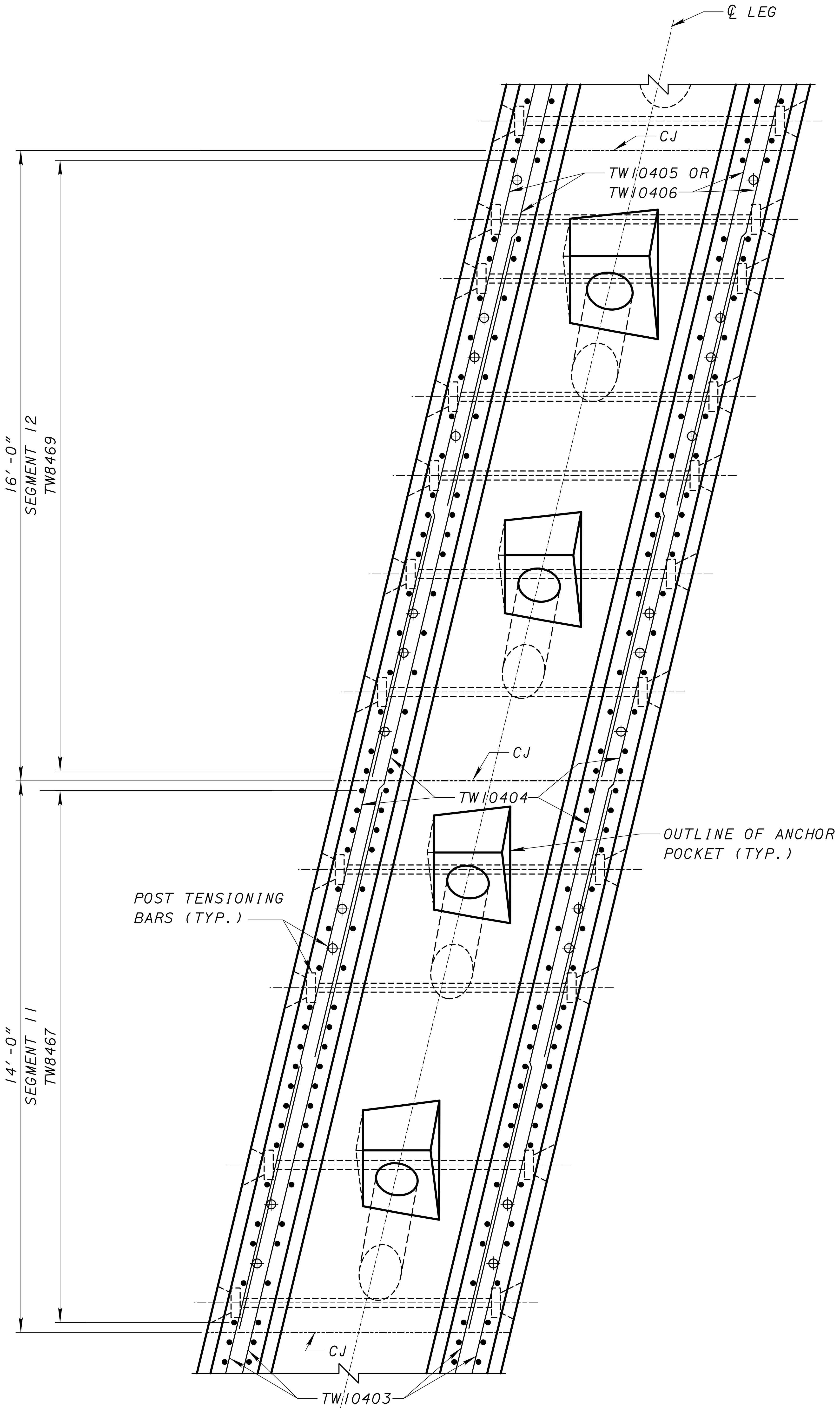
TOWER REINFORCEMENT - TOWER HEAD (7)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

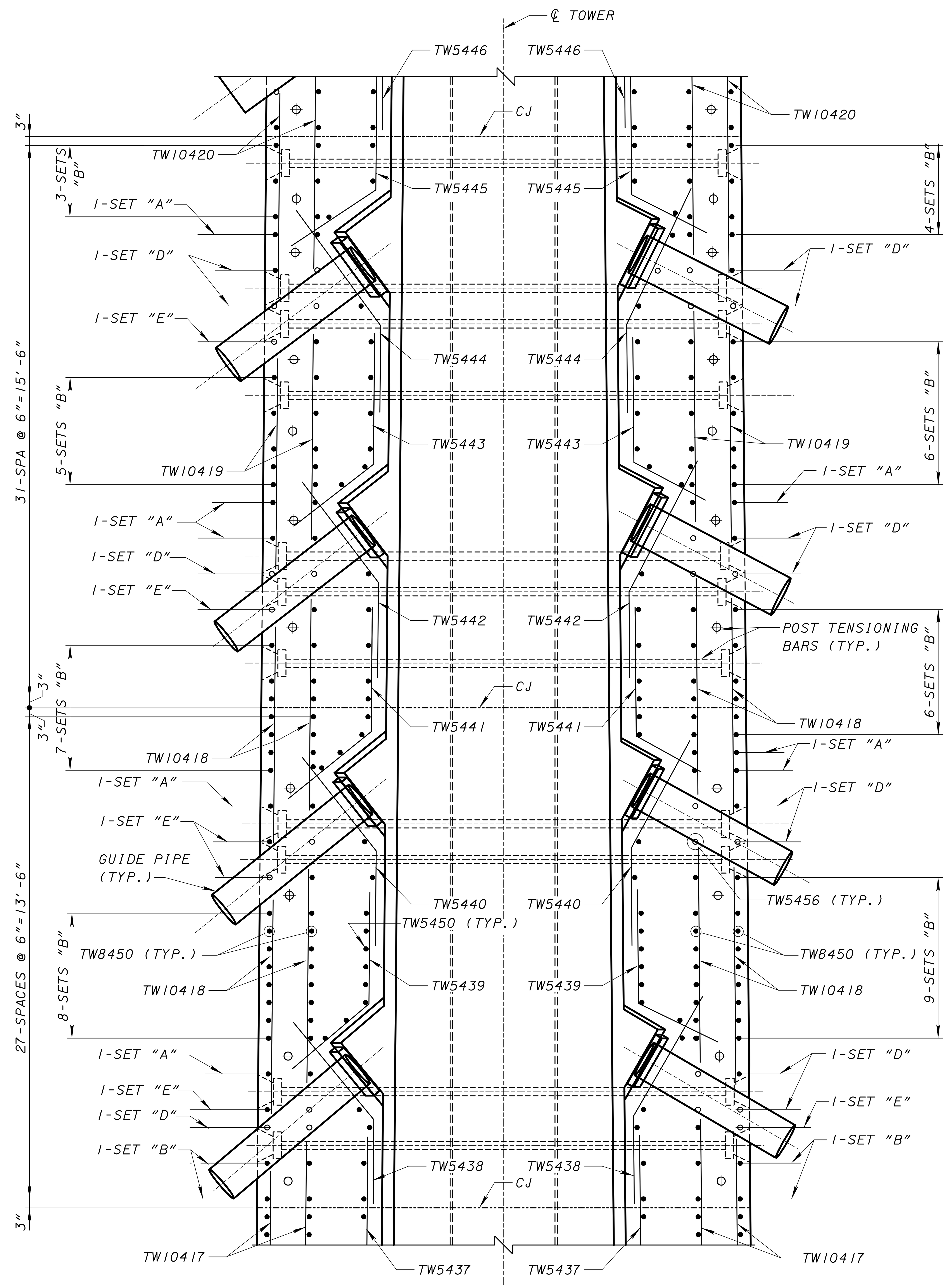
80/243

410/582

J:\Project\0\0DOT\4944862 POM-MAS\25862-18\piers\twrhd8a.dgn 1/13/2011 8:02:48 AM



SECTION A-A



SECTION B-B

TOWER LEG SEGMENTS 11 & 12
(LEFT LEG SHOWN, RIGHT LEG OPP. HAND)

NOTE
BAR MARKS SHOWN APPLY TO THE WEST VIRGINIA TOWER.
BAR MARKS FOR THE OHIO TOWER ARE THE SAME, EXCEPT THAT THE BAR MARK PREFIX WILL BE "TH" RATHER THAN "TW".

SET "A"
2-TW8450 & 4-TW5451 TIES

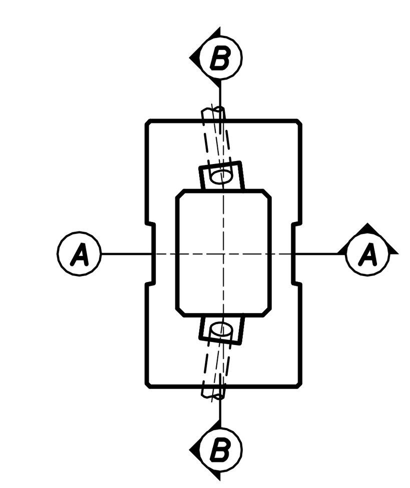
SET "B"
3-TW8450 & 4-TW5451 TIES

SET "D"
1-TW8450, 2-TW5462
& 2-TW5451 TIES

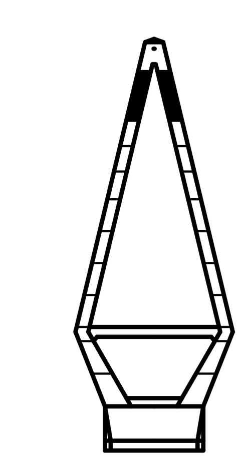
SET "E"
2-TW8450, 2-TW5462
& 2-TW5451 TIES

NOTE:
LAYERS OF HORIZONTAL REINFORCING ARE OMITTED AT LEVELS OF POST-TENSIONING BARS.

NOTES
1. FOR REINFORCING STEEL LIST, SEE SHEET 207/243 & 208/243



KEY PLAN



KEY ELEVATION

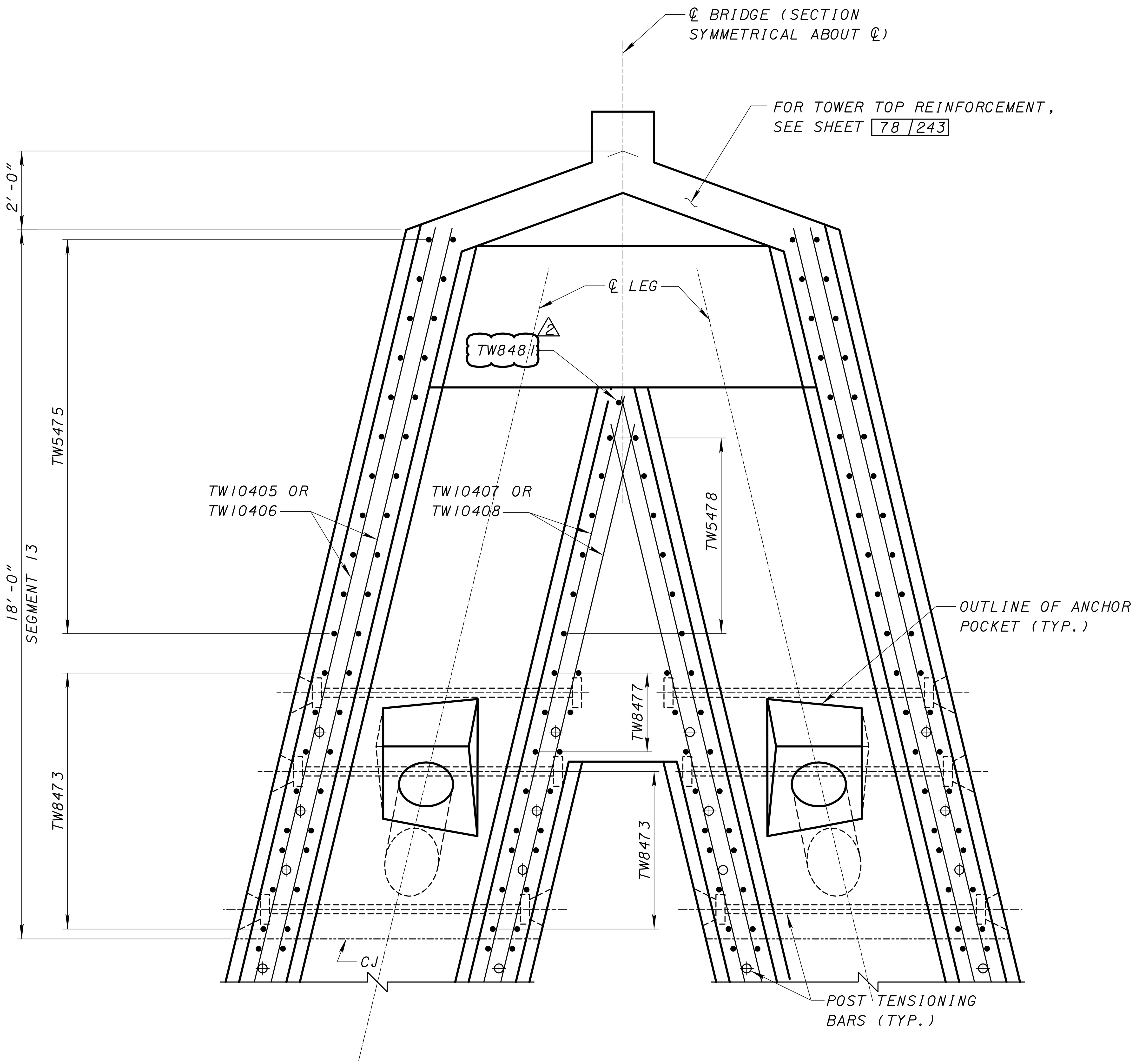
J:\Project\O\ODOT\4944862 POM-MAS\25862-18\piers\twrhd8b.dgn 1/13/2011 8:02:58 AM

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

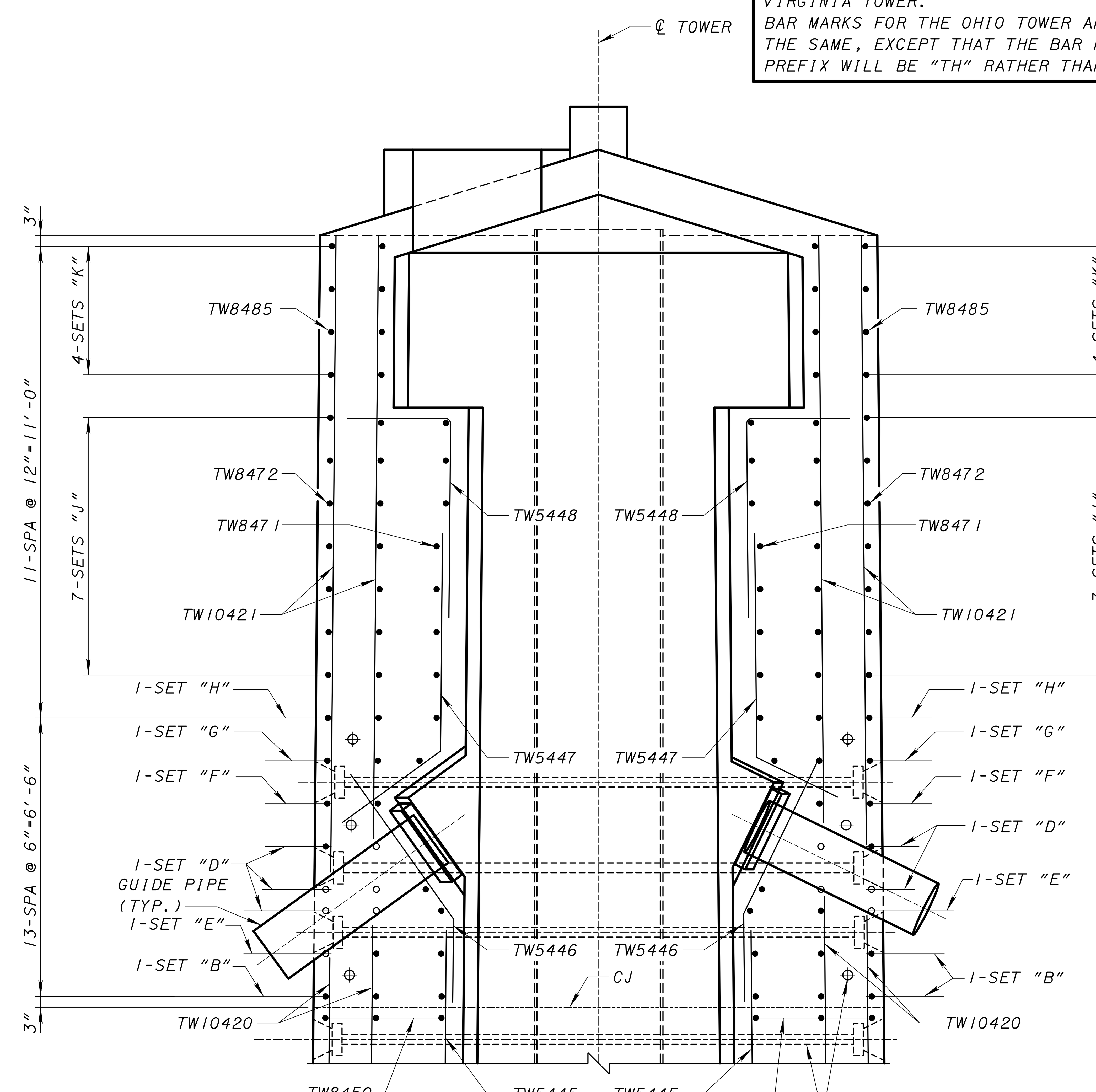
DESIGNED	DRAWN	REVIEWED	DATE
CEJ	GJW	JRC	5-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
MJZ		5300916 OH 10385 WV	

TOWER REINFORCEMENT - TOWER HEAD (8)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70



SECTION A-A



SET "A"
2-TW8450 & 4-TW5451 TIES

SET "B"
3-TW8450 & 4-TW5451 TIES

SET "D"
1-TW8450, 2-TW5462
& 2-TW5451 TIES

SET "E"
2-TW8450, 2-TW5462
& 2-TW5451 TIES

SET "F"
2-TW8482 & 8-TW5451 TIES

SET "G"
3-TW8483 & 8-TW5451 TIES

SET "H"
3-TW8484 & 8-TW5451 TIES

SET "J"
1-TW8471, 1-TW8472 & 8-TW5451 TIES

SET "K"
1-TW8485 & 8-TW5451 TIES

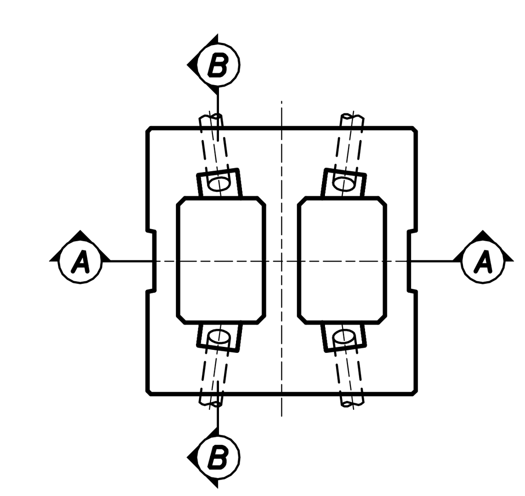
SECTION B-B

TOWER LEG SEGMENT 13

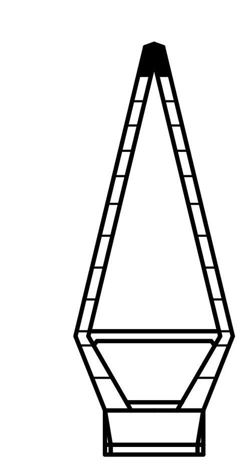
NOTE
BAR MARKS SHOWN APPLY TO THE WEST VIRGINIA TOWER.
BAR MARKS FOR THE OHIO TOWER ARE THE SAME, EXCEPT THAT THE BAR MARK PREFIX WILL BE "TH" RATHER THAN "TW".

NOTES

1. FOR REINFORCING STEEL LIST, SEE SHEET 207/243 & 208/243
2. LAYERS OF HORIZONTAL REINFORCING ARE OMITTED AT LEVELS OF POST-TENSIONING BARS.



KEY PLAN



KEY ELEVATION

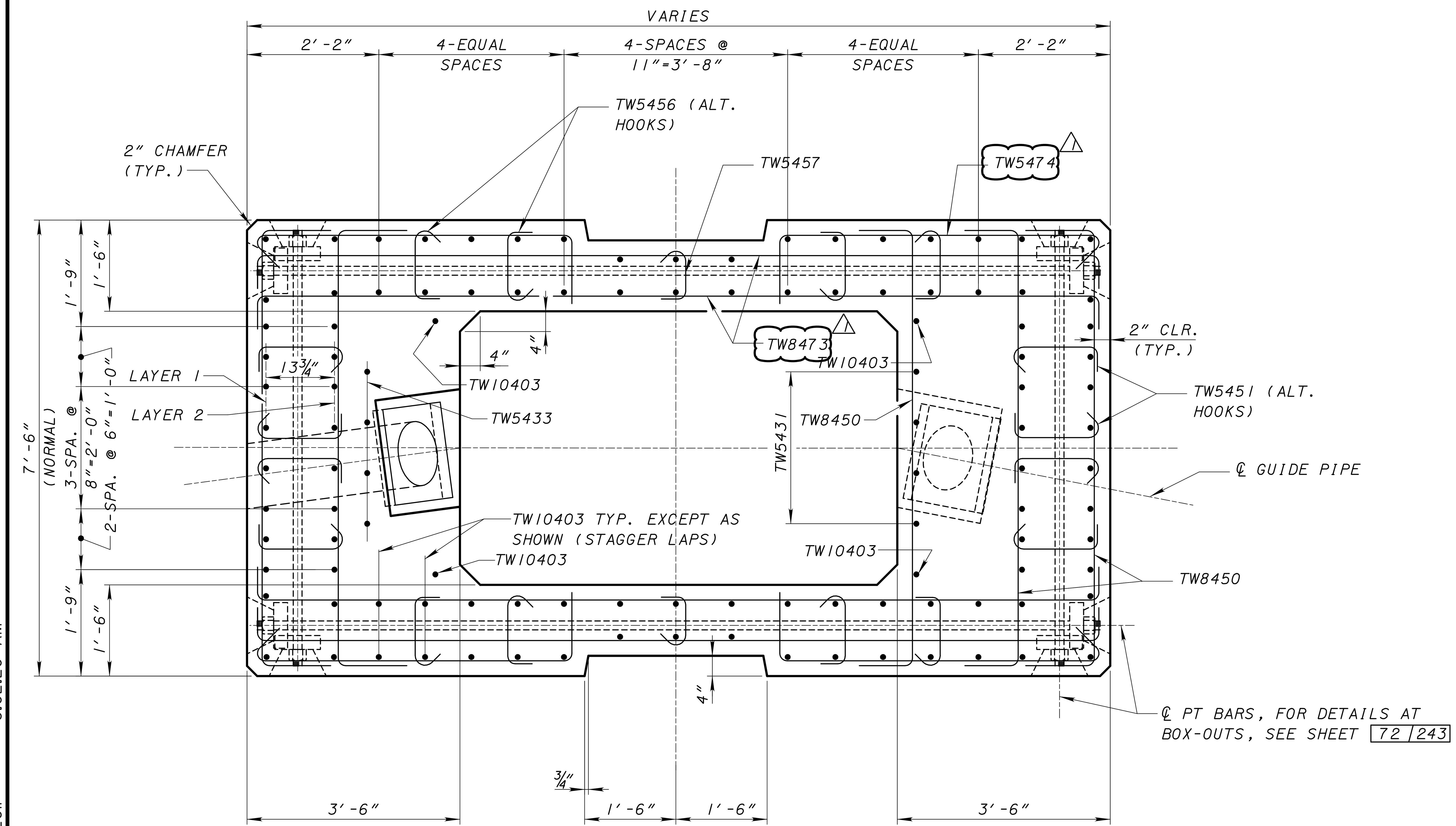
NUMBER	REVISION	DATE	BY
2	AS-BUILT	8/10	LNG
1	CHANGED BAR SIZE	10/02	MJZ

DESIGN AGENCY: BRW HAZELET & ERDAL, A URS COMPANY, (513) 651-3440, 36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

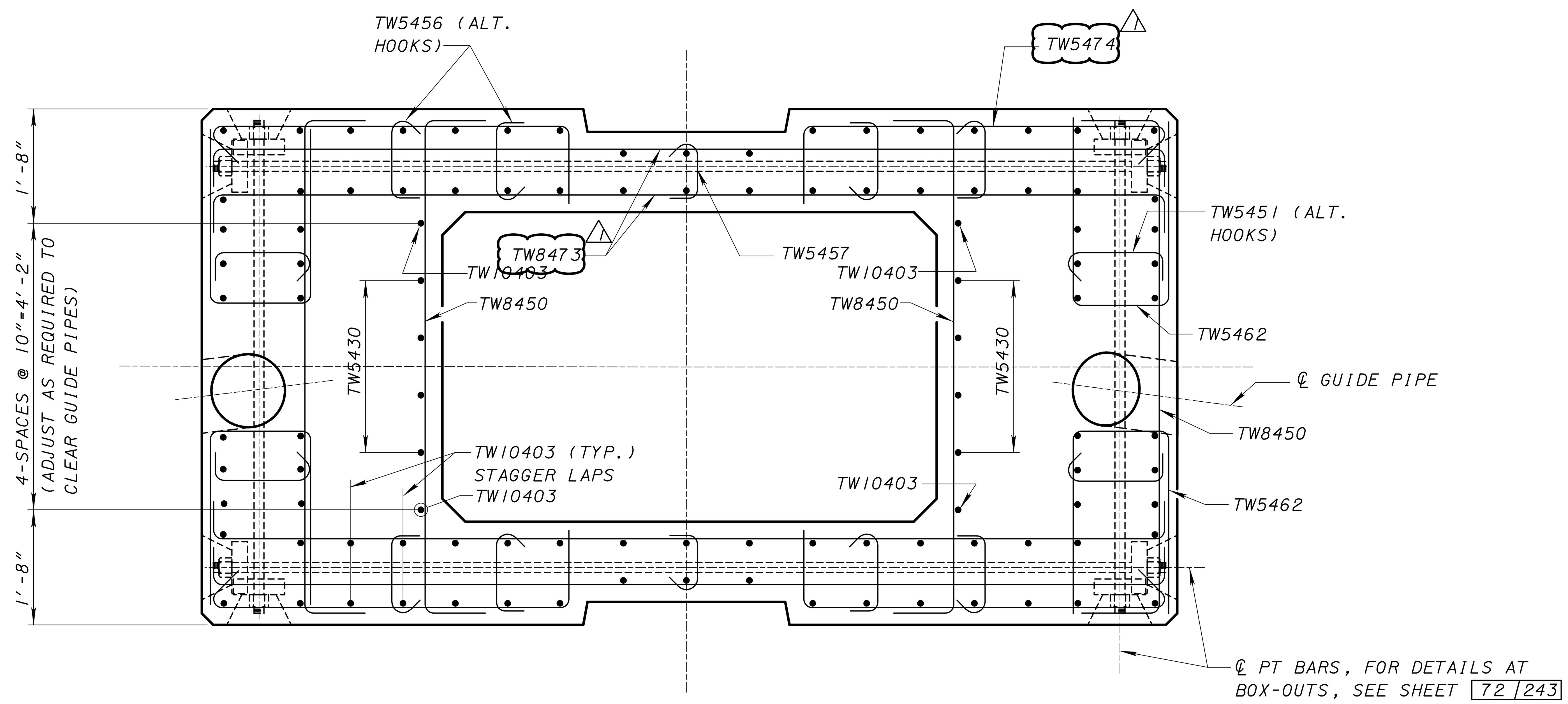
DESIGNED	DRAWN	REVIEWED	DATE	STRUCTURE FILE NUMBER
CEJ	GJW	JRC	5-02	5300916 OH 10385 WV
CHECKED	REVISED			
MJZ				

TOWER REINFORCEMENT - TOWER HEAD (9)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70



SECTION A-A
(SECTION C-C SIMILAR)



SECTION B-B
(SECTION D-D SIMILAR)
NOTE: FOR BAR SPACING & DETAILS NOT SHOWN, SEE SECTION A-A

NOTE
BAR MARKS SHOWN APPLY TO THE WEST VIRGINIA TOWER.
BAR MARKS FOR THE OHIO TOWER ARE THE SAME, EXCEPT THAT THE BAR MARK PREFIX WILL BE "TH" RATHER THAN "TW".

NUMBER	REVISION	DATE	BY
1	AS-BUILT	8/10	LNG

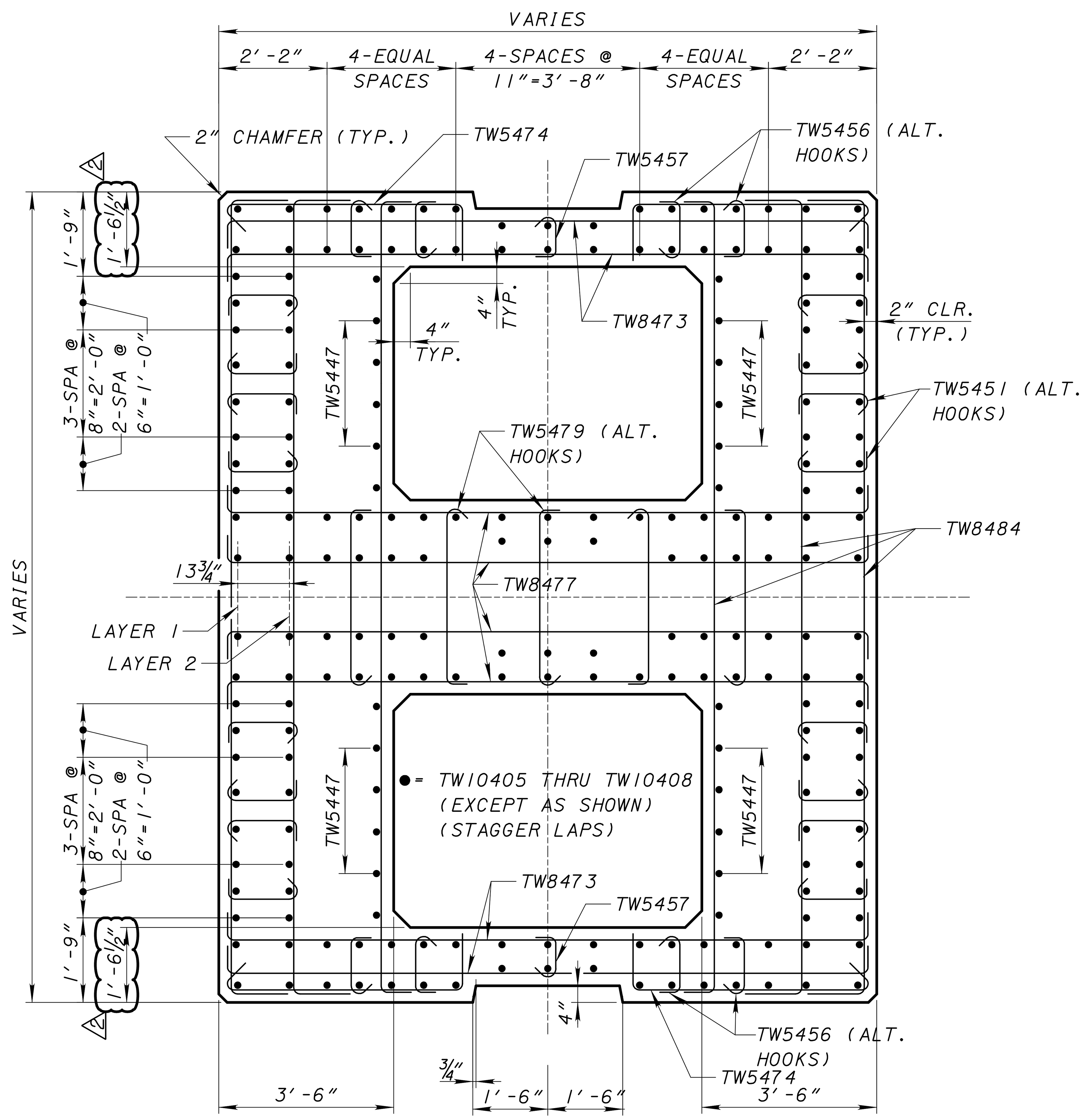
DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
MJZ	GJW	JRC	5-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
CEJ		5300916 OH 10385 WV	

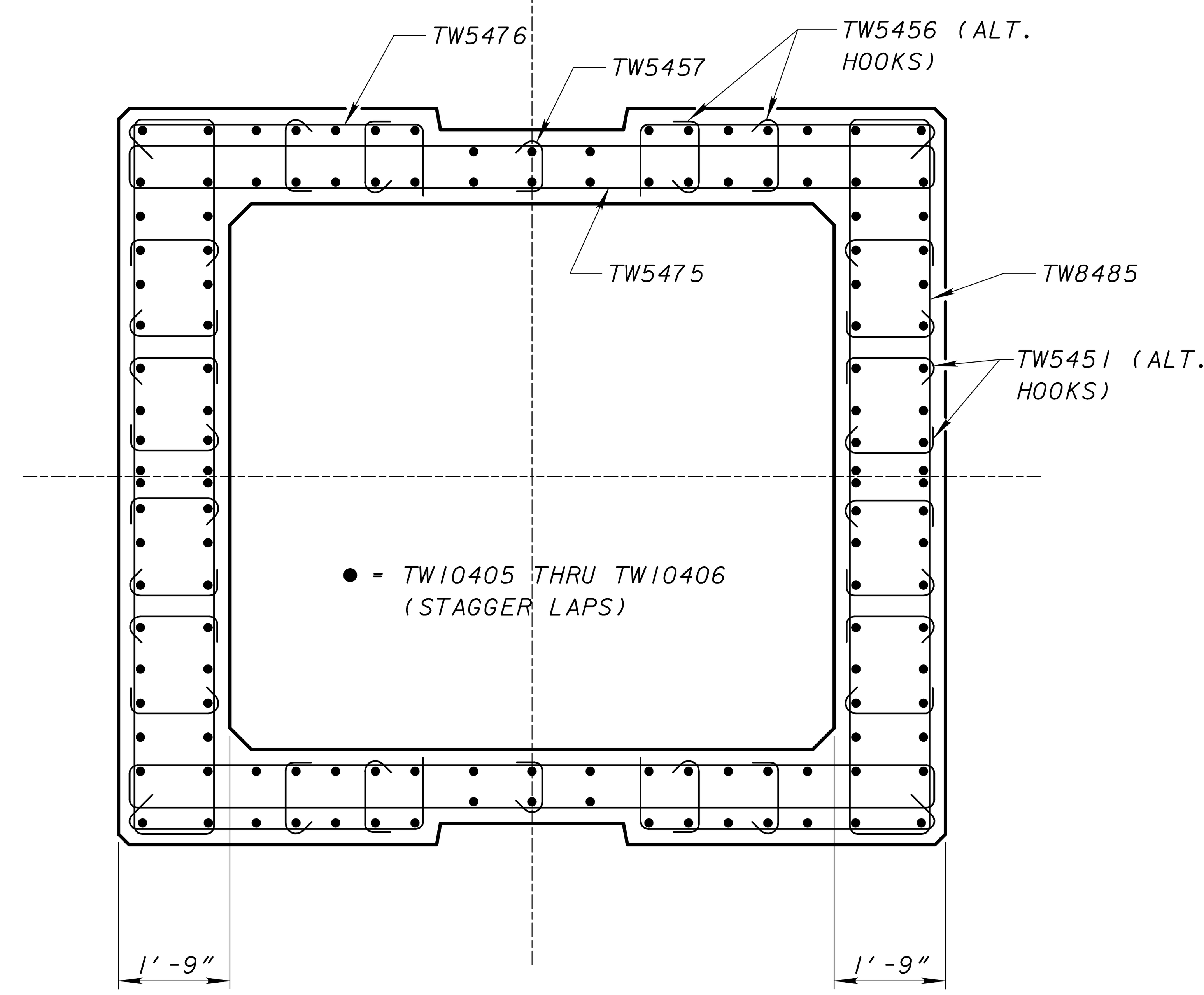
TOWER REINFORCEMENT - TOWER HEAD (10)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

J:\Project\O\ODOT\4944862 POM-MAS\25862-18\piers\twrhd5.dgn 1/13/2011 8:02:20 AM



SECTION C-C



SECTION D-D

NOTE: FOR BAR SPACING & DETAILS NOT SHOWN, SEE SECTION C-C

NOTE
BAR MARKS SHOWN APPLY TO THE WEST VIRGINIA TOWER.
BAR MARKS FOR THE OHIO TOWER ARE THE SAME, EXCEPT THAT THE BAR MARK PREFIX WILL BE "TH" RATHER THAN "TW".

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NUMBER	REVISION	DATE	BY
2	AS-BUILT	8/10	LNG
1	CHANGED BAR SIZE	10/02	MJZ

DESIGN AGENCY: BRW HAZELET & ERDAL, A URS COMPANY, (513) 651-3440, 36 EAST 7TH STREET, SUITE 2300, CINCINNATI, OHIO 45202

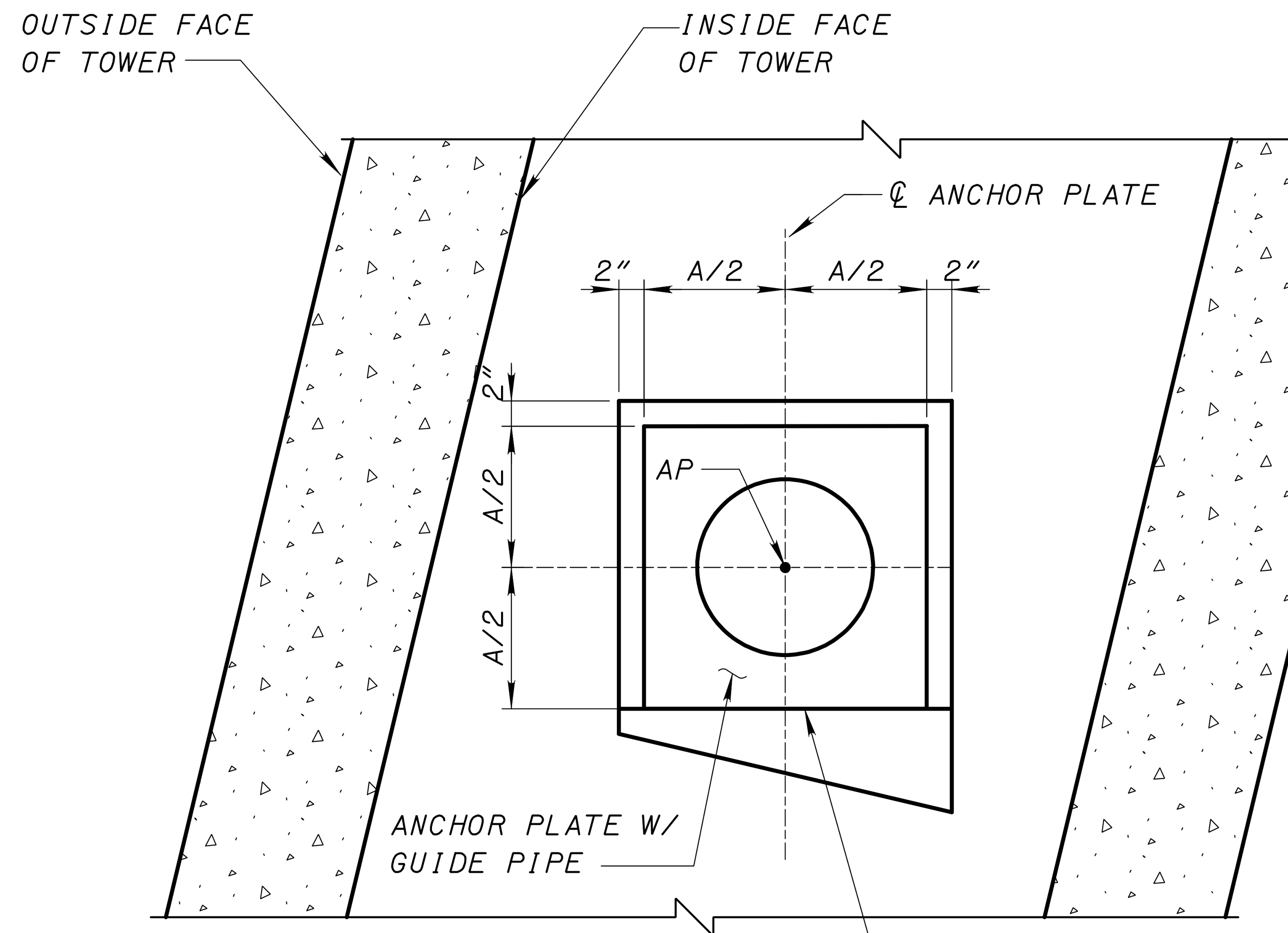
DESIGNED MJZ | DRAWN GJW | REVIEWED JRC | DATE 5-02
CHECKED CEJ | REVISED | STRUCTURE FILE NUMBER 5302916 OH, 10385 WV

TOWER REINFORCEMENT - TOWER HEAD (II)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

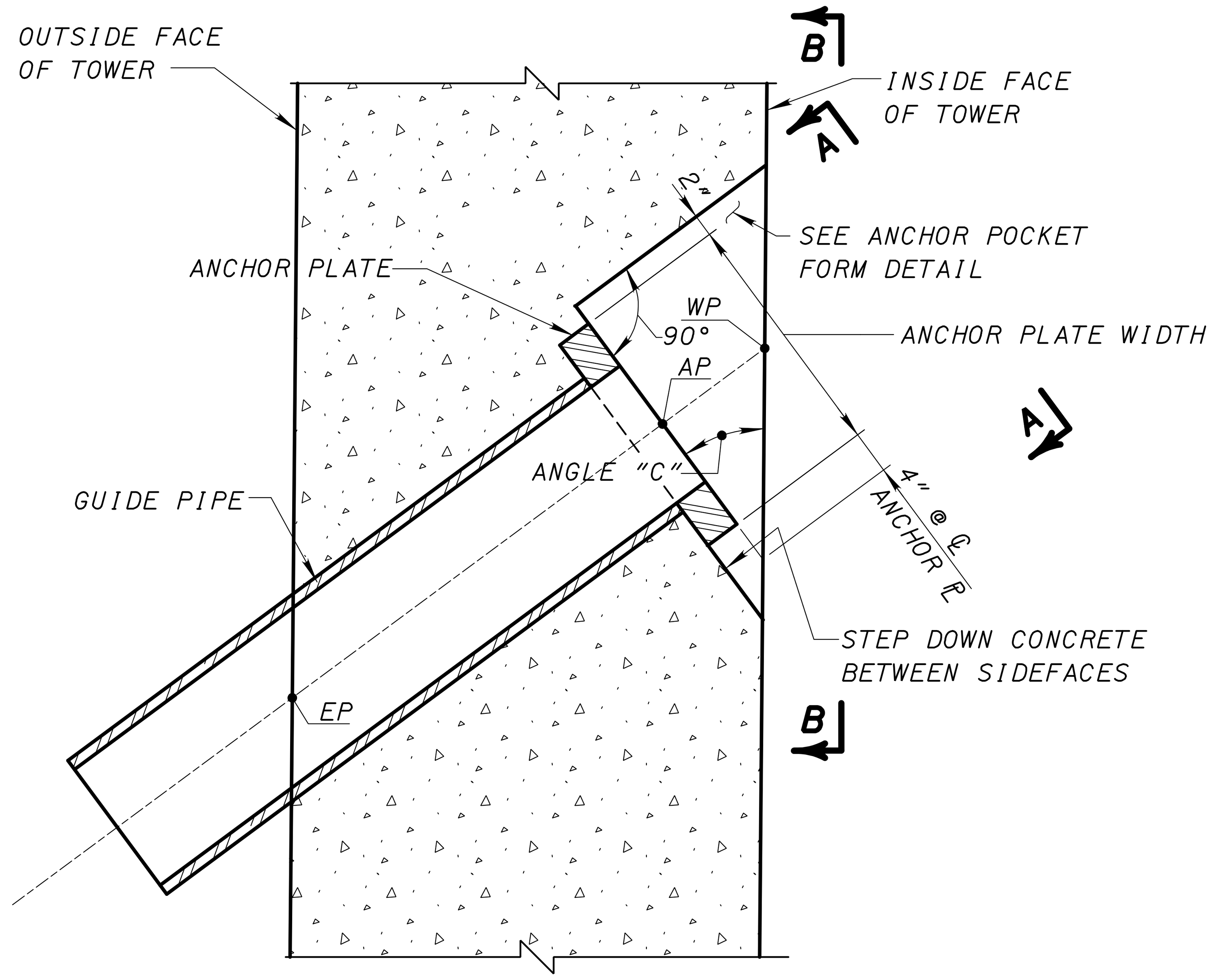
MEG-33-15.70

84 / 243

414 / 582

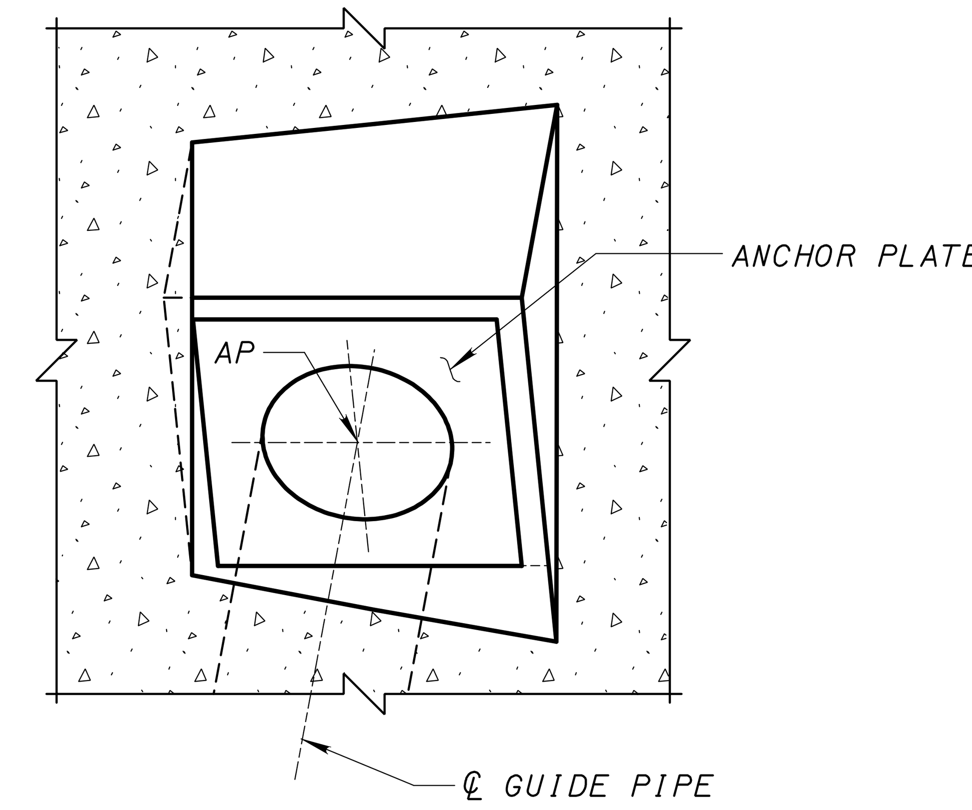


VIEW A-A



ANCHOR POCKET & GUIDE PIPE ELEVATION

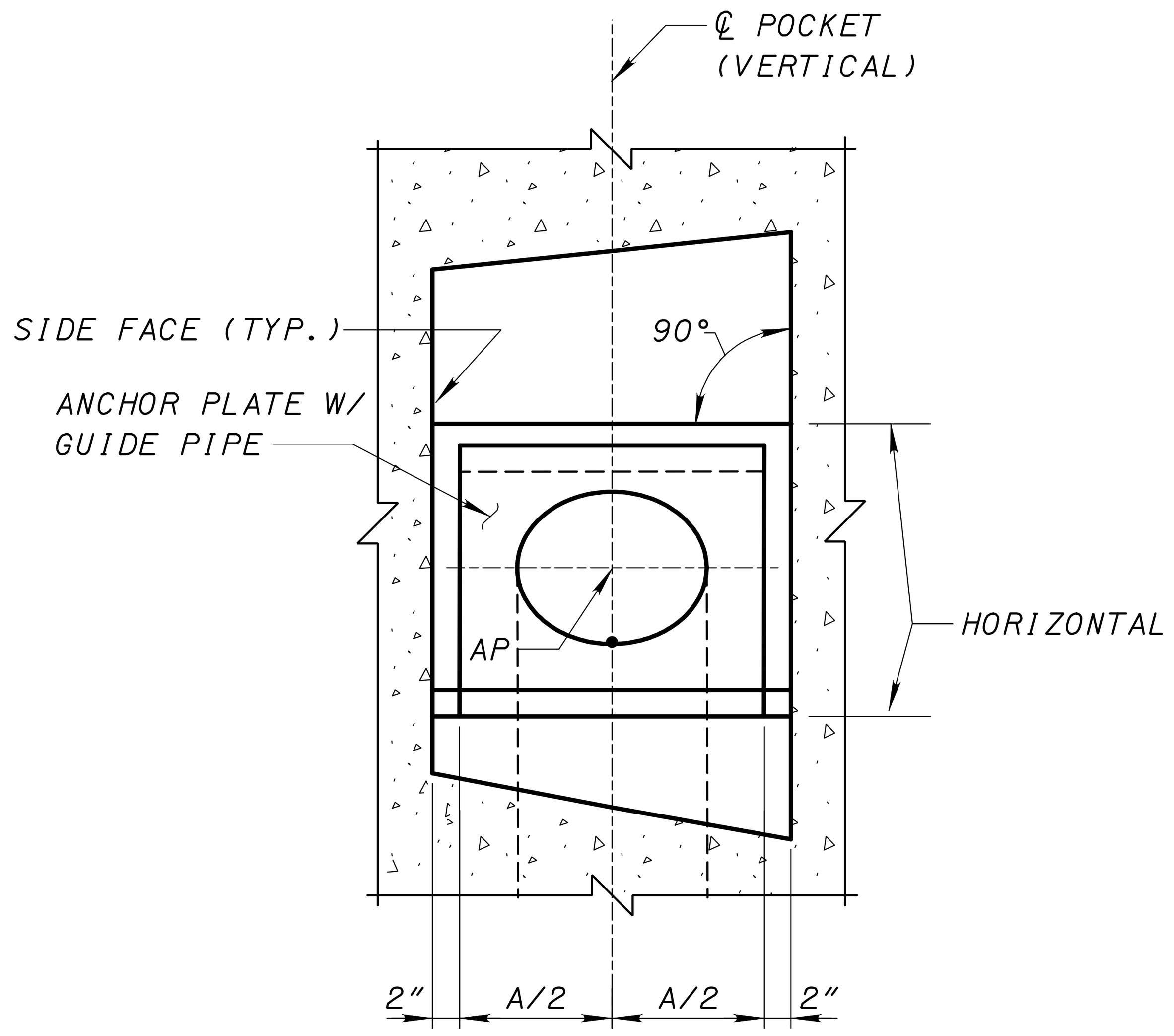
(DRAWN NORMAL TO CABLE)



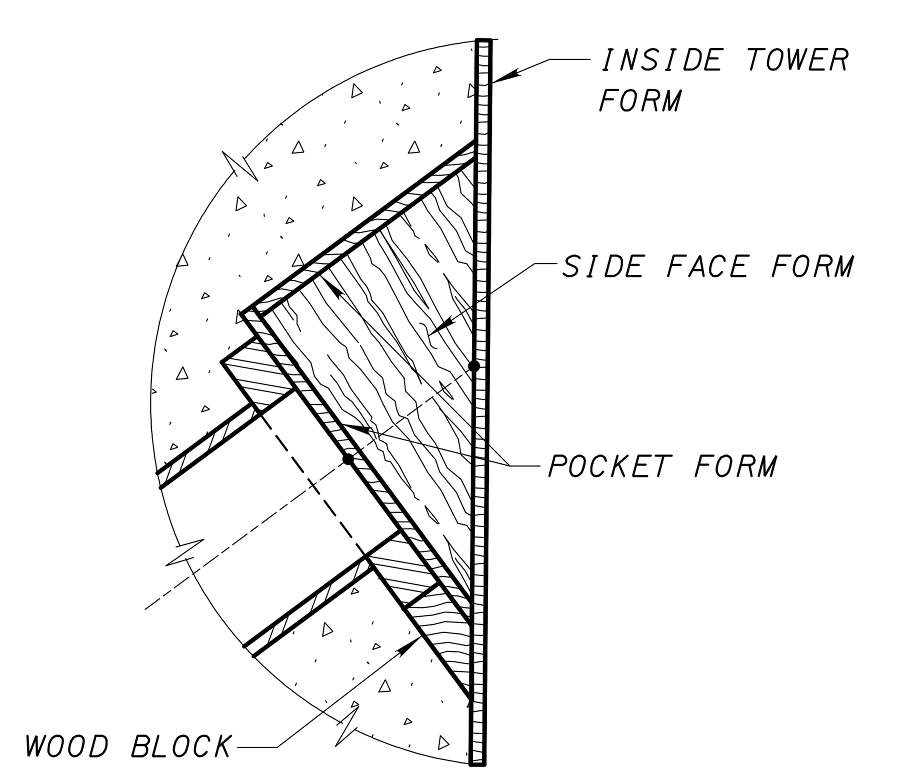
ANCHOR POCKET ISOMETRIC VIEW

LEGEND

WP - CABLE WORK POINT
AP - CABLE ANCHOR POINT
EP - CABLE EXIT POINT



VIEW B-B

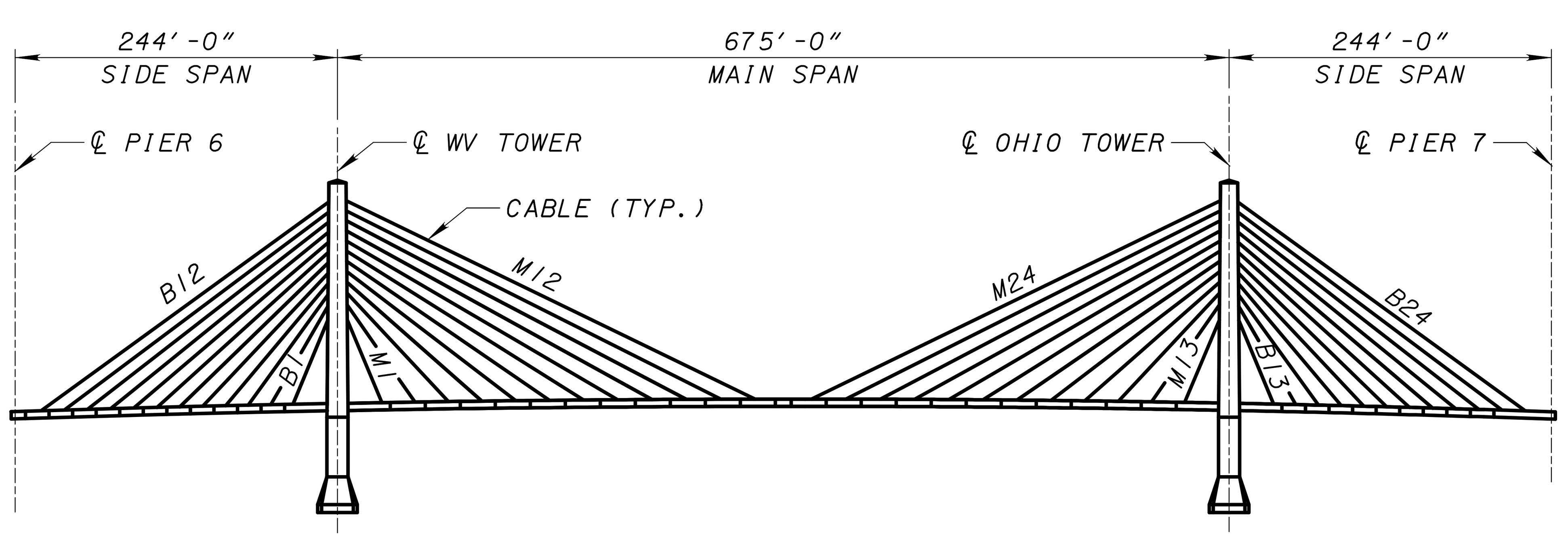


ANCHOR POCKET SUGGESTED FORM DETAIL

ANGLE "C"							
WEST VIRGINIA TOWER				OHIO TOWER			
RIGHT SIDE		LEFT SIDE		RIGHT SIDE		LEFT SIDE	
CABLE NUMBER	ANGLE (DEGREES)	CABLE NUMBER	ANGLE (DEGREES)	CABLE NUMBER	ANGLE (DEGREES)	CABLE NUMBER	ANGLE (DEGREES)
B12	36.183	B12	36.164	B24	36.369	B24	35.946
B11	36.997	B11	36.977	B23	37.143	B23	36.769
B10	37.949	B10	37.929	B22	38.024	B22	37.716
B9	39.077	B9	39.055	B21	39.105	B21	38.837
B8	40.417	B8	40.394	B20	40.399	B20	40.177
B7	42.036	B7	42.011	B19	41.965	B19	41.796
B6	44.012	B6	43.985	B18	43.922	B18	43.775
B5	46.477	B5	46.448	B17	46.368	B17	46.246
B4	49.622	B4	49.590	B16	49.491	B16	49.402
B3	53.695	B3	53.662	B15	53.539	B15	53.491
B2	59.202	B2	59.168	B14	59.020	B14	59.025
B1	66.672	B1	66.642	B13	66.469	B13	66.537
M1	66.313	M1	66.282	M13	66.291	M13	66.260
M2	54.588	M2	54.552	M14	54.551	M14	54.514
M3	46.683	M3	46.647	M15	46.642	M15	46.606
M4	41.284	M4	41.251	M16	41.243	M16	41.210
M5	37.483	M5	37.454	M17	37.445	M17	37.416
M6	34.622	M6	34.595	M18	34.587	M18	34.560
M7	32.452	M7	32.428	M19	32.420	M19	32.396
M8	30.670	M8	30.648	M20	30.642	M20	30.620
M9	29.267	M9	29.247	M21	29.244	M21	29.223
M10	28.184	M10	28.165	M22	28.165	M22	28.146
M11	27.219	M11	27.201	M23	27.206	M23	27.188
M12	26.477	M12	26.461	M24	26.470	M24	26.454

NOTES

1. FOR PIPE AND ANCHOR PLATE DIMENSIONS, SEE SHEET 164/243
2. ANGLE "C" IS MEASURED ALONG CENTERLINE OF CABLE IN THE PLANE OF THE CABLE.
3. FOR "CABLE WORK POINT", "CABLE ANCHOR POINT" AND "CABLE EXIT POINT" COORDINATES, SEE SHEETS 158/243 AND 159/243
4. DETAILS SHOWN ON THIS SHEET ARE INTENDED TO SUGGEST CONSTRUCTION OF THE ANCHOR POCKETS TO ACCOMODATE CABLE GEOMETRY.



KEY PLAN

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED MJZ | DRAWN GJW | REVIEWED JRC | DATE 5-02
CHECKED CEJ | REVISED | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

TOWER ANCHORAGE POCKET DETAILS
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

85/243

415/582

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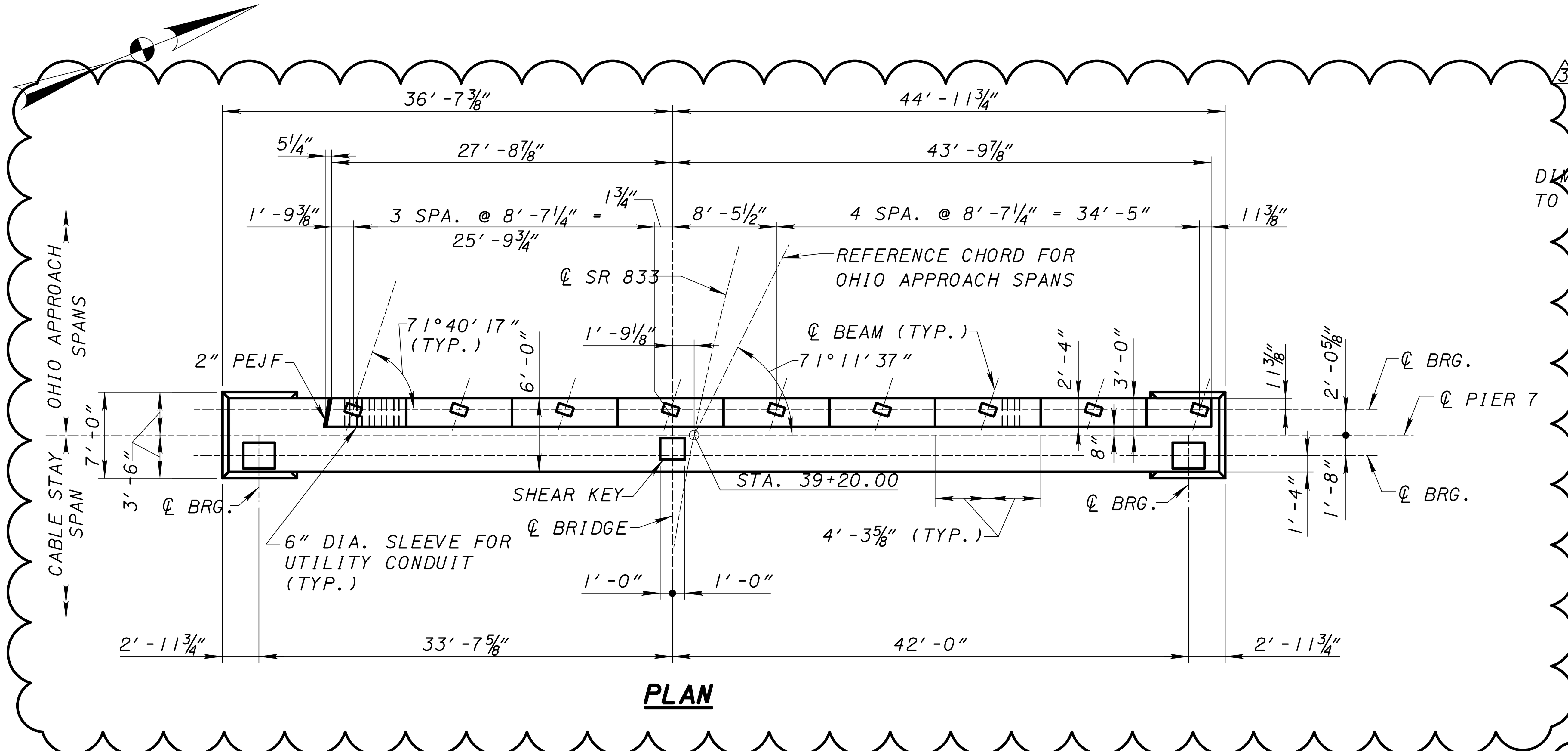
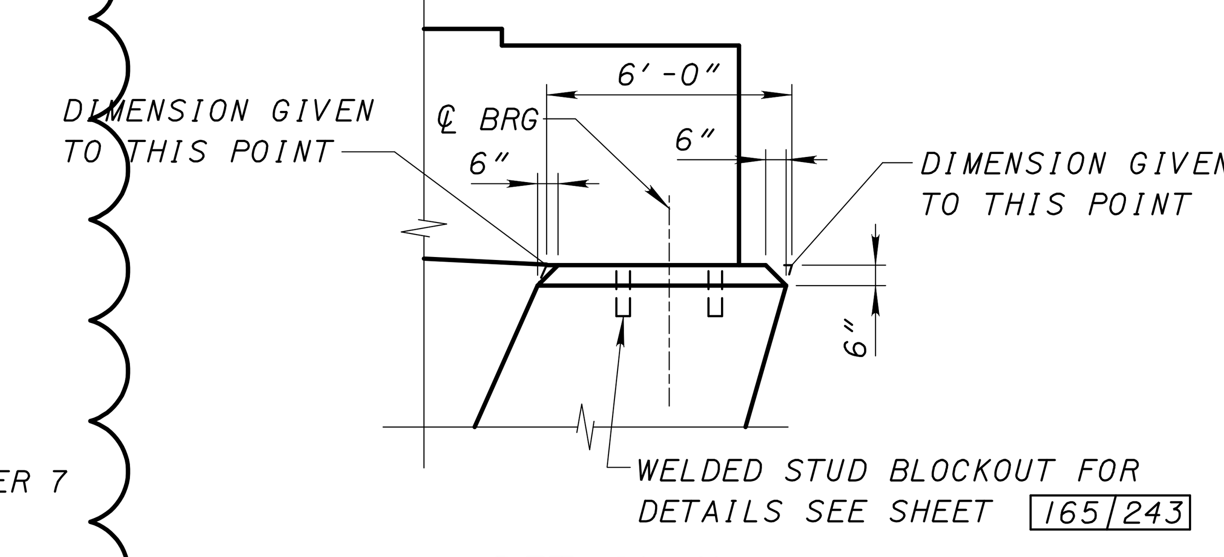
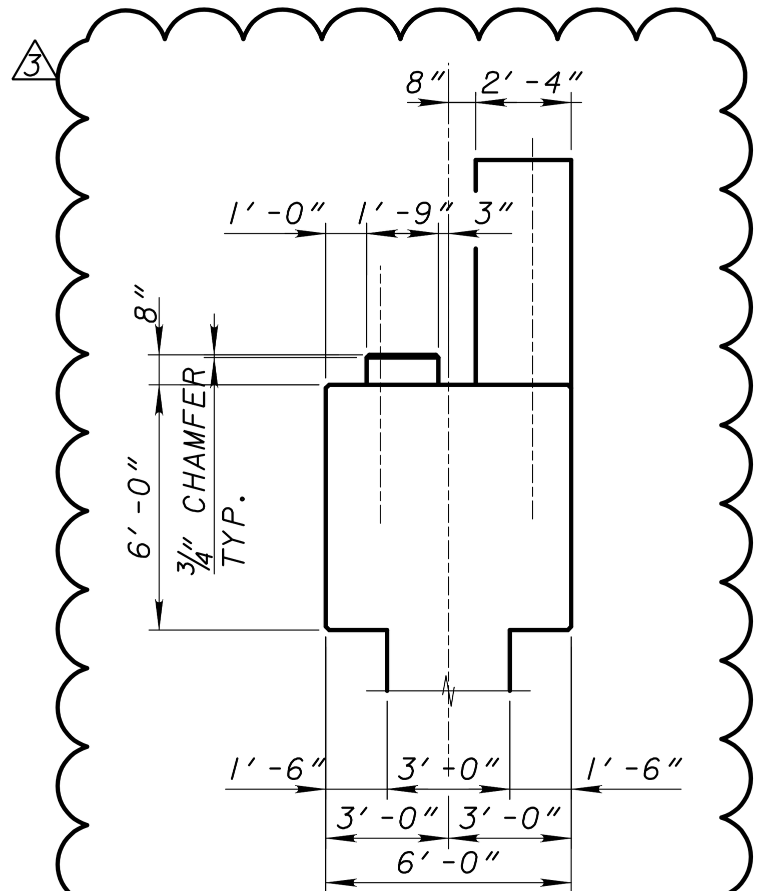


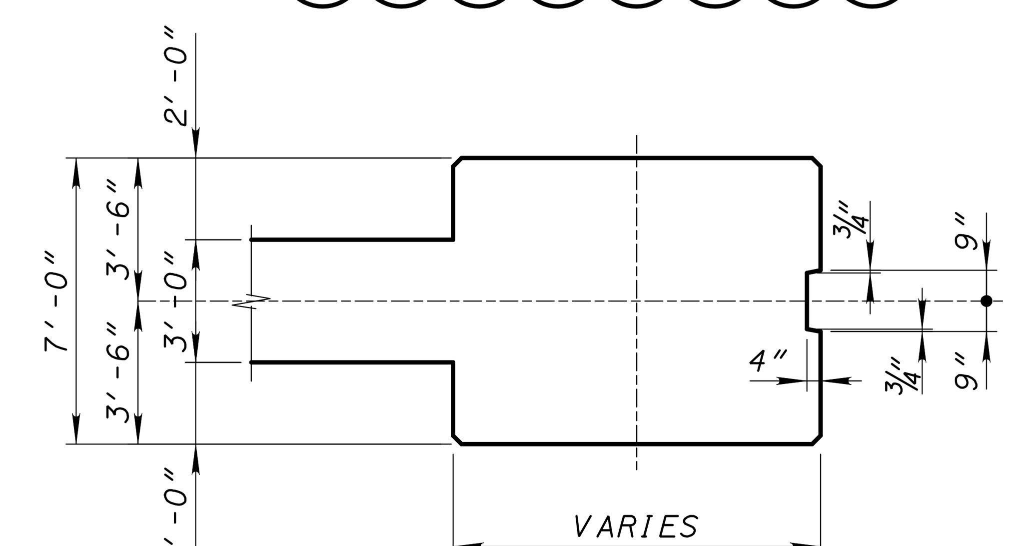
PLAN



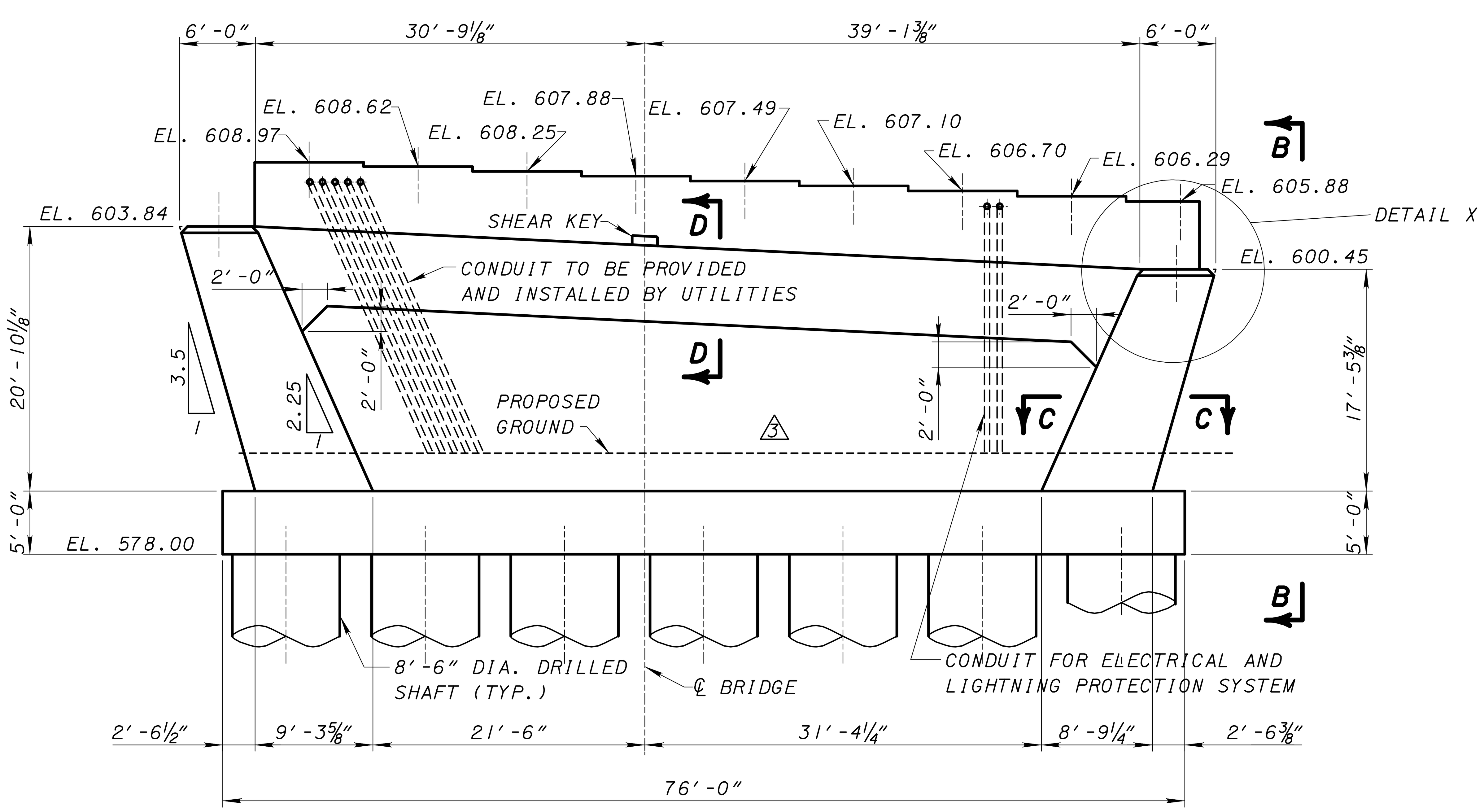
DETAIL X



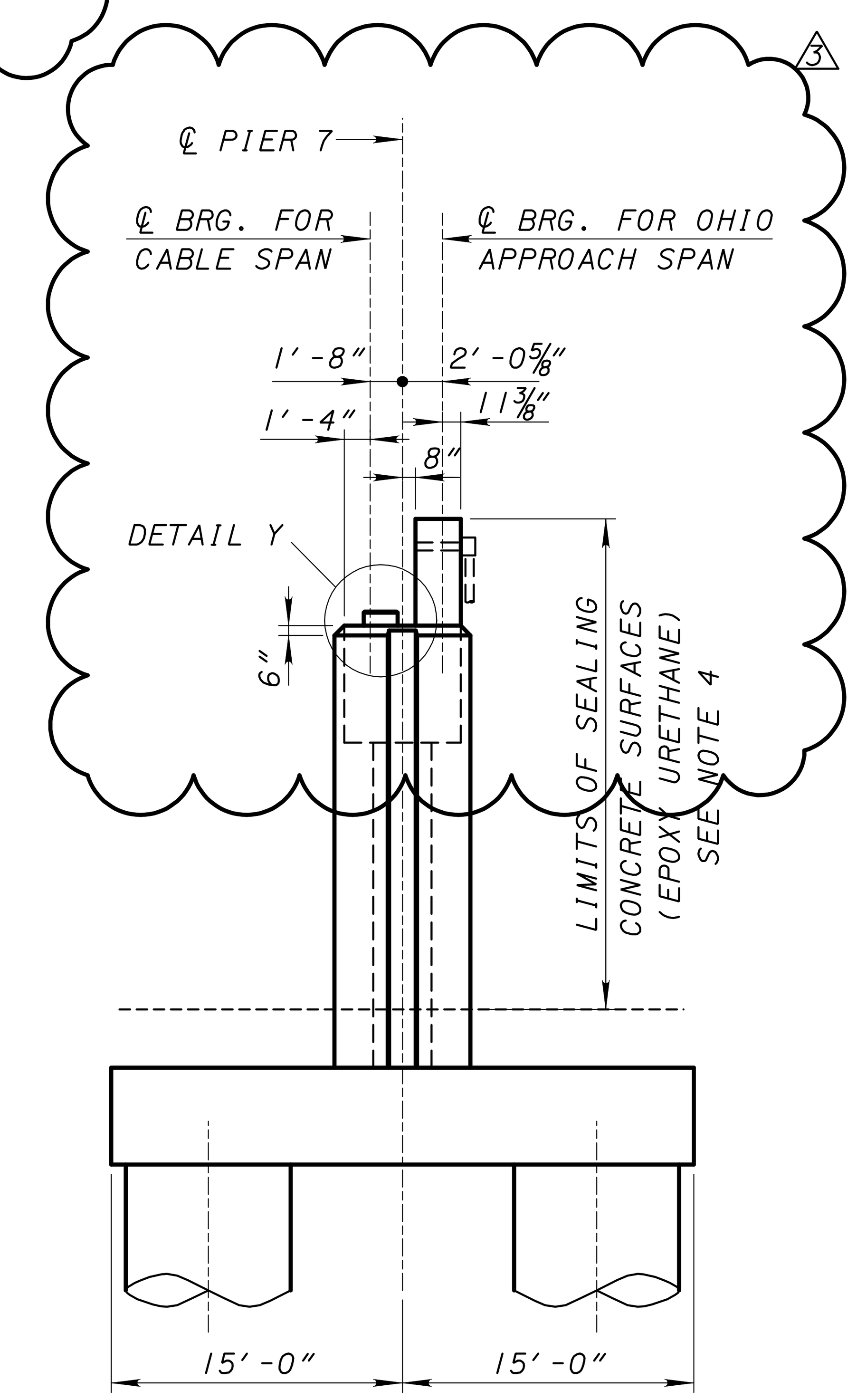
SECTION D-D



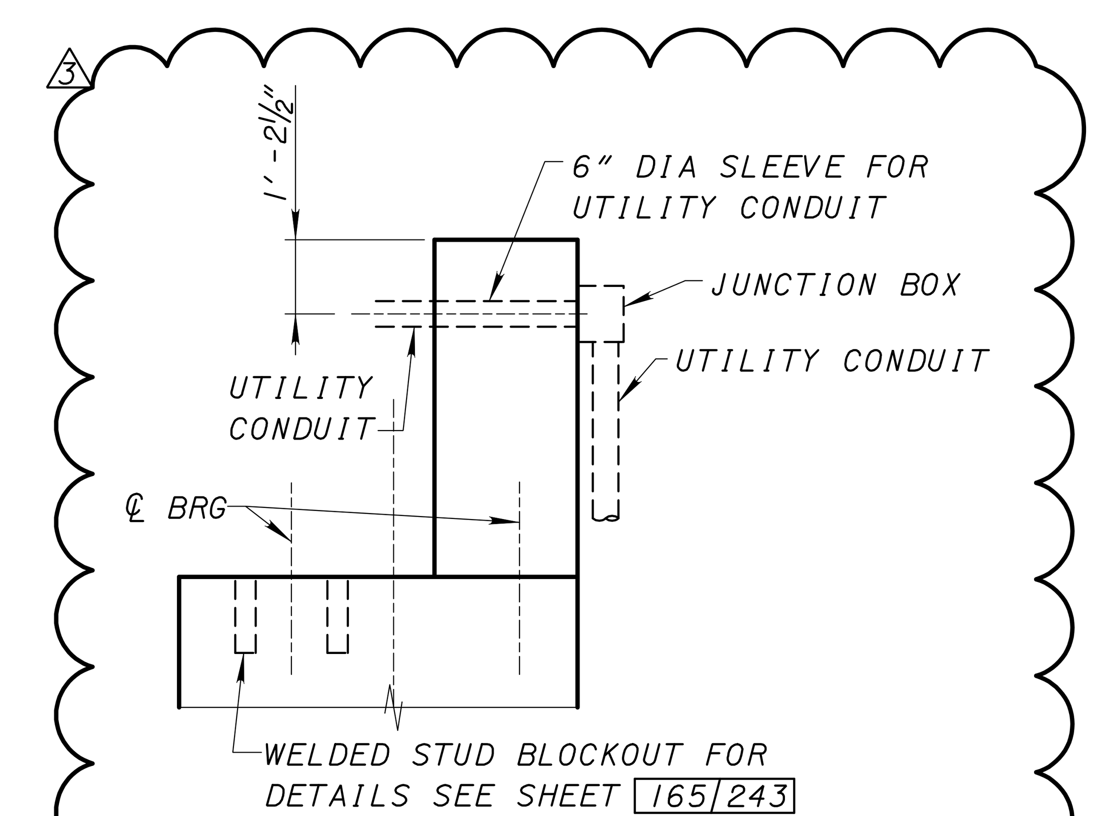
SECTION C-C



ELEVATION



VIEW B-B



DETAIL Y

NOTES

1. FOR FOUNDATION LAYOUT, SEE SHEET 12 243 .
2. CONTRACTOR IS RESPONSIBLE FOR ALL MATERIALS AND LABOR NECESSARY TO INSTALL THE SLEEVES, JUNCTION BOXES, AND CONDUIT RUNS UNLESS NOTED ON THE PLANS. COST OF LABOR AND MATERIALS SHALL BE INCIDENTAL TO CONCRETE FOR THE PIER.
3. ALL EXPOSED CONCRETE SURFACES FROM THE GROUND LINE TO THE TOP OF THE BEAM SEATS SHALL BE SEALED WITH AN EPOXY URETHANE SEALER, EXCEPT FOR BEARING SURFACES.
4. FOR DETAILS OF LIGHTNING PROTECTION SYSTEM, SEE SHEETS 182 243 THRU 184 243 .
5. FOR DETAILS OF ELECTRICAL CONDUIT, SEE SHEET 185 243 THRU 187 243 .

NUMBER	REVISION	DATE	BY
1	REVISED FOOTING	5/04	MJZ
2	REVISED FOOTING	6/04	MJZ
3	REVISED FOOTING	12/04	MJZ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED BER | DRAWN BER | REVIEWED JRC | DATE 5-02
CHECKED MJZ | REVISED | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

PIER 7 GEOMETRY
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

86 / 243

416 / 582

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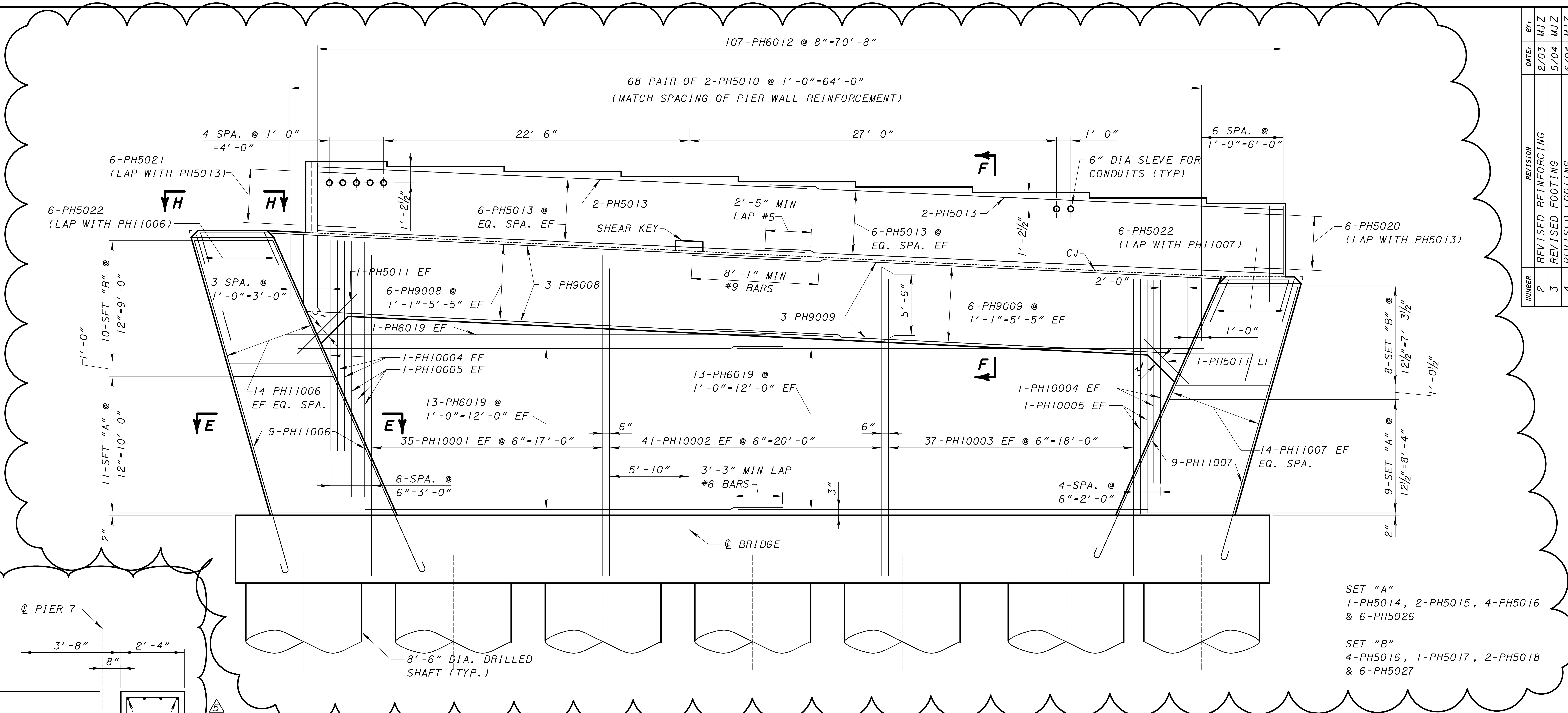
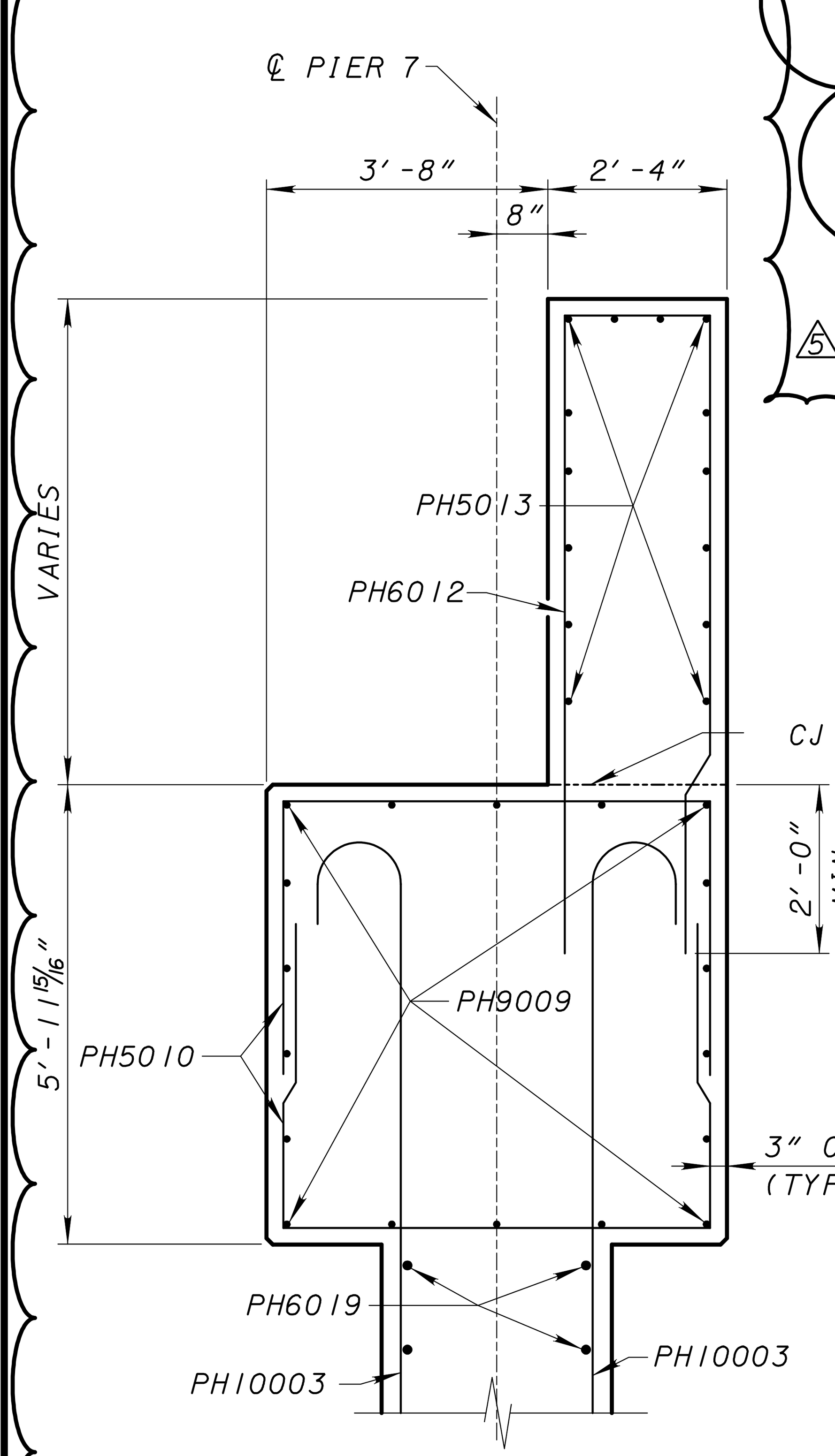


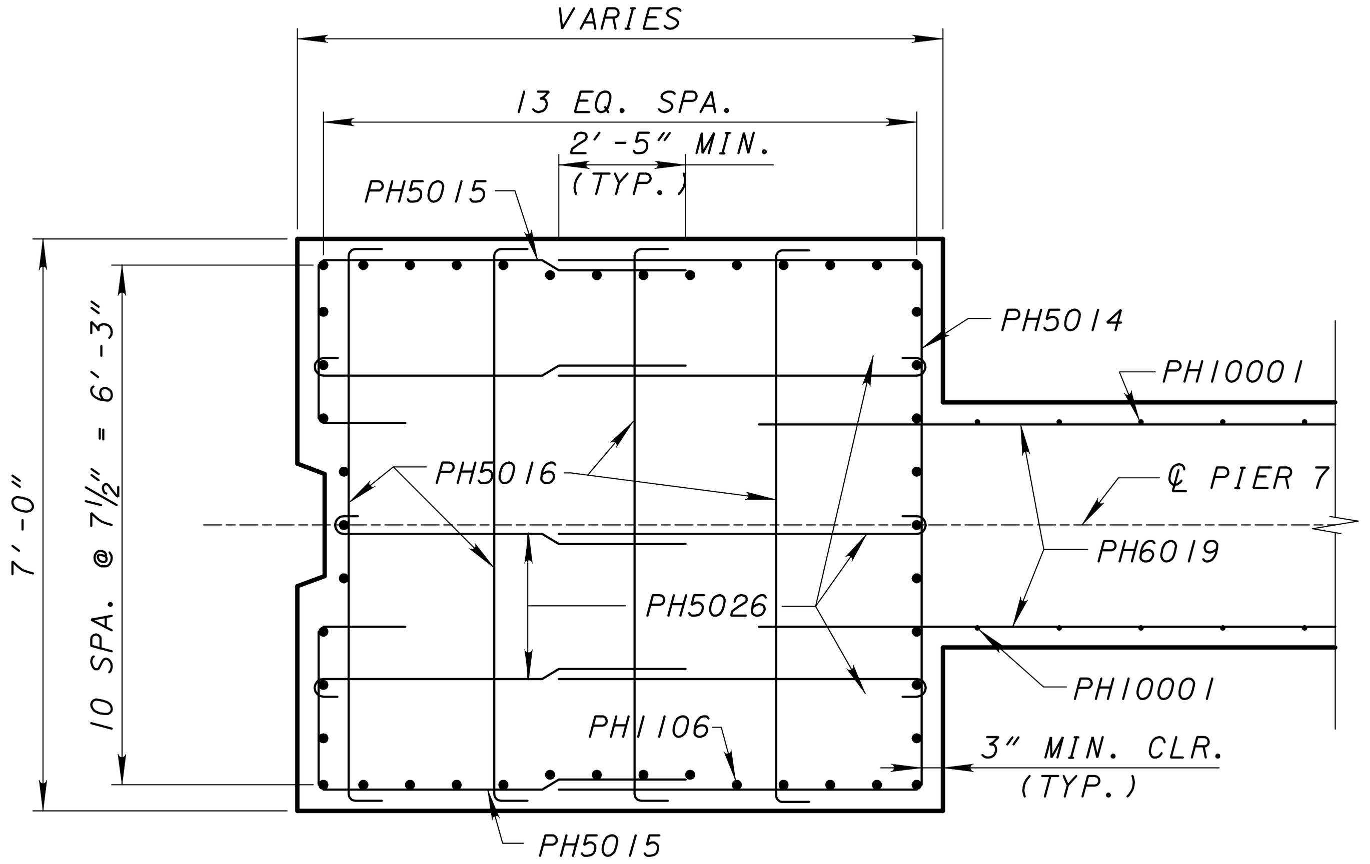
VIEW A-A

SET "A"
1-PH5014, 2-PH5015, 4-PH5016 & 6-PH5026

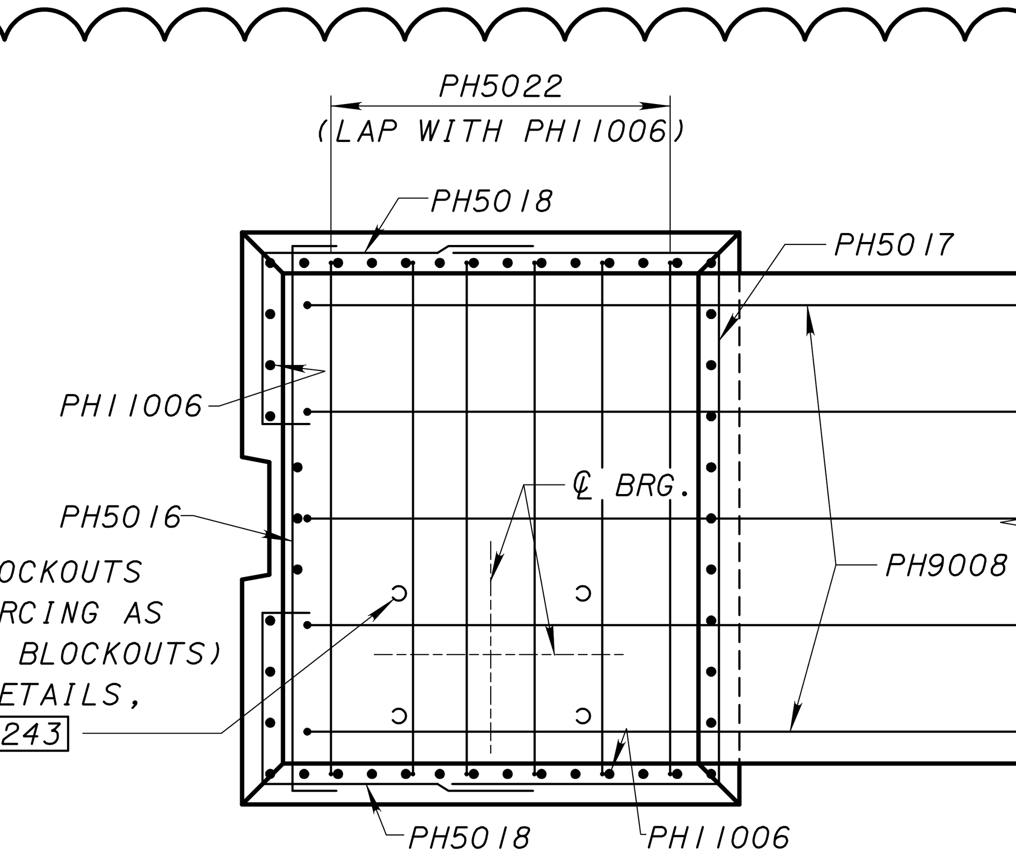
SET "B"
4-PH5016, 1-PH5017, 2-PH5018 & 6-PH5027



SECTION F-F



SECTION E-E



WELDED STUD BLOCKOUTS (ADJUST REINFORCING AS REQ'D TO CLEAR BLOCKOUTS) FOR BLOCKOUT DETAILS, SEE SHEET 165/243

SECTION H-H

LEGEND

EF - EACH FACE

NOTES

1. FOR FOOTING REINFORCEMENT SEE SHEET 88/243
2. FOR REINFORCEMENT STEEL LIST, SEE SHEET 204/243
3. FOR SHEAR KEY REINFORCEMENT, SEE SHEET 88/243

NUMBER	REVISION	DATE	BY
2	REVISED REINFORCING	2/03	MJZ
3	REVISED FOOTING	5/04	MJZ
4	REVISED FOOTING	6/04	MJZ
5	REVISED FOOTING	12/04	MJZ

DESIGN AGENCY: BRW HAZELET & ERDAL, A URS COMPANY, (513) 651-3440, 36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

REVIEWED: JRC | DATE: 5-02 | STRUCTURE FILE NUMBER: 5300916 OH 10385 WV

DESIGNED: BER | DRAWN: BER | CHECKED: MJZ | REVISED:

PIER 7 REINFORCEMENT (1)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

87/243

417/582

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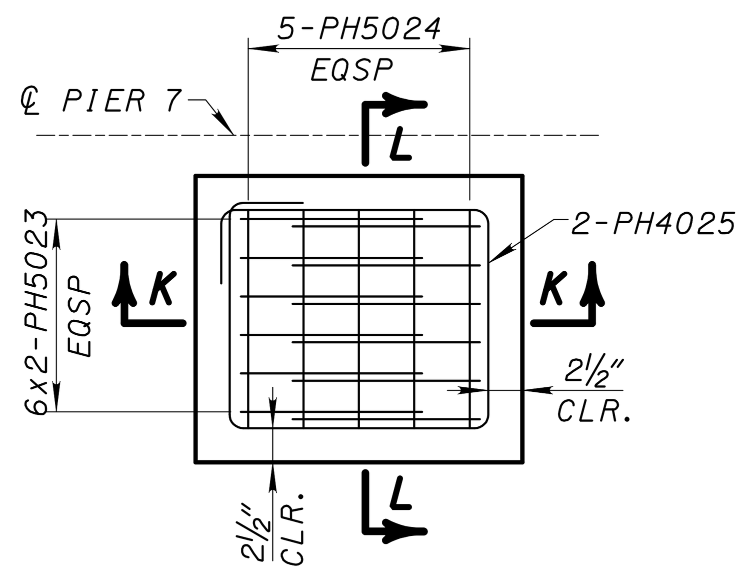
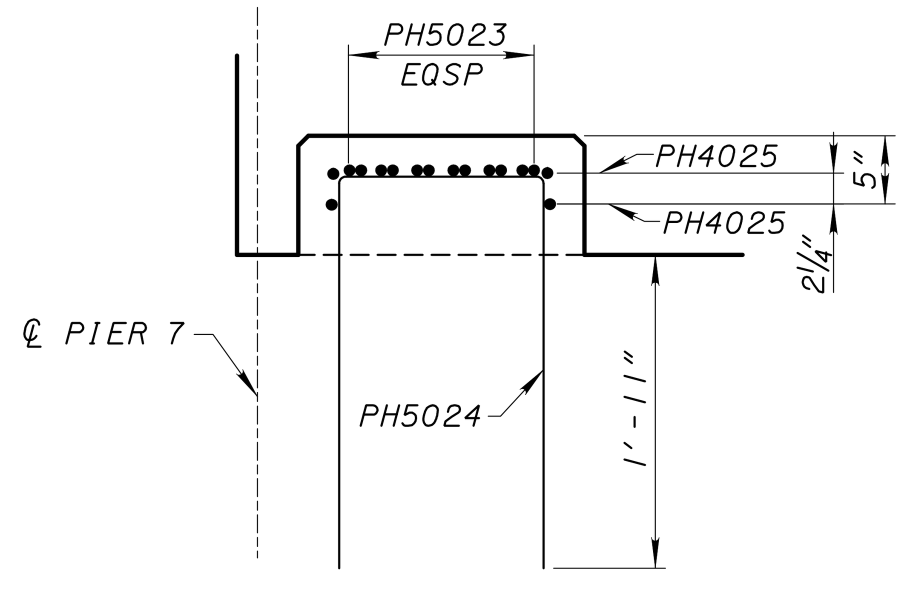
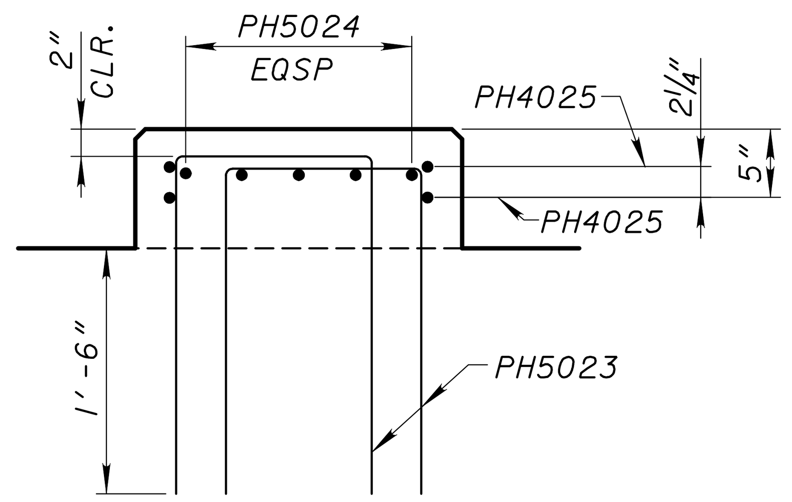


SHEAR KEY REINFORCING PLAN



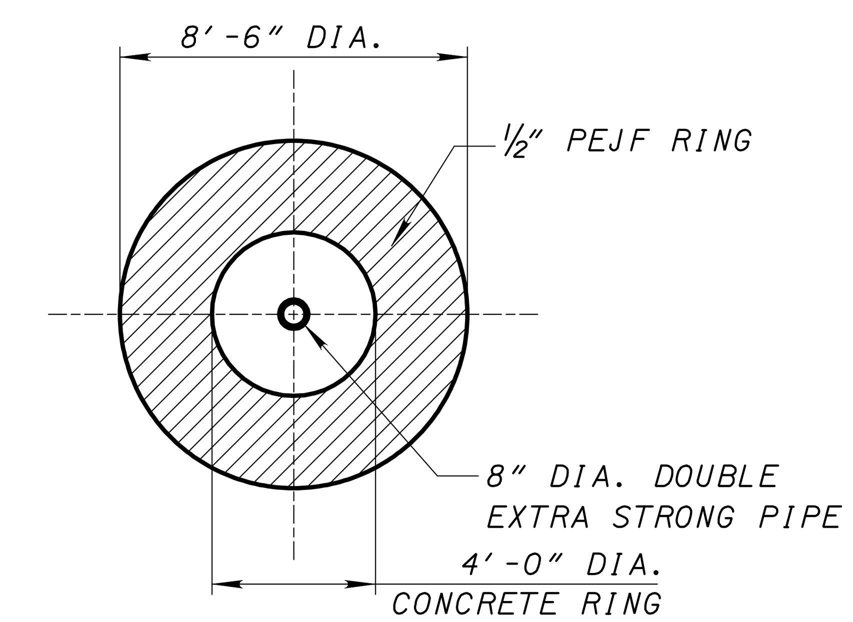
SECTION L-L

1"=1'-0"

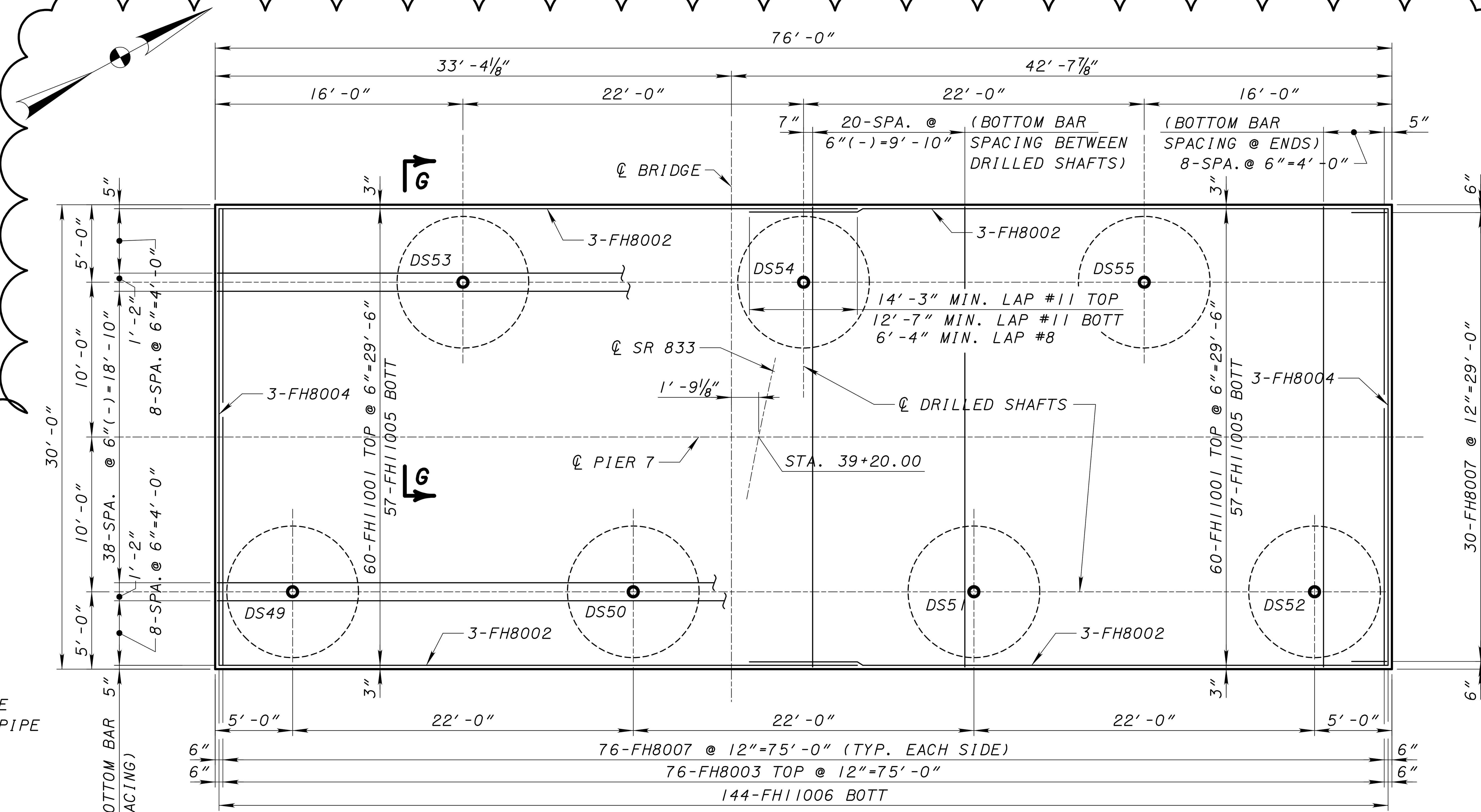


SECTION K-K

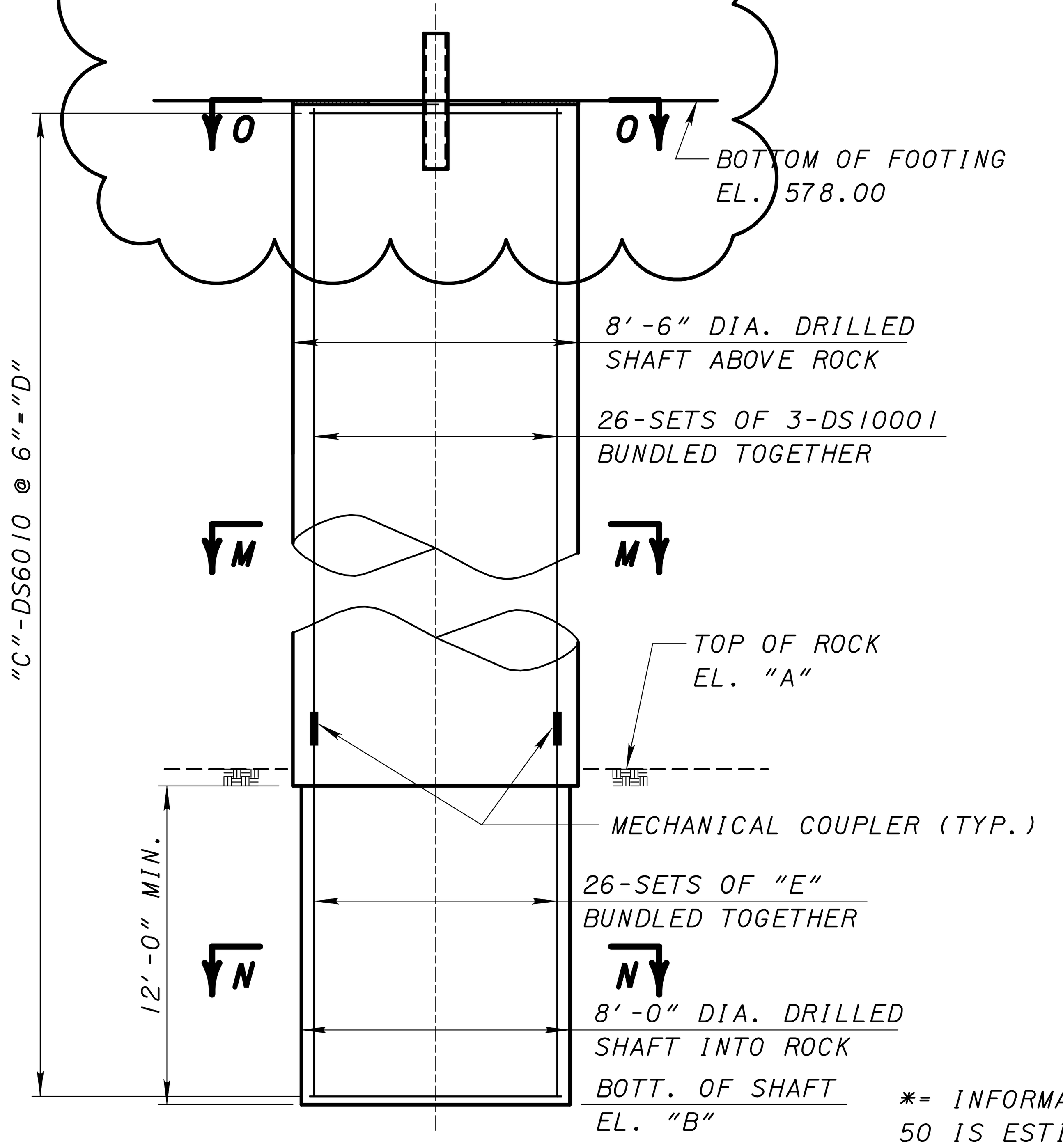
1"=1'-0"



SECTION O-O

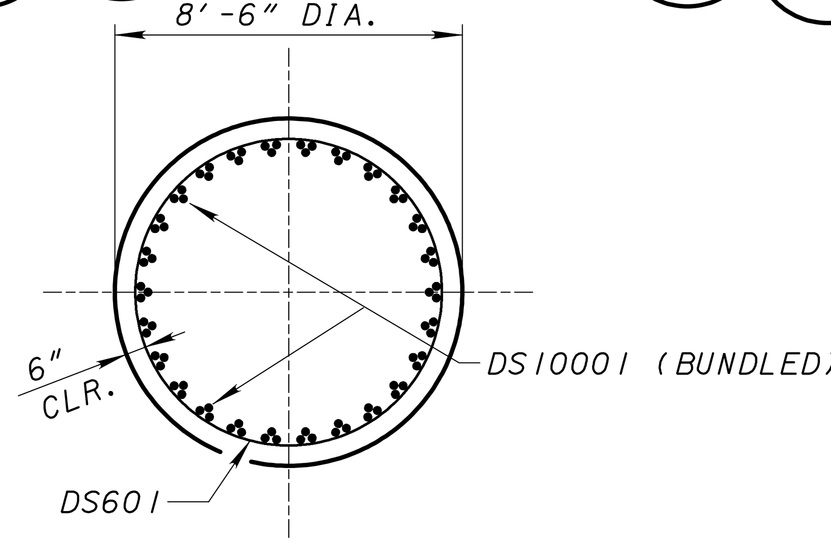


FOOTING PLAN

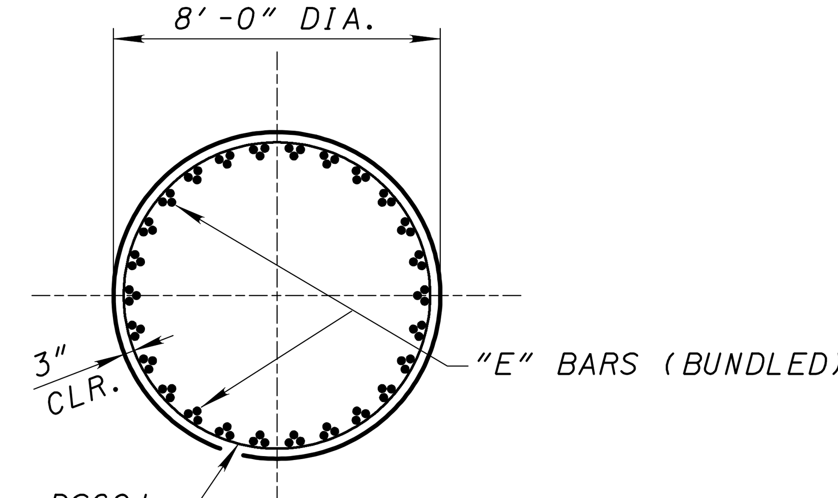


ELEVATION

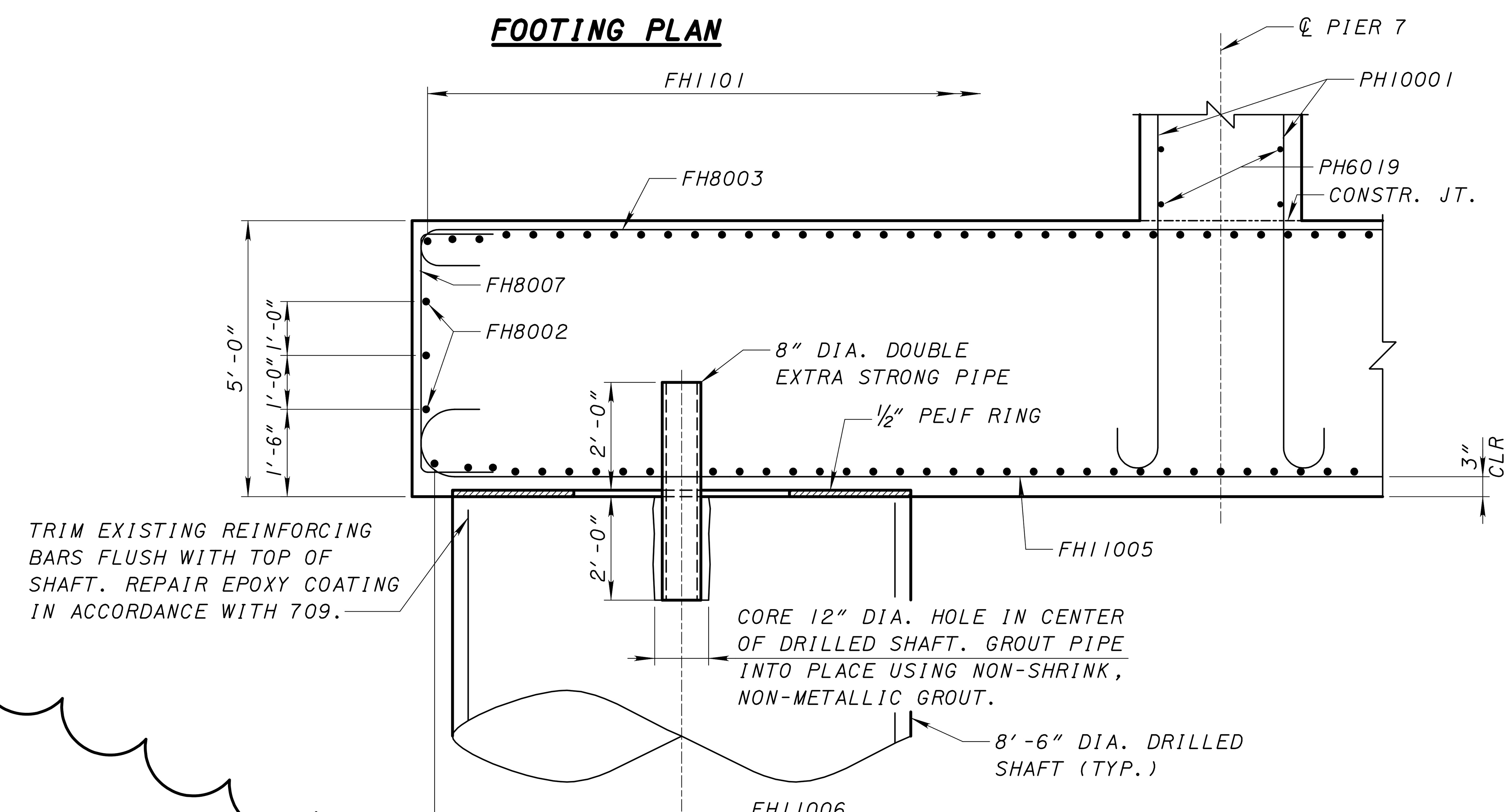
DRILLED SHAFT DETAILS



SECTION M-M



SECTION N-N



SECTION G-G

*= INFORMATION FOR DRILLED SHAFT 50 IS ESTIMATED. PROOF CORE AT THIS LOCATION WAS NOT COMPLETED DUE TO OBSTRUCTION.

SHAFT NUMBER	T/ROCK "A"	B/SHAFT "B"	"C"	"D"	"E"
DS49	527.5±	498.0	160	79'-6"	1-DS10002, 1-DS10003 & 1-DS10004
DS50*	530.0±	498.0	160	79'-6"	1-DS10002, 1-DS10003 & 1-DS10004
DS51	528.0±	498.0	160	79'-6"	1-DS10002, 1-DS10003 & 1-DS10004
DS52	528.0±	498.0	160	79'-6"	1-DS10002, 1-DS10003 & 1-DS10004
DS53	538.0±	501.0	154	76'-6"	1-DS10005, 1-DS10006 & 1-DS10007
DS54	538.0±	501.0	154	76'-6"	1-DS10005, 1-DS10006 & 1-DS10007
DS55	538.0'	501.0'	154	76'-6"	1-DS10005, 1-DS10006 & 1-DS10007

LEGEND

PEJF = PREFORMED EXPANSION JOINT FILLER

NOTES

1. FOR REINFORCING STEEL LIST, SEE SHEET 204/243

NUMBER	REVISION	DATE	BY
1	REVISED FOOTING	5/04	MJZ
2	REVISED FOOTING	6/04	MJZ
3	REVISED FOOTING	12/04	MJZ

DESIGN AGENCY: BRW HAZELET & ERDAL, A URS COMPANY, 36 EAST 7TH STREET, SUITE 2300, CINCINNATI, OHIO 45202, (513) 651-3440

REVIEWED: JRC | DATE: 5-02 | STRUCTURE FILE NUMBER: 5300916 OH, 10385 WV

DESIGNED: BER | DRAWN: BER | CHECKED: MJZ | REVISED:

PIER 7 REINFORCEMENT (2)

BRIDGE NO. MEG-33-1570

POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

88/243

418/582

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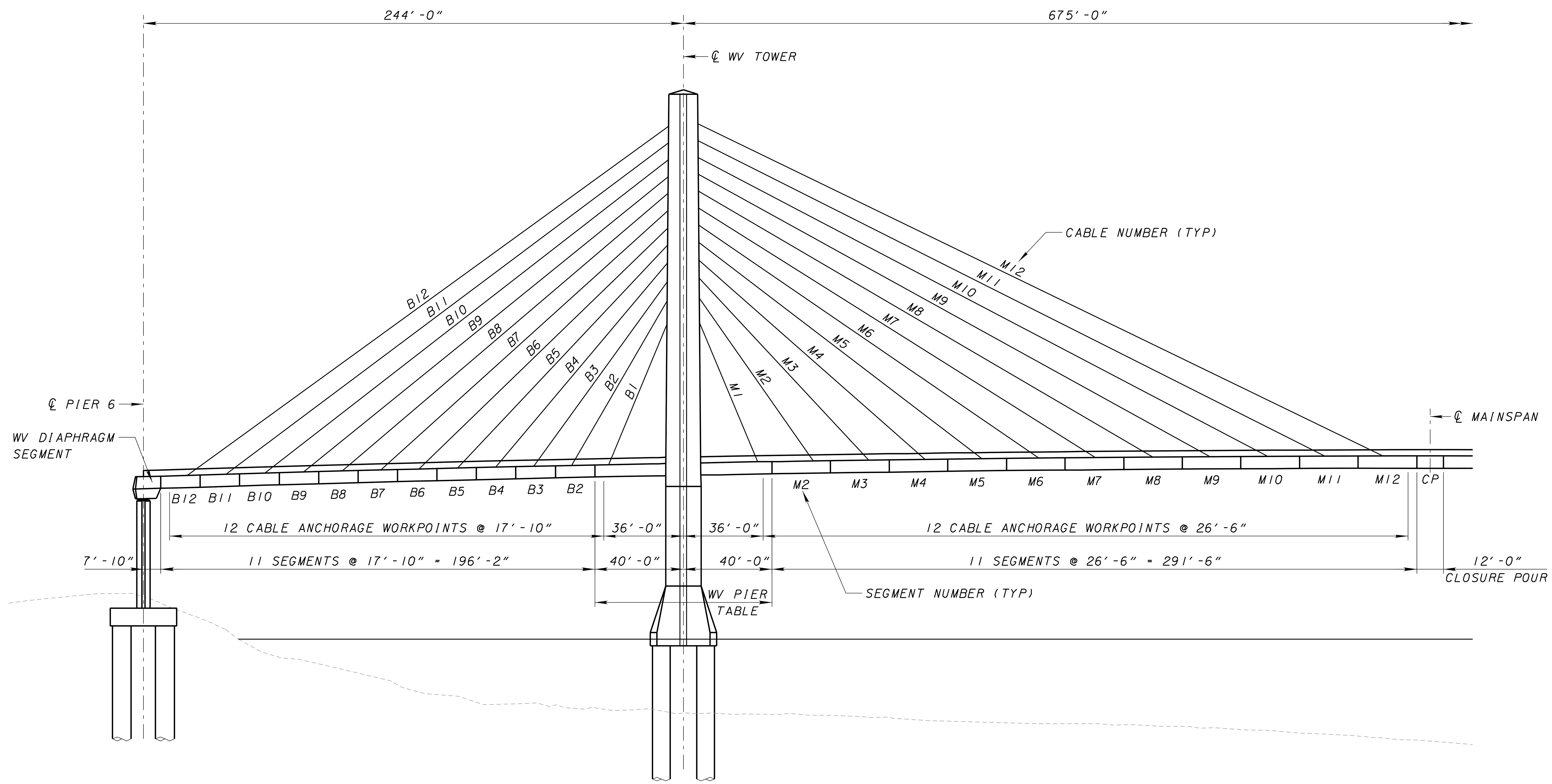


DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

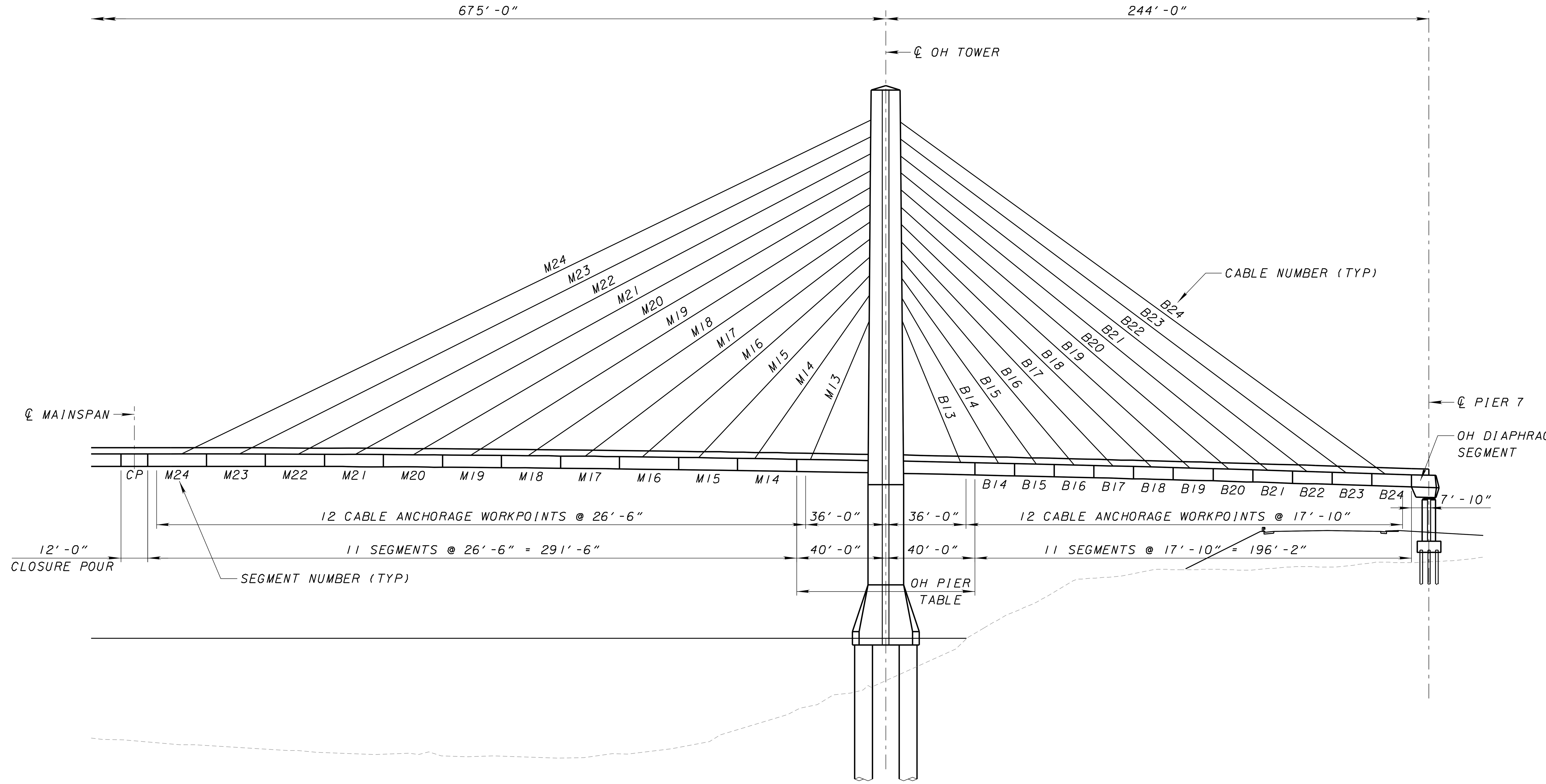
DESIGNED	DRAWN	REVIEWED	DATE
DLJ	KAC	SLS	8-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
MWL		5300916 OH 10385 WV	

CABLE AND SEGMENT DESIGNATION (1)

BRIDGE NO. MEG-33-1570

POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70



DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
DLJ	KAC	SLS	8-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
MWL		5300916 OH 10385 WV	

CABLE AND SEGMENT DESIGNATION (2)

BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

90/243

420/582

5/16/2006 7:27:40 AM

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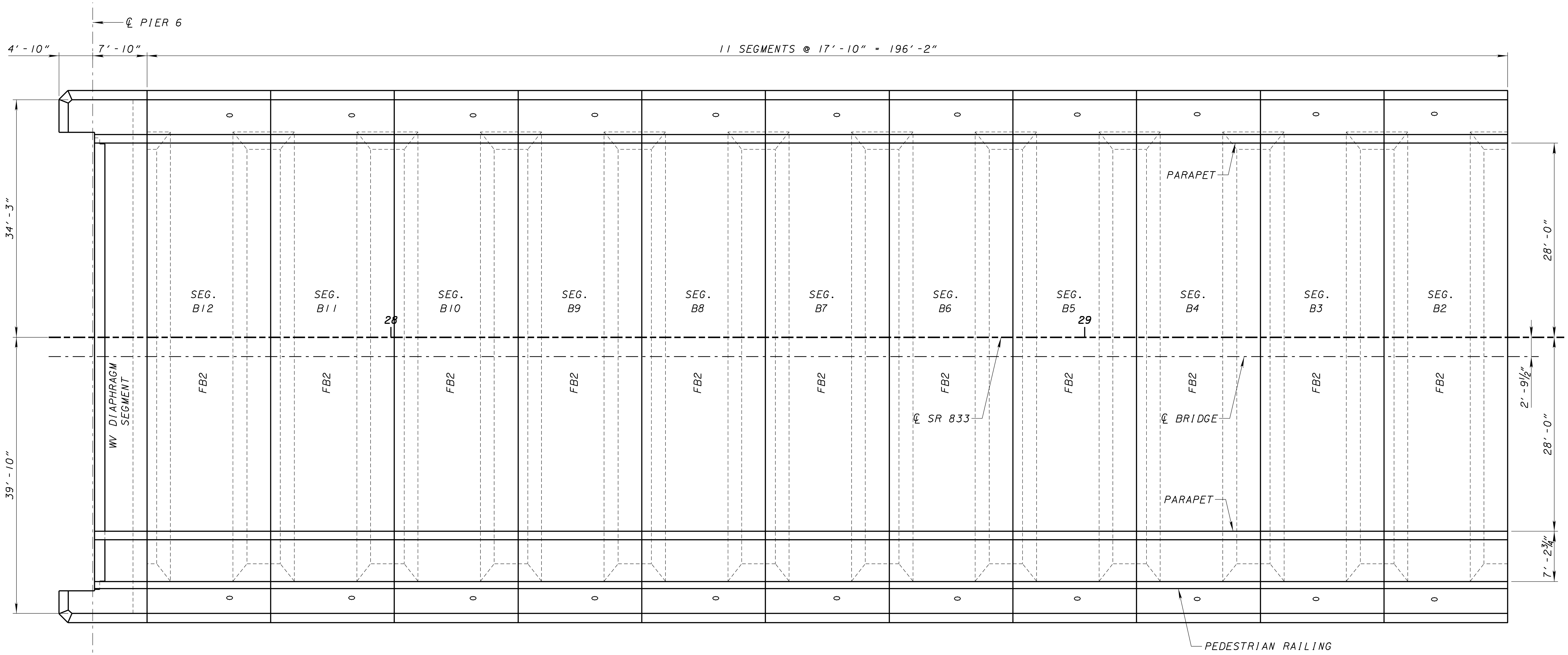
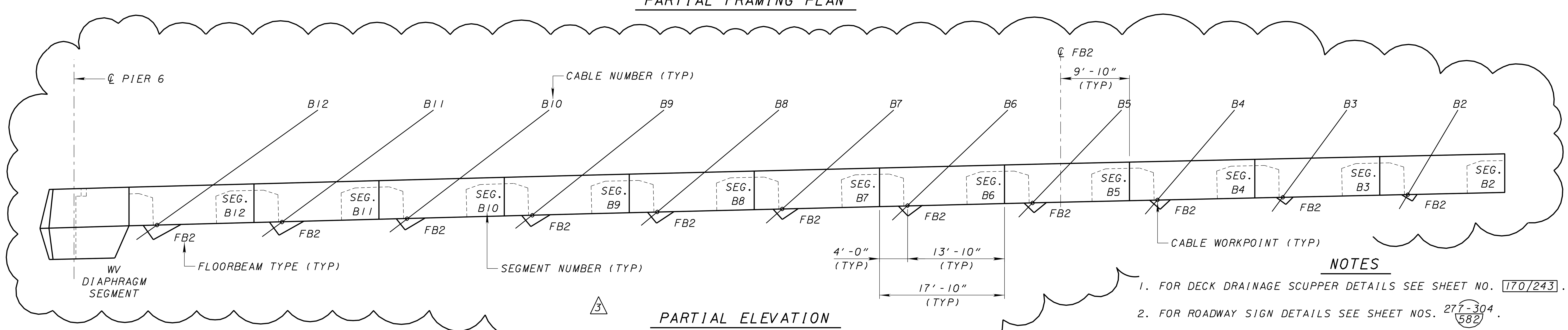
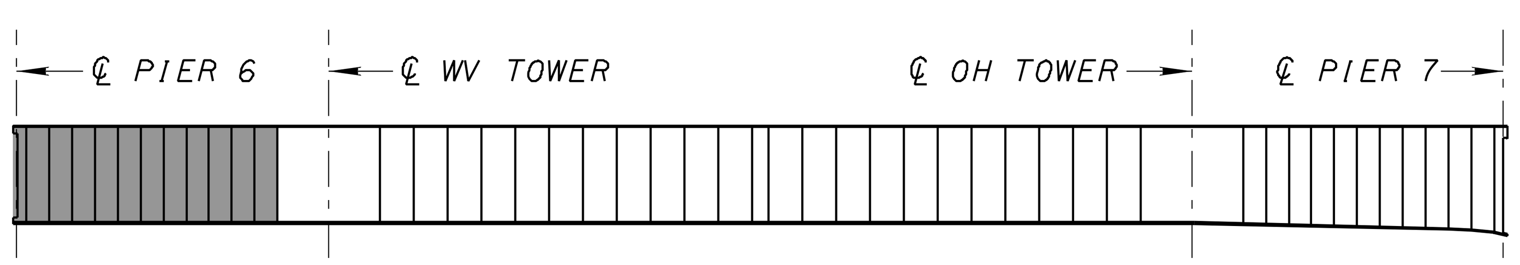


PARTIAL FRAMING PLAN



PARTIAL ELEVATION



KEY PLAN

NOTES

1. FOR DECK DRAINAGE SCUPPER DETAILS SEE SHEET NO. 170/243.
2. FOR ROADWAY SIGN DETAILS SEE SHEET NOS. 277-304/582.
3. FOR LIGHTING PROTECTION DETAILS SEE SHEET NOS. 182-184/243.
4. FOR ROADWAY LIGHTING DETAILS SEE SHEET NOS. 313-321/582.
5. FOR NAVIGATION LIGHTING DETAILS SEE SHEET NO. 188/243.
6. FOR AVIATION LIGHTING DETAILS SEE SHEET NOS. 182, 190 & 191/243.
7. FOR AESTHETIC LIGHTING DETAILS SEE SHEET NOS. 189-197/243.
8. FOR UTILITY DETAILS SEE SHEET NOS. 185-187/243.

NUMBER	REVISION	DATE	BY
3	ADDED MISSING DIMENSIONS & CALLOUTS	12-03	DLJ

DESIGN AGENCY: BRW HAZELET & ERDAL, A URS COMPANY, (513) 651-3440, 36 EAST 7TH STREET, SUITE 2300, CINCINNATI, OHIO 45202

DESIGNED DLJ	DRAWN CER	REVIEWED SLS	DATE 8-02
CHECKED SH	REVISED	STRUCTURE FILE NUMBER 5300916 OH / 10385 WV	

FRAMING PLAN AND ELEVATION (1)

BRIDGE NO. MEG-33-1570

POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

91/243

421/582

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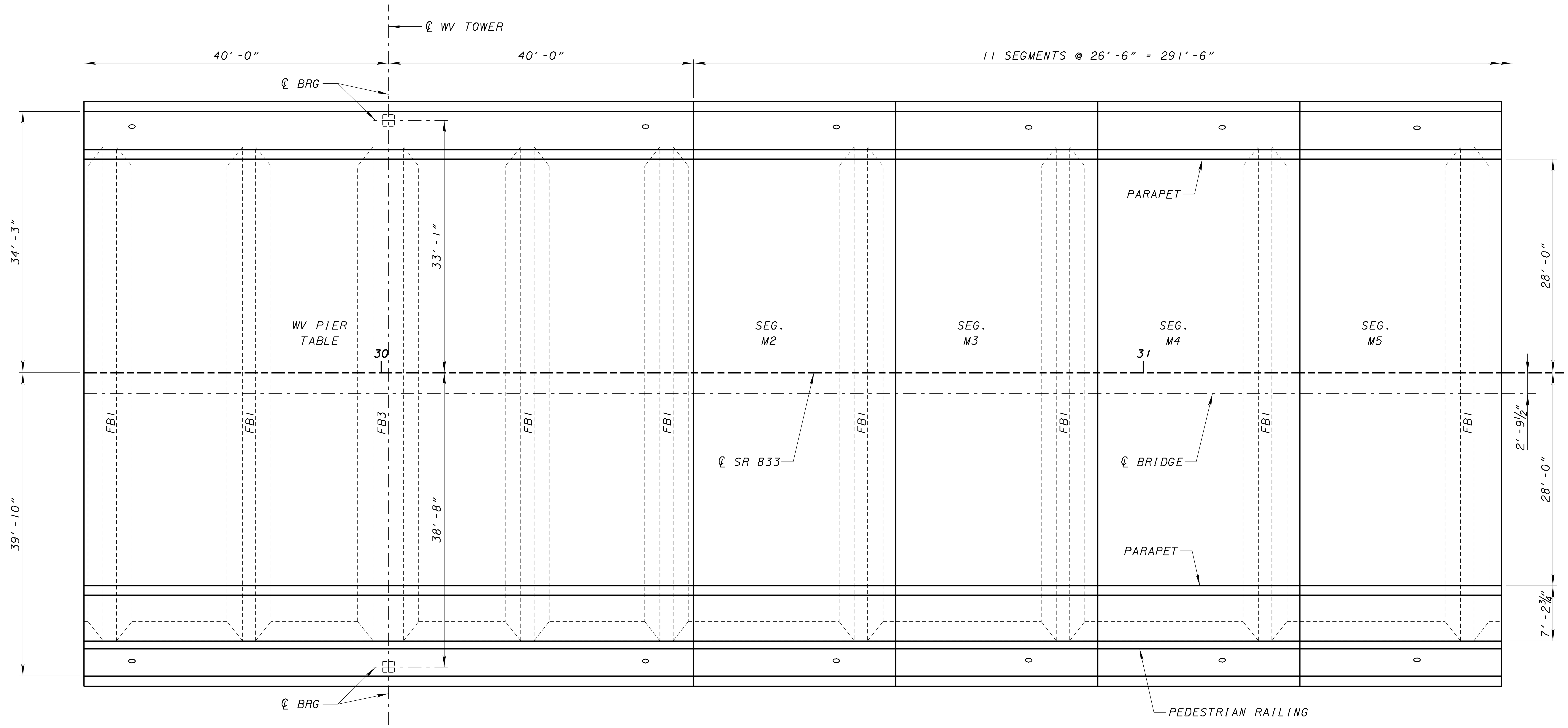
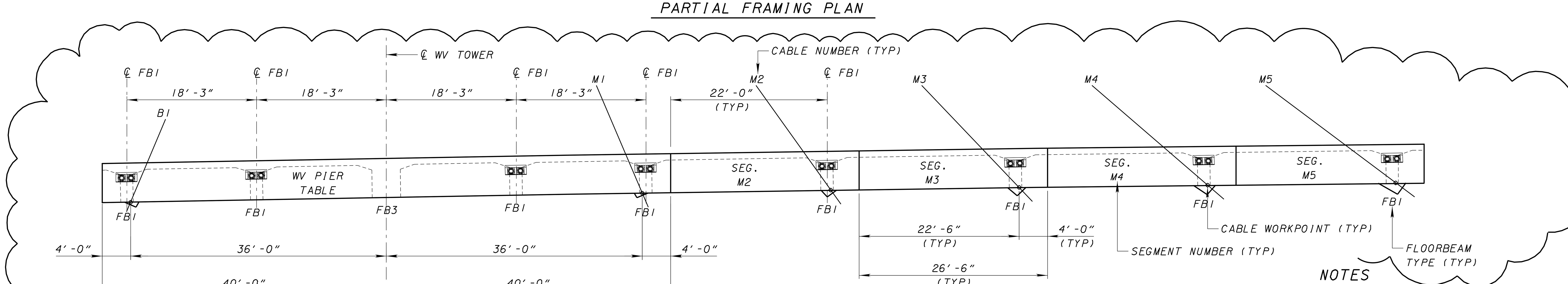
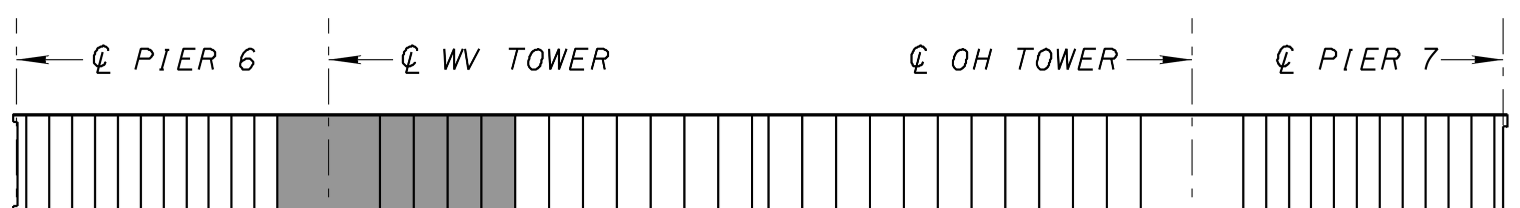


PARTIAL FRAMING PLAN



3 PARTIAL ELEVATION



KEY PLAN

NOTES

1. FOR DECK DRAINAGE SCUPPER DETAILS SEE SHEET NO. 170/243.
2. FOR ROADWAY SIGN DETAILS SEE SHEET NOS. 277-304/582.
3. FOR LIGHTING PROTECTION DETAILS SEE SHEET NOS. 182-184/243.
4. FOR ROADWAY LIGHTING DETAILS SEE SHEET NOS. 313-321/582.
5. FOR NAVIGATION LIGHTING DETAILS SEE SHEET NO. 188/243.
6. FOR AVIATION LIGHTING DETAILS SEE SHEET NOS. 188/243.
7. FOR AESTHETIC LIGHTING DETAILS SEE SHEET NOS. 189-197/243.
8. FOR UTILITY DETAILS SEE SHEET NOS. 185-187/243.

NUMBER	REVISION	DATE	BY
3	ADDED MISSING DIMENSIONS & CALLOUTS	12-03	DLJ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
DLJ	CER	SLS	8-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
SH		5300916 OH 10385 WV	

FRAMING PLAN AND ELEVATION (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

92/243

422/582

5/16/2006 7:27:41 AM

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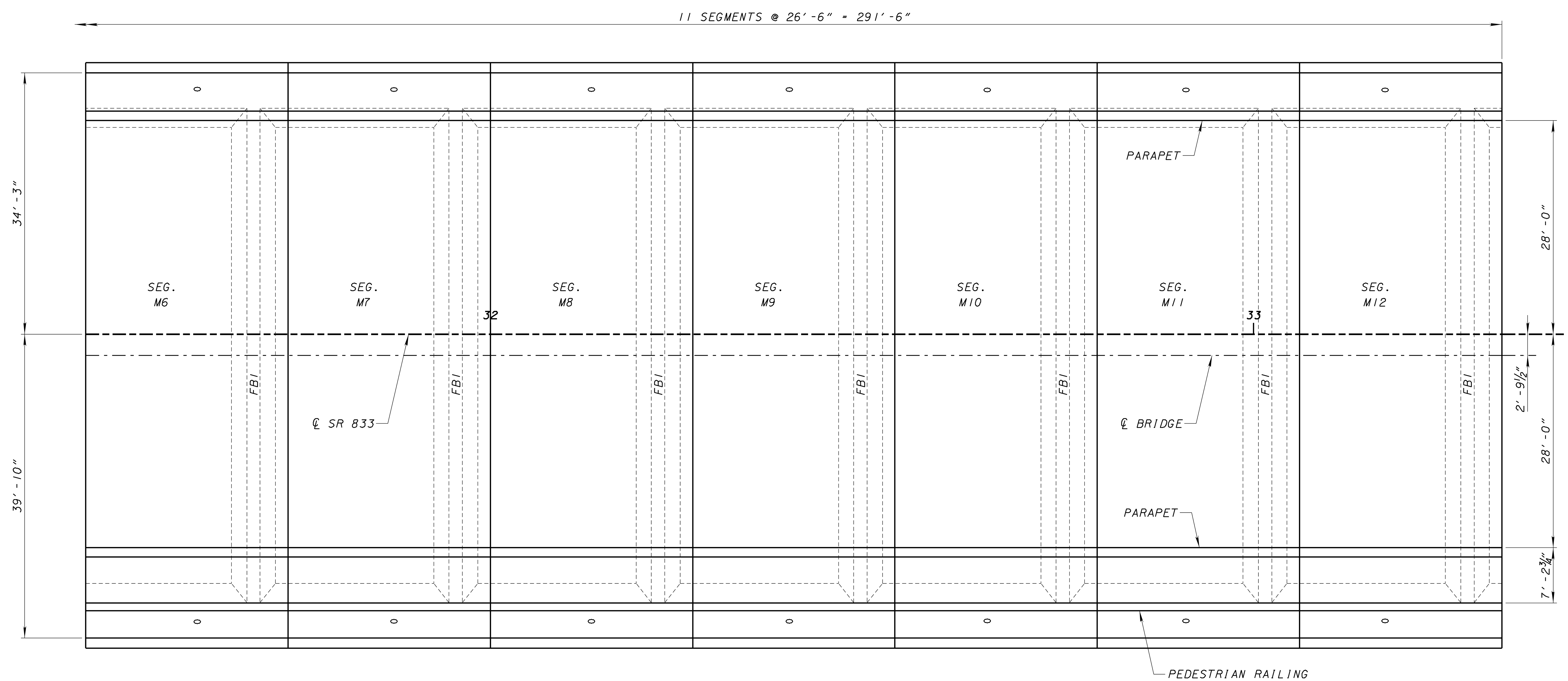
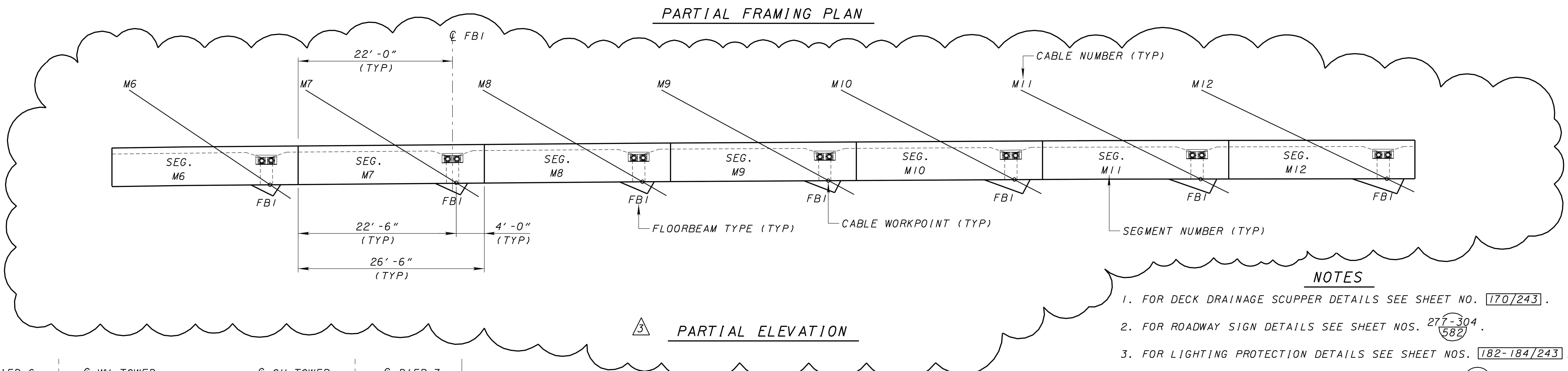
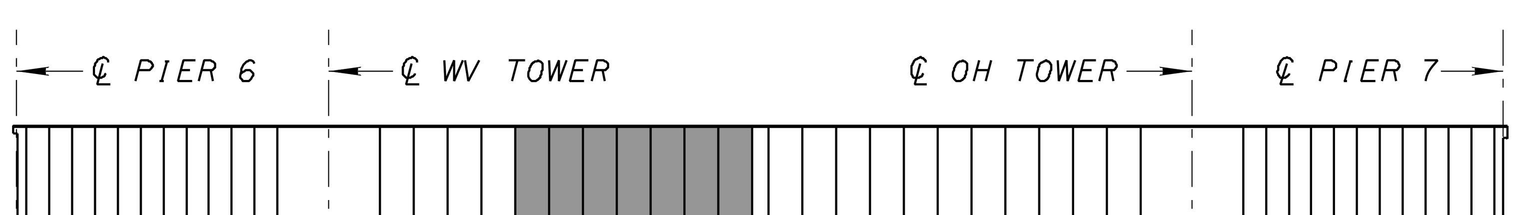


PARTIAL FRAMING PLAN



3 PARTIAL ELEVATION



KEY PLAN

NOTES

1. FOR DECK DRAINAGE SCUPPER DETAILS SEE SHEET NO. 170/243.
2. FOR ROADWAY SIGN DETAILS SEE SHEET NOS. 277-304/582.
3. FOR LIGHTING PROTECTION DETAILS SEE SHEET NOS. 182-184/243.
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6. FOR AVIATION LIGHTING DETAILS SEE SHEET NOS. 188/243.
7. FOR AESTHETIC LIGHTING DETAILS SEE SHEET NOS. 189-197/243.
8. FOR UTILITY DETAILS SEE SHEET NOS. 185-187/243.

NUMBER	REVISION	DATE:	BY:
3	ADDED MISSING DIMENSIONS & CALLOUTS	12-03	DLJ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
DLJ	CER	SLS	8-02
CHECKED SH	REVISED	STRUCTURE FILE NUMBER 5300916 OH 10385 WV	

FRAMING PLAN AND ELEVATION (3)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

93/243

423/582

5/16/2006 7:27:41 AM

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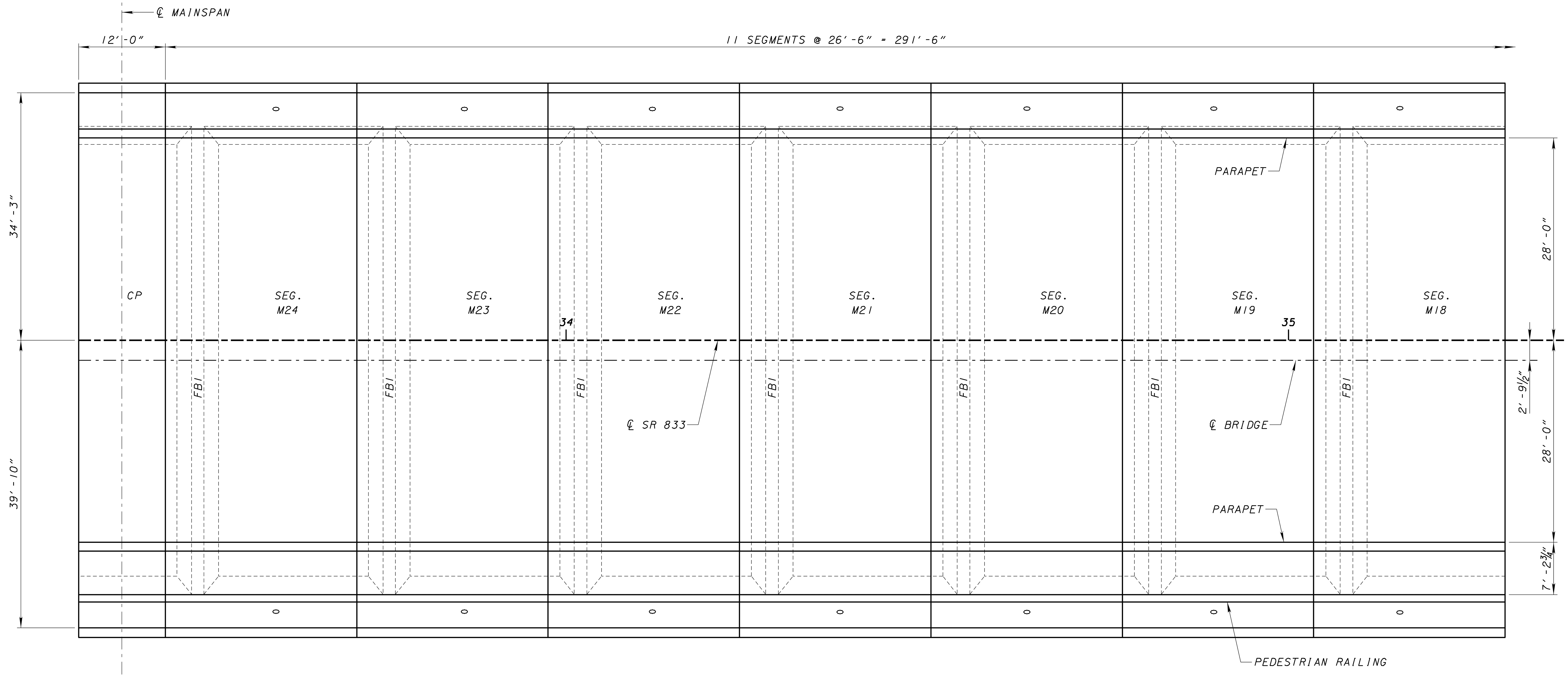

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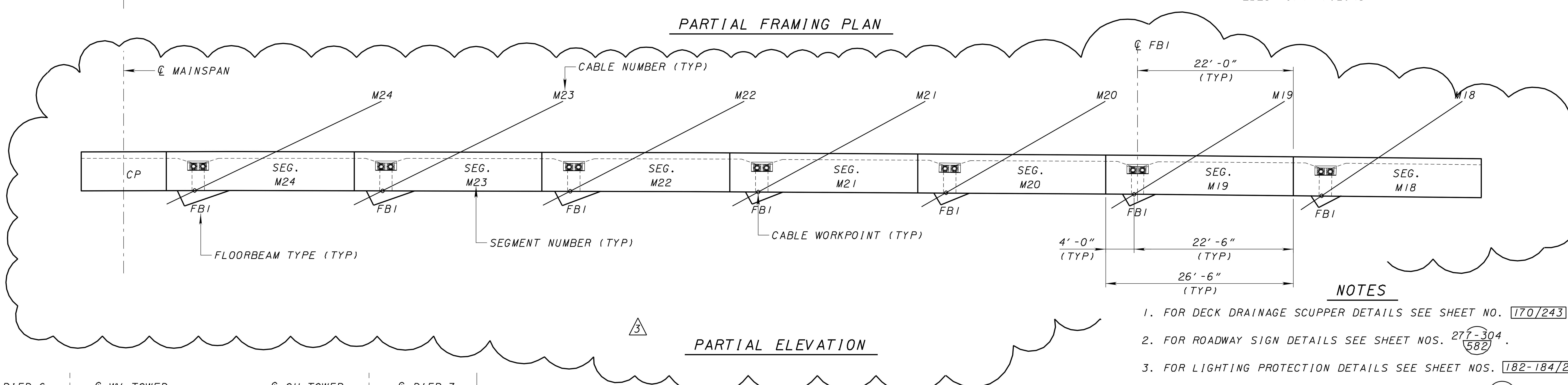
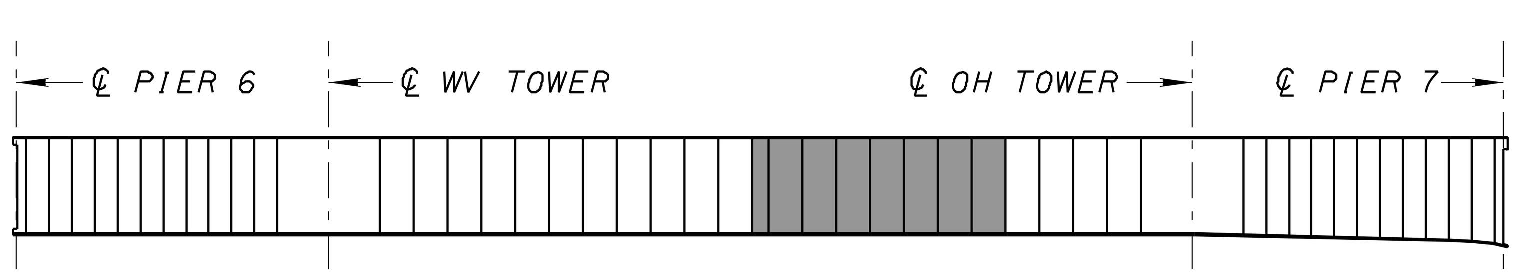


PARTIAL ELEVATION



KEY PLAN

NOTES

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8. FOR UTILITY DETAILS SEE SHEET NOS. 185-187/243.

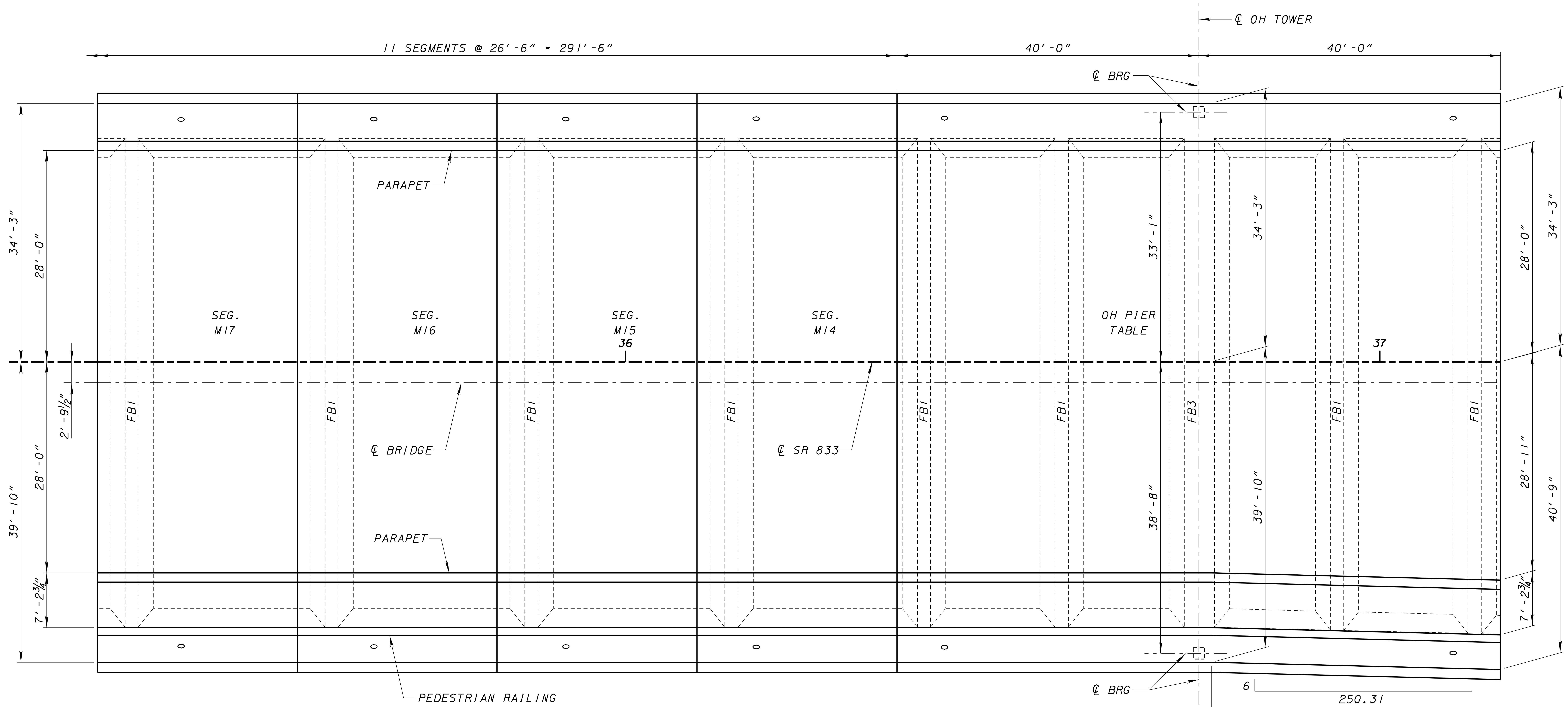
NUMBER	REVISION	DATE:	BY:
3	ADDED MISSING DIMENSIONS & CALLOUTS	12-03	DLJ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

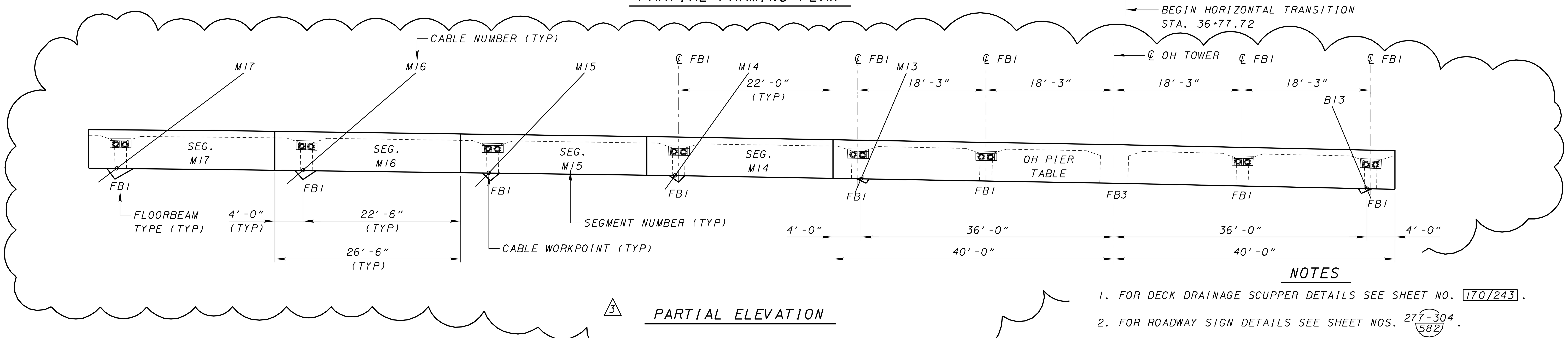
DESIGNED DLJ	DRAWN CER	REVIEWED SLS	DATE 8-02
CHECKED SH	REVISED	STRUCTURE FILE NUMBER 5300916 OH 10385 WV	

FRAMING PLAN AND ELEVATION (4)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

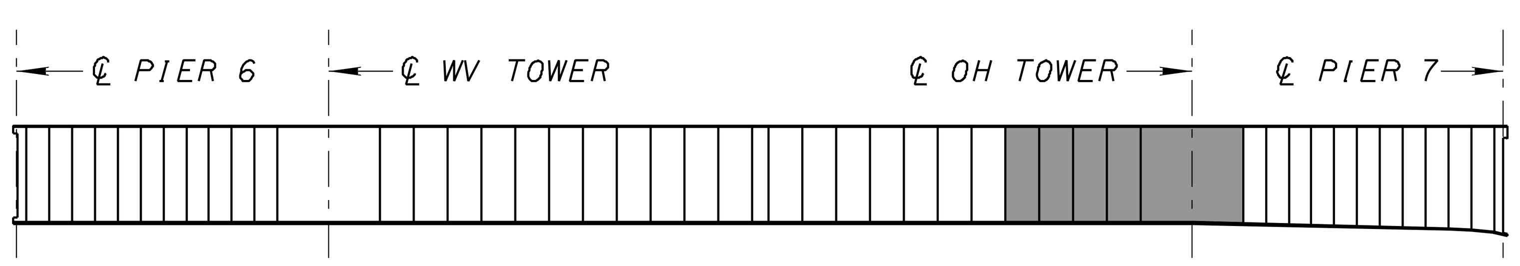
MEG-33-15.70



PARTIAL FRAMING PLAN



3 PARTIAL ELEVATION



KEY PLAN

NOTES

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5. FOR NAVIGATION LIGHTING DETAILS SEE SHEET NO. 188/243.
6. FOR AVIATION LIGHTING DETAILS SEE SHEET NOS. 188/243.
7. FOR AESTHETIC LIGHTING DETAILS SEE SHEET NOS. 189-197 243.
8. FOR UTILITY DETAILS SEE SHEET NOS. 185-187/243.

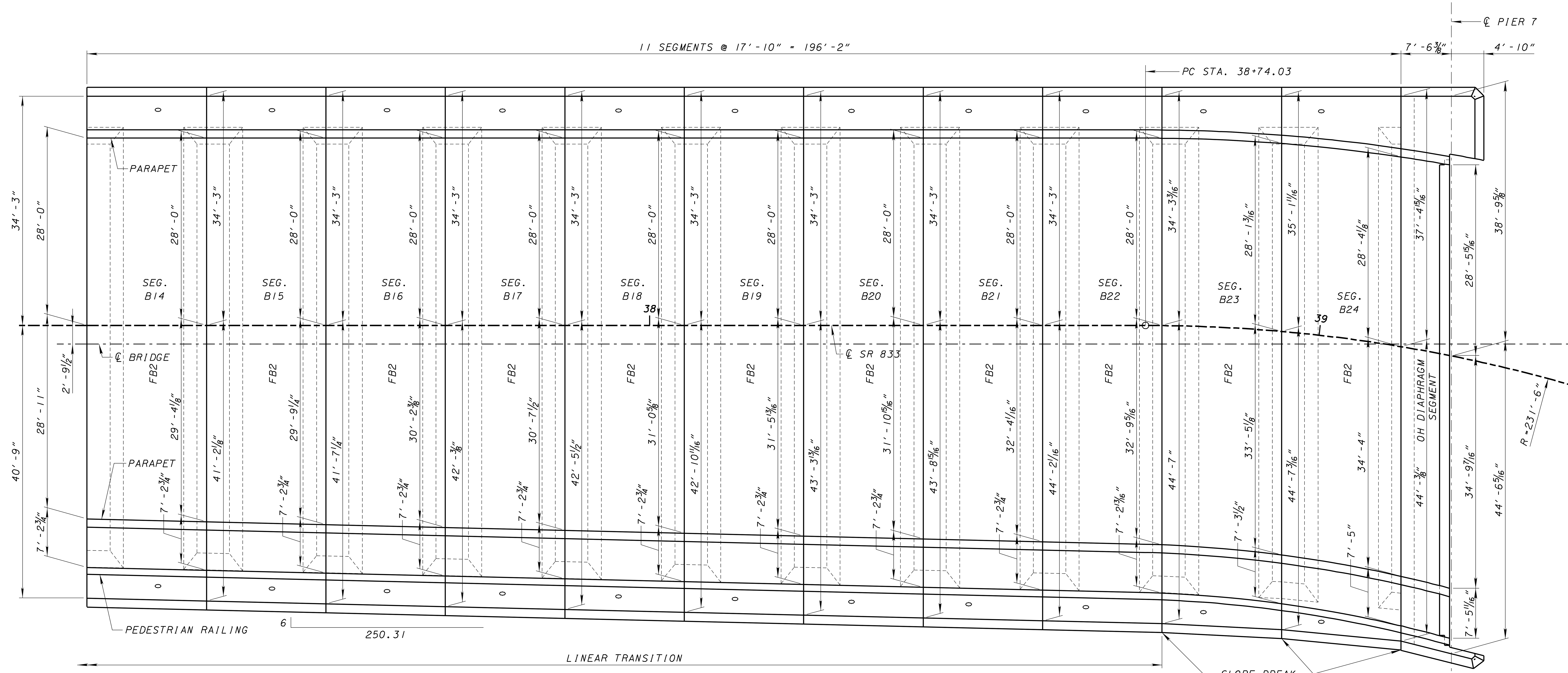
NUMBER	REVISION	DATE	BY
3	ADDED MISSING DIMENSIONS & CALLOUTS	12-03	DLJ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

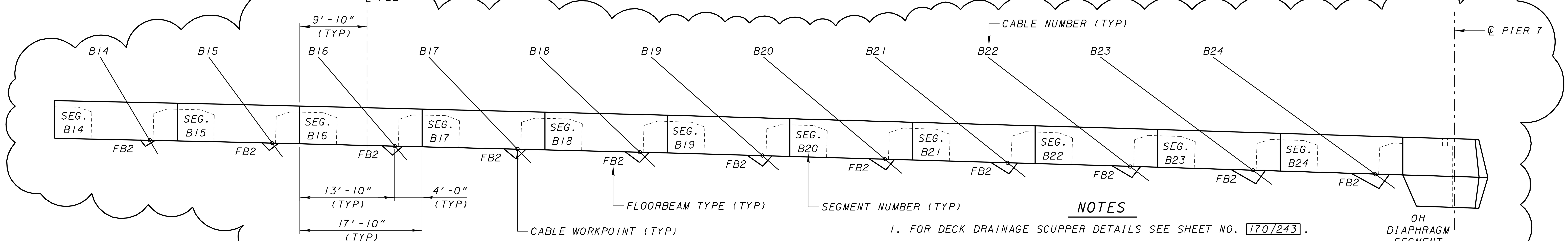
DESIGNED DLJ	DRAWN CER	REVIEWED SLS	DATE 8-02
CHECKED SH	REVISED	STRUCTURE FILE NUMBER 5300916 OH 10385 WV	

FRAMING PLAN AND ELEVATION (5)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70



PARTIAL FRAMING PLAN



PARTIAL ELEVATION

NOTES

1. FOR DECK DRAINAGE SCUPPER DETAILS SEE SHEET NO. 170/243.
2. FOR ROADWAY SIGN DETAILS SEE SHEET NOS. 277-304/582.
3. FOR LIGHTING PROTECTION DETAILS SEE SHEET NOS. 182-184/243.
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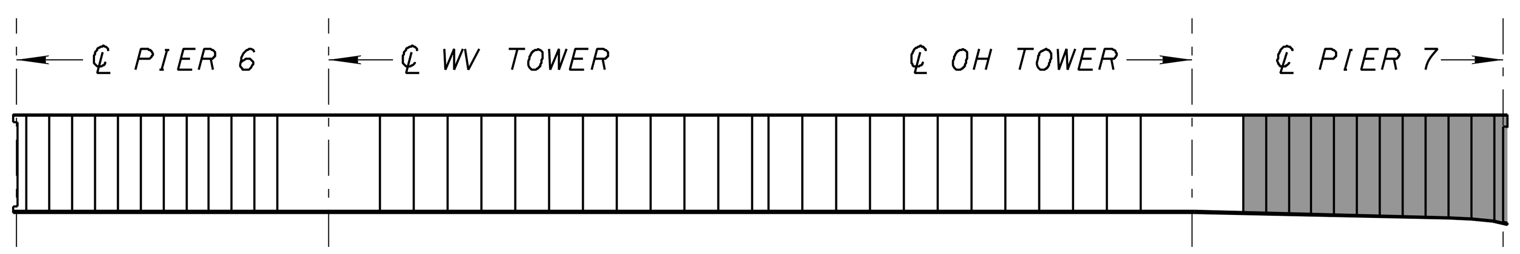

KEY PLAN

NUMBER	REVISION	DATE	BY
3	ADDED MISSING DIMENSIONS & CALLOUTS	12-03	DLJ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED DLJ | CHECKED SH | DRAWN CER | REVISED | REVIEWED SLS | DATE 8-02 | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

FRAMING PLAN AND ELEVATION (6)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

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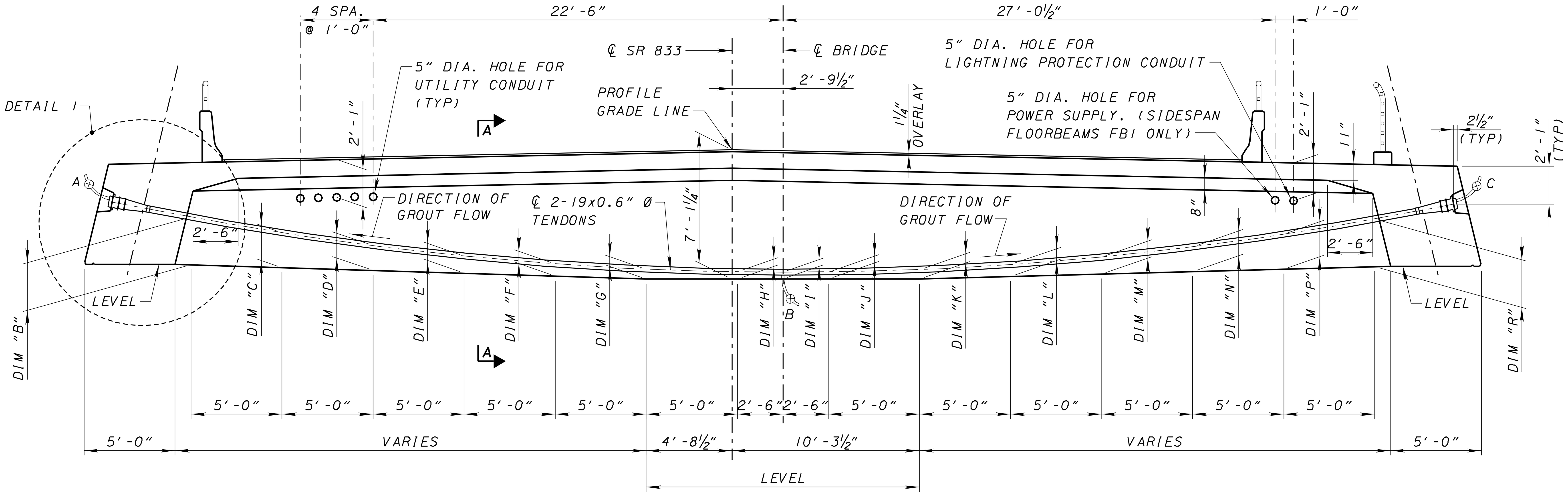
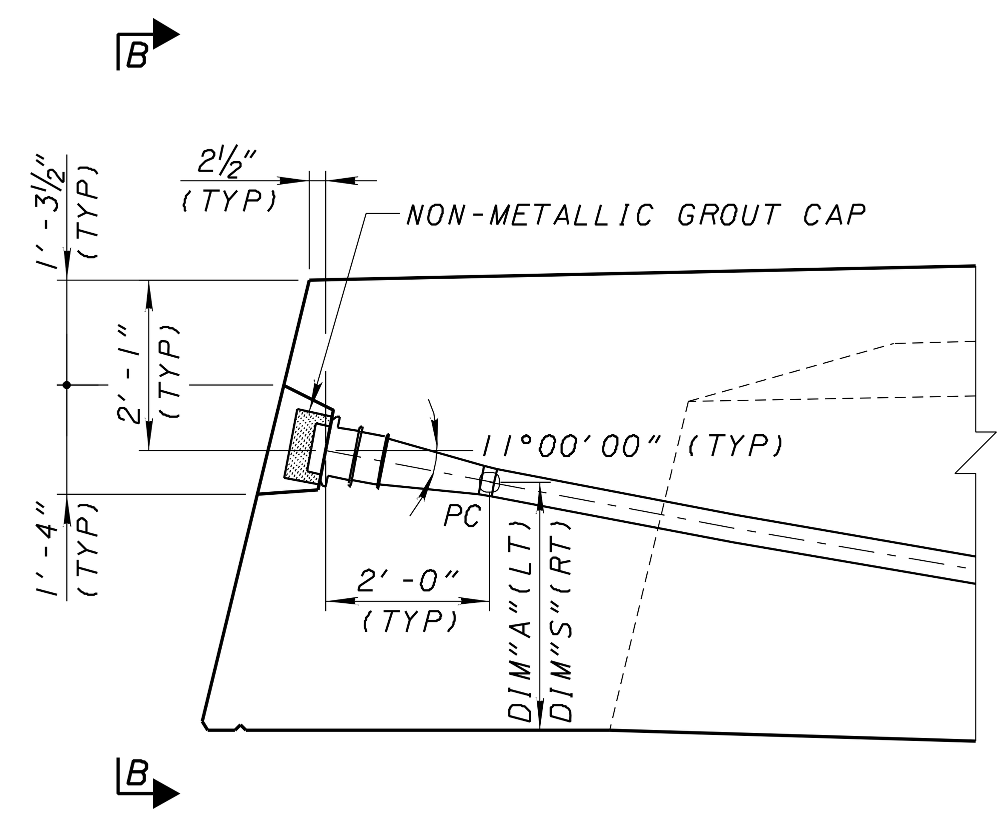


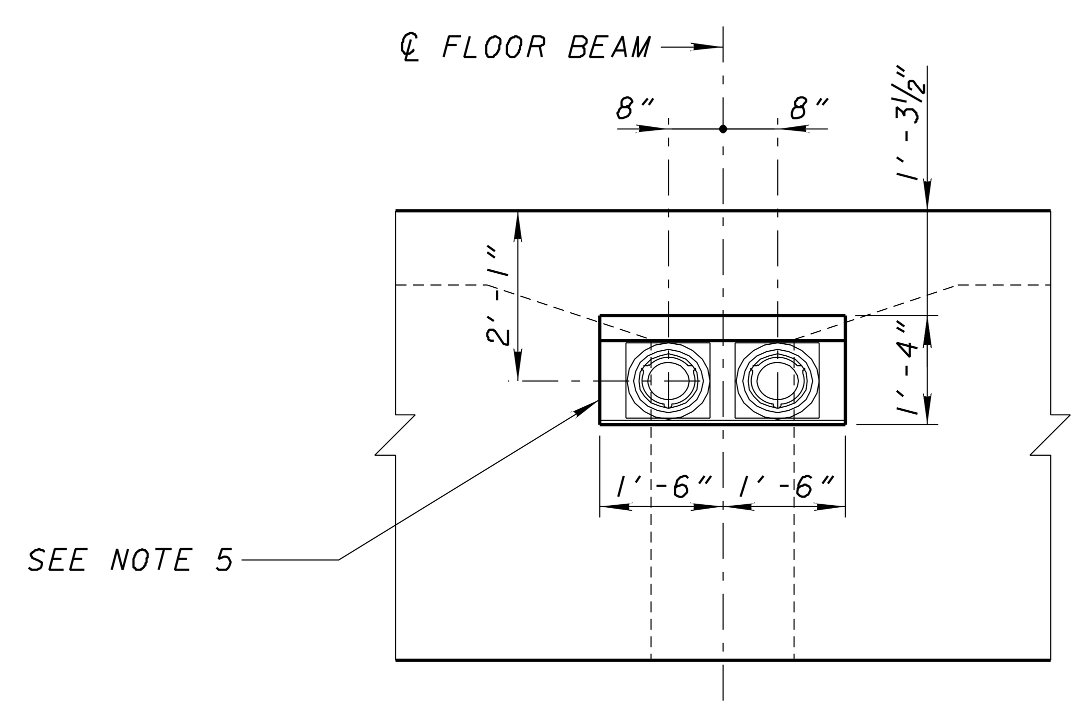
FLOOR BEAM TYPE FB1

NOTES:

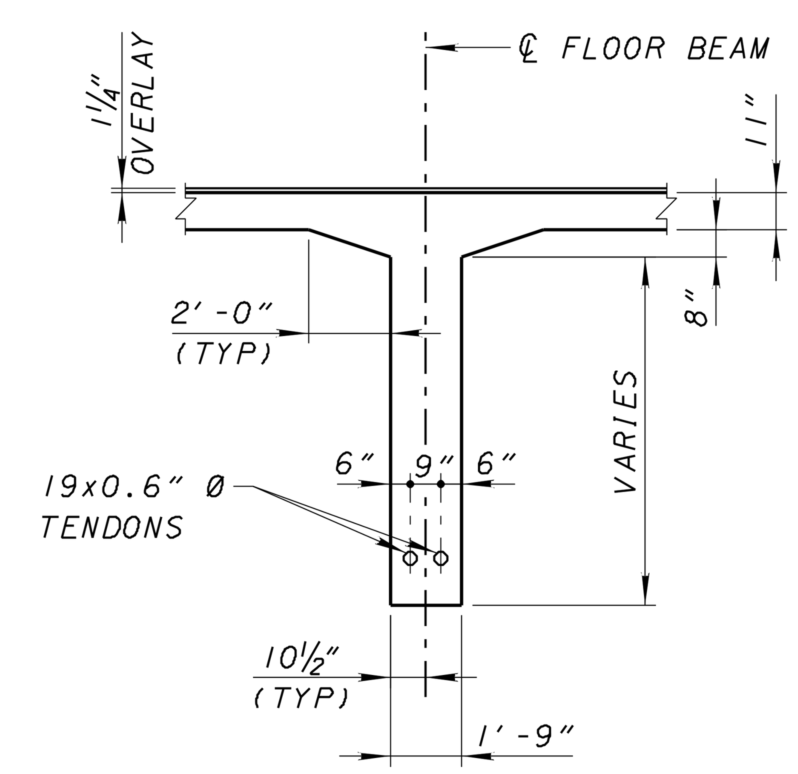
1. TRANSVERSE TENDONS IN FLOOR BEAM SHALL BE 19x0.6" Ø STRAND, LOW RELAXATION, GRADE 270ksi AND SHALL BE JACKED TO 890kips.
2. FOR POST-TENSIONING ANCHORAGE RECESS REINFORCEMENT SEE EDGE GIRDER REINFORCEMENT DRAWINGS.
3. TRANSVERSE TENDONS SHALL NOT BE STRESSED UNTIL CONCRETE ATTAINS A MINIMUM STRENGTH OF 3500psi.
4. ALL FLOOR BEAM TENDONS MAY BE SINGLE END STRESSED. JACKING END FOR TENDONS DOES NOT NEED TO BE STAGGERED.
5. WITHIN 7 DAYS UPON COMPLETION OF THE TENDON GROUTING, PROTECT THE ANCHORAGE TERMINI OF POST-TENSIONING TENDONS AND GROUT INLET/OUTLET AS INDICATED IN THE SPECIAL PROVISIONS. USE A FACTORY PREPROPORTIONED EPOXY GROUT MEETING THE REQUIREMENTS OF THE SPECIAL PROVISIONS. CLEAN THE AREAS TO BE GROUTED, CONSTRUCT, AND FILL ALL RECESSES IN ACCORDANCE WITH THE SPECIAL PROVISIONS.
6. TRANSVERSE PT SHALL BE FULLY STRESSED PRIOR TO RELEASING FORMS.



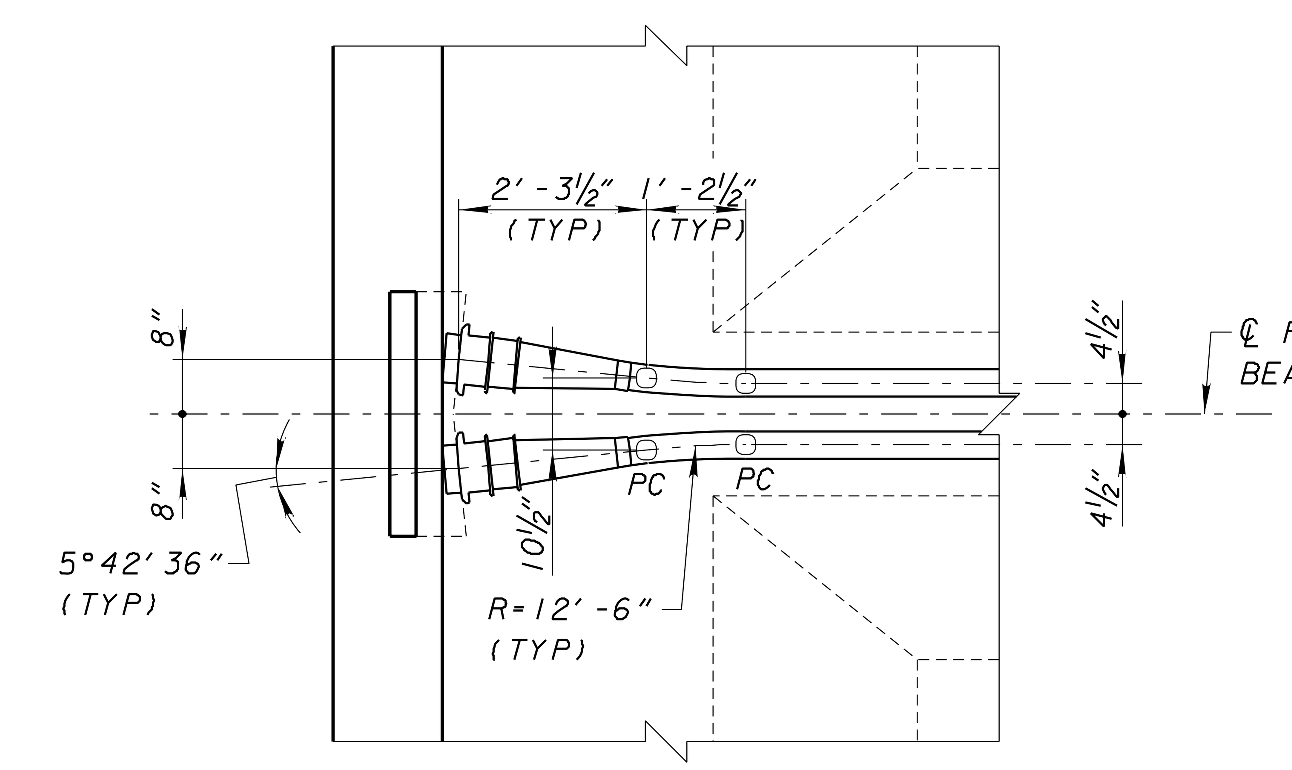
DETAIL 1



SECTION B-B



SECTION A-A



PLAN VIEW

GROUTING NOTES:

1. PROVIDE GROUT INJECTION PORT AND DRAIN AT TENDON LOW POINT "B".
2. PROVIDE GROUT OUTLET VENTS AT BOTH ANCHORAGES, POINTS "A" AND "C". VENTS SHALL BE LOCATED ON THE TOP OF THE ANCHORAGES.
3. ANCHORAGES SHALL BE PROTECTED BY A PERMANENT NON-METALLIC GROUT CAP, MECHANICALLY SECURED AND SEALED AGAINST THE ANCHOR PLATE WITH A COMPRESSIBLE NEOPRENE O-RING AND FULLY FILLED WITH GROUT. GROUT CAP SHALL HAVE 2" MINIMUM COVER.

CENTERLINE OF POST-TENSIONING DUCT LOCATIONS																	
FLOOR BEAM LOCATION	DIM "A"	DIM "B"	DIM "C"	DIM "D"	DIM "E"	DIM "F"	DIM "G"	DIM "H"	DIM "I"	DIM "J"	DIM "K"	DIM "L"	DIM "M"	DIM "N"	DIM "P"	DIM "R"	DIM "S"
STA. 29+65.50 TO 36+39.50	3'-0 5/16"	2'-7 3/8"	1'-11 1/8"	1'-4 1/2"	11 1/2"	8 1/8"	6 1/2"	4 3/4"	4 1/2"	4 11/16"	6 5/16"	8"	11 5/16"	1'-4 5/16"	1'-11"	2'-7 3/8"	3'-0 5/16"
STA. 36+57.75	3'-0 5/16"	2'-7 3/8"	1'-11 1/8"	1'-4 1/2"	11 1/2"	8 1/8"	6 1/2"	4 3/4"	4 1/2"	4 3/4"	6 3/8"	8"	11 5/16"	1'-4 5/16"	1'-11"	2'-7 3/8"	3'-0 5/16"
STA. 36+94.25	3'-0 5/16"	2'-7 1/2"	1'-11 9/16"	1'-5"	1'-0"	8 9/16"	6 15/16"	4 13/16"	4 1/2"	4 3/4"	6 1/2"	8 1/16"	11 1/4"	1'-4 1/8"	1'-10 5/8"	2'-6 3/4"	3'-0 5/16"
STA. 37+12.50	3'-0 5/16"	2'-7 1/2"	1'-11 13/16"	1'-5 3/8"	1'-0 5/16"	8 7/8"	7 1/4"	4 13/16"	4 1/2"	4 11/16"	6 7/16"	7 7/8"	10 15/16"	1'-3 11/16"	1'-10"	2'-5 15/16"	3'-0 5/16"

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED BP | CHECKED PS | DRAWN KAC | REVISED | REVIEWED SLS | DATE 8-02 | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

FLOOR BEAM FB1 DETAILS (1)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

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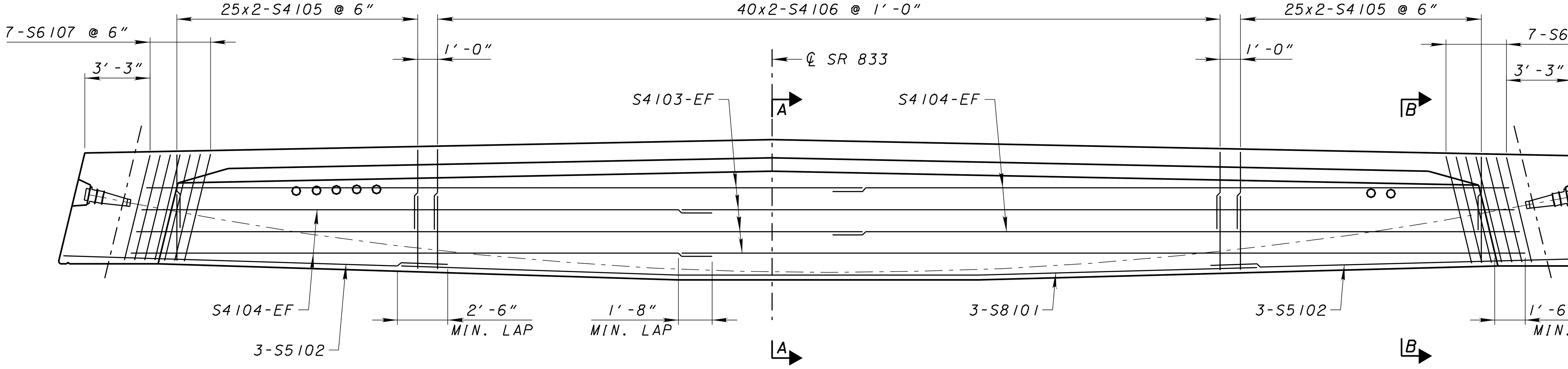
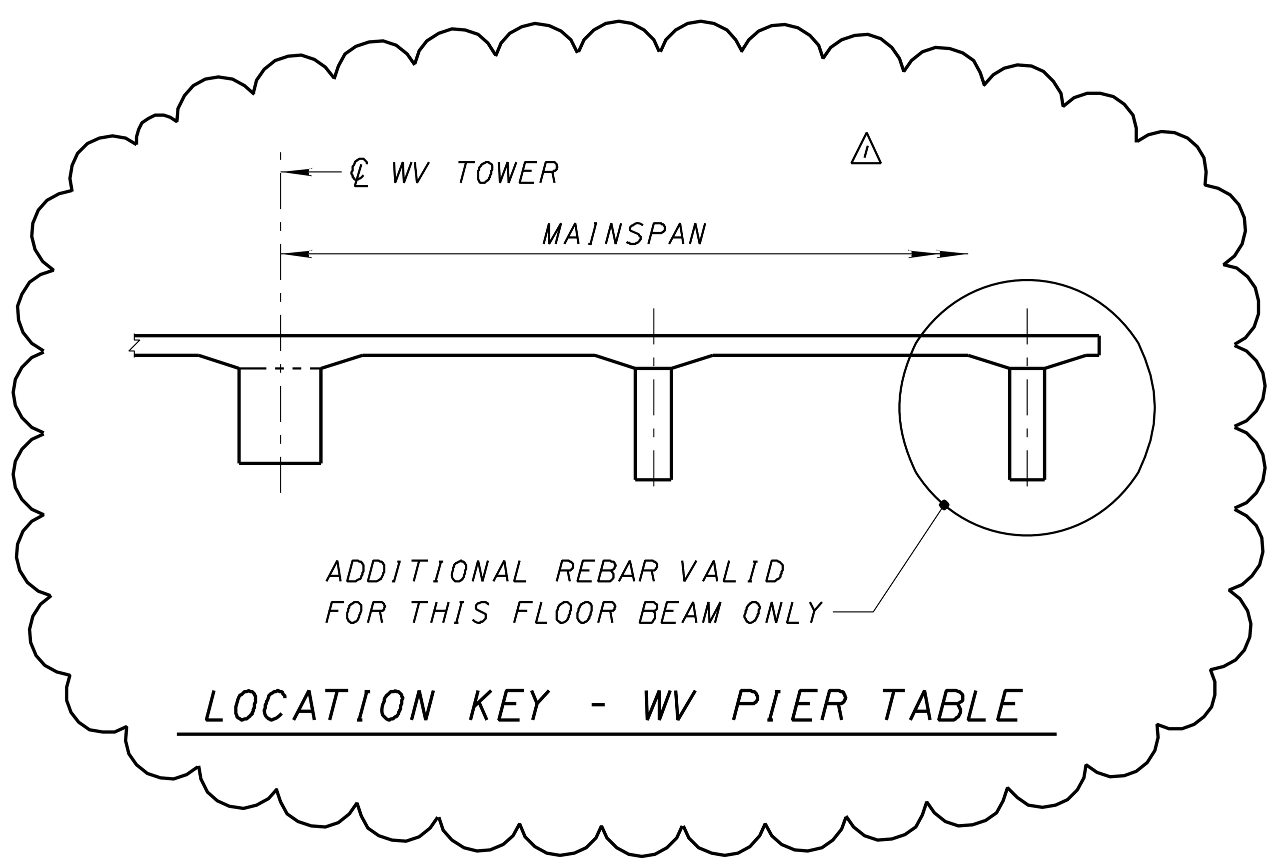
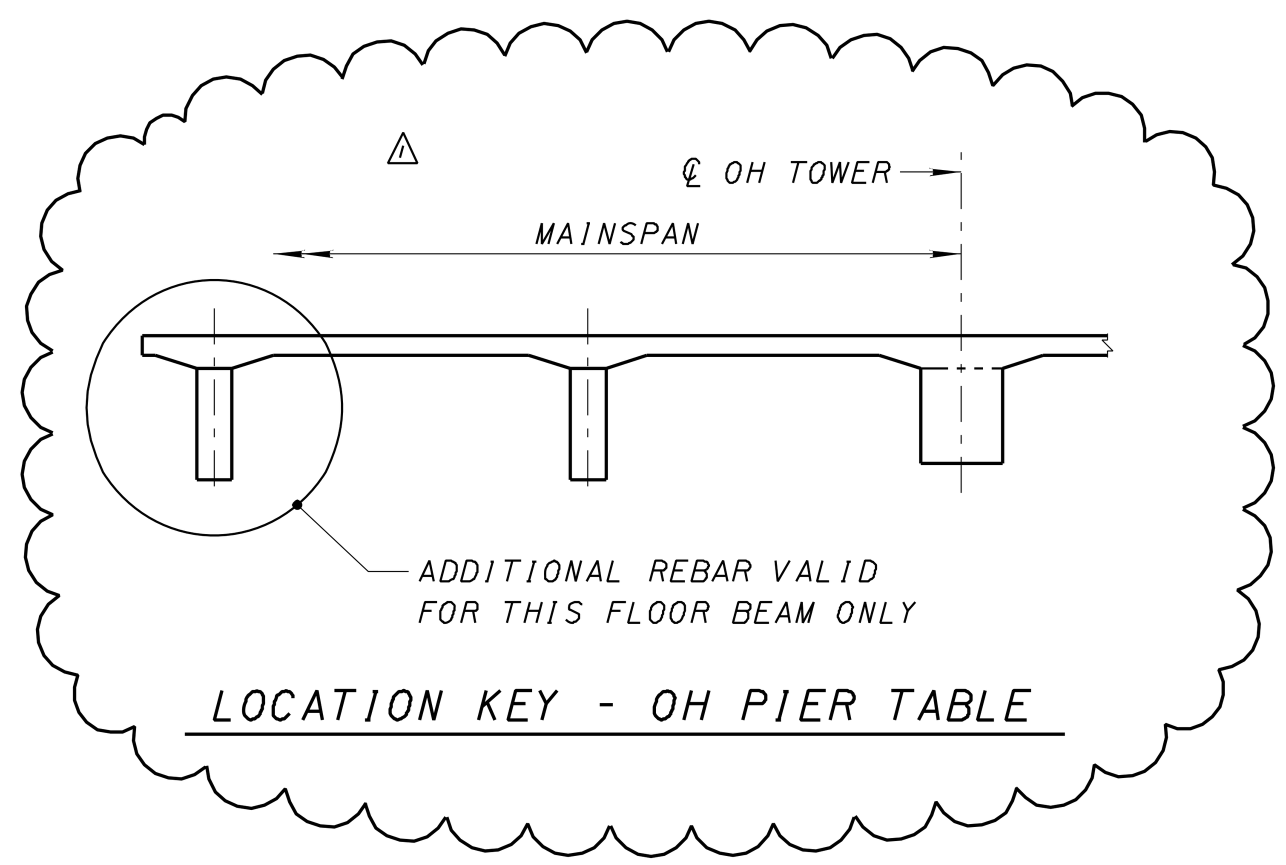


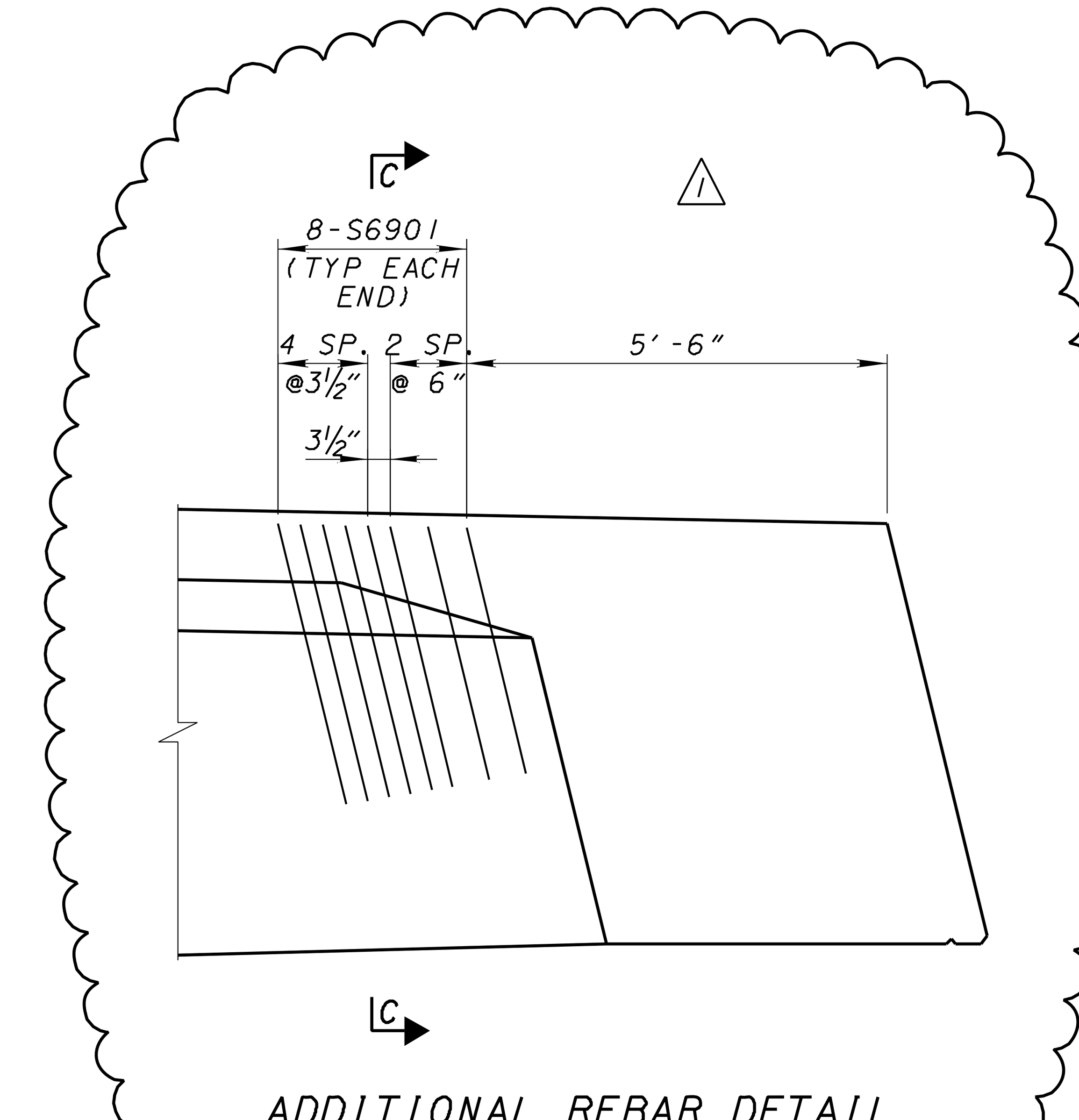
FLOOR BEAM TYPE FB1



LOCATION KEY - WV PIER TABLE

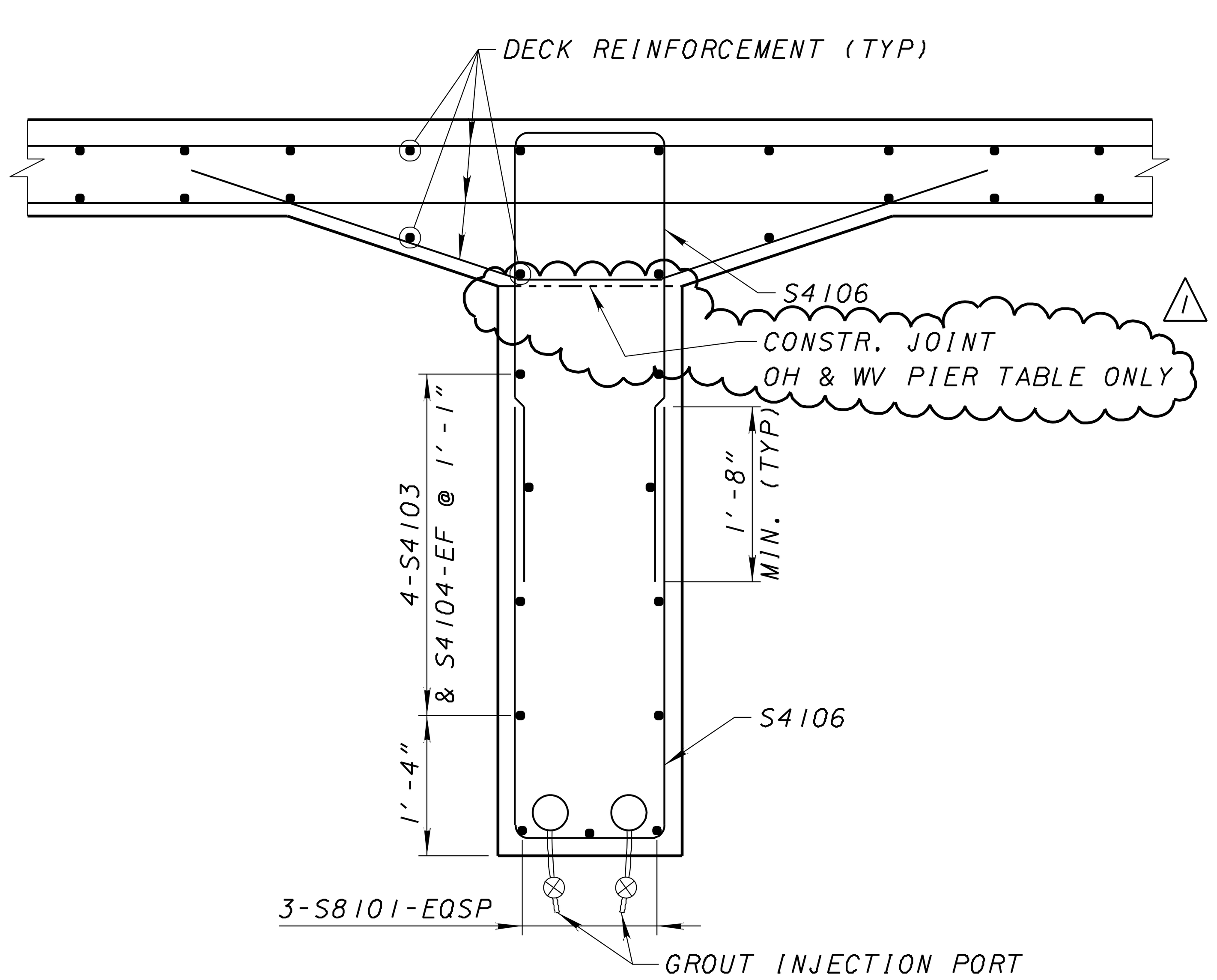


LOCATION KEY - OH PIER TABLE

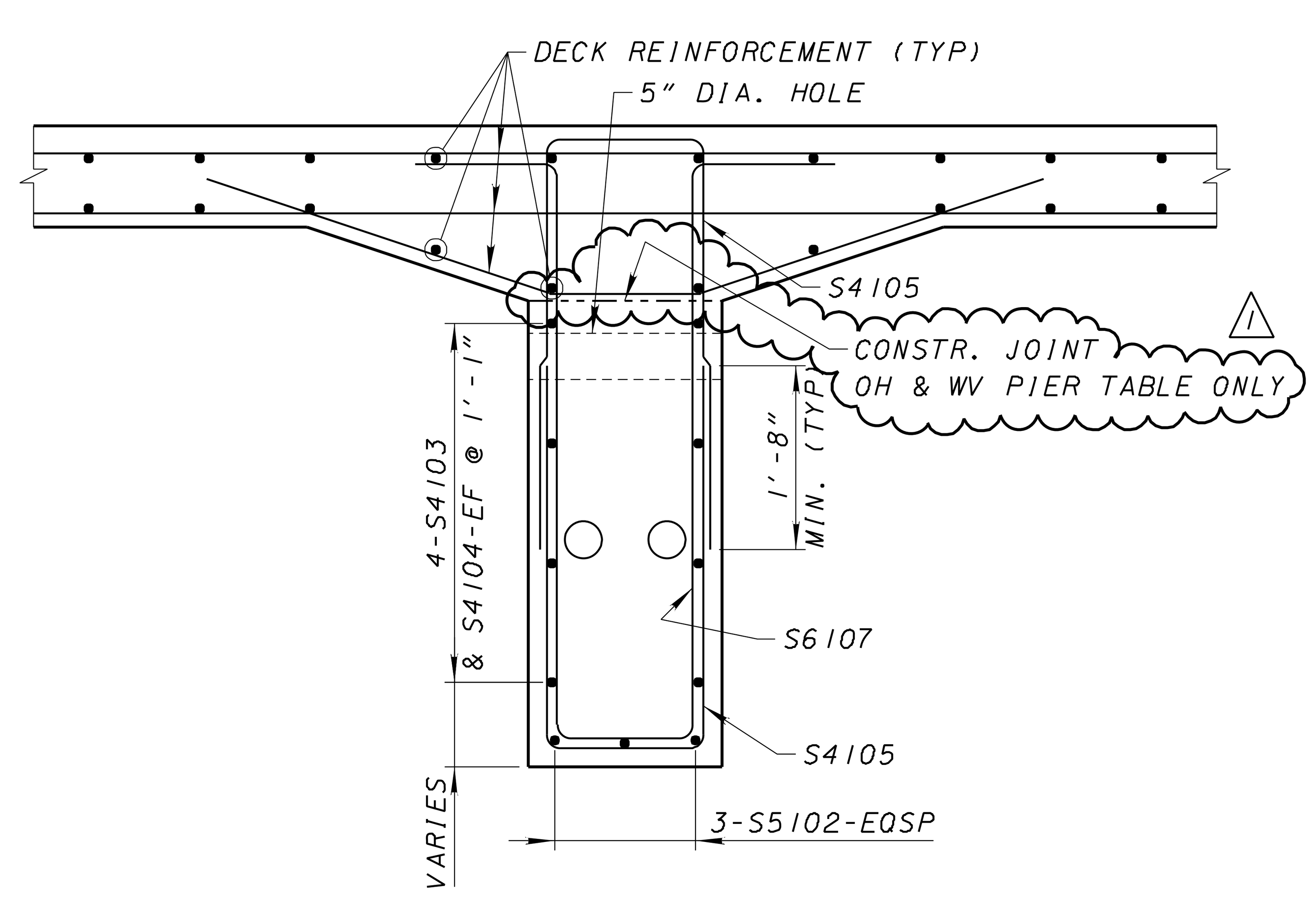


ADDITIONAL REBAR DETAIL

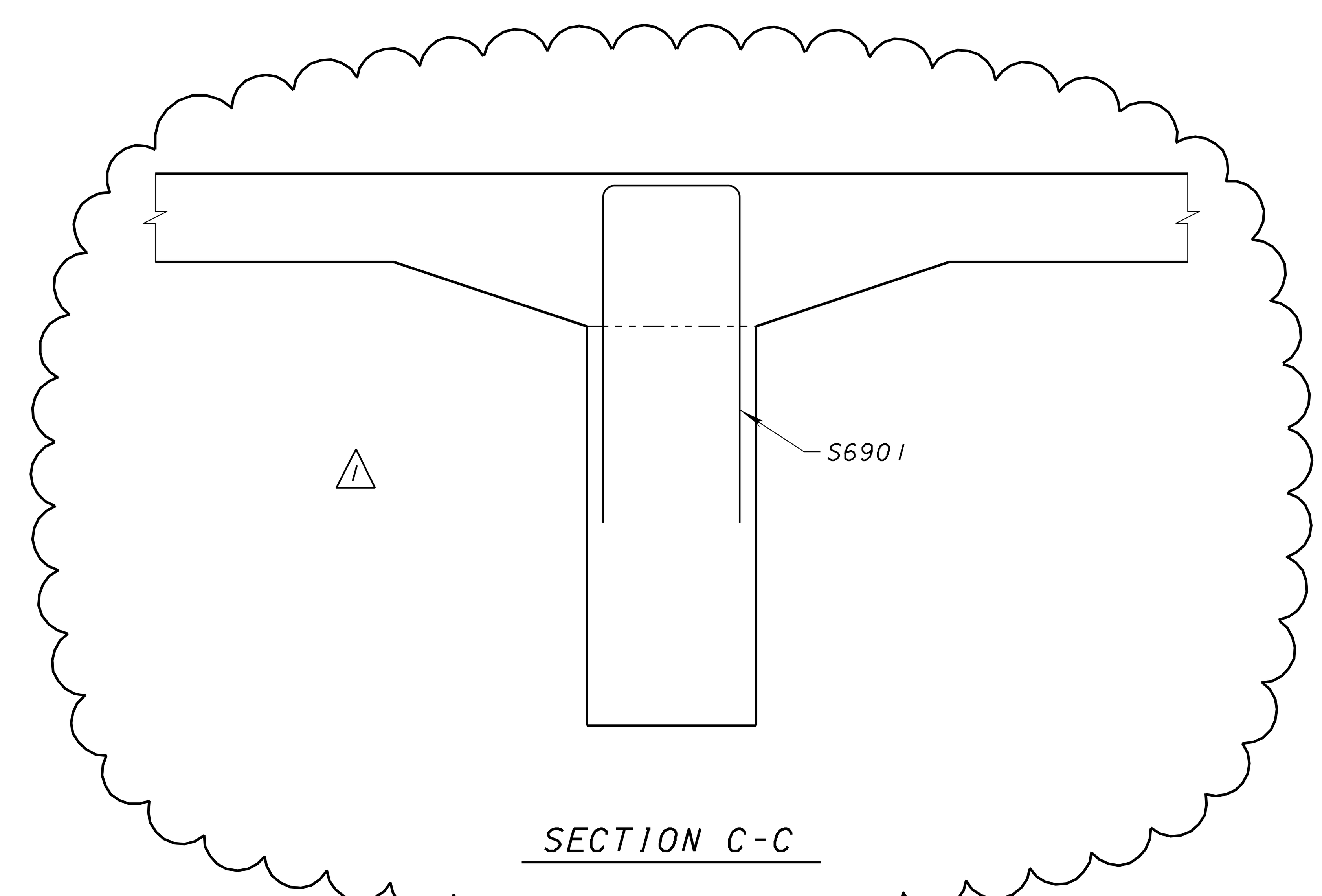
(SEGMENT M2 TO M24 & SEE LOCATION KEY)



SECTION A-A



SECTION B-B



SECTION C-C

NUMBER	REVISION	DATE:	BY:
1	AS-BUILT	6-09	DLJ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
BP	KAC	SLS	8-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
PS		5300916 OH 10385 WV	

FLOOR BEAM FB1 DETAILS (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

98/243

428/582

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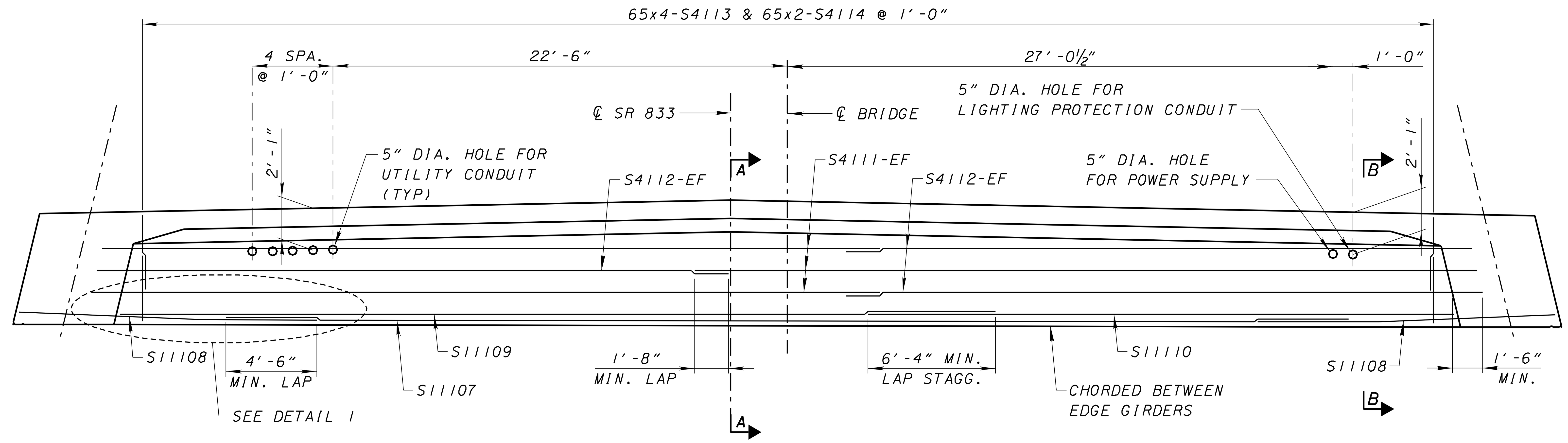
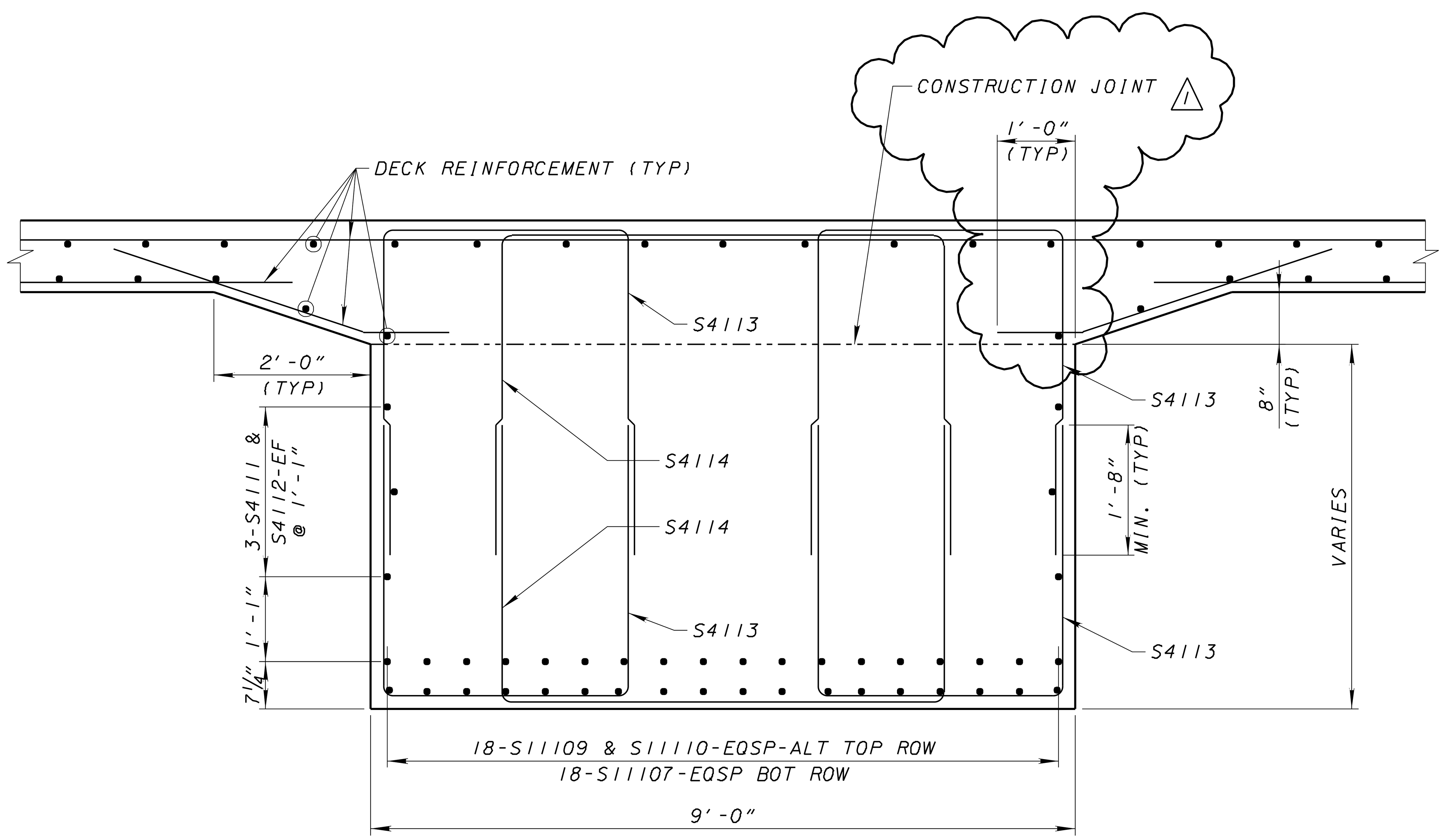
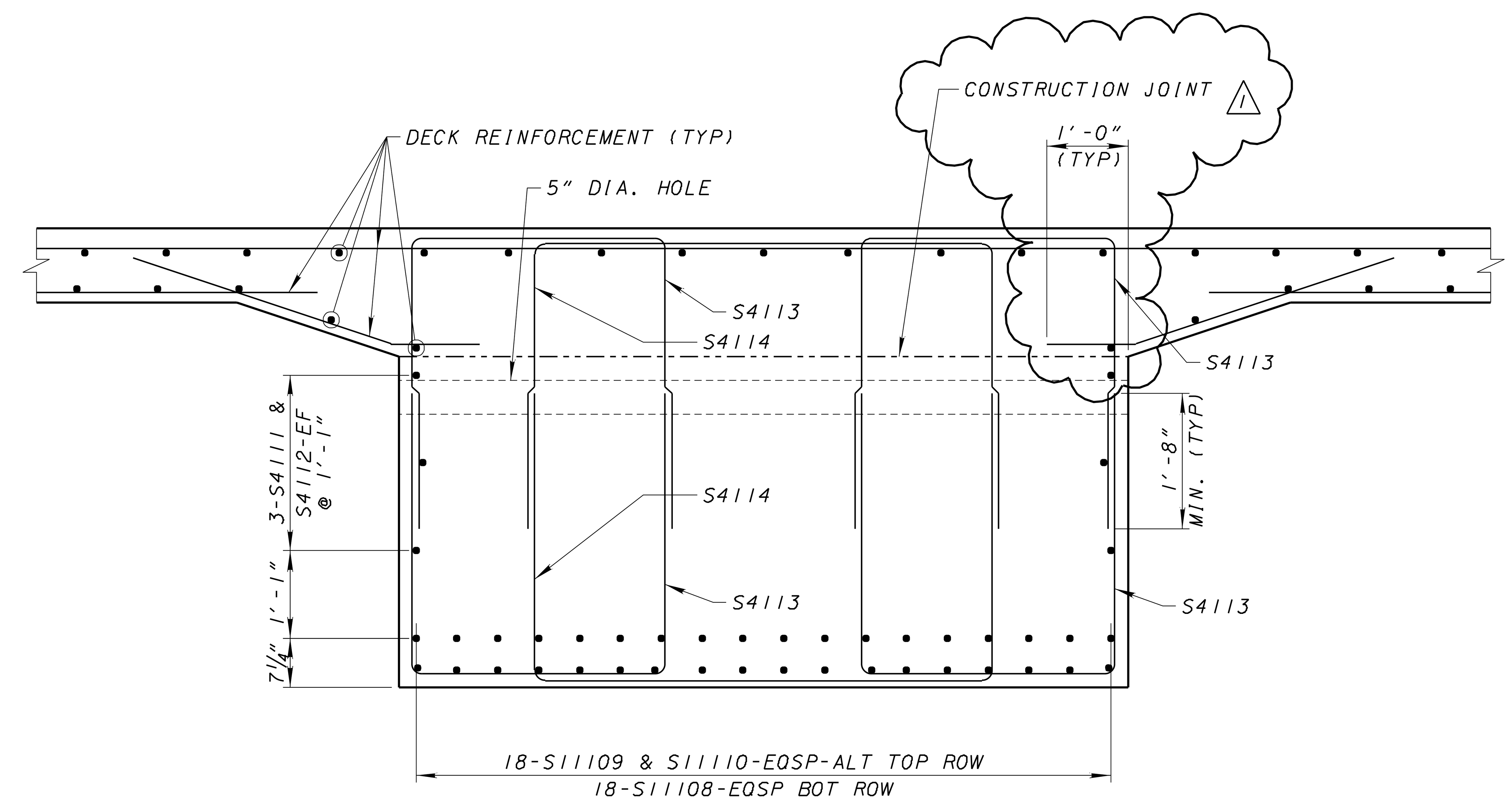


FLOOR BEAM FB2

(SEGMENTS B2 TO B12)



SECTION A-A



SECTION B-B

NOTE:

1. BARS THAT INTERFERE WITH STAY CABLE GUIDE PIPE MAY BE SHIFTED ALONG THE LENGTH OF THE BAR TO CLEAR THE GUIDE PIPE.

2. FOR DETAIL 1, SEE SHEET NO. 100/243.

FLOOR BEAM FB2 DETAILS (1)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

99/243

429/582

NUMBER	REVISION	DATE:	BY:
1	AS-BUILT	6-09	DLJ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

REVIEWED SLS DATE 8-02
STRUCTURE FILE NUMBER 5300916 OH 10385 WV
DRAWN CER REVISED
DESIGNED PS CHECKED BP

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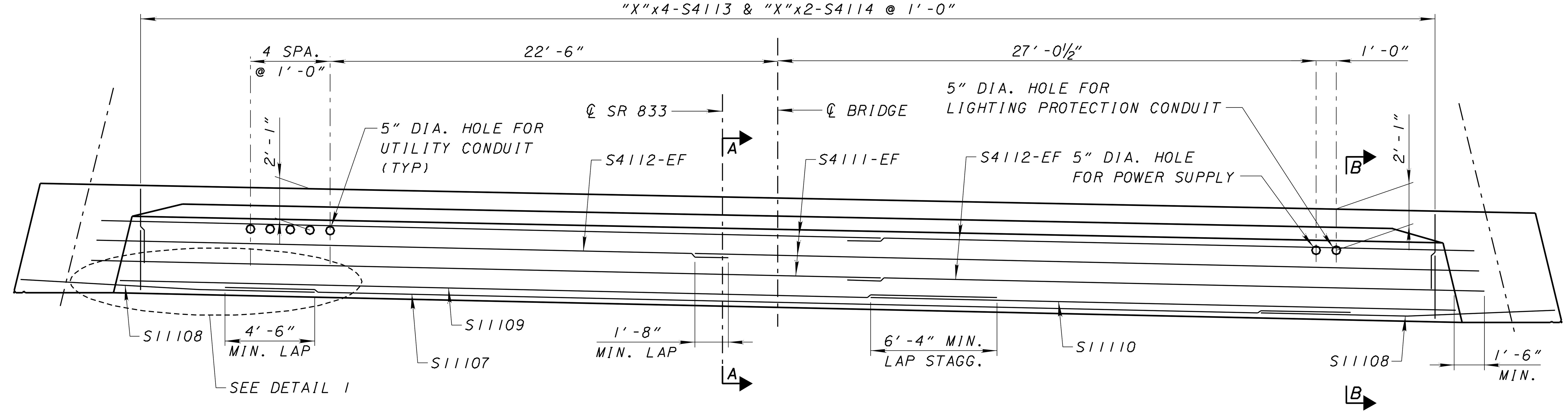
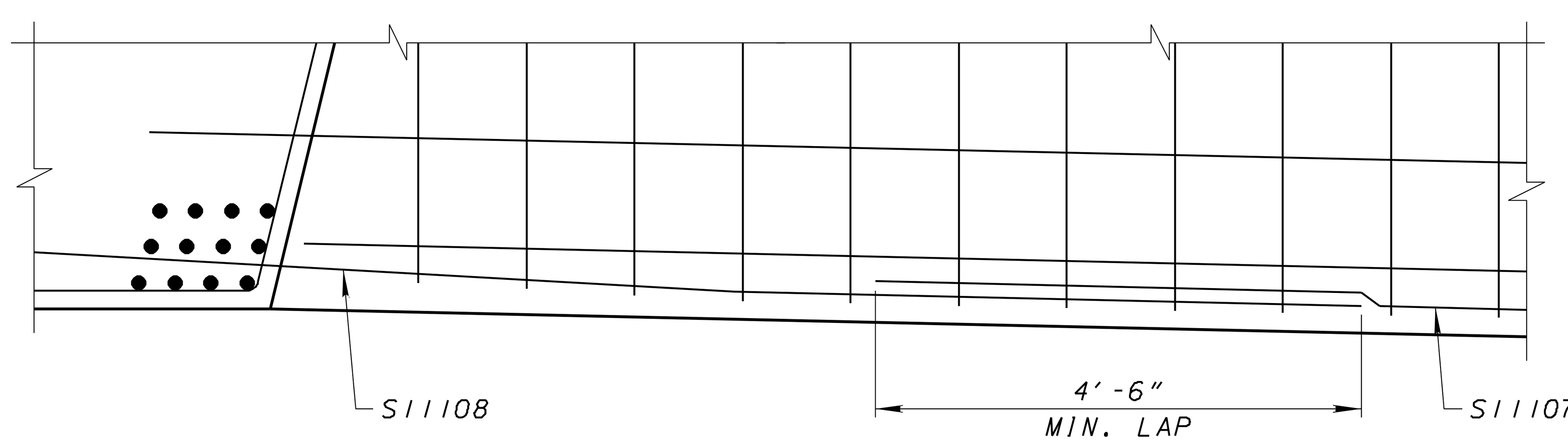
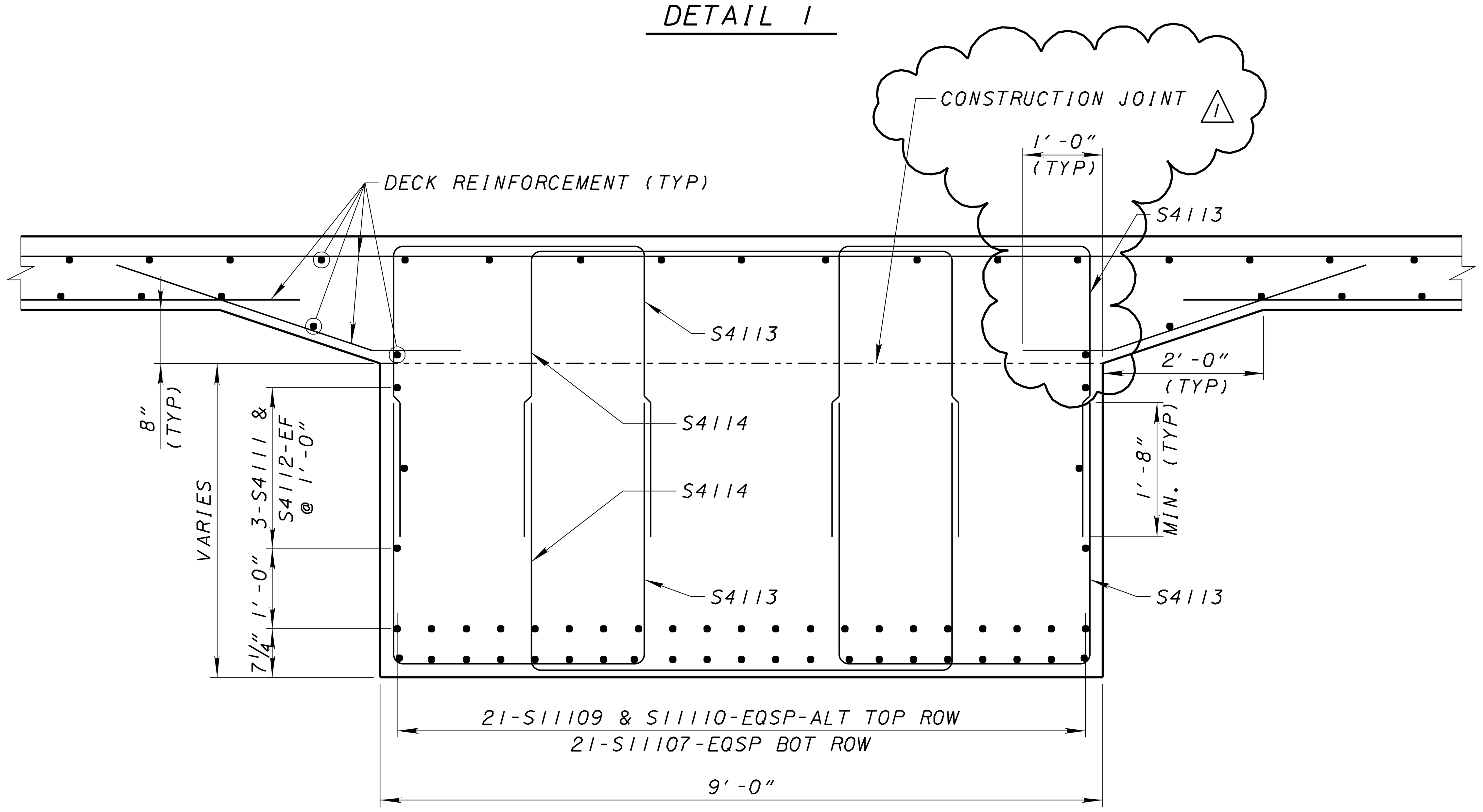


FLOOR BEAM FB2
(SEGMENTS B14 TO B24)

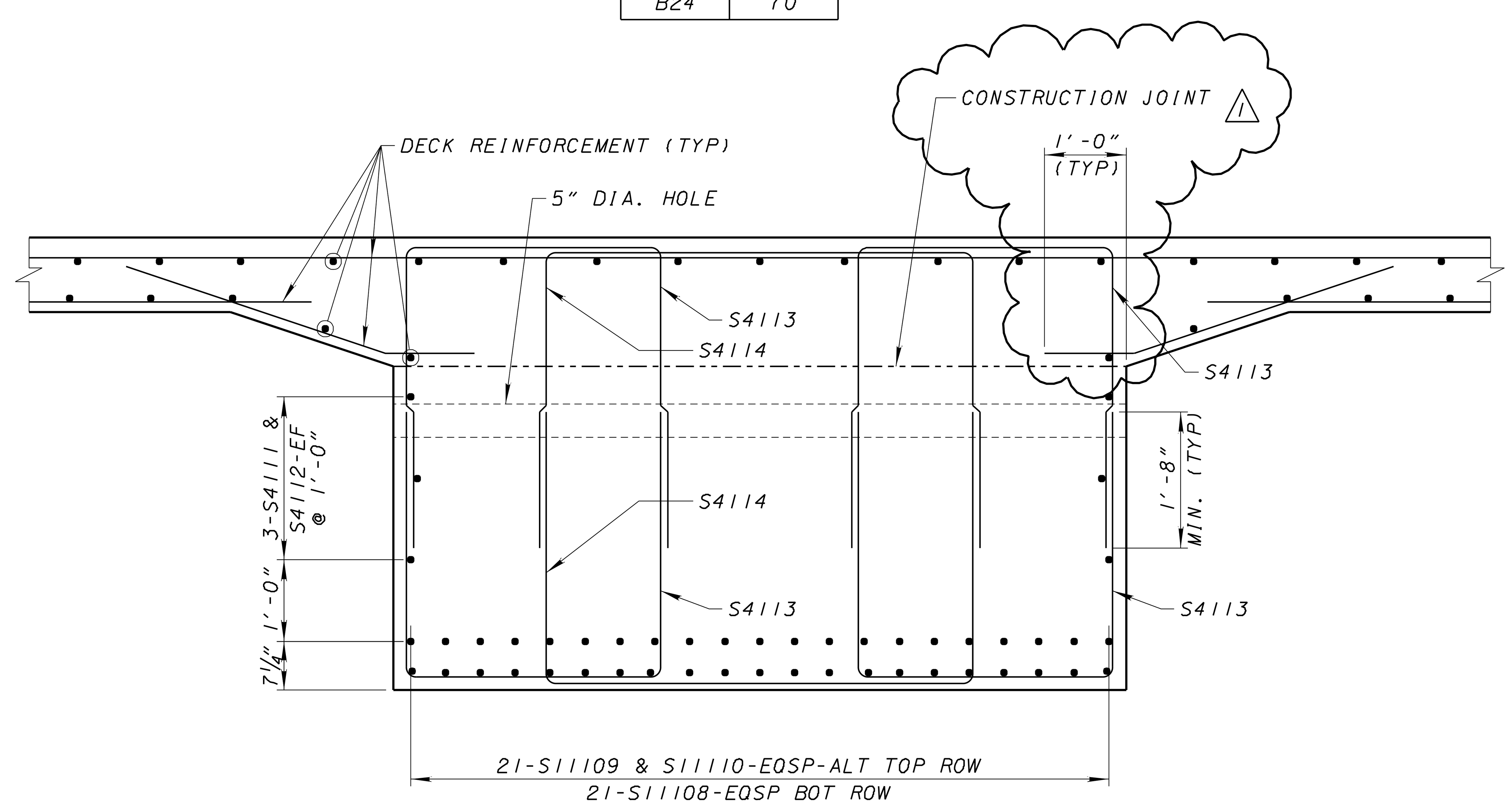


DETAIL 1

SEGMENT	X
B14	65
B15	65
B16	66
B17	66
B18	66
B19	67
B20	67
B21	68
B22	68
B23	69
B24	70



SECTION A-A



SECTION B-B

NOTE:

1. BARS THAT INTERFERE WITH STAY CABLE GUIDE PIPE MAY BE SHIFTED ALONG THE LENGTH OF THE BAR TO CLEAR THE GUIDE PIPE.

NUMBER	REVISION	DATE:	BY:
1	AS-BUILT	6-09	DLJ

DESIGN AGENCY
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A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
PS	CER	SLS	8-02

CHECKED	REVISED	STRUCTURE FILE NUMBER
BP		5300916 OH 10385 WV

FLOOR BEAM FB2 DETAILS (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

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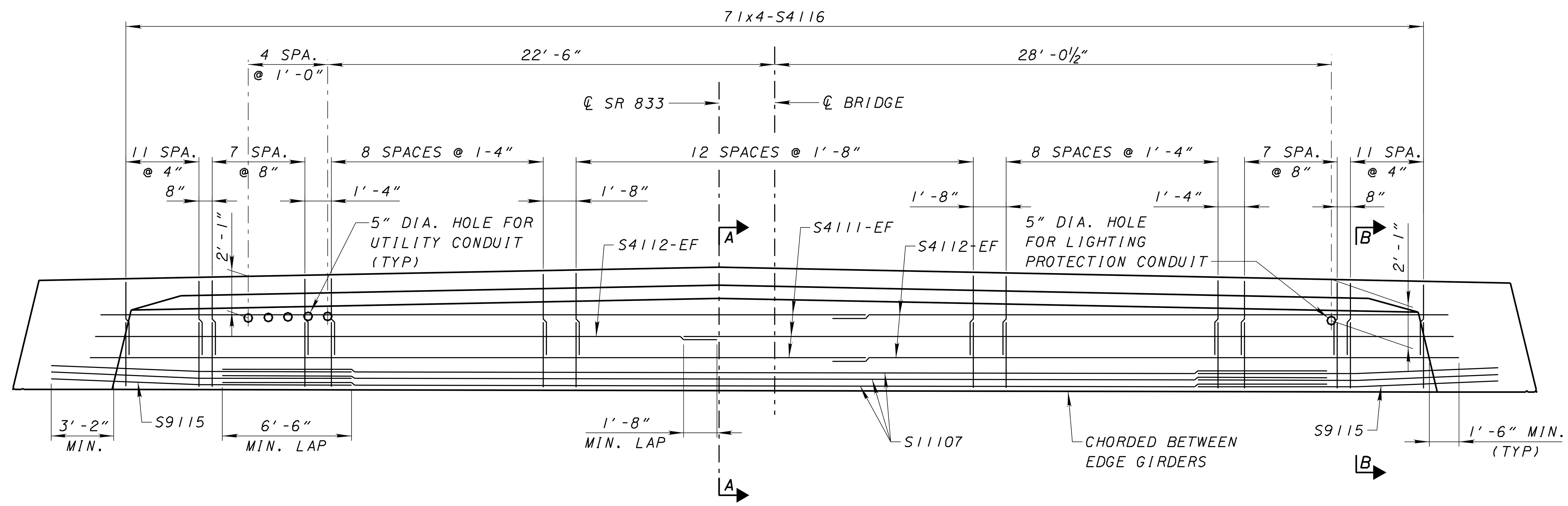
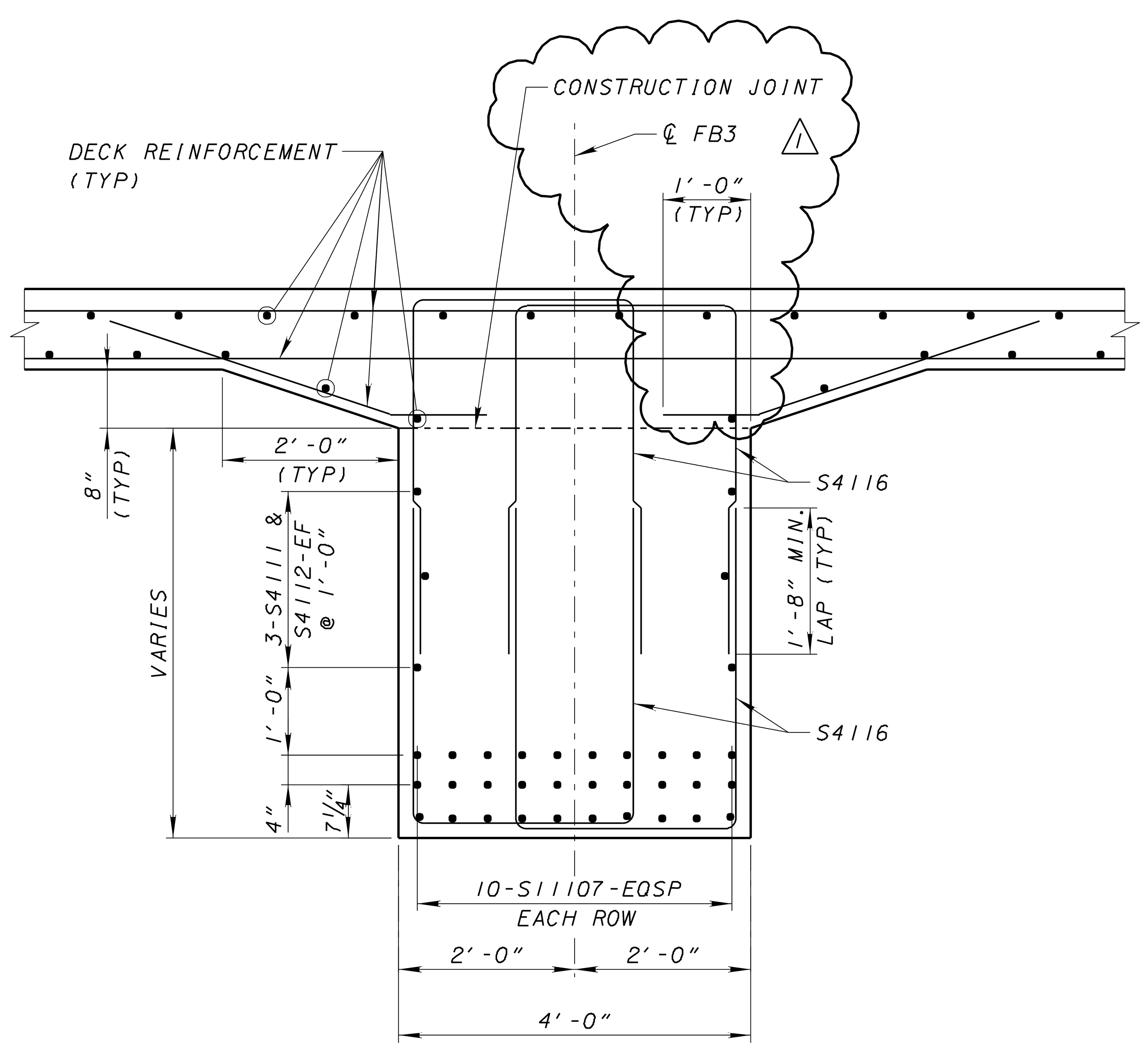
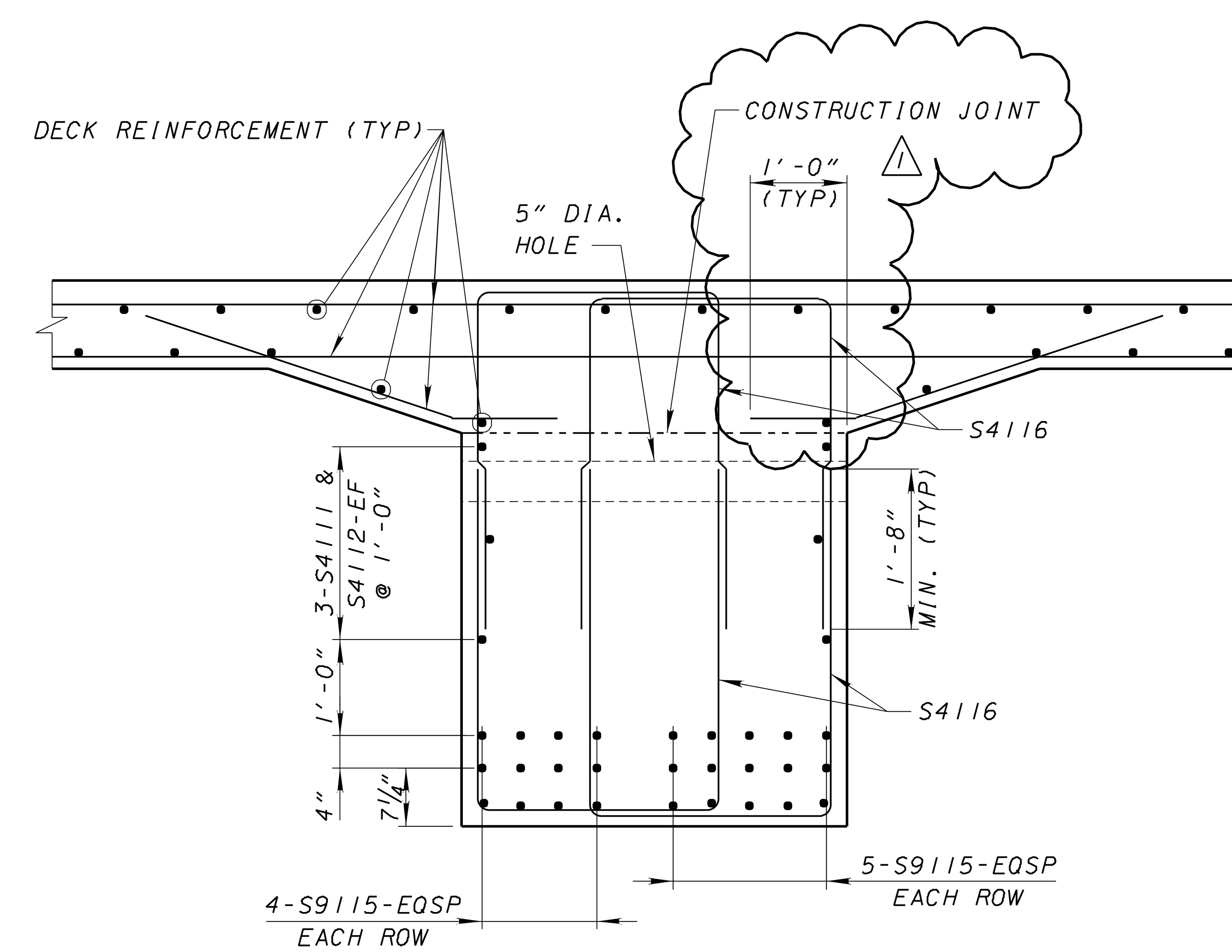


FLOOR BEAM FB3
(WV TOWER & OH TOWER)



SECTION A-A



SECTION B-B

NUMBER	REVISION	DATE:	BY:
1	AS-BUILT	6-09	DLJ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
PS	CER	SLS	8-02

CHECKED	REVISED	STRUCTURE FILE NUMBER
BP		5300916 OH 10385 WV

FLOOR BEAM FB3 DETAILS
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

101/243

431/582

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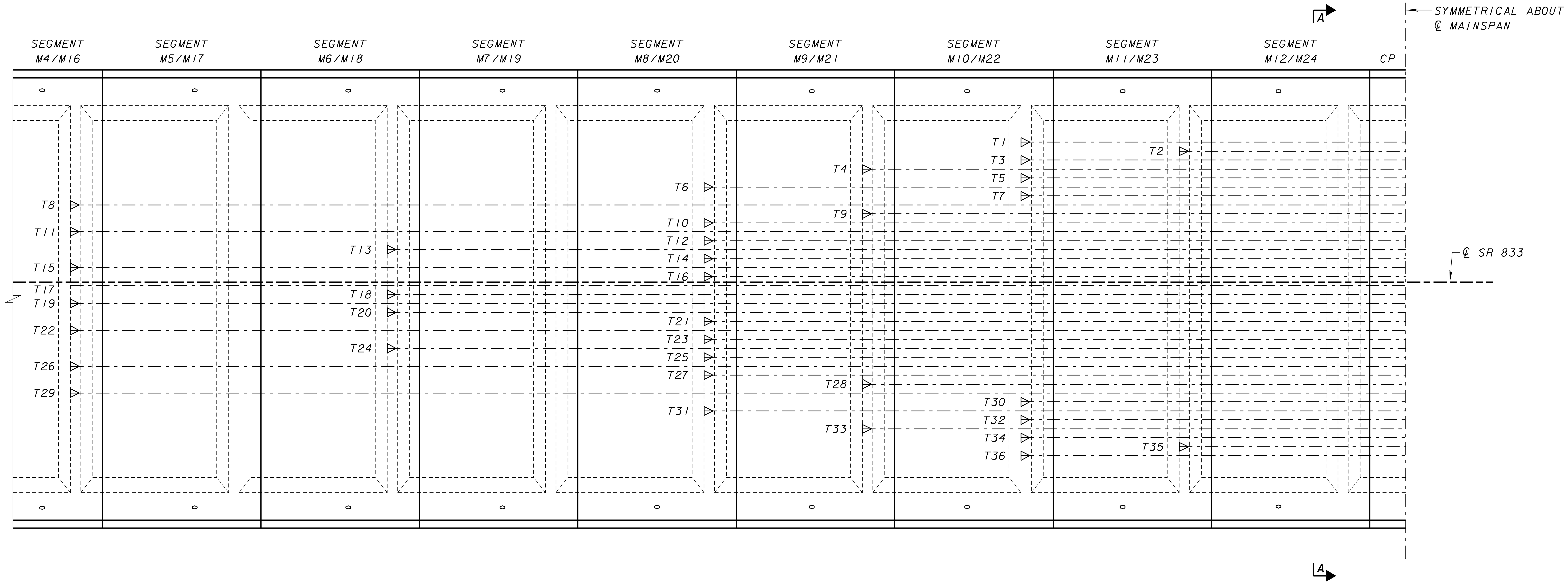
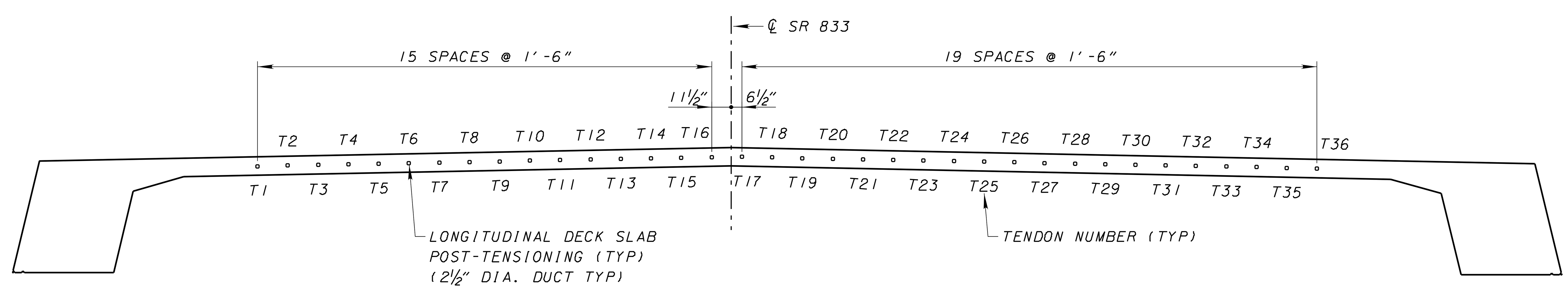


LONGITUDINAL DECK SLAB TENDON LAYOUT



SECTION A-A

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

REVIEWED SLS	DATE 8-02
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DESIGNED BP	CHECKED PS

DECK SLAB POST-TENSIONING LAYOUT
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

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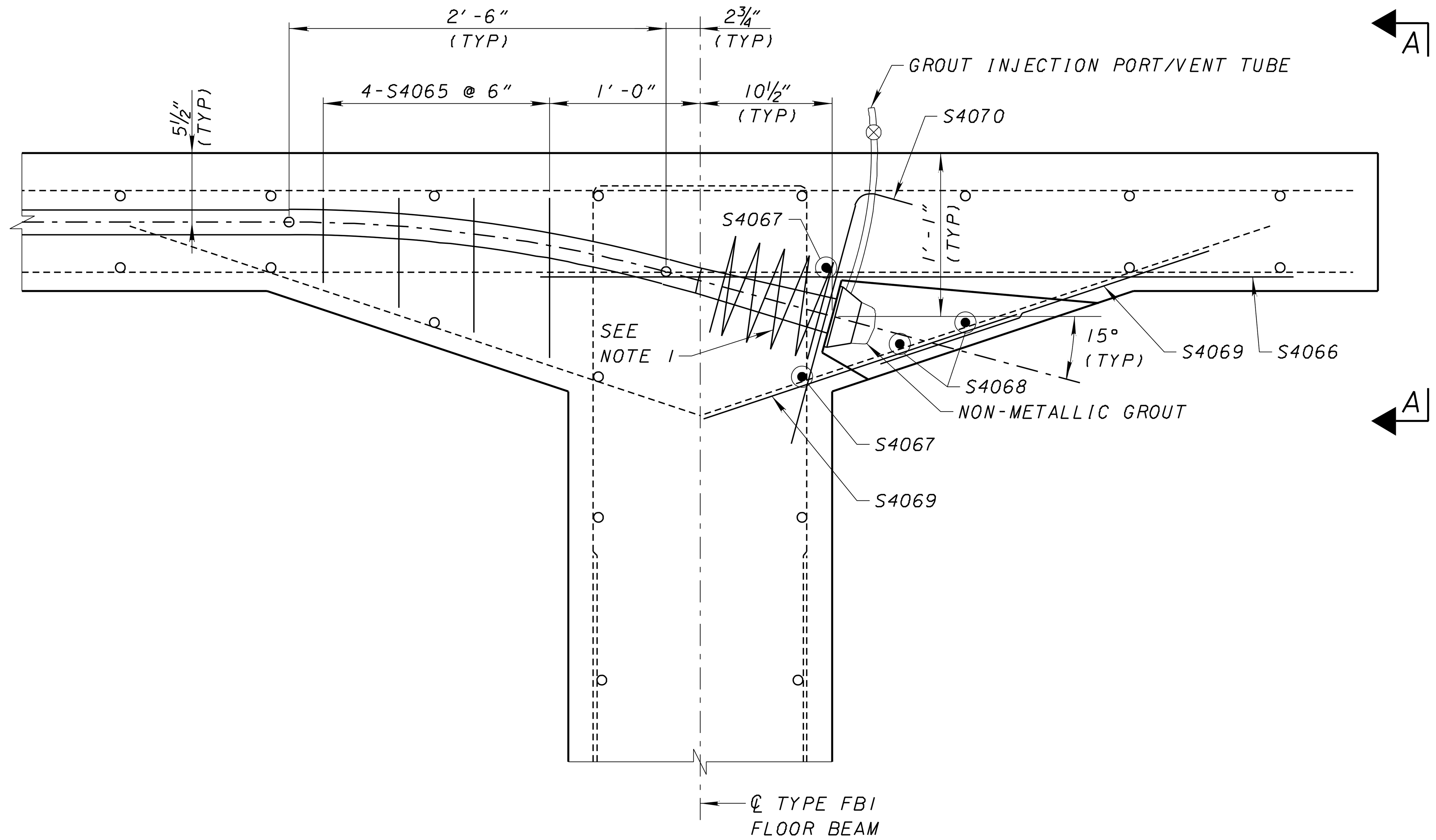
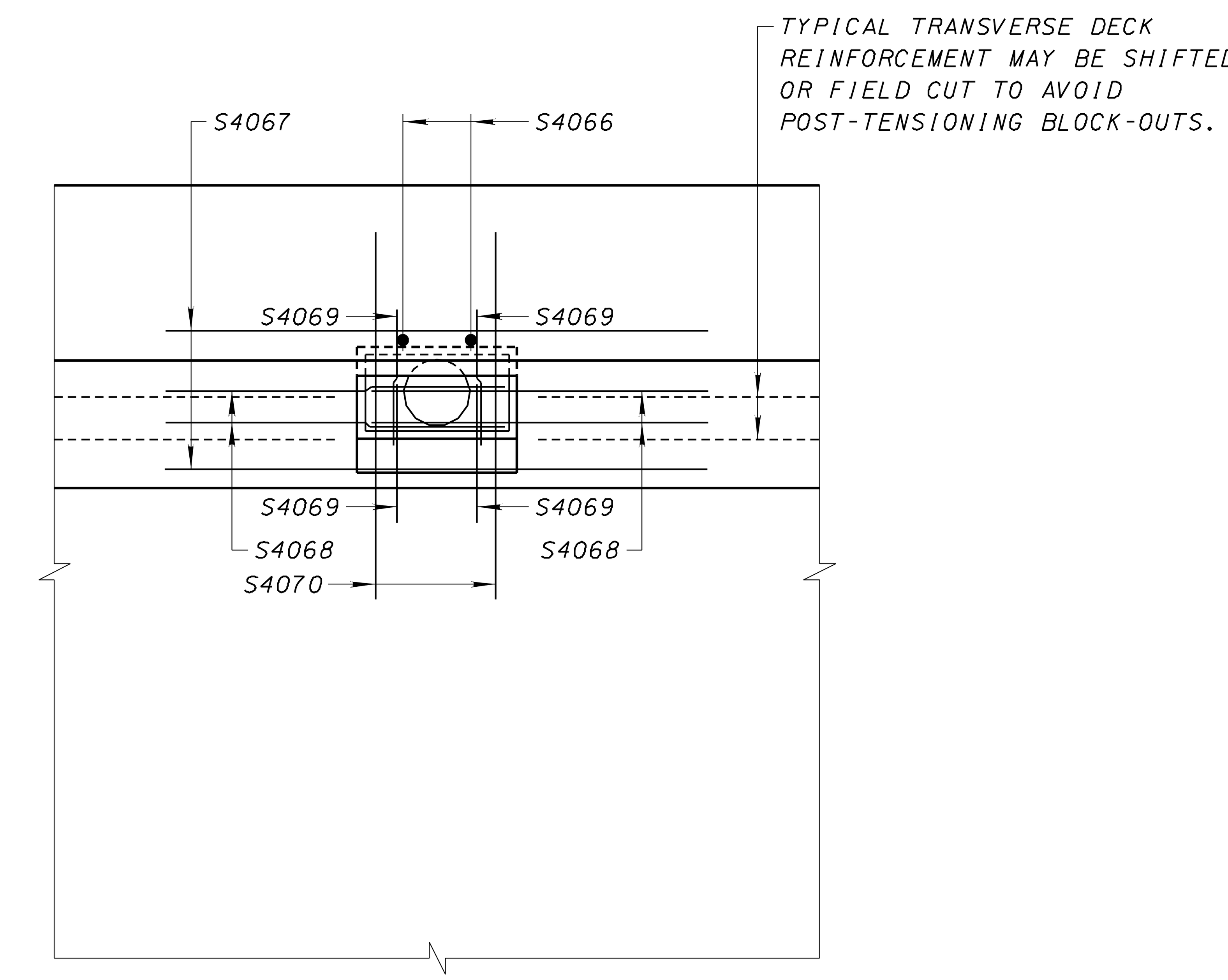
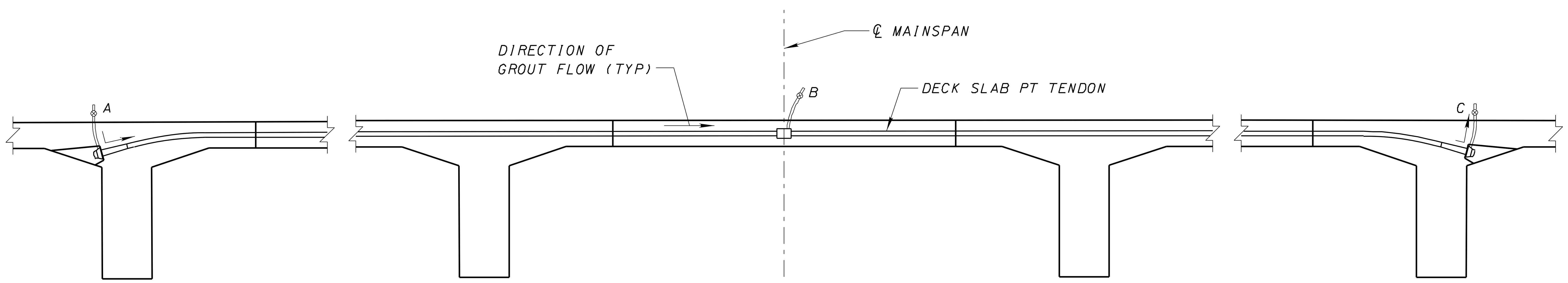


SECTION AT ANCHORAGE



SECTION A-A



GROUTING SCHEMATIC

GROUTING NOTES:

1. PROVIDE GROUT INJECTION PORT AT TENDON LOW POINT "A".
2. PROVIDE GROUT OUTLET VENT AT OPPOSITE ANCHORAGE, POINT "C".
3. PROVIDE INTERMEDIATE GROUT OUTLET VENT AT TENDON HIGH POINT "B" IF LENGTH OF TENDON EXCEEDS 150'.
4. VENTS AND INJECTION PORTS SHALL BE LOCATED ON THE TOP OF THE ANCHORAGE.
5. ANCHORAGES SHALL BE PROTECTED BY A PERMANENT NON-METALLIC GROUT CAP, MECHANICALLY SECURED AND SEALED AGAINST THE ANCHOR PLATE WITH A COMPRESSIBLE NEOPRENE O-RING AND FULLY FILLED WITH GROUT. GROUT CAP SHALL HAVE 2" MINIMUM COVER.

NOTES

1. POST-TENSIONING LOCAL ZONE REINFORCEMENT SHALL BE THE RESPONSIBILITY OF THE POST-TENSIONING SUPPLIER. COST OF LOCAL ZONE REINFORCEMENT SHALL BE CONSIDERED INCIDENTAL TO THE COST OF POST-TENSIONING.
2. WITHIN 7 DAYS UPON COMPLETION OF THE TENDON GROUTING, PROTECT THE ANCHORAGE TERMINI OF POST-TENSIONING TENDONS AND GROUT INLET/OUTLET AS INDICATED IN THE SPECIAL PROVISIONS. USE A FACTORY PREPROPORTIONED EPOXY GROUT MEETING THE REQUIREMENTS OF THE SPECIAL PROVISIONS. CLEAN THE AREAS TO BE GROUTED, CONSTRUCT, AND FILL ALL RECESSES IN ACCORDANCE WITH THE SPECIAL PROVISIONS.
3. BARS S4068 AND S4069 SHALL BE TEMPORARILY BENT OUT OF POSITION TO ACCESS POST-TENSIONING ANCHORAGE.
4. LONGITUDINAL DECK SLAB TENDONS SHALL BE 4-0.6" DIAMETER STRAND WITH GRADE 270ksi LOW RELAXATION.
5. STRESSING SEQUENCE SHALL BE ARRANGED TO AVOID ECCENTRICITY OR OVERSTRESSING CONDITIONS. TENDONS MAY BE SINGLE END STRESSED.
6. REINFORCING MAY SHIFT TO AVOID POST-TENSIONING TENDON.
7. JACKING FORCE FOR DECK SLAB TENDONS SHALL BE 187 Kips PER TENDON.
8. FOR DECK SLAB TENDON QUANTITIES SEE SHEET NO. 104/243 .

DESIGN AGENCY
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CHECKED	REVISED	STRUCTURE FILE NUMBER	
PS		5300916 OH 10385 WV	

DECK SLAB POST-TENSIONING DETAILS
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

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LONGITUDINAL DECK SLAB TENDONS						
TENDON ID NUMBER	NO. OF TENDONS	NUMBER OF 0.6" DIA. STRANDS	JACKING FORCE (kips)	TENDON LENGTH (ft)	TENDON WEIGHT (lbs)	TOTAL WEIGHT (lbs)
T1	1	4	187	128.75	381	381
T2	1	4	187	75.75	224	224
T3	1	4	187	128.75	381	381
T4	1	4	187	181.75	538	538
T5	1	4	187	128.75	381	381
T6	1	4	187	234.75	695	695
T7	1	4	187	128.75	381	381
T8	1	4	187	446.75	1322	1322
T9	1	4	187	181.75	538	538
T10	1	4	187	234.75	695	695
T11	1	4	187	446.75	1322	1322
T12	1	4	187	234.75	695	695
T13	1	4	187	340.75	1009	1009
T14	1	4	187	234.75	695	695
T15	1	4	187	446.75	1322	1322
T16	1	4	187	234.75	695	695
T17	1	4	187	446.75	1322	1322
T18	1	4	187	340.75	1009	1009
T19	1	4	187	446.75	1322	1322
T20	1	4	187	340.75	1009	1009
T21	1	4	187	234.75	695	695
T22	1	4	187	446.75	1322	1322
T23	1	4	187	234.75	695	695
T24	1	4	187	340.75	1009	1009
T25	1	4	187	234.75	695	695
T26	1	4	187	446.75	1322	1322
T27	1	4	187	234.75	695	695
T28	1	4	187	181.75	538	538
T29	1	4	187	446.75	1322	1322
T30	1	4	187	128.75	381	381
T31	1	4	187	234.75	695	695
T32	1	4	187	128.75	381	381
T33	1	4	187	181.75	538	538
T34	1	4	187	128.75	381	381
T35	1	4	187	75.75	224	224
T36	1	4	187	128.75	381	381
					TOTAL =	27211

TRANSVERE FLOOR BEAM TENDONS						
TENDON ID NUMBER	NO. OF TENDONS	NUMBER OF 0.6" DIA. STRANDS	JACKING FORCE (kips)	TENDON LENGTH (ft)	TENDON WEIGHT (lbs)	TOTAL WEIGHT (lbs)
T101	54	19	890	70.11	986	53229
T102	2	19	890	70.11	986	1971
T103	2	19	890	70.54	992	1983
T104	2	19	890	70.97	998	1996
					TOTAL =	59180

NOTES

1. WEIGHT INDICATED IN SCHEDULES ARE BASED ON TENDON LENGTH FROM ANCHOR PLATE TO ANCHOR PLATE. WEIGHT IS SHOWN FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR IS RESPONSIBLE FOR ESTIMATING QUANTITY OF POST-TENSIONING STRAND REQUIRED. POST-TENSIONING IS PAID FOR AS A LUMP SUM.

2. COST OF SPIRAL REINFORCEMENT (LOCAL ZONE) AT EACH ANCHORAGE IS INCIDENTAL TO THE COST OF POST-TENSIONING.

DESIGN AGENCY
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STRUCTURE FILE NUMBER 5300916 OH 10385 WV
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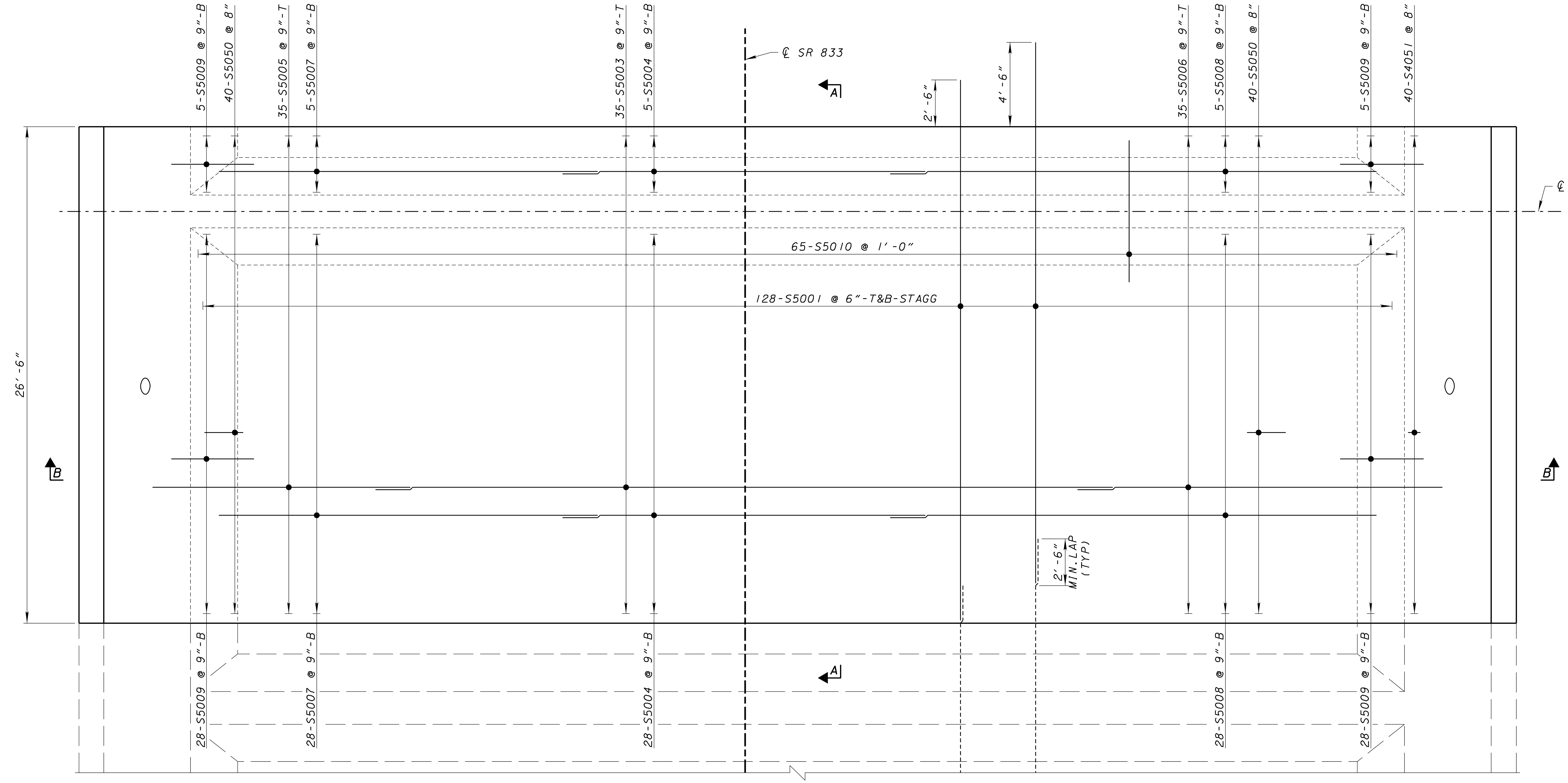
DESIGNED JF CHECKED PS

SUPERSTRUCTURE POST-TENSIONING SCHEDULE
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70



SEGMENTS M2-M12 & M14-M24

NOTES

1. FOR SECTIONS A-A AND B-B, SEE SHEET NO. 106/243 .

DESIGN AGENCY
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SUITE 2300
CINCINNATI, OHIO 45202

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BP	AMH	SLS	8-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
PS		5300916 OH 10385 WV	

DECK REINFORCEMENT - MAINSPAN (1)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

105/243

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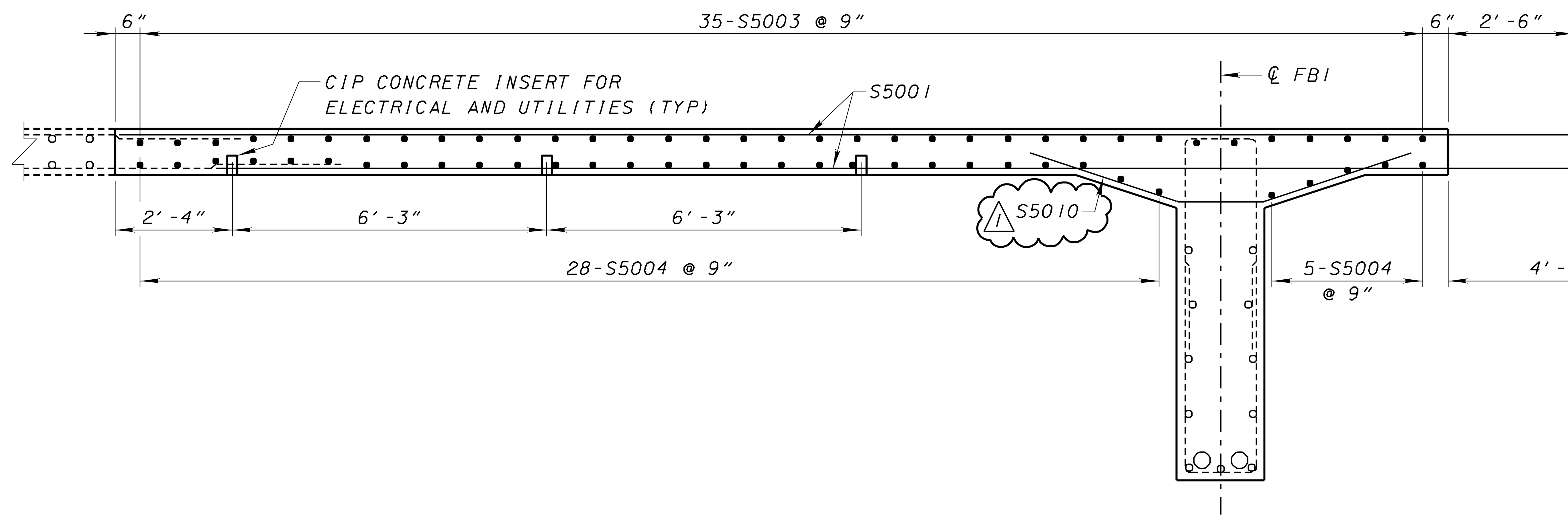
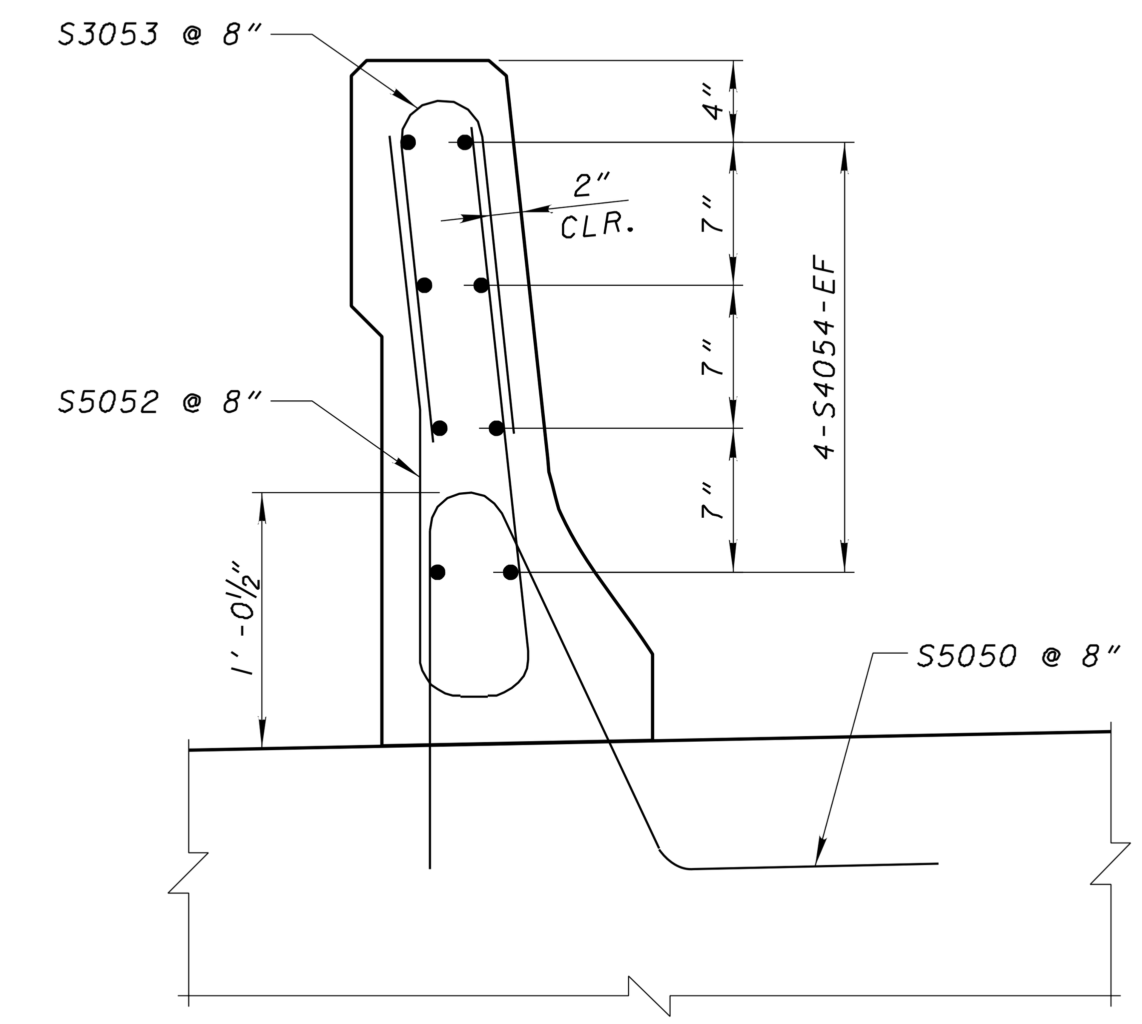
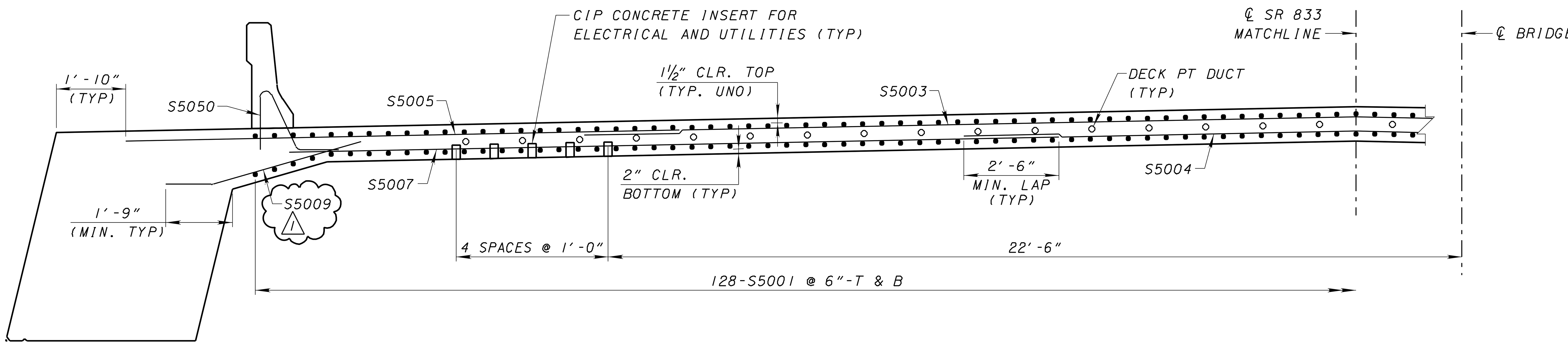


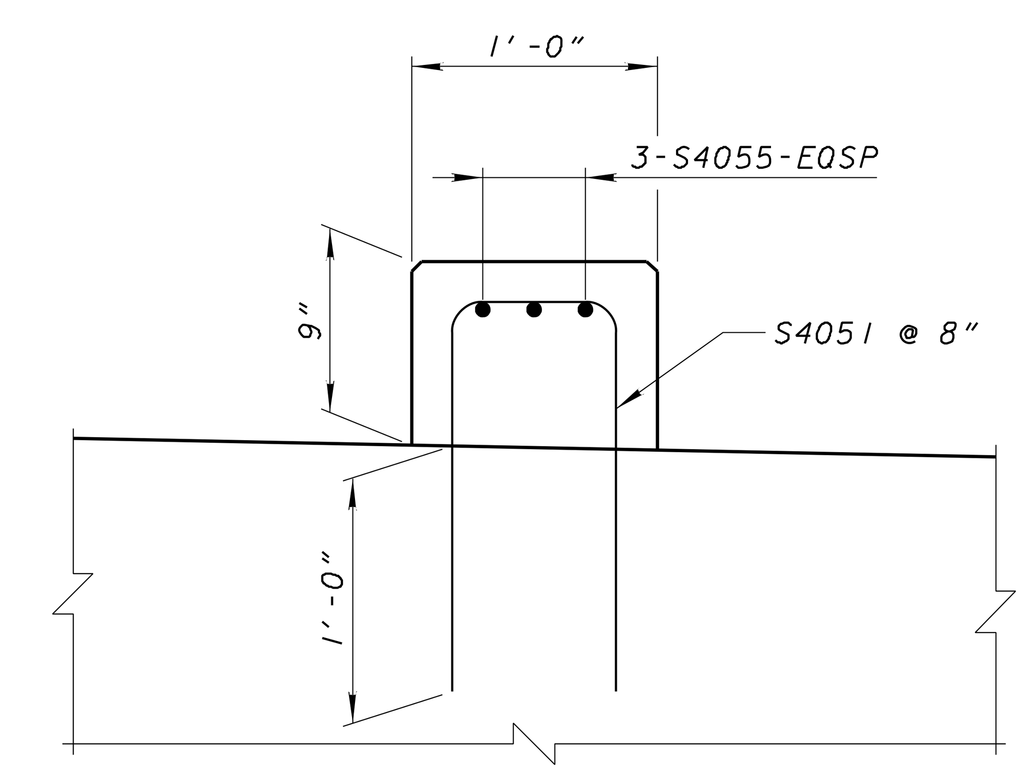
SECTION A-A



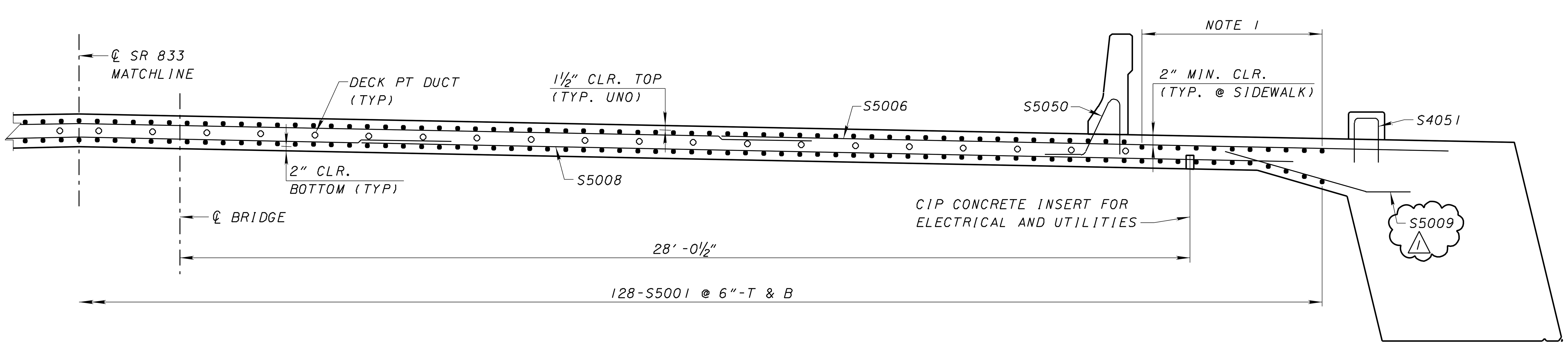
PARAPET REINFORCING



PARTIAL SECTION B-B



PEDESTRIAN RAILING PLINTH



PARTIAL SECTION B-B

NOTES

1. TOP MAT LONGITUDINAL BARS UNDER LIMITS OF SIDEWALK SHALL BE PLACED UNDER THE TRANSVERSE REINFORCEMENT.

NUMBER	REVISION	DATE	BY
△	AS-BUILT	6-09	DLJ

DESIGN AGENCY
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A URS COMPANY
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DESIGNED BP | CHECKED PS | DRAWN AMH | REVISED | REVIEWED SLS | DATE 8-02
STRUCTURE FILE NUMBER 5300916 OH 10385 WV

DECK REINFORCEMENT - MAINSPAN (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

106/243

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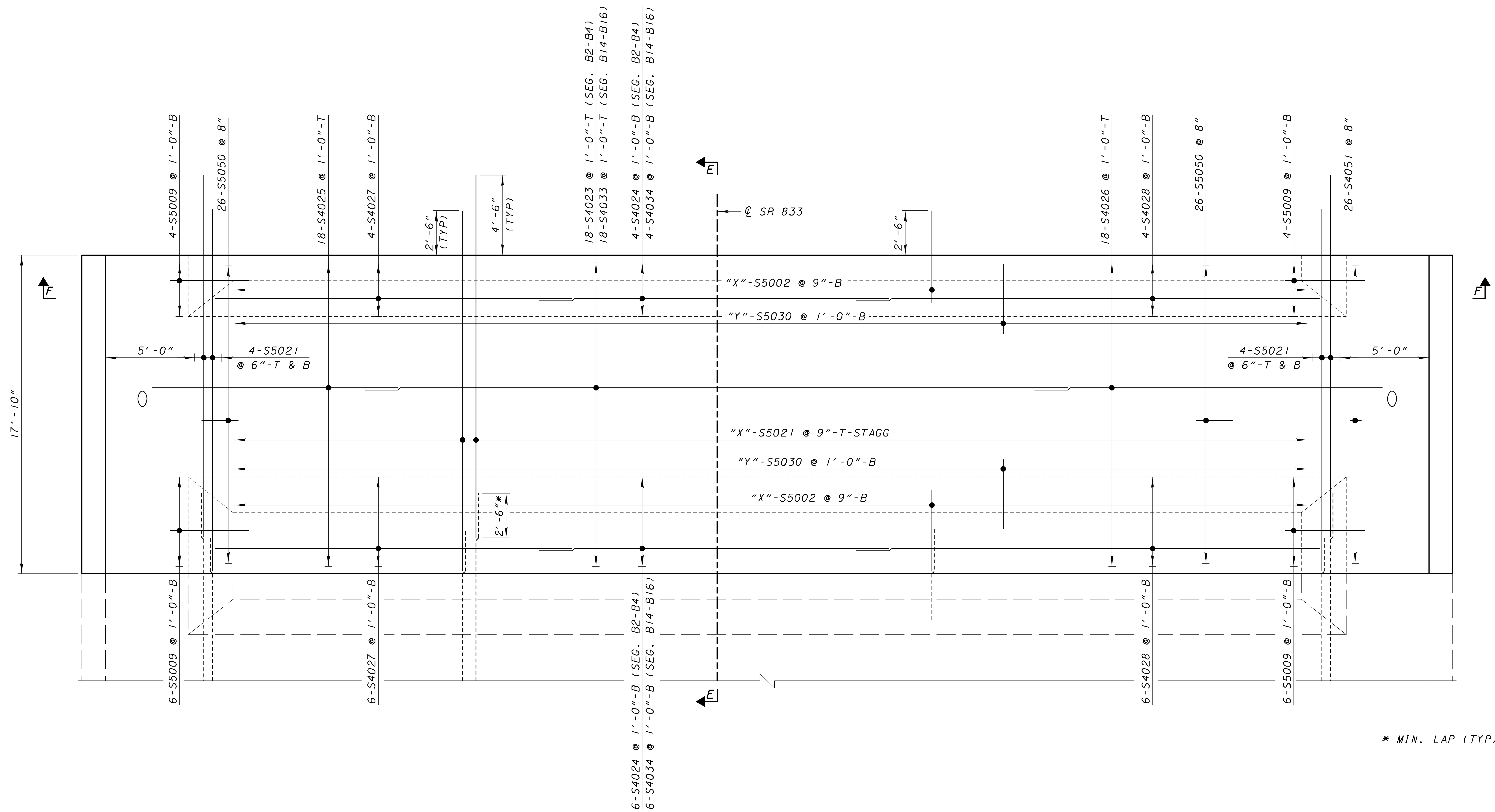

SEGMENTS B2-B4 & B14-B16

SEGMENT	X	Y
B2-B4	81	61
B14	82	62
B15	82	62
B16	83	63

NOTES

1. FOR SECTIONS E-E AND F-F, SEE SHEET NO. 109/243 .

DESIGN AGENCY
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36 EAST 7TH STREET
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PS		5300916 OH / 10385 WV	

DECK REINFORCEMENT - ENDSPAN (1)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

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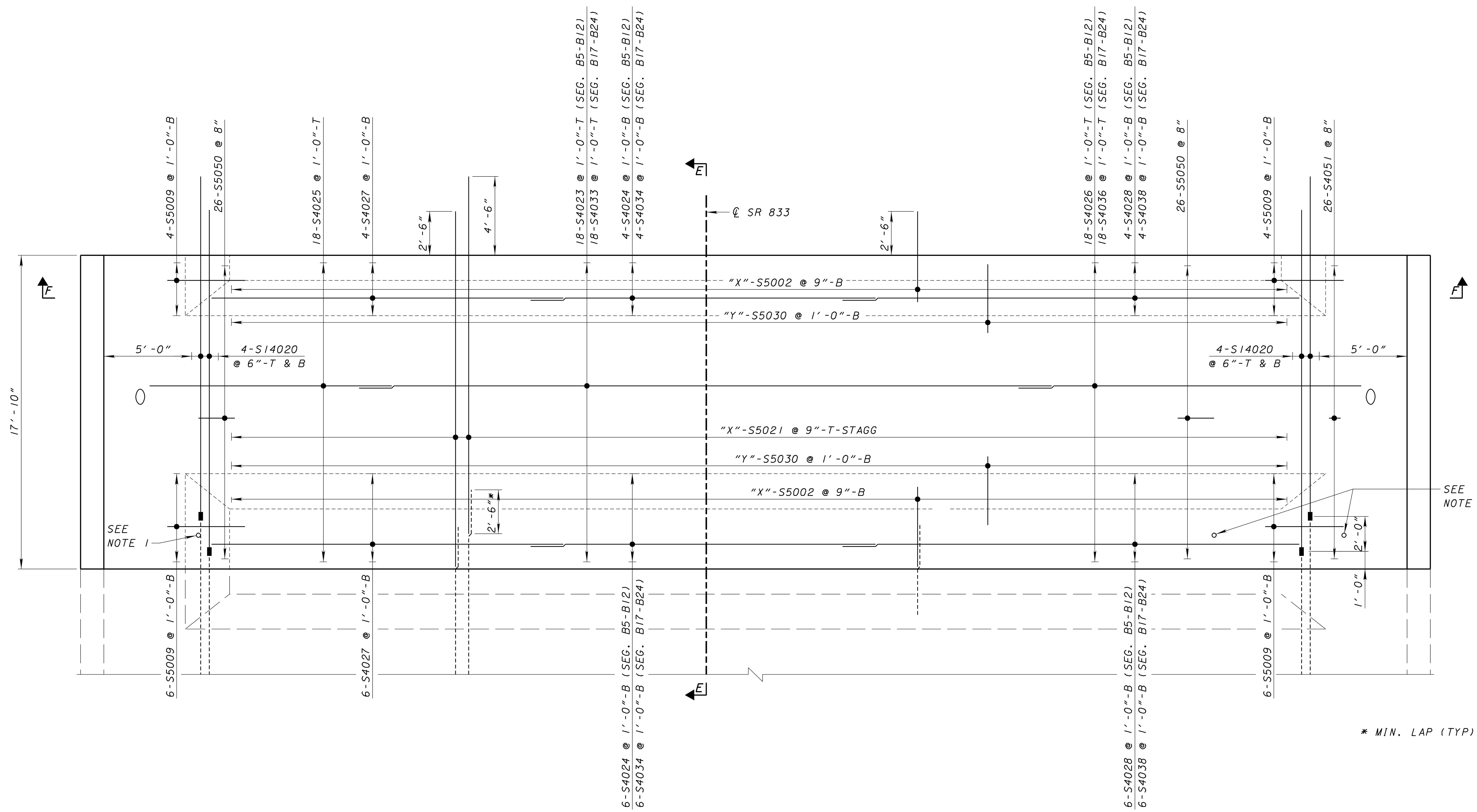

* MIN. LAP (TYP)

SEGMENTS B5-B12 & B17-B24

SEGMENT	X	Y
B5-B12	81	61
B17	84	63
B18	84	63
B19	85	64
B20	85	64
B21	86	65
B22	87	65
B23	87	66
B24	89	67

NOTES

1. PROVIDE 1¼" DIAMETER PVC SLEEVES IN SEGMENTS B11 & B23 FOR LIGHTNING PROTECTION SYSTEM. SEE SHEET NOS. 182-184/243 .
2. FOR SECTIONS E-E AND F-F, SEE SHEET NO. 109/243 .

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BP	CER	SLS	8-02
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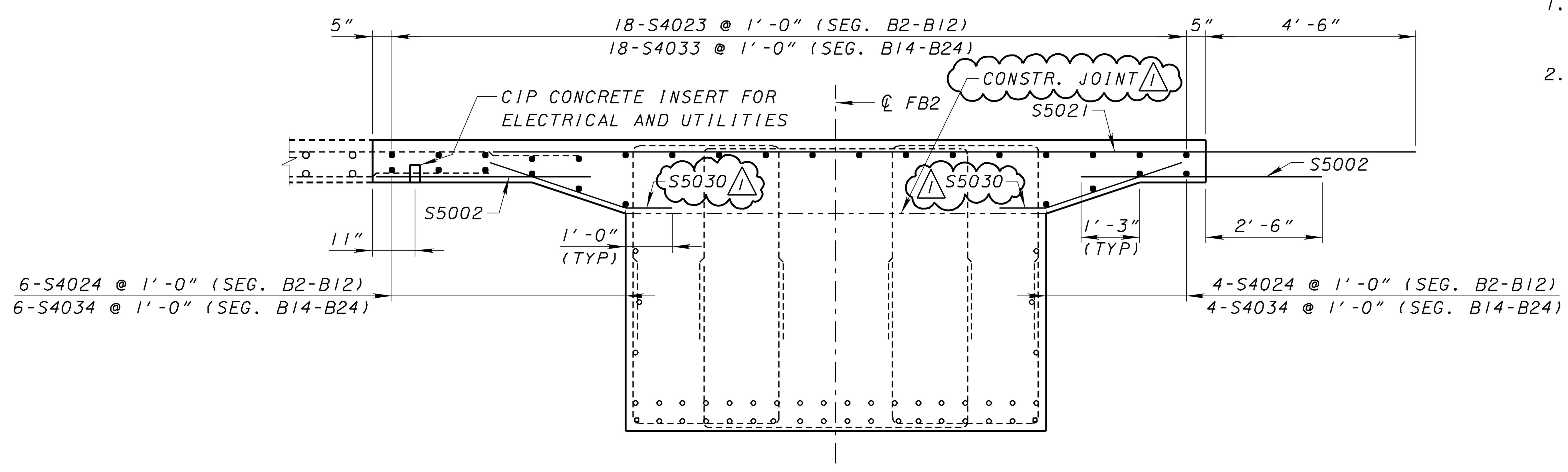
PS		5300916 OH 10385 WV	

DECK REINFORCEMENT - ENDSPAN (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

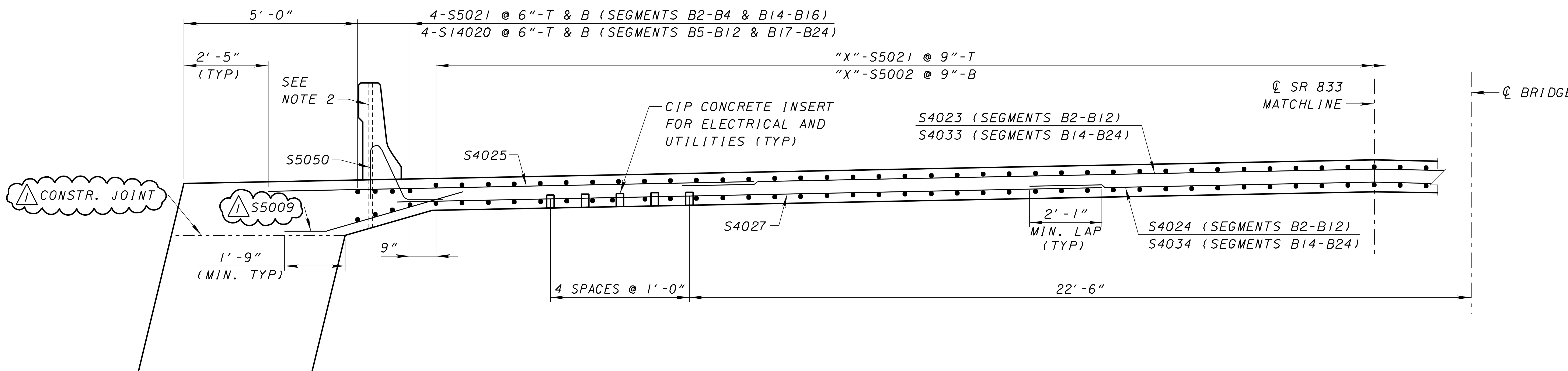
MEG-33-15.70

NOTES

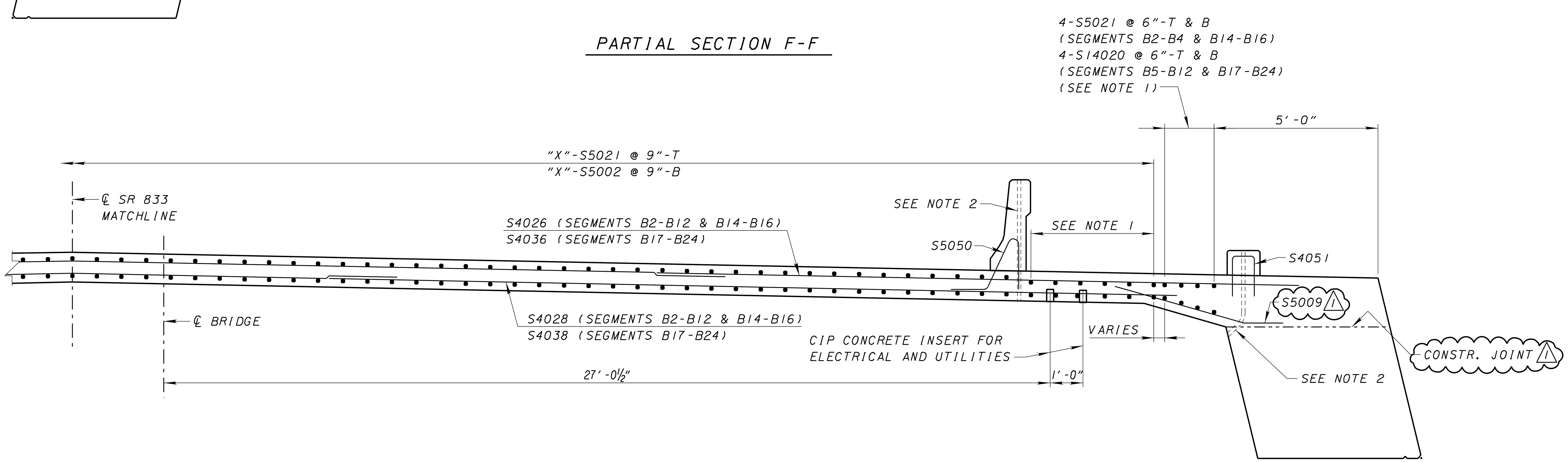
1. TOP MAT LONGITUDINAL BARS UNDER LIMITS OF SIDEWALK SHALL BE PLACED UNDER THE TRANSVERSE REINFORCEMENT.
2. PROVIDE 1¼" DIAMETER PVC SLEEVES IN SEGMENTS B11 & B23 FOR LIGHTNING PROTECTION SYSTEM. SEE SHEET NOS. 182-184/243.



SECTION E-E



PARTIAL SECTION F-F



PARTIAL SECTION F-F

NUMBER	REVISION	DATE:	BY:
1	AS-BUILT	6-09	DLJ

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36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

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PS		5300916 OH 10385 WV	

DECK REINFORCEMENT - ENDSPAN (3)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

109/243

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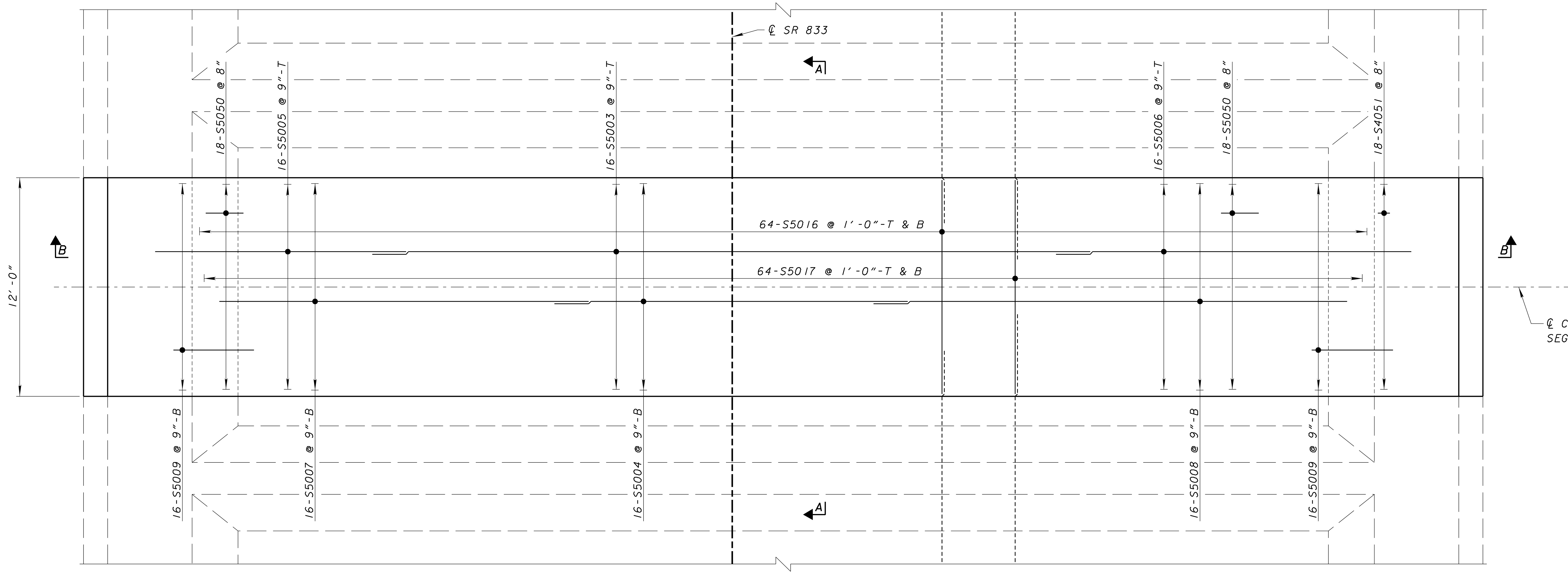

CLOSURE SEGMENT

NOTES

1. FOR SECTIONS A-A AND B-B, SEE SHEET NO. 111/243 .

DESIGN AGENCY BRW HAZELET & ERDAL A URS COMPANY (513) 651-3440 36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

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CHECKED PS	REVISED	STRUCTURE FILE NUMBER 5300916 OH 10385 WV	

DECK REINFORCEMENT - CLOSURE SEGMENT (1)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

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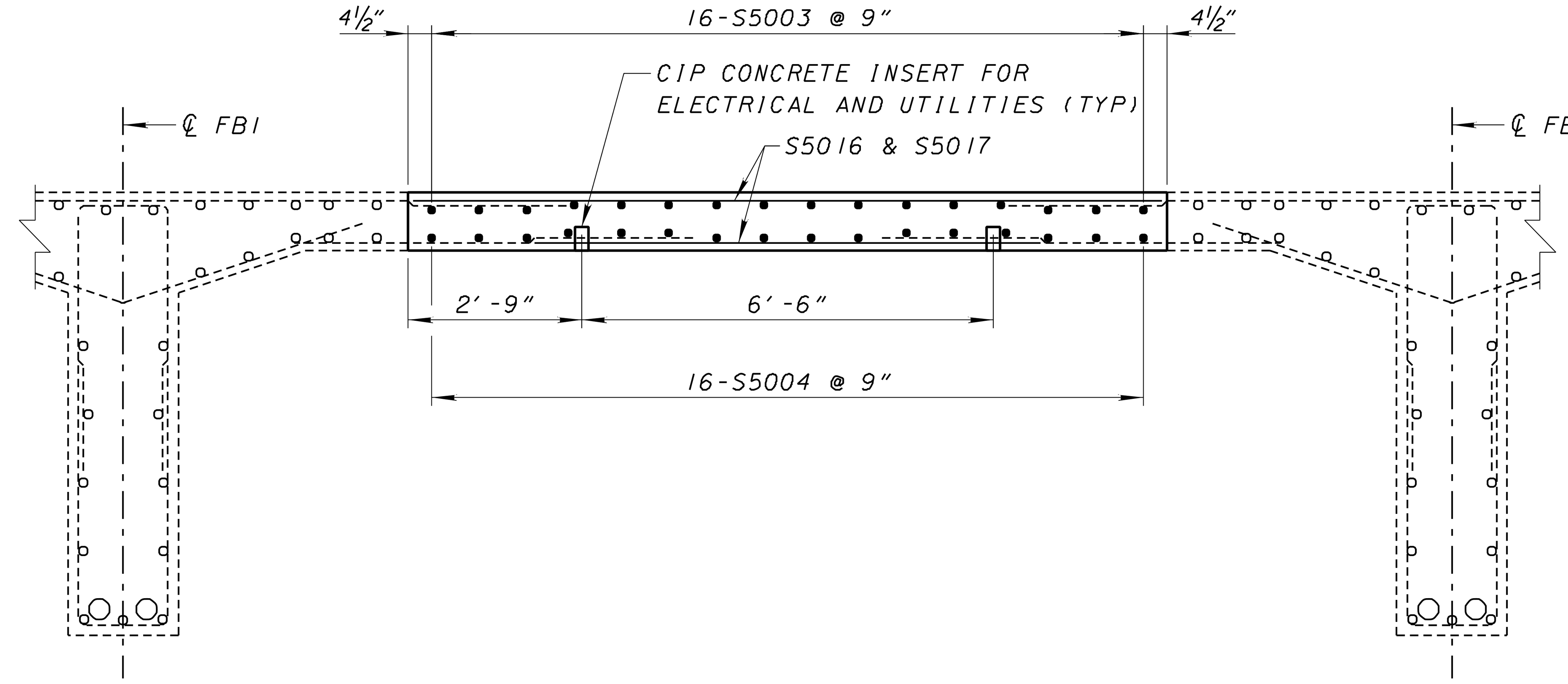
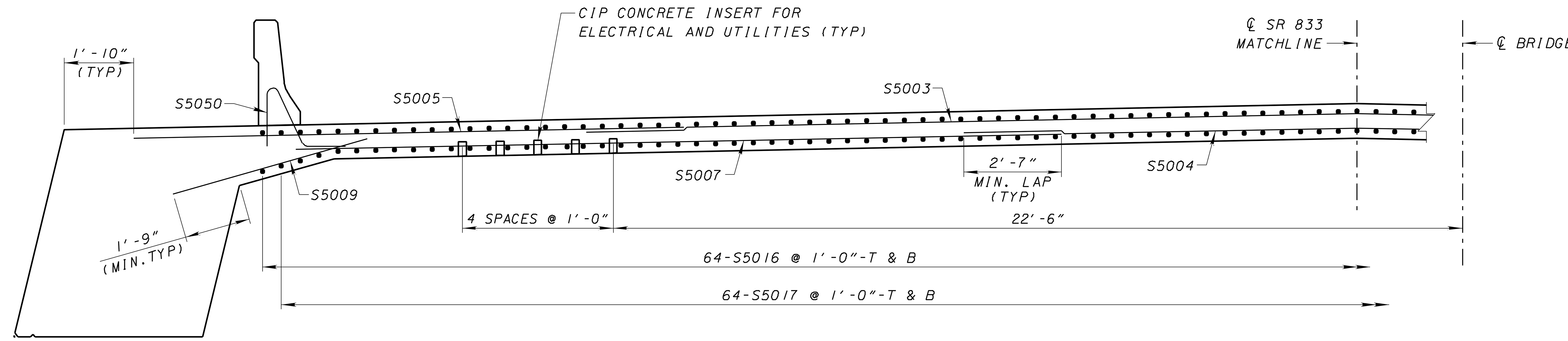


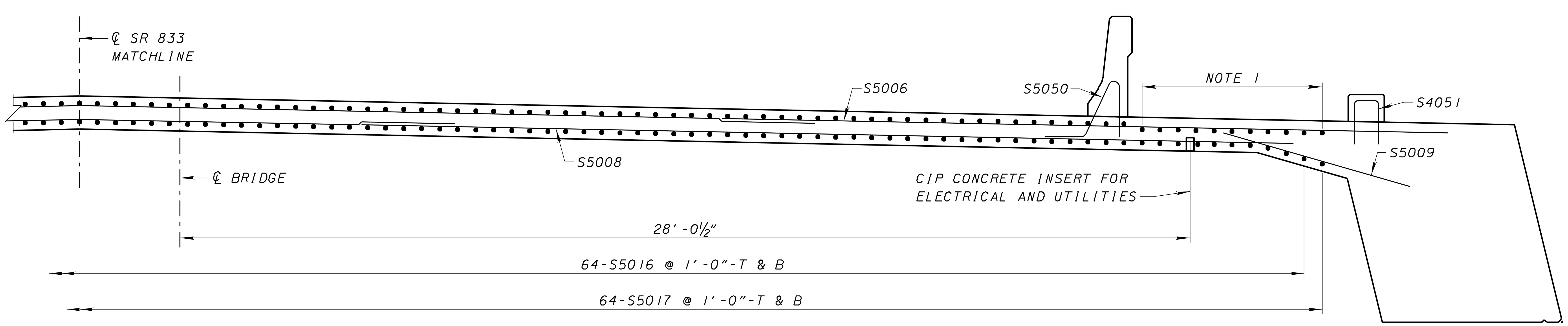
SECTION A-A



PARTIAL SECTION B-B

NOTES

1. TOP MAT LONGITUDINAL BARS UNDER LIMITS OF SIDEWALK SHALL BE PLACED UNDER THE TRANSVERSE REINFORCEMENT.



PARTIAL SECTION B-B

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
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36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

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REVISED
STRUCTURE FILE NUMBER 5300916 OH 10385 WV

DECK REINFORCEMENT - CLOSURE SEGMENT (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

111/243

441/582

5/16/2006 7:27:44 AM

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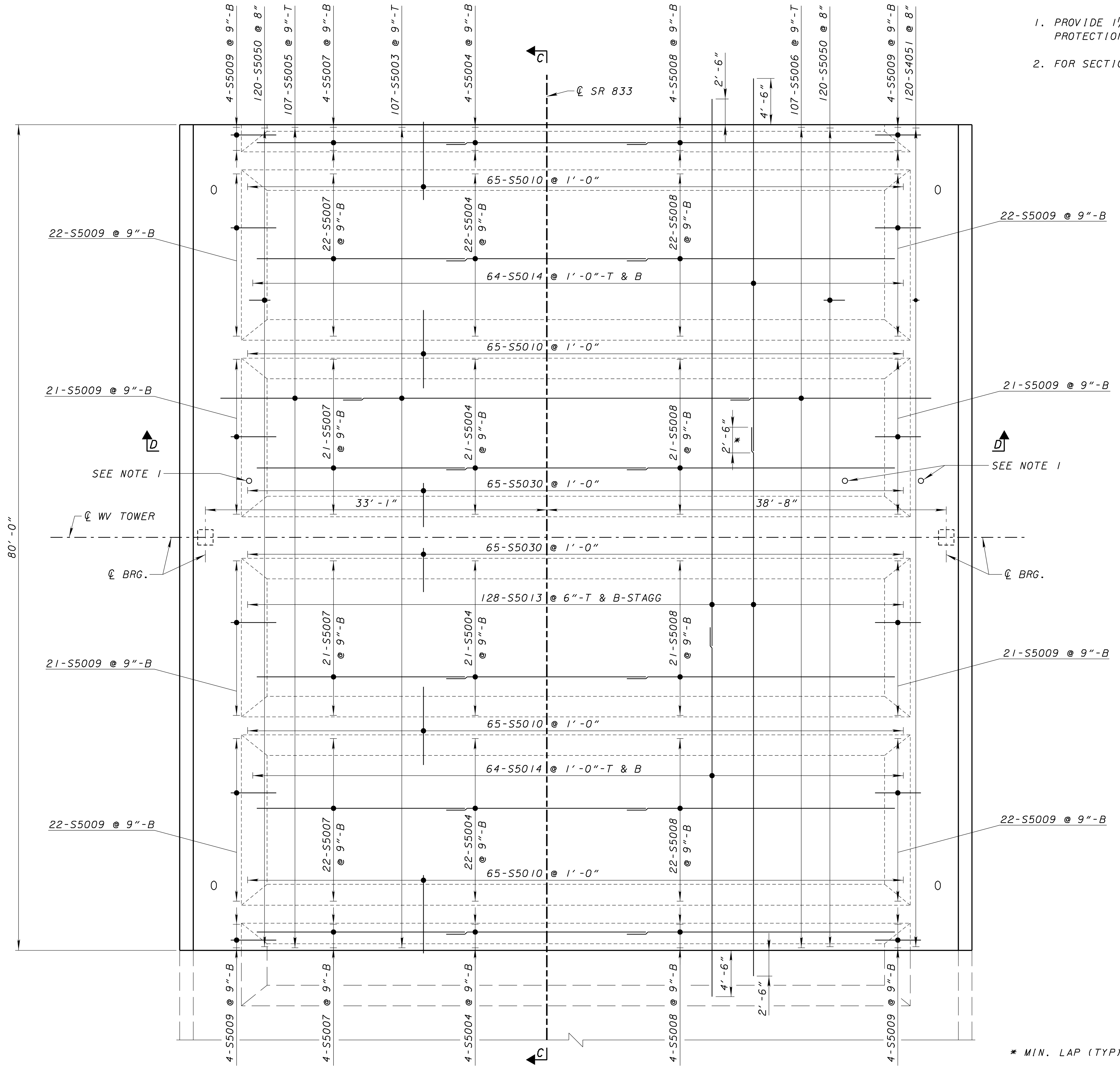
NOTES

1. PROVIDE 1¼" DIAMETER PVC SLEEVE FOR LIGHTNING PROTECTION SYSTEM. SEE SHEET NOS. 182-184/243 .
2. FOR SECTIONS C-C AND D-D, SEE SHEET NO. 113/243 .



* MIN. LAP (TYP)

WEST VIRGINIA PIER SEGMENT

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED BP	DRAWN AMH	REVIEWED SLS	DATE 8-02
CHECKED PS	REVISED	STRUCTURE FILE NUMBER 5300916 OH 10385 WV	

DECK REINFORCEMENT - WV PIER TABLE (1)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

112/243

442/582

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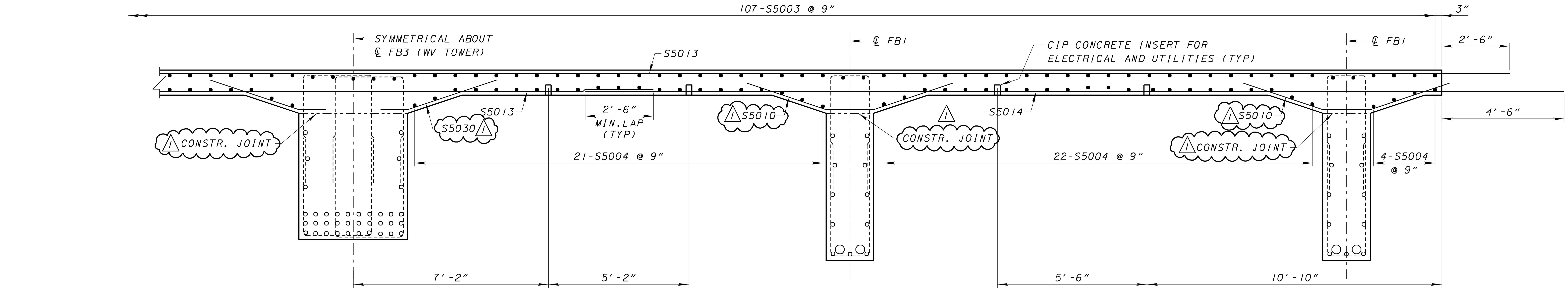
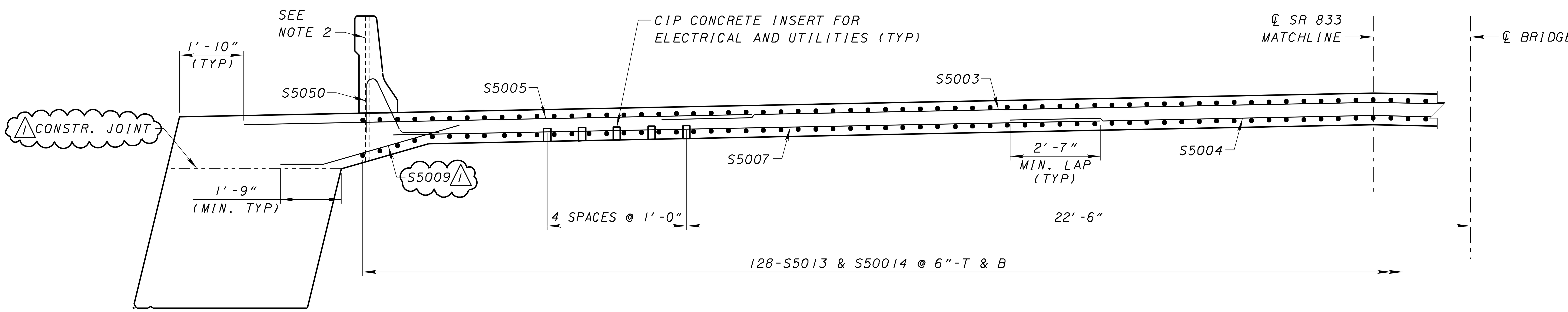


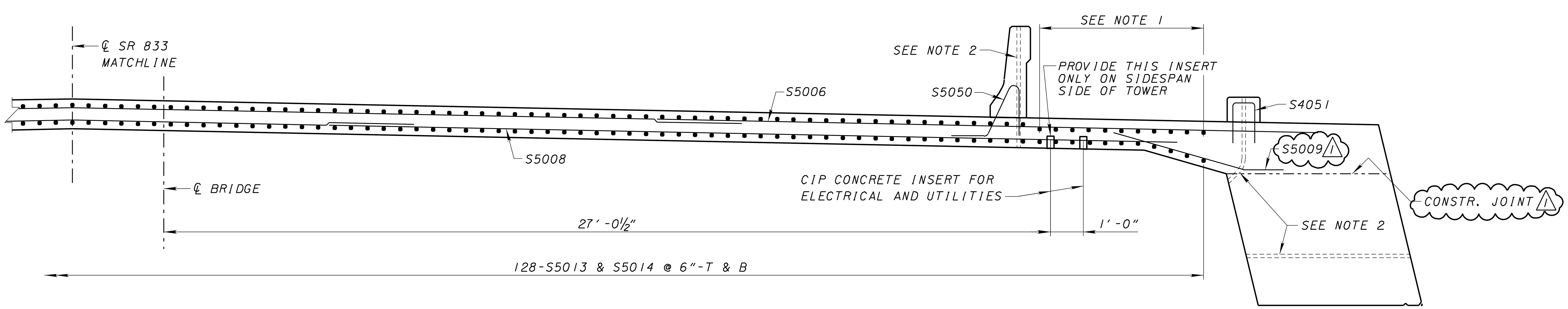
SECTION C-C



PARTIAL SECTION D-D

NOTES

1. TOP MAT LONGITUDINAL BARS UNDER LIMITS OF SIDEWALK SHALL BE PLACED UNDER THE TRANSVERSE REINFORCEMENT.
2. PROVIDE 1¼" DIAMETER PVC SLEEVES FOR LIGHTNING PROTECTION SYSTEM. SEE SHEET NOS. 182-184/243 .



PARTIAL SECTION D-D

DECK REINFORCEMENT - WV PIER TABLE (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

NUMBER	REVISION	DATE:	BY:
1	AS-BUILT	6-09	DLJ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED	CHECKED	DRAWN	REVISED	REVIEWED	DATE
BP	PS	AMH		SLS	8-02

STRUCTURE FILE NUMBER 5300916 OH 10385 WV

MEG-33-15.70

113/243

443/582

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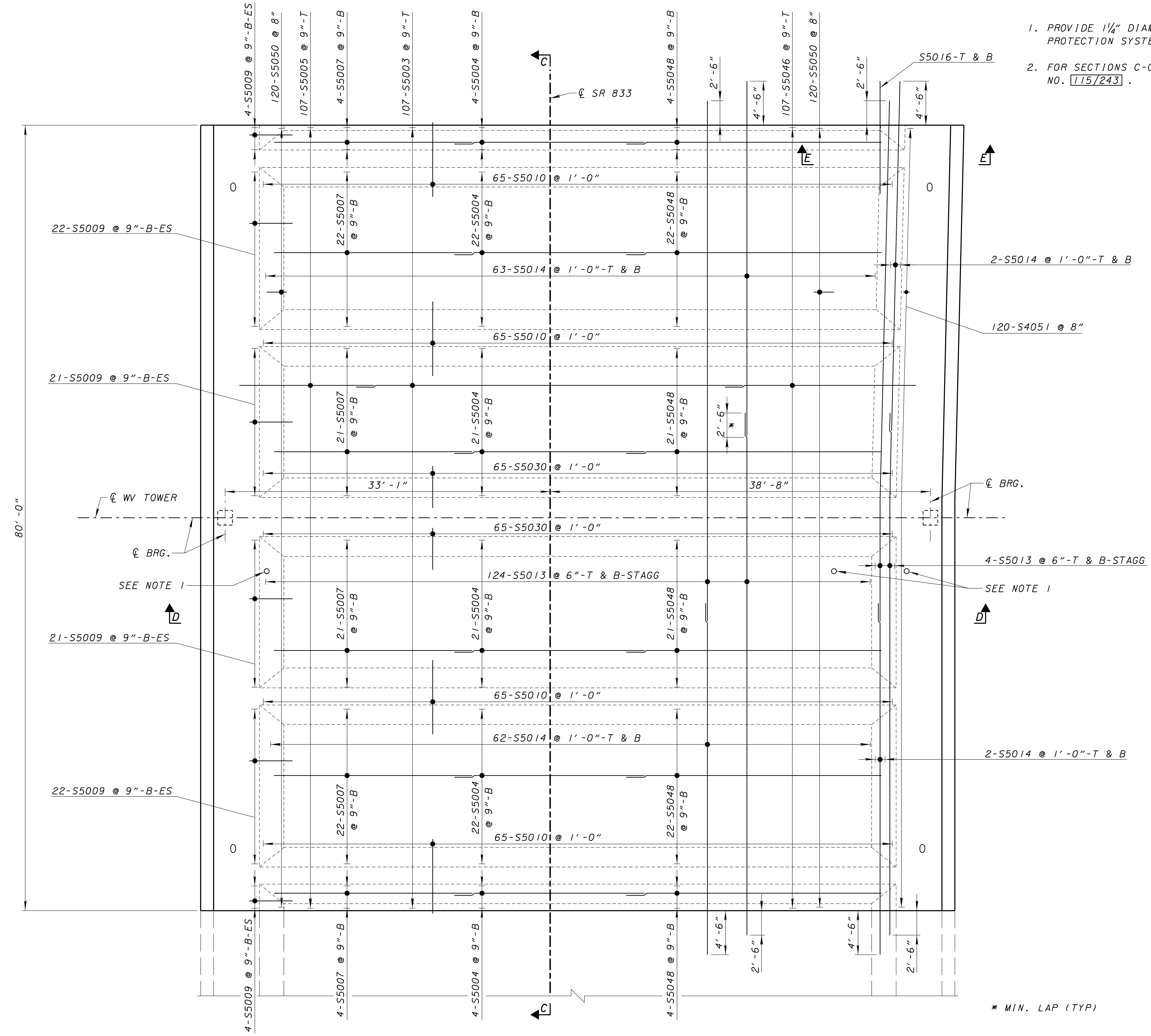
NOTES

1. PROVIDE 1¼" DIAMETER PVC SLEEVES FOR LIGHTNING PROTECTION SYSTEM. SEE SHEET NOS. 182-184/243 .
2. FOR SECTIONS C-C D-D AND E-E, SEE SHEET NO. 115/243 .



OHIO PIER SEGMENT

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED BP	DRAWN CER	REVIEWED SLS	DATE 8-02
CHECKED PS	REVISED	STRUCTURE FILE NUMBER 5300916 OH 10385 WV	

DECK REINFORCEMENT - OH PIER TABLE (1)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

114/243

444/582

5/16/2006 7:27:44 AM

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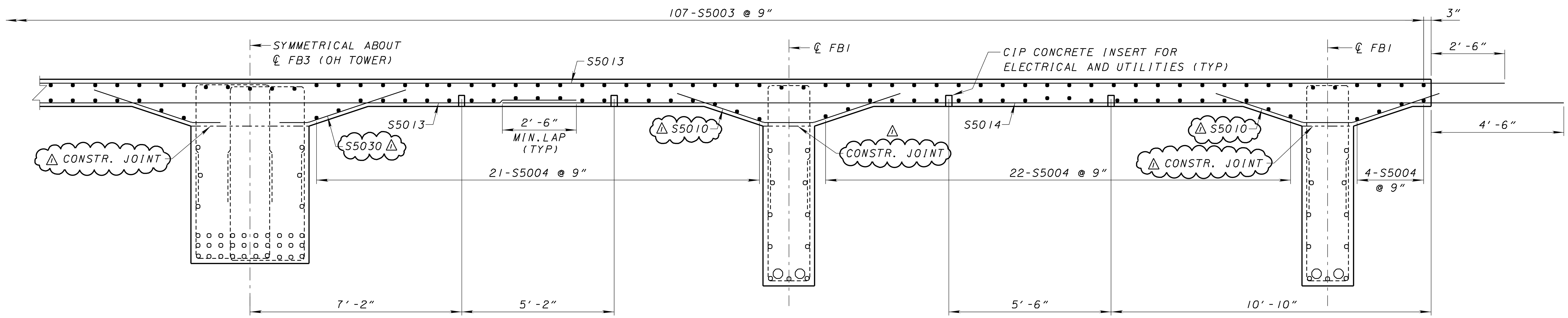
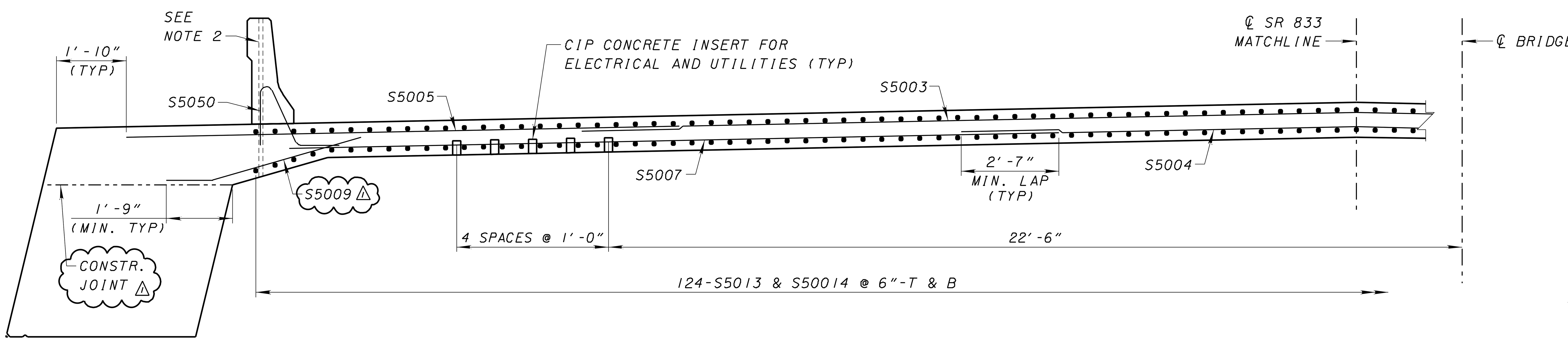
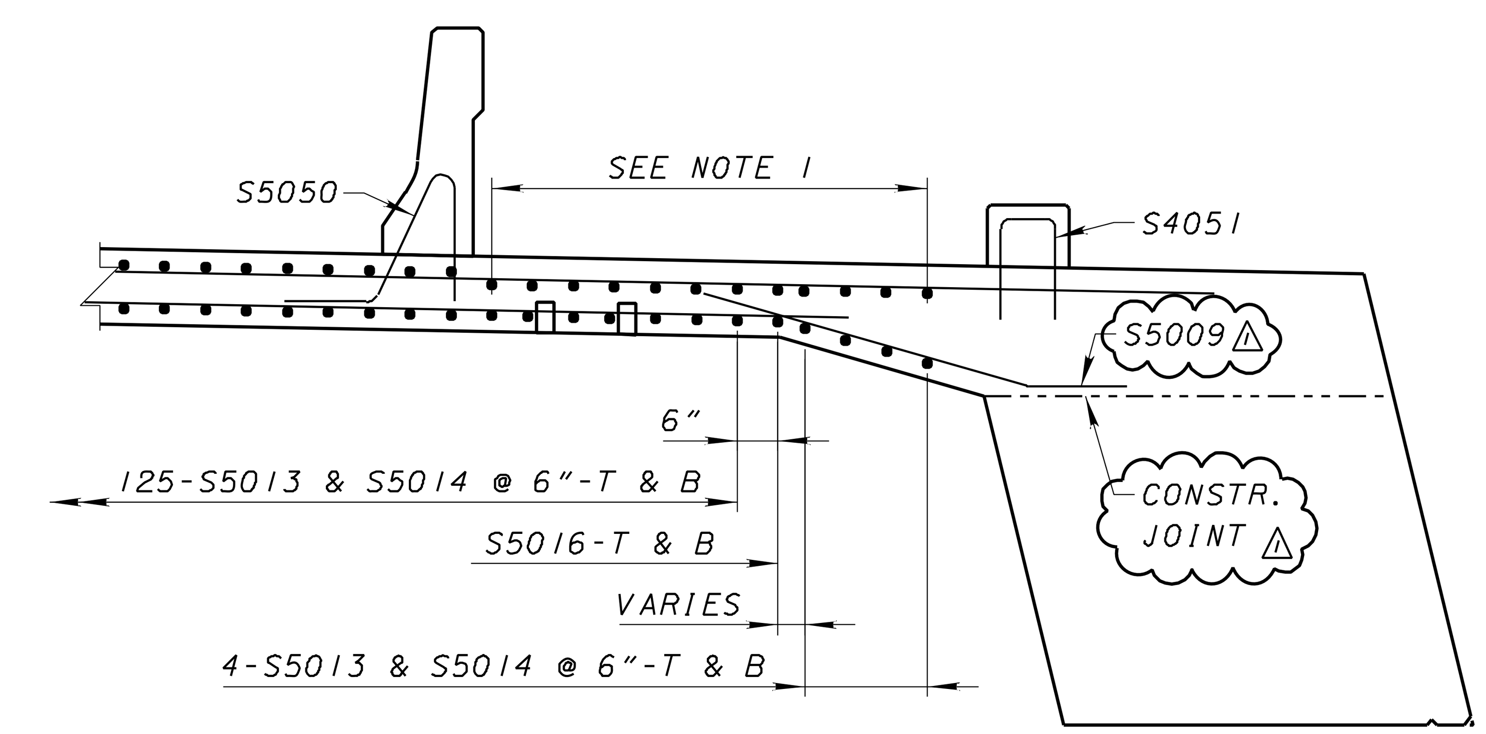


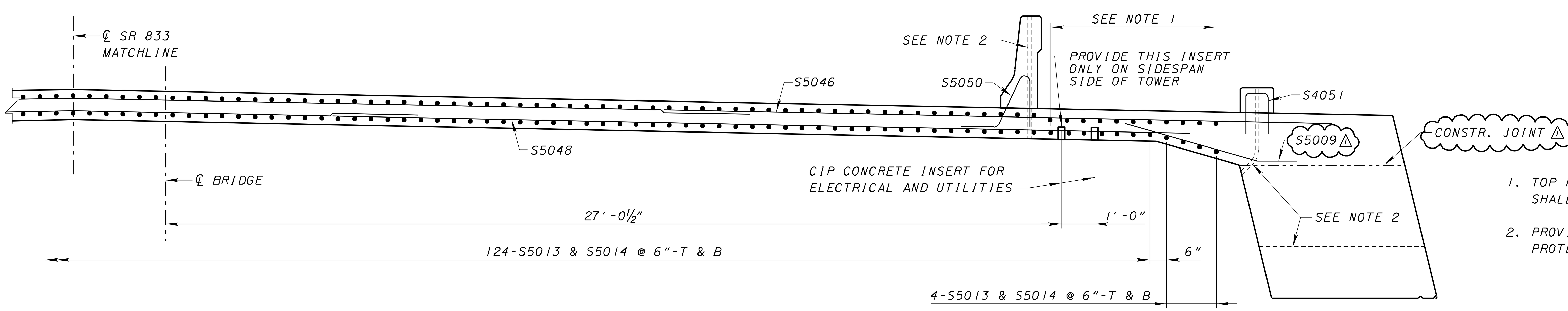
SECTION C-C



PARTIAL SECTION D-D



SECTION E-E



PARTIAL SECTION D-D

NOTES

1. TOP MAT LONGITUDINAL BARS UNDER LIMITS OF SIDEWALK SHALL BE PLACED UNDER THE TRANSVERSE REINFORCEMENT.
2. PROVIDE 1¼" DIAMETER PVC SLEEVES FOR LIGHTNING PROTECTION SYSTEM. SEE SHEET NOS. 182-184/243 .

NUMBER	REVISION	DATE:	BY:
1	AS-BUILT	6-09	DLJ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

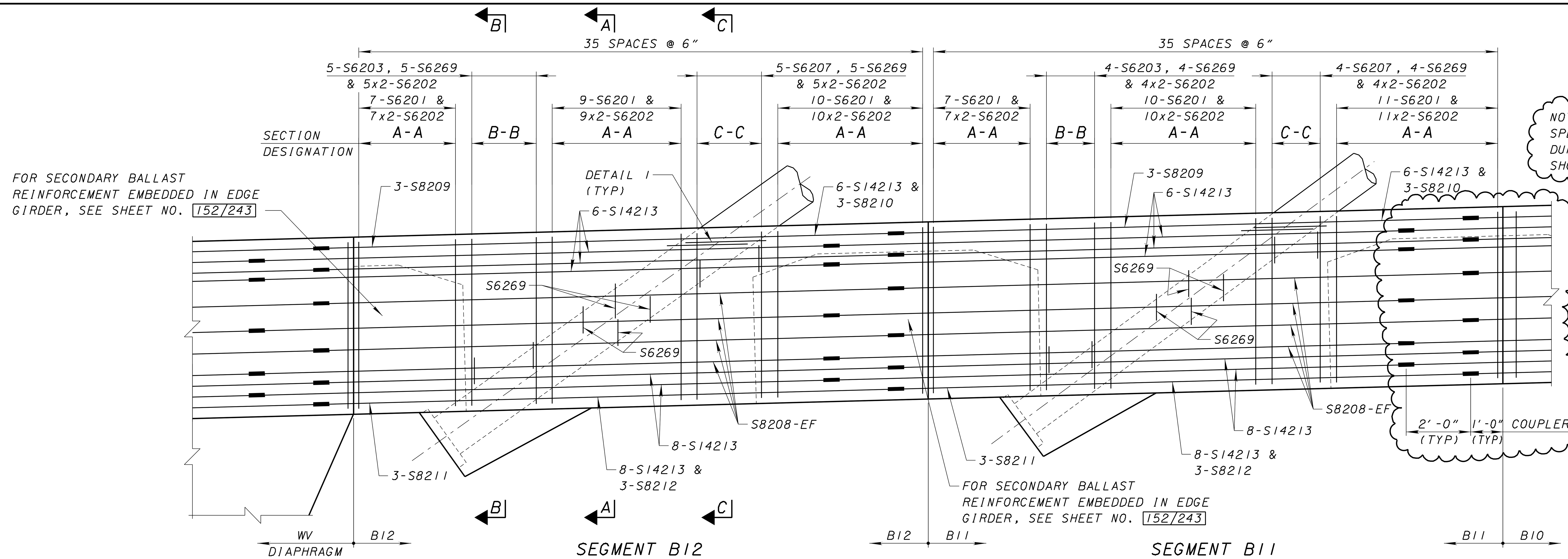
DESIGNED BP | CHECKED PS | DRAWN CER | REVISED | REVIEWED SLS | DATE 8-02 | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

DECK REINFORCEMENT - OH PIER TABLE (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

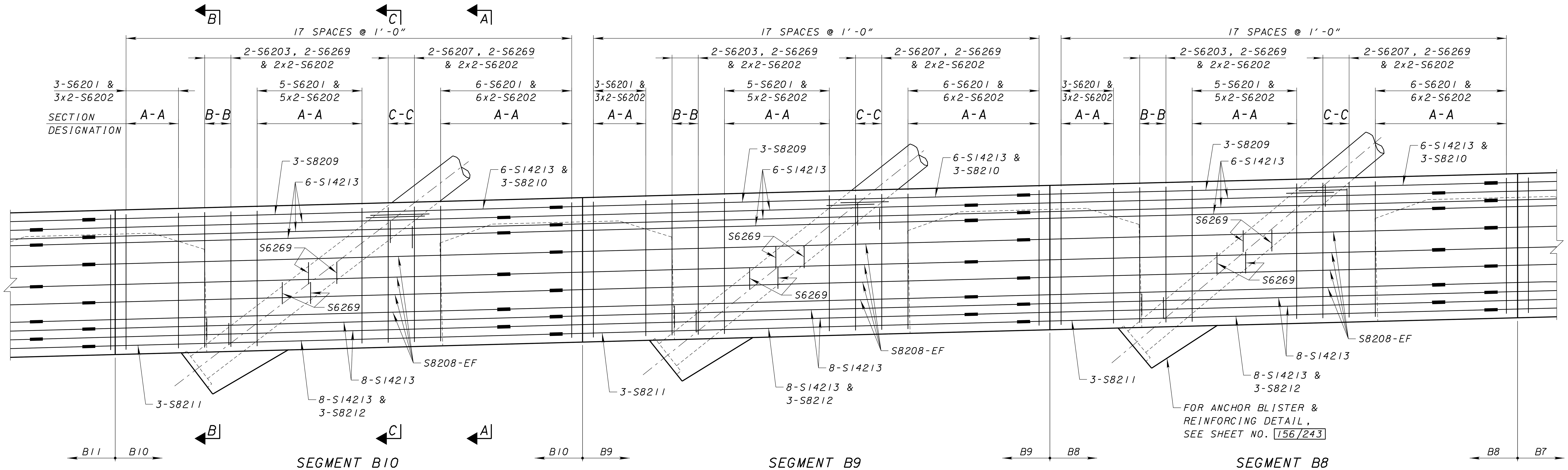
MEG-33-15.70

115/243

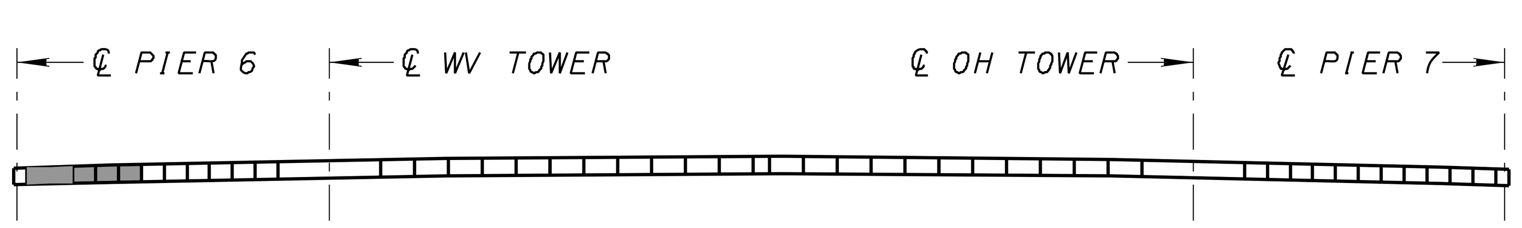
445/582



NOTE:
SPLICE LOCATIONS MODIFIED DURING CONSTRUCTION. SEE SHOP DRAWING SUBMITTALS. (TYP)



EDGE GIRDER ELEVATION



KEY ELEVATION

NOTES

1. FOR CROSS SECTIONS, SEE SHEET NO. 128/243 .
2. FOR DETAIL 1, SEE SHEET NO. 132/243 .

NUMBER	REVISION	DATE	BY
1	AS-BUILT	6-09	DLJ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

REVIEWED SLS DATE 8-02
STRUCTURE FILE NUMBER 5300916 OH 10385 WV
DRAWN CER REVISED
DESIGNED RJB CHECKED MWL

EDGE GIRDER REINFORCEMENT (1)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

116/243

446/582

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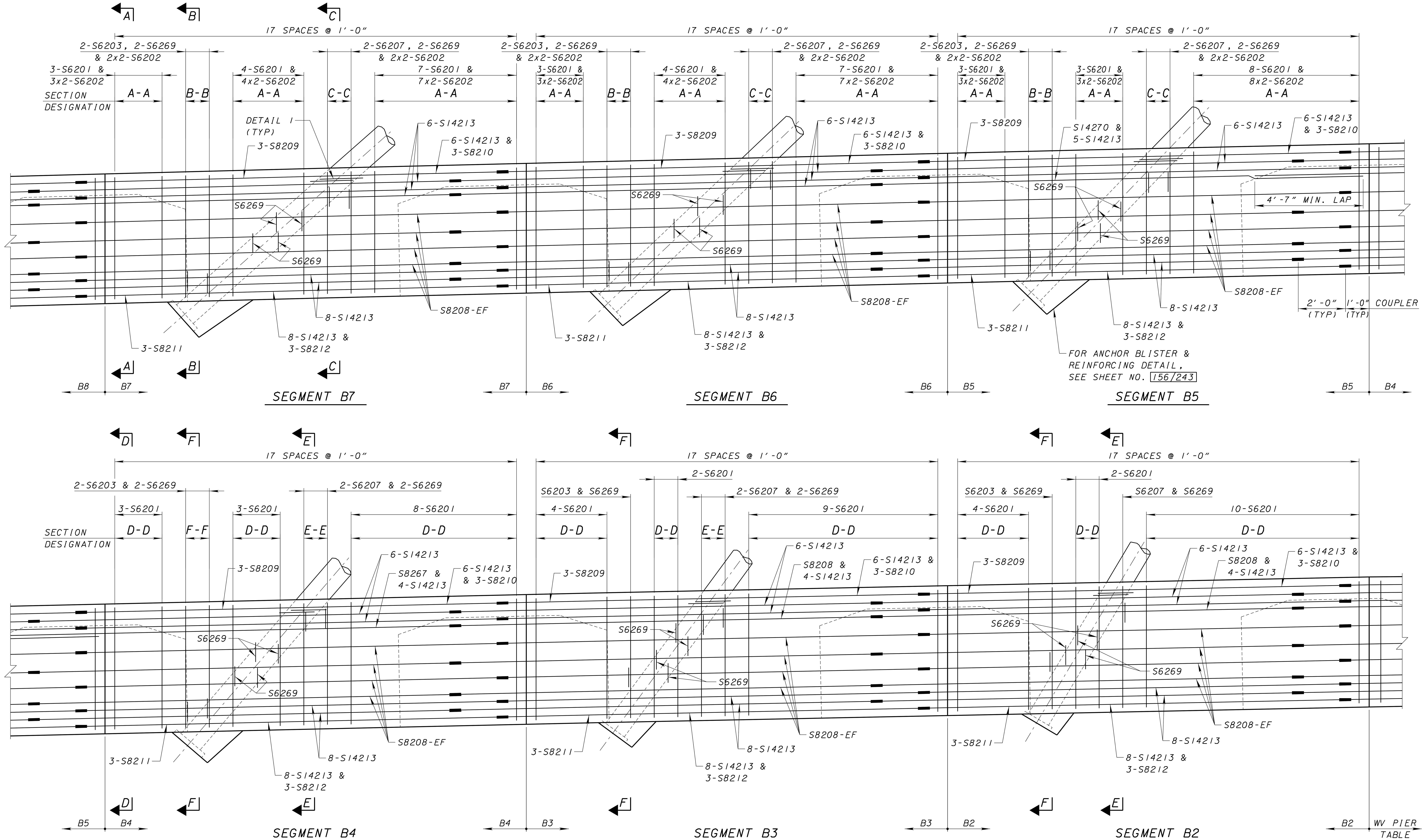
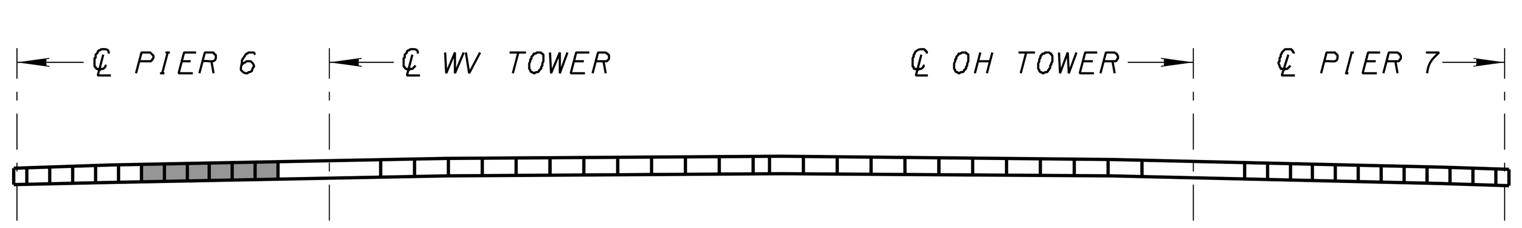


EDGE GIRDER ELEVATION



KEY ELEVATION

NOTES

1. FOR CROSS SECTIONS, SEE SHEET NOS. 128-129/243.
2. FOR DETAIL 1, SEE SHEET NO. 132/243.

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED	CHECKED	DRAWN	REVISED	REVIEWED	DATE
RJB	MWL	CER		SLS	8-02

STRUCTURE FILE NUMBER 5300916 OH 10385 WV

EDGE GIRDER REINFORCEMENT (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

117/243

447/582

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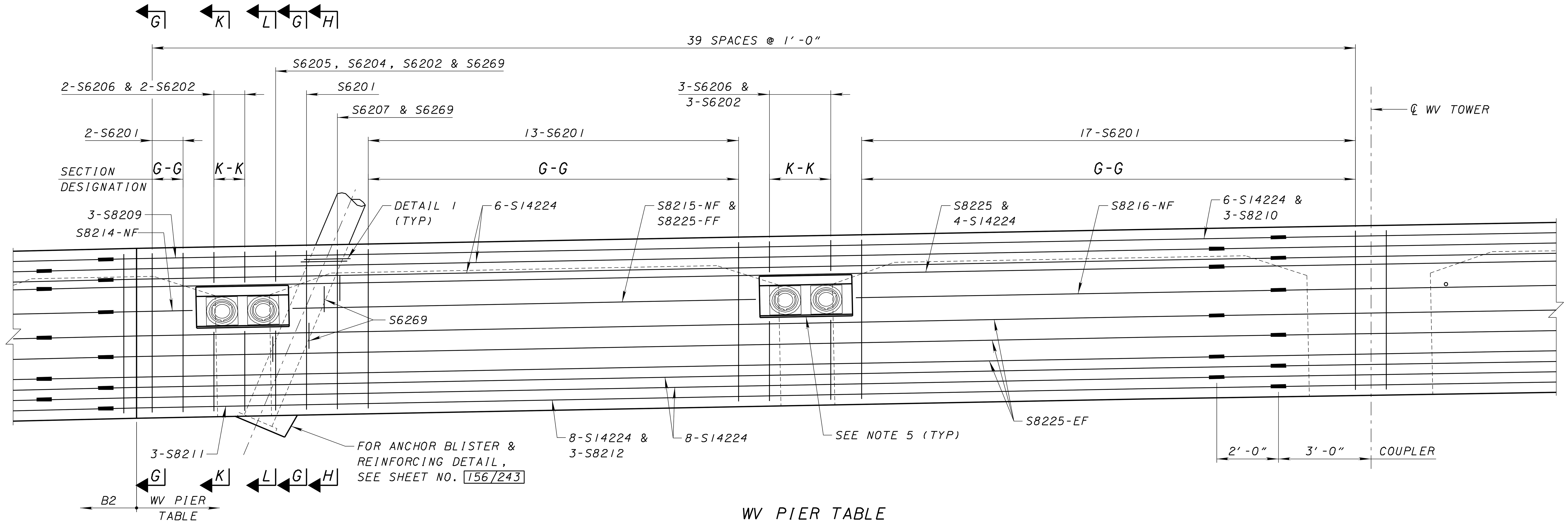
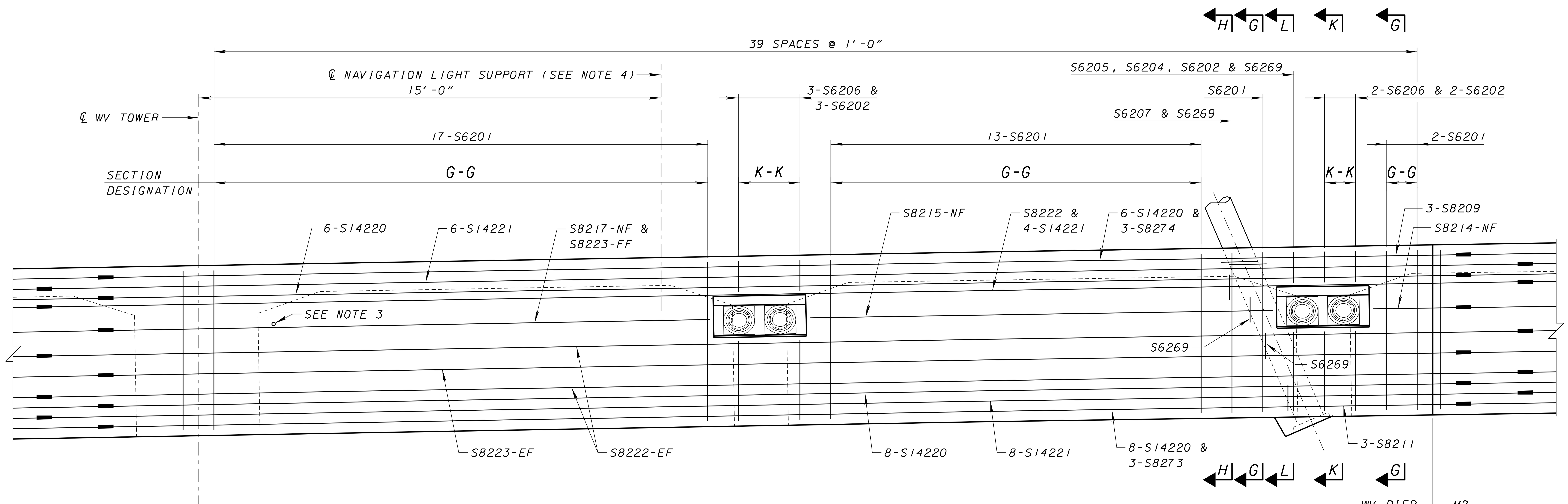
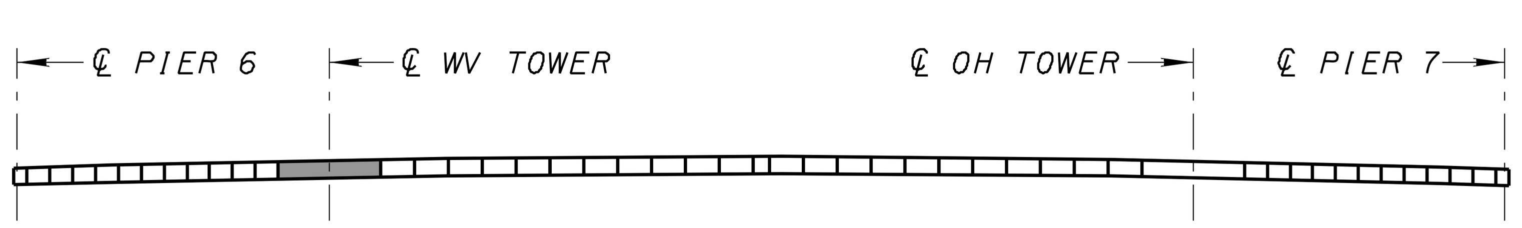


WV PIER TABLE



WV PIER TABLE

EDGE GIRDER ELEVATION



KEY ELEVATION

NOTES

1. FOR CROSS SECTIONS, SEE SHEET NOS. 129-130/243 .
2. FOR DETAIL 1, SEE SHEET NO. 132/243 .
3. PROVIDE 1¼" DIAMETER PVC SLEEVE FOR LIGHTNING PROTECTION SYSTEM. ALIGN WITH SLEEVE IN TOWER LEG. SEE SHEET NOS. 182-184/243 .
4. FOR NAVIGATION LIGHT SUPPORT BRACKET, SEE SHEET NO. 188/243 .
5. FOR P-T POCKET REINFORCEMENT, SEE SHEET NO. 132/243 .

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
RJB	CER	SLS	8-02
CHECKED MWL	REVISED	STRUCTURE FILE NUMBER 5300916 OH 10385 WV	

EDGE GIRDER REINFORCEMENT (3)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

118/243

448/582

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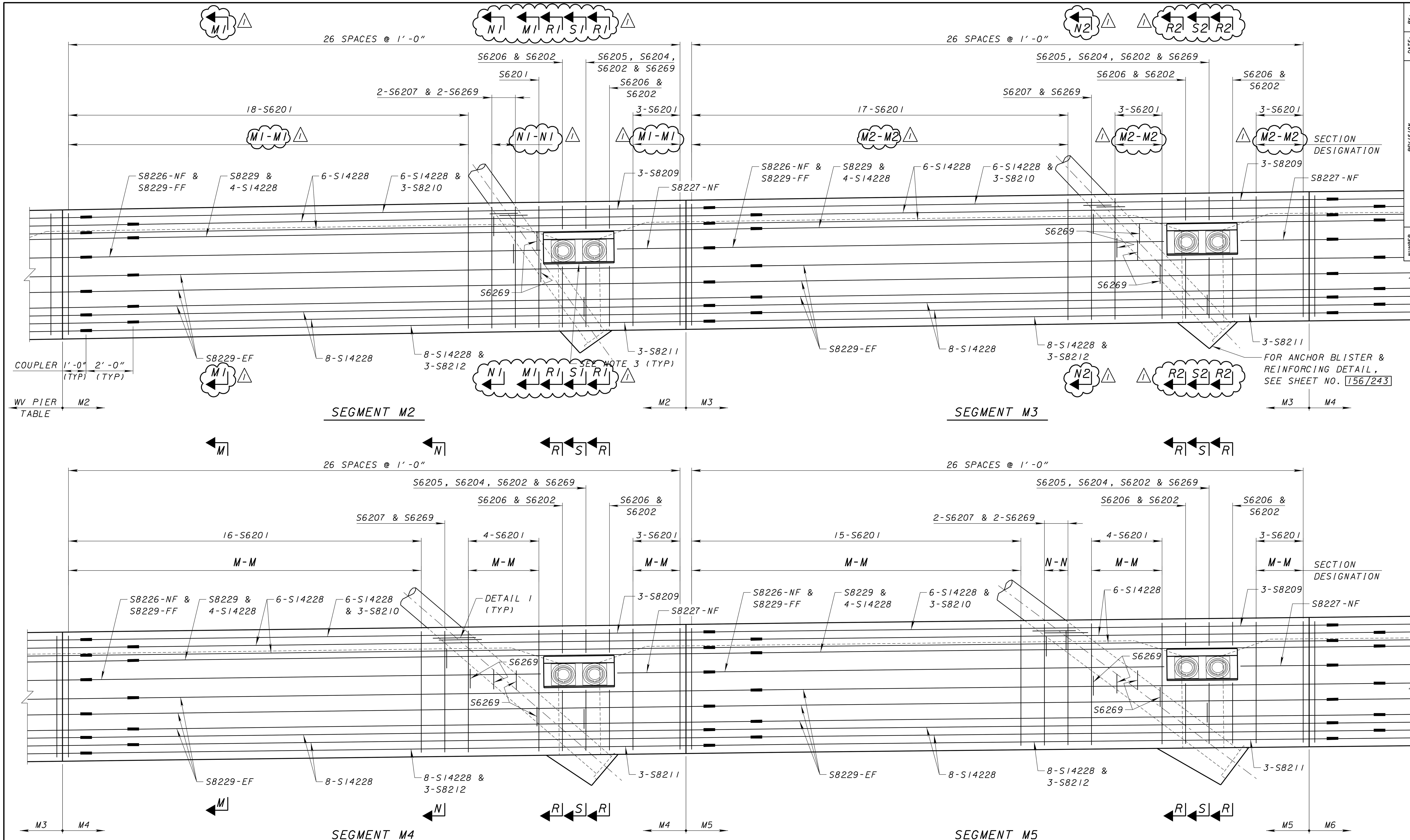
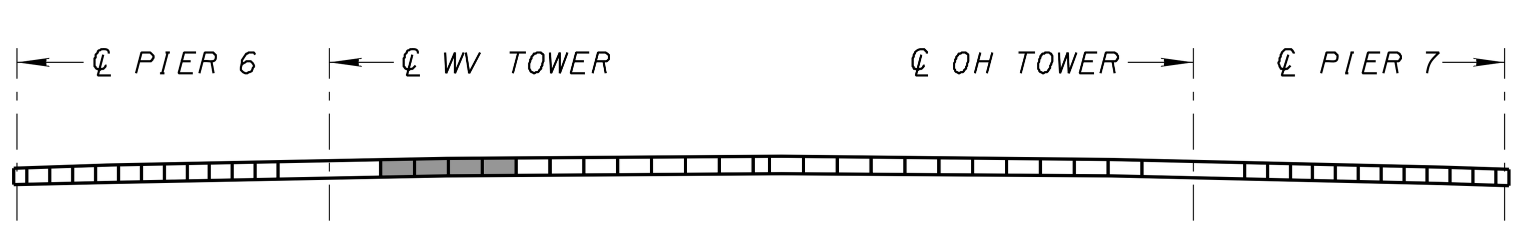


EDGE GIRDER ELEVATION



KEY ELEVATION

NOTES

1. FOR CROSS SECTIONS, SEE SHEET NOS. 130-131/243.
2. FOR DETAIL 1, SEE SHEET NO. 132/243.
3. FOR P-T POCKET REINFORCEMENT, SEE SHEET NO. 132/243.

NUMBER	REVISION	DATE	BY
△	AS-BUILT	6-09	DLJ

DESIGN AGENCY: BRW HAZELET & ERDAL, A URS COMPANY, (513) 651-3440, 36 EAST 7TH STREET, SUITE 2300, CINCINNATI, OHIO 45202

DESIGNED RJB	CHECKED MWL	DRAWN CER	REVISED
REVIEWED SLS	DATE 8-02	STRUCTURE FILE NUMBER 5300916 OH 10385 WV	

EDGE GIRDER REINFORCEMENT (4)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

119/243

449/582

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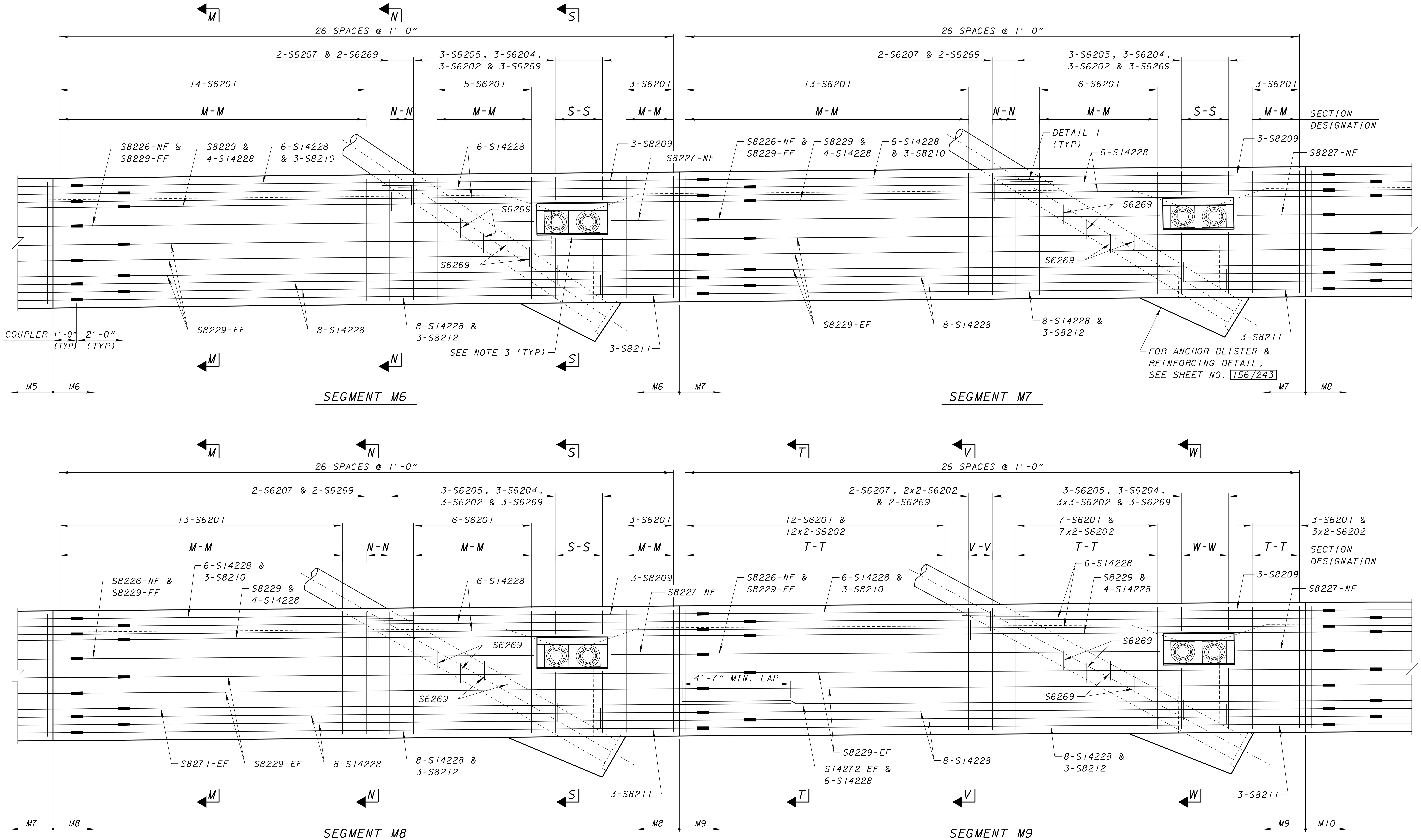
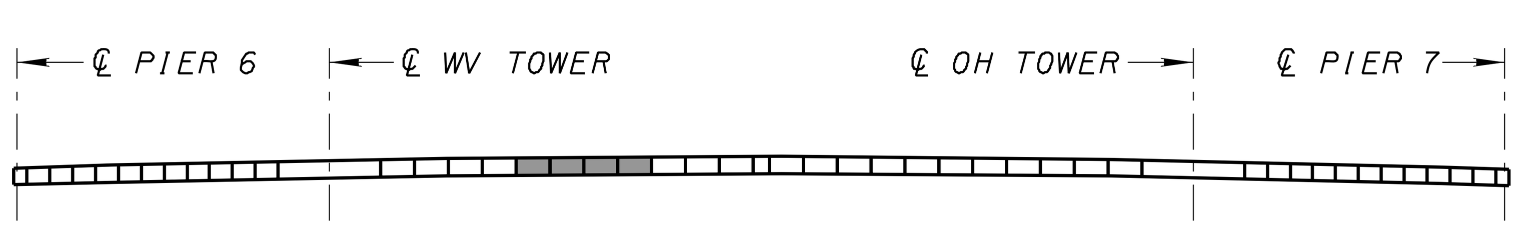


EDGE GIRDER ELEVATION



KEY ELEVATION

NOTES

1. FOR CROSS SECTIONS, SEE SHEET NOS. 130-132/243.
2. FOR DETAIL 1, SEE SHEET NO. 132/243.
3. FOR P-T POCKET REINFORCEMENT, SEE SHEET NO. 132/243.

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED	CHECKED	DRAWN	REVISED	REVIEWED	DATE
RJB	MWL	CER		SLS	8-02

STRUCTURE FILE NUMBER 5300916 OH 10385 WV

EDGE GIRDER REINFORCEMENT (5)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

120/243

450/582

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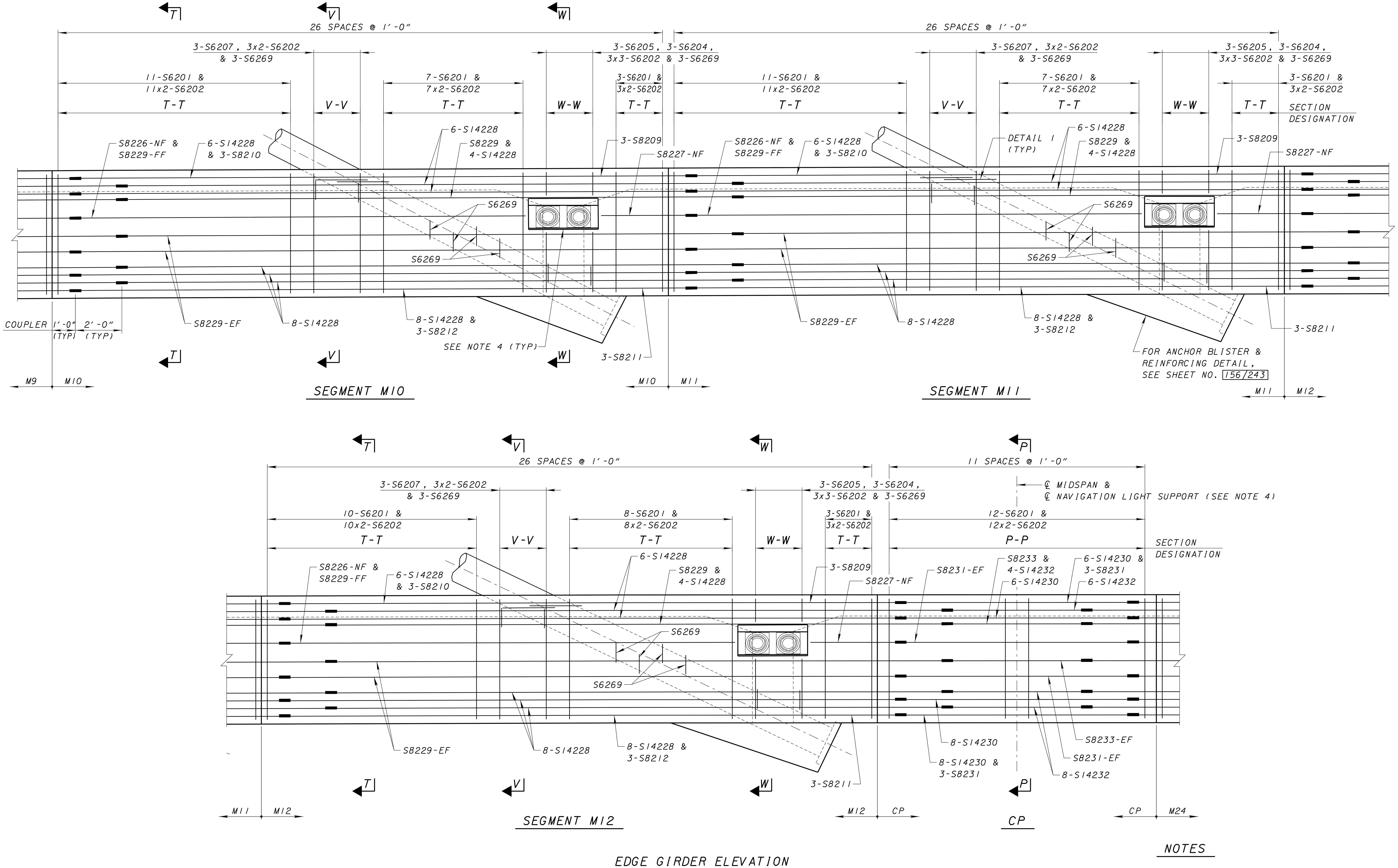

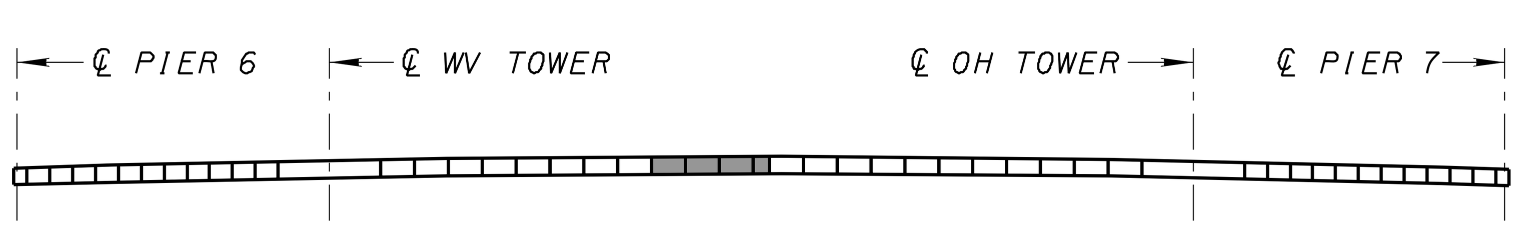

KEY ELEVATION

NOTES

1. FOR CROSS SECTIONS, SEE SHEET NOS. 131-132/243 .
2. FOR DETAIL 1, SEE SHEET NO. 132/243 .
3. FOR NAVIGATION LIGHT SUPPORT BRACKET, SEE SHEET NO. 188/243 .
4. FOR P-T POCKET REINFORCEMENT, SEE SHEET NO. 132/243 .

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

REVIEWED SLS
DATE 8-02
STRUCTURE FILE NUMBER 5300916 OH 10385 WV
DRAWN CER
REVISED
DESIGNED RJB
CHECKED MWL

EDGE GIRDER REINFORCEMENT (6)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

121/243

451/582

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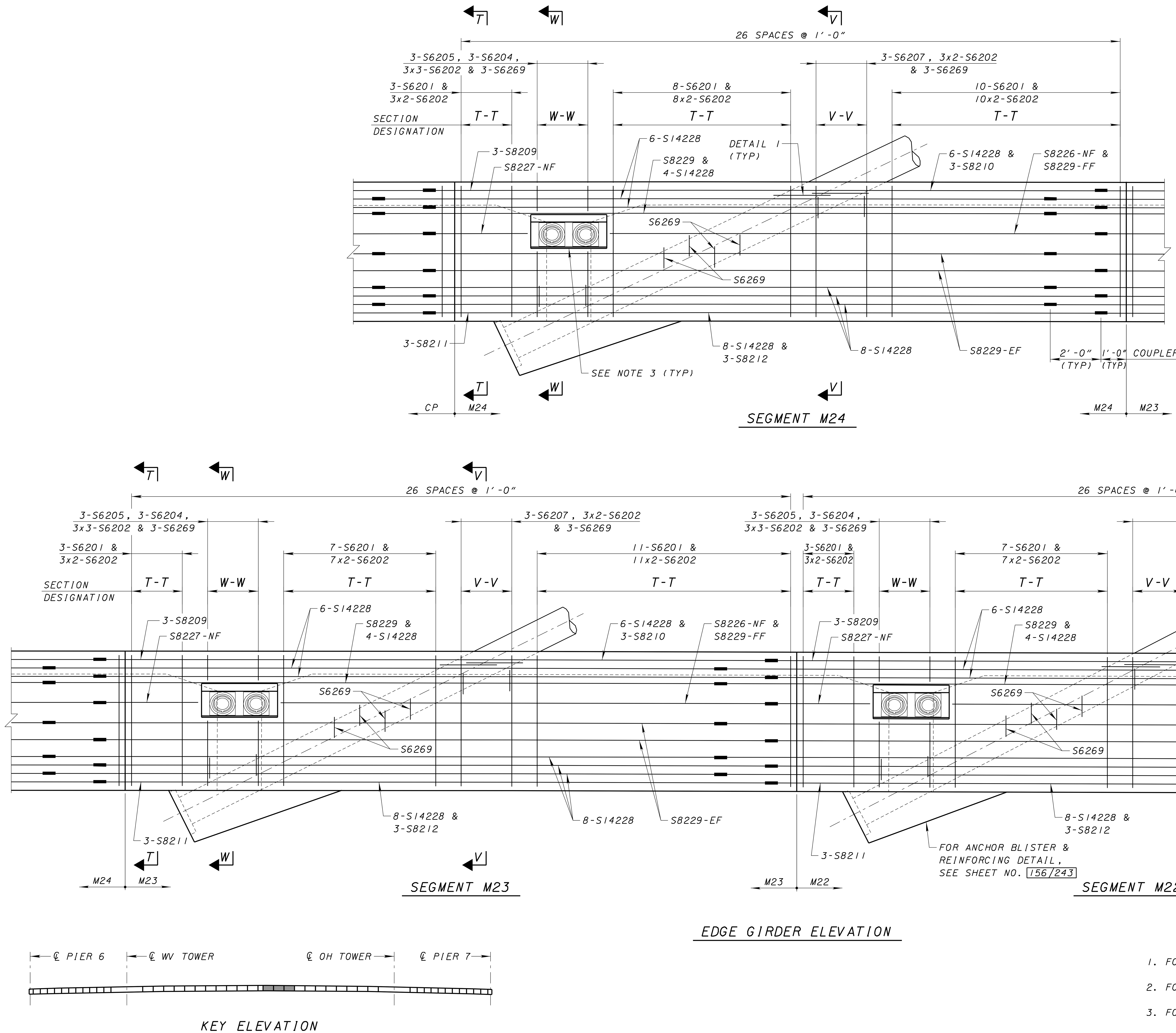

NOTES

1. FOR CROSS SECTIONS, SEE SHEET NOS. 131-132/243 .
2. FOR DETAIL 1, SEE SHEET NO. 132/243 .
3. FOR P-T POCKET REINFORCEMENT, SEE SHEET NO. 132/243 .

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
RJB	CER	SLS	8-02
CHECKED MWL	REVISED	STRUCTURE FILE NUMBER 5300916 OH 10385 WV	

EDGE GIRDER REINFORCEMENT (7)

BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

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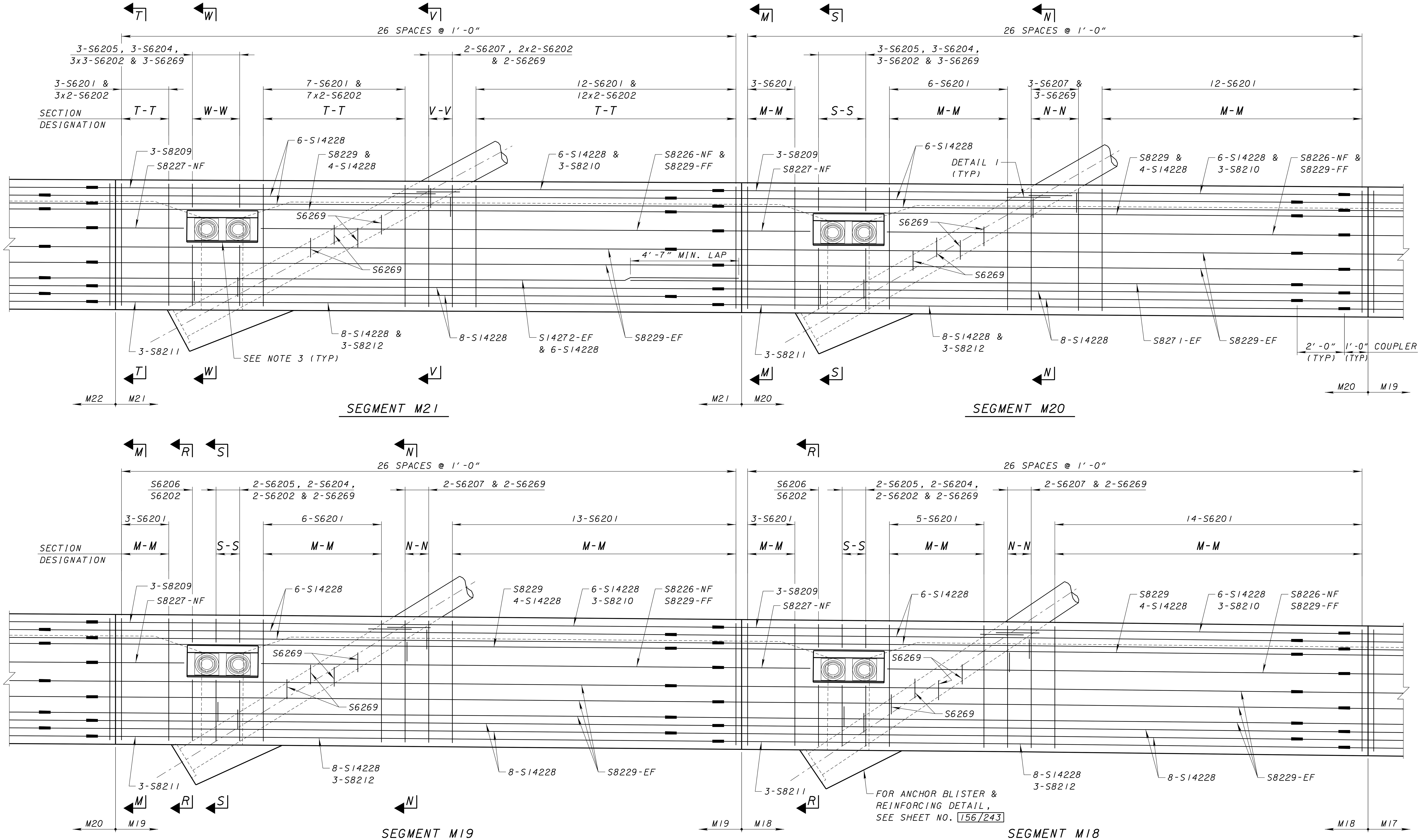
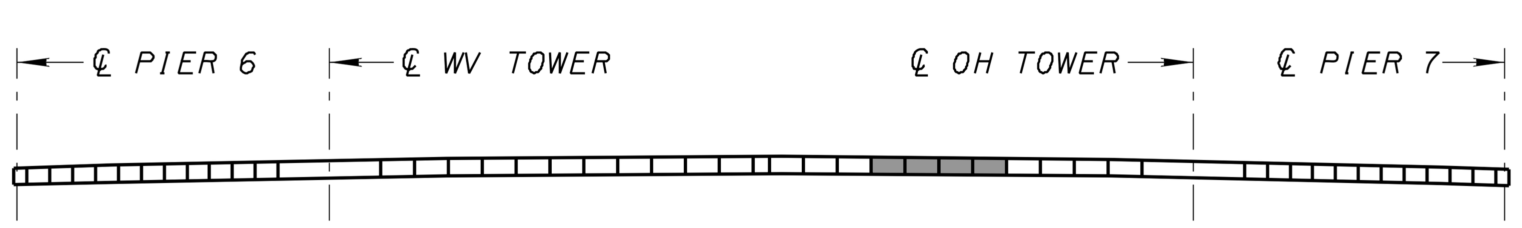


EDGE GIRDER ELEVATION



KEY ELEVATION

NOTES

1. FOR CROSS SECTIONS, SEE SHEET NOS. 130-132/243.
2. FOR DETAIL 1, SEE SHEET NO. 132/243.
3. FOR P-T POCKET REINFORCEMENT, SEE SHEET NO. 132/243.

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3410
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DATE 8-02 | REVIEWED SLS | STRUCTURE FILE NUMBER 5300916 OH 10385 WV | DRAWN CER | REVISED | DESIGNED RJB | CHECKED MWL

EDGE GIRDER REINFORCEMENT (8)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

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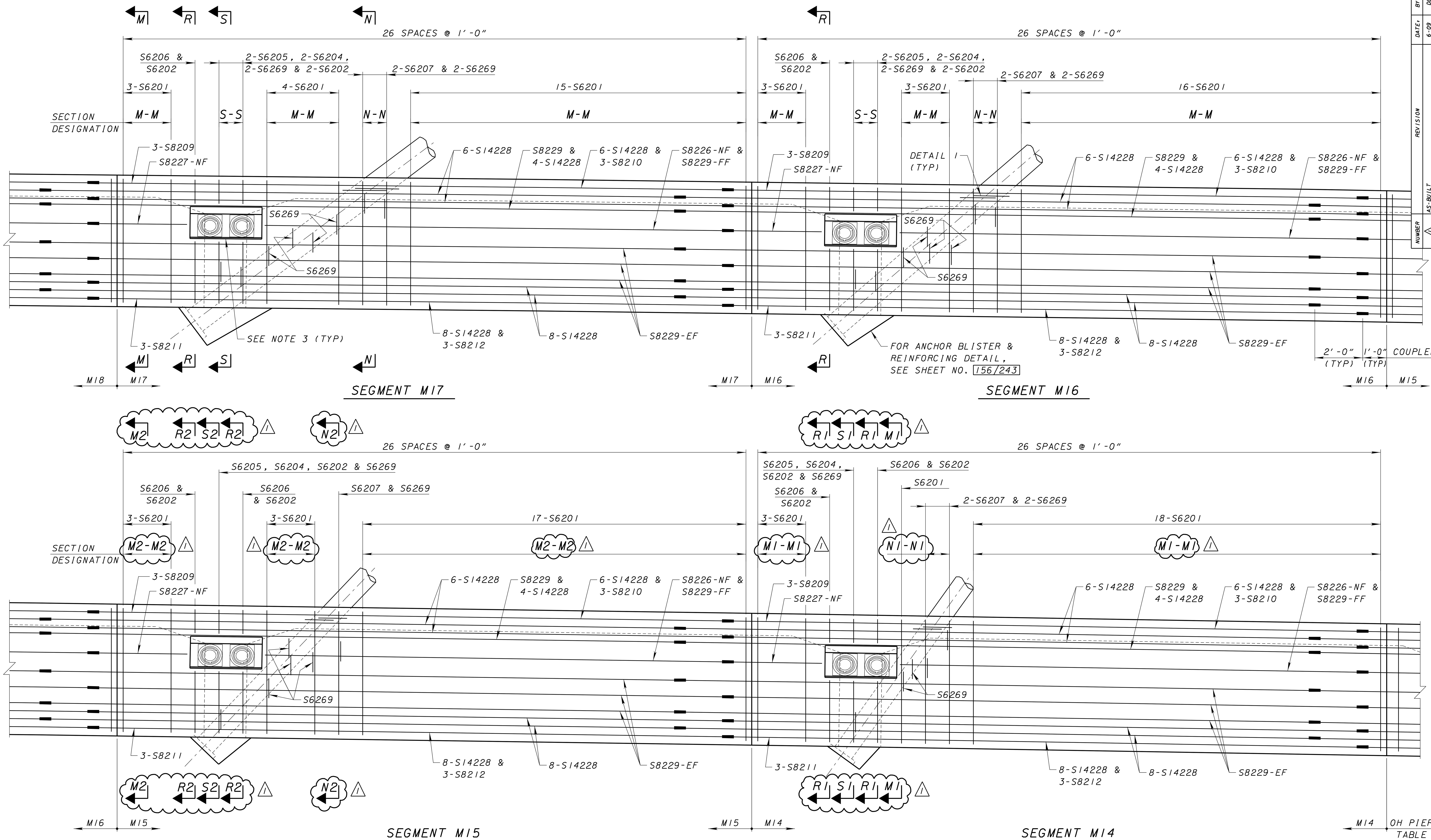
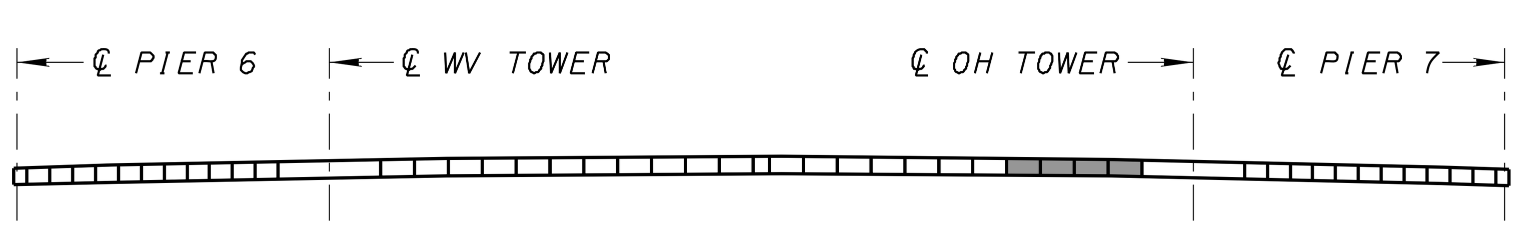


EDGE GIRDER ELEVATION



KEY ELEVATION

NOTES

1. FOR CROSS SECTIONS, SEE SHEET NOS. 130-131/243.
2. FOR DETAIL 1, SEE SHEET NO. 132/243.
3. FOR P-T POCKET REINFORCEMENT, SEE SHEET NO. 132/243.

NUMBER	REVISION	DATE	BY
△	AS-BUILT	6-09	DLJ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED RJB | CHECKED MWL | DRAWN CER | REVISED | REVIEWED SLS | DATE 8-02 | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

EDGE GIRDER REINFORCEMENT (9)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

124/243

454/582

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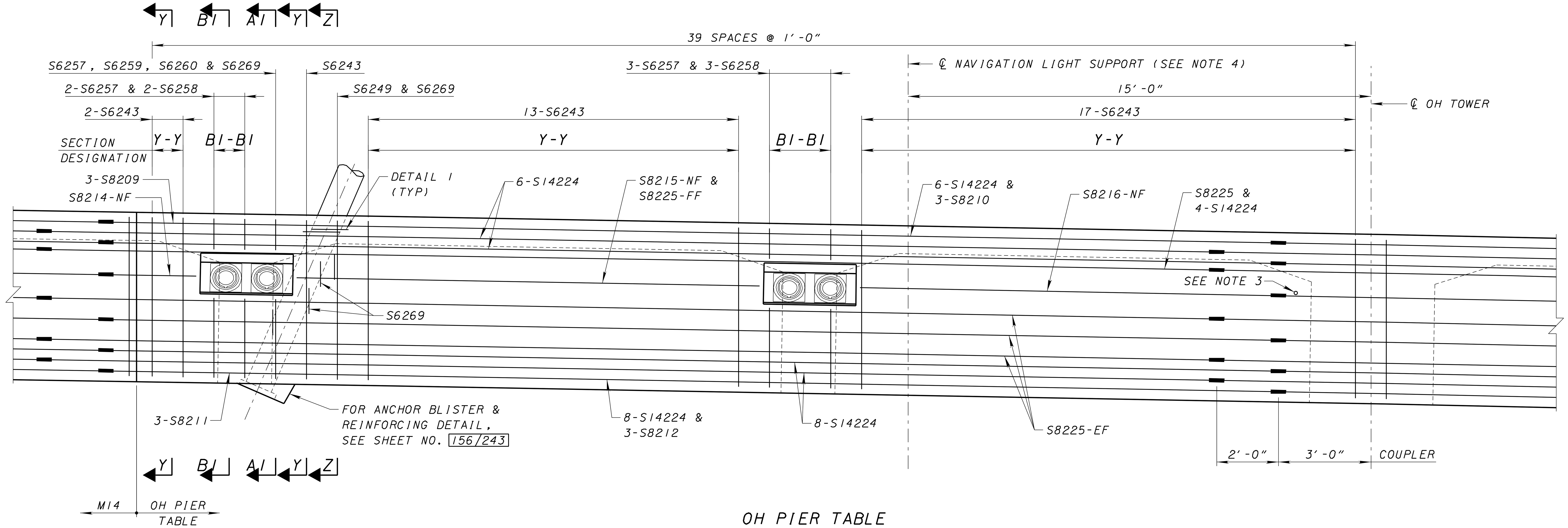
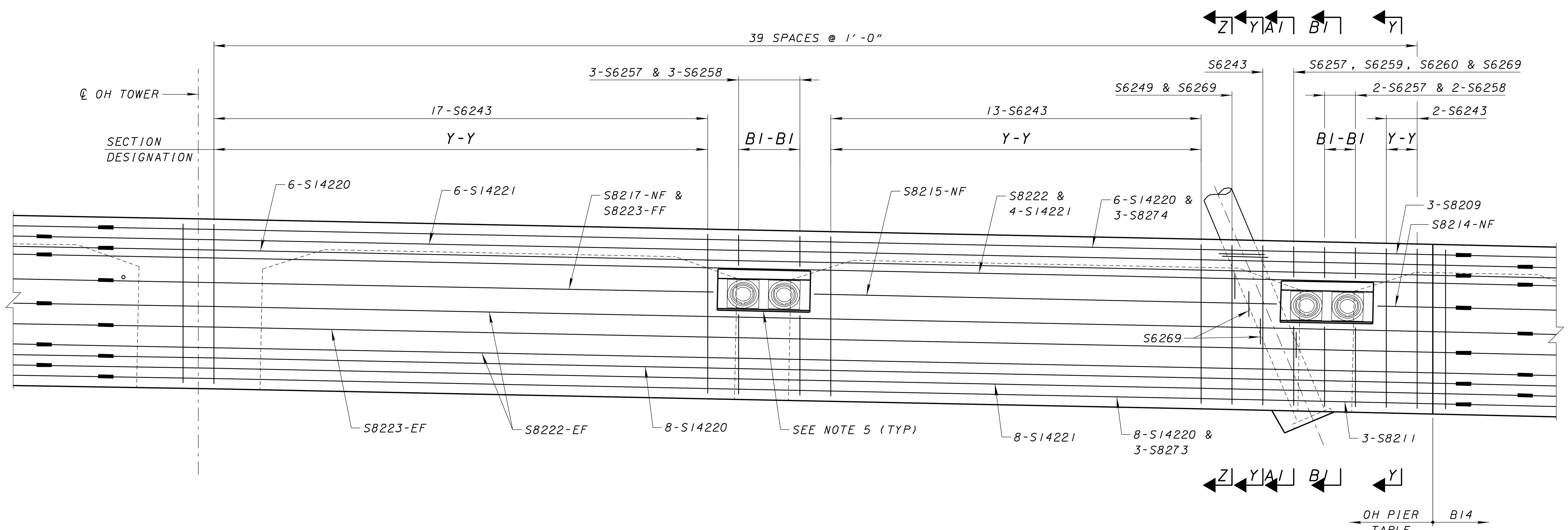
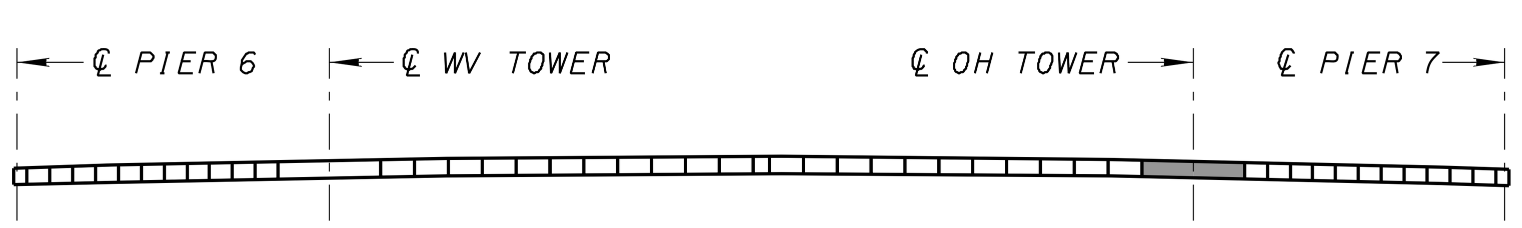


OH PIER TABLE



OH PIER TABLE

EDGE GIRDER ELEVATION



KEY ELEVATION

NOTES

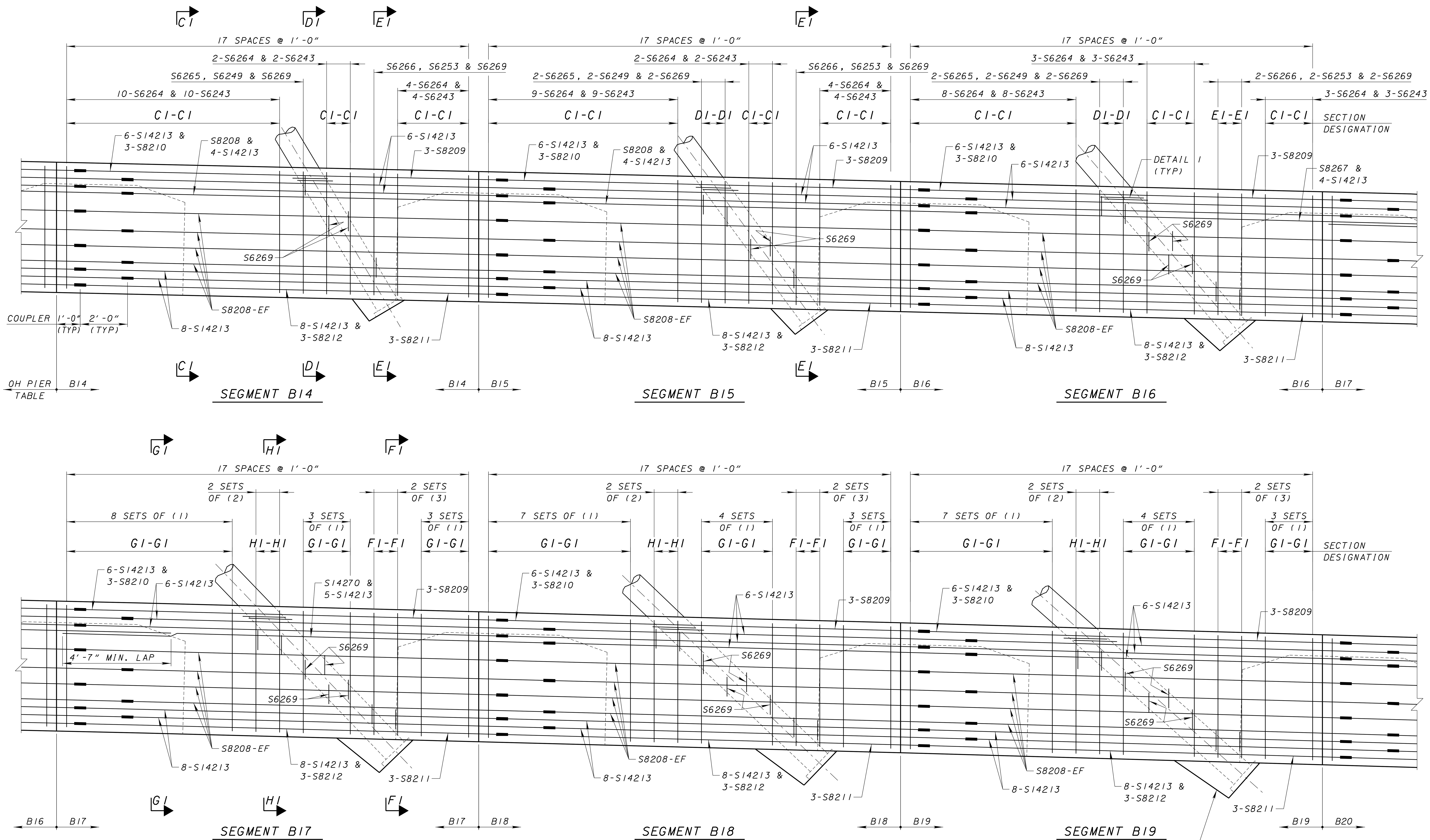
1. FOR CROSS SECTIONS, SEE SHEET NO. 133/243.
2. FOR DETAIL 1, SEE SHEET NO. 132/243.
3. PROVIDE 1¼" DIAMETER PVC SLEEVE FOR LIGHTNING PROTECTION SYSTEM. ALIGN WITH SLEEVE IN TOWER LEG. SEE SHEET NOS. 182-184/243.
4. FOR NAVIGATION LIGHT SUPPORT BRACKET, SEE SHEET NO. 188/243.
5. FOR P-T POCKET REINFORCEMENT, SEE SHEET NO. 132/243.

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

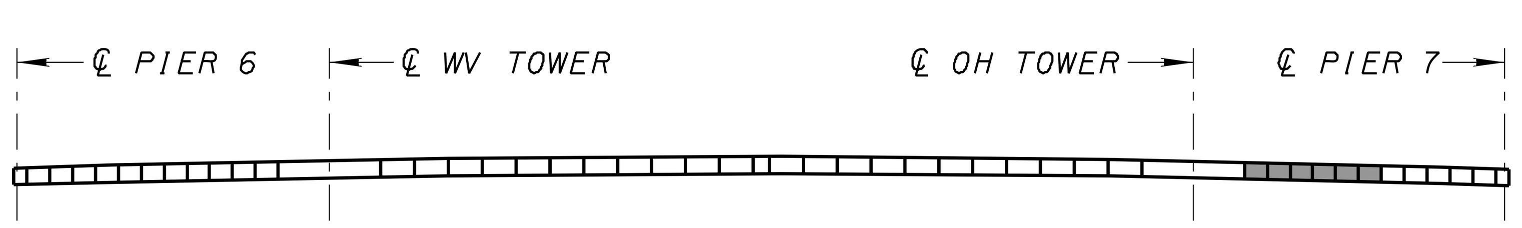
DESIGNED	DRAWN	REVIEWED	DATE
RJB	CER	SLS	8-02
CHECKED MWL	REVISED	STRUCTURE FILE NUMBER 5300916 OH / 10385 WV	

EDGE GIRDER REINFORCEMENT (10)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70



EDGE GIRDER ELEVATION



KEY ELEVATION

(1) S6237, S6238, S6243 & S6257
(2) S6238, S6257, S6247, S6249 & S6269
(3) S6238, S6257, S6251, S6253 & S6269

NOTES

1. FOR CROSS SECTIONS, SEE SHEET NOS. 134-136/243 .
2. FOR DETAIL 1, SEE SHEET NO. 132/243 .

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
RJB	CER	SLS	8-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
MWL		5300916 OH 10385 WV	

EDGE GIRDER REINFORCEMENT (II)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

126/243

456/582

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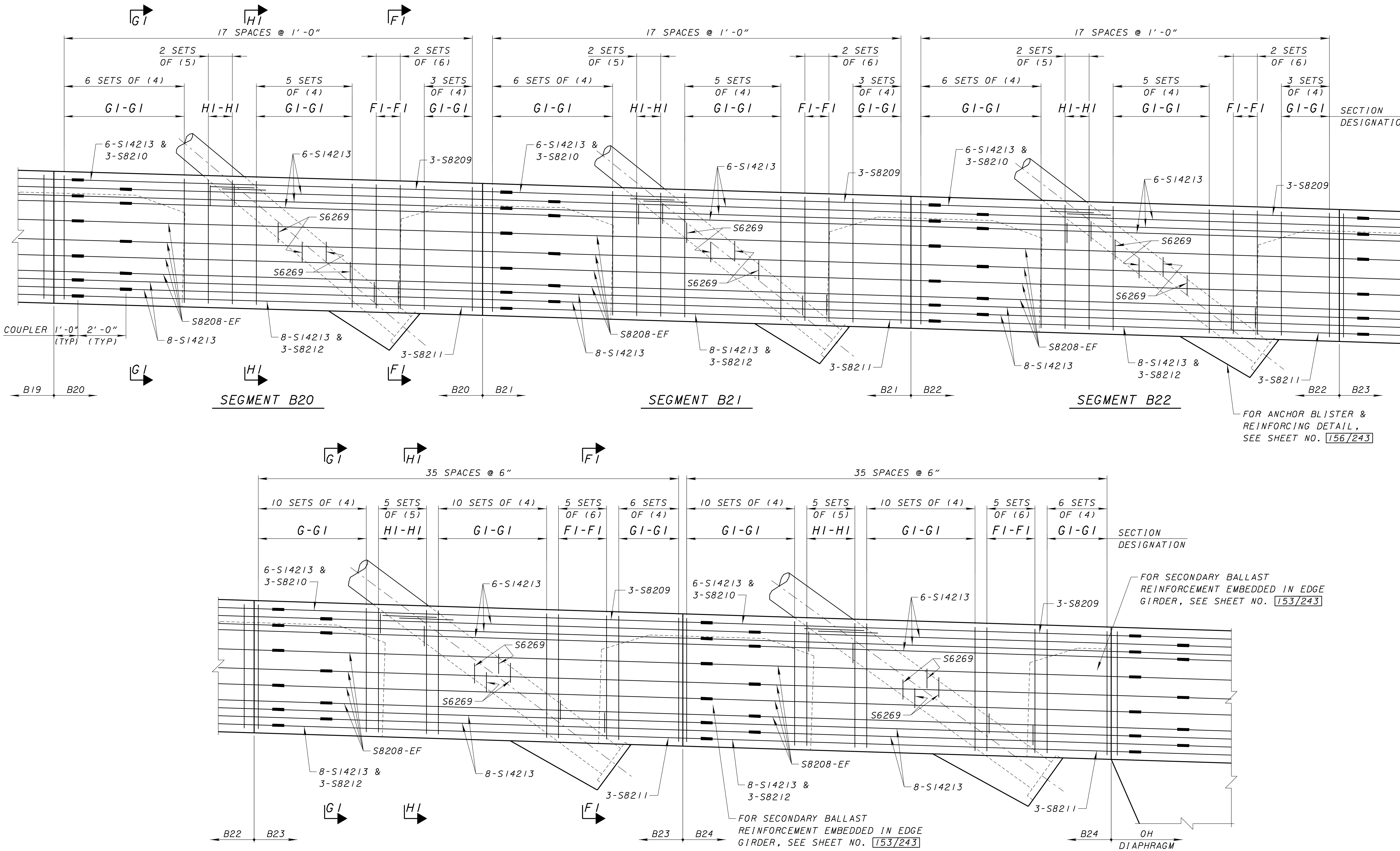
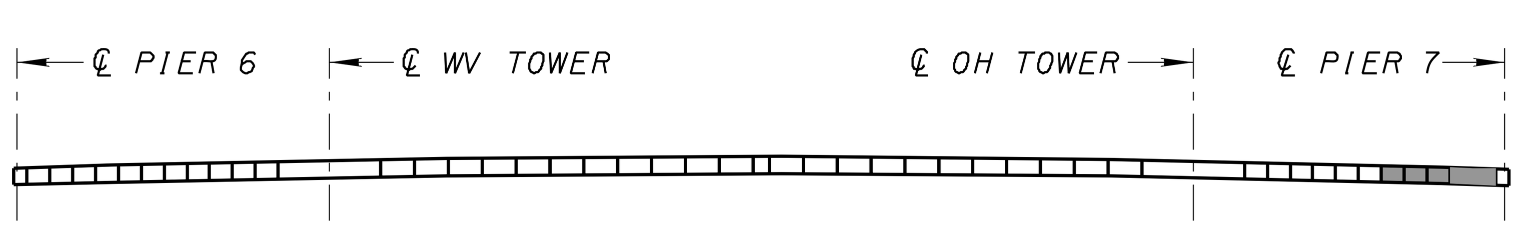


EDGE GIRDER ELEVATION



KEY ELEVATION

(4) S6234, S6235, S6243 & S6257
(5) S6235, S6246, S6249, S6257 & S6269
(6) S6235, S6250, S6253, S6257 & S6269

NOTES

1. FOR CROSS SECTIONS, SEE SHEET NOS. 135-136/243 .
2. FOR DETAIL 1, SEE SHEET NO. 132/243 .

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
RJB	CER	SLS	8-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
MWL		5300916 OH 10385 WV	

EDGE GIRDER REINFORCEMENT (12)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

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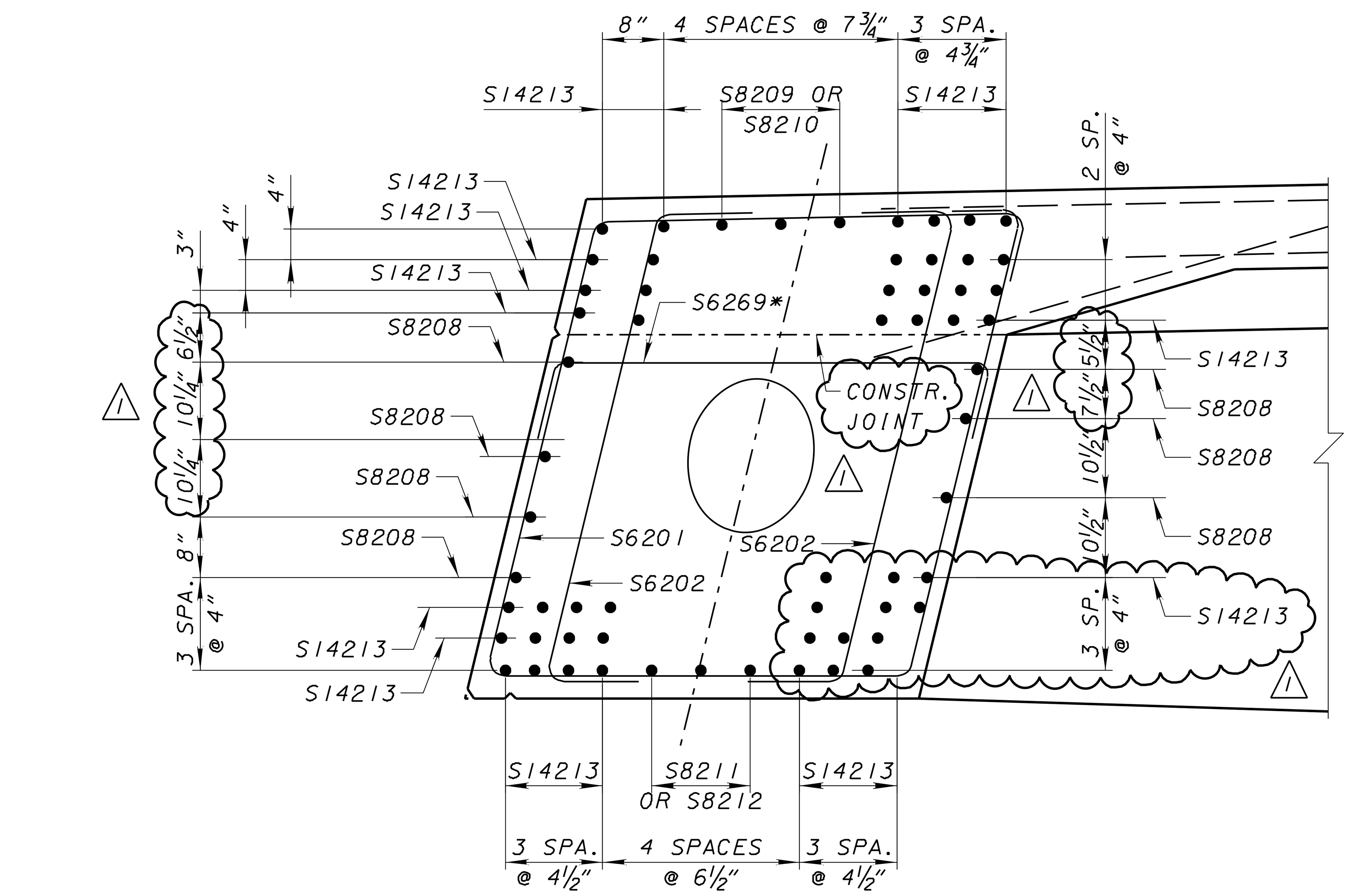
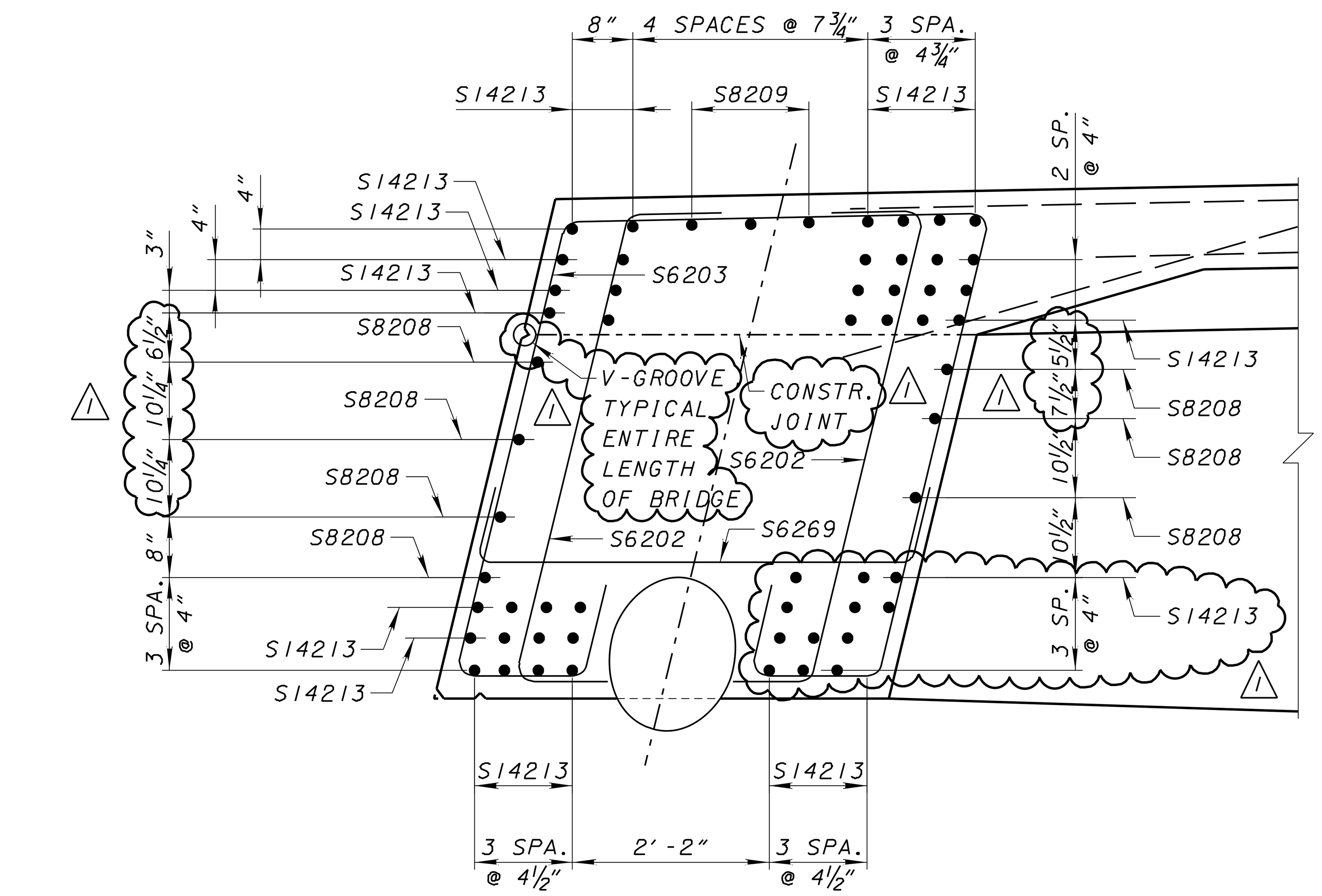
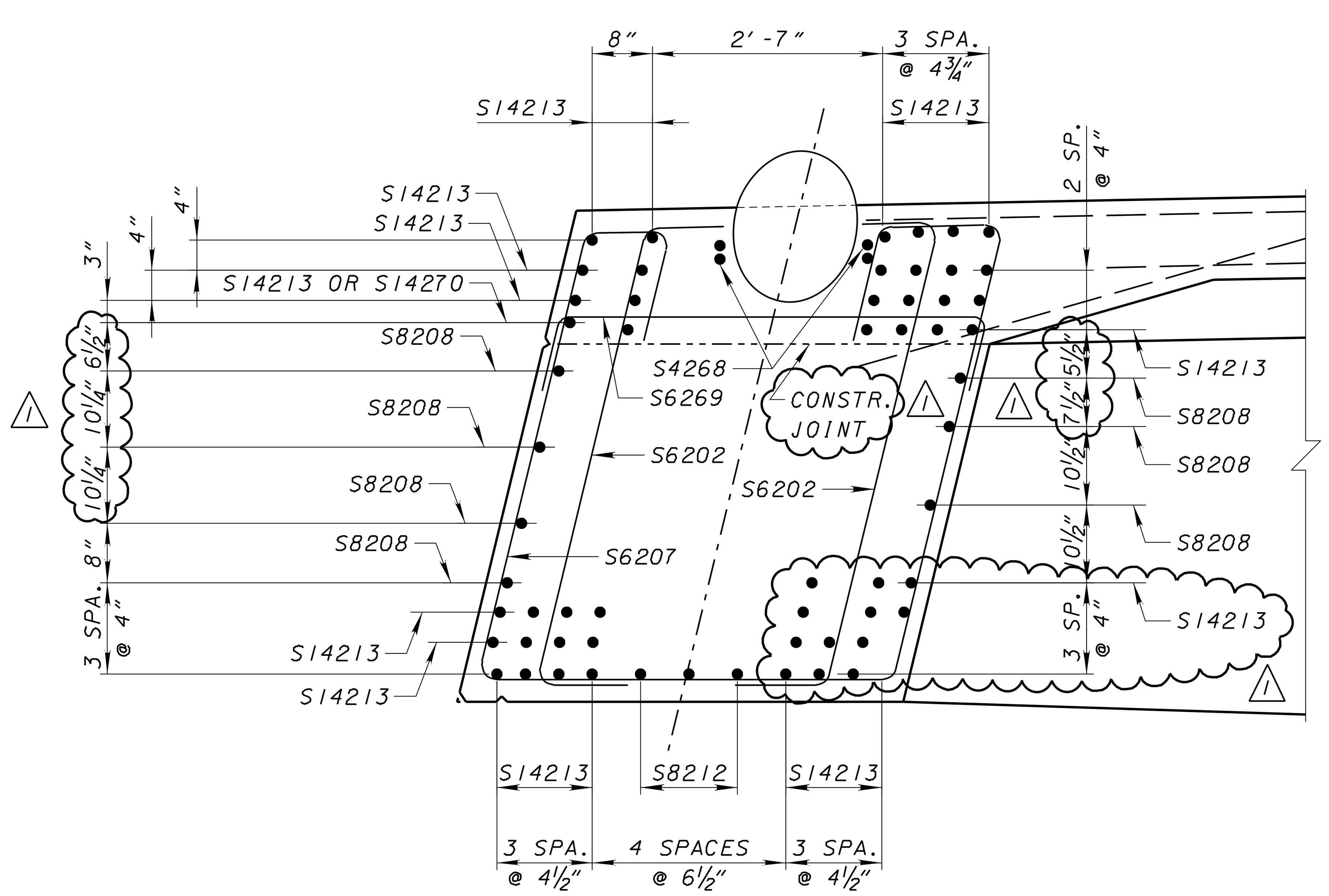


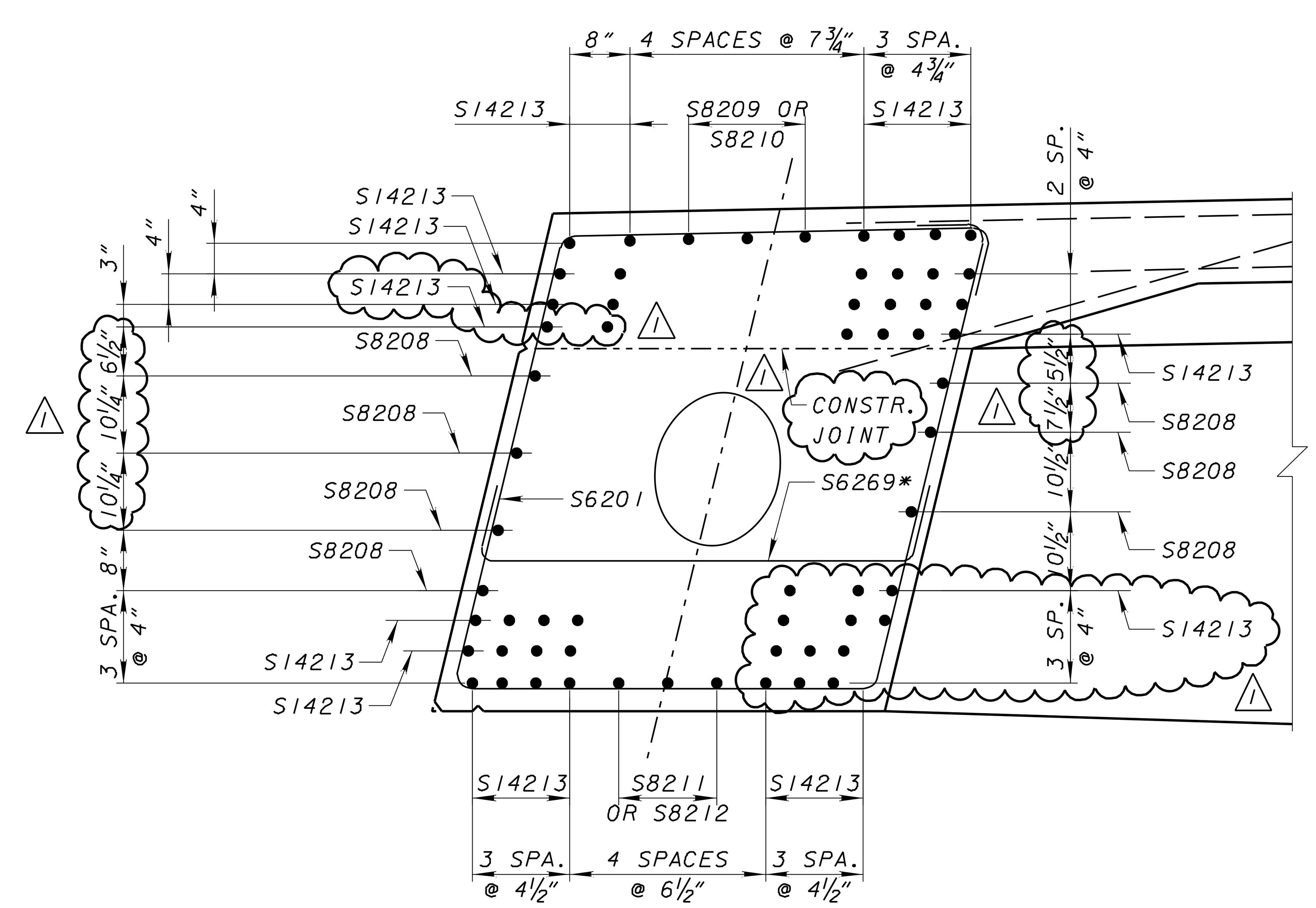
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

* S6269 AT STAY PIPES ONLY

NUMBER	REVISION	DATE:	BY:
1	AS-BUILT	6-09	DLJ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
RJB	CER	SLS	8-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
MWL		5300916 OH 10385 WV	

EDGE GIRDER REINFORCEMENT DETAILS (1)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

128/243

458/582

8/3/2009 11:08:35 AM
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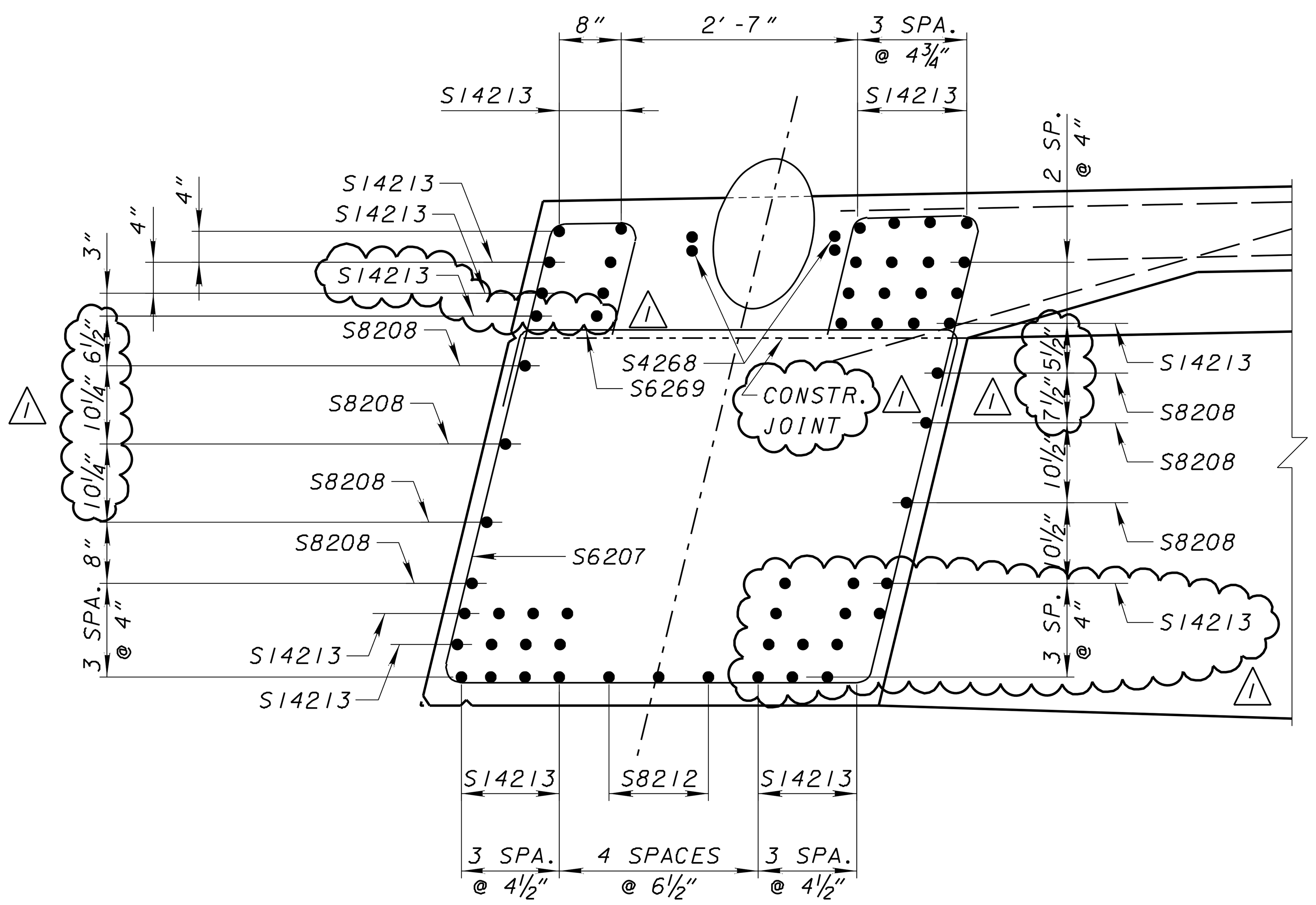
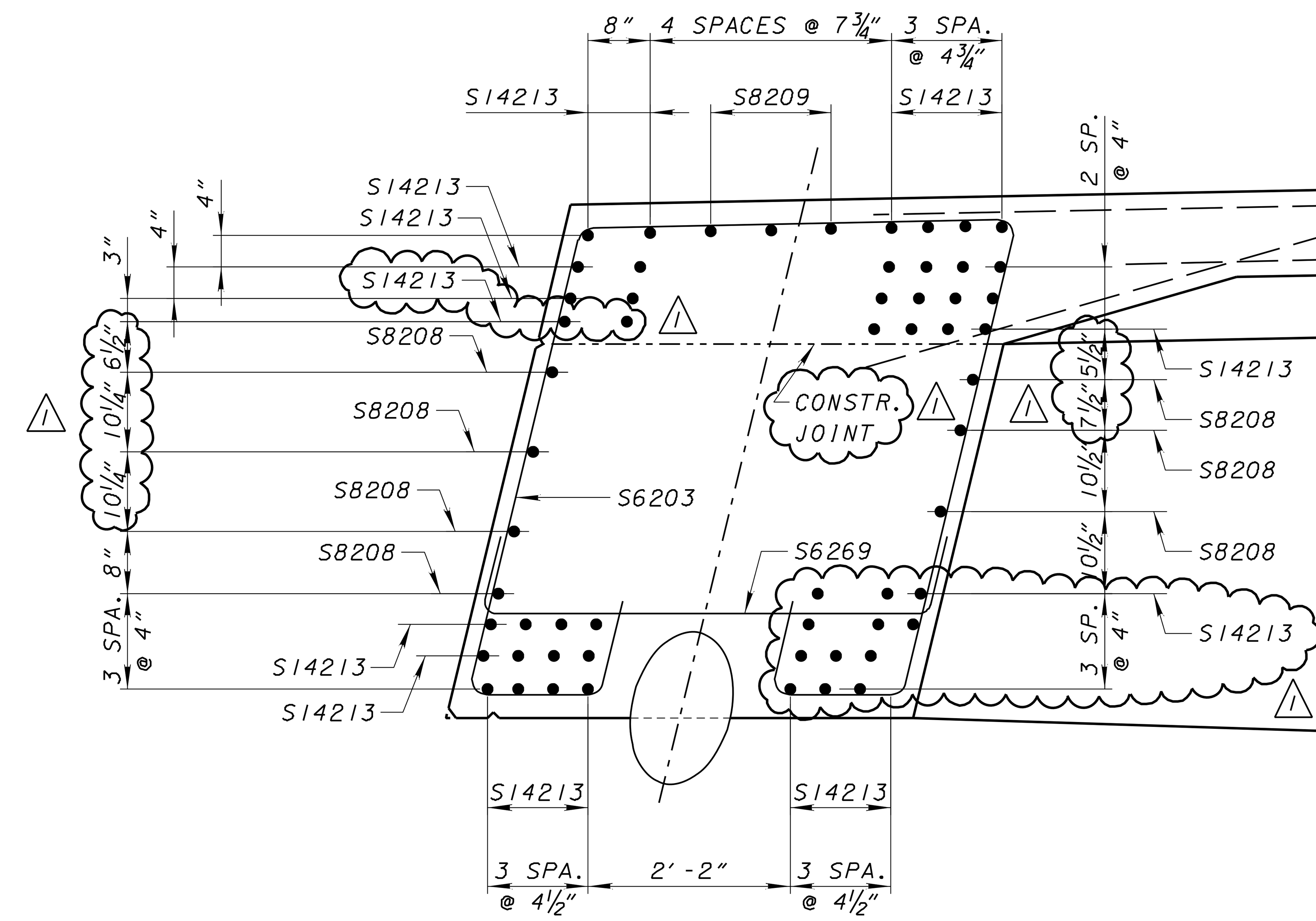


SECTION E-E



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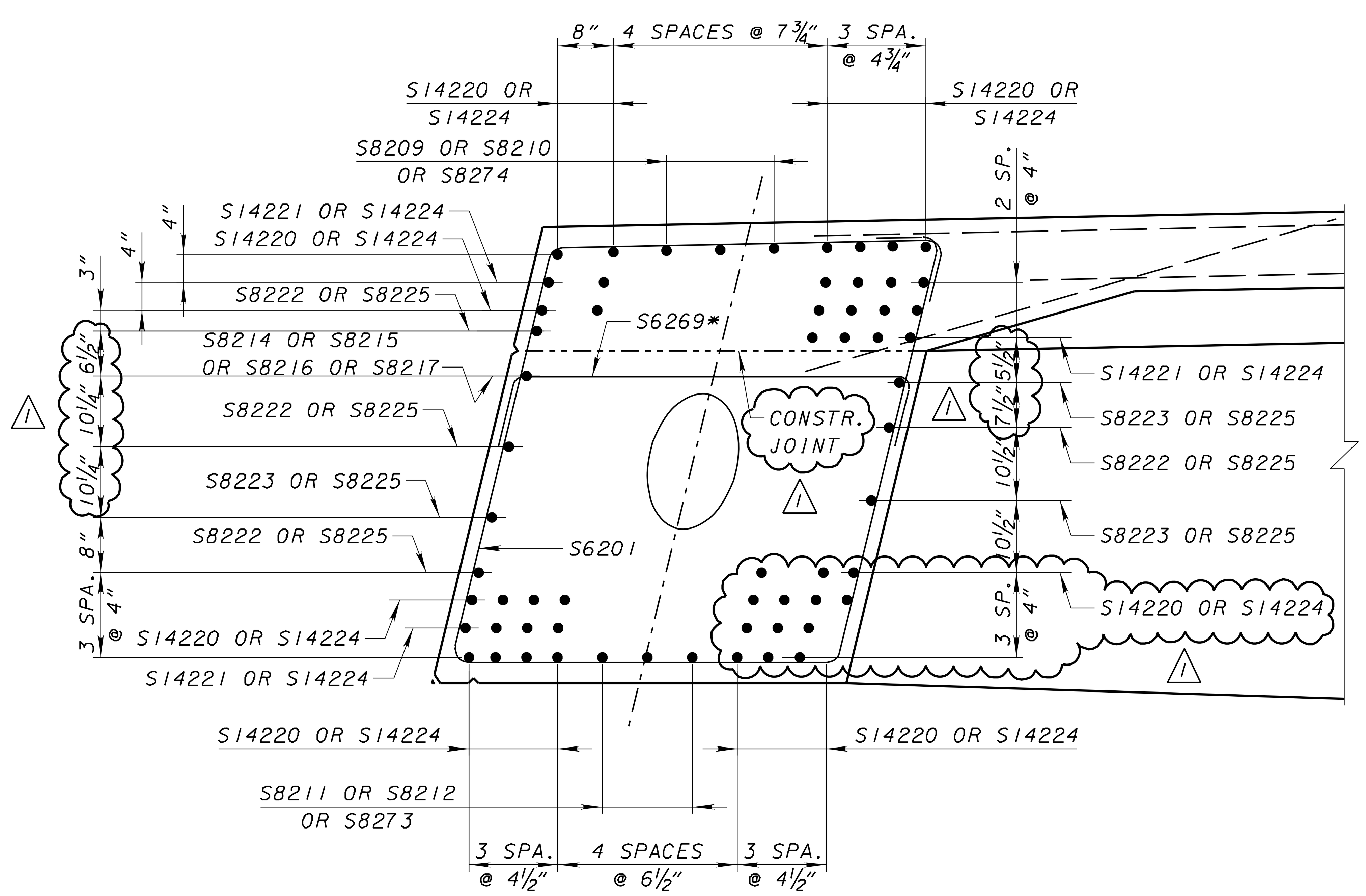

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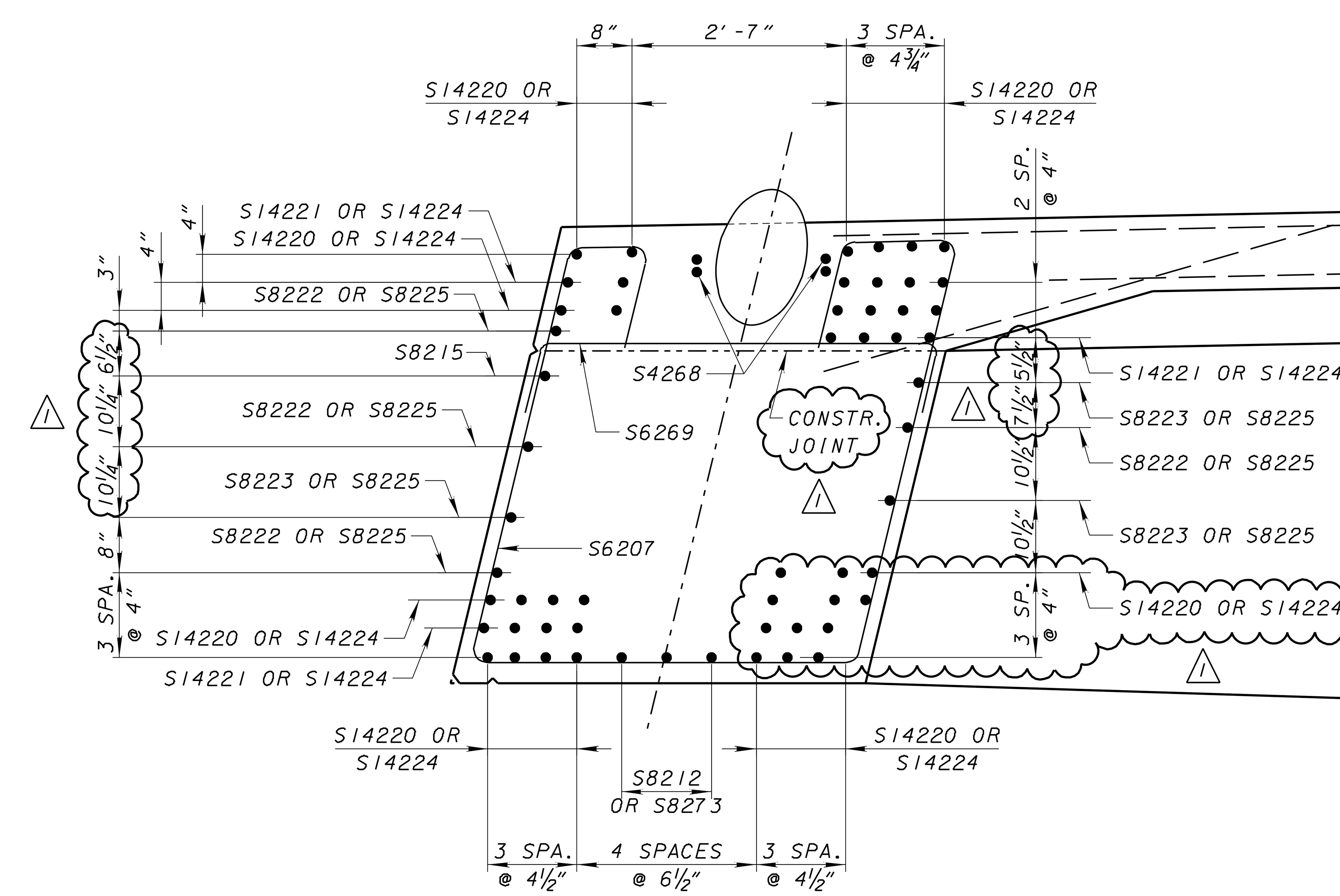


SECTION H-H

* S6269 AT STAY PIPES ONLY

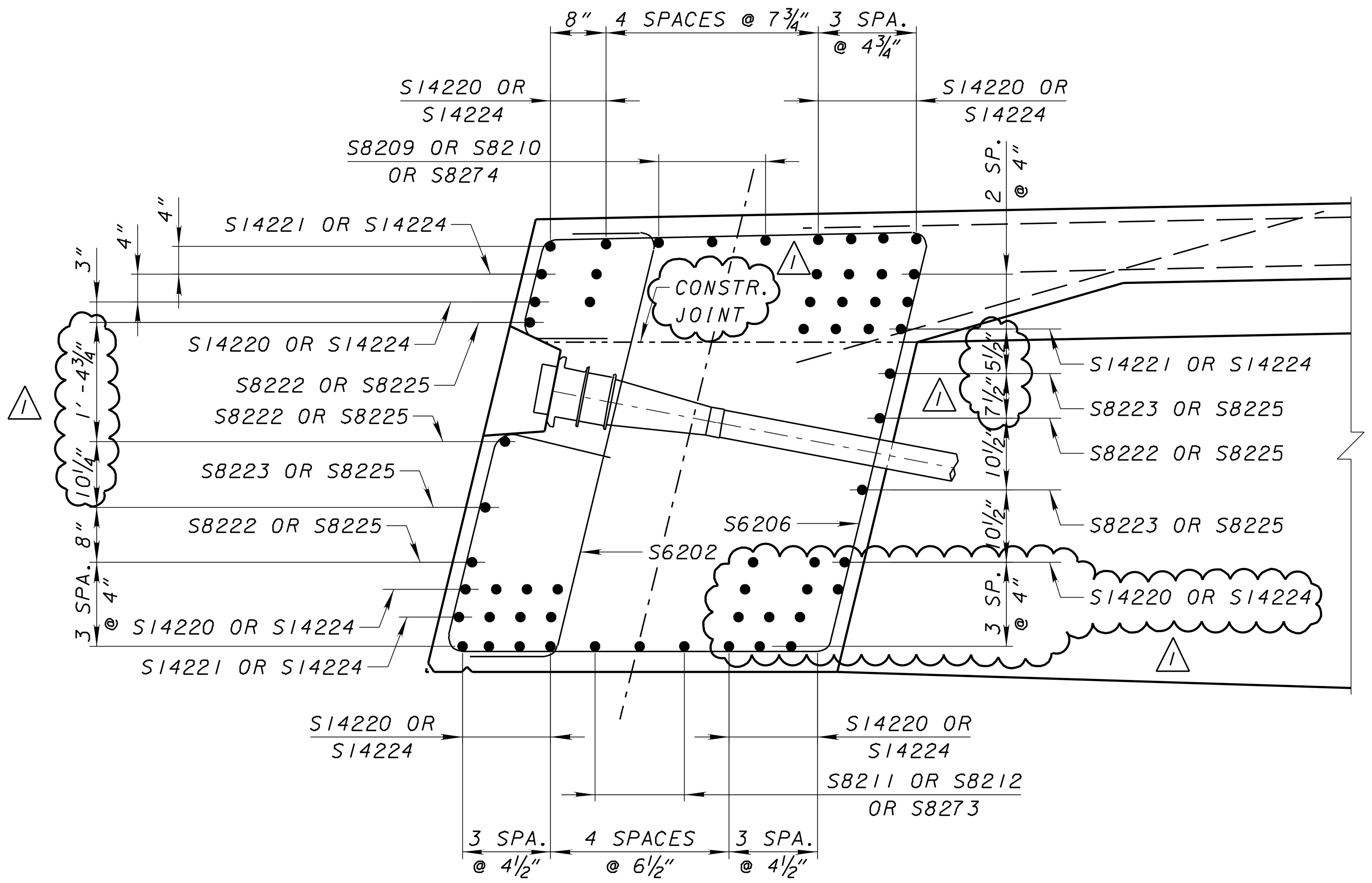
NUMBER	REVISION	DATE	BY
△	AS-BUILT	6-09	DLJ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
RJB	CER	SLS	8-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
MWL		5300916 OH 10385 WV	

EDGE GIRDER REINFORCEMENT DETAILS (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70



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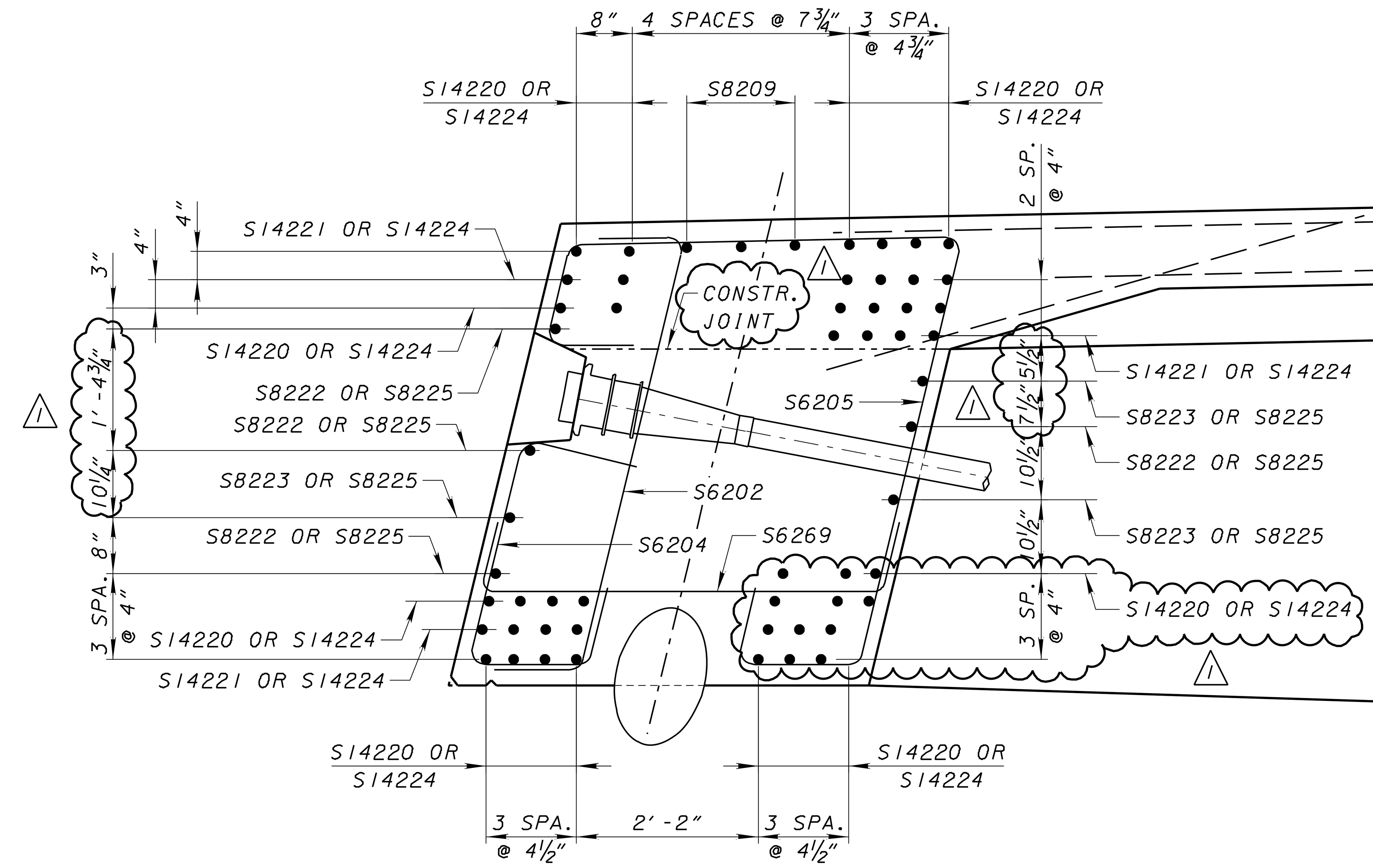

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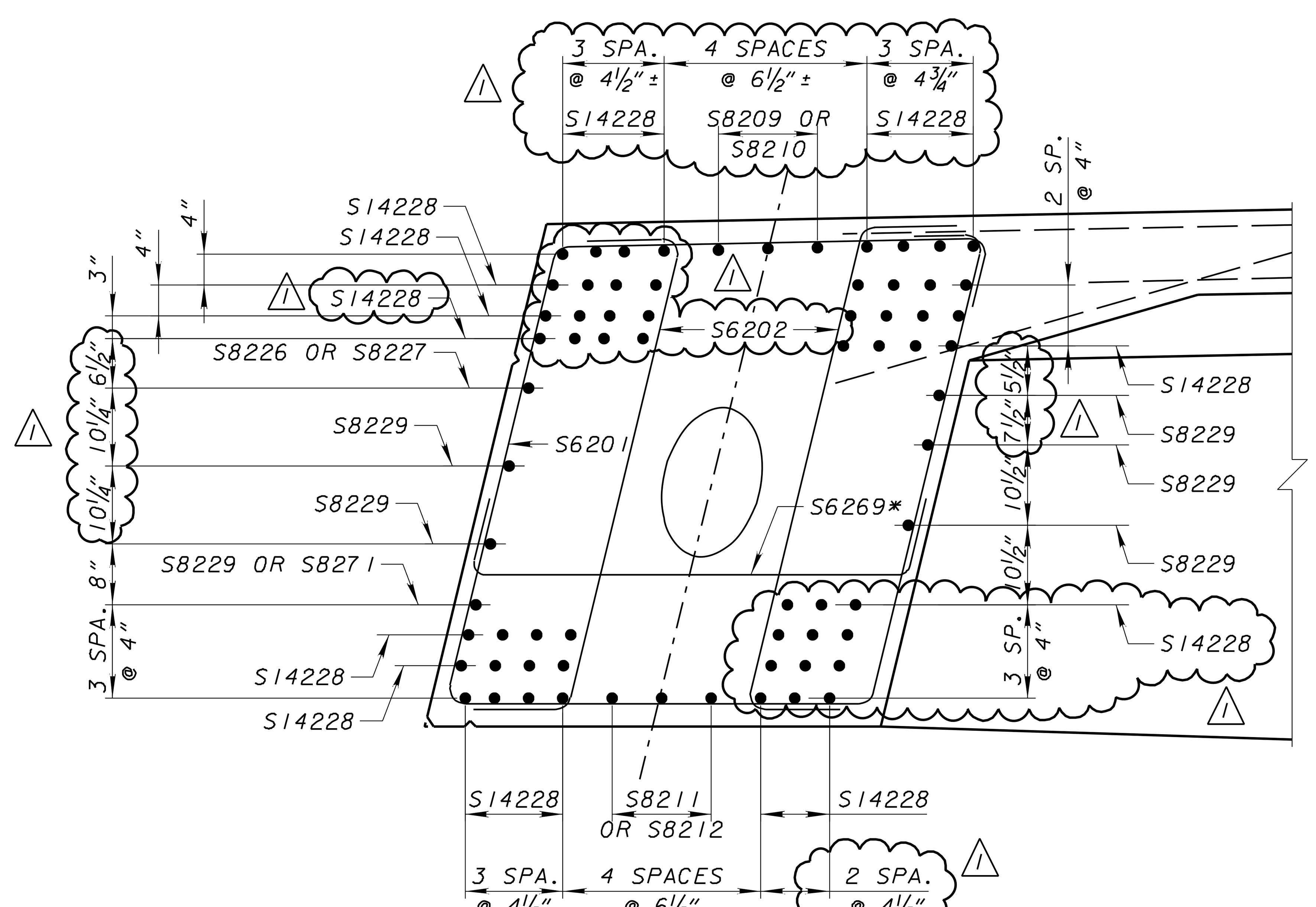

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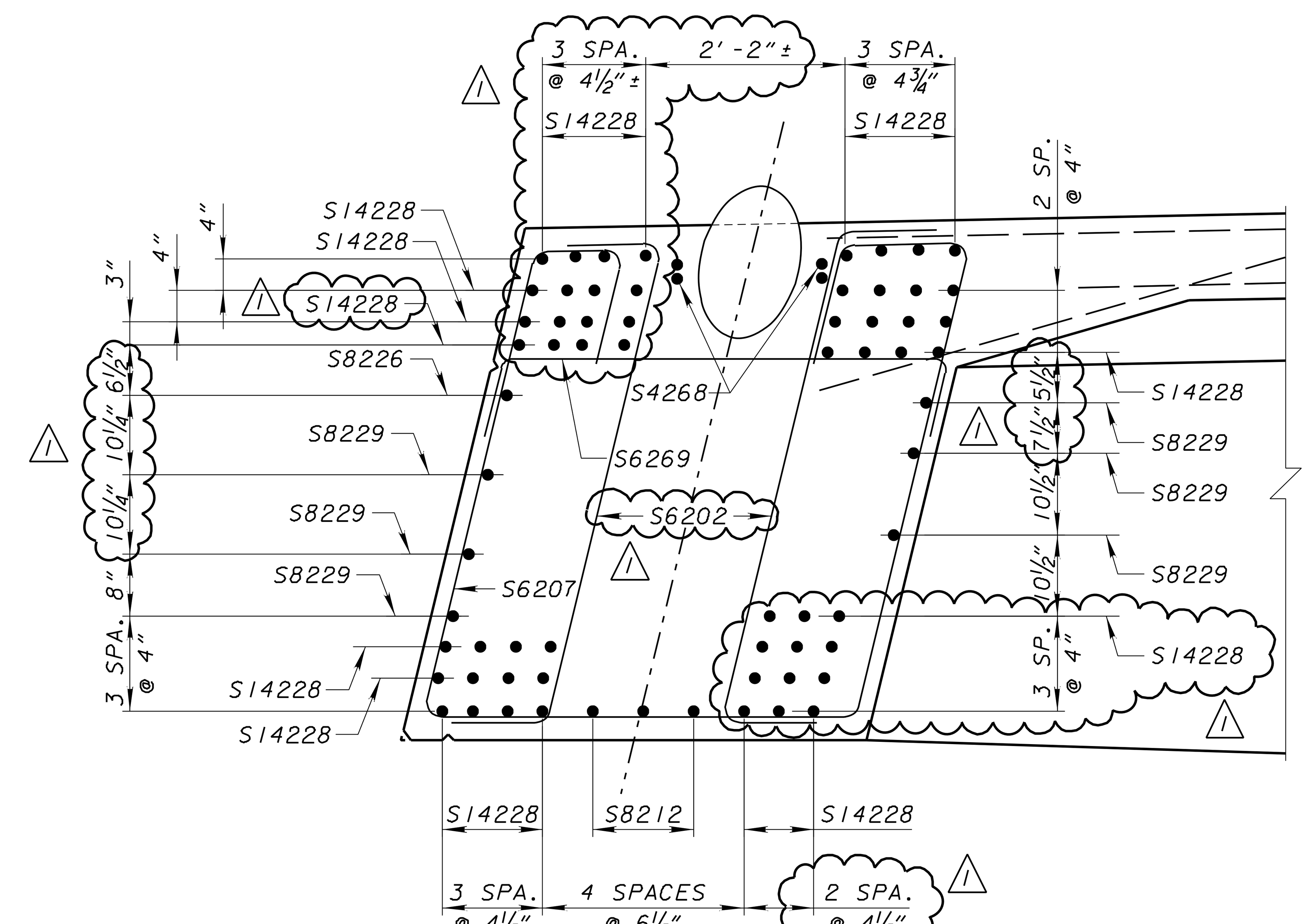


SECTION N-N

* S6269 AT STAY PIPES ONLY

NUMBER	REVISION	DATE:	BY:
1	AS-BUILT	6-09	DLJ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

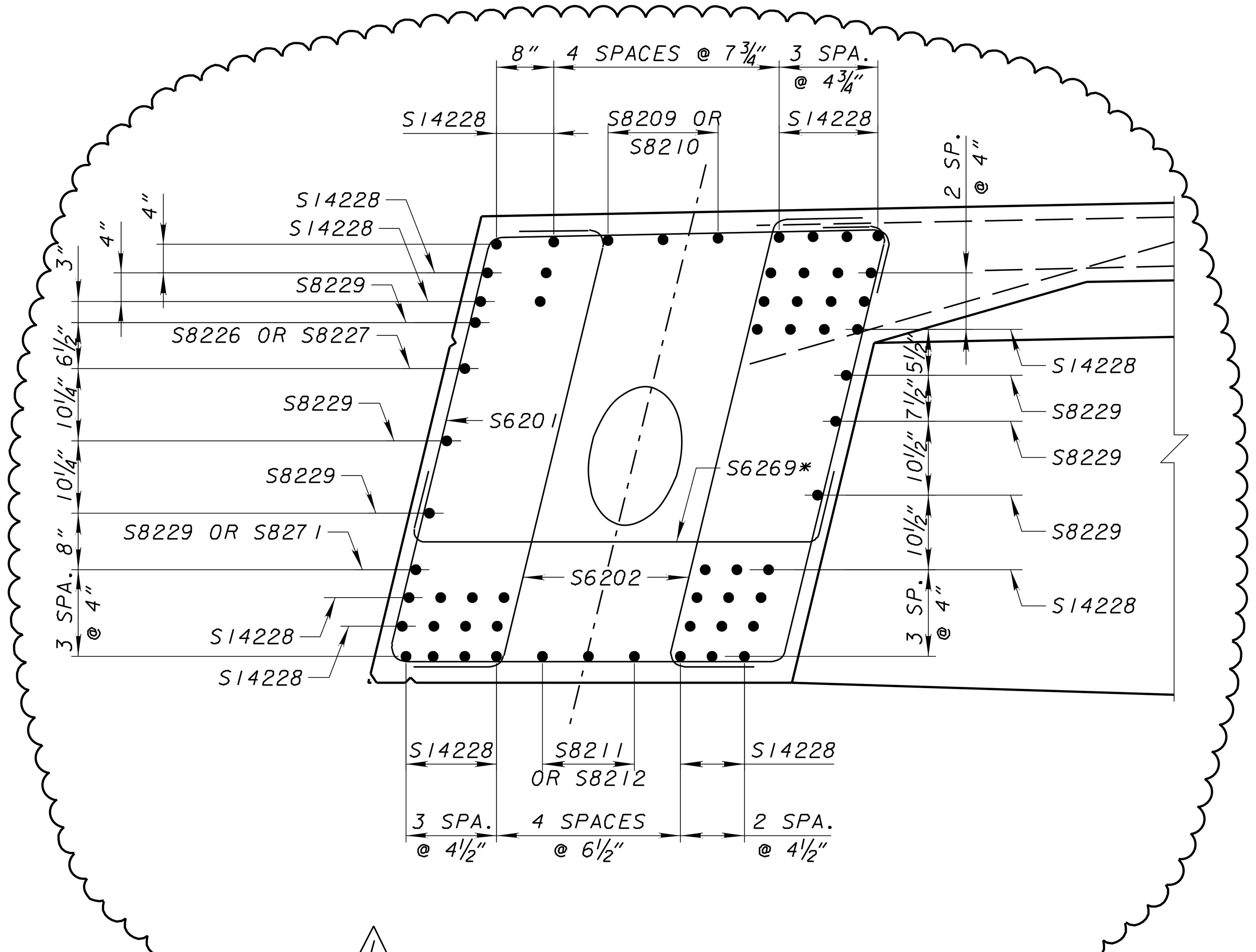
DESIGNED RJB	DRAWN CER	REVIEWED SLS	DATE 8-02
CHECKED MWL	REVISED	STRUCTURE FILE NUMBER 5300916 OH 10385 WV	

EDGE GIRDER REINFORCEMENT DETAILS (3)

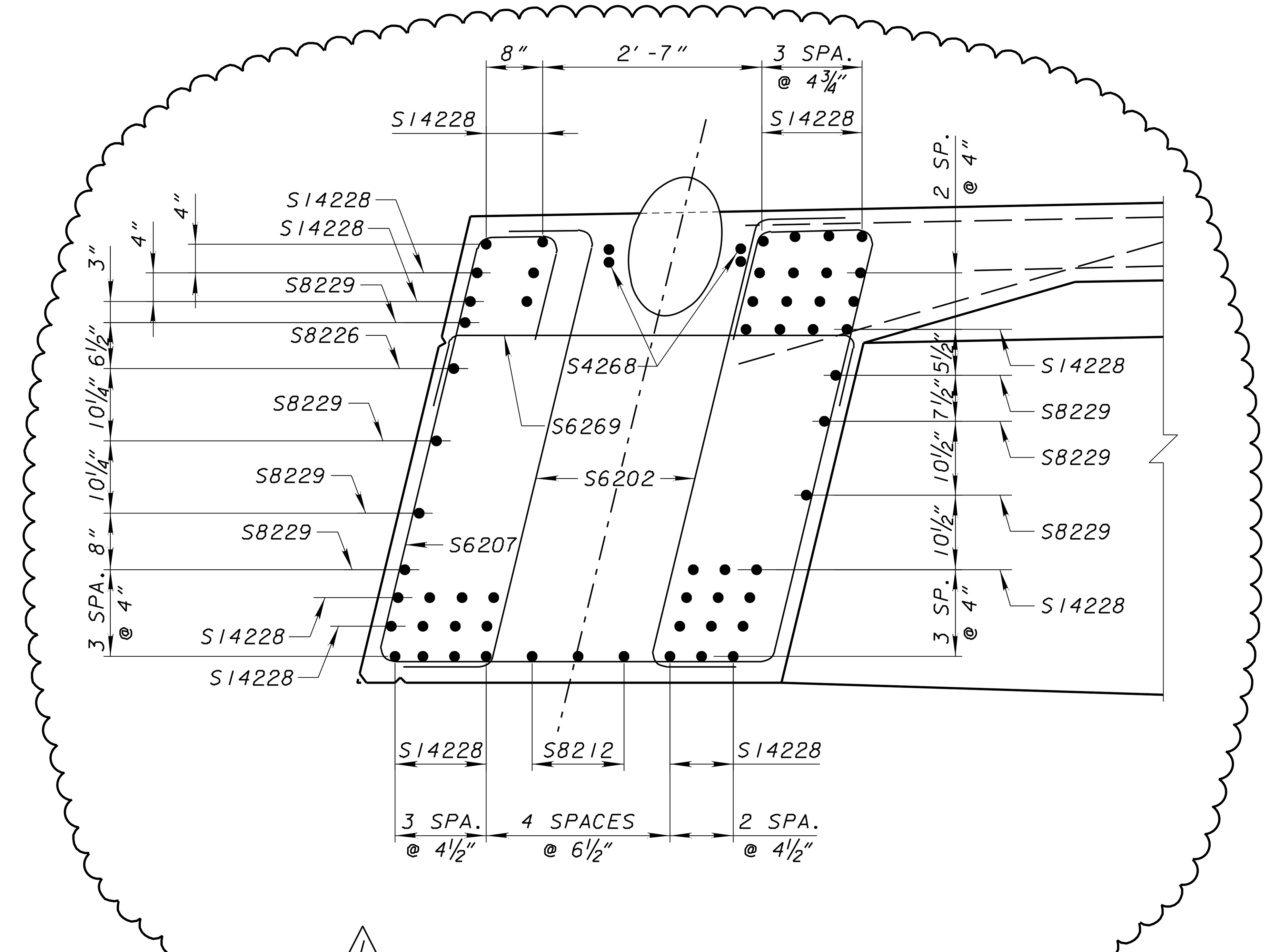
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

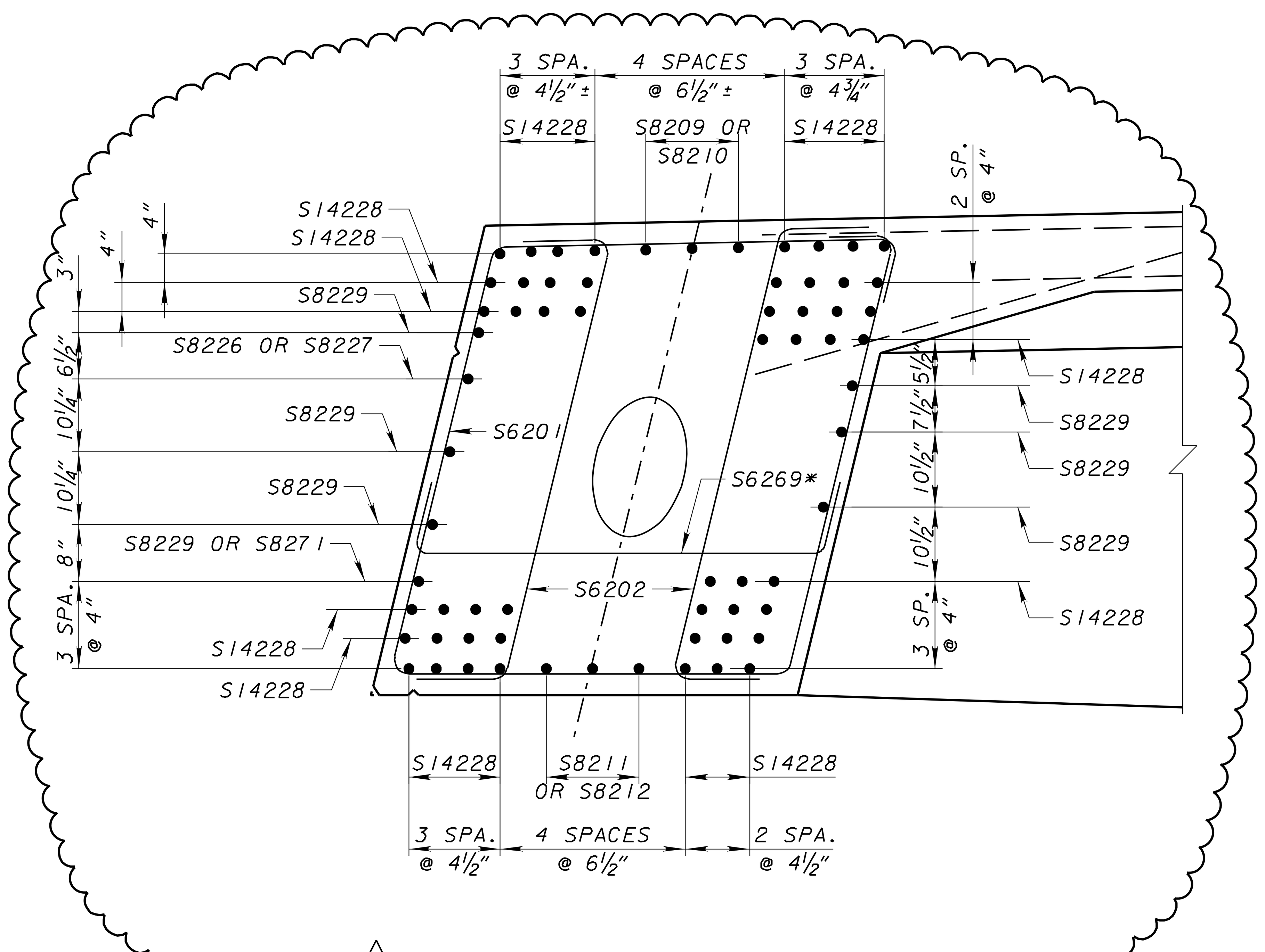
8/3/2009 11:08:36 AM
e:\bridges\pomeroymason\gdreinfb.dgn



SECTION M1-M1



SECTION N1-N1



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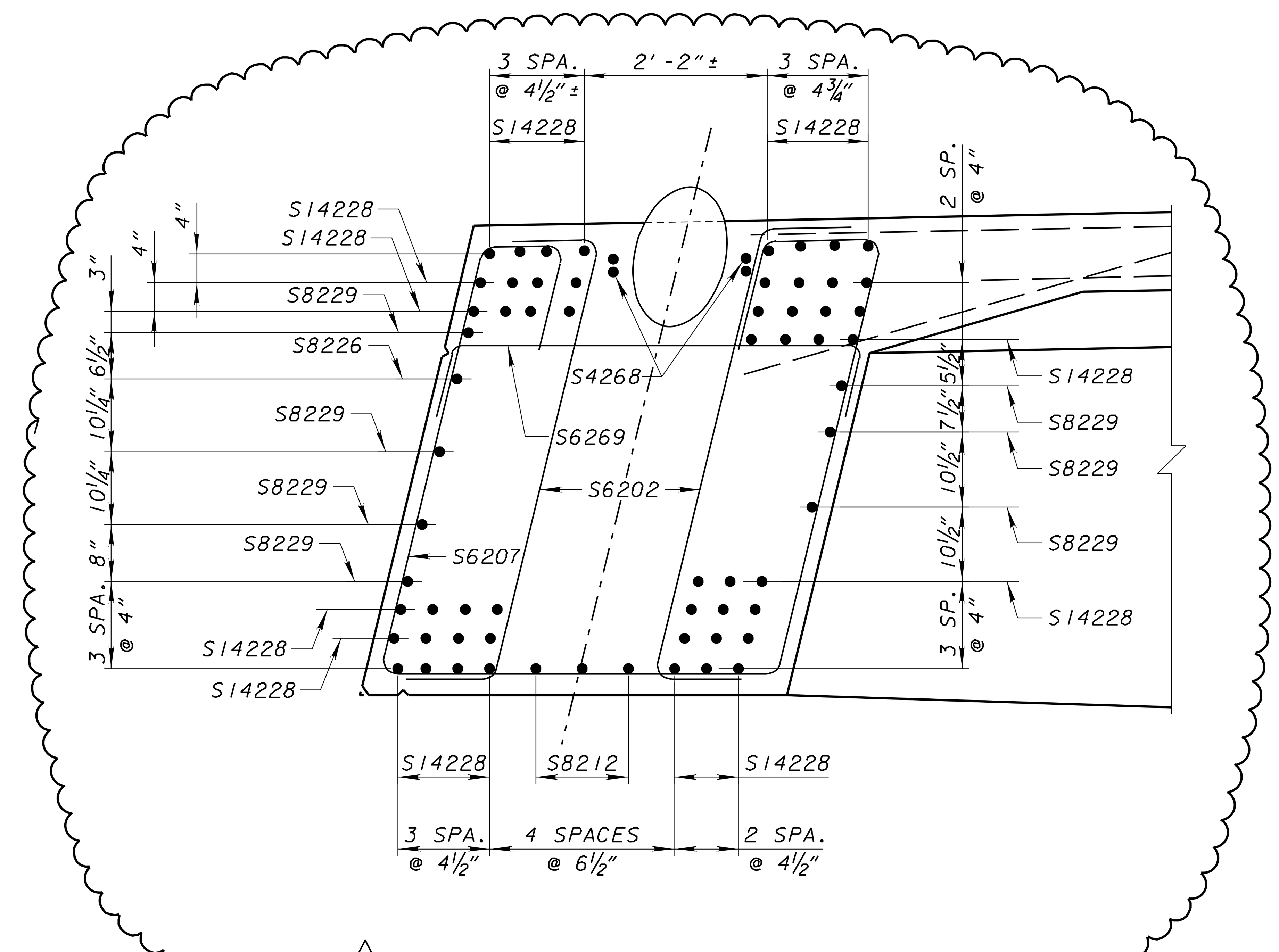

SECTION N2-N2

* S6269 AT STAY PIPES ONLY

NUMBER	REVISION	DATE:	BY:
1	AS-BUILT (NEW SHEET)	6-09	DLJ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
RJB	CER	SLS	8-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
MWL		5300916 OH 10385 WV	

EDGE GIRDER REINFORCEMENT DETAILS (3A)

BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

130A/343

460A/582

8/3/2009 11:08:36 AM

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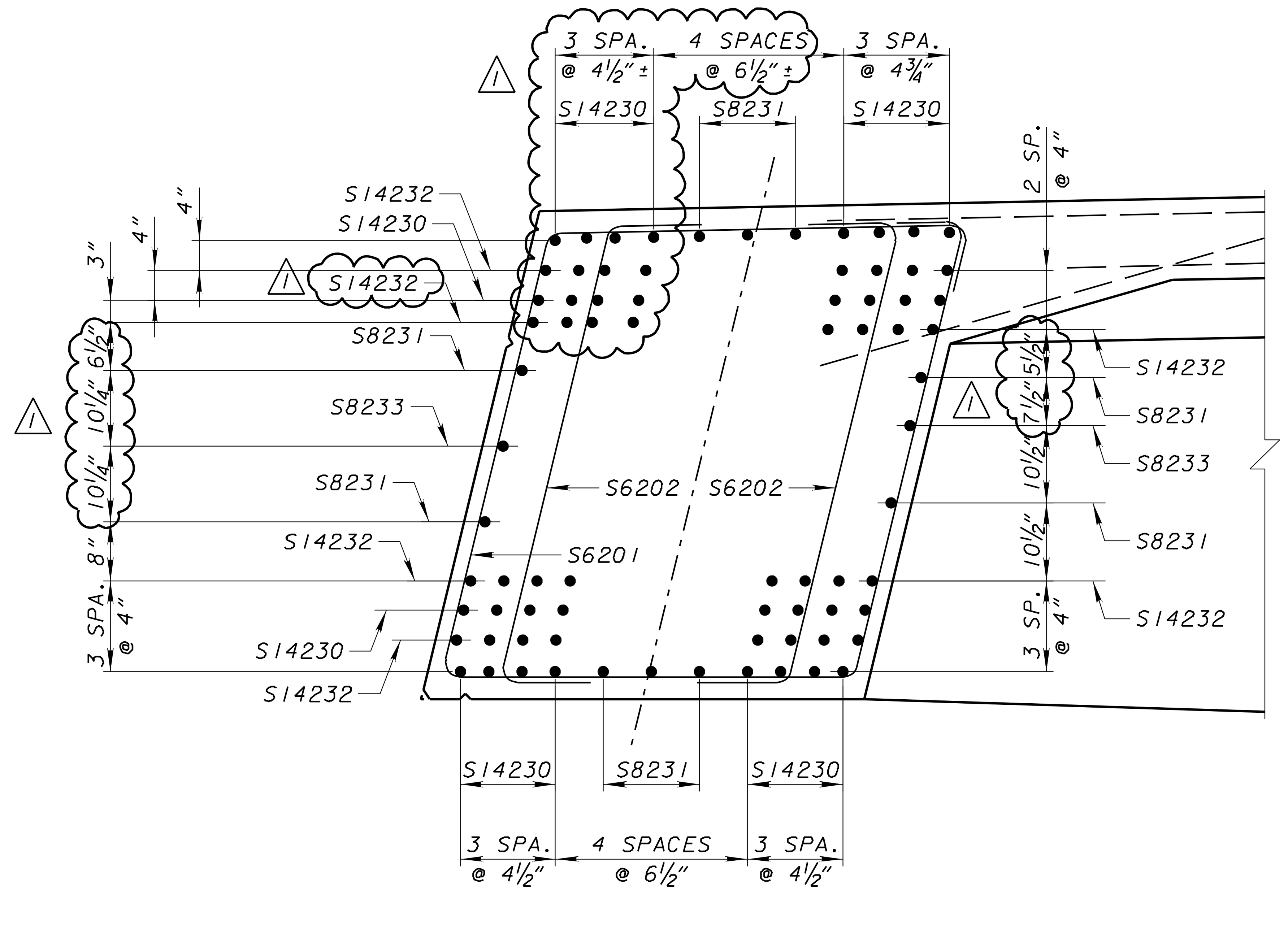

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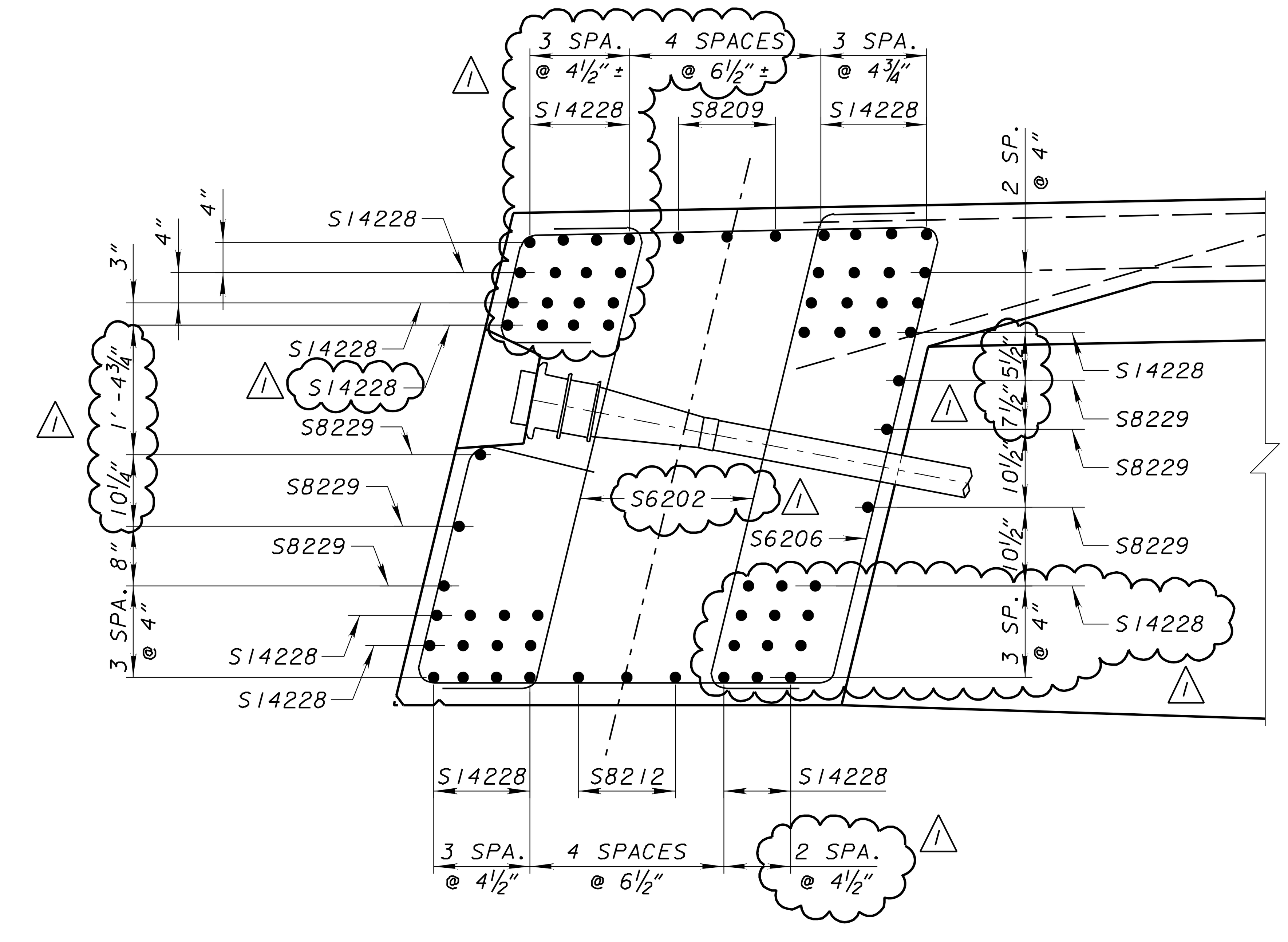

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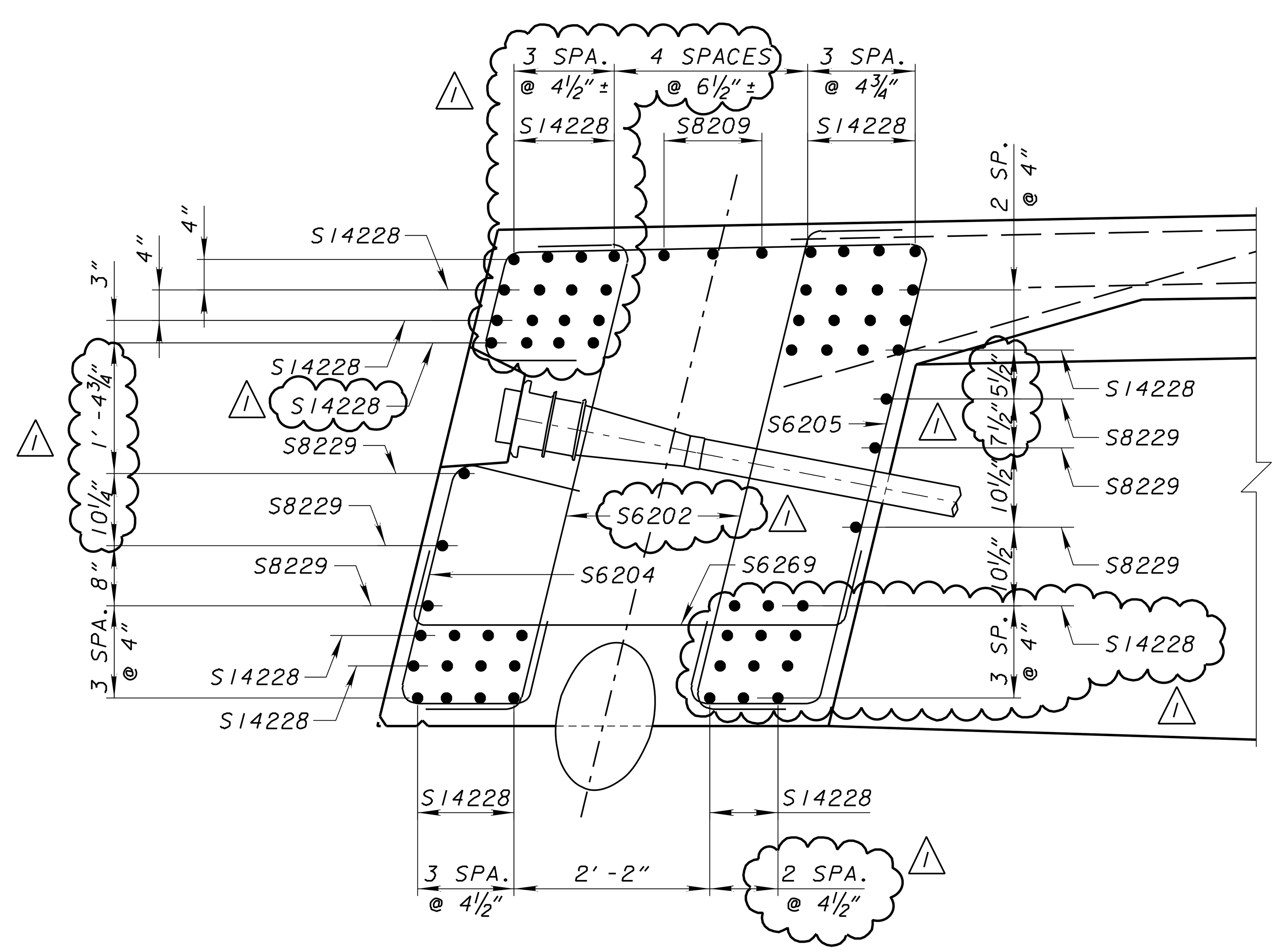

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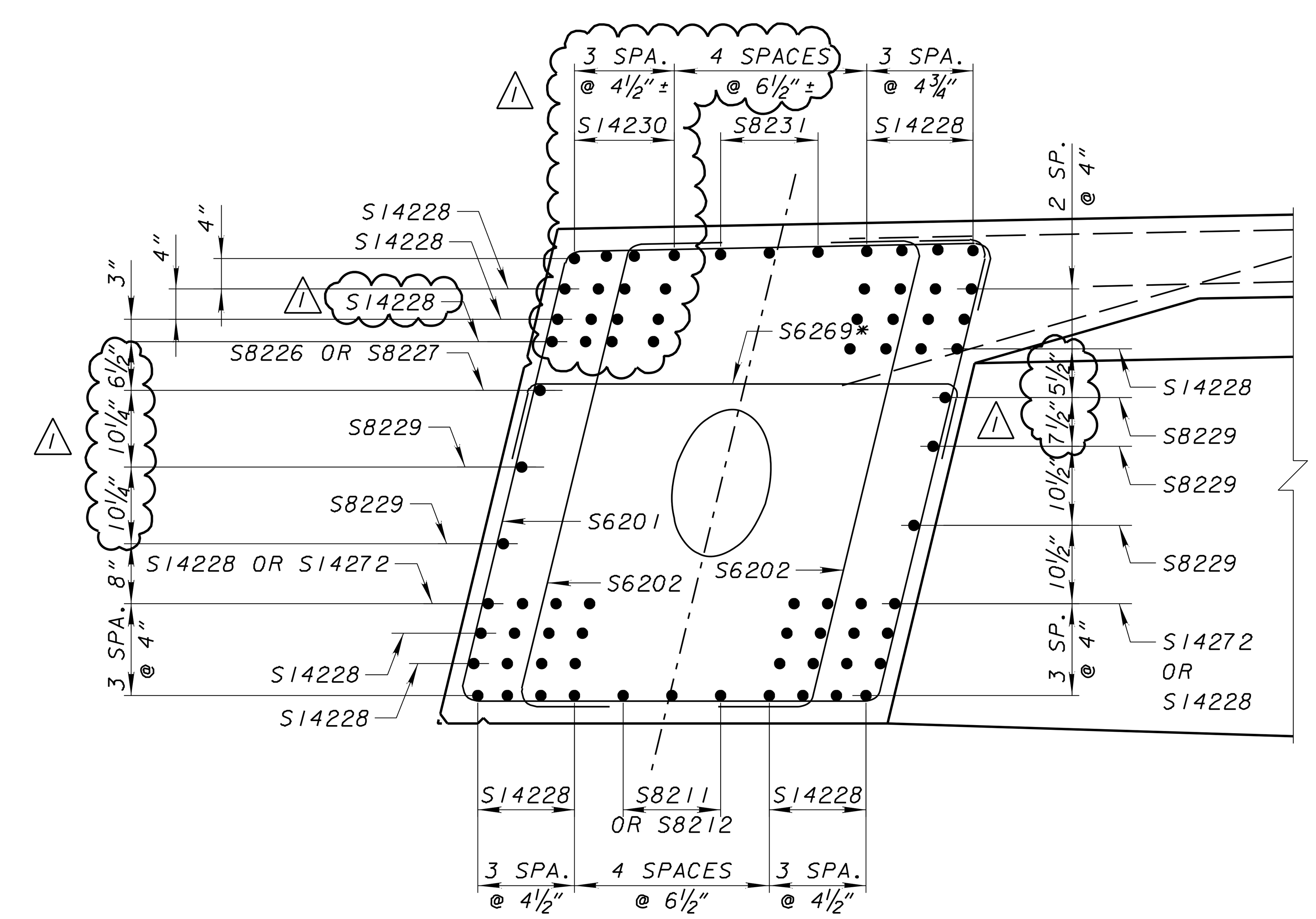

SECTION T-T

* S6269 AT STAY PIPES ONLY

NUMBER	REVISION	DATE:	BY:
⚠	AS-BUILT	6-09	DLJ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
RJB	CER	SLS	8-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
MWL		5300916 OH 10385 WV	

EDGE GIRDER REINFORCEMENT DETAILS (4)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

131/243

461/582

8/3/2009 11:08:36 AM
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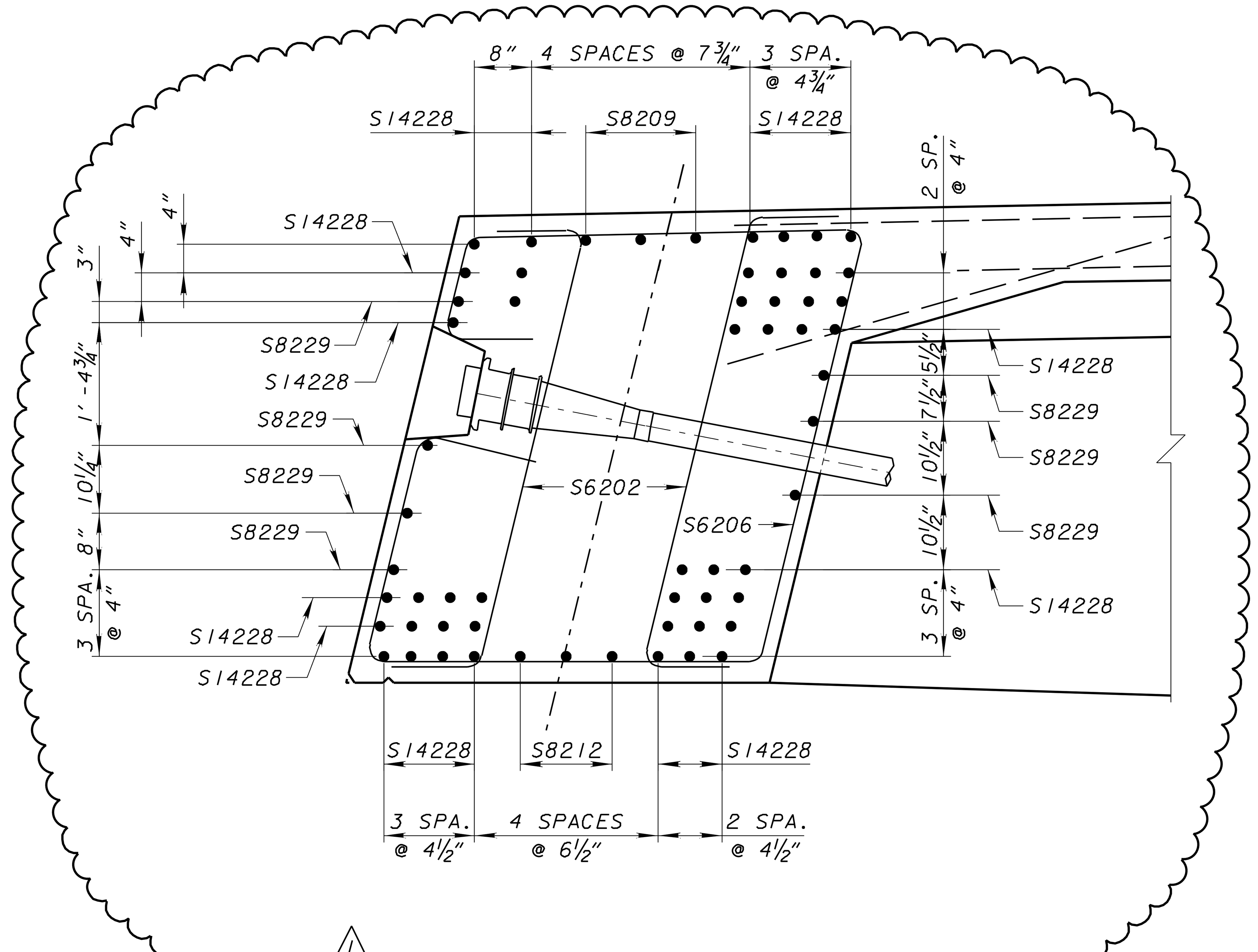
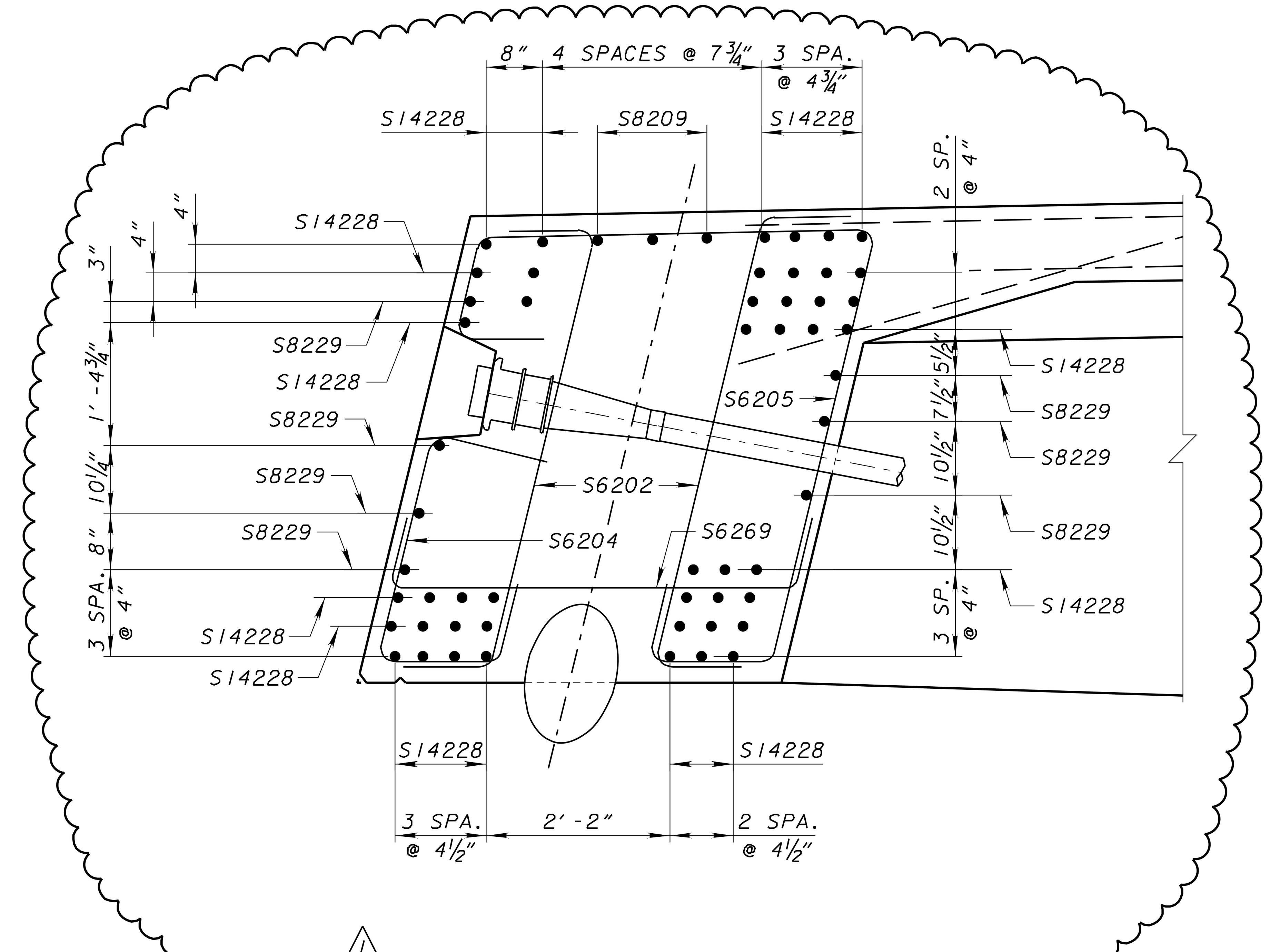
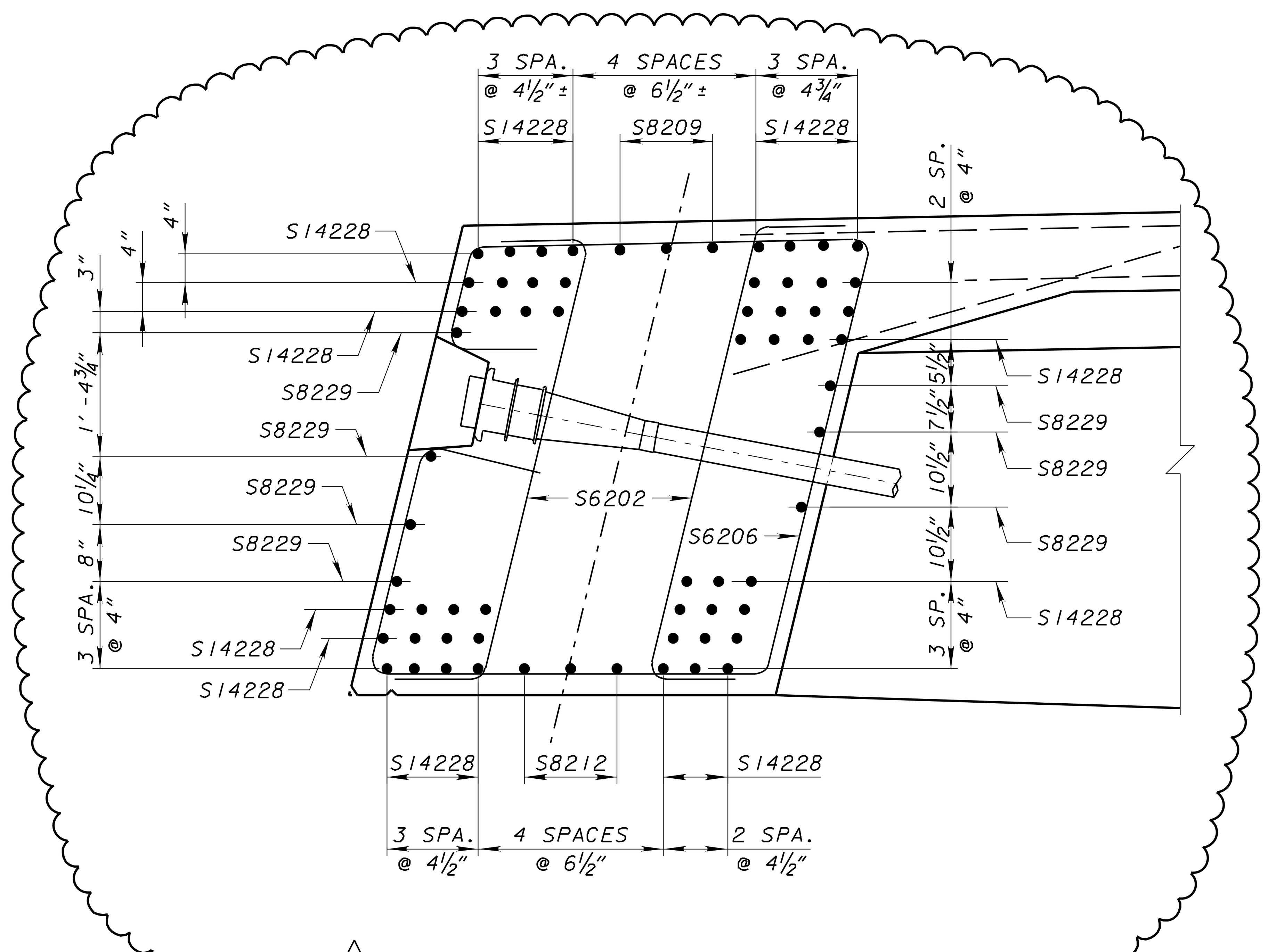


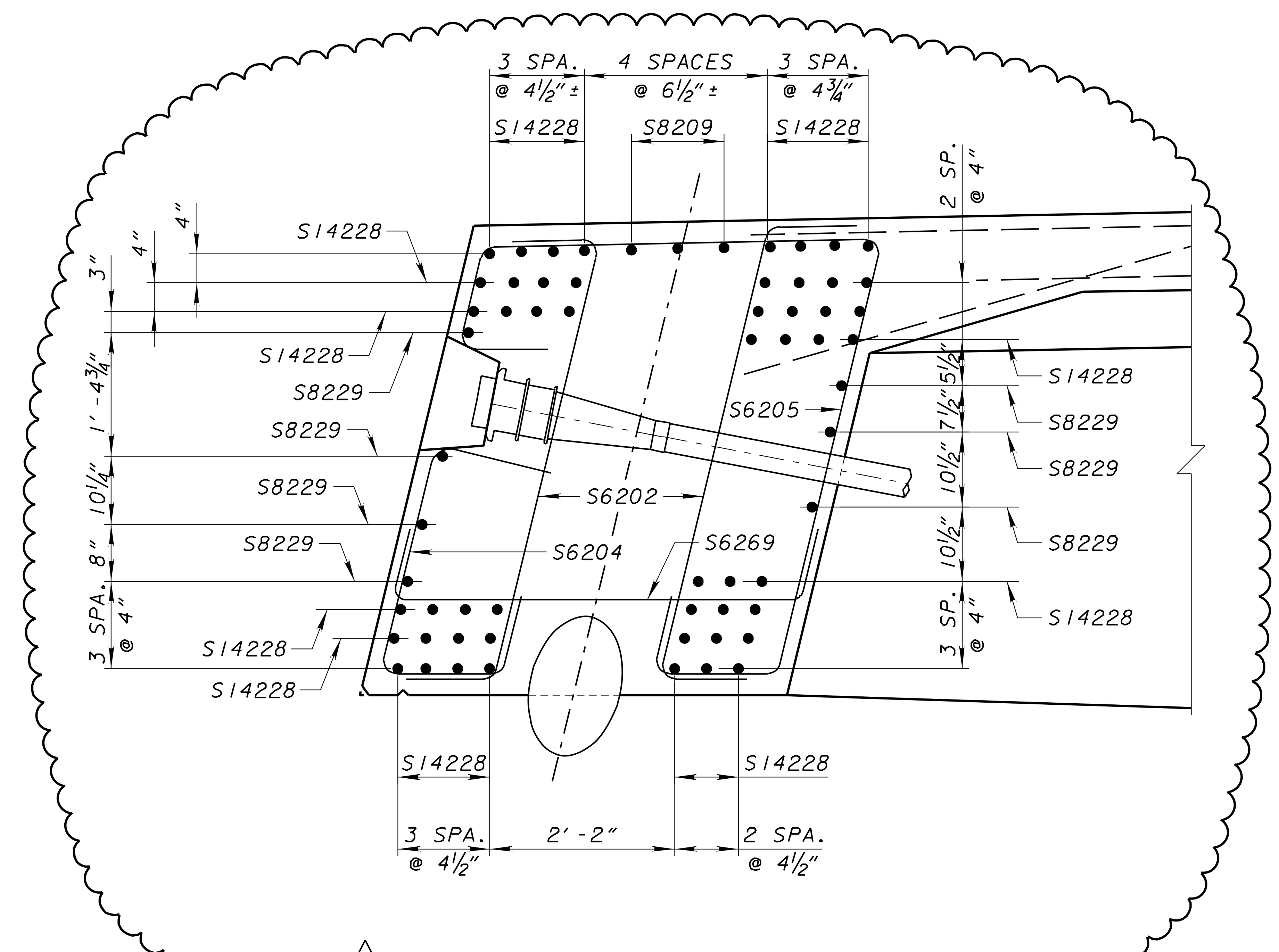
SECTION R1-R1



SECTION S1-S1



SECTION R2-R2



SECTION S2-S2

* S6269 AT STAY PIPES ONLY

NUMBER	REVISION	DATE:	BY:
1	AS-BUILT (NEW SHEET)	6-09	DLJ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
RJB	CER	SLS	8-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
MWL		5300916 OH 10385 WV	

EDGE GIRDER REINFORCEMENT DETAILS (4A)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

131A / 343

461A / 582

8/3/2009 11:08:36 AM
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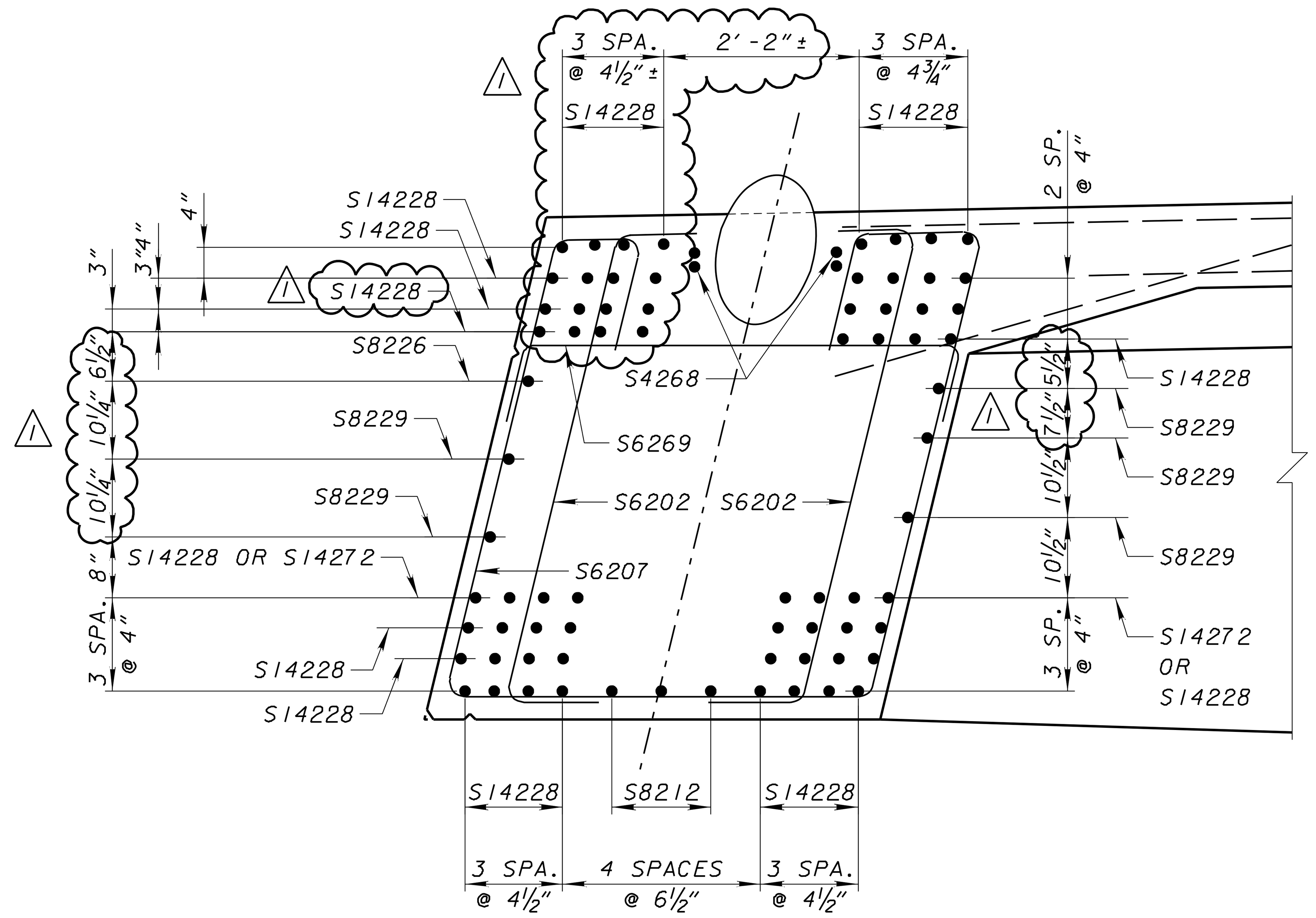
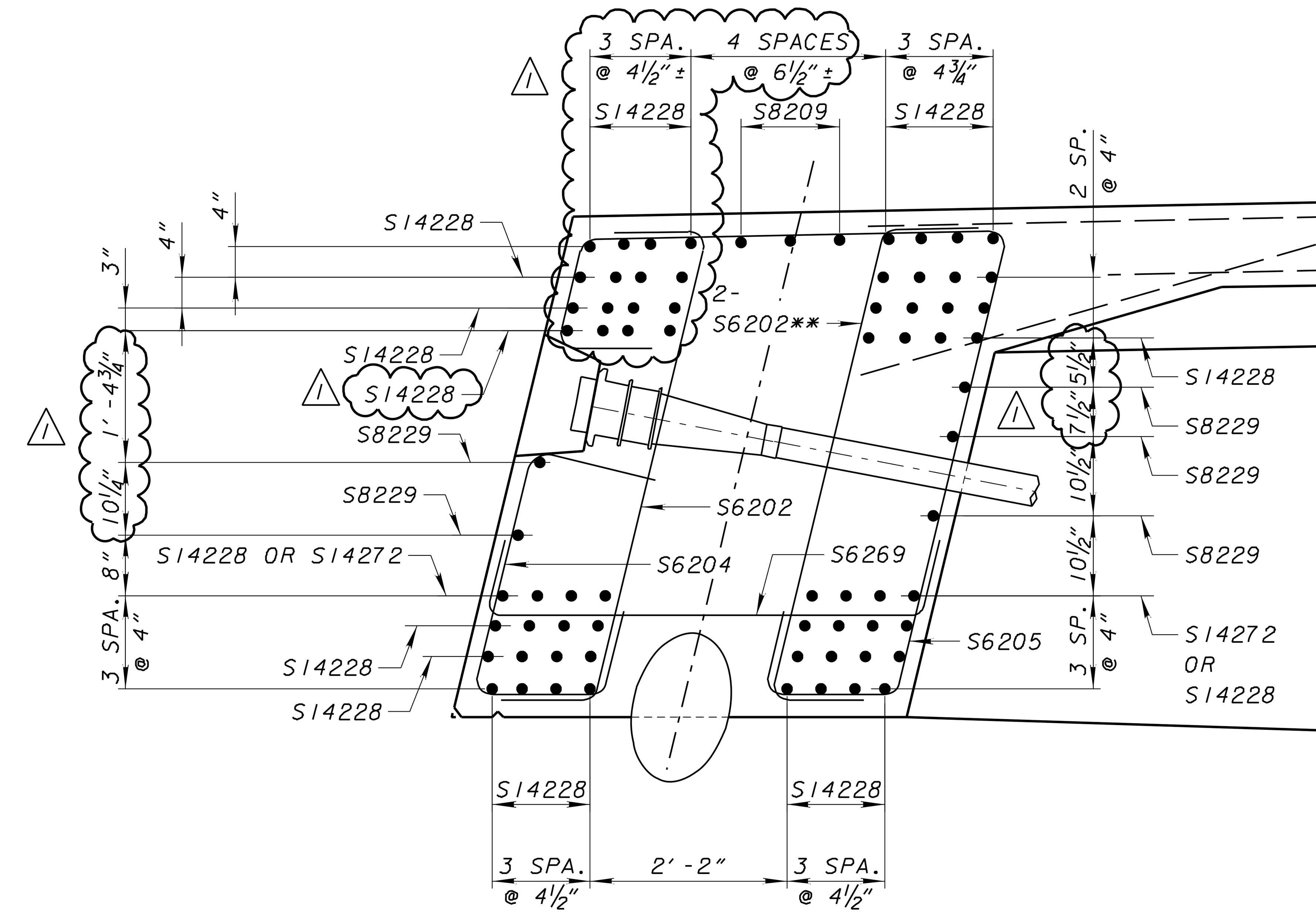
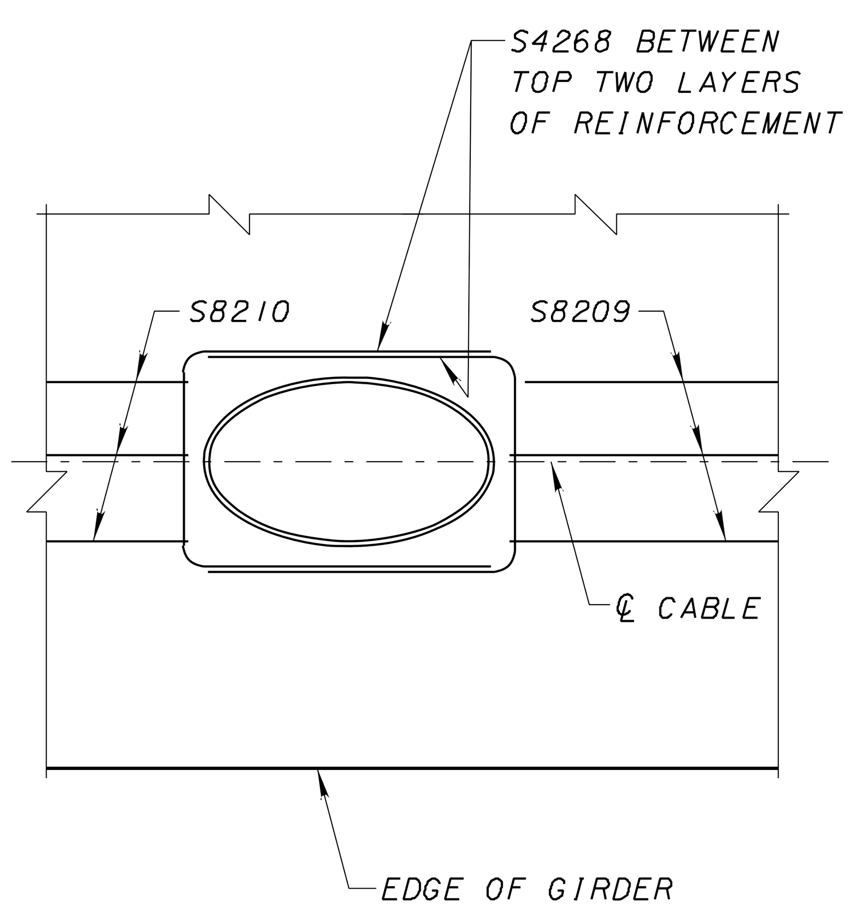


SECTION V-V



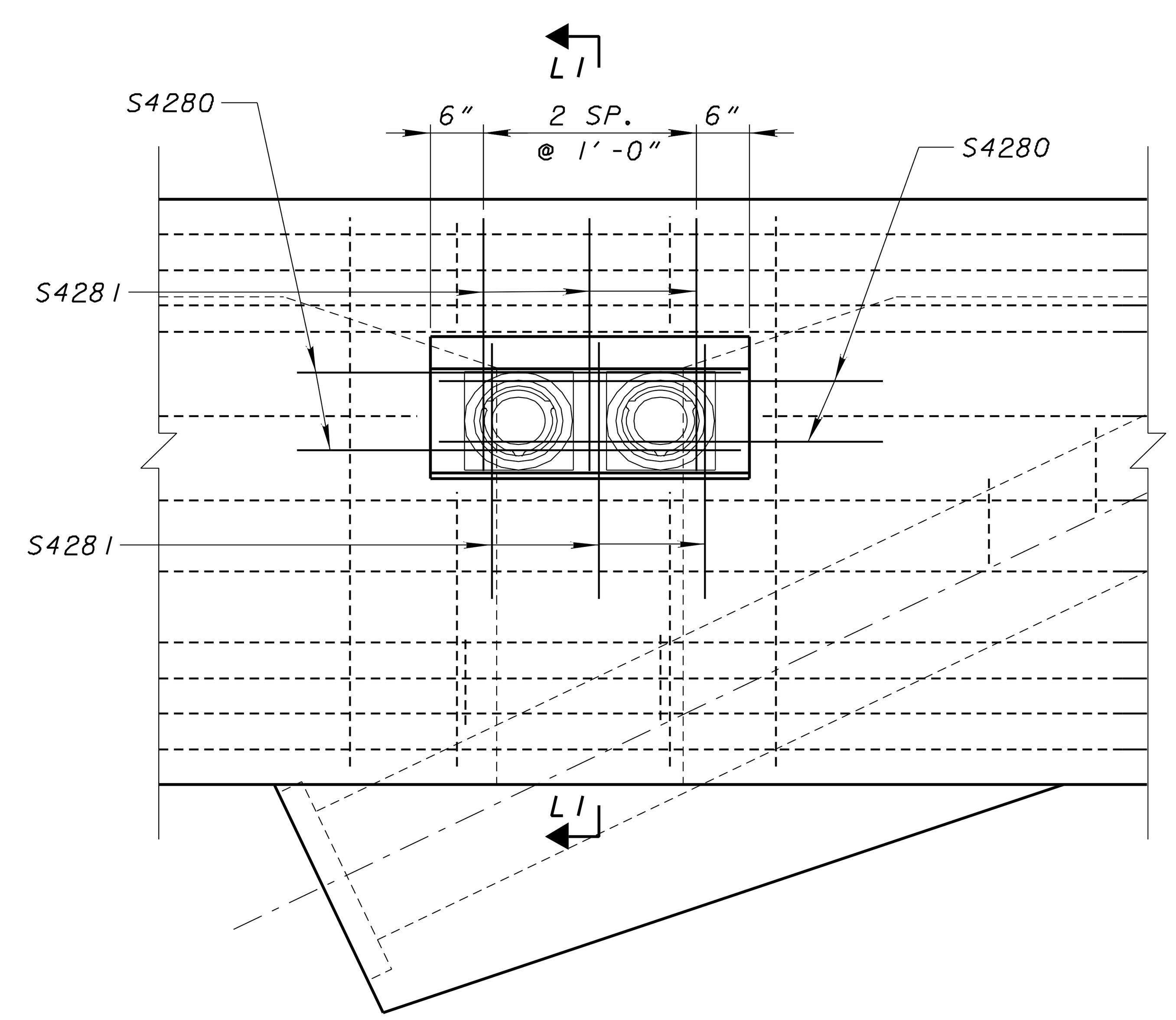
SECTION W-W

** BUNDLED

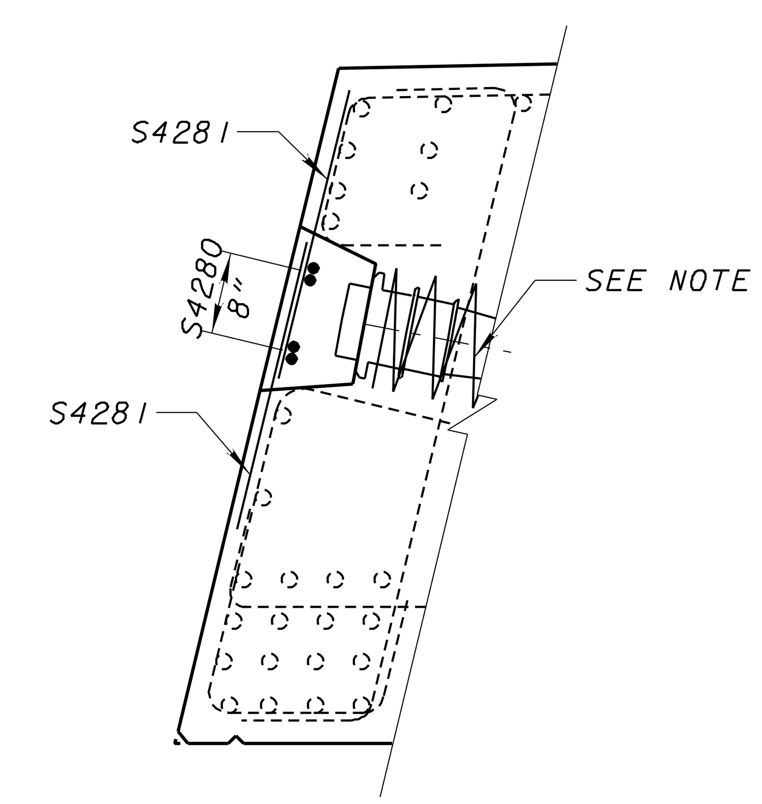


DETAIL 1 - PLAN VIEW

CABLE B12 SHOWN - OTHERS SIMILAR



ELEVATION P-T POCKET REINFORCEMENT



SECTION L1-L1

NOTES

1. POST-TENSIONING LOCAL ZONE REINFORCEMENT SHALL BE THE RESPONSIBILITY OF THE POST-TENSIONING SUPPLIER. COST OF LOCAL ZONE REINFORCEMENT SHALL BE INCIDENTAL TO THE COST OF POST-TENSIONING.

2. BARS S4280 AND S4281 SHALL BE TEMPORARILY BENT OUT OF POSITION TO ACCESS POST-TENSIONING ANCHORAGE.

NUMBER	REVISION	DATE	BY
△ AS-BUILT		6-09	DLJ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
RJB	CER	SLS	8-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
MWL		5300916 OH 10385 WV	

EDGE GIRDER REINFORCEMENT DETAILS (5)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

132/243

462/582

8/3/2009 11:08:36 AM

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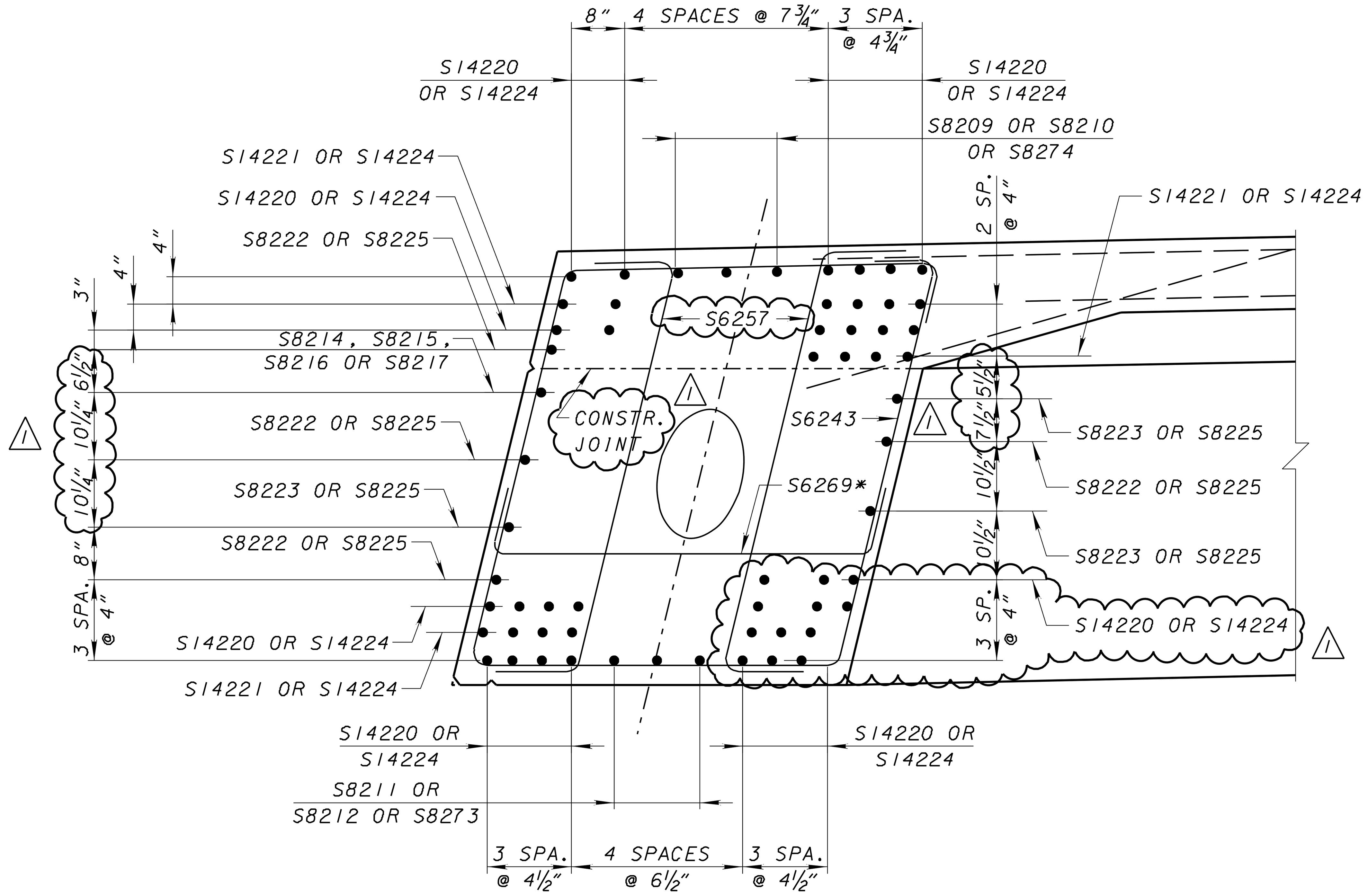
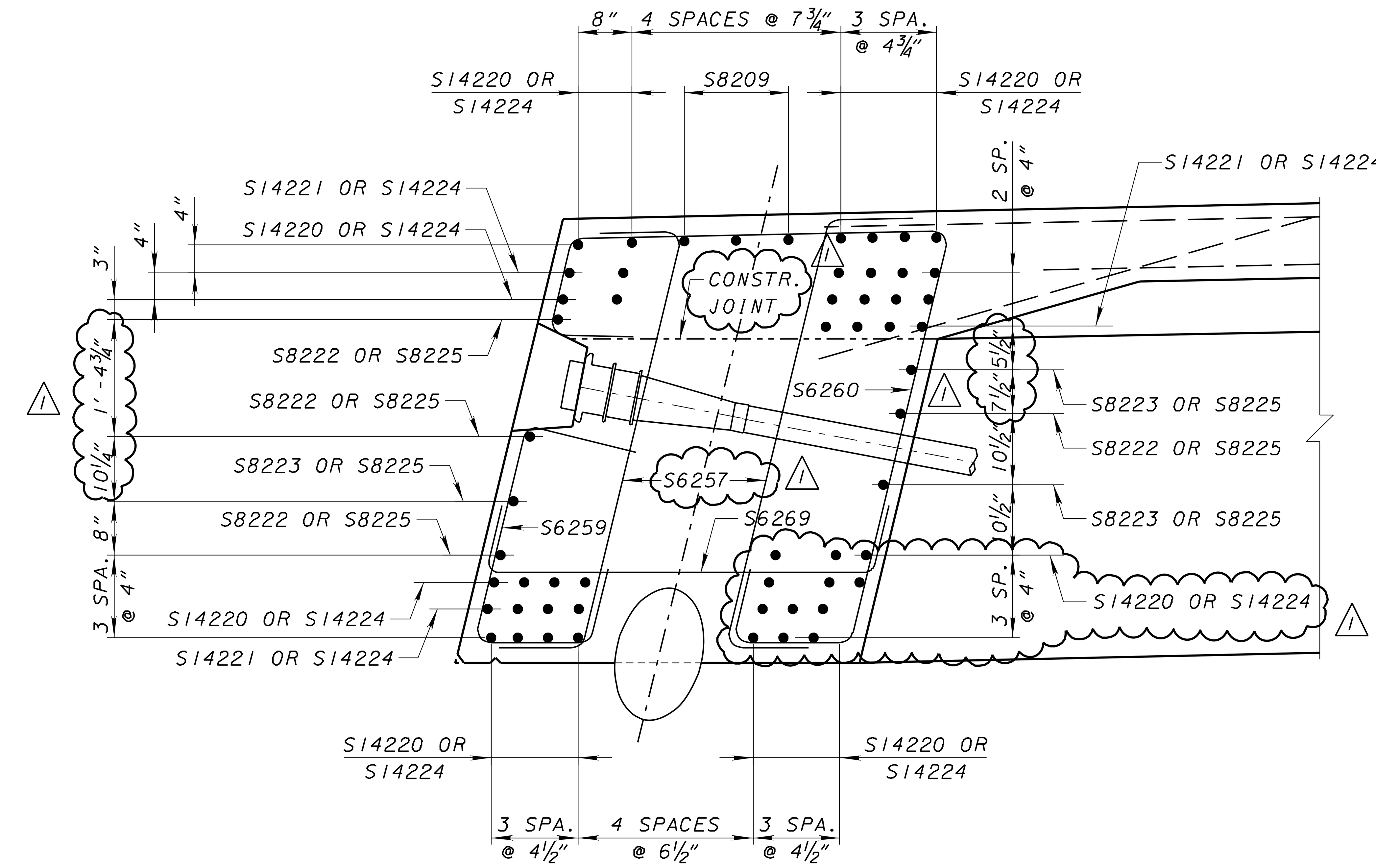
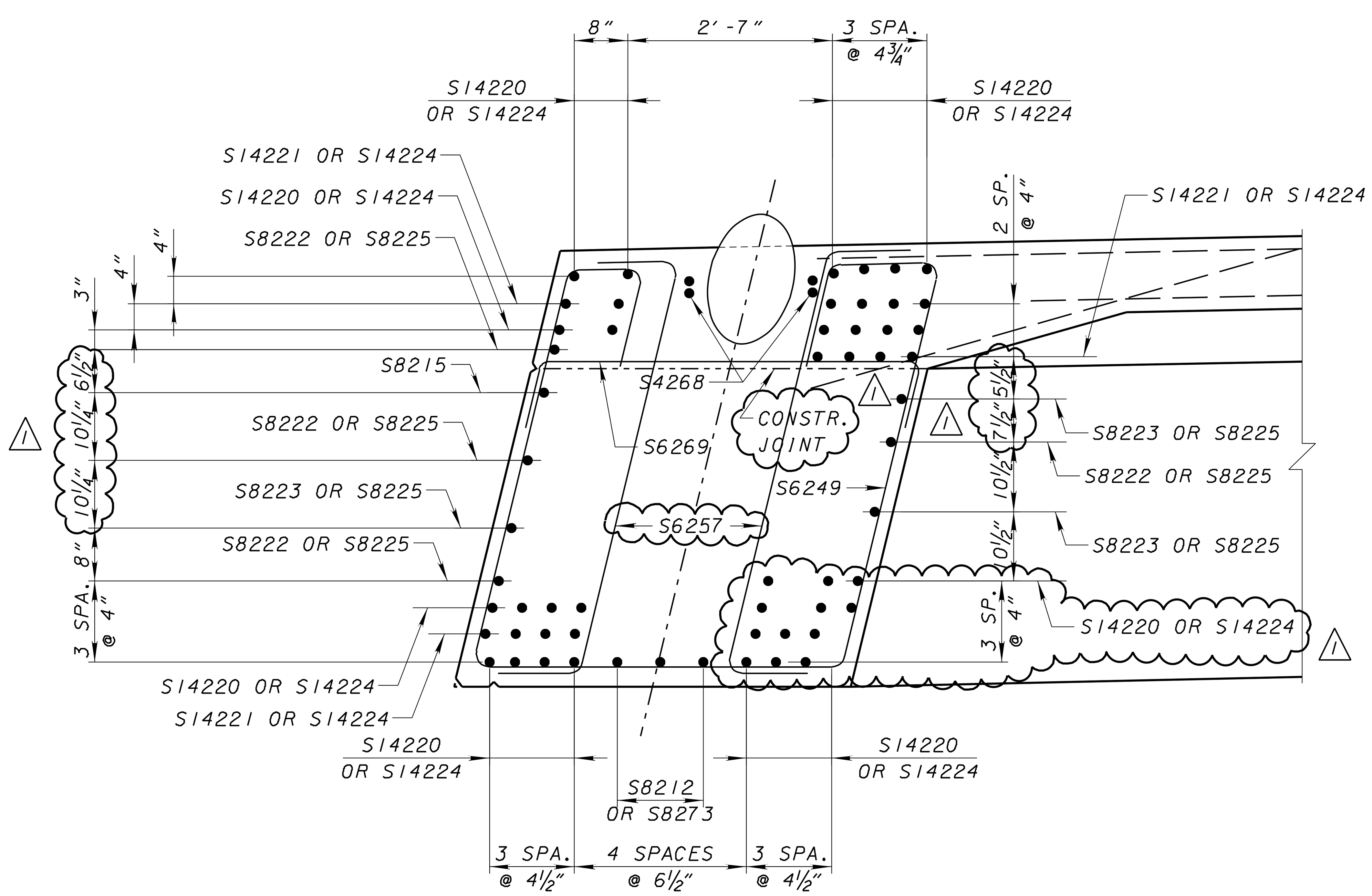


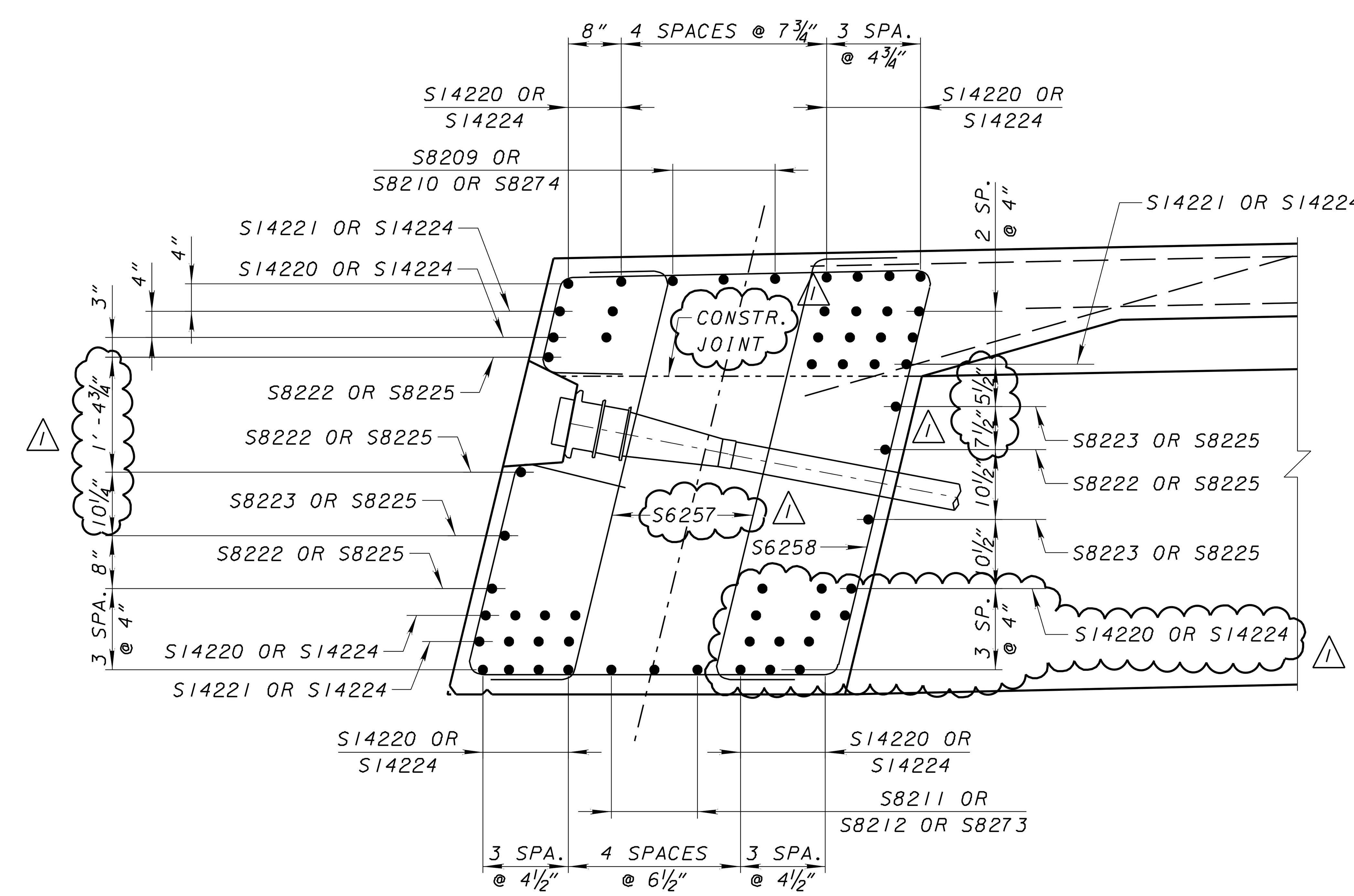
SECTION Y-Y



SECTION A1-A1



SECTION Z-Z



SECTION B1-B1

* S6269 AT STAY PIPES ONLY

NUMBER	REVISION	DATE	BY
1	AS-BUILT	6-09	DLJ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
RJB	CER	SLS	8-02
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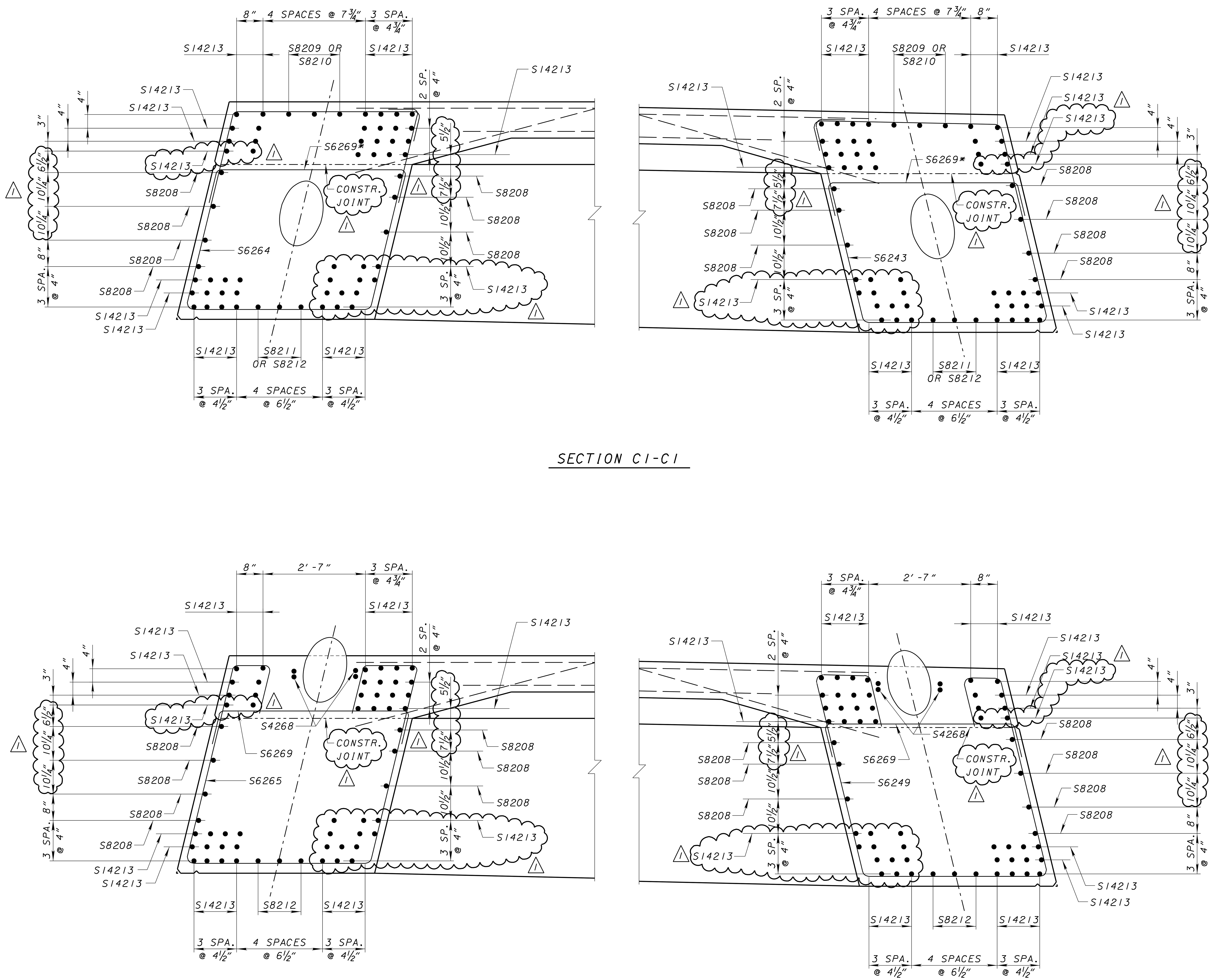
MWL		5300916 OH 10385 WV	

EDGE GIRDER REINFORCEMENT DETAILS (6)

BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70



SECTION C1-C1

SECTION D1-D1

* S6269 AT STAY PIPES ONLY

EDGE GIRDER REINFORCEMENT DETAILS (7)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

NUMBER	REVISION	DATE	BY
1	AS-BUILT	6-09	DLJ

DESIGNED	DRAWN	REVIEWED	DATE
RJB	CER	SLS	8-02
CHECKED MWL	REVISED	STRUCTURE FILE NUMBER 5300916 OH 10385 WV	

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

134/243

464/582

8/3/2009 11:08:36 AM
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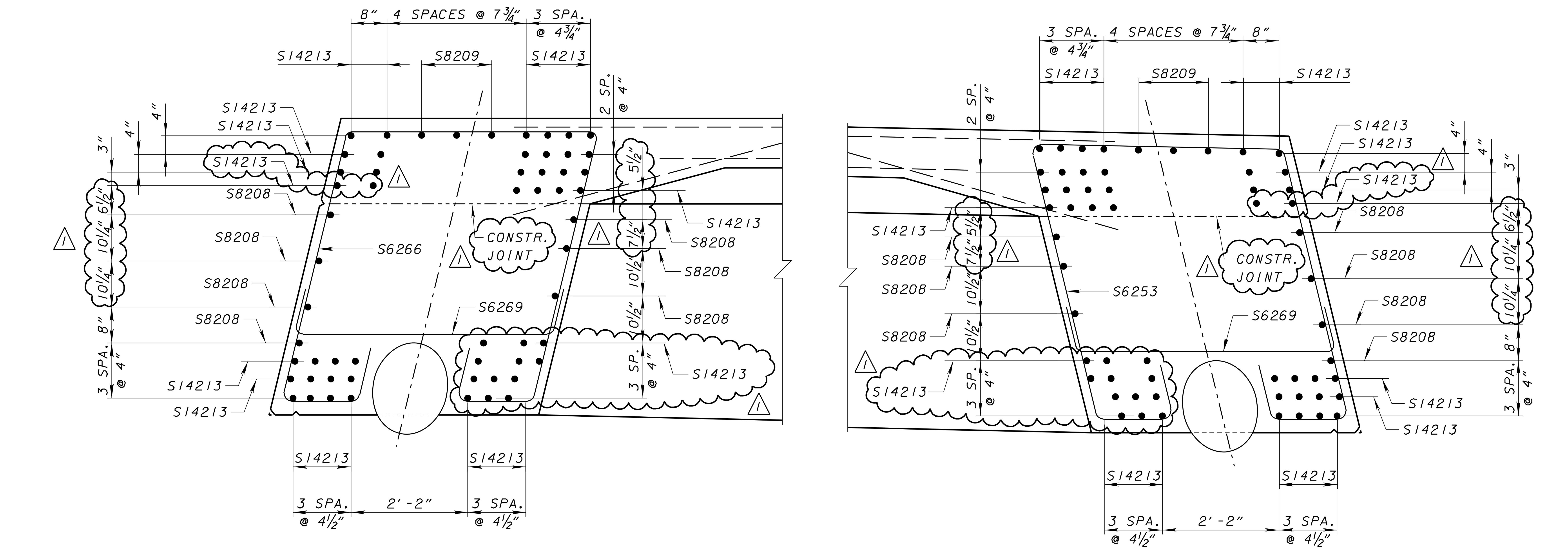
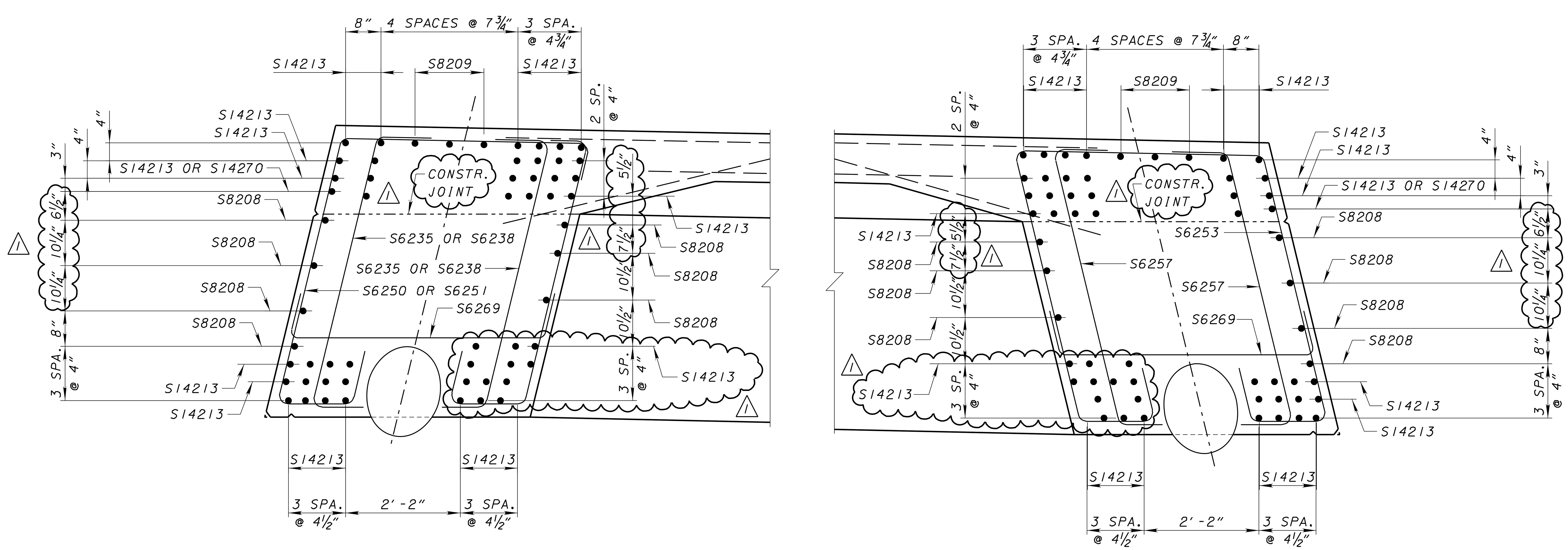


SECTION E1-E1



SECTION F1-F1

NUMBER	REVISION	DATE:	BY:
⚠1	AS-BUILT	6-09	DLJ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
RJB	CER	SLS	8-02

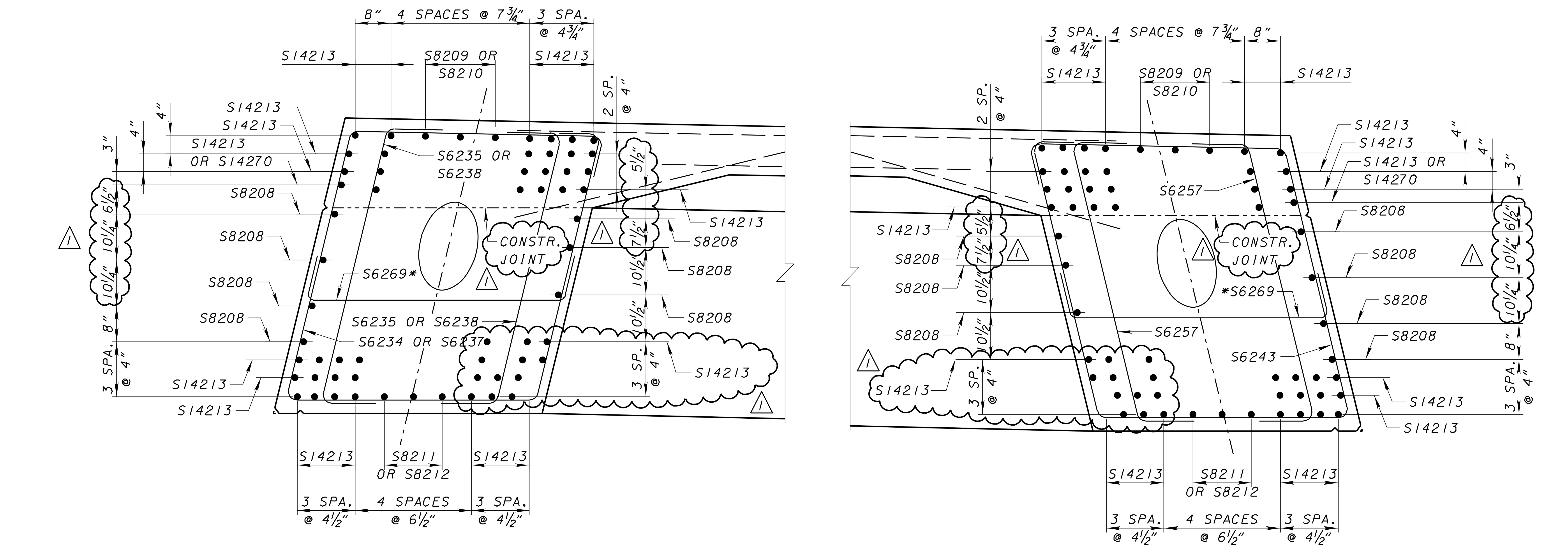
CHECKED	REVISED	STRUCTURE FILE NUMBER
MWL		5300916 OH 10385 WV

EDGE GIRDER REINFORCEMENT DETAILS (8)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

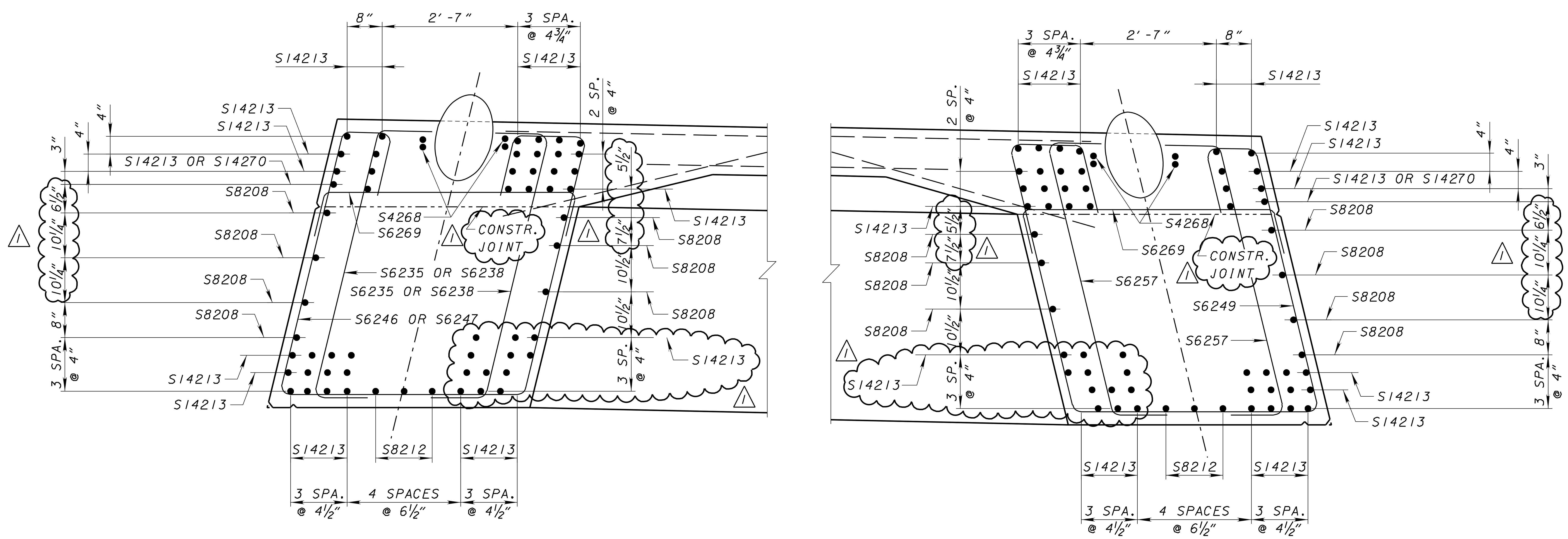
MEG-33-15.70

135/243

465/582



SECTION G1-G1



SECTION H1-H1

* S6269 AT STAY PIPES ONLY

NUMBER	REVISION	DATE:	BY:
△	AS-BUILT	6-09	DLJ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

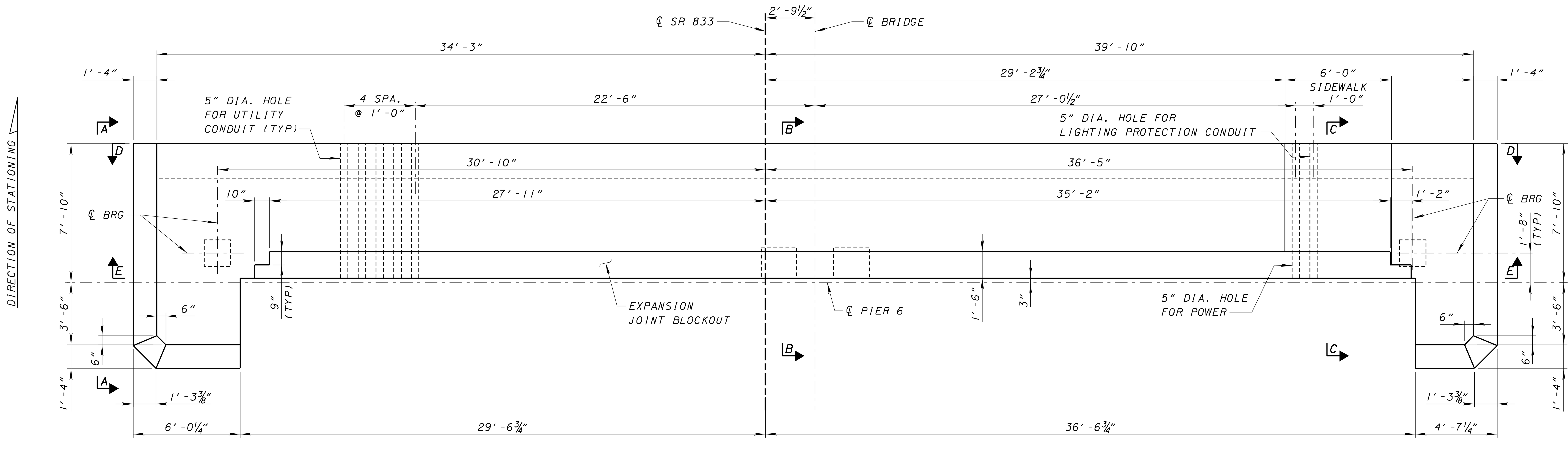
DESIGNED	DRAWN	REVIEWED	DATE
RJB	CER	SLS	8-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
MWL		5300916 OH 10385 WV	

EDGE GIRDER REINFORCEMENT DETAILS (9)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

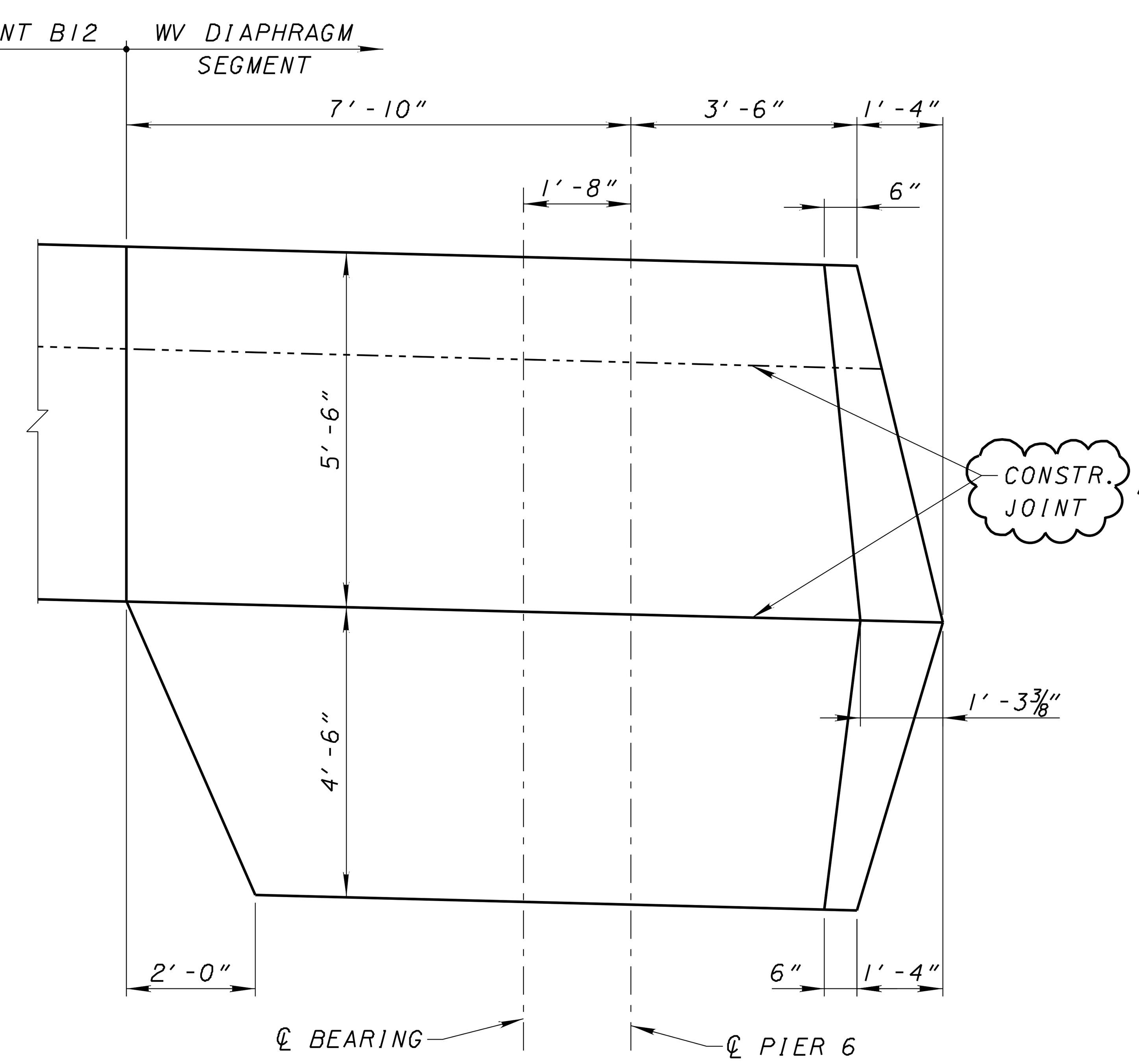
MEG-33-15.70

136/243

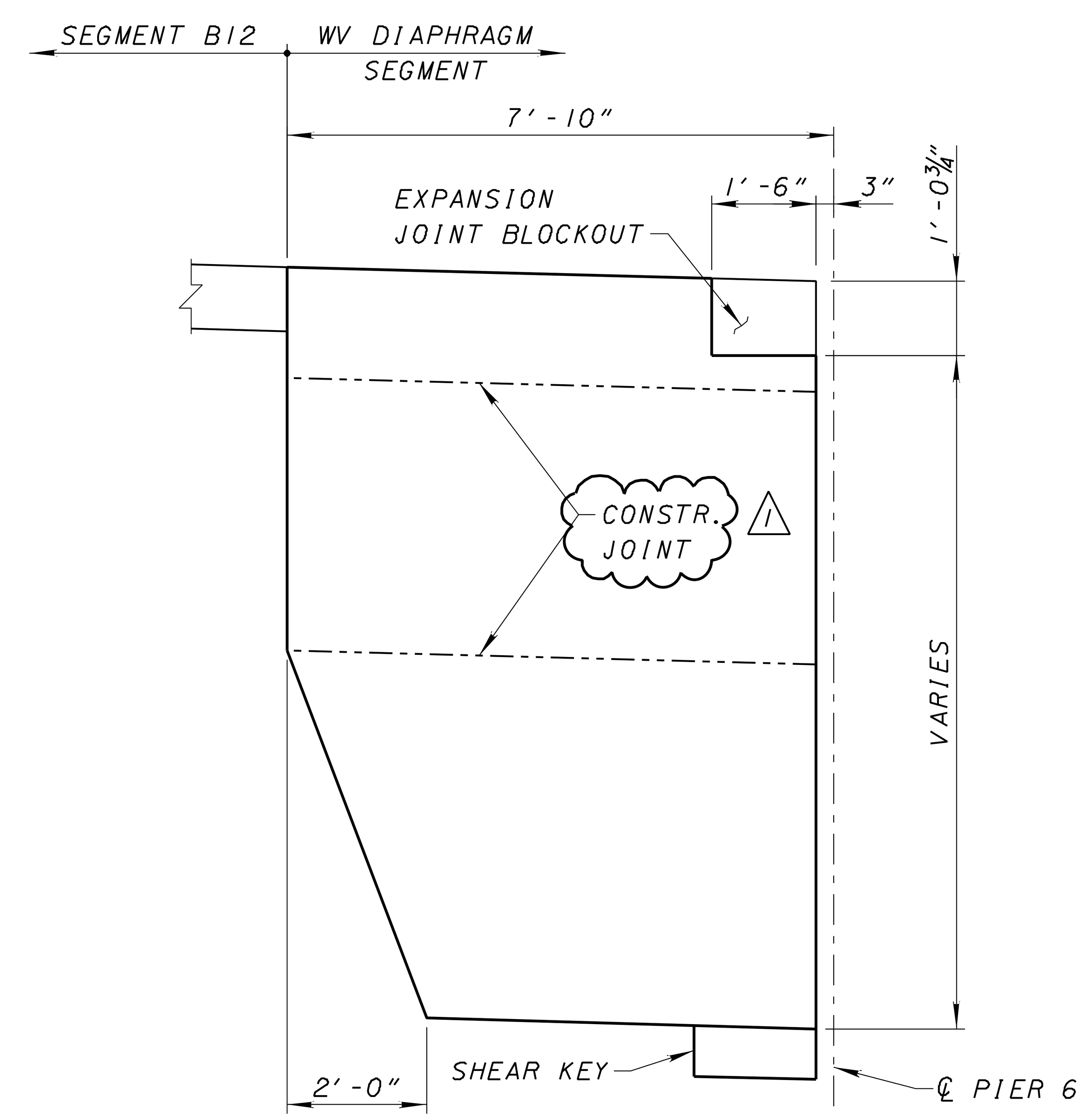
466/582



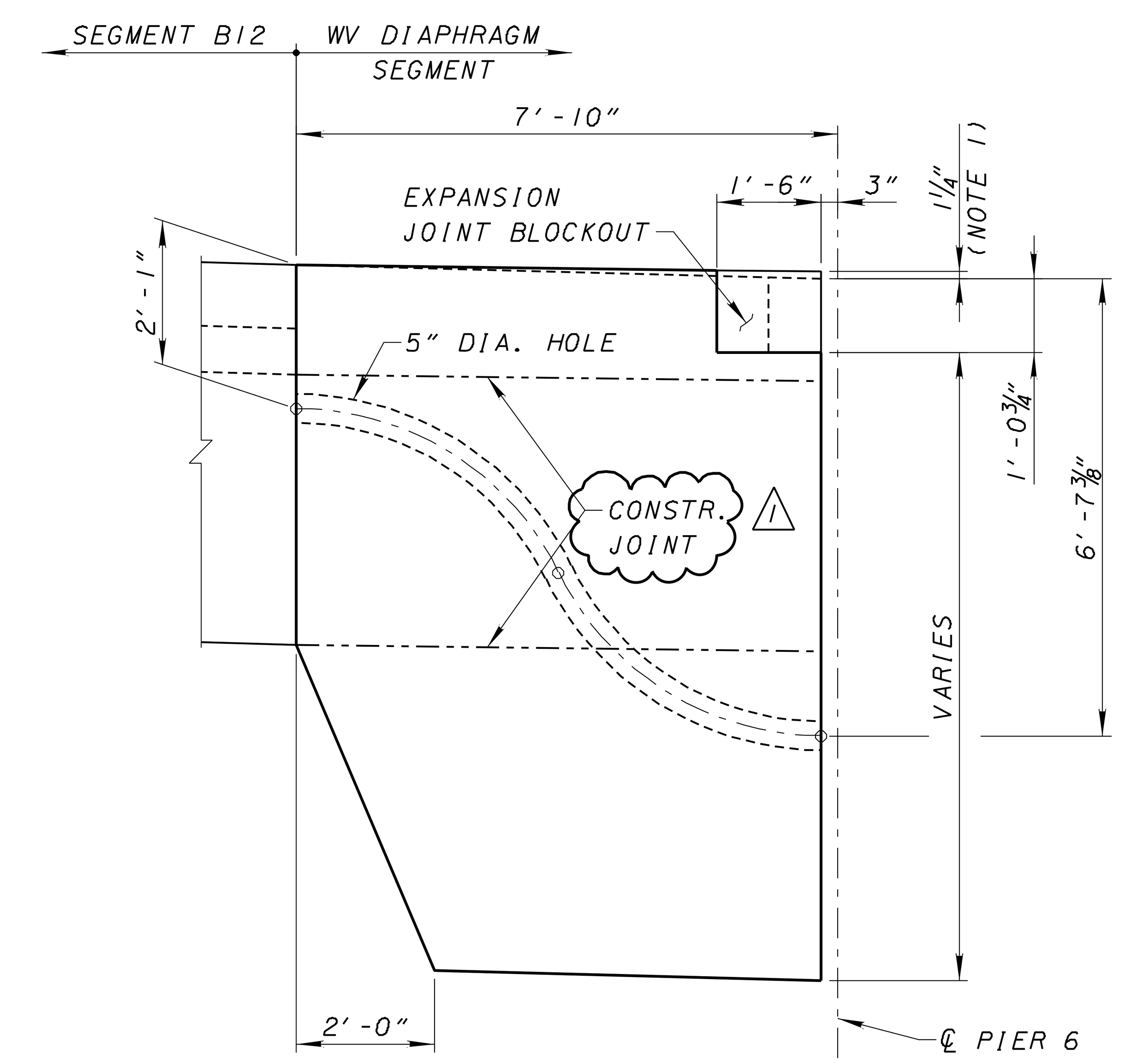
PLAN VIEW
(CONCRETE BARRIERS NOT SHOWN)



SECTION A-A



SECTION B-B



SECTION C-C

NOTES

1. TOP SURFACE IS SLOPED UP 1¼" OVER THE LENGTH OF THE OH DIAPHRAGM ONLY WITHIN THE LIMITS OF THE SIDEWALK TO MATCH THE SIDEWALK ELEVATION OF THE APPROACH STRUCTURE.

NUMBER	REVISION	DATE	BY
1	AS-BUILT	6-09	DLJ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
PS	CER	SLS	8-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
RJB		5300916 OH 10385 WV	

WV DIAPHRAGM SEGMENT GEOMETRY (I)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

137/243

467/582

8/3/2009 11:08:36 AM
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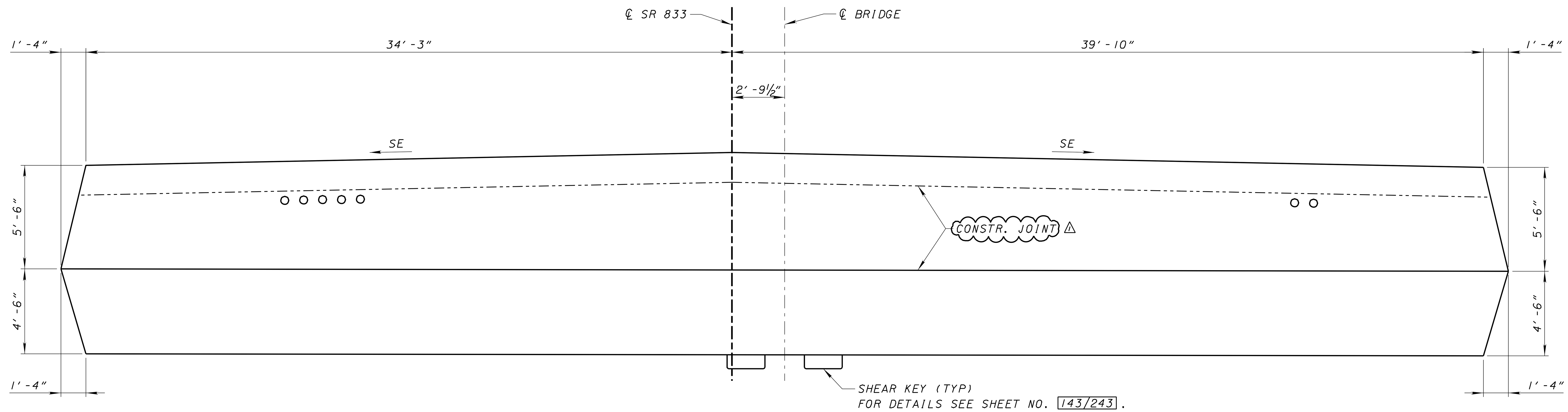
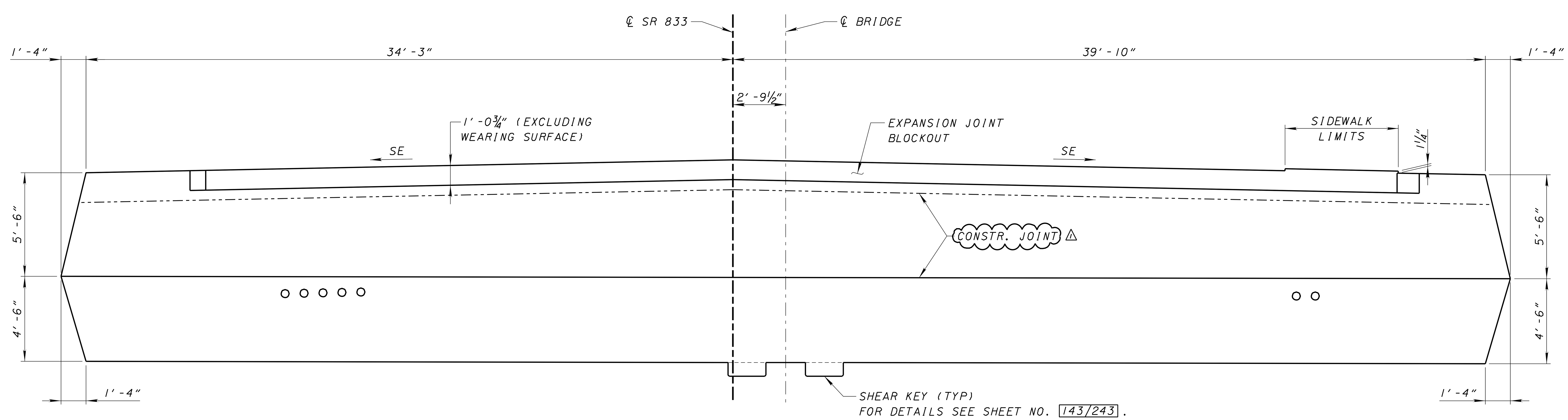


SECTION D-D
(START OF SEGMENT)
(REFLECTIVE VIEW)



SECTION E-E
(END FACE OF SEGMENT)

NUMBER	DATE	BY	REVISION
AS-BUILT	6-09	DLJ	

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
PS	CER	SLS	8-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
RJB		5300916 OH 10385 WV	

WV DIAPHRAGM SEGMENT GEOMETRY (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

8/3/2009 11:08:36 AM
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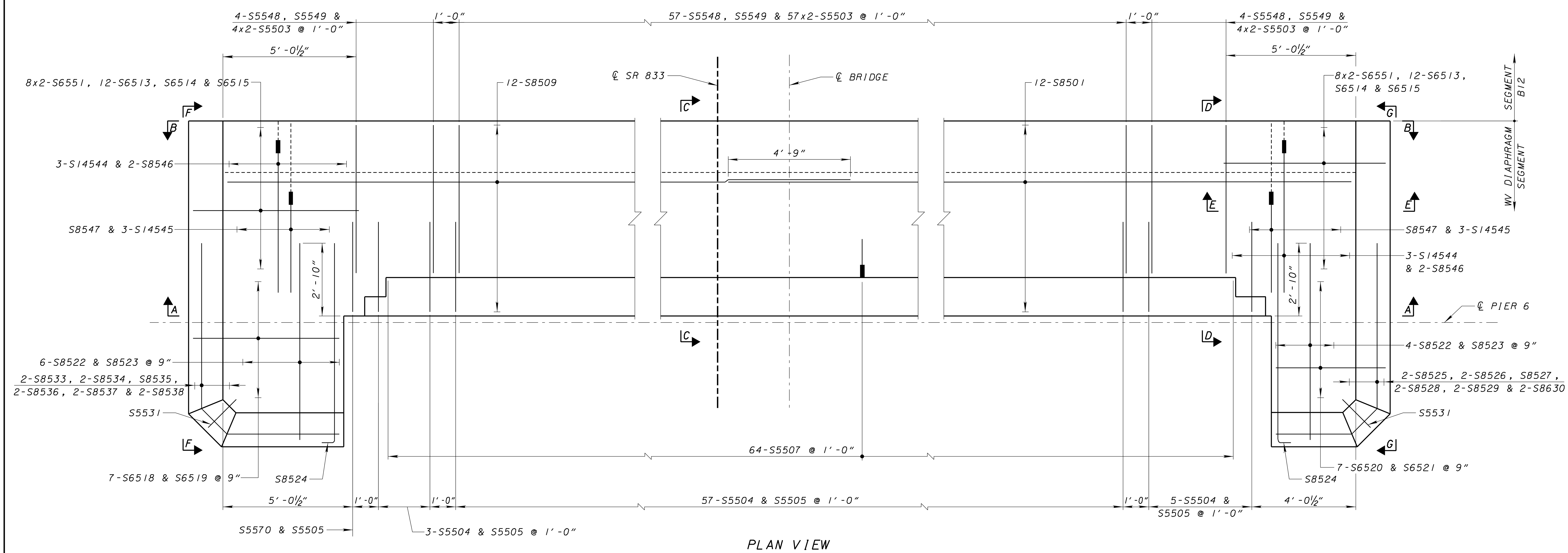

PLAN VIEW

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
PS	CER	SLS	8-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
RJB		5300916 OH 10385 WV	

WV DIAPHRAGM SEGMENT REINFORCEMENT (1)

BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

139/243

469/582

5/16/2006 7:27:47 AM
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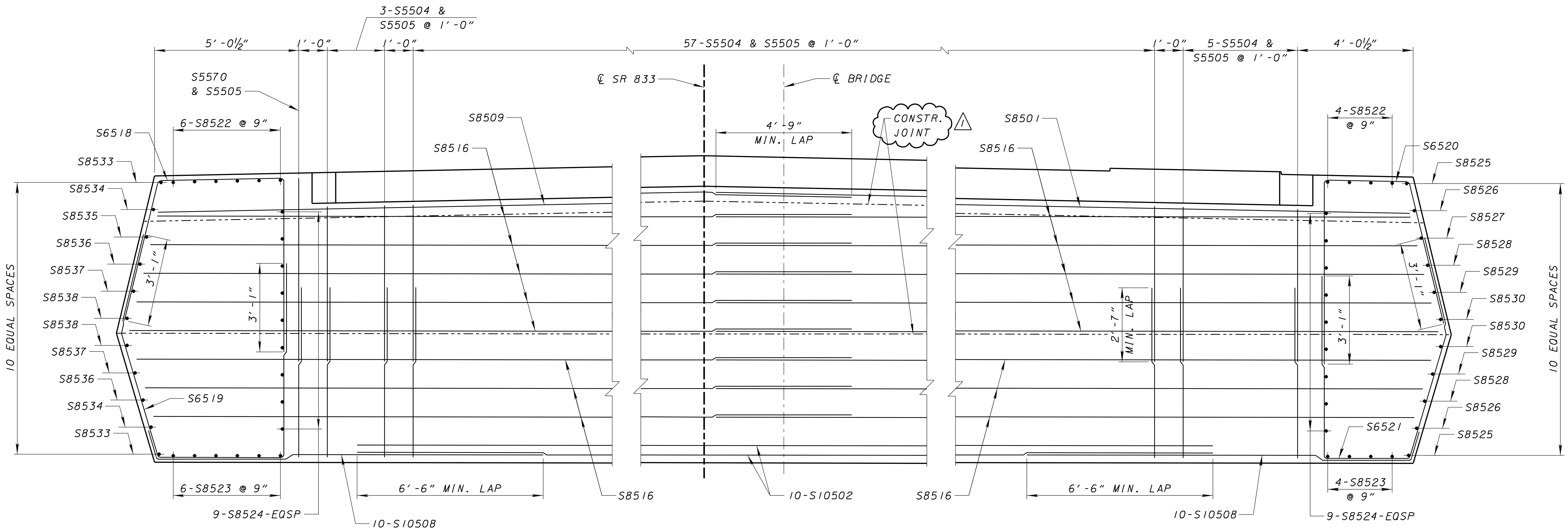
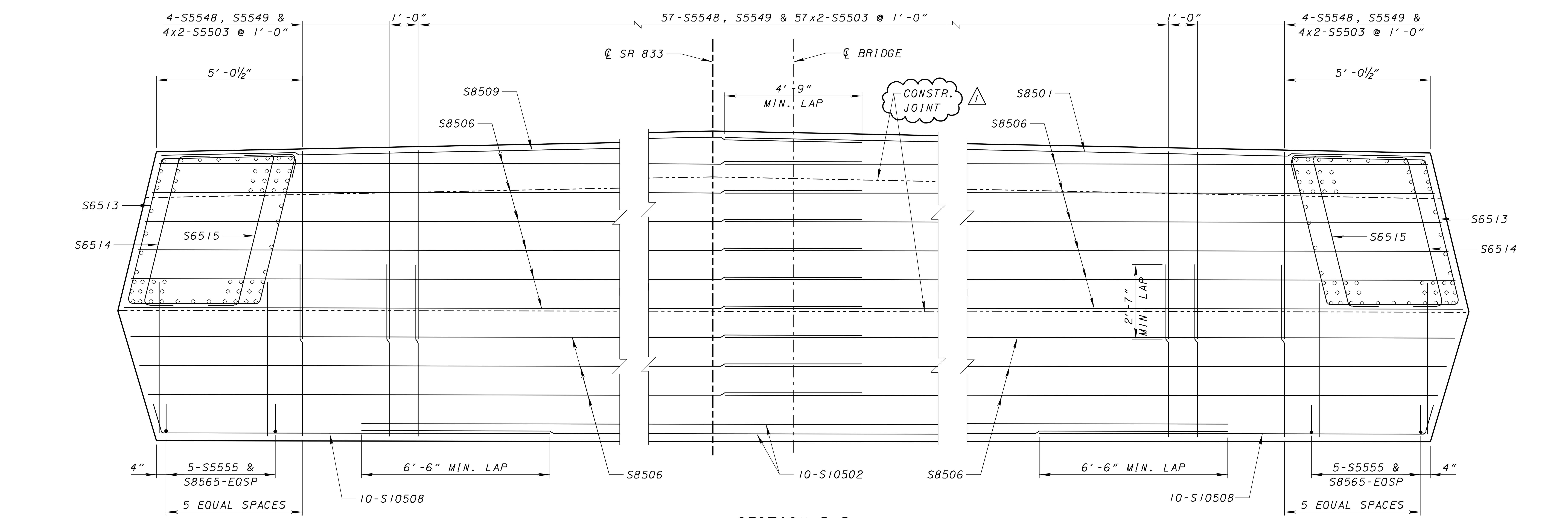


SECTION A-A



SECTION B-B

(REFLECTIVE VIEW)

NUMBER	REVISION	DATE:	BY:
△	AS-BUILT	6-09	DLJ

DESIGN AGENCY

BRW HAZELET & ERDAL

A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
PS	CER	SLS	8-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
RJB		5300916 OH 10385 WV	

WV DIAPHRAGM SEGMENT REINFORCEMENT (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

140/243

470/582

8/3/2009 11:08:36 AM

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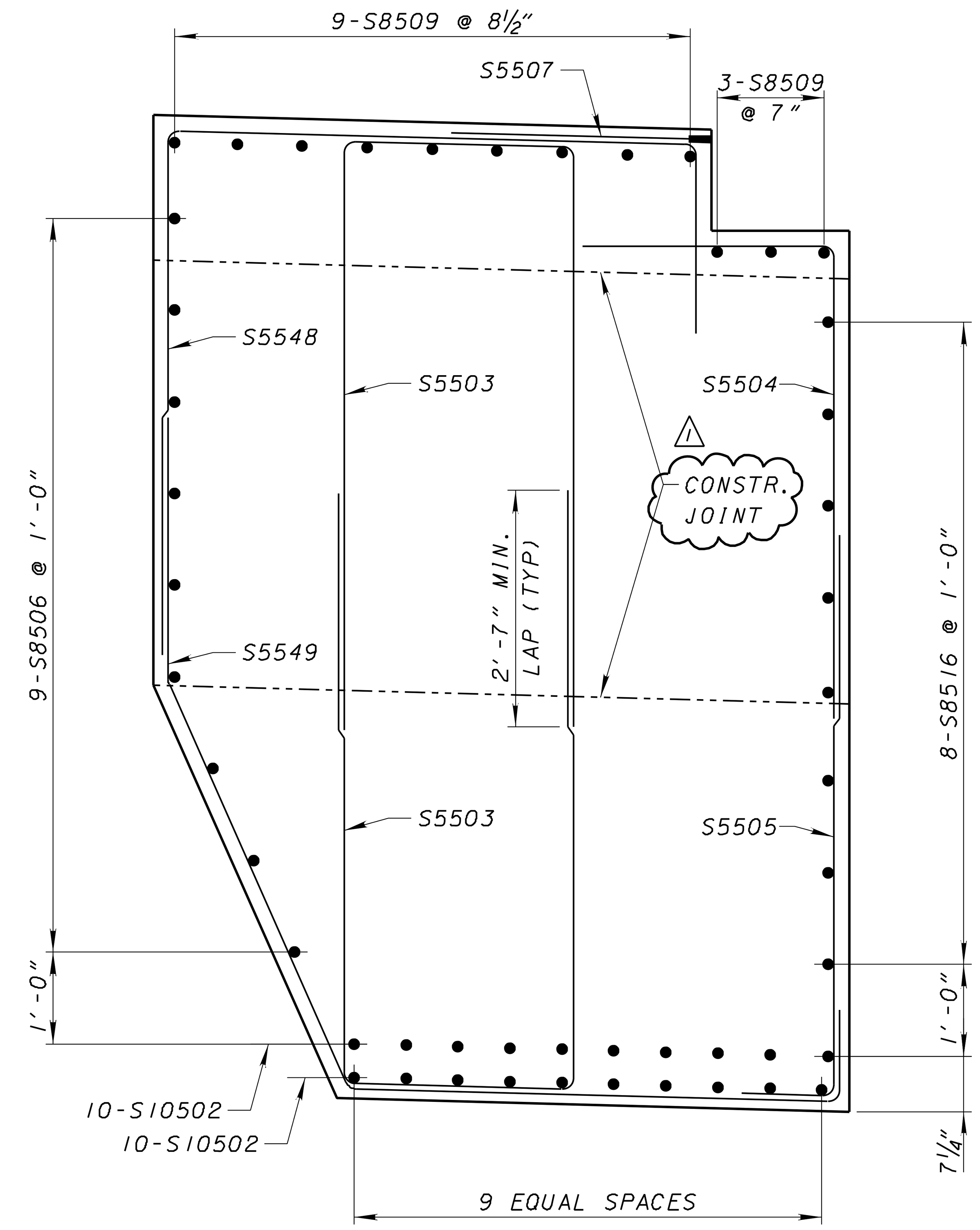
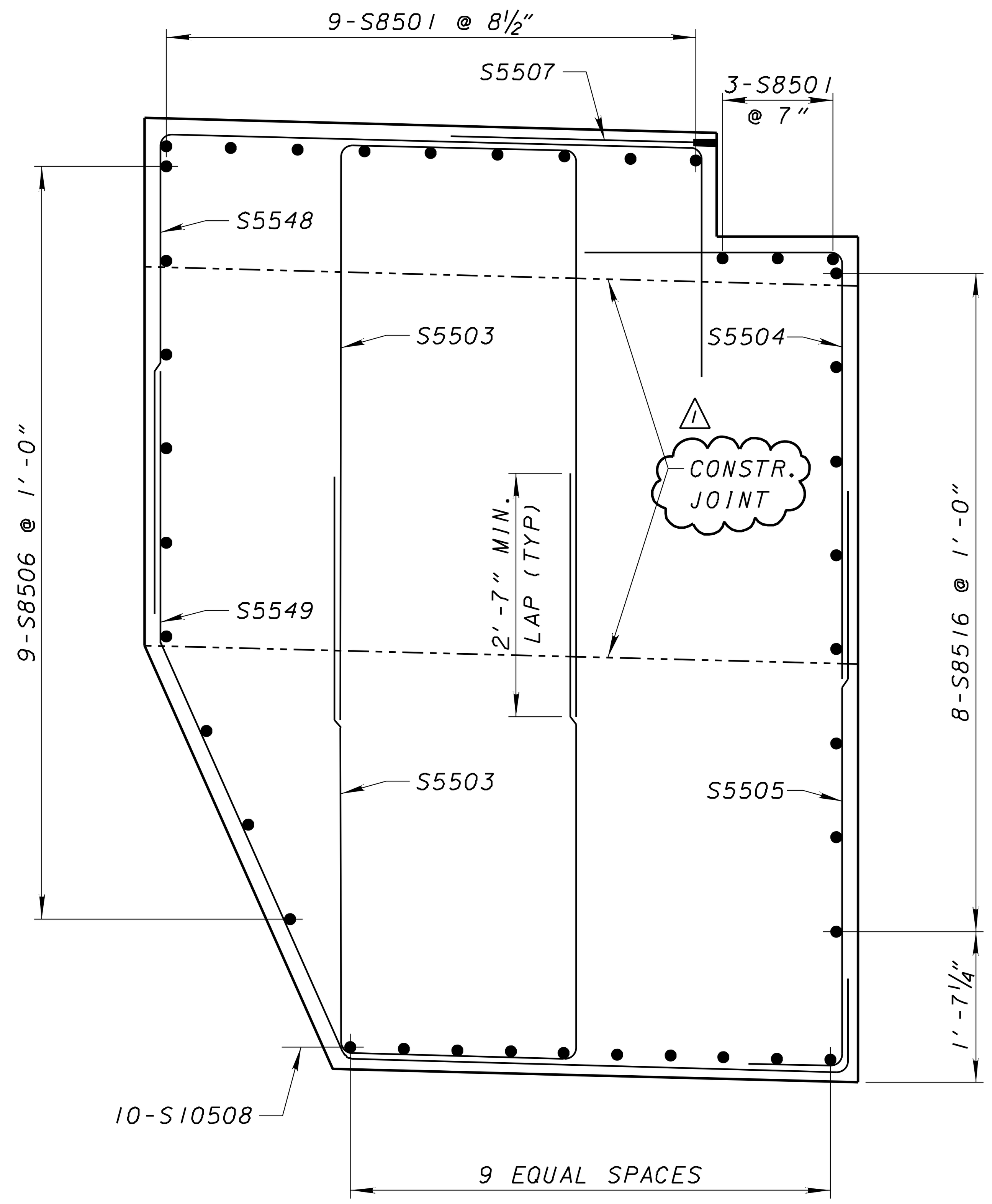
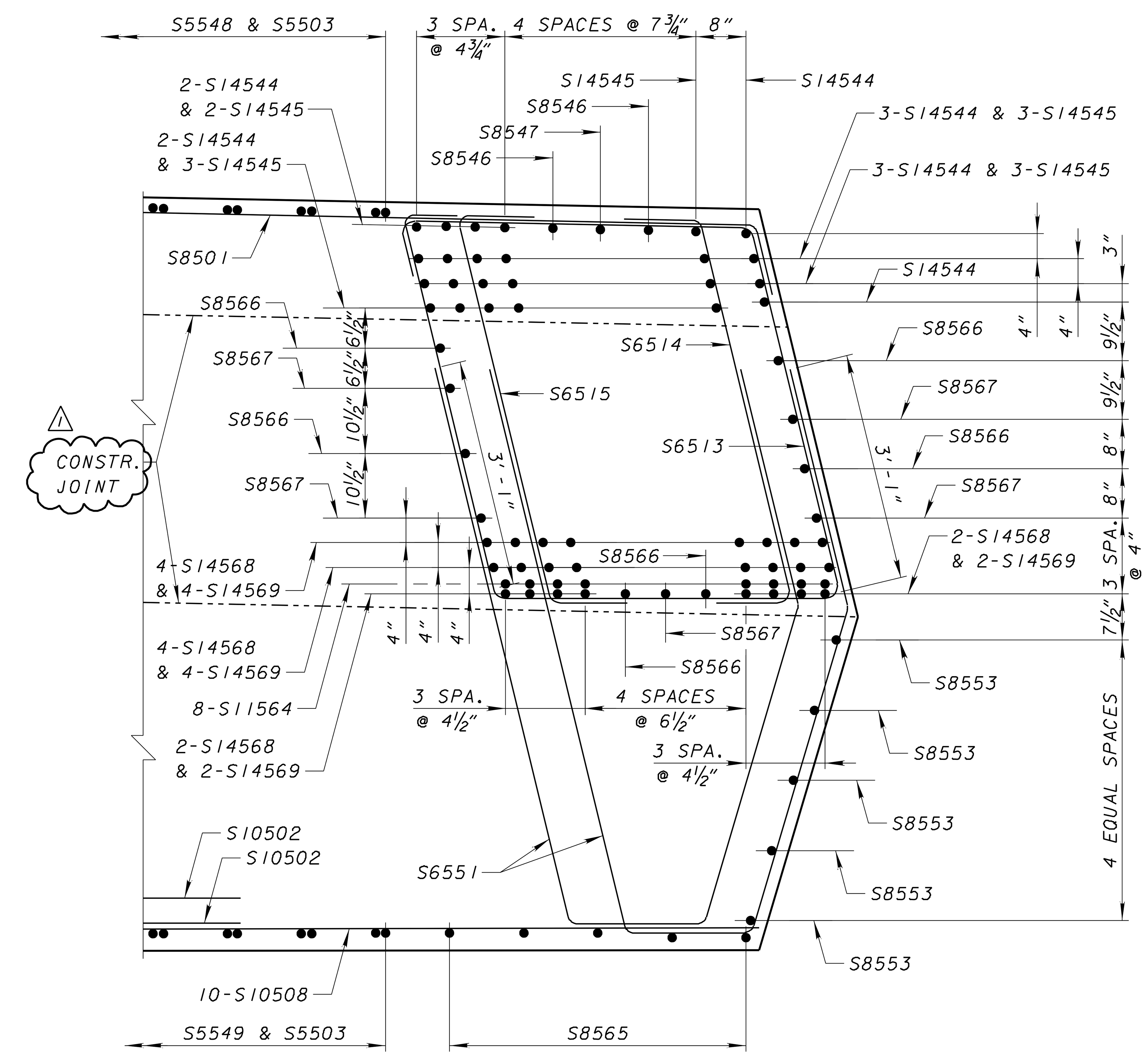


SECTION C-C



SECTION D-D



SECTION E-E

WV DIAPHRAGM SEGMENT REINFORCEMENT (3)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

NUMBER	REVISION	DATE	BY
1 (AS-BUILT)		6-09	DLJ

DESIGN AGENCY: BRW HAZELET & ERDAL, A URS COMPANY, 36 EAST 7TH STREET, SUITE 2300, CINCINNATI, OHIO 45202, (513) 651-3440

DESIGNED	DRAWN	REVIEWED	DATE
PS	CER	SLS	8-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
RJB		5300916 OH / 10385 WV	

MEG-33-15.70

141/243

471/582

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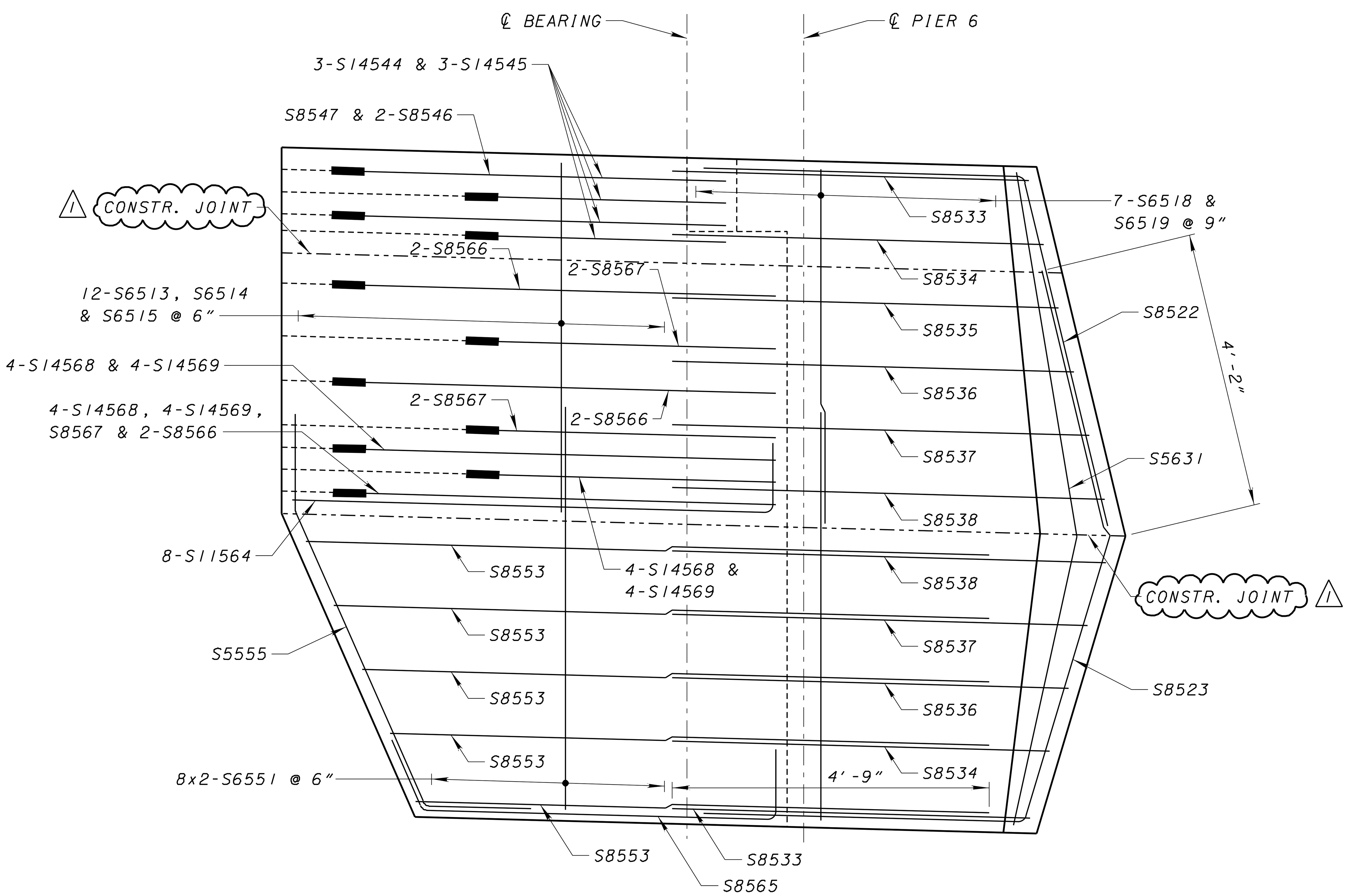
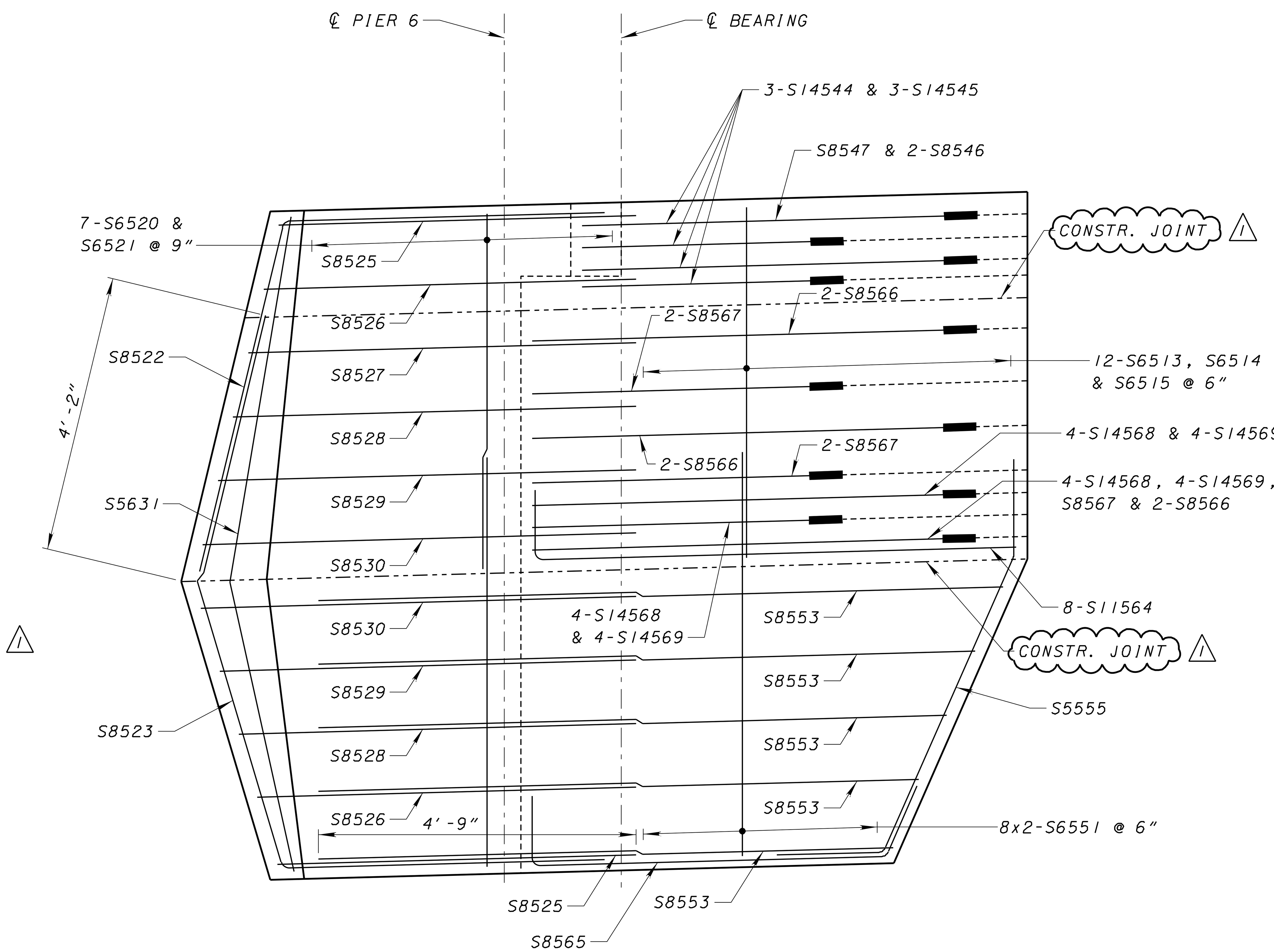


SECTION F-F



SECTION G-G

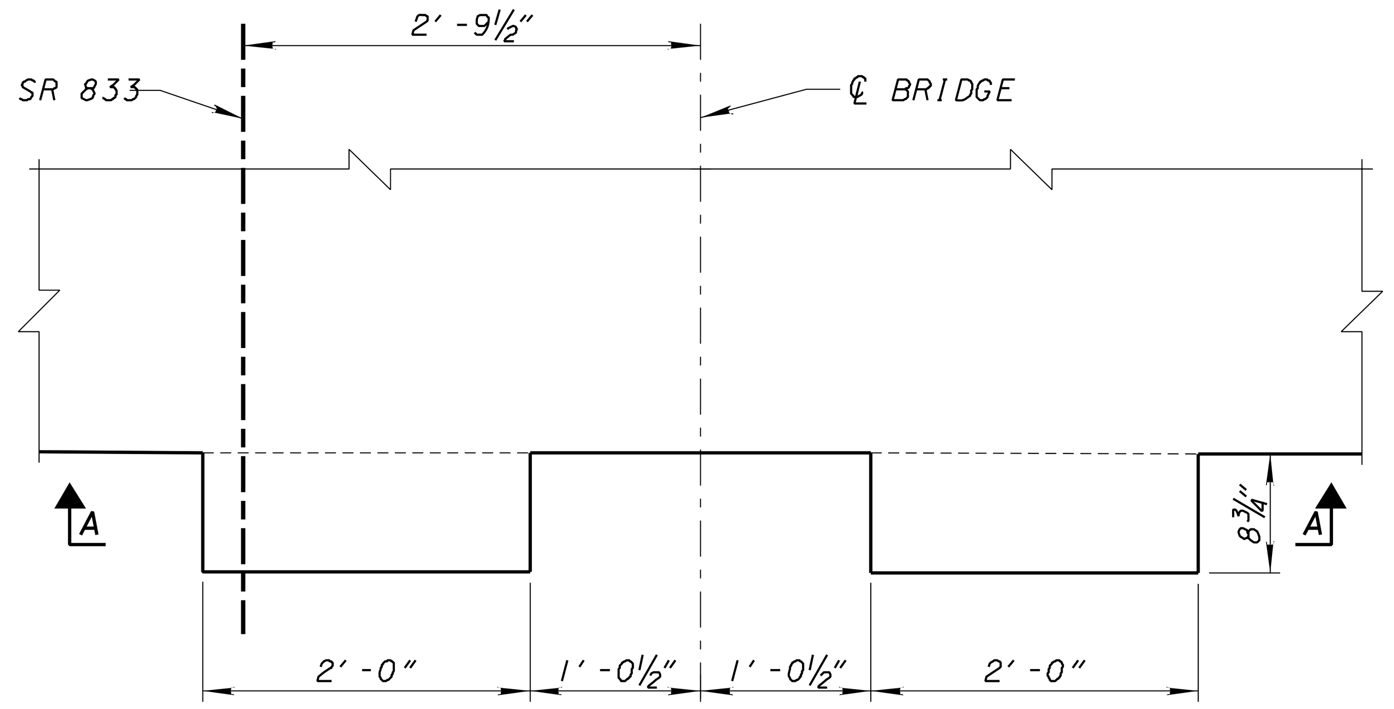
NUMBER | REVISION | DATE: | BY:
△ | AS-BUILT | 6-09 | DLJ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

REVIEWED SLS
DATE 8-02
STRUCTURE FILE NUMBER 5300916 OH 10385 WV
DRAWN CER
REVISED
DESIGNED PS
CHECKED RJB

WV DIAPHRAGM SEGMENT REINFORCEMENT (4)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70



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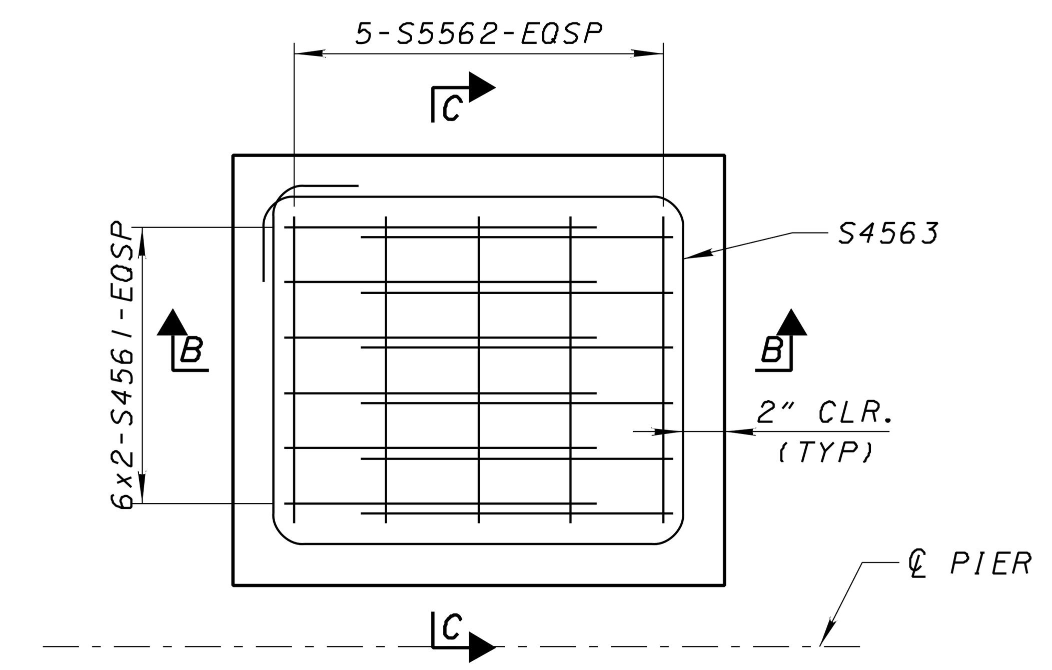
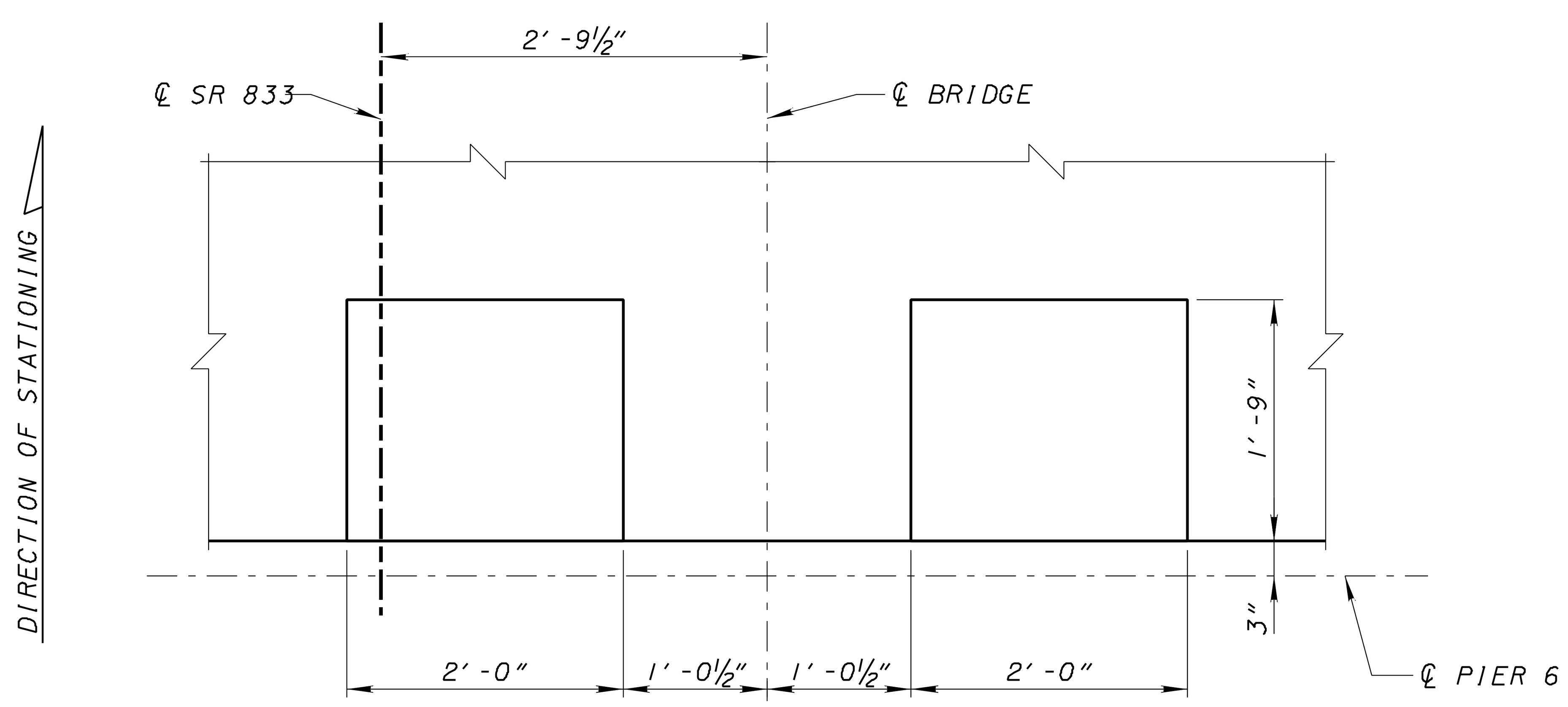
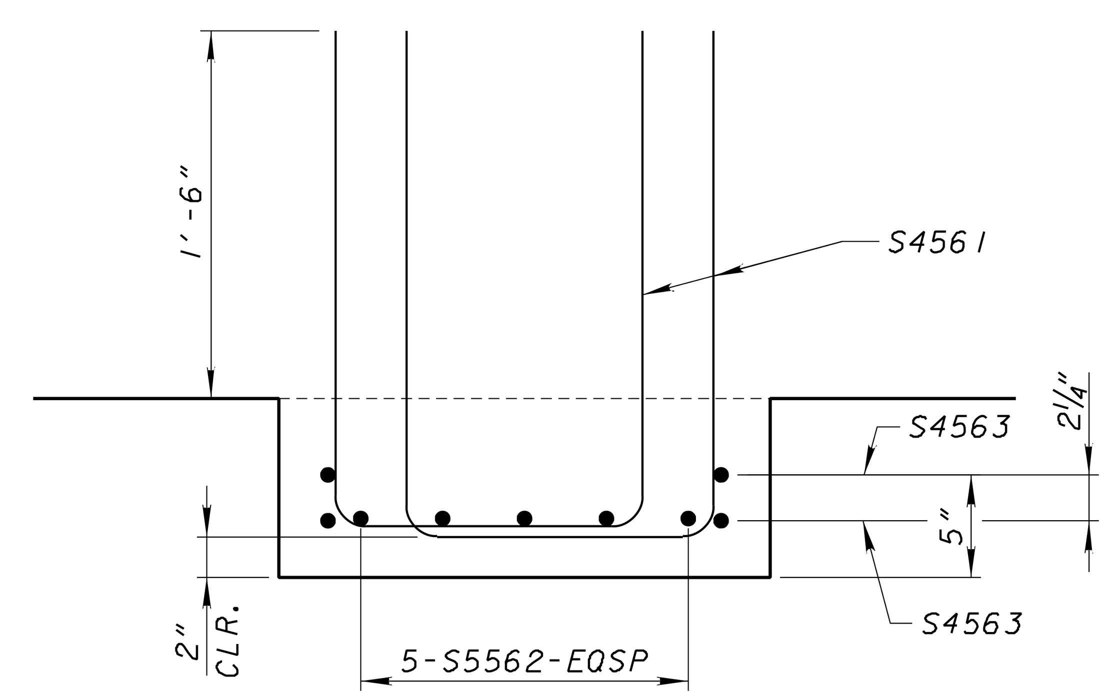


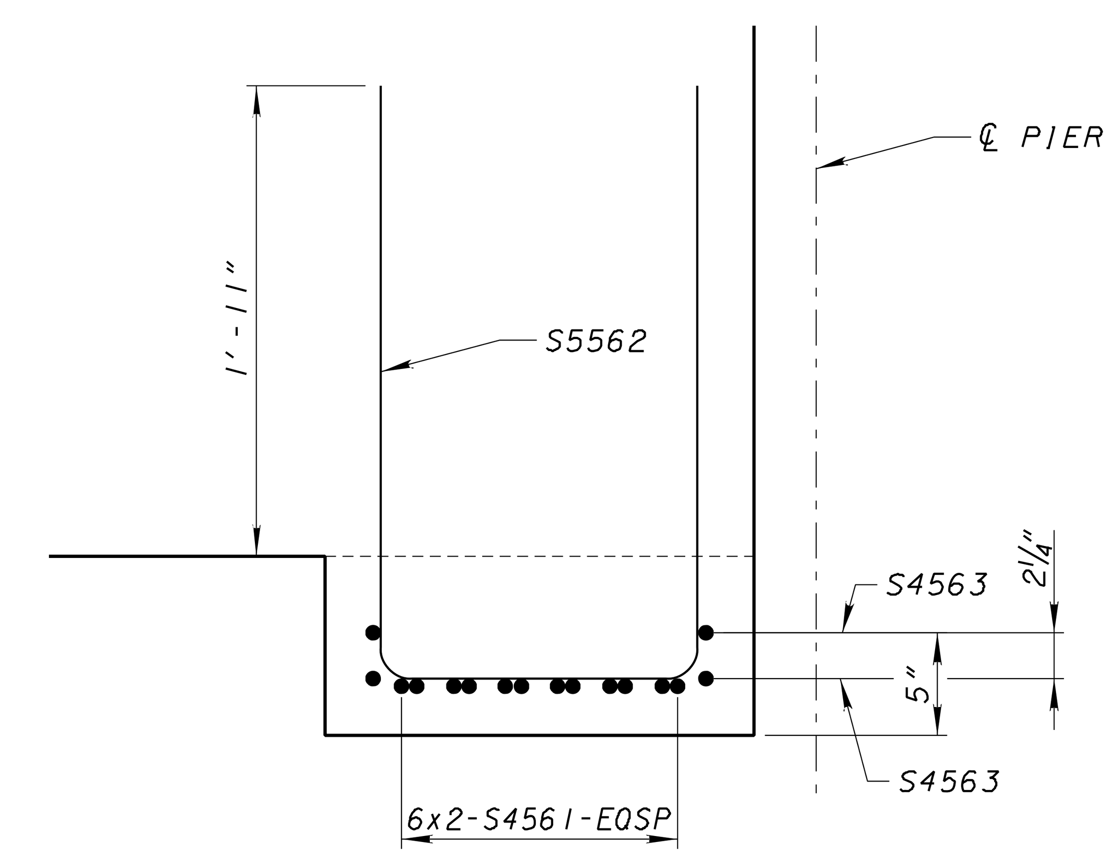
SHEAR KEY REINFORCING PLAN



SECTION A-A
(REFLECTIVE VIEW)



SECTION B-B



SECTION C-C

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
PS	CER	SLS	8-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
DLJ		5300916 OH 10385 WV	

WV DIAPHRAGM SEGMENT SHEAR KEY DETAILS
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

143/243

473/582

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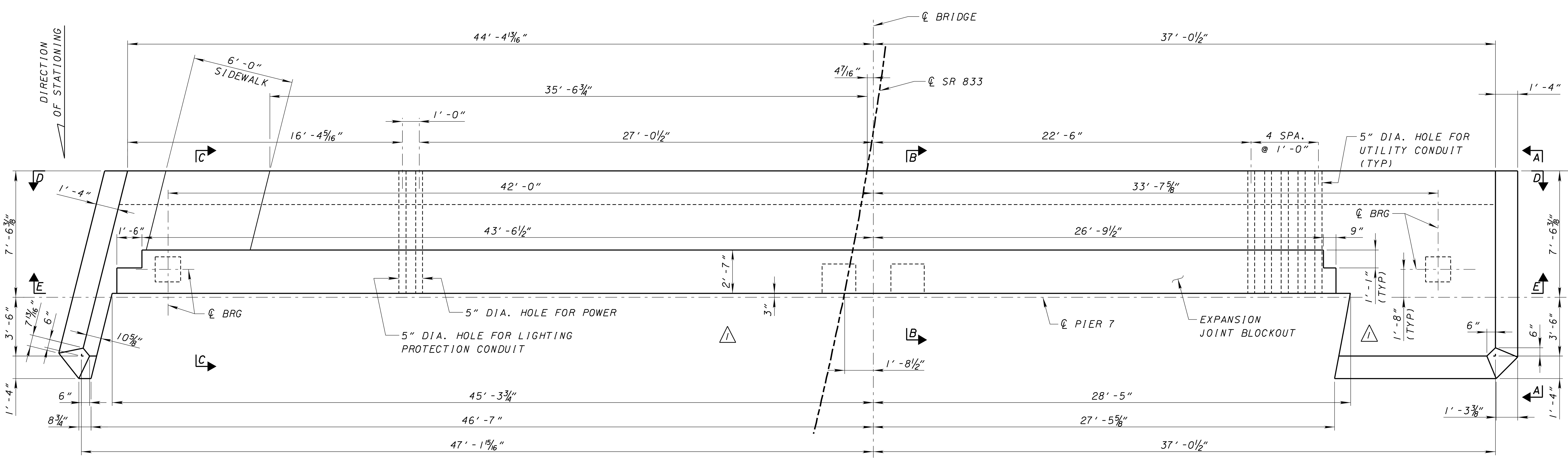
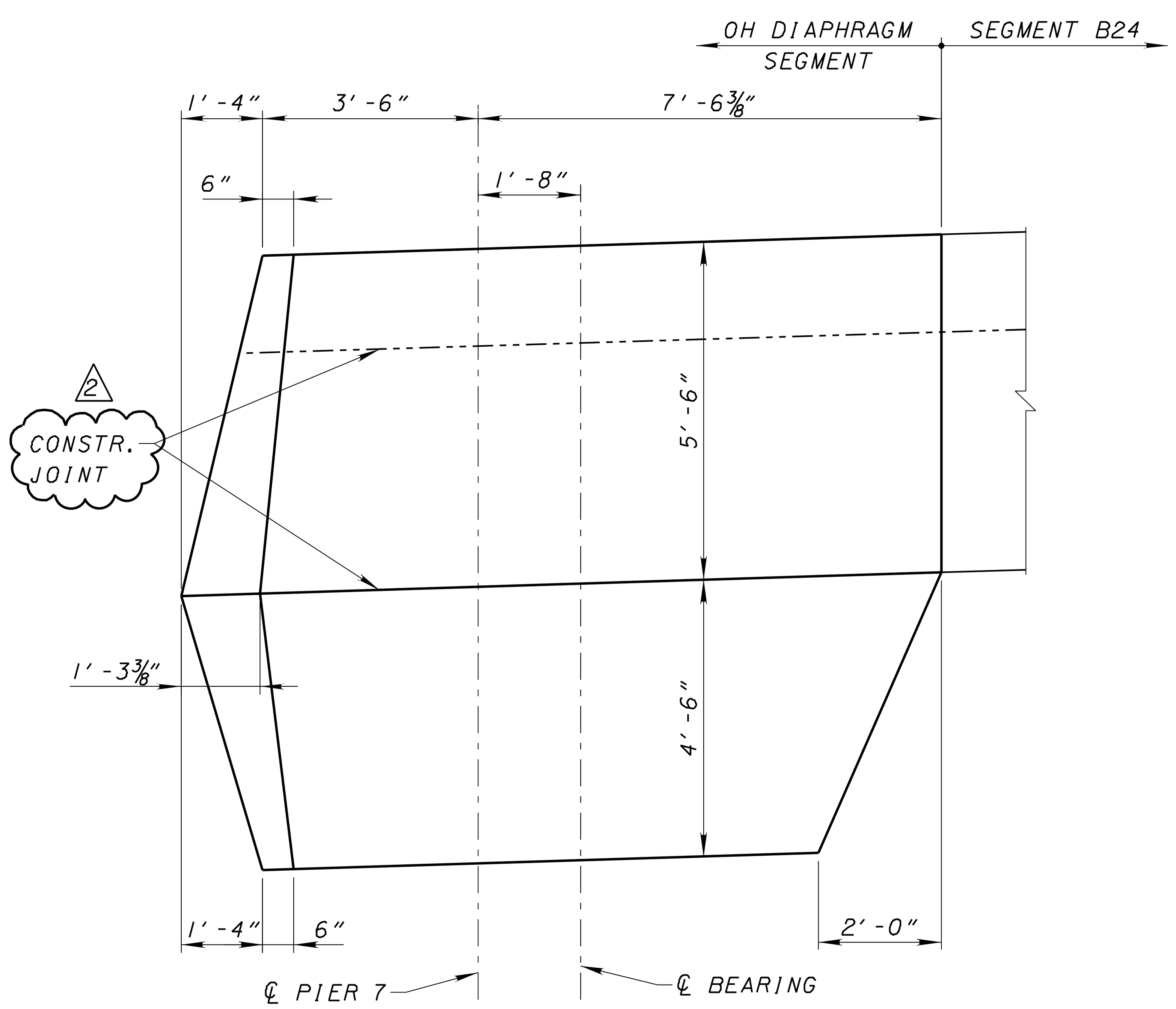
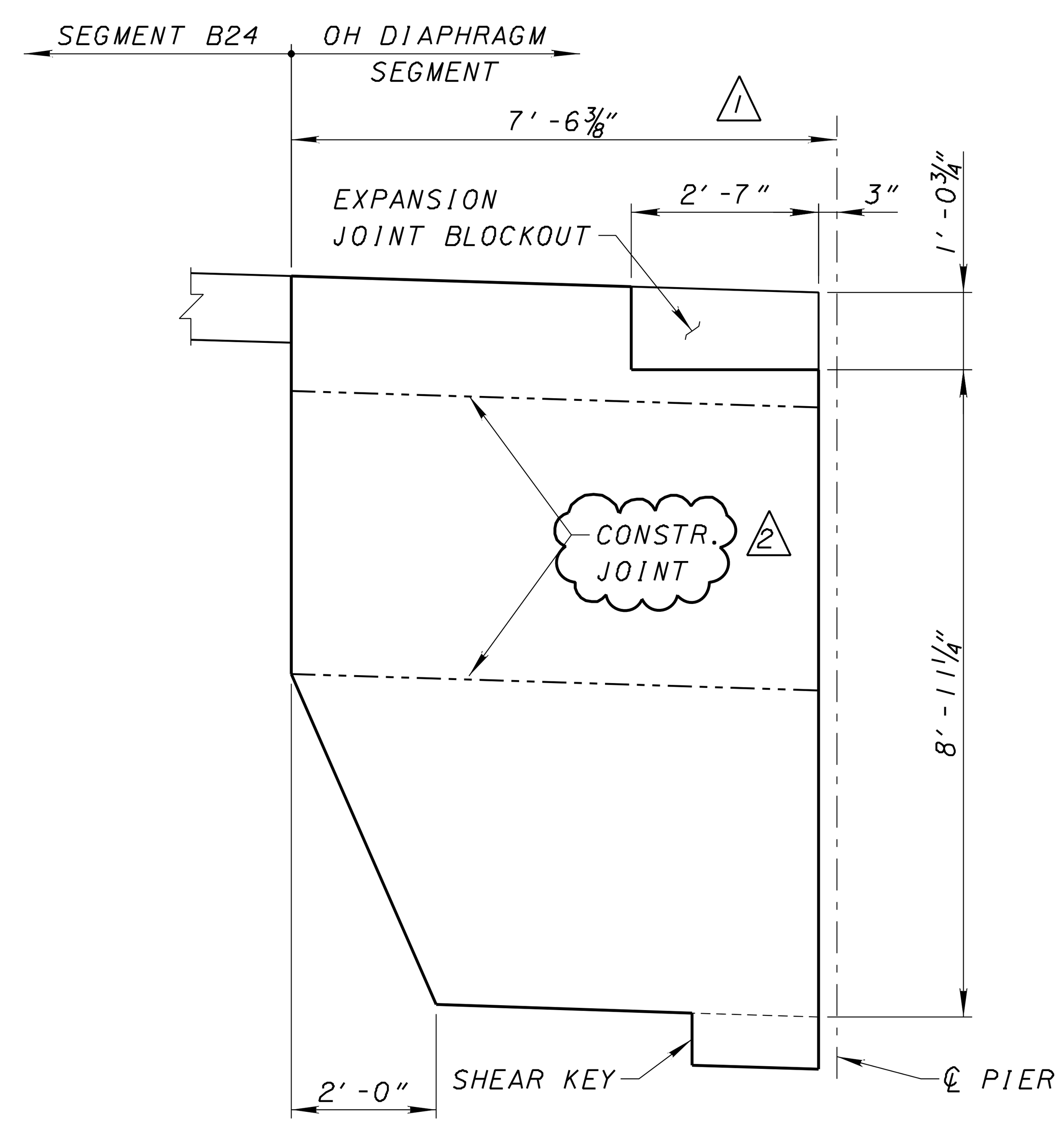


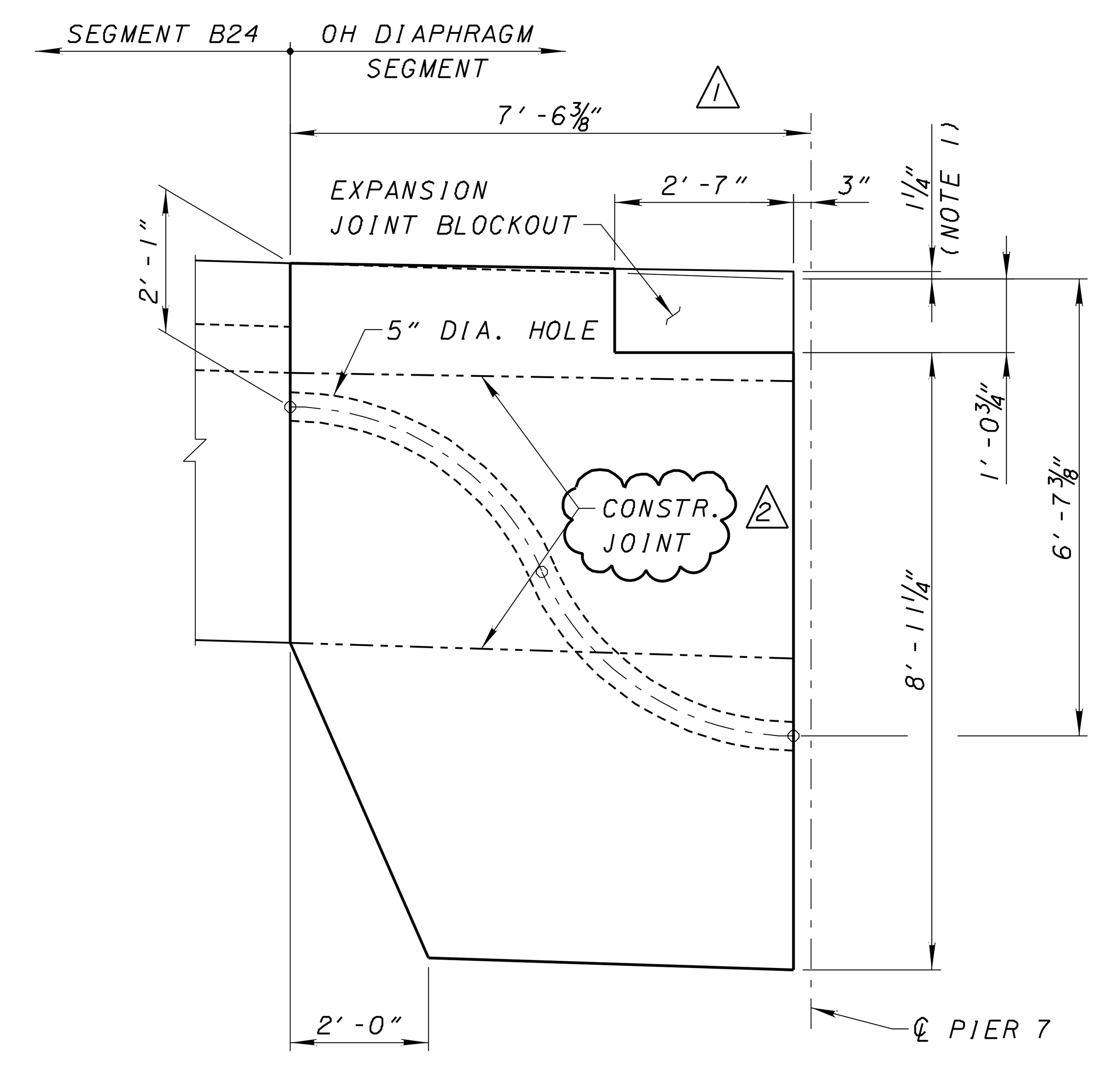
PLAN VIEW
(CONCRETE BARRIERS NOT SHOWN)



SECTION A-A



SECTION B-B



SECTION C-C

NOTES

1. TOP SURFACE IS SLOPED UP 1 1/4" OVER THE LENGTH OF THE OH DIAPHRAGM ONLY WITHIN THE LIMITS OF THE SIDEWALK TO MATCH THE SIDEWALK ELEVATION OF THE APPROACH STRUCTURE.

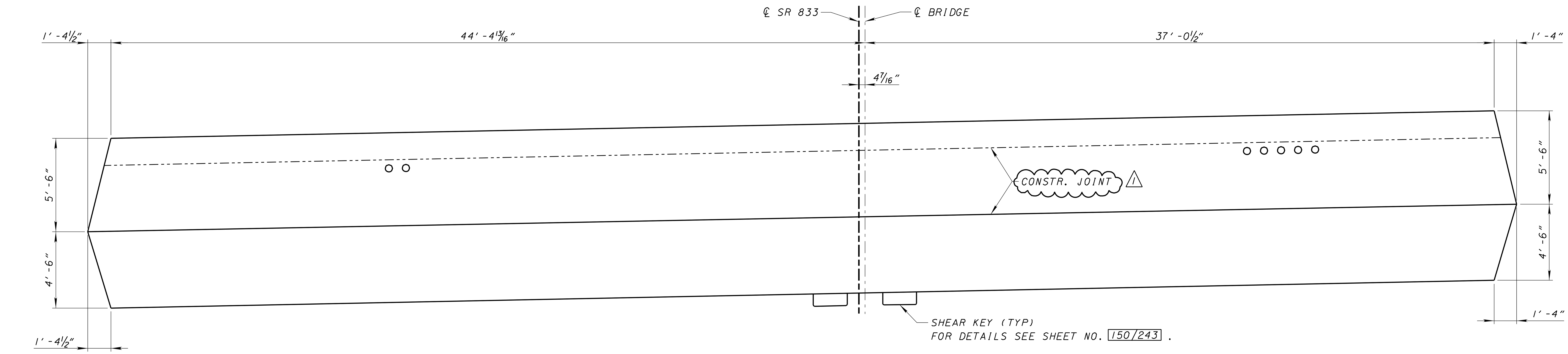
NUMBER	REVISION	DATE	BY
1	PIER 7 MODIFICATIONS	11-04	DLJ
2	AS-BUILT	6-09	DLJ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

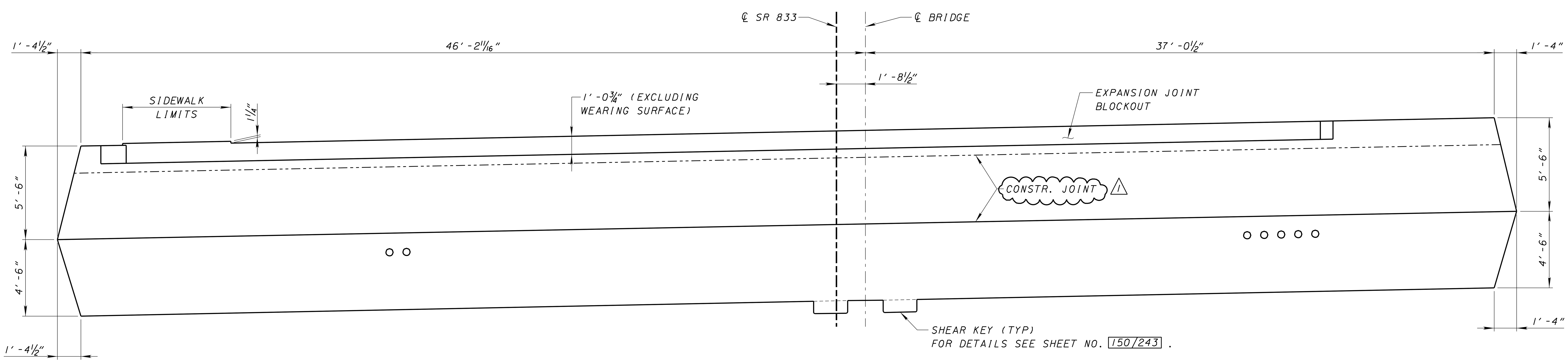
REVIEWED SLS | DATE 8-02
STRUCTURE FILE NUMBER 5300916 OH 10385 WV
DRAWN CER | REVISED
DESIGNED PS | CHECKED RJB

OH DIAPHRAGM SEGMENT GEOMETRY (1)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70



SECTION D-D
(START OF SEGMENT)
(REFLECTIVE VIEW)



SECTION E-E
(END FACE OF SEGMENT)

NUMBER	REVISION	DATE	BY
1	AS-BUILT	6-09	DLJ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED PS | CHECKED RJB | DRAWN CER | REVISED | REVIEWED SLS | DATE 8-02
STRUCTURE FILE NUMBER 5300916 OH 10385 WV

OH DIAPHRAGM SEGMENT GEOMETRY (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

145/243

475/582

8/3/2009 11:08:37 AM
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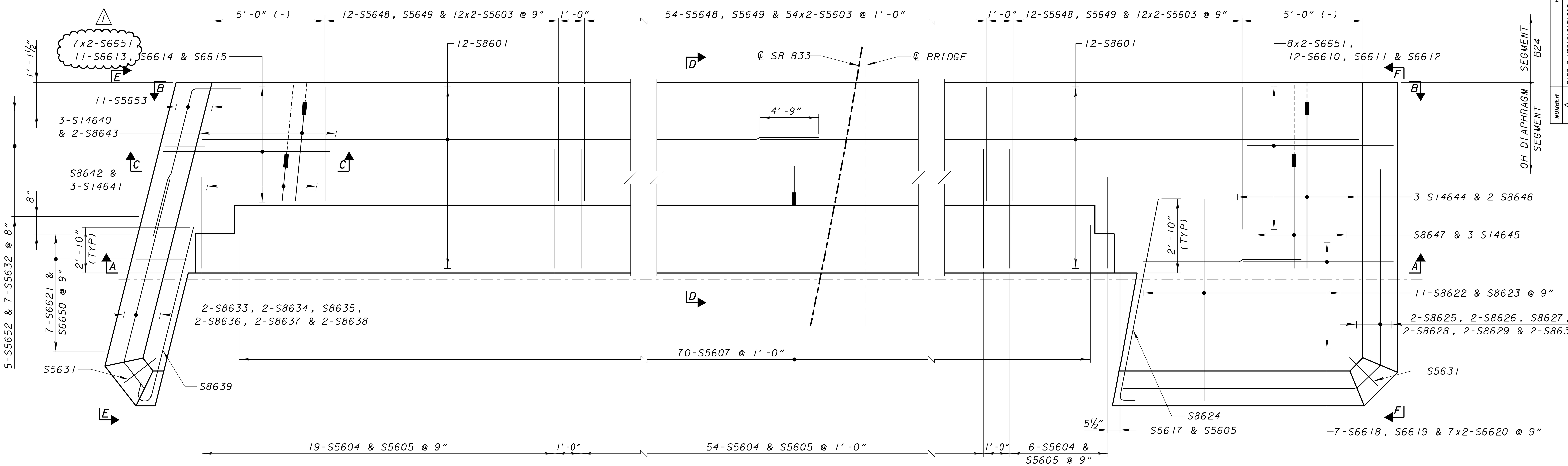

PLAN VIEW

NUMBER	REVISION	DATE	BY
1	PIER 7 MODIFICATIONS	11-04	DLJ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
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CHECKED	REVISED	STRUCTURE FILE NUMBER	
RJB		5300916 OH 10385 WV	

OH DIAPHRAGM SEGMENT REINFORCEMENT (1)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

146/243

476/582

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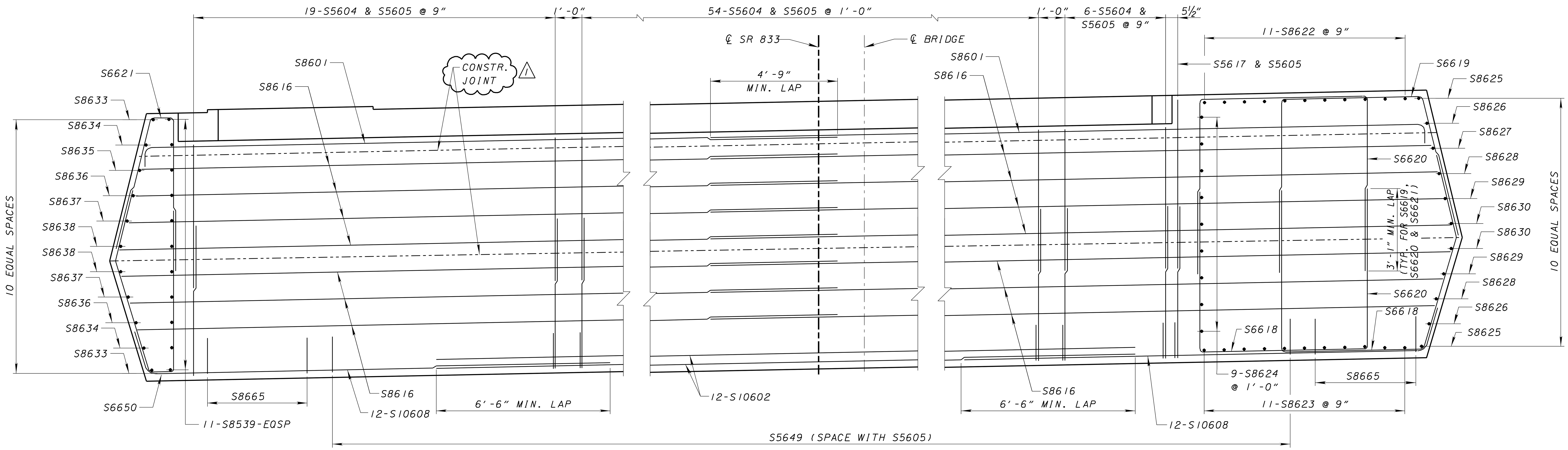
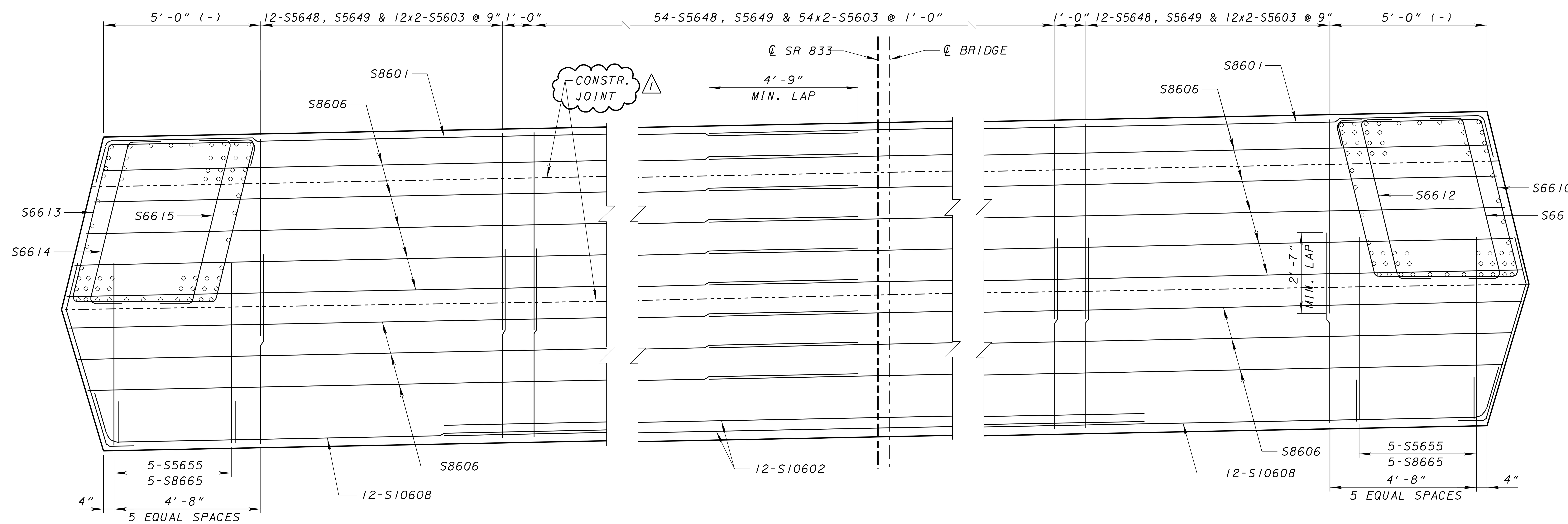


SECTION A-A



SECTION B-B

(REFLECTIVE VIEW)

NUMBER | REVISION | DATE: 6-09 | BY: DLJ
AS-BUILT

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3410
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED PS | CHECKED RJB | DRAWN CER | REVISED | REVIEWED SLS | DATE 8-02
STRUCTURE FILE NUMBER 5300916 OH 10385 WV

OH DIAPHRAGM SEGMENT REINFORCEMENT (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

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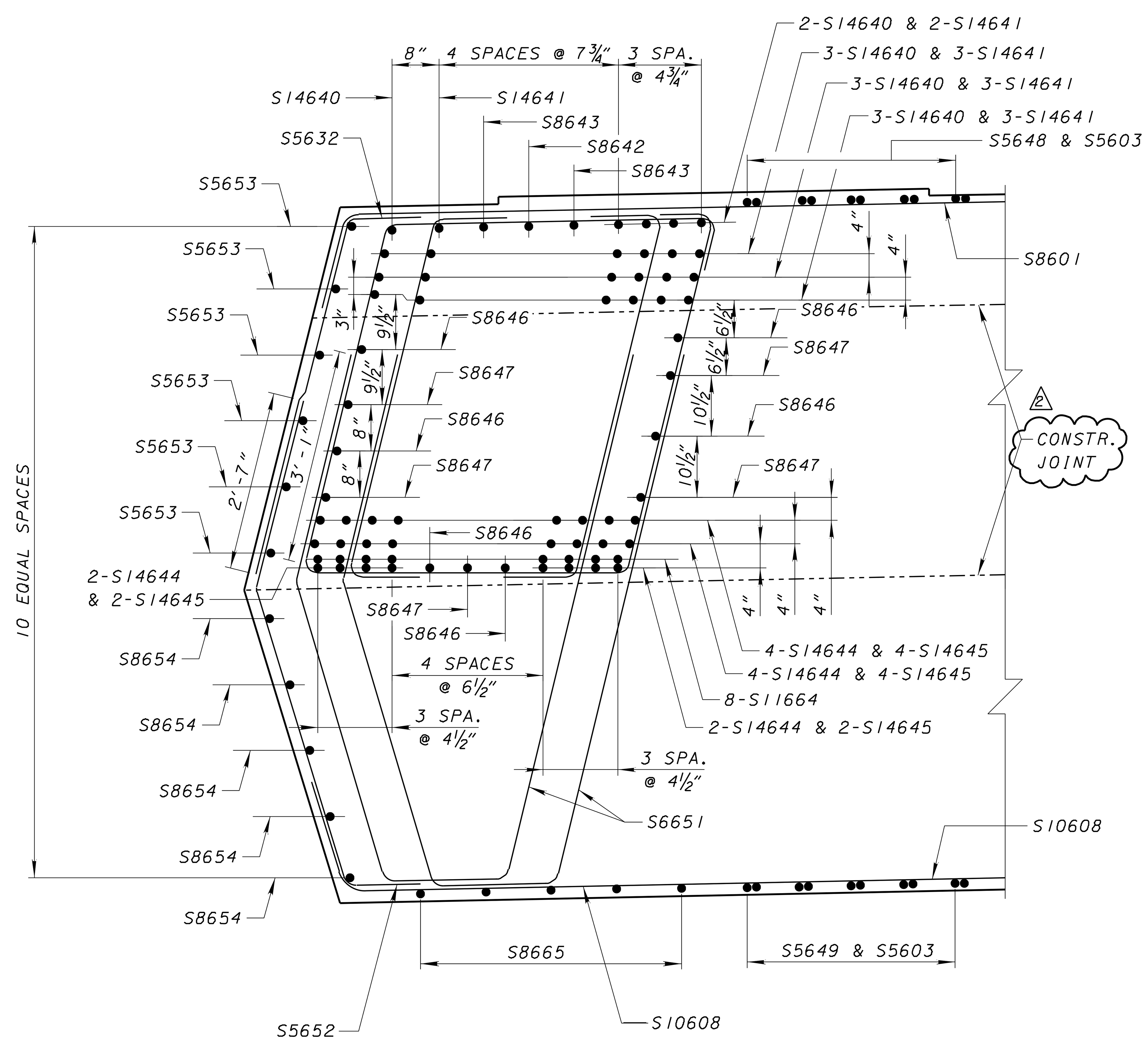
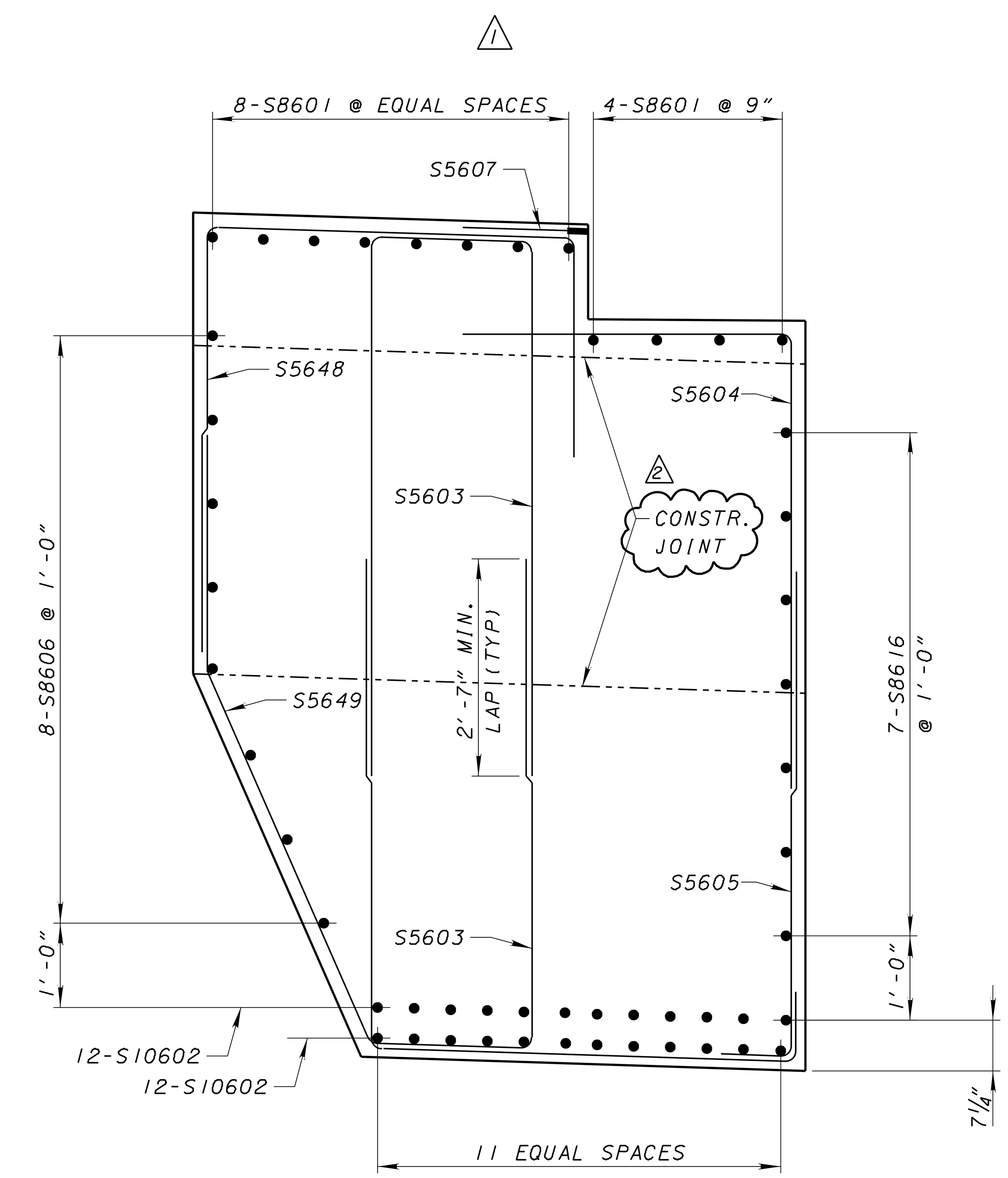


SECTION C-C



SECTION D-D

NUMBER	REVISION	DATE	BY
1	PIER 7 MODIFICATIONS	11-04	DLJ
2	AS-BUILT	6-09	DLJ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

REVIEWED SLS
DATE 8-02
STRUCTURE FILE NUMBER 5300916 OH 10385 WV
DRAWN CER
REVISED
DESIGNED PS
CHECKED RJB

OH DIAPHRAGM SEGMENT REINFORCEMENT (3)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

148/243

478/582

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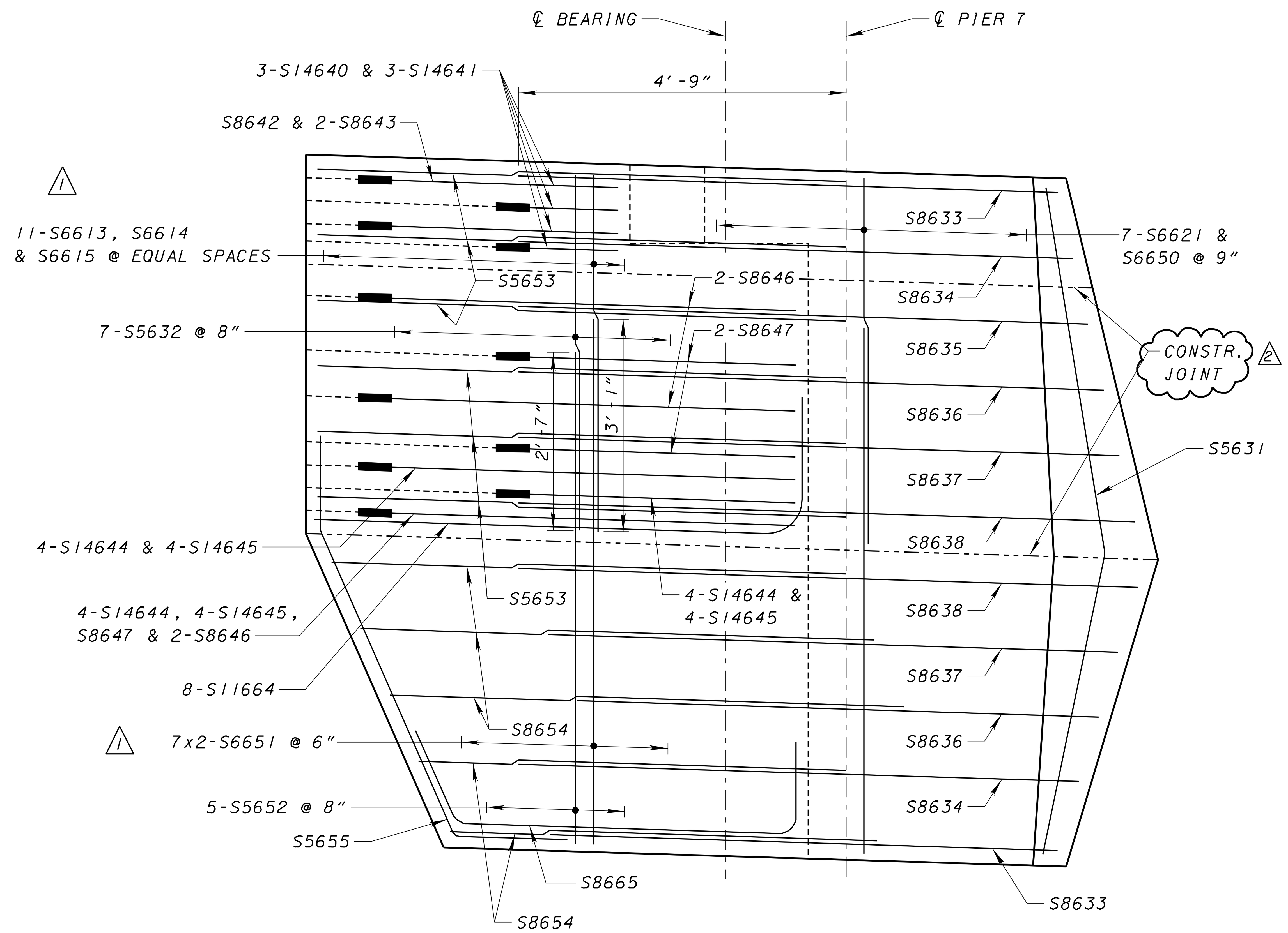
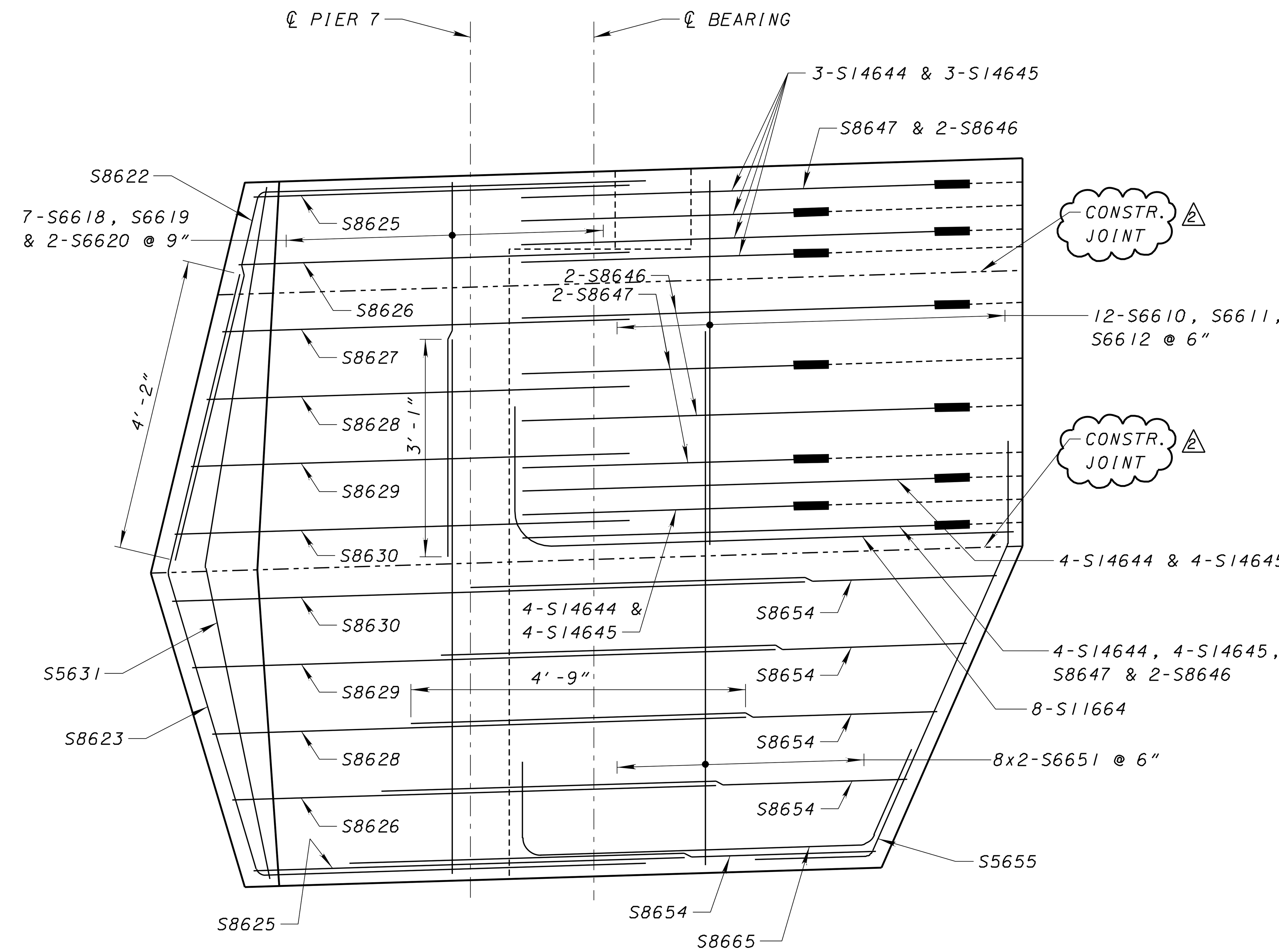


SECTION E-E



SECTION F-F

NUMBER	REVISION	DATE:	BY:
1	PIER 7 MODIFICATIONS	11-04	DLJ
2	AS-BUILT	6-09	DLJ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

REVIEWED SLS | DATE 8-02 | STRUCTURE FILE NUMBER 5300916 OH 10385 WV
DESIGNED PS | CHECKED RJB | DRAWN CER | REVISED

OH DIAPHRAGM SEGMENT REINFORCEMENT (4)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

149/243

479/582

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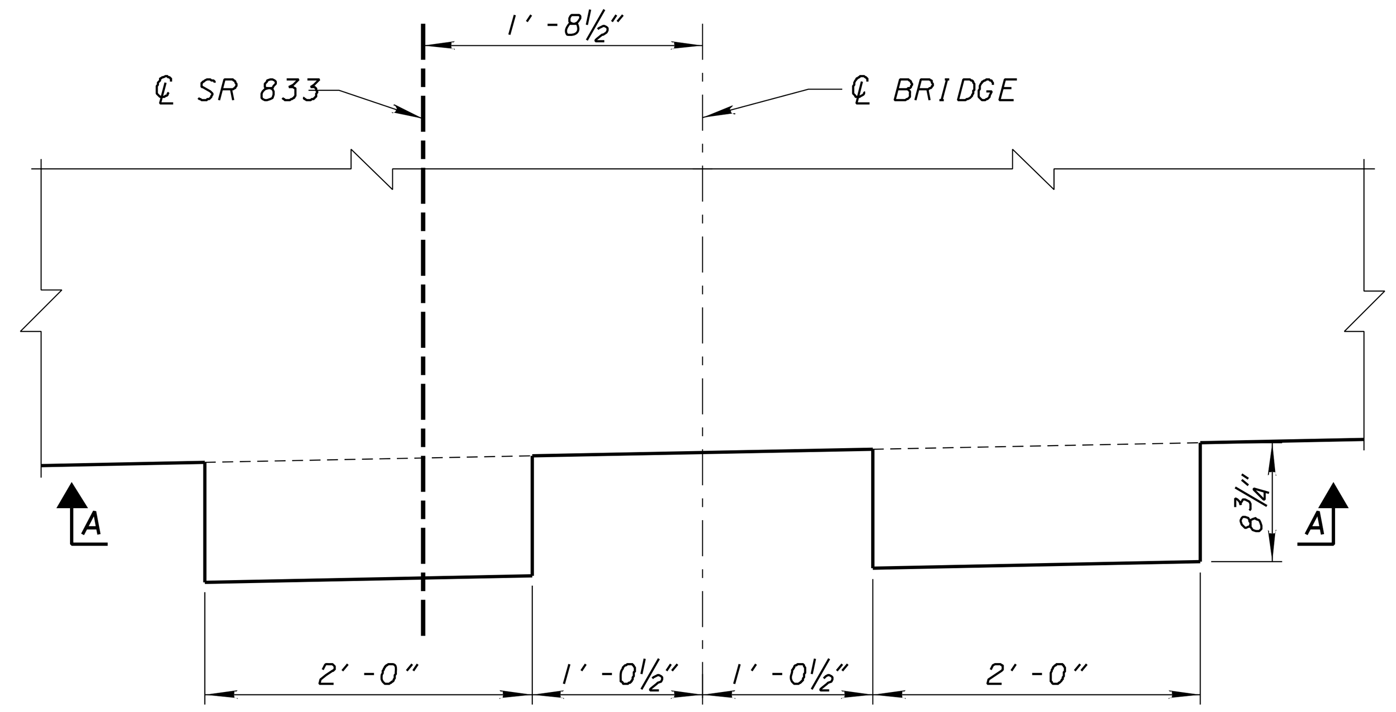
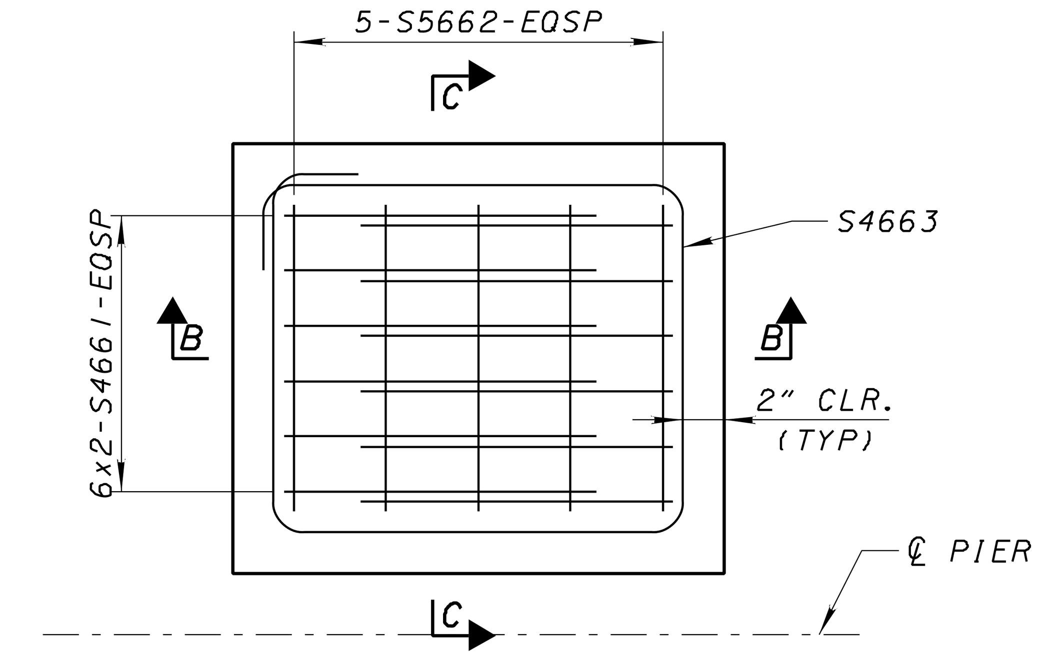
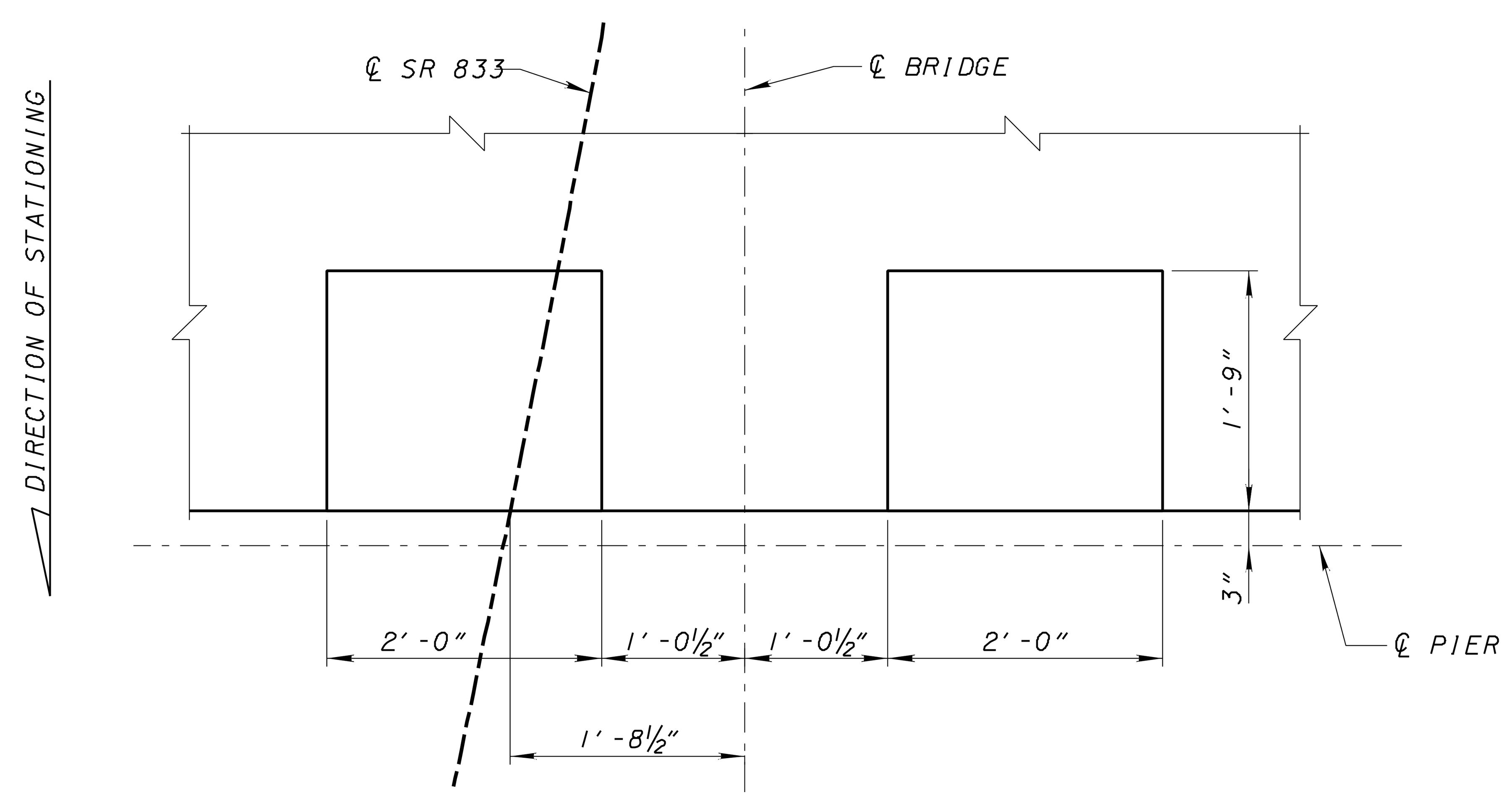


ELEVATION

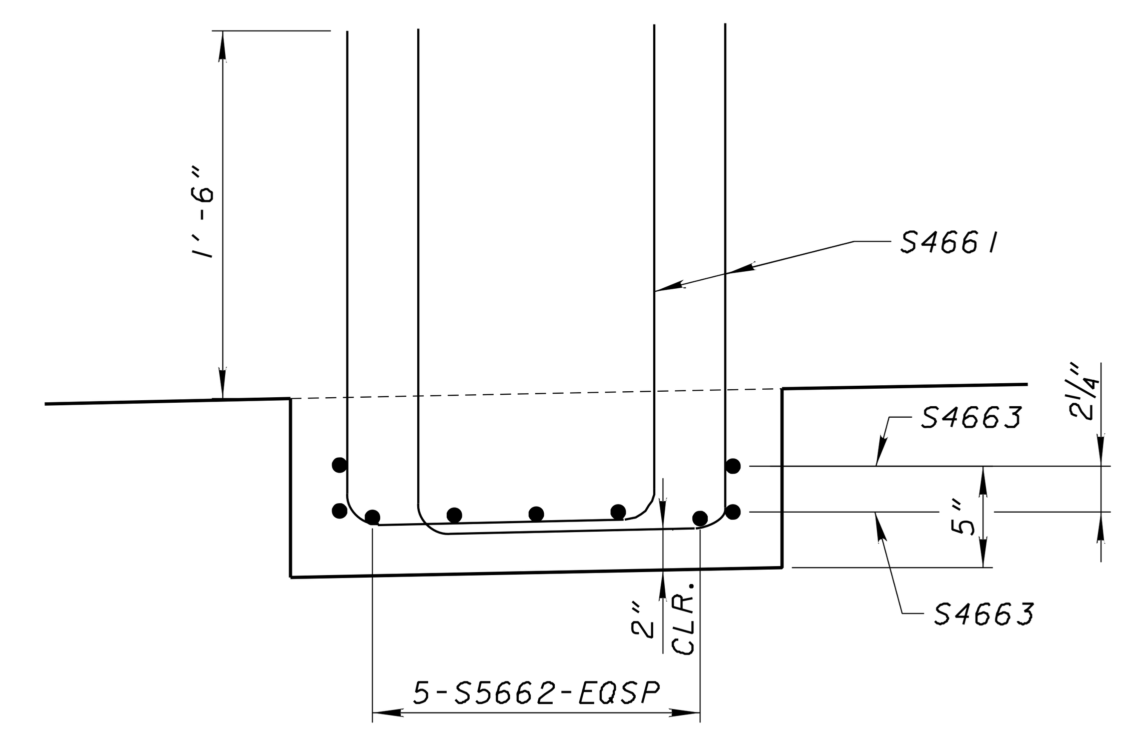


SHEAR KEY REINFORCING PLAN

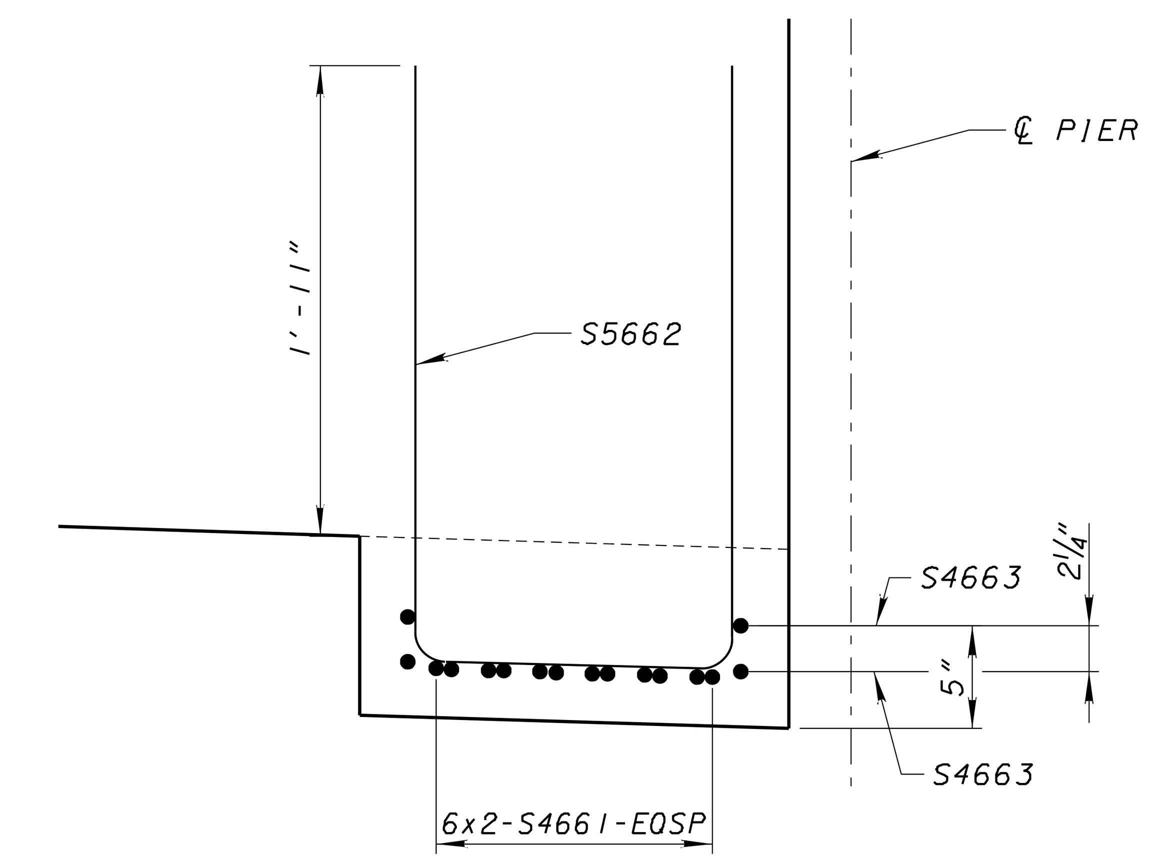


SECTION A-A

(REFLECTIVE VIEW)



SECTION B-B



SECTION C-C

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
PS	CER	SLS	8-02
CHECKED DLJ	REVISED	STRUCTURE FILE NUMBER 5300916 OH 10385 WV	

OH DIAPHRAGM SEGMENT SHEAR KEY DETAILS

BRIDGE NO. MEG-33-1570

POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

150/243

480/582

5/16/2006 7:27:49 AM

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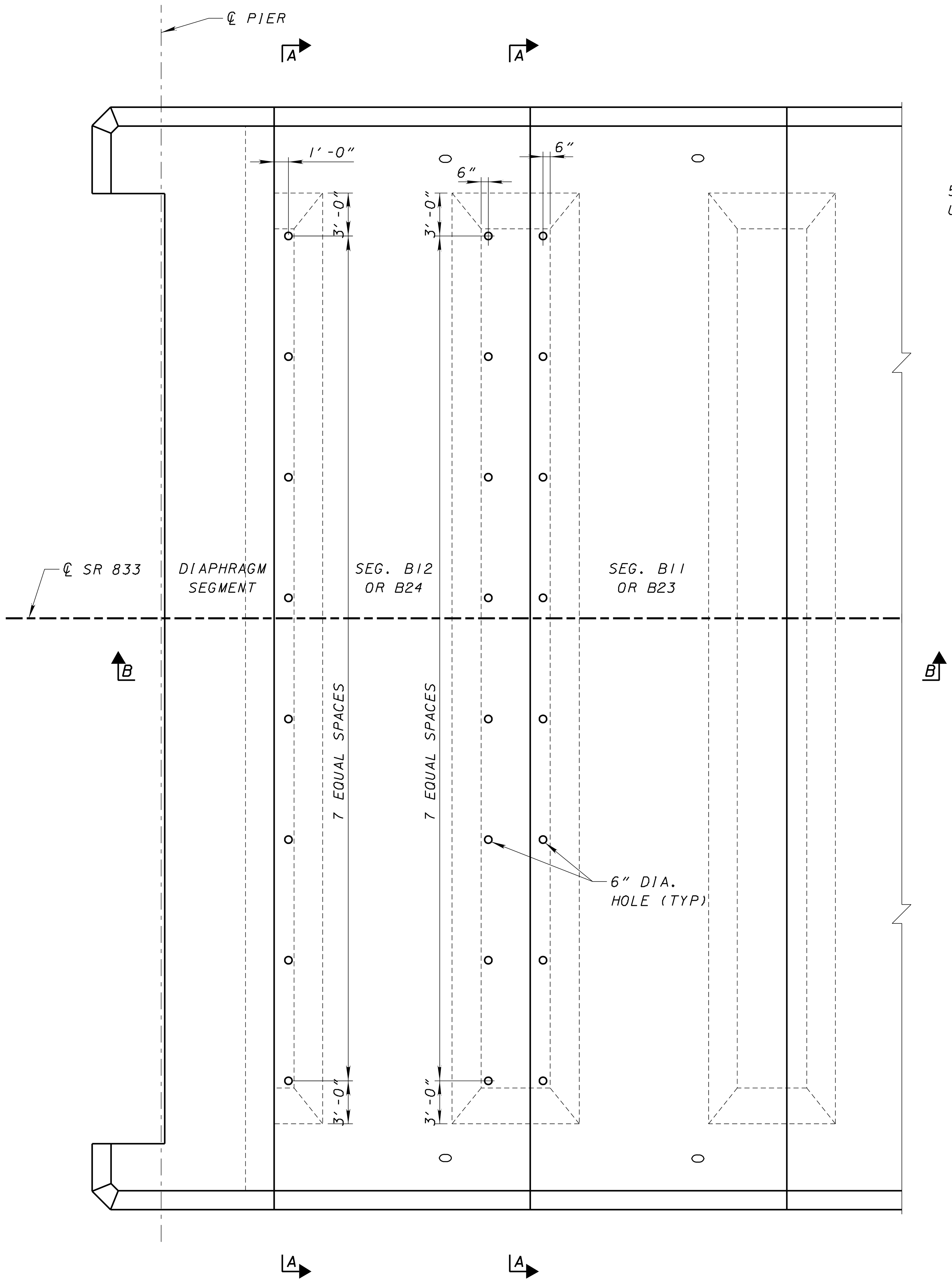
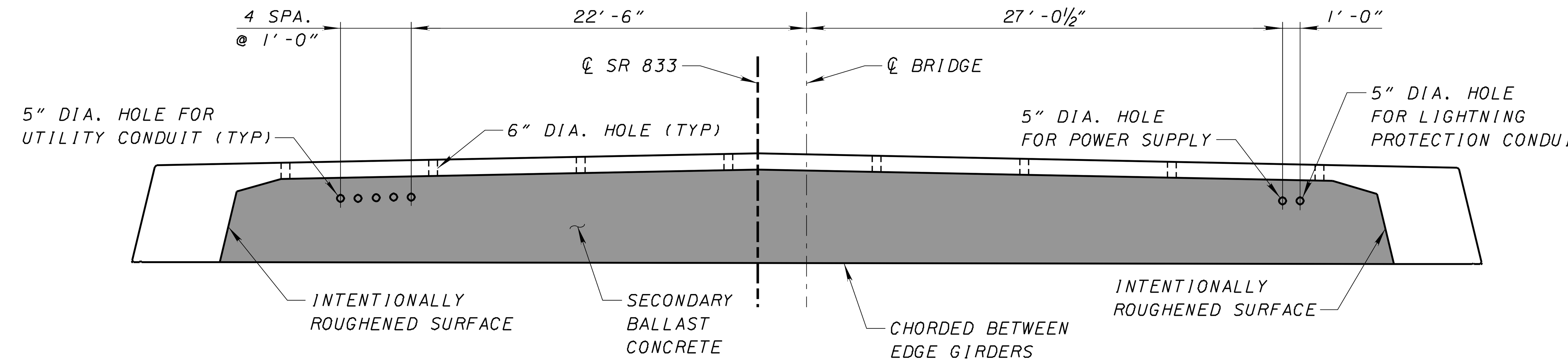
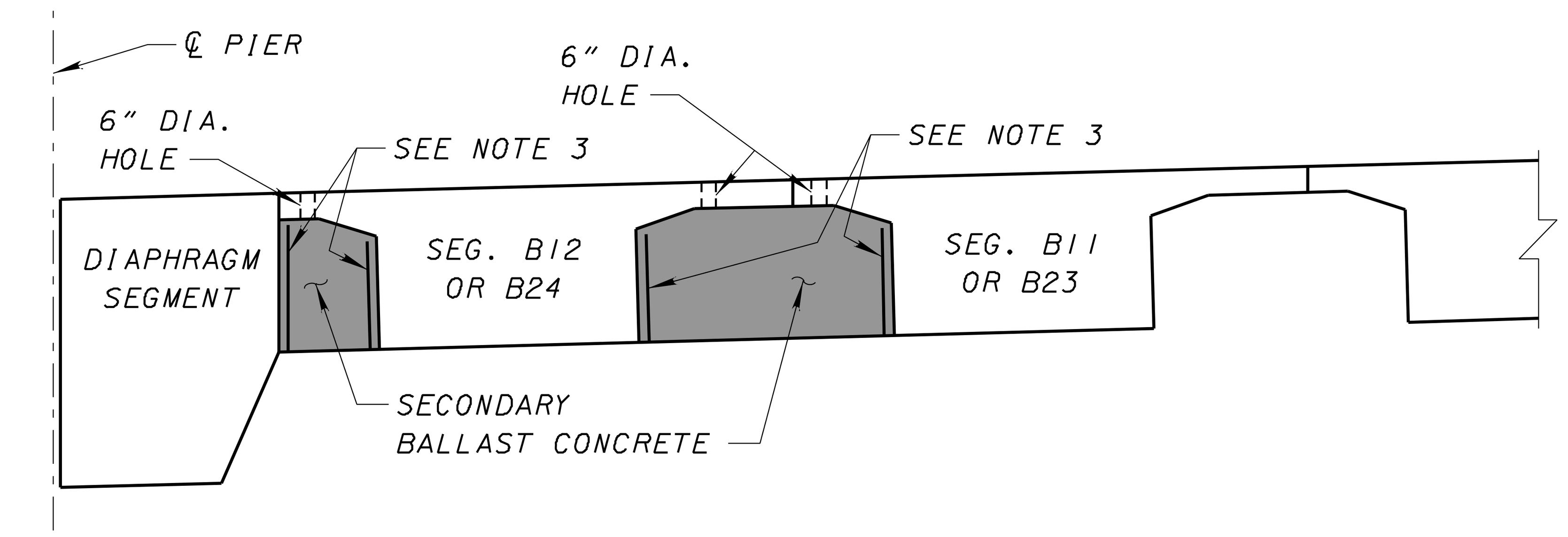


PLAN



SECTION A-A

NOTE: SECONDARY BALLAST POURS WERE CAST WITH MAIN GIRDERS AND SLAB.



SECTION B-B

NOTES

1. WV ENDSPAN SHOWN, OH ENDSPAN IS SIMILAR.
2. 6" DIA. HOLES IN TOP SLAB ARE FOR CONCRETE PLACEMENT. HOLES SHALL BE FILLED DURING PLACEMENT OF BALLAST CONCRETE.
3. PROVIDE A SHEET OF 60 LBS SMOOTH ROOFING PAPER ON SIDES OF FLOOR BEAM AND DIAPHRAGM SEGMENT VERTICAL FACES.
4. CONCRETE USED FOR SECONDARY BALLAST POURS SHALL BE THE SAME MIX AS USED FOR THE SUPERSTRUCTURE.
5. SEE CABLE STAYED ERECTION SEQUENCE DRAWINGS FOR TIMING OF SECONDARY BALLAST POUR PLACEMENT.
6. FALSEWORK AND FORMWORK FOR SECONDARY BALLAST CONCRETE SHALL NOT BE SUPPORTED OR ATTACHED TO FLOOR BEAMS AND DIAPHRAGMS.
7. VOID FORMS FOR 5" DIAMETER HOLES SHALL BE SUFFICIENTLY SECURED TO PREVENT MOVEMENT DURING CONCRETE PLACEMENT.

NUMBER	REVISION	DATE:	BY:
1	AS-BUILT	6-09	DLJ

DESIGN AGENCY
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A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
DLJ	CER	SLS	8-02
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MWL		5300916 OH 10385 WV	

SECONDARY BALLAST POUR DETAILS (1)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

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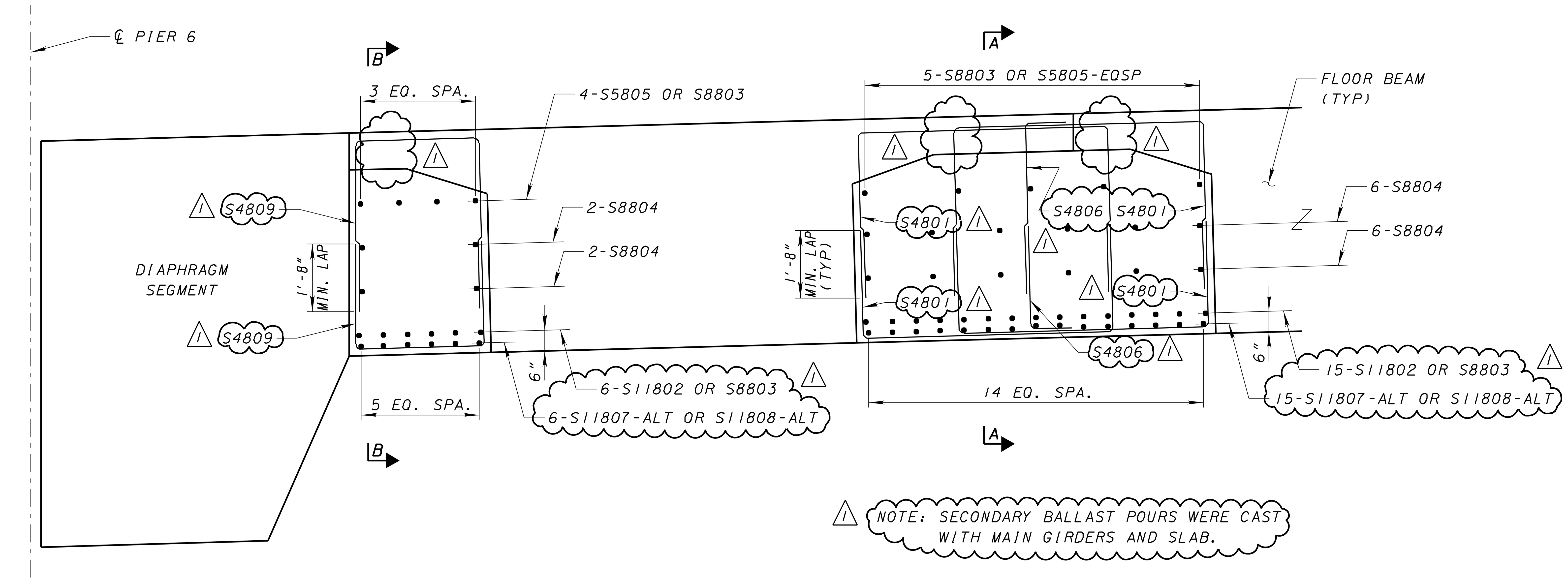
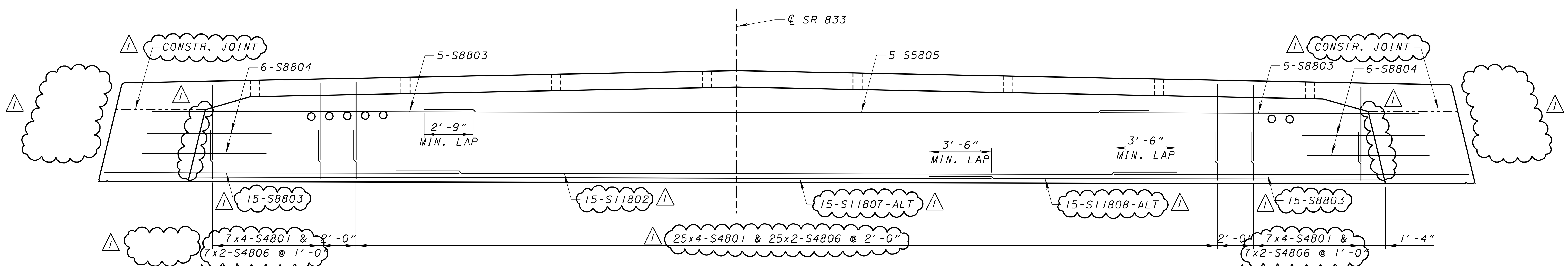
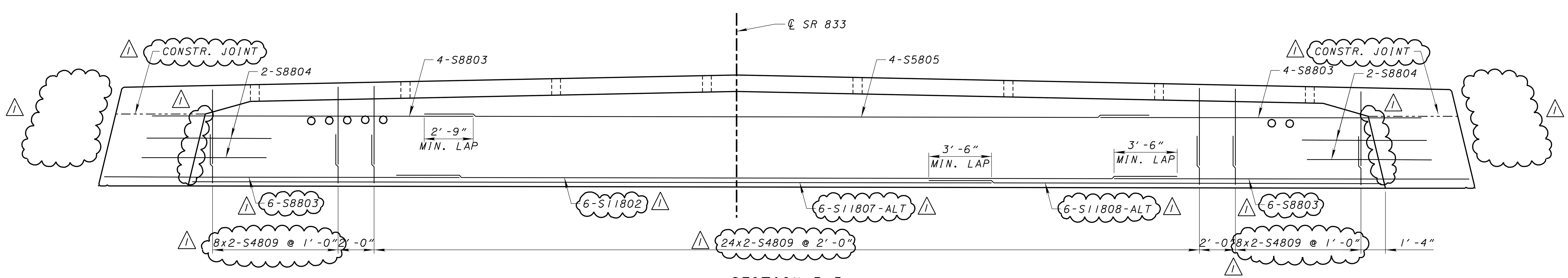


LONGITUDINAL SECTION



SECTION A-A



SECTION B-B

NUMBER	REVISION	DATE	BY
1	AS-BUILT	6-09	DLJ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED BP	DRAWN CER	REVIEWED SLS	DATE 8-02
CHECKED PS	REVISED	STRUCTURE FILE NUMBER 5300916 OH 10385 WV	

SECONDARY BALLAST POUR DETAILS (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

152/243

482/582

8/3/2009 11:08:37 AM
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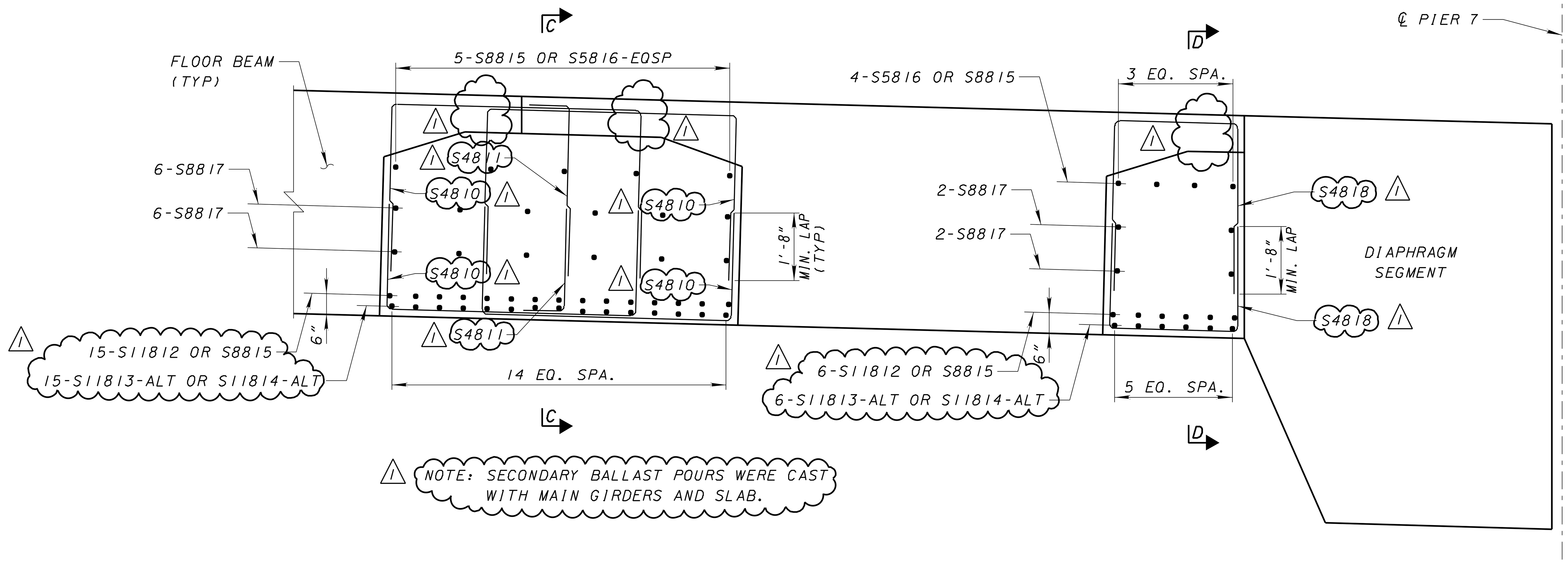
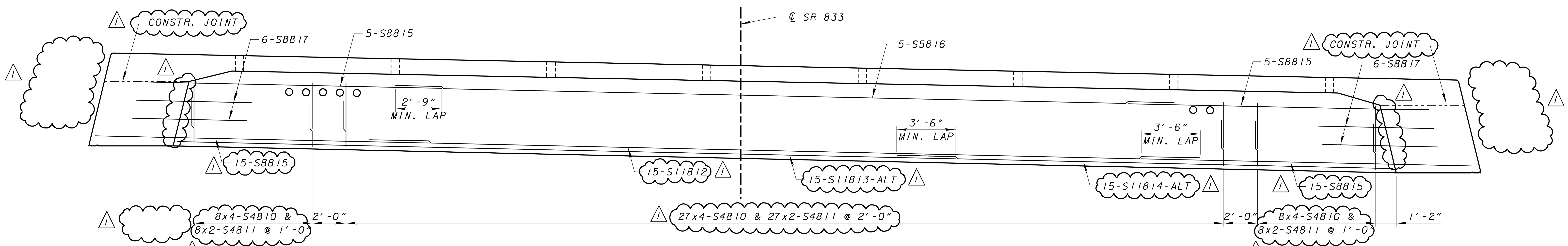
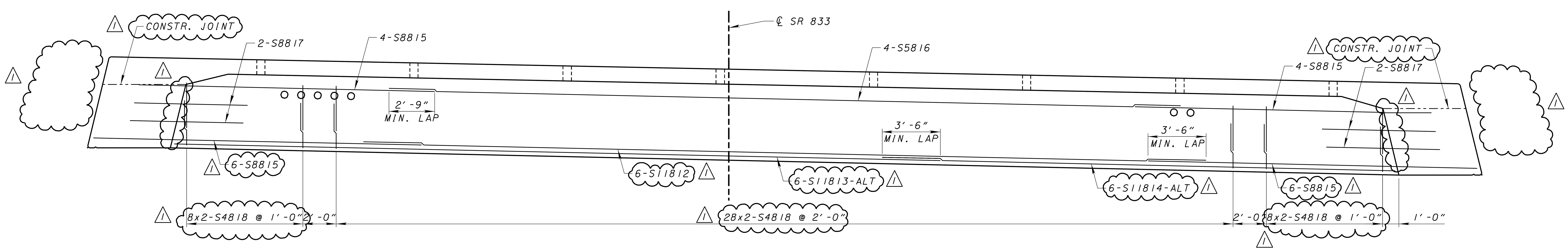


LONGITUDINAL SECTION



SECTION C-C



SECTION D-D

NUMBER	REVISION	DATE	BY
1	AS-BUILT	6-09	DLJ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED BP | CHECKED PS | DRAWN CER | REVISED | REVIEWED SLS | DATE 8-02

STRUCTURE FILE NUMBER 5300916 OH 10385 WV

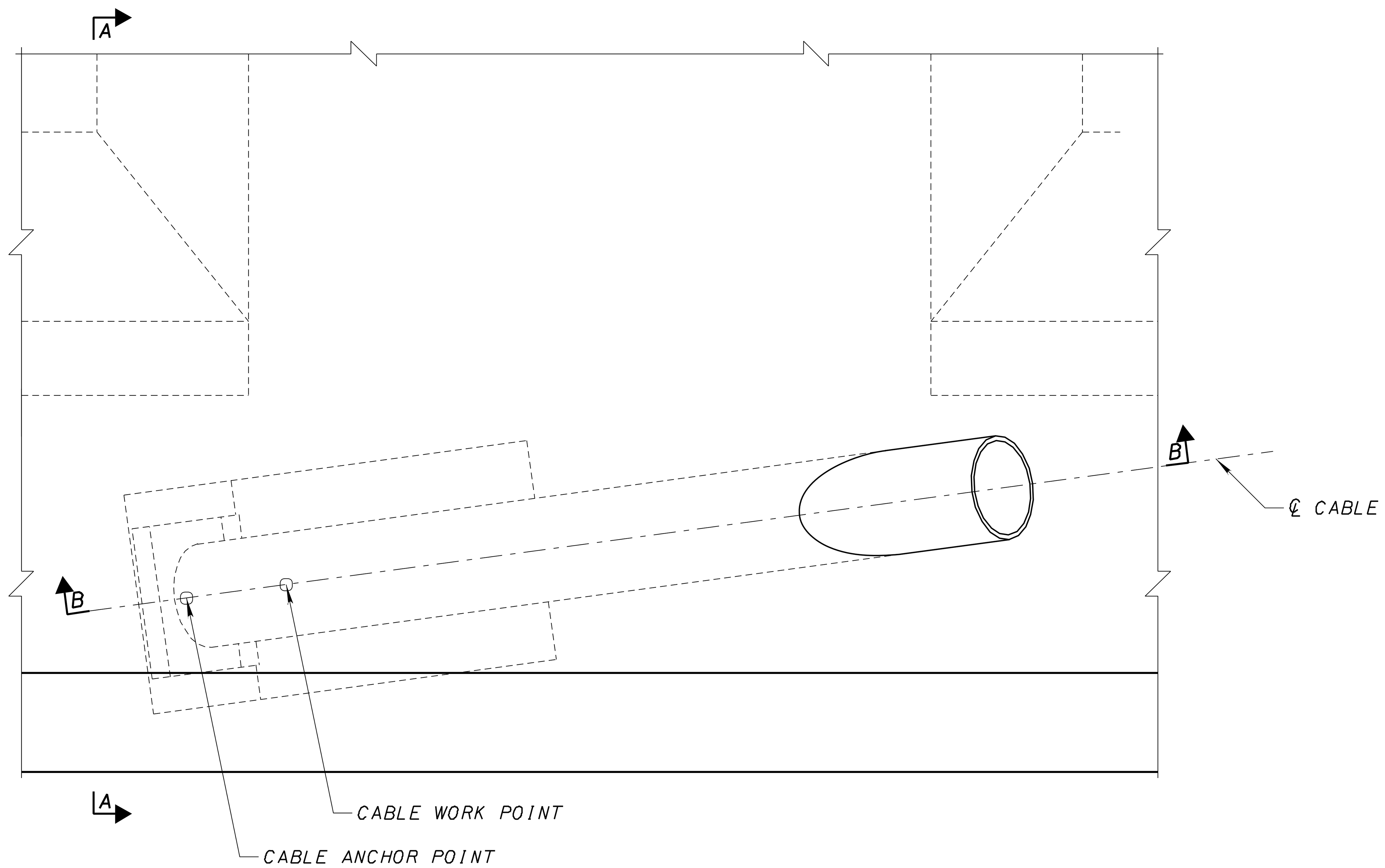
SECONDARY BALLAST POUR DETAILS (3)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

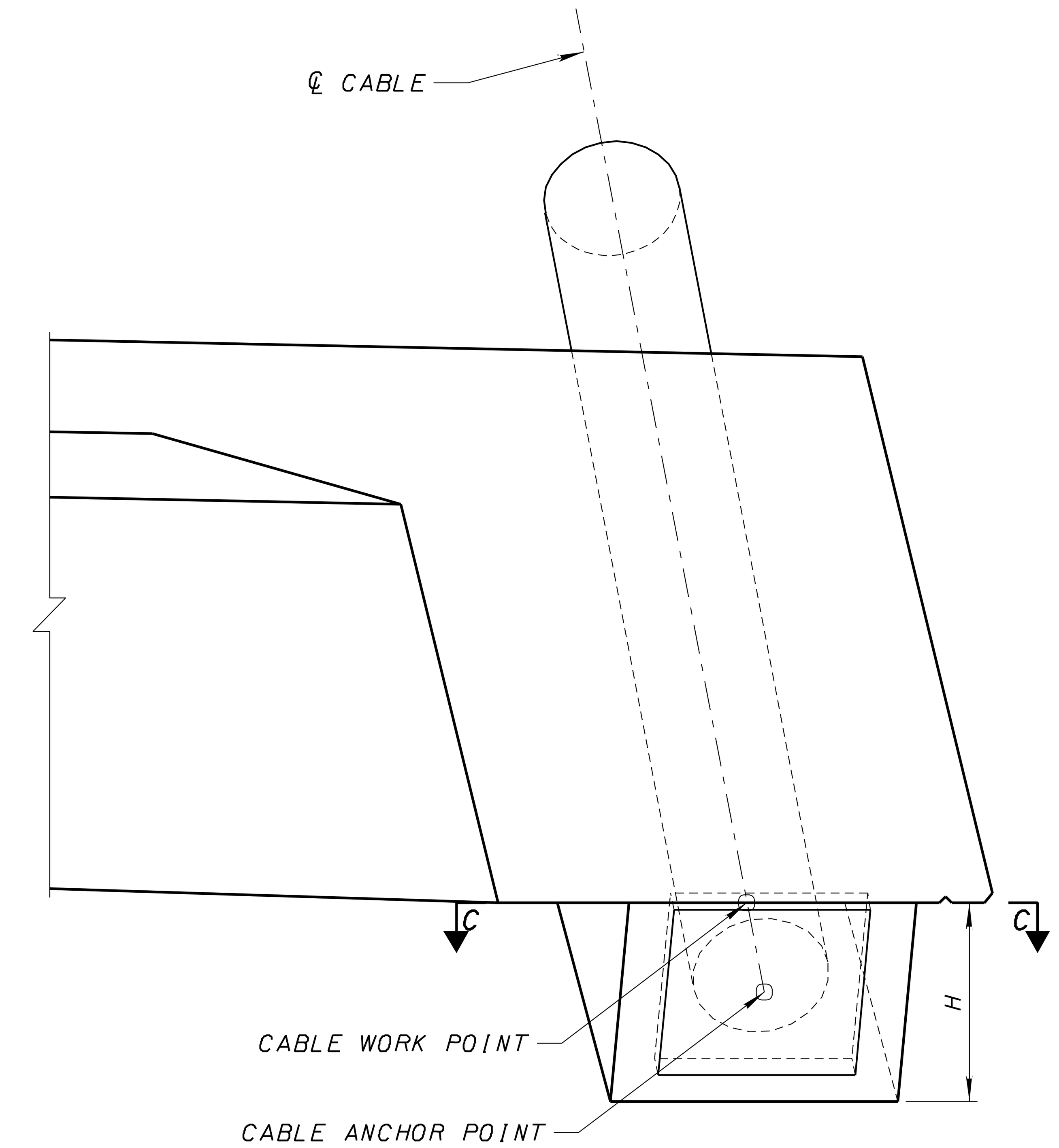
153/243

483/582

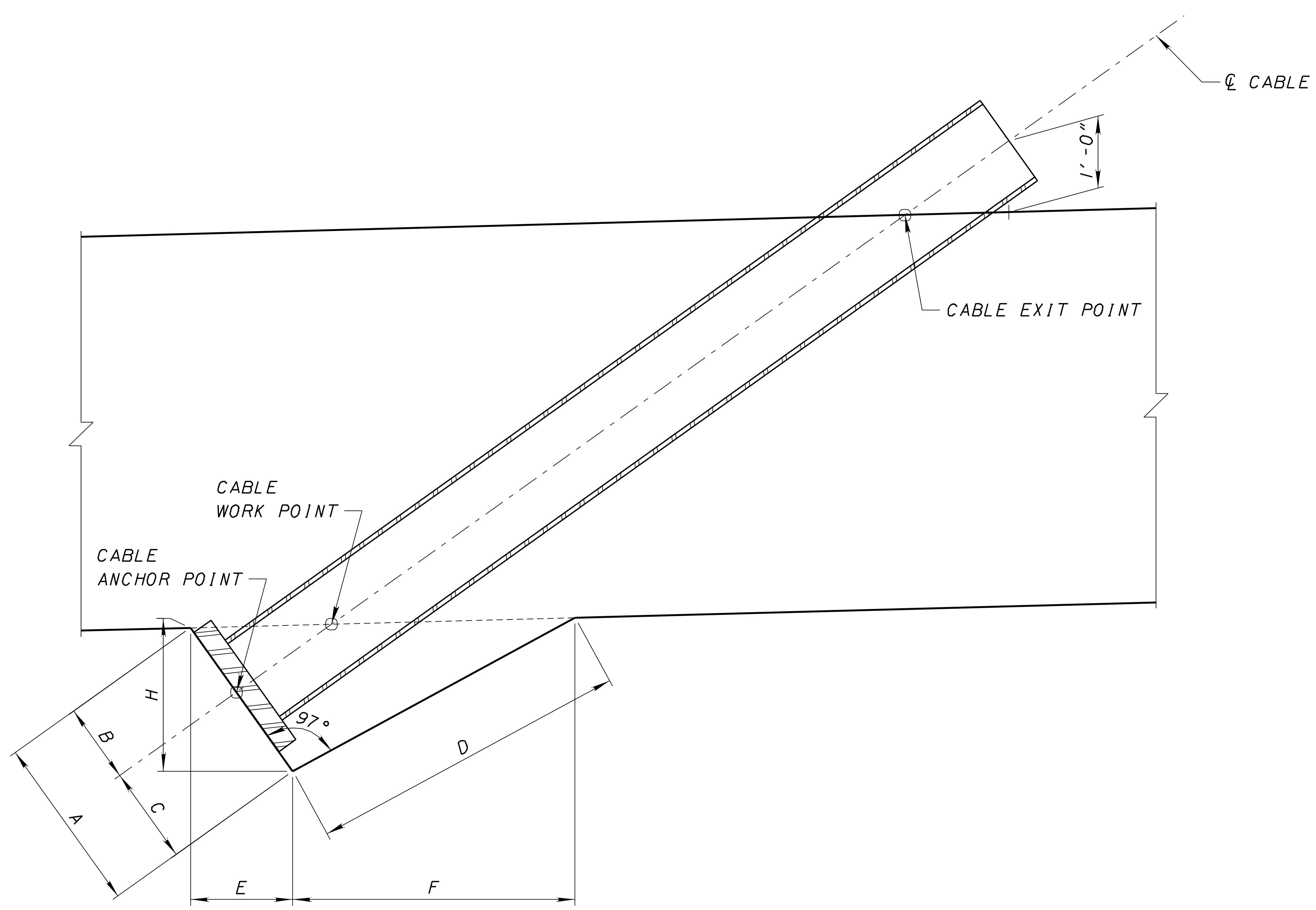
8/3/2009 11:08:37 AM
e:\bridges\pomeroymason\scbalstc.dgn



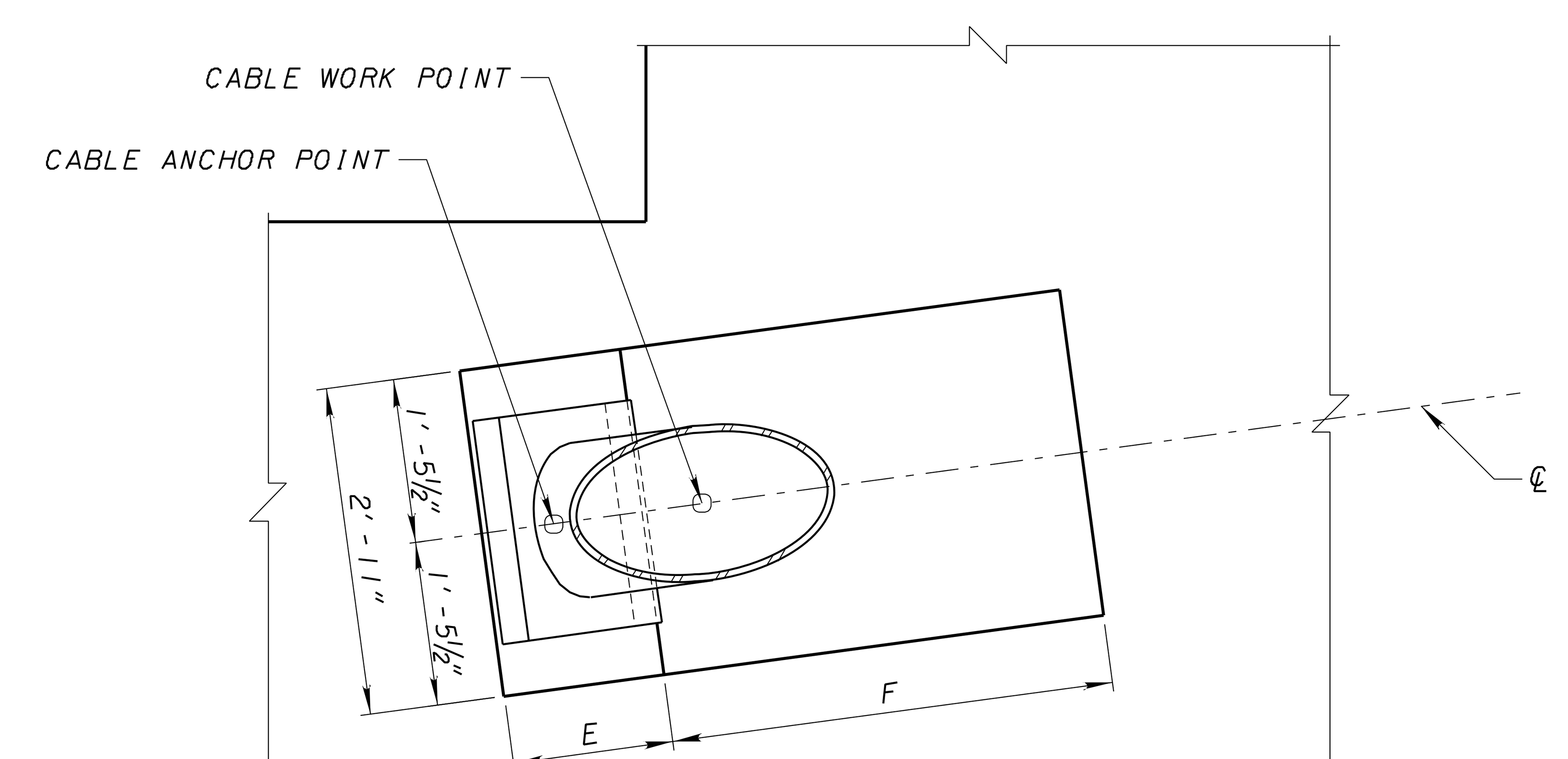
PLAN



SECTION A-A



SECTION B-B



SECTION C-C

NOTES

1. FOR ANCHOR PLATE AND GUIDE PIPE SIZES, SEE SHEET NO. 164/243 .
2. FOR CABLE WORK POINT, ANCHOR POINT AND EXIT POINT COORDINATES, SEE SHEET NOS. 158-159/243 .
3. FOR BLISTER DIMENSIONS, SEE SHEET NO. 155/243 .

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
DLJ	CER	SLS	8-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
BP		5300916 OH 10385 WV	

EDGE GIRDER CABLE BLISTER GEOMETRY (1)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

CABLE NUMBER	DIM "A"	DIM "B"	DIM "C"	DIM "D"	DIM "E"	DIM "F"	DIM "G"	DIM "H"
B12R	2'-5½"	1'-1¼"	1'-4¼"	4'-7"	1'-5"	4'-0½"	2'-11"	2'-0⅛"
B11R	2'-3½"	1'-0¼"	1'-3¼"	4'-1¼"	1'-4⅛"	3'-7⅛"	2'-11"	1'-10¼"
B10R	2'-0"	10½"	1'-1½"	3'-5"	1'-2⅜"	2'-11½"	2'-11"	1'-7⅛"
B9R	2'-0"	10½"	1'-1½"	3'-3"	1'-2⅞"	2'-9⅜"	2'-11"	1'-6⅞"
B8R	2'-0"	10½"	1'-1½"	3'-0¾"	1'-3¼"	2'-7"	2'-11"	1'-6½"
B7R	2'-0"	10½"	1'-1½"	2'-10⅛"	1'-3¾"	2'-4¼"	2'-11"	1'-6⅛"
B6R	2'-0"	10½"	1'-1½"	2'-7⅞"	1'-4⅜"	2'-1⅜"	2'-11"	1'-5½"
B5R	2'-0"	10½"	1'-1½"	2'-4⅜"	1'-5⅛"	1'-10⅛"	2'-11"	1'-4¾"
B4R	2'-0"	10½"	1'-1½"	2'-0⅞"	1'-6⅛"	1'-6½"	2'-11"	1'-3¾"
B3R	1'-9"	9"	1'-0"	1'-6½"	1'-4¾"	1'-0⅞"	2'-11"	1'-0⅝"
B2R	1'-9"	9"	1'-0"	1'-2¾"	1'-5⅞"	9⅛"	2'-11"	11"
B1R	1'-9"	9"	1'-0"	10½"	1'-7¼"	5⅜"	2'-11"	8½"
M1R	1'-8"	8½"	11½"	10⅛"	1'-6¼"	5¼"	2'-11"	8¼"
M2R	1'-8"	8½"	11½"	1'-4¾"	1'-4⅛"	11⅜"	2'-11"	11¾"
M3R	1'-8"	8½"	11½"	1'-10¾"	1'-2⅜"	1'-5¾"	2'-11"	1'-1⅞"
M4R	1'-9"	9"	1'-0"	2'-5¾"	1'-1⅝"	2'-0⅞"	2'-11"	1'-4"
M5R	2'-0"	10½"	1'-1½"	3'-4¼"	1'-2¼"	2'-11⅛"	2'-11"	1'-7¼"
M6R	2'-0"	10½"	1'-1½"	3'-9⅞"	1'-1¼"	3'-5"	2'-11"	1'-8"
M7R	2'-0"	10½"	1'-1½"	4'-3"	1'-0½"	3'-10½"	2'-11"	1'-8½"
M8R	2'-0"	10½"	1'-1½"	4'-7½"	11⅞"	4'-3¼"	2'-11"	1'-8⅞"
M9R	2'-0"	10½"	1'-1½"	4'-11⅝"	11⅜"	4'-7⅝"	2'-11"	1'-9⅛"
M10R	2'-3½"	1'-0¼"	1'-3¼"	6'-0⅞"	1'-0½"	5'-8½"	2'-11"	2'-0½"
M11R	2'-3½"	1'-0¼"	1'-3¼"	6'-4¾"	1'-0"	6'-0⅝"	2'-11"	2'-0¾"
M12R	2'-4½"	1'-0¾"	1'-3¾"	6'-11⅝"	1'-0⅛"	6'-7½"	2'-11"	2'-1⅞"
B12L	2'-5½"	1'-1¼"	1'-4¼"	4'-7"	1'-5"	4'-0⅝"	2'-11"	2'-0⅛"
B11L	2'-3½"	1'-0¼"	1'-3¼"	4'-1¼"	1'-4⅛"	3'-7⅛"	2'-11"	1'-10¼"
B10L	2'-0"	10½"	1'-1½"	3'-5⅛"	1'-2⅜"	2'-11⅝"	2'-11"	1'-7⅛"
B9L	2'-0"	10½"	1'-1½"	3'-3"	1'-2¾"	2'-9⅜"	2'-11"	1'-6⅞"
B8L	2'-0"	10½"	1'-1½"	3'-0¾"	1'-3¼"	2'-7"	2'-11"	1'-6½"
B7L	2'-0"	10½"	1'-1½"	2'-10¼"	1'-3¾"	2'-4⅜"	2'-11"	1'-6⅛"
B6L	2'-0"	10½"	1'-1½"	2'-7⅜"	1'-4⅜"	2'-1⅜"	2'-11"	1'-5½"
B5L	2'-0"	10½"	1'-1½"	2'-4⅜"	1'-5⅛"	1'-10⅛"	2'-11"	1'-4¾"
B4L	2'-0"	10½"	1'-1½"	2'-1"	1'-6"	1'-6⅝"	2'-11"	1'-3¾"
B3L	1'-9"	9"	1'-0"	1'-6½"	1'-4¾"	1'-0⅞"	2'-11"	1'-0⅝"
B2L	1'-9"	9"	1'-0"	1'-2¾"	1'-5⅞"	9⅛"	2'-11"	11"
B1L	1'-9"	9"	1'-0"	10½"	1'-7¼"	5⅜"	2'-11"	8½"
M1L	1'-8"	8½"	11½"	10⅛"	1'-6¼"	5¼"	2'-11"	8¼"
M2L	1'-8"	8½"	11½"	1'-4¾"	1'-4⅛"	11½"	2'-11"	11¾"
M3L	1'-8"	8½"	11½"	1'-10⅞"	1'-2⅜"	1'-5¾"	2'-11"	1'-1⅞"
M4L	1'-9"	9"	1'-0"	2'-5⅞"	1'-1⅝"	2'-0⅞"	2'-11"	1'-4"
M5L	2'-0"	10½"	1'-1½"	3'-4⅜"	1'-2¼"	2'-11⅛"	2'-11"	1'-7¼"
M6L	2'-0"	10½"	1'-1½"	3'-9⅞"	1'-1¼"	3'-5⅛"	2'-11"	1'-8"
M7L	2'-0"	10½"	1'-1½"	4'-3⅛"	1'-0½"	3'-10½"	2'-11"	1'-8½"
M8L	2'-0"	10½"	1'-1½"	4'-7½"	11⅞"	4'-3¼"	2'-11"	1'-8⅞"
M9L	2'-0"	10½"	1'-1½"	4'-11¾"	11⅜"	4'-7⅝"	2'-11"	1'-9⅛"
M10L	2'-3½"	1'-0¼"	1'-3¼"	6'-1"	1'-0½"	5'-8⅝"	2'-11"	2'-0½"
M11L	2'-3½"	1'-0¼"	1'-3¼"	6'-4⅞"	1'-0"	6'-0¾"	2'-11"	2'-0¾"
M12L	2'-4½"	1'-0¾"	1'-3¾"	6'-11¾"	1'-0⅛"	6'-7⅝"	2'-11"	2'-1⅞"

CABLE NUMBER	DIM "A"	DIM "B"	DIM "C"	DIM "D"	DIM "E"	DIM "F"	DIM "G"	DIM "H"
B24R	2'-6"	1'-1½"	1'-4½"	4'-0"	1'-5¼"	3'-6¼"	2'-11"	2'-0½"
B23R	2'-4½"	1'-0¾"	1'-3¾"	3'-7⅞"	1'-4¾"	3'-2⅜"	2'-11"	1'-11"
B22R	2'-0"	10½"	1'-1½"	2'-11½"	1'-2½"	2'-6¾"	2'-11"	1'-7⅛"
B21R	2'-0"	10½"	1'-1½"	2'-10"	1'-2⅞"	2'-5"	2'-11"	1'-6⅞"
B20R	2'-0"	10½"	1'-1½"	2'-8¼"	1'-3¼"	2'-3⅛"	2'-11"	1'-6½"
B19R	2'-0"	10½"	1'-1½"	2'-6¼"	1'-3¾"	2'-1⅛"	2'-11"	1'-6⅛"
B18R	2'-0"	10½"	1'-1½"	2'-4"	1'-4⅜"	1'-10⅝"	2'-11"	1'-5½"
B17R	2'-0"	10½"	1'-1½"	2'-1½"	1'-5⅛"	1'-7⅞"	2'-11"	1'-4¾"
B16R	2'-0"	10½"	1'-1½"	1'-10½"	1'-6"	1'-4⅞"	2'-11"	1'-3⅞"
B15R	1'-9"	9"	1'-0"	1'-4¾"	1'-4¾"	11⅝"	2'-11"	1'-0⅝"
B14R	1'-9"	9"	1'-0"	1'-1⅜"	1'-5⅞"	8⅜"	2'-11"	11"
B13R	1'-9"	9"	1'-0"	9⅜"	1'-7⅛"	4⅞"	2'-11"	8⅝"
M13R	1'-8"	8½"	11½"	9⅛"	1'-6¼"	4¾"	2'-11"	8¼"
M14R	1'-8"	8½"	11½"	1'-3⅝"	1'-4⅛"	10⅝"	2'-11"	11¾"
M15R	1'-8"	8½"	11½"	1'-9½"	1'-2⅜"	1'-4¾"	2'-11"	1'-1⅞"
M16R	1'-9"	9"	1'-0"	2'-4¼"	1'-1⅝"	1'-11½"	2'-11"	1'-4"
M17R	2'-0"	10½"	1'-1½"	3'-2¼"	1'-2¼"	2'-9¼"	2'-11"	1'-7¼"
M18R	2'-0"	10½"	1'-1½"	3'-7¾"	1'-1¼"	3'-3⅛"	2'-11"	1'-8"
M19R	2'-0"	10½"	1'-1½"	4'-0⅞"	1'-0½"	3'-8⅝"	2'-11"	1'-8½"
M20R	2'-0"	10½"	1'-1½"	4'-5½"	11⅞"	4'-1⅜"	2'-11"	1'-8⅞"
M21R	2'-0"	10½"	1'-1½"	4'-9⅞"	11⅜"	4'-6"	2'-11"	1'-9⅛"
M22R	2'-3½"	1'-0¼"	1'-3¼"	5'-11⅜"	1'-0½"	5'-7⅛"	2'-11"	2'-0½"
M23R	2'-3½"	1'-0¼"	1'-3¼"	6'-3⅞"	1'-0"	5'-11¾"	2'-11"	2'-0¾"
M24R	2'-4½"	1'-0¾"	1'-3¾"	6'-11⅜"	1'-0⅛"	6'-7¼"	2'-11"	2'-1⅞"
B24L	2'-6"	1'-1½"	1'-4½"	4'-0⅞"	1'-5⅛"	3'-7¼"	2'-11"	2'-0⅝"
B23L	2'-4½"	1'-0¾"	1'-3¾"	3'-8⅝"	1'-4⅝"	3'-3⅛"	2'-11"	1'-11⅛"
B22L	2'-0"	10½"	1'-1½"	3'-0"	1'-2⅜"	2'-7¼"	2'-11"	1'-7¼"
B21L	2'-0"	10½"	1'-1½"	2'-10⅜"	1'-2¾"	2'-5½"	2'-11"	1'-7"
B20L	2'-0"	10½"	1'-1½"	2'-8½"	1'-3⅛"	2'-3½"	2'-11"	1'-6⅝"
B19L	2'-0"	10½"	1'-1½"	2'-6½"	1'-3¾"	2'-1¼"	2'-11"	1'-6⅛"
B18L	2'-0"	10½"	1'-1½"	2'-4⅛"	1'-4⅜"	1'-10¾"	2'-11"	1'-5⅝"
B17L	2'-0"	10½"	1'-1½"	2'-1½"	1'-5⅛"	1'-8"	2'-11"	1'-4⅞"
B16L	2'-0"	10½"	1'-1½"	1'-10⅝"	1'-6"	1'-4⅞"	2'-11"	1'-3⅞"
B15L	1'-9"	9"	1'-0"	1'-4¾"	1'-4¾"	11¾"	2'-11"	1'-0¾"
B14L	1'-9"	9"	1'-0"	1'-1⅜"	1'-5⅞"	8⅜"	2'-11"	11"
B13L	1'-9"	9"	1'-0"	9⅜"	1'-7⅛"	4⅞"	2'-11"	8⅝"
M13L	1'-8"	8½"	11½"	9¼"	1'-6¼"	4¾"	2'-11"	8¼"
M14L	1'-8"	8½"	11½"	1'-3⅝"	1'-4⅛"	10¾"	2'-11"	11⅞"
M15L	1'-8"	8½"	11½"	1'-9½"	1'-2⅜"	1'-4¾"	2'-11"	1'-1⅞"
M16L	1'-9"	9"	1'-0"	2'-4¼"	1'-1⅝"	1'-11⅝"	2'-11"	1'-4"
M17L	2'-0"	10½"	1'-1½"	3'-2¼"	1'-2¼"	2'-9⅜"	2'-11"	1'-7⅜"
M18L	2'-0"	10½"	1'-1½"	3'-7¾"	1'-1¼"	3'-3¼"	2'-11"	1'-8"
M19L	2'-0"	10½"	1'-1½"	4'-1"	1'-0½"	3'-8⅝"	2'-11"	1'-8½"
M20L	2'-0"	10½"	1'-1½"	4'-5½"	11⅞"	4'-1½"	2'-11"	1'-8⅞"
M21L	2'-0"	10½"	1'-1½"	4'-10"	11¼"	4'-6⅛"	2'-11"	1'-9⅛"
M22L	2'-3½"	1'-0¼"	1'-3¼"	5'-11⅜"	1'-0⅜"	5'-7⅛"	2'-11"	2'-0½"
M23L	2'-3½"	1'-0¼"	1'-3¼"	6'-3⅞"	1'-0"	5'-11¾"	2'-11"	2'-0¾"
M24L	2'-4½"	1'-0¾"	1'-3¾"	6'-11⅜"	1'-0⅛"	6'-7¼"	2'-11"	2'-1⅞"

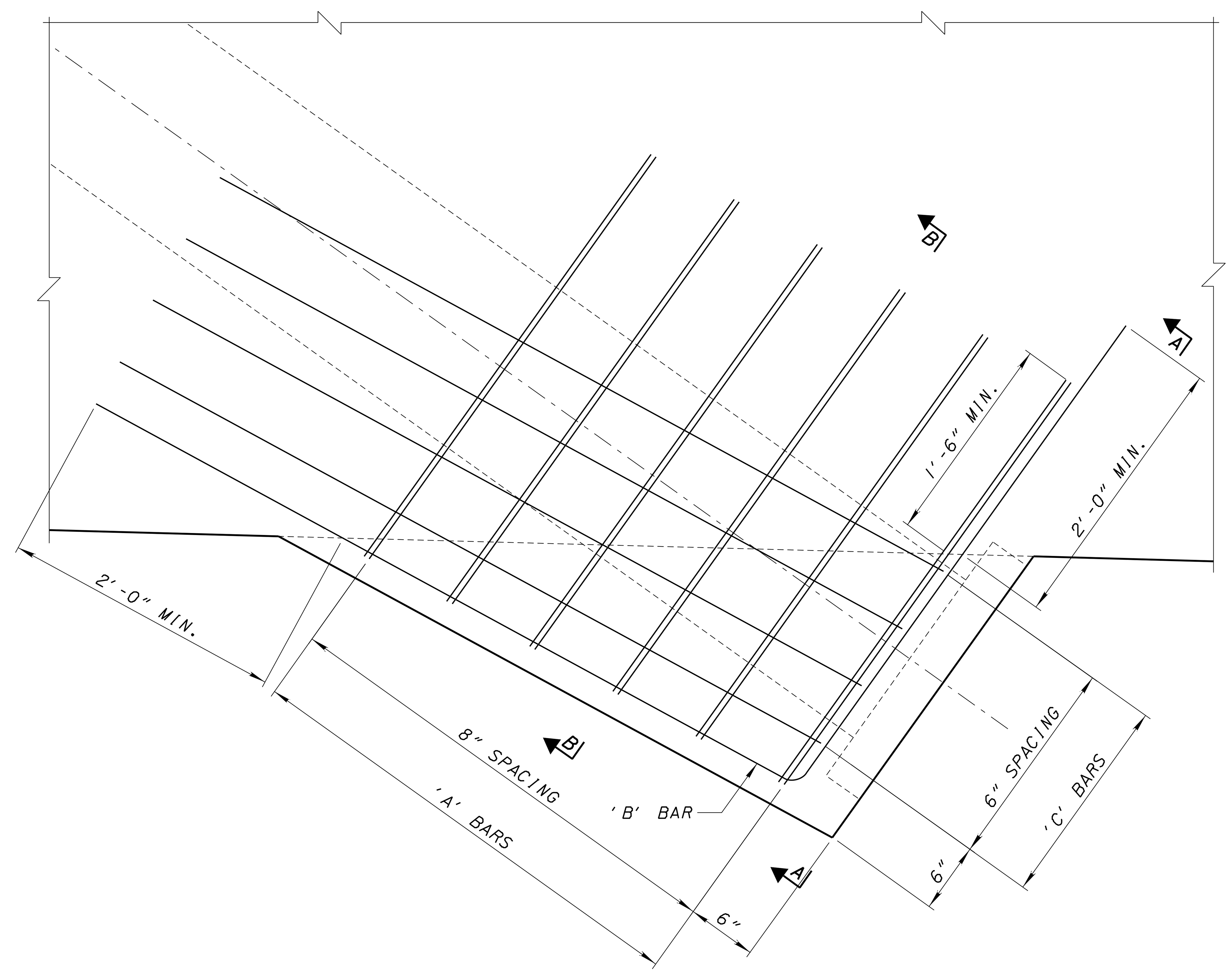
DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED DLJ | CHECKED BP | DRAWN CER | REVISED | REVIEWED SLS | DATE 8-02 | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

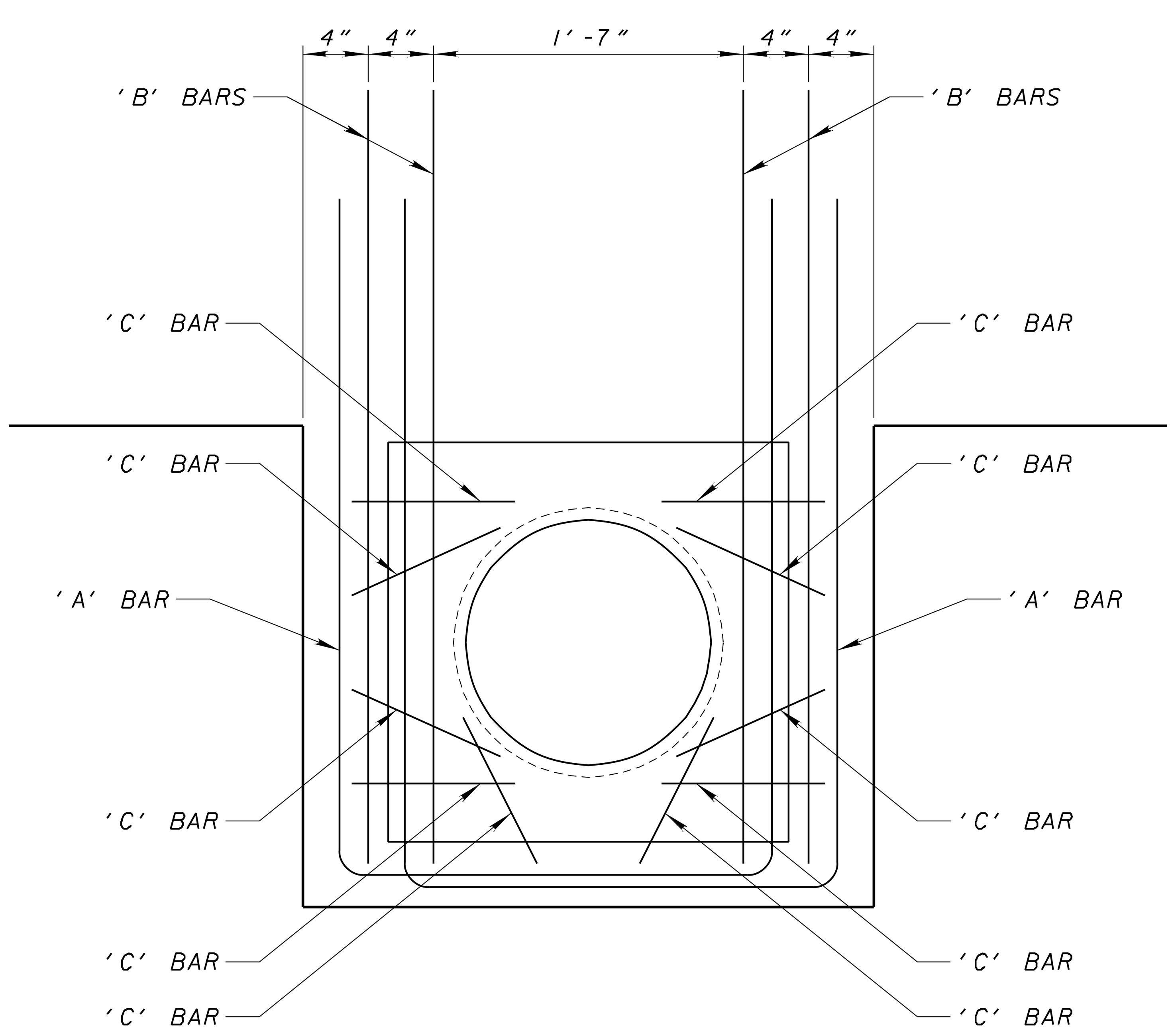
EDGE GIRDER CABLE BLISTER GEOMETRY (2)

BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

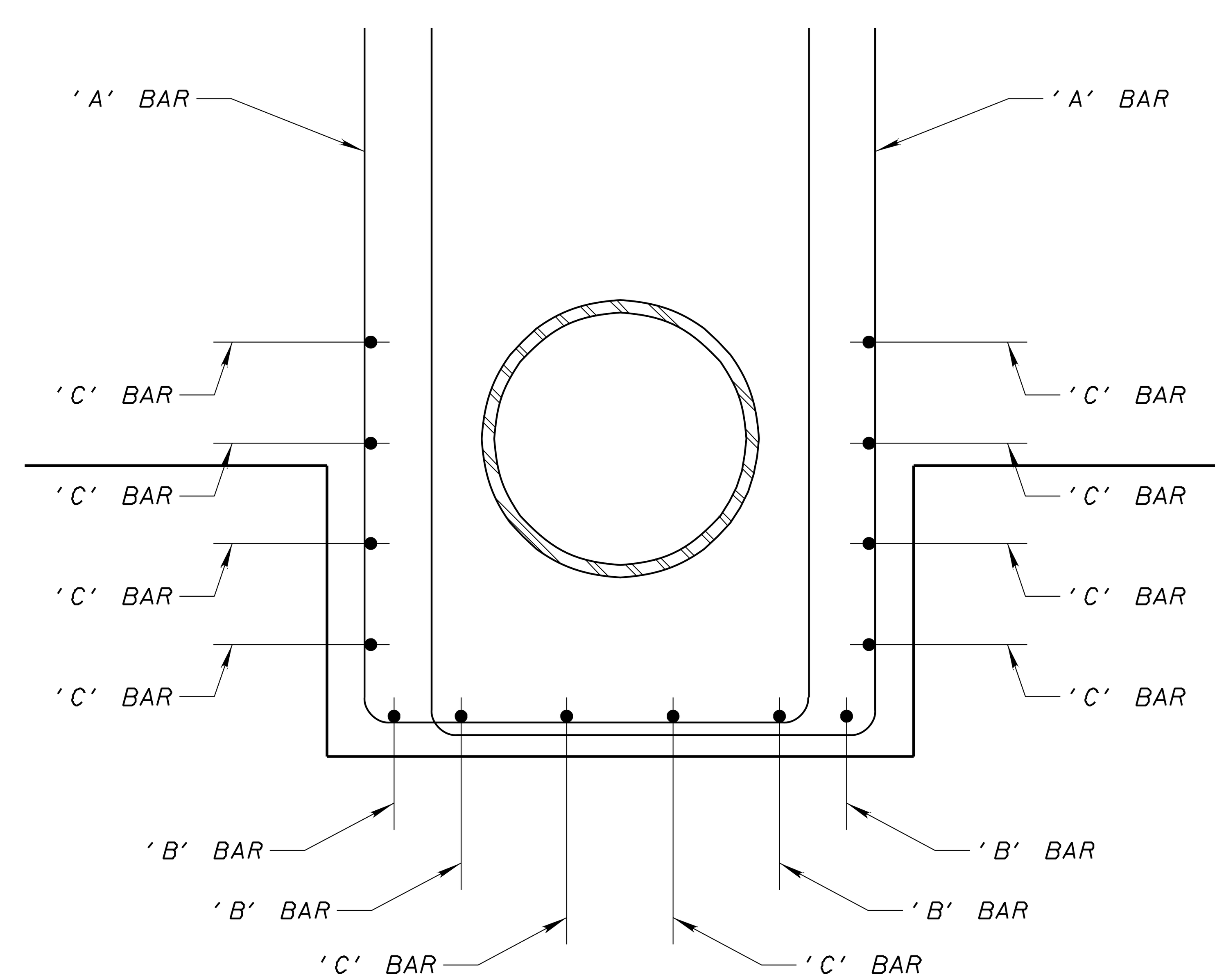
MEG-33-15.70



ELEVATION



SECTION A-A



SECTION B-B

CABLE NUMBER (RT. & LT.)	NO. OF 'A' BARS	NO. OF 'B' BARS	NO. OF 'C' BARS
B12	12 -S5711	4 -S5712	10 -S5714
B11	12 -S5711	4 -S5712	10 -S5714
B10	10 -S5711	4 -S5713	10 -S5715
B9	10 -S5711	4 -S5713	10 -S5715
B8	8 -S5711	4 -S5713	8 -S5715
B7	8 -S5711	4 -S5713	8 -S5715
B6	8 -S5711	4 -S5713	8 -S5715
B5	8 -S5711	4 -S5713	8 -S5715
B4	8 -S5711	4 -S5713	8 -S5715
B3	6 -S5711	4 -S5713	8 -S5715
B2	6 -S5711	4 -S5713	8 -S5715
B1	6 -S5711	4 -S5713	8 -S5715
M1	6 -S5711	4 -S5713	8 -S5715
M2	6 -S5711	4 -S5713	8 -S5715
M3	6 -S5711	4 -S5713	8 -S5715
M4	8 -S5711	4 -S5713	8 -S5715
M5	10 -S5711	4 -S5713	8 -S5715
M6	10 -S5711	4 -S5713	8 -S5715
M7	12 -S5711	4 -S5712	10 -S5714
M8	12 -S5711	4 -S5712	10 -S5714
M9	14 -S5711	4 -S5712	10 -S5714
M10	16 -S5711	4 -S5712	10 -S5714
M11	16 -S5711	4 -S5712	10 -S5714
M12	18 -S5711	4 -S5712	10 -S5714
M24	18 -S5711	4 -S5712	10 -S5714
M23	16 -S5711	4 -S5712	10 -S5714
M22	16 -S5711	4 -S5712	10 -S5714
M21	14 -S5711	4 -S5712	10 -S5714
M20	12 -S5711	4 -S5712	10 -S5714
M19	12 -S5711	4 -S5712	10 -S5714
M18	10 -S5711	4 -S5713	8 -S5715
M17	10 -S5711	4 -S5713	8 -S5715
M16	8 -S5711	4 -S5713	8 -S5715
M15	6 -S5711	4 -S5713	8 -S5715
M14	6 -S5711	4 -S5713	8 -S5715
M13	6 -S5711	4 -S5713	8 -S5715
B13	6 -S5711	4 -S5713	8 -S5715
B14	6 -S5711	4 -S5713	8 -S5715
B15	6 -S5711	4 -S5713	8 -S5715
B16	8 -S5711	4 -S5713	8 -S5715
B17	8 -S5711	4 -S5713	8 -S5715
B18	8 -S5711	4 -S5713	8 -S5715
B19	8 -S5711	4 -S5713	8 -S5715
B20	8 -S5711	4 -S5713	8 -S5715
B21	10 -S5711	4 -S5713	10 -S5715
B22	10 -S5711	4 -S5713	10 -S5715
B23	12 -S5711	4 -S5712	10 -S5714
B24	12 -S5711	4 -S5712	10 -S5714

NOTES

1. FOR EDGE GIRDER REINFORCEMENT, SEE SHEET NOS. 116-136/243 .
2. FOR EDGE GIRDER BLISTER GEOMETRY, SEE SHEET NOS. 154-155/243 .
3. FOR ANCHOR PLATE AND GUIDE PIPE DIAMETERS, SEE SHEET NO. 164/243 .
4. SMALL ADJUSTMENTS IN REBAR PLACEMENT OR ROTATION OF HOOKED ENDS CAN BE MADE TO MISS STAY GUIDE PIPES, MAIN GIRDER AND FLOOR BEAM REINFORCEMENT.

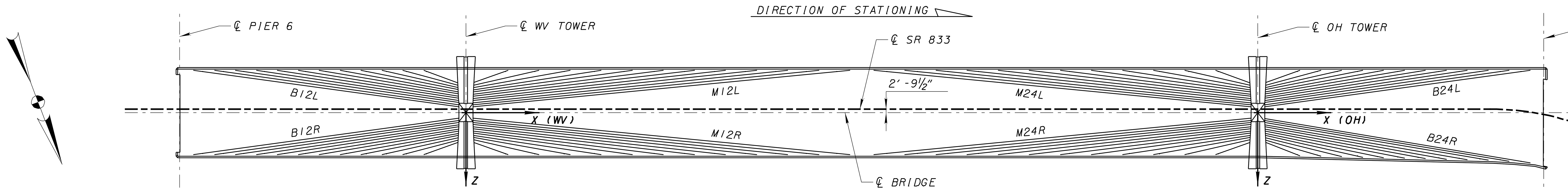
DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

REVIEWED SLS | DATE 8-02
STRUCTURE FILE NUMBER 5300916 OH 10385 WV
DRAWN CER | REVISED
DESIGNED RJB | CHECKED MWL

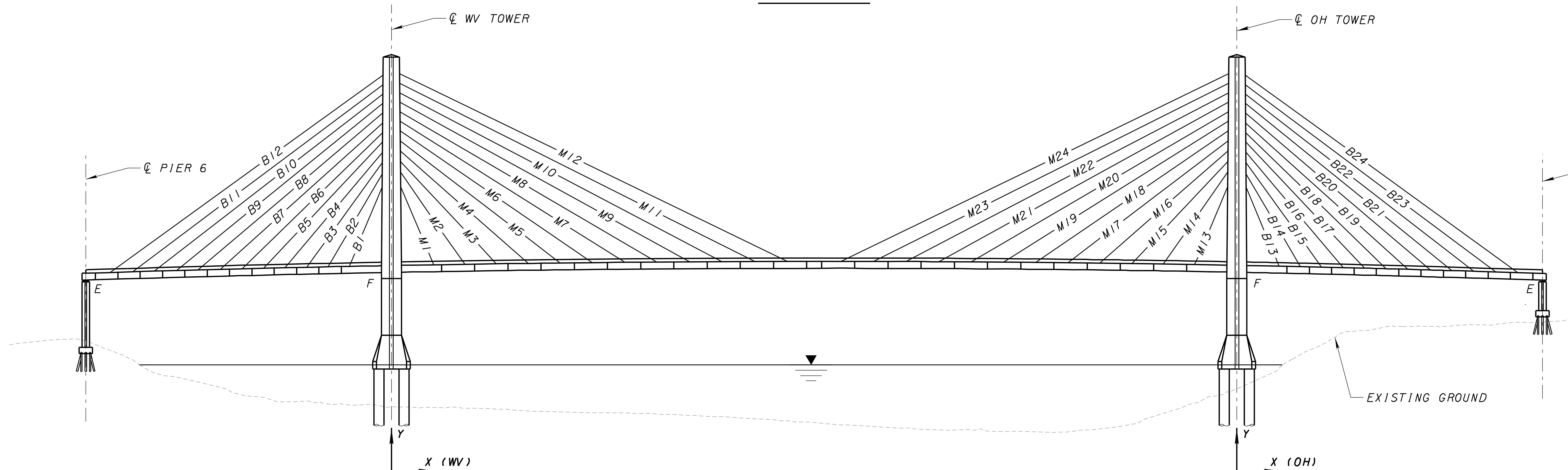
EDGE GIRDER BOTTOM BLISTER REINFORCEMENT
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

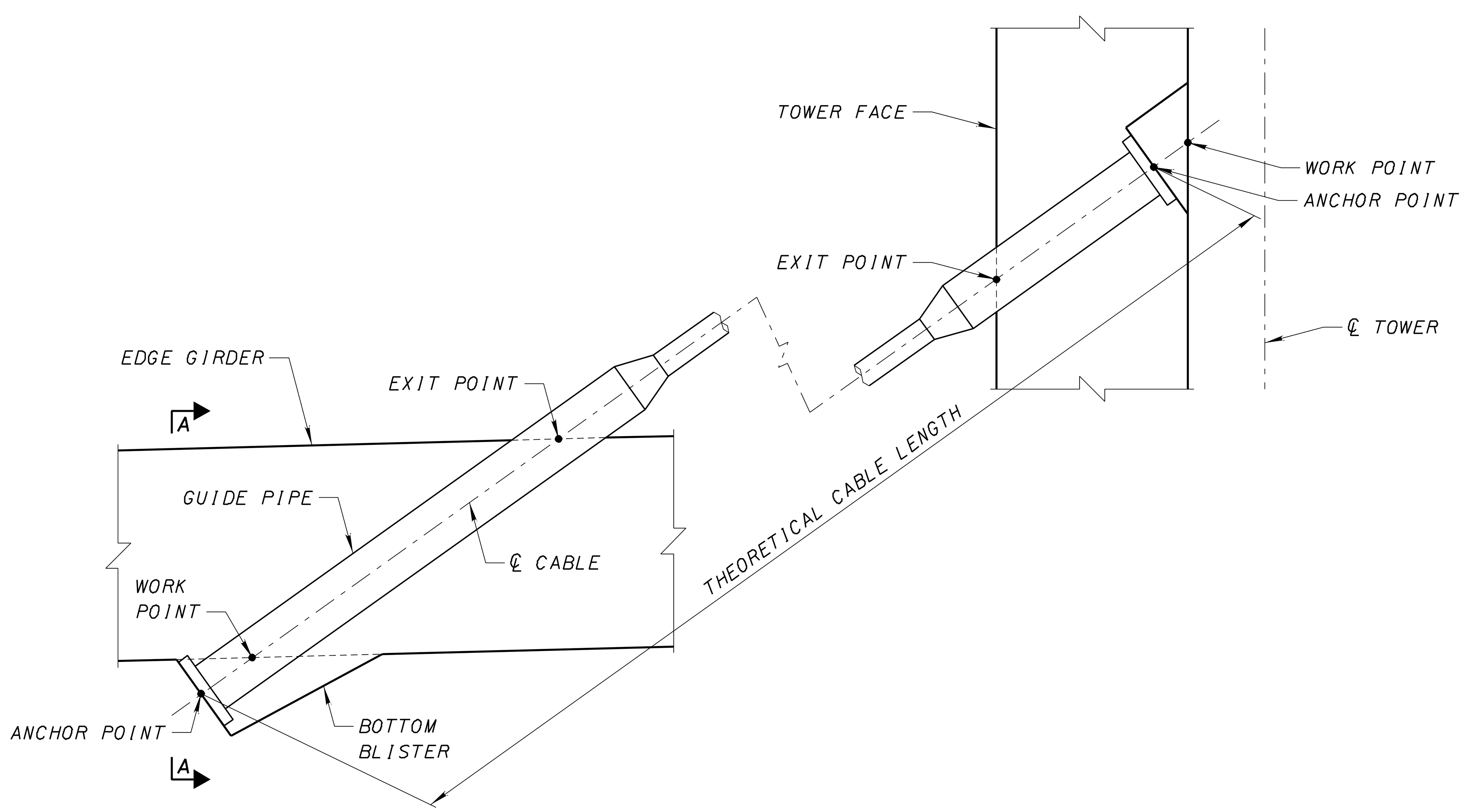
5/16/2006 7:27:50 AM
e:\bridges\pomeroymason\stcblrrb.dgn



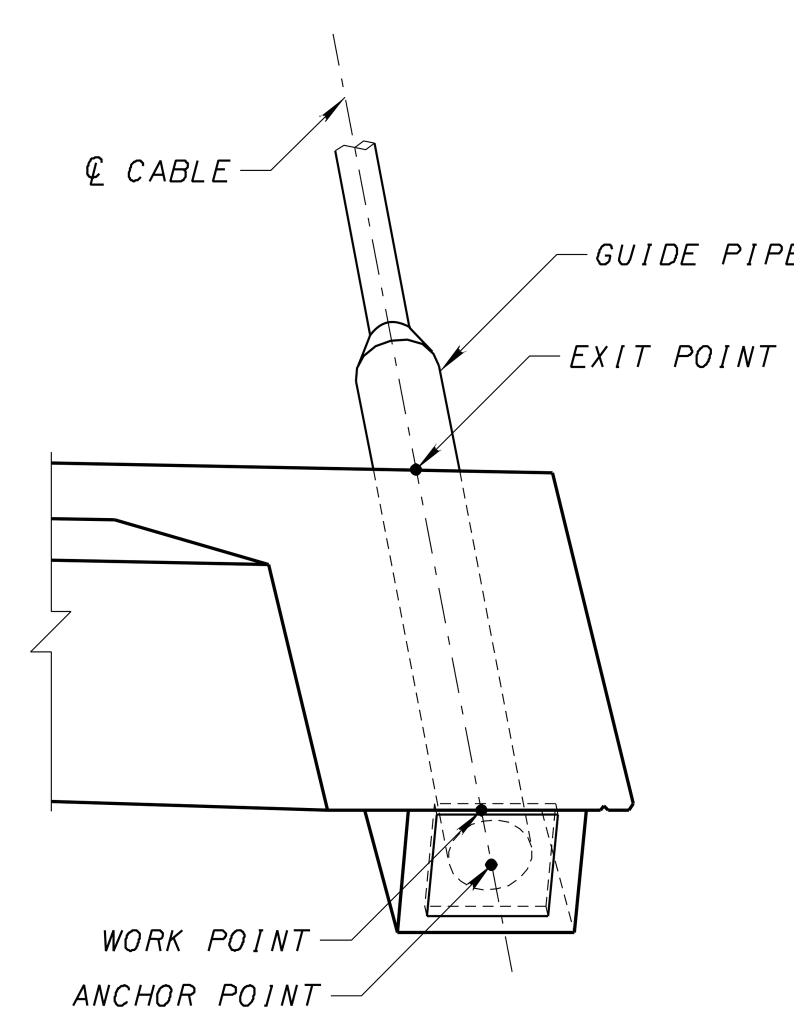
KEY PLAN



KEY ELEVATION



CABLE ELEVATION



SECTION A-A

NOTES

1. Y-COORDINATE IS ELEVATION BASED ON VERTICAL DATUM NAVD 1988.
2. X-COORDINATE IS BASED ON X=0 AT ℄ WV TOWER FOR WV TOWER CABLES AND X=0 AT ℄ OH TOWER FOR OH TOWER CABLES.
3. Z-COORDINATE ARE BASED ON ℄ BRIDGE.
4. L AND R DESIGNATIONS ON CABLE NUMBERS REFER TO LEFT AND RIGHT CABLE PLANES WHEN LOOKING STATIONS AHEAD.
5. CABLE LENGTHS INDICATED DO NOT INCLUDE DEAD LOAD SAG, ELASTIC STRAND ELONGATION OR SHIM THICKNESS.
6. ALL COORDINATES AND LENGTHS ARE IN FEET, UNLESS NOTED OTHERWISE.
7. CABLE COORDINATES AND ANGLES TAKE DEAD LOAD SAG INTO ACCOUNT AND ARE BASED ON THE FINAL BRIDGE PROFILE AT END OF CONSTRUCTION.
8. FOR ANCHOR PLATE AND GUIDE PIPE DIMENSIONS, SEE SHEET NO. 164/243 .

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
DLJ	CER	SLS	8-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
JF		5300916 OH 10385 WV	

STAY CABLE GEOMETRY (1)

BRIDGE NO. MEG-33-1570

POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

157/243

487/582

5/16/2006 7:27:50 AM

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CABLE ANCHOR POINT, WORK POINT AND EXIT POINT COORDINATES - WV TOWER

CABLE	SUPERSTRUCTURE ANCHORAGE									TOWER ANCHORAGE									(ft)
	WORK POINT			ANCHOR POINT			EXIT POINT			WORK POINT			ANCHOR POINT			EXIT POINT			CABLE
NUMBER	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z	LENGTH
B12R	-232.167	607.745	35.875	-233.516	606.789	36.058	-224.035	613.505	34.775	-3.114	771.900	4.885	-3.912	771.322	4.993	-6.636	769.347	5.361	284.173
B11R	-214.333	608.216	35.875	-215.526	607.342	36.040	-206.476	613.968	34.789	-3.178	764.400	6.686	-3.940	763.830	6.791	-6.700	761.768	7.173	264.788
B10R	-196.500	608.686	35.875	-197.472	607.948	36.013	-188.941	614.431	34.804	-3.242	756.900	8.487	-3.931	756.366	8.584	-6.765	754.174	8.986	245.435
B9R	-178.667	609.157	35.875	-179.583	608.431	36.009	-171.435	614.893	34.820	-3.305	749.400	10.287	-4.012	748.830	10.391	-6.829	746.558	10.802	226.260
B8R	-160.833	609.635	35.875	-161.687	608.923	36.004	-153.970	615.356	34.838	-3.369	741.900	12.088	-4.095	741.285	12.198	-6.894	738.916	12.621	207.175
B7R	-143.000	610.089	35.875	-143.784	609.396	35.998	-136.550	615.792	34.859	-3.432	734.400	13.889	-4.182	733.727	14.007	-6.959	731.236	14.445	188.230
B6R	-125.167	610.526	35.875	-125.871	609.857	35.992	-119.183	616.213	34.882	-3.496	726.900	15.690	-4.273	726.152	15.819	-7.025	723.503	16.275	169.463
B5R	-107.334	610.948	35.875	-107.950	610.308	35.984	-101.878	616.616	34.909	-3.559	719.400	17.491	-4.370	718.548	17.634	-7.091	715.688	18.116	150.935
B4R	-89.500	611.353	35.875	-90.017	610.752	35.975	-84.650	617.003	34.938	-3.623	711.900	19.292	-4.473	710.900	19.456	-7.158	707.739	19.974	132.742
B3R	-71.667	611.743	35.875	-72.014	611.272	35.950	-67.521	617.373	34.974	-3.686	704.400	21.093	-4.483	703.310	21.266	-7.227	699.556	21.863	115.096
B2R	-53.834	612.117	35.875	-54.076	611.707	35.938	-50.509	617.725	35.013	-3.750	696.900	22.893	-4.594	695.467	23.112	-7.301	690.866	23.814	98.126
B1R	-36.000	612.474	35.875	-36.134	612.154	35.922	-33.658	618.059	35.061	-3.814	689.400	24.694	-4.699	687.279	25.002	-7.386	680.842	25.935	82.165
M1R	36.000	613.755	35.875	36.119	613.475	35.916	33.654	619.257	35.060	3.814	689.400	24.694	4.659	687.407	24.988	7.385	680.988	25.935	81.088
M2R	62.500	614.160	35.875	62.789	613.755	35.939	58.590	619.643	35.011	3.750	696.900	22.893	4.522	695.808	23.064	7.292	691.890	23.676	101.457
M3R	89.000	614.530	35.875	89.457	614.050	35.954	83.783	620.002	34.971	3.686	704.400	21.093	4.380	703.667	21.213	7.218	700.664	21.704	124.445
M4R	115.500	614.865	35.875	116.146	614.308	35.971	109.162	620.330	34.935	3.623	711.900	19.292	4.280	711.326	19.389	7.149	708.824	19.814	149.002
M5R	142.000	615.164	35.875	142.923	614.476	35.998	134.675	620.628	34.902	3.559	719.400	17.491	4.242	718.881	17.582	7.082	716.723	17.959	174.562
M6R	168.500	615.428	35.875	169.570	614.714	36.006	160.320	620.894	34.874	3.496	726.900	15.690	4.134	726.464	15.768	7.016	724.496	16.121	200.666
M7R	195.000	615.657	35.875	196.201	614.922	36.013	186.056	621.128	34.848	3.432	734.400	13.889	4.035	734.021	13.958	6.951	732.190	14.293	227.153
M8R	221.500	615.850	35.875	222.813	615.101	36.018	211.900	621.329	34.828	3.369	741.900	12.088	3.942	741.565	12.151	6.886	739.842	12.472	253.904
M9R	248.000	616.008	35.875	249.416	615.246	36.023	237.799	621.496	34.808	3.305	749.400	10.287	3.855	749.096	10.345	6.822	747.458	10.655	280.848
M10R	274.500	616.131	35.875	276.266	615.229	36.053	263.723	621.630	34.787	3.242	756.900	8.487	3.841	756.584	8.547	6.757	755.045	8.842	308.144
M11R	301.000	616.218	35.875	302.864	615.306	36.058	289.728	621.731	34.770	3.178	764.400	6.686	3.759	764.106	6.743	6.693	762.621	7.030	335.358
M12R	327.500	616.270	35.875	329.542	615.310	36.070	315.735	621.797	34.751	3.114	771.900	4.885	3.699	771.614	4.941	6.629	770.179	5.221	362.730
B12L	-232.167	607.856	-35.875	-233.517	606.900	-36.058	-224.030	613.617	-34.774	-3.114	771.900	-4.885	-3.911	771.323	-4.993	-6.636	769.349	-5.361	284.110
B11L	-214.333	608.327	-35.875	-215.528	607.453	-36.040	-206.470	614.080	-34.788	-3.178	764.400	-6.686	-3.940	763.831	-6.791	-6.700	761.770	-7.173	264.724
B10L	-196.500	608.798	-35.875	-197.473	608.059	-36.013	-188.935	614.543	-34.803	-3.242	756.900	-8.487	-3.931	756.367	-8.584	-6.765	754.176	-8.986	245.369
B9L	-178.667	609.269	-35.875	-179.584	608.542	-36.009	-171.429	615.004	-34.819	-3.305	749.400	-10.287	-4.011	748.831	-10.390	-6.829	746.561	-10.802	226.192
B8L	-160.833	609.747	-35.875	-161.688	609.035	-36.004	-153.964	615.467	-34.837	-3.369	741.900	-12.088	-4.095	741.286	-12.198	-6.894	738.919	-12.621	207.106
B7L	-143.000	610.200	-35.875	-143.785	609.507	-35.999	-136.544	615.904	-34.858	-3.432	734.400	-13.889	-4.182	733.728	-14.007	-6.959	731.239	-14.445	188.158
B6L	-125.167	610.638	-35.875	-125.872	609.968	-35.992	-119.177	616.325	-34.881	-3.496	726.900	-15.690	-4.273	726.153	-15.819	-7.025	723.506	-16.275	169.388
B5L	-107.334	611.060	-35.875	-107.951	610.419	-35.984	-101.872	616.728	-34.908	-3.559	719.400	-17.491	-4.369	718.549	-17.634	-7.091	715.692	-18.116	150.857
B4L	-89.500	611.465	-35.875	-90.018	610.863	-35.975	-84.644	617.115	-34.937	-3.623	711.900	-19.292	-4.472	710.901	-19.456	-7.158	707.744	-19.974	132.660
B3L	-71.667	611.855	-35.875	-72.015	611.383	-35.951	-67.517	617.484	-34.973	-3.686	704.400	-21.093	-4.483	703.312	-21.266	-7.227	699.562	-21.863	115.009
B2L	-53.834	612.228	-35.875	-54.077	611.818	-35.938	-50.504	617.837	-35.012	-3.750	696.900	-22.893	-4.593	695.469	-23.112	-7.301	690.874	-23.814	98.033
B1L	-36.000	612.586	-35.875	-36.135	612.266	-35.922	-33.654	618.171	-35.060	-3.814	689.400	-24.694	-4.699	687.283	-25.002	-7.386	680.855	-25.935	82.067
M1L	36.000	613.866	-35.875	36.120	613.586	-35.917	33.650	619.369	-35.059	3.814	689.400	-24.694	4.659	687.411	-24.988	7.385	681.001	-25.935	80.990
M2L	62.500	614.272	-35.875	62.790	613.866	-35.939	58.585	619.755	-35.010	3.750	696.900	-22.893	4.522	695.810	-23.064	7.292	691.897	-23.676	101.370
M3L	89.000	614.642	-35.875	89.458	614.162	-35.954	83.777	620.113	-34.970	3.686	704.400	-21.093	4.379	703.668	-21.213	7.218	700.668	-21.704	124.367
M4L	115.500	614.977	-35.875	116.147	614.419	-35.971	109.155	620.442	-34.934	3.623	711.900	-19.292	4.280	711.327	-19.389	7.149	708.827	-19.814	148.931
M5L	142.000	615.276	-35.875	142.924	614.588	-35.998	134.666	620.740	-34.901	3.559	719.400	-17.491	4.242	718.882	-17.581	7.082	716.726	-17.959	174.497
M6L	168.500	615.540	-35.875	169.571	614.825	-36.006	160.312	621.006	-34.873	3.496	726.900	-15.690	4.133	726.465	-15.768	7.016	724.498	-16.121	200.606
M7L	195.000	615.769	-35.875	196.203	615.034	-36.013	186.047	621.240	-34.847	3.432	734.400	-13.889	4.035	734.022	-13.958	6.951	732.192	-14.293	227.097
M8L	221.500	615.962	-35.875	222.815	615.212	-36.018	211.892	621.440	-34.827	3.369	741.900	-12.088	3.942	741.565	-12.151	6.886	739.844	-12.472	253.851
M9L	248.000	616.120	-35.875	249.417	615.358	-36.023	237.791	621.608	-34.807	3.305	749.400	-10.287	3.854	749.097	-10.345	6.822	747.460	-10.655	280.797
M10L	274.500	616.242	-35.875	276.268	615.341	-36.054	263.714	621.742	-34.786	3.242	756.900	-8.487	3.841	756.584	-8.547	6.757	755.047	-8.842	308.095
M11L	301.000	616.330	-35.875	302.866	615.418	-36.058	289.719	621.842	-34.769	3.178	764.400	-6.686	3.759	764.106	-6.743	6.693	762.623	-7.030	335.310
M12L	327.500	616.381	-35.875	329.544	615.422	-36.070	315.726	621.909	-34.750	3.114	771.900	-4.885	3.699	771.614	-4.941	6.629	770.180	-5.221	362.684

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

REVIEWED SLS DATE 8-02
STRUCTURE FILE NUMBER 5300916 OH 10385 WV
DRAWN CER REVISED
DESIGNED DLJ CHECKED JF

STAY CABLE GEOMETRY (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

158/243

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CABLE ANCHOR POINT, WORK POINT AND EXIT POINT COORDINATES - OH TOWER

CABLE NUMBER	SUPERSTRUCTURE ANCHORAGE									TOWER ANCHORAGE									(ft) CABLE LENGTH
	WORK POINT			ANCHOR POINT			EXIT POINT			WORK POINT			ANCHOR POINT			EXIT POINT			
	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z	X	Y	Z	
M24R	-327.500	616.285	35.875	-329.550	615.322	36.071	-315.690	621.834	34.747	-3.114	771.900	4.885	-3.699	771.614	4.941	-6.629	770.179	5.221	362.732
M23R	-301.000	616.276	35.875	-302.871	615.361	36.058	-289.695	621.804	34.767	-3.178	764.400	6.686	-3.759	764.106	6.743	-6.693	762.622	7.030	335.340
M22R	-274.500	616.221	35.875	-276.272	615.317	36.054	-263.695	621.733	34.784	-3.242	756.900	8.487	-3.841	756.584	8.547	-6.757	755.047	8.842	308.110
M21R	-248.000	616.125	35.875	-249.420	615.361	36.024	-237.776	621.621	34.806	-3.305	749.400	10.287	-3.854	749.097	10.345	-6.822	747.460	10.655	280.798
M20R	-221.500	615.986	35.875	-222.817	615.235	36.019	-211.882	621.469	34.826	-3.369	741.900	12.088	-3.942	741.565	12.151	-6.886	739.844	12.472	253.841
M19R	-195.000	615.805	35.875	-196.204	615.069	36.013	-186.040	621.278	34.847	-3.432	734.400	13.889	-4.035	734.022	13.958	-6.951	732.193	14.293	227.080
M18R	-168.500	615.581	35.875	-169.572	614.866	36.006	-160.308	621.047	34.873	-3.496	726.900	15.690	-4.133	726.465	15.768	-7.016	724.499	16.121	200.584
M17R	-142.000	615.316	35.875	-142.924	614.628	35.998	-134.666	620.778	34.901	-3.559	719.400	17.491	-4.242	718.882	17.581	-7.082	716.727	17.959	174.474
M16R	-115.500	615.008	35.875	-116.147	614.451	35.971	-109.156	620.470	34.935	-3.623	711.900	19.292	-4.280	711.328	19.389	-7.149	708.828	19.814	148.910
M15R	-89.000	614.658	35.875	-89.458	614.179	35.954	-83.780	620.126	34.970	-3.686	704.400	21.093	-4.379	703.668	21.213	-7.218	700.669	21.704	124.354
M14R	-62.500	614.266	35.875	-62.789	613.861	35.939	-58.589	619.745	35.011	-3.750	696.900	22.893	-4.522	695.810	23.064	-7.292	691.897	23.676	101.373
M13R	-36.000	613.832	35.875	-36.119	613.553	35.916	-33.653	619.331	35.060	-3.814	689.400	24.694	-4.659	687.410	24.988	-7.385	680.997	25.935	81.019
B13R	36.000	612.601	36.697	36.136	612.277	36.747	33.655	618.183	35.822	3.814	689.400	24.694	4.690	687.303	25.021	7.386	680.856	26.026	82.190
B14R	53.833	612.201	37.124	54.079	611.788	37.194	50.505	617.809	36.178	3.750	696.900	22.893	4.587	695.480	23.131	7.301	690.872	23.902	98.242
B15R	71.667	611.782	37.552	72.017	611.307	37.636	67.518	617.414	36.547	3.686	704.400	21.093	4.477	703.319	21.284	7.227	699.558	21.950	115.304
B16R	89.500	611.344	37.979	90.020	610.738	38.092	84.646	616.998	36.923	3.623	711.900	19.292	4.467	710.906	19.475	7.158	707.739	20.061	133.040
B17R	107.333	610.887	38.407	107.953	610.242	38.532	101.874	616.562	37.306	3.559	719.400	17.491	4.365	718.553	17.653	7.091	715.686	18.203	151.320
B18R	125.167	610.411	38.834	125.875	609.737	38.969	119.179	616.107	37.695	3.496	726.900	15.690	4.269	726.155	15.837	7.025	723.500	16.361	169.931
B19R	143.000	609.909	39.262	143.788	609.212	39.405	136.539	615.631	38.087	3.432	734.400	13.889	4.178	733.730	14.025	6.959	731.232	14.530	188.785
B20R	160.833	609.222	39.689	161.690	608.505	39.839	153.883	615.033	38.471	3.369	741.900	12.088	4.092	741.286	12.215	6.894	738.907	12.706	207.920
B21R	178.667	608.512	40.116	179.585	607.780	40.273	171.331	614.356	38.869	3.305	749.400	10.287	4.009	748.829	10.407	6.829	746.545	10.887	227.187
B22R	196.500	607.777	40.544	197.474	607.032	40.706	188.810	613.656	39.268	3.242	756.900	8.487	3.930	756.364	8.601	6.765	754.156	9.071	246.557
B23R	214.333	606.886	41.332	215.575	605.969	41.535	206.237	612.860	40.003	3.178	764.400	6.686	3.965	763.807	6.815	6.700	761.744	7.264	266.265
B24R	232.167	606.015	42.852	233.539	605.034	43.080	223.815	611.990	41.468	3.114	771.900	4.885	3.924	771.307	5.019	6.636	769.318	5.469	286.039
M24L	-327.500	616.397	-35.875	-329.552	615.434	-36.071	-315.682	621.946	-34.746	-3.114	771.900	-4.885	-3.699	771.614	-4.941	-6.629	770.181	-5.221	362.686
M23L	-301.000	616.388	-35.875	-302.873	615.472	-36.059	-289.686	621.915	-34.766	-3.178	764.400	-6.686	-3.758	764.107	-6.743	-6.693	762.624	-7.030	335.293
M22L	-274.500	616.333	-35.875	-276.274	615.429	-36.054	-263.687	621.844	-34.783	-3.242	756.900	-8.487	-3.841	756.584	-8.547	-6.757	755.048	-8.842	308.061
M21L	-248.000	616.236	-35.875	-249.422	615.473	-36.024	-237.767	621.733	-34.805	-3.305	749.400	-10.287	-3.854	749.097	-10.345	-6.822	747.461	-10.655	280.746
M20L	-221.500	616.097	-35.875	-222.818	615.347	-36.019	-211.873	621.581	-34.825	-3.369	741.900	-12.088	-3.941	741.566	-12.151	-6.886	739.846	-12.472	253.788
M19L	-195.000	615.916	-35.875	-196.205	615.181	-36.013	-186.032	621.389	-34.846	-3.432	734.400	-13.889	-4.034	734.023	-13.958	-6.951	732.195	-14.293	227.023
M18L	-168.500	615.693	-35.875	-169.573	614.978	-36.006	-160.300	621.159	-34.872	-3.496	726.900	-15.690	-4.133	726.466	-15.768	-7.016	724.501	-16.121	200.524
M17L	-142.000	615.428	-35.875	-142.926	614.739	-35.998	-134.658	620.889	-34.900	-3.559	719.400	-17.491	-4.241	718.883	-17.581	-7.082	716.729	-17.959	174.409
M16L	-115.500	615.120	-35.875	-116.148	614.563	-35.971	-109.149	620.582	-34.934	-3.623	711.900	-19.292	-4.279	711.329	-19.389	-7.149	708.832	-19.814	148.840
M15L	-89.000	614.770	-35.875	-89.459	614.290	-35.954	-83.773	620.238	-34.969	-3.686	704.400	-21.093	-4.379	703.669	-21.213	-7.218	700.674	-21.704	124.276
M14L	-62.500	614.378	-35.875	-62.790	613.973	-35.939	-58.583	619.857	-35.009	-3.750	696.900	-22.893	-4.521	695.812	-23.064	-7.292	691.904	-23.676	101.285
M13L	-36.000	613.944	-35.875	-36.119	613.664	-35.917	-33.649	619.443	-35.058	-3.814	689.400	-24.694	-4.659	687.413	-24.988	-7.385	681.009	-25.935	80.920
B13L	36.000	612.962	-35.875	36.136	612.639	-35.922	33.658	618.511	-35.061	3.814	689.400	-24.694	4.698	687.295	-25.001	7.386	680.898	-25.935	81.738
B14L	53.833	612.704	-35.875	54.080	612.291	-35.939	50.514	618.263	-35.015	3.750	696.900	-22.893	4.592	695.479	-23.112	7.301	690.909	-23.814	97.642
B15L	71.667	612.428	-35.875	72.019	611.952	-35.952	67.537	617.995	-34.977	3.686	704.400	-21.093	4.481	703.321	-21.265	7.227	699.593	-21.862	114.566
B16L	89.500	612.132	-35.875	90.026	611.525	-35.976	84.675	617.708	-34.943	3.623	711.900	-19.292	4.470	710.911	-19.455	7.158	707.772	-19.974	132.175
B17L	107.333	611.818	-35.875	107.960	611.171	-35.986	101.917	617.401	-34.915	3.559	719.400	-17.491	4.367	718.558	-17.634	7.091	715.718	-18.116	150.334
B18L	125.167	611.484	-35.875	125.884	610.808	-35.994	119.236	617.074	-34.891	3.496	726.900	-15.690	4.270	726.161	-15.818	7.024	723.531	-16.275	168.829
B19L	143.000	611.131	-35.875	143.798	610.431	-36.001	136.618	616.728	-34.870	3.432	734.400	-13.889	4.179	733.736	-14.007	6.959	731.263	-14.445	187.567
B20L	160.833	610.759	-35.875	161.703	610.040	-36.006	154.053	616.362	-34.851	3.369	741.900	-12.088	4.091	741.293	-12.197	6.894	738.942	-12.621	206.484
B21L	178.667	610.368	-35.875	179.601	609.633	-36.011	171.532	615.978	-34.834	3.305	749.400	-10.287	4.008	748.838	-10.390	6.829	746.583	-10.802	225.538
B22L	196.500	609.956	-35.875	197.493	609.207	-36.016	189.043	615.573	-34.818	3.242	756.900	-8.487	3.927	756.374	-8.584	6.764	754.197	-8.986	244.700
B23L	214.333	609.604	-35.875	215.604	608.682	-36.051	206.642	615.181	-34.812	3.178	764.400	-6.686	3.961	763.820	-6.794	6.700	761.790	-7.173	264.038
B24L	232.167	609.304	-35.875	233.575	608.316	-36.066	224.255	614.851	-34.805	3.114	771.900	-4.885	3.919	771.322	-4.994	6.636	769.369	-5.361	283.333

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DATE 8-02
STRUCTURE FILE NUMBER 5300916 OH 10385 WV
REVIEWED SLS
DRAWN CER
REVISED
DESIGNED DLJ
CHECKED JF

STAY CABLE GEOMETRY (3)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

5/16/2006 7:27:51 AM

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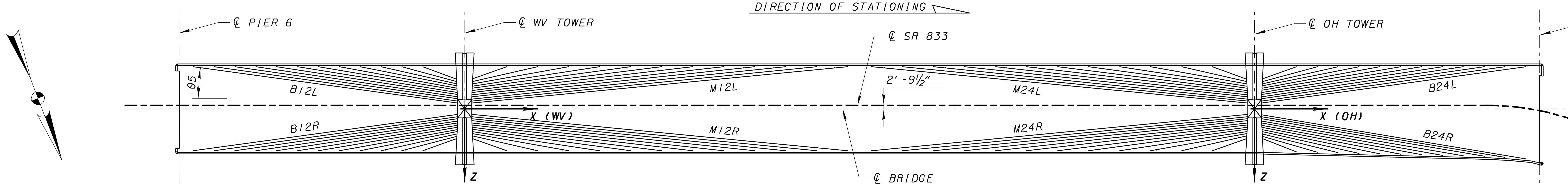
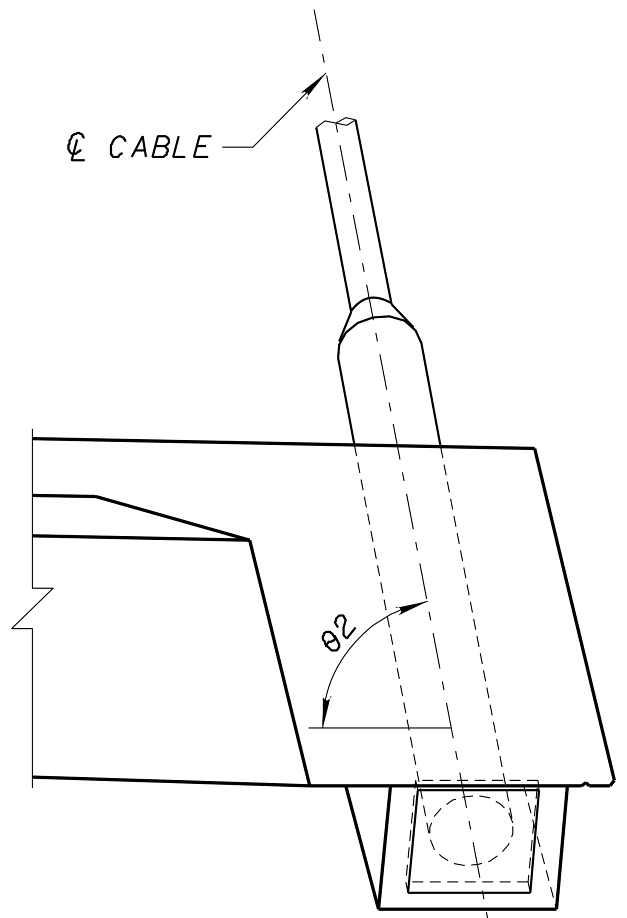
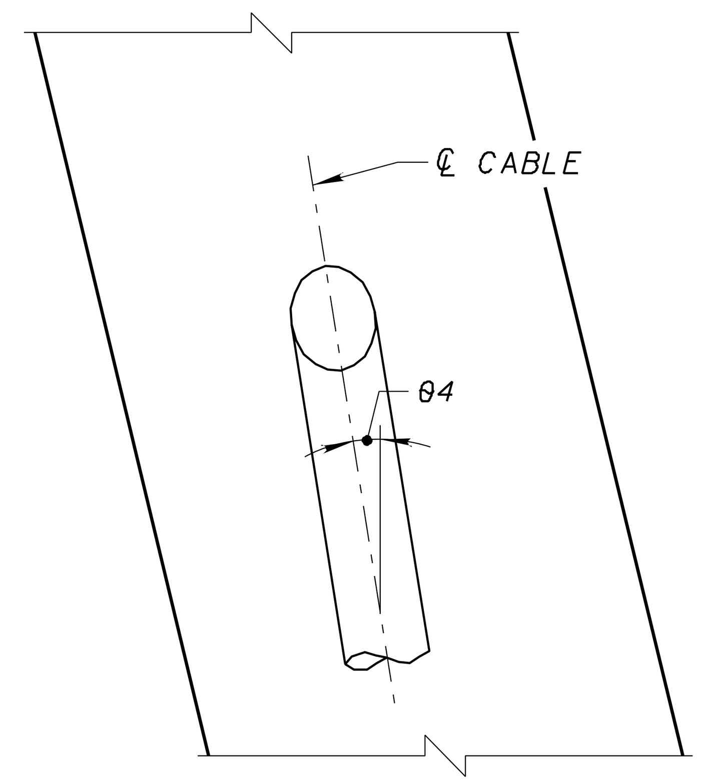


KEY PLAN (PROJECTION X-Z PLANE)



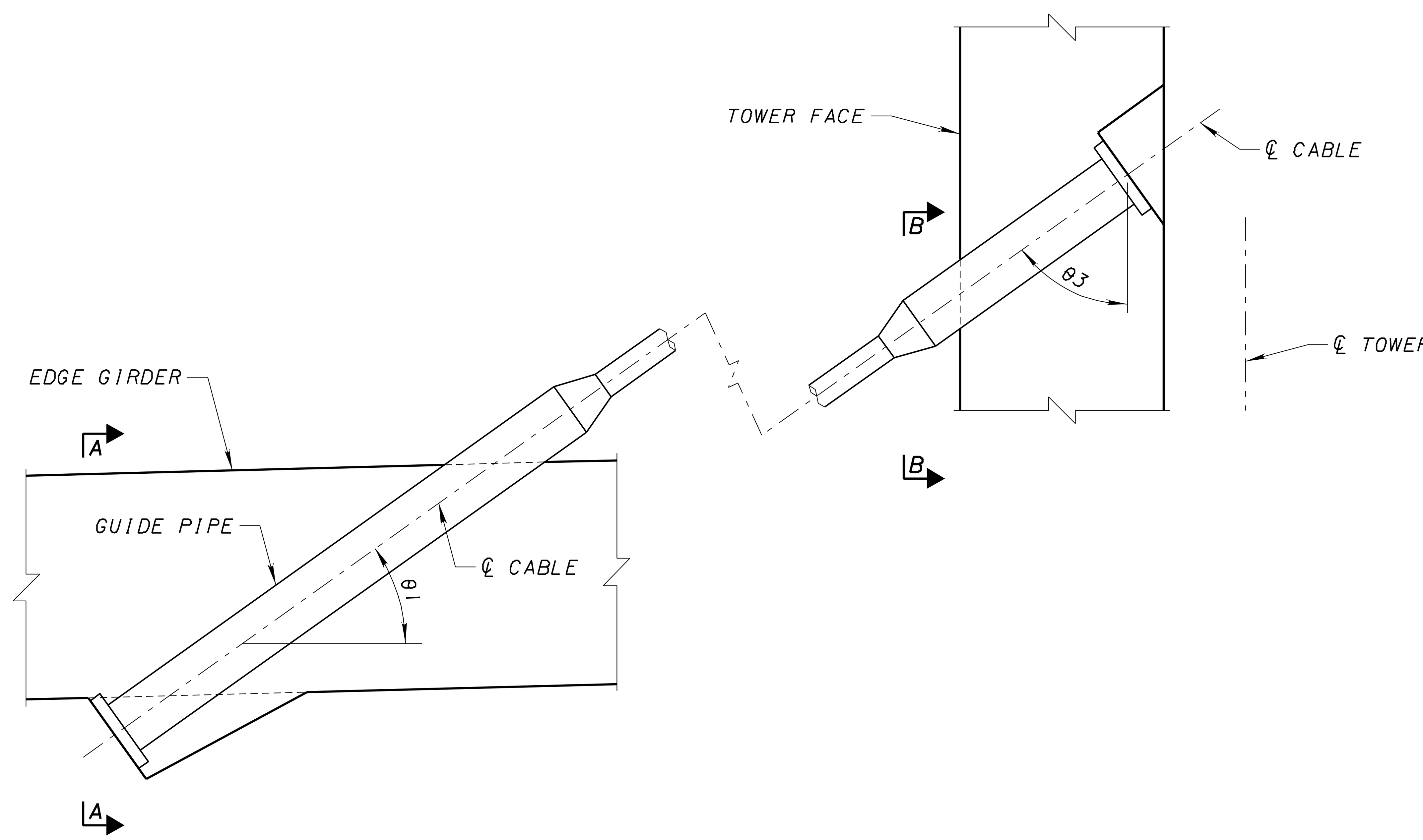
VIEW A-A (PROJECTION Y-Z PLANE)



VIEW B-B (PROJECTION Y-Z PLANE)

CABLE ANGLES -WV TOWER					
CABLE NUMBER	θ1 (DEG)	θ2 (DEG)	θ3 (DEG)	θ4 (DEG)	θ5 (DEG)
B12R	35.315	79.188	54.061	10.572	7.705
B11R	36.210	79.308	53.234	10.482	7.870
B10R	37.234	79.437	52.266	10.378	8.066
B9R	38.418	79.576	51.119	10.257	8.302
B8R	39.812	79.728	49.755	10.119	8.590
B7R	41.487	79.900	48.107	9.960	8.952
B6R	43.541	80.098	46.092	9.778	9.419
B5R	46.098	80.324	43.573	9.567	10.046
B4R	49.352	80.586	40.355	9.318	10.930
B3R	53.635	80.903	36.169	9.033	12.268
B2R	59.336	81.263	30.479	8.674	14.531
B1R	67.248	81.711	22.658	8.251	19.156
M1R	66.905	81.574	23.003	8.389	19.156
M2R	54.508	81.046	35.263	8.880	12.460
M3R	46.366	80.619	43.387	9.301	9.830
M4R	40.770	80.246	48.899	9.643	8.431
M5R	36.718	79.905	52.766	9.911	7.564
M6R	33.751	79.626	55.670	10.155	6.974
M7R	31.451	79.372	57.868	10.356	6.547
M8R	29.713	79.182	59.671	10.559	6.223
M9R	28.281	79.001	61.090	10.722	5.970
M10R	27.036	78.808	62.184	10.834	5.765
M11R	26.062	78.668	63.159	10.961	5.598
M12R	25.165	78.506	63.908	11.038	5.457
B12L	35.296	79.180	54.079	10.579	7.705
B11L	36.190	79.300	53.253	10.489	7.870
B10L	37.214	79.429	52.286	10.386	8.066
B9L	38.396	79.567	51.141	10.265	8.302
B8L	39.788	79.719	49.779	10.128	8.590
B7L	41.462	79.891	48.132	9.969	8.952
B6L	43.513	80.088	46.119	9.788	9.419
B5L	46.068	80.315	43.603	9.577	10.046
B4L	49.321	80.576	40.386	9.328	10.930
B3L	53.602	80.893	36.202	9.043	12.268
B2L	59.303	81.252	30.512	8.685	14.531
B1L	67.218	81.700	22.688	8.263	19.156
M1L	66.874	81.561	23.034	8.402	19.156
M2L	54.472	81.034	35.299	8.892	12.460
M3L	46.330	80.608	43.422	9.313	9.830
M4L	40.738	80.235	48.931	9.654	8.431
M5L	36.688	79.894	52.795	9.922	7.564
M6L	33.724	79.615	55.696	10.165	6.974
M7L	31.427	79.363	57.893	10.365	6.547
M8L	29.691	79.173	59.693	10.568	6.223
M9L	28.260	78.992	61.110	10.731	5.970
M10L	27.017	78.799	62.203	10.842	5.765
M11L	26.045	78.660	63.176	10.969	5.598
M12L	25.149	78.498	63.924	11.046	5.457

CABLE ANGLES - OH TOWER					
CABLE NUMBER	θ1 (DEG)	θ2 (DEG)	θ3 (DEG)	θ4 (DEG)	θ5 (DEG)
M24R	25.167	78.507	63.915	11.042	5.457
M23R	26.057	78.666	63.172	10.967	5.598
M22R	27.025	78.803	62.204	10.843	5.765
M21R	28.262	78.992	61.113	10.732	5.970
M20R	29.688	79.171	59.699	10.570	6.223
M19R	31.419	79.359	57.900	10.368	6.547
M18R	33.713	79.611	55.705	10.169	6.974
M17R	36.676	79.890	52.804	9.925	7.564
M16R	40.728	80.232	48.940	9.657	8.431
M15R	46.325	80.606	43.428	9.314	9.830
M14R	54.475	81.035	35.299	8.892	12.460
M13R	66.883	81.565	23.025	8.398	19.156
B13R	67.215	81.097	22.692	8.863	20.451
B14R	59.310	80.427	30.503	9.503	15.862
B15R	53.623	79.888	36.180	10.041	13.610
B16R	49.354	79.418	40.351	10.474	12.277
B17R	46.114	79.029	43.557	10.849	11.395
B18R	43.570	78.692	46.063	11.167	10.770
B19R	41.529	78.400	48.066	11.440	10.303
B20R	39.900	78.160	49.666	11.664	9.942
B21R	38.545	77.948	50.988	11.858	9.654
B22R	37.399	77.759	52.092	12.025	9.418
B23R	36.424	77.464	52.984	12.277	9.318
B24R	35.576	76.953	53.753	12.740	9.412
M24L	25.151	78.499	63.931	11.049	5.457
M23L	26.040	78.657	63.189	10.975	5.598
M22L	27.006	78.794	62.222	10.851	5.765
M21L	28.242	78.983	61.133	10.741	5.970
M20L	29.666	79.162	59.721	10.579	6.223
M19L	31.395	79.349	57.924	10.377	6.547
M18L	33.686	79.601	55.731	10.178	6.974
M17L	36.647	79.879	52.833	9.935	7.564
M16L	40.695	80.221	48.973	9.668	8.431
M15L	46.290	80.595	43.464	9.326	9.830
M14L	54.439	81.023	35.336	8.904	12.460
M13L	66.853	81.553	23.055	8.410	19.156
B13L	67.118	81.660	22.788	8.303	19.156
B14L	59.160	81.203	30.653	8.733	14.531
B15L	53.432	80.837	36.372	9.099	12.268
B16L	49.131	80.514	40.574	9.389	10.930
B17L	45.868	80.248	43.804	9.643	10.046
B18L	43.306	80.017	46.329	9.858	9.419
B19L	41.249	79.816	48.347	10.043	8.952
B20L	39.572	79.642	49.996	10.204	8.590
B21L	38.175	79.486	51.360	10.344	8.302
B22L	36.993	79.346	52.500	10.464	8.066
B23L	35.949	79.208	53.462	10.567	7.870
B24L	35.035	79.078	54.298	10.663	7.705



LONGITUDINAL CABLE ELEVATION (PROJECTION X-Y PLANE)

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

REVIEWED SLS | DATE 8-02
STRUCTURE FILE NUMBER 5300916 OH 10385 WV
DESIGNED DLJ | DRAWN JLS | CHECKED JF | REVISED

STAY CABLE GEOMETRY (4)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

5/16/2006 7:27:51 AM
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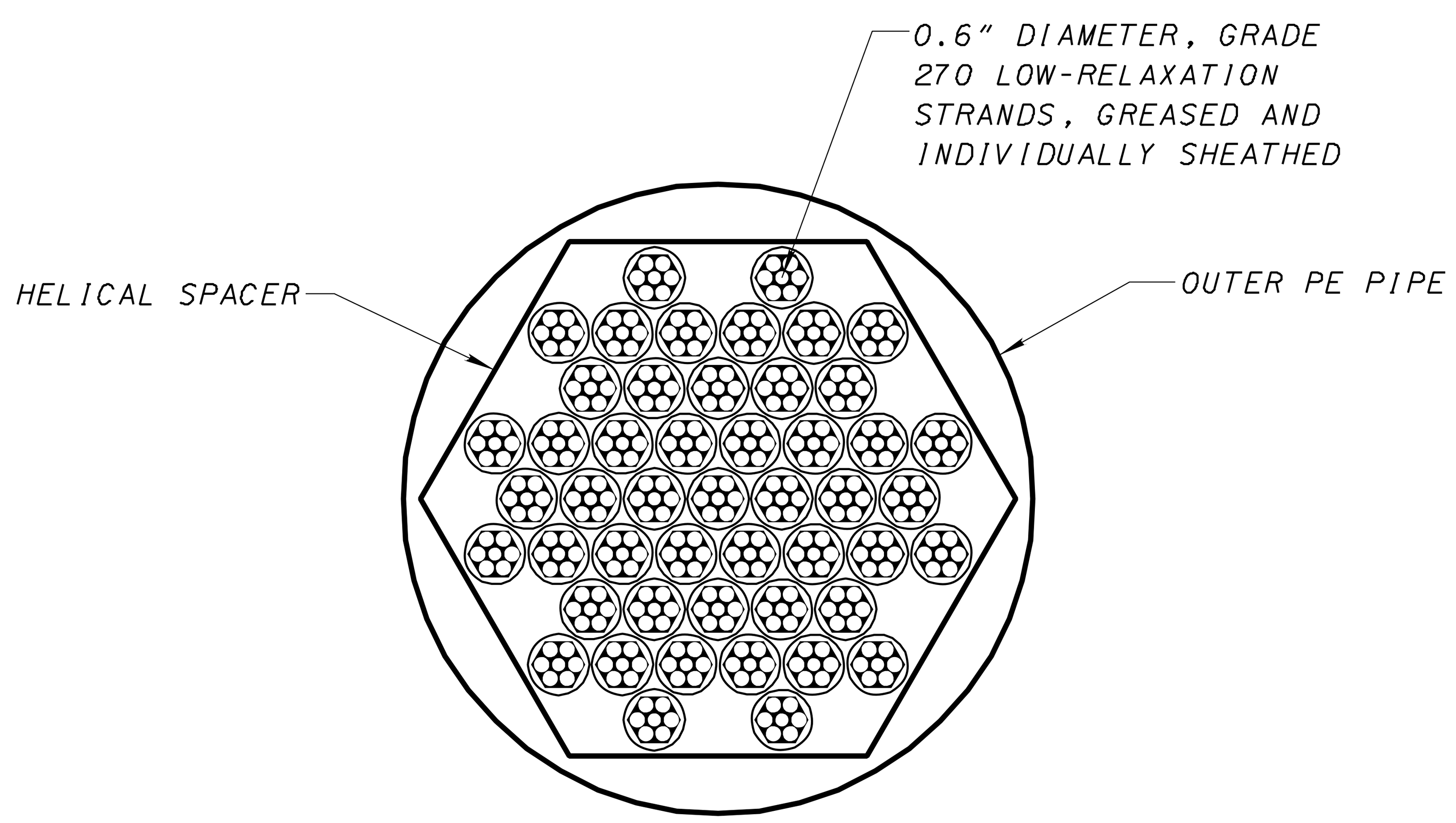
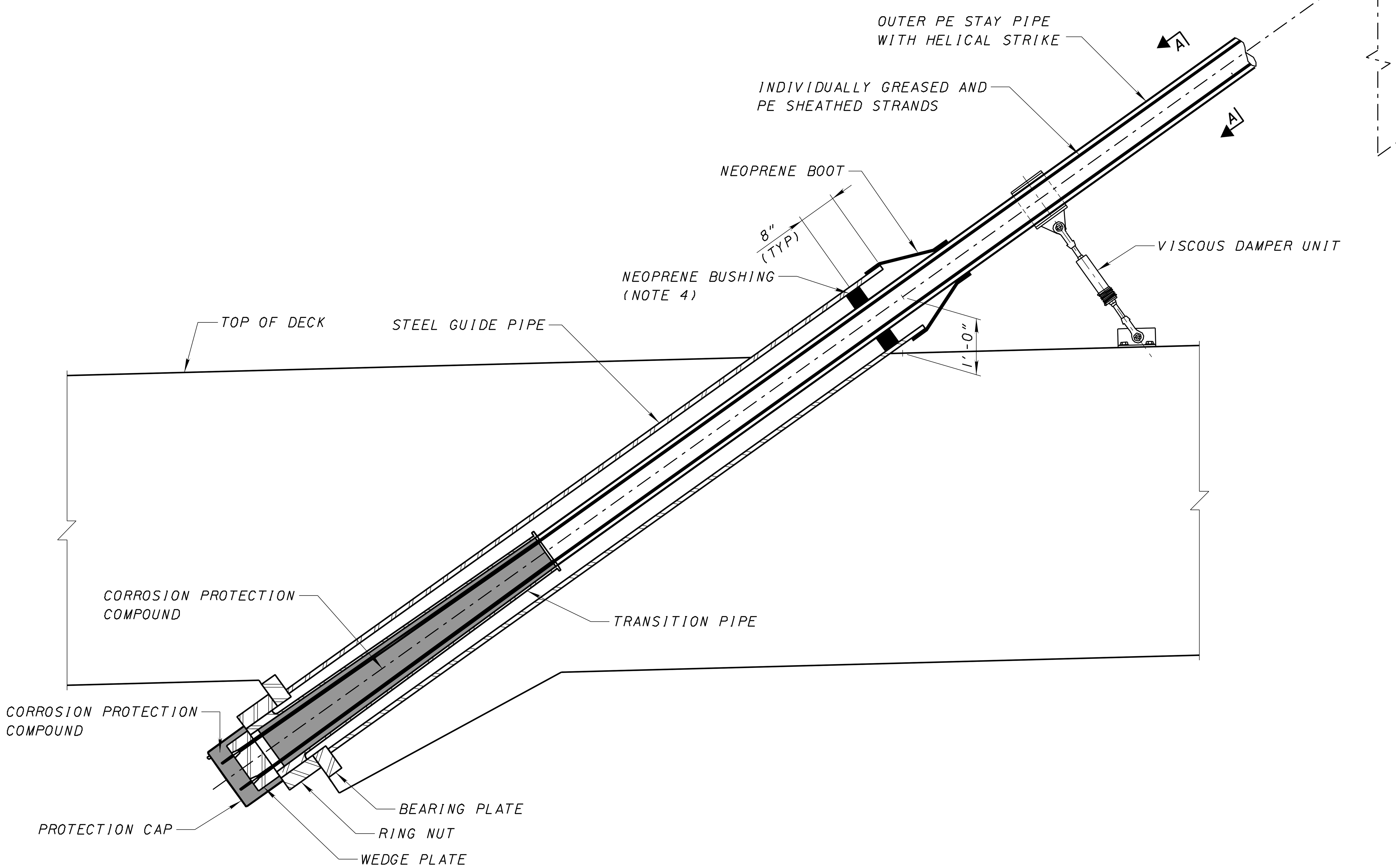
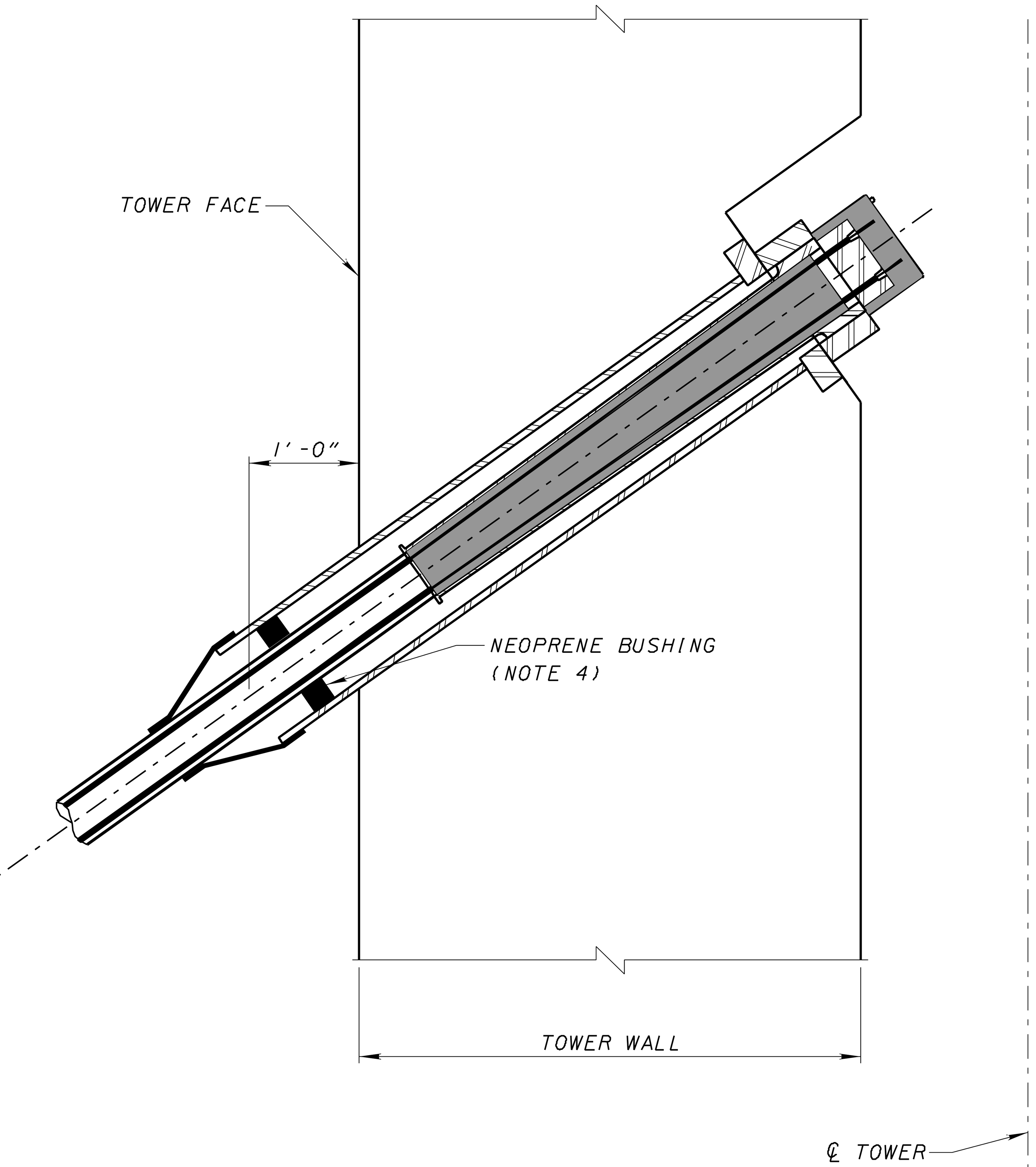


SECTION A-A



CONNECTION AT DECK



CONNECTION AT TOWER

STAY CABLE LAYOUT

NOTES

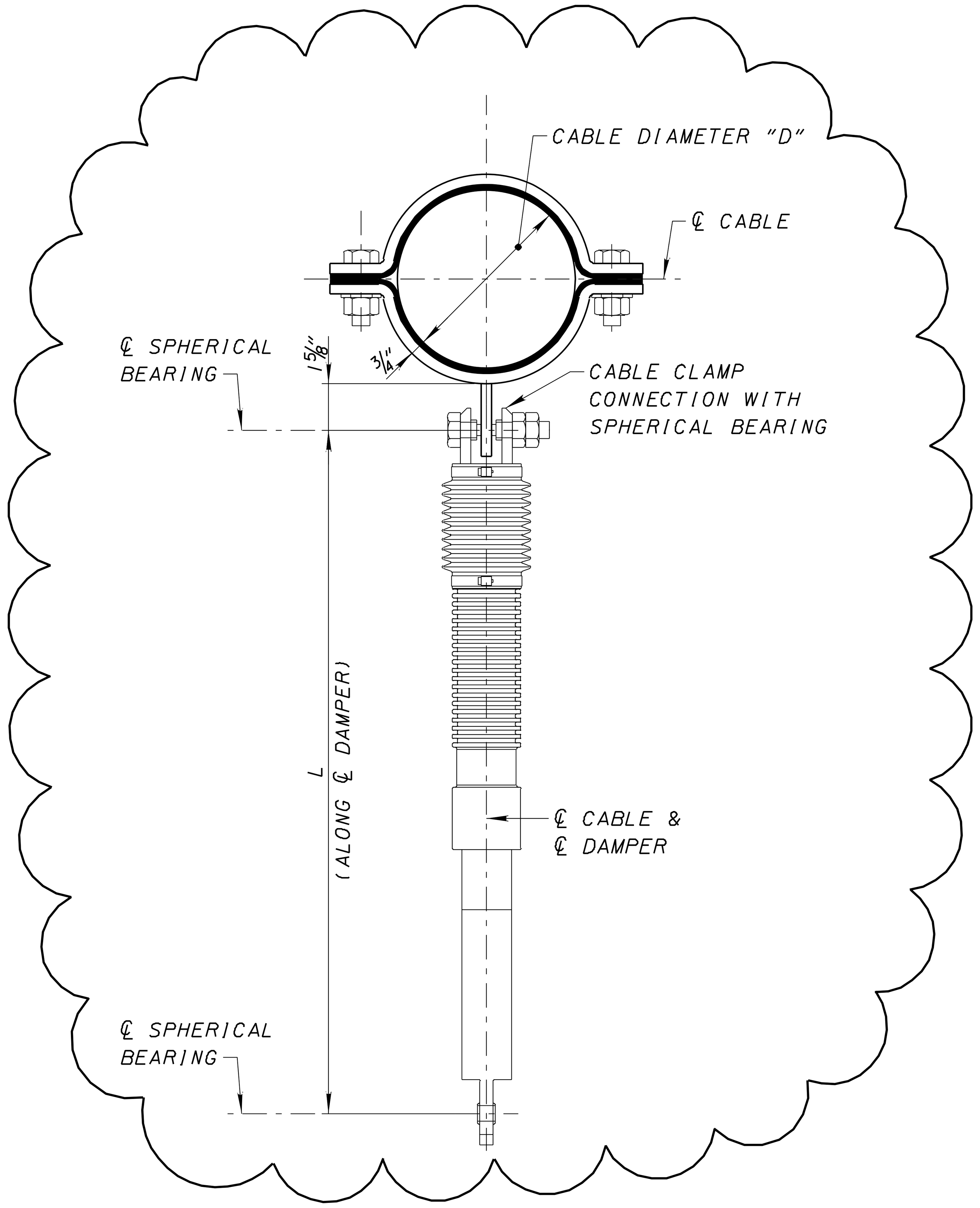
1. STAY CABLE DETAILS ARE SCHEMATIC. SEE SPECIAL PROVISIONS FOR DETAIL REQUIREMENTS.
2. STAY CABLE SYSTEM CONSISTS OF 0.6" DIAMETER GRADE 270 LOW-RELAXATION STRANDS GREASED AND INDIVIDUALLY SHEATHED IN AN UNGROUTED PE SHEATH.
3. THREADS FOR JACKING AND FOR CAP SCREWS TO BE THOROUGHLY FILLED WITH A CORROSION PROTECTING COMPOUND AFTER INSTALLATION.
4. NEOPRENE BUSHING SHALL BE PROVIDED WITH A POSITIVE ATTACHMENT TO THE GUIDE PIPE TO PREVENT MOVEMENT.

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

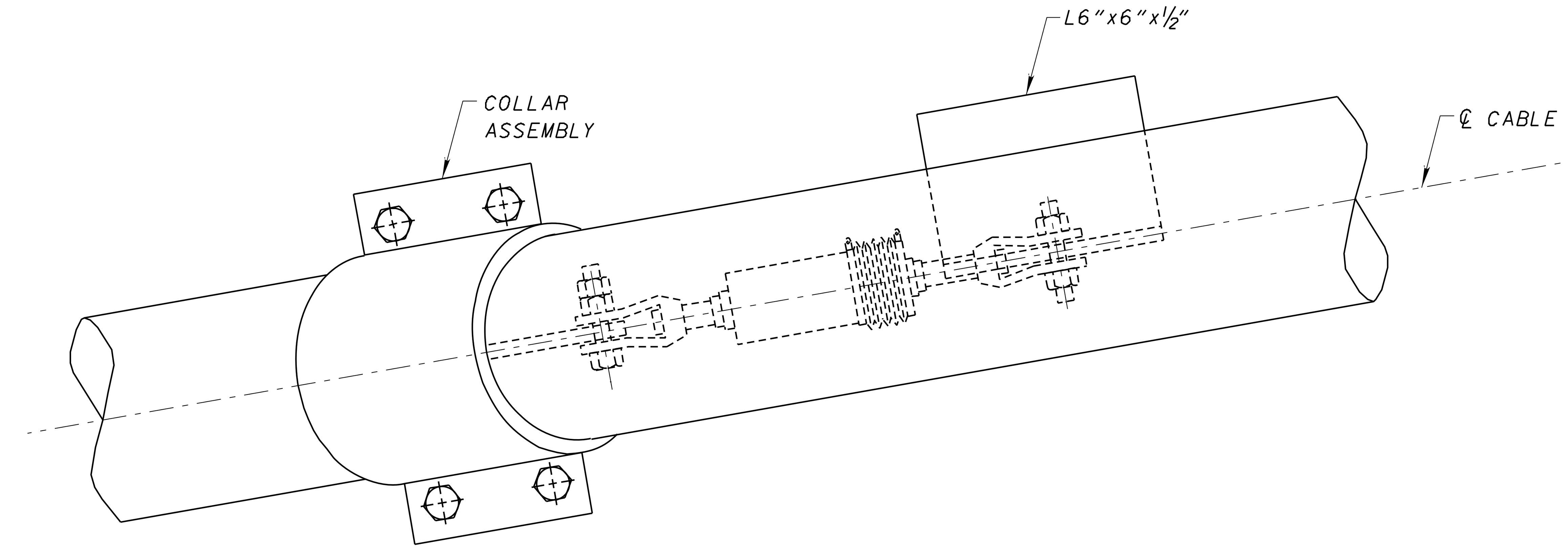
DESIGNED	DRAWN	REVIEWED	DATE
DLJ	CER	SLS	8-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
RJB		5300916 OH 10385 WV	

STAY CABLE DETAILS (1)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

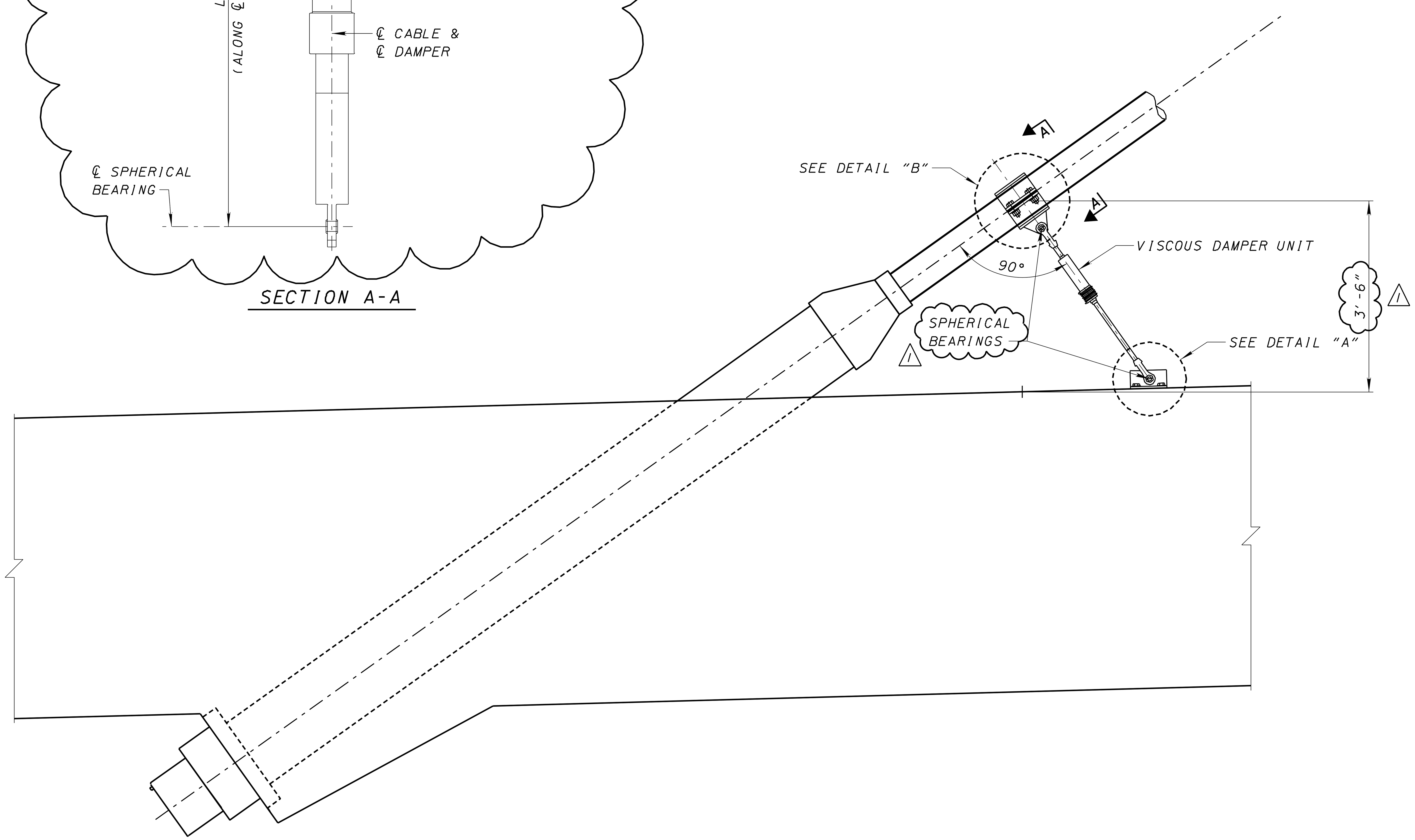
MEG-33-15.70



SECTION A-A

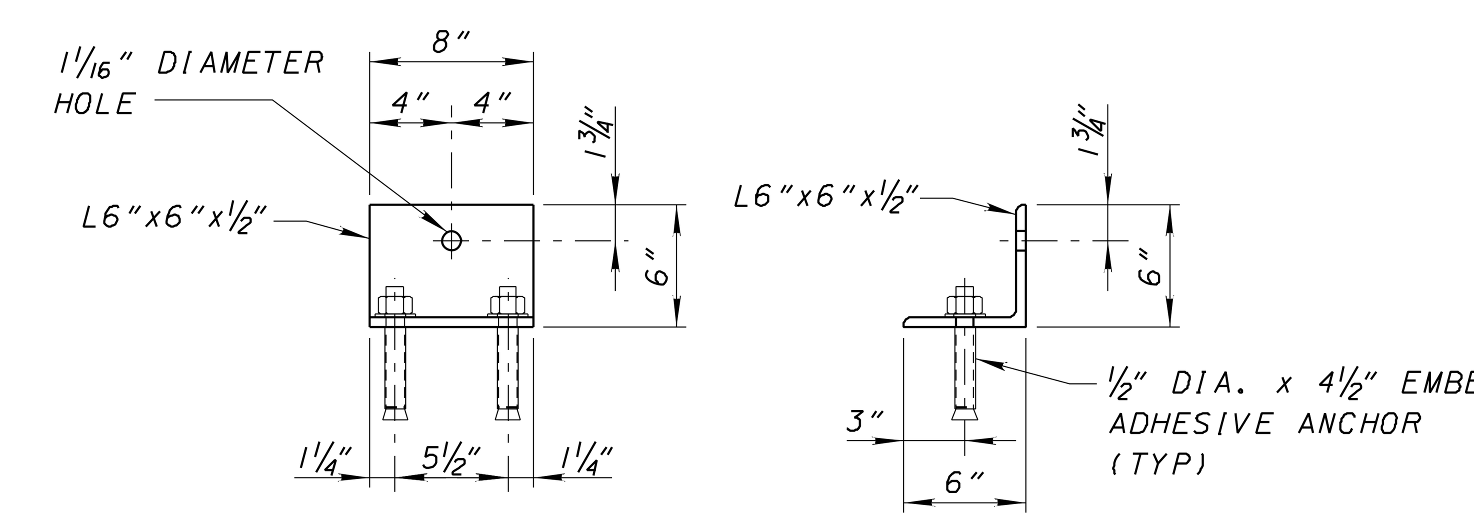


PLAN - CABLE DAMPER LAYOUT

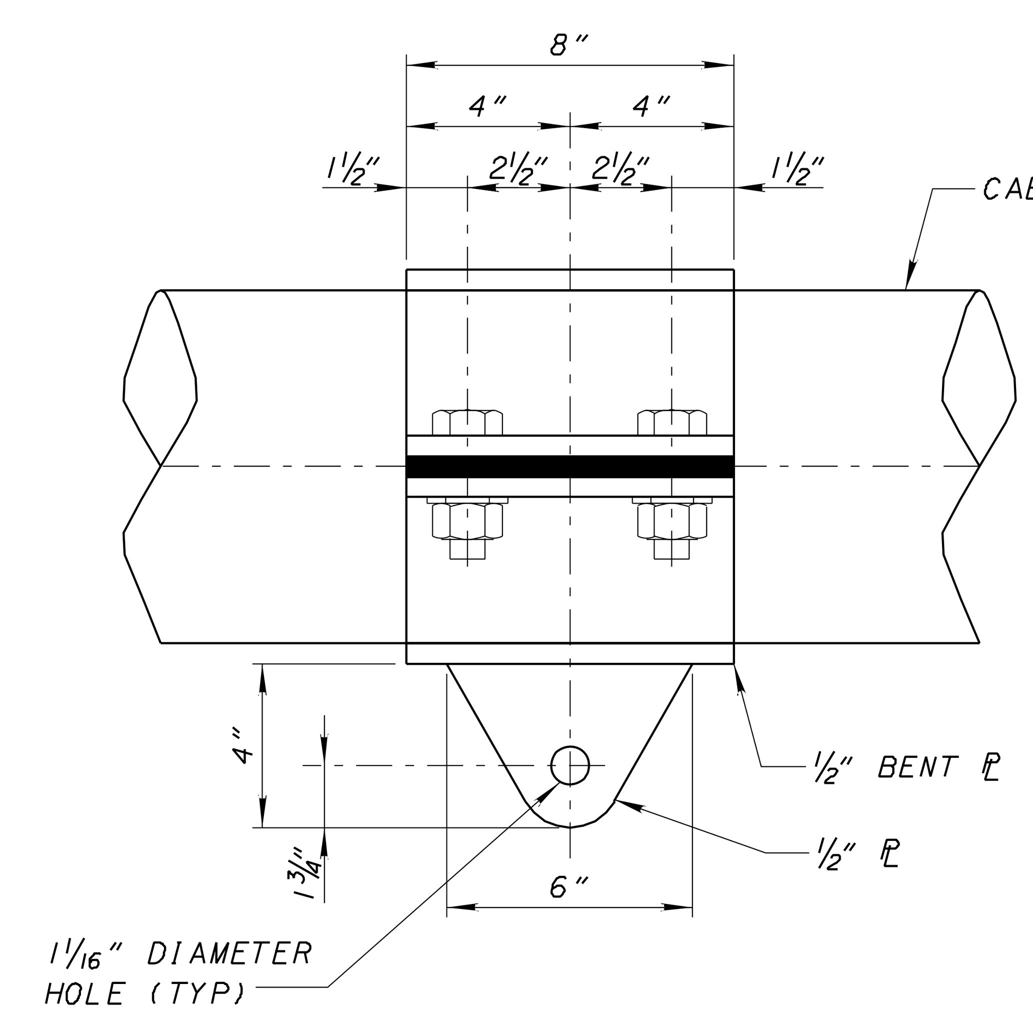


STAY DAMPER

(SECTION ALONG CABLE PLANE)



DETAIL "A"



DETAIL "B"

(COLLAR ASSEMBLY)

NUMBER	REVISION	DATE	BY
1	AS-BUILT	6-09	DLJ

DESIGN AGENCY

BRW HAZELET & ERDAL

A URS COMPANY (513) 651-3440

36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED DLJ | CHECKED RJB | DRAWN AMH | REVISED | REVIEWED SLS | DATE 8-02

STRUCTURE FILE NUMBER 5300916 OH 10385 WV

STAY CABLE DETAILS (2)

BRIDGE NO. MEG-33-1570

POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

8/3/2009 11:08:38 AM

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STAY CABLE NUMBER	DAMPER CONSTANT LB/(FT/SEC)	DAMPER MAXIMUM FORCE (LB)	DAMPER MAXIMUM DISP. (IN)	DAMPER MAXIMUM VELOCITY (FT/SEC)	AVERAGE POWER DISSIPATION (HP)
B12	2500	4642	2.18	1.66	0.63
B11	2000	3365	1.72	1.43	0.44
B10	2250	3413	1.42	1.29	0.40
B9	2000	3010	1.29	1.25	0.36
B8	1750	2635	1.17	1.22	0.32
B7	1750	2581	1.06	1.19	0.31
B6	1500	2227	0.95	1.15	0.28
B5	1250	1893	0.84	1.11	0.25
B4	1000	1581	0.74	1.08	0.22
B3	750	1187	0.50	0.92	0.17
B2	750	1191	0.49	0.92	0.17
B1	500	909	0.33	0.82	0.14
M1	500	898	0.31	0.80	0.13
M2	500	979	0.54	0.96	0.16
M3	750	1231	0.58	0.97	0.18
M4	1000	1587	0.78	1.09	0.22
M5	1250	2161	1.24	1.33	0.32
M6	1500	2593	1.45	1.40	0.37
M7	1500	2722	1.76	1.48	0.40
M8	1750	3084	1.75	1.48	0.43
M9	2000	3534	1.90	1.52	0.48
M10	2000	3794	2.40	1.65	0.59
M11	2000	3631	2.37	1.57	0.61
M12	2500	4215	2.54	1.49	0.82
M24	2500	4244	2.55	1.50	0.82
M23	2000	3656	2.38	1.58	0.61
M22	2000	3823	2.41	1.66	0.59
M21	2000	3534	1.90	1.52	0.48
M20	1750	3085	1.75	1.48	0.43
M19	1500	2724	1.76	1.48	0.40
M18	1500	2595	1.46	1.40	0.37
M17	1250	2163	1.25	1.33	0.32
M16	1000	1588	0.78	1.09	0.22
M15	750	1230	0.58	0.97	0.18
M14	500	977	0.53	0.95	0.16
M13	500	898	0.31	0.80	0.13
B13	500	908	0.33	0.82	0.14
B14	750	1194	0.50	0.92	0.17
B15	750	1188	0.50	0.92	0.17
B16	1000	1582	0.75	1.08	0.22
B17	1250	1891	0.83	1.11	0.25
B18	1500	2224	0.94	1.15	0.28
B19	1750	2577	1.06	1.19	0.31
B20	1750	2635	1.17	1.22	0.32
B21	2000	3011	1.29	1.26	0.36
B22	2250	3420	1.44	1.30	0.40
B23	2500	4257	1.87	1.50	0.54
B24	2750	5263	2.37	1.73	0.72

NOTES

1. STAY CABLE DAMPER SHALL BE DOUBLE-ACTING FLUID VISCOUS DAMPER. DAMPERS TO BE INSTALLED IN A NEUTRAL MID-STROKE POSITION. SEE SPECIAL PROVISIONS.

2. COST OF DAMPERS, HARDWARE AND INSTALLATION SHALL BE INCLUDED IN THE LUMP SUM PRICE FOR STAY CABLES.

3. ALL MATERIALS SHALL BE ASTM A709, GRADE 36 STEEL UNLESS NOTED OTHERWISE. DAMPER SUPPORT BRACKET COMPONENTS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A123.

4. AN INTERNAL PACKING SHIM TO BE PROVIDED IN THE STAY CABLE OUTER P.E. SHEATH AT THE LOCATION OF THE COLLAR ASSEMBLY.

5. DAMPER SHALL BE PLACED DIRECTLY IN THE PLANE OF THE CABLE.

6. VISCOUS DAMPERS WERE DESIGNED ASSUMING A NON-LINEAR DAMPING BEHAVIOR. THE DAMPERS WERE ASSUMED TO HAVE A LINEAR VISCOUS DAMPING COMPONENT IN ADDITION TO THE EFFECTS OF A NON-ZERO DAMPER FRICTION. DAMPER SHALL HAVE A MAXIMUM STATIC FRICTION OF 500 LBS. THE ACTUAL STATIC FRICTION SHALL BE INCORPORATED INTO THE BEHAVIOR OF THE DAMPER.

7. CABLE DAMPING DEVICES OTHER THAN THE PROPOSED NONLINEAR VISCOUS DAMPERS MAY BE UTILIZED WITH APPROVAL OF THE ENGINEER. ALL DAMPING DEVICES SHALL BE CAPABLE OF PROVIDING A SCRUTON NUMBER GREATER THAN 10 IN THE FIRST 5 MODES OF VIBRATION FOR OSCILLATION AMPLITUDES (AT THE ANTINODAL LOCATION) BETWEEN ONE-TENTH OF A DIAMETER AND THREE STAY DIAMETERS. IF THE FUNDAMENTAL FREQUENCY OF ANY OF THE FIRST FIVE MODES IS HIGHER THAN 3 Hz FOR A GIVEN STAY, THEN THE SCRUTON-NUMBER CRITERION ABOVE NEED ONLY BE SATISFIED FOR THOSE MODES WITH FREQUENCIES BELOW 3 Hz.

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED DLJ | DRAWN AMH | REVIEWED SLS | DATE 8-02
CHECKED RJB | REVISED | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

STAY CABLE DETAILS (3)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

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CABLE SIZE, FORCE AND STRESS SCHEDULE

CABLE NUMBER	NUMBER OF STRANDS	CABLE WEIGHT (lbs/ft)	ANCHOR PLATE WIDTH (in)	ANCHOR PLATE THICKNESS (in)	Guide Pipe Outer Diameter (in)	PERMANENT LOADS INITIAL (kips)	PERMANENT LOADS FINAL (kips)	LIVE LOAD + IMPACT LANE MAX (kips)	LIVE LOAD + IMPACT LANE MIN (kips)	LIVE LOAD + IMPACT TRUCK MAX (kips)	LIVE LOAD + IMPACT TRUCK MIN (kips)	THERMAL (kips)	DL + LL + I MAX (kips)	DL + LL + I MIN (kips)	DL + LL + I STRESS (ksi)	DL + LL + I + T MAX (kips)	DL + LL + I + T STRESS (ksi)	HS-20 :TR FATIGUE STRESS (ksi)
B12	55	50	24.5	3.50	16.50	1123.3	1123.6	311.3	-96.8	112.7	-49.8	58.8	1435	1027	120.2	1494	125.2	10.9
B11	37	36	22.5	3.25	14.00	814.4	814.3	160.8	-35.5	58	-17.9	26.5	975	779	121.5	1002	124.8	7.6
B10	31	31	19.0	2.50	12.75	710.2	709.3	102.5	-13.9	34.4	-6.6	14.4	813	695	120.8	827	123.0	4.9
B9	31	31	19.0	2.50	12.75	691.9	690.5	80.9	-6.9	25.8	-3.8	8.8	773	684	114.9	782	116.2	3.5
B8	31	31	19.0	2.50	12.75	666.0	664.7	69.4	-3.1	36.1	-1.9	4.2	735	662	109.3	740	109.9	4.5
B7	31	31	19.0	2.50	12.75	636.2	635.9	60.7	-1	43.4	-0.6	0.8	697	635	103.6	698	103.7	5.2
B6	31	31	19.0	2.50	12.75	515.8	517.0	63.2	-9.8	48.1	-3.2	1.5	580	506	86.2	582	86.5	6.1
B5	31	31	19.0	2.50	12.75	511.6	514.2	69.5	-21.8	51.2	-7.1	2.7	584	490	86.8	586	87.2	6.9
B4	31	31	19.0	2.50	12.75	487.7	490.6	73.1	-29.5	53.8	-9.3	4.1	564	458	83.8	568	84.4	7.5
B3	22	24	16.0	2.00	11.75	465.4	466.1	52.8	-24.2	40.1	-7.2	4.6	519	441	108.7	524	109.7	7.9
B2	22	24	16.0	2.00	11.75	368.2	364.4	51.3	-26.3	41.3	-9.5	7.8	419	338	87.9	427	89.5	8.5
B1	22	24	16.0	2.00	11.75	469.4	457.2	46.1	-25.8	40.5	-11.3	13.4	515	431	108.0	529	110.8	8.7
M1	19	21	15.0	2.00	10.50	430.2	418.6	55.3	-12.4	47.2	-8.5	12.2	486	406	117.8	498	120.7	10.8
M2	19	21	15.0	2.00	10.50	309.4	306.0	69.2	-11.9	55.3	-7.2	5.5	379	294	91.8	384	93.2	12.1
M3	19	21	15.0	2.00	10.50	417.8	418.7	72.9	-9.7	54.1	-4.6	2.9	492	408	119.2	495	119.9	11.4
M4	22	24	16.0	2.00	11.75	453.9	457.6	84	-8.9	58.1	-3.2	2.3	542	445	113.5	544	113.9	10.3
M5	31	31	19.0	2.50	12.75	466.3	473.4	115.7	-9.9	75.5	-4.1	3.9	589	456	87.6	593	88.2	9.5
M6	31	31	19.0	2.50	12.75	497.5	505.2	113.4	-6.7	71.5	-3.1	4.2	619	491	92.0	623	92.6	8.9
M7	31	31	19.0	2.50	12.75	491.3	497.3	111	-3.2	68.4	-1.4	3.2	608	488	90.4	612	90.9	8.3
M8	31	31	19.0	2.50	12.75	623.0	625.7	109.7	-2.8	64.7	-1.7	1.9	735	620	109.3	737	109.6	7.9
M9	31	31	19.0	2.50	12.75	689.7	689.0	109.5	-6.1	59.5	-3.6	4.7	799	683	118.8	804	119.5	7.5
M10	37	36	22.5	3.25	14.00	720.7	716.6	129.2	-13.3	64.1	-7.1	10.3	850	703	105.9	860	107.1	7.1
M11	37	36	22.5	3.25	14.00	801.2	793.9	128.4	-22.6	59	-10.1	18.4	930	771	115.8	948	118.1	6.9
M12	43	40	23.5	3.25	16.00	840.9	827.9	150	-43.3	66.8	-18.3	32.1	991	785	106.2	1023	109.6	7.3
M24	43	40	23.5	3.25	16.00	833.2	815.5	143.7	-42.4	64.6	-19.5	31.7	977	773	104.7	1009	108.1	7.2
M23	37	36	22.5	3.25	14.00	799.9	787.9	124	-21.1	57.8	-9.2	18.9	924	767	115.1	943	117.4	6.7
M22	37	36	22.5	3.25	14.00	722.9	714.2	126.2	-11.7	63.6	-6.1	11.1	849	702	105.8	860	107.1	6.9
M21	31	31	19.0	2.50	12.75	692.8	689.0	108.2	-5.1	59.6	-3.1	5.3	801	684	119.1	806	119.9	7.5
M20	31	31	19.0	2.50	12.75	625.8	626.9	109.6	-2.2	65.1	-1.4	2.6	736	624	109.5	739	109.9	7.9
M19	31	31	19.0	2.50	12.75	492.5	498.8	112.4	-4	69.1	-1.6	2.5	611	489	90.9	614	91.2	8.4
M18	31	31	19.0	2.50	12.75	496.9	506.2	115.1	-7.6	72.2	-3.1	3.2	621	489	92.4	624	92.8	9.0
M17	31	31	19.0	2.50	12.75	464.8	474.3	116.7	-10.7	75.9	-4.2	2.6	591	454	87.9	594	88.2	9.5
M16	22	24	16.0	2.00	11.75	452.9	459.0	83.8	-9.7	58	-3.6	2.7	543	443	113.7	545	114.3	10.3
M15	19	21	15.0	2.00	10.50	417.2	420.9	71.7	-10.8	53.5	-4.2	6.1	493	406	119.5	499	120.9	11.2
M14	19	21	15.0	2.00	10.50	310.2	309.9	67	-14.2	54.1	-6.3	13.4	377	296	91.5	391	94.7	11.7
M13	19	21	15.0	2.00	10.50	424.5	414.9	53.2	-15.4	46	-7.3	24.1	478	399	115.9	502	121.7	10.3
B13	22	24	16.0	2.00	11.75	485.1	464.6	42.8	-16.1	39.4	-9.7	20.9	528	448	110.6	549	114.9	8.2
B14	22	24	16.0	2.00	11.75	372.2	365.1	47.9	-17.5	40.2	-8.3	13.3	420	348	88.0	433	90.8	8.1
B15	22	24	16.0	2.00	11.75	468.1	468.5	50.7	-18.8	39.5	-6.4	7.3	519	449	108.8	527	110.3	7.7
B16	31	31	19.0	2.50	12.75	487.6	491.8	71.9	-26.4	53.7	-8.8	4.8	564	461	83.8	569	84.5	7.4
B17	31	31	19.0	2.50	12.75	509.9	514.0	69.5	-21.8	51.6	-7.5	2.1	584	488	86.7	586	87.1	7.0
B18	31	31	19.0	2.50	12.75	515.5	518.2	63.7	-11.7	48.5	-4	1.6	582	504	86.5	584	86.7	6.2
B19	31	31	19.0	2.50	12.75	638.4	638.9	58.6	-0.7	43.5	-0.6	0.1	697	638	103.7	698	103.7	5.2
B20	31	31	19.0	2.50	12.75	669.5	667.5	66.6	-2	35.5	-1.2	3.1	736	666	109.4	739	109.9	4.4
B21	31	31	19.0	2.50	12.75	695.5	690.9	77.8	-5.5	24.5	-3.1	7.4	773	685	115.0	781	116.1	3.3
B22	31	31	19.0	2.50	12.75	709.2	702.2	100.9	-13.7	35.3	-8.5	12.7	810	688	120.4	823	122.3	5.2
B23	43	40	23.5	3.25	16.00	873.3	860.0	187	-42.9	69.7	-25	27.7	1060	817	113.6	1088	116.6	8.1
B24	61	55	25.0	3.50	16.50	1148.8	1124.1	347.3	-110.8	129.6	-62.5	59.5	1496	1013	113.0	1556	117.5	11.6

NOTES

1. STAY ANCHORAGE PLATES AS ASSUMED FOR DESIGN ARE SHOWN. ACTUAL ANCHOR PLATES SHALL BE DESIGNED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL. ANCHORAGE PLATES AT TOWER AND DECK ANCHORAGES HAVE BEEN DESIGNED ASSUMING NO SPIRAL REINFORCEMENT.

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED DLJ | CHECKED RJB | DRAWN CER | REVISED | REVIEWED SLS | DATE 8-02 | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

STAY CABLE SCHEDULE AND FORCES
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

164/243

494/582

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BEARING SEAT ELEVATIONS		
LOCATION	LEFT BEARING	RIGHT BEARING
PIER 6	602.386	602.386
PIER 7	603.900	600.509

(LOOKING STATIONS AHEAD)

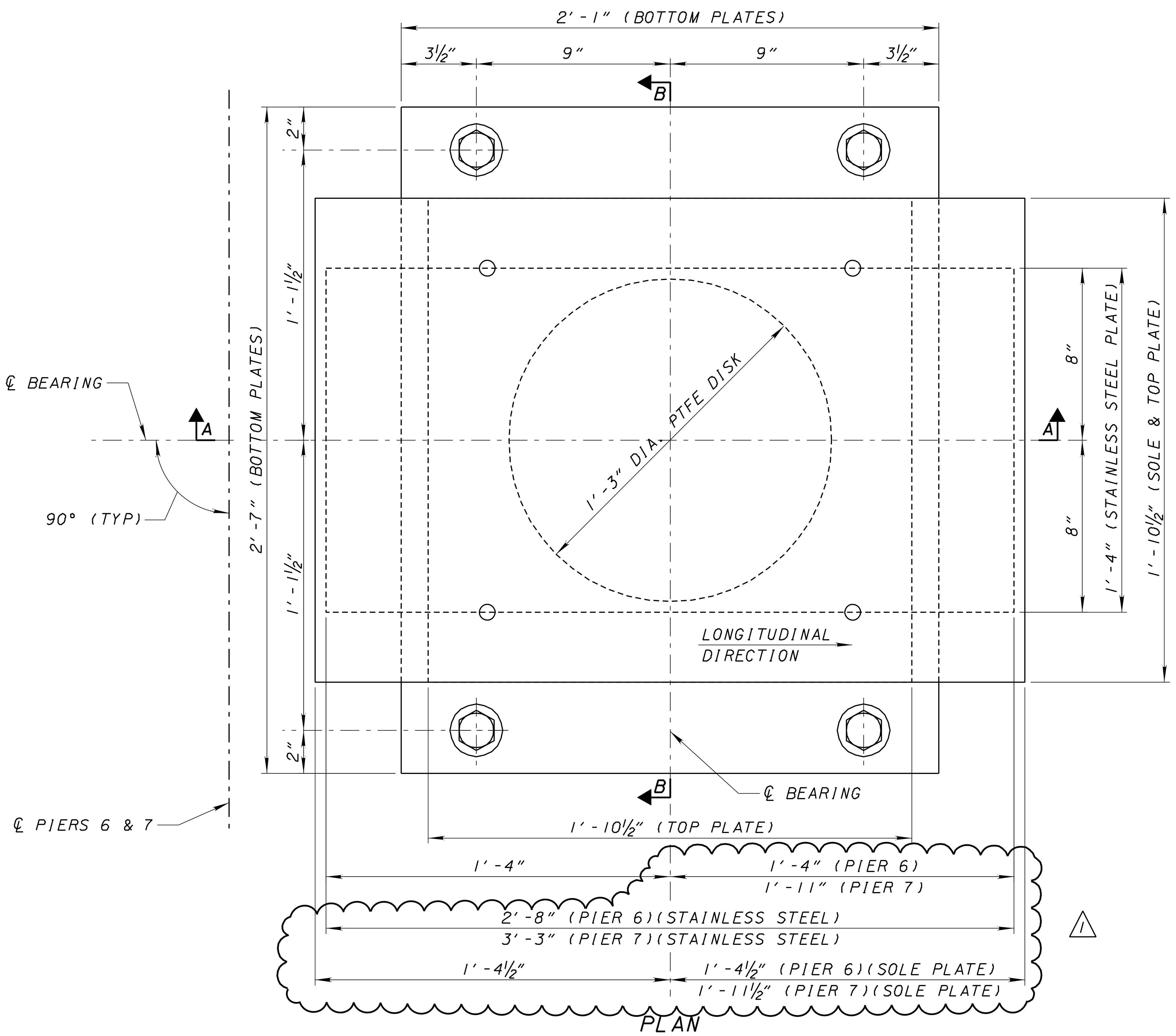
BEARING LOAD TABLE (kips)					
LOCATION	DEAD LOAD	MAX. LIVE LOAD	MIN. LIVE LOAD	MAX. TOTAL LOAD	MIN. TOTAL LOAD
PIER 6	513	198	-242	740	238
PIER 7	520	208	-268	760	215

(UNFACTORED LOADS PER BEARING)

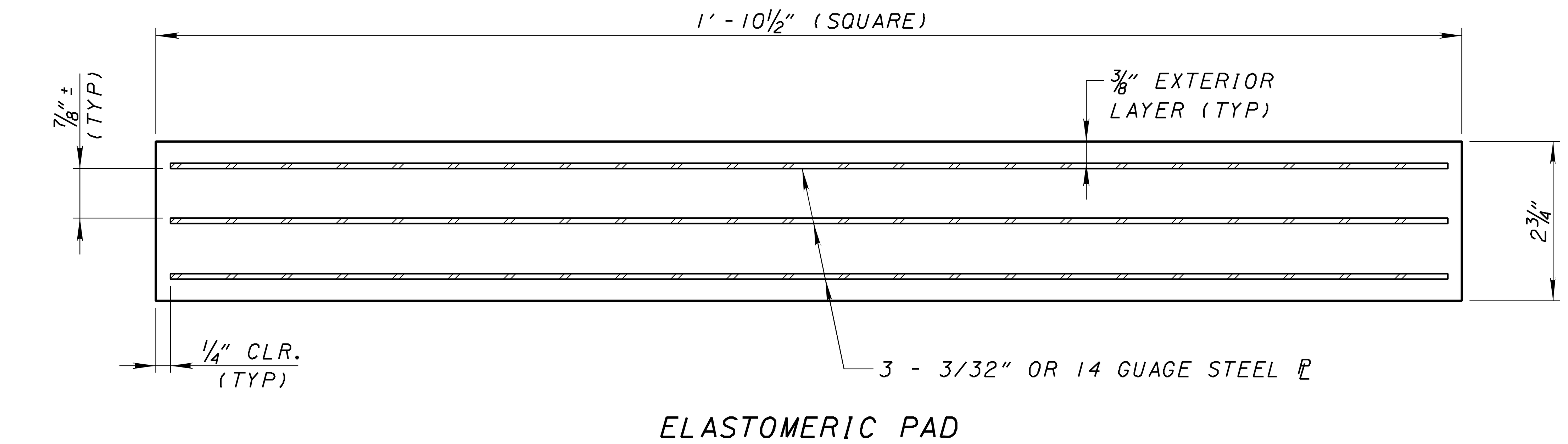
BEARING MOVEMENTS (inch)									
LOCATION	PERMANENT	SUBSTRUCTURE MOVEMENT	THERMAL		LIVE LOAD		TOTAL		
			CONTRACTION	EXPANSION	CONTRACTION	EXPANSION	CONTRACTION	EXPANSION	
PIER 6	2 1/8	0	2 1/16	-1 5/16	1 9/16	-1/2	5 3/4	-1 13/16	
PIER 7	3 3/16	-6 3/4	4 1/2	-2 7/8	11/16	-1 3/16	8 3/8	-10 13/16	

NOTES

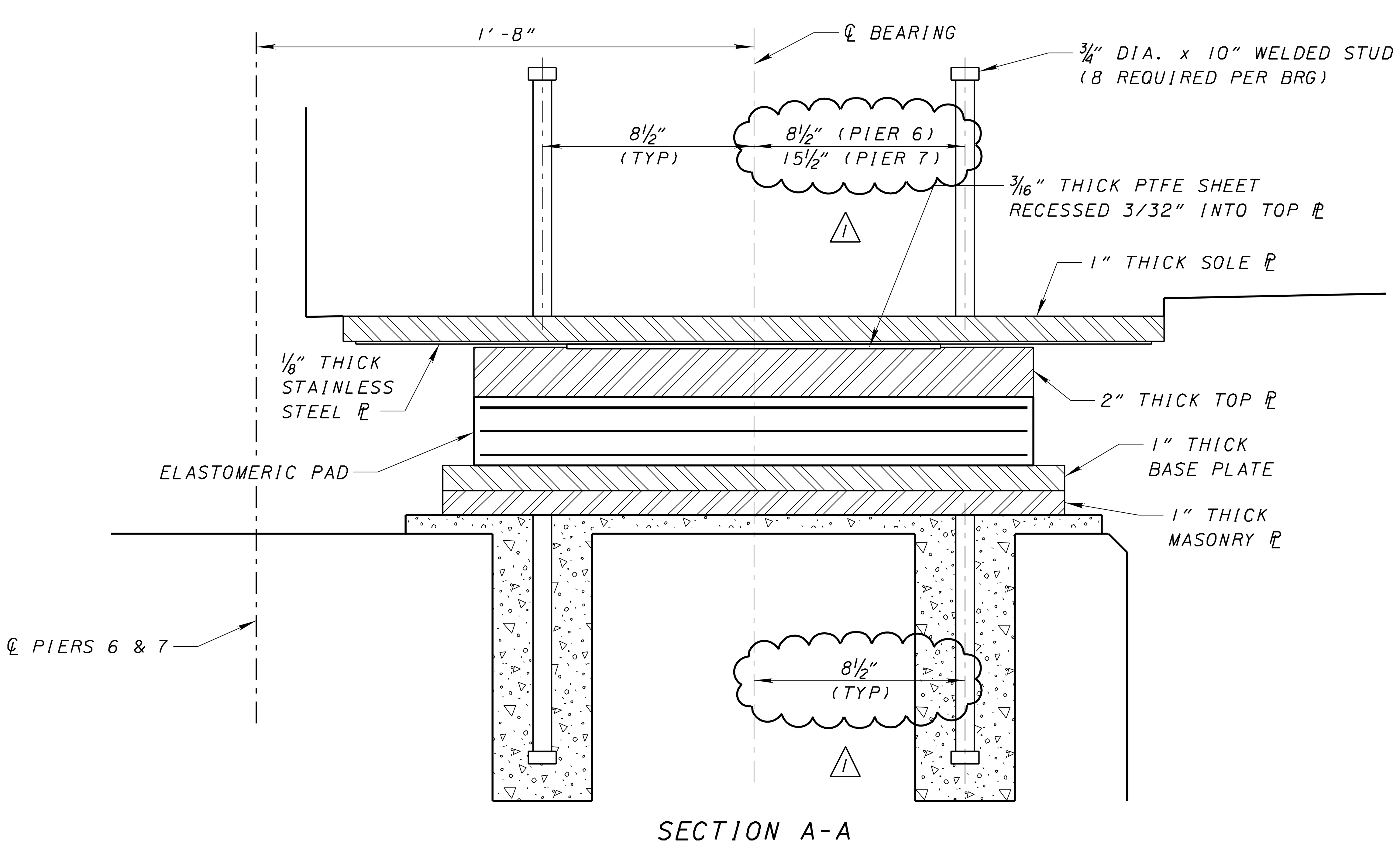
1. ALL STEEL LOAD PLATES SHALL BE A709 GRADE 50 METALIZED.
2. ALL ELASTOMER SHALL BE 60 DUROMETER HARDNESS.
3. ALL ELASTOMERIC PADS SHALL BE VULCANIZED TO TOP AND BASE PLATES.
4. ELASTOMER SHALL CONFORM TO AASHTO LOW TEMPERATURE GRADE 3.
5. WELDED STUD BLOCKOUTS SHALL BE FORMED WITH CORRUGATED GALVANIZED METAL THAT IS TO REMAIN IN PLACE OR A SMOOTH REMOVABLE FORM. BLOCKOUTS SHALL HAVE A MINIMUM DIAMETER OF 4". REINFORCING STEEL IN THE SUBSTRUCTURE SHALL BE ADJUSTED TO CLEAR BLOCKOUTS.
6. NUMBER OF BEARING UNITS REQUIRED FOR PIERS 6 AND 7 IS 4 TOTAL.
7. BEARINGS SHALL BE FABRICATED AND TESTED IN ACCORDANCE WITH THE SPECIAL PROVISIONS.
8. ELASTOMERIC BEARINGS SHALL COMPLY WITH ITEM 516 AND AASHTO STANDARD SPECIFICATION FOR HIGHWAY BRIDGES, SECTION 18, BEARING DEVICES, DIVISION II, CONSTRUCTION, ARTICLES 18.4.5.1 AND 18.5.6.2. BEARINGS SHALL BE GRADE 3, 60 DUROMETER ELASTOMER, AND SHALL BE SUBJECT TO THE LOAD TESTING REQUIREMENTS DEFINED IN ARTICLE 18.7.4.5 OF THE AASHTO DOCUMENT LISTED ABOVE. BEARINGS WERE DESIGNED UNDER SECTION 14.6.5 OF SECTION 14, BEARINGS, DIVISION I, DESIGN. TESTING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE BEARINGS, EACH.



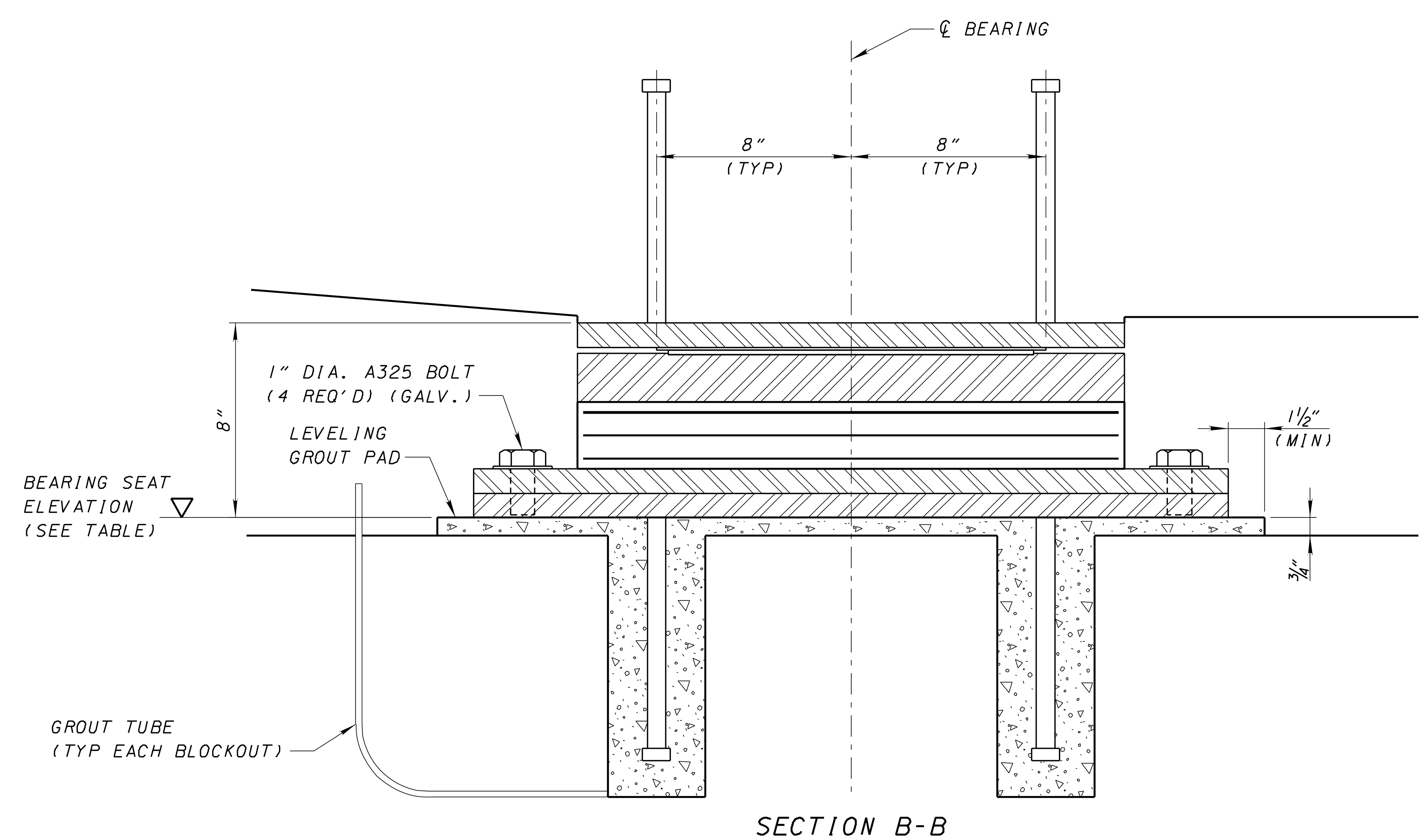
PLAN



ELASTOMERIC PAD



SECTION A-A



SECTION B-B

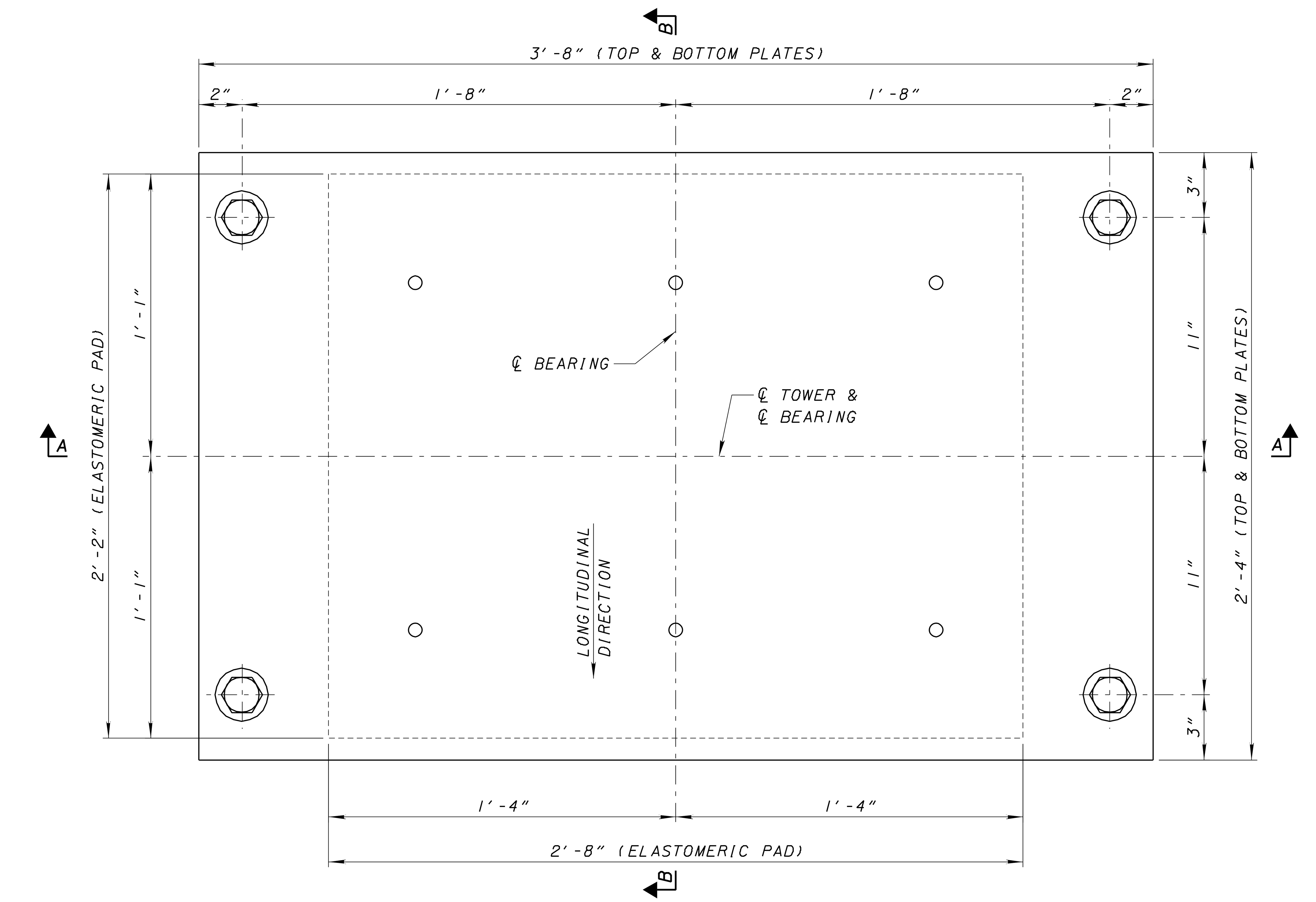
NUMBER	REVISION	DATE	BY
1	PIER 7 MODIFICATIONS	11-04	DLJ

DESIGN AGENCY: BRW HAZELET & ERDAL, A URS COMPANY, 36 EAST 7TH STREET, SUITE 2300, CINCINNATI, OHIO 45202

DESIGNED DLJ · CHECKED PS · DRAWN JBH · REVISED · REVIEWED SLS · DATE 8-02 · STRUCTURE FILE NUMBER 5300916 OH / 10385 WV

BEARING DETAILS - PIERS 6 AND 7
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70



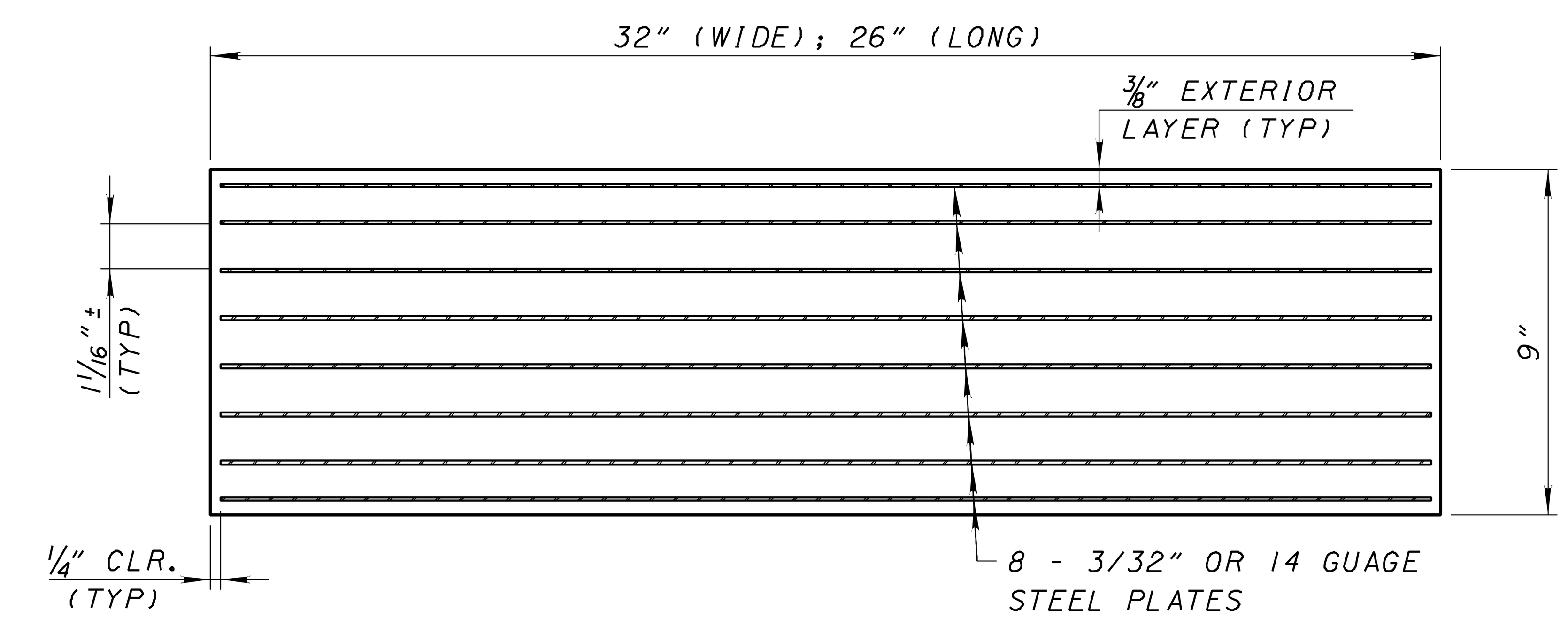
PLAN

BEARING LOAD TABLE (kips)			
LOCATION	DEAD LOAD	LIVE LOAD	TOTAL LOAD
WV TOWER	550.5	150	700.5
OH TOWER	550.5	150	700.5

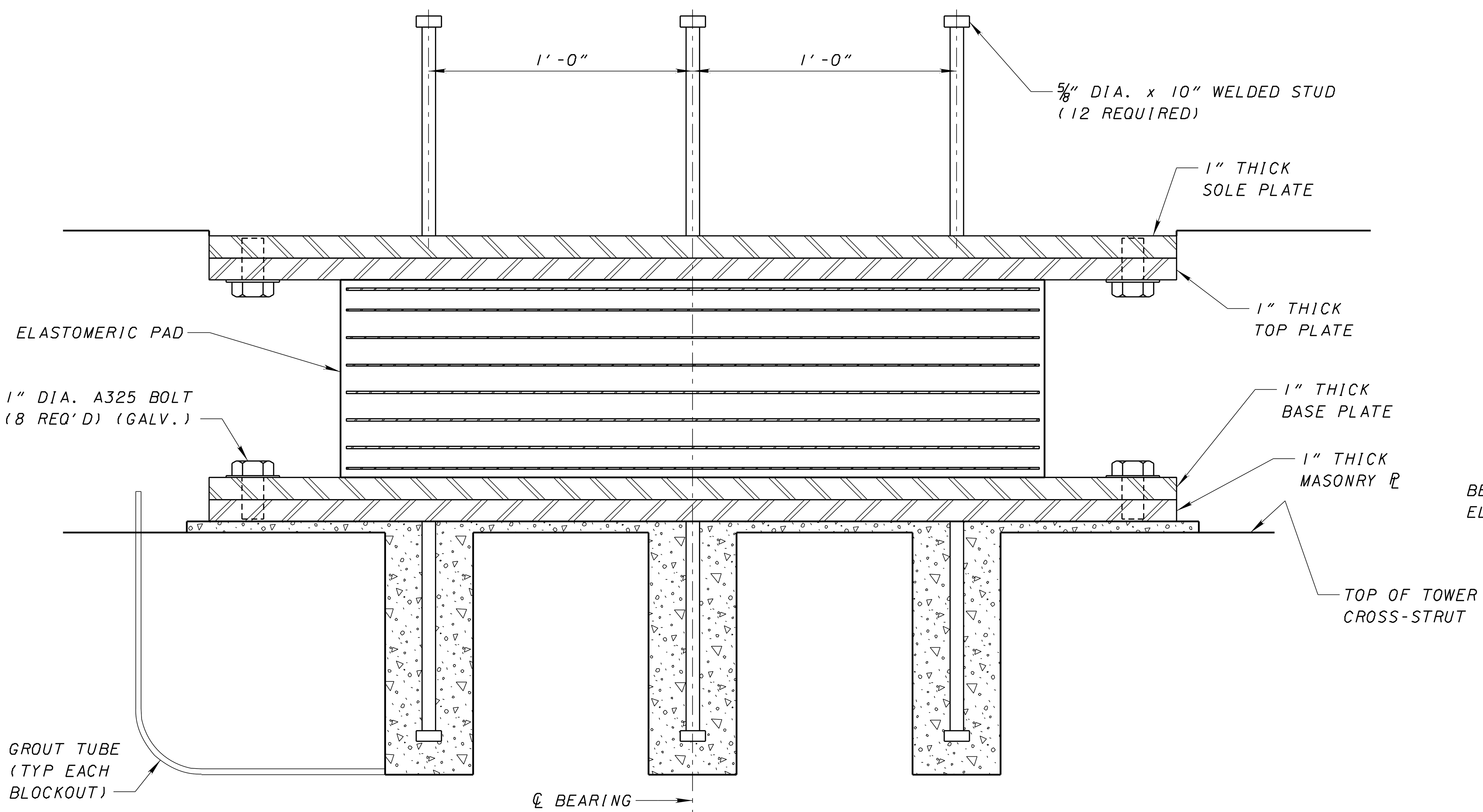
NOTES

1. NUMBER OF BEARING UNITS REQUIRED FOR OH TOWER AND WV TOWER IS 4 TOTAL.
2. SEE NOTES ON SHEET NO. 165/243 .

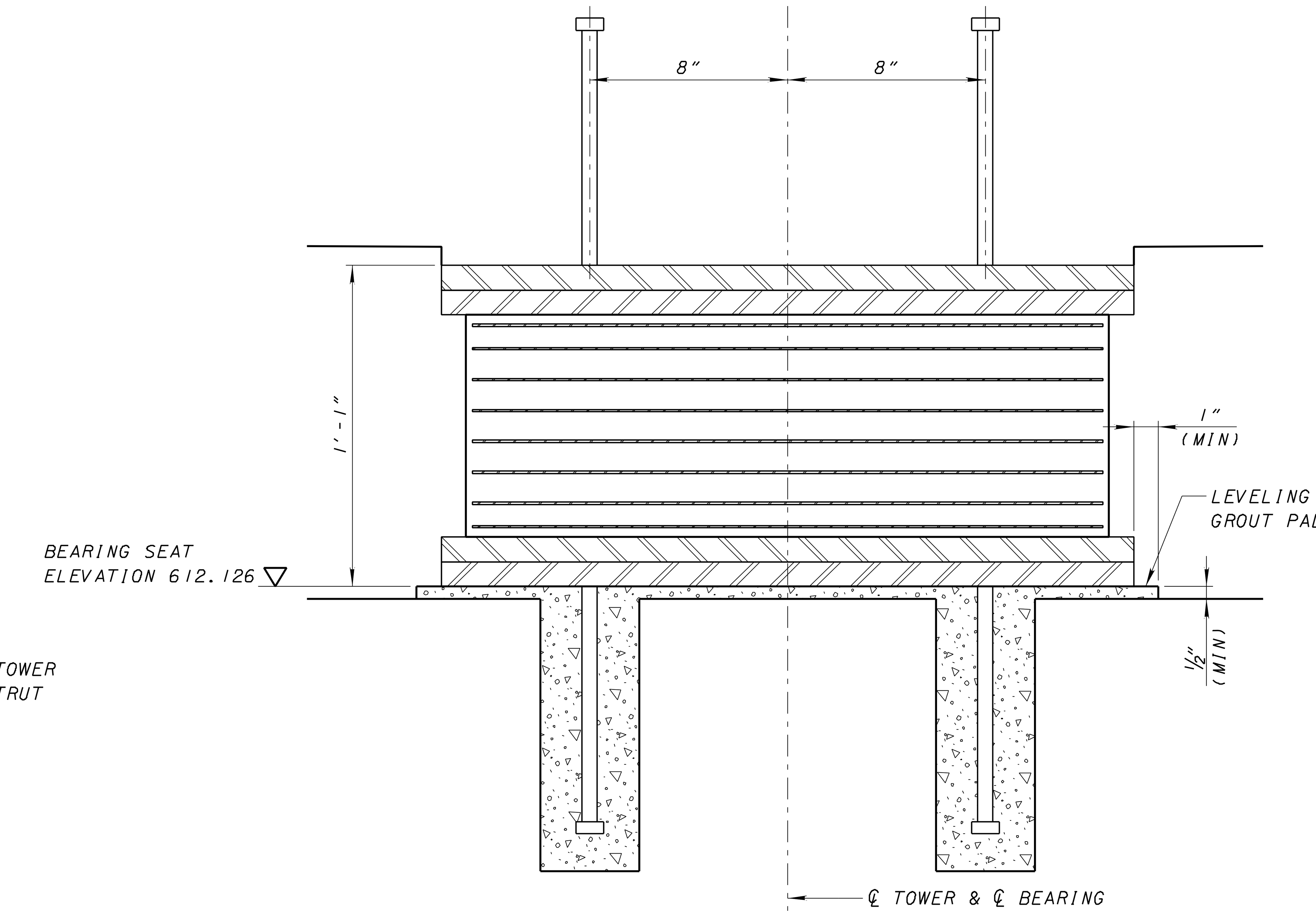
BEARING MOVEMENTS (inch)							
LOCATION	PERMANENT	THERMAL		LIVE LOAD		TOTAL	
		CONTRACTION	EXPANSION	CONTRACTION	EXPANSION	CONTRACTION	EXPANSION
WV TOWER	-	-	-	-	-	-	-
OH TOWER	0 15/16	2 3/4	-1 3/4	5/8	-2	4 1/2	-3 3/4



ELASTOMERIC PAD



SECTION A-A



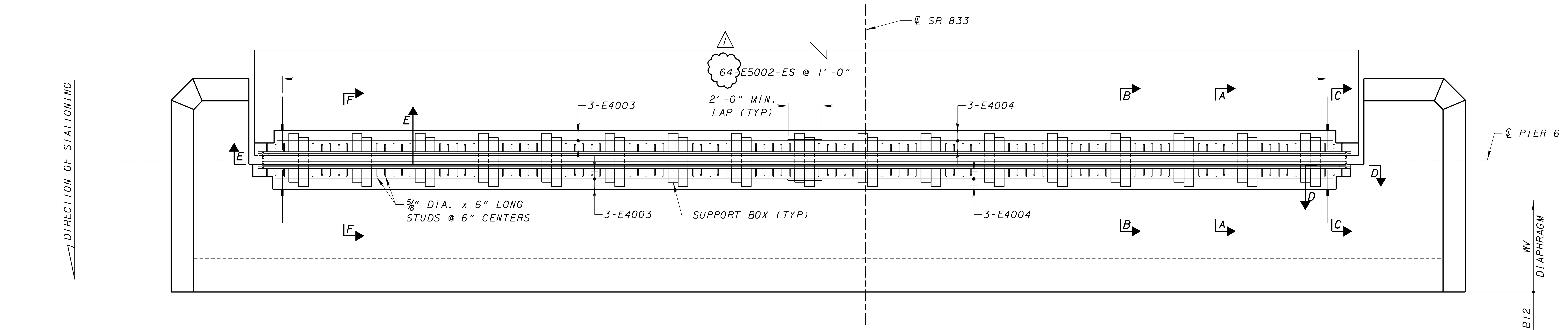
SECTION B-B

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED	CHECKED	DRAWN	REVISED	REVIEWED	STRUCTURE FILE NUMBER	DATE
BER	MJZ	JBH		SLS	5300916 OH 10385 WV	8-02

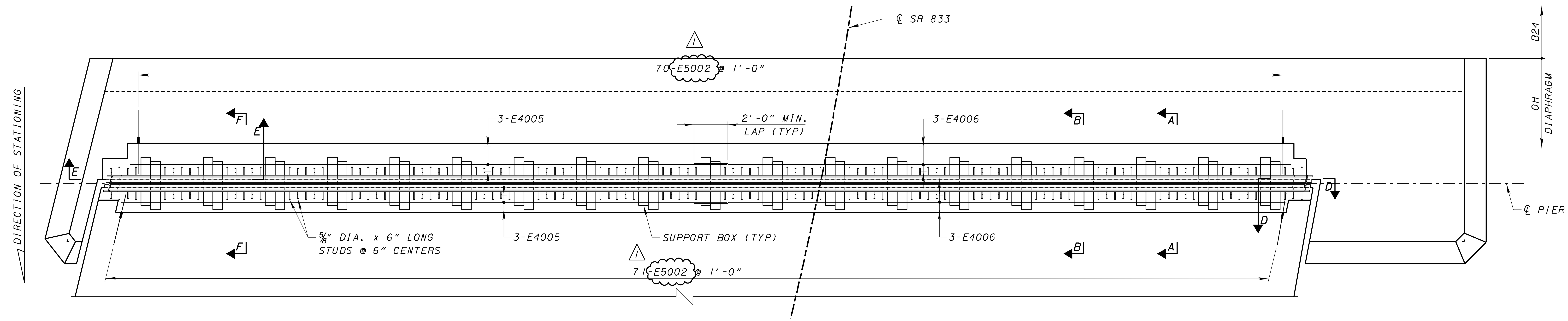
BEARING DETAILS - TOWERS
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70



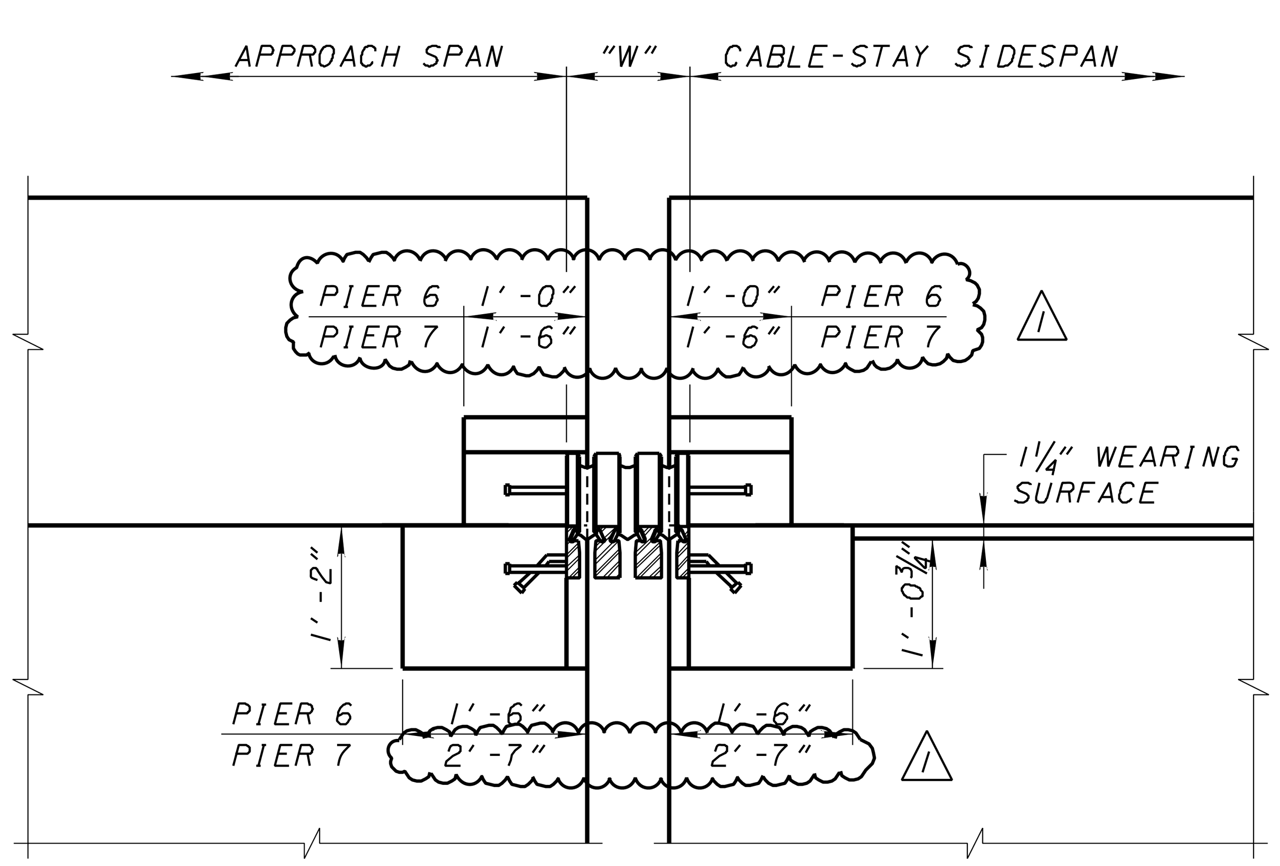
PLAN - PIER 6

(CONCRETE BARRIERS NOT SHOWN)

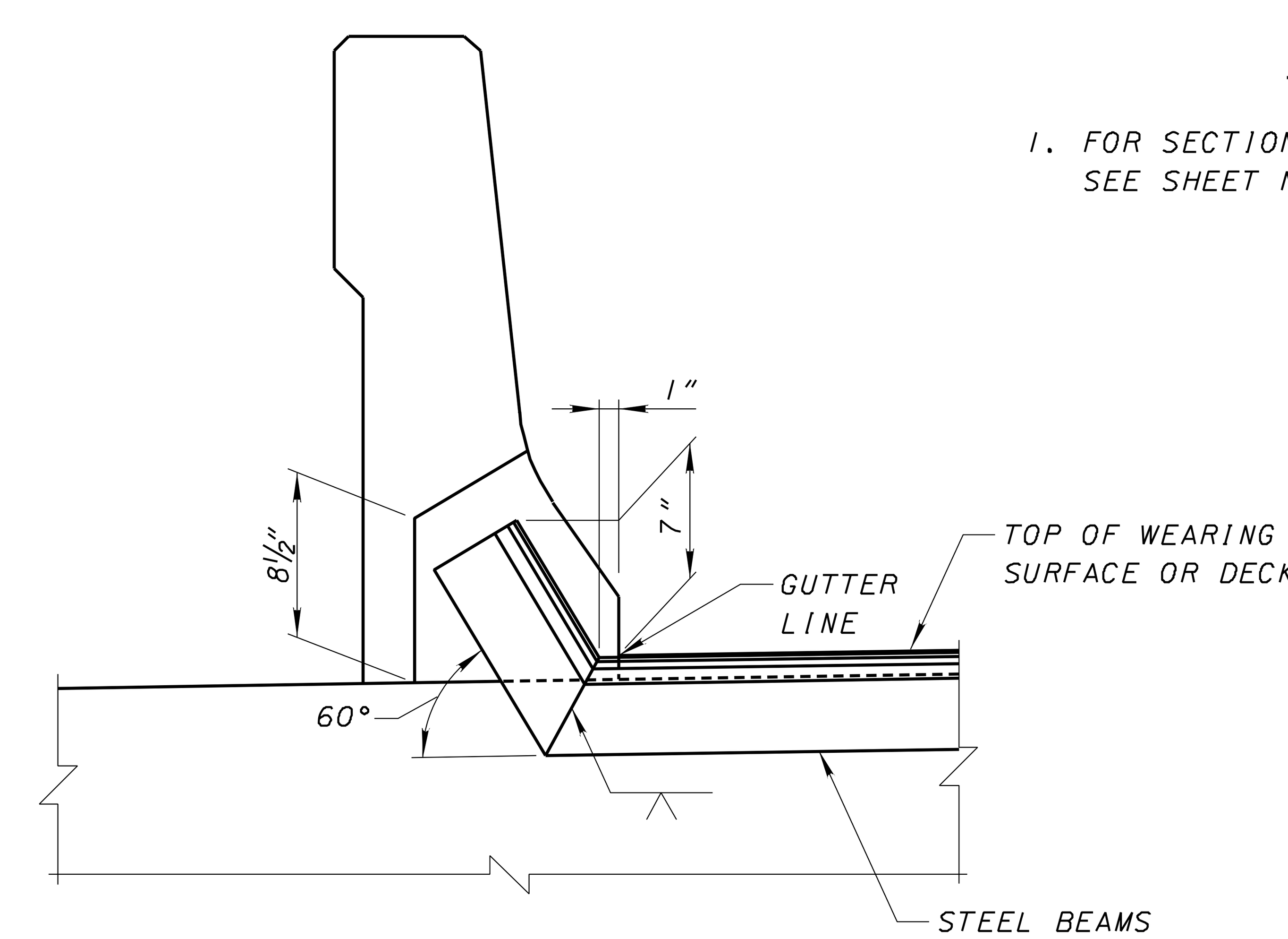


PLAN - PIER 7

(CONCRETE BARRIERS NOT SHOWN)



SECTION C-C



SECTION D-D

NOTES

1. FOR SECTIONS A-A, B-B, E-E AND F-F, SEE SHEET NO. 168/243.

NUMBER	REVISION	DATE	BY
1	PIER 7 MODIFICATIONS	11-04	DLJ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

REVIEWED SLS DATE 8-02
STRUCTURE FILE NUMBER 5300916 OH 10385 WV
DRAWN CER REVISED
DESIGNED DLJ CHECKED RJB

PIER 6 AND 7 EXPANSION JOINT DETAILS (1)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

167/243

497/582

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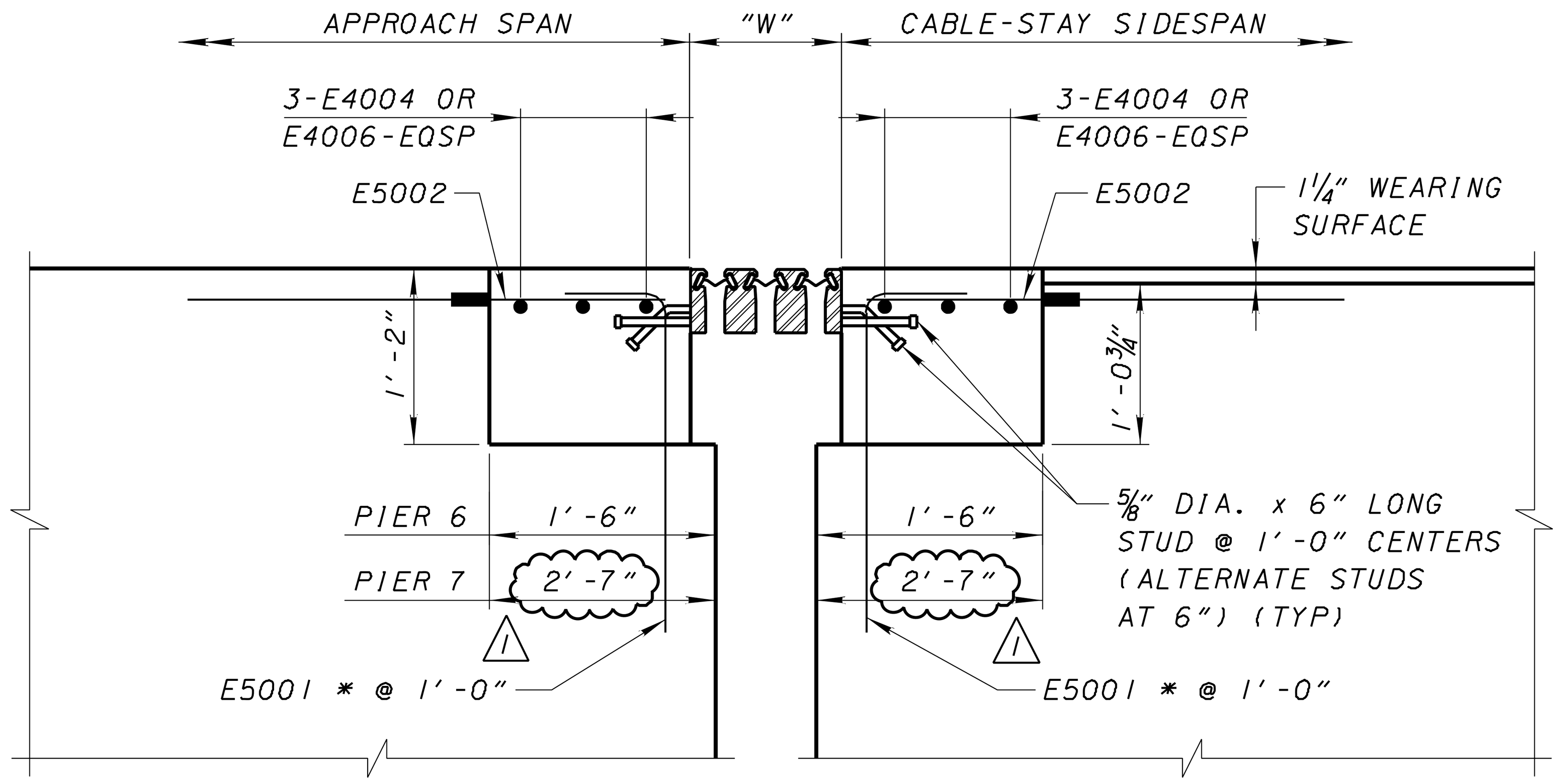
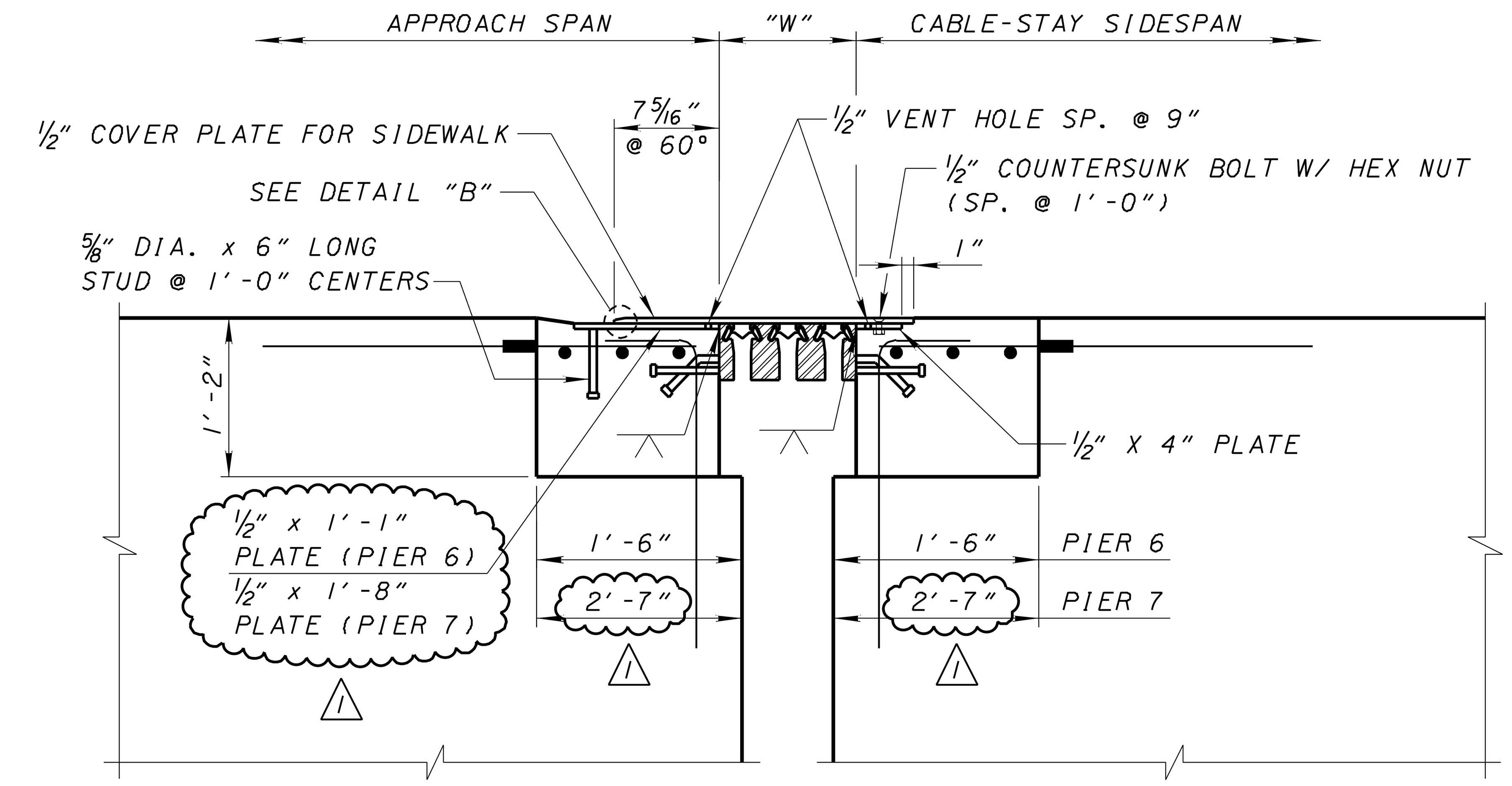


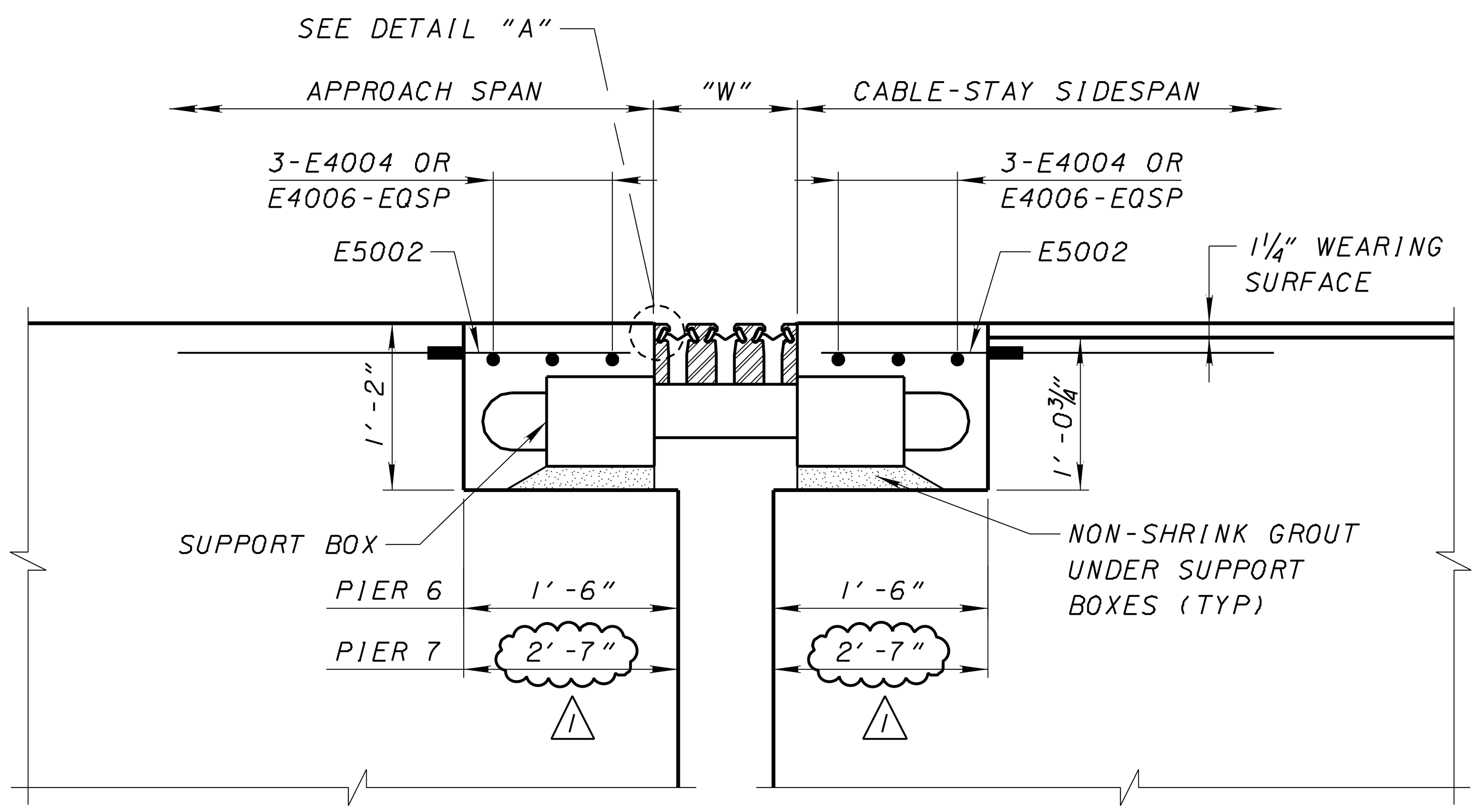
SECTION A-A

* E5001 SHALL BE POST-DRILLED AND EPOXY INSTALLED BETWEEN SUPPORT BOXES AFTER JOINT INSTALLATION.



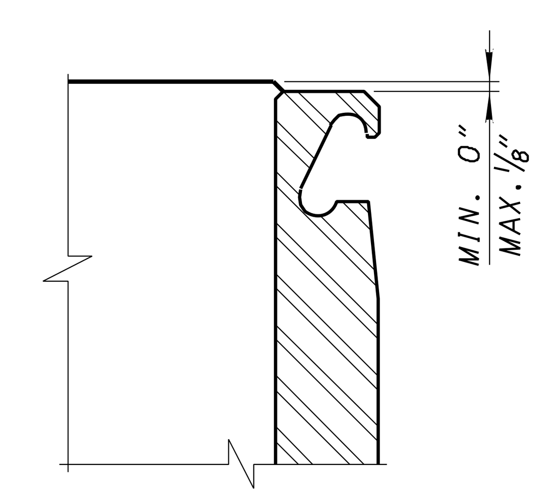
SECTION F-F

(MILD REINFORCEMENT SIMILAR TO SECTION A-A AND B-B)

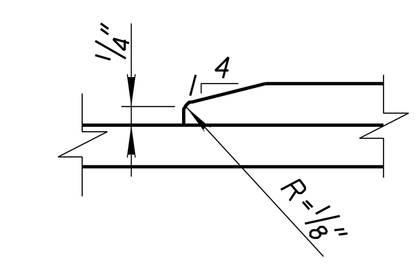


SECTION B-B

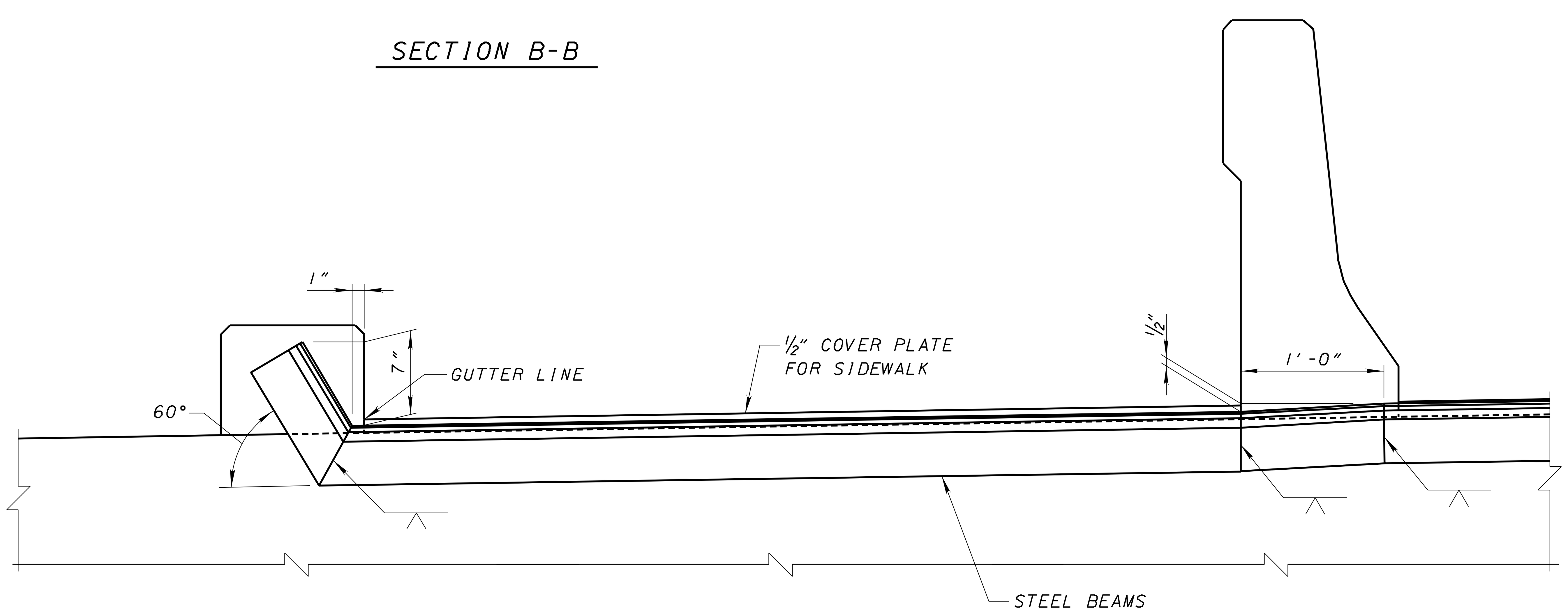
EXPANSION JOINT DATA					
LOCATION	DIMENSION "W" (IN.) @ 60°F	MIN	MAX	TEMP ADJUSTMENT (IN/ 10°F)	MIN. REQ'D SEAL MOVE. (IN.)
PIER 6	10½	8¾	15 9/16	3/16	7 3/16
PIER 7	26	15⅞	33 1/16	⅝	17 3/16



DETAIL "A"



DETAIL "B"



SECTION E-E

NOTES

1. MODULAR EXPANSION JOINTS SHALL FULLY COMPLY WITH THE SPECIAL PROVISIONS.
2. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS SHOWING:
   A. ALL DECK JOINT MATERIALS.
   B. PROPOSED METHOD OF INSTALLATION.
   C. MANUFACTURER AND MODEL NUMBER.
   D. ASSEMBLY WITH ALL SIZES AND DIMENSIONS SHOWN.
3. THE ELASTOMERIC SEAL SHALL BE SHOP INSTALLED IN ONE CONTINUOUS PIECE AND LIMITED TO A MAXIMUM OF THREE INCHES OF MOVEMENT PER SEAL.
4. COST OF REINFORCEMENT PLACED INTO EXPANSION JOINT BLOCK-OUT (BARS DENOTED WITH PREFIX "E") SHALL BE CONSIDERED INCIDENTAL TO EXPANSION JOINT SYSTEM.
5. FOR DETAILS OF EXPANSION JOINT PARAPET COVER PLATES, SEE SHEET NO. 175/243.
6. THE CONTRACTOR SHALL COORDINATE MODULAR EXPANSION JOINT BLOCKOUT DIMENSIONS FOR MODULAR ASSEMBLY USED, PRIOR TO POURING/CASTING OF CONCRETE.

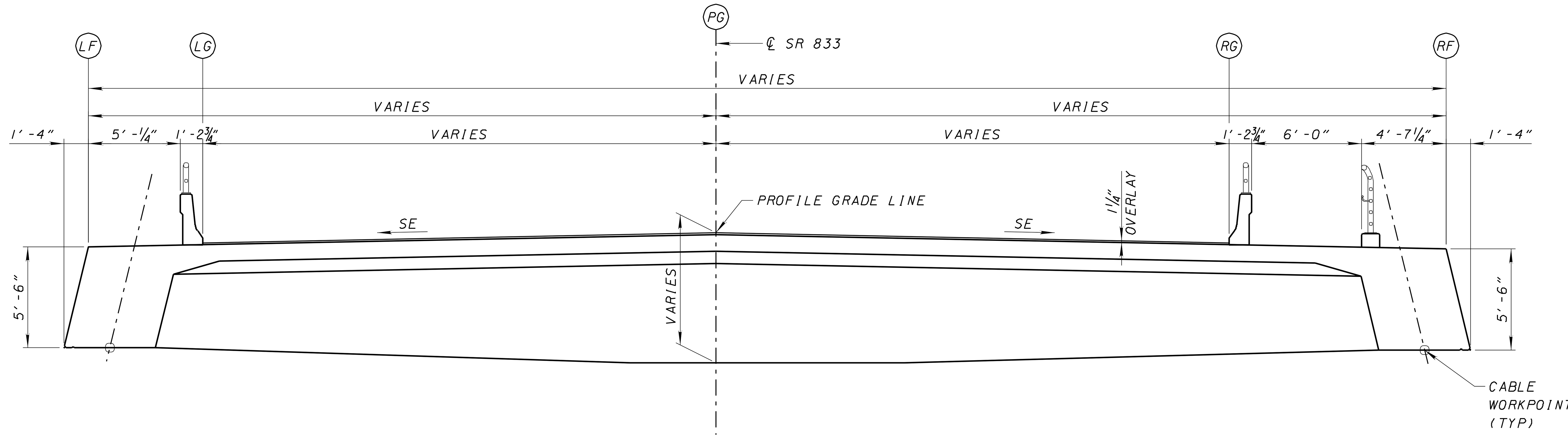
NUMBER	REVISION	DATE	BY
1	PIER 7 MODIFICATIONS	11-04	DLJ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED DLJ · CHECKED RJB · DRAWN CER · REVISED · REVIEWED SLS · DATE 8-02
STRUCTURE FILE NUMBER 5300916 OH 10385 WV

PIER 6 AND 7 EXPANSION JOINT DETAILS (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70



TYPICAL SECTION
(LOOKING STATIONS AHEAD)

Location/Description	LF	LG	PG	RG	RF
Exp. Joint/WV Diaphragm	613.05	613.28	613.84	613.28	612.94
WV Diaphragm/B12	613.25	613.48	614.04	613.48	613.14
B12/B11	613.72	613.95	614.51	613.95	613.61
B11/B10	614.19	614.42	614.98	614.42	614.08
B10/B9	614.66	614.89	615.45	614.89	614.55
B9/B8	615.14	615.37	615.93	615.37	615.03
B8/B7	615.60	615.83	616.39	615.83	615.49
B7/B6	616.04	616.27	616.83	616.27	615.93
B6/B5	616.47	616.70	617.26	616.70	616.35
B5/B4	616.88	617.10	617.66	617.10	616.76
B4/B3	617.27	617.50	618.06	617.50	617.16
B3/B2	617.65	617.87	618.43	617.87	617.53
B2/WV Pier Table	618.01	618.24	618.80	618.24	617.90
CL WV Tower	618.76	618.99	619.55	618.99	618.65
WV Pier Table/M2	619.43	619.66	620.22	619.66	619.32
M2/M3	619.83	620.06	620.62	620.06	619.72
M3/M4	620.19	620.42	620.98	620.42	620.08
M4/M5	620.52	620.75	621.31	620.75	620.41
M5/M6	620.82	621.05	621.61	621.05	620.71
M6/M7	621.08	621.31	621.87	621.31	620.97
M7/M8	621.30	621.53	622.09	621.53	621.19
M8/M9	621.49	621.72	622.28	621.72	621.38
M9/M10	621.64	621.87	622.43	621.87	621.53
M10/M11	621.76	621.99	622.55	621.99	621.65
M11/M12	621.84	622.07	622.63	622.07	621.73
M12/Closure Pour	621.89	622.12	622.68	622.12	621.77

Location/Description	LF	LG	PG	RG	RF
Closure Pour/M24	621.90	622.12	622.68	622.12	621.78
M24/M23	621.89	622.12	622.68	622.12	621.78
M23/M22	621.84	622.07	622.63	622.07	621.73
M22/M21	621.75	621.98	622.54	621.98	621.64
M21/M20	621.62	621.85	622.41	621.85	621.51
M20/M19	621.45	621.68	622.24	621.68	621.33
M19/M18	621.23	621.46	622.02	621.46	621.12
M18/M17	620.97	621.20	621.76	621.20	620.86
M17/M16	620.67	620.90	621.46	620.90	620.56
M16/M15	620.33	620.55	621.11	620.55	620.21
M15/M14	619.94	620.17	620.73	620.17	619.83
M14/OH Pier Table	619.51	619.74	620.30	619.74	619.40
CL OH Tower	618.92	619.13	619.58	619.13	618.83
OH Pier Table/B14	618.41	618.55	618.75	618.30	618.01
B14/B15	618.14	618.27	618.36	617.90	617.61
B15/B16	617.86	617.96	617.94	617.48	617.19
B16/B17	617.56	617.64	617.50	617.03	616.74
B17/B18	617.24	617.29	617.05	616.57	616.28
B18/B19	616.91	616.93	616.58	616.09	615.80
B19/B20	616.55	616.55	616.08	615.56	615.26
B20/B21	616.17	616.15	615.57	614.91	614.56
B21/B22	615.78	615.73	615.04	614.24	613.85
B22/B23	615.37	615.29	614.49	613.54	613.09
B23/B24	615.03	614.90	613.93	612.72	612.19
B24/OH Diaphragm	614.74	614.50	613.38	611.89	611.33
OH Diaphragm/Exp. Joint	614.64	614.34	613.15	611.54	610.97

NOTES

LF = LEFT FASCIA
LG = LEFT GUTTER
PG = PROFILE GRADE
RG = RIGHT GUTTER
RF = RIGHT FASCIA

1. FINISH GRADE ELEVATIONS ARE GIVEN ALONG ALL SEGMENT JOINTS, CLOSURE POURS AND AT THE CENTERLINE OF WEST VIRGINIA TOWER AND OHIO TOWER.
2. FOR SEGMENT NUMBERS, SEE SHEET NOS. 89-90/243.
3. FINISH GRADE ELEVATIONS ARE GIVEN AT TOP OF 1¼" OVERLAY FOR LG, PG AND RG.

DESIGN AGENCY
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REVIEWED	DATE
SLS	8-02

STRUCTURE FILE NUMBER 5300916 OH 10385 WV

DESIGNED	DRAWN	CHECKED	REVISED
JF	AMH	MWL	

CABLE STAYED DECK ELEVATIONS
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

5/16/2006 7:27:53 AM
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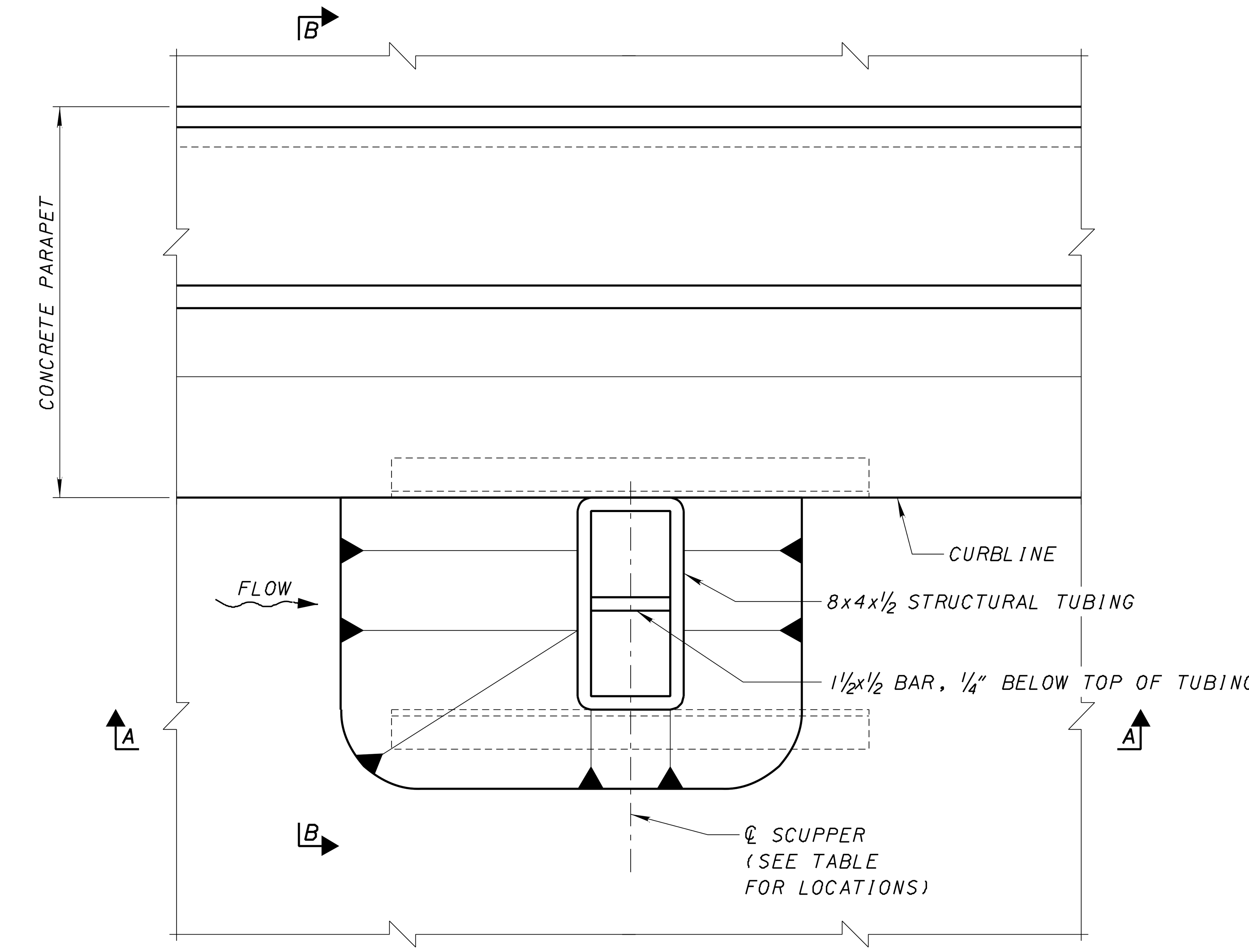
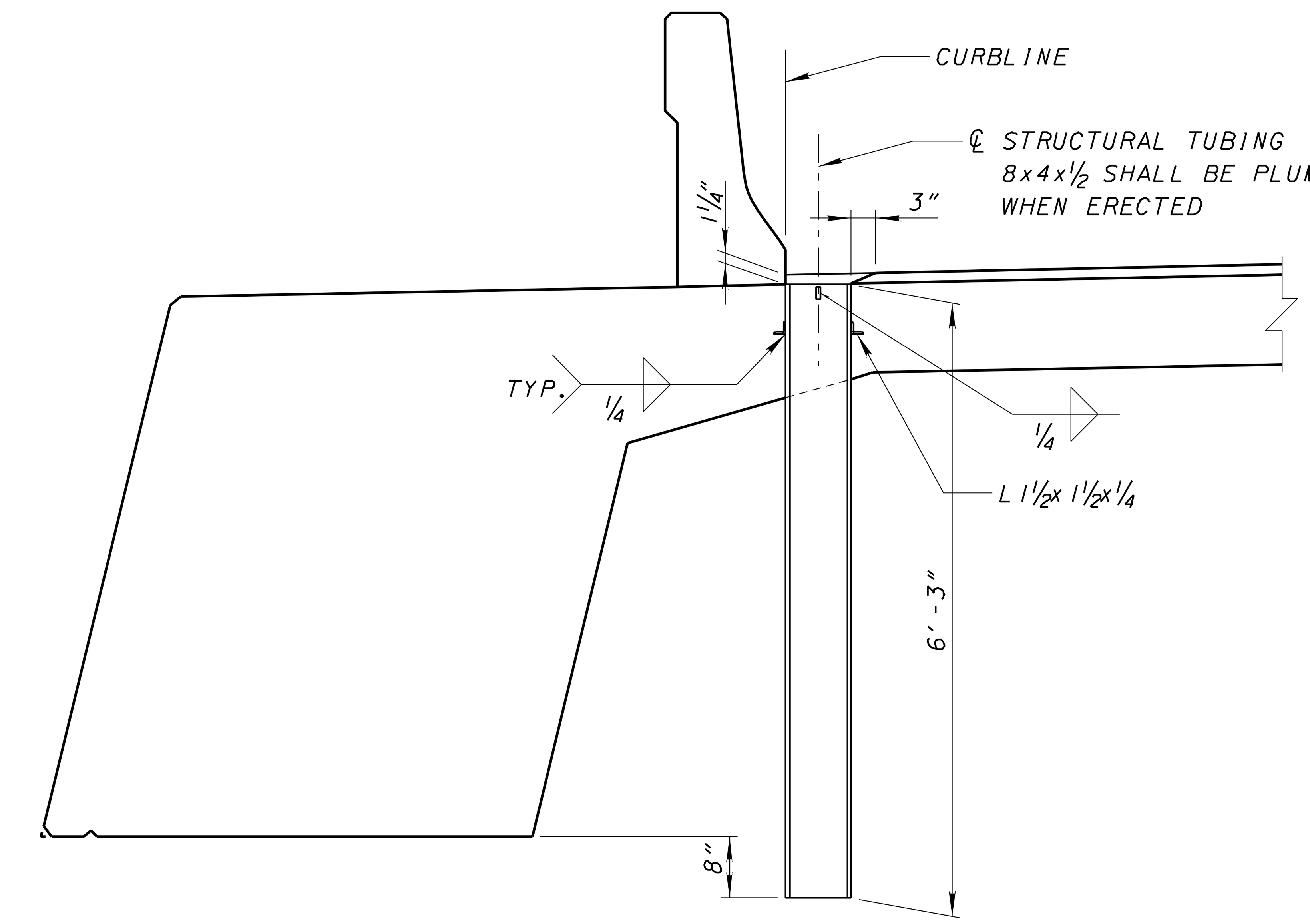
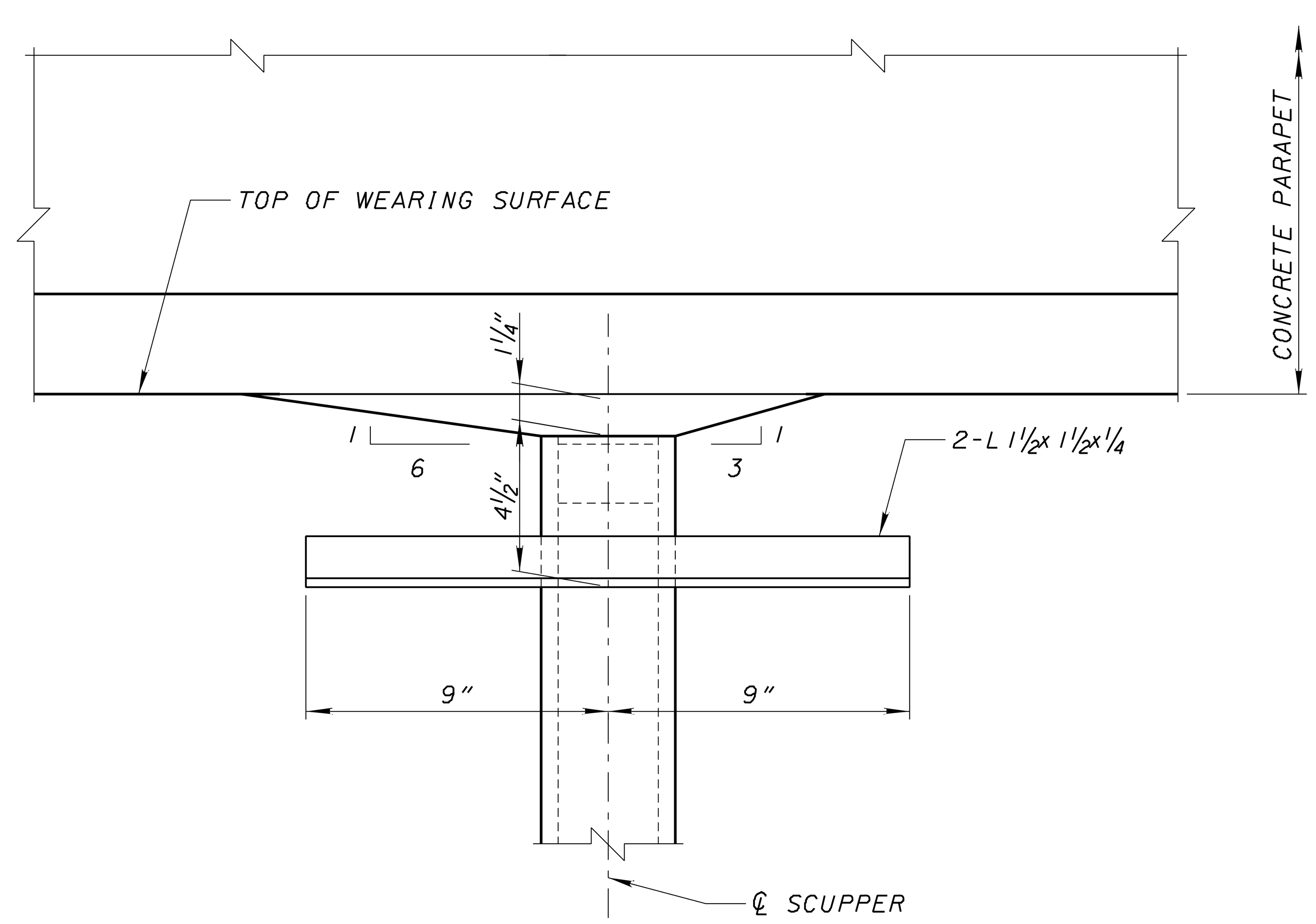


PLAN



SECTION B-B



SECTION A-A

DRAINAGE SCUPPER LOCATIONS
33+80.0
34+33.0
34+86.0
35+39.0
35+92.0
36+45.0
36+98.0
37+35.0

NOTES

1. THE CONCRETE DECK AT THE TWO SCUPPER CORNERS OPPOSITE THE CURB LINE SHALL BE REINFORCED WITH ONE #4 BAR, 3'-0" LONG ORIENTED AT 45 DEGREES TO THE LONG AXIS OF THE SCUPPER.
2. STRUCTURAL STEEL TUBING SHALL BE ASTM A500 GRADE B OR A501. ALL OTHER MATERIAL SHALL BE ASTM A709 GRADE 50. TUBING, SUPPORT ANGLES, AND BAR SHALL BE GALVANIZED IN ACCORDANCE WITH CMS 711.02.
3. THE TOP OF THE TUBING SHALL BE CUT SQUARE.
4. MEASUREMENT AND PAYMENT IS PER ITEM 518 AND INCLUDES ALL LABOR, MATERIALS, COATINGS AND EQUIPMENT NECESSARY TO COMPLETE INSTALLATION OF THE SCUPPER.
5. DRAINAGE SCUPPERS ARE ONLY LOCATED ON LEFT SIDE OF ROADWAY AT THE INDICATED STATIONS.

DESIGN AGENCY
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(513) 651-3440
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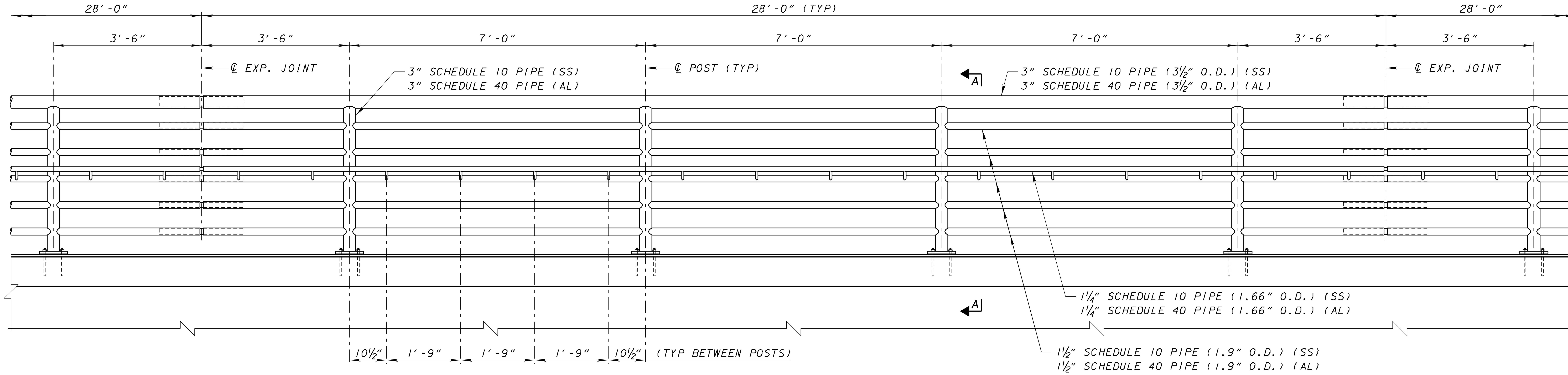
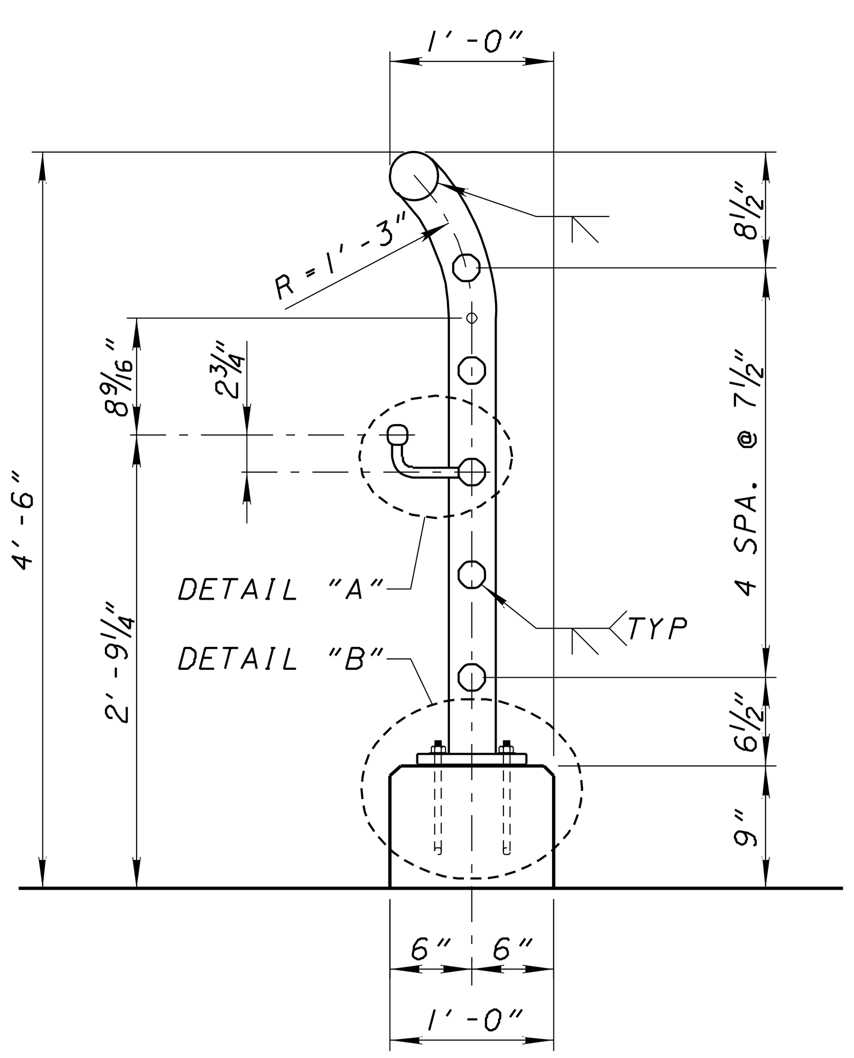
DESIGNED DLJ | DRAWN CER | REVIEWED SLS | DATE 8-02
CHECKED RJB | REVISED | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

CABLE STAYED DRAINAGE DETAILS
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

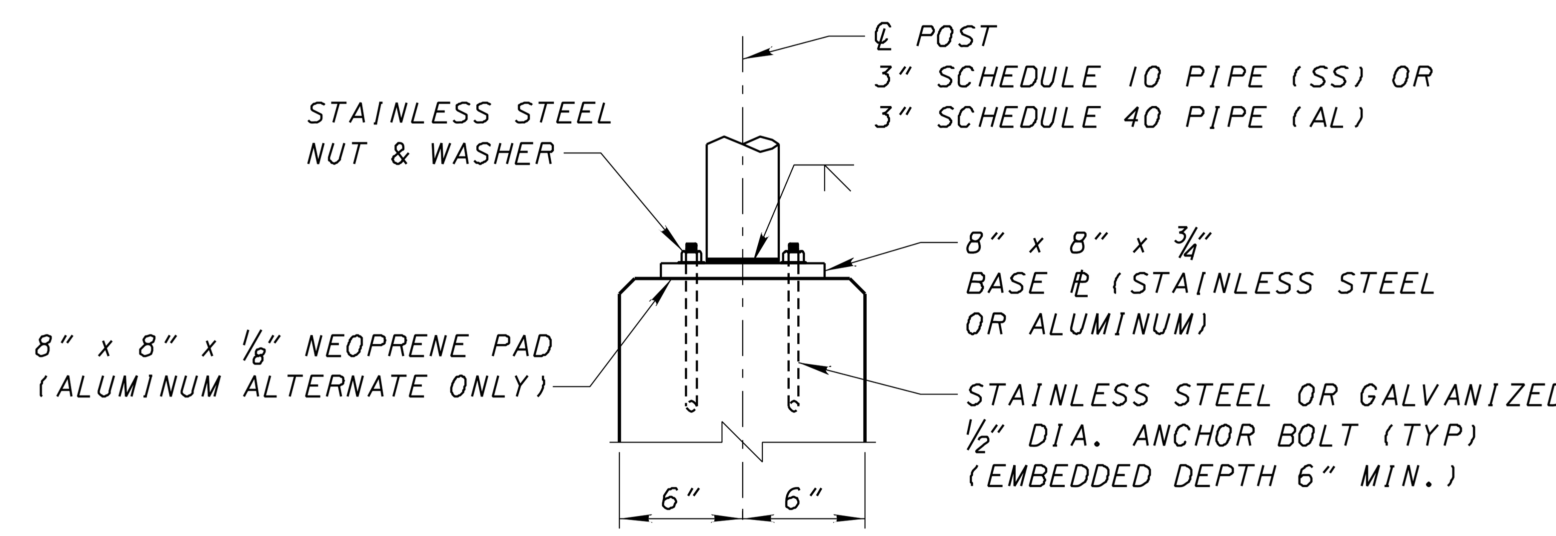
MEG-33-15.70



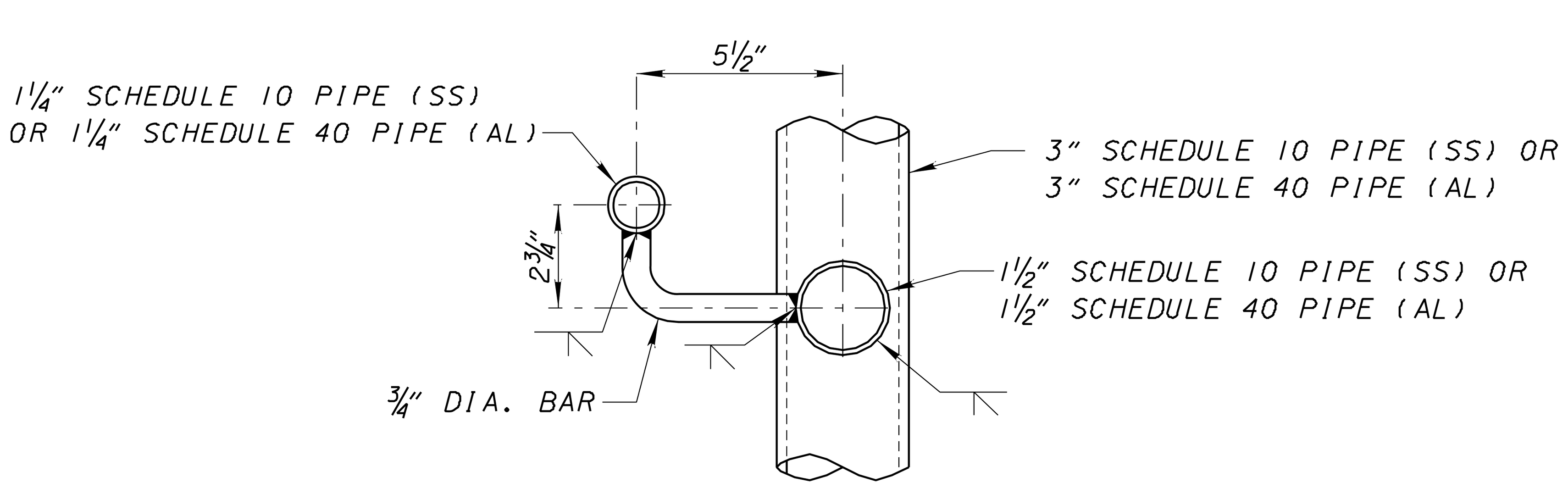
ELEVATION



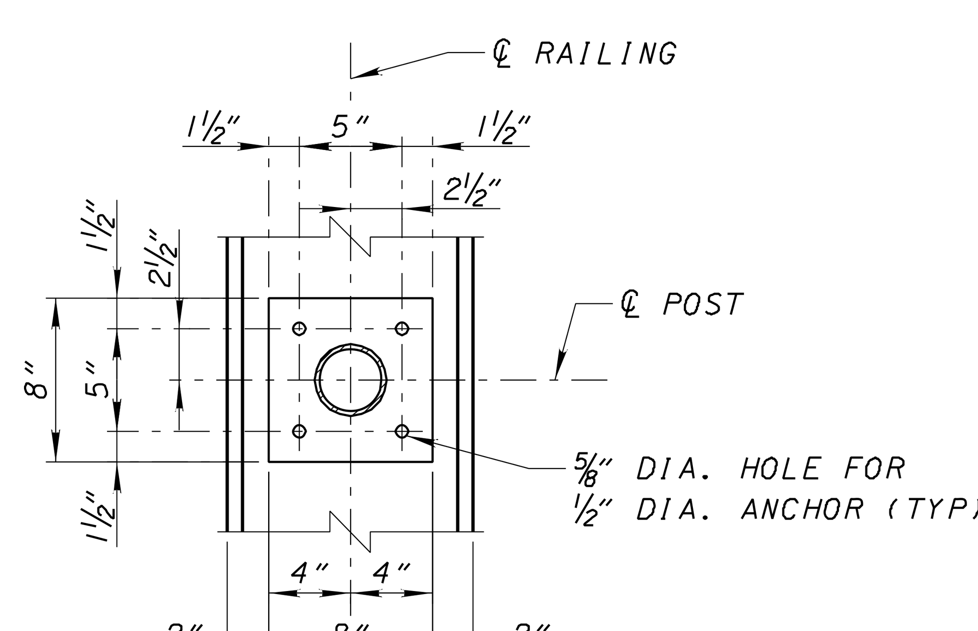
SECTION A-A



DETAIL "B"



DETAIL "A"



BASE PLATE DETAIL

NOTES

1. ALTERNATE BIDS SHALL BE PREPARED FOR THE PEDESTRIAN RAILING. ONE BID SHALL BE BASED ON STAINLESS STEEL TYPE 316 FOR ALL ELEMENTS. THE SECOND BID SHALL BE BASED ON ALUMINUM FOR ALL ELEMENTS EXCEPT THE GALVANIZED ANCHOR BOLTS REQUIRED FOR THE ALUMINUM ALTERNATE.

2. SHOP DRAWINGS SHALL HAVE COMPLETE DETAILS INCLUDING RAIL, POST AND EXPANSION JOINT LOCATIONS AND DESCRIPTION OF MATERIAL OF THE PROPOSED RAILING SHALL BE SUBMITTED BY THE CONTRACTOR FOR THE ENGINEER'S APPROVAL PRIOR TO FABRICATION.

3. RAIL SPLICES OR EXPANSION JOINTS SHALL BE CONTINUOUS OVER A MINIMUM OF 3 POSTS. SPLICES SHALL BE PLACED AT 28'-0" CENTERS MAXIMUM. CENTER OF SPLICE SHALL BE LOCATED A MINIMUM OF 1'-5" FROM THE EDGE OF A POST. ALL RAILS IN ANY RAILING SECTION SHALL BE SPLICED ABOUT THE SAME CENTERLINE.

4. ½" ANCHORS SHALL BE STAINLESS STEEL AND HAVE A MINIMUM ULTIMATE TENSILE CAPACITY OF 7,500 LBS.

5. PAYMENT FOR THE RAILING INCLUDES RAILS, POSTS, RAIL EXPANSION ASSEMBLIES, ANCHOR BOLTS, NUTS, BASE PLATES, CONNECTION PLATE ASSEMBLIES AND ANY ITEMS INCIDENTAL TO THE CONSTRUCTION OF THE RAILING.

6. ITEMS DENOTED WITH (SS) ARE FOR THE STAINLESS STEEL PEDESTRIAN RAILING ALTERNATE. ITEMS DENOTED WITH (AL) ARE FOR THE ALUMINUM PEDESTRIAN RAILING ALTERNATE.

DESIGN AGENCY
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SUITE 2300
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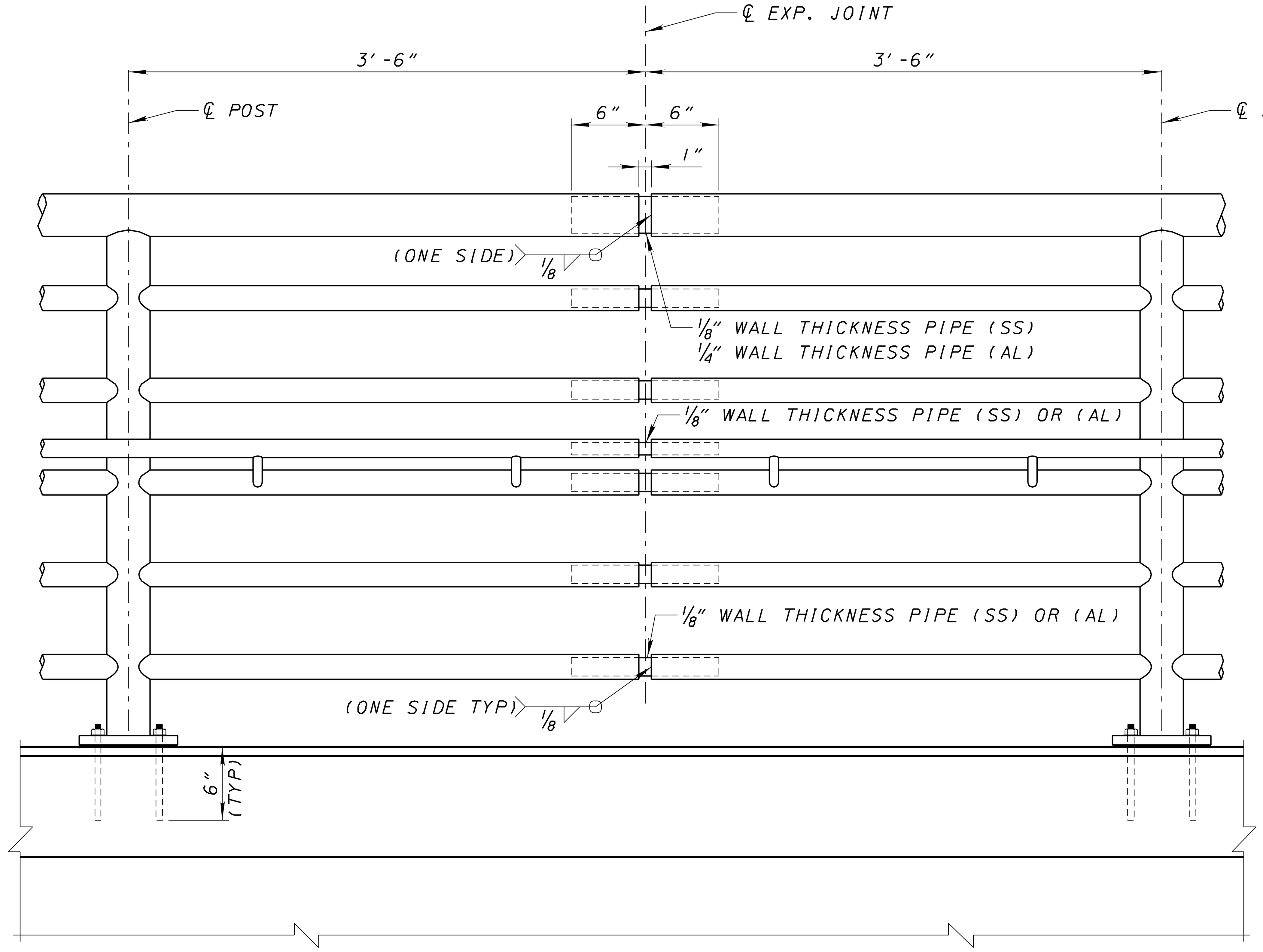
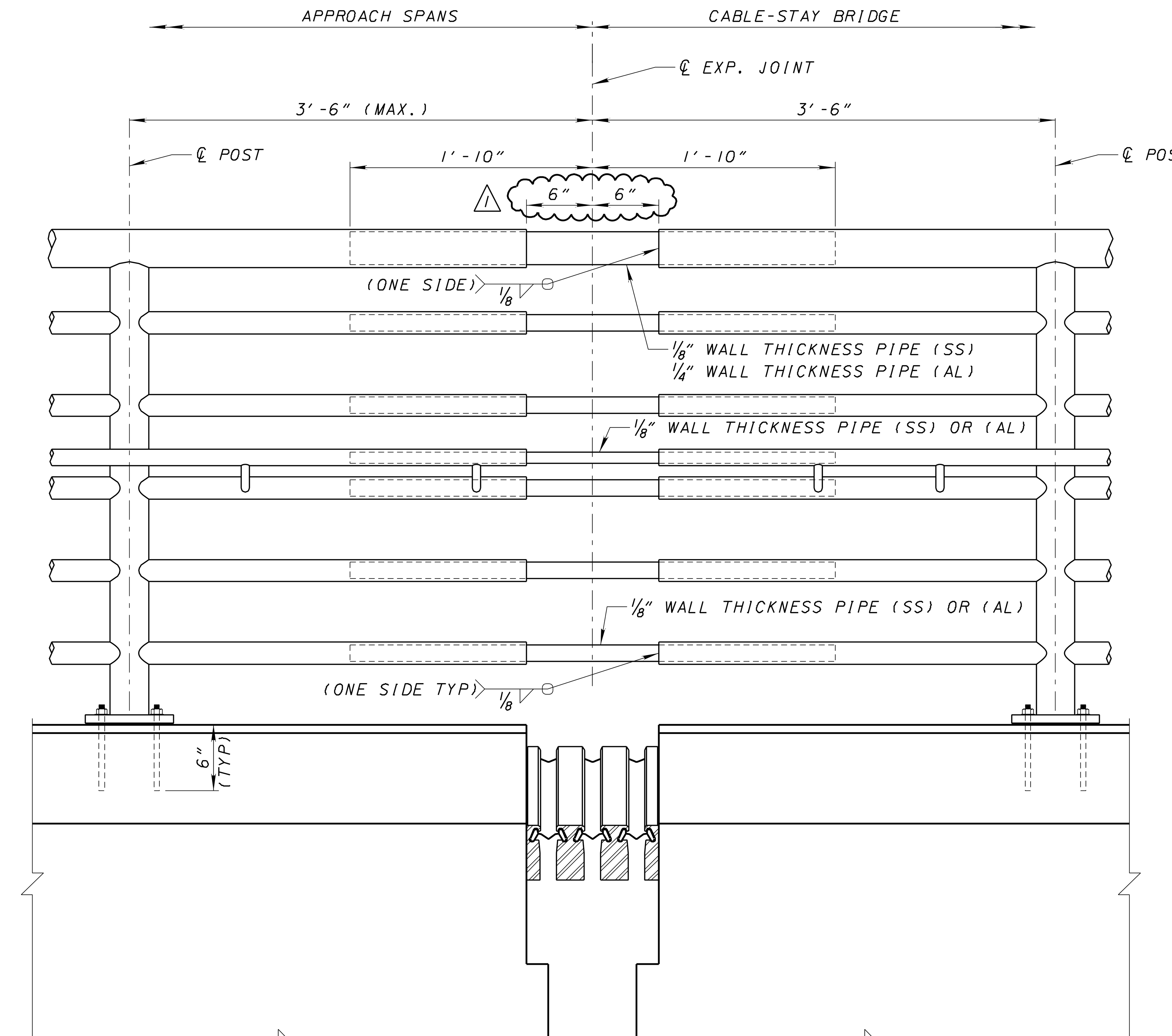
DESIGNED	DRAWN	REVIEWED	DATE
DLJ	CER	SLS	8-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
SH		5300916 OH 10385 WV	

PEDESTRIAN RAILING DETAILS (1)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70



RAILING DETAIL @ EXPANSION JOINT



RAILING DETAIL @ MODULAR EXPANSION JOINT

(PIER 6 SHOWN, PIER 7 SIMILAR)

NOTES

1. FOR EXPANSION JOINT DETAILS, SEE SHEET NOS. 167-168/243 .

NUMBER	REVISION	DATE	BY
1	PIER 7 MODIFICATIONS	11-04	DLJ

DESIGN AGENCY

BRW HAZELET & ERDAL

A URS COMPANY (513) 651-3440

36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

REVIEWED SLS | DATE 8-02 | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

DRAWN CER | REVISED

DESIGNED DLJ | CHECKED SH

PEDESTRIAN RAILING DETAILS (2)

BRIDGE NO. MEG-33-1570

POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

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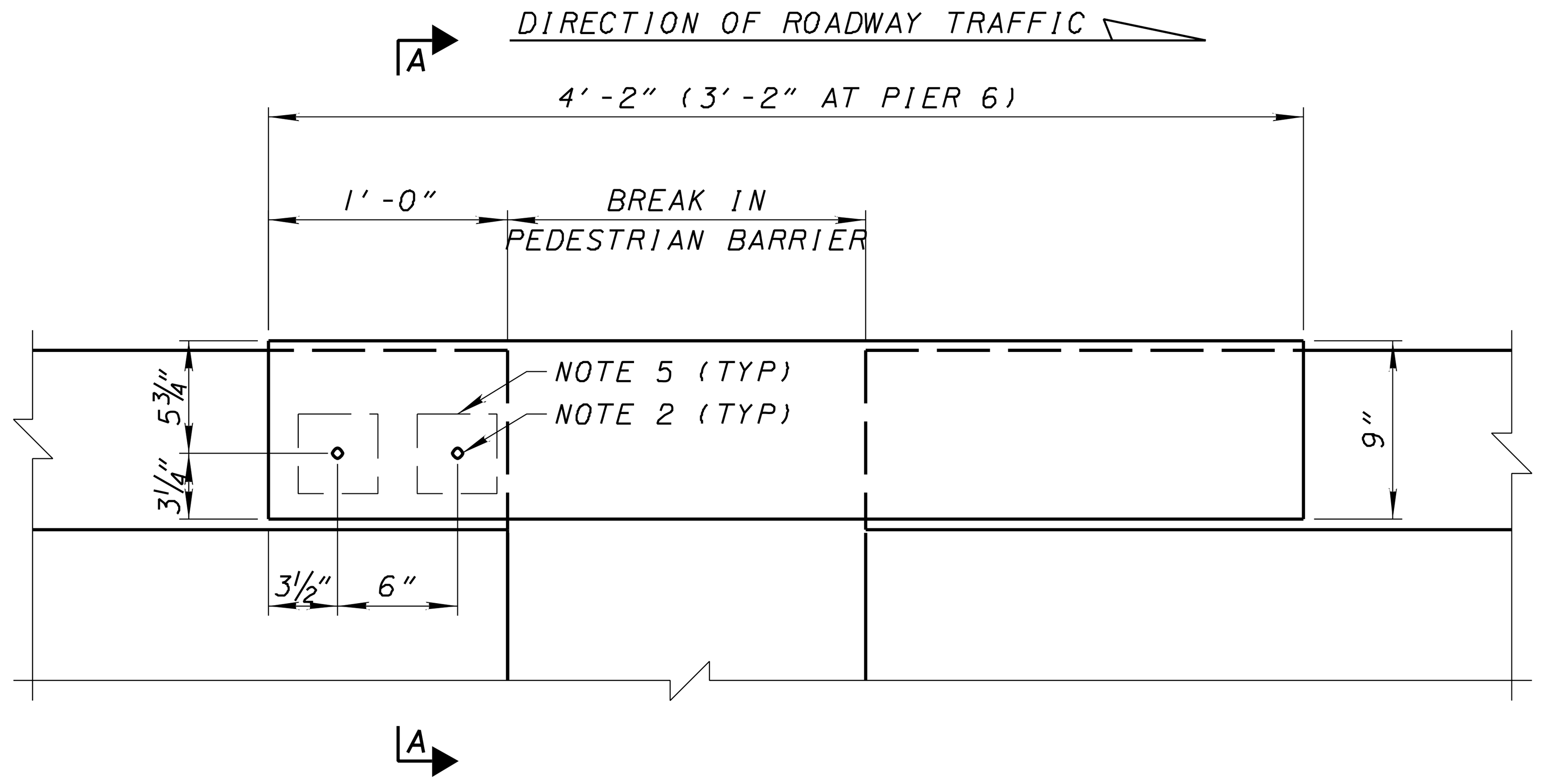
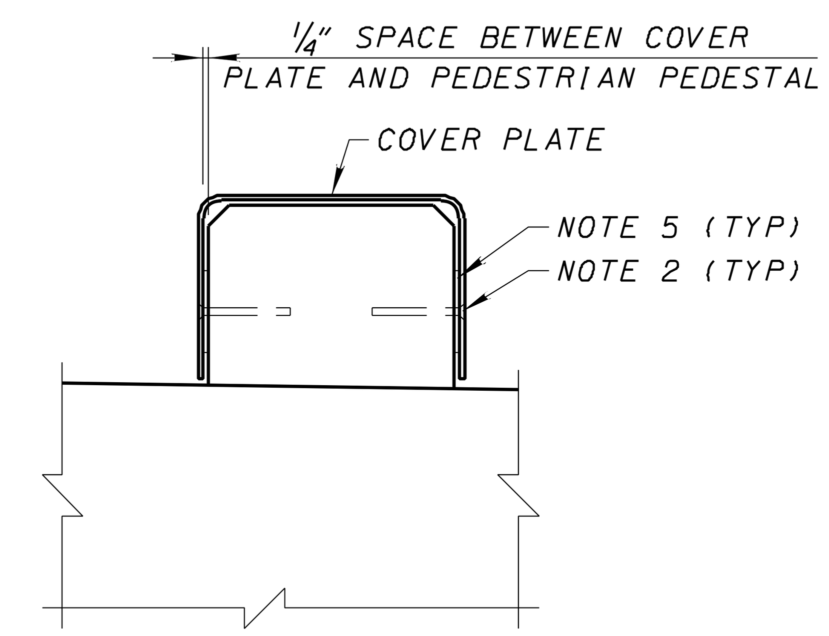
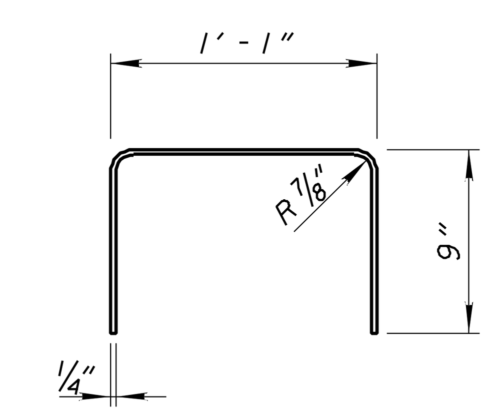


ELEVATION OF COVER PLATE ON PEDESTRIAN CONCRETE PEDESTAL AT PIER 7
(MODULAR JOINT AND STEEL PIPE RAIL NOT SHOWN)
(PIER 6 SIMILAR)



SECTION A-A



DETAIL SECTION OF COVER PLATE ONLY

NOTES

1. ALL PLATES SHALL BE ASTM-A36 STEEL AND GALVANIZED IN ACCORDANCE WITH ASTM-A123 (AFTER FABRICATION).
2. COVER PLATE SHALL BE MOUNTED USING COUNTERSUNK ⅜" X 4" GALVANIZED POST-DRILLED EXPANSION ANCHORS.
3. ALL DIMENSIONS SHALL BE FIELD VERIFIED PRIOR TO FABRICATION.
4. FIELD LOCATE PARAPET REINFORCEMENT AND ADJUST ANCHOR LOCATIONS AS NECESSARY PRIOR TO FABRICATION.
5. 4" x 4" x ¼" SPACER PLATE WELDED ON ALL SIDES TO COVER PLATE.

NUMBER	REVISION	DATE:	BY:
△	AS-BUILT (NEW SHEET)	6-09	DLJ

DESIGN AGENCY
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REVIEWED SLS DATE 8-02
STRUCTURE FILE NUMBER 5300916 OH 10385 WV
DESIGNED CHECKED DRAWN REVISED

PEDESTRIAN RAILING DETAILS (3)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

172A/243

502A/582

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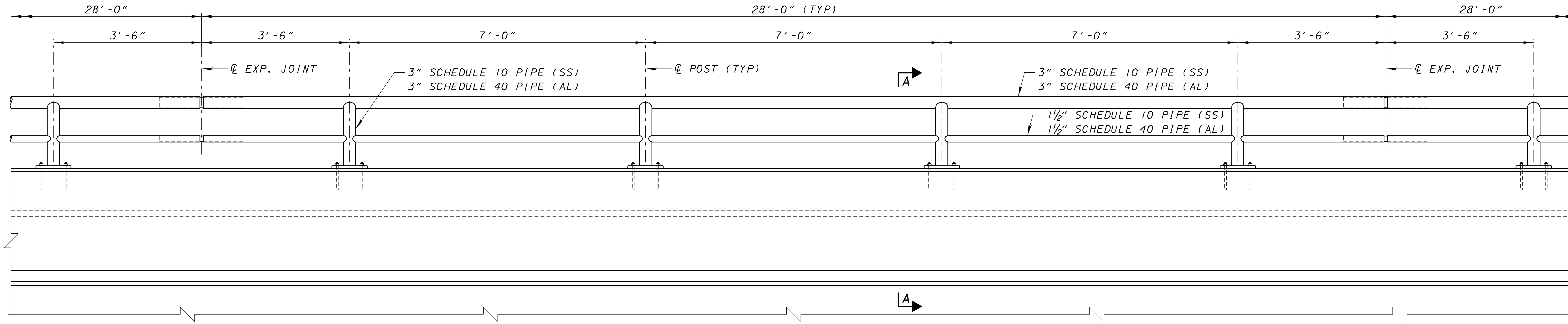
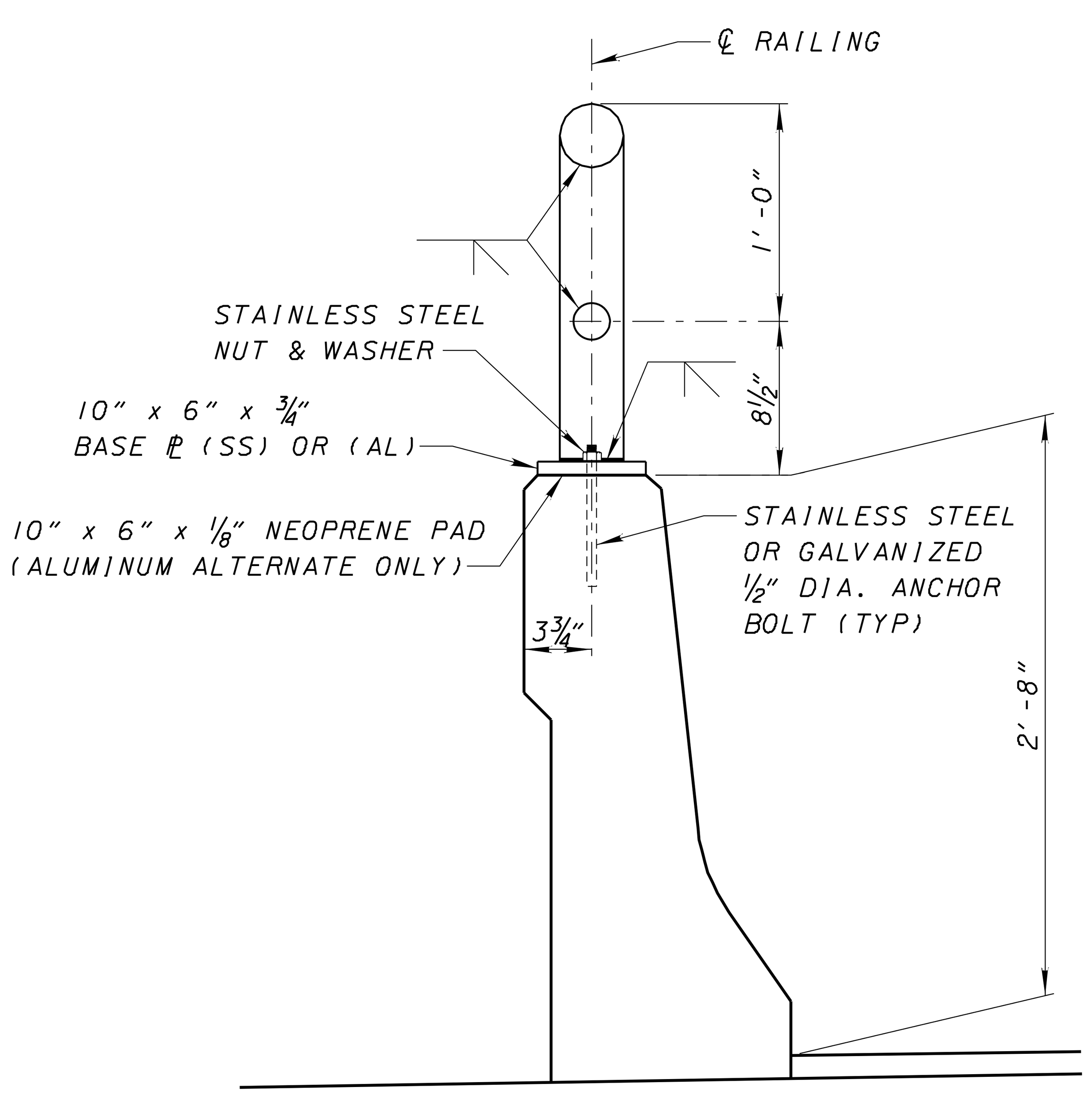
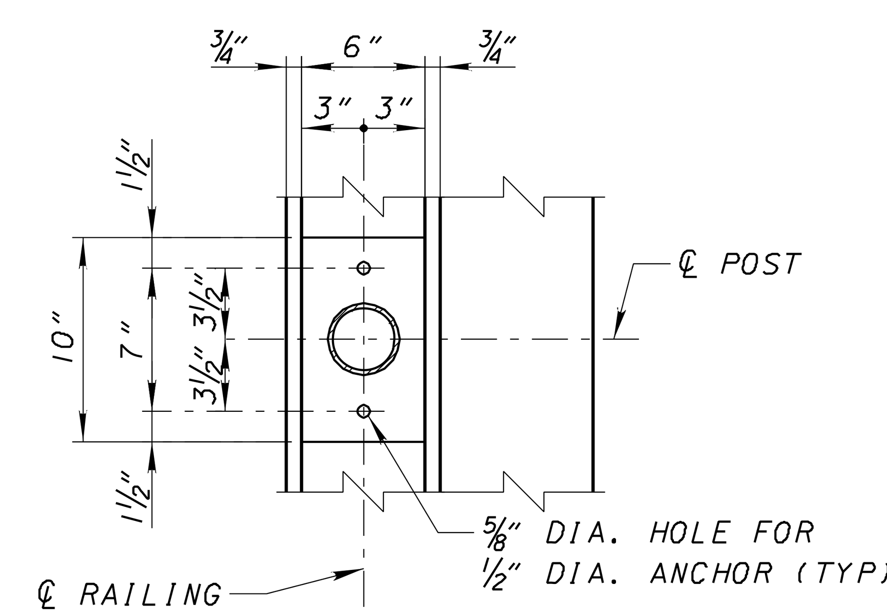


ELEVATION



SECTION A-A



BASE PLATE DETAIL

NOTES

1. ALTERNATE BIDS SHALL BE PREPARED FOR THE PARAPET RAILING. ONE BID SHALL BE BASED ON STAINLESS STEEL TYPE 316 FOR ALL ELEMENTS. THE SECOND BID SHALL BE BASED ON ALUMINUM FOR ALL ELEMENTS EXCEPT THE GALVANIZED ANCHOR BOLTS REQUIRED FOR THE ALUMINUM ALTERNATE.

2. SHOP DRAWINGS SHALL HAVE COMPLETE DETAILS INCLUDING RAIL, POST AND EXPANSION JOINT LOCATIONS AND DESCRIPTION OF MATERIAL OF THE PROPOSED RAILING SHALL BE SUBMITTED BY THE CONTRACTOR FOR THE ENGINEER'S APPROVAL PRIOR TO FABRICATION.

3. RAIL SPLICES OR EXPANSION JOINTS SHALL BE CONTINUOUS OVER A MINIMUM OF 3 POSTS. SPLICES SHALL BE PLACED AT 28'-0" CENTERS MAXIMUM. CENTER OF SPLICE SHALL BE LOCATED A MINIMUM OF 1'-5" FROM THE EDGE OF A POST. ALL RAILS IN ANY RAILING SECTION SHALL BE SPLICED ABOUT THE SAME CENTERLINE.

4. ½" ANCHORS SHALL BE STAINLESS STEEL AND HAVE A MINIMUM ULTIMATE TENSILE CAPACITY OF 7,500 LBS.

5. PAYMENT FOR THE RAILING INCLUDES RAILS, POSTS, RAIL EXPANSION ASSEMBLIES, ANCHOR BOLTS, NUTS, BASE PLATES, CONNECTION PLATE ASSEMBLIES AND ANY ITEMS INCIDENTAL TO THE CONSTRUCTION OF THE RAILING.

6. ITEMS DENOTED WITH (SS) ARE FOR THE STAINLESS STEEL PARAPET RAILING ALTERNATE. ITEMS DENOTED WITH (AL) ARE FOR THE ALUMINUM PARAPET RAILING ALTERNATE.

DESIGN AGENCY
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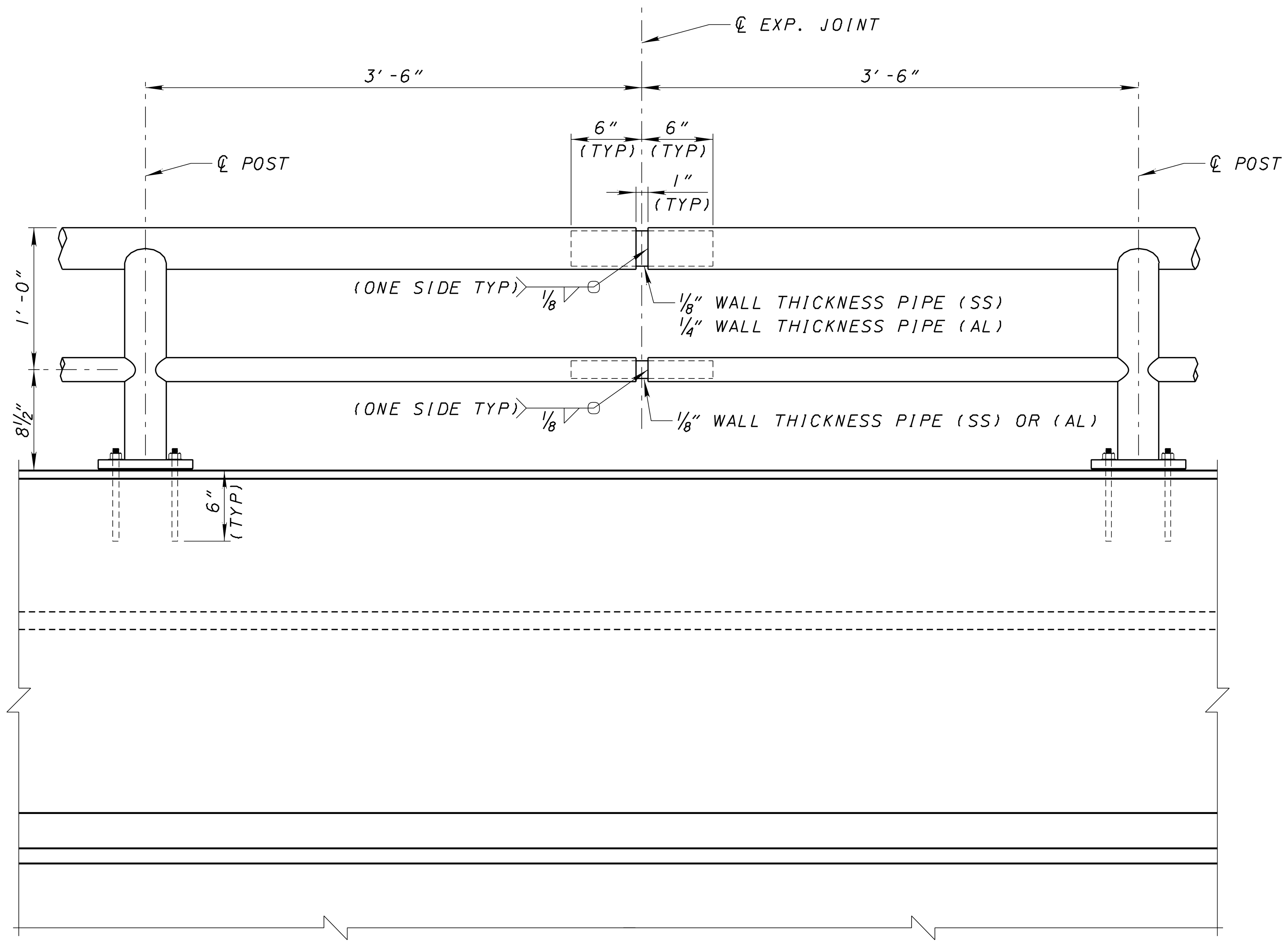
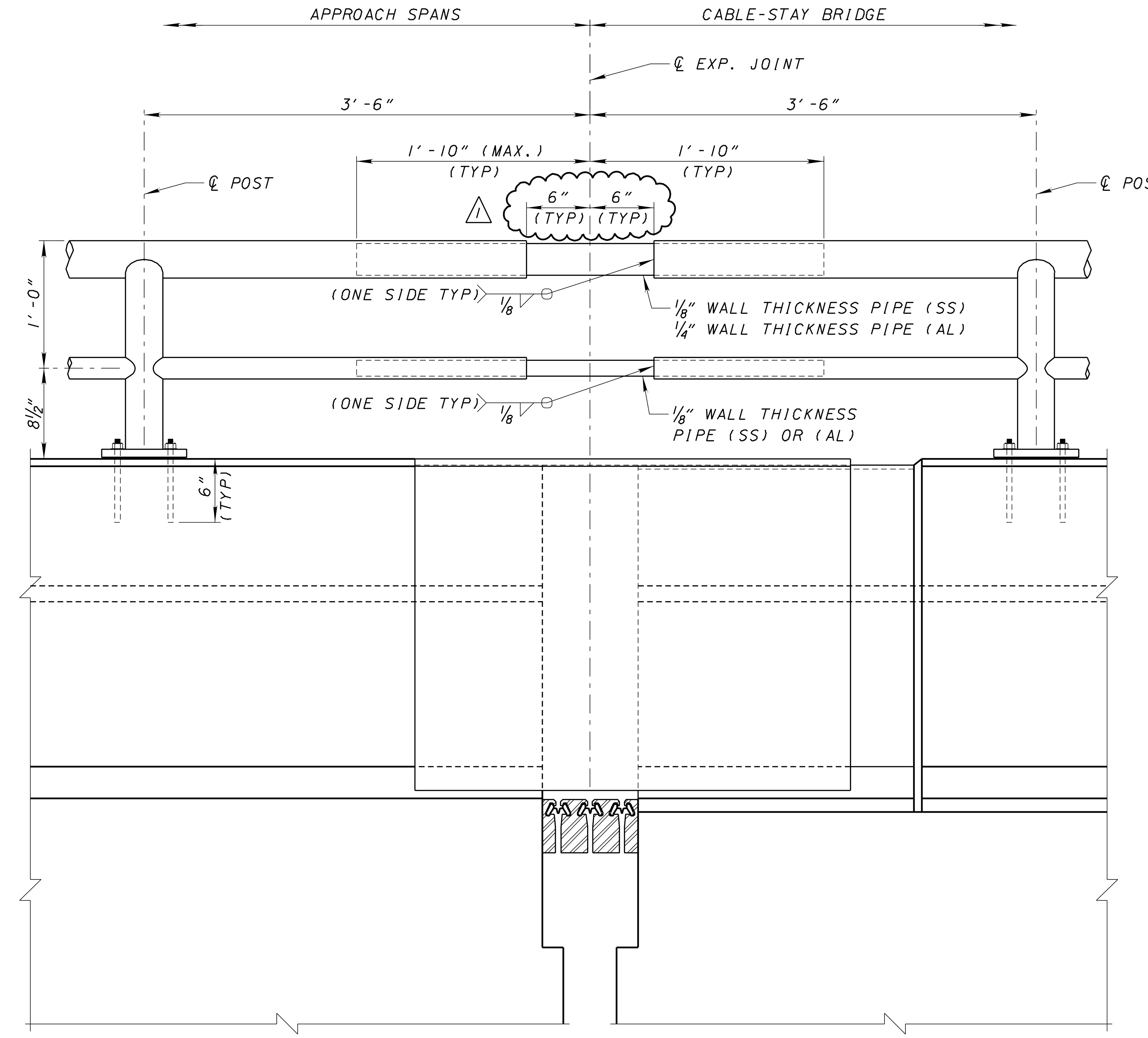
DESIGNED DLJ	DRAWN CER	REVIEWED SLS	DATE 8-02
CHECKED SH	REVISED	STRUCTURE FILE NUMBER 5300916 OH 10385 WV	

PARAPET RAILING DETAILS (1)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70



RAILING DETAIL @ EXPANSION JOINT



RAILING DETAIL @ MODULAR EXPANSION JOINT

(PIER 6 SHOWN, PIER 7 SIMILAR)

NOTES

1. FOR EXPANSION JOINT DETAILS, SEE SHEET NOS. 167-168/243 .

NUMBER	REVISION	DATE:	BY:
1	PIER 7 MODIFICATIONS	11-04	DLJ

DESIGN AGENCY
BRW HAZELET & ERDAL
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REVIEWED SLS
DATE 8-02
STRUCTURE FILE NUMBER 5300916 OH 10385 WV
DRAWN CER
REVISED
DESIGNED DLJ
CHECKED SH

PARAPET RAILING DETAILS (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

174/243

504/582

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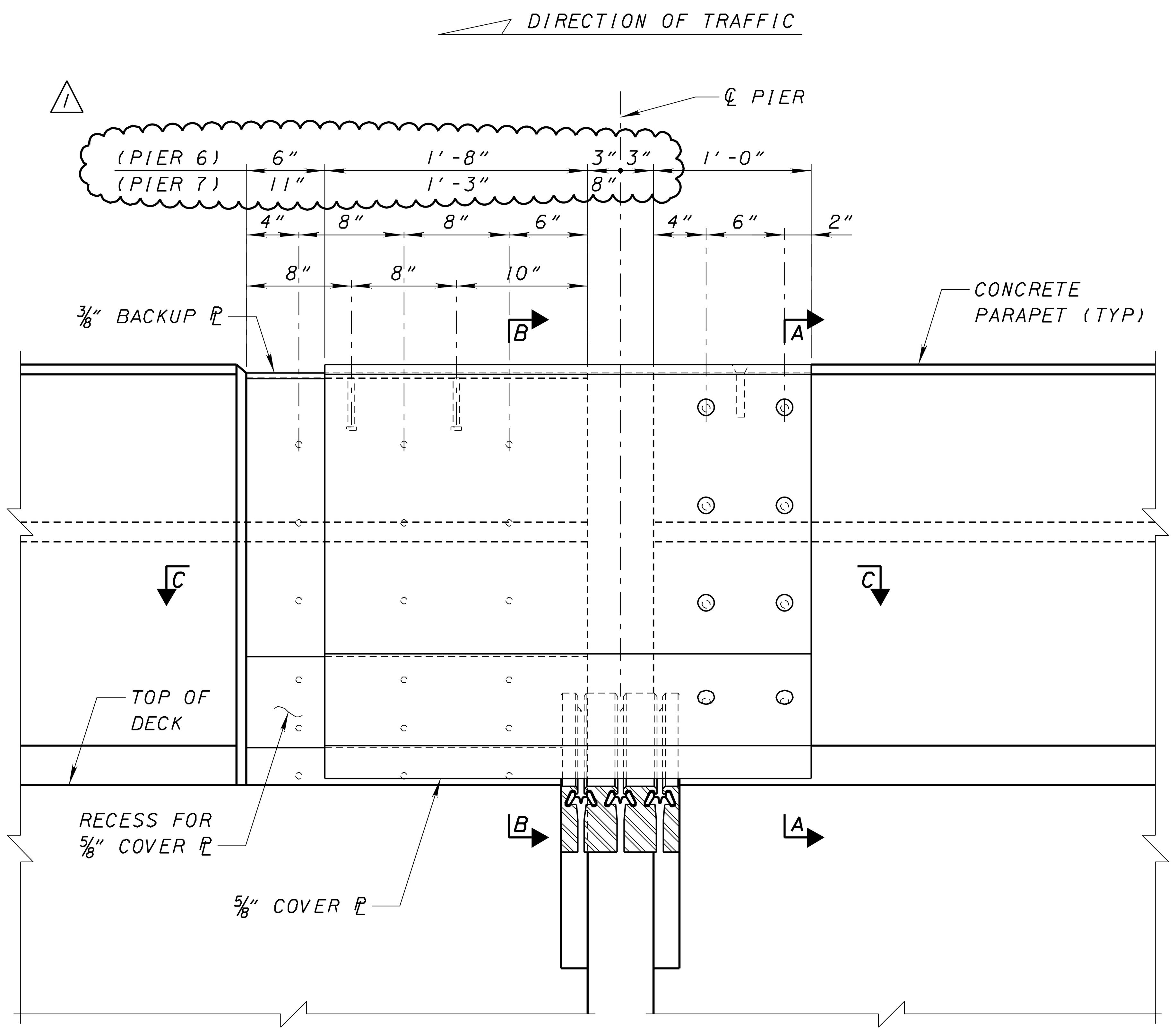
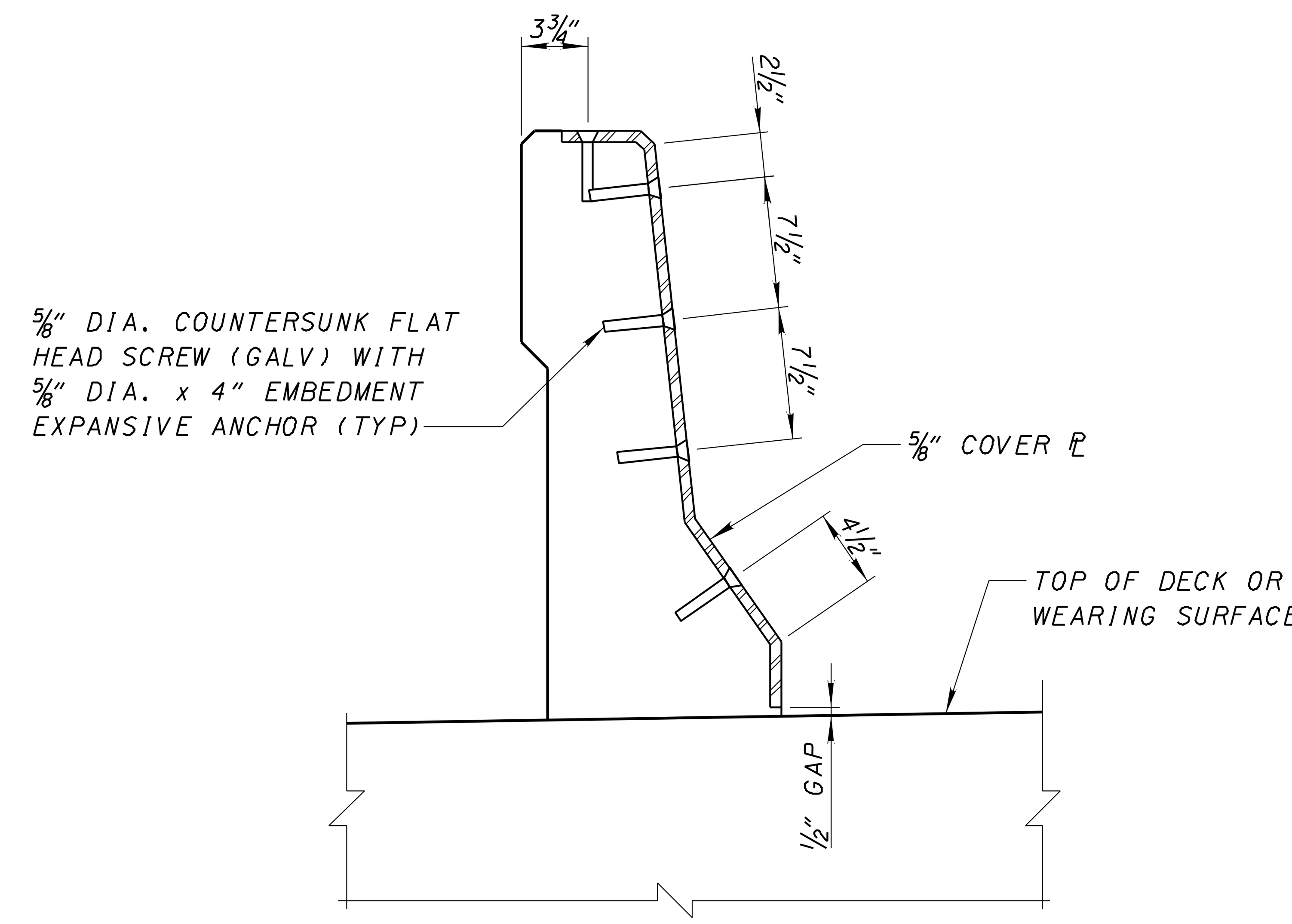
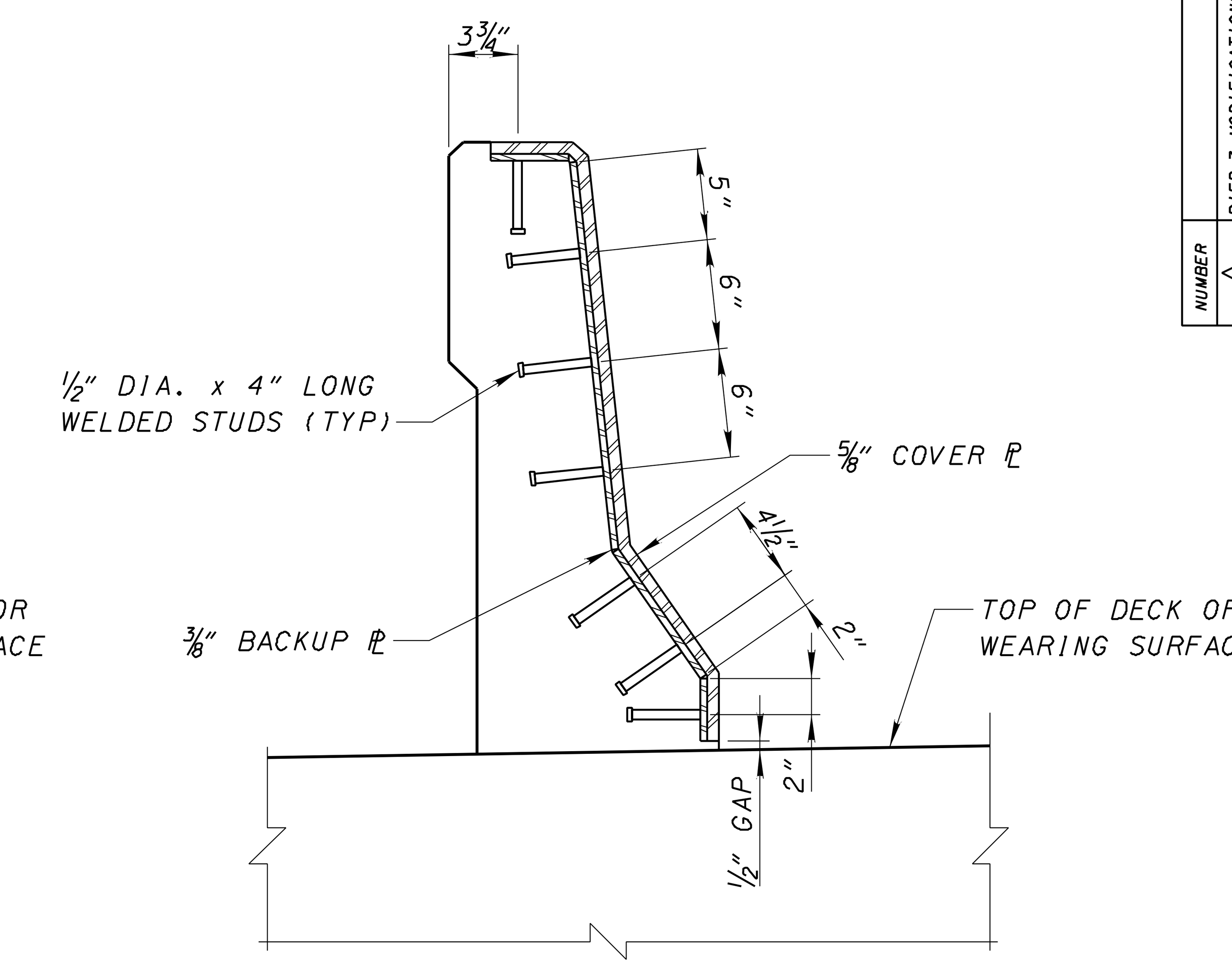


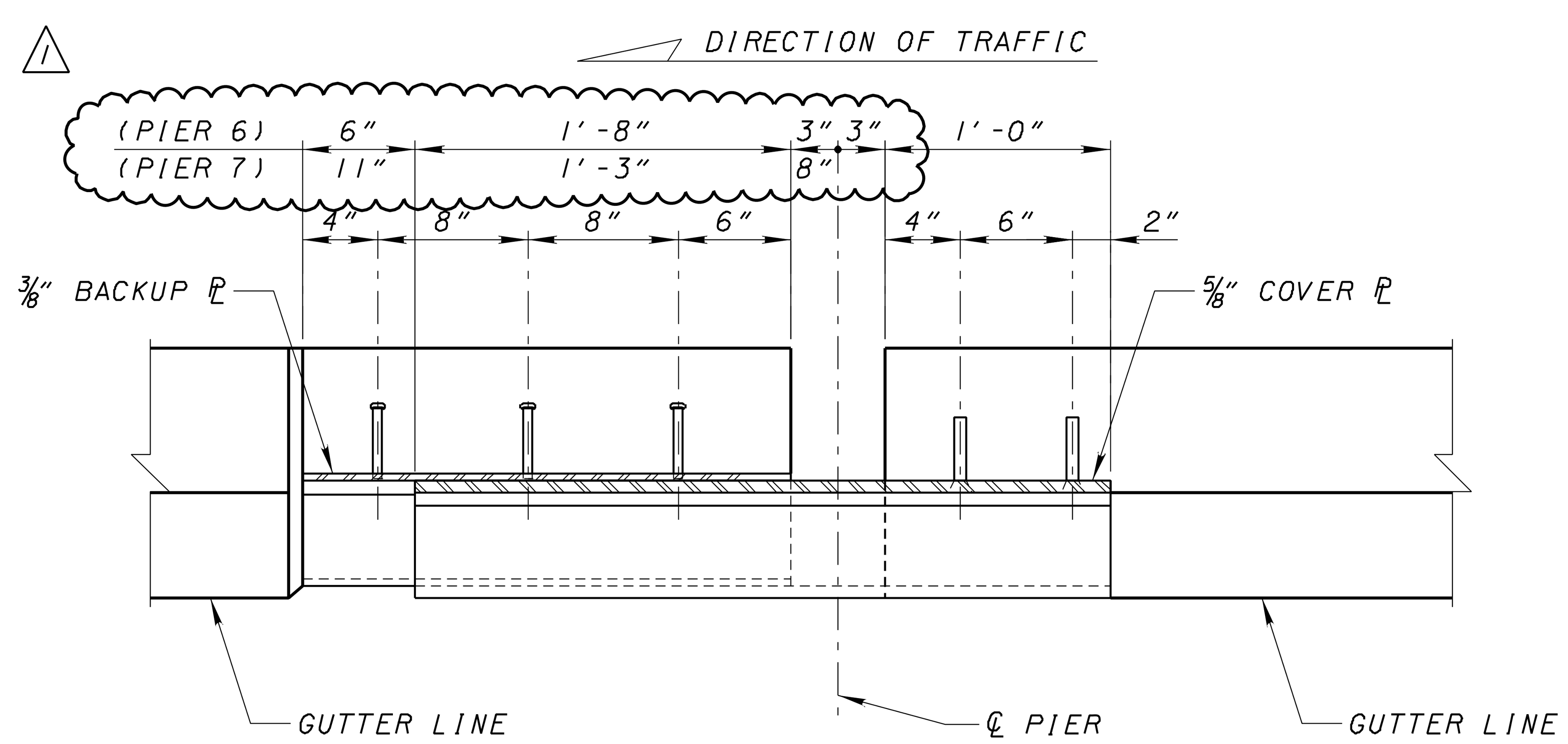
ELEVATION



SECTION A-A



SECTION B-B



SECTION C-C
(MODULAR JOINT NOT SHOWN FOR CLARITY)

NOTES

1. FOR EXPANSION JOINT DETAILS, SEE SHEET NOS. 167-168/243 .
2. COVER PLATES SHALL BE ANCHORED ON THE SIDE OF THE JOINT TOWARD ONCOMING TRAFFIC.
3. CONCRETE PARAPET REINFORCEMENT SHALL BE ADJUSTED AS NECESSARY TO ACCOMMODATE EXPANSION JOINT BLOCK-OUT.
4. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS SHOWING ALL DETAILS OF PARAPET COVER PLATES FOR ENGINEER'S REVIEW.
5. PAYMENT FOR PARAPET COVER PLATE AND ASSOCIATED HARDWARE SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE MODULAR EXPANSION JOINT.
6. STEEL PLATE SHALL BE ASTM A709 GRADE 36. ALL COMPONENTS OF THE COVER PLATE ASSEMBLY SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH CMS 711.02.
7. STEEL ASSEMBLY IS INCIDENTAL TO THE COST OF PARAPET CONCRETE.

NUMBER	REVISION	DATE	BY
1	PIER 7 MODIFICATIONS	11-04	DLJ

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BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED DLJ	DRAWN CER	REVIEWED SLS	DATE 8-02
CHECKED SH	REVISED	STRUCTURE FILE NUMBER 5300916 OH 10385 WV	

PARAPET DETAILS AT PIERS 6 AND 7
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

175/243

505/582

5/16/2006 7:27:54 AM
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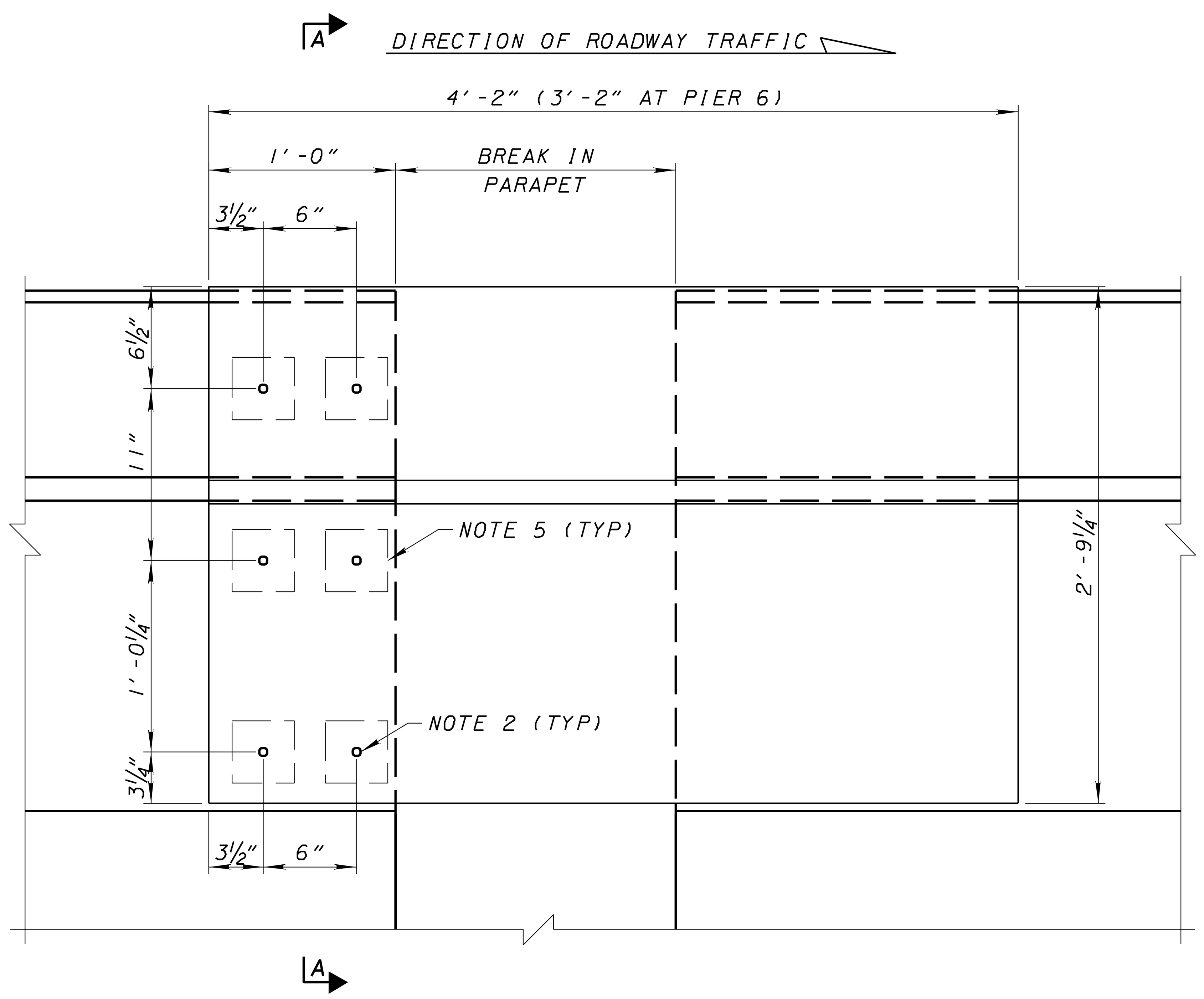
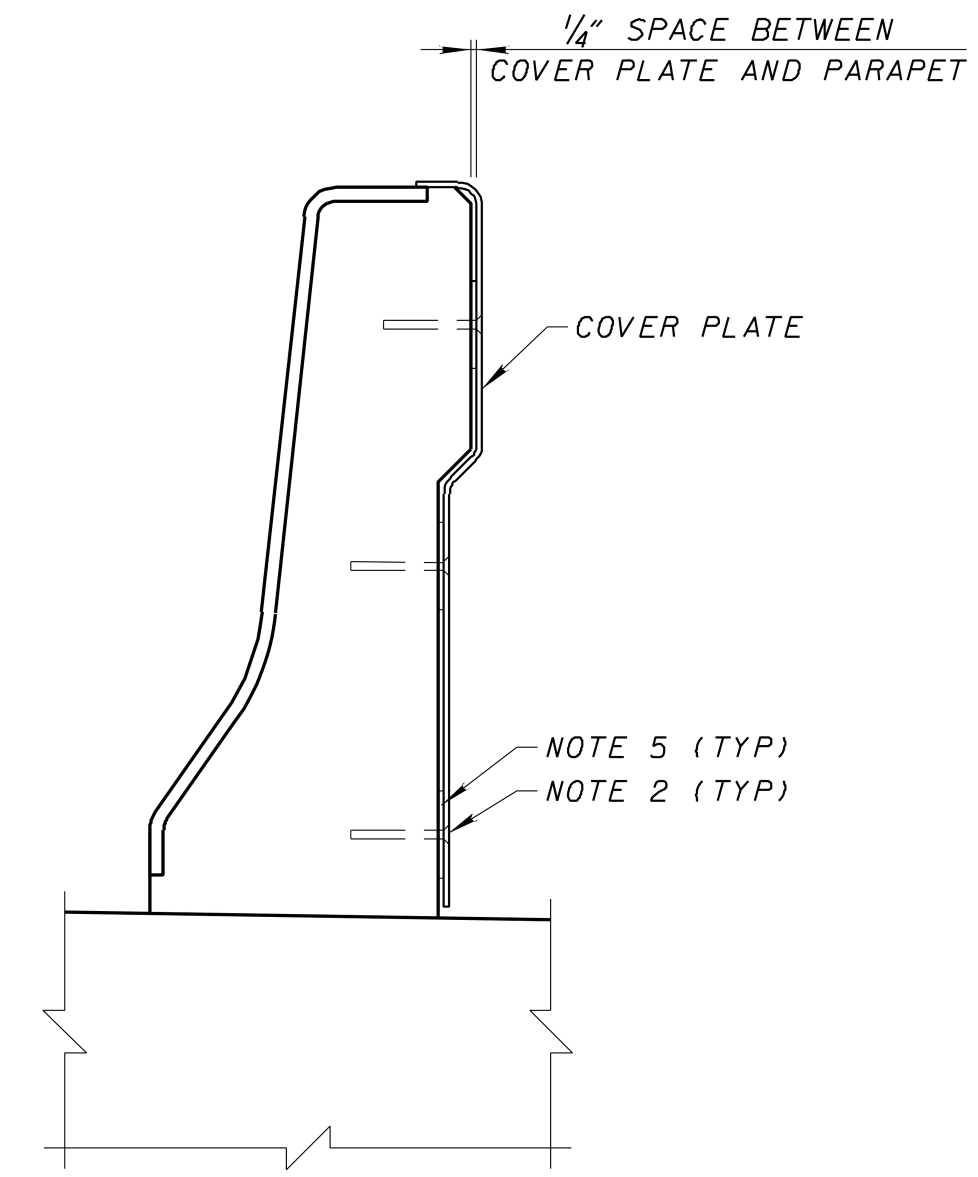
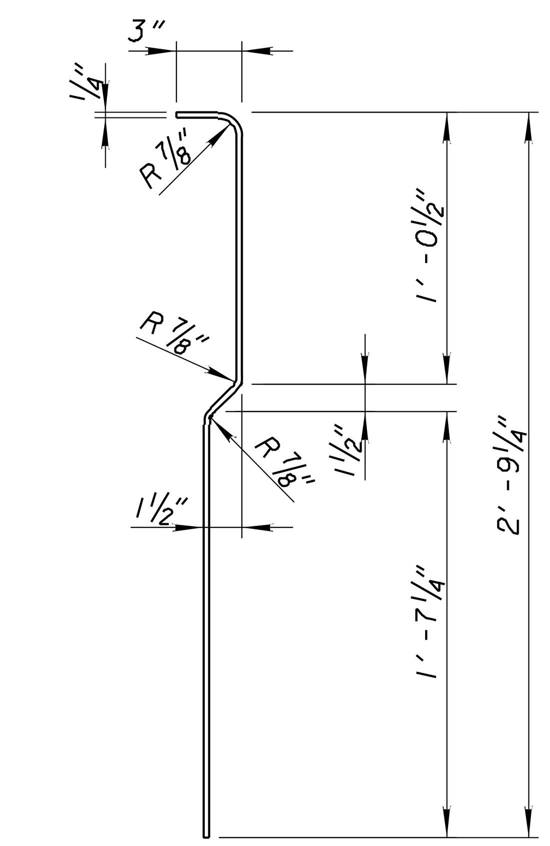


ELEVATION OF COVER PLATE ON PEDESTRIAN SIDE OF NORTH CONCRETE PARAPET AT PIER 7

(MODULAR JOINT AND STEEL PIPE RAIL NOT SHOWN)
(PIER 6 SIMILAR)



SECTION A-A



DETAIL SECTION OF COVER PLATE ONLY

NOTES

1. ALL PLATES SHALL BE ASTM-A36 STEEL AND GALVANIZED IN ACCORDANCE WITH ASTM-A123 (AFTER FABRICATION).
2. COVER PLATE SHALL BE MOUNTED USING COUNTERSUNK ⅜" X 4" GALVANIZED POST-DRILLED EXPANSION ANCHORS.
3. ALL DIMENSIONS SHALL BE FIELD VERIFIED PRIOR TO FABRICATION.
4. FIELD LOCATE PARAPET REINFORCEMENT AND ADJUST ANCHOR LOCATIONS AS NECESSARY PRIOR TO FABRICATION.
5. 4" x 4" x ¼" SPACER PLATE WELDED ON ALL SIDES TO COVER PLATE.

NUMBER | REVISION | DATE: | BY:
AS-BUILT (NEW SHEET) | 6-09 | DLJ

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PARAPET DETAILS AT PIERS 6 AND 7 (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

175A/243

505A/582

8/3/2009 11:08:39 AM
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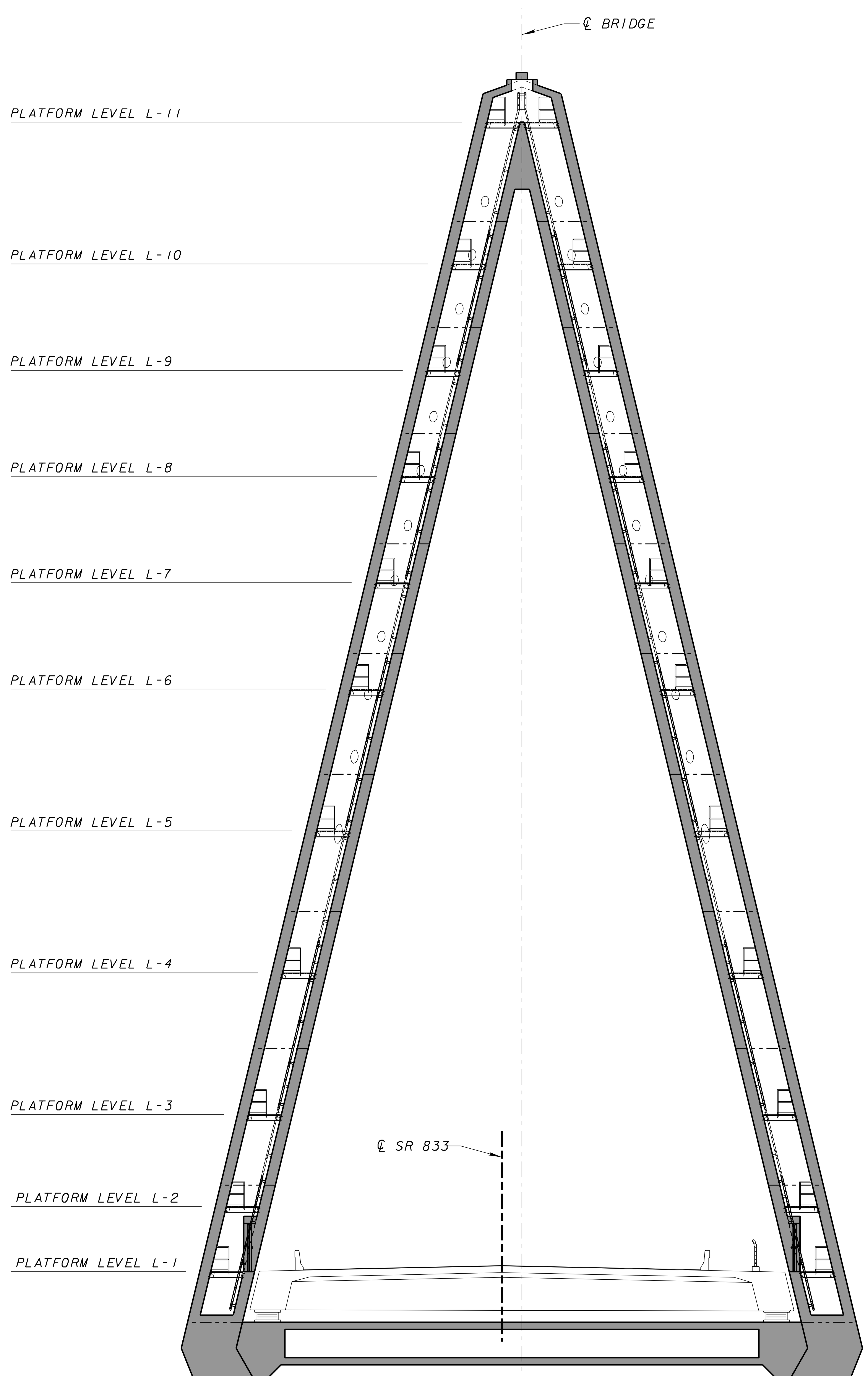
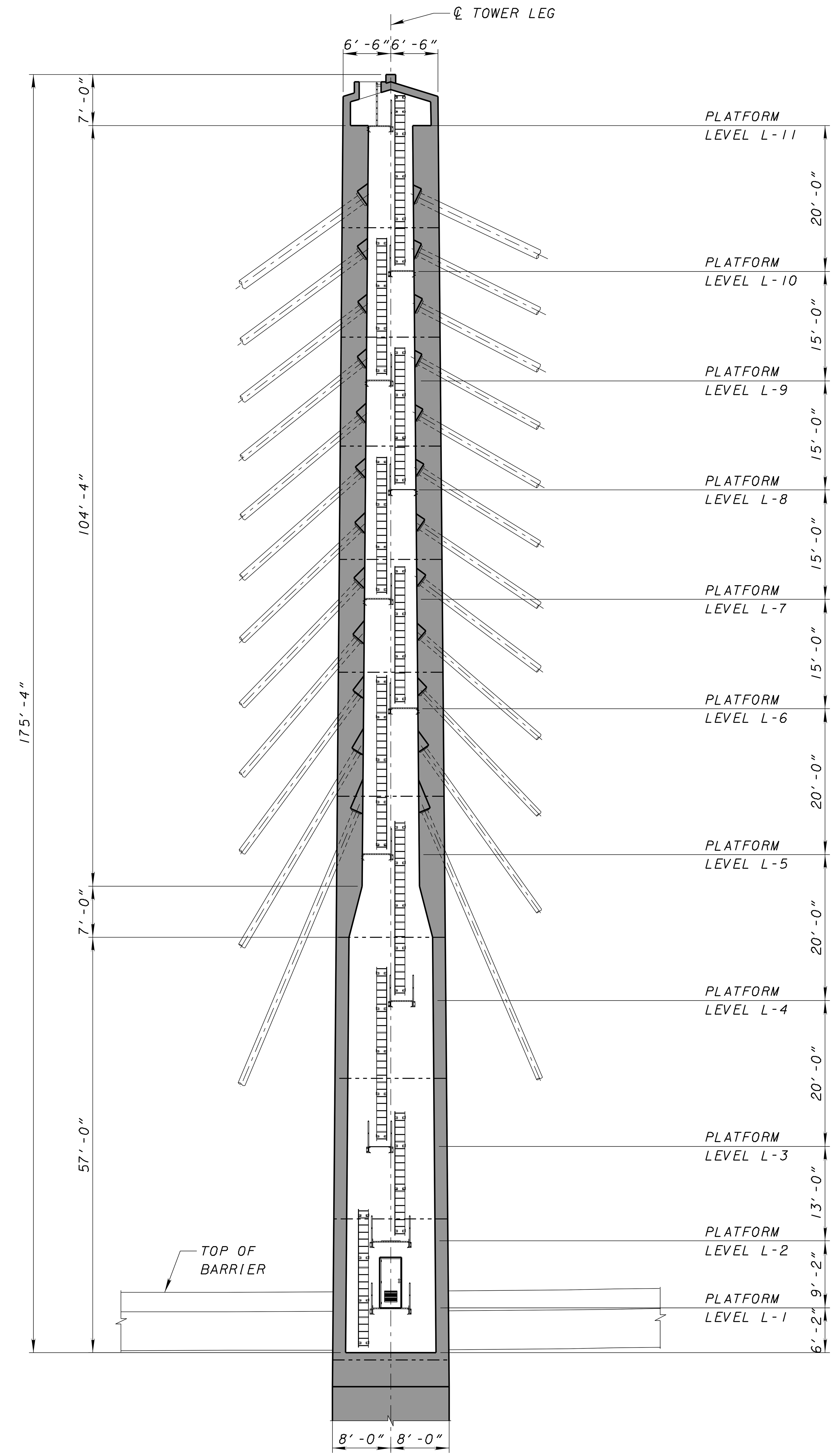


TOWER FRONT ELEVATION

(WV TOWER SHOWN, OH TOWER SIMILAR)



SECTION THRU TOWER

(WV TOWER SHOWN, OH TOWER SIMILAR)

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

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CHECKED	REVISED	STRUCTURE FILE NUMBER	
SH		5300916 OH 10385 WV	

TOWER LADDER AND PLATFORM DETAILS (1)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

5/16/2006 7:27:54 AM
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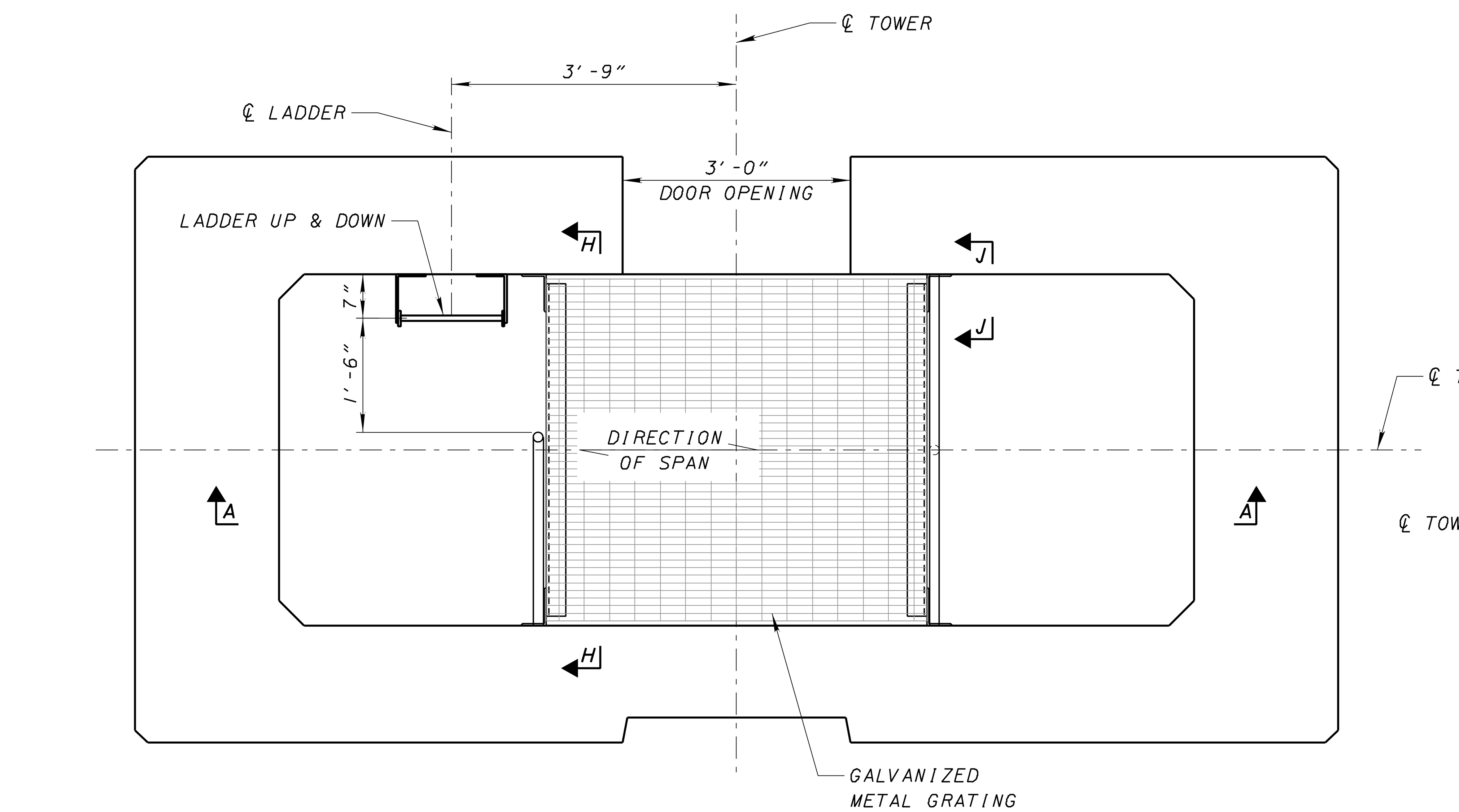
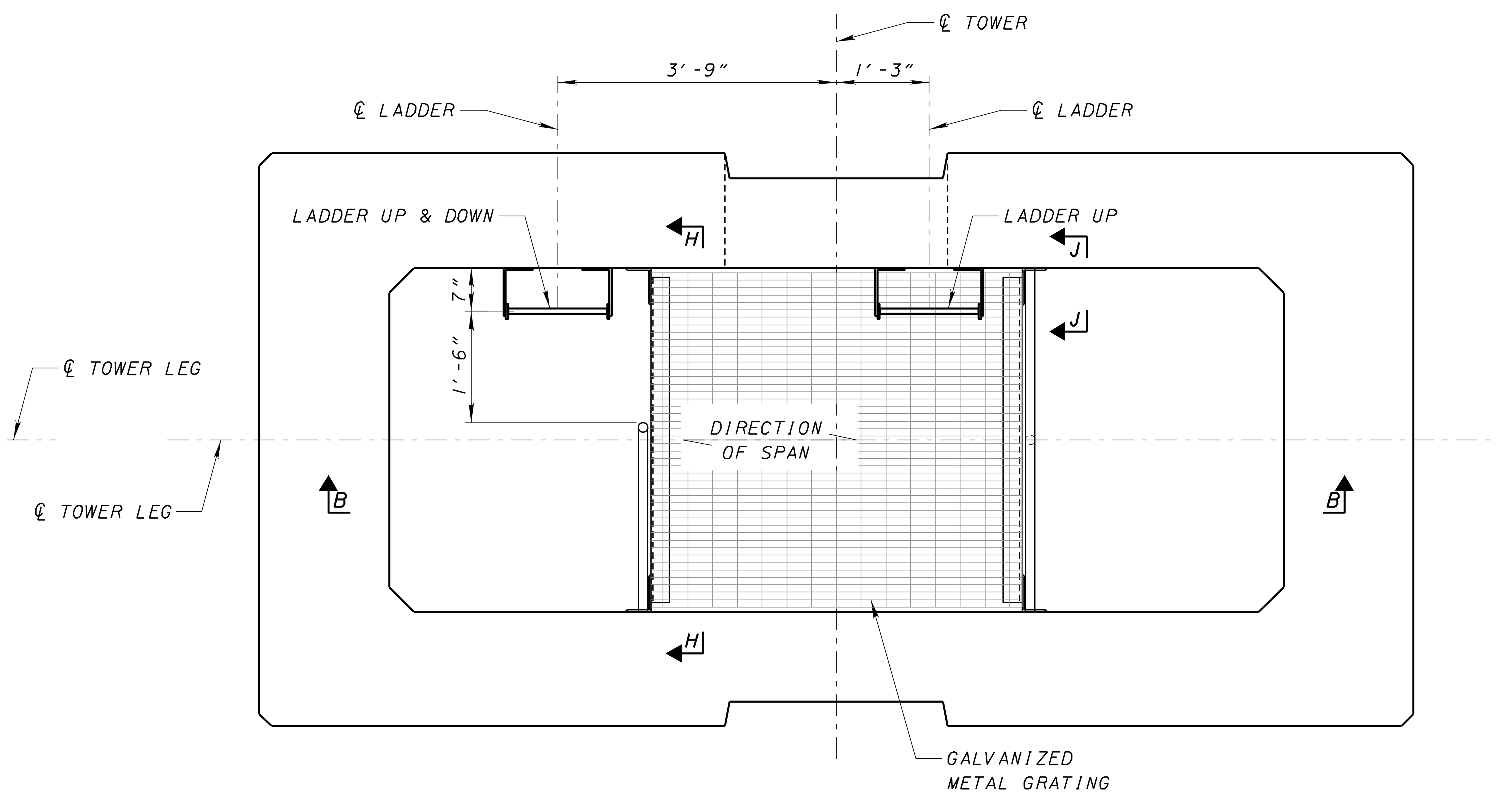
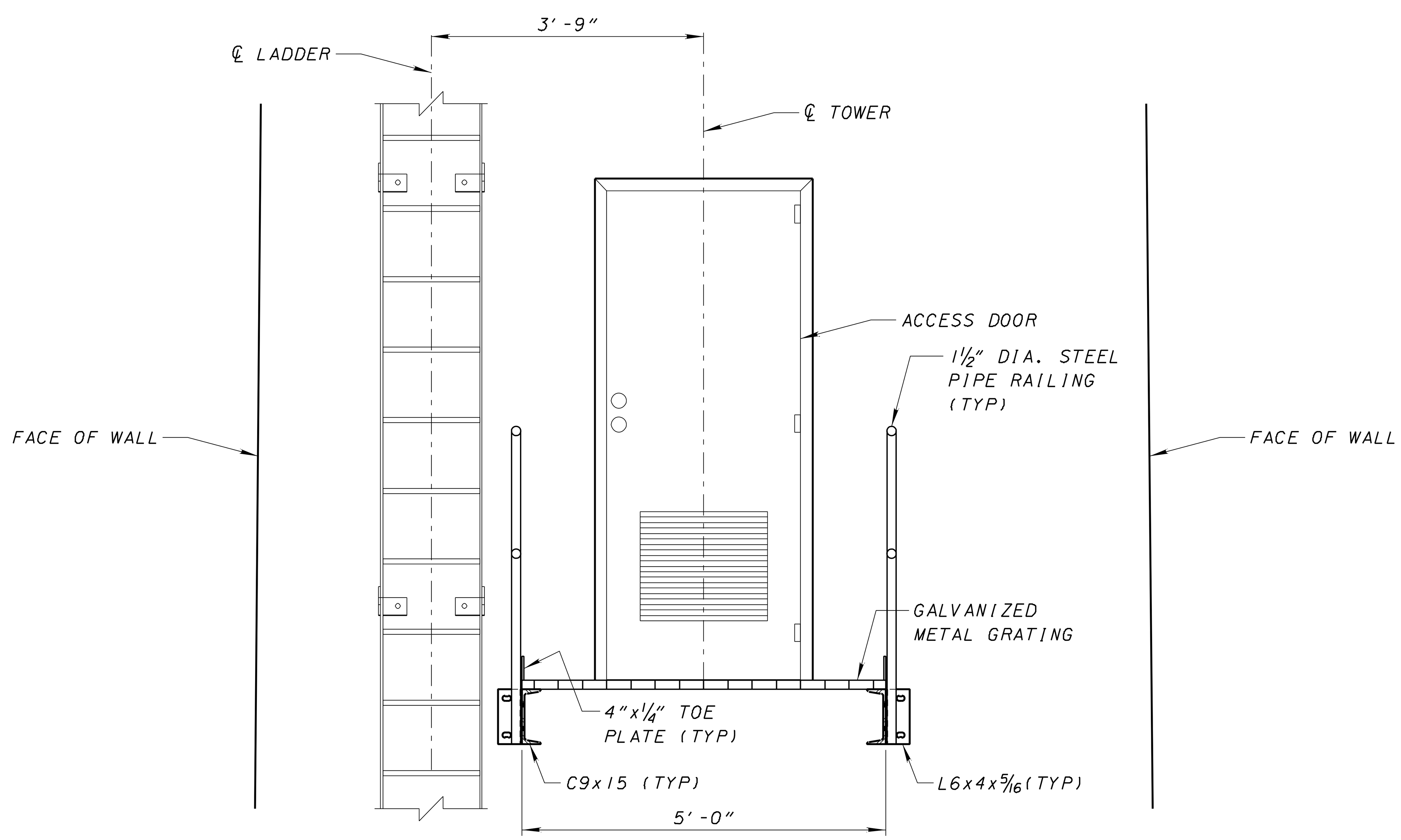


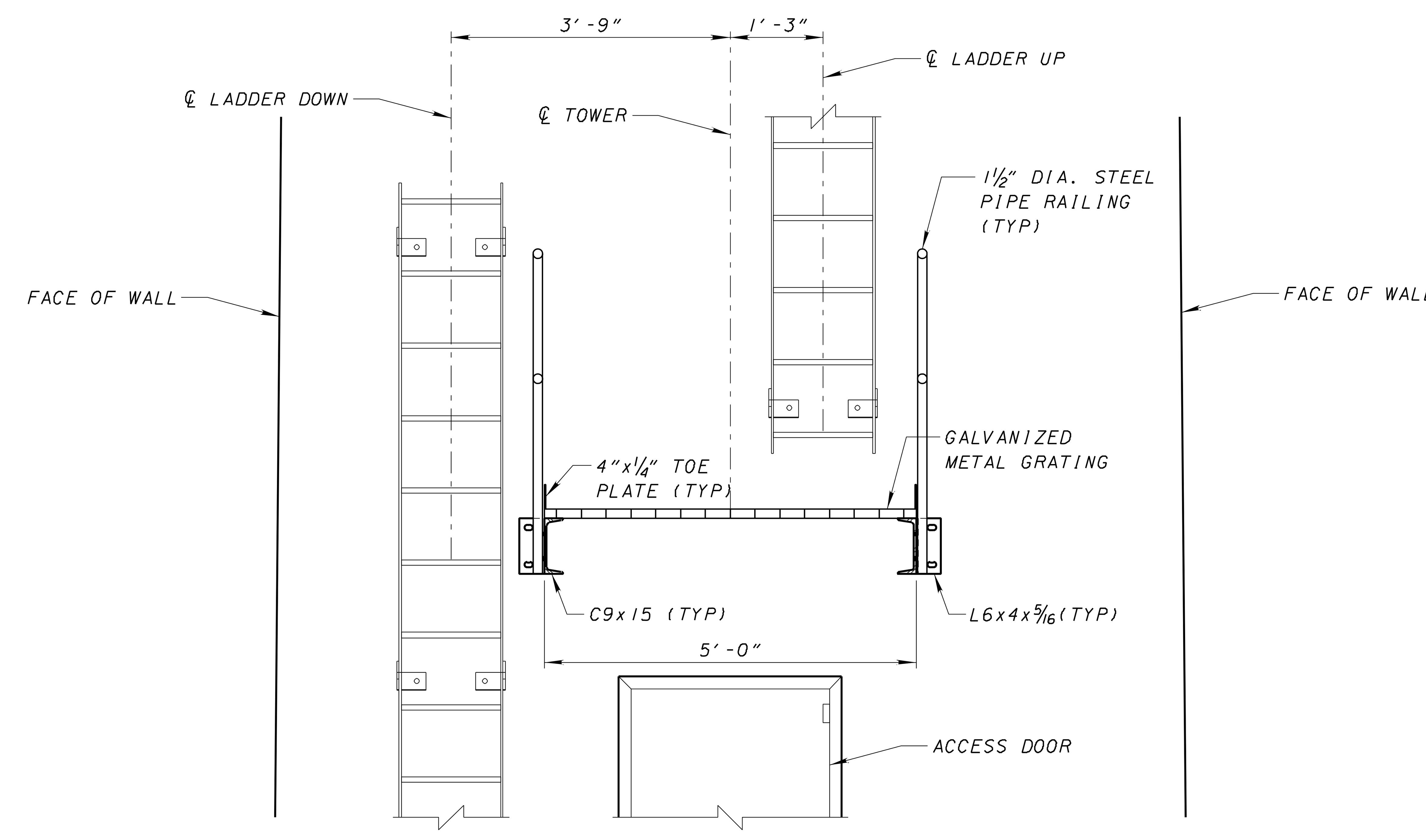
PLAN AT PLATFORM LEVEL L-1



PLAN AT PLATFORM LEVEL L-2



SECTION A-A



SECTION B-B

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
PS	CER	SLS	8-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
SH		5300916 OH 10385 WV	

TOWER LADDER AND PLATFORM DETAILS (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

177/243

507/582

5/16/2006 7:27:54 AM
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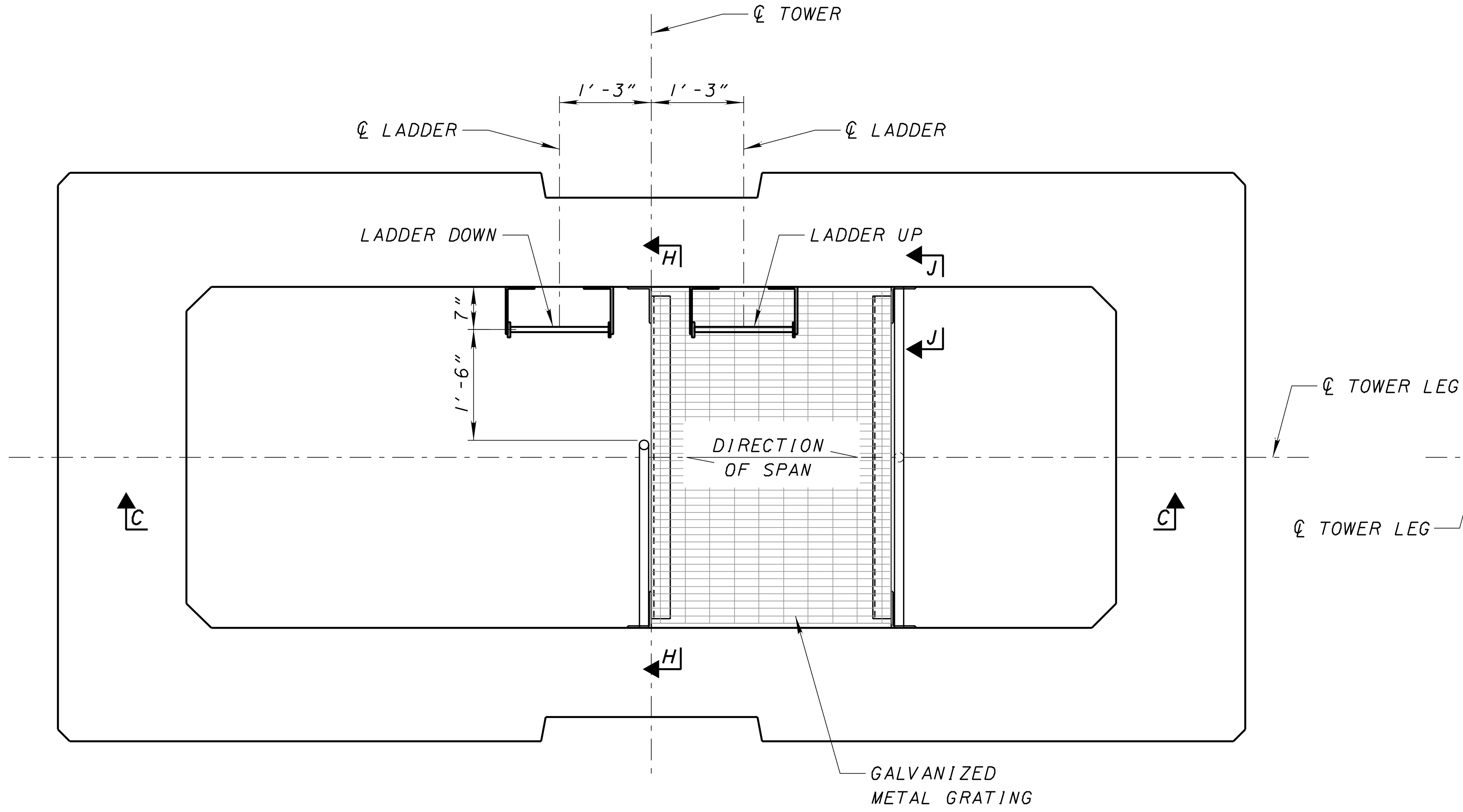
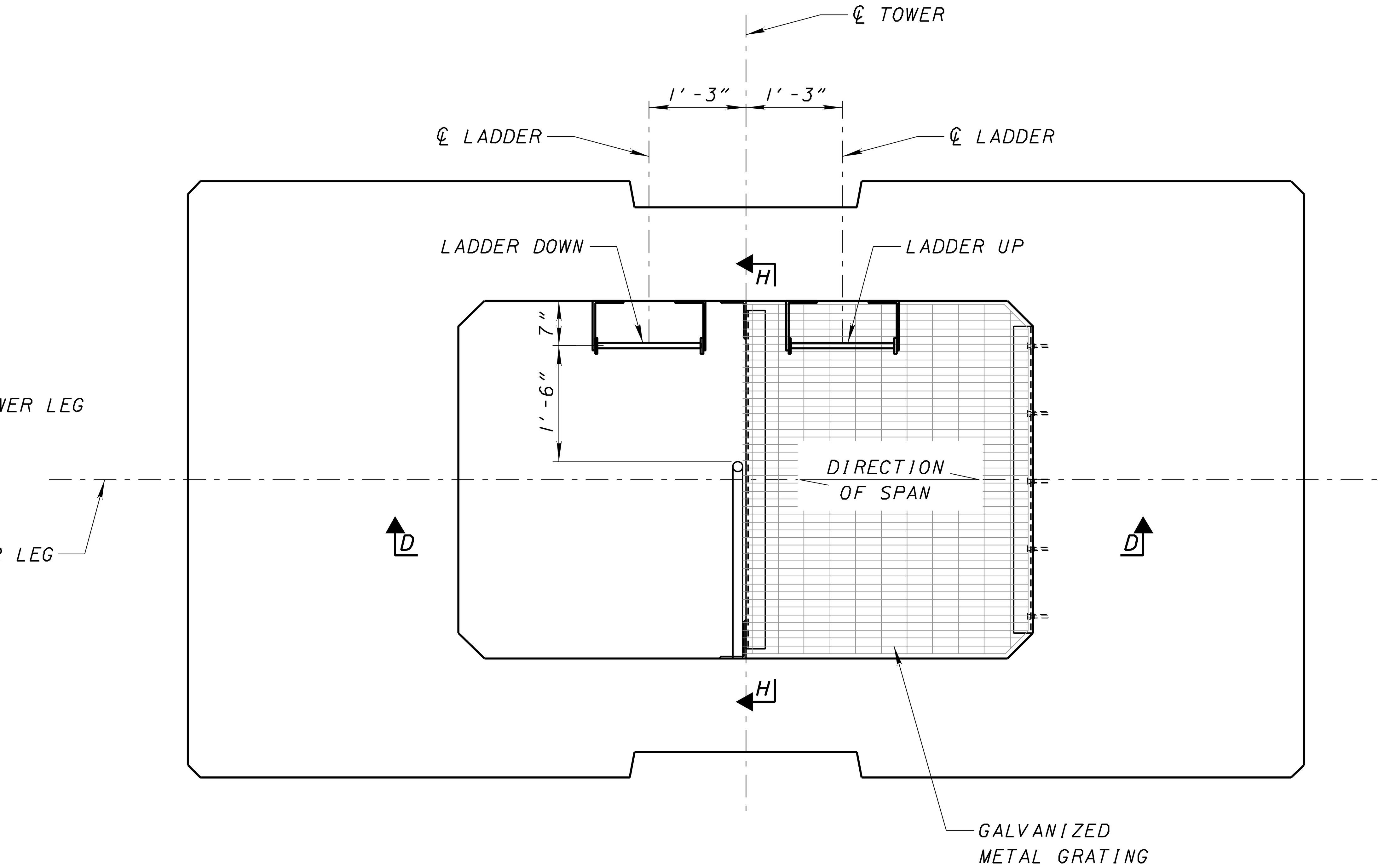


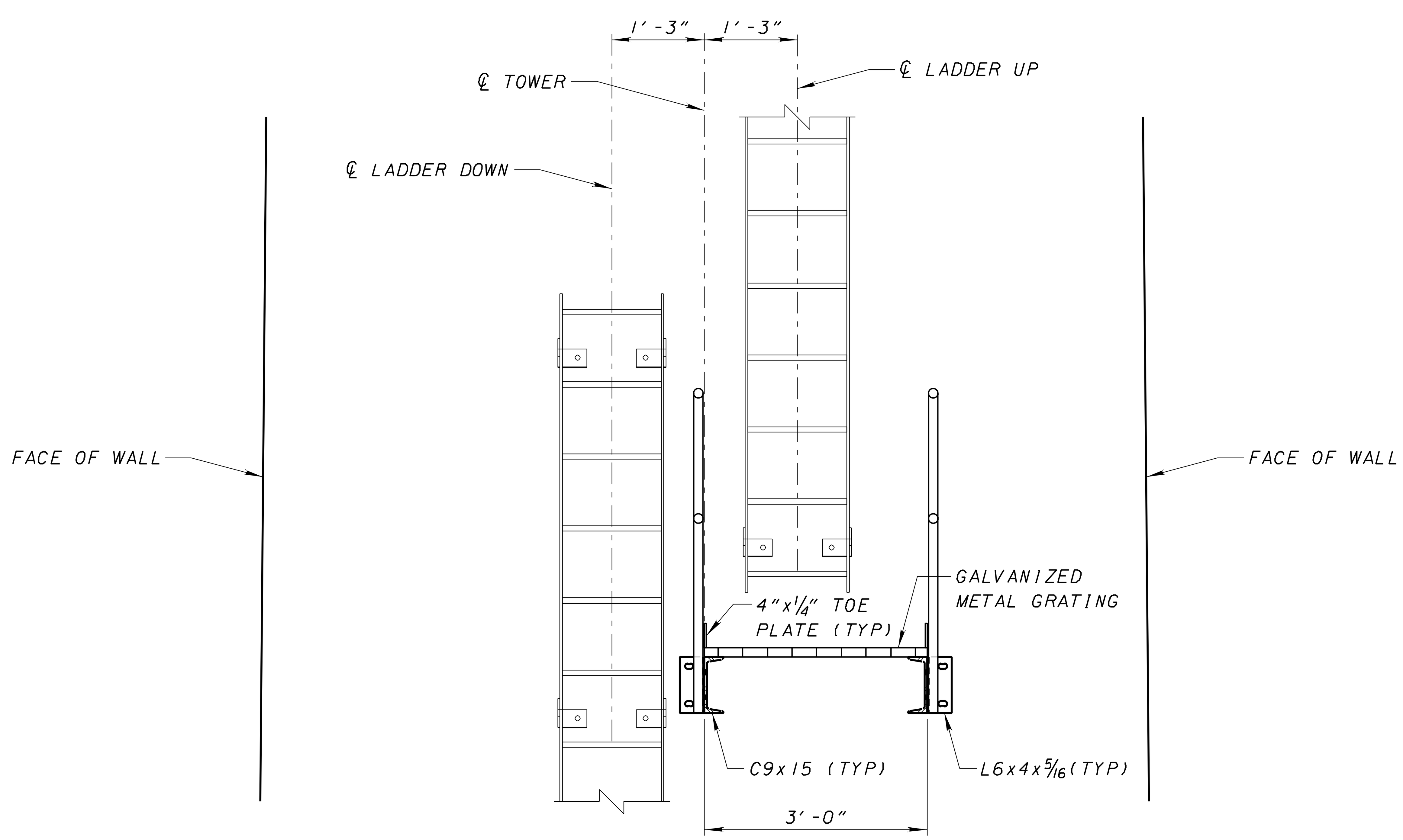
PLAN AT PLATFORM LEVELS L-3 & L-4

(PLATFORM LEVEL L-4 SHOWN, LEVEL L-3 MIRROR ABOUT ℄ TOWER)

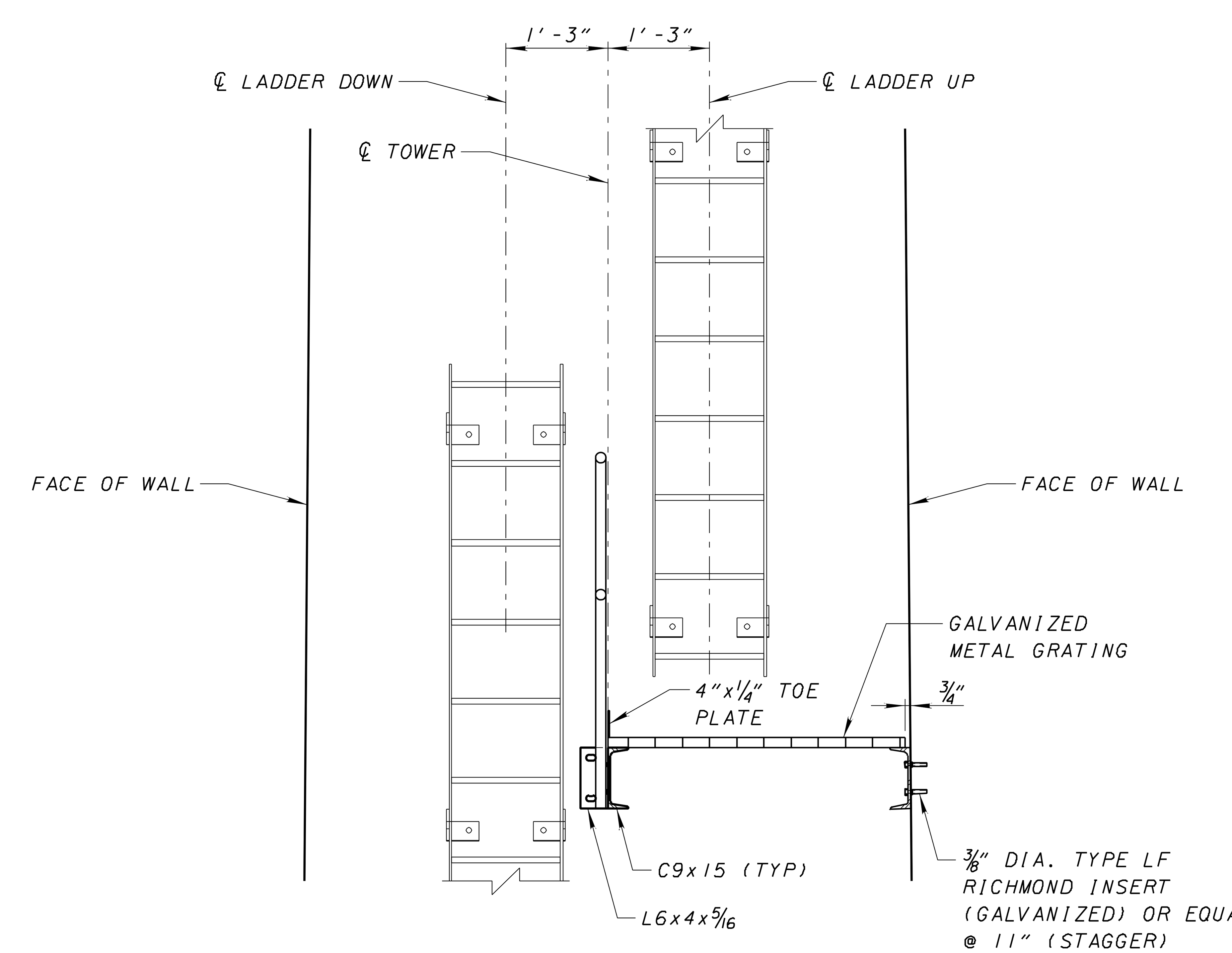


PLAN AT PLATFORM LEVELS L-5 THRU L-10

(PLATFORM LEVEL L-6 SHOWN, LEVELS L-8 & L-10 SIMILAR, LEVELS L-5, L-7 & L-9 MIRROR ABOUT ℄ TOWER)



SECTION C-C



SECTION D-D

DESIGN AGENCY BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
PS	CER	SLS	8-02
CHECKED SH	REVISED	STRUCTURE FILE NUMBER 5300916 OH 10385 WV	

TOWER LADDER AND PLATFORM DETAILS (3)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

178/243

508/582

5/16/2006 7:27:54 AM
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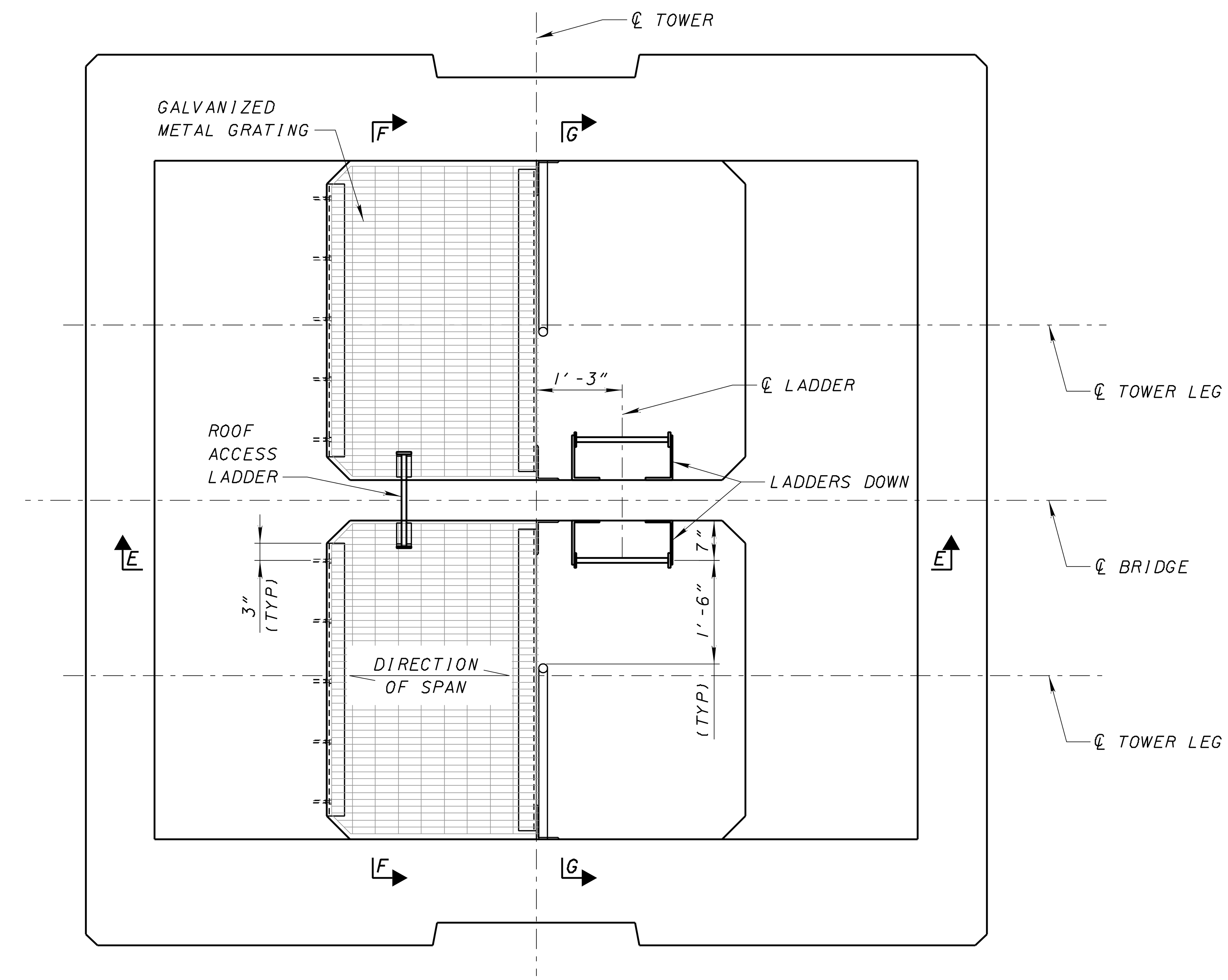
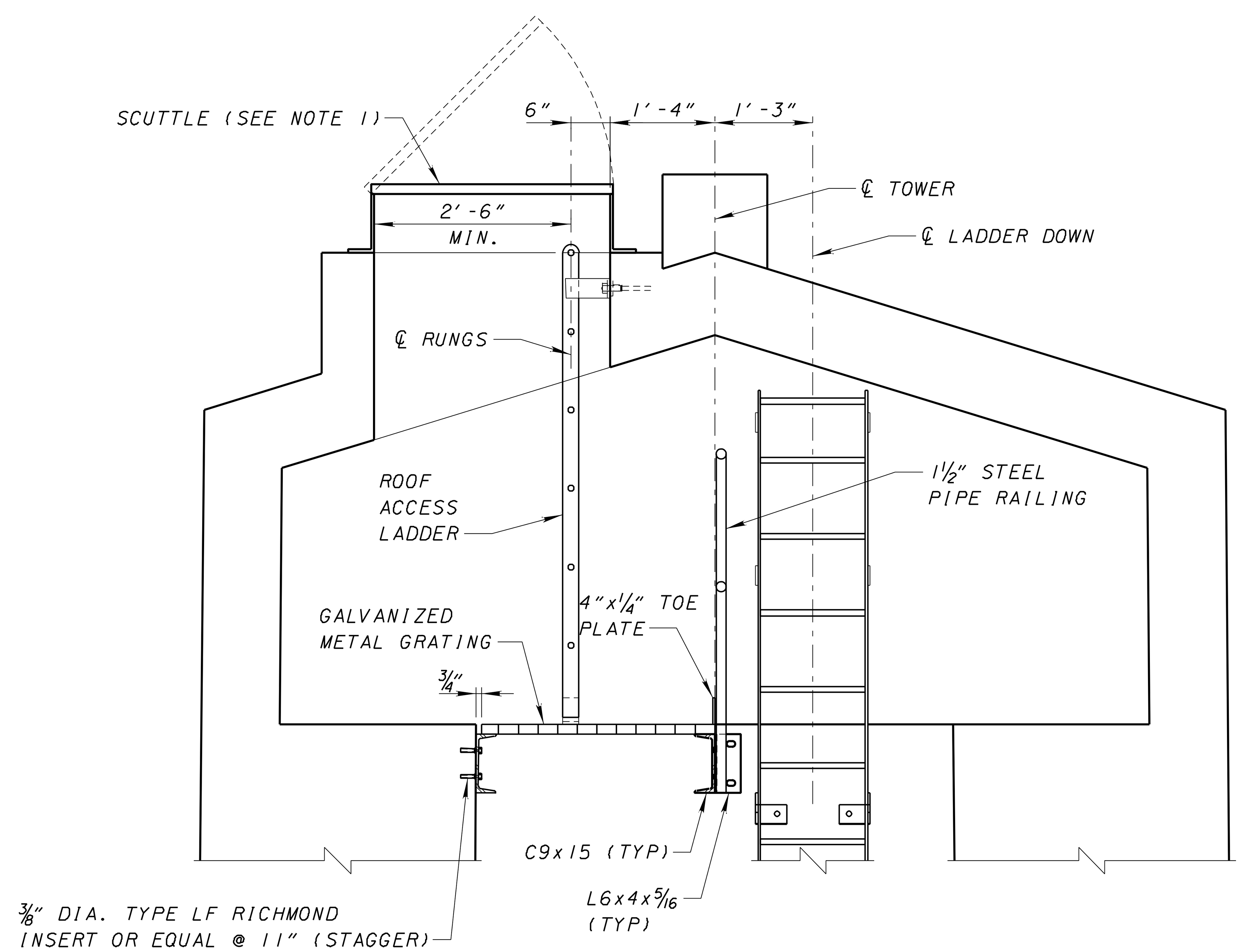
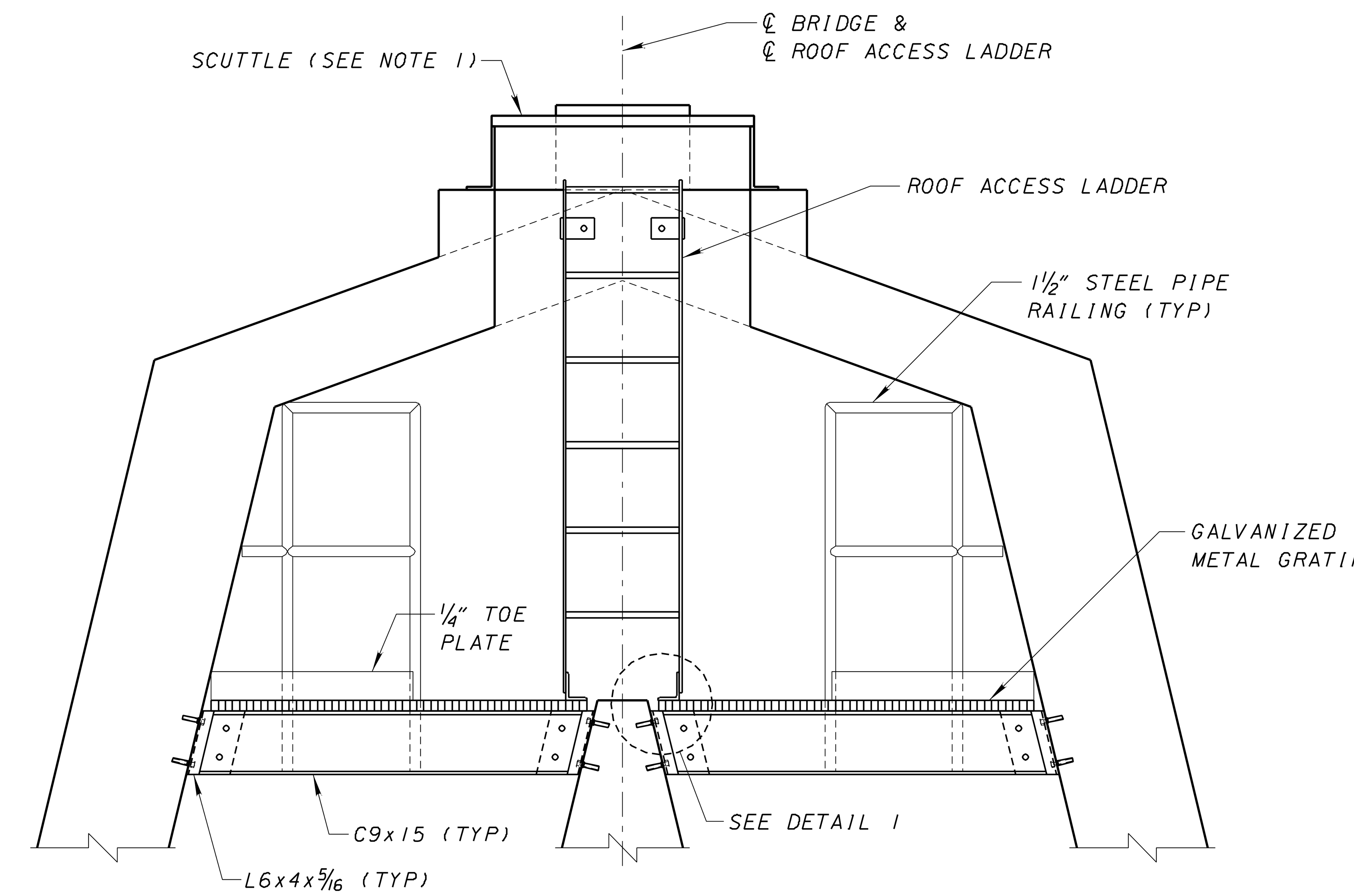


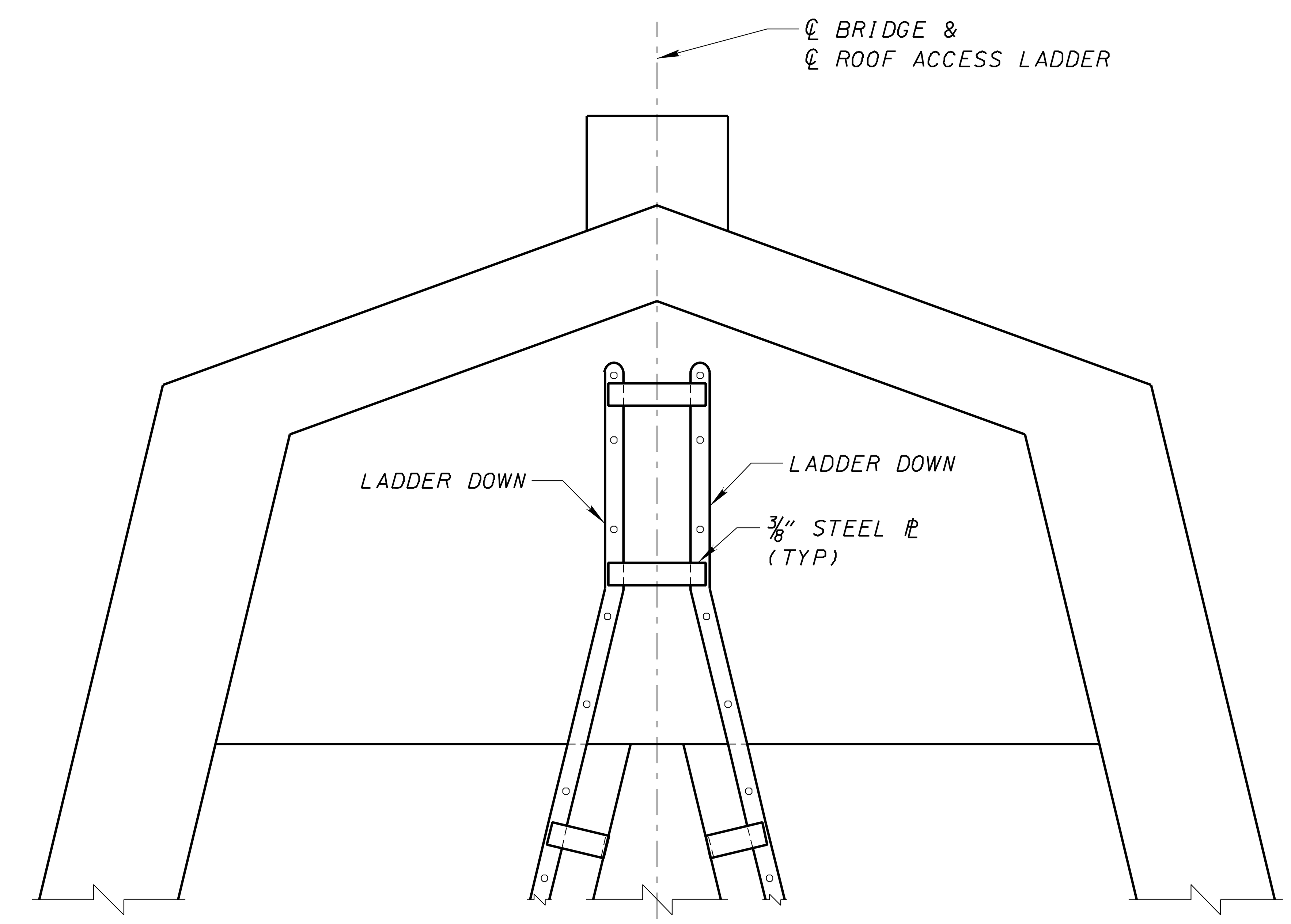
SECTION AT PLATFORM LEVEL L-11



SECTION E-E



SECTION F-F



SECTION G-G

NOTES

1. THE ROOF SCUTTLE SHALL BE TYPE E AS MANUFACTURED BY THE BILCO COMPANY OF NEW HAVEN, CT.; TYPE SINGLE LEAF AS MANUFACTURED BY BABCOCK-DAVIS HATCHWAYS INC. OF ARLINGTON, VA. OR AN APPROVED EQUAL.

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CHECKED	REVISED	STRUCTURE FILE NUMBER	
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TOWER LADDER AND PLATFORM DETAILS (4)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

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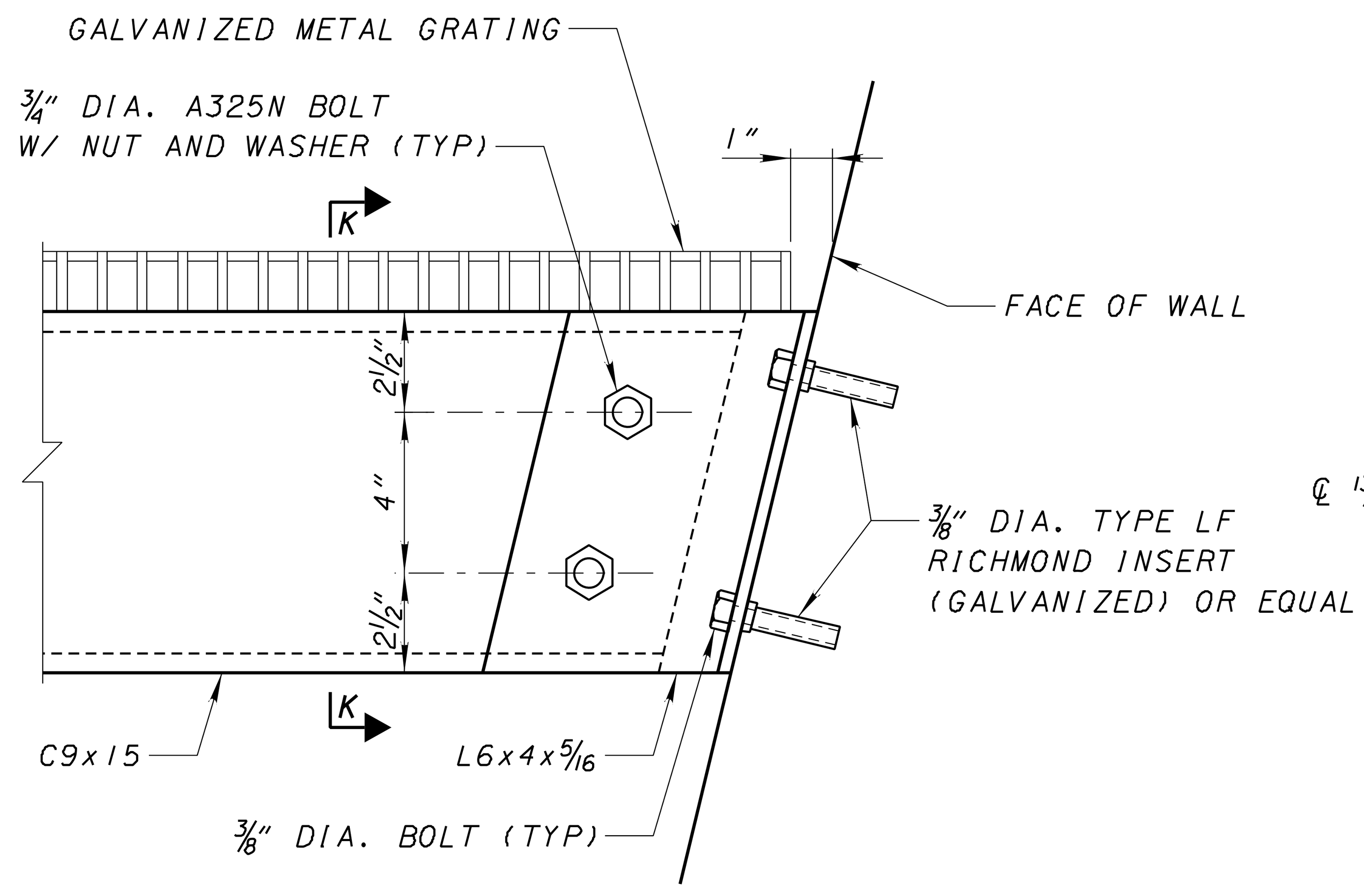
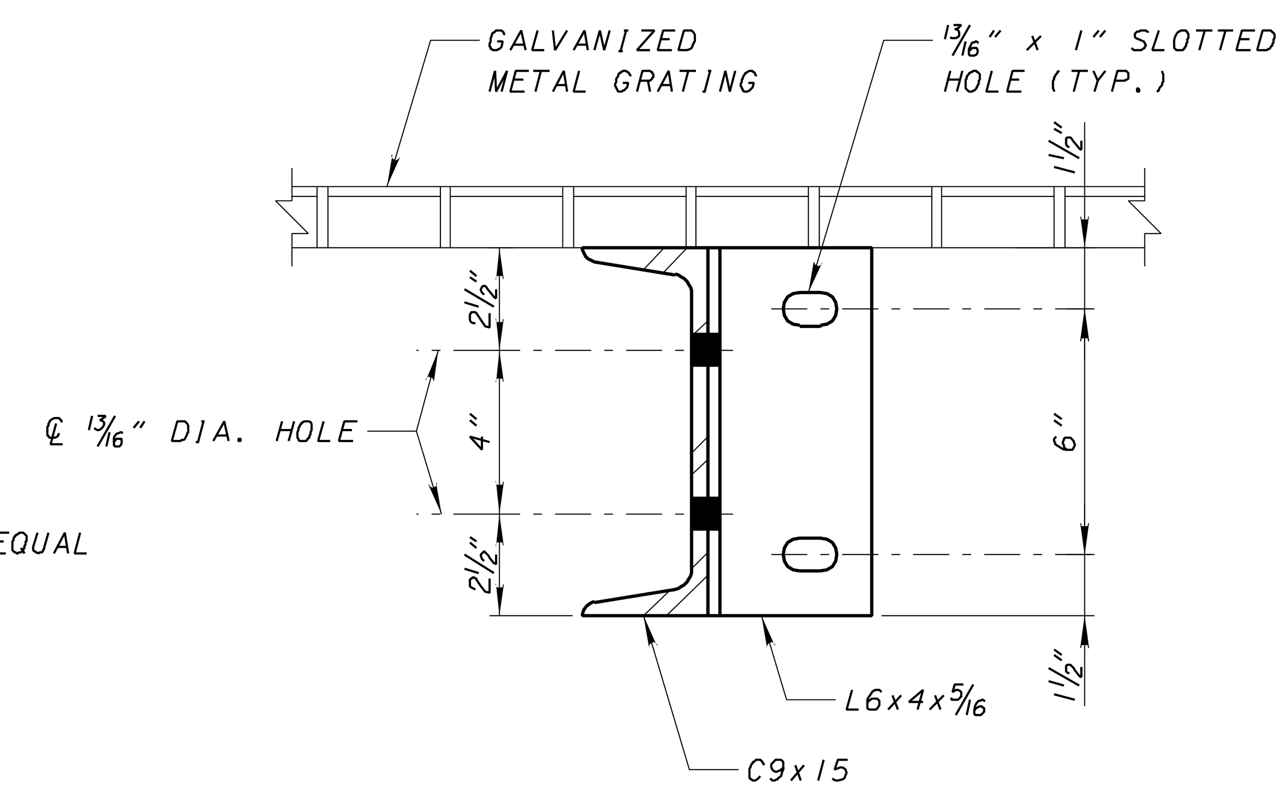
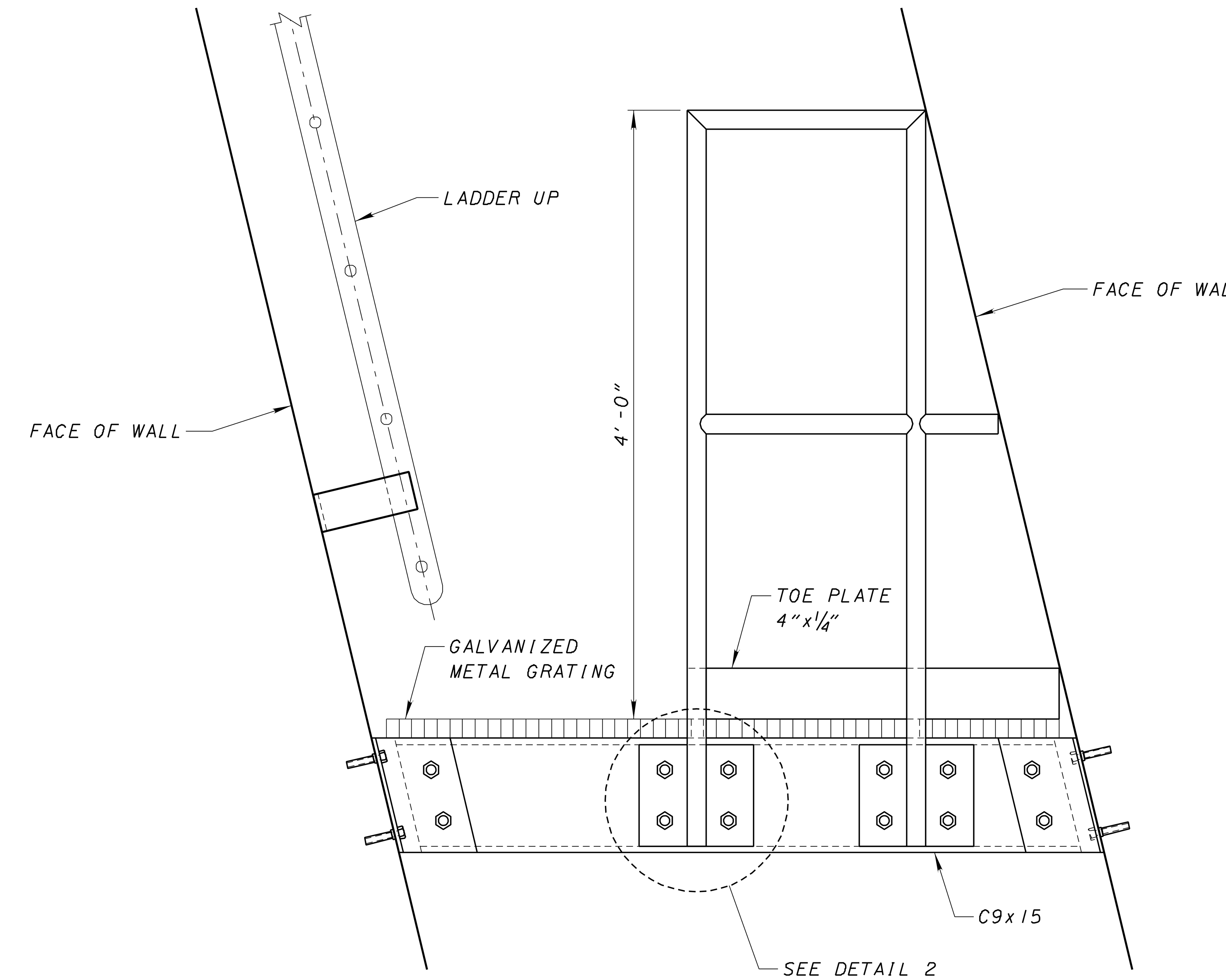


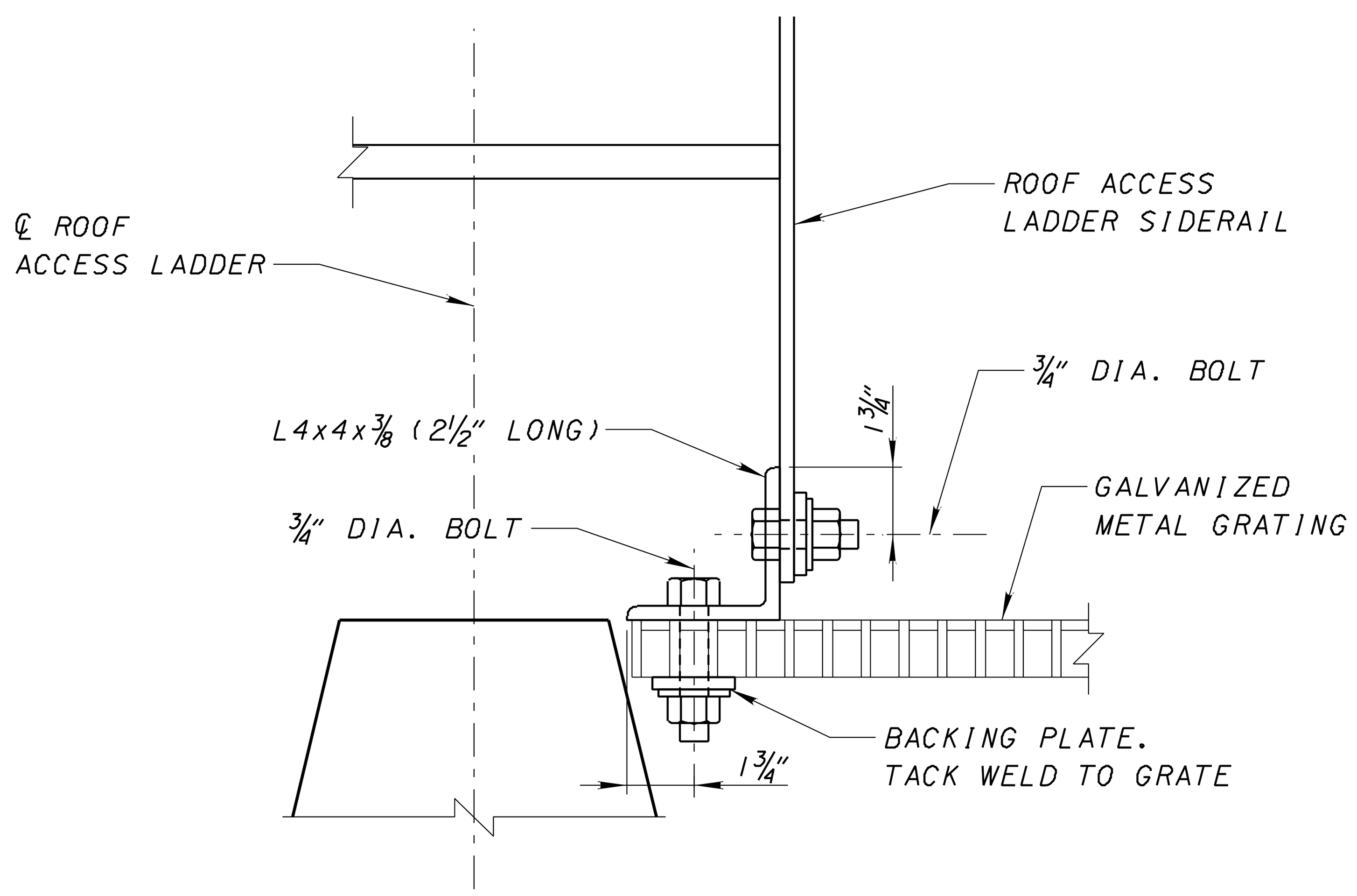
SECTION J-J



SECTION K-K

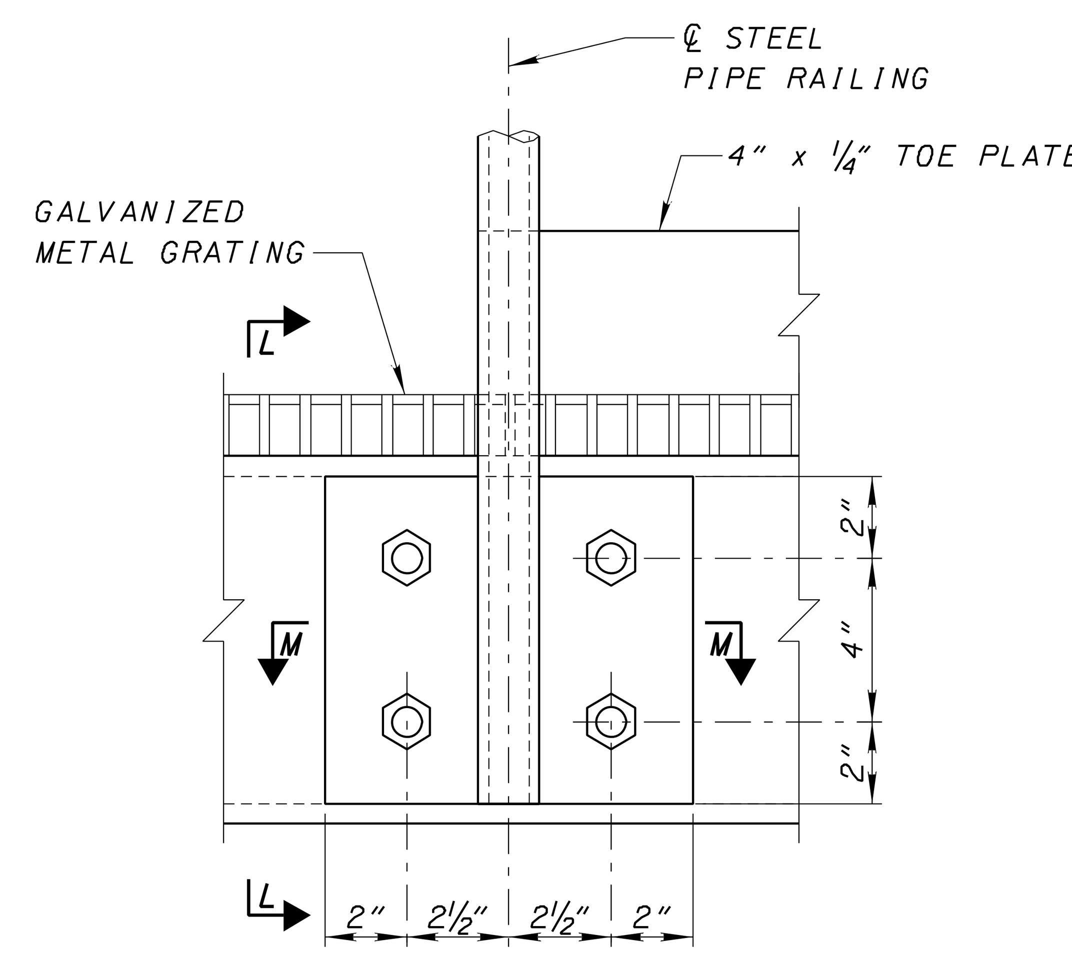


SECTION H-H

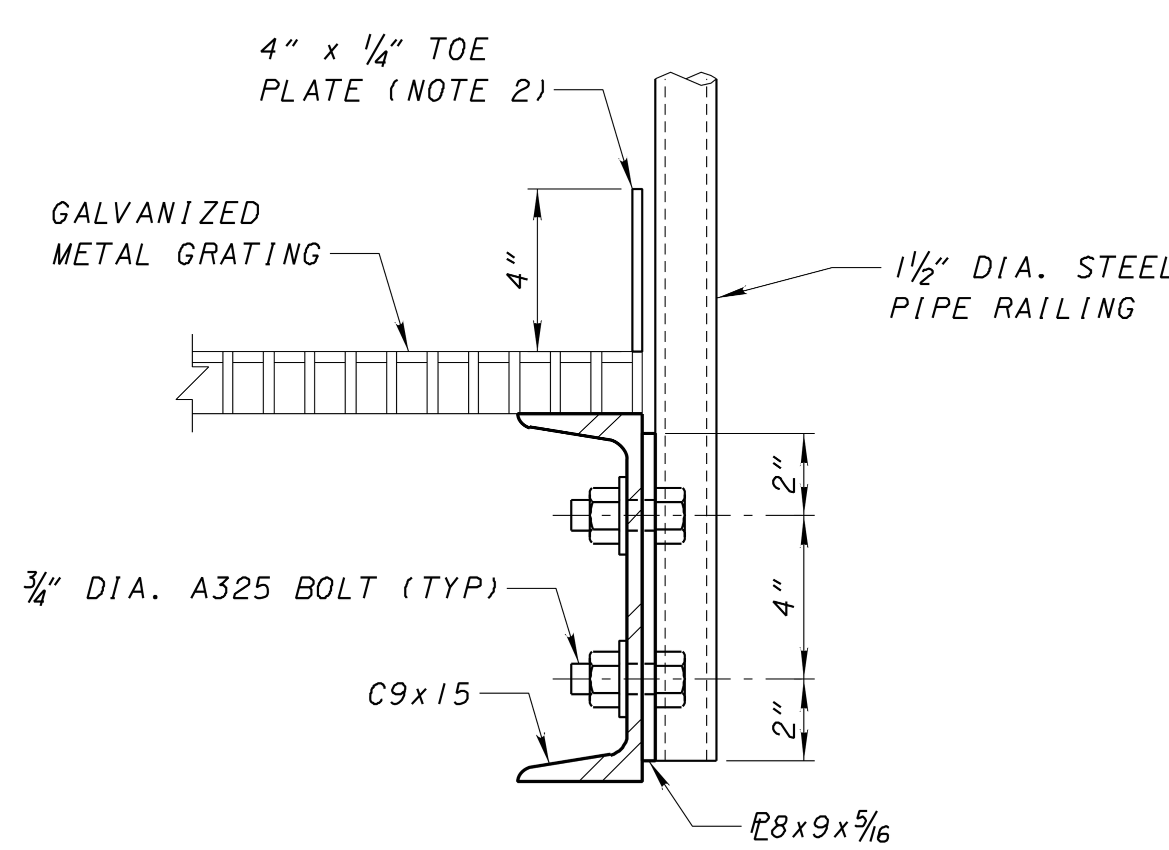


DETAIL 1

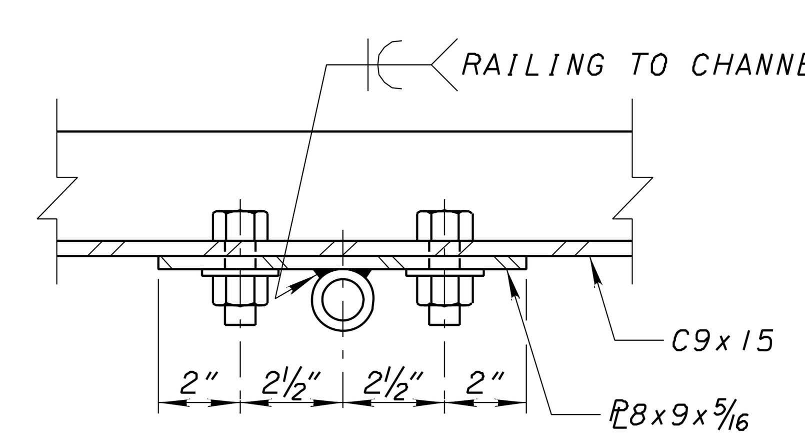
(PLATFORM LEVEL L-11 ONLY)



DETAIL 2



SECTION L-L



SECTION M-M

NOTES

1. METAL GRATING TO BE FASTENED TO THE CHANNEL SUPPORT AT 1'-6" SPACING MINIMUM. FASTENERS AS PER GRATING MANUFACTURER.
2. TOE PLATE TO BE INTEGRATED WITH METAL GRATING.
3. METAL GRATING SHALL BE 1 1/4" x 1/8" (MINIMUM) BEARING BARS SPACED AT 1 3/16" ON CENTER AND STANDARD CROSS BARS SPACED AT 4" ON CENTER.
4. ALL LADDER, GRATING SUPPORTS, SECTION OF GRATING, BOLTS, NUTS & WASHERS SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123.

DESIGN AGENCY
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TOWER LADDER AND PLATFORM DETAILS (5)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

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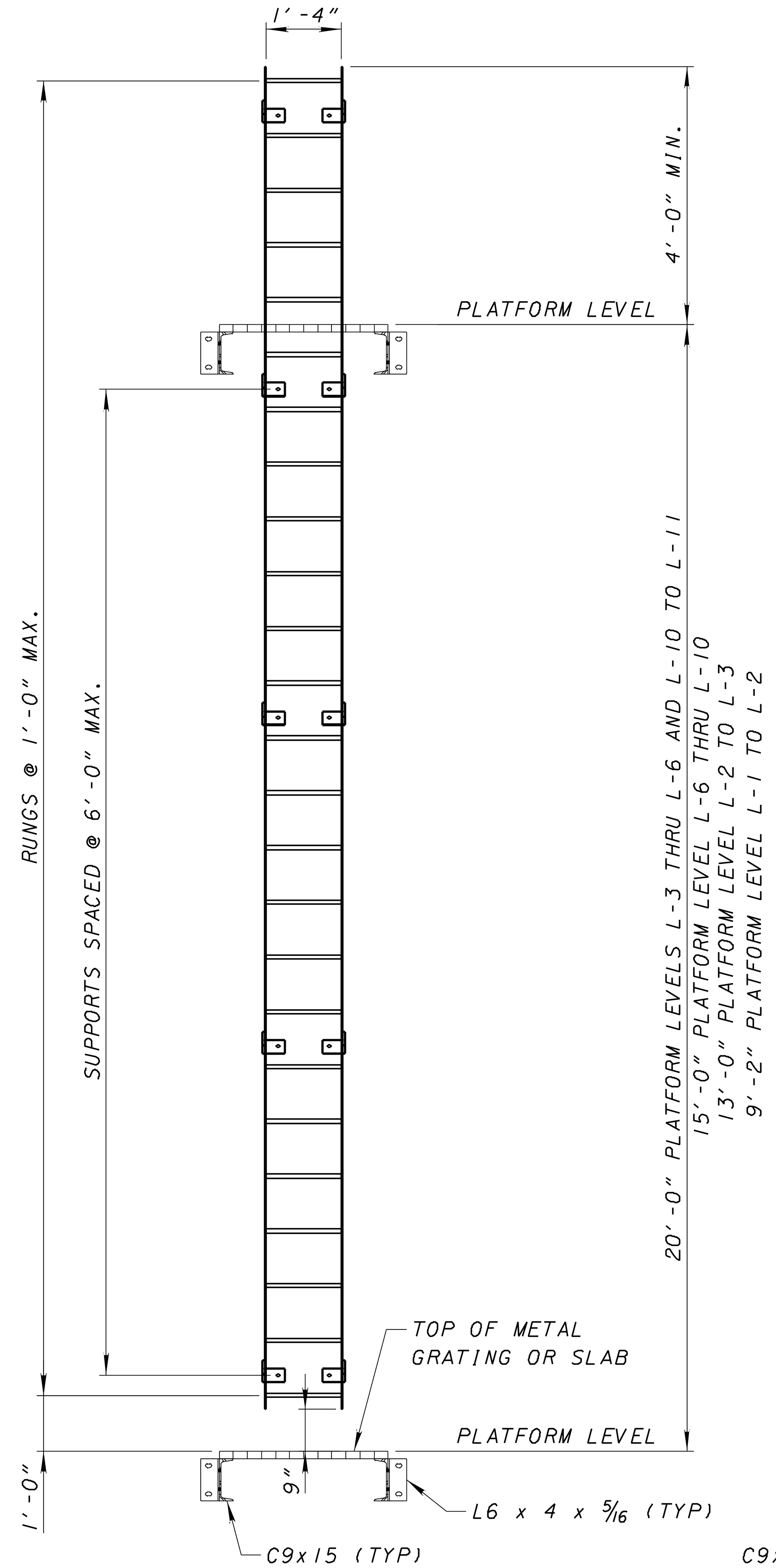
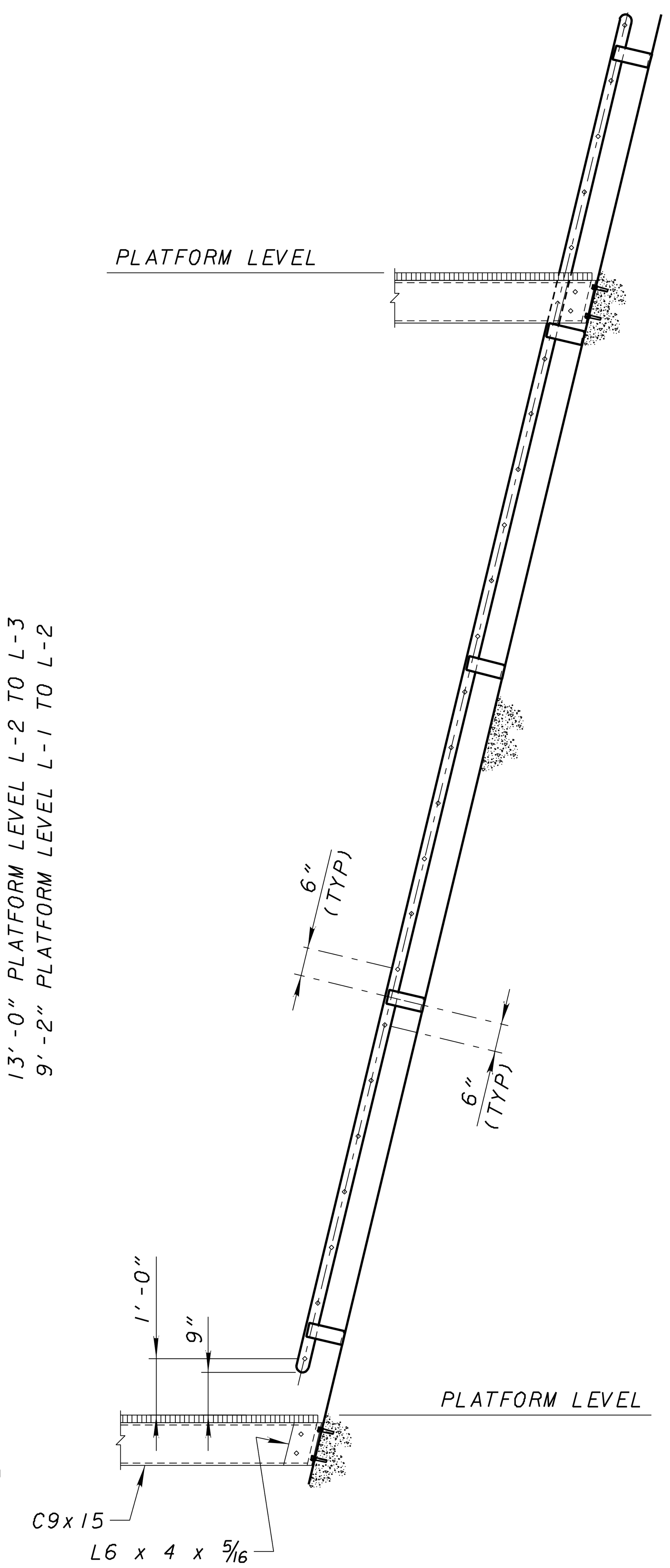
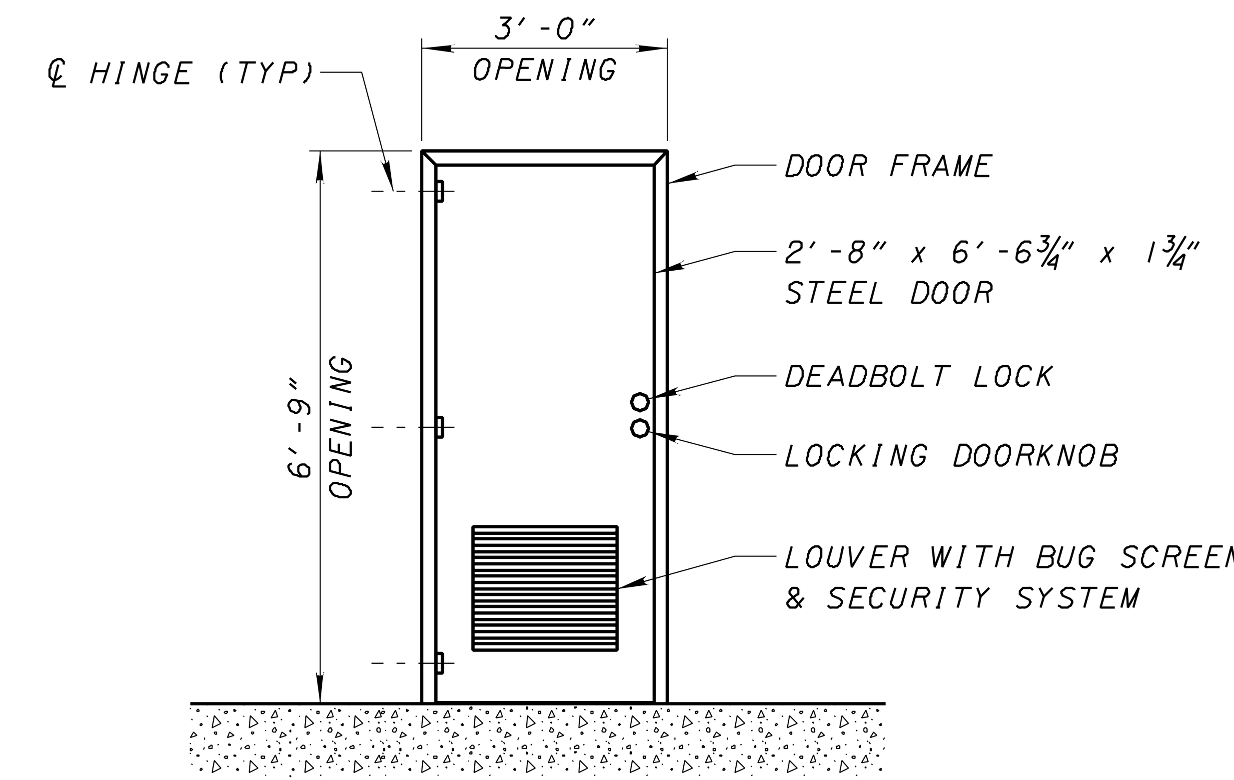


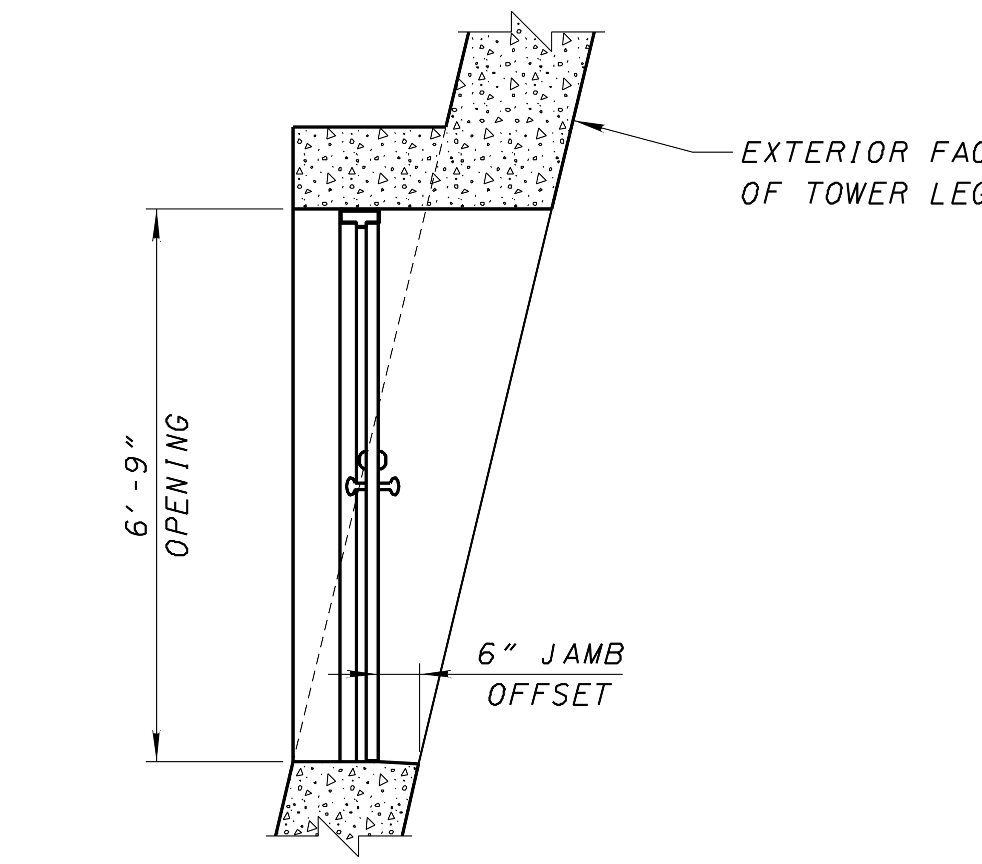
LADDER FRONT ELEVATION



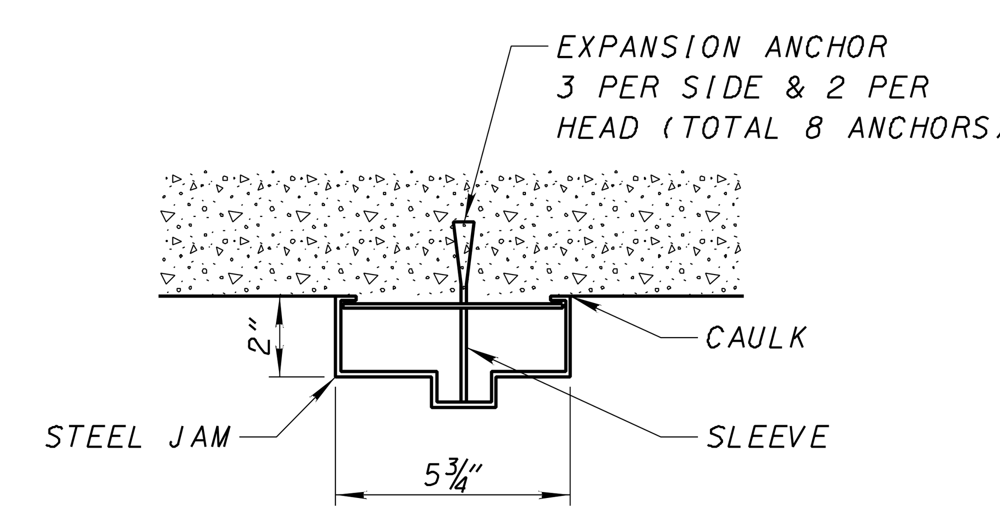
LADDER SIDE ELEVATION



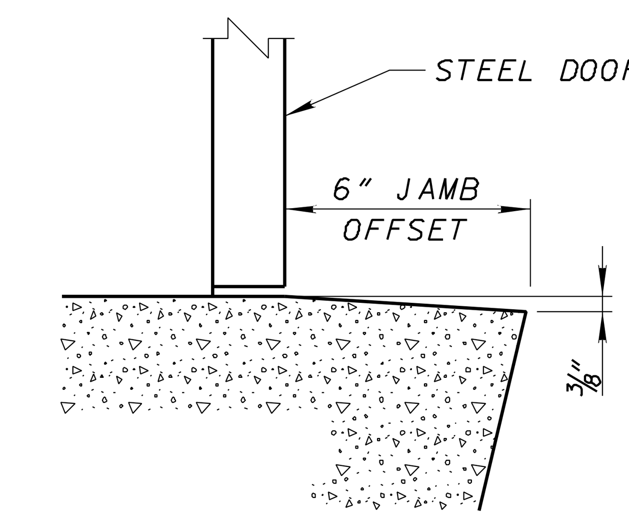
DOOR ELEVATION



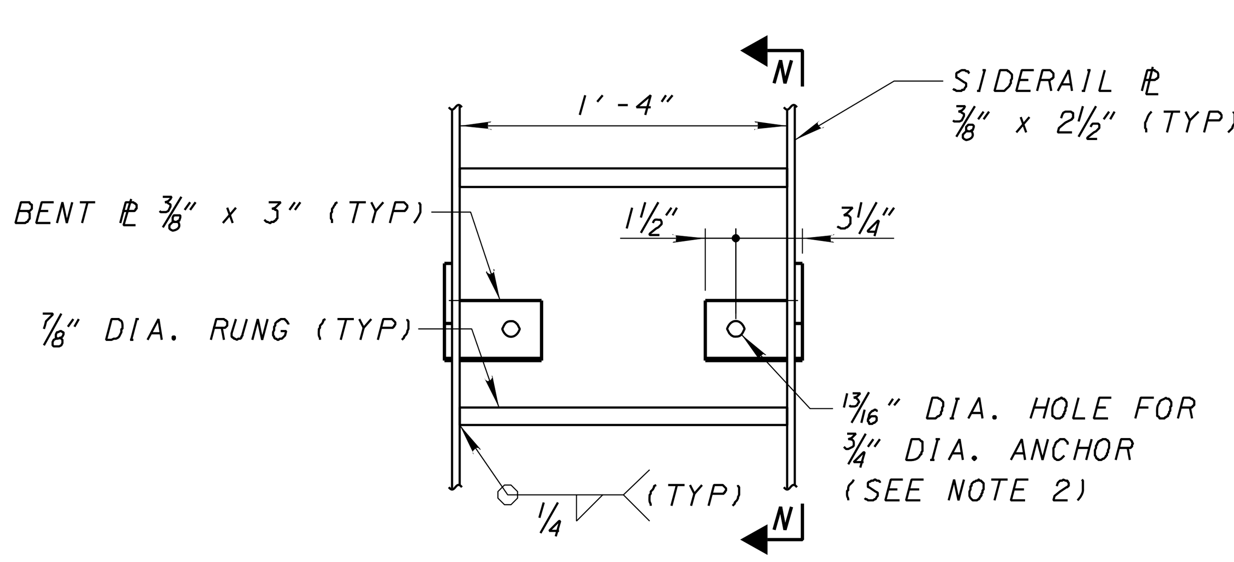
DOOR SECTION



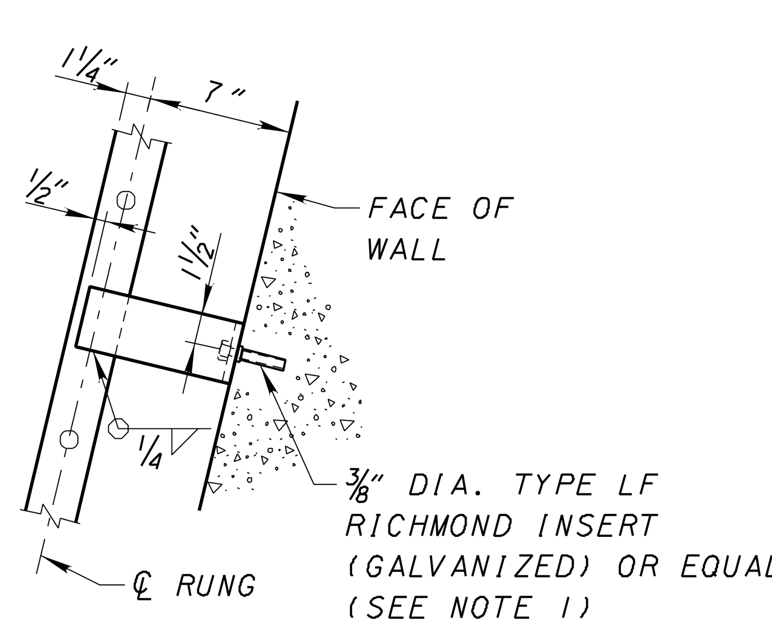
DOOR FRAME DETAIL



WASH DETAIL



LADDER ANCHOR DETAIL



SECTION N-N

NOTES

1. CONTRACTOR SHALL COORDINATE LOCATION OF CAST-IN-PLACE EMBEDMENTS BEFORE FABRICATING LADDERS.
2. SUB-PUNCH HOLES AND REEM TO FULL SIZE IN FIELD.
3. STRUCTURAL STEEL SHALL CONFORM TO ASTM A709, GRADE 36.
4. ALL LADDERS, GRATING SUPPORTS, SECTION OF GRATING, BOLTS, NUTS & WASHERS SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123.
5. ACCESS DOORS & ACCESS DOOR FRAMES SHALL BE STAINLESS STEEL CONFORMING TO ASTM A304.
6. LIGHTNING PROTECTION SYSTEM SHALL BE BONDED TO ALL LADDERS AND PLATFORMS. SEE SHEET NOS. 182-184/243.

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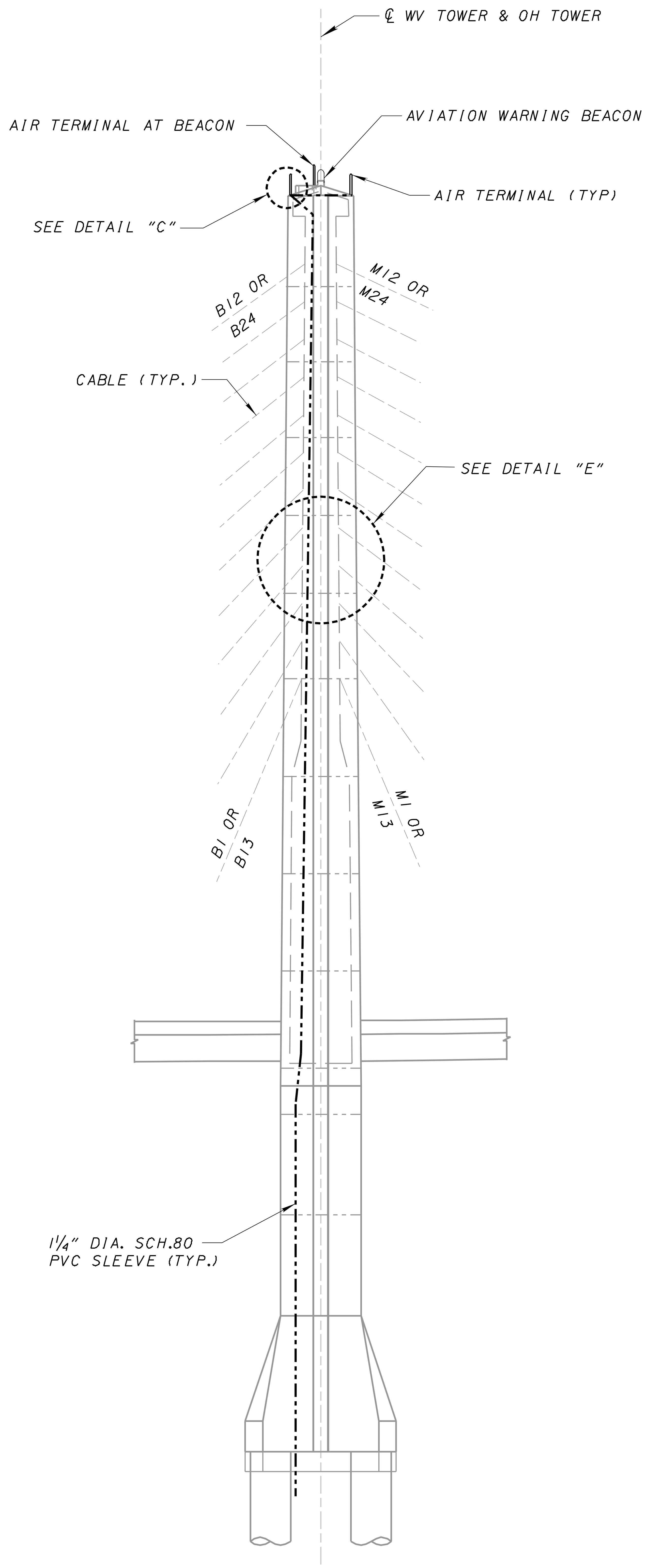
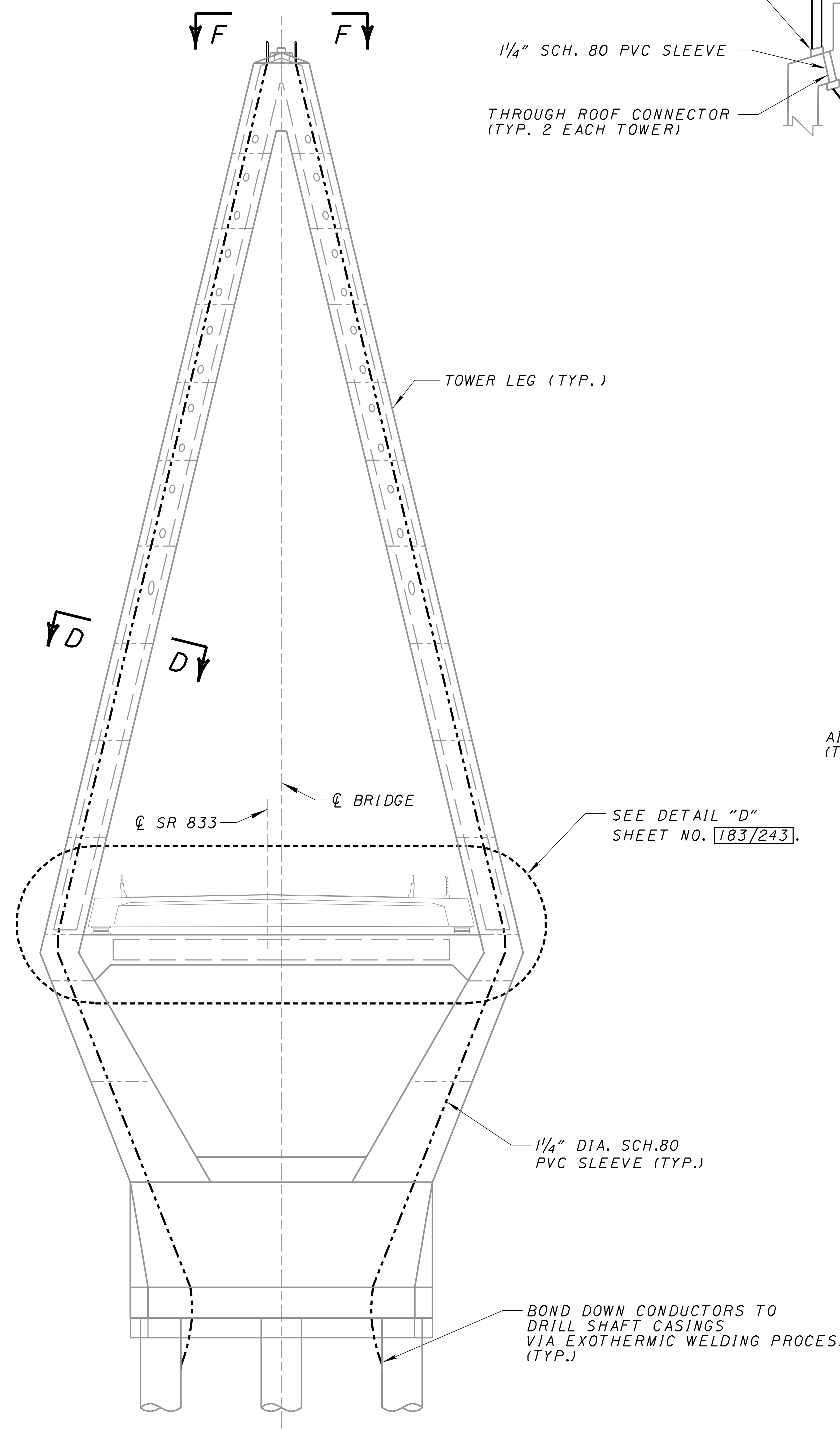
TOWER LADDER AND PLATFORM DETAILS (6)

BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

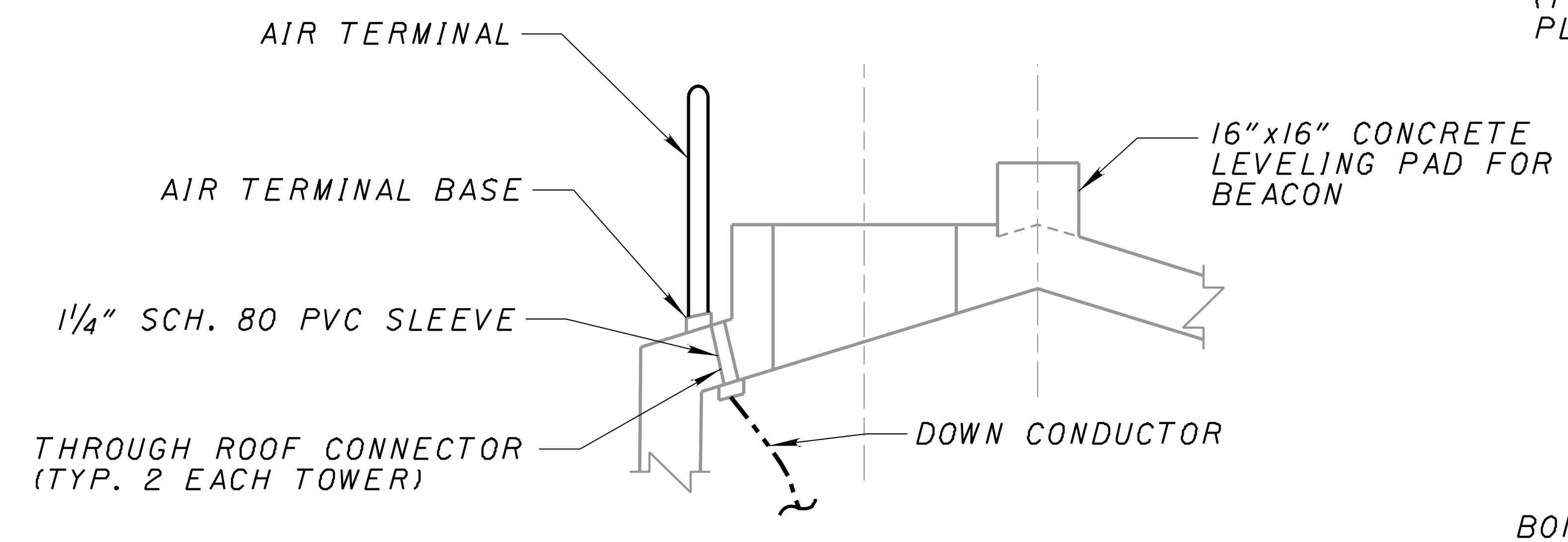
MEG-33-15.70



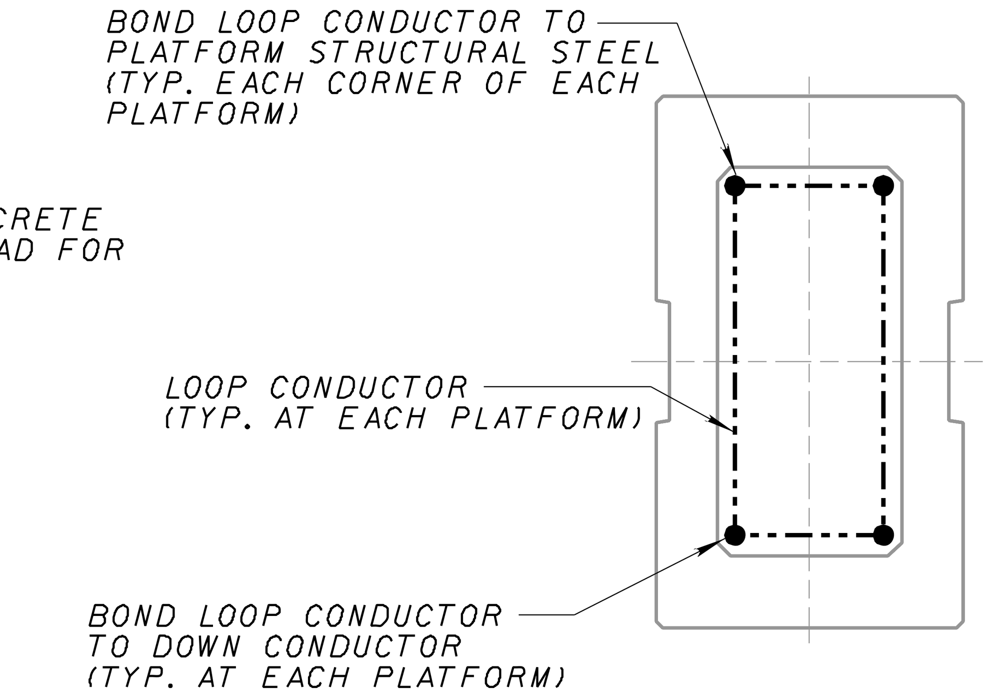
TOWER SIDE ELEVATION



TOWER FRONT ELEVATION

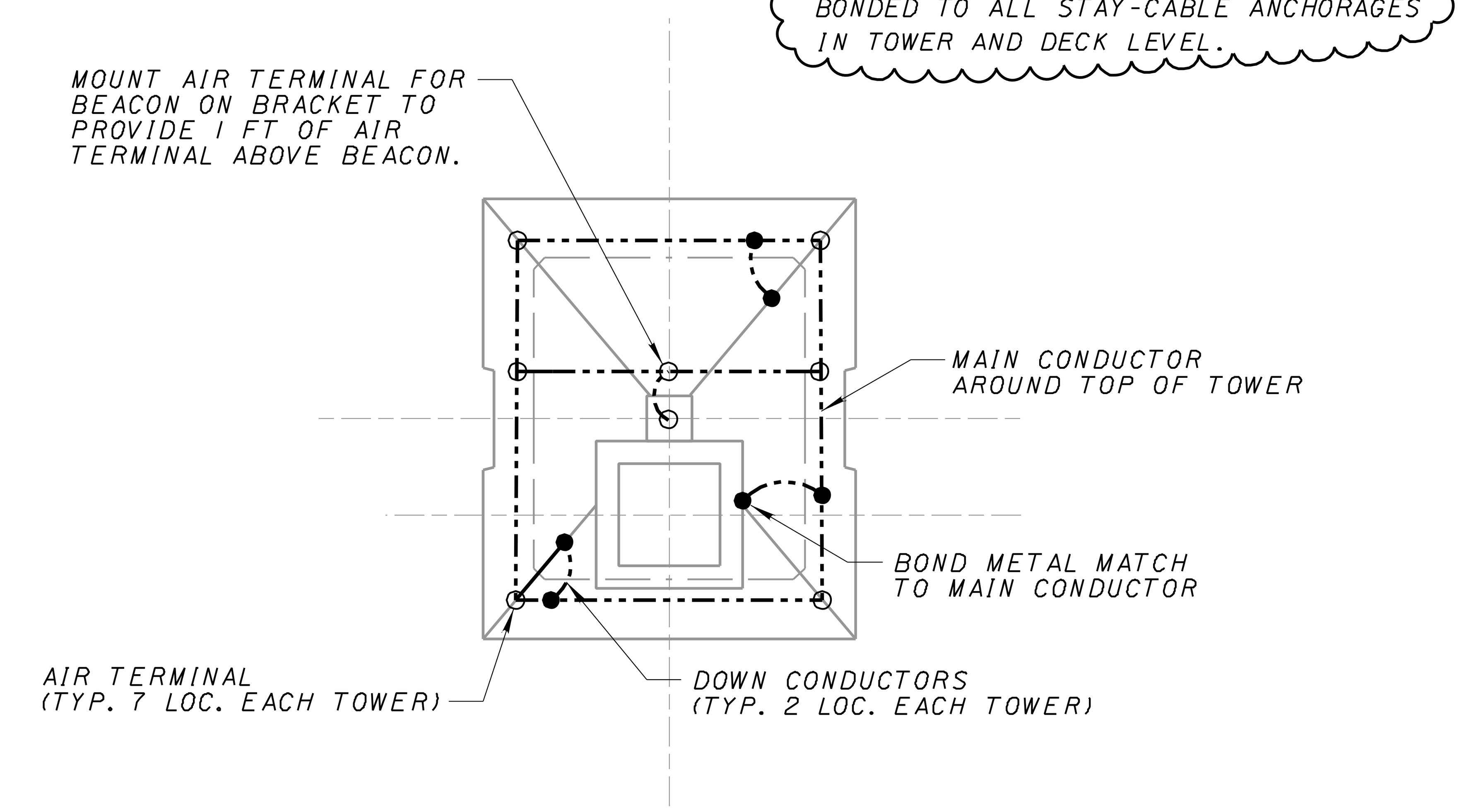


DETAIL "C"



SECTION "D-D"

NOTE:
LIGHTNING PROTECTION SYSTEM SHALL BE BONDED TO ALL STAY-CABLE ANCHORAGES IN TOWER AND DECK LEVEL.



VIEW "F-F"

NOTES

1. PROVIDE LIGHTNING PROTECTION SYSTEM IN ACCORDANCE WITH NFPA 780 AND UL 96A FOR CLASS II STRUCTURES.
2. ALL LIGHTNING PROTECTION COMPONENTS SHALL CONFORM TO UL 96.
3. MAIN AND DOWN CONDUCTORS SHALL BE 28 STRANDS OF 0.0865" DIAMETER COPPER WIRE, ⅝" DIA., ROPE LAY, 211,500 CIRCULAR MILS. LOOP AND SECONDARY CONDUCTORS SHALL BE 28 STRANDS OF 14 GAUGE COPPER WIRE, ½" DIA., ROPE LAY, 115,000 CIRCULAR MILS. SECURE LIGHTING PROTECTION SYSTEM CONDUCTORS ON MAXIMUM 3 FT. INTERVALS USING APPROVED SUPPORT STRAPS.
4. AIR TERMINALS SHALL BE ⅝" DIA. BY 24" LONG TYP. SOLID COPPER NICKLE TIPPED AND LOCATED TO PROJECT 1 FOOT MINIMUM ABOVE OBJECTS TO BE PROTECTED. AIR TERMINAL BASES SHALL BE CAST BRONZE WITH ADJUSTABLE SWIVEL KNUCKLE AND BOLTED PRESSURE CONNECTORS.
5. MAIN CONDUCTOR CONNECTIONS TO AIR TERMINALS SHALL BE VIA BOLTED PRESSURE CONNECTOR. MAKE ALL OTHER MAIN, DOWN, LOOP AND SECONDARY CONDUCTOR CONNECTIONS VIA THE EXOTHERMIC WELDING PROCESS.
6. PROVIDE EPOXY SET ANCHORS TO SECURE AIR TERMINAL BASES AND CONDUCTOR SUPPORT STRAPS TO BRIDGE STRUCTURE.
7. SEAL ALL SLEEVE PENETRATIONS VIA LIBERAL APPLICATION OF APPROVAL SEALING COMPOUND. MOUND SEALING COMPOUND AT EXTERIOR SLEEVE PENETRATIONS TO SHED WATER.

NUMBER	REVISION	DATE	BY
1	AS-BUILT	6-09	DLJ

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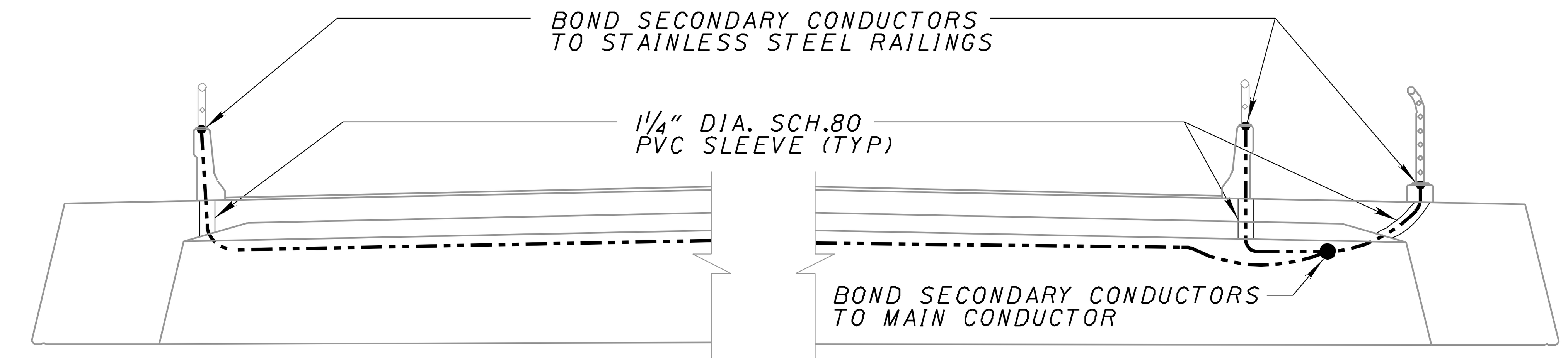
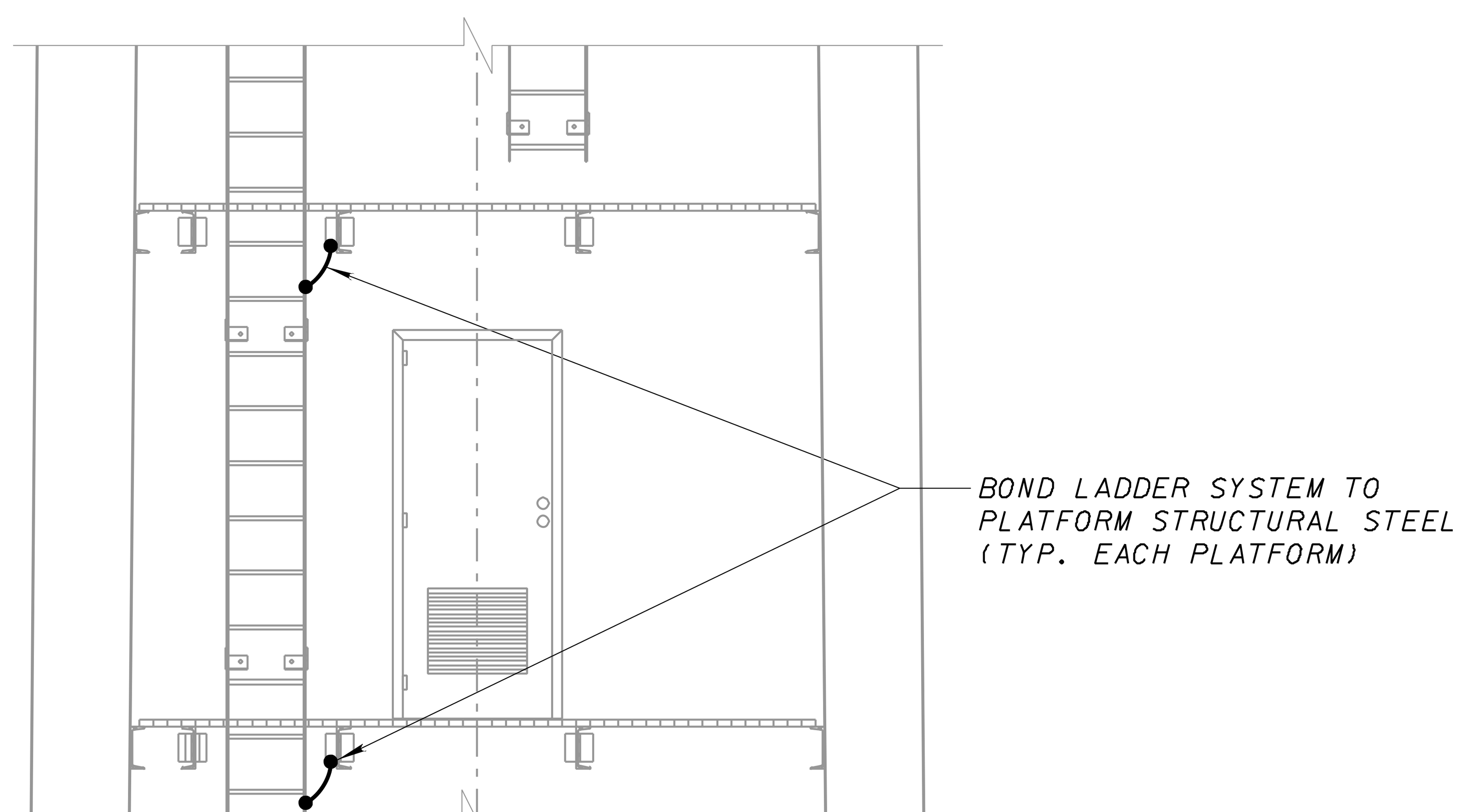
LIGHTNING PROTECTION SYSTEM (1)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

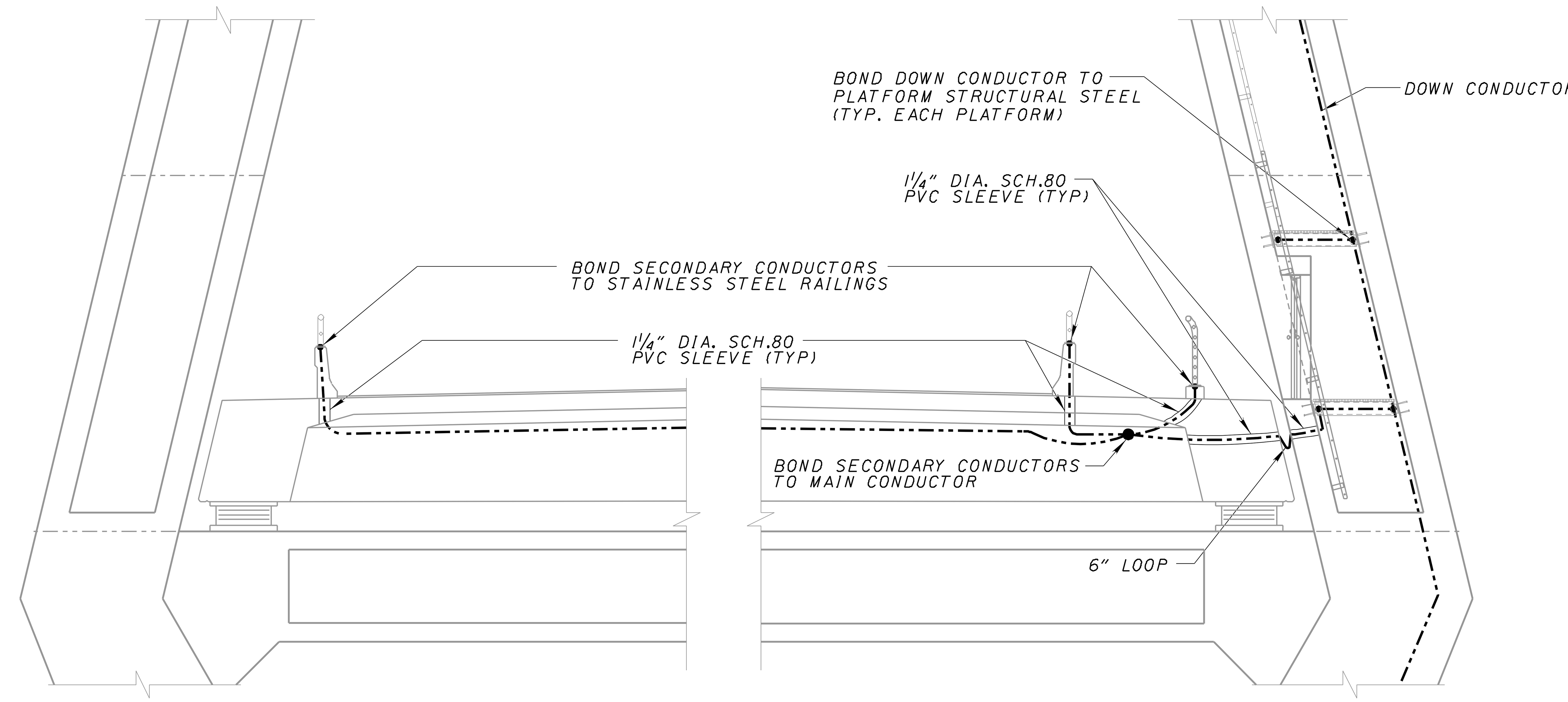


BRIDGE SECTION AT SIDESPAN DETAIL "G"



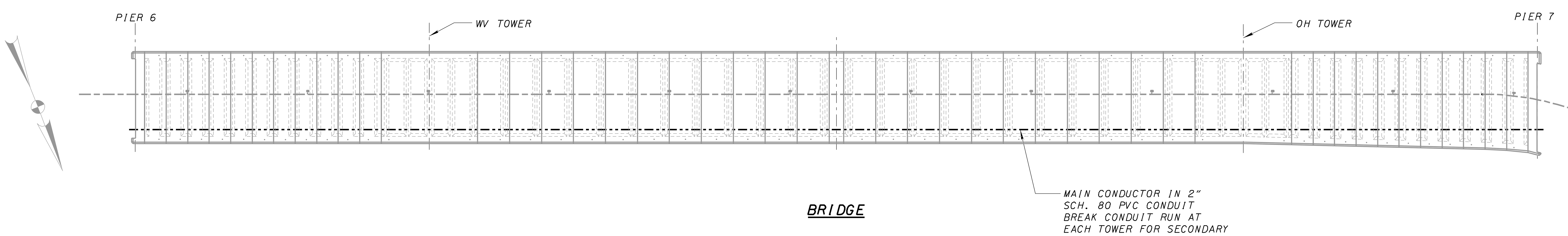
SECTION THRU TOWER DETAIL "E" (TYP.)

(WV TOWER SHOWN, OH TOWER SIMILAR)



BRIDGE SECTION AT TOWER DETAIL "D"

(WV TOWER SHOWN, OH TOWER SIMILAR)



BRIDGE

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SLS	8-02

STRUCTURE FILE NUMBER
5300916 OH
10385 WV

DESIGNED	DRAWN	REVISED
JTV	HG	
CHECKED		
GSK		

LIGHTNING PROTECTION SYSTEM (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

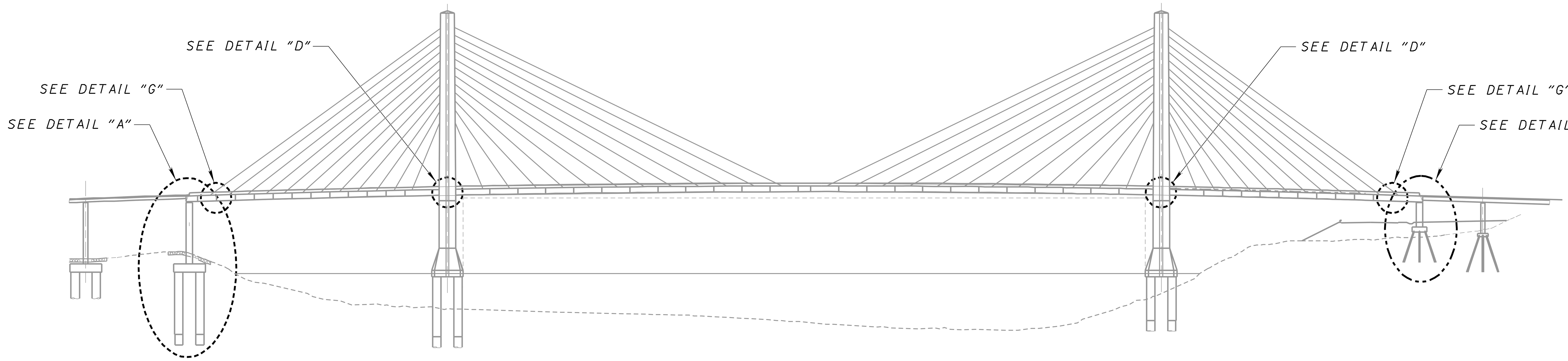
MEG-33-15.70

183/243

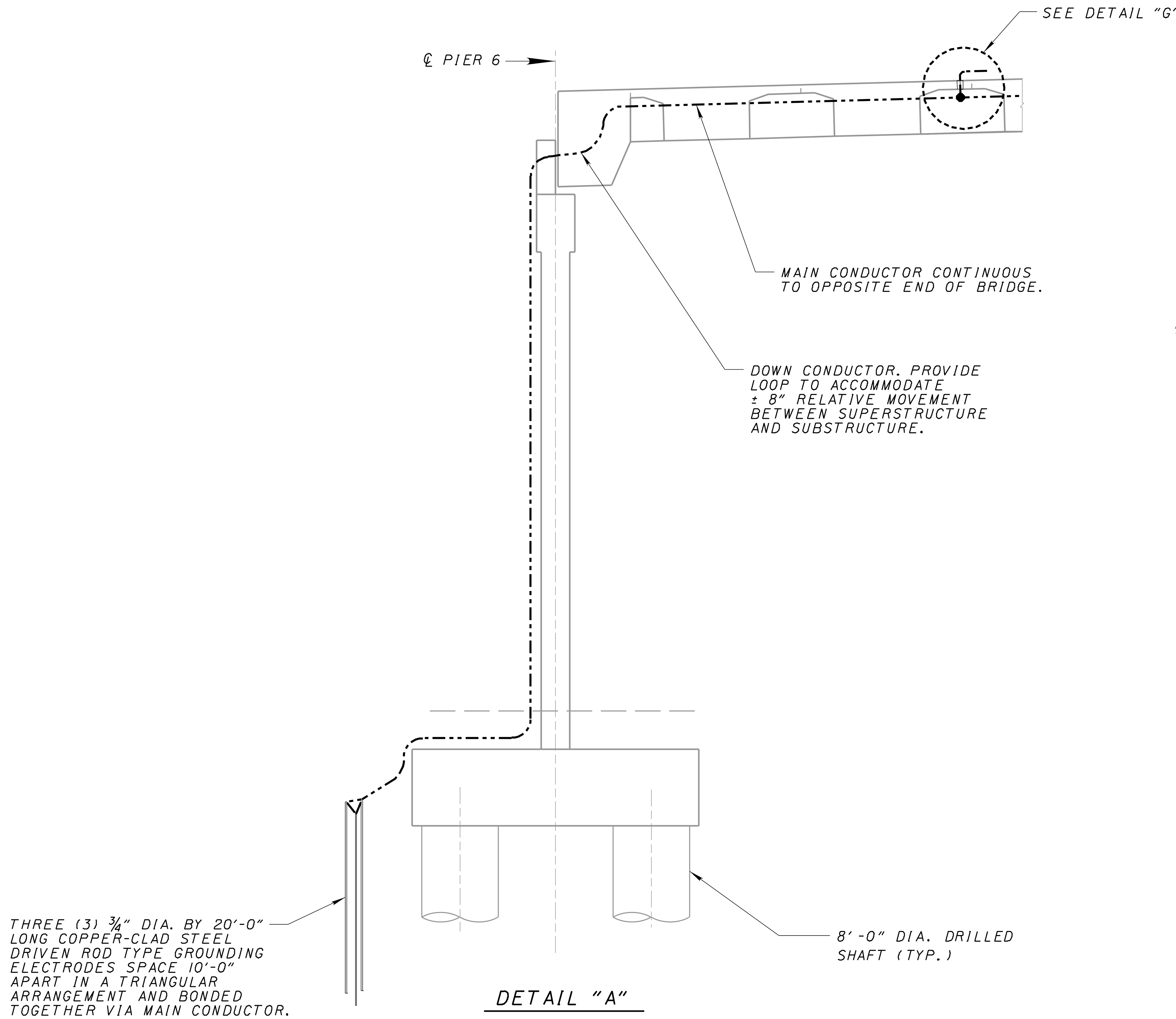
513/582

5/16/2006 7:27:55 AM

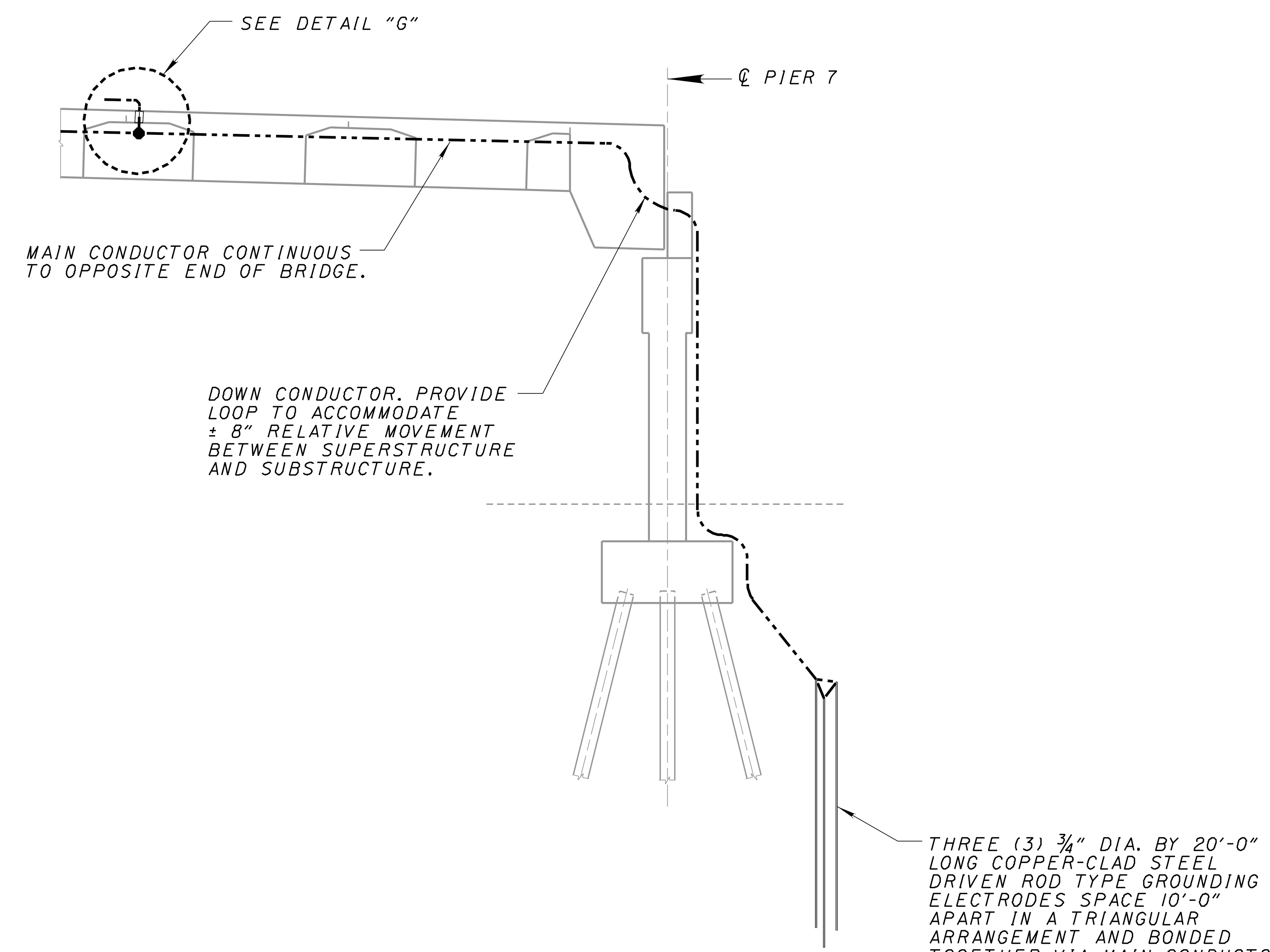
e:\bridges\pomeroymason\electric.dgn



GROUNDING SCHEMATIC - ELEVATION VIEW



DETAIL "A"



DETAIL "B"

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

REVIEWED SLS | DATE 8-02
STRUCTURE FILE NUMBER 5300916 OH 10385 WV
DRAWN HG | REVISED
DESIGNED JTV | CHECKED GSK

LIGHTNING PROTECTION SYSTEM (3)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

5/16/2006 7:27:55 AM
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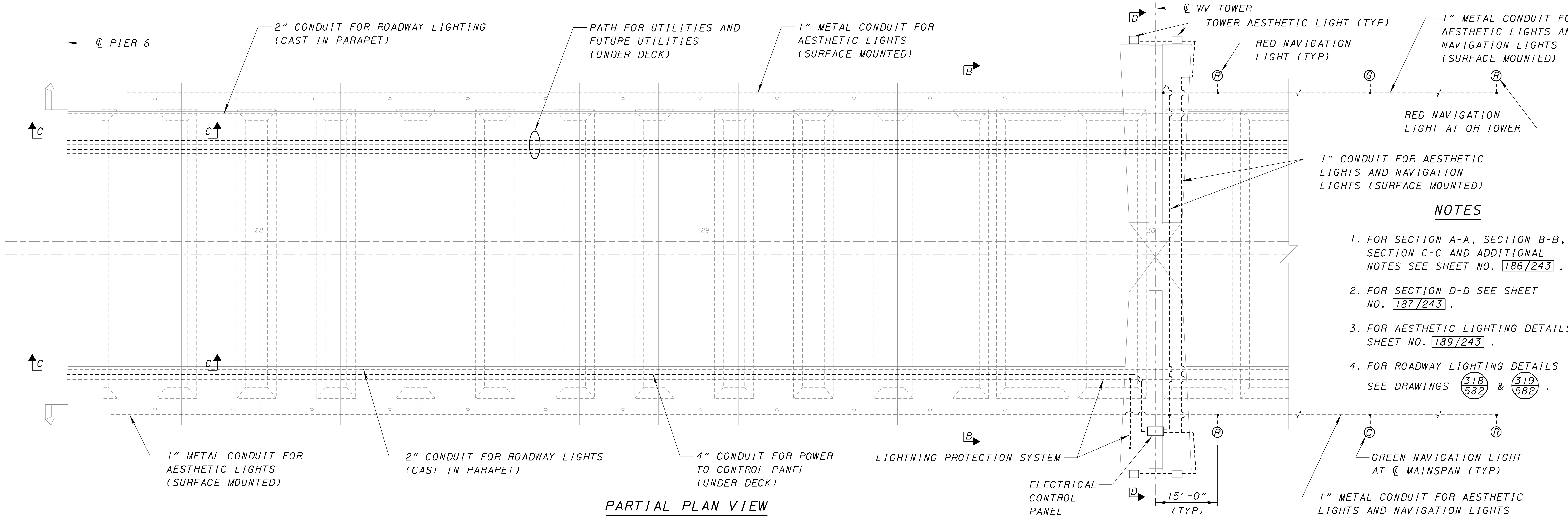
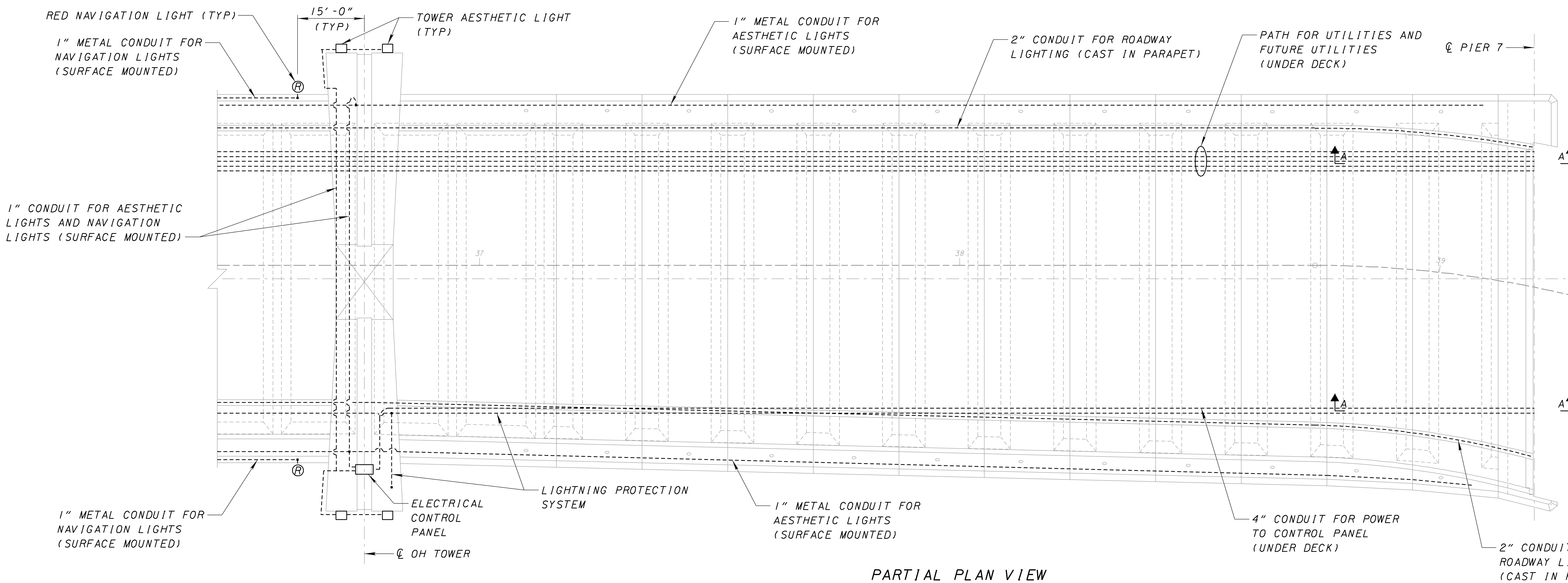


PARTIAL PLAN VIEW

NOTES

1. FOR SECTION A-A, SECTION B-B, SECTION C-C AND ADDITIONAL NOTES SEE SHEET NO. 186/243 .
2. FOR SECTION D-D SEE SHEET NO. 187/243 .
3. FOR AESTHETIC LIGHTING DETAILS SHEET NO. 189/243 .
4. FOR ROADWAY LIGHTING DETAILS SEE DRAWINGS 318/582 & 319/582 .



PARTIAL PLAN VIEW

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3410
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED DLJ	DRAWN DLJ	REVIEWED SLS	DATE 8-02
CHECKED RJB	REVISED	STRUCTURE FILE NUMBER 5300916 OH 10385 WV	

LIGHTING, ELECTRICAL AND UTILITY DETAILS (1)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

185/243

515/582

5/16/2006 7:27:56 AM

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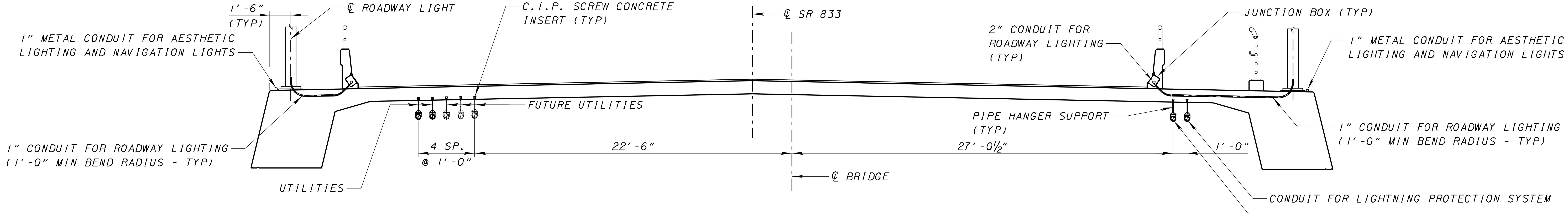
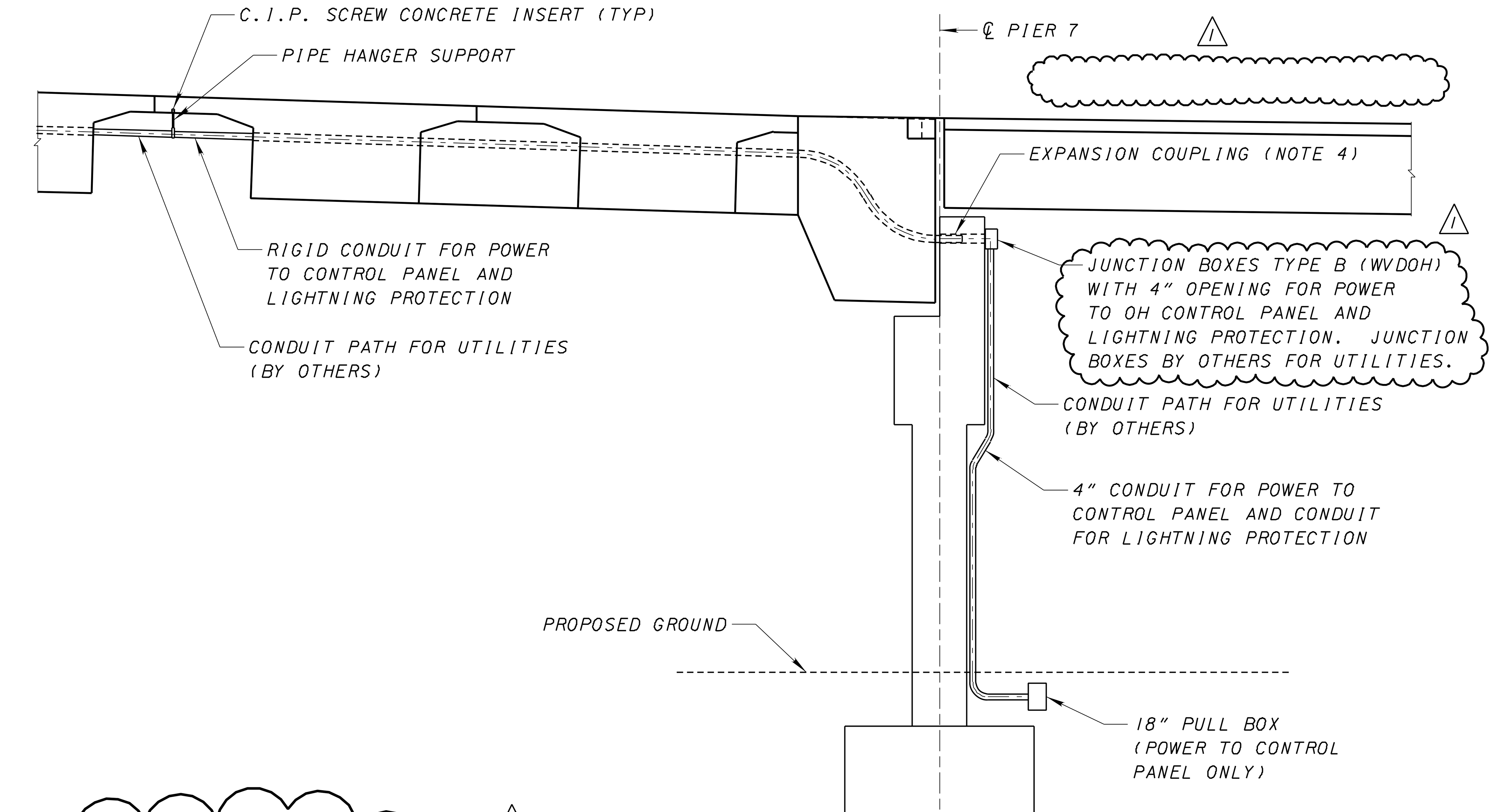
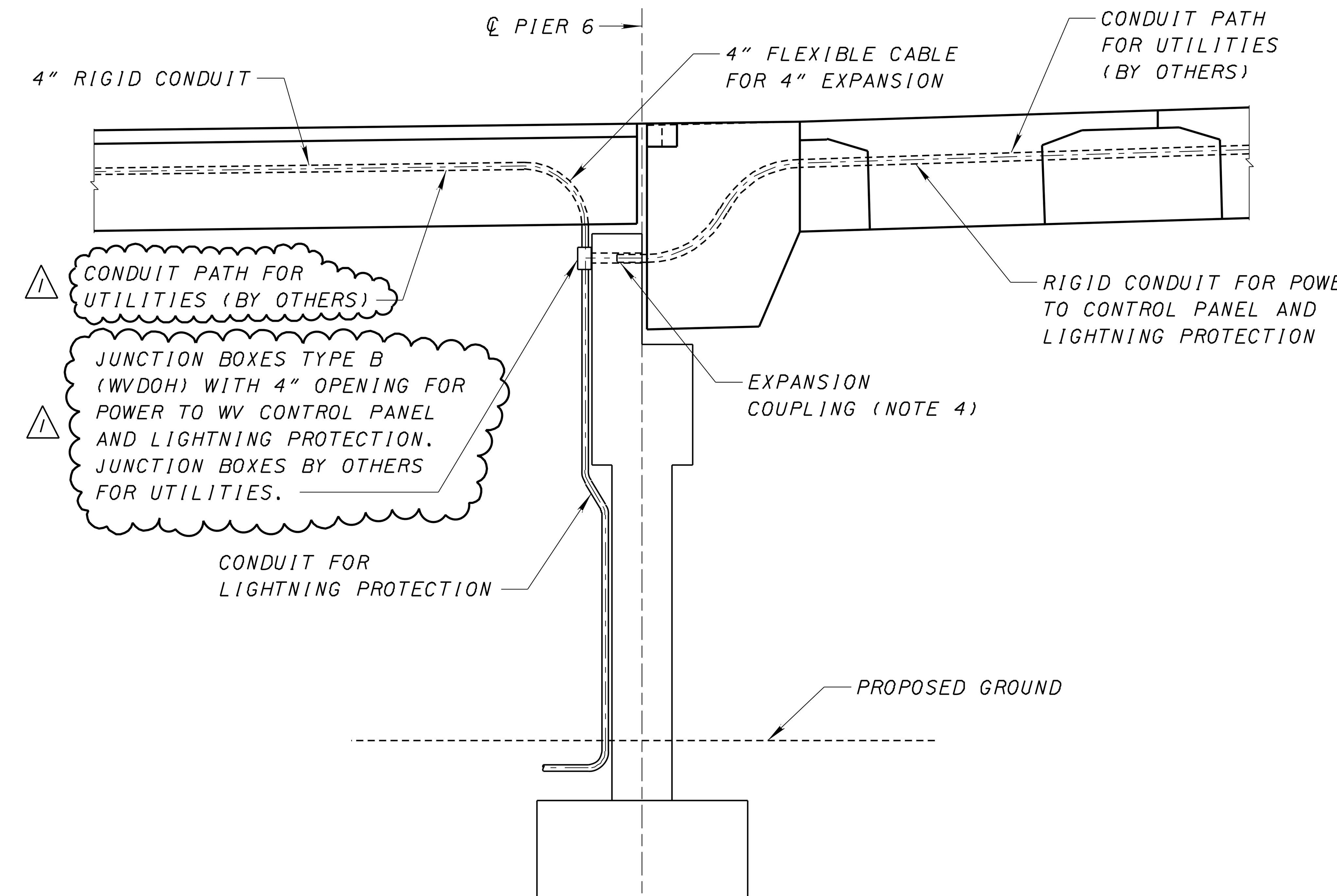


SECTION B-B



SECTION A-A



SECTION C-C

NOTES

1. FOR LIGHTNING PROTECTION DETAILS SEE SHEETS 182/243 THRU 184/243.
2. CONCRETE INSERTS SHALL BE PROVIDED FOR UTILITIES, FUTURE UTILITIES, LIGHTNING PROTECTION, AND POWER TO CONTROL PANELS. COST OF CONCRETE INSERTS AND FORMING HOLES THROUGH FLOORBEAMS, DIAPHRAGMS, PIERS AND TOWERS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE CONCRETE.
3. CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING 4" CONDUIT, PIPE HANGERS, INSERT SCREWS, AND EXPANSION COUPLERS FOR THE TWO NON-FUTURE UTILITY PATHS FROM THE JUNCTION BOX ON PIER 1 TO THE JUNCTION BOX ON PIER 7. THE UTILITY COMPANIES WILL BEAR THE COST FOR THIS MATERIAL AND LABOR AS SHOWN ON THE ESTIMATED QUANTITY SHEET. THE JUNCTION BOXES SHALL BE PROVIDED AND INSTALLED BY THE UTILITY COMPANIES.

PAY ITEM

	WV	OH
4" CONDUIT INCLUDING INCIDENTAL, CHARTER COMMUNICATION	1364 FT*	327 FT*
4" CONDUIT INCLUDING INCIDENTAL, VERIZON NORTH (OHIO)	1364 FT	327 FT*

* TO BE PAID BY OWNER

4. EXPANSION COUPLINGS AT PIERS 6 AND 7 SHALL BE CAPABLE OF ACCOMMODATING +/- 8" OF LONGITUDINAL MOVEMENT.

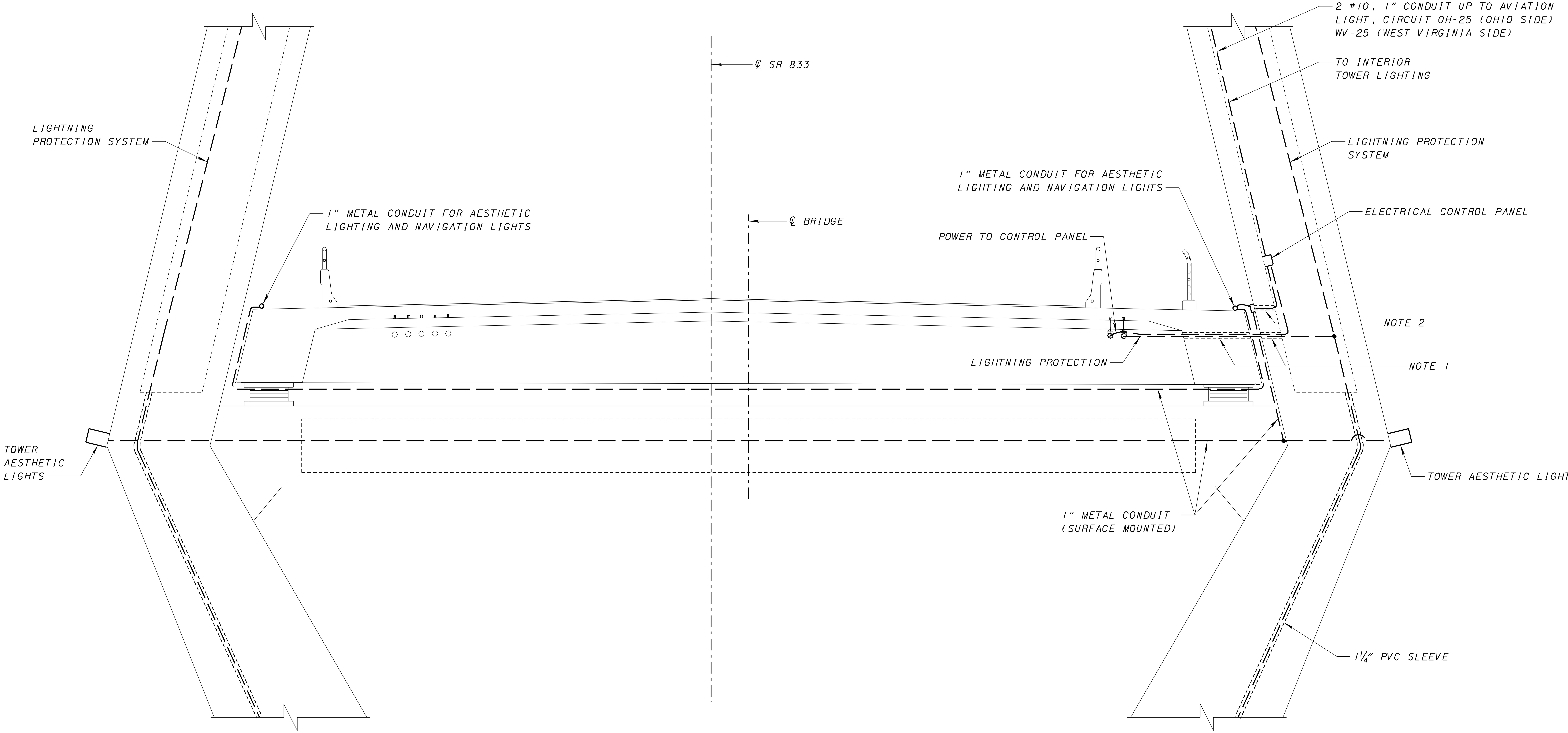
NUMBER	REVISION	DATE	BY
1	UTILITY CONDUITS	10-02	DLJ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED DLJ | DRAWN DLJ | REVIEWED SLS | DATE 8-02
CHECKED RJB | REVISED | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

LIGHTING, ELECTRICAL AND UTILITY DETAILS (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70



SECTION D-D

NOTES

1. PROVIDE 1¼" SLEEVE FOR LIGHTNING PROTECTION SYSTEM THRU TOWER LEG AND EDGE GIRDER. PROVIDE 5" HOLE FOR ELECTRICAL POWER TO CONTROL PANEL THRU TOWER LEG AND EDGE GIRDER.

2. PROVIDE 3" HOLE FOR ELECTRICAL POWER TO AESTHETIC LIGHTING AND NAVIGATION LIGHTS

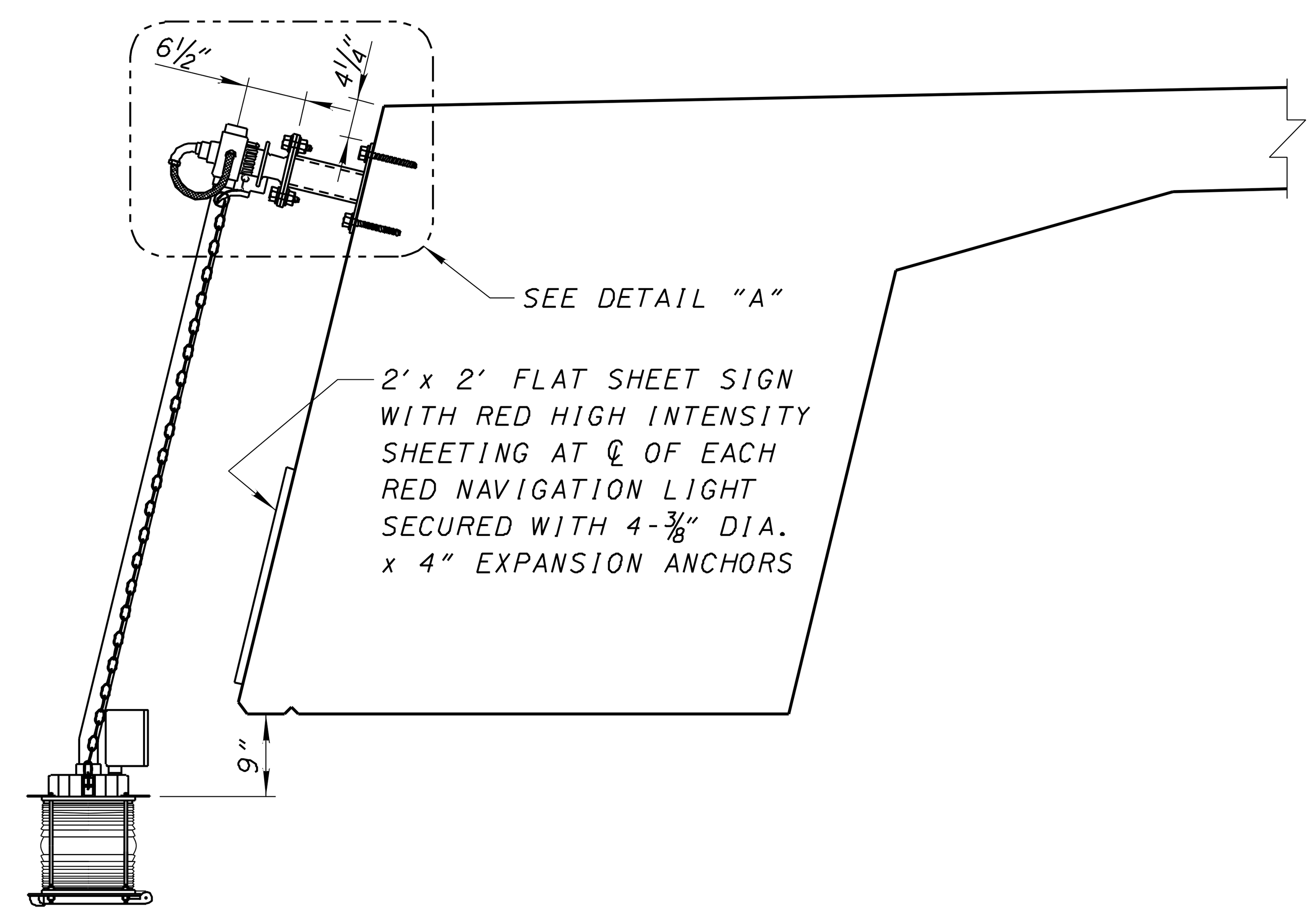
3. PROVIDE FLEXIBLE COUPLING TO ACCOMODATE 4½" OF RELATIVE LONGITUDINAL MOVEMENT BETWEEN EDGE GIRDER AND TOWER LEG AT OH TOWER.

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

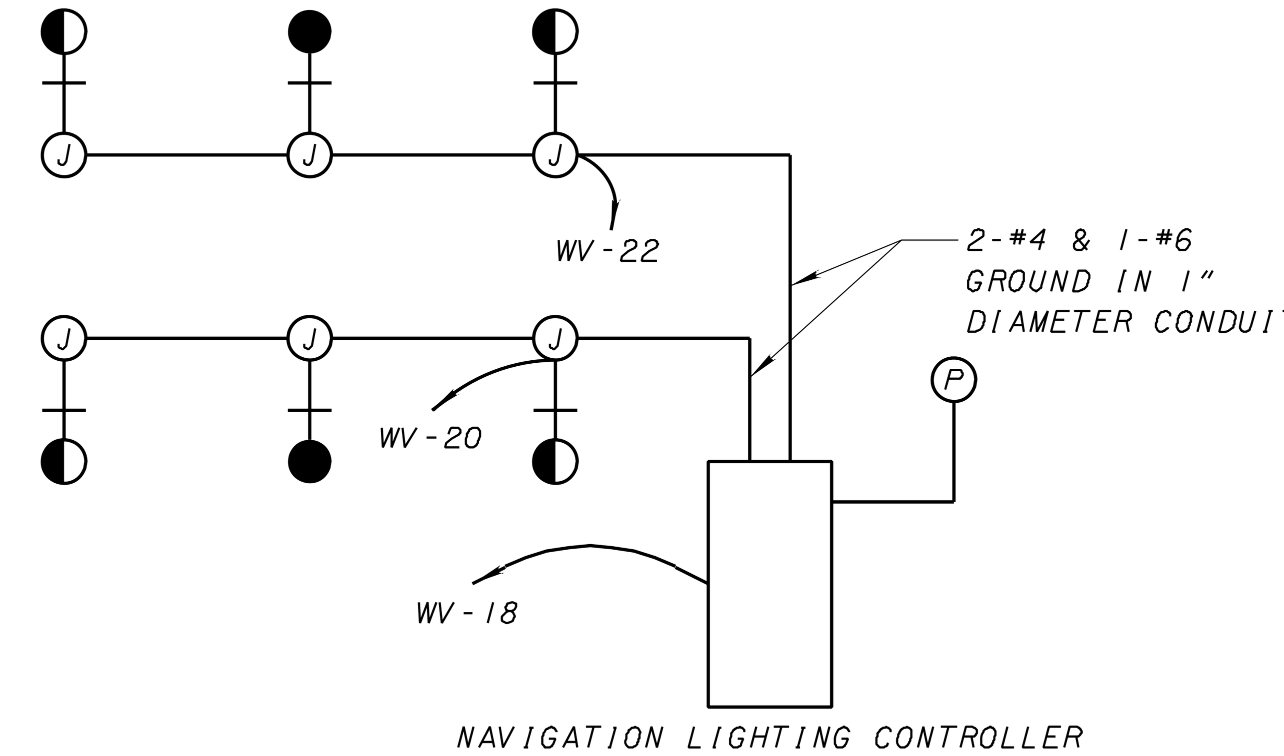
DESIGNED	DRAWN	REVIEWED	DATE
DLJ	DLJ	SLS	8-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
RJB		5300916 OH 10385 WV	

LIGHTING, ELECTRICAL AND UTILITY DETAILS (3)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70



NAVIGATION LIGHT MOUNTING DETAIL



NAVIGATION CONTROL DETAIL

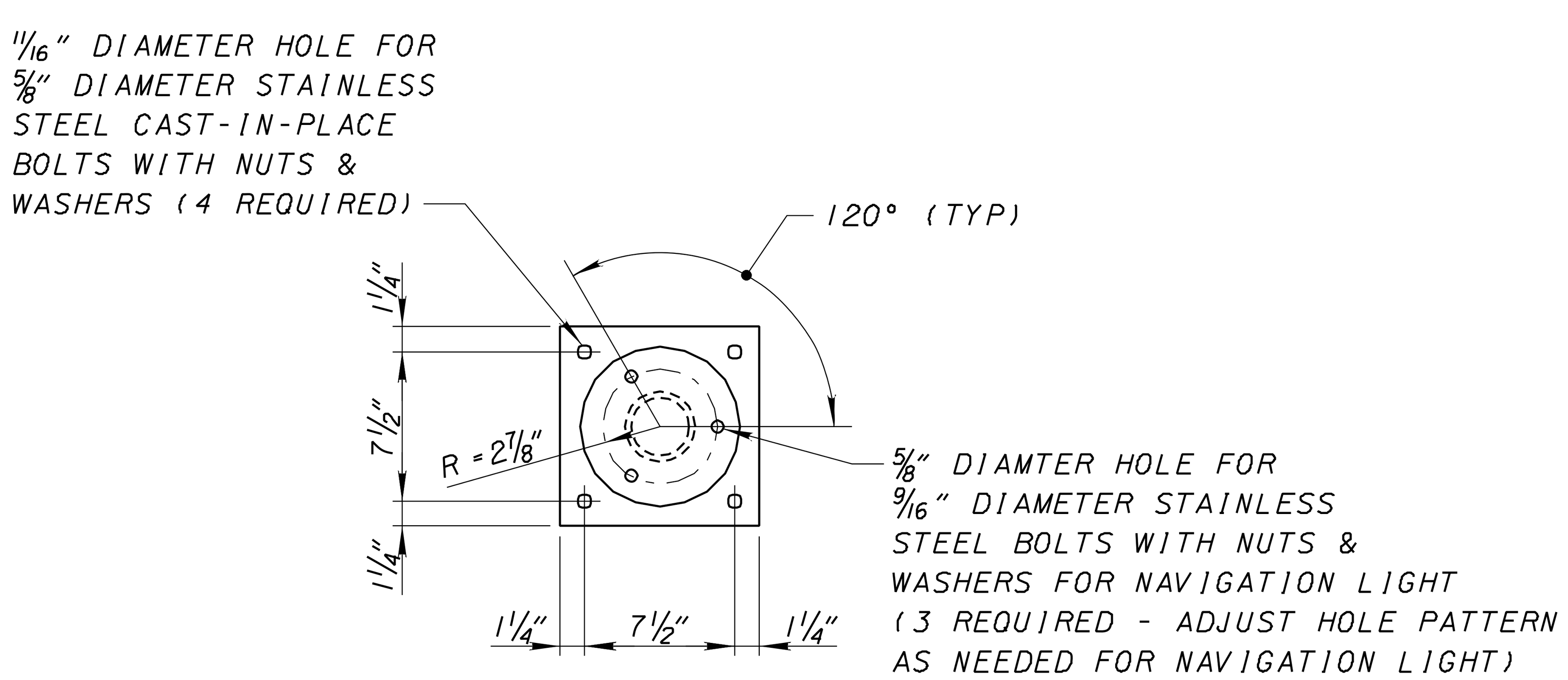
◐ DENOTES 180° RED NAVIGATION LIGHT MOUNTED ON EDGE GIRDER AT LIMITS OF CHANNEL

● DENOTES 360° GREEN NAVIGATION LIGHT MOUNTED ON EDGE GIRDER AT ℄ OF MAIN SPAN UNIT

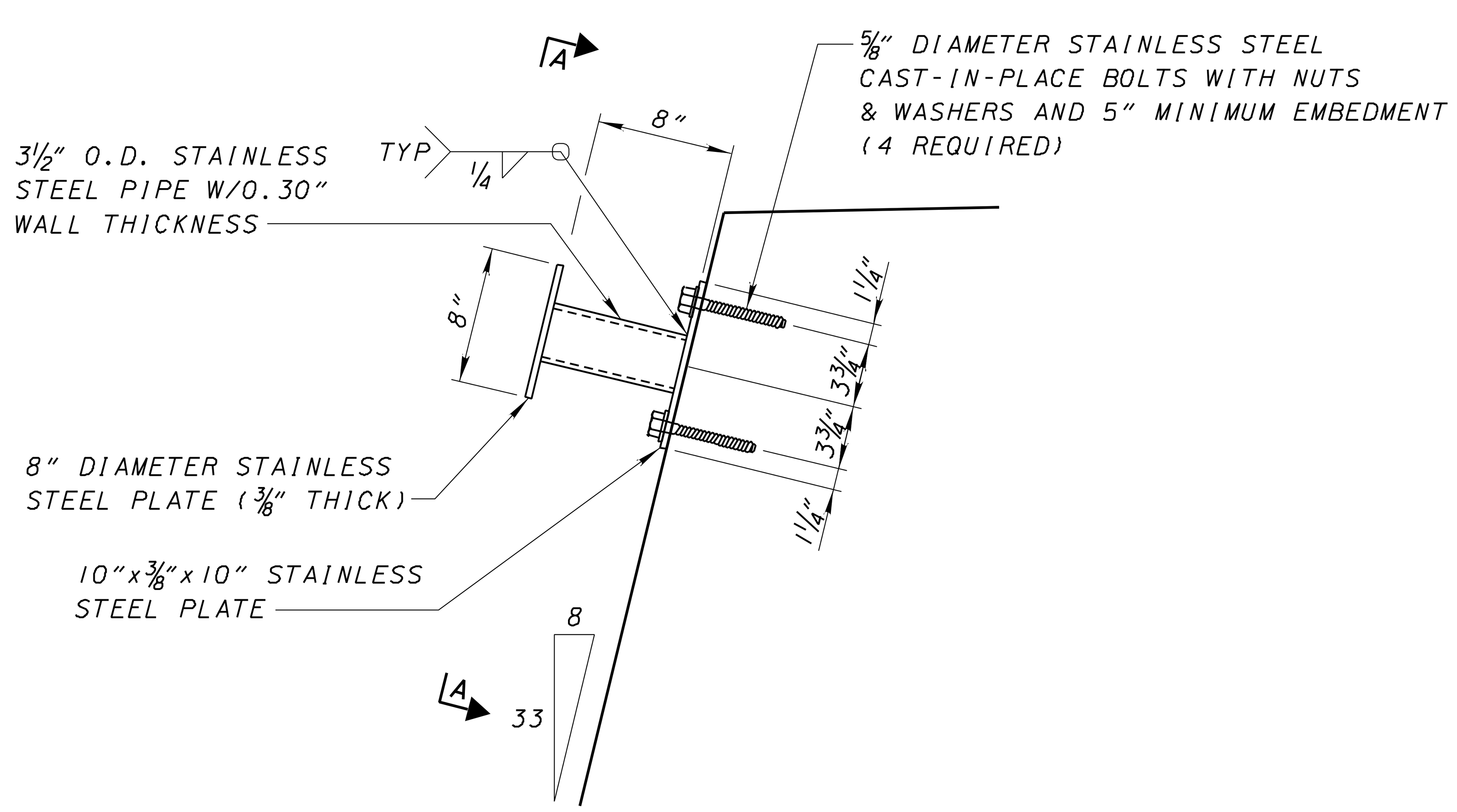
NOTES

1. GENERAL: THE NAVIGATION LIGHT SYSTEM SHALL COMPLY WITH THE LATEST EDITION OF THE CODE OF FEDERAL REGULATIONS: NAVIGATION AND NAVIGABLE WATERS, CFR 33 PART 118, BRIDGE LIGHTING AND OTHER SIGNALS. THE INSTALLATION SHALL COMPLY WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC).
2. FIXTURES: ALL FIXTURES SHALL HAVE A SINGLE LAMP. FIXTURES SHALL BE B&B MSC 301 OR APPROVED EQUAL.

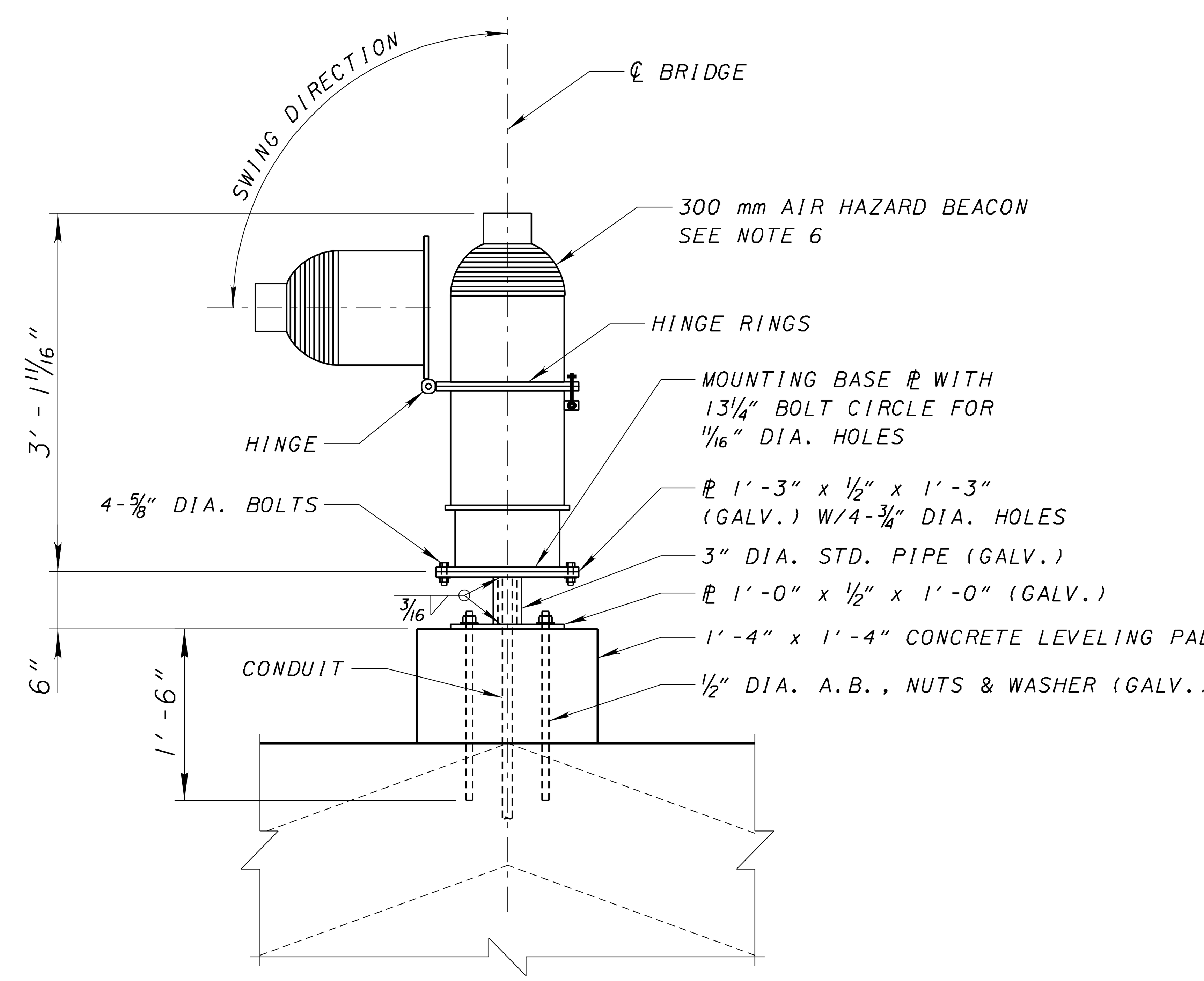
   LAMPS: 100 WATTS, 32,000 HOUR @ 110 VOLTS, EXTENDED LIFE.
3. RED NAVIGATION LIGHT (CHANNEL MARGIN LIGHT): THE FIXTURE SHALL BE 180°, 7" STANDARD MARINE FRESNEL TYPE. THE FIXTURE SHALL BE EQUIPPED WITH A PIVOT MOUNT AND RETRIEVAL CHAIN, SO THAT WHEN THE BASE IS MOUNTED OUTSIDE OF THE EDGE GIRDER, THE LIGHT CAN BE SERVICED BY REACHING OVER THE BRIDGE EDGE. THE FIXTURE SHALL BE LATCHABLE IN THE DOWN POSITION AND IN THE SERVICE POSITION.
4. GREEN NAVIGATION LIGHT (CENTER CHANNEL LIGHT): THE FIXTURE SHALL BE 360°, 7" STANDARD MARINE FRESNEL TYPE. THE FIXTURE SHALL BE EQUIPPED WITH A PIVOT MOUNT AND RETRIEVAL CHAIN, SO THAT WHEN THE BASE IS MOUNTED OUTSIDE OF THE EDGE GIRDER, THE LIGHT CAN BE SERVICED BY REACHING OVER THE BRIDGE EDGE. THE FIXTURE SHALL BE LATCHABLE IN THE DOWN POSITION AND IN THE SERVICE POSITION.
5. PHOTOCELL SHALL FACE NORTHERN SKY; INITIAL SETTINGS SHALL BE "ON" AT 35 FOOTCANDLES AND "OFF" AT 58 FOOTCANDLES. PHOTOCELL SHALL BE HOUSED IN A WEATHERPROOF ENCLOSURE AND FAILSAFE "ON".
6. AIR HAZARD BEACON SHALL BE TYPE FCB-12, CAT. # 44660B AS MANUFACTURED BY CROUSE-HINDS CO., SYRACUSE, NY.



VIEW A-A



DETAIL "A"



AVIATION BEACON DETAIL

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
RJB	JLS	SLS	8-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
DLJ		5300916 OH 10385 WV	

NAVIGATIONAL AND AVIATION LIGHTING DETAILS
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

188/243

518/582

5/16/2006 7:27:56 AM
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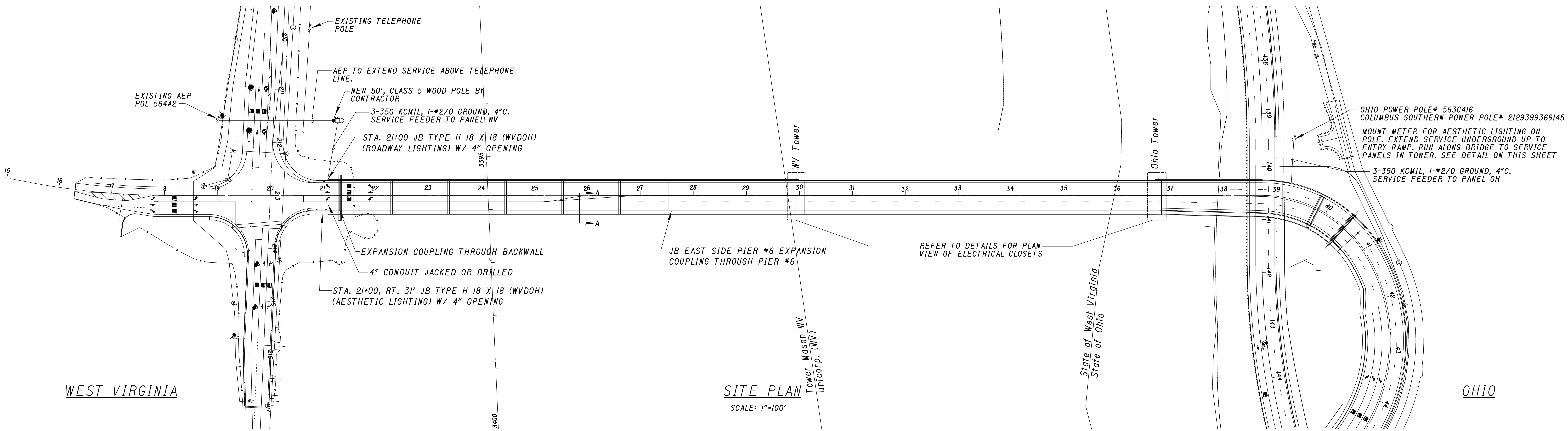
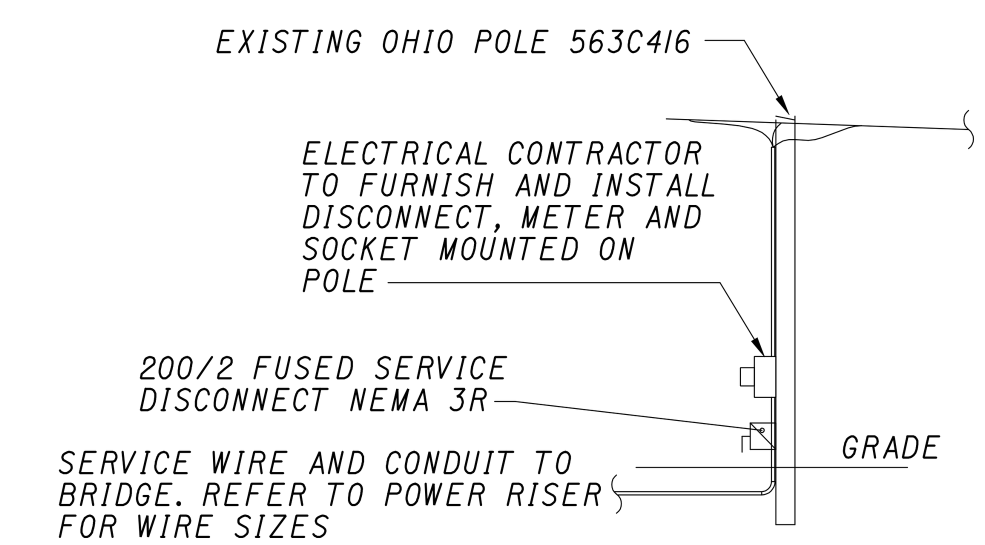


SITE PLAN

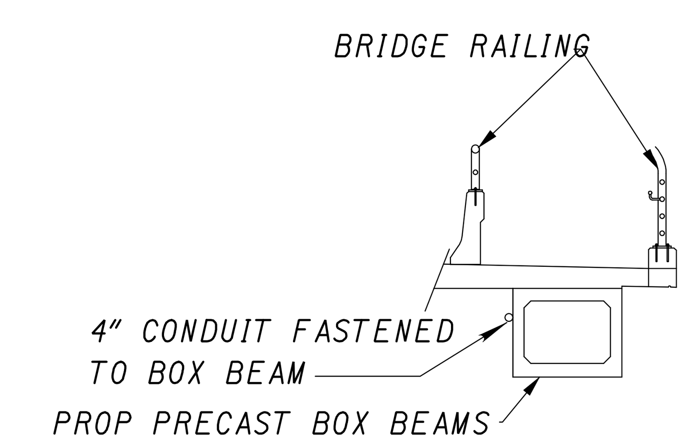
SCALE: 1"=100'

GENERAL SUMMARY							
Unincorp. (WV)	Pomeroy Ohio	SHEET #	ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION
2	2	195	625	01500	4	EA	CABLE SPLICING KIT
5234	5122	195	625	22990	10356	LF	No. 6 AWG 600 VOLT DISTRIBUTION CABLE
3198	440	195	625	23000	3638	LF	No. 4 AWG 600 VOLT DISTRIBUTION CABLE
3287	3251	195	625	23306	6538	LF	No. 10 AWG 600 VOLT DISTRIBUTION CABLE
3117	2621	195	625	25100	5738	LF	CONDUIT, 1", 713.04
1145	500	195	625	25600	1645	LF	CONDUIT, 4", 713.04
55	--	195	625	25900	55	LF	CONDUIT, JACKED OR DRILLED, 4"
110	140	195	625	29000	250	LF	TRENCH
--	1	195	625	30700	1	EA	PULL BOX, 713.08, 18"
1	1	195	625	34000	2	EA	POWER SERVICE, METER, SOCKET
52	52	192	SPEC	62598000	104	EA	LIGHTING MISCELLANEOUS: 400W FLOOD LIGHT W/MOUNTING BRACKETS, BLUE LENS AND TYPE V SPLICE KIT
1	1	195	SPEC	62598000	2	EA	LIGHTING MISCELLANEOUS :GREEN NAVIGATION LIGHT W/ 4" X 4" J-BOX
2	2	195	SPEC	62598000	4	EA	LIGHTING MISCELLANEOUS: RED NAVIGATION LIGHT W/ 4" X 4" J-BOX
1	1	195	SPEC	62598000	2	EA	LIGHTING MISCELLANEOUS: RED AVIATION LIGHT W/ 4" X 4" J-BOX
22	22	192	SPEC	62598000	44	EA	LIGHTING MISCELLANEOUS: FLUORESCENT WRAPAROUNDS, TYPE AB
4	4	195	SPEC	62598000	8	EA	LIGHTING MISCELLANEOUS: 2' X 2' RED FLATSHEET, TYPE G REFLECTOR
1	--	195	SPEC	62598000	1	EA	LIGHTING MISCELLANEOUS: JUNCTION BOX TYPE H 18X18 (WVDOH) W/4" OPENINGS
3600	1500	195	SPEC	62598100	5100	LF	LIGHTING MISCELLANEOUS: 350 KCMIL CABLE
1200	500	195	SPEC	62598100	1700	LF	LIGHTING MISCELLANEOUS: No. 2/0 AWG SERVICE CABLE
1	--	195	SPEC	62598100	1	EA	LIGHTING MISCELLANEOUS:JUNCTION BOX TYPE B (WVDOH) W/4" OPENINGS
3	3	191	SPEC	62598100	6	EA	DUPLEX RECEPTACLE IN TOWER
1	1	192	SPEC	62598100	2	EA	120/240V, 10, 3W PANELBOARD
1	1	192	SPEC	62598100	2	EA	6" X 6" 2'-0" WIREWAY



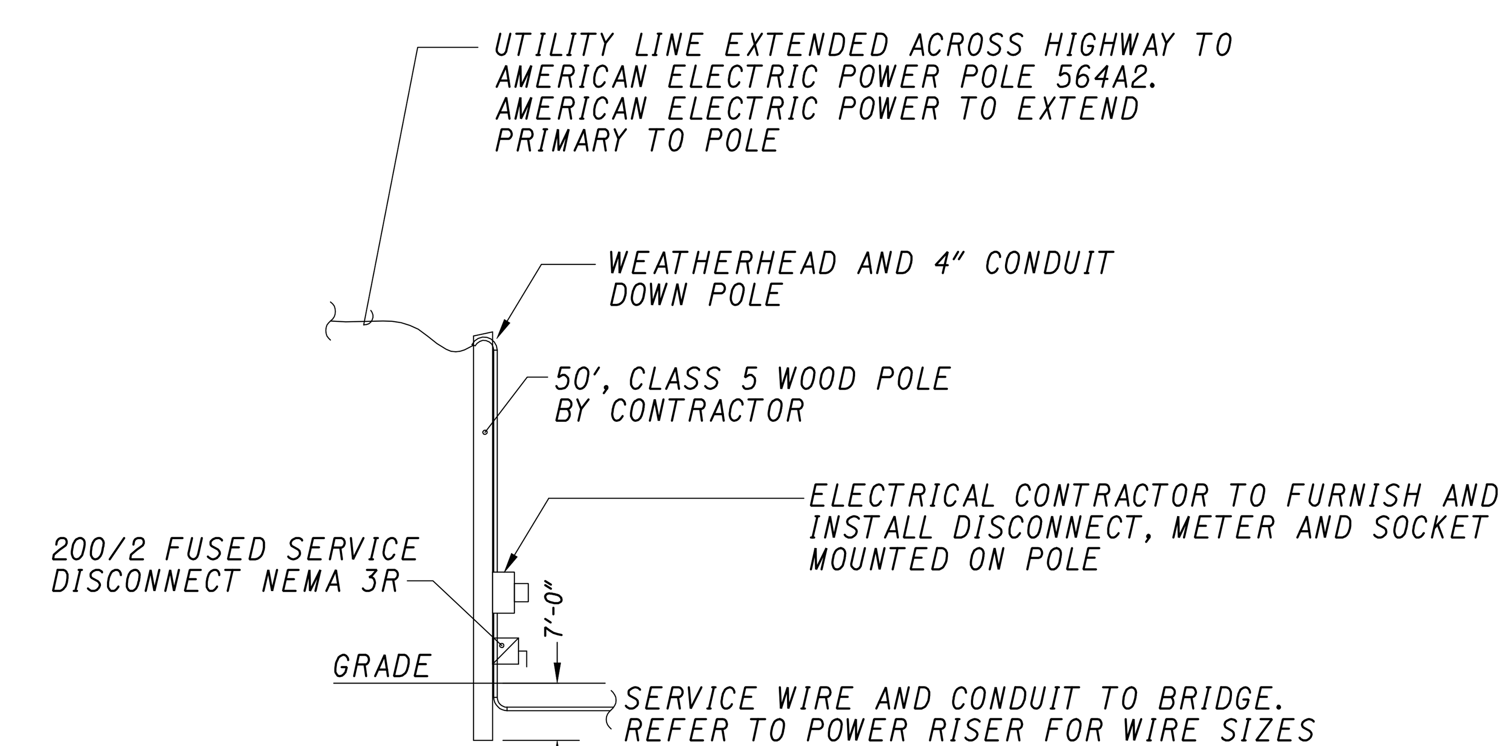
OH SERVICE DETAIL

SCALE: N.T.S.



SECTION A-A

SCALE: N.T.S.



WV SERVICE DETAIL

SCALE: N.T.S.

0 50 100 200

SCALE: 1"=100'-0"

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED | DRAWN | REVIEWED ENM | DATE 5-02
CHECKED | REVISED | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

AESTHETIC LIGHTING SITE PLAN AND GENERAL SUMMARY
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

189/243

519/582

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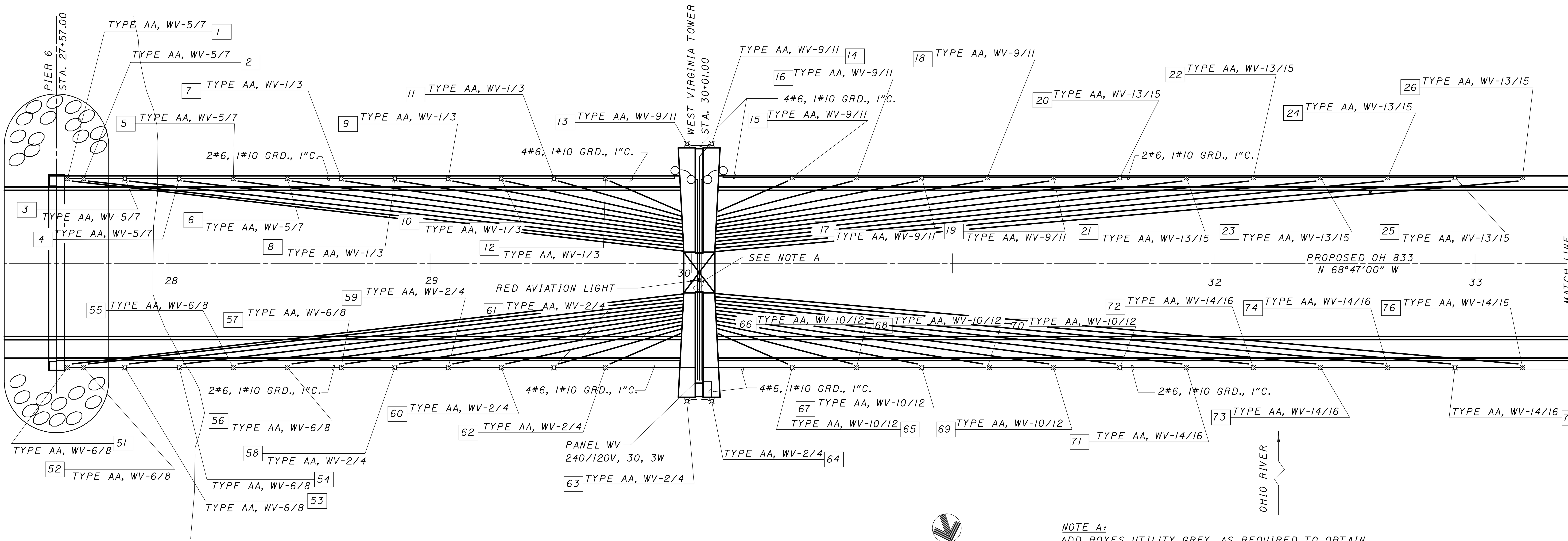


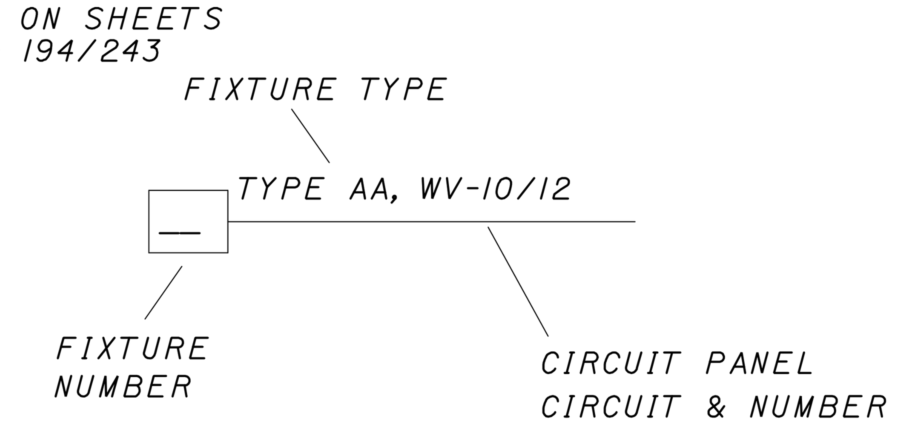
PLAN

SCALE: 1"=20'-0"

REFER TO DETAILS ON SHEETS 185/243, 186/243 & 194/243

NOTE A:

ADD BOXES UTILITY GREY. AS REQUIRED TO OBTAIN PULLS. PAINT CONDUITS TO MATCH BRIDGE FRAMING. SECURELY MOUNT WITH BRACKETS AND EXTEND SURFACE CONDUITS TO UNDERSIDE OF BRIDGE. REFER TO DETAILS.



FIXTURE LEGEND

0 10 20 40
SCALE: 1"=20'-0"

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

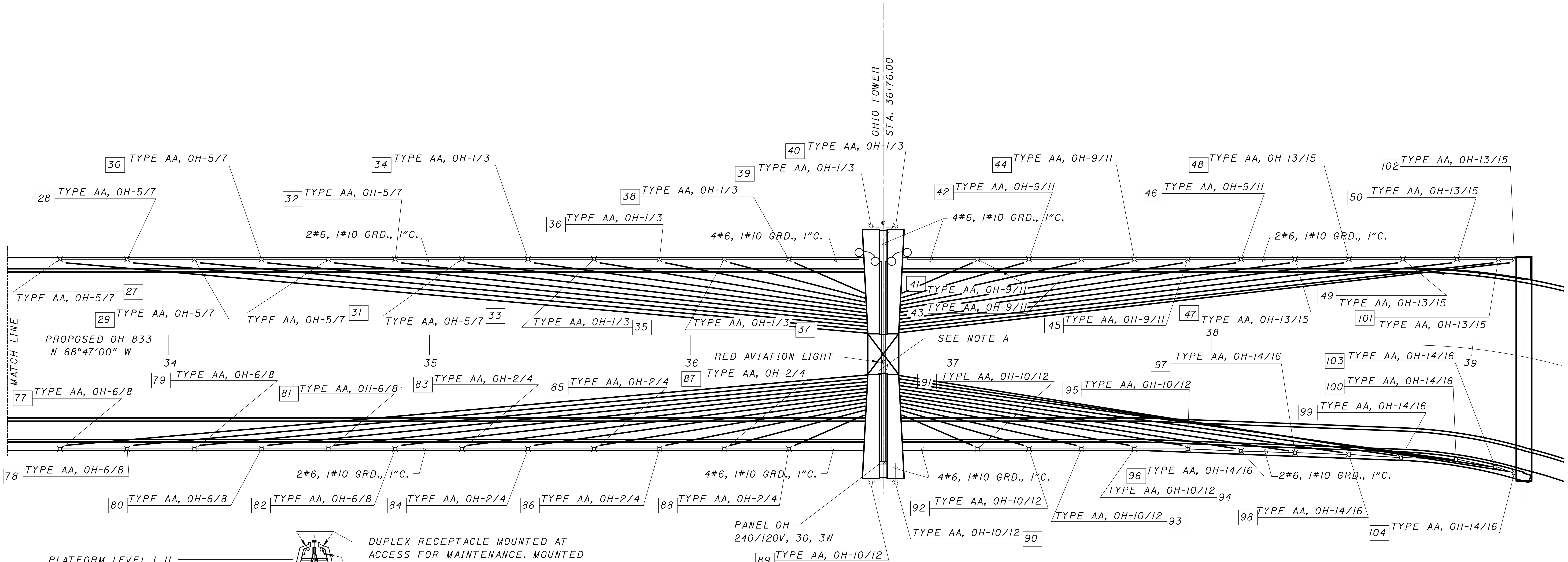
REVIEWED ENM | DATE 5-02

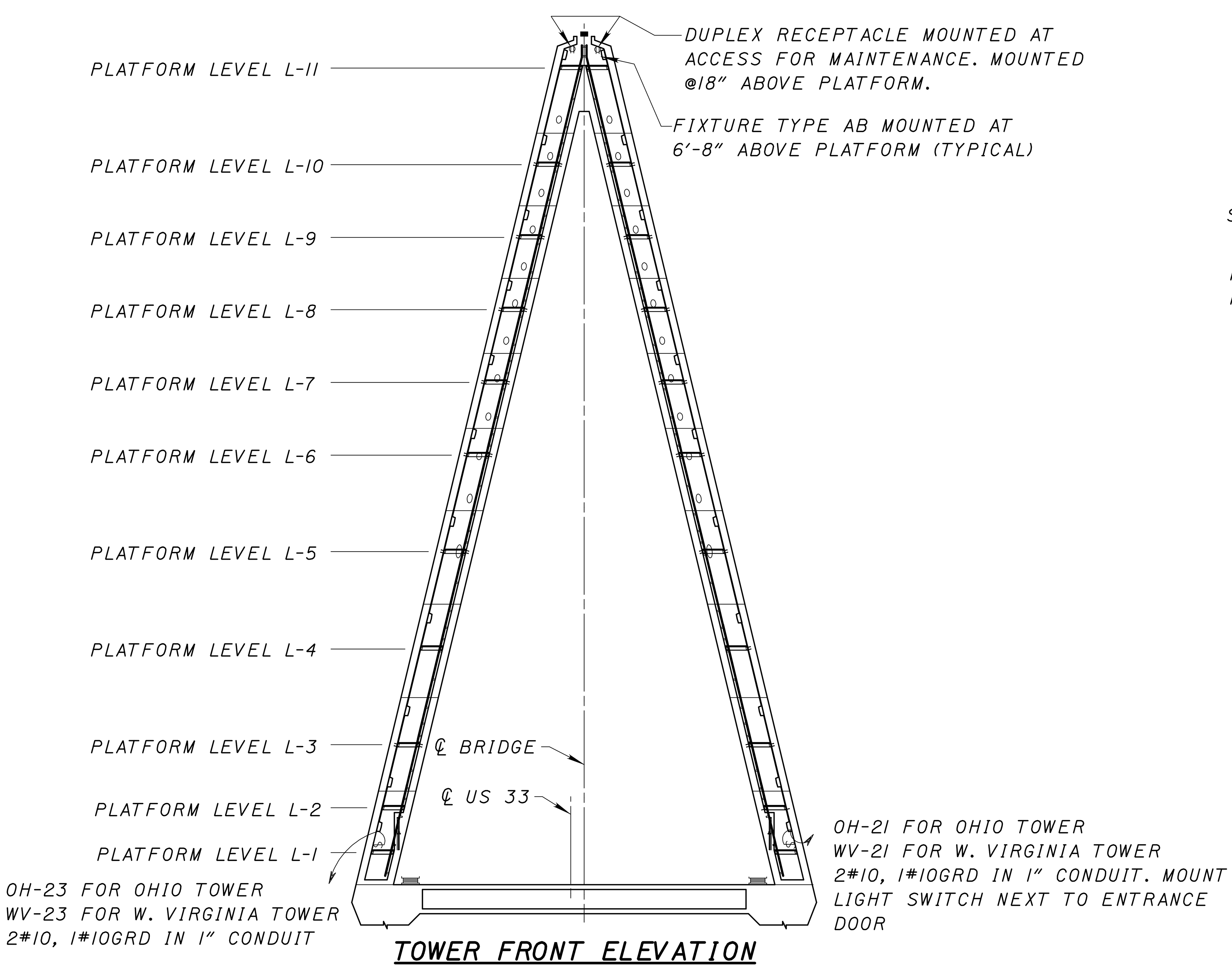
STRUCTURE FILE NUMBER 5300916 OH 10385 WV

DRAWN | REVISED | DESIGNED | CHECKED

AESTHETIC LIGHTING STA. 27+61.20 TO STA. 33+00.00
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70





TOWER FRONT ELEVATION

SCALE: N.T.S. (WV TOWER SHOWN, OH TOWER SIMILAR)

PLAN

SCALE: 1"=20'-0"

NORTH

REFER TO DETAILS ON SHEET 185/243, 187/243 & 194/243

NOTE A:
ADD BOXES UTILITY GREY. AS REQUIRED TO OBTAIN PULLS. PAINT CONDUITS TO MATCH BRIDGE FRAMING. SECURELY MOUNT WITH BRACKETS AND EXTEND SURFACE CONDUITS TO UNDERSIDE OF BRIDGE. REFER TO DETAILS.

0 10 20 40
SCALE: 1"=20'-0"

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

REVIEWED ENM DATE 5-02
STRUCTURE FILE NUMBER 5300916 OH 10385 WV
DRAWN | REVISED
DESIGNED | CHECKED

AESTHETIC LIGHTING STA. 33+00.00 TO STA 39+16.33
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

191/243

521/582

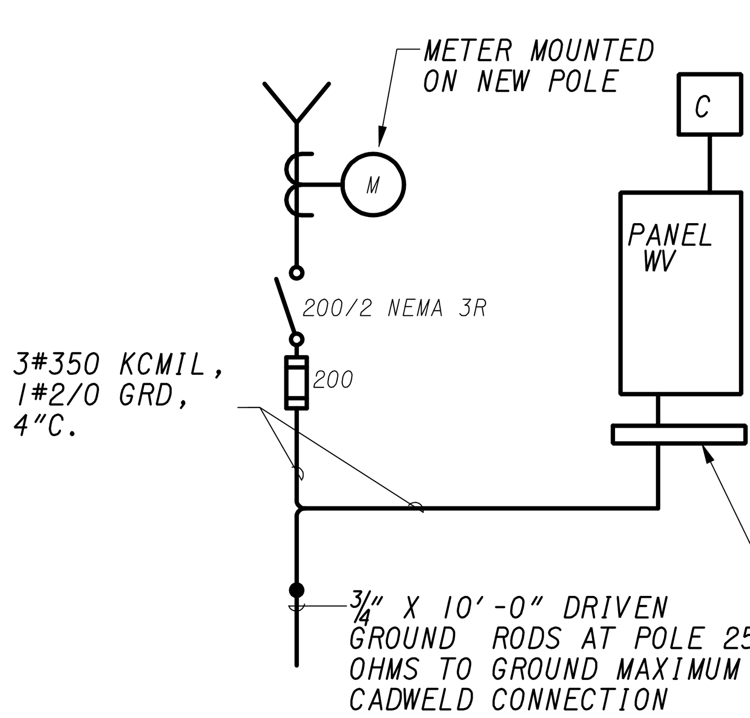
J:\Projects\ODOT\14944862 POM-MASON\25862-18\CD\Lighting\e-2a.dgn 1/12/2011 9:08:58 AM

PANEL DESIGNATION: OH ROOM NAME OR #: ELEC. ROOM FLOOR: FED FROM: OH SIDE SERVICE		240 /120 V 1 PH 3 WIRE AMPS=200 MCB x MLO o DBL LUGS o FT LUGS o 10,000 AIC						SURFACE MTD x FLUSH MTD o NEMA TYPE ENCLOSURE 3R PROVIDE BREAKER LOCKING DEVICE = **	
CKT NO	LOAD DESCRIPTION	KVA A	KVA B	AMP/ POLE	AMP/ POLE	KVA A	KVA B	LOAD DESCRIPTION	CKT NO
1	CABLE LIGHTING	1.5		20/2	20/2	1.3		CABLE LIGHTING	2
3	"		1.5	:	:		1.3	"	4
5	CABLE LIGHTING	1.5		20/2	20/2	1.3		CABLE LIGHTING	6
7	"		1.5	:	:		1.3	"	8
9	CABLE LIGHTING	1.3		20/2	20/2	1.5		CABLE LIGHTING	10
11	"		1.3	:	:		1.5	"	12
13	CABLE LIGHTING	1.3		20/2	20/2	1.5		CABLE LIGHTING	14
15	"		1.3	:	:		1.5	"	16
17	STREET LIGHTING (SOUTH)	1.4		20/2	20/2	1.2		STREET LIGHTING (NORTH)	18
19	"		1.4	:	:		1.2	"	20
21	TOWER PLATFORM LIGHTS	1.0		20/1	20/1	0.0		SPARE	22
23	TOWER PLATFORM LIGHTS		1.0	20/1	20/1		0.0	SPARE	24
25	AVIATION LIGHTS	0.4		20/1	20/1	0.0		SPARE	26
27	SPARE		0.0	20/1	20/1		0.0	SPARE	28
29	SPARE	0.0		20/1	20/1	0.0		SPARE	30
31	SPARE		0.0	20/1	20/1		0.0	SPARE	32
33	SPARE	0.0		20/1	20/1	0.0		SPARE	34
35	SPARE		0.0	20/1	20/1		0.0	SPARE	36
37	SPARE	0.0		20/1	20/1	0.0		SPARE	38
39	SPARE		0.0	20/1	20/1		0.1	CONTACTOR CONTROL	40
41	TOWER RECEPTACLES	0.5		20/1	20/1	0.0		SPARE	42
	SUBTOTAL KVA	8.9	7.0			6.8	6.9	SUBTOTAL KVA	
	TOTAL CONNECTED KVA	15.7	13.9	29.6				TOTAL CONNECTED AMPS	123.3
	TOTAL DEMAND KVA			29.6				TOATAL DEMAND AMPS	123.3

PANEL DESIGNATION: WV ROOM NAME OR #: ELEC. ROOM FLOOR: FED FROM: WV SIDE SERVICE		240 /120 V 1 PH 3 WIRE AMPS=200 MCB x MLO o DBL LUGS o FT LUGS o 10,000 AIC						SURFACE MTD x FLUSH MTD o NEMA TYPE ENCLOSURE 3R PROVIDE BREAKER LOCKING DEVICE = **	
CKT NO	LOAD DESCRIPTION	KVA A	KVA B	AMP/ POLE	AMP/ POLE	KVA A	KVA B	LOAD DESCRIPTION	CKT NO
1	CABLE LIGHTING	1.3		20/2	20/2	1.5		CABLE LIGHTING	2
3	"		1.3	:	:		1.5	"	4
5	CABLE LIGHTING	1.3		20/2	20/2	1.5		CABLE LIGHTING	6
7	"		1.3	:	:		1.5	"	8
9	CABLE LIGHTING	1.5		20/2	20/2	1.3		CABLE LIGHTING	10
11	"		1.5	:	:		1.3	"	12
13	CABLE LIGHTING	1.5		20/2	20/2	1.3		CABLE LIGHTING	14
15	"		1.5	:	:		1.3	"	16
17	STREET LIGHTING	1.6		20/2	20/1	0.1		NAVIGATION CONTROLLER	18
19	"		1.6	:	20/2		0.1	NAVIGATION LIGHTING	20
21	TOWER PLATFORM LIGHTS	1.0		20/1	:	0.1		"	22
23	TOWER PLATFORM LIGHTS		1.0	20/1	20/1		0.0	SPARE	24
25	AVIATION LIGHTS	0.4		20/1	20/1	0.0		SPARE	26
27	SPARE		0.0	20/1	20/1		0.0	SPARE	28
29	SPARE	0.0		20/1	20/1	0.0		SPARE	30
31	SPARE		0.0	20/1	20/1		0.0	SPARE	32
33	SPARE	0.0		20/1	20/1	0.0		SPARE	34
35	SPARE		0.0	20/1	20/1		0.0	SPARE	36
37	SPARE	0.0		20/1	20/1	0.0		SPARE	38
39	SPARE		0.0	20/1	20/1		0.1	CONTACTOR CONTROL	40
41	TOWER RECEPTACLES	0.5		20/1	20/1	0.0		SPARE	42
	SUBTOTAL KVA	9.1	8.2			5.8	5.8	SUBTOTAL KVA	
	TOTAL CONNECTED KVA	14.9	14.0	28.9				TOTAL CONNECTED AMPS	120.4
	TOTAL DEMAND KVA			28.9				TOATAL DEMAND AMPS	120.4

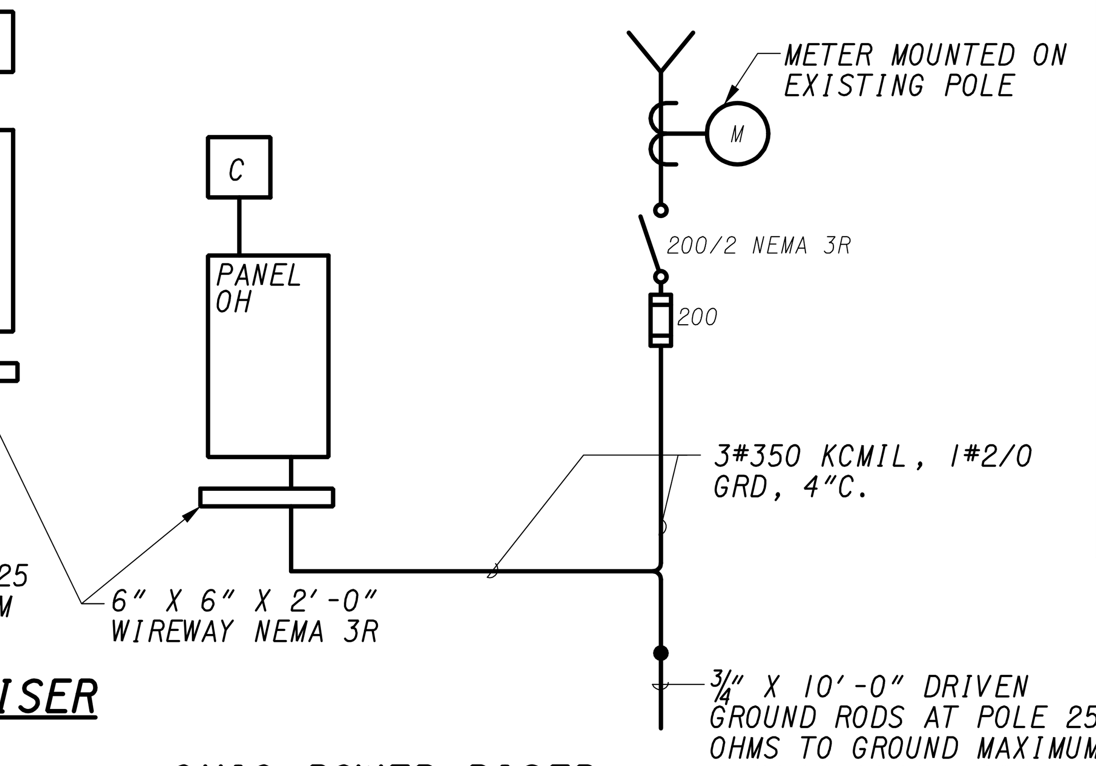
SERVICE NOTES:

1. PANELS OH AND WV SHALL BE SERVICE ENTRANCE RATED.
2. METER SOCKET FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
3. METER FURNISHED AND INSTALLED BY UTILITY COMPANY.



WEST VIRGINIA POWER RISER

SCALE: NONE



OHIO POWER RISER

SCALE: NONE

PLAN SYMBOLS

MH-X MH	MANHOLE, X = NUMBER
HH-X H	HANDHOLE, X = NUMBER
PB-X PB	PULLBOX, X = NUMBER
	PANELBOARD
P	PROPOSED POLE
P	EXISTING POLE
	CONDUIT TURNS TOWARD VIEWER
	CONDUIT TURNS AWAY FROM VIEWER
A5	CONDUIT HOME RUN, A5 INDICATES DESTINATION, PANELBOARD A, CIRCUIT 5
	EXPOSED CONDUIT(S) WITH APPROPRIATE CONDUCTOR QUANTITIES. SEE GENERAL NOTES
	CONCEALED CONDUIT(S): BELOW GRADE, FLOOR, IN SLAB, IN WALL, OR ABOVE CEILING WITH APPROPRIATE CONDUCTOR QUANTITIES. SEE GENERAL NOTES.
— X —	OVERHEAD LINE, X INDICATES TYPE: E = ELECTRIC, T = TELEPHONE, G = GROUNDING CONDUCTOR
— X —	UNDERGROUND DUCTBANK, CONCRETE ENCASED X INDICATES TYPE: E = ELECTRIC, T = TELEPHONE G = GROUNDING CONDUCTOR

POWER PLAN SYMBOLS

Y Z X	DUPLEX RECEPTACLE WITH COVER PLATE: X INDICATES TYPE, Y INDICATES NON STANDARD MOUNTING HEIGHT, AND Z INDICATES CIRCUIT NUMBER
	STANDARD MOUNTED, 20A RECEPTACLE, AT 18" ABOVE FINISHED FLOOR
G	GROUND FAULT
WP	WEATHERPROOF
A,B,C	HEAVY DUTY DISCONNECT SWITCH: A INDICATES RATING/FRAME SIZE OF SWITCH/CIRCUIT BREAKER, B INDICATES FUSING/TRIP SIZE, AND C INDICATES NUMBER OF POLES.
	GROUND ROD
J	JUNCTION BOX
PE	PHOTOELECTRIC CELL

LIGHTING FIXTURE SCHEDULE

FIXTURE TYPE	LAMPS QUANTITY FLUORESCENT	INCANDESCENT	METAL HALIDE	L.E.D. OPERATING WATTS	WATTS / LAMP	WATTS / FIXTURE	LAMP CAT. NO.	BALLAST	VOLTAGE	DESCRIPTION	MANUF.	CATALOG NO./SERIES	NOTES
AA			1		400	400	WITH FIXTURE	1	240	STEM MOUNTED HID METAL HALIDE FLOOD LIGHT, MOUNTED ON 18" STANTION MOUNT. 1 X 2 BEAM SPREAD	HADCO	PF3-X-E-400H-240-PF3-BD-CUSTOM BLUE LENS	SILVER FINISH. FIXTURE STANTION. PROVIDE FIXTURE WITH CUSTOM BLUE LENS COLOR APPROVED BY DOT. ADJUSTABLE BARN DOOR FOR CUTOFF CONTROL.
AB	2				32	64	WITH FIXTURE	1	120	SURFACE MOUNTED FLUORESCENT WRAPAROUND TYPE LOW TEMP BALLAST	WILLIAMS	17-4-232-A-EB2-120	

CONTACT: JASON DONNELLON @ CONTRACT LIGHTING
4600 PC GEORGESVILLE ROAD
PLAIN CITY, OHIO 43064
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FAX-(614) 879-9410

ONE LINE POWER DIAGRAM SYMBOLS

X, Z Y	FUSED SWITCH X INDICATES SWITCH SIZE, Y INDICATES FUSE SIZE. Z INDICATES NUMBER OF POLES IF OTHER THAN 3.		
X, Y	DISCONNECT SWITCH X INDICATES SIZE Y INDICATES NUMBER OF POLES IF OTHER THAN 3.		EARTH GROUND

LIGHTING PLAN SYMBOLS

Y $ X	WALL SWITCH WITH COVER PLATE: X INDICATES TYPE, Y INDICATES SWITCH AND LUMINAIRE GROUPS
$	SINGLE POLE
X Y Z	LIGHT FIXTURE: X INDICATES FIXTURE TYPE, Y INDICATES CIRCUIT NUMBER, Z INDICATES SWITCH DESIGNATION. REFER TO FIXTURE SCHEDULE FOR FIXTURE TYPES.
	WALL LUMINAIRE
	POLE LUMINAIRE
	CEILING MOUNTED, SINGLE FACED, ILLUMINATED EXIT SIGN, ARROW INDICATES DIRECTION OF EXIT
	FLUORESCENT WALL LUMINAIRE
	180° RED NAVIGATION LIGHT
	360° GREEN NAVIGATION LIGHT

ELECTRICAL ABBREVIATIONS

A	AMPERE	RTU	ROOF TOP UNIT
AC	ALTERNATING CURRENT	SEC	SECONDARY
AFF	ABOVE FINISHED FLOOR	SF	SUPPLY FAN
AFG	ABOVE FINISHED GRADE	SW	SWITCH
AHU	AIR HANDLING UNIT	SWBD	SWITCHBOARD
BKR	BREAKER	SWGR	SWITCHGEAR
C	CONDUIT	TR	TIMING RELAY OR TIMER
CB	CIRCUIT BREAKER		
CKT	CIRCUIT	TTB	TELEPHONE TERMINAL BOARD
CR	CONTROL RELAY		
CT	CURRENT TRANSFORMER	TYP	TYPICAL
CU	COOPER	UNO	UNLESS NOTED OTHERWISE
DC	DIRECT CURRENT		
DN	DOWN	V	VOLT
DNLT	DOWNLIGHT	W	WATT
EF	EXHAUST FAN	WH	WATTHOUR
EL	ELEVATION	WP	WEATHERPROOF
ETM	ELAPSED TIME METER	XFMR	TRANSFORMER
EX	EXISTING	XFR	TRANSFER
FLR	FLOOR	XMTR	TRANSMITTER
FM	FLOW METER	XP	EXPLOSION PROOF
GFI	GROUND FAULT INTERRUPTER	O	PHASE
G/GRD/GND	GROUND		
HOA	HAND-OFF-AUTOMATIC		
HP	HORSEPOWER		
KVA	KILOVOLT AMPERE		
KW	KILOWATT		
LA	LIGHTNING ARRESTER		
LTG	LIGHTING OR LIGHT		
MCC	MOTOR CONTROL CENTER		
MTD	MOUNTED		
NC	NORMALLY CLOSED		
NO	NORMALLY OPEN		
NTS	NOT TO SCALE		
OL	OVERLOAD		
P	POLE		
PB	PULL BOX OR PUSH BUTTON		
PNL	PANEL OR PANELBOARD		
PRI	PRIMARY		
PT	POTENTIAL TRANSFORMER		
PTT	PUSH TO TEST		
RCVR	RECEIVER		
RF	RETURN FAN		
RFI	RADIO FREQUENCY INTERFERENCE		

GENERAL NOTES

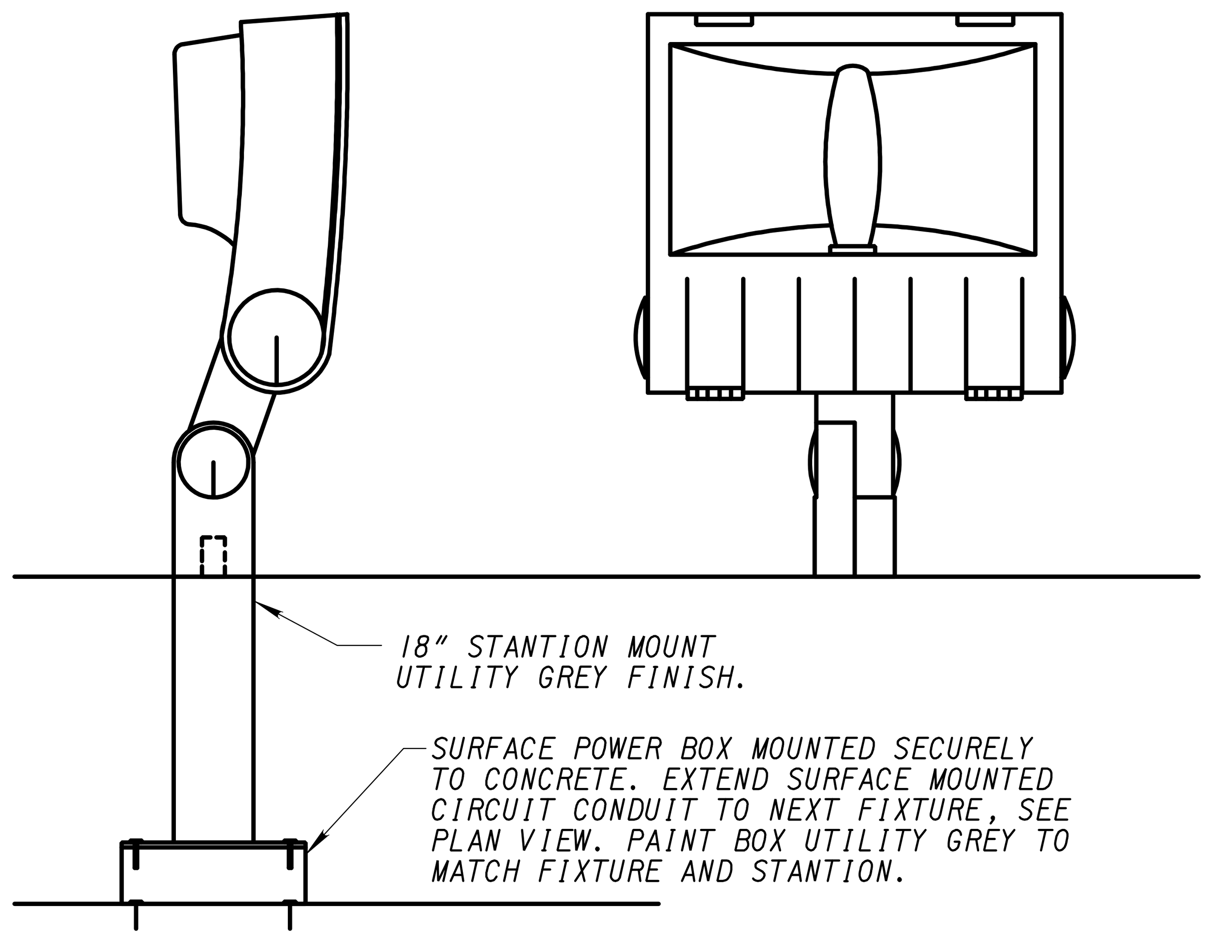
1. UNLESS OTHERWISE INDICATED, ALL MOUNTING ELEVATIONS ARE CENTERLINE ELEVATIONS.
2. WIRE AND CONDUIT SIZES AND QUANTITIES FOR FEEDERS AND BRANCH CIRCUITS WHICH ARE SHOWN ON ONE LINE POWER DIAGRAMS APPLY TO PLAN SHEETS.
3. CIRCUIT IDENTIFICATION SHALL BE AS FOLLOWS:
   A-5,7 INDICATES TWO SINGLE POLE BREAKERS AT CIRCUITS 5 & 7 OF PANELBOARD A
   F-19/21/23 INDICATES A THREE POLE BREAKER AT CIRCUITS 19,21,&23 OF PANELBOARD F
   MCC B-17 INDICATES HOME RUN TO COMPARTMENT 17 OF MCC B
4. THIS CONTRACTOR SHALL FURNISH, INSTALL, AND SIZE ALL SLEEVES, HOLES, CORES, PATCHING, SLOTS, ANCHORS, BRACKETS, SUPPORTS, JUNCTION BOXES, PULL BOXES, AND OTHER APPURTENANCES NECESSARY TO EXECUTE THE CONTRACT DOCUMENTS COMPLETE. SOME OF THESE ITEMS MAY BE SHOWN ON THE DRAWINGS FOR CLARITY OR DESIGN PREFERENCE. HOWEVER, NOT ALL OF THE ITEMS, NECESSARY FOR COMPLETE EXECUTION AND INSTALLATION, ARE SHOWN.

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

REVIEWED ENM DATE 5-02
STRUCTURE FILE NUMBER 5300916 OH 10385 WV
DRAWN REVISED
DESIGNED CHECKED

AESTHETIC LIGHTING SCHEDULE
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

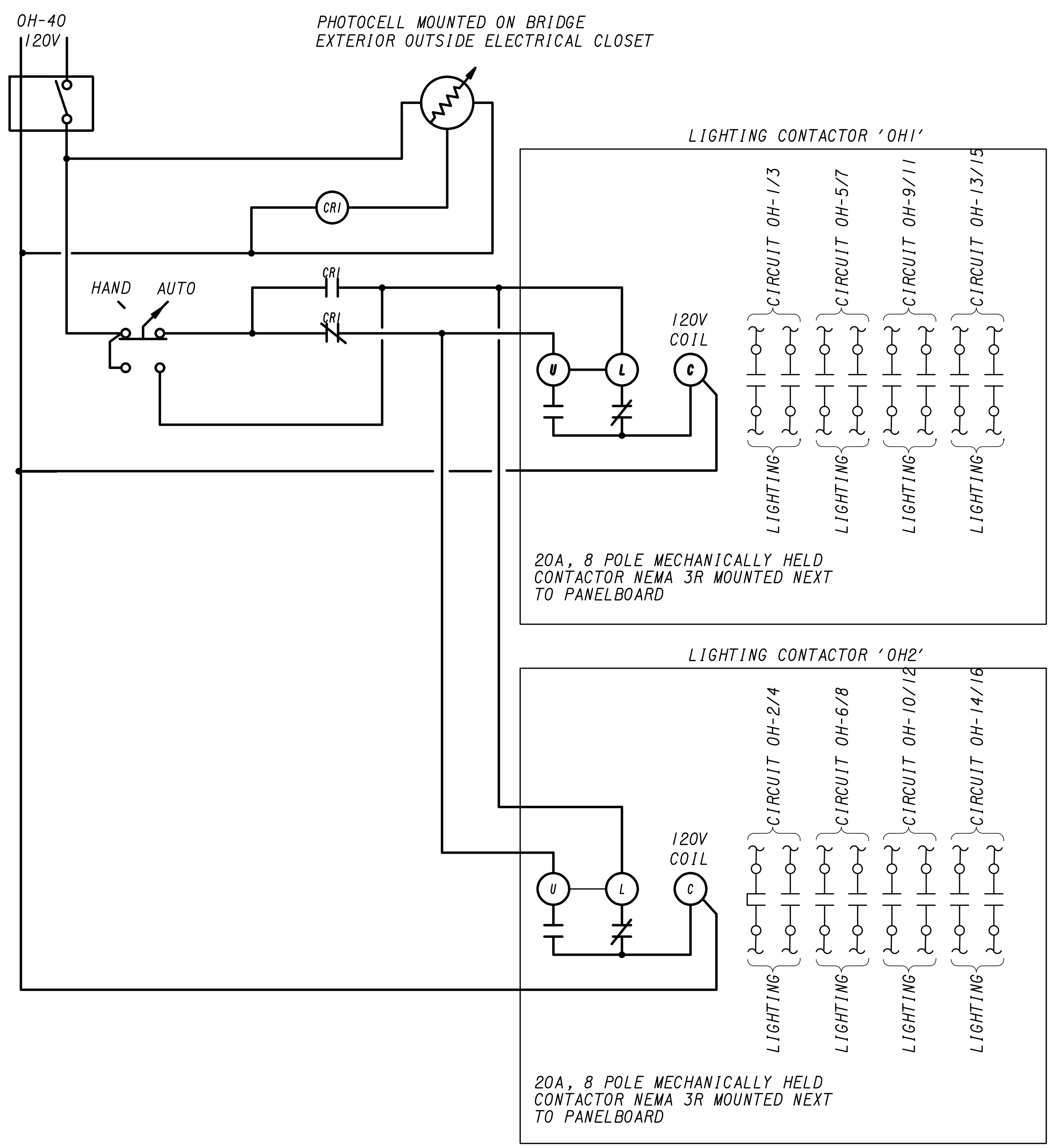


LIGHT FIXTURE
SCALE: 1 1/2"=1'-0"

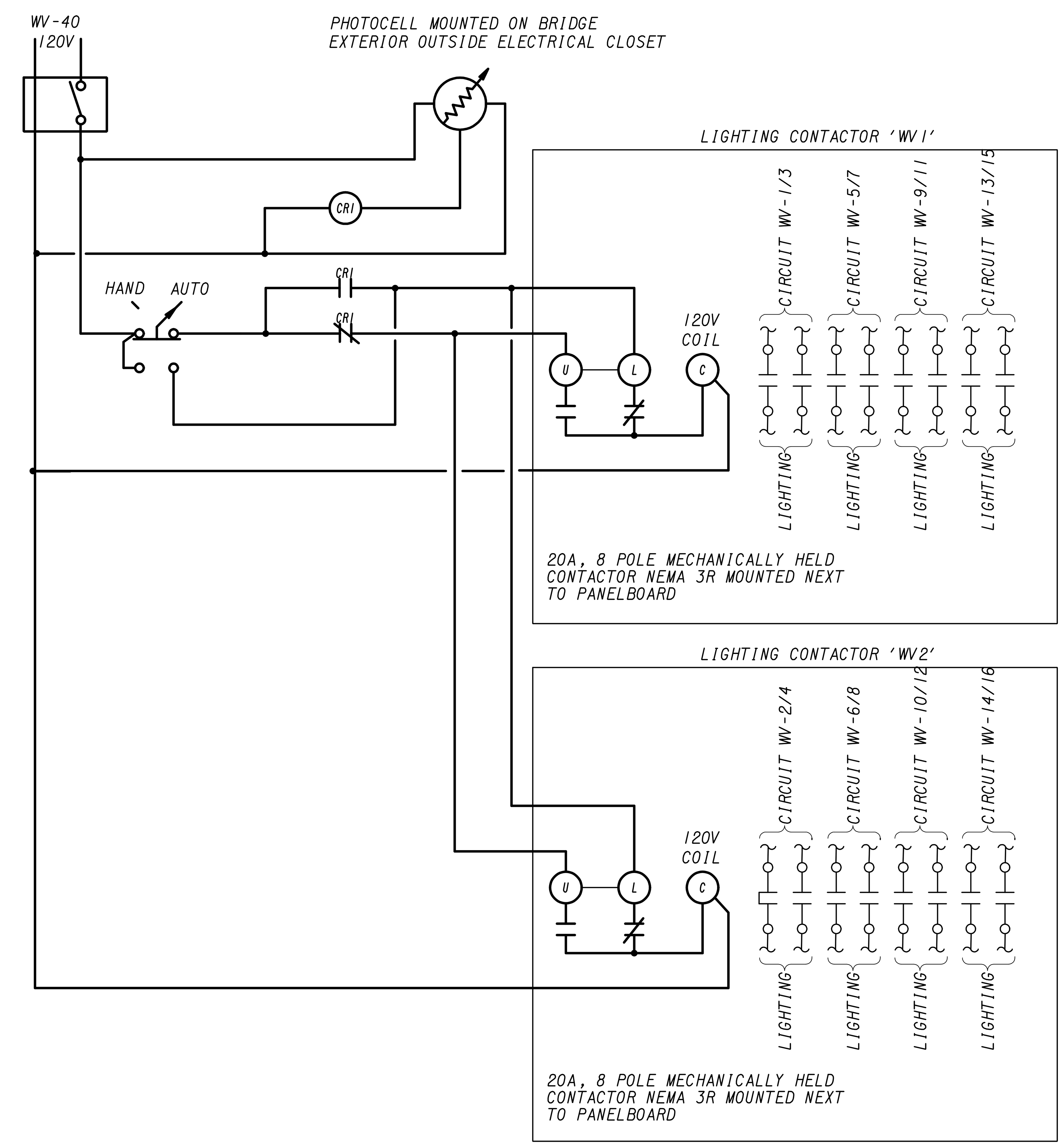
SERVICE SUBSUMMARY

WEST VIRGINIA	QTY.	REMARKS
PANELBOARD NEMA 3R	1	120/240V, 1Ø, 3W
WIREWAY 6"x6"x2'-0" NEMA 3R	1	
OHIO	QTY.	REMARKS
PANELBOARD NEMA 3R	1	120/240V, 1Ø, 3W
WIREWAY 6"x6"x2'-0"	1	

PANELBOARD PRICING SHALL INCLUDE LIGHTING CONTACTORS AND ASSOCIATED EQUIPMENT



OHIO LIGHTING CONTROL DETAIL
SCALE: NONE



WEST VIRGINIA LIGHTING CONTROL DETAIL
SCALE: NONE

DESIGN AGENCY
BRW HAZELET & ERDAL
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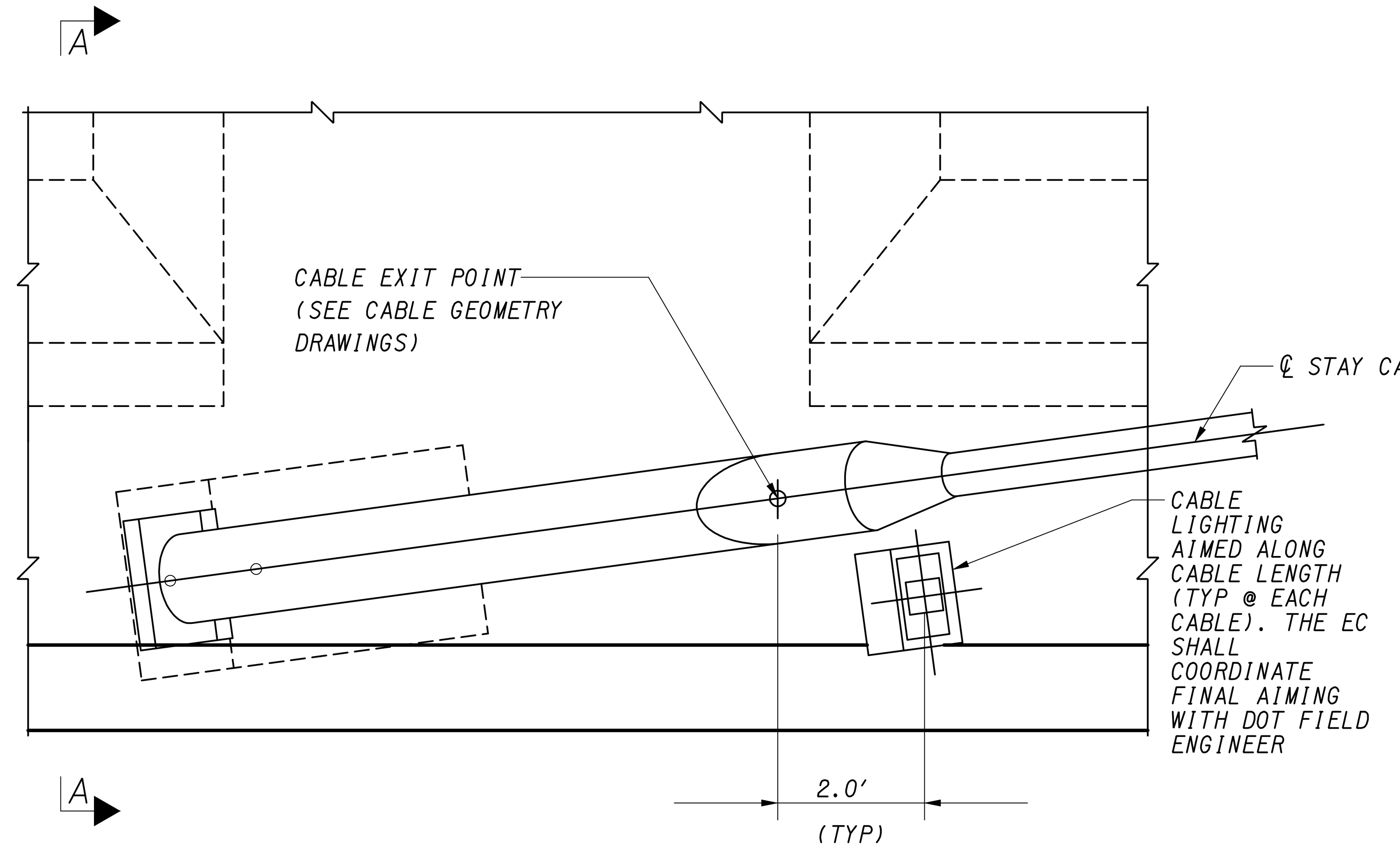
CINCINNATI, OHIO 45202

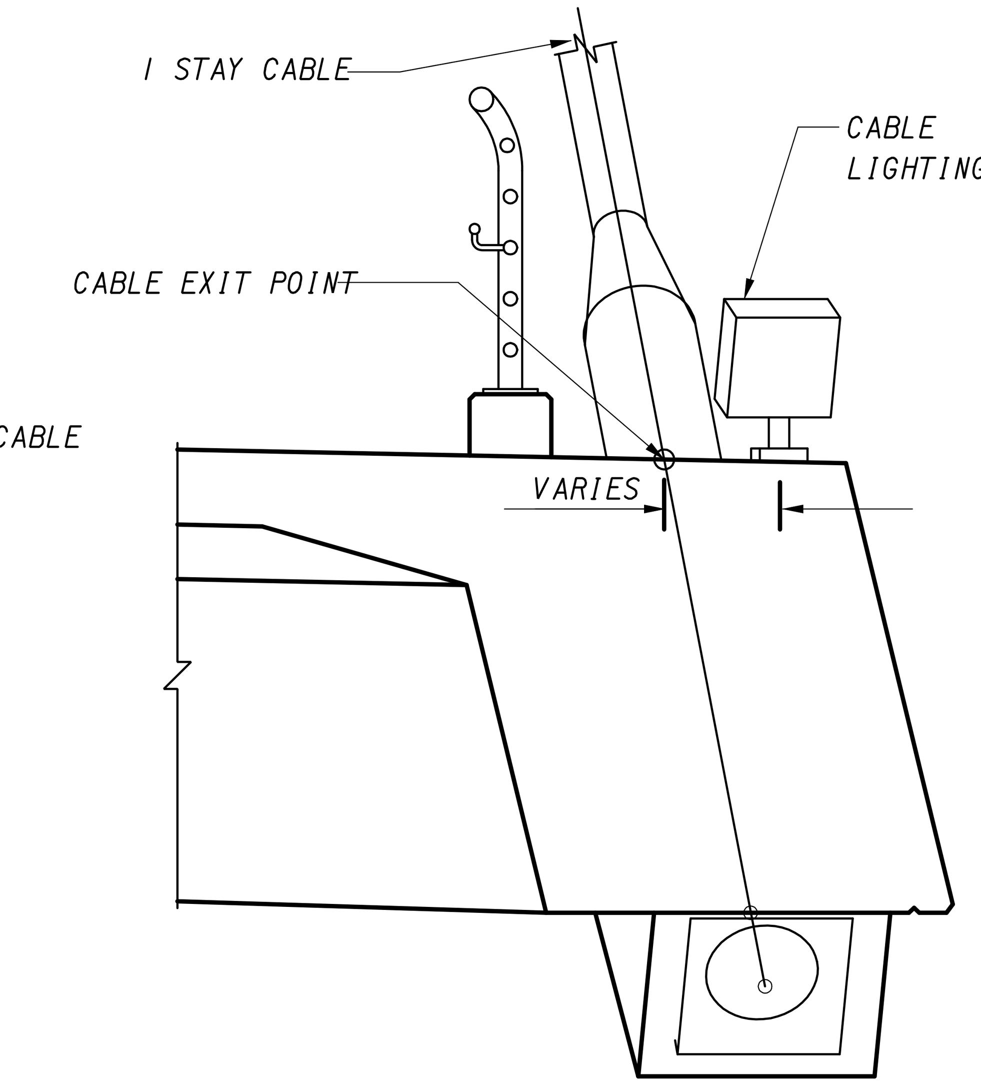
DESIGNED | DRAWN | REVIEWED ENM | DATE 5-02
CHECKED | REVISED | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

AESTHETIC LIGHTING MISCELLANEOUS DETAILS
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

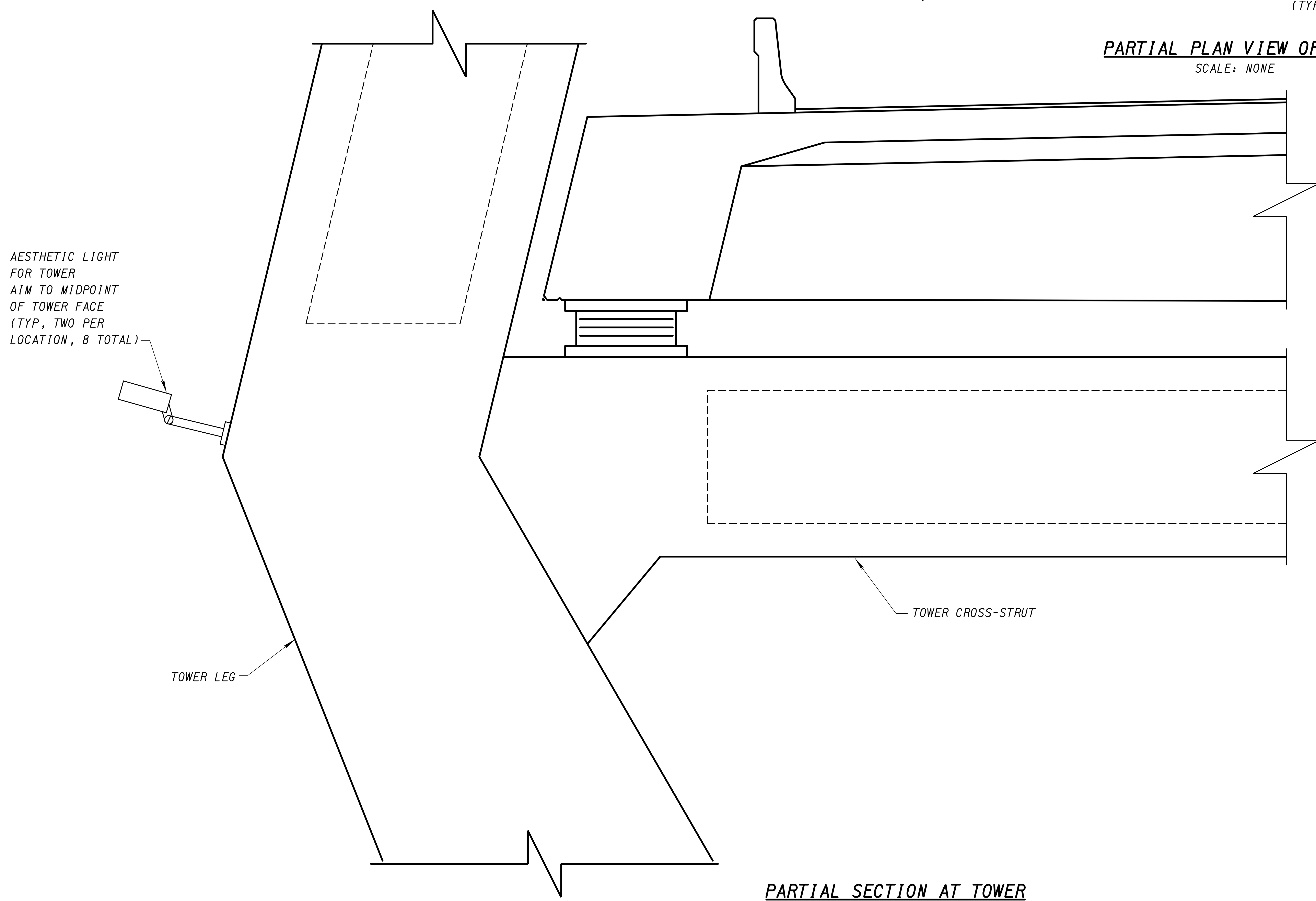
MEG-33-15.70



PARTIAL PLAN VIEW OF DECK
SCALE: NONE



SECTION A-A
SCALE: NONE



PARTIAL SECTION AT TOWER
SCALE: NONE

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DESIGN AGENCY
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DESIGNED	DRAWN	REVIEWED	DATE
		ENM	5-02

CHECKED	REVISED	STRUCTURE FILE NUMBER
		5300916 OH 10385 WV

AESTHETIC LIGHTING MISCELLANEOUS DETAILS
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

194/243

524/582

WEST VIRGINIA SIDE

Item Special Lighting Misc: 400 Watt Flood Light w/Mounting Bracket

NO.	FIXTURE	FIXTURE STAND	INSTALL KIT	1" RIGID CONDUIT	#6 AWG CABLE	#10 AWG CABLE
1	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
2	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
3	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
4	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
5	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
6	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
7	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	100'	25'
8	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	100'	25'
9	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	100'	25'
10	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	100'	25'
11	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	100'	25'
12	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	150'	600'	150'
13	400W M.H. WITH 1X2 DISTRIBUTION	18" WALL BRACKET	1	100'	200'	100'
14	400W M.H. WITH 1X2 DISTRIBUTION	18" WALL BRACKET	1	100'	200'	100'
15	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	150'	600'	150'
16	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	100'	25'
17	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	100'	25'
18	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	100'	25'
19	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
20	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	100'	25'
21	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
22	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
23	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
24	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
25	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
26	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
51	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
52	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
53	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
54	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
55	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
56	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
57	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
58	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	100'	25'
59	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	100'	25'
60	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	100'	25'
61	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	100'	25'
62	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	60'	240'	60'
63	400W M.H. WITH 1X2 DISTRIBUTION	18" WALL BRACKET	1	12'	24'	12'
64	400W M.H. WITH 1X2 DISTRIBUTION	18" WALL BRACKET	1	15'	30'	15'
65	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	60'	240'	60'
66	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	100'	25'
67	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	100'	25'
68	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	100'	25'
69	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	100'	25'
70	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	100'	25'
71	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
72	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
73	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
74	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
75	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
76	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
	TOTAL TO GENERAL SUMMARY WEST VIRGINIA		52	1747	5234	1747

OHIO SIDE

Item Special Lighting Misc: 400 Watt Flood Light w/Mounting Bracket

NO.	FIXTURE	FIXTURE STAND	INSTALL KIT	1" RIGID CONDUIT	#6 AWG CABLE	#10 AWG CABLE
27	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
28	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
29	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
30	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
31	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
32	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
33	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
34	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	100'	25'
35	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	100'	25'
36	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	100'	25'
37	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	100'	25'
38	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	150'	600'	150'
39	400W M.H. WITH 1X2 DISTRIBUTION	18" WALL BRACKET	1	100'	200'	100'
40	400W M.H. WITH 1X2 DISTRIBUTION	18" WALL BRACKET	1	100'	200'	100'
41	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	150'	600'	150'
42	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	21'	84'	21'
43	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	21'	84'	21'
44	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	21'	84'	21'
45	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	21'	84'	21'
46	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	21'	84'	21'
47	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	21'	42'	21'
48	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	21'	42'	21'
49	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	21'	42'	21'
50	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	21'	42'	21'
77	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
78	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
79	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
80	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
81	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
82	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
83	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	100'	25'
84	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	100'	25'
85	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	100'	25'
86	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	100'	25'
87	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	100'	25'
88	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	60'	240'	60'
89	400W M.H. WITH 1X2 DISTRIBUTION	18" WALL BRACKET	1	12'	24'	12'
90	400W M.H. WITH 1X2 DISTRIBUTION	18" WALL BRACKET	1	15'	30'	15'
91	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	60'	240'	60'
92	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	100'	25'
93	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	100'	25'
94	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	100'	25'
95	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
96	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	100'	25'
97	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
98	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
99	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
100	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
101	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
102	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
103	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
104	400W M.H. WITH 1X2 DISTRIBUTION	18" STANCHION MTG. KIT	1	25'	50'	25'
	TOTAL TO GENERAL SUMMARY OHIO		52	1711	5122	1711

SUMMARY 1" CONDUIT
WEST VIRGINIA
FLOOD LIGHTING 1747
TOWER AVIATION NAVIGATION 1370
TOTAL 3117

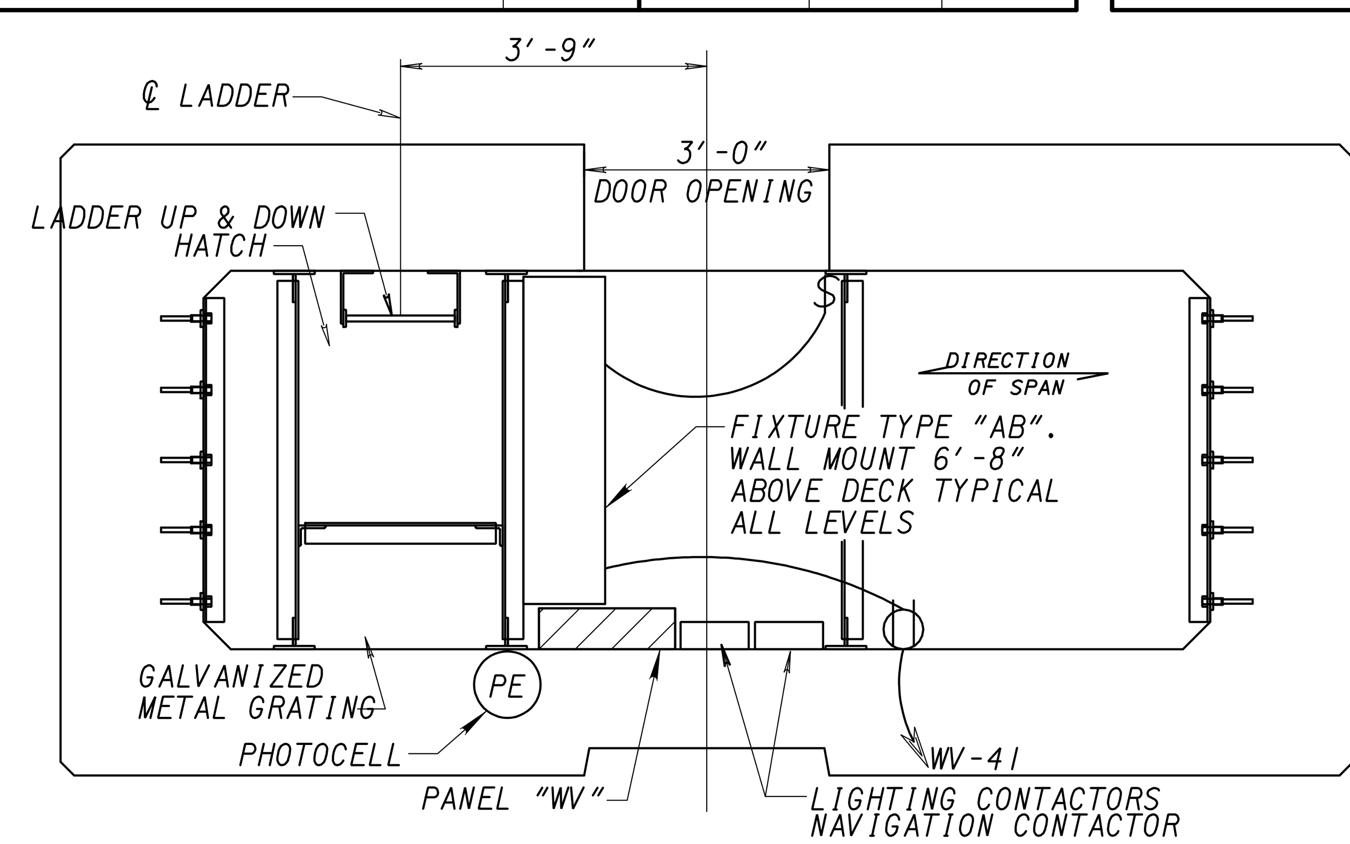
SUMMARY #10 AWG
WEST VIRGINIA
FLOOD LIGHTING 1747
TOWER LIGHTING 1540
TOTAL 3287

SUMMARY 1" CONDUIT
OHIO
FLOOD LIGHTING 1711
TOWER AVIATION NAVIGATION 910
TOTAL 2621

SUMMARY #10 AWG
OHIO
FLOOD LIGHTING 1711
TOWER LIGHTING 1540
TOTAL 3251

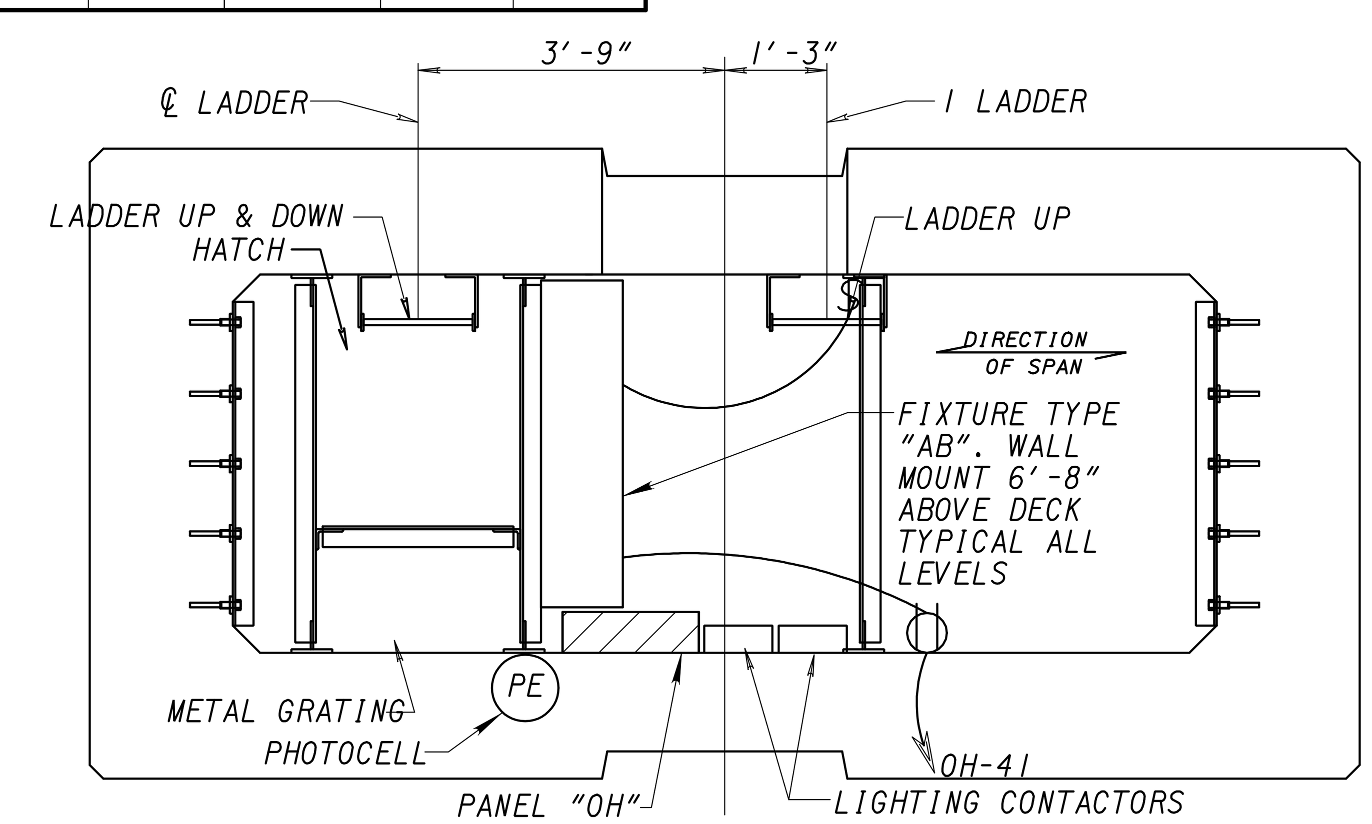
SUBSUMMARY

WEST VIRGINIA	POWER SERVICE	1" CONDUIT	4" CONDUIT	CONDUIT JACKED OR DRILLED	TRENCH	NAVIGATIONAL LGHTS GREEN	NAVIGATIONAL LGHTS RED	AVIATION LIGHTS RED.	LIGHT MISC. 350 KCMIL CABLE	#4 AWG CABLE	LIGHTING MISC: #2/0 AWG CABLE	#10 AWG CABLE	FLAT SHEET SIGN RED TYPE G	WRAPAROUND TYPE AB	JUNCTION BOX TYPE H 18 X 18 (WVDOH) W 4" OPENING	JUNCTION BOX TYPE B (WVDOH) w/ 4" OPENING	PULL BOX 713.08, 18"	CABLE SPLICING KIT
	EA	LF	LF	LF	LF	EA	EA	EA	LF	LF	LF	LF	SQFT	EA	EA	EA	EA	EA
AVIATION LIGHTING		220						1		440		220						
TOWER LIGHTING		440										1320		22				
NAVIGATION LIGHTING		710				1	2			2758			4					
POWER SUPPLY	1		1145	55	110				3600		1200				1	1		2
TOTAL TO GENERAL SUMMARY	1	1370	1145	55	110	1	2	1	3600	3198	1200	1540	4	22	1	1	0	2
OHIO																		
AVIATION LIGHTING		220						1		440		220						
TOWER LIGHTING		440										1320		22				
NAVIGATION LIGHTING		250				1	2						4					
POWER SUPPLY	1		500		140				1500		500						1	2
TOTAL TO GENERAL SUMMARY	1	910	500	0	140	1	2	1	1500	440	500	1540	4	22	0	0	1	2



PLAN AT PLATFORM LEVEL L-1 WV

N.T.S. REFER TO TOWER ELEVATION ON SHEET 191/243



PLAN AT PLATFORM LEVEL L-1 OH

N.T.S. REFER TO TOWER ELEVATION ON SHEET 191/243

DESIGN AGENCY
BRW HAZELET & ERDAL
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36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED | CHECKED | DRAWN | REVISED | REVIEWED ENM | DATE 5-02 | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

AESTHETIC LIGHTING SUB SUMMARY
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

GENERAL NOTES

1. RACEWAY, WIRING, CABLING, PULL BOXES, JUNCTION BOXES, ETC. SHOWN IN THE CONTRACT DOCUMENTS ARE DIAGRAMMATIC IN NATURE TO SHOW INTENT ONLY. AS THE RESULT OF DIFFERENCES BETWEEN VARIOUS MANUFACTURERS REQUIREMENTS, ALL RACEWAY, WIRING, AND CABLING MAY NOT BE SHOWN ON THE DRAWINGS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INCLUDE IN HIS/HER BID ANY ADDITIONAL RACEWAYS, WIRING, AND CABLING REQUIRED FOR THE PROPER INSTALLATION AND OPERATION OF THE SYSTEMS BEING PROPOSED FOR USE ON THIS PROJECT.
2. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND INSPECTIONS REQUIRED FOR THE WORK.
3. THE CONTRACTOR SHALL NOT ALLOW OR CAUSE ANY OF THE WORK TO BE COVERED UP OR ENCLOSED UNTIL IT HAS BEEN INSPECTED. ANY WORK THAT IS ENCLOSED OR COVERED UP BEFORE SUCH INSPECTION AND TEST SHALL BE UNCOVERED AT THE CONTRACTOR'S EXPENSE; AFTER IT HAS BEEN INSPECTED, THE CONTRACTOR SHALL RESTORE THE WORK TO ITS ORIGINAL CONDITION AT HIS OWN EXPENSE.
4. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, IN A NEAT AND WORKMANLIKE MANNER CONSISTENT WITH RECOGNIZED GOOD PRACTICE.
5. THE CONTRACTOR SHALL CONDUCT SUCH TESTS AND ADJUSTMENTS OF EQUIPMENT AS REQUIRED TO VERIFY EQUIPMENT PERFORMANCE. SUCH TESTS SHALL BE CONDUCTED IN THE PRESENCE OF THE OWNER OR HIS REPRESENTATIVE.
6. THE CONTRACTOR SHALL REMOVE ALL DEBRIS RESULTING FROM THE WORK, AS WELL AS ALL TOOLS, EQUIPMENT, ETC., FROM THE SITE UPON COMPLETION OF THIS CONTRACT. ALL EQUIPMENT, INCLUDING LIGHTING FIXTURES AND LENSES SHALL BE CLEAN AND FREE FROM DIRT, GREASE, FINGER MARKS, ETC., BEFORE FINAL ACCEPTANCE
7. PROVIDE SHOP DRAWINGS FOR ALL MATERIALS LISTED IN THIS SPECIFICATION.
8. ALL CONDUIT SHALL BE RIGID METAL CONDUIT, EXCEPT WHERE OTHERWISE NOTED.
9. INDIVIDUAL CONDUITS SHALL BE RIGIDLY SUPPORTED AND CLAMPED WITH ONE-HOLE CONDUIT CLAMPS, CONDUIT BEAM CLAMPS, CONDUIT HANGERS, OR WALL BRACKETS, AS REQUIRED FOR THE TYPE OF CONSTRUCTION AND/OR AS INDICATED ON THE DRAWINGS. THE USE OF PERFORATED FLAT STEEL STRAPS FOR SUPPORTING CONDUITS WILL NOT BE PERMITTED. CONDUITS SHALL BE SECURED SO THAT THEY CANNOT BE MOVED WITHOUT THE USE OF TOOLS.
10. PROVIDE PULL BOXES, JUNCTION BOXES, SPLICE BOXES AND FITTINGS WHERE SHOWN AND AT OTHER LOCATIONS AS NECESSARY IN ACCORDANCE WITH ODOT ITEM 625.
11. ALL CONDUCTORS SHOWN ON THE DRAWINGS ARE COPPER, EXCEPT WHERE OTHERWISE NOTED. ALUMINUM CONDUCTORS SHALL NOT BE SUBSTITUTED FOR COPPER CONDUCTORS.
12. CONDUCTORS FOR POWER AND LIGHTING FEEDERS AND BRANCH CIRCUITS SHALL HAVE CONDUCTOR IDENTIFICATION. CONDUCTOR IDENTIFICATION SHALL BE AS CALLED FOR IN THE NATIONAL ELECTRIC CODE. A SEPARATE COLOR SHALL BE USED FOR EACH PHASE CONDUCTOR OF EACH VOLTAGE SYSTEM. COLOR CODING SHALL BE CONSISTENT THROUGHOUT.
13. WIRING DEVICES SHALL BE HEAVY DUTY, SPECIFICATION GRADE AS MANUFACTURED BY BRYANT, HUBBELL, LEVITON. ALL DEVICES SHALL HAVE A WHITE FINISH.
14. SWITCHES SHALL BE SINGLE POLE, THREE WAY, AND/OR FOUR WAY AS INDICATED. SWITCHES SHALL BE TOGGLE TYPE, RATED 20 AMPERE, 120/277 VOLT.
15. RECEPTACLES SHALL BE DUPLEX, 2 POLE, 3 WIRE, NEMA 5-20R, GROUNDING TYPE, RATED 20 AMPERE, 125 VOLT. RECEPTACLE FACE SHALL BE CONSTRUCTED OF IMPACT RESISTIVE NYLON.
16. GROUND-FAULT CIRCUIT INTERRUPTER RECEPTACLES SHALL BE DUPLEX, FEED THROUGH TYPE, NEMA 5-20R. RECEPTACLE SHALL BE GROUNDING TYPE, CLASS A, GROUP I, PER UL STANDARD 94.3.
17. PROVIDE SPECIAL CONFIGURATION RECEPTACLES AS INDICATED ON THE DRAWINGS.
18. DEVICE COVERPLATES SHALL BE IMPACT RESISTIVE NYLON WITH A WHITE FINISH.
19. ELEVATIONS FOR OUTLETS FROM FINISHED FLOOR TO CENTER OF OUTLET SHALL BE AS FOLLOWS, EXCEPT WHERE OTHERWISE NOTED:
    SWITCHES: 4'-0"
    RECEPTACLES IN FINISHED SPACES: 1'-6"
20. OUTLET, DEVICE, AND WIRING BOXES SHALL BE SHEET STEEL WITH STAMPED KNOCKOUTS, THREADED SCREW HOLES, AND ACCESSORIES FOR EACH LOCATION INCLUDING MOUNTING BRACKETS AND STRAPS, CABLE CLAMPS, EXTERIOR RINGS, AND FIXTURE STUDS.
21. PROVIDE ALL ANGLE IRON, CHANNELS, RODS, SUPPORTS, OR HANGERS REQUIRED TO INSTALL ANY ELECTRICAL EQUIPMENT.
22. PANEL BOARDS SHALL BE CIRCUIT BREAKER TYPE AND SHALL HAVE VOLTAGE RATING, CURRENT RATING, NUMBER OF PHASES, AND NUMBER OF WIRES AS SHOWN ON THE DRAWINGS. ALL PANELS SHALL HAVE A SOLID NEUTRAL BAR AND A GROUND BAR. PANELS SHALL BE DEAD FRONT TYPE CONSTRUCTION WITH A GALVANIZED CODE GAUGE SHEET STEEL CABINET WITHOUT KNOCKOUTS. PANELS SHALL BE A MINIMUM OF 20" WIDE EXCEPT WHERE OTHERWISE NOTED. PANELS SHALL BE COMPLETE WITH DOOR AND LOCK. PANELS SHALL BE SUITABLE FOR SURFACE OR FLUSH MOUNTING AS NOTED. ENCLOSURE SHALL BE RATED NEMA 1 UNLESS OTHERWISE NOTED. PANELS SHALL HAVE COPPER MAIN VERTICAL BUS. CIRCUIT BREAKERS SHALL BE BOLT-IN TYPE.
23. PANELS SHALL HAVE AN INTEGRATED SHORT CIRCUIT RATING (IN RMS SYMMETRICAL AMPERES) OF NOT LESS THAN THE INTERRUPTING RATING OF THE LOWEST RATED CIRCUIT BREAKER IN THE PANEL. PANELS SHALL HAVE THE NUMBER AND SIZE OF CIRCUIT BREAKERS AS SHOWN ON THE DRAWINGS. WHERE SPACES ARE CALLED FOR, PANEL BUS SHALL BE EXTENDED BEHIND THE SPACES.
24. NON-PADLOCKING TYPE CIRCUIT BREAKER HANDLE-LOCKING DEVICES SHALL BE PROVIDED WHERE SHOWN ON THE DRAWINGS.
25. EACH PANEL SHALL HAVE A TYPEWRITTEN DIRECTORY ON THE INSIDE OF THE DOOR DESIGNATING THE USE AND LOCATION OF EACH CIRCUIT.
26. DISCONNECT SWITCH TYPE COMBINATION MAGNETIC STARTERS SHALL BE THREE PHASE, 600 V, FUSIBLE. DISCONNECT SWITCHES SHALL BE QUICK-MAKE, QUICK-BREAK, HEAVY-DUTY TYPE. FUSIBLE DISCONNECT SWITCHES SHALL HAVE FUSE CLIPS FOR U.L. LISTED NEMA CLASS FUSES. FUSE CLIPS FOR RK-1 OR J FUSES SHALL BE SPRING-REINFORCED. FUSE SWITCHES AND FUSES SHALL HAVE A MINIMUM INTEGRATED INTERRUPTING RATING OF 50,000, RMS SYMMETRICAL AT 480 V AC. ENCLOSURE SHALL BE NEMA 1 FOR INDOOR INSTALLATIONS AND NEMA 3R FOR OUTDOOR INSTALLATIONS.
27. ALL CIRCUIT BREAKERS SHALL BE QUICK-MAKE, QUICK-BREAK, WITH THERMAL-MAGNETIC TRIPS AND A MINIMUM INTERRUPTING RATING OF 10,000 AMPERES AT 240 VOLT, RMS SYMMETRICAL. PROVIDE GROUND FAULT INTERRUPTER TYPE CIRCUIT BREAKERS WHERE NOTED.
28. PROVIDE A COMPLETE SET OF FUSES FOR ALL FUSIBLE EQUIPMENT ON THE JOB. ALL FUSES SHALL BE OF THE SAME MANUFACTURER AND SHALL HAVE AN INTERRUPTING RATING OF 200,000 A, RMS SYMMETRICAL, EXCEPT OTHERWISE NOTED. ALL FUSES SHALL BEAR A UL LABEL AND NEMA CLASS DESIGNATION. FUSE IDENTIFICATION LABELS SHOWING SIZE AND TYPE OF FUSE INSTALLED SHALL BE PLACED INSIDE THE COVER OF EACH SWITCH OR PIECE OF EQUIPMENT.
29. FUSES RATED 600A AND LESS SHALL BE TIME DELAY, DUAL-ELEMENT CURRENT LIMITING TYPE, UL LISTED NEMA CLASS RK-1, EXCEPT WHERE OTHERWISE NOTED.
30. FUSES RATED ABOVE 600A SHALL BE TIME DELAY, CURRENT LIMITING TYPE, UL LISTED, NEMA CLASS L, EXCEPT WHERE OTHERWISE NOTED.
31. PROVIDE ON EACH PANEL BOARD, DISCONNECT SWITCH, ETC. A 1" X 3" LAMINATED PHENOLIC NAMEPLATE TO IDENTIFY THE EQUIPMENT. NAMEPLATES SHALL BE ENGRAVED TO SHOW BLACK LETTERS ON A WHITE BACKGROUND. NAMEPLATES SHALL BE FASTENED TO THE DOOR WITH TWO SELF-TAPPING METAL SCREWS AND SHALL BE REMOVABLE.
32. REFER TO THE LIGHTING FIXTURE SCHEDULE FOR FIXTURE TYPES AND MANUFACTURERS.
33. PROVIDE ALL MATERIALS AND LABOR REQUISITE TO INSTALL AN APPROVED GROUNDING SYSTEM TO AN APPROVED, ADEQUATE GROUND SOURCE, PER NEC.
34. GROUND ALL CONDUITS, FIXTURES, RECEPTACLES, PANELS AND OTHER EXPOSED NONCURRENT CARRYING METAL PARTS OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ALL PROVISIONS OF THE NATIONAL ELECTRICAL CODE.
35. PROVIDE A GROUND WIRE IN ALL FEEDER AND BRANCH CIRCUITS.
36. WHERE GROUNDING CONDUCTORS ARE SUBJECT TO MECHANICAL INJURY, THEY SHALL BE INSTALLED IN A RIGID NON-FERROUS RACEWAY.
37. CONDUCTORS FOR GROUNDING SYSTEM SHALL BE SOFT OR MEDIUM HARD DRAWN, STRANDED, BARE COPPER, EXCEPT WHERE OTHERWISE NOTED. ALL CONDUCTORS #8 AWG AND SMALLER SHALL BE INSULATED, GREEN IN COLOR.
38. ALL CONNECTION OF GROUND CONDUCTORS TO STRUCTURAL MEMBERS, PIPES, AND SPLICES OF GROUND CONDUCTORS SHALL BE MADE BY EXOTHERMIC WELDS, EXCEPT WHERE OTHERWISE NOTED. ALL CONNECTIONS TO BAR LUGS SHALL BE EXOTHERMIC WELD OR COMPRESSION TYPE. BOLTED TYPE CONNECTION OF GROUND CONDUCTORS MAY ONLY BE MADE WHERE TERMINAL LUGS OR BLOCKS HAVE BEEN FURNISHED AND INSTALLED IN EQUIPMENT BY THE MANUFACTURER. EXOTHERMIC WELDS SHALL BE CADWELD OR THERM-O-WELD.

    GROUNDRODS SHALL BE ODOT ITEM 625 GROUNDRODS.
39. ITEM SPECIAL: LIGHTING MISC: 400 WATT FLOOD LIGHT W/ MOUNTING BRACKETS WHEN SHOWN ON THE PLANS CONTRACTOR SHALL INSTALL 400 WATT FLOOD LIGHTS. INSTALLATION SHALL INCLUDE ALL EQUIPMENT, LABOR, AND MATERIAL NECESSARY TO SATISFACTORY COMPLETE THE ITEM. PAYMENT FOR ITEM SHALL BE MADE UNDER ITEM SPECIAL: LIGHTING MISC: 400 WATT FLOOD LIGHT W/ MOUNTING BRACKET.

DESIGN AGENCY
BRW HAZELET & ERDAL
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36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED | DRAWN | REVIEWED ENM | DATE 5-02
CHECKED | REVISED | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

AESTHETIC LIGHTING GENERAL NOTES
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

NOT USED

BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

DESIGNED	DRAWN	REVIEWED	DATE
		JRC	5-02
CHECKED	REVISED	STRUCTURE FILE NUMBER 5300916 OH 10385 WV	

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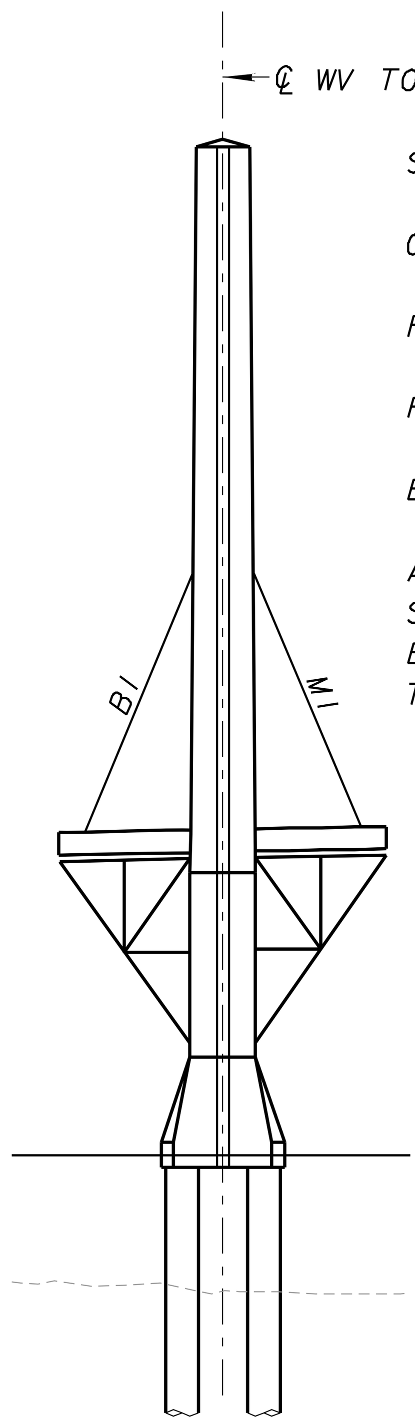
CABLE STAYED ERECTION SEQUENCE (1)

BRIDGE NO. MEG-33-1570

POMEROY MASON BRIDGE OVER OHIO RIVER



STAGE 1:

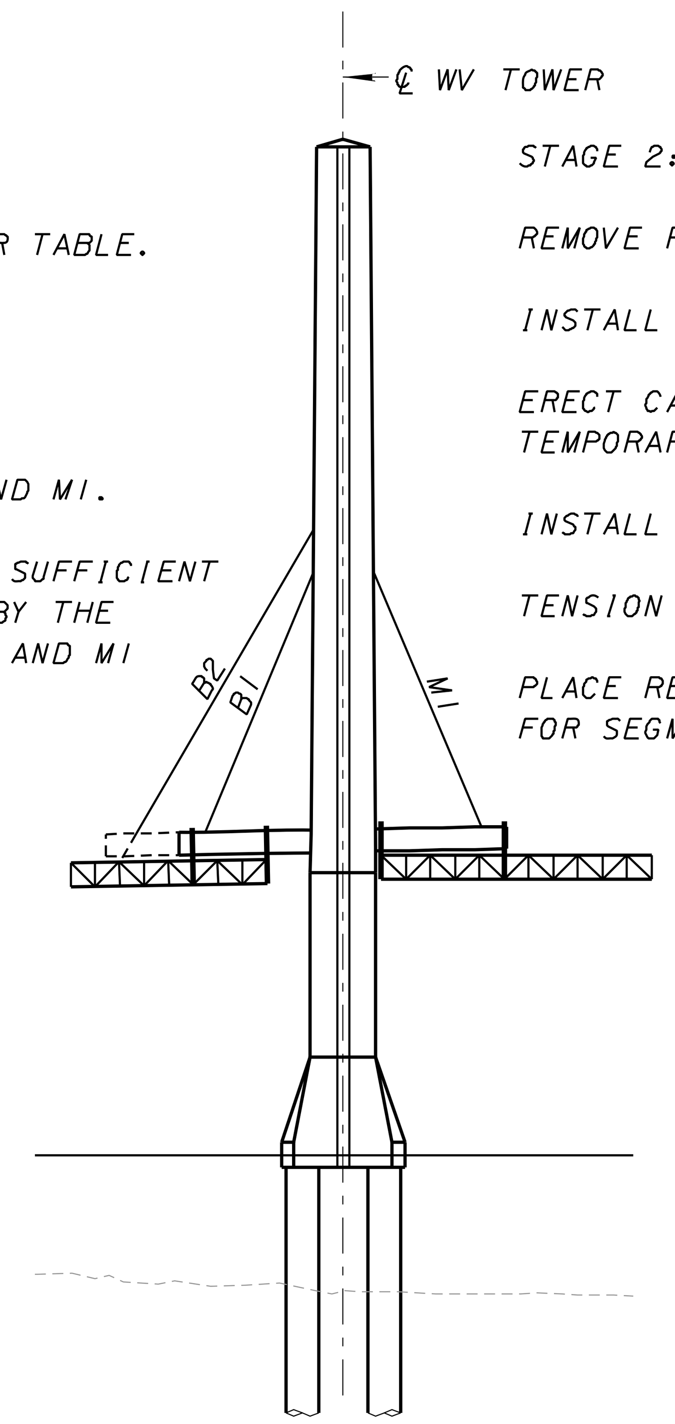
CONSTRUCT FALSEWORK FOR PIER TABLE.

PLACE REINFORCEMENT.

POUR CONCRETE.

ERECT PERMANENT CABLES B1 AND M1.

AFTER CONCRETE HAS ACHIEVED SUFFICIENT STRENGTH, AND AS APPROVED BY THE ENGINEER, TENSION CABLES B1 AND M1 TO THE REQUIRED FORCES.



STAGE 2:

REMOVE PIER TABLE FALSEWORK.

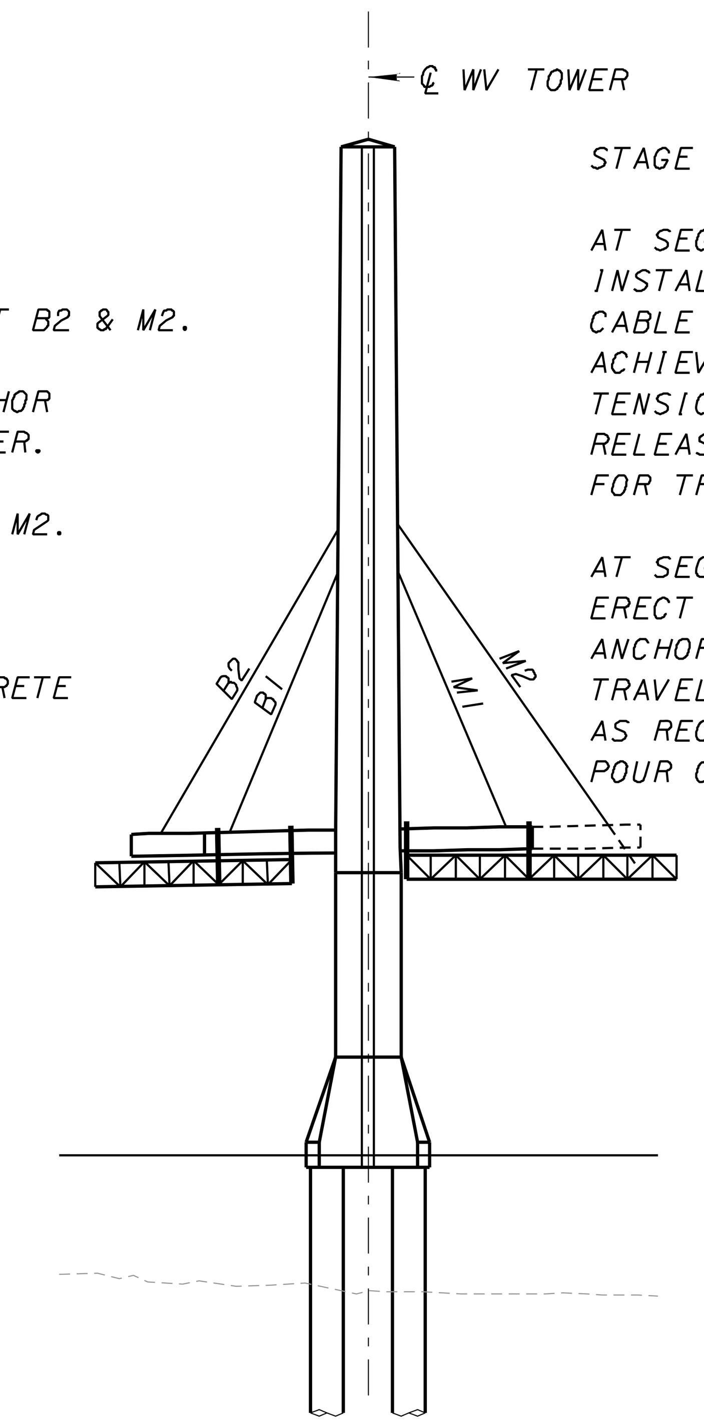
INSTALL FORM TRAVELERS FOR SEGMENT B2 & M2.

ERECT CABLE B2, EXTEND IT AND ANCHOR TEMPORARILY AT FORM TRAVELER GIRDER.

INSTALL FORM TRAVELER FOR SEGMENT M2.

TENSION CABLE B2 AS REQUIRED.

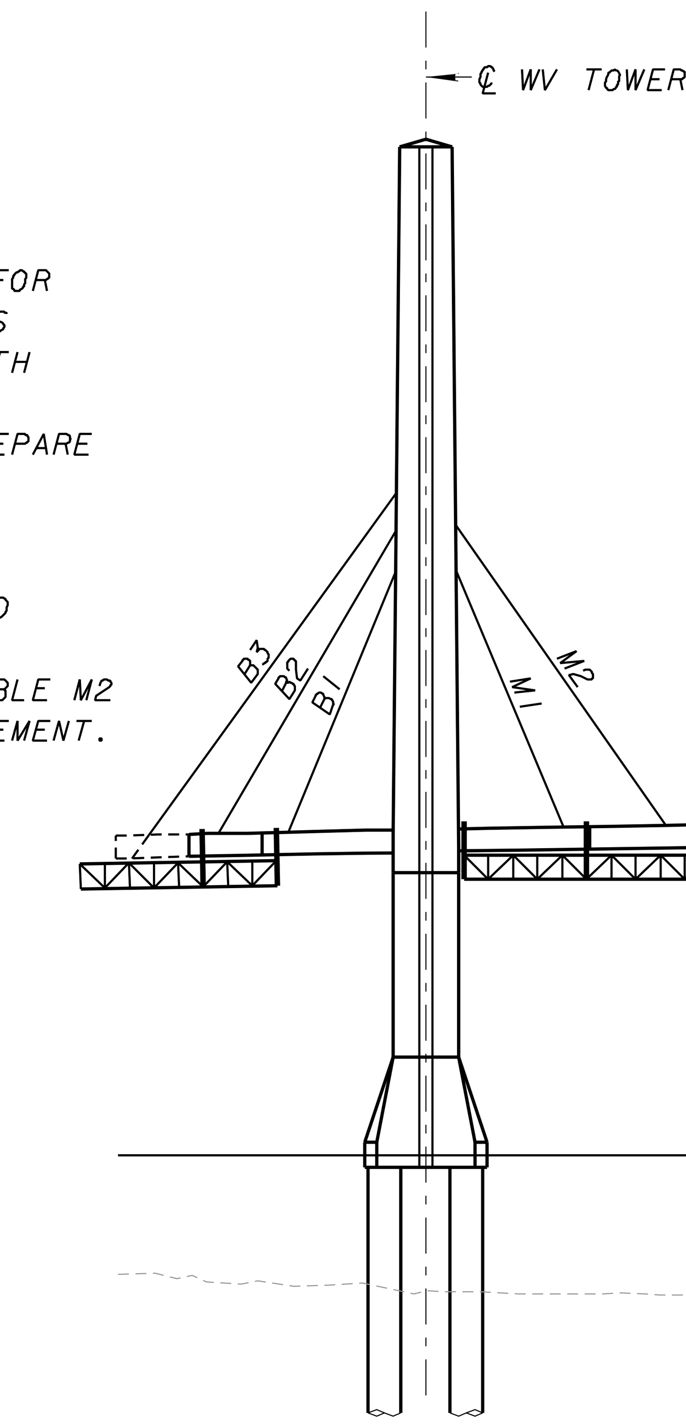
PLACE REINFORCEMENT AND POUR CONCRETE FOR SEGMENT B2.



STAGE 3:

AT SEGMENT B2:
INSTALL PERMANENT ANCHORAGE FOR CABLE B2. AFTER CONCRETE HAS ACHIEVED THE REQUIRED STRENGTH TENSION CABLE B2 AS REQUIRED. RELEASE FORM TRAVELER AND PREPARE FOR TRAVELLING.

AT SEGMENT M2:
ERECT CABLE M2, EXTEND IT AND ANCHOR TEMPORARILY TO FORM TRAVELER GIRDER. TENSION CABLE M2 AS REQUIRED. PLACE REINFORCEMENT. POUR CONCRETE.

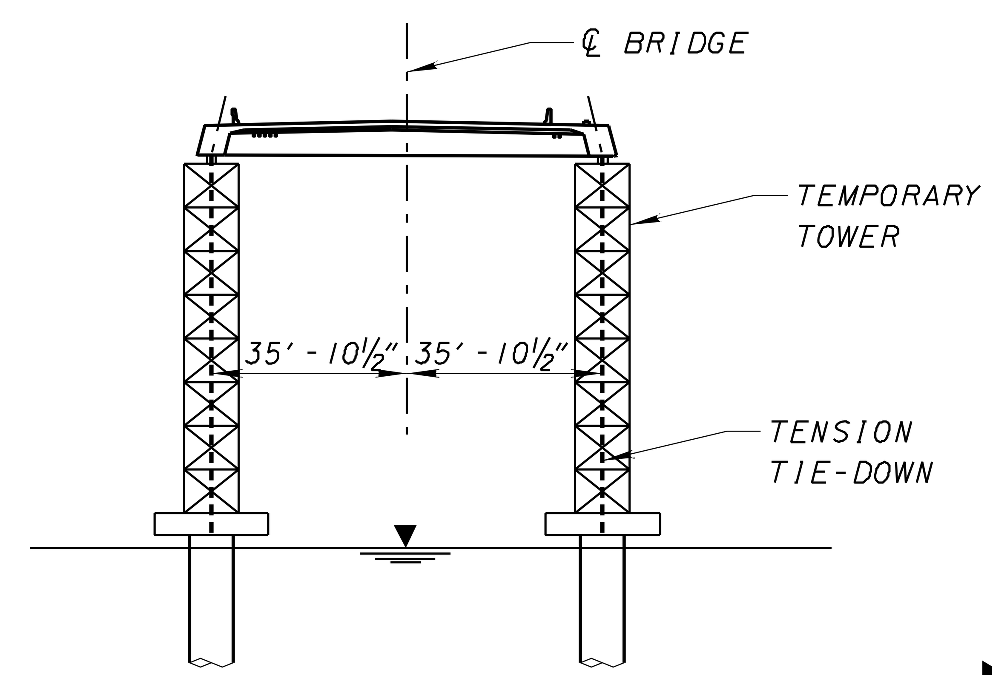


STAGE 4:

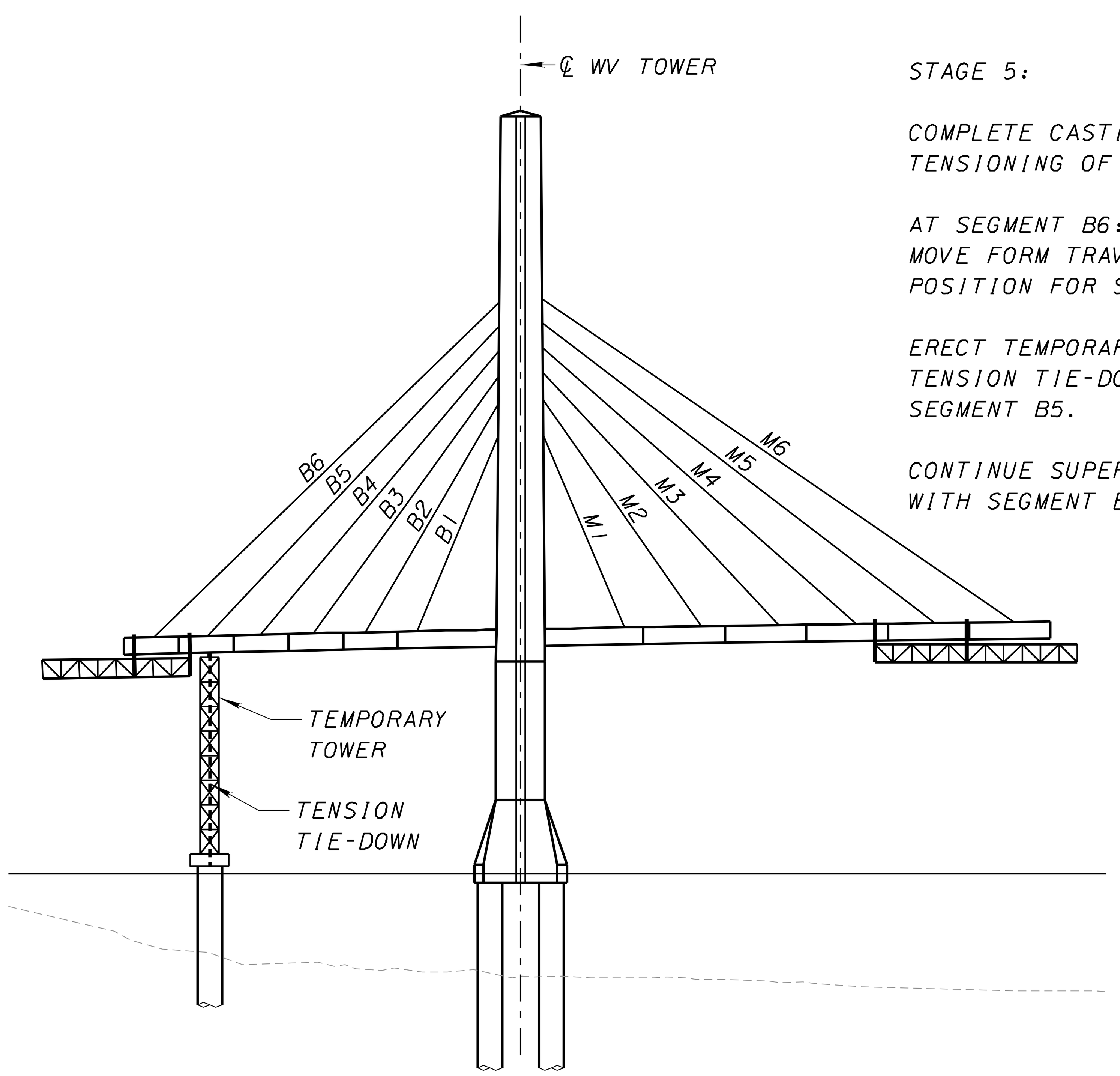
AT SEGMENT M2:
AFTER CONCRETE HAS ACHIEVED THE REQUIRED STRENGTH, INSTALL PERMANENT ANCHORAGE FOR CABLE M2. TENSION CABLE M2 AS REQUIRED. RELEASE FORM TRAVELER AND PREPARE FOR TRAVELLING.

AT SEGMENT B3:
MOVE FORM TRAVELER TO THE CASTING POSITION FOR SEGMENT B3. ERECT CABLE B3, EXTEND IT AND ANCHOR TEMPORARILY TO FORM TRAVELER GIRDER.
TENSION CABLE B3 AS REQUIRED.
PLACE REINFORCEMENT AND POUR CONCRETE.

REPEAT THESE STEPS UNTIL CABLES B6 AND M6 ARE REACHED.



SECTION A-A



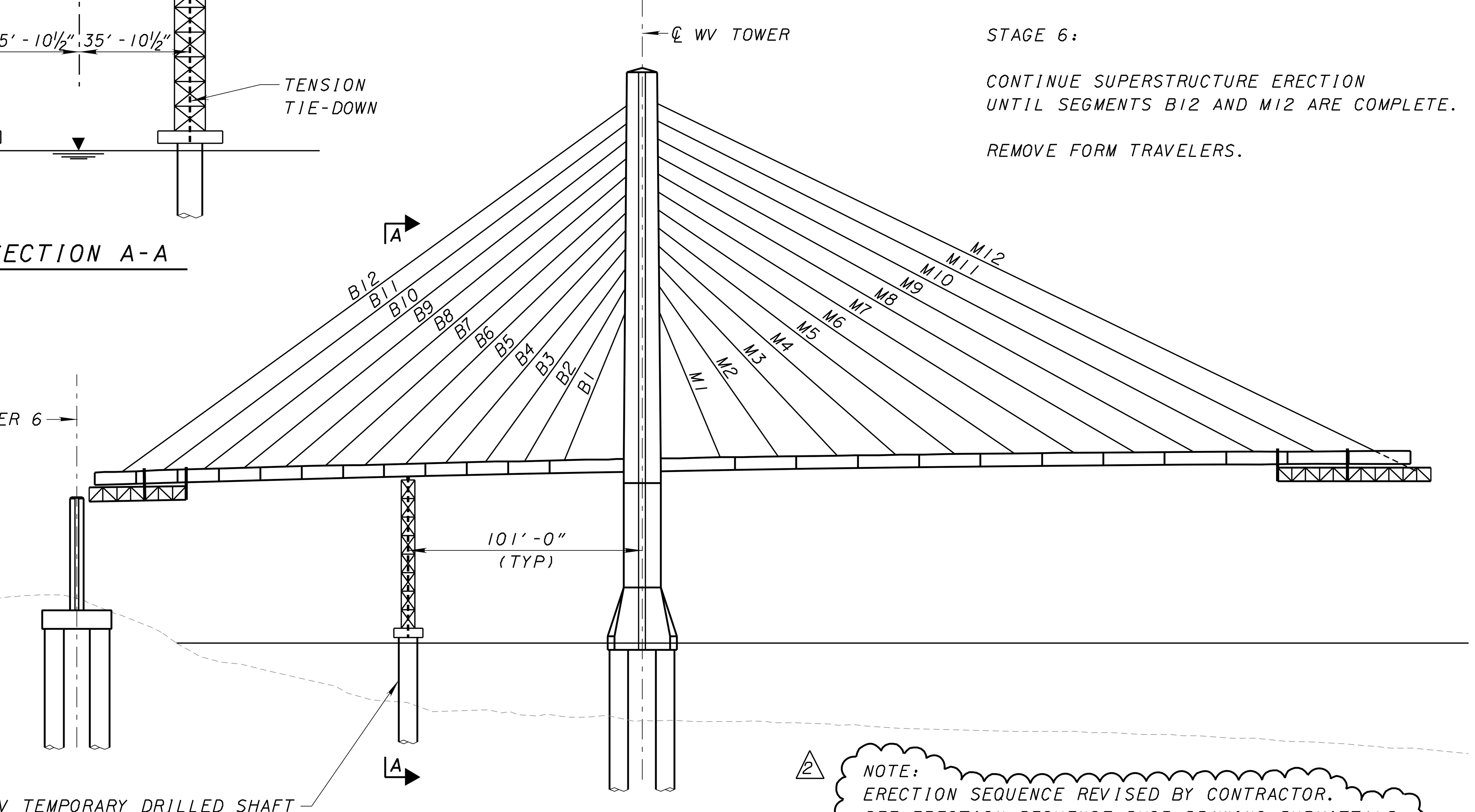
STAGE 5:

COMPLETE CASTING OF SEGMENT M6 AND TENSIONING OF CABLE M6 AS REQUIRED.

AT SEGMENT B6:
MOVE FORM TRAVELER TO THE CASTING POSITION FOR SEGMENT B7.

ERECT TEMPORARY TOWER WITH TENSION TIE-DOWNS UNDER SEGMENT B5.

CONTINUE SUPERSTRUCTURE ERECTION WITH SEGMENT B7.



STAGE 6:

CONTINUE SUPERSTRUCTURE ERECTION UNTIL SEGMENTS B12 AND M12 ARE COMPLETE.

REMOVE FORM TRAVELERS.

1 WV TEMPORARY DRILLED SHAFT

2 NOTE:
ERECTION SEQUENCE REVISED BY CONTRACTOR.
SEE ERECTION SEQUENCE SHOP DRAWING SUBMITTALS.

NUMBER	REVISION	DATE	BY
1	ADDED NOTE	11-02	DLJ
2	AS-BUILT	6-09	DLJ

DESIGN AGENCY
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DESIGNED	DRAWN	REVIEWED	DATE
DLJ	CER	SLS	8-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
RJB		5300916 OH 10385 WV	

MEG-33-15.70

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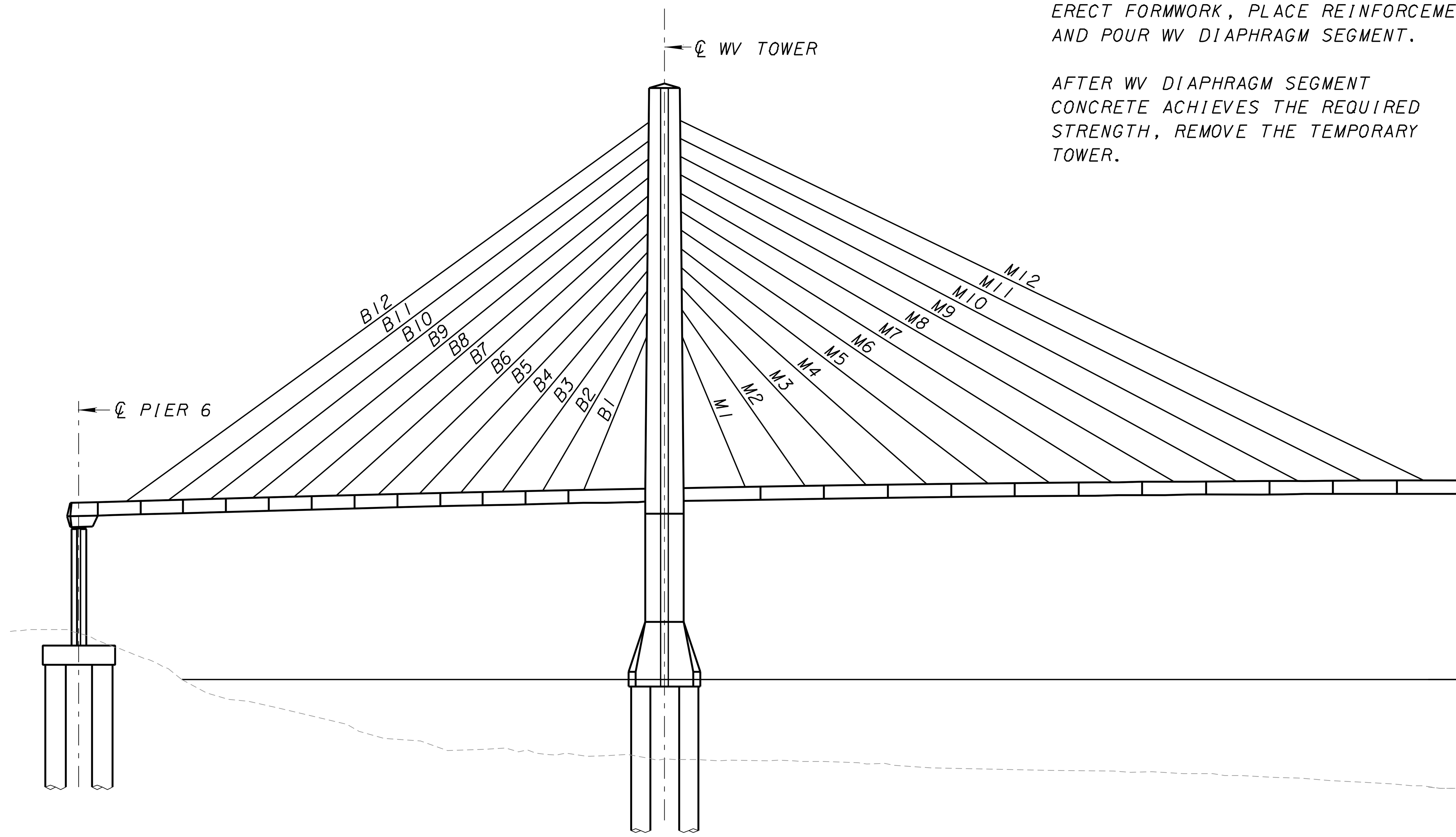
STAGE 7:

ERECT FORMWORK, PLACE REINFORCEMENT, AND POUR WV DIAPHRAGM SEGMENT.

AFTER WV DIAPHRAGM SEGMENT CONCRETE ACHIEVES THE REQUIRED STRENGTH, REMOVE THE TEMPORARY TOWER.



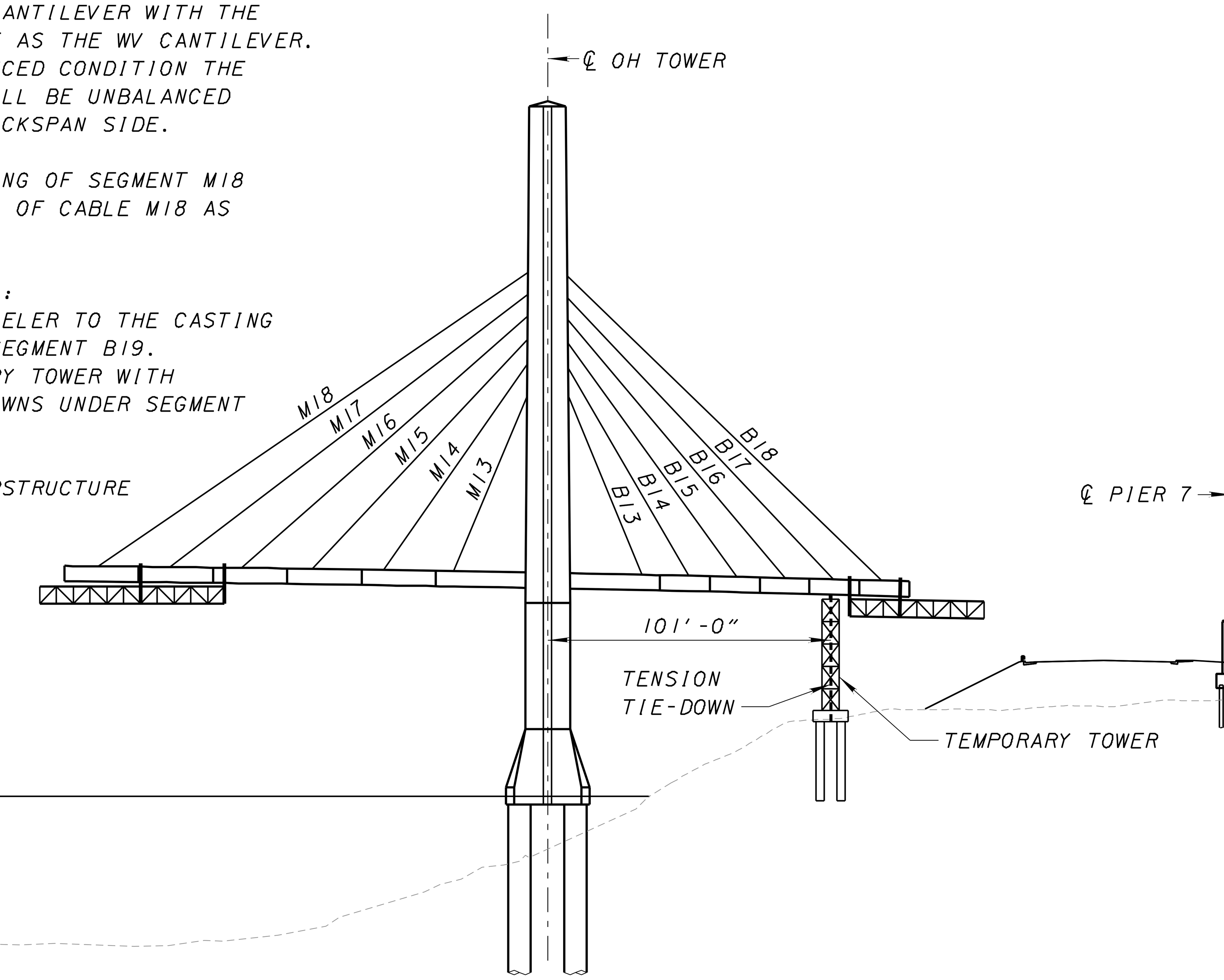
STAGE 8:

ERECT THE OH CANTILEVER WITH THE SAME PROCEDURE AS THE WV CANTILEVER. IN THE UNBALANCED CONDITION THE CANTILEVER SHALL BE UNBALANCED TOWARDS THE BACKSPAN SIDE.

COMPLETE CASTING OF SEGMENT M18 AND TENSIONING OF CABLE M18 AS REQUIRED.

AT SEGMENT B18:
MOVE FORM TRAVELER TO THE CASTING POSITION FOR SEGMENT B19.
ERECT TEMPORARY TOWER WITH TENSION TIE-DOWNS UNDER SEGMENT B17.

CONTINUE SUPERSTRUCTURE ERECTION WITH SEGMENT B19.



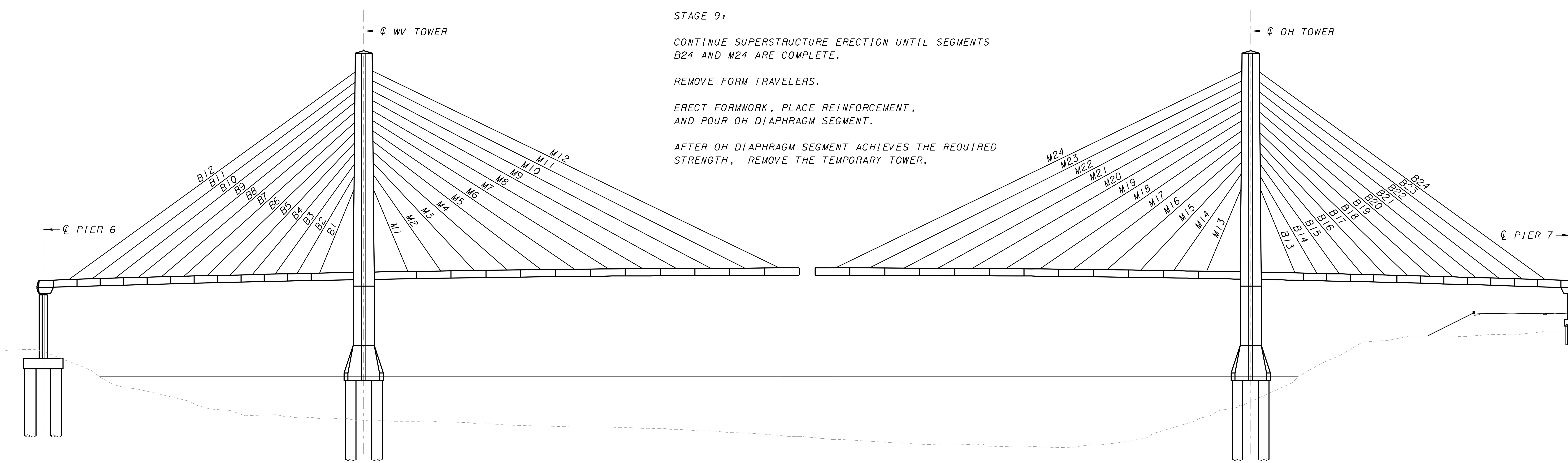
STAGE 9:

CONTINUE SUPERSTRUCTURE ERECTION UNTIL SEGMENTS B24 AND M24 ARE COMPLETE.

REMOVE FORM TRAVELERS.

ERECT FORMWORK, PLACE REINFORCEMENT, AND POUR OH DIAPHRAGM SEGMENT.

AFTER OH DIAPHRAGM SEGMENT ACHIEVES THE REQUIRED STRENGTH, REMOVE THE TEMPORARY TOWER.



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DESIGNED	DRAWN	REVIEWED	DATE
DLJ	CER	SLS	8-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
RJB		5300916 OH 10385 WV	

CABLE STAYED ERECTION SEQUENCE (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

5/16/2006 7:27:57 AM

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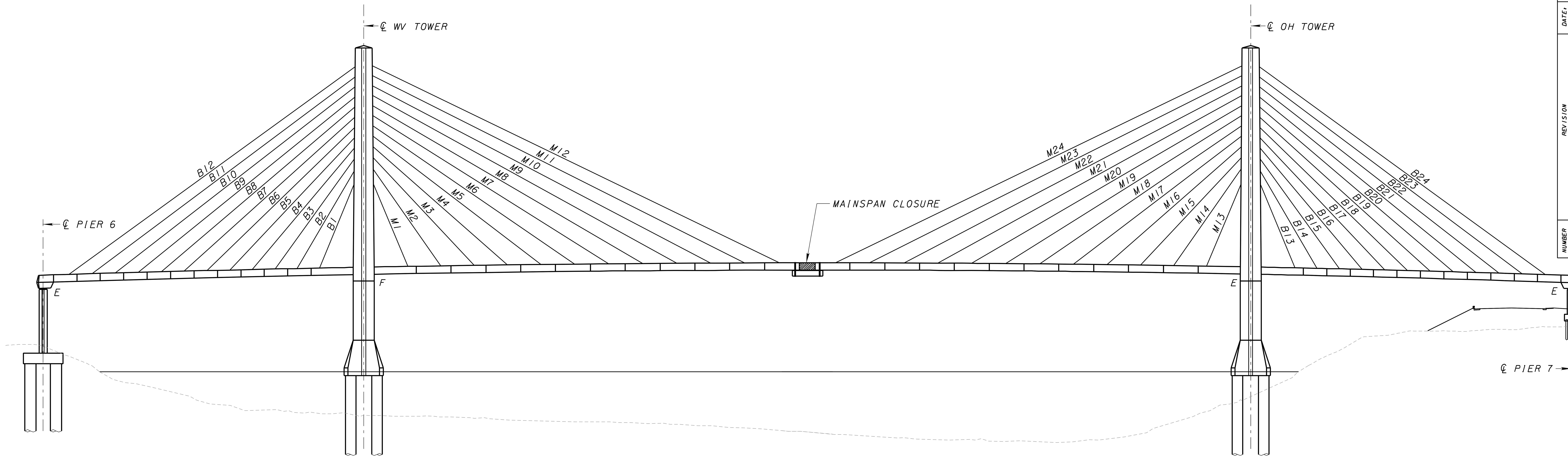


STAGE 10:

INSTALL FORMWORK AT MAINSPAN CLOSURE.

PLACE REINFORCEMENT AND POUR CONCRETE.

AFTER CONCRETE ACHIEVES THE REQUIRED STRENGTH, REMOVE FORMWORK.

CAST SECONDARY BALLAST POURS IN WV AND OH SIDESPANS.

RELEASE TEMPORARY LONGITUDINAL FIXITY AT OH TOWER BEARINGS.

RESTRESS CABLES M12 AND M24 AS REQUIRED.

INSTALL AND STRESS LONGITUDINAL DECK POST-TENSIONING.

INSTALL CONCRETE BARRIERS, PEDESTRIAN HANDRAILS, ROADWAY WEARING SURFACE AND EXPANSION JOINTS.

COMPLETE OTHER MISCELLANEOUS WORK.

ERECTION NOTES

1. THE INFORMATION SHOWN ON THE ERECTION SEQUENCE DRAWINGS CONVEYS THE ASSUMPTIONS MADE BY THE DESIGNER IN DESIGNING THE STRUCTURE. ALL INFORMATION SHOWN IS FOR THE CONTRACTOR'S INFORMATION ONLY, AND THE CONTRACTOR IS RESPONSIBLE FOR SELECTING THE MEANS AND METHODS TO CONSTRUCT THE STRUCTURE. THE CONTRACTOR SHALL SUBMIT, FOR REVIEW AND APPROVAL BY THE ENGINEER, CALCULATIONS OF THE INFLUENCE OF THE SELECTED ERECTION SEQUENCE, LOADS AND DETAILS ON THE STRUCTURE, IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. THESE DOCUMENTS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF OHIO.

△1

2. THE COST OF DESIGNING, FURNISHING, INSTALLING AND REMOVING THE TEMPORARY TOWERS, INCLUDING FOOTING CAPS, FOUNDATIONS FOR SUPPORTING THE OH TEMPORARY TOWER, TENSION TIE-DOWNS AND ANY MISCELLANEOUS HARDWARE, SHALL BE CONSIDERED INCIDENTAL TO THE CLASS S2 CONCRETE CAST-IN-PLACE SUPERSTRUCTURE. THE COST OF THE TEMPORARY DRILLED SHAFTS FOR SUPPORT OF THE WV TEMPORARY TOWER SHALL BE PAID FOR UNDER ITEMS: DRILLED SHAFTS MISC.; TEMPORARY SHAFTS 96" DIAMETER INTO BEDROCK AND DRILLED SHAFTS MISC.; TEMPORARY SHAFTS 102" DIAMETER ABOVE BEDROCK.

3. THE TEMPORARY TOWERS SHALL BE DESIGNED FOR A MAXIMUM SERVICE COMPRESSION FORCE OF 2000 KIPS AND A TENSION FORCE OF 2200 KIPS FOR THE FULL BRIDGE WIDTH. THESE ARE THE LOADS AT THE TOP OF THE TEMPORARY TOWER AND INCLUDE UNBALANCED DEAD LOADS, CONSTRUCTION LIVE LOADS AND VERTICAL WIND LOADS. THE LOADS INDICATED FOR THE TEMPORARY TOWERS ARE FOR INFORMATION ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE LOADS ON THE TEMPORARY TOWERS BASED ON THE CHOSEN METHOD OF CONSTRUCTION.

4. A MINIMUM CONCRETE COMPRESSIVE STRENGTH OF 4500 PSI SHALL BE OBTAINED PRIOR TO FINAL STAY STRESSING.

△1

5. THE TEMPORARY DRILLED SHAFTS USED TO SUPPORT THE WV TEMPORARY TOWER ARE ALSO INTENDED TO BE UTILIZED FOR THE VERTICAL AND LATERAL LOAD TEST PROGRAM AS DESCRIBED IN THE PROJECT SPECIAL PROVISIONS, SEE SHEET NO. 12/243. IF THE CONTRACTOR ELECTS TO UTILIZE THE TEMPORARY DRILLED SHAFTS FOR BOTH THE LOAD TEST PROGRAM AND TO SUPPORT THE WV TEMPORARY TOWER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGNING AND DETAILING THE DRILLED SHAFTS TO RESIST THE CONSTRUCTION STAGE LOADS. IN ADDITION, THE CONTRACTOR IS ALSO RESPONSIBLE FOR VERIFYING THE CAPACITY OF THE TEMPORARY DRILLED SHAFTS TO RESIST THE CONSTRUCTION STAGE LOADS AFTER COMPLETION OF THE LOAD TEST PROGRAM. AT THE CONTRACTORS OPTION, SEPARATE TEMPORARY DRILLED SHAFTS MAY BE UTILIZED FOR THE LOAD TEST PROGRAM AND WV TEMPORARY TOWER SUPPORT. SEE THE NOTES ON SHEET NO. 12/243.

NUMBER	REVISION	DATE	BY
△1	REVISED NOTES	11-02	DLJ

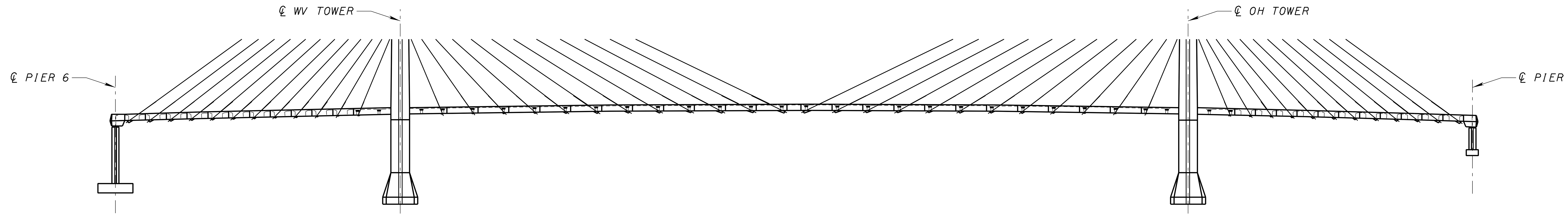
DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

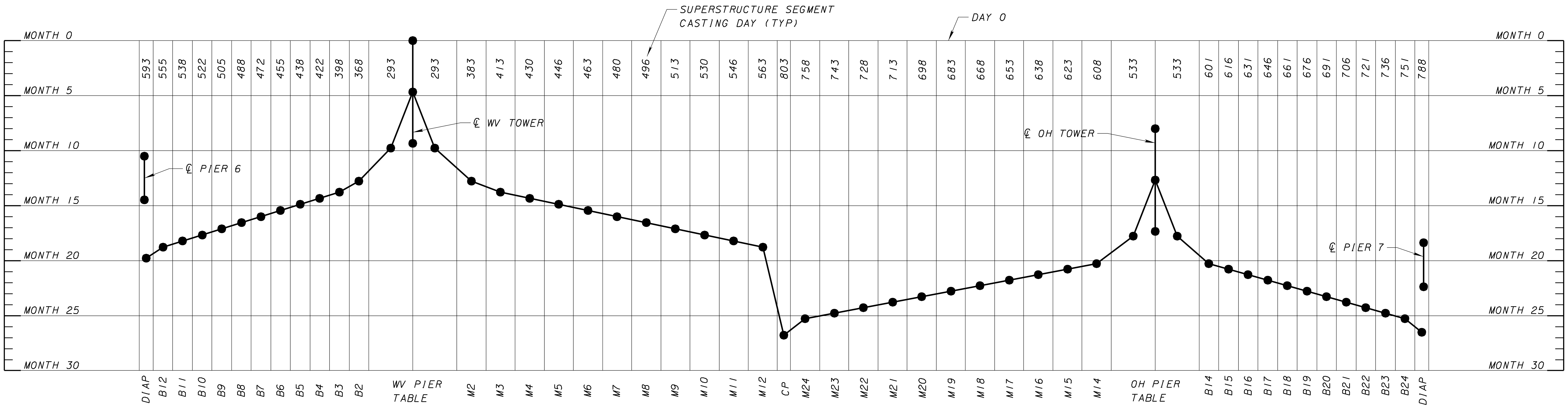
DESIGNED	CHECKED	DRAWN	REVISED	REVIEWED	DATE	STRUCTURE FILE NUMBER
DLJ	RJB	CER		SLS	8-02	5300916 OH 10385 WV

CABLE STAYED ERECTION SEQUENCE (3)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

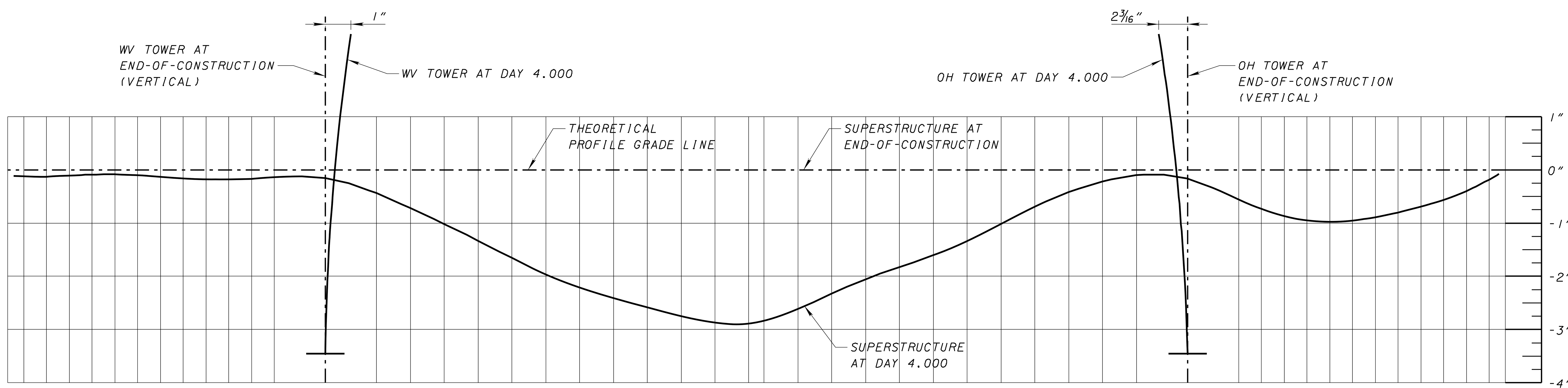
MEG-33-15.70

5/16/2006 7:27:57 AM
7:27:57 AM
e:\bridges\pomeroymason\erecseqc.dgn





CASTING DATES



STRUCTURE DEFLECTION FROM END-OF-CONSTRUCTION TO DAY 4000

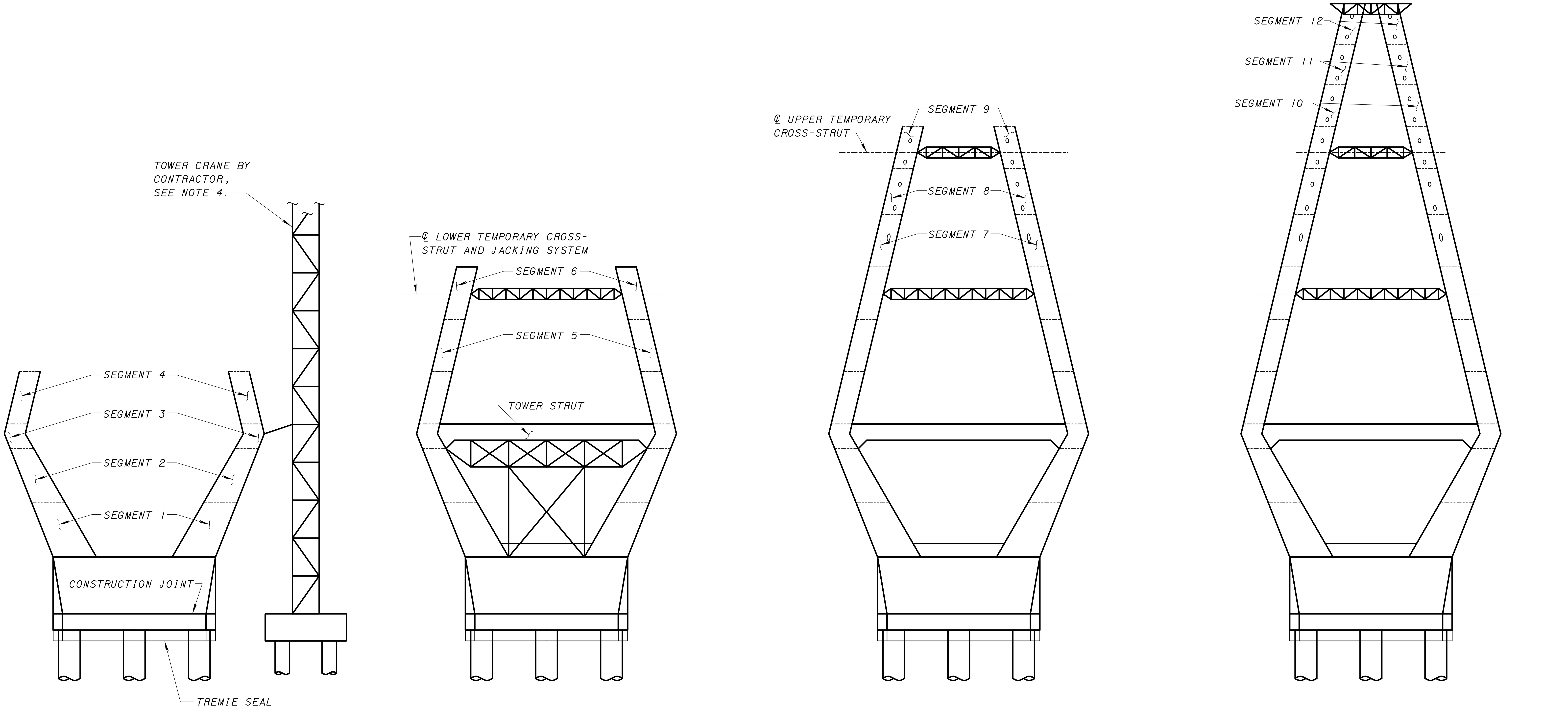
CREEP AND SHRINKAGE DATA						
	TOWER ANCHORHEAD	TOWER UPPER LEGS	TOWER LOWER LEGS	TOWER CROSS-STRUT	TOWER FOOTING	SUPERSTRUCTURE
CREEP COEFFICIENT: ϕ (t,to)	1.115	1.105	0.868	1.995	0.686	2.184
SHRINKAGE STRAIN: ε cs (t,ts)	-0.000184	-0.000240	-0.000066	-0.000302	-0.000026	-0.000258

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

REVIEWED SLS | DATE 8-02 | STRUCTURE FILE NUMBER 5300916 OH 10385 WV
DRAWN CER | REVISED
DESIGNED DLJ | CHECKED RJB

CABLE STAYED ERECTION SEQUENCE (4)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70



STAGE I

1. CONSTRUCT DRILLED SHAFTS.
2. CONSTRUCT COFFERDAMS AND TREMIE SEAL.
3. CONSTRUCT FOOTING CAP UP TO FIRST CONSTRUCTION JOINT.
4. CONSTRUCT REMAINDER OF FOOTING CAP.
5. CONSTRUCT LOWER TOWER LEG SEGMENTS 1 AND 2.
6. CONSTRUCT UPPER TOWER LEG SEGMENTS 3 AND 4.

STAGE II

1. INSTALL FALSEWORK FOR TOWER STRUTS.
2. FORM AND CAST TOWER STRUT.
3. CONSTRUCT UPPER TOWER LEG SEGMENTS 5 & 6 AND POST TENSION TOWER STRUT.
4. INSTALL LOWER TEMPORARY CROSS-STRUT & JACKING SYSTEM AT ELEVATION 659.00.
5. JACK TOWER LEGS APART UNTIL 100 KIPS OF JACKING FORCE IS OBTAINED.
6. CAST CAP ON FOOTING BETWEEN TOWER LEGS.

STAGE III

1. CONSTRUCT UPPER TOWER LEG SEGMENTS 7, 8, AND 9.
2. PROVIDE UPPER TEMPORARY CROSS-STRUT AT ELEVATION 711.90.

STAGE IV

1. CONSTRUCT UPPER TOWER LEG SEGMENTS 10, 11, AND 12.
2. INSTALL TEMPORARY STRUT AND FORMWORK AT THE TOP OF SEGMENT 12.

NOTES

1. CONSTRUCTION SEQUENCE SHOWN IS CONCEPTUAL AND IS PRESENTED FOR INFORMATION ONLY AND IS NOT TO BE CONSIDERED PART OF THE BID DOCUMENTS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEVELOPING DETAILS OF ALL ERECTION STAGES AND ALL CALCULATIONS FOR CAMBER AND STRESS CONTROL NECESSARY FOR THE SAFE ERECTION OF THE BRIDGE.
3. FOR JACKING AND TEMPORARY CROSS-STRUT NOTES, SEE SHEET 203/243.
4. CONTRACTOR IS RESPONSIBLE FOR DESIGN AND PERMITTING OF TOWER CRANE.

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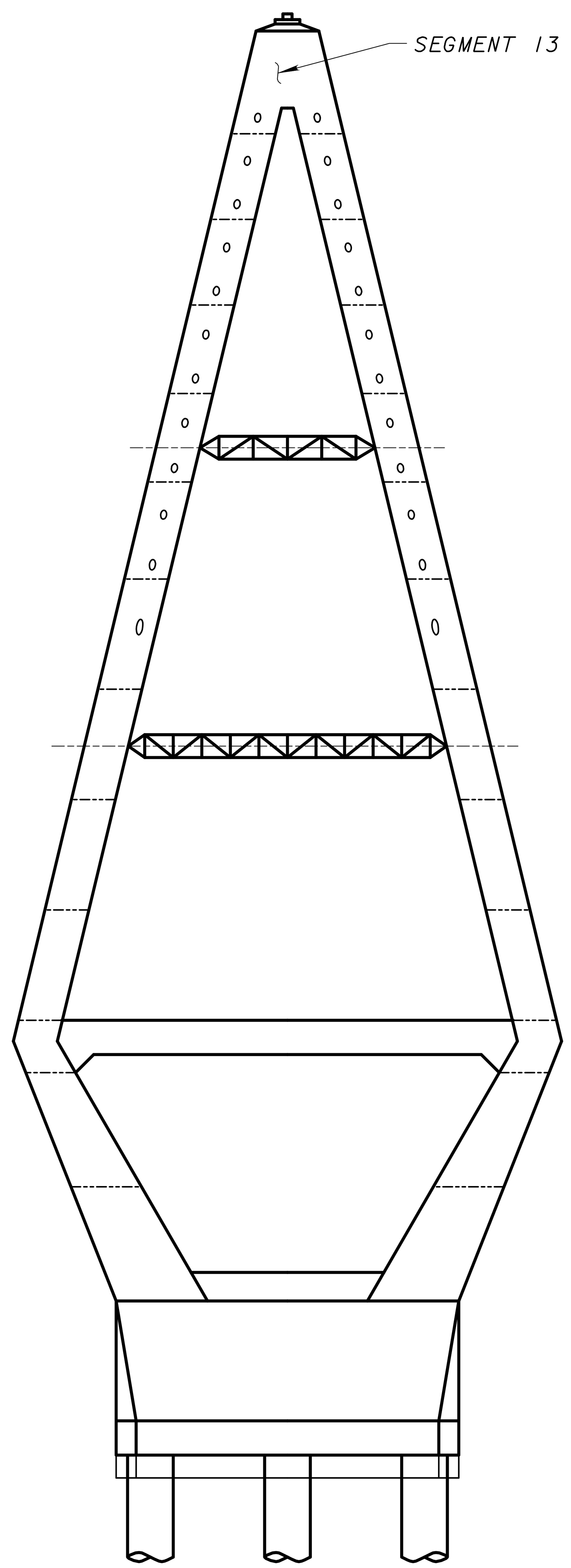
DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
MJZ	CEJ	JRC	5-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
CEJ		5300916 OH 10385 WV	

TOWER CONSTRUCTION SEQUENCE (1)

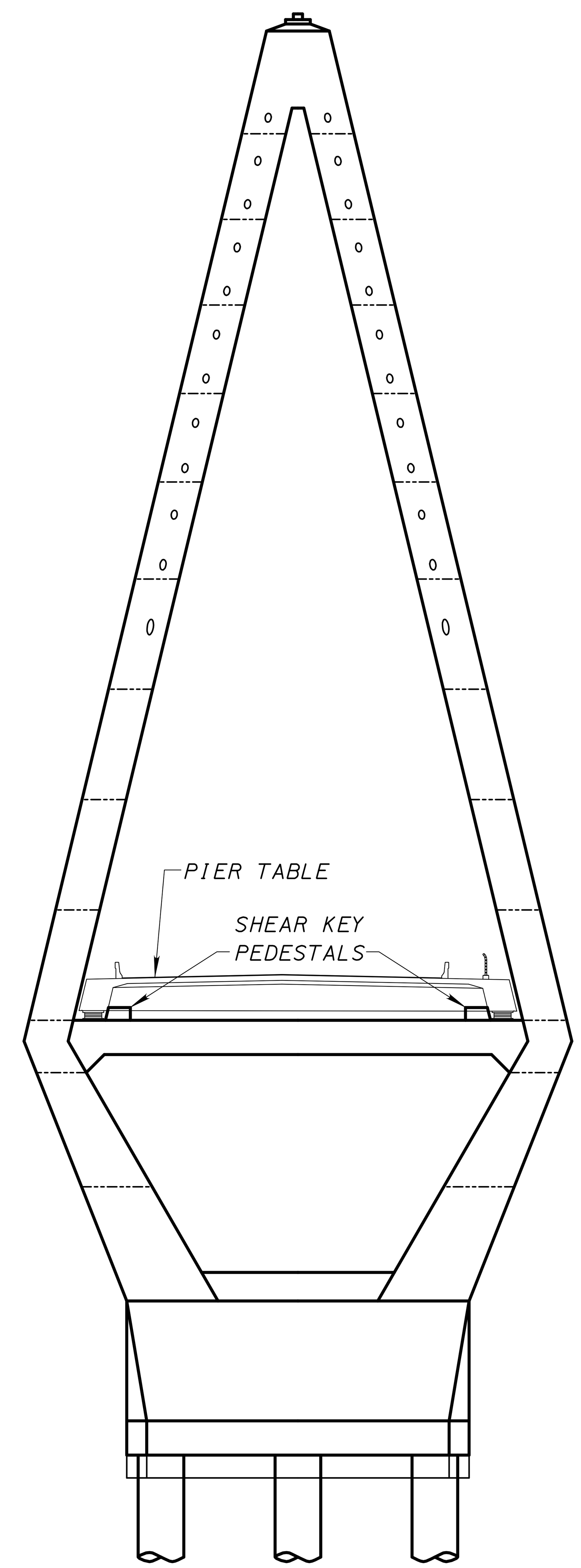
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70



STAGE V

1. FORM AND CAST TOWER HEAD SEGMENT 13.
2. REMOVE FORMWORK AND TEMPORARY STRUT AT TOP OF SEGMENT 12.



STAGE VI

1. REMOVE UPPER TEMPORARY CROSS-STRUT.
2. REMOVE LOWER TEMPORARY CROSS-STRUT.
3. POST TENSION PRESTRESSING BARS IN CABLE ANCHORAGE ZONES.
4. GROUT ALL POST-TENSIONING POCKETS.
5. AFTER CONSTRUCTION OF PIER TABLE, CAST SHEAR KEY PEDESTALS.

JACKING NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, INSTALLATION AND OPERATION OF AN ADEQUATE JACKING SYSTEM INCLUDING ANY TEMPORARY OR PERMANENT SUPPORTS NECESSARY TO PERFORM THE WORK DESCRIBED.
2. JACKS ALONE SHALL NOT BE USED TO SUPPORT THE JACKING FORCE EXCEPT DURING ACTUAL JACKING OPERATION. SUPPORTS APPROVED BY THE ENGINEER SHALL BE INSTALLED IMMEDIATLY UPON COMPLETION OF THE JACKING OPERATION TO SUPPORT THE LOAD.
3. THE CONTRACTOR SHALL ASSURE THAT AFTER COMPLETION OF THE JACKING OPERATION AND THE SUBSEQUENT RELEASE OF HYDRAULIC PRESSURE, THE DESIGN JACKING FORCE OF 100 KIPS REMAINS IN THE CROSS-STRUT.
4. THE CONTRACTOR SHALL SUBMIT 3 SETS OF JACKING PLANS, CALCULATIONS AND PROCEDURES TO THE ENGINEER FOR APPROVAL AT LEAST 30 DAYS BEFORE ACTUAL WORK IS TO BEGIN. THE PLANS, CALCULATIONS AND PROCEDURES SHALL BE PREPARED AND STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF OHIO.
5. PAYMENT SHALL BE INCLUDED IN THE UNIT PRICE FOR ITEM 842: CONCRETE MISC. CLASS S2 CONCRETE, TOWERS INCLUDING FOOTINGS.

TEMPORARY CROSS STRUT NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF THE TEMPORARY CROSS-STRUTS INCLUDING COMPUTATIONS OF DEAD LOAD, WIND LOAD, AND THERMAL LOAD EFFECTS.
2. FOR ESTIMATING PURPOSES THE CONTRACTOR MAY USE THE FOLLOWING DEAD LOAD FORCES ON THE TEMPORARY CROSS-STRUTS:
   LOWER TEMPORARY CROSS STRUT = 440 KIPS
   (INCLUDES 100 KIPS FOR JACKING)
   UPPER TEMPORARY CROSS STRUT = 225 KIPS
3. SWIVEL LOAD CAPS OR SOME OTHER DEVICE SHALL BE USED TO PREVENT BENDING IN THE TEMPORARY CROSS-STRUTS.
4. THE CONTRACTOR SHALL SUBMIT 3 SETS OF PLANS, CALCULATIONS AND PROCEDURES TO THE ENGINEER FOR APPROVAL AT LEAST 30 DAYS BEFORE ACTUAL WORK IS TO BEGIN. THE PLANS, CALCULATIONS, AND PROCEDURES SHALL BE PREPARED AND STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF OHIO.
5. PAYMENT SHALL BE INCLUDED IN THE UNIT PRICE FOR ITEM 842: CONCRETE MISC. CLASS S2 CONCRETE, TOWERS INCLUDING FOOTINGS.

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
MJZ	CEJ	JRC	5-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
CEJ		530096 OH 10385 WV	

TOWER CONSTRUCTION SEQUENCE (2)

BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

PIER 6

PX	SZ	ID	NO. BARS	LENGTH (FT IN)	TYPE	B (FT IN)	C (FT IN)	D (FT IN)	E (FT IN)	F (FT IN)	G (FT IN)	H (FT IN)	J (FT IN)	N	PHI Φ
PW	6	001	2	SERIES	1	SERIES									
			SETS	18- 3		18- 3									
			OF	TO		TO									
			20	35- 2		35- 2									
PW	6	002	4	SERIES	1	SERIES									
			SETS	19- 9		19- 9									
			OF	TO		TO									
			28	31- 9		31- 9									
PW	6	003	2	35- 0	1	35- 0									
PW	6	004	4	27-11	1	27-11									
PW	6	005	28	30- 3	10	29- 5	1- 0								
PW	6	006	4	SERIES	1	SERIES									
			SETS	5- 4		5- 4									
			OF	TO		TO									
			9	23- 1		23- 1									
PW	6	006	4	SERIES	1	SERIES									
			SETS	5- 4		5- 4									
			OF	TO		TO									
			9	23- 4		23- 4									
PW	6	007	64	22-11	1	22-11									
PW	6	008	4	SERIES	1	SERIES									
			SETS	5- 2		5- 2									
			OF	TO		TO									
			9	23- 1		23- 1									
PW	6	009	108	10- 7	1	10- 7									
PW	11	010	120	21- 1	17	19- 6									
PW	11	011	64	34- 7	1	34- 7									
PW	11	012	28	38- 2	1	38- 2									
PW	11	013	28	28- 2	1	28- 2									
PW	11	014	8	SERIES	1	SERIES									
			SETS	35- 4		35- 4									
			OF	TO		TO									
			8	37- 2		37- 2									
PW	5	016	80	12- 0	11	2- 3	8- 6	1- 6							
PW	5	017	40	23- 3	11	6- 6	8- 6	8- 6							
PW	5	018	160	9-10	10	8- 6	1- 6								
PW	5	019	320	8-11	17	8- 4									
PW	5	020	80	10- 5	11	2- 3	6-11	1- 6							
PW	5	021	40	20- 1	11	6- 6	6-11	6-11							
PW	5	022	160	8- 3	10	6-11	1- 6								
PW	5	023	56	8-10	11	2- 3	5- 4	1- 6							
PW	5	024	28	16-11	11	6- 6	5- 4	5- 4							
PW	5	025	112	6- 8	10	5- 4	1- 6								
PW	11	026	44	21- 1	17	19- 6									
PW	11	027	24	33- 6	1	33- 6									
PW	11	028	10	36- 5	1	36- 5									
PW	11	029	10	27-11	1	27-11									
PW	11	030	24	34-10	1	34-10									
PW	5	031	756	8- 3	11	6- 6	1- 0	1- 0							
PW	11	032	44	21- 5	17	19-10									
PW	11	033	24	34- 7	1	34- 7									
PW	11	034	10	38- 4	1	38- 4									
PW	11	035	10	28- 5	1	28- 5									
PW	11	036	24	36- 8	1	36- 8									
PW	5	037	12	9- 9	11	6- 4	1-10	1-10							
PW	5	038	120	12- 3	11	4- 6	4- 0	4- 0							
PW	5	039	66	19- 3	11	2- 0	8- 9	8- 9							
PW	5	040	20	8- 0	1	8- 0									
PW	9	041	32	41- 4	17	40- 1									
PW	5	042	32	33- 9	1	33- 9									
PW	5	043	14	4- 9	11	2- 0	1- 6	1- 6							
PW	5	044	12	5- 2	11	1- 3	2- 1	2- 1							
PW	5	045	5	6- 0	11	1- 3	2- 6	2- 6							
PW	4	046	2	6- 7	4	1- 4	1- 6								
PW	5	047	320	7- 4	17	6- 9									
PW	5	048	224	5- 9	17	5- 2									
FW	11	001	372	32- 8	18	29- 6									
FW	11	002	165	56- 8	18	53- 6									
FW	5	003	358	12- 3	11	7- 0	2- 9	2- 9							
FW	5	004	10	58- 9	11	53- 6	2- 9	2- 9							
FW	5	005	10	34- 9	11	29- 6	2- 9	2- 9							

TOTAL WEIGHT = 246039 LBS.

PIER 7

PX	SZ	ID	NO. BARS	LENGTH (FT IN)	TYPE	B (FT IN)	C (FT IN)	D (FT IN)	E (FT IN)	F (FT IN)	G (FT IN)	H (FT IN)	J (FT IN)	N	PHI Φ
PH	10	001	70	26- 7	18	23- 9									
PH	10	002	82	25- 6	18	22- 8									
PH	10	003	74	24- 7	18	21- 9									
PH	10	004	10	16-11	17	15- 6									
PH	10	005	10	19-11	17	18- 6									
PH	11	006	46	27- 7	17	26- 0									
PH	11	007	46	24- 1	17	22- 6									
PH	9	008	18	46- 7	14	2- 3	44- 7								71°
PH	9	009	18	46- 7	14	2- 3	44- 7								76°
PH	5	010	136	15- 9	11	5- 6	5- 3	5- 3							
PH	5	011	4	7- 0	1	7- 0									
PH	6	012	107	17- 8	11	1-10	8- 1	8- 1							
PH	5	013	28	37- 4	1	37- 4									
PH	5	014	20	17- 7	11	6- 6	5- 8	5- 8							
PH	5	015	40	8- 8	11	2- 3	5- 8	1- 0							
PH	5	016	152	8- 3	11	6- 6	1- 0	1- 0							
PH	5	017	18	15- 9	11	6- 6	4- 9	4- 9							
PH	5	018	36	7- 9	11	2- 3	4- 9	1- 0							
PH	6	019	54	33- 0	1	33- 0									
PH	5	020	6	7-11	11	1-10	3- 2	3- 2							
PH	5	021	6	8- 0	15	1-10	3- 2	3- 2						100°	100°
PH	5	022	12	9- 9	11	6- 4	1-10	1-10							
PH	5	023	12	5- 2	11	1- 3	2- 1	2- 1							
PH	5	024	5	6- 0	11	1- 3	2- 6	2- 6							
PH	4	025	2	6- 7	4	1- 4	1- 6								
PH	5	026	120	6- 4	17	5- 9									
PH	5	027	108	5- 4	17	4- 9									
FH	11	001	120	46- 6	17	44-11									
FH	8	002	12	41- 0	1	41- 0									
FH	8	003	76	31- 6	18	29- 8									
FH	8	004	6	29- 8	1	29- 8									
FH	11	005	114	45- 8	17	44- 1									
FH	11	006	144	32-10	18	29- 8									
FH	8	007	212	6-10	11	4- 7	1- 4	1- 4							

TOTAL WEIGHT = 152434 LBS.

PIER 6 DRILLED SHAFTS

PX	SZ	ID	NO. BARS	LENGTH (FT IN)	TYPE	B (FT IN)	C (FT IN)	D (FT IN)	E (FT IN)	F (FT IN)	G (FT IN)	H (FT IN)	J (FT IN)	N	PHI Φ
DS	18	001	78	35- 0	1	35- 0									
DS	18	002	78	40- 0	1	40- 0									
DS	18	003	78	45- 3	10	42- 6	3- 5								
DS	18	004	78	40- 3	10	37- 6	3- 5								
SP	6	001	6	71- 0	39	71- 0		7- 6						1.5	12°

TOTAL WEIGHT = 183524 LBS.

PIER 7 DRILLED SHAFTS

PX	SZ	ID	NO. BARS	LENGTH (FT IN)	TYPE	B (FT IN)	C (FT IN)	D (FT IN)	E (FT IN)	F (FT IN)	G (FT IN)	H (FT IN)	J (FT IN)	N	PHI Φ
DS	10	001	546	50- 0	10	48- 6	1-10								
DS	10	002	104	36- 0	1	36- 0									
DS	10	003	104	35- 0	1	35- 0									
DS	10	004	104	34- 0	1	34- 0									
DS	10	005	78	33- 0	1	33- 0									
DS	10	006	78	32- 0	1	32- 0									
DS	10	007	78	31- 0	1	31- 0									
DS	6	008	1102	25- 7	24	2- 0	3- 9								

TOTAL WEIGHT = 239027 LBS.

NOTE: FOR STANDARD BAR BENDING DETAILS, SEE SHEET NO'S. 14 & 15 /243.

NUMBER	REVISION	DATE:	BY:
2	REVISED REINFORCING	2/03	MJZ
3	REVISED REINFORCING	5/04	MJZ
4	REVISED REINFORCING	6/04	MJZ
5	REVISED REINFORCING	12/04	MJZ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED BER | DRAWN BER | REVIEWED JRC | DATE 5-02
CHECKED MJZ | REVISED | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

REINFORCING BAR LIST FOR PIERS 6 AND 7
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

DRILLED SHAFTS

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
DS	18	001	84	60- 0	1	60- 0									
DS	18	002	168	55- 0	1	55- 0									
DS	18	003	84	56-11	10	54- 2	3- 5								
DS	18	004	84	6-11	10	4- 2	3- 5								
SP	6	101	6	35- 8	39	35- 8		7- 4						1½	12
SP	6	102	6	25- 0	39	25- 0		7- 4						1½	2½
SP	6	103	6	40- 0	39	40- 0		7- 4						1½	12
SP	6	104	6	5- 9	39	5- 9		7- 4						1½	3

TOTAL WEIGHT = 314615 LBS.

FOOTING CAP

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
TW	11	001	158	32- 8	18	29- 6									
TW	11	002	4	SERIES	18	SERIES									
			SETS	26-10		23- 8									
			OF	TO		TO									
			5	32- 4		29- 2									
TW	11	003	84	25- 7	17	24- 0									
TW	11	004	84	45- 7	17	44- 0									
TW	11	005	196	14- 10	35	2- 0	5- 3	7- 7	2- 6						
TW	11	006	64	14- 11	10	2- 0	13- 3								
TW	11	007	86	33- 0	12	21-11	11- 2								72°
TW	11	008	102	21-11	1	21-11									
TW	11	009	64	20-10	1	20-10									
TW	11	010	4	12- 0	1	12- 0									
TW	11	011	4	9- 0	1	9- 0									
TW	5	012	16	27- 5	1	27- 5									
TW	5	013	16	28- 1	1	28- 1									
TW	5	014	176	16- 7	17	16- 0									
TW	5	015	8	22-11	1	22-11									
TW	5	016	8	23- 8	1	23- 8									
TW	5	017	16	9- 2	13	4- 3	2- 6	2- 6						45°	45°
TW	5	018	16	5- 6	1	5- 6									
TW	5	019	4	SERIES	1	SERIES									
			SETS	2- 9		2- 9									
			OF	TO		TO									
			10	5- 0		5- 0									
TW	5	020	4	SERIES	13	SERIES	2- 6	2- 6						45°	45°
			SETS	5- 3		0- 4									
			OF	TO		TO									
			17	9- 2		4- 3									
TW	5	021	16	4-10	10	2- 6	2- 6								
TW	5	022	4	SERIES	1	SERIES									
			SETS	27- 6		27- 6									
			OF	TO		TO									
			20	31- 0		31- 0									
TW	5	023	4	SERIES	1	SERIES									
			SETS	28- 0		28- 0									
			OF	TO		TO									
			20	31- 0		31- 0									
TW	5	024	2	SERIES	1	SERIES									
			SETS	16- 0		16- 0									
			OF	TO		TO									
			20	23- 5		23- 5									
TW	5	025	2	SERIES	1	SERIES									
			SETS	16- 0		16- 0									
			OF	TO		TO									
			20	24-10		24-10									
TW	5	026	13	36- 0	1	36- 0									
TW	5	027	2	16- 6	12	8- 3	8- 3								42°
TW	11	028	23	24- 0	1	24- 0									
TW	11	029	23	44- 0	1	44- 0									
TW	5	030	19	21- 6	31	3- 0	7- 9	7- 9	3- 0	2- 6		2- 6			
TW	5	031	440	31- 7	17	31- 0									
TW	5	032	44	SERIES	17	SERIES									
			SETS	9-10		9- 3									
			OF	TO		TO									
			20	16- 7		16- 0									

TOTAL WEIGHT = 165161 LBS.

NOTE: FOR STANDARD BAR BENDING DETAILS, SEE SHEET NO'S. 14 & 15 /243.

NUMBER	REVISION	DATE	BY
2	REVISED REINFORCING	2/03	MJZ
3	REVISED REINFORCING	3/04	MJZ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

REVIEWED JRC DATE 5-02
STRUCTURE FILE NUMBER 5300916 OH 10385 WV
DESIGNED MJZ DRAWN GJW
CHECKED CEJ REVISED

REINFORCING BAR LIST FOR WEST VIRGINIA TOWER (1)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

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LOWER LEGS

PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
TW	10	102	112	35- 10	17	34- 5									
TW	10	104	96	42- 10	17	41- 5									
TW	10	105	8	SERIES	1	SERIES									
			SETS	21- 6		21- 6									
			OF	TO		TO									
			15	23- 1		23- 1									
TW	10	106	8	SERIES	1	SERIES									
			SETS	10- 11		10- 11									
			OF	TO		TO									
			5	12- 6		12- 6									
TW	10	107	40	25- 3	1	25- 3									
TW	10	108	8	SERIES	1	SERIES									
			SETS	20- 6		20- 6									
			OF	TO		TO									
			15	22- 0		22- 0									
TW	10	109	52	21- 6	1	21- 6									
TW	10	110	28	22- 7	1	22- 7									
TW	10	111	28	29- 6	1	29- 6									
TW	10	112	52	19- 4	1	19- 4									
TW	10	113	52	23- 1	1	23- 1									
TW	10	114	28	22- 8	1	22- 8									
TW	10	115	28	30- 6	1	30- 6									
TW	10	116	52	20- 10	1	20- 10									
TW	6	117	4	SERIES	4	0- 11	SERIES								
			SETS	26- 8			11- 10								
			OF	TO			TO								
			27	34- 0			15- 6								
TW	6	118	4	SERIES	4	0- 11	SERIES								
			SETS	19- 4			8- 2								
			OF	TO			TO								
			40	26- 6			11- 9								
TW	5	119	1340	9- 7	17	9- 0									
TW	5	120	648	9- 7	17	9- 0									
TW	5	121	960	7- 9	17	7- 2									
TW	5	122	268	7- 2	46	6- 0									
TW	6	123	134	34- 2	4	1- 0	15- 6								
TW	6	124	134	33- 6	4	0- 8	15- 6								
TW	10	130	42	15- 7	12	10- 10	4- 10								35°
TW	10	131	42	19- 6	12	18- 0	1- 7								35°
TW	10	132	8	15- 8	12	10- 10	4- 11								37°
TW	10	133	8	19- 7	12	18- 0	1- 8								37°
TW	10	134	8	15- 9	12	10- 10	5- 0								39°
TW	10	135	8	19- 7	12	18- 0	1- 8								39°
TW	10	136	8	15- 10	12	10- 10	5- 1								41°
TW	10	137	8	19- 7	12	18- 0	1- 8								41°
TW	10	138	8	15- 11	12	10- 10	5- 2								43°
TW	10	139	8	19- 8	12	18- 0	1- 9								43°
TW	10	140	32	15- 11	12	10- 10	5- 2								44°
TW	10	141	32	19- 8	12	18- 0	1- 9								44°
TW	10	142	6	16- 0	12	10- 11	5- 2								44°
TW	10	143	6	12- 7	12	10- 11	1- 9								44°
TW	6	150	12	34- 0	4	1- 1	15- 5								
TW	6	151	24	17- 4	4	0- 11	7- 2								
TW	6	152	4	33- 6	4	0- 9	15- 5								
TW	5	153	8	7- 1	46	5- 11									
TW	5	154	360	5- 11	17	5- 4									
TW	5	155	256	9- 7	46	9- 0									
TW	5	156	64	2- 0	46	0- 10									
TW	6	157	20	34- 4	4	1- 1	15- 6								

LOWER LEGS (CONT.)

PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
TW	6	158	4	SERIES	4	0- 11	SERIES								
			SETS	18- 8			7- 10								
			OF	TO			TO								
			6	19- 6			8- 3								
TW	6	159	12	33- 8	4	0- 9	15- 6								
TW	5	160	24	7- 2	46	6- 0									
TW	4	161	32	2- 4	10	1- 7	0- 10								
TW	6	162	4	SERIES	4	0- 11	SERIES								
			OF	TO			TO								
			4	18- 4			7- 8								
TW	6	163	8	17- 3	11	15- 5	1- 1	1- 1							
TW	6	164	8	17- 4	11	15- 6	1- 1	1- 1							
TW	6	165	16	10- 8	11	8- 10	1- 1	1- 1							
TW	4	166	32	4- 5	10	3- 8	0- 10								
TW	4	167	32	2- 0	1	2- 0									
TW	4	168	32	2- 6	1	2- 6									
TW	4	169	16	5- 1	12	2- 9	2- 4								35°
TW	6	170	32	4- 0	1	4- 0									
TW	6	171	32	3- 0	1	3- 0									
TW	6	172	32	3- 2	11	1- 6	1- 0	1- 0							
TW	9	173	100	15- 11	11	13- 4	1- 7	1- 7							

TOTAL WEIGHT = 214031 LBS.

TOWER STRUT

PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
TW	5	201	32	31- 6	1	31- 6									
TW	5	202	32	26- 6	1	26- 6									
TW	5	203	27	30- 0	1	30- 0									
TW	5	204	27	40- 0	1	40- 0									
TW	6	205	192	29- 4	4	13- 6	0- 7								
TW	6	206	184	14- 10	4	5- 6	1- 4								
TW	10	209	32	16- 10	35	7- 0	3- 0	1- 8	7- 0						
TW	6	210	44	30- 2	4	13- 6	1- 0								
TW	6	211	52	16- 0	4	5- 6	1- 11								
TW	9	212	100	23- 5	1	23- 5									
TW	5	213	22	22- 3	11	13- 6	4- 6	4- 6							
TW	5	214	30	11- 0	12	7- 0	4- 0								45°
TW	5	215	4	6- 0	1	6- 0									
TW	10	216	52	17- 2	11	3- 10	7- 0	7- 0							

TOTAL WEIGHT = 34710 LBS.

NOTE: FOR STANDARD BAR BENDING DETAILS, SEE SHEET NO'S. 14 & 15 /243.

NUMBER	REVISION	DATE:	BY:
2	REVISED REINFORCING	2/03	MJZ

DESIGNED MJZ | DRAWN GJW | REVIEWED JRC | DATE 5-02
CHECKED CEJ | REVISED | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

REINFORCING BAR LIST FOR WEST VIRGINIA TOWER (2)

BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

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UPPER LEGS

MARK PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B FT-IN	C FT-IN	D FT-IN	E FT-IN	F FT-IN	G FT-IN	H FT-IN	J FT-IN	N	PHI Φ
TW	10	301	660	26-10	1	26-10									
TW	10	302	6	12- 3	1	12- 3									
TW	10	303	6	19- 6	1	19- 6									
TW	6	304	156	18- 2	4	7- 2	1- 4								
TW	6	305	2	SERIES	4	SERIES	9								
			SETS	32-10		15- 1									
			OF	TO		TO									
			39	33- 6		15- 5									
TW	5	306	624	2- 6	46	1- 4									
TW	5	307	4	SERIES	46	SERIES									
			SETS	6-11		5- 9									
			OF	TO		TO									
			39	7- 1		5-11									
TW	6	308	28	33- 8	4	15- 4	1- 1								
TW	10	309	12	21- 0	1	21- 0									
TW	5	310	652	2- 3	46	1- 1									
TW	5	311	100	1-11	46	9									
TW	6	312	56	15- 0	4	5-10	1- 1								
TW	6	313	22	32-10	4	15- 1	9								
TW	5	314	44	6-11	46	5- 9									
TW	6	315	312	18- 6	4	7- 4	1- 5								
TW	5	316	1248	2- 7	46	1- 5									
TW	6	317	4	SERIES	4	SERIES	10								
			SETS	32- 6		14-11									
			OF	TO		TO									
			39	33- 2		15- 3									
TW	5	318	8	SERIES	46	SERIES									
			SETS	6-11		5- 9									
			OF	TO		TO									
			39	7- 1		5-11									
TW	5	319	1248	2- 4	46	1- 2									
TW	5	320	312	2- 0	46	10									
TW	6	321	4	SERIES	4	SERIES	10								
			SETS	31-10		14- 7									
			OF	TO		TO									
			39	32- 6		14-11									
TW	5	322	8	SERIES	46	SERIES									
			SETS	6- 9		5- 7									
			OF	TO		TO									
			39	6-11		5- 9									
TW	5	330	16	6- 0	1	6- 0									
TW	8	331	8	13- 0	1	13- 0									
TW	5	332	8	9- 5	11	4- 8	2- 6	2- 6							
TW	5	333	8	4- 8	1	4- 8									
TW	5	334	24	5- 8	15	0-10	2- 6	2- 6						76°	76°
TW	5	335	28	4- 5	12	2- 5	2- 0								76°
TW	5	336	12	15- 1	11	0- 8	7- 4	7- 4							
TW	5	337	4	13- 1	11	0- 8	6- 4	6- 4							
TW	5	338	4	SERIES	4	SERIES	8								
			SETS	5- 0		1- 2									
			OF	TO		TO									
			13	10- 0		3- 8									
TW	5	339	16	7- 4	18	6 - 0									
TW	5	340	6	15- 7	18	14 - 3									

TOTAL WEIGHT = 131919 LBS.

TOWER HEAD

MARK PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B FT-IN	C FT-IN	D FT-IN	E FT-IN	F FT-IN	G FT-IN	H FT-IN	J FT-IN	N	PHI Φ
TW	10	401	184	26-10	1	26-10									
TW	10	402	192	24- 4	1	24- 4									
TW	10	403	384	22-10	1	22-10									
TW	10	404	192	21- 4	1	21- 4									
TW	10	405	66	27- 4	1	27- 4									
TW	10	406	66	34- 6	1	34- 6									
TW	10	407	26	22- 0	1	22- 0									
TW	10	408	26	29- 0	1	29- 0									
TW	10	409	8	12- 4	12	9-11	2- 6								45°
TW	10	410	8	14- 7	12	12- 2	2- 6								45°
TW	10	411	4	24- 6	12	22- 1	2- 6								45°
TW	10	412	4	31- 9	12	29- 4	2- 6								45°
TW	10	413	16	11-10	13	7- 0	2- 6	2- 6						45°	45°
TW	10	414	8	11-10	13	7- 0	2- 6	2- 6						45°	45°
TW	10	415	16	11- 4	13	6- 6	2- 6	2- 6						45°	45°
TW	10	416	32	11- 1	13	6- 3	2- 6	2- 6						45°	45°
TW	10	417	32	11- 3	13	6- 5	2- 6	2- 6						45°	45°
TW	10	418	32	11- 0	13	6- 2	2- 6	2- 6						45°	45°
TW	10	419	16	10-11	13	6- 1	2- 6	2- 6						45°	45°
TW	10	420	16	10- 7	13	5- 9	2- 6	2- 6						45°	45°
TW	10	421	16	17- 2	12	14- 9	2- 6								45°
TW	10	422	8	26- 1	12	19- 2	7- 0								14°
TW	5	423	16	13- 1	12	7- 4	5- 9								14°
TW	5	424	16	8- 9	12	5- 9	3- 0								66°
TW	5	425	16	8- 6	12	6- 0	2- 6								22°
TW	5	426	16	5- 6	12	2- 6	3- 0								59°
TW	5	427	16	8- 6	12	5- 0	3- 6								30°
TW	5	428	16	6- 6	12	3- 6	3- 0								53°
TW	5	429	16	7- 6	12	4- 0	3- 6								36°
TW	5	430	16	7- 0	12	3- 6	3- 6								49°
TW	5	431	16	7- 4	12	3-10	3- 6								40°
TW	5	432	16	7- 0	12	3- 6	3- 6								46°
TW	5	433	16	7- 0	12	3- 6	3- 6								43°
TW	5	434	16	7- 0	12	3- 6	3- 6								44°
TW	5	435	16	7- 0	12	3- 6	3- 6								45°
TW	5	436	16	7- 0	12	3- 6	3- 6								42°
TW	5	437	16	7- 0	12	3- 6	3- 6								48°
TW	5	438	16	7- 0	12	3- 6	3- 6								40°
TW	5	439	16	6- 6	12	3- 0	3- 6								49°
TW	5	440	16	7- 0	12	3- 6	3- 6								39°
TW	5	441	16	6- 6	12	3- 0	3- 6								51°
TW	5	442	16	7- 0	12	3- 6	3- 6								38°
TW	5	443	16	6- 6	12	3- 0	3- 6								52°
TW	5	444	16	7- 6	12	3- 6	4- 0								37°
TW	5	445	16	6- 6	12	3- 0	3- 6								37°
TW	5	446	16	7- 6	12	3- 6	4- 0								36°
TW	5	447	16	8- 4	12	3- 6	4-10								54°
TW	5	448	16	7- 6	10	4-10	2-10								
TW	10	449	8	31- 3	10	28- 9	2-10								
TW	8	450	1536	9-11	11	7- 4	1- 6	1- 6							
TW	5	451	2340	2- 7	46	1- 5									
TW	5	452	96	5- 2	11	1- 5	2- 0	2- 0							
TW	5	453	96	7- 2	11	1- 5	3- 0	3- 0							
TW	8	454	8	SERIES	11	SERIES	1- 6	1- 6							
			SETS	17- 1		14- 6									
			OF	TO		TO									
			7	17- 2		14- 7									
TW	5	455	56	6- 9	46	5- 7									
TW	5	456	2608	2- 4	46	1- 2									
TW	5	457	652	2- 0	46	-10									
TW	8	458	8	SERIES	11	SERIES	1- 6	1- 6							
			SETS	16-10		14- 3									
			OF	TO		TO									
			24	17- 1		14- 6									
TW	5	459	8	SERIES	46	SERIES									
			SETS	6- 7		5- 5									
			OF	TO		TO									
			24	6- 9		5- 7									

NOTE: FOR STANDARD BAR BENDING DETAILS, SEE SHEET NO'S. 14 & 15 /243.

NUMBER	REVISION	DATE	BY
2	REVISED REINFORCING	2/03	MJZ

DESIGN AGENCY: BRW HAZELET & ERDAL, A URS COMPANY, (513) 651-3440, 36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

REVIEWED: JRC DATE: 5-02
STRUCTURE FILE NUMBER: 5300916 OH, 10385 WV
DRAWN: GJW REVISED:
DESIGNED: MJZ CHECKED: CEJ

REINFORCING BAR LIST FOR WEST VIRGINIA TOWER (3)

BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

TOWER HEAD (CONT.)

MARK PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B FT-IN	C FT-IN	D FT-IN	E FT-IN	F FT-IN	G FT-IN	H FT-IN	J FT-IN	N	PHI Φ
TW	8	460	8	SERIES	11	SERIES	1- 6	1- 6							
			SETS	16- 7		14- 0									
			OF	TO		TO									
			30	16-10		14- 3									
TW	5	461	8	SERIES	46	SERIES									
			SETS	6- 6		5- 4									
			OF	TO		TO									
			30	6- 7		5- 5									
TW	5	462	240	6- 2	11	1- 5	2- 6	2- 6							
TW	8	463	8	SERIES	11	SERIES	1- 6	1- 6							
			SETS	16- 4		13- 9									
			OF	TO		TO									
			27	16- 7		14- 0									
TW	5	464	8	SERIES	46	SERIES									
			SETS	6- 4		5- 2									
			OF	TO		TO									
			27	6- 6		5- 4									
TW	8	465	8	SERIES	11	SERIES	1- 6	1- 6							
			SETS	16- 1		13- 6									
			OF	TO		TO									
			24	16- 4		13- 9									
TW	5	466	8	SERIES	46	SERIES									
			SETS	6- 3		5- 1									
			OF	TO		TO									
			24	6- 4		5- 2									
TW	8	467	8	SERIES	11	SERIES	1- 6	1- 6							
			SETS	15-10		13- 3									
			OF	TO		TO									
			20	16- 1		13- 6									
TW	5	468	8	SERIES	46	SERIES									
			SETS	6- 1		4-11									
			OF	TO		TO									
			20	6- 3		5- 1									
TW	8	469	8	SERIES	11	SERIES	1- 6	1- 6							
			SETS	15- 7		13- 0									
			OF	TO		TO									
			19	15-10		13- 3									
TW	5	470	8	SERIES	46	SERIES									
			SETS	6- 0		4-10									
			OF	TO		TO									
			19	6- 1		4-11									
TW	8	471	2	SERIES	11	SERIES	1- 6	1- 6							
			SETS	15- 1		12- 6									
			OF	TO		TO									
			7	18- 0		15- 5									
TW	8	472	2	SERIES	4	SERIES	1- 5								
			SETS	29- 6		12- 6									
			OF	TO		TO									
			7	35- 4		15- 5									
TW	8	473	52	15- 5	11	12-10	1- 6	1- 6							
TW	5	474	52	5-11	46	4- 9									
TW	5	475	2	SERIES	4	SERIES	0-10								
			SETS	28- 0		12- 8									
			OF	TO		TO									
			11	28- 4		12-10									
TW	5	476	4	SERIES	46	SERIES									
			SETS	5-10		4- 8									
			OF	TO		TO									
			11	5-11		4- 9									
TW	8	477	12	15- 3	11	12- 8	1- 6	1- 6							
TW	5	478	1	SERIES	4	SERIES	12- 9								
			SETS	28- 2		0-10									
			OF	TO		TO									
			6	33- 0		3- 3									
TW	5	479	5	SERIES	46	SERIES									
			SETS	4- 8		3- 6									
			OF	TO		TO									
			3	5- 8		4- 6									

TOWER HEAD (CONT.)

MARK PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B FT-IN	C FT-IN	D FT-IN	E FT-IN	F FT-IN	G FT-IN	H FT-IN	J FT-IN	N	PHI Φ
TW	5	480	5	SERIES	46	SERIES									
			SETS	1-10		- 8									
			OF	TO		TO									
			6	4- 3		3- 1									
TW	8	481	1	12- 6	1	12- 6									
TW	8	482	4	19- 5	11	16-10	1- 6	1- 6							
TW	8	483	6	18-11	11	16- 4	1- 6	1- 6							
TW	8	484	6	18- 5	11	15-10	1- 6	1- 6							
TW	8	485	2	SERIES	4	SERIES	1- 5								
			SETS	25- 8		10- 7									
			OF	TO		TO									
			4	28- 6		12- 0									

TOTAL WEIGHT = 183218 LBS.

TOWER TOP

MARK PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B FT-IN	C FT-IN	D FT-IN	E FT-IN	F FT-IN	G FT-IN	H FT-IN	J FT-IN	N	PHI Φ
TW	5	501	12	5- 1	10	2- 9	2- 6								
TW	5	502	12	5- 3	12	2- 9	2- 6								55°
TW	5	503	18	4- 6	12	2- 6	2- 0								55°
TW	5	504	15	5- 3	12	2- 9	2- 6								70°
TW	5	505	15	4- 6	12	2- 6	2- 0								70°
TW	5	506	6	6- 4	12	3-10	2- 6								55°
TW	5	507	3	4- 4	12	2- 6	1-10								70°
TW	5	508	2	10- 8	1	10- 8									
TW	5	509	2	10- 9	13	8- 4	1- 3	1- 3						20°	20°
TW	5	510	2	11- 0	13	6- 9	2- 2	2- 2						20°	20°
TW	5	511	2	11- 6	13	5- 1	3- 3	3- 3						20°	20°
TW	5	512	2	11- 2	13	3- 5	3-11	3-11						20°	20°
TW	5	513	4	10- 5	13	1- 8	4- 5	4- 5						20°	20°
TW	5	514	2	10- 8	12	5- 4	5- 4								40°
TW	5	515	2	12- 4	1	12- 4									
TW	5	516	4	12- 9	13	9- 0	1-11	1-11						15°	15°
TW	5	517	4	12-10	13	6- 7	3- 2	3- 2						15°	15°
TW	5	518	4	13- 0	13	4- 3	4- 5	4- 5						15°	15°
TW	5	519	4	7- 9	12	5- 6	2- 3								15°
TW	5	520	2	7-10	12	6- 7	1- 3								35°
TW	5	521	6	5- 1	12	3- 9	1- 4								70°
TW	5	522	2	2- 0	10	1- 4	0-10								
TW	5	523	3	1- 8	10	1- 0	0-10								
TW	5	524	5	5- 0	28	2- 6	2- 1	0- 2	0- 5						
TW	5	525	4	2- 7	12	1- 9	0-10								70°
TW	5	526	2	15- 8	4	3- 8	3- 8								
TW	5	527	2	5- 0	4	1- 0	1- 0								

TOTAL WEIGHT = 957 LBS.

NOTE: FOR STANDARD BAR BENDING DETAILS, SEE SHEET NO'S. 14 & 15 /243.

NUMBER	REVISION	DATE, BY
1	CHANGED BAR SIZE	10/02 MJZ

DESIGN AGENCY: BRW HAZELET & ERDAL, A URS COMPANY, (513) 651-3440, 36 EAST 7TH STREET, SUITE 2300, CINCINNATI, OHIO 45202

DESIGNED MJZ | CHECKED CEJ | DRAWN GJW | REVISED | REVIEWED JRC | DATE 5-02 | STRUCTURE FILE NUMBER 5300916 OH, 10385 WV

REINFORCING BAR LIST FOR WEST VIRGINIA TOWER (4)

BRIDGE NO. MEG-33-1570

POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

DRILLED SHAFTS

PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
DS	18	001	84	60- 0	1	60- 0									
DS	18	002	84	55- 0	1	55- 0									
DS	18	003	84	48-11	10	46- 2	3- 5								
DS	18	004	84	43-11	10	41- 2	3- 5								
SP	6	105	6	34- 8	39	34- 8		7- 4						1½	12
SP	6	106	6	25- 0	39	25- 0		7- 4						1½	3
SP	6	107	6	28- 0	39	28- 0		7- 4						1½	12
SP	6	108	6	5- 9	39	5- 9		7- 4						1½	3

TOTAL WEIGHT = 278118 LBS.

FOOTING CAP

PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
TH	11	001	148	32- 8	18	29- 6									
TH	11	002	4	SERIES	18	SERIES									
			SETS	26-10		23- 8									
			OF	TO		TO									
			5	32- 6		29- 4									
TH	11	003	68	25- 7	17	24- 0									
TH	11	004	68	45- 7	17	44- 0									
TH	11	005	196	14- 10	35	2- 0	5- 3	7- 7	2- 6						
TH	11	006	64	14- 11	10	2- 0	13- 3								
TH	11	007	86	33- 0	12	21-11	11- 2								72°
TH	11	008	102	21-11	1	21-11									
TH	11	009	64	20-10	1	20-10									
TH	11	010	4	12- 0	1	12- 0									
TH	11	011	4	9- 0	1	9- 0									
TH	5	012	16	27- 5	1	27- 5									
TH	5	013	16	28- 1	1	28- 1									
TH	5	014	176	16- 7	17	16- 0									
TH	5	015	8	22-11	1	22-11									
TH	5	016	8	23- 8	1	23- 8									
TH	5	017	16	9- 2	13	4- 3	2- 6	2- 6						45°	45°
TH	5	018	16	5- 6	1	5- 6									
TH	5	019	4	SERIES	1	SERIES									
			SETS	2- 9		2- 9									
			OF	TO		TO									
			10	5- 0		5- 0									
TH	5	020	4	SERIES	13	SERIES	2- 6	2- 6						45°	45°
			SETS	5- 3		0- 4									
			OF	TO		TO									
			17	9- 2		4- 3									
TH	5	021	16	4-10	10	2- 6	2- 6								
TH	5	022	4	SERIES	1	SERIES									
			SETS	27- 6		27- 6									
			OF	TO		TO									
			20	31- 0		31- 0									
TH	5	023	4	SERIES	1	SERIES									
			SETS	28- 0		28- 0									
			OF	TO		TO									
			20	31- 0		31- 0									
TH	5	024	2	SERIES	1	SERIES									
			SETS	16- 0		16- 0									
			OF	TO		TO									
			20	23- 5		23- 5									
TH	5	025	2	SERIES	1	SERIES									
			SETS	16- 0		16- 0									
			OF	TO		TO									
			20	24-10		24-10									
TH	5	026	13	36- 0	1	36- 0									
TH	5	027	2	16- 6	12	8-3	8- 3								42°
TH	11	028	23	24- 0	1	24- 0									
TH	11	029	23	44- 0	1	44- 0									
TH	5	030	19	21- 6	31	3- 0	7- 9	7- 9	3- 0	2- 6		2- 6			
TH	5	031	440	31- 7	17	31- 0									
TH	5	032	440	SERIES	17	SERIES									
			SETS	9-10		9- 3									
			OF	TO		TO									
			20	16- 7		16- 0									

TOTAL WEIGHT = 157383 LBS.

NOTE: FOR STANDARD BAR BENDING DETAILS, SEE SHEET NO'S. 14 & 15 /243.

NUMBER	REVISION	DATE	BY
2	REVISED REINFORCING	2/03	MJZ

DESIGN AGENCY: BRW HAZELET & ERDAL, A URS COMPANY, (513) 651-3440, 36 EAST 7TH STREET, SUITE 2300, CINCINNATI, OHIO 45202

REVIEWED: JRC DATE: 5-02
STRUCTURE FILE NUMBER: 5300916 OH, 10385 WV
DESIGNED: MJZ DRAWN: GJW CHECKED: CEJ REVISED

REINFORCING BAR LIST FOR OHIO TOWER (1)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

LOWER LEGS

PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B	C	D	E	F	G	H	J	N	PHI Φ
TH	10	101	112	32- 4	17	30-11									
TH	10	102	112	35-10	17	34- 5									
TH	10	103	96	39- 4	17	37-11									
TH	10	104	96	42-10	17	41- 5									
TH	10	105	8	SERIES	1	SERIES									
			SETS	21- 6		21- 6									
			OF	TO		TO									
			15	23- 1		23- 1									
TH	10	106	8	SERIES	1	SERIES									
			SETS	10-11		10-11									
			OF	TO		TO									
			5	12- 6		12- 6									
TH	10	107	40	25- 3	1	25- 3									
TH	10	108	8	SERIES	1	SERIES									
			SETS	20- 6		20- 6									
			OF	TO		TO									
			15	22- 0		22- 0									
TH	10	109	52	21- 6	1	21- 6									
TH	10	110	28	22- 7	1	22- 7									
TH	10	111	28	29- 6	1	29- 6									
TH	10	112	52	19- 4	1	19- 4									
TH	10	113	52	23- 1	1	23- 1									
TH	10	114	28	22- 8	1	22- 8									
TH	10	115	28	30- 6	1	30- 6									
TH	10	116	52	20-10	1	20-10									
TH	6	117	4	SERIES	4	0-11	SERIES								
			SETS	26- 8			11-10								
			OF	TO			TO								
			27	34- 0			15- 6								
TH	6	118	4	SERIES	4	0-11	SERIES								
			SETS	19- 4			8- 2								
			OF	TO			TO								
			40	26- 6			11- 9								
TH	5	119	1340	9- 7	17	9- 0									
TH	5	120	648	9- 7	17	9- 0									
TH	5	121	960	7- 9	17	7- 2									
TH	5	122	268	7- 2	46	6- 0									
TH	6	123	134	34- 2	4	1- 0	15- 6								
TH	6	124	134	33- 6	4	0- 8	15- 6								
TH	10	130	42	15- 7	12	10-10	4-10								35°
TH	10	131	42	19- 6	12	18- 0	1- 7								35°
TH	10	132	8	15- 8	12	10-10	4-11								37°
TH	10	133	8	19- 7	12	18- 0	1- 8								37°
TH	10	134	8	15- 9	12	10-10	5- 0								39°
TH	10	135	8	19- 7	12	18- 0	1- 8								39°
TH	10	136	8	15-10	12	10-10	5- 1								41°
TH	10	137	8	19- 7	12	18- 0	1- 8								41°
TH	10	138	8	15-11	12	10-10	5- 2								43°
TH	10	139	8	19- 8	12	18- 0	1- 9								43°
TH	10	140	32	15-11	12	10-10	5- 2								44°
TH	10	141	32	19- 8	12	18- 0	1- 9								44°
TH	10	142	6	16- 0	12	10-11	5- 2								44°
TH	10	143	6	12- 7	12	10-11	1- 9								44°
TH	6	150	12	34- 0	4	1- 1	15- 5								
TH	6	151	24	17- 4	4	0-11	7- 2								
TH	6	152	4	33- 6	4	0- 9	15- 5								
TH	5	153	8	7- 1	46	5-11									
TH	5	154	360	5-11	17	5- 4									
TH	5	155	256	9- 7	17	9- 0									
TH	5	156	64	2- 0	46	0-10									
TH	6	157	20	34- 4	4	1- 1	15- 6								

LOWER LEGS (CONT.)

PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B	C	D	E	F	G	H	J	N	PHI Φ
TH	6	158	4	SERIES	4	0-11	SERIES								
			SETS	18- 8			7-10								
			OF	TO			TO								
			6	19- 6			8- 3								
TH	6	159	12	33- 8	4	0- 9	15- 6								
TH	5	160	24	7- 2	46	6- 0									
TH	4	161	32	2- 4	10	1- 7	0-10								
TH	6	162	4	SERIES	4	0-11	SERIES								
			SETS	17- 8			7- 4								
			OF	TO			TO								
			4	18- 4			7- 8								
TH	6	163	8	17- 3	11	15- 5	1- 1	1- 1							
TH	6	164	8	17- 4	11	15- 6	1- 1	1- 1							
TH	6	165	16	10- 8	11	8-10	1- 1	1- 1							
TH	4	166	32	4- 5	10	3- 8	0-10								
TH	4	167	32	2- 0	1	2- 0									
TH	4	168	32	2- 6	1	2- 6									
TH	4	169	16	5- 1	12	2- 9	2- 4								35°
TH	6	170	32	4- 0	1	4- 0									
TH	6	171	32	3- 0	1	3- 0									
TH	6	172	32	3- 2	11	1- 6	1- 0	1- 0							
TH	9	173	100	15-11	11	13- 4	1- 7	1- 7							

TOTAL WEIGHT = 214031 LBS.

TOWER STRUT

PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B	C	D	E	F	G	H	J	N	PHI Φ
TH	5	201	32	31- 6	1	31- 6									
TH	5	202	32	26- 6	1	26- 6									
TH	5	203	27	30- 0	1	30- 0									
TH	5	204	27	40- 0	1	40- 0									
TH	6	205	192	29- 4	4	13- 6	0- 7								
TH	6	206	184	14-10	4	5- 6	1- 4								
TH	10	209	32	16-10	35	7- 0	3- 0	1- 8	7- 0						
TH	6	210	44	30- 2	4	13- 6	1- 0								
TH	6	211	52	16- 0	4	5- 6	1-11								
TH	9	212	100	23- 5	1	23- 5									
TH	5	213	22	22- 3	11	13- 6	4- 6	4- 6							
TH	5	214	30	11- 0	12	7- 0	4- 0								45°
TH	5	215	4	6- 0	1	6- 0									
TH	10	216	52	17- 2	11	3-10	7- 0	7- 0							

TOTAL WEIGHT = 34710 LBS.

NOTE: FOR STANDARD BAR BENDING DETAILS, SEE SHEET NO'S. 14 & 15 /243.

NUMBER	REVISION	DATE	BY
2	REVISED REINFORCING	2/03	MJZ

DESIGN AGENCY: BRW HAZELET & ERDAL, A URS COMPANY, (513) 651-3440, 36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
MJZ	GJW	JRC	5-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
CEJ		5300916 OH 10385 WV	

REINFORCING BAR LIST FOR OHIO TOWER (2)

BRIDGE NO. MEG-33-1570

POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

210/243

540/582

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UPPER LEGS

PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B FT-IN	C FT-IN	D FT-IN	E FT-IN	F FT-IN	G FT-IN	H FT-IN	J FT-IN	N	PHI Φ
TH	10	301	660	26-10	1	26-10									
TH	10	302	6	12- 3	1	12- 3									
TH	10	303	6	19- 6	1	19- 6									
TH	6	304	156	18- 2	4	7- 2	1- 4								
TH	6	305	2	SERIES	4	SERIES	9								
			SETS	32-10		15- 1									
			OF	TO		TO									
			39	33- 6		15- 5									
TH	5	306	624	2- 6	46	1- 4									
TH	5	307	4	SERIES	46	SERIES									
			SETS	6-11		5- 9									
			OF	TO		TO									
			39	7- 1		5-11									
TH	6	308	28	33- 8	4	15- 4	1- 1								
TH	10	309	12	21- 0	1	21- 0									
TH	5	310	652	2- 3	46	1- 1									
TH	5	311	100	1-11	46	9									
TH	6	312	56	15- 0	4	5-10	1- 1								
TH	6	313	22	32-10	4	15- 1	9								
TH	5	314	44	6-11	46	5- 9									
TH	6	315	312	18- 6	4	7- 4	1- 5								
TH	5	316	1248	2- 7	46	1- 5									
TH	6	317	4	SERIES	4	SERIES	10								
			SETS	32- 6		14-11									
			OF	TO		TO									
			39	33- 2		15- 3									
TH	5	318	8	SERIES	46	SERIES									
			SETS	6-11		5- 9									
			OF	TO		TO									
			39	7- 1		5-11									
TH	5	319	1248	2- 4	46	1- 2									
TH	5	320	312	2- 0	46	10									
TH	6	321	4	SERIES	4	SERIES	10								
			SETS	31-10		14- 7									
			OF	TO		TO									
			39	32- 6		14-11									
TH	5	322	8	SERIES	46	SERIES									
			SETS	6- 9		5- 7									
			OF	TO		TO									
			39	6-11		5- 9									
TH	5	330	16	6- 0	1	6- 0									
TH	8	331	8	13- 0	1	13- 0									
TH	5	332	8	9- 5	11	4- 8	2- 6	2- 6							
TH	5	333	8	4- 8	1	4- 8									
TH	5	334	24	5- 8	15	0-10	2- 6	2- 6						76°	76°
TH	5	335	28	4- 5	12	2- 5	2- 0								76°
TH	5	336	12	15- 1	11	0- 8	7- 4	7- 4							
TH	5	337	4	13- 1	11	0- 8	6- 4	6- 4							
TH	5	338	4	SERIES	4	SERIES	8								
			SETS	5- 0		1- 2									
			OF	TO		TO									
			13	10- 0		3- 8									
TH	5	339	16	7- 4	18	6- 0									
TH	5	340	6	15- 7	18	14- 3									

TOTAL WEIGHT = 131919 LBS.

TOWER HEAD

PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B FT-IN	C FT-IN	D FT-IN	E FT-IN	F FT-IN	G FT-IN	H FT-IN	J FT-IN	N	PHI Φ
TH	10	401	184	26-10	1	26-10									
TH	10	402	192	24- 4	1	24- 4									
TH	10	403	384	22-10	1	22-10									
TH	10	404	192	21- 4	1	21- 4									
TH	10	405	66	27- 4	1	27- 4									
TH	10	406	66	34- 6	1	34- 6									
TH	10	407	26	22- 0	1	22- 0									
TH	10	408	26	29- 0	1	29- 0									
TH	10	409	8	12- 4	12	9-11	2- 6								45°
TH	10	410	8	14- 7	12	12- 2	2- 6								45°
TH	10	411	4	24- 6	12	22- 1	2- 6								45°
TH	10	412	4	31- 9	12	29- 4	2- 6								45°
TH	10	413	16	11-10	13	7- 0	2- 6	2- 6						45°	45°
TH	10	414	8	11-10	13	7- 0	2- 6	2- 6						45°	45°
TH	10	415	16	11- 4	13	6- 6	2- 6	2- 6						45°	45°
TH	10	416	32	11- 1	13	6- 3	2- 6	2- 6						45°	45°
TH	10	417	32	11- 3	13	6- 5	2- 6	2- 6						45°	45°
TH	10	418	32	11- 0	13	6- 2	2- 6	2- 6						45°	45°
TH	10	419	16	10-11	13	6- 1	2- 6	2- 6						45°	45°
TH	10	420	16	10- 7	13	5- 9	2- 6	2- 6						45°	45°
TH	10	421	16	17- 2	12	14- 9	2- 6								45°
TH	10	422	8	26- 1	12	19- 2	7- 0								14°
TH	5	423	16	13- 1	12	7- 4	5- 9								14°
TH	5	424	16	8- 9	12	5- 9	3- 0								66°
TH	5	425	16	8- 6	12	6- 0	2- 6								22°
TH	5	426	16	5- 6	12	2- 6	3- 0								59°
TH	5	427	16	8- 6	12	5- 0	3- 6								30°
TH	5	428	16	6- 6	12	3- 6	3- 0								53°
TH	5	429	16	7- 6	12	4- 0	3- 6								36°
TH	5	430	16	7- 0	12	3- 6	3- 6								49°
TH	5	431	16	7- 4	12	3-10	3- 6								40°
TH	5	432	16	7- 0	12	3- 6	3- 6								46°
TH	5	433	16	7- 0	12	3- 6	3- 6								43°
TH	5	434	16	7- 0	12	3- 6	3- 6								44°
TH	5	435	16	7- 0	12	3- 6	3- 6								45°
TH	5	436	16	7- 0	12	3- 6	3- 6								42°
TH	5	437	16	7- 0	12	3- 6	3- 6								48°
TH	5	438	16	7- 0	12	3- 6	3- 6								40°
TH	5	439	16	6- 6	12	3- 0	3- 6								49°
TH	5	440	16	7- 0	12	3- 6	3- 6								39°
TH	5	441	16	6- 6	12	3- 0	3- 6								51°
TH	5	442	16	7- 0	12	3- 6	3- 6								38°
TH	5	443	16	6- 6	12	3- 0	3- 6								52°
TH	5	444	16	7- 6	12	3- 6	4- 0								37°
TH	5	445	16	6- 6	12	3- 0	3- 6								37°
TH	5	446	16	7- 6	12	3- 6	4- 0								36°
TH	5	447	16	8- 4	12	3- 6	4-10								54°
TH	5	448	16	7- 6	10	4-10	2-10								
TH	10	449	8	31- 3	10	28- 9	2-10								
TH	8	450	1536	9-11	11	7- 4	1- 6	1- 6							
TH	5	451	2340	2- 7	46	1- 5									
TH	5	452	96	5- 2	11	1- 5	2- 0	2- 0							
TH	5	453	96	7- 2	11	1- 5	3- 0	3- 0							
TH	8	454	8	SERIES	11	SERIES	1- 6	1- 6							
			SETS	17- 1		14- 6									
			OF	TO		TO									
			7	17- 2		14- 7									
TH	5	455	56	6- 9	46	5- 7									
TH	5	456	2608	2- 4	46	1- 2									
TH	5	457	652	2- 0	46	-10									
TH	8	458	8	SERIES	11	SERIES	1- 6	1- 6							
			SETS	16-10		14- 3									
			OF	TO		TO									
			24	17- 1		14- 6									
TH	5	459	8	SERIES	46	SERIES									
			SETS	6- 7		5- 5									
			OF	TO		TO									
			24	6- 9		5- 7									

NOTE: FOR STANDARD BAR BENDING DETAILS, SEE SHEET NO'S. 14 & 15 /243.

NUMBER	REVISION	DATE, BY,
2	REVISED REINFORCING	2/03 MJZ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED MJZ | DRAWN GJW | REVIEWED JRC | DATE 5-02
CHECKED CEJ | REVISED | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

REINFORCING BAR LIST FOR OHIO TOWER (3)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

TOWER HEAD (CONT.)

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
TH	8	460	8	SERIES	11	SERIES	1- 6	1- 6							
			SETS	16- 7		14- 0									
			OF	TO		TO									
			30	16-10		14- 3									
TH	5	461	8	SERIES	46	SERIES									
			SETS	6- 6		5- 4									
			OF	TO		TO									
			30	6- 7		5- 5									
TH	5	462	240	6- 2	11	1- 5	2- 6	2- 6							
TH	8	463	8	SERIES	11	SERIES	1- 6	1- 6							
			SETS	16- 4		13- 9									
			OF	TO		TO									
			27	16- 7		14- 0									
TH	5	464	8	SERIES	46	SERIES									
			SETS	6- 4		5- 2									
			OF	TO		TO									
			27	6- 6		5- 4									
TH	8	465	8	SERIES	11	SERIES	1- 6	1- 6							
			SETS	16- 1		13- 6									
			OF	TO		TO									
			24	16- 4		13- 9									
TH	5	466	8	SERIES	46	SERIES									
			SETS	6- 3		5- 1									
			OF	TO		TO									
			24	6- 4		5- 2									
TH	8	467	8	SERIES	11	SERIES	1- 6	1- 6							
			SETS	15-10		13- 3									
			OF	TO		TO									
			20	16- 1		13- 6									
TH	5	468	8	SERIES	46	SERIES									
			SETS	6- 1		4-11									
			OF	TO		TO									
			20	6- 3		5- 1									
TH	8	469	8	SERIES	11	SERIES	1- 6	1- 6							
			SETS	15- 7		13- 0									
			OF	TO		TO									
			19	15-10		13- 3									
TH	5	470	8	SERIES	46	SERIES									
			SETS	6- 0		4-10									
			OF	TO		TO									
			19	6- 1		4-11									
TH	8	471	2	SERIES	11	SERIES	1- 6	1- 6							
			SETS	15- 1		12- 6									
			OF	TO		TO									
			7	18- 0		15- 5									
TH	8	472	2	SERIES	4	SERIES	1- 5								
			SETS	29- 6		12- 6									
			OF	TO		TO									
			7	35- 4		15- 5									
TH	8	473	52	15- 5	11	12-10	1- 6	1- 6							
TH	5	474	52	5-11	46	4- 9									
TH	5	475	2	SERIES	4	SERIES	0-10								
			SETS	28- 0		12- 8									
			OF	TO		TO									
			11	28- 4		12-10									
TH	5	476	4	SERIES	46	SERIES									
			SETS	5-10		4- 8									
			OF	TO		TO									
			11	5-11		4- 9									
TH	8	477	12	15- 3	11	12- 8	1- 6	1- 6							
TH	5	478	1	SERIES	4	SERIES	12- 9								
			SETS	28- 2		0-10									
			OF	TO		TO									
			6	33- 0		3- 3									
TH	5	479	5	SERIES	46	SERIES									
			SETS	4- 8		3- 6									
			OF	TO		TO									
			3	5- 8		4- 6									

TOWER HEAD (CONT.)

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
TH	5	480	5	SERIES	46	SERIES									
			SETS	1-10		- 8									
			OF	TO		TO									
			6	4- 3		3- 1									
TH	8	481	1	12- 6	1	12- 6									
TH	8	482	4	19- 5	11	16-10	1- 6	1- 6							
TH	8	483	6	18-11	11	16- 4	1- 6	1- 6							
TH	8	484	6	18- 5	11	15-10	1- 6	1- 6							
TH	8	485	2	SERIES	4	SERIES	1- 5								
			SETS	25- 8		10- 7									
			OF	TO		TO									
			4	28- 6		12- 0									

TOTAL WEIGHT = 183218 LBS.

TOWER TOP

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
TH	5	501	12	5- 1	10	2- 9	2- 6								
TH	5	502	12	5- 3	12	2- 9	2- 6								55°
TH	5	503	18	4- 6	12	2- 6	2- 0								55°
TH	5	504	15	5- 3	12	2- 9	2- 6								70°
TH	5	505	15	4- 6	12	2- 6	2- 0								70°
TH	5	506	6	6- 4	12	3-10	2- 6								55°
TH	5	507	3	4- 4	12	2- 6	1-10								70°
TH	5	508	2	10- 8	1	10- 8									
TH	5	509	2	10- 9	13	8- 4	1- 3	1- 3						20°	20°
TH	5	510	2	11- 0	13	6- 9	2- 2	2- 2						20°	20°
TH	5	511	2	11- 6	13	5- 1	3- 3	3- 3						20°	20°
TH	5	512	2	11- 2	13	3- 5	3-11	3-11						20°	20°
TH	5	513	4	10- 5	13	1- 8	4- 5	4- 5						20°	20°
TH	5	514	2	10- 8	12	5- 4	5- 4								40°
TH	5	515	2	12- 4	1	12- 4									
TH	5	516	4	12- 9	13	9- 0	1-11	1-11						15°	15°
TH	5	517	4	12-10	13	6- 7	3- 2	3- 2						15°	15°
TH	5	518	4	13- 0	13	4- 3	4- 5	4- 5						15°	15°
TH	5	519	4	7- 9	12	5- 6	2- 3								15°
TH	5	520	2	7-10	12	6- 7	1- 3								35°
TH	5	521	6	5- 1	12	3- 9	1- 4								70°
TH	5	522	2	2- 0	10	1- 4	0-10								
TH	5	523	3	1- 8	10	1- 0	0-10								
TH	5	524	5	5- 0	28	2- 6	2- 1	0- 2	0- 5						
TH	5	525	4	2- 7	12	1- 9	0-10								70°
TH	5	526	2	15- 8	4	3- 8	3- 8								
TH	5	527	2	5- 0	4	1- 0	1- 0								

TOTAL WEIGHT = 957 LBS.

NOTE: FOR STANDARD BAR BENDING DETAILS, SEE SHEET NO'S. 14 & 15 /243.

NUMBER	REVISION	DATE	BY
1	CHANGED BAR SIZE	10/02	MJZ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

REVIEWED JRC | DATE 5-02
STRUCTURE FILE NUMBER 5300916 OH 10385 WV
DESIGNED MJZ | CHECKED CEJ | DRAWN GJW | REVISED

REINFORCING BAR LIST FOR OHIO TOWER (4)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
CABLE STAYED DECK - SEGMENTS B2-B4 (3 REQUIRED)															
S	5	002	162	5- 2	1	5- 2									
S	5	009	20	5- 4	1	5- 4									
S	5	021	97	20- 4	1	20- 4									
S	4	023	18	40- 6	12	20- 3	20- 3								2°
S	4	024	10	20- 6	12	10- 3	10- 3								2°
S	4	025	18	14- 0	1	14- 0									
S	4	026	18	21- 9	1	21- 9									
S	4	027	10	21- 0	1	21- 0									
S	4	028	10	28- 2	1	28- 2									
S	5	030	122	4- 0	1	4- 0									
S	5	050	12	4- 6	55	1- 5	0- 2	1- 6	0- 2	1- 0				65°	155°
S	4	051	26	3- 8	11	0- 8	1- 7	1- 7							
TOTAL WEIGHT PER ELEMENT = 5053															

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
CABLE STAYED DECK - SEGMENTS B5-B12 (8 REQUIRED)															
S	5	002	16	5- 2	1	5- 2									
S	5	009	20	4- 7	1	4- 7									
S	14	020	16	19- 4	1	19- 4									
S	5	021	81	20- 4	1	20- 4									
S	4	023	18	40- 0	12	20- 0	20- 0								2°
S	4	024	10	20- 0	12	10- 0	10- 0								2°
S	4	025	18	13-10	1	13-10									
S	4	026	18	21- 9	1	21- 9									
S	4	027	10	21- 0	1	21- 0									
S	4	028	10	28- 1	1	28- 1									
S	5	030	122	4- 0	1	4- 0									
S	5	050	12	4- 6	55	1- 5	0- 2	1- 6	0- 2	1- 0				65°	155°
S	4	051	26	3- 8	11	0- 8	1- 7	1- 7							
TOTAL WEIGHT PER ELEMENT = 6265															

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
CABLE STAYED DECK - WV PIER TABLE															
S	5	003	107	40- 6	12	20- 3	20- 3								2°
S	5	004	94	20- 6	12	10- 3	10- 3								2°
S	5	005	107	14- 0	1	14- 0									
S	5	006	107	19- 6	1	19- 6									
S	5	007	94	21- 0	1	21- 0									
S	5	008	94	26- 0	1	26- 0									
S	5	009	188	4- 7	1	4- 7									
S	5	010	260	8- 0	12	4- 0	4- 0								37°
S	5	013	256	53- 0	1	53- 0									
S	5	014	256	36- 6	1	36- 6									
S	5	030	130	4- 0	1	4- 0									
S	5	050	240	4- 6	55	1- 5	0- 2	1- 6	0- 2	1- 0				65°	155°
S	4	051	120	3- 8	11	0- 8	1- 7	1- 7							
TOTAL WEIGHT = 43804															

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
CABLE STAYED DECK - SEGMENTS M2-M12, M14-M24 (22 REQUIRED)															
S	5	001	256	29- 0	1	29- 0									
S	5	003	35	40- 6	12	20- 3	20- 3								2°
S	5	004	33	20- 6	12	10- 3	10- 3								2°
S	5	005	35	14- 0	1	14- 0									
S	5	006	35	19- 6	1	19- 6									
S	5	007	33	21- 0	1	21- 0									
S	5	008	33	26- 0	1	26- 0									
S	5	009	66	5- 4	1	5- 4									
S	5	010	65	8- 0	12	4- 0	4- 0								37°
S	5	050	80	4- 6	55	1- 5	0- 2	1- 6	0- 2	1- 0				65°	155°
S	4	051	40	3- 8	11	0- 8	1- 7	1- 7							
TOTAL WEIGHT PER ELEMENT = 14151															

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
CABLE STAYED DECK - MAINSPAN CLOSURE															
S	5	003	16	40- 6	12	20- 3	20- 3								2°
S	5	004	16	20- 6	12	10- 3	10- 3								2°
S	5	005	16	14- 0	1	14- 0									
S	5	006	16	19- 6	1	19- 6									
S	5	007	16	21- 0	1	21- 0									
S	5	008	16	26- 0	1	26- 0									
S	5	009	32	4- 7	1	4- 7									
S	5	016	128	11- 8	1	11- 8									
S	5	017	128	11- 8	1	11- 8									
S	5	050	36	4- 6	55	1- 5	0- 2	1- 6	0- 2	1- 0				65°	155°
S	4	051	18	3- 8	11	0- 8	1- 7	1- 7							
TOTAL WEIGHT = 5842															

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
CABLE STAYED DECK - OHIO PIER TABLE															
S	5	003	107	40- 6	12	20- 3	20- 3								2°
S	5	004	94	20- 6	12	10- 3	10- 3								2°
S	5	005	107	14- 0	1	14- 0									
S	5	007	94	21- 0	1	21- 0									
S	5	009	188	4- 7	1	4- 7									
S	5	010	260	8- 0	12	4- 0	4- 0								37°
S	5	013	256	53- 0	1	53- 0									
S	5	014	258	36- 6	1	36- 6									
S	5	016	1	14- 0	1	14- 0									
S	5	030	130	4- 7	1	4- 7									
S	5	046	107	21- 9	1	21- 9									
S	5	048	94	28- 1	1	28- 1									
S	5	050	240	4- 6	55	1- 5	0- 2	1- 6	0- 2	1- 0				65°	155°
S	4	051	120	3- 8	11	0- 8	1- 7	1- 7							
TOTAL WEIGHT = 44430															

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
CABLE STAYED DECK - SEGMENTS B14-B15 (2 REQUIRED)															
S	5	002	164	5- 2	1	5- 2									
S	5	009	20	5- 4	1	5- 4									
S	5	021	98	20- 4	1	20- 4									
S	4	025	18	14- 0	1	14- 0									
S	4	026	18	21- 9	1	21- 9									
S	4	027	10	21- 0	1	21- 0									
S	4	028	10	28- 2	1	28- 2									
S	5	030	124	4- 0	1	4- 0									
S	4	033	18	40- 6	1	40- 6									
S	4	034	10	20- 6	1	20- 6									
S	5	050	12	4- 6	55	1- 5	0- 2	1- 6	0- 2	1- 0				65°	155°
S	4	051	26	3- 8	11	0- 8	1- 7	1- 7							
TOTAL WEIGHT PER ELEMENT = 5093															

NOTES

1. FOR STANDARD BAR BENDING DETAILS, SEE SHEET NOS. 14-15/243 .
2. WEIGHT GIVEN FOR INFORMATIONAL PURPOSE ONLY.

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED MWL | CHECKED PS | DRAWN CER | REVISED | REVIEWED SLS | DATE 8-02 | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

REINFORCING BAR LIST CABLE STAYED SUPERSTRUCTURE (1)

BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

CABLE STAYED DECK - SEGMENT B16

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
S	5	002	166	5- 2	1	5- 2									
S	5	009	20	5- 4	1	5- 4									
S	5	021	99	20- 4	1	20- 4									
S	4	025	18	14- 0	1	14- 0									
S	4	026	18	21- 9	1	21- 9									
S	4	027	10	21- 0	1	21- 0									
S	4	028	10	28- 2	1	28- 2									
S	5	030	126	4- 0	1	4- 0									
S	4	033	18	40- 6	1	40- 6									
S	4	034	10	20- 6	1	20- 6									
S	5	050	12	4- 6	55	1- 5	0- 2	1- 6	0- 2	1- 0				65°	155°
S	4	051	26	3- 8	11	0- 8	1- 7	1- 7							

TOTAL WEIGHT PER ELEMENT = 5133

CABLE STAYED DECK - SEGMENTS B17 & B18 (2 REQUIRED)

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
S	5	002	168	5- 2	1	5- 2									
S	5	009	20	5- 4	1	5- 4									
S	14	020	16	19- 4	1	19- 4									
S	5	021	84	20- 4	1	20- 4									
S	4	025	18	14- 0	1	14- 0									
S	4	027	10	21- 0	1	21- 0									
S	5	030	126	4- 0	1	4- 0									
S	4	033	18	40- 6	1	40- 6									
S	4	034	10	20- 6	1	20- 6									
S	4	036	18	29- 3	1	29- 3									
S	4	038	10	33- 6	1	33- 6									
S	5	050	12	4- 6	55	1- 5	0- 2	1- 6	0- 2	1- 0				65°	155°
S	4	051	26	3- 8	11	0- 8	1- 7	1- 7							

TOTAL WEIGHT PER ELEMENT = 7318

CABLE STAYED DECK - SEGMENTS B19 & B20 (2 REQUIRED)

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
S	5	002	85	5- 2	1	5- 2									
S	5	009	20	5- 4	1	5- 4									
S	14	020	16	19- 4	1	19- 4									
S	5	021	85	20- 4	1	20- 4									
S	4	025	18	14- 0	1	14- 0									
S	4	027	10	21- 0	1	21- 0									
S	5	030	128	4- 0	1	4- 0									
S	4	033	18	40- 6	1	40- 6									
S	4	034	10	20- 6	1	20- 6									
S	4	036	18	29- 3	1	29- 3									
S	4	038	10	33- 6	1	33- 6									
S	5	050	12	4- 6	55	1- 5	0- 2	1- 6	0- 2	1- 0				65°	155°
S	4	051	26	3- 8	11	0- 8	1- 7	1- 7							

TOTAL WEIGHT PER ELEMENT = 6900

CABLE STAYED DECK - SEGMENT B21

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
S	5	002	172	5- 2	1	5- 2									
S	5	009	20	5- 4	1	5- 4									
S	14	020	16	19- 4	1	19- 4									
S	5	021	86	20- 4	1	20- 4									
S	4	025	18	14- 0	1	14- 0									
S	4	027	10	21- 0	1	21- 0									
S	5	030	130	4- 0	1	4- 0									
S	4	033	18	40- 6	1	40- 6									
S	4	034	10	20- 6	1	20- 6									
S	4	036	18	29- 3	1	29- 3									
S	4	038	10	33- 6	1	33- 6									
S	5	050	12	4- 6	55	1- 5	0- 2	1- 6	0- 2	1- 0				65°	155°
S	4	051	26	3- 8	11	0- 8	1- 7	1- 7							

TOTAL WEIGHT = 7399

CABLE STAYED DECK - SEGMENT B22

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
S	5	002	174	5- 2	1	5- 2									
S	5	009	20	5- 4	1	5- 4									
S	14	020	16	19- 4	1	19- 4									
S	5	021	87	20- 4	1	20- 4									
S	4	025	18	14- 0	1	14- 0									
S	4	027	10	21- 0	1	21- 0									
S	5	030	130	4- 0	1	4- 0									
S	4	033	18	40- 6	1	40- 6									
S	4	034	10	20- 6	1	20- 6									
S	4	036	18	29- 3	1	29- 3									
S	4	038	10	33- 6	1	33- 6									
S	5	050	12	4- 6	55	1- 5	0- 2	1- 6	0- 2	1- 0				65°	155°
S	4	051	26	3- 8	11	0- 8	1- 7	1- 7							

TOTAL WEIGHT = 7431

CABLE STAYED DECK - SEGMENT B23

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
S	5	002	174	5- 2	1	5- 2									
S	5	009	20	5- 4	1	5- 4									
S	14	020	16	20- 4	1	20- 4									
S	5	021	87	20- 4	1	20- 4									
S	4	025	18	14- 0	1	14- 0									
S	4	027	10	21- 0	1	21- 0									
S	5	030	132	4- 0	1	4- 0									
S	4	033	18	40- 6	1	40- 6									
S	4	034	10	20- 6	1	20- 6									
S	4	036	18	29- 3	1	29- 3									
S	4	038	10	33- 6	1	33- 6									
S	5	050	12	4- 6	55	1- 5	0- 2	1- 6	0- 2	1- 0				65°	155°
S	4	051	26	3- 8	11	0- 8	1- 7	1- 7							

TOTAL WEIGHT = 7561

CABLE STAYED DECK - SEGMENT B24

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
S	5	002	178	5- 2	1	5- 2									
S	5	009	20	5- 4	1	5- 4									
S	14	020	16	20- 4	1	20- 4									
S	5	021	89	20- 4	1	20- 4									
S	4	025	18	14- 0	1	14- 0									
S	4	027	10	21- 0	1	21- 0									
S	5	030	134	4- 0	1	4- 0									
S	4	033	18	40- 6	1	40- 6									
S	4	034	10	20- 6	1	20- 6									
S	4	036	18	29- 3	1	29- 3									
S	4	038	10	33- 6	1	33- 6									
S	5	050	12	4- 6	55	1- 5	0- 2	1- 6	0- 2	1- 0				65°	155°
S	4	051	26	3- 8	11	0- 8	1- 7	1- 7							

TOTAL WEIGHT = 7634

NOTES

1. FOR STANDARD BAR BENDING DETAILS, SEE SHEET NOS. 14-15/243 .
2. WEIGHT GIVEN FOR INFORMATIONAL PURPOSE ONLY.

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

REVIEWED SLS
DATE 8-02
STRUCTURE FILE NUMBER 5300916 OH 10385 WV
DRAWN CER
REVISED
DESIGNED MWL
CHECKED PS

REINFORCING BAR LIST CABLE STAYED SUPERSTRUCTURE (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

CABLE STAYED EDGE GIRDER - SEGMENT B2

PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
S	6	201	32	21- 2	47	4- 7	5- 3	4- 8	5- 5					75°	76°
S	6	203	2	23-10	48	4- 8	5- 5	4- 7	5- 3	1- 0	1- 0	1- 5	1- 5	75°	76°
S	6	207	2	23- 3	48	4- 7	5- 3	4- 8	5- 5	1- 0	1- 0	0-11	1- 4	76°	75°
S	8	208	18	17-10	50	17-10									
S	8	209	6	7- 4	44	7- 4									
S	8	210	6	9- 0	34	9- 0									
S	8	211	6	4- 5	44	4- 5									
S	8	212	6	11-10	34	11-10									
S	14	213	92	17-10	50	17-10									
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	12	6- 5	15	4- 7	1- 0	1- 0						76°	76°

TOTAL WEIGHT = 15224

CABLE STAYED EDGE GIRDER - SEGMENT B3

PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
S	6	201	30	21- 2	47	4- 7	5- 3	4- 8	5- 5					75°	76°
S	6	203	2	23-10	48	4- 8	5- 5	4- 7	5- 3	1- 0	1- 0	1- 5	1- 5	75°	76°
S	6	207	4	23- 3	48	4- 7	5- 3	4- 8	5- 5	1- 0	1- 0	0-11	1- 4	76°	75°
S	8	208	18	17-10	50	17-10									
S	8	209	6	8- 1	44	8- 1									
S	8	210	6	8- 2	34	8- 2									
S	8	211	6	4- 5	44	4- 5									
S	8	212	6	11- 9	34	11- 9									
S	14	213	92	17-10	50	17-10									
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	14	6- 5	15	4- 7	1- 0	1- 0						76°	76°

TOTAL WEIGHT = 15247

CABLE STAYED EDGE GIRDER - SEGMENT B4

PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
S	6	201	28	21- 2	47	4- 7	5- 3	4- 8	5- 5					75°	76°
S	6	203	4	23-10	48	4- 8	5- 5	4- 7	5- 3	1- 0	1- 0	1- 5	1- 5	75°	76°
S	6	207	4	23- 3	48	4- 7	5- 3	4- 8	5- 5	1- 0	1- 0	0-11	1- 4	76°	75°
S	8	208	16	17-10	50	17-10									
S	8	209	6	8- 7	44	8- 7									
S	8	210	6	7- 5	34	7- 5									
S	8	211	6	4- 4	44	4- 4									
S	8	212	6	11- 7	34	11- 7									
S	14	213	92	17-10	50	17-10									
S	8	267	2	19- 5	34	19- 5									
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	16	6- 5	15	4- 7	1- 0	1- 0						76°	76°

TOTAL WEIGHT = 15275

CABLE STAYED EDGE GIRDER - SEGMENT B5

PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
S	6	201	28	21- 2	47	4- 7	5- 3	4- 8	5- 5					75°	76°
S	6	202	72	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	6	203	4	23-10	48	4- 8	5- 5	4- 7	5- 3	1- 0	1- 0	1- 5	1- 5	75°	76°
S	6	207	4	23- 3	48	4- 7	5- 3	4- 8	5- 5	1- 0	1- 0	0-11	1- 4	76°	75°
S	8	208	16	17-10	50	17-10									
S	8	209	6	9- 1	44	9- 1									
S	8	210	6	6- 9	34	6- 9									
S	8	211	6	4- 4	44	4- 4									
S	8	212	6	11- 6	34	11- 6									
S	14	213	94	17-10	50	17-10									
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	16	6- 5	15	4- 7	1- 0	1- 0						76°	76°
S	14	270	2	20-10	44	20-10									

TOTAL WEIGHT = 15644

CABLE STAYED EDGE GIRDER - SEGMENT B6

PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
S	6	201	28	21- 2	47	4- 7	5- 3	4- 8	5- 5					75°	76°
S	6	202	72	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	6	203	4	23-10	48	4- 8	5- 5	4- 7	5- 3	1- 0	1- 0	1- 5	1- 5	75°	76°
S	6	207	4	23- 3	48	4- 7	5- 3	4- 8	5- 5	1- 0	1- 0	0-11	1- 4	76°	75°
S	8	208	16	17-10	50	17-10									
S	8	209	6	9- 6	44	9- 6									
S	8	210	6	6- 3	34	6- 3									
S	8	211	6	4- 4	44	4- 4									
S	8	212	6	11- 5	34	11- 5									
S	14	213	96	17-10	50	17-10									
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	16	6- 5	15	4- 7	1- 0	1- 0						76°	76°

TOTAL WEIGHT = 16486

CABLE STAYED EDGE GIRDER - SEGMENT B7

PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
S	6	201	28	21- 2	47	4- 7	5- 3	4- 8	5- 5					75°	76°
S	6	202	72	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	6	203	4	23-10	48	4- 8	5- 5	4- 7	5- 3	1- 0	1- 0	1- 5	1- 5	75°	76°
S	6	207	4	23- 3	48	4- 7	5- 3	4- 8	5- 5	1- 0	1- 0	0-11	1- 4	76°	75°
S	8	208	16	17-10	50	17-10									
S	8	209	6	9-11	44	9-11									
S	8	210	6	5- 9	34	5- 9									
S	8	211	6	4- 4	44	4- 4									
S	8	212	6	11- 4	34	11- 4									
S	14	213	96	17-10	50	17-10									
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	16	6- 5	15	4- 7	1- 0	1- 0						76°	76°

TOTAL WEIGHT = 16483

CABLE STAYED EDGE GIRDER - SEGMENT B8

PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
S	6	201	28	21- 2	47	4- 7	5- 3	4- 8	5- 5					75°	76°
S	6	202	72	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	6	203	4	23-10	48	4- 8	5- 5	4- 7	5- 3	1- 0	1- 0	1- 5	1- 5	75°	76°
S	6	207	4	23- 3	48	4- 7	5- 3	4- 8	5- 5	1- 0	1- 0	0-11	1- 4	76°	75°
S	8	208	16	17-10	50	17-10									
S	8	209	6	10- 3	44	10- 3									
S	8	210	6	5- 4	34	5- 4									
S	8	211	6	4- 3	44	4- 3									
S	8	212	6	11- 4	34	11- 4									
S	14	213	96	17-10	50	17-10									
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	16	6- 5	15	4- 7	1- 0	1- 0						76°	76°

TOTAL WEIGHT = 16480

CABLE STAYED EDGE GIRDER - SEGMENT B9

PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
S	6	201	28	21- 2	47	4- 7	5- 3	4- 8	5- 5					75°	76°
S	6	202	72	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	6	203	4	23-10	48	4- 8	5- 5	4- 7	5- 3	1- 0	1- 0	1- 5	1- 5	75°	76°
S	6	207	4	23- 3	48	4- 7	5- 3	4- 8	5- 5	1- 0	1- 0	0-11	1- 4	76°	75°
S	8	208	16	17-10	50	17-10									
S	8	209	6	10- 7	44	10- 7									
S	8	210	6	5- 0	34	5- 0									
S	8	211	6	4- 3	44	4- 3									
S	8	212	6	11- 3	34	11- 3									
S	14	213	96	17-10	50	17-10									
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	16	6- 5	15	4- 7	1- 0	1- 0						76°	76°

TOTAL WEIGHT = 16479

NOTES

1. FOR STANDARD BAR BENDING DETAILS, SEE SHEET NOS. 14-15/243 .

2. WEIGHT GIVEN FOR INFORMATIONAL PURPOSE ONLY.

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

REVIEWED SLS DATE 8-02
STRUCTURE FILE NUMBER 5300916 OH 10385 WV
DRAWN CER REVISED
DESIGNED RJB CHECKED MWL

REINFORCING BAR LIST CABLE STAYED SUPERSTRUCTURE (3)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

CABLE STAYED EDGE GIRDER - SEGMENT B10

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
S	6	201	28	21- 2	47	4- 7	5- 3	4- 8	5- 5					75°	76°
S	6	202	72	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	6	203	4	23-10	48	4- 8	5- 5	4- 7	5- 3	1- 0	1- 0	1- 5	1- 5	75°	76°
S	6	207	4	23- 3	48	4- 7	5- 3	4- 8	5- 5	1- 0	1- 0	0-11	1- 4	76°	75°
S	8	208	16	17-10	50	17-10									
S	8	209	6	10-10	44	10-10									
S	8	210	6	4- 8	34	4- 8									
S	8	211	6	4- 3	44	4- 3									
S	8	212	6	11- 2	34	11- 2									
S	14	213	96	17-10	50	17-10									
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	16	6- 5	15	4- 7	1- 0	1- 0						76°	76°

TOTAL WEIGHT = 16476

CABLE STAYED EDGE GIRDER - SEGMENT B11

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
S	6	201	56	21- 2	47	4- 7	5- 3	4- 8	5- 5					75°	76°
S	6	202	144	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	6	203	8	23-10	48	4- 8	5- 5	4- 7	5- 3	1- 0	1- 0	1- 5	1- 5	75°	76°
S	6	207	8	23- 3	48	4- 7	5- 3	4- 8	5- 5	1- 0	1- 0	0-11	1- 4	76°	75°
S	8	208	16	17-10	50	17-10									
S	8	209	6	11- 0	44	11- 0									
S	8	210	6	4- 3	34	4- 3									
S	8	211	6	4- 2	44	4- 2									
S	8	212	6	11- 1	34	11- 1									
S	14	213	96	17-10	50	17-10									
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	24	6- 5	15	4- 7	1- 0	1- 0						76°	76°

TOTAL WEIGHT = 18495

CABLE STAYED EDGE GIRDER - SEGMENT B12

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
S	6	201	52	21- 2	47	4- 7	5- 3	4- 8	5- 5					75°	76°
S	6	202	144	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	6	203	10	23-10	48	4- 8	5- 5	4- 7	5- 3	1- 0	1- 0	1- 5	1- 5	75°	76°
S	6	207	10	23- 3	48	4- 7	5- 3	4- 8	5- 5	1- 0	1- 0	0-11	1- 4	76°	75°
S	8	208	16	17-10	50	17-10									
S	8	209	6	11- 0	44	11- 0									
S	8	210	6	3-10	34	3-10									
S	8	211	6	4- 0	44	4- 0									
S	8	212	6	10-10	34	10-10									
S	14	213	96	17-10	50	17-10									
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	28	6- 5	15	4- 7	1- 0	1- 0						76°	76°

TOTAL WEIGHT = 18534

CABLE STAYED EDGE GIRDER - SEGMENT B14

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
S	8	208	18	17-10	50	17-10									
S	8	209	6	7- 4	44	7- 4									
S	8	210	6	8-11	34	8-11									
S	8	211	6	4- 5	44	4- 5									
S	8	212	6	11-10	34	11-10									
S	14	213	92	17-10	50	17-10									
S	6	243	16	21- 0	47	4- 7	5- 3	4- 8	5- 4					76°	76°
S	6	249	1	23- 2	48	4- 7	5- 3	4- 8	5- 4	1- 0	1- 0	0-11	1- 4	76°	76°
S	6	253	1	23- 9	48	4- 8	5- 4	4- 7	5- 3	1- 0	1- 0	1- 5	1- 5	76°	76°
S	6	264	16	20-10	47	4- 7	5- 3	4- 7	5- 3					76°	76°
S	6	265	1	22-11	48	4- 7	5- 3	4- 7	5- 3	1- 0	1- 0	0-11	1- 4	76°	77°
S	6	266	1	23- 7	48	4- 7	5- 3	4- 7	5- 3	1- 0	1- 0	1- 5	1- 5	77°	76°
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	8	6- 5	15	4- 7	1- 0	1- 0						76°	76°

TOTAL WEIGHT = 15171

CABLE STAYED EDGE GIRDER - SEGMENT B15

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
S	8	208	18	17-10	50	17-10									
S	8	209	6	8- 1	44	8- 1									
S	8	210	6	8- 1	34	8- 1									
S	8	211	6	4- 5	44	4- 5									
S	8	212	6	11- 9	34	11- 9									
S	14	213	92	17-10	50	17-10									
S	6	243	15	21- 0	47	4- 7	5- 3	4- 8	5- 4					76°	76°
S	6	249	2	23- 2	48	4- 7	5- 3	4- 8	5- 4	1- 0	1- 0	0-11	1- 4	76°	76°
S	6	253	1	23- 9	48	4- 8	5- 4	4- 7	5- 3	1- 0	1- 0	1- 5	1- 5	76°	76°
S	6	264	15	20-10	47	4- 7	5- 3	4- 7	5- 3					76°	76°
S	6	265	2	22-11	48	4- 7	5- 3	4- 7	5- 3	1- 0	1- 0	0-11	1- 4	76°	77°
S	6	266	1	23- 7	48	4- 7	5- 3	4- 7	5- 3	1- 0	1- 0	1- 5	1- 5	77°	76°
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	10	6- 5	15	4- 7	1- 0	1- 0						76°	76°

TOTAL WEIGHT = 15194

CABLE STAYED EDGE GIRDER - SEGMENT B16

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
S	8	208	16	17-10	50	17-10									
S	8	209	6	8- 7	44	8- 7									
S	8	210	6	7- 4	34	7- 4									
S	8	211	6	4- 4	44	4- 4									
S	8	212	6	11- 7	34	11- 7									
S	14	213	92	17-10	50	17-10									
S	6	243	14	21- 0	47	4- 7	5- 3	4- 8	5- 4					76°	76°
S	6	249	2	23- 2	48	4- 7	5- 3	4- 8	5- 4	1- 0	1- 0	0-11	1- 4	76°	76°
S	6	253	2	23- 9	48	4- 8	5- 4	4- 7	5- 3	1- 0	1- 0	1- 5	1- 5	76°	76°
S	6	264	14	20-10	47	4- 7	5- 3	4- 7	5- 3					76°	76°
S	6	265	2	22-11	48	4- 7	5- 3	4- 7	5- 3	1- 0	1- 0	0-11	1- 4	76°	77°
S	6	266	2	23- 7	48	4- 7	5- 3	4- 7	5- 3	1- 0	1- 0	1- 5	1- 5	77°	76°
S	4	267	2	19- 5	34	19- 5									
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	16	6- 5	15	4- 7	1- 0	1- 0						76°	76°

TOTAL WEIGHT = 15183

CABLE STAYED EDGE GIRDER - SEGMENT B17

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
S	8	208	16	17-10	50	17-10									
S	8	209	6	9- 1	44	9- 1									
S	8	210	6	6- 9	34	6- 9									
S	8	211	6	4- 4	44	4- 4									
S	8	212	6	11- 6	34	11- 6									
S	14	213	94	17-10	50	17-10									
S	6	237	14	20- 9	47	4- 7	5- 3	4- 7	5- 2					77°	76°
S	6	238	36	7- 1	15	5- 3	1- 0	1- 0						104°	104°
S	6	243	14	21- 1	47	4- 7	5- 3	4- 8	5- 4					76°	76°
S	6	247	2	22-11	48	4- 7	5- 3	4- 7	5- 2	1- 0	1- 0	0-11	1- 4	76°	77°
S	6	249	2	23- 2	48	4- 7	5- 3	4- 8	5- 4	1- 0	1- 0	0-11	1- 4	76°	76°
S	6	251	2	23- 6	48	4- 7	5- 2	4- 7	5- 3	1- 0	1- 0	1- 5	1- 5	77°	76°
S	6	253	2	23- 9	48	4- 8	5- 4	4- 7	5- 3	1- 0	1- 0	1- 5	1- 5	76°	76°
S	6	257	36	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	16	6- 5	15	4- 7	1- 0	1- 0						76°	76°
S	14	270	2	20-10	44	20-10									

TOTAL WEIGHT = 16516

NOTES

1. FOR STANDARD BAR BENDING DETAILS, SEE SHEET NOS. 14-15/243 .

2. WEIGHT GIVEN FOR INFORMATIONAL PURPOSE ONLY.

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
RJB	CER	SLS	8-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
MWL		5300916 OH / 10385 WV	

REINFORCING BAR LIST CABLE STAYED SUPERSTRUCTURE (4)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

CABLE STAYED EDGE GIRDER - SEGMENT B18

MARK PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B FT-IN	C FT-IN	D FT-IN	E FT-IN	F FT-IN	G FT-IN	H FT-IN	J FT-IN	N	PHI Φ
S	8	208	16	17-10	50	17-10									
S	8	209	6	9- 6	44	9- 6									
S	8	210	6	6- 3	34	6- 3									
S	8	211	6	4- 4	44	4- 4									
S	8	212	6	11- 5	34	11- 5									
S	14	213	96	17-10	50	17-10									
S	6	237	14	20- 9	47	4- 7	5- 3	4- 7	5- 2					77°	76°
S	6	238	36	7- 1	15	5- 3	1- 0	1- 0						104°	104°
S	6	243	14	21- 1	47	4- 7	5- 3	4- 8	5- 4					76°	76°
S	6	247	2	22-11	48	4- 7	5- 3	4- 7	5- 2	1- 0	1- 0	0-11	1- 4	76°	77°
S	6	249	2	23- 2	48	4- 7	5- 3	4- 8	5- 4	1- 0	1- 0	0-11	1- 4	76°	76°
S	6	251	2	23- 6	48	4- 7	5- 2	4- 7	5- 3	1- 0	1- 0	1- 5	1- 5	77°	76°
S	6	253	2	23- 9	48	4- 8	5- 4	4- 7	5- 3	1- 0	1- 0	1- 5	1- 5	76°	76°
S	6	257	36	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	16	6- 5	15	4- 7	1- 0	1- 0						76°	76°

TOTAL WEIGHT = 16468

CABLE STAYED EDGE GIRDER - SEGMENT B19

MARK PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B FT-IN	C FT-IN	D FT-IN	E FT-IN	F FT-IN	G FT-IN	H FT-IN	J FT-IN	N	PHI Φ
S	8	208	16	17-10	50	17-10									
S	8	209	6	9-11	44	9-11									
S	8	210	6	5- 9	34	5- 9									
S	8	211	6	4- 4	44	4- 4									
S	8	212	6	11- 4	34	11- 4									
S	14	213	96	17-10	50	17-10									
S	6	237	14	20- 9	47	4- 7	5- 3	4- 7	5- 2					77°	76°
S	6	238	36	7- 1	15	5- 3	1- 0	1- 0						104°	104°
S	6	243	14	21- 1	47	4- 7	5- 3	4- 8	5- 4					76°	76°
S	6	247	2	22-11	48	4- 7	5- 3	4- 7	5- 2	1- 0	1- 0	0-11	1- 4	76°	77°
S	6	249	2	23- 2	48	4- 7	5- 3	4- 8	5- 4	1- 0	1- 0	0-11	1- 4	76°	76°
S	6	251	2	23- 6	48	4- 7	5- 2	4- 7	5- 3	1- 0	1- 0	1- 5	1- 5	77°	76°
S	6	253	2	23- 9	48	4- 8	5- 4	4- 7	5- 3	1- 0	1- 0	1- 5	1- 5	76°	76°
S	6	257	36	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	16	6- 5	15	4- 7	1- 0	1- 0						76°	76°

TOTAL WEIGHT = 16465

CABLE STAYED EDGE GIRDER - SEGMENT B20

MARK PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B FT-IN	C FT-IN	D FT-IN	E FT-IN	F FT-IN	G FT-IN	H FT-IN	J FT-IN	N	PHI Φ
S	8	208	16	17-10	50	17-10									
S	8	209	6	10- 3	44	10- 3									
S	8	210	6	5- 4	34	5- 4									
S	8	211	6	4- 3	44	4- 3									
S	8	212	6	11- 4	34	11- 4									
S	14	213	96	17-10	50	17-10									
S	6	234	14	20- 8	47	4- 7	5- 3	4- 7	5- 1					78°	76°
S	6	235	36	7- 0	15	5- 2	1- 0	1- 0						104°	104°
S	6	243	14	21- 1	47	4- 7	5- 3	4- 8	5- 4					76°	76°
S	6	246	2	22-10	48	4- 7	5- 3	4- 7	5- 1	1- 0	1- 0	0-11	1- 4	76°	78°
S	6	249	2	23- 2	48	4- 7	5- 3	4- 8	5- 4	1- 0	1- 0	0-11	1- 4	76°	76°
S	6	250	2	23- 5	48	4- 7	5- 1	4- 7	5- 3	1- 0	1- 0	1- 5	1- 5	78°	76°
S	6	253	2	23- 9	48	4- 8	5- 4	4- 7	5- 3	1- 0	1- 0	1- 5	1- 5	76°	76°
S	6	257	36	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	16	6- 5	15	4- 7	1- 0	1- 0						76°	76°

TOTAL WEIGHT = 16456

CABLE STAYED EDGE GIRDER - SEGMENT B21

MARK PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B FT-IN	C FT-IN	D FT-IN	E FT-IN	F FT-IN	G FT-IN	H FT-IN	J FT-IN	N	PHI Φ
S	8	208	16	17-10	50	17-10									
S	8	209	6	10- 7	44	10- 7									
S	8	210	6	5- 0	34	5- 0									
S	8	211	6	4- 3	44	4- 3									
S	8	212	6	11- 3	34	11- 3									
S	14	213	96	17-10	50	17-10									
S	6	234	14	20- 8	47	4- 7	5- 3	4- 7	5- 1					78°	76°
S	6	235	36	7- 0	15	5- 2	1- 0	1- 0						104°	104°
S	6	243	14	21- 1	47	4- 7	5- 3	4- 8	5- 4					76°	76°
S	6	246	2	22-10	48	4- 7	5- 3	4- 7	5- 1	1- 0	1- 0	0-11	1- 4	76°	78°
S	6	249	2	23- 2	48	4- 7	5- 3	4- 8	5- 4	1- 0	1- 0	0-11	1- 4	76°	76°
S	6	250	2	23- 5	48	4- 7	5- 1	4- 7	5- 3	1- 0	1- 0	1- 5	1- 5	78°	76°
S	6	253	2	23- 9	48	4- 8	5- 4	4- 7	5- 3	1- 0	1- 0	1- 5	1- 5	76°	76°
S	6	257	36	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	16	6- 5	15	4- 7	1- 0	1- 0						76°	76°

TOTAL WEIGHT = 16454

CABLE STAYED EDGE GIRDER - SEGMENT B22

MARK PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B FT-IN	C FT-IN	D FT-IN	E FT-IN	F FT-IN	G FT-IN	H FT-IN	J FT-IN	N	PHI Φ
S	8	208	16	17-10	50	17-10									
S	8	209	6	10-10	44	10-10									
S	8	210	6	4- 8	34	4- 8									
S	8	211	6	4- 3	44	4- 3									
S	8	212	6	11- 2	34	11- 2									
S	14	213	96	17-10	50	17-10									
S	6	234	14	20- 8	47	4- 7	5- 3	4- 7	5- 1					78°	76°
S	6	235	36	7- 0	15	5- 2	1- 0	1- 0						104°	104°
S	6	243	14	21- 1	47	4- 7	5- 3	4- 8	5- 4					76°	76°
S	6	246	2	22-10	48	4- 7	5- 3	4- 7	5- 1	1- 0	1- 0	0-11	1- 4	76°	78°
S	6	249	2	23- 2	48	4- 7	5- 3	4- 8	5- 4	1- 0	1- 0	0-11	1- 4	76°	76°
S	6	250	2	23- 5	48	4- 7	5- 1	4- 7	5- 3	1- 0	1- 0	1- 5	1- 5	78°	76°
S	6	253	2	23- 9	48	4- 8	5- 4	4- 7	5- 3	1- 0	1- 0	1- 5	1- 5	76°	76°
S	6	257	36	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	16	6- 5	15	4- 7	1- 0	1- 0						76°	76°

TOTAL WEIGHT = 16452

CABLE STAYED EDGE GIRDER - SEGMENT B23

MARK PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B FT-IN	C FT-IN	D FT-IN	E FT-IN	F FT-IN	G FT-IN	H FT-IN	J FT-IN	N	PHI Φ
S	8	208	16	17-10	50	17-10									
S	8	209	6	10-10	44	10-10									
S	8	210	6	4- 2	34	4- 2									
S	8	211	6	4- 0	44	4- 0									
S	8	212	6	10-11	34	10-11									
S	14	213	96	17-10	50	17-10									
S	6	234	26	20- 8	47	4- 7	5- 3	4- 7	5- 1					78°	76°
S	6	235	72	7- 0	15	5- 2	1- 0	1- 0						104°	104°
S	6	243	26	21- 1	47	4- 7	5- 3	4- 8	5- 4					76°	76°
S	6	246	5	22-10	48	4- 7	5- 3	4- 7	5- 1	1- 0	1- 0	0-11	1- 4	76°	78°
S	6	249	5	23- 2	48	4- 7	5- 3	4- 8	5- 4	1- 0	1- 0	0-11	1- 4	76°	76°
S	6	250	5	23- 5	48	4- 7	5- 1	4- 7	5- 3	1- 0	1- 0	1- 5	1- 5	78°	76°
S	6	253	5	23- 9	48	4- 8	5- 4	4- 7	5- 3	1- 0	1- 0	1- 5	1- 5	76°	76°
S	6	257	72	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	28	6- 5	15	4- 7	1- 0	1- 0						76°	76°

TOTAL WEIGHT = 18490

NOTES

1. FOR STANDARD BAR BENDING DETAILS, SEE SHEET NOS. 14-15/243 .
2. WEIGHT GIVEN FOR INFORMATIONAL PURPOSE ONLY.

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED RJB | CHECKED MWL | DRAWN CER | REVISED | REVIEWED SLS | DATE 8-02 | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

REINFORCING BAR LIST CABLE STAYED SUPERSTRUCTURE (5)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

217/243

547/582

5/16/2006 7:27:58 AM

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CABLE STAYED EDGE GIRDER - SEGMENT B24

MARK PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B FT-IN	C FT-IN	D FT-IN	E FT-IN	F FT-IN	G FT-IN	H FT-IN	J FT-IN	N	PHI Φ
S	8	208	16	17-10	50	17-10									
S	8	209	6	11- 0	44	11-00									
S	8	210	6	3-10	34	3-10									
S	8	211	6	4- 0	44	4- 0									
S	8	212	6	10-10	34	10-10									
S	14	213	96	17-10	50	17-10									
S	6	234	26	20- 8	47	4- 7	5- 3	4- 7	5- 1					78°	76°
S	6	235	72	7- 0	15	5- 2	1- 0	1- 0						104°	104°
S	6	243	26	21- 1	47	4- 7	5- 3	4- 8	5- 4					76°	76°
S	6	246	5	22-10	48	4- 7	5- 3	4- 7	5- 1	1- 0	1- 0	0-11	1- 4	76°	78°
S	6	249	5	23- 2	48	4- 7	5- 3	4- 8	5- 4	1- 0	1- 0	0-11	1- 4	76°	76°
S	6	250	5	23- 5	48	4- 7	5- 1	4- 7	5- 3	1- 0	1- 0	1- 5	1- 5	78°	76°
S	6	253	5	23- 9	48	4- 8	5- 4	4- 7	5- 3	1- 0	1- 0	1- 5	1- 5	76°	76°
S	6	257	72	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	28	6- 5	15	4- 7	1- 0	1- 0						76°	76°

TOTAL WEIGHT = 18486

CABLE STAYED EDGE GIRDER - WV PIER TABLE

MARK PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B FT-IN	C FT-IN	D FT-IN	E FT-IN	F FT-IN	G FT-IN	H FT-IN	J FT-IN	N	PHI Φ
S	6	201	132	21- 2	47	4- 7	5- 3	4- 8	5- 5					76°	75°
S	6	202	24	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	6	204	4	5-10	49	2-10	1- 0	1- 5	1- 0					104°	76°
S	6	205	4	13-10	51	1- 5	5- 5	4- 8	1- 3	1- 0	1- 0	0- 0	0- 0	75°	76°
S	6	206	20	19-10	51	4- 7	5- 5	4- 8	1- 3	1- 0	2-10	1- 0	- 0	75°	76°
S	6	207	4	23- 3	48	4- 7	5- 3	4- 8	5- 5	1- 0	1- 0	0-11	1- 4	76°	75°
S	8	209	12	6- 6	44	6- 6									
S	8	210	6	30- 1	34	30- 1									
S	8	211	12	4- 5	44	4- 5									
S	8	212	6	32- 2	34	32- 2									
S	8	214	4	2-10	44	2-10									
S	8	215	4	15- 0	1	15- 0									
S	8	216	2	13- 8	34	13- 8									
S	8	217	2	19- 7	44	19- 7									
S	14	220	56	44- 0	56	44- 0									
S	14	221	36	48- 0	56	48- 0									
S	8	222	10	48- 0	56	48- 0									
S	8	223	6	44- 0	56	44- 0									
S	14	224	92	38- 0	50	38- 0									
S	8	225	16	38- 0	50	38- 0									
S	4	268	8	7- 5	11	1- 9	2-11	2-11							
S	6	269	16	6- 5	15	4- 7	1- 0	1- 0						76°	76°
S	8	273	6	38- 3	44	38- 3									
S	8	274	6	36- 2	44	36- 2									
S	4	280	32	4- 2	1	4- 2									
S	4	281	48	2- 5	1	2- 5									

TOTAL WEIGHT = 70999

CABLE STAYED EDGE GIRDER - MAINSPAN CLOSURE

MARK PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B FT-IN	C FT-IN	D FT-IN	E FT-IN	F FT-IN	G FT-IN	H FT-IN	J FT-IN	N	PHI Φ
S	6	201	24	21- 2	47	4- 7	5- 3	4- 8	5- 5					76°	75°
S	6	202	24	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	14	230	56	10- 0	52	10- 0									
S	8	231	20	10- 0	52	10- 0									
S	14	232	52	6- 0	52	6- 0									
S	8	233	6	6- 0	52	6- 0									

TOTAL WEIGHT = 8322

CABLE STAYED EDGE GIRDER - OH PIER TABLE

MARK PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B FT-IN	C FT-IN	D FT-IN	E FT-IN	F FT-IN	G FT-IN	H FT-IN	J FT-IN	N	PHI Φ
S	8	209	12	6- 7	44	6- 7									
S	8	210	6	30- 2	34	30- 2									
S	8	211	12	4- 6	44	4- 6									
S	8	212	6	32- 3	34	32- 3									
S	8	214	4	2-10	44	2-10									
S	8	215	4	15- 0	1	15- 0									
S	8	216	2	13- 6	34	13- 6									
S	8	217	2	19- 7	44	19- 7									
S	14	220	56	44- 0	56	44- 0									
S	14	221	36	48- 0	56	48- 0									
S	8	222	10	48- 0	56	48- 0									
S	8	223	6	44- 0	56	44- 0									
S	14	224	92	38- 0	50	38- 0									
S	8	225	16	38- 0	50	38- 0									
S	6	243	132	21- 1	47	4- 7	5- 3	4- 8	5- 4					76°	76°
S	6	249	4	23- 2	48	4- 7	5- 3	4- 8	5- 4	1- 0	1- 0	0-11	1- 4	76°	76°
S	6	257	24	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	6	258	20	19- 9	51	4- 7	5- 4	4- 8	1- 3	1- 0	2-10	1- 0	- 0	76°	76°
S	6	259	4	5-10	49	2-10	1- 0	1- 5	1- 0					104°	76°
S	6	260	4	13- 9	51	1- 5	5- 4	4- 8	1- 3	1- 0	1- 0	0- 0	0- 0	76°	76°
S	4	268	8	7- 5	11	1- 9	2-11	2-11							
S	6	269	16	6- 5	15	4- 7	1- 0	1- 0						76°	76°
S	8	273	6	38- 2	44	38- 2									
S	8	274	6	36- 1	44	36- 1									
S	4	280	32	4- 2	1	4- 2									
S	4	281	48	2- 5	1	2- 5									

TOTAL WEIGHT = 70984

CABLE STAYED EDGE GIRDER - SEGMENT M2

MARK PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B FT-IN	C FT-IN	D FT-IN	E FT-IN	F FT-IN	G FT-IN	H FT-IN	J FT-IN	N	PHI Φ
S	6	201	44	21- 2	47	4- 7	5- 3	4- 8	5- 5					75°	76°
S	6	202	6	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	6	204	2	5-10	49	2-10	1- 0	1- 5	1- 0					104°	76°
S	6	205	2	13-10	51	1- 5	5- 5	4- 8	1- 3	1- 0	1- 0	0- 0	0- 0	75°	76°
S	6	206	4	19-10	51	4- 7	5- 5	4- 8	1- 3	1- 0	2-10	1- 0	- 0	75°	76°
S	6	207	4	23- 3	48	4- 7	5- 3	4- 8	5- 5	1- 0	1- 0	0-11	1- 4	76°	75°
S	8	209	6	7-11	44	7-11									
S	8	210	6	17- 1	34	17- 1									
S	8	211	6	4- 6	44	4- 6									
S	8	212	6	20- 6	34	20- 6									
S	8	226	2	19- 4	34	19- 4									
S	8	227	2	3-11	44	3-11									
S	14	228	92	26- 6	50	26- 6									
S	8	229	16	26- 6	50	26- 6									
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	8	6- 5	15	4- 7	1- 0	1- 0						76°	76°
S	4	280	8	4- 2	1	4- 2									
S	4	281	12	2- 5	1	2- 5									

TOTAL WEIGHT = 22628

CABLE STAYED EDGE GIRDER - SEGMENT M3

MARK PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B FT-IN	C FT-IN	D FT-IN	E FT-IN	F FT-IN	G FT-IN	H FT-IN	J FT-IN	N	PHI Φ
S	6	201	46	21- 2	47	4- 7	5- 3	4- 8	5- 5					75°	76°
S	6	202	6	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	6	204	2	5-10	49	2-10	1- 0	1- 5	1- 0					104°	76°
S	6	205	2	13-10	51	1- 5	5- 5	4- 8	1- 3	1- 0	1- 0	0- 0	0- 0	75°	76°
S	6	206	4	19-10	51	4- 7	5- 5	4- 8	1- 3	1- 0	2-10	1- 0	- 0	75°	76°
S	6	207	2	23- 3	48	4- 7	5- 3	4- 8	5- 5	1- 0	1- 0	0-11	1- 4	76°	75°
S	8	209	6	9- 1	44	9- 1									
S	8	210	6	15-10	34	15-10									
S	8	211	6	4- 6	44	4- 6									
S	8	212	6	20- 4	34	20- 4									
S	8	226	2	19- 4	34	19- 4									
S	8	227	2	3-11	44	3-11									
S	14	228	92	26- 6	50	26- 6									
S	8	229	16	26- 6	50	26- 6									
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	12	6- 5	15	4- 7	1- 0	1- 0						76°	76°
S	4	280	8	4- 2	1	4- 2									
S	4	281	12	2- 5	1	2- 5									

TOTAL WEIGHT = 22656

NOTES

1. FOR STANDARD BAR BENDING DETAILS, SEE SHEET NOS. 14-15/243.

2. WEIGHT GIVEN FOR INFORMATIONAL PURPOSE ONLY.

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED RJB | CHECKED MWL | DRAWN CER | REVISED | REVIEWED SLS | DATE 8-02 | STRUCTURE FILE NUMBER 5300916 OH, 10385 WV

REINFORCING BAR LIST CABLE STAYED SUPERSTRUCTURE (6)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
				CABLE STAYED EDGE GIRDER - SEGMENT M4											
S	6	201	46	21- 2	47	4- 7	5- 3	4- 8	5- 5					75°	76°
S	6	202	6	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	6	204	2	5-10	49	2-10	1- 0	1- 5	1- 0					104°	76°
S	6	205	2	13-10	51	1- 5	5- 5	4- 8	1- 3	1- 0	1- 0	0- 0	0- 0	75°	76°
S	6	206	4	19-10	51	4- 7	5- 5	4- 8	1- 3	1- 0	2-10	1- 0	- 0	75°	76°
S	6	207	2	23- 3	48	4- 7	5- 3	4- 8	5- 5	1- 0	1- 0	0-11	1- 4	76°	75°
S	8	209	6	9-11	44	9-11									
S	8	210	6	14- 7	34	14- 7									
S	8	211	6	4- 5	44	4- 5									
S	8	212	6	20- 2	34	20- 2									
S	8	226	2	19- 4	34	19- 4									
S	8	227	2	3-11	44	3-11									
S	14	228	92	26- 6	50	26- 6									
S	8	229	16	26- 6	50	26- 6									
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	12	6- 5	15	4- 7	1- 0	1- 0						76°	76°
S	4	280	8	4- 2	1	4- 2									
S	4	281	12	2- 5	1	2- 5									
											TOTAL WEIGHT = 22645				

PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
				CABLE STAYED EDGE GIRDER - SEGMENT M5											
S	6	201	44	21- 2	47	4- 7	5- 3	4- 8	5- 5					75°	76°
S	6	202	6	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	6	204	2	5-10	49	2-10	1- 0	1- 5	1- 0					104°	76°
S	6	205	2	13-10	51	1- 5	5- 5	4- 8	1- 3	1- 0	1- 0	0- 0	0- 0	75°	76°
S	6	206	4	19-10	51	4- 7	5- 5	4- 8	1- 3	1- 0	2-10	1- 0	- 0	75°	76°
S	6	207	4	23- 3	48	4- 7	5- 3	4- 8	5- 5	1- 0	1- 0	0-11	1- 4	76°	75°
S	8	209	6	10- 8	44	10- 8									
S	8	210	6	13- 7	34	13- 7									
S	8	211	6	4- 3	44	4- 3									
S	8	212	6	19-11	34	19-11									
S	8	226	2	19- 4	34	19- 4									
S	8	227	2	3-11	44	3-11									
S	14	228	92	26- 6	50	26- 6									
S	8	229	16	26- 6	50	26- 6									
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	14	6- 5	15	4- 7	1- 0	1- 0						76°	76°
S	4	280	8	4- 2	1	4- 2									
S	4	281	12	2- 5	1	2- 5									
											TOTAL WEIGHT = 22660				

PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
				CABLE STAYED EDGE GIRDER - SEGMENT M6											
S	6	201	44	21- 2	47	4- 7	5- 3	4- 8	5- 5					75°	76°
S	6	202	6	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	6	204	6	5-10	49	2-10	1- 0	1- 5	1- 0					104°	76°
S	6	205	6	13-10	51	1- 5	5- 5	4- 8	1- 3	1- 0	1- 0	0- 0	0- 0	75°	76°
S	6	207	4	23- 3	48	4- 7	5- 3	4- 8	5- 5	1- 0	1- 0	0-11	1- 4	76°	75°
S	8	209	6	11- 4	44	11- 4									
S	8	210	6	12- 8	34	12- 8									
S	8	211	6	4- 3	44	4- 3									
S	8	212	6	19- 9	34	19- 9									
S	8	226	2	19- 4	34	19- 4									
S	8	227	2	3-11	44	3-11									
S	14	228	92	26- 6	50	26- 6									
S	8	229	16	26- 6	50	26- 6									
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	18	6- 5	15	4- 7	1- 0	1- 0						76°	76°
S	4	280	8	4- 2	1	4- 2									
S	4	281	12	2- 5	1	2- 5									
											TOTAL WEIGHT = 22691				

PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
				CABLE STAYED EDGE GIRDER - SEGMENT M7											
S	6	201	44	21- 2	47	4- 7	5- 3	4- 8	5- 5					75°	76°
S	6	202	6	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	6	204	6	5-10	49	2-10	1- 0	1- 5	1- 0					104°	76°
S	6	205	6	13-10	51	1- 5	5- 5	4- 8	1- 3	1- 0	1- 0	0- 0	0- 0	75°	76°
S	6	207	4	23- 3	48	4- 7	5- 3	4- 8	5- 5	1- 0	1- 0	0-11	1- 4	76°	75°
S	8	209	6	11-11	44	11-11									
S	8	210	6	11-11	34	11-11									
S	8	211	6	4- 3	44	4- 3									
S	8	212	6	19- 8	34	19- 8									
S	8	226	2	19- 4	34	19- 4									
S	8	227	2	3-11	44	3-11									
S	14	228	92	26- 6	50	26- 6									
S	8	229	16	26- 6	50	26- 6									
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	18	6- 5	15	4- 7	1- 0	1- 0						76°	76°
S	4	280	8	4- 2	1	4- 2									
S	4	281	12	2- 5	1	2- 5									
											TOTAL WEIGHT = 22687				

PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
				CABLE STAYED EDGE GIRDER - SEGMENT M8											
S	6	201	44	21- 2	47	4- 7	5- 3	4- 8	5- 5					75°	76°
S	6	202	6	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	6	204	6	5-10	49	2-10	1- 0	1- 5	1- 0					104°	76°
S	6	205	6	13-10	51	1- 5	5- 5	4- 8	1- 3	1- 0	1- 0	0- 0	0- 0	75°	76°
S	6	207	4	23- 3	48	4- 7	5- 3	4- 8	5- 5	1- 0	1- 0	0-11	1- 4	76°	75°
S	8	209	6	12- 6	44	12- 6									
S	8	210	6	11- 3	34	11- 3									
S	8	211	6	4- 2	44	4- 2									
S	8	212	6	19- 7	34	19- 7									
S	8	226	2	19- 4	34	19- 4									
S	8	227	2	3-11	44	3-11									
S	14	228	92	26- 6	50	26- 6									
S	8	229	12	26- 6	50	26- 6									
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	18	6- 5	15	4- 7	1- 0	1- 0						76°	76°
S	8	271	4	30- 1	34	30- 1									
S	4	280	8	4- 2	1	4- 2									
S	4	281	12	2- 5	1	2- 5									
											TOTAL WEIGHT = 22721				

PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
				CABLE STAYED EDGE GIRDER - SEGMENT M9											
S	6	201	44	21- 2	47	4- 7	5- 3	4- 8	5- 5					75°	76°
S	6	202	114	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	6	204	6	5-10	49	2-10	1- 0	1- 5	1- 0					104°	76°
S	6	205	6	13-10	51	1- 5	5- 5	4- 8	1- 3	1- 0	1- 0	0- 0	0- 0	75°	76°
S	6	207	4	23- 3	48	4- 7	5- 3	4- 8	5- 5	1- 0	1- 0	0-11	1- 4	76°	75°
S	8	209	6	13- 0	44	13- 0									
S	8	210	6	10- 8	34	10- 8									
S	8	211	6	4- 2	44	4- 2									
S	8	212	6	19- 5	34	19- 5									
S	8	226	2	19- 4	34	19- 4									
S	8	227	2	3-11	44	3-11									
S	14	228	104	26- 6	50	26- 6									
S	8	229	12	26- 6	50	26- 6									
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	18	6- 5	15	4- 7	1- 0	1- 0						76°	76°
S	14	272	4	29- 6	44	29- 6									
S	4	280	8	4- 2	1	4- 2									
S	4	281	12	2- 5	1	2- 5									
											TOTAL WEIGHT = 26894				

NOTES

1. FOR STANDARD BAR BENDING DETAILS, SEE SHEET NOS. 14-15/243 .
2. WEIGHT GIVEN FOR INFORMATIONAL PURPOSE ONLY.

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DESIGNED RJB | CHECKED MWL | DRAWN CER | REVISED | REVIEWED SLS | DATE 8-02
STRUCTURE FILE NUMBER 5300916 OH 10385 WV

REINFORCING BAR LIST CABLE STAYED SUPERSTRUCTURE (7)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

CABLE STAYED EDGE GIRDER - SEGMENT M10

MARK PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B FT-IN	C FT-IN	D FT-IN	E FT-IN	F FT-IN	G FT-IN	H FT-IN	J FT-IN	N	PHI Φ
S	6	201	42	21- 2	47	4- 7	5- 3	4- 8	5- 5					75°	76°
S	6	202	114	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	6	204	6	5-10	49	2-10	1- 0	1- 5	1- 0					104°	76°
S	6	205	6	13-10	51	1- 5	5- 5	4- 8	1- 3	1- 0	1- 0	0- 0	0- 0	75°	76°
S	6	207	6	23- 3	48	4- 7	5- 3	4- 8	5- 5	1- 0	1- 0	0-11	1- 4	76°	75°
S	8	209	6	13- 4	44	13- 4									
S	8	210	6	10- 0	34	10- 0									
S	8	211	6	4- 0	44	4- 0									
S	8	212	6	19- 3	34	19- 3									
S	8	226	2	19- 4	34	19- 4									
S	8	227	2	3-11	44	3-11									
S	14	228	108	26- 6	50	26- 6									
S	8	229	12	26- 6	50	26- 6									
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	20	6- 5	15	4- 7	1- 0	1- 0						76°	76°
S	4	280	8	4- 2	1	4- 2									
S	4	281	12	2- 5	1	2- 5									

TOTAL WEIGHT = 26817

CABLE STAYED EDGE GIRDER - SEGMENT M11

MARK PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B FT-IN	C FT-IN	D FT-IN	E FT-IN	F FT-IN	G FT-IN	H FT-IN	J FT-IN	N	PHI Φ
S	6	201	42	21- 2	47	4- 7	5- 3	4- 8	5- 5					75°	76°
S	6	202	114	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	6	204	6	5-10	49	2-10	1- 0	1- 5	1- 0					104°	76°
S	6	205	6	13-10	51	1- 5	5- 5	4- 8	1- 3	1- 0	1- 0	0- 0	0- 0	75°	76°
S	6	207	6	23- 3	48	4- 7	5- 3	4- 8	5- 5	1- 0	1- 0	0-11	1- 4	76°	75°
S	8	209	6	13- 8	44	13- 8									
S	8	210	6	9- 6	34	9- 6									
S	8	211	6	4- 0	44	4- 0									
S	8	212	6	19- 2	34	19- 2									
S	8	226	2	19- 4	34	19- 4									
S	8	227	2	3-11	44	3-11									
S	14	228	108	26- 6	50	26- 6									
S	8	229	12	26- 6	50	26- 6									
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	20	6- 5	15	4- 7	1- 0	1- 0						76°	76°
S	4	280	8	4- 2	1	4- 2									
S	4	281	12	2- 5	1	2- 5									

TOTAL WEIGHT = 26813

CABLE STAYED EDGE GIRDER - SEGMENT M12

MARK PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B FT-IN	C FT-IN	D FT-IN	E FT-IN	F FT-IN	G FT-IN	H FT-IN	J FT-IN	N	PHI Φ
S	6	201	42	21- 2	47	4- 7	5- 3	4- 8	5- 5					75°	76°
S	6	202	114	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	6	204	6	5-10	49	2-10	1- 0	1- 5	1- 0					104°	76°
S	6	205	6	13-10	51	1- 5	5- 5	4- 8	1- 3	1- 0	1- 0	0- 0	0- 0	75°	76°
S	6	207	6	23- 3	48	4- 7	5- 3	4- 8	5- 5	1- 0	1- 0	0-11	1- 4	76°	75°
S	8	209	6	13-11	44	13-11									
S	8	210	6	8-10	34	8-10									
S	8	211	6	3- 9	44	3- 9									
S	8	212	6	18-11	34	18-11									
S	8	226	2	19- 4	34	19- 4									
S	8	227	2	3-11	44	3-11									
S	14	228	108	26- 6	50	26- 6									
S	8	229	12	26- 6	50	26- 6									
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	20	6- 5	15	4- 7	1- 0	1- 0						76°	76°
S	4	280	8	4- 2	1	4- 2									
S	4	281	12	2- 5	1	2- 5									

TOTAL WEIGHT = 26798

CABLE STAYED EDGE GIRDER - SEGMENT M14

MARK PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B FT-IN	C FT-IN	D FT-IN	E FT-IN	F FT-IN	G FT-IN	H FT-IN	J FT-IN	N	PHI Φ
S	6	201	44	21- 2	47	4- 7	5- 3	4- 8	5- 5					75°	76°
S	6	202	6	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	6	204	2	5-10	49	2-10	1- 0	1- 5	1- 0					104°	76°
S	6	205	2	13-10	51	1- 5	5- 5	4- 8	1- 3	1- 0	1- 0	0- 0	0- 0	75°	76°
S	6	206	4	19-10	51	4- 7	5- 5	4- 8	1- 3	1- 0	2-10	1- 0	- 0	75°	76°
S	6	207	4	23- 3	48	4- 7	5- 3	4- 8	5- 5	1- 0	1- 0	0-11	1- 4	76°	75°
S	8	209	6	7-11	44	7-11									
S	8	210	6	17- 1	34	17- 1									
S	8	211	6	4- 6	44	4- 6									
S	8	212	6	20- 6	34	20- 6									
S	8	226	2	19- 4	34	19- 4									
S	8	227	2	3-11	44	3-11									
S	14	228	92	26- 6	50	26- 6									
S	8	229	16	26- 6	50	26- 6									
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	10	6- 5	15	4- 7	1- 0	1- 0						76°	76°
S	4	280	8	4- 2	1	4- 2									
S	4	281	12	2- 5	1	2- 5									

TOTAL WEIGHT = 22647

CABLE STAYED EDGE GIRDER - SEGMENT M15

MARK PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B FT-IN	C FT-IN	D FT-IN	E FT-IN	F FT-IN	G FT-IN	H FT-IN	J FT-IN	N	PHI Φ
S	6	201	46	21- 2	47	4- 7	5- 3	4- 8	5- 5					75°	76°
S	6	202	6	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	6	204	2	5-10	49	2-10	1- 0	1- 5	1- 0					104°	76°
S	6	205	2	13-10	51	1- 5	5- 5	4- 8	1- 3	1- 0	1- 0	0- 0	0- 0	75°	76°
S	6	206	4	19-10	51	4- 7	5- 5	4- 8	1- 3	1- 0	2-10	1- 0	- 0	75°	76°
S	6	207	2	23- 3	48	4- 7	5- 3	4- 8	5- 5	1- 0	1- 0	0-11	1- 4	76°	75°
S	8	209	6	9- 1	44	9- 1									
S	8	210	6	15-10	34	15-10									
S	8	211	6	4- 6	44	4- 6									
S	8	212	6	20- 4	34	20- 4									
S	8	226	2	19- 4	34	19- 4									
S	8	227	2	3-11	44	3-11									
S	14	228	92	26- 6	50	26- 6									
S	8	229	16	26- 6	50	26- 6									
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	12	6- 5	15	4- 7	1- 0	1- 0						76°	76°
S	4	280	8	4- 2	1	4- 2									
S	4	281	12	2- 5	1	2- 5									

TOTAL WEIGHT = 22656

CABLE STAYED EDGE GIRDER - SEGMENT M16

MARK PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B FT-IN	C FT-IN	D FT-IN	E FT-IN	F FT-IN	G FT-IN	H FT-IN	J FT-IN	N	PHI Φ
S	6	201	44	21- 2	47	4- 7	5- 3	4- 8	5- 5					75°	76°
S	6	202	6	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	6	204	4	5-10	49	2-10	1- 0	1- 5	1- 0					104°	76°
S	6	205	4	13-10	51	1- 5	5- 5	4- 8	1- 3	1- 0	1- 0	0- 0	0- 0	75°	76°
S	6	206	2	19-10	51	4- 7	5- 5	4- 8	1- 3	1- 0	2-10	1- 0	- 0	75°	76°
S	6	207	4	23- 3	48	4- 7	5- 3	4- 8	5- 5	1- 0	1- 0	0-11	1- 4	76°	75°
S	8	209	6	9-11	44	9-11									
S	8	210	6	14- 7	34	14- 7									
S	8	211	6	4- 5	44	4- 5									
S	8	212	6	20- 2	34	20- 2									
S	8	226	2	19- 4	34	19- 4									
S	8	227	2	3-11	44	3-11									
S	14	228	92	26- 6	50	26- 6									
S	8	229	16	26- 6	50	26- 6									
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	16	6- 5	15	4- 7	1- 0	1- 0						76°	76°
S	4	280	8	4- 2	1	4- 2									
S	4	281	12	2- 5	1	2- 5									

TOTAL WEIGHT = 22690

NOTES

1. FOR STANDARD BAR BENDING DETAILS, SEE SHEET NOS. 14-15/243 .

2. WEIGHT GIVEN FOR INFORMATIONAL PURPOSE ONLY.

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

DATE 8-02 | REVIEWED SLS | STRUCTURE FILE NUMBER 5300916 OH 10385 WV | DRAWN CER | REVISED | DESIGNED RJB | CHECKED MWL

REINFORCING BAR LIST CABLE STAYED SUPERSTRUCTURE (8)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ

CABLE STAYED EDGE GIRDER - SEGMENT M17

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
S	6	201	44	21- 2	47	4- 7	5- 3	4- 8	5- 5					75°	76°
S	6	202	6	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	6	204	4	5-10	49	2-10	1- 0	1- 5	1- 0					104°	76°
S	6	205	4	13-10	51	1- 5	5- 5	4- 8	1- 3	1- 0	1- 0	0- 0	0- 0	75°	76°
S	6	206	2	19-10	51	4- 7	5- 5	4- 8	1- 3	1- 0	2-10	1- 0	- 0	75°	76°
S	6	207	4	23- 3	48	4- 7	5- 3	4- 8	5- 5	1- 0	1- 0	0-11	1- 4	76°	75°
S	8	209	6	10- 8	44	10- 8									
S	8	210	6	13- 7	34	13- 7									
S	8	211	6	4- 3	44	4- 3									
S	8	212	6	19-11	34	19-11									
S	8	226	2	19- 4	34	19- 4									
S	8	227	2	3-11	44	3-11									
S	14	228	92	26- 6	50	26- 6									
S	8	229	16	26- 6	50	26- 6									
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	16	6- 5	15	4- 7	1- 0	1- 0						76°	76°
S	4	280	8	4- 2	1	4- 2									
S	4	281	12	2- 5	1	2- 5									
											TOTAL WEIGHT = 22679				

CABLE STAYED EDGE GIRDER - SEGMENT M18

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
S	6	201	44	21- 2	47	4- 7	5- 3	4- 8	5- 5					75°	76°
S	6	202	6	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	6	204	4	5-10	49	2-10	1- 0	1- 5	1- 0					104°	76°
S	6	205	4	13-10	51	1- 5	5- 5	4- 8	1- 3	1- 0	1- 0	0- 0	0- 0	75°	76°
S	6	206	2	19-10	51	4- 7	5- 5	4- 8	1- 3	1- 0	2-10	1- 0	- 0	75°	76°
S	6	207	4	23- 3	48	4- 7	5- 3	4- 8	5- 5	1- 0	1- 0	0-11	1- 4	76°	75°
S	8	209	6	11- 4	44	11- 4									
S	8	210	6	12- 8	34	12- 8									
S	8	211	6	4- 3	44	4- 3									
S	8	212	6	19- 9	34	19- 9									
S	8	226	2	19- 4	34	19- 4									
S	8	227	2	3-11	44	3-11									
S	14	228	92	26- 6	50	26- 6									
S	8	229	16	26- 6	50	26- 6									
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	16	6- 5	15	4- 7	1- 0	1- 0						76°	76°
S	4	280	8	4- 2	1	4- 2									
S	4	281	12	2- 5	1	2- 5									
											TOTAL WEIGHT = 22672				

CABLE STAYED EDGE GIRDER - SEGMENT M19

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
S	6	201	44	21- 2	47	4- 7	5- 3	4- 8	5- 5					75°	76°
S	6	202	6	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	6	204	4	5-10	49	2-10	1- 0	1- 5	1- 0					104°	76°
S	6	205	4	13-10	51	1- 5	5- 5	4- 8	1- 3	1- 0	1- 0	0- 0	0- 0	75°	76°
S	6	206	2	19-10	51	4- 7	5- 5	4- 8	1- 3	1- 0	2-10	1- 0	- 0	75°	76°
S	6	207	4	23- 3	48	4- 7	5- 3	4- 8	5- 5	1- 0	1- 0	0-11	1- 4	76°	75°
S	8	209	6	11-11	44	11-11									
S	8	210	6	12- 0	34	12- 0									
S	8	211	6	4- 3	44	4- 3									
S	8	212	6	19- 8	34	19- 8									
S	8	226	2	19- 4	34	19- 4									
S	8	227	2	3-11	44	3-11									
S	14	228	92	26- 6	50	26- 6									
S	8	229	16	26- 6	50	26- 6									
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	16	6- 5	15	4- 7	1- 0	1- 0						76°	76°
S	4	280	8	4- 2	1	4- 2									
S	4	281	12	2- 5	1	2- 5									
											TOTAL WEIGHT = 22670				

CABLE STAYED EDGE GIRDER - SEGMENT M20

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
S	6	201	42	21- 2	47	4- 7	5- 3	4- 8	5- 5					75°	76°
S	6	202	6	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	6	204	6	5-10	49	2-10	1- 0	1- 5	1- 0					104°	76°
S	6	205	6	13-10	51	1- 5	5- 5	4- 8	1- 3	1- 0	1- 0	0- 0	0- 0	75°	76°
S	6	207	6	23- 3	48	4- 7	5- 3	4- 8	5- 5	1- 0	1- 0	0-11	1- 4	76°	75°
S	8	209	6	12- 6	44	12- 6									
S	8	210	6	11- 3	34	11- 3									
S	8	211	6	4- 2	44	4- 2									
S	8	212	6	19- 6	34	19- 6									
S	8	226	2	19- 4	34	19- 4									
S	8	227	2	3-11	44	3-11									
S	14	228	92	26- 6	50	26- 6									
S	8	229	12	26- 6	50	26- 6									
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	20	6- 5	15	4- 7	1- 0	1- 0						76°	76°
S	8	271	4	30- 1	34	30- 1									
S	4	280	8	4- 2	1	4- 2									
S	4	281	12	2- 5	1	2- 5									
											TOTAL WEIGHT = 22746				

CABLE STAYED EDGE GIRDER - SEGMENT M21

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
S	6	201	44	21- 2	47	4- 7	5- 3	4- 8	5- 5					75°	76°
S	6	202	114	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	6	204	6	5-10	49	2-10	1- 0	1- 5	1- 0					104°	76°
S	6	205	6	13-10	51	1- 5	5- 5	4- 8	1- 3	1- 0	1- 0	0- 0	0- 0	75°	76°
S	6	207	4	23- 3	48	4- 7	5- 3	4- 8	5- 5	1- 0	1- 0	0-11	1- 4	76°	75°
S	8	209	6	13- 0	44	13- 0									
S	8	210	6	10- 7	34	10- 7									
S	8	211	6	4- 2	44	4- 2									
S	8	212	6	19- 5	34	19- 5									
S	8	226	2	19- 4	34	19- 4									
S	8	227	2	3-11	44	3-11									
S	14	228	104	26- 6	50	26- 6									
S	8	229	12	26- 6	50	26- 6									
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	18	6- 5	15	4- 7	1- 0	1- 0						76°	76°
S	14	272	4	29- 6	44	29- 6									
S	4	280	8	4- 2	1	4- 2									
S	4	281	12	2- 5	1	2- 5									
											TOTAL WEIGHT = 26893				

CABLE STAYED EDGE GIRDER - SEGMENT M22

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
S	6	201	42	21- 2	47	4- 7	5- 3	4- 8	5- 5					75°	76°
S	6	202	114	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	6	204	6	5-10	49	2-10	1- 0	1- 5	1- 0					104°	76°
S	6	205	6	13-10	51	1- 5	5- 5	4- 8	1- 3	1- 0	1- 0	0- 0	0- 0	75°	76°
S	6	207	6	23- 3	48	4- 7	5- 3	4- 8	5- 5	1- 0	1- 0	0-11	1- 4	76°	75°
S	8	209	6	13- 4	44	13- 4									
S	8	210	6	9-11	34	9-11									
S	8	211	6	4- 0	44	4- 0									
S	8	212	6	19- 3	34	19- 3									
S	8	226	2	19- 4	34	19- 4									
S	8	227	2	3-11	44	3-11									
S	14	228	108	26- 6	50	26- 6									
S	8	229	12	26- 6	50	26- 6									
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	20	6- 5	15	4- 7	1- 0	1- 0						76°	76°
S	4	280	8	4- 2	1	4- 2									
S	4	281	12	2- 5	1	2- 5									
											TOTAL WEIGHT = 26816				

NOTES

1. FOR STANDARD BAR BENDING DETAILS, SEE SHEET NOS. 14-15/243 .
2. WEIGHT GIVEN FOR INFORMATIONAL PURPOSE ONLY.

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

REVIEWED SLS | DATE 8-02 | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

DRAWN CER | REVISED

DESIGNED RJB | CHECKED MWL

REINFORCING BAR LIST CABLE STAYED SUPERSTRUCTURE (9)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

5/16/2006 7:27:59 AM

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CABLE STAYED EDGE GIRDER - SEGMENT M23

MARK PX	SZ	ID	NO. BARS	LENGTH FT- IN	TYPE	B FT- IN	C FT- IN	D FT- IN	E FT- IN	F FT- IN	G FT- IN	H FT- IN	J FT- IN	N	PHI Φ
S	6	201	42	21- 2	47	4- 7	5- 3	4- 8	5- 5					75°	76°
S	6	202	114	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	6	204	6	5-10	49	2-10	1- 0	1- 5	1- 0					104°	76°
S	6	205	6	13-10	51	1- 5	5- 5	4- 8	1- 3	1- 0	1- 0	0- 0	0- 0	75°	76°
S	6	207	6	23- 3	48	4- 7	5- 3	4- 8	5- 5	1- 0	1- 0	0-11	1- 4	76°	75°
S	8	209	6	13- 8	44	13- 8									
S	8	210	6	9- 5	34	9- 5									
S	8	211	6	4- 0	44	4- 0									
S	8	212	6	19- 2	34	19- 2									
S	8	226	2	19- 4	34	19- 4									
S	8	227	2	3-11	44	3-11									
S	14	228	108	26- 6	50	26- 6									
S	8	229	12	26- 6	50	26- 6									
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	20	6- 5	15	4- 7	1- 0	1- 0						76°	76°
S	4	280	8	4- 2	1	4- 2									
S	4	281	12	2- 5	1	2- 5									

TOTAL WEIGHT = 26812

CABLE STAYED EDGE GIRDER - SEGMENT M24

MARK PX	SZ	ID	NO. BARS	LENGTH FT- IN	TYPE	B FT- IN	C FT- IN	D FT- IN	E FT- IN	F FT- IN	G FT- IN	H FT- IN	J FT- IN	N	PHI Φ
S	6	201	42	21- 2	47	4- 7	5- 3	4- 8	5- 5					75°	76°
S	6	202	114	7- 2	15	5- 4	1- 0	1- 0						104°	104°
S	6	204	6	5-10	49	2-10	1- 0	1- 5	1- 0					104°	76°
S	6	205	6	13-10	51	1- 5	5- 5	4- 8	1- 3	1- 0	1- 0	0- 0	0- 0	75°	76°
S	6	207	6	23- 3	48	4- 7	5- 3	4- 8	5- 5	1- 0	1- 0	0-11	1- 4	76°	75°
S	8	209	6	13-10	44	13-10									
S	8	210	6	8- 9	34	8- 9									
S	8	211	6	3- 9	44	3- 9									
S	8	212	6	18-10	34	18-10									
S	8	226	2	19- 4	34	19- 4									
S	8	227	2	3-11	44	3-11									
S	14	228	108	26- 6	50	26- 6									
S	8	229	12	26- 6	50	26- 6									
S	4	268	4	7- 5	11	1- 9	2-11	2-11							
S	6	269	20	6- 5	15	4- 7	1- 0	1- 0						76°	76°
S	4	280	8	4- 2	1	4- 2									
S	4	281	12	2- 5	1	2- 5									

TOTAL WEIGHT = 26794

CABLE STAYED EDGE GIRDER - BOTTOM BLISTERS

MARK PX	SZ	ID	NO. BARS	LENGTH FT- IN	TYPE	B FT- IN	C FT- IN	D FT- IN	E FT- IN	F FT- IN	G FT- IN	H FT- IN	J FT- IN	N	PHI Φ
S	5	711	944	9- 0	11	2- 3	3- 6	3- 6							
S	5	712	128	11- 9	14	7-10	4- 1								97°
S	5	713	256	8- 9	14	4-10	4- 1								97°
S	5	714	320	8- 6	10	7-10	0-10								
S	5	715	528	5- 6	10	4-10	0-10								

TOTAL WEIGHT = 18632

CABLE STAYED EDGE GIRDER - PARAPET

MARK PX	SZ	ID	NO. BARS	LENGTH FT- IN	TYPE	B FT- IN	C FT- IN	D FT- IN	E FT- IN	F FT- IN	G FT- IN	H FT- IN	J FT- IN	N	PHI Φ
S	3	053	1745	4- 9	54	2- 2	0- 2	1- 2	1- 2	0- 1					
S	4	054	312	30- 0	1	30- 0									
S	5	052	1745	3- 2	23	1- 4	0- 2	1- 4							
S	4	055	117	30- 0	1	30- 0									

TOTAL WEIGHT = 17477

CABLE STAYED BALLAST - OHIO

MARK PX	SZ	ID	NO. BARS	LENGTH FT- IN	TYPE	B FT- IN	C FT- IN	D FT- IN	E FT- IN	F FT- IN	G FT- IN	H FT- IN	J FT- IN	N	PHI Φ
S	4	810	172	13- 8	11	8- 6	2- 8	2- 8							
S	4	811	86	3- 7	10	2- 8	1- 0								
S	8	812	21	52- 8	1	52- 8									
S	8	813	21	47- 3	1	47- 3									
S	8	814	21	27- 0	1	27- 0									
S	8	815	60	15- 0	1	15- 0									
S	5	816	9	49- 8	1	49- 8									
S	8	817	16	4- 0	1	4- 0									
S	4	818	88	7-11	11	2- 9	2- 8	2- 8							
S	8	819	92	2-10	44	2-10									

TOTAL WEIGHT = 13094

CABLE STAYED BALLAST - WV

MARK PX	SZ	ID	NO. BARS	LENGTH FT- IN	TYPE	B FT- IN	C FT- IN	D FT- IN	E FT- IN	F FT- IN	G FT- IN	H FT- IN	J FT- IN	N	PHI Φ
S	4	801	156	13- 8	11	8- 6	2- 8	2- 8							
S	8	802	21	45- 9	1	45- 9									
S	8	803	60	15- 0	1	15- 0									
S	8	804	32	4- 0	1	4- 0									
S	5	805	9	49- 8	1	49- 8									
S	4	806	78	3- 7	10	2- 8	1- 0								
S	8	807	21	47- 3	1	47- 3									
S	8	808	21	27- 0	1	27- 0									
S	4	809	80	7-11	11	2- 9	2- 8	2- 8							
S	8	820	92	2-10	44	2-10									

TOTAL WEIGHT = 12669

NOTES

1. FOR STANDARD BAR BENDING DETAILS, SEE SHEET NOS. 14-15/243 .
2. WEIGHT GIVEN FOR INFORMATIONAL PURPOSE ONLY.

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY (513) 651-3440
36 EAST 7TH STREET SUITE 2300 CINCINNATI, OHIO 45202

REVIEWED SLS | DATE 8-02 | STRUCTURE FILE NUMBER 5300916 OH 10385 WV
DRAWN CER | REVISED
DESIGNED RJB | CHECKED MWL

REINFORCING BAR LIST CABLE STAYED SUPERSTRUCTURE (10)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

WV DIAPHRAGM SEGMENT

MARK			NO. BARS	LENGTH		TYPE	B		C		D		E		F		G		H		J		N	PHI Φ
PX	SZ	ID		FT	IN		FT	IN	FT	IN	FT	IN	FT	IN	FT	IN	FT	IN	FT	IN	FT	IN		
S	8	501	12	40	6	12	39	3	1	4														75°
S	10	502	20	60	0	1	60	0																
S	5	503	130	15	2	11	2	5	6	6	6	6												
S	5	504	65	8	11	10	6	0	3	1														
S	5	505	66	6	8	10	6	0	0	10														
S	5	506	18	41	9	10	40	7	1	4														
S	5	507	64	3	1	44	3	1																
S	10	508	20	14	11	10	13	5	1	10														
S	8	509	12	40	6	13	34	1	5	2	1	4											75°	2°
S	6	513	24	21	1	47	4	7	5	3	4	8	5	5		0		0		0		0	75°	76°
S	6	514	24	7	2	15	5	4	1	0	1	0											104°	104°
S	6	515	24	7	2	15	5	4	1	0	1	0											104°	104°
S	8	516	16	41	9	10	40	7	1	4														
S	6	518	7	16	0	35	6	5	4	4	1	3	5	4										
S	6	519	7	17	11	49	4	4	3	1	4	6	6	5		0		0		0		0	150°	107°
S	6	520	7	14	7	35	6	5	2	11	1	3	5	4										
S	6	521	7	16	5	49	2	11	3	1	4	6	6	5		0		0		0		0	150°	106°
S	8	522	10	11	9	12	6	5	5	5														75°
S	8	523	10	14	11	13	4	5	4	2	6	5											75°	30°
S	8	524	18	8	11	10	7	9	1	4														
S	8	525	2	8	11	13	0	6	2	6	6	0											45°	45°
S	8	526	2	9	4	13	0	9	2	7	6	1											45°	45°
S	8	527	1	9	8	13	0	11	2	8	6	2											45°	45°
S	8	528	2	10	1	13	1	1	2	9	6	4											45°	45°
S	8	529	2	10	6	13	1	4	2	10	6	5											45°	45°
S	8	530	2	11	0	13	1	6	3	0	6	7											45°	45°
S	5	531	2	11	2	49	4	6	0	10	5	5	0	10		0		0		0		0	90°	150°
S	8	533	2	10	4	13	0	6	3	11	6	0											45°	45°
S	8	534	2	10	9	13	0	9	4	0	6	1											45°	45°
S	8	535	1	11	1	13	0	11	4	1	6	2											45°	45°
S	8	536	2	11	6	13	1	1	4	2	6	4											45°	45°
S	8	537	2	11	11	13	1	4	4	3	6	5											45°	45°
S	8	538	2	12	4	13	1	6	4	4	6	7											45°	45°
S	14	544	24	4	11	34	4	11																
S	14	545	24	2	11	34	2	11																
S	8	546	4	4	11	34	4	11																
S	8	547	2	2	11	34	2	11																
S	5	548	65	13	7	15	5	9	2	6	5	6											92°	92°
S	5	549	65	13	9	49	5	3	2	7	5	6	0	10		0		0		0		0	159°	112°
S	6	551	32	16	11	31	3	11	2	3	1	8	0	5	7	9	3	2						
S	8	553	10	9	9	10	8	7	1	4														
S	5	555	10	7	1	13	4	10	0	10	1	6											24°	65°
S	4	561	12	5	3	11	1	3	2	1	2	1												
S	5	562	5	6	0	11	1	3	2	6	2	6												
S	4	563	2	6	7	4	1	4	1	6														
S	11	564	16	9	2	10	7	6	2	0														
S	8	565	10	8	0	13	5	3	1	4	1	6											65°	92°
S	8	566	12	6	5	34	6	5																
S	8	567	10	4	5	34	4	5																
S	14	568	24	6	5	34	6	5																
S	14	569	24	4	5	34	4	5																
S	5	570	1	7	8	10	7	0	0	10														

TOTAL WEIGHT = 23272

OH DIAPHRAGM SEGMENT

MARK			NO. BARS	LENGTH		TYPE	B		C		D		E		F		G		H		J		N	PHI Φ
PX	SZ	ID		FT	IN		FT	IN	FT	IN	FT	IN	FT	IN	FT	IN	FT	IN	FT	IN	FT	IN		
S	8	601	24	45	2	12	43	11	1	4														76°
S	10	602	24	60	0	1	60	0																
S	5	603	156	14	4	11	2	3	6	2	6	2												
S	5	604	79	9	9	10	5	7	4	2														
S	5	605	80	6	3	10	5	7	0	10														
S	8	606	16	45	5	10	44	3	1	4														
S	5	607	70	3	2	44	3	2																
S	10	608	24	19	6	10	18	0	1	10														
S	6	610	12	20	8	47	4	7	5	3	4	7	5	1		0		0		0		0	78°	76°
S	6	611	12	7	0	15	5	2	1	0	1	0											104°	104°
S	6	612	12	7	0	15	5	2	1	0	1	0											104°	104°
S	6	613	11	21	2	47	4	7	5	3	4	8	5	6		0	0	0		0		0	74°	76°
S	6	614	11	7	2	15	5	4	1	0	1	0											104°	104°
S	6	615	11	7	2	15	5	4	1	0	1	0											104°	104°
S	8	616	14	46	5	10	45	3	1	4														
S	5	617	1	9	6	10	6	7	3	1														
S	6	618	7	18	8	49	5	3	3	1	4	6	6	4		0		0		0		0	150°	109°
S	6	619	7	16	11	15	5	3	5	6	6	4											88°	102°
S	6	620	14	18	9	15	6	3	6	4	6	4											88°	88°
S	6	621	7	12	4	15	0	7	6	5	5	6											74°	88°
S	8	622	11	11	10	12	5	6	6	5														76°
S	8	623	11	15	0	13	4	6	4	2	6	5											75°	30°
S	8	624	9	9	0	12	7	9	1	4														101°
S	8	625	2	14	10	13	0	5	8	6	6	0											45°	45°
S	8	626	2	15	4	13	0	8	8	8	6	1											45°	45°
S	8	627	1	15	10	13	0	11	8	9	6	3											45°	45°
S	8	628	2	16	3	13	1	1	8	11	6	4											45°	45°
S	8	629	2	16	8	13	1	4	9	0	6	5											45°	45°
S	8	630	2	17	2	13	1	6	9	2	6	7											45°	45°
S	5	631	2	11	2	49	4	6	0	10	5	5	0	10		0		0		0		0	90°	150°
S	5	632	7	6	4	12	5	6	0	10														74°
S	8	633	2	6	10	12	0	4	6	7														52°
S	8	634	2	7	1	12	0	7	6	7														52°
S	8	635	1	7	4	12	0	10	6	7														52°
S	8	636	2	7	7	12	1	1	6	7														52°
S	8	637	2	7	9	12	1	3	6	7														52°
S	8	638	2	8	0	12	1	6	6	7														52°
S	8	639	11	9	1	17	8	2																
S	14	640	24	3	7	34	3	7																
S	14	641	24	1	7	34	1	7																
S	8	642	2	2	8	34	2	8																
S	8	643	4	4	8	34	4	8																
S	14	644	36	6	2	34	6	2																
S	14	645	36	4	2	34	4	2																
S	8	646	14	6	2	34	6	2																
S	8	647	11	4	2	34	4	2																
S	5	648	78	11	11	13	4	2	2	6	5	4											92°	88°
S	5	649	78	12	10	49	5	0	2	7	4	10	0	10		0		0		0		0	156°	115°
S	6	650	7	14	0	49	0	7	3	1	4	6	6	4		0		0		0		0	149°	105°
S	6	651	30	17	2	31	0	5	1	7	2	4	4	0	3	3	7	10						
S	5	652	5	8	0	13	4	6	2	7	1	0											76°	30°
S	5	653	11	8	2	10	7	6	0	10														
S	8	654	10	7	11	10	7	3	0	10														
S	5	655	10	7	1	13	4	10	0	10	1	6											24°	65°
S	4	661	12	5	3	11	1	3	2	1	2	1												
S	5	662	5	6	0	11	1	3	2	6	2	6												
S	4	663	2	6	7	4	1	4	1	6														
S	8	665	10	7	7	13	4	10	1	4	1	6											65°	92°
S	11	664	16	9	0	12	7	1	2	0														92°

TOTAL WEIGHT = 30668

NOTES

1. FOR STANDARD BAR BENDING DETAILS, SEE SHEET NOS. 14-15/243.
2. WEIGHT GIVEN FOR INFORMATIONAL PURPOSE ONLY.

NUMBER	REVISION	DATE	BY
1	PIER 7 MODIFICATIONS	11-04	DLJ

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
RJB	CER	SLS	8-02
CHECKED	REVISED	STRUCTURE FILE NUMBER	
PS		5300916 OH 10385 WV	

REINFORCING BAR LIST CABLE STAYED SUPERSTRUCTURE (II)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

5/16/2006 7:27:59 AM
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CABLE STAYED FLOOR BEAM 1 (30 REQUIRED)

PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B	C	D	E	F	G	H	J	N	PHI Φ
S	8	101	3	42-11	13	15-0	14-0	14-0						2°	2°
S	5	102	6	19-3	1	19-3									
S	4	103	8	42-0	1	42-0									
S	4	104	8	29-2	1	29-2									
S	4	105	100	8-11	11	1-5	3-10	3-10							
S	4	106	80	9-9	11	1-5	4-3	4-3							
S	6	107	14	12-10	6	5-1	1-0	1-3	1-0						

TOTAL WEIGHT PER ELEMENT = 2231

CABLE STAYED FLOOR BEAM 2 - SEGMENTS B2-B12 (11 REQUIRED)

PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B	C	D	E	F	G	H	J	N	PHI Φ
S	11	107	18	60-0	1	60-0									
S	11	108	36	14-10	1	14-10									
S	11	109	18	43-6	1	43-6									
S	11	110	18	29-0	1	29-0									
S	4	111	6	40-0	1	40-0									
S	4	112	6	31-0	1	31-0									
S	4	113	260	10-9	11	3-3	3-10	3-10							
S	4	114	130	13-2	11	5-8	3-10	3-10							

TOTAL WEIGHT PER ELEMENT = 18804

CABLE STAYED FLOOR BEAM 2 - SEGMENTS B14-B15 (2 REQUIRED)

PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B	C	D	E	F	G	H	J	N	PHI Φ
S	11	107	21	60-0	1	60-0									
S	11	108	42	15-8	1	15-8									
S	11	109	21	47-2	1	47-2									
S	11	110	21	32-8	1	32-8									
S	4	111	6	43-8	1	43-8									
S	4	112	6	34-8	1	34-8									
S	4	113	260	10-9	11	3-3	3-10	3-10							
S	4	114	130	13-2	11	5-8	3-10	3-10							

TOTAL WEIGHT PER ELEMENT = 22422

CABLE STAYED FLOOR BEAM 2 - SEGMENTS B16-B18 (3 REQUIRED)

PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B	C	D	E	F	G	H	J	N	PHI Φ
S	11	107	21	60-0	1	60-0									
S	11	108	42	15-8	1	15-8									
S	11	109	21	47-2	1	47-2									
S	11	110	21	32-8	1	32-8									
S	4	111	6	43-8	1	43-8									
S	4	112	6	34-8	1	34-8									
S	4	113	264	10-9	11	3-3	3-10	3-10							
S	4	114	132	13-2	11	5-8	3-10	3-10							

TOTAL WEIGHT PER ELEMENT = 22468

CABLE STAYED FLOOR BEAM 2 - SEGMENTS B19-B20 (2 REQUIRED)

PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B	C	D	E	F	G	H	J	N	PHI Φ
S	11	107	21	60-0	1	60-0									
S	11	108	42	15-8	1	15-8									
S	11	109	21	47-2	1	47-2									
S	11	110	21	32-8	1	32-8									
S	4	111	6	43-8	1	43-8									
S	4	112	6	34-8	1	34-8									
S	4	113	268	10-9	11	3-3	3-10	3-10							
S	4	114	134	13-2	11	5-8	3-10	3-10							

TOTAL WEIGHT PER ELEMENT = 22515

CABLE STAYED FLOOR BEAM 2 - SEGMENTS B21-B22 (2 REQUIRED)

PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B	C	D	E	F	G	H	J	N	PHI Φ
S	11	107	21	60-0	1	60-0									
S	11	108	42	15-8	1	15-8									
S	11	109	21	47-2	1	47-2									
S	11	110	21	32-8	1	32-8									
S	4	111	6	43-8	1	43-8									
S	4	112	6	34-8	1	34-8									
S	4	113	272	10-9	11	3-3	3-10	3-10							
S	4	114	136	13-2	11	5-8	3-10	3-10							

TOTAL WEIGHT PER ELEMENT = 22561

CABLE STAYED FLOOR BEAM 2 - SEGMENT B23

PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B	C	D	E	F	G	H	J	N	PHI Φ
S	11	107	21	60-0	1	60-0									
S	11	108	42	15-8	1	15-8									
S	11	109	21	47-2	1	47-2									
S	11	110	21	32-8	1	32-8									
S	4	111	6	43-8	1	43-8									
S	4	112	6	34-8	1	34-8									
S	4	113	276	10-9	11	3-3	3-10	3-10							
S	4	114	138	13-2	11	5-8	3-10	3-10							

TOTAL WEIGHT = 22607

CABLE STAYED FLOOR BEAM 2 - SEGMENT 24

PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B	C	D	E	F	G	H	J	N	PHI Φ
S	11	107	21	60-0	1	60-0									
S	11	108	42	15-8	1	15-8									
S	11	109	21	47-2	1	47-2									
S	11	110	21	32-8	1	32-8									
S	4	111	6	43-8	1	43-8									
S	4	112	6	34-8	1	34-8									
S	4	113	280	10-9	11	3-3	3-10	3-10							
S	4	114	140	13-2	11	5-8	3-10	3-10							

TOTAL WEIGHT = 22654

CABLE STAYED FLOOR BEAM 3 (2 REQUIRED)

PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B	C	D	E	F	G	H	J	N	PHI Φ
S	11	107	30	60-0	1	60-0									
S	4	111	6	40-0	1	40-0									
S	4	112	6	31-0	1	31-0									
S	9	115	54	13-2	1	13-2									
S	4	116	284	10-0	11	2-6	3-10	3-10							

TOTAL WEIGHT PER ELEMENT = 14163

DECK POST-TENSIONING REINFORCEMENT (72 REQUIRED)

PX	SZ	ID	NO. BARS	LENGTH FT-IN	TYPE	B	C	D	E	F	G	H	J	N	PHI Φ
S	4	065	1	SERIES	6	SERIES	0-8	0-6	0-8						
			SETS	2-7		0-7									
			OF	TO		TO									
			4	3-7		1-1									
S	4	066	2	5-0	1	5-0									
S	4	067	2	3-10	1	3-10									
S	4	068	4	2-3	1	2-3									
S	4	069	4	2-6	1	2-6									
S	4	070	2	3-9	10	3-2	0-8								

TOTAL WEIGHT PER ELEMENT = 38

NOTES

1. FOR STANDARD BAR BENDING DETAILS, SEE SHEET NOS. 14-15/243 .

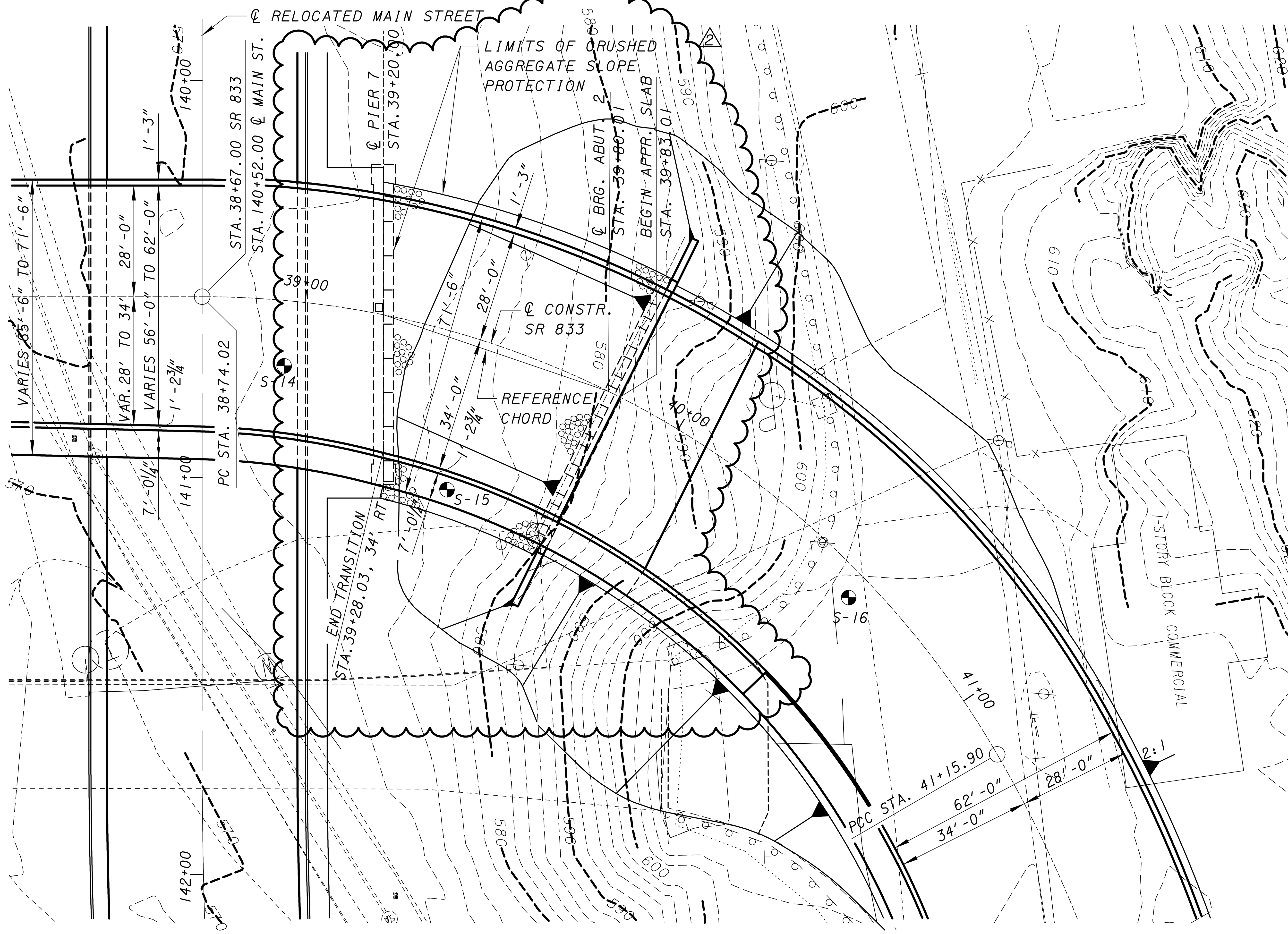
2. WEIGHT GIVEN FOR INFORMATIONAL PURPOSE ONLY.

DESIGN AGENCY
BRW HAZELET & ERDAL
A URS COMPANY
(513) 651-3440
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

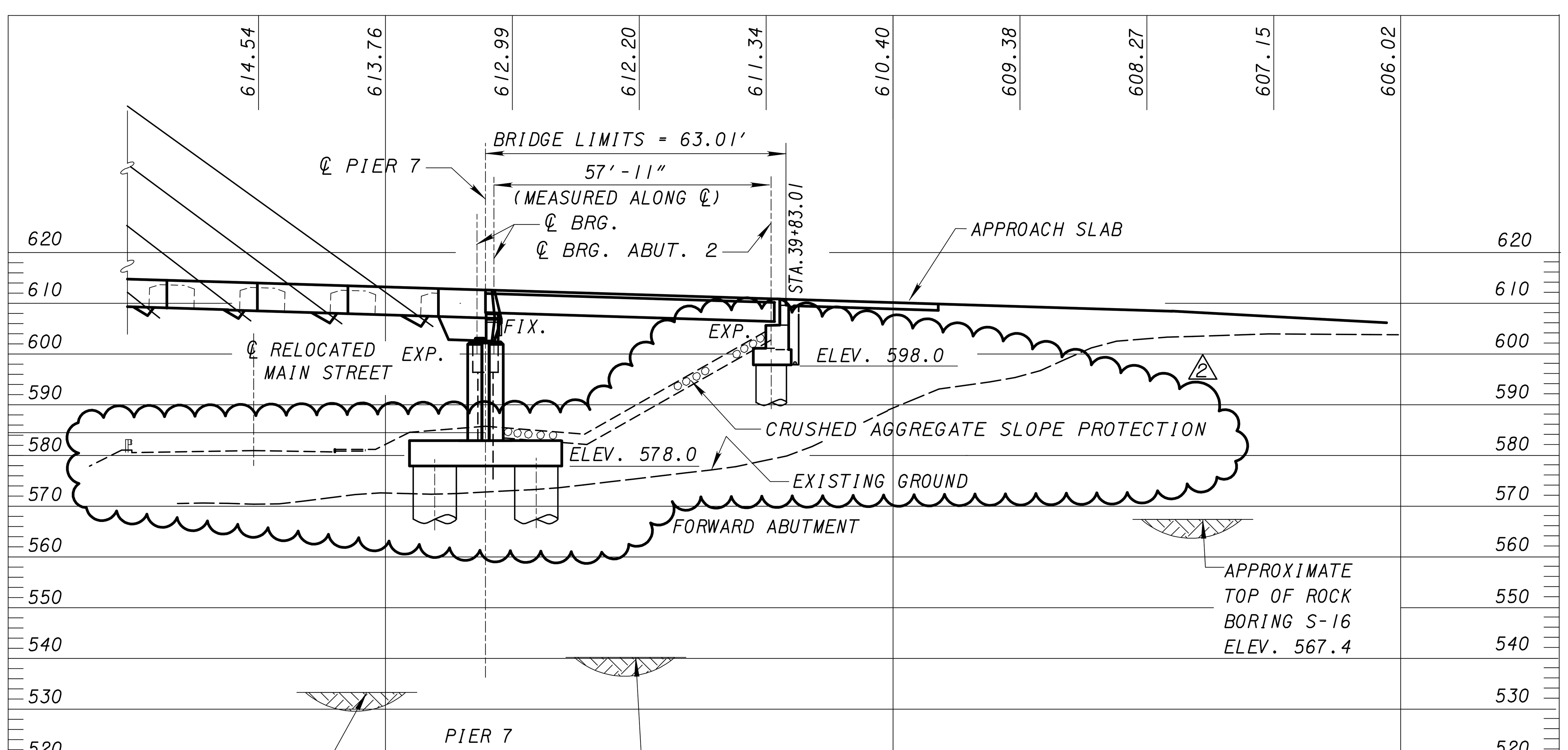
DATE 8-02
REVIEWED SLS
STRUCTURE FILE NUMBER 5300916 OH 10385 WV
DRAWN CER
REVISED
DESIGNED MWL
CHECKED PS

REINFORCING BAR LIST CABLE STAYED SUPERSTRUCTURE (12)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70



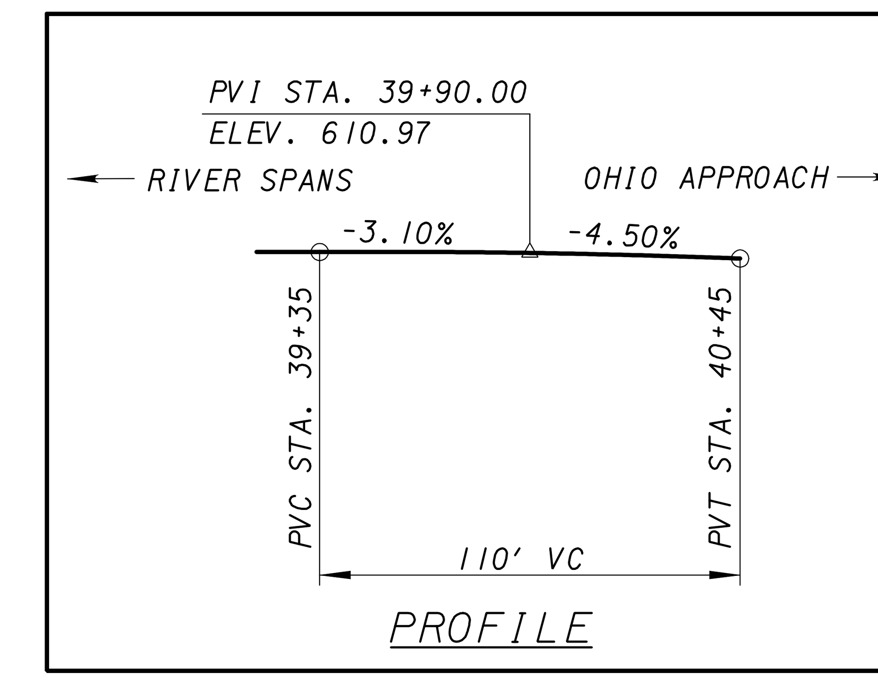
PLAN



SECTION ALONG ℄ SR 833

CURVE DATA

P.I. = 40+07.32
D = 59°51'52" (RT)
DC = 24°45'00"
R = 231.50'
T = 133.29'
L = 241.88'
E = 35.63'



PROFILE

TRAFFIC DATA

2001	2021
ADT = 11,500	ADT = 15,500
ADTT = 690	ADTT = 930

NOTES

1. EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROS SECTIONS.
2. FOR BENCHMARK, SEE SHEET 47/243.
3. FOR HYDRAULIC DATA, SEE SHEET 47/243.
4. REFERENCE CHORD IS A LINE BETWEEN ℄ OF PIER 7 AND ℄ BEARING ABUTMENT 2. FOR REFERENCE CHORD LAYOUT, SEE SHEET 226/243.

LEGEND

⊕ - BORING LOCATION

EXISTING STRUCTURE

TYPE: SIMPLE SPAN CONSISTING OF STEEL BEAMS WITH A COMPOSITE CONCRETE DECK.
SPAN: 60'-0' (C/C BEARINGS)

ROADWAY WIDTH: 20'-0" CURB TO CURB
DESIGN LOADING: UNKNOWN
SKEW ANGLE: 0°
WEARING SURFACE: MONOLITHIC CONCRETE
APPROACH SLABS: NONE
DATE BUILT:
STRUCTURE FILE NUMBER: 5300908

PROPOSED STRUCTURE

TYPE: PRESTRESSED CONCRETE I-BEAM WITH COMPOSITE CONCRETE DECK AND SPILL THRU ABUTMENT AND CONCRETE PIER.
SPAN: 57'-11" MEASURED ALONG ℄ FROM ℄ BRG. TO ℄ BRG.
ROADWAY WIDTH: 62'-0" TOE/TOE PARAPETS
SIDEWALK WIDTH: 6'-0" RIGHT SIDE
LIVE LOADING: HS25 & THE ALTERNATE MILITARY
SKEW ANGLE: VARIES, SEE REF. CHORD LAYOUT

WEARING SURFACE: MONOLITHIC CONCRETE
APPROACH SLABS: AS-1-81 (25'-0")
ALIGNMENT: CURVED, 24°45'00" Rt.
SUPERELEVATION: VARIES, 0.04'/' MAX.
LATITUDE: N 39° 00' 45"
LONGITUDE: W 82° 02' 30"

NUMBER	REVISION	DATE	BY
1	REVISED TO 1 SPAN	12/04	MJZ
2	REVISED APPROACH SPAN	5/05	MJZ

DESIGN AGENCY: URS, 36 EAST 7TH STREET, SUITE 2300, CINCINNATI, OHIO 45202

REVIEWED: JRC DATE: 12/04 STRUCTURE FILE NUMBER:
DRAWN: GJW REVISED:
DESIGNED: MJZ CHECKED:

MEIGS COUNTY
STA 21+29.75
STA 40+44.25

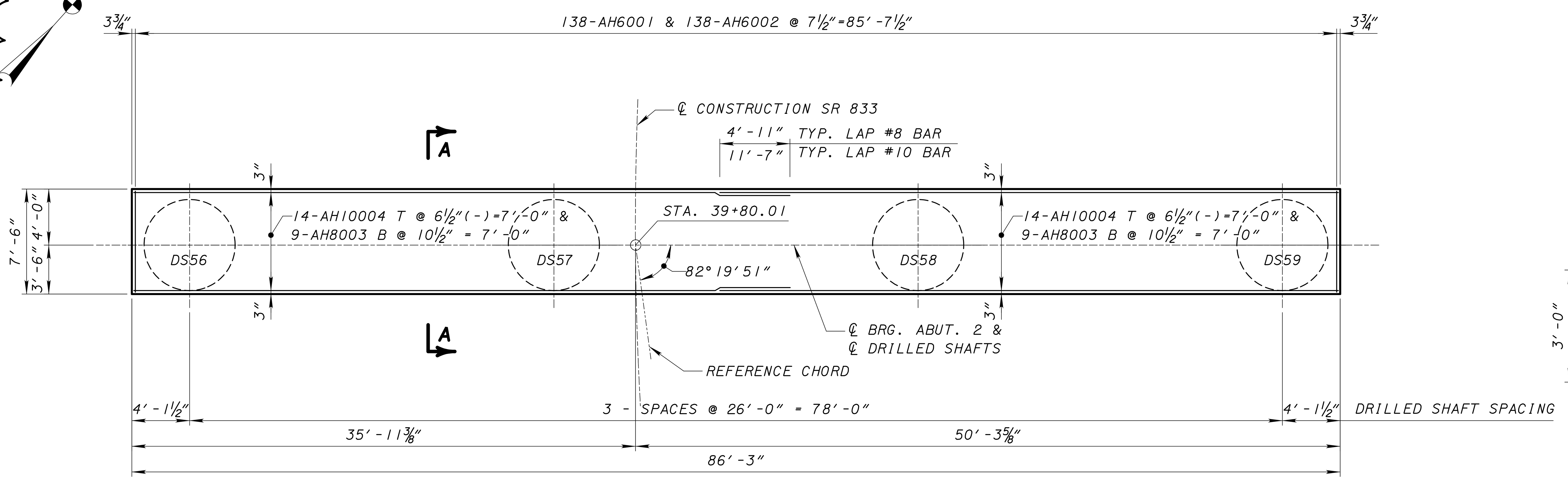
SITE PLAN OHIO APPROACH

BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER THE OHIO RIVER

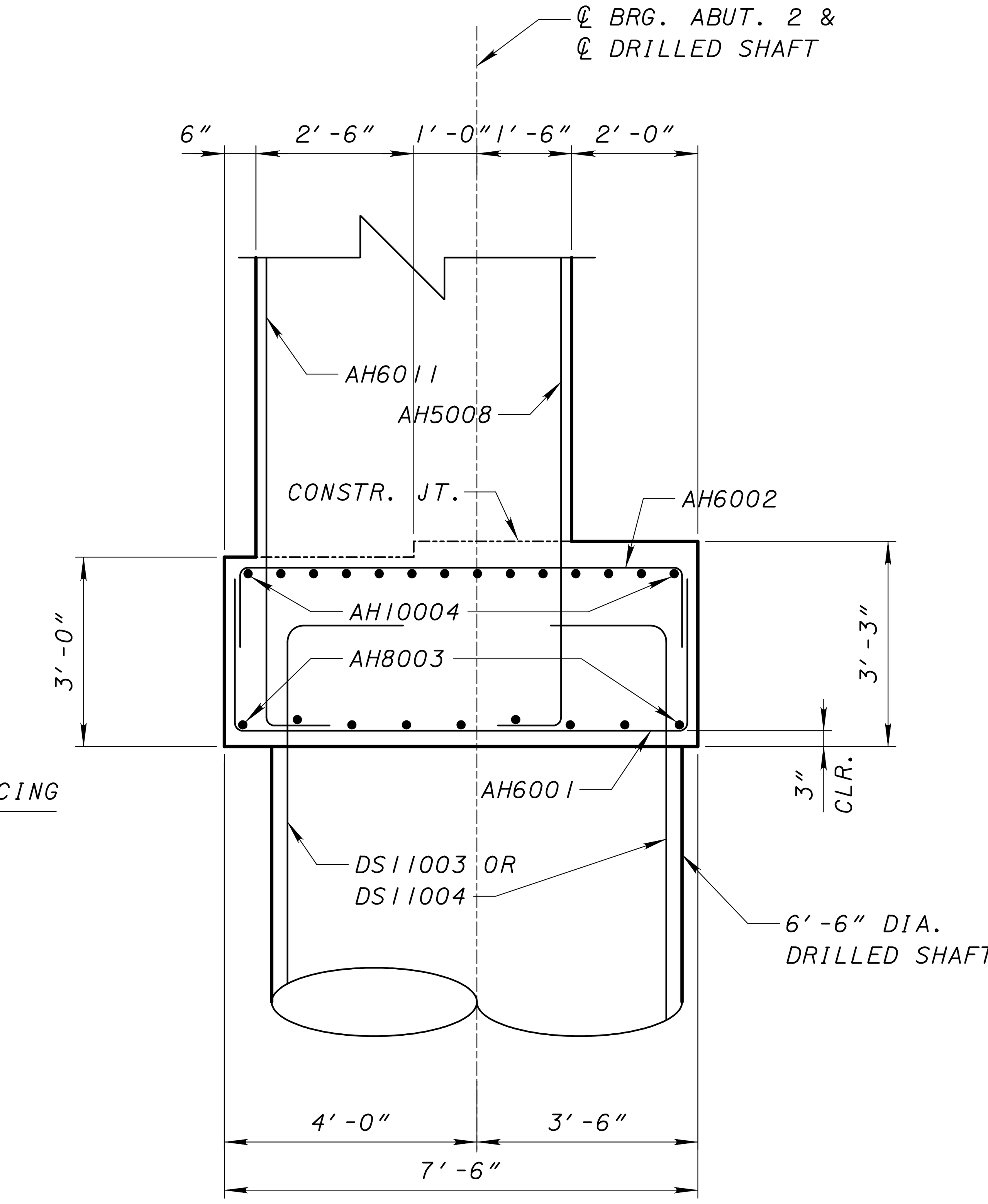
MEG-33-15.70

225/243

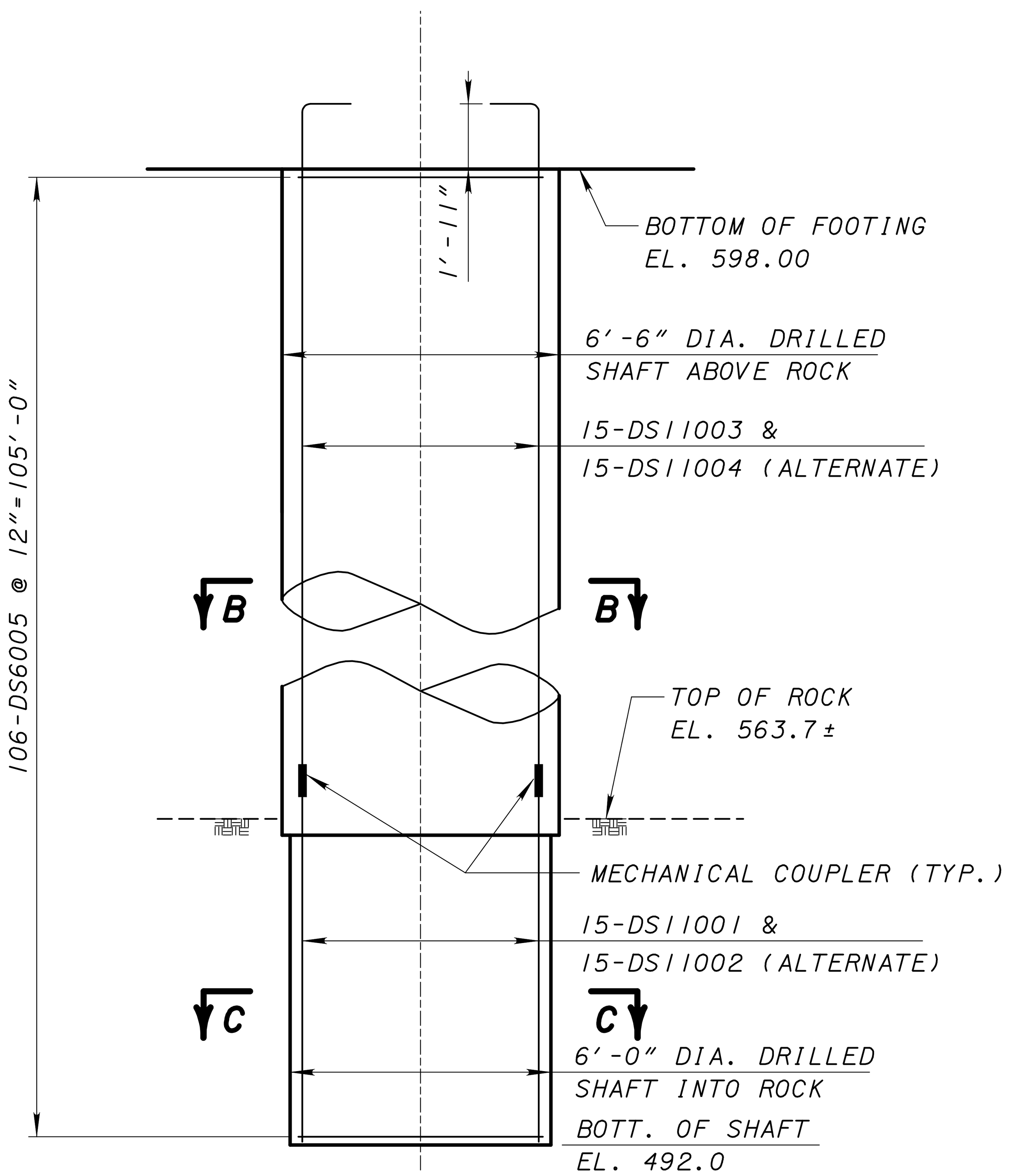
555/582



FOOTING PLAN

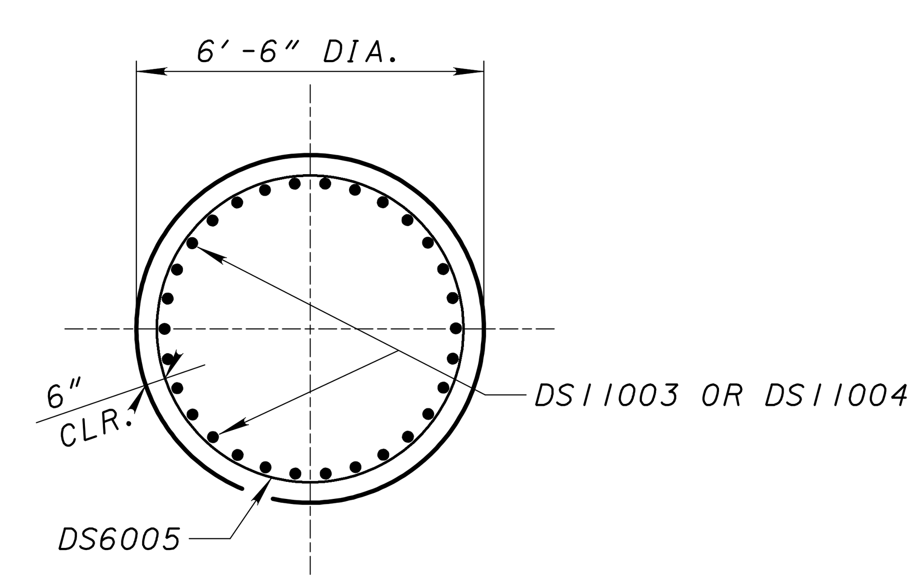


SECTION A-A

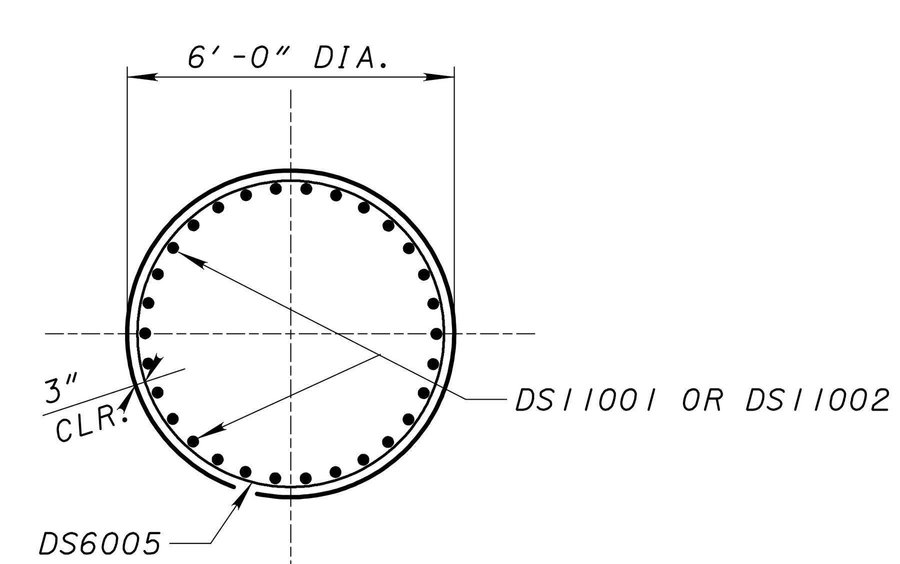


ELEVATION

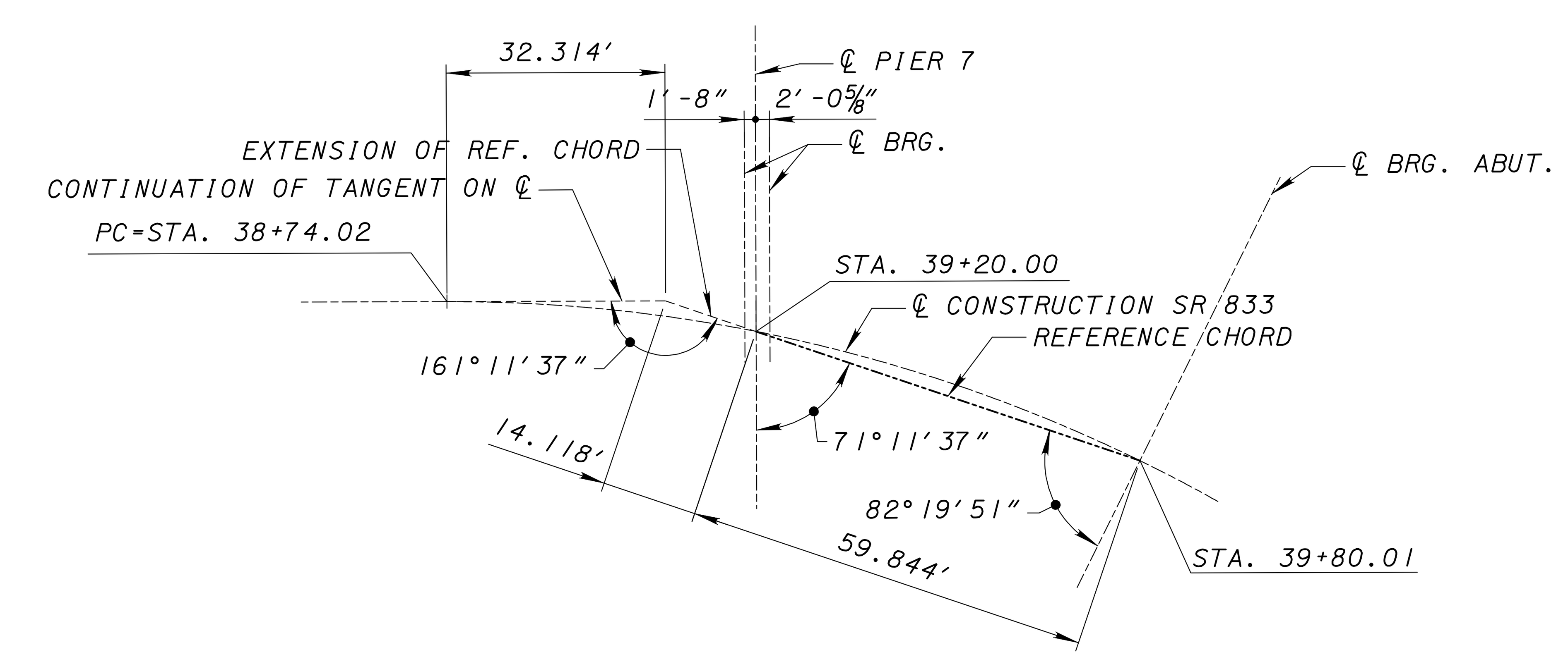
DRILLED SHAFT DETAILS



SECTION B-B



SECTION C-C



REFERENCE CHORD LAYOUT

LEGEND

T - TOP
B - BOTTOM

NOTES

1. FOR REINFORCING STEEL LIST, SEE SHEET 242/243

NUMBER	REVISION	DATE	BY
1	REVISED SHEET	12/04	MJZ

DESIGN AGENCY
URS
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

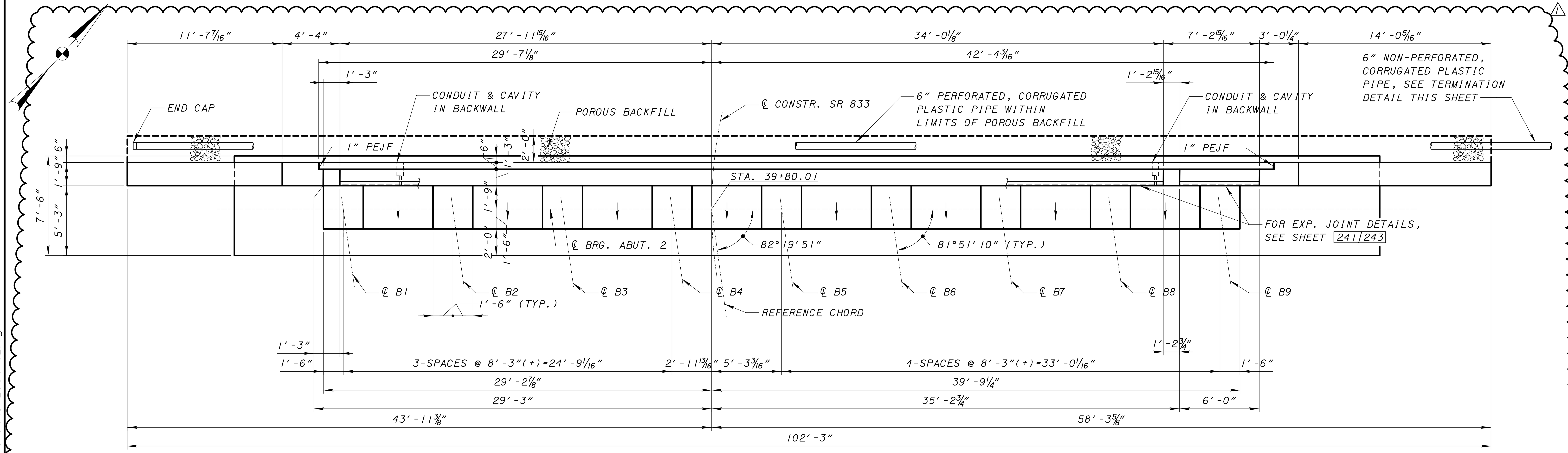
REVIEWED	DATE
JRC	12/04

STRUCTURE FILE NUMBER
5300916 OH
10385 WV

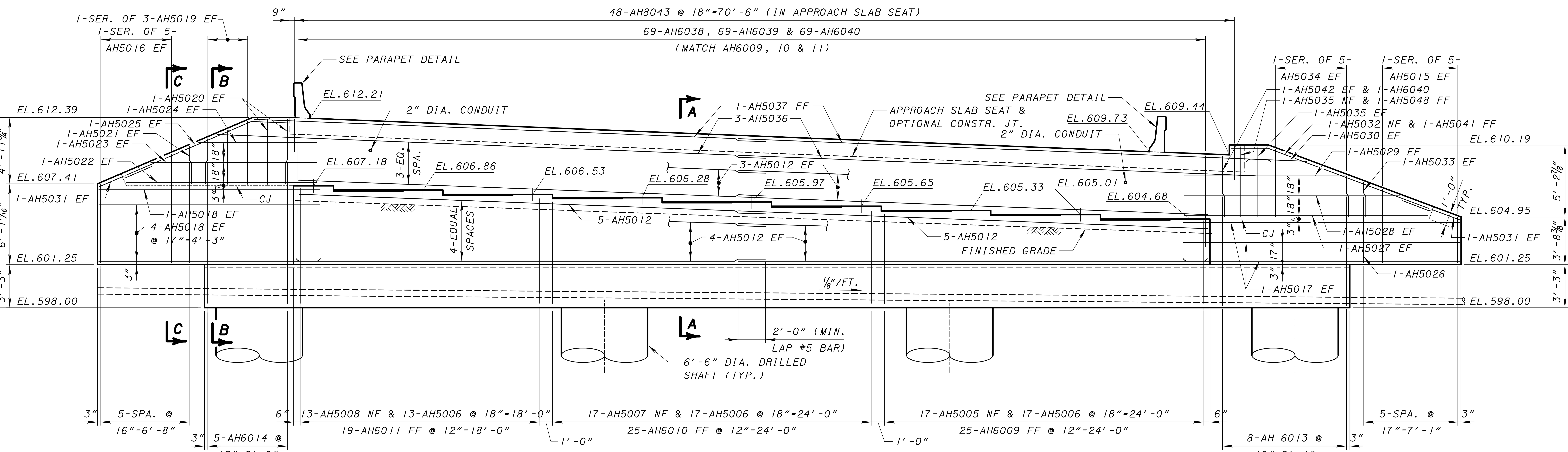
DESIGNED	DRAWN	CHECKED	REVISED
MSL	GJW	MJZ	

ABUTMENT 2 FOOTING PLAN OHIO APPROACH
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

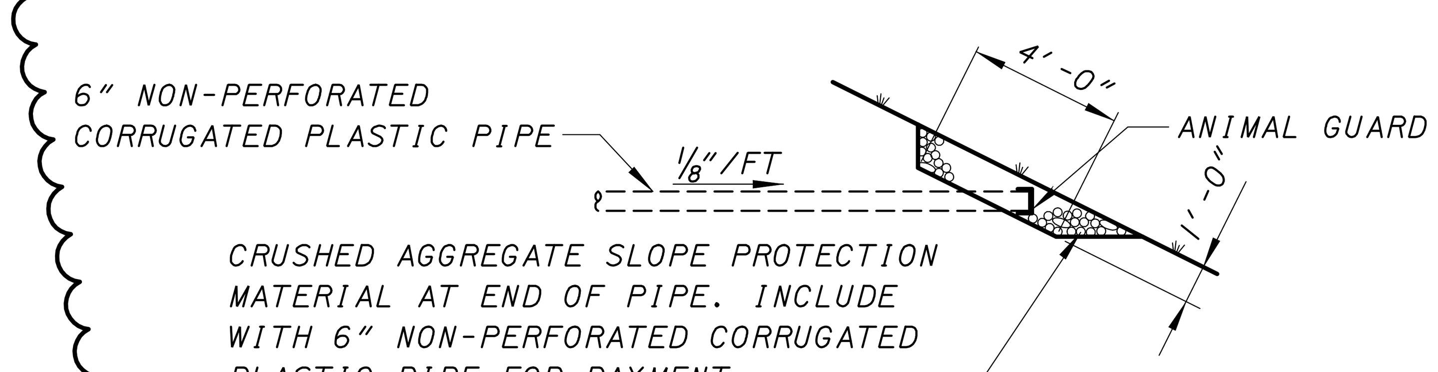
MEG-33-15.70



PLAN



ELEVATION



PLASTIC PIPE TERMINATION DETAIL

NOTES

1. FOR SECTIONS A-A THRU D-D, PARAPET DETAIL AND 2" DIA. CONDUIT DETAIL, SEE SHEET 230/243
2. FOR REINFORCING STEEL LIST, SEE SHEET 242/243

LEGEND

EF - EACH FACE
NF - NEAR FACE
FF - FAR FACE
CJ - CONSTRUCTION JOINT
PEJF - PREFORMED EXPANSION JOINT FILLER

NUMBER	REVISION	DATE	BY
1	REVISED SHEET	12/04	MJZ

DESIGN AGENCY: URS, 36 EAST 7TH STREET, SUITE 2300, CINCINNATI, OHIO 45202

DESIGNED MSL | CHECKED | DRAWN GJW | REVISED | REVIEWED JRC | DATE 12/04 | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

ABUTMENT 2 DETAILS OHIO APPROACH

BRIDGE NO. MEG-33-1570

POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

229/243

559/582

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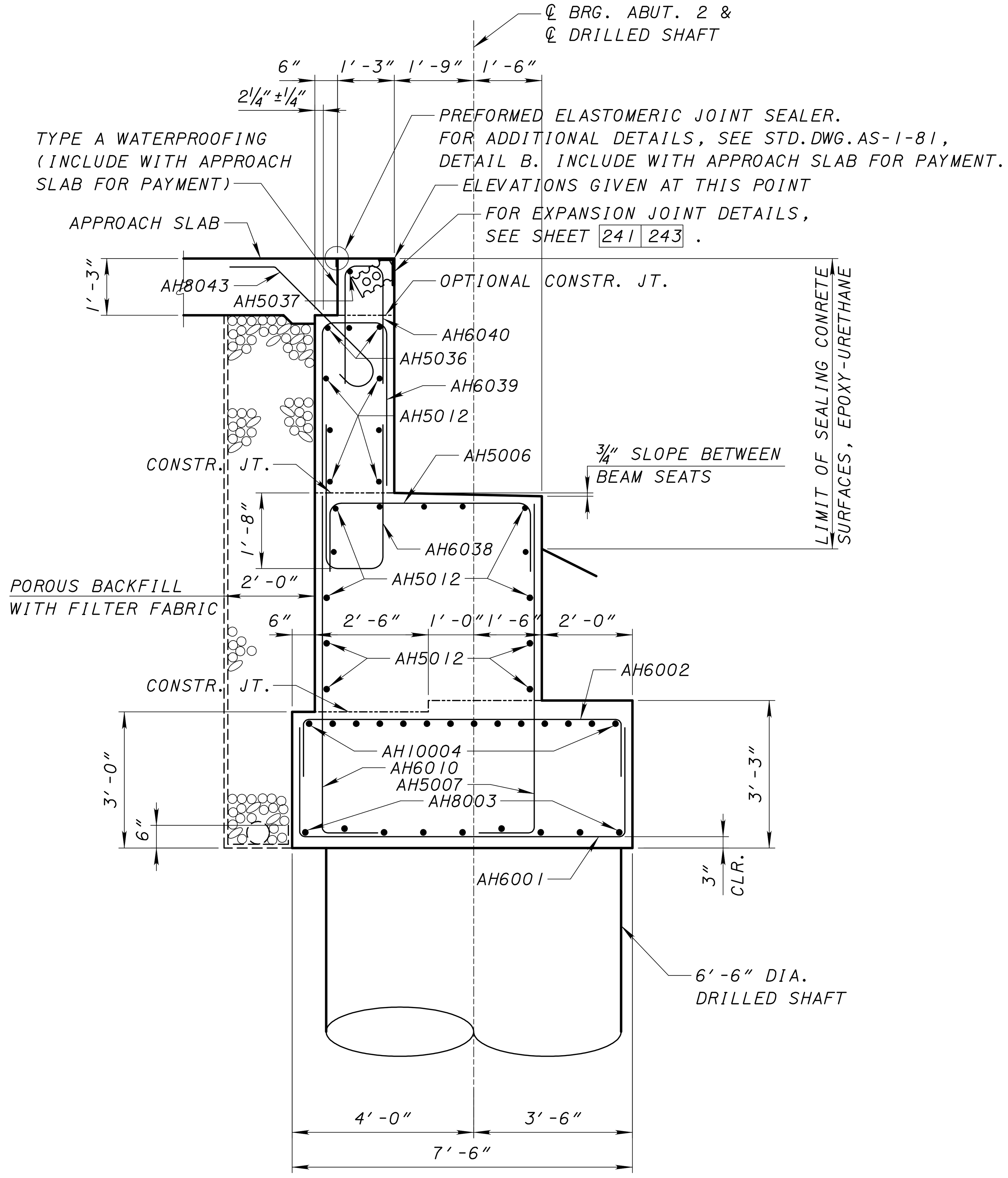
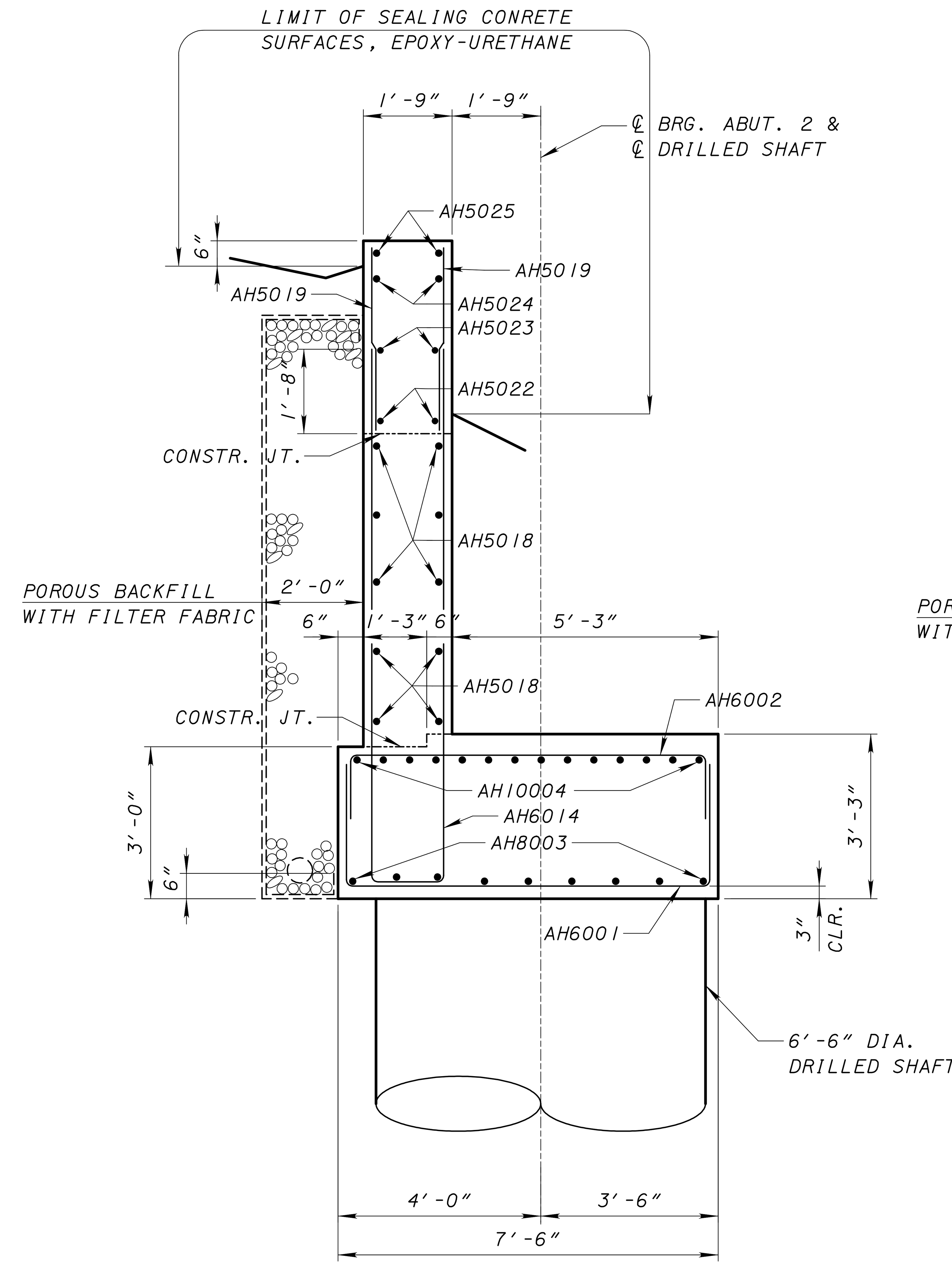
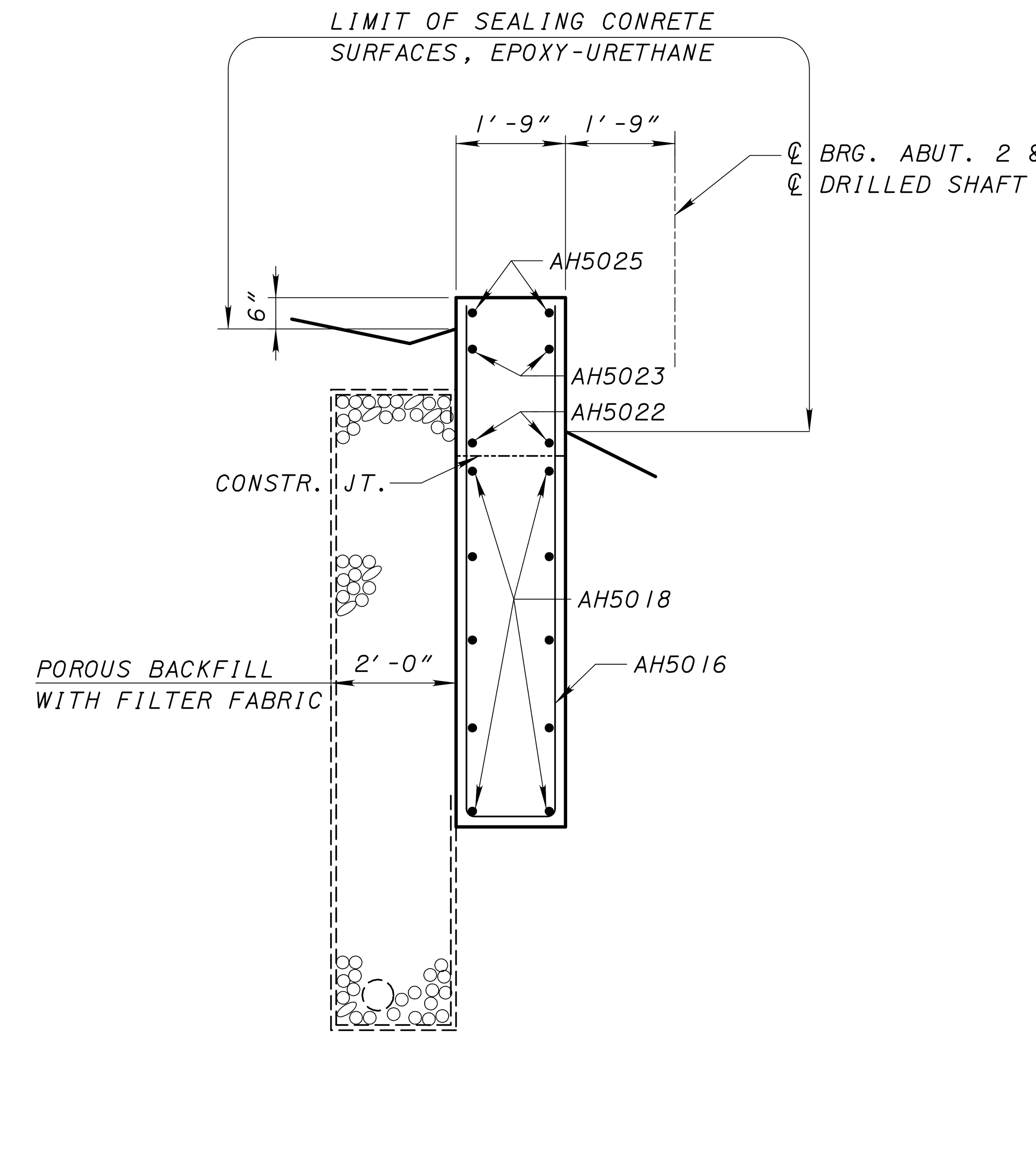


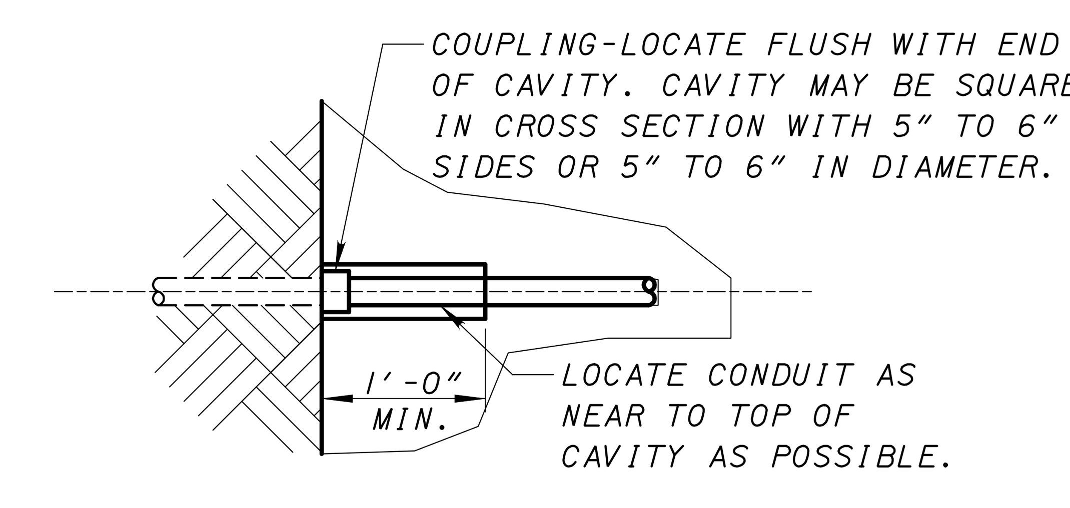
SECTION A-A



SECTION B-B

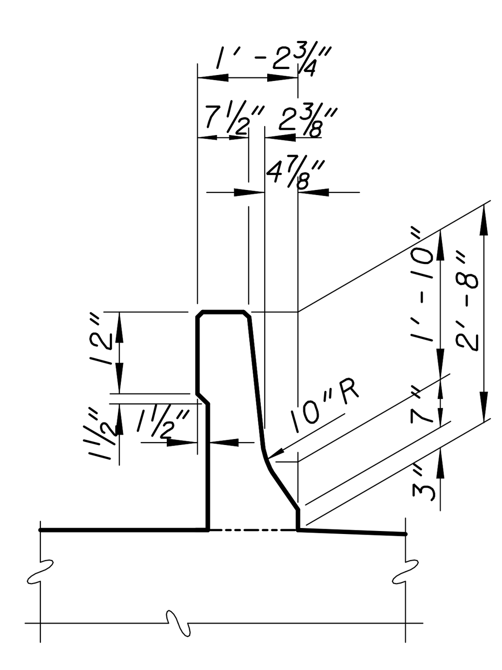


SECTION C-C

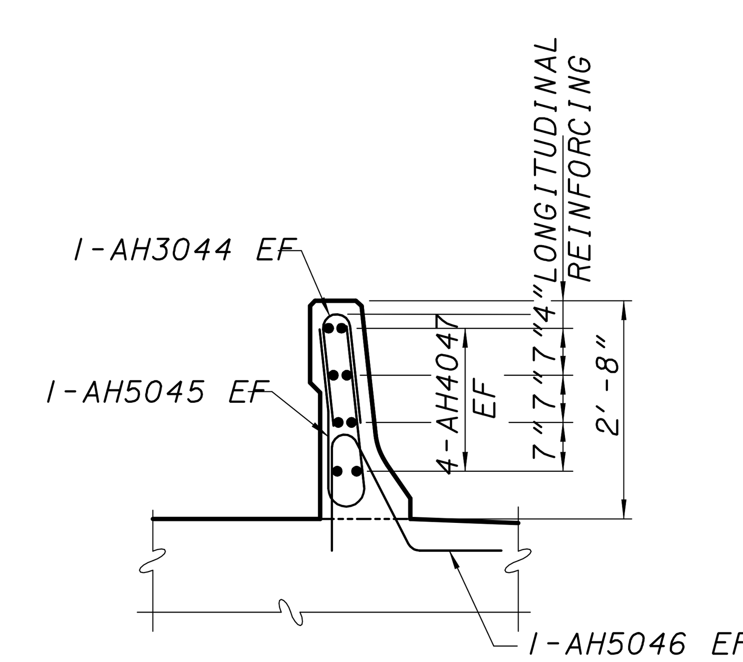


CAVITY FOR CONDUIT CONNECTION
AT BRIDGE ABUTMENTS

DIMENSIONS MAY BE ALTERED TO FIT ABUTMENT DESIGN. CAVITY FORMS MAY BE LEFTIN PLACE PROVIDING THEY DO NOT REDUCE CAVITY DIMENSIONS BEYOND THE MININMUMS.



PARAPET DETAIL
TYPICAL



PARAPET REINFORCEMENT
TYPICAL

NOTES

1. FOR REINFORCING STEEL LIST, SEE SHEET 242/243

NUMBER	REVISION	DATE	BY
1	REVISED REINFORCING	12/04	MJZ

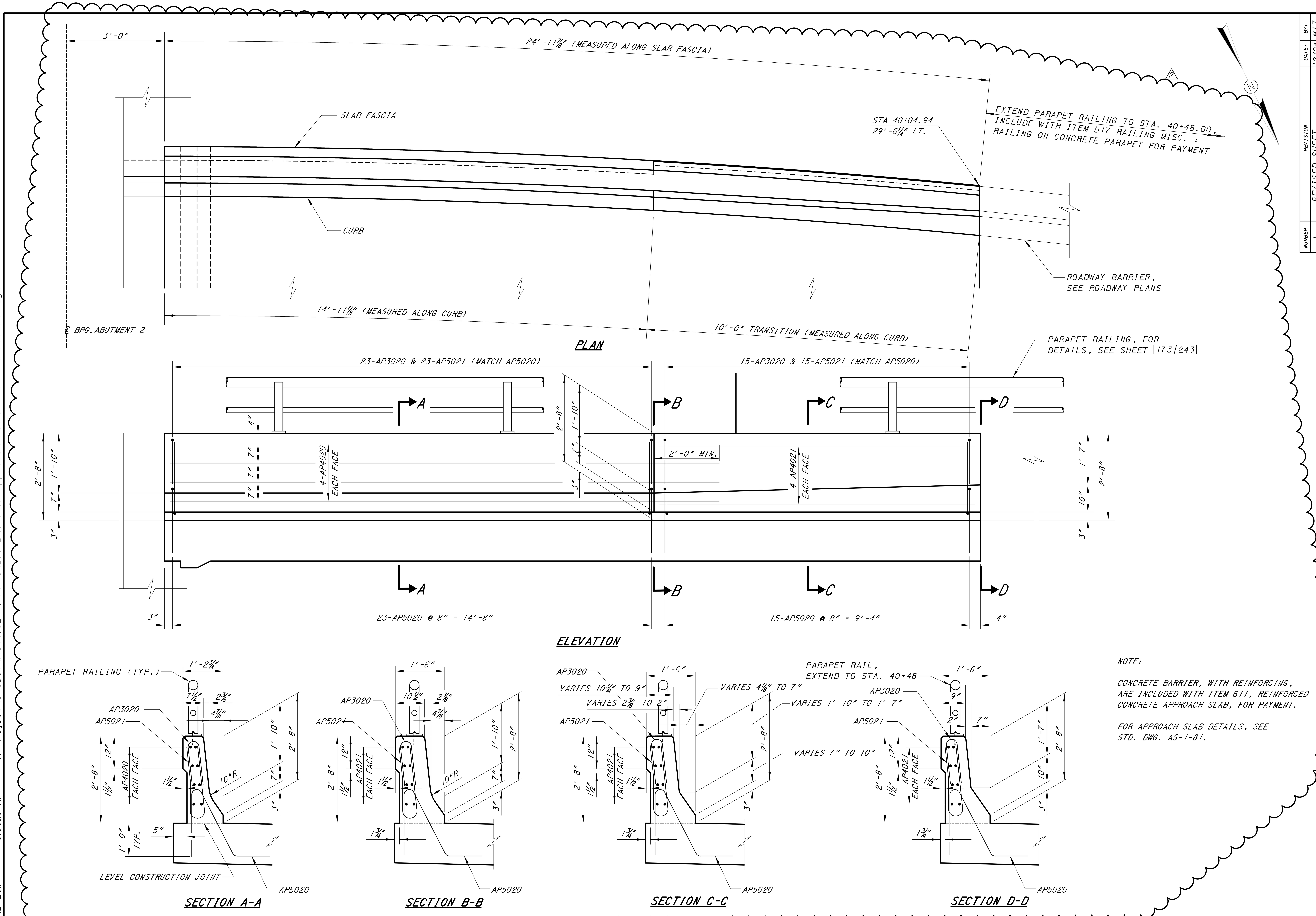
DESIGN AGENCY: URS
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
MSL	GJW	JRC	12/04
CHECKED	REVISED	STRUCTURE FILE NUMBER 5300916 OH 10385 WV	

ABUTMENT 2 DETAILS OHIO APPROACH

BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70



NOTE:

CONCRETE BARRIER, WITH REINFORCING, ARE INCLUDED WITH ITEM 611, REINFORCED CONCRETE APPROACH SLAB, FOR PAYMENT.

FOR APPROACH SLAB DETAILS, SEE STD. DWG. AS-1-81.

NUMBER	REVISION	DATE	BY
1	REVISED SHEET	12/04	MJZ
2	REVISED PARAPET RAILING	5/05	MJZ

DESIGN AGENCY: URS, 36 EAST 7TH STREET, SUITE 2300, CINCINNATI, OHIO 45202

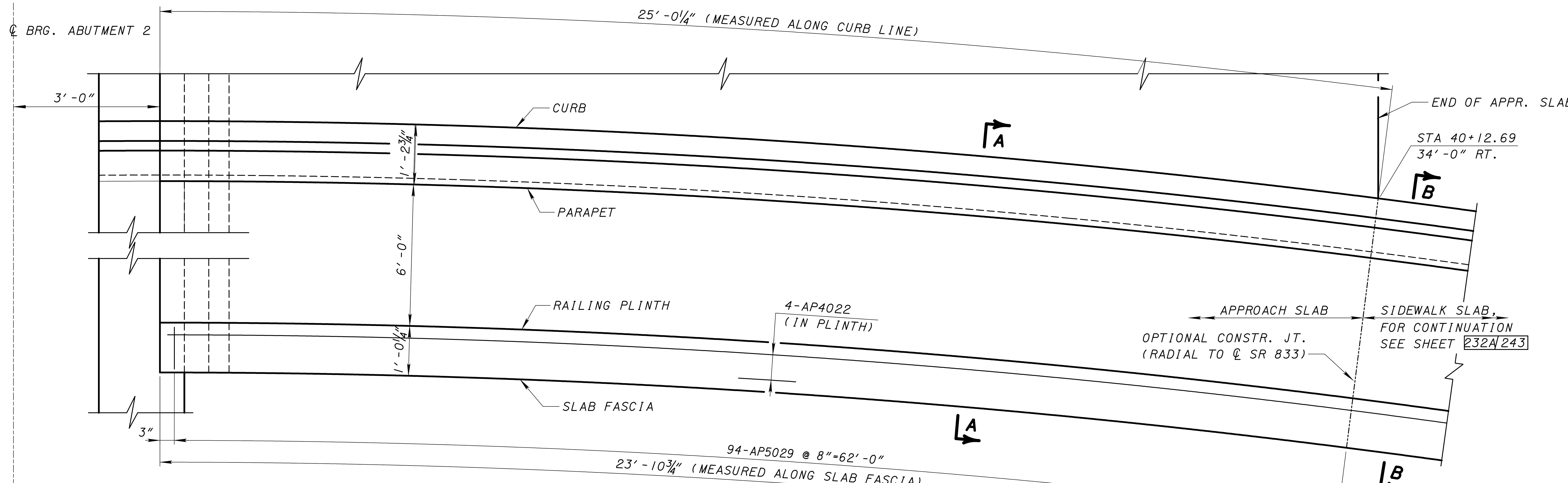
DESIGNED FXL · CHECKED MRS · DRAWN WJH · REVISED · REVIEWED JRC · DATE 12/04 · STRUCTURE FILE NUMBER 5300916 OH, 10385 WV

LEFT BARRIER (APPROACH SLAB) OHIO APPROACH

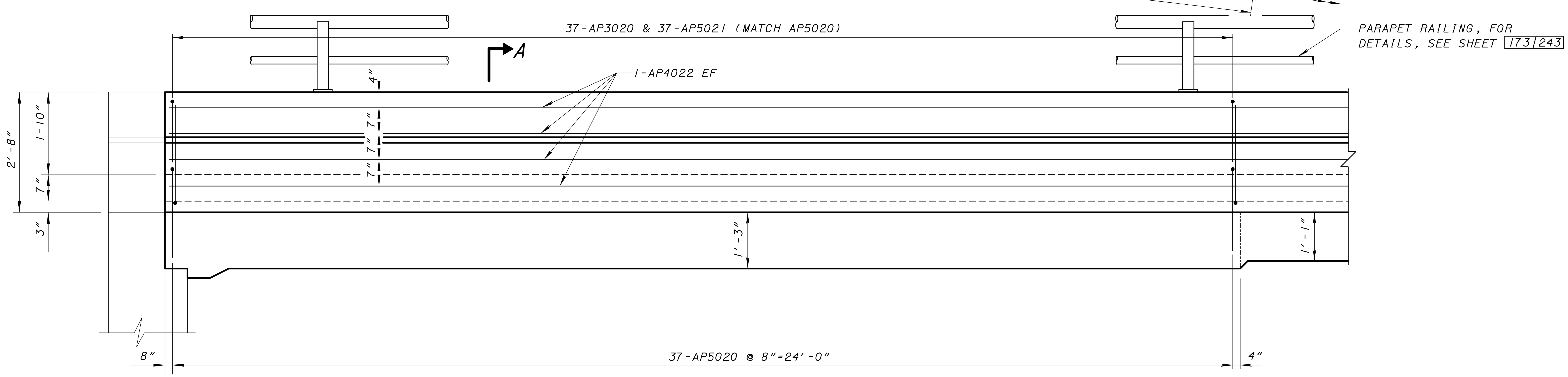
BRIDGE NO. MEG-33-1570

POMEROY MASON BRIDGE OVER OHIO RIVER

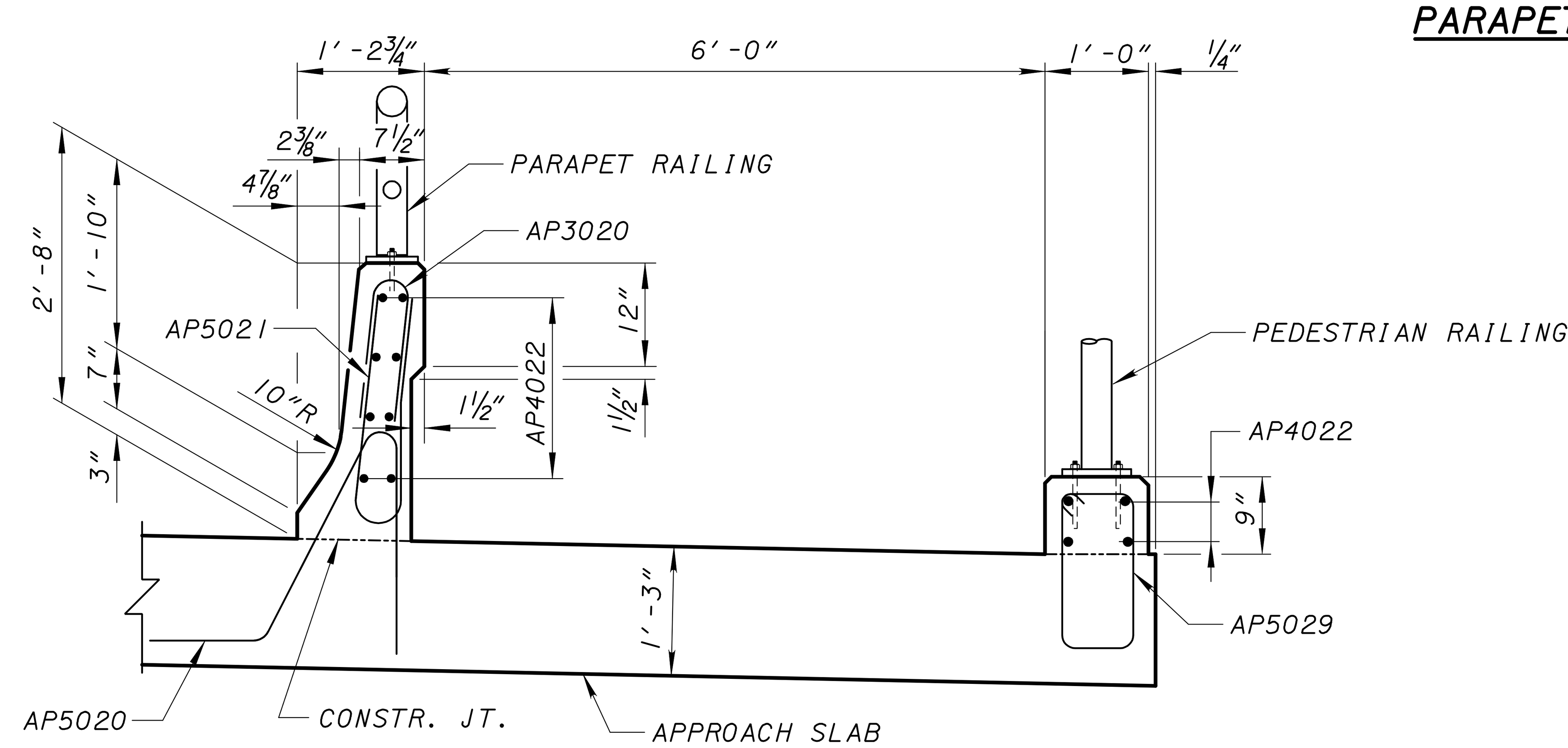
MEG-33-15.70



PLAN



PARAPET ELEVATION



SECTION A-A

NOTES

1. CONCRETE BARRIER, WITH REINFORCING, ARE INCLUDED WITH ITEM 611, REINFORCED CONCRETE APPROACH SLAB, FOR PAYMENT.
2. FOR APPROACH SLAB DETAILS, SEE STD. DWG. AS-1-81.
3. FOR REINFORCING LIST, SEE SHEET 243/243
4. FOR SECTION B-B, SEE SHEET 232A/243
5. FOR DETAILS OF PARAPET RAILING SEE SHEET 173/243
6. FOR DETAILS OF PEDESTRIAN RAILING, SEE SHEET 171/243
7. FOR APPROACH SLAB AND SIDEWALK CROSS SLOPES, SEE ROADWAY DRAWINGS.

NUMBER	REVISION	DATE	BY
1	REVISED SHEET	12/04	MJZ
2	REVISED PARAPET	5/05	MJZ

DESIGN AGENCY: URS, 36 EAST 7TH STREET, SUITE 2300, CINCINNATI, OHIO 45202

DESIGNED	CHECKED	DRAWN	REVISED	REVIEWED	DATE	STRUCTURE FILE NUMBER
FXL	MRS	WJH		JRC	12/04	5300916 OH, 10385 WV

RIGHT BARRIER (APPROACH SLAB) OHIO APPROACH (1)

BRIDGE NO. MEG-33-1570

POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

232/243

562/582

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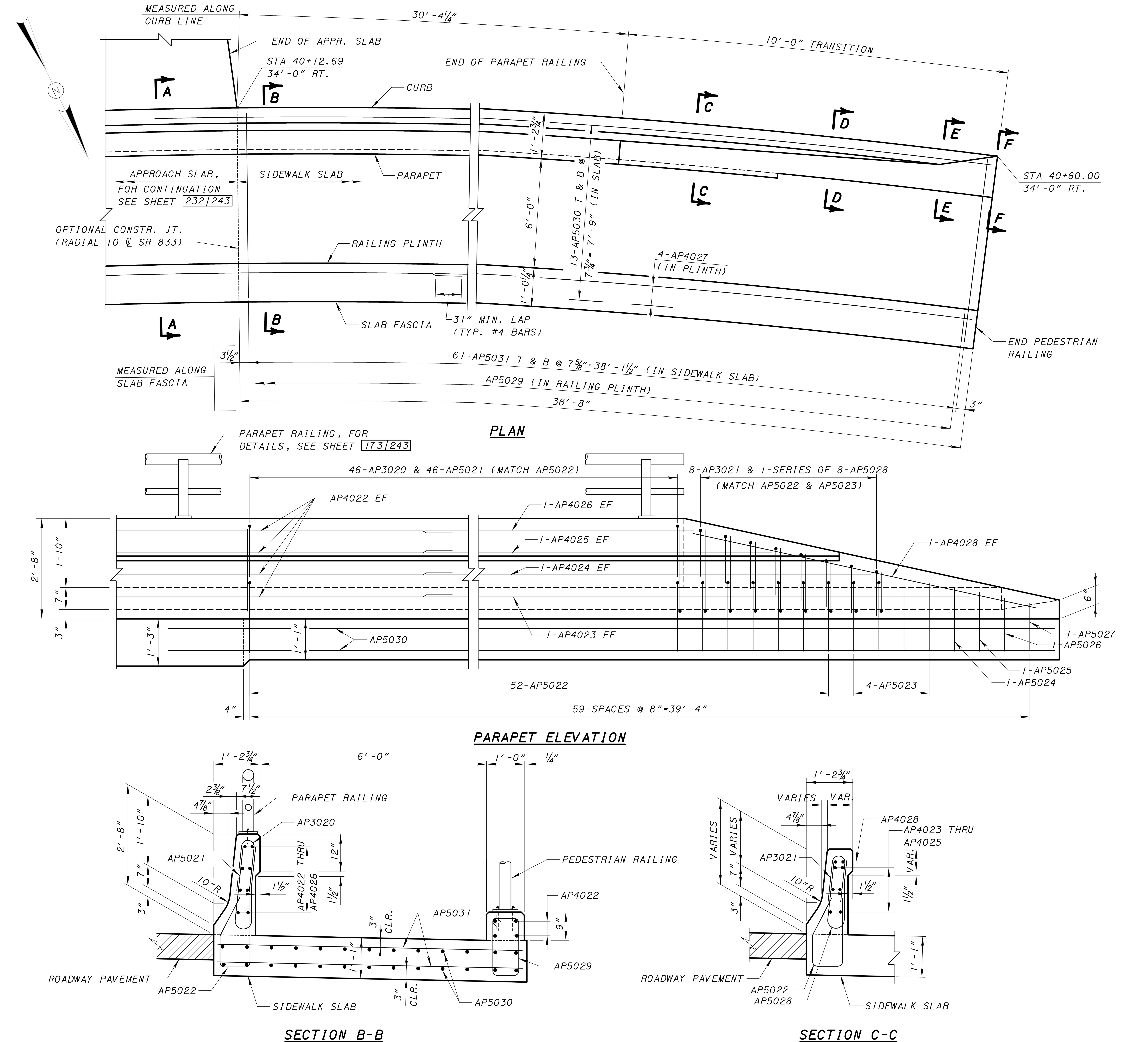
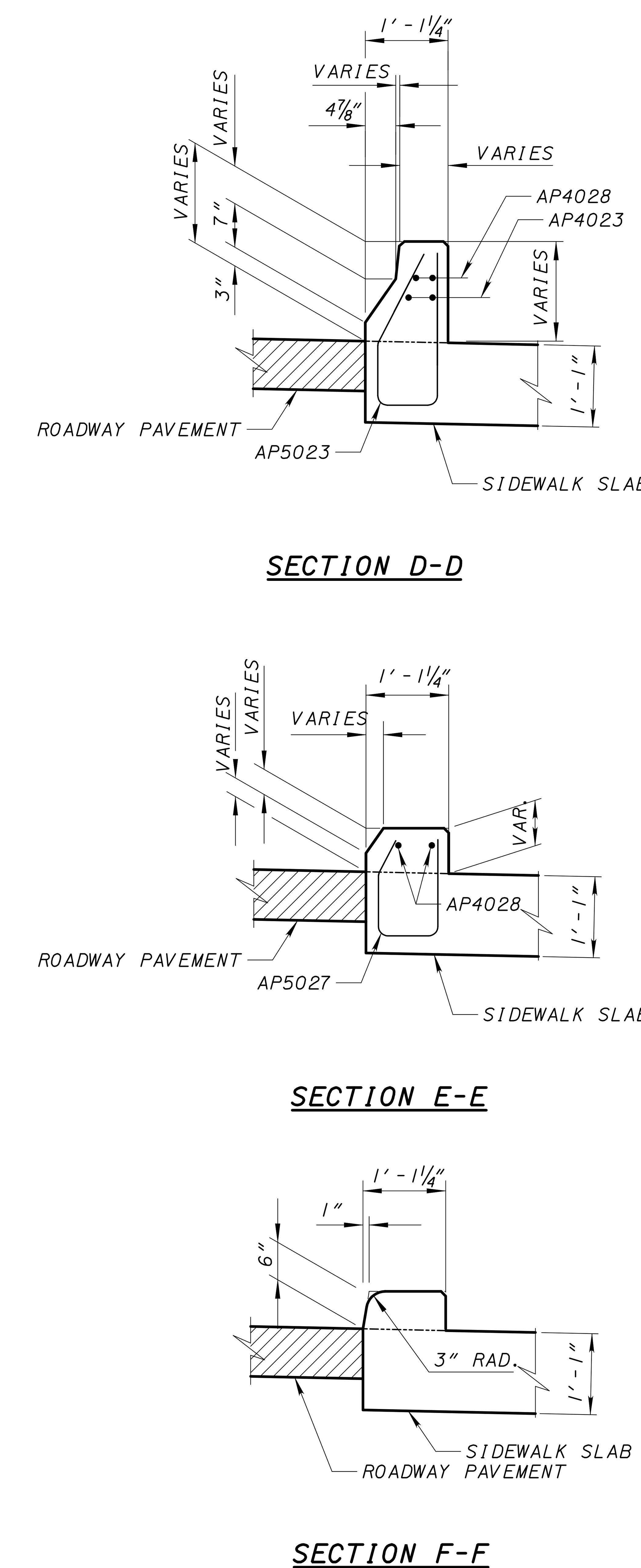




NOTES

1. SIDEWALK SLAB, PARAPET, AND PLINTH SHALL BE INCLUDED WITH ITEM 611, REINFORCED CONCRETE APPROACH SLAB, FOR PAYMENT.
2. FOR REINFORCING LIST, SEE SHEET 243/243
3. FOR SECTION A-A, SEE SHEET 232/243
5. FOR DETAILS OF PARAPET RAILING SEE SHEET 173/243
6. FOR DETAILS OF PEDESTRIAN RAILING, SEE SHEET 171/243
7. FOR APPROACH SLAB AND SIDEWALK CROSS SLOPES, SEE ROADWAY DRAWINGS.

NUMBER	REVISION	DATE	BY
1	ADDED SHEET	5/05	MJZ

DESIGN AGENCY: URS, 36 EAST 7TH STREET, SUITE 2300, CINCINNATI, OHIO 45202

REVIEWED | DATE | STRUCTURE FILE NUMBER 5300916 OH, 10385 WV

DRAWN GJW | REVISED

DESIGNED BEF | CHECKED MJZ

RIGHT BARRIER (APPROACH SLAB) OHIO APPROACH (2)

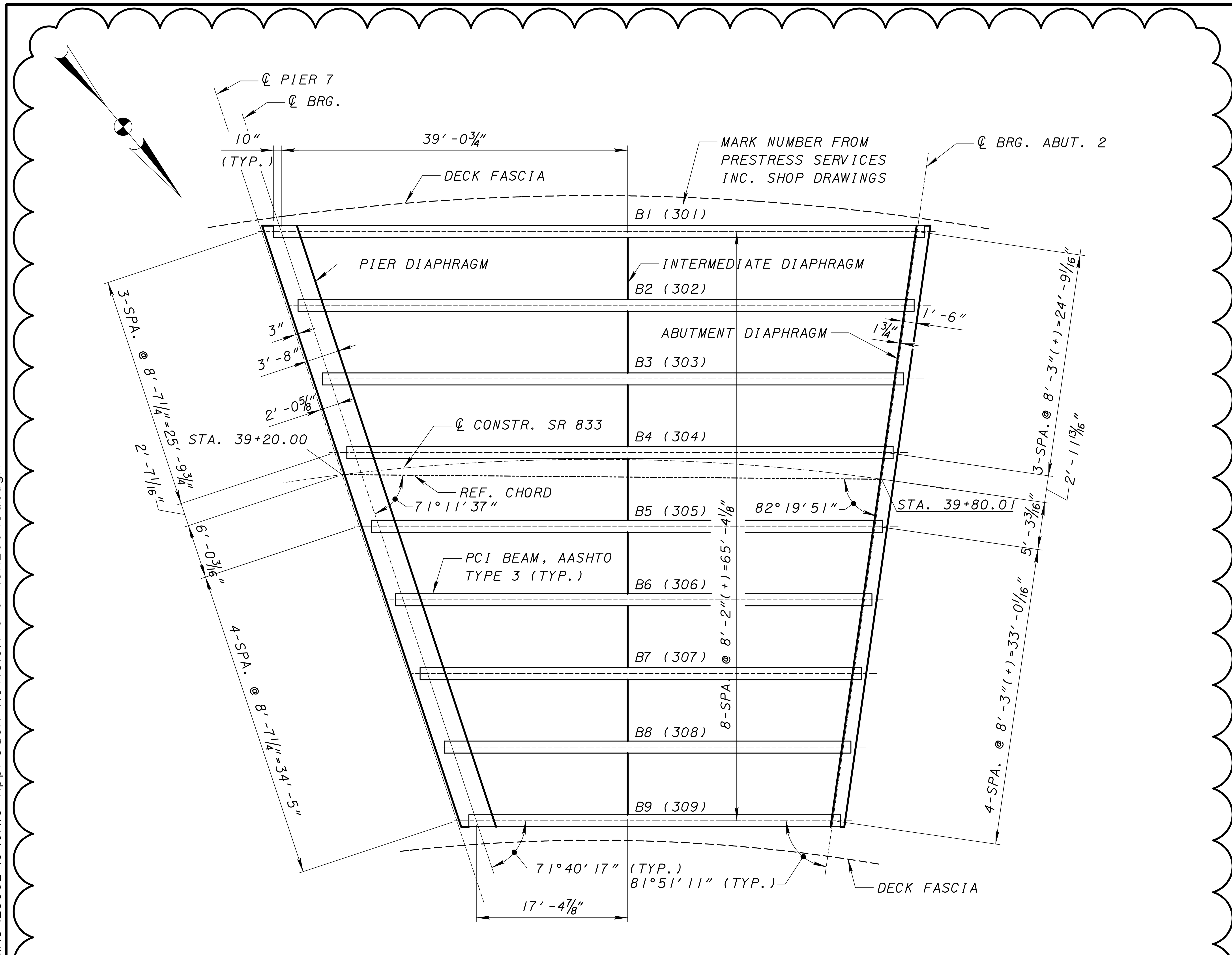
BRIDGE NO. MEG-33-1570

POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

232A/243

562A/582



FRAMING PLAN

NOTES

1. FOR DETAILS OF END DIAPHRAGMS SEE SHEET 239/243 .
2. INTERMEDIATE DIAPHRAGMS MAY BE EITHER CAST-IN-PLACE CONCRETE OR GALVANIZED STEEL. SEE STD.DWG. PSID-1-99 FOR ADDITIONAL INFORMATION. IF CAST-IN-PLACE CONCRETE DIAPHRAGMS ARE USED, DIAPHRAGMS SHALL BE PLACED AND CURED AT LEAST 48 HOURS PRIOR TO DECK PLACEMENT.
3. FOR ADDITIONAL DETAILS ON BEAMS AND DIAPHRAGMS, SEE STD. DWG. PSID-1-99.
4. FOR ADDITIONAL BEAM DETAILS REFER TO SHOP DRAWINGS PREPARED BY PRESTRESS SERVICES INC. APPROVED 4-5-04.

NUMBER	REVISION	DATE	BY
1	REVISED SHEET	12/04	MJZ

DESIGN AGENCY: URS, 36 EAST 7TH STREET, SUITE 2300, CINCINNATI, OHIO 45202

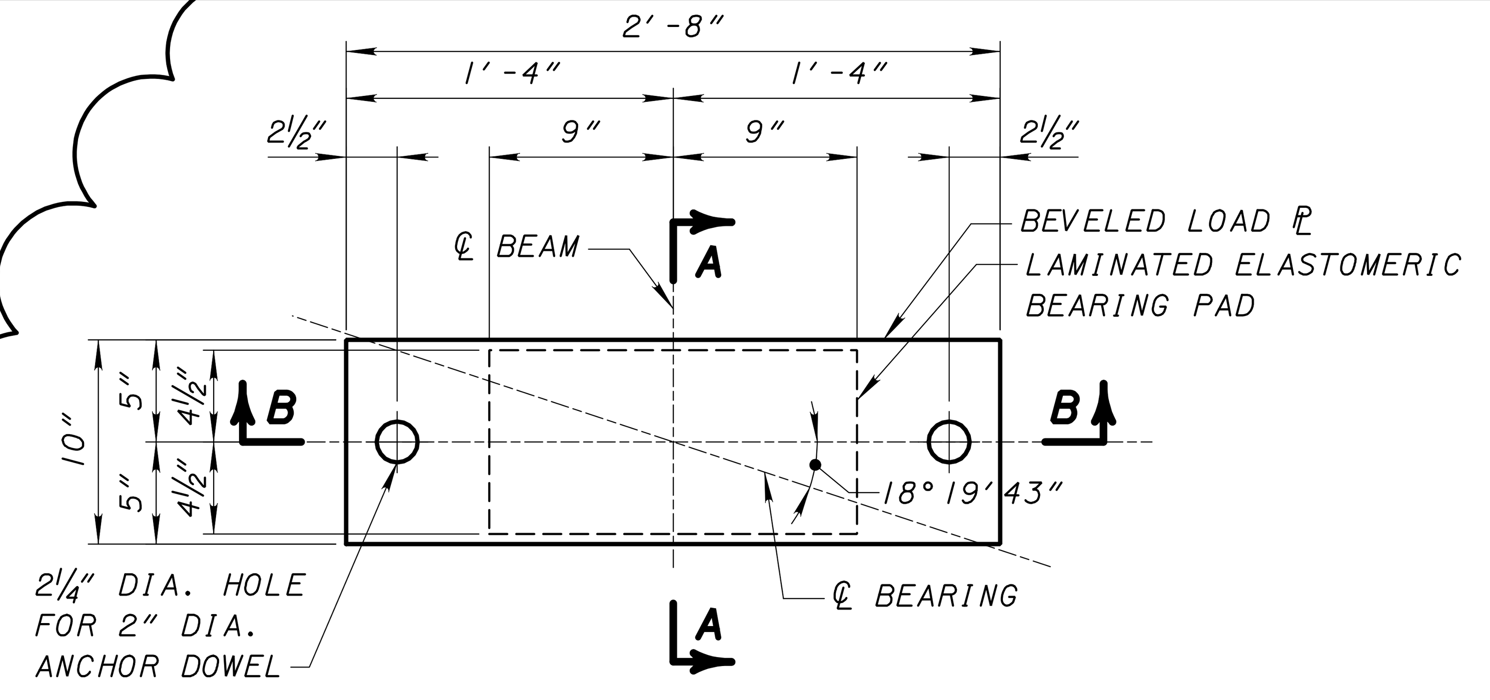
DESIGNED	DRAWN	REVIEWED	DATE
FXL	ALH	JRC	12/04
CHECKED	REVISED	STRUCTURE FILE NUMBER	
MPS		5300916 OH 10385 WV	

FRAMING PLAN OHIO APPROACH
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

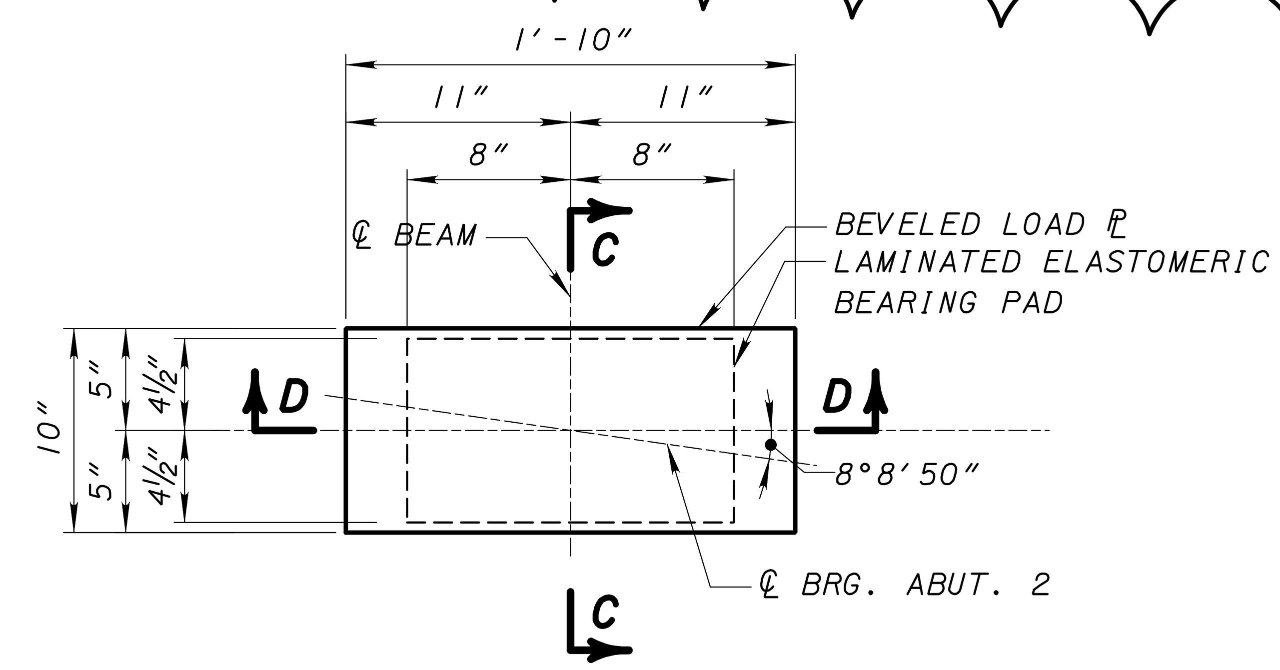
MEG-33-15.70

233/243

563/582



PLAN



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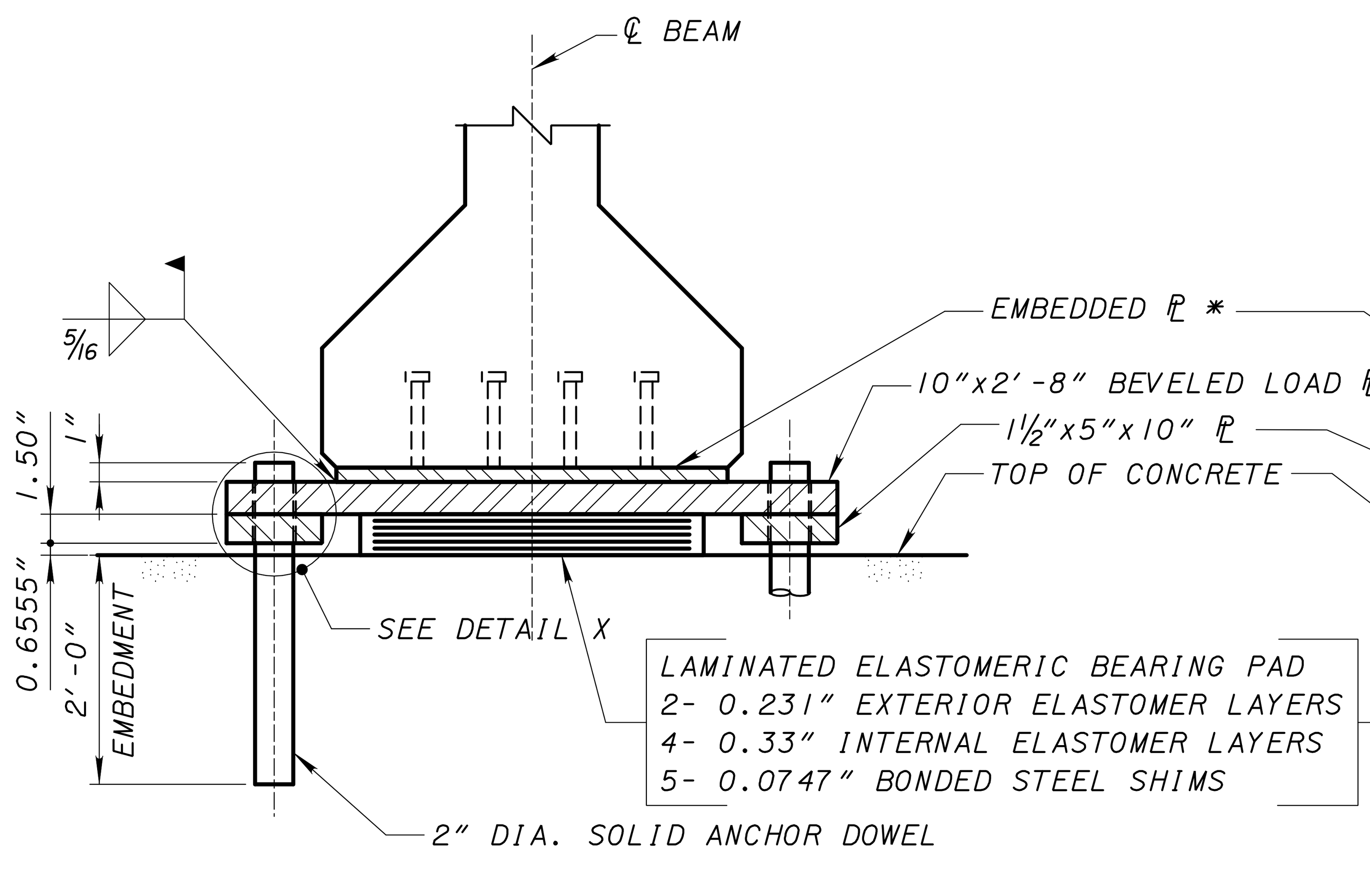
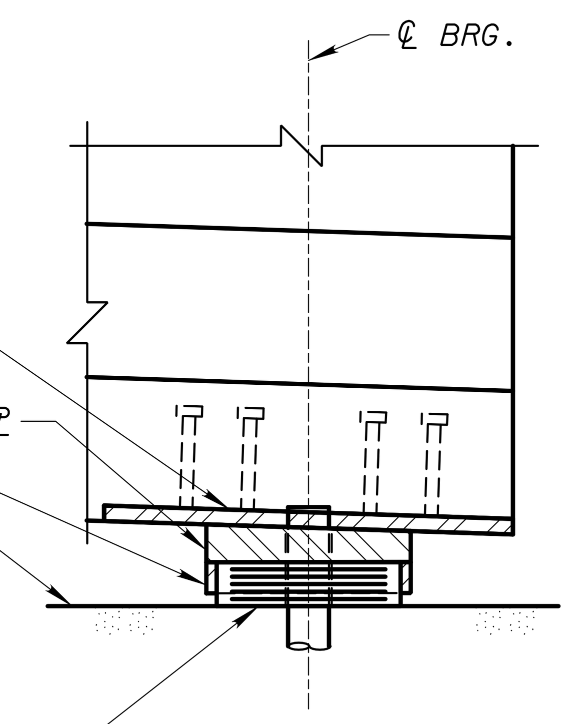
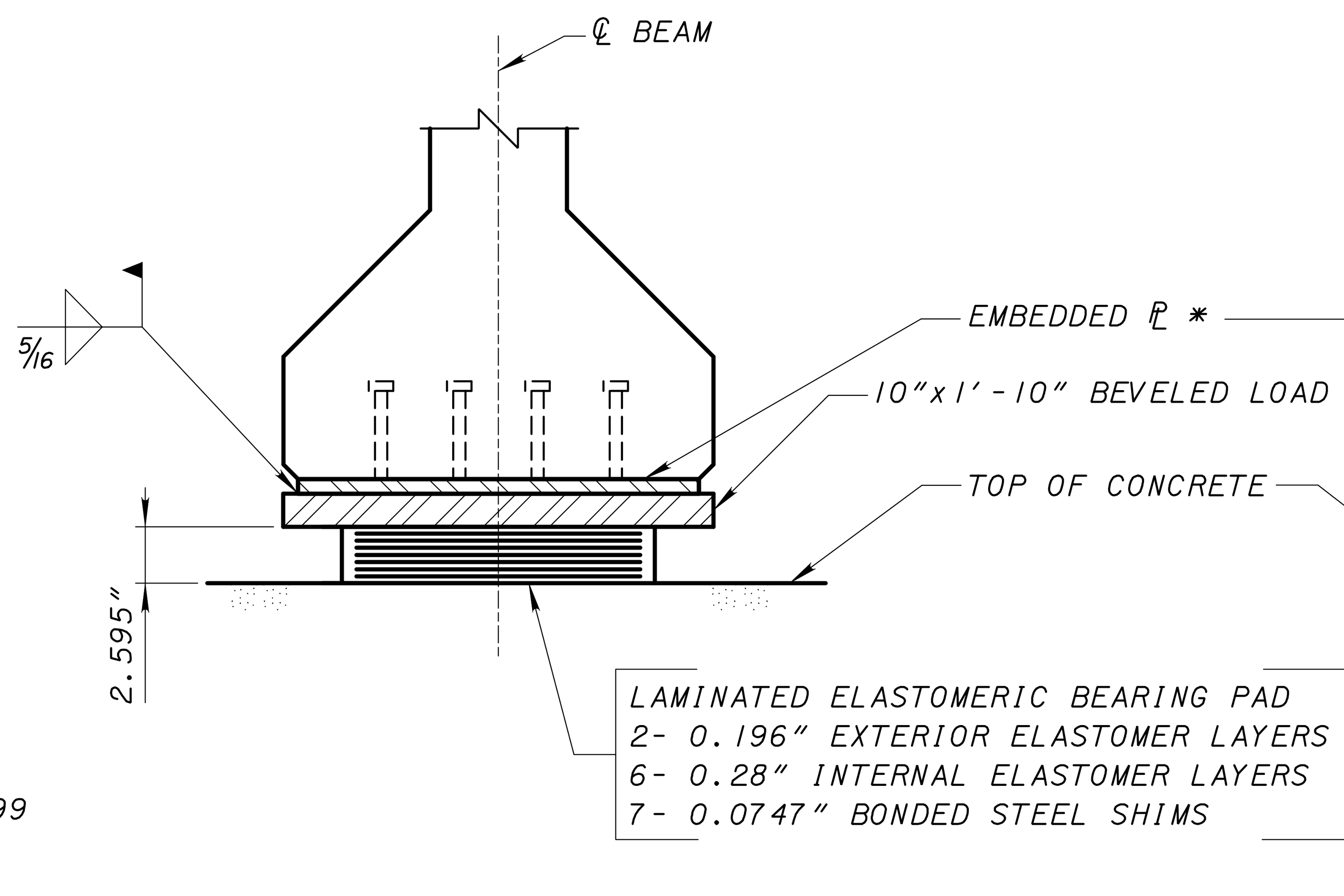


SECTION B-B

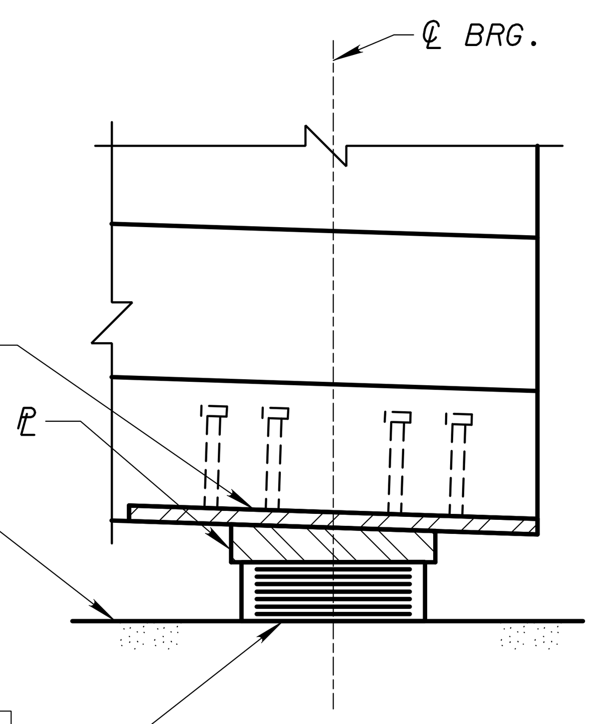


NOTE:
* - SEE STD. DWG. PSID-1-99 FOR ADDITIONAL DETAILS.

SECTION A-A



SECTION D-D



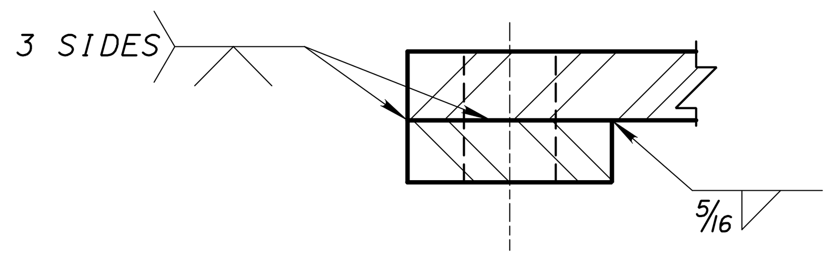
SECTION C-C

BEARING DETAILS @ PIER 7

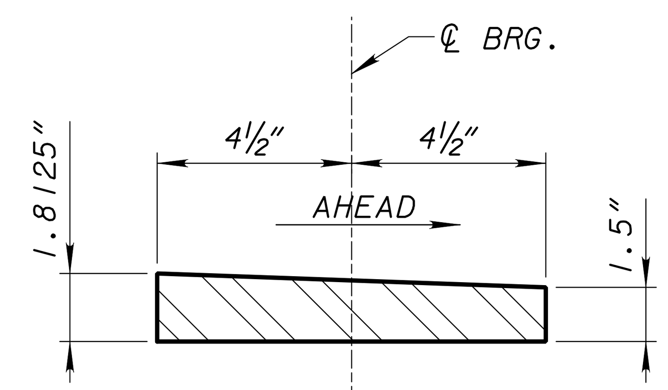
LIVE LOAD REACTION: 73.9K
DEAD LOAD REACTION: 57.6K
MAXIMUM DESIGN LOAD: 131.5K

BEARING DETAILS @ ABUTMENT 2

LIVE LOAD REACTION: 73.9K
DEAD LOAD REACTION: 57.6K
MAXIMUM DESIGN LOAD: 131.5K



DETAIL X



BEVELED LOAD PLATE DETAIL

NOTES FOR LAMINATED ELASTOMERIC BEARINGS AND LOAD PLATE

THE STEEL LOAD PLATE SHALL BE BONDED BY VULCANIZATION TO THE ELASTOMER DURING THE MOLDING PROCESS.

THE STEEL LOAD PLATE AND ANCHOR DOWELS SHALL BE A709, GRADE 50, STEEL.

WELDING SHALL BE CONTROLLED SO THAT THE PLATE TEMPERATURE AT THE ELASTOMER BONDED SURFACE DOES NOT EXCEED 300°F AS DETERMINED BY THE USE OF PYROMETRIC STICKS OR OTHER TEMPERATURE MONITORING DEVICES.

BASIS OF PAYMENT: THE UNIT BID PRICE SHALL INCLUDE ALL MATERIALS, LABOR, TESTING AND INCIDENTALS NECESSARY TO FURNISH AND INSTALL LAMINATED ELASTOMERIC BEARINGS. PAYMENT WILL BE MADE AT THE CONTRACT PRICE FOR ITEM 516, EACH, ELASTOMERIC BEARINGS WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE).

ELASTOMERIC BEARINGS SHALL COMPLY WITH ITEM 516 AND AASHTO STANDARD SPECIFICATION FOR HIGHWAY BRIDGES, SECTION 18, BEARING DEVICES, DIVISION II, CONSTRUCTION, ARTICLES 18.4.5.1 AND 18.5.6.2. BEARINGS SHALL BE GRADE 3, 50 DUROMETER ELASTOMER, AND SHALL BE SUBJECTED TO THE LOAD TESTING REQUIREMENTS DEFINED IN ARTICLE 18.7.4.5 OF THE AASHTO DOCUMENT LISTED ABOVE. BEARINGS WERE DESIGNED UNDER SECTION 14.6.6 OF SECTION 14, BEARINGS, DIVISION I, DESIGN. TESTING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE BEARINGS, EACH.

NUMBER	REVISION	DATE	BY
1	REVISED SHEET	12/04	MJZ

DESIGN AGENCY: URS, 36 EAST 7TH STREET, SUITE 2300, CINCINNATI, OHIO 45202

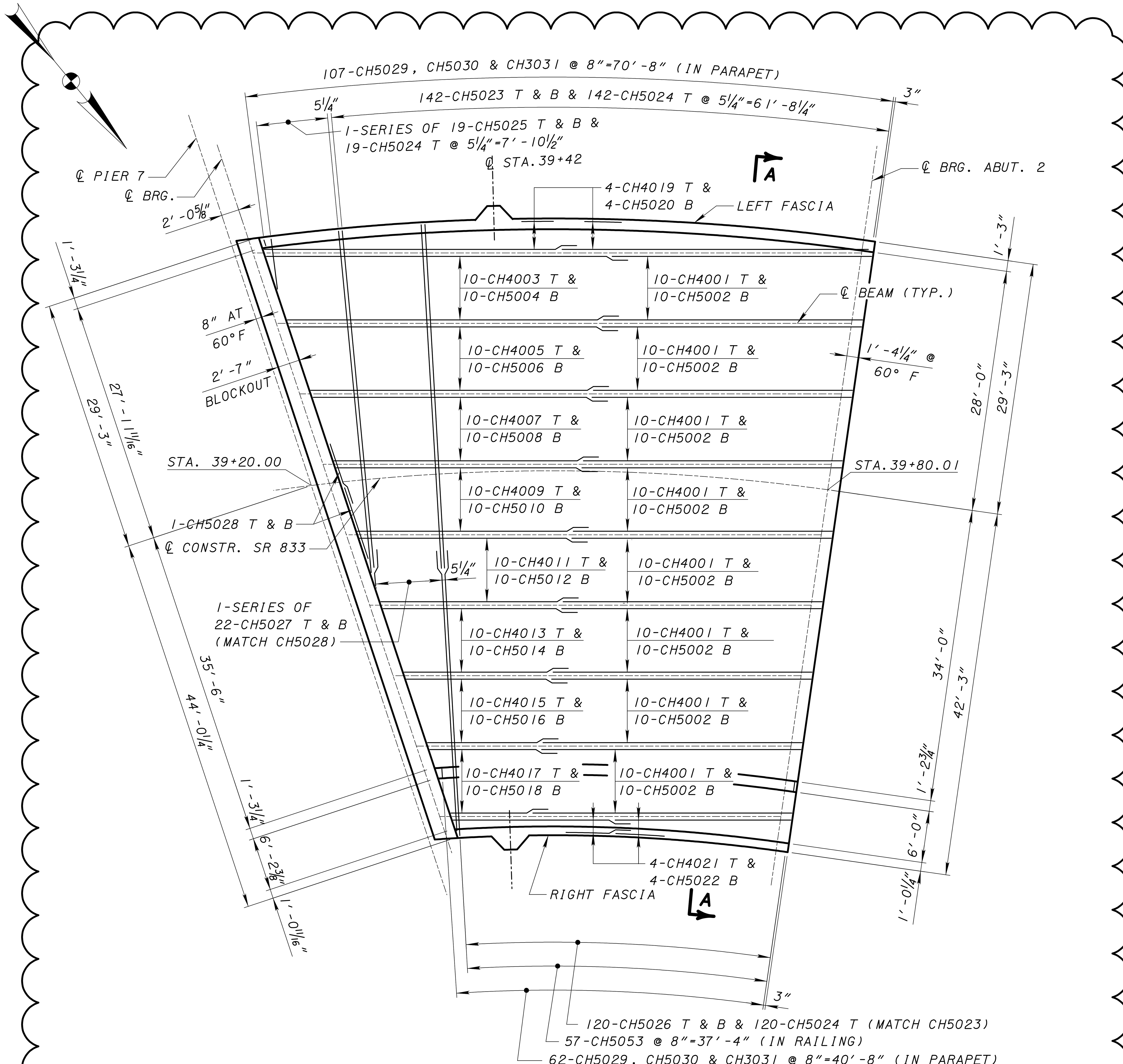
DESIGNED FXL | CHECKED MRS | DRAWN ALH | REVISED | REVIEWED JRC | DATE 12/04 | STRUCTURE FILE NUMBER 5300916 OH, 10385 WV

BEARING DETAILS OHIO APPROACH
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

235/243

565/582



DECK PLAN

NOTES

1. TRANSVERSE REINFORCEMENT IS PLACED RADIALLY AND MEASURED ALONG THE FASCIA LINE.
2. FOR LIGHT POLE PILASTER DETAILS, SEE SHEET 238/243
3. FOR REINFORCING STEEL LIST, SEE SHEET 243/243
4. FOR SECTION A-A, SEE SHEET 237/243
5. FOR DIAPHRAGM DETAILS, SEE SHEET 239/243
6. FOR SCREED ELEVATIONS, SEE SHEET 240/243
7. LAP LENGTHS FOR REINFORCING:
   TRANSVERSE #5 BARS = 2'-0"
   LONGINTUDINAL #4 BARS = 1'-9"
   LONGINTUDIANL #5 BARS = 2'-0"

NUMBER	REVISION	DATE	BY
1	REVISED SHEET	12/04	MJZ

DESIGN AGENCY: URS, 36 EAST 7TH STREET, SUITE 2300, CINCINNATI, OHIO 45202

DESIGNED | CHECKED | DRAWN GJW | REVISED | REVIEWED JRC | DATE 12/04

STRUCTURE FILE NUMBER 5300916 OH 10385 WV

DECK PLAN OHIO APPROACH

BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

236/243

566/582

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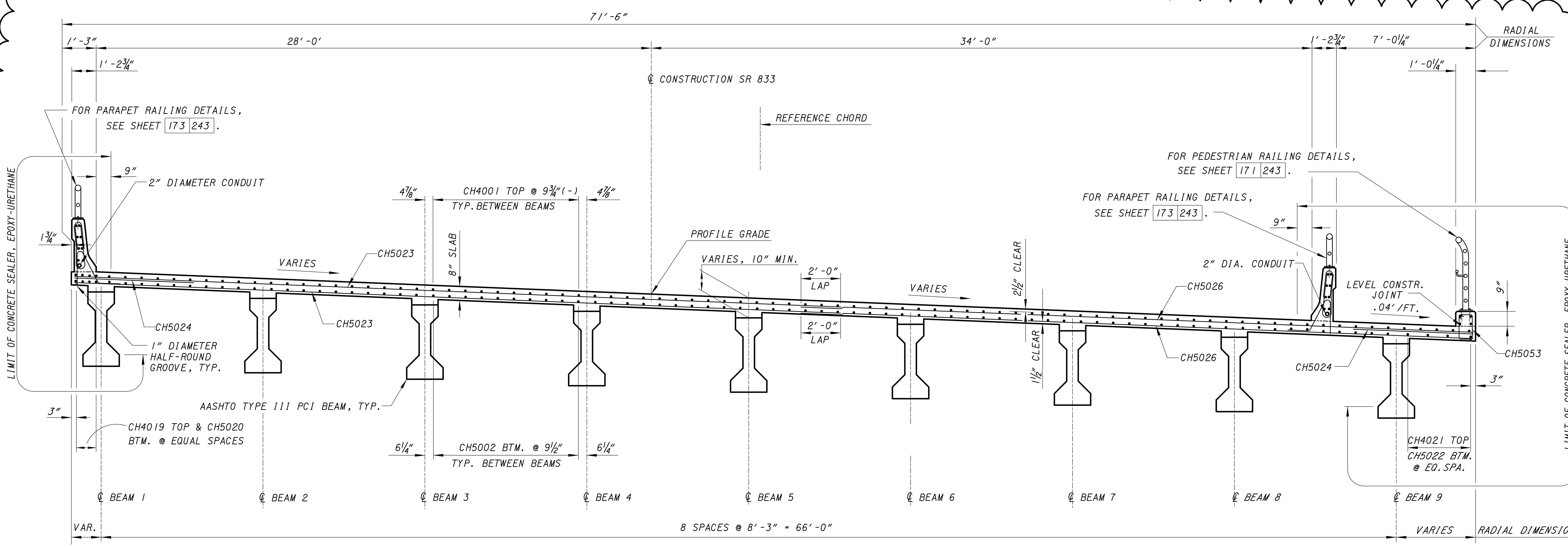
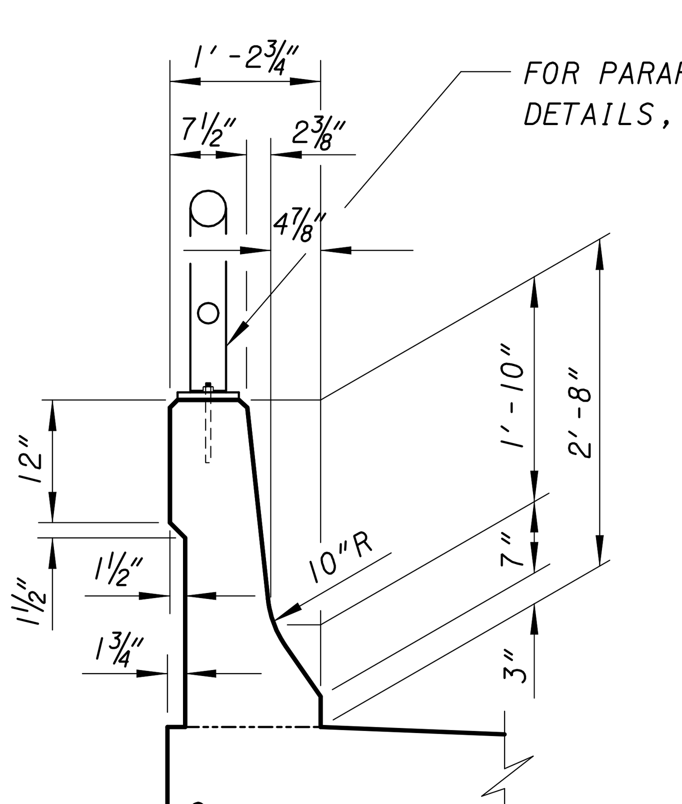
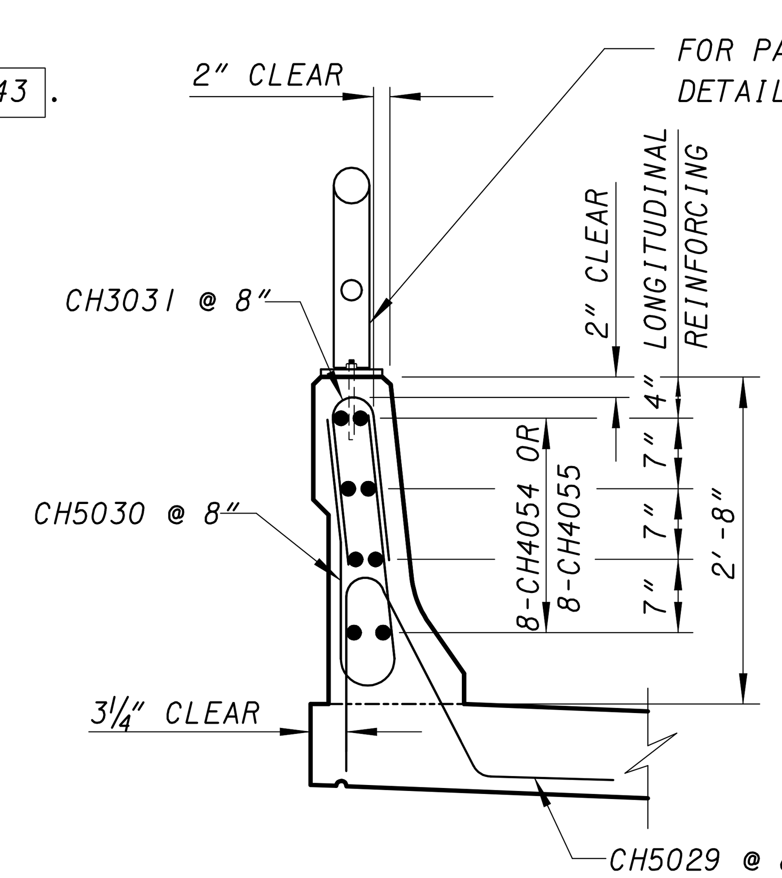


SECTION A-A



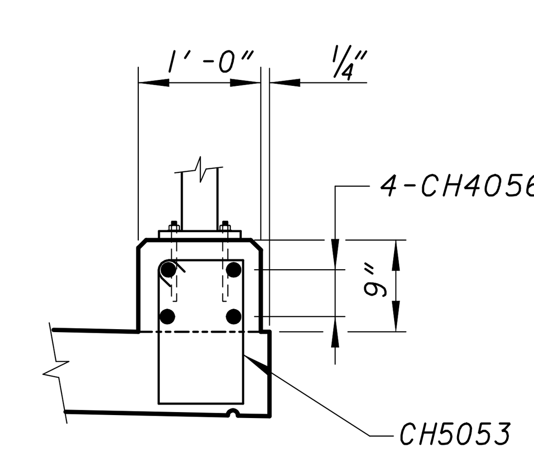
PARAPET DETAIL

TYPICAL



PARAPET DETAIL

TYPICAL



RAILING PLINTH DETAIL

NUMBER	REVISION	DATE	BY
1	REVISED SHEET	12/04	MJZ

DESIGN AGENCY
URS
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

REVIEWED JRC
DATE 12/04
STRUCTURE FILE NUMBER 5300916 OH 10385 WV
DRAWN DLW
REVISED
DESIGNED DLW
CHECKED

DECK DETAILS OHIO APPROACH (1)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

237/243

567/582

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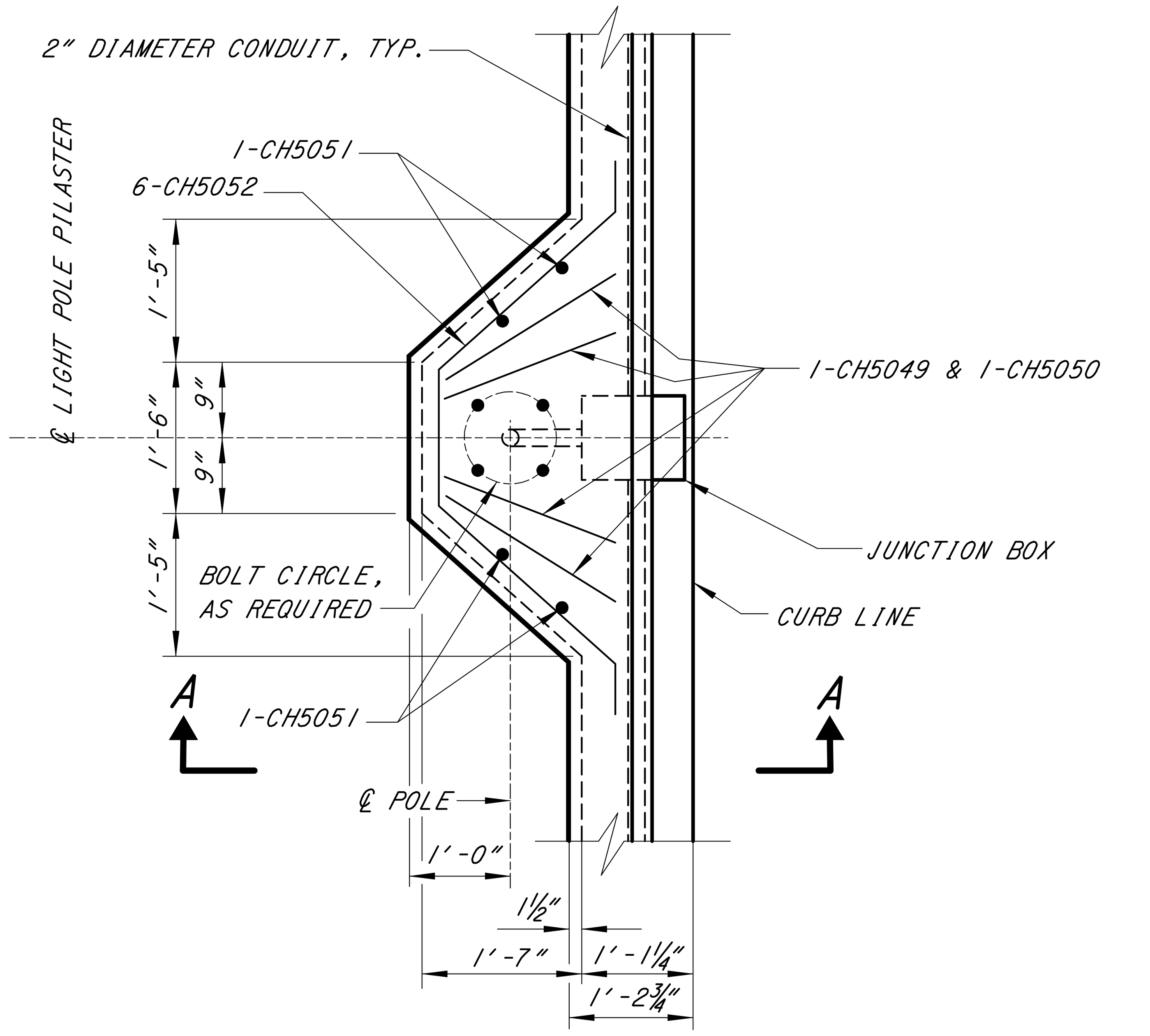
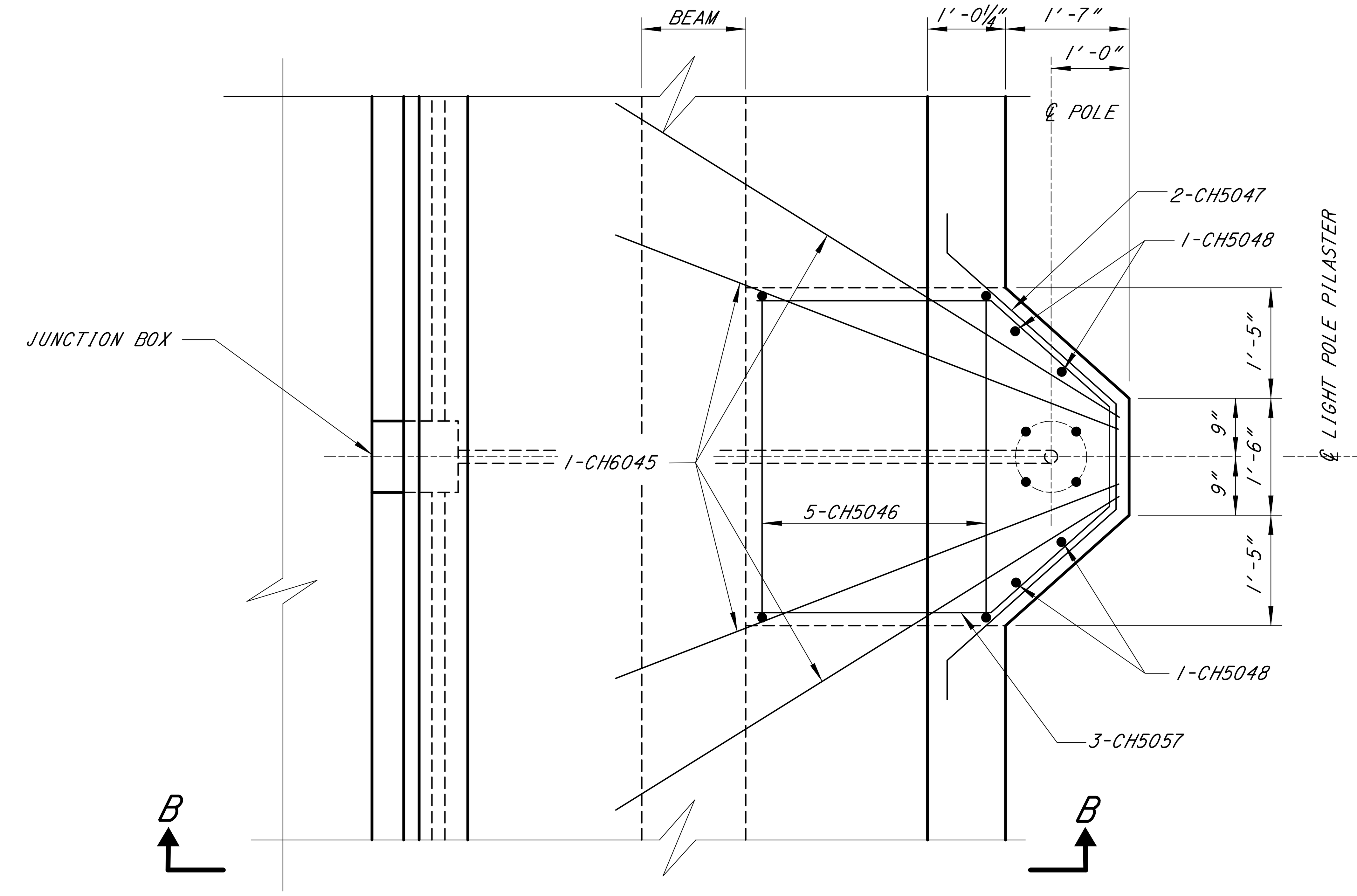
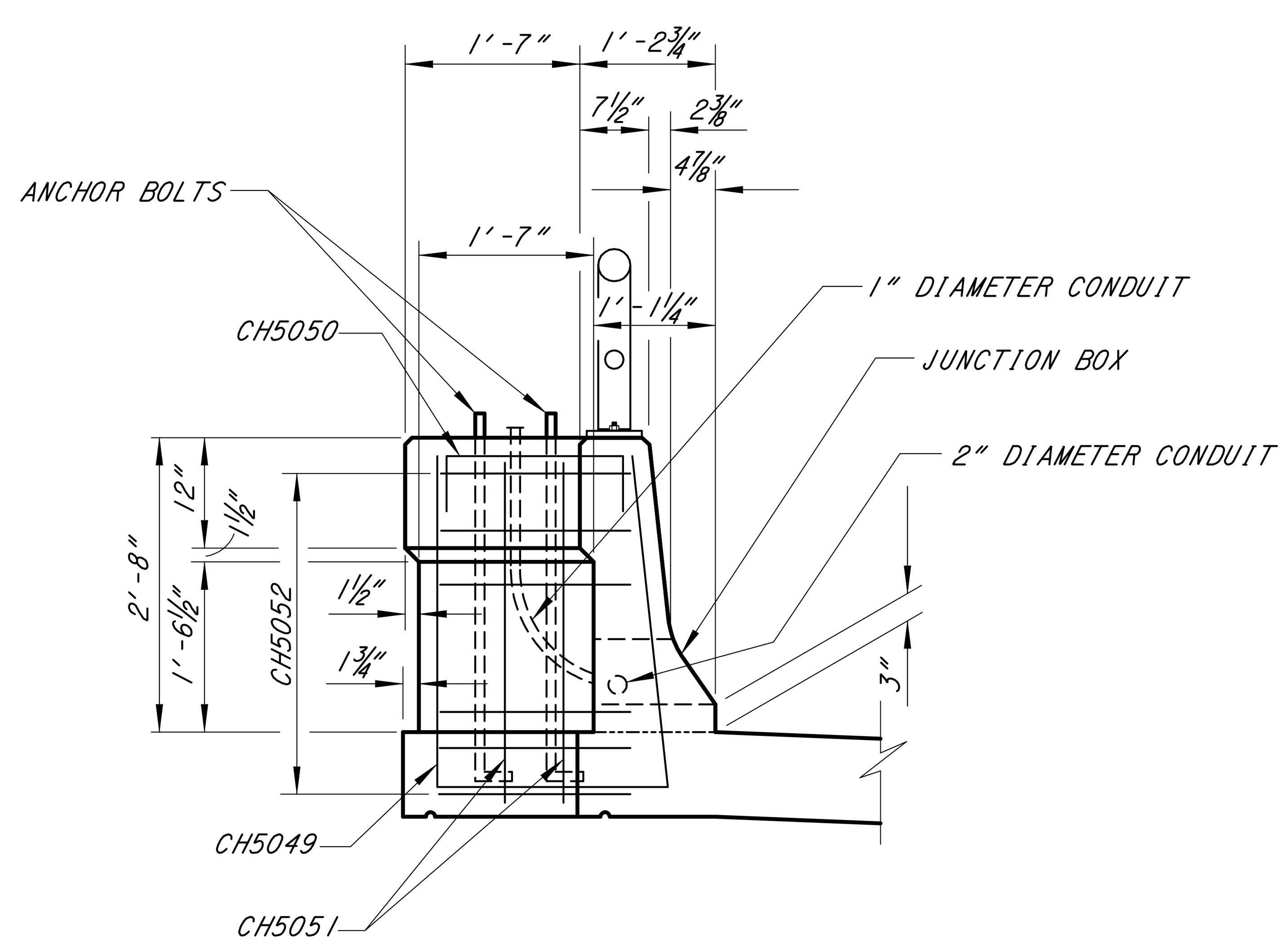


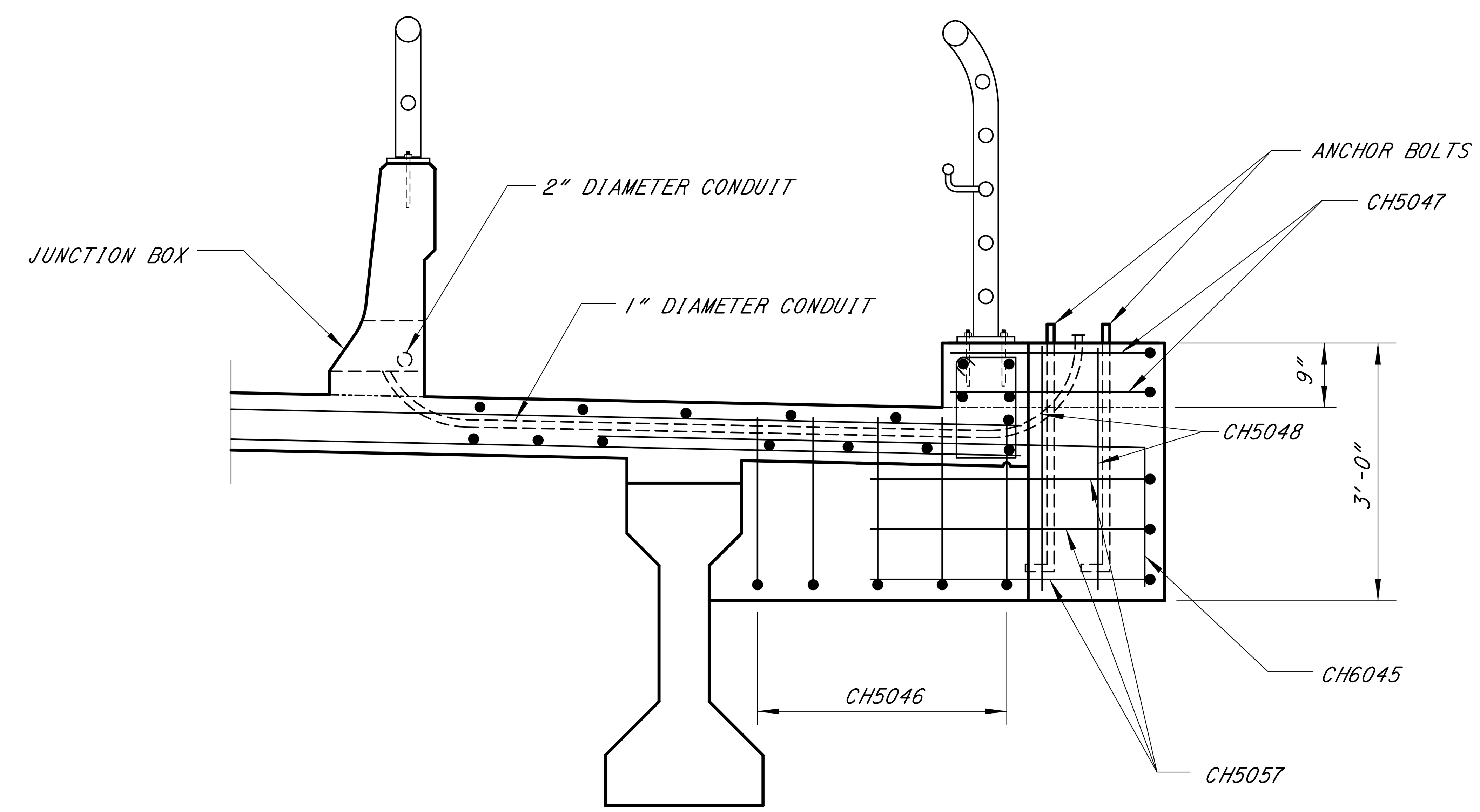
LIGHT POLE PILASTER DETAIL 1



LIGHT POLE PILASTER DETAIL 2



SECTION A-A



SECTION B-B

NUMBER	REVISION	DATE	BY
1	REVISED SHEET	12/04	MJZ

DESIGN AGENCY

URS
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED MPS | DRAWN WJH | REVIEWED JRC | DATE 12/04
CHECKED FKL | REVISED | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

DECK DETAILS OHIO APPROACH (2)
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

238 / 243

568 / 582

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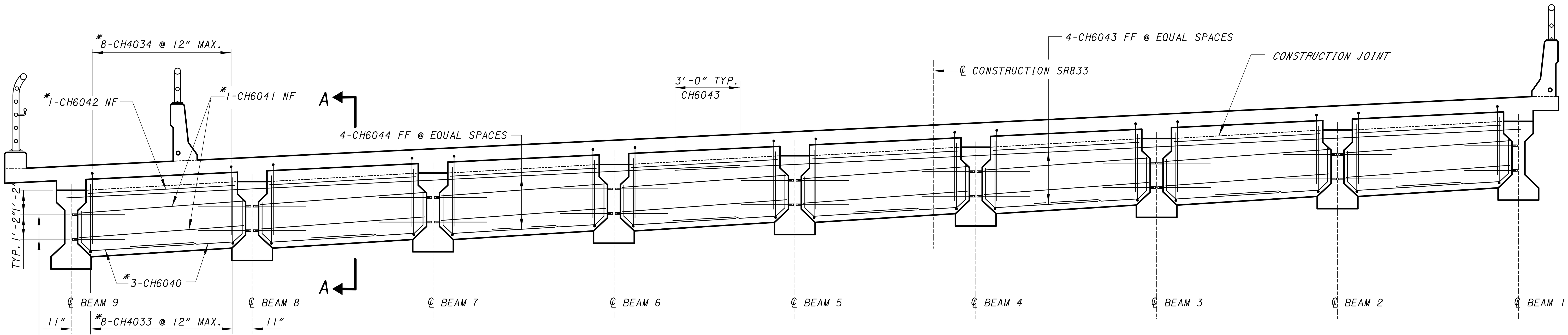
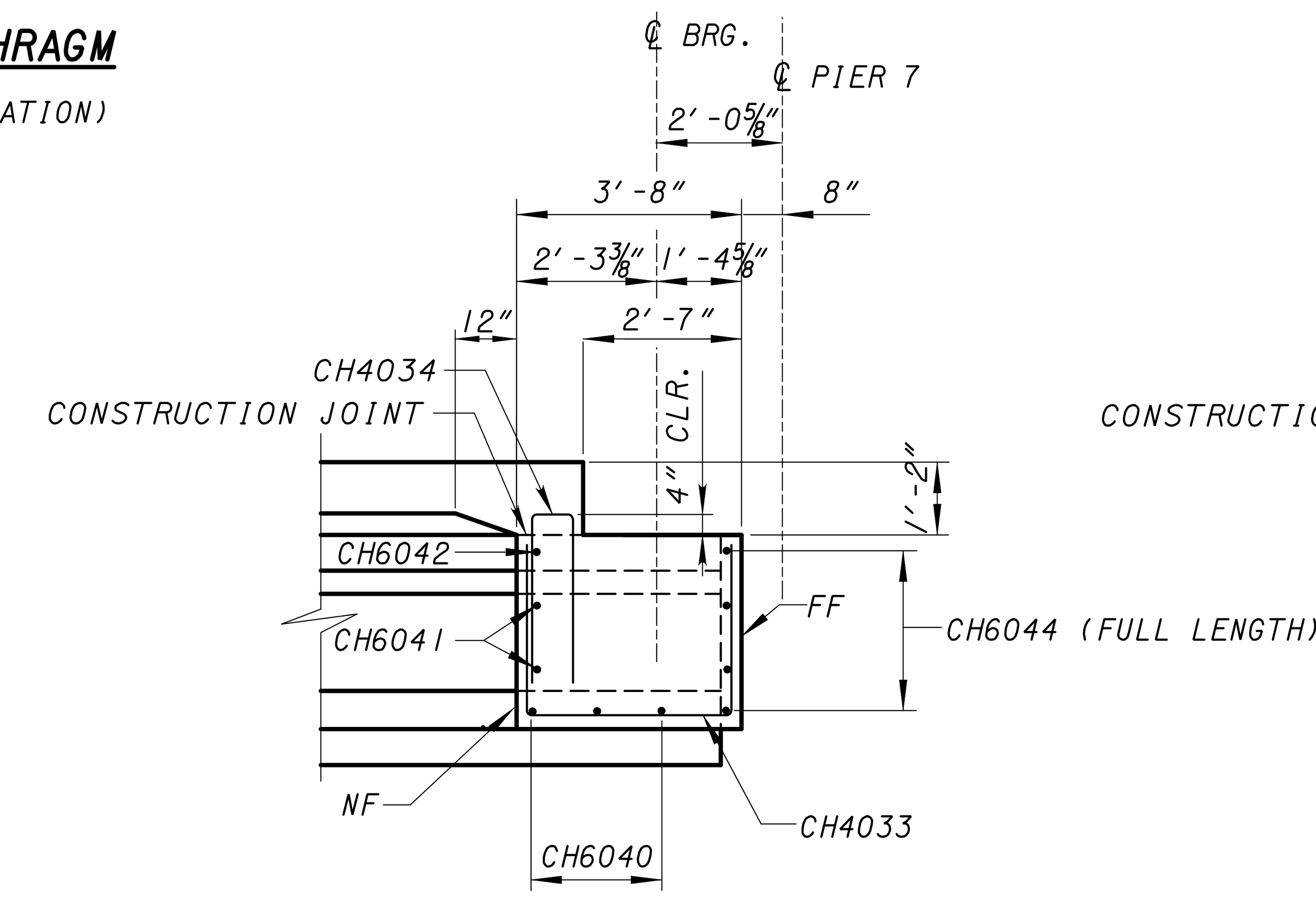
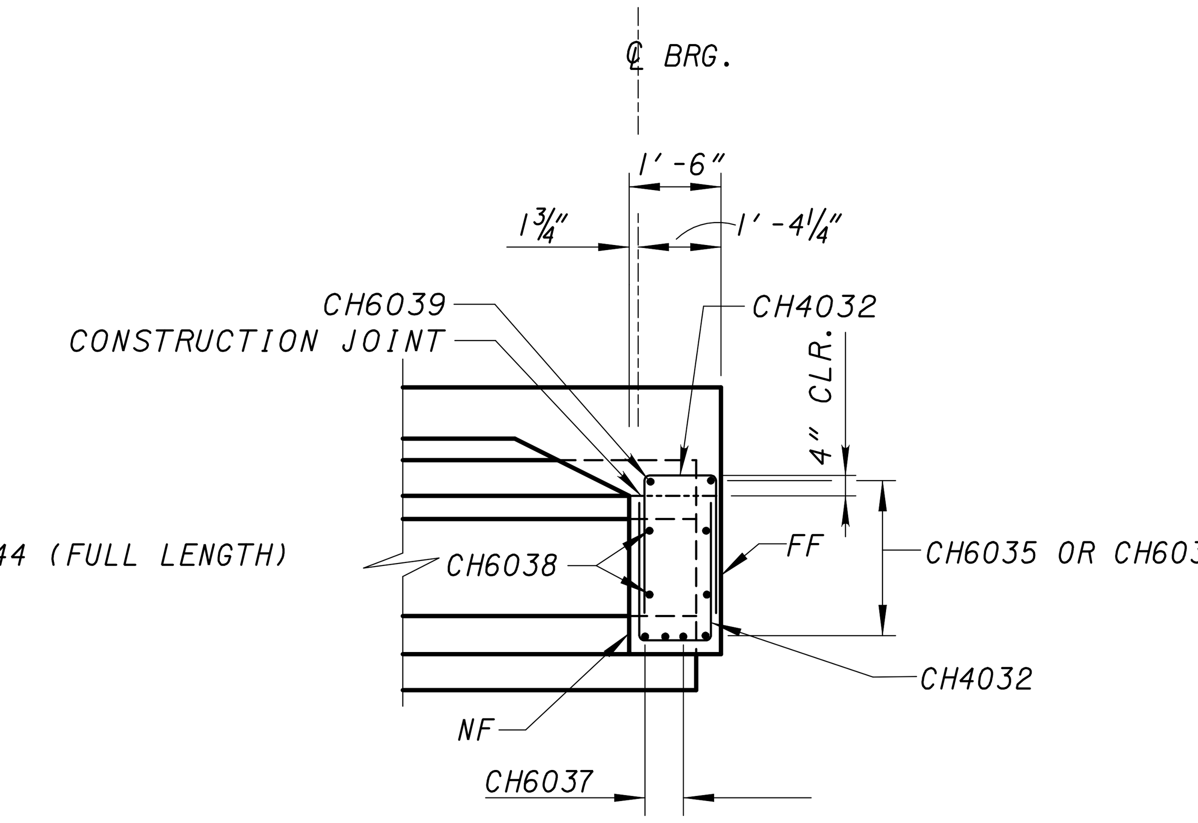


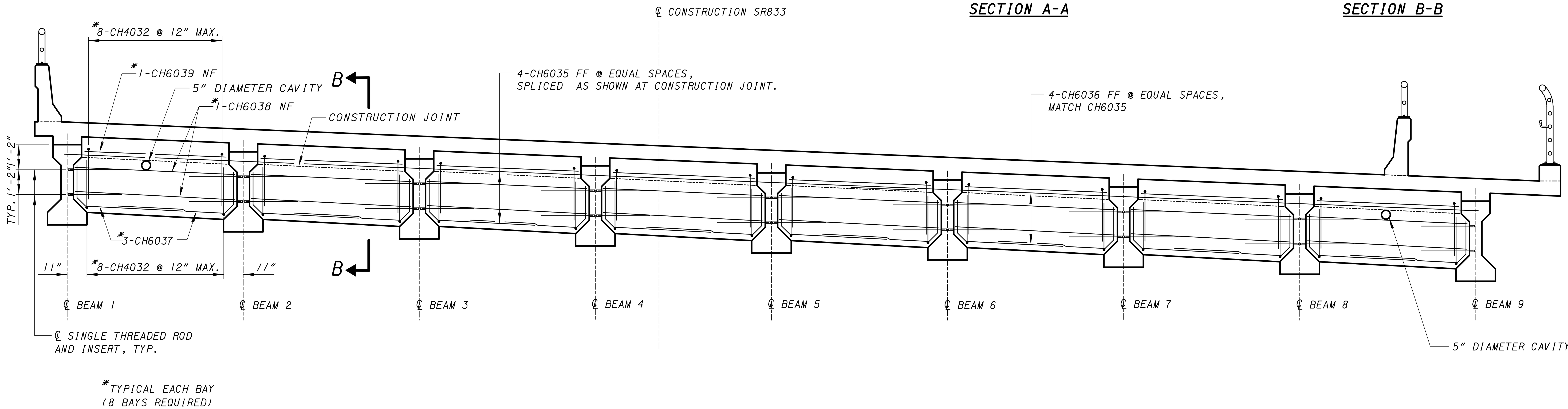
PIER 7 DIAPHRAGM
(LOOKING BACK STATION)



SECTION A-A



SECTION B-B



ABUTMENT 2 DIAPHRAGM
(LOOKING AHEAD STATION)

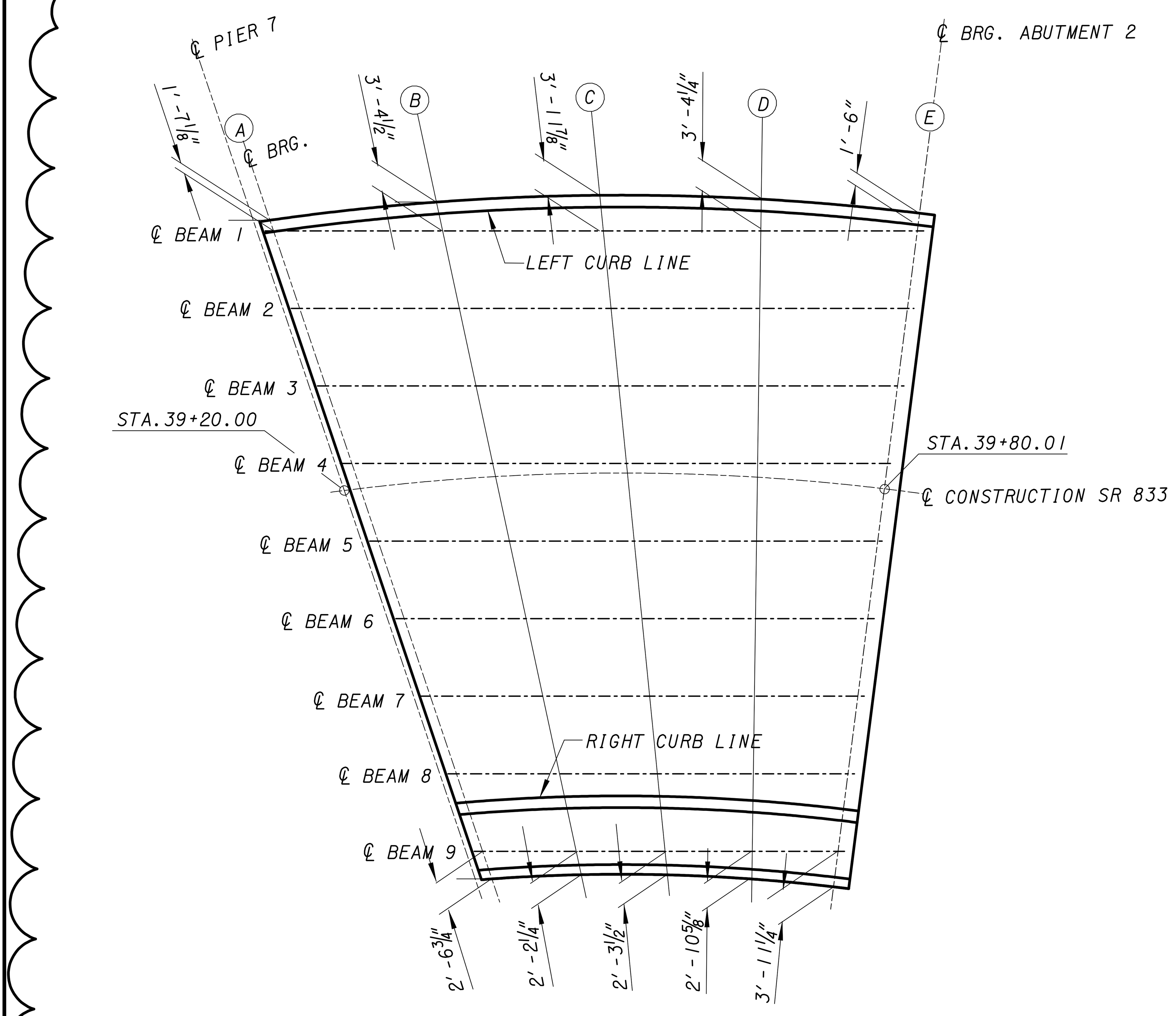
NUMBER	REVISION	DATE	BY
1	REVISED SHEET	12/04	MJZ

DESIGN AGENCY
URS
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED	DRAWN	REVIEWED	DATE
FKL	WJH	JRC	12/04
CHECKED	REVISED	STRUCTURE FILE NUMBER	
MPS		5300916 OH 10385 WV	

DIAPHRAGM DETAILS OHIO APPROACH
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70



DECK PLAN

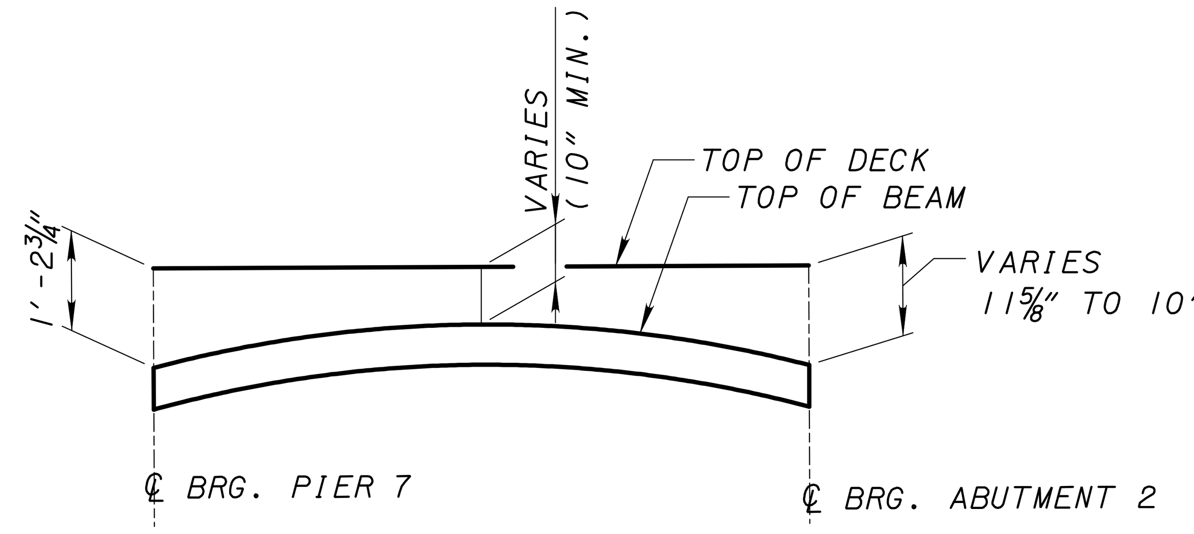
NOTE:
GRID LINES ARE LOCATED AT ℄ BEARINGS AND ¼ PT., MIDSPAN, AND ¾ PT. OF BRG. TO BRG. LENGTH OF BEAMS.

SCREED ELEVATIONS

STA. AT ℄ SR 833	39+22.10	39+36.58	39+51.06	39+65.53	39+80.01
	℄ BRG. A	¼ PT. B	MIDSPAN C	¾ PT. D	℄ BRG. E
LEFT FASCIA	614.34	613.92	613.31	612.44	611.60
LEFT CURB	614.29	613.92	613.43	612.88	612.27
BEAM 1	614.27	613.83	613.31	612.79	612.26
BEAM 2	613.92	613.45	612.95	612.44	611.93
BEAM 3	613.55	613.08	612.59	612.10	611.60
BEAM 4	613.18	612.70	612.23	611.75	611.27
CL CONSTR	613.08	612.65	612.19	611.69	611.15
BEAM 5	612.80	612.33	611.87	611.40	610.94
BEAM 6	612.40	611.95	611.50	611.06	610.61
BEAM 7	612.00	611.56	611.14	610.71	610.28
BEAM 8	611.59	611.18	610.77	610.36	609.96
RIGHT CURB	611.46	611.07	610.67	610.24	609.80
BACK OF RT BARRIER	611.40	611.02	610.61	610.19	609.75
BEAM 9	611.18	610.79	610.40	610.01	609.63
SIDEWALK CURB	611.10	610.73	610.34	609.93	609.51
RIGHT FASCIA	611.09	610.80	610.50	610.17	609.83

CAMBER INFORMATION

	TIME OF RELEASE	TIME OF ERECTION	LONG TERM CAMBER
BEAM 1	1.261	2.238	3.121
BEAM 2	1.218	2.167	3.010
BEAM 3	1.013	1.803	2.502
BEAM 4	0.672	1.194	1.662
BEAM 5	0.622	1.108	1.536
BEAM 6	0.567	1.012	1.398
BEAM 7	0.507	0.906	1.249
BEAM 8	0.447	0.800	1.100
BEAM 9	0.386	0.691	0.949



LONGITUDINAL SECTION THROUGH DECK
(ANTICIPATED DECK + HAUNCH THICKNESS)

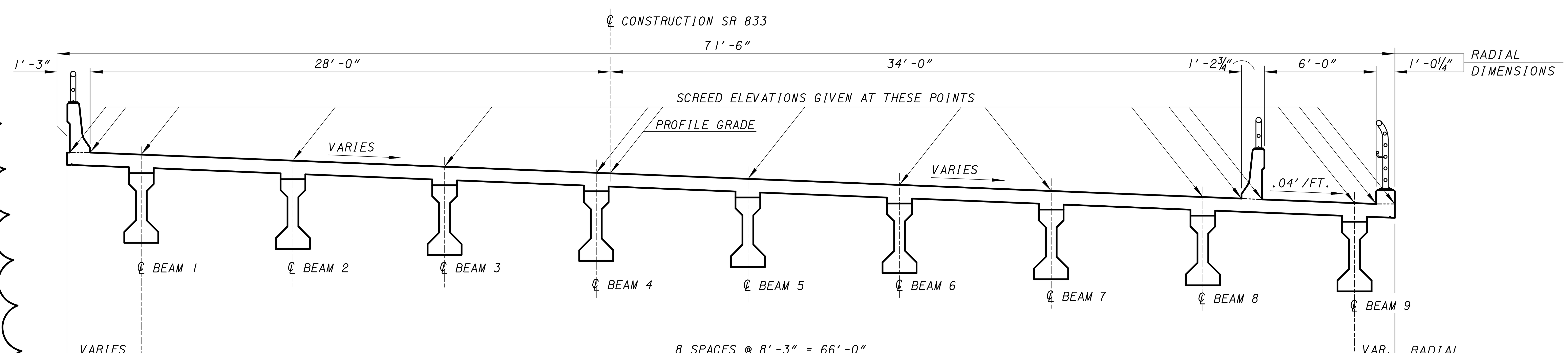
NOTES

SCREED ELEVATIONS SHOWN ARE FOR THE DECK SLAB SURFACE PRIOR TO CONCRETE PLACEMENT. ALLOWANCE HAS BEEN MADE FOR ANTICIPATED CALCULATED DEAD LOAD DEFLECTIONS.

SLAB OFFSETS ARE MEASURED PERPENDICULAR TO THE BEAM AT THE GRID LINE - FASCIA INTERSECTION.

SEE SHEET 3/243 FOR SUPERELEVATION TRANSITION DIAGRAM TO DETERMINE CROSS SLOPES.

THE TOPPING THICKNESSES SHOWN ARE NOMINAL DIMENSIONS. THE PAY QUANTITY FOR DECK CONCRETE SHALL BE BASED ON THE DESIGN SLAB THICKNESS AND THE AVERAGE OF THE NOMINAL HAUNCH DEPTHS AT MID-SPAN AND AT THE BEAM BEARINGS. THE HAUNCH DEPTH ARE THE TOPPING THICKNESS MINUS THE DESIGN SLAB THICKNESS. DEVIATION FROM THIS AVERAGE MAY OCCUR BECAUSE THE TOP OF THE BEAM MAY NOT HAVE THE CAMBER ANTICIPATED BY DESIGN DUE TO CONTRACTOR'S TIME OF ERECTION, MIX DESIGN, AND OTHER FABRICATION FACTORS. ONCE ALL BEAMS ARE SET IN THEIR FINAL POSITION, THE CONTRACTOR SHALL RECORD THE TOP OF BEAM ELEVATIONS AT EACH BEARING AND AT MID-SPAN. THE ACTUAL CAMBER FOR EACH MEMBER SHALL BE THE MEASURED ELEVATION AT MID-SPAN MINUS THE AVERAGE ELEVATION AT EACH BEARING. THE ACTUAL HAUNCH DEPTH AT MID-SPAN SHALL BE THE NOMINAL DIMENSION PLUS OR MINUS THE DIFFERENCE BETWEEN THE ACTUAL AND ANTICIPATED CAMBER.



SECTION
LOOKING AHEAD STATIONS

J:\Project\O\ODOT\4944862 POM-MAS\25862-18\Ohio Approach Revision 9-04\oh2004sd5.dgn
8:56:11 AM
1/12/2011

NUMBER	REVISION	DATE	BY
1	REVISED SHEET	12/04	MJZ

DESIGN AGENCY: URS, 36 EAST 7TH STREET, SUITE 2300, CINCINNATI, OHIO 45202

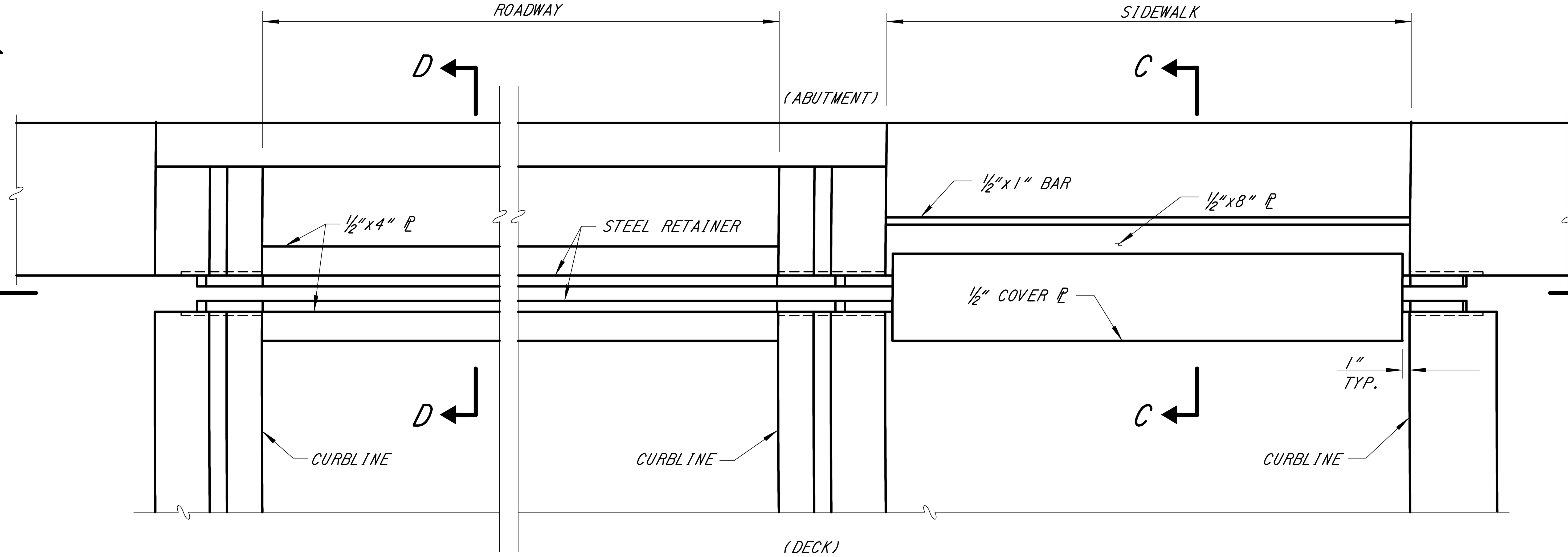
DESIGNED FXL | CHECKED | DRAWN WJH, ALH | REVISED | REVIEWED JRC | DATE 12/04 | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

SCREED ELEVATIONS OHIO APPROACH
BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

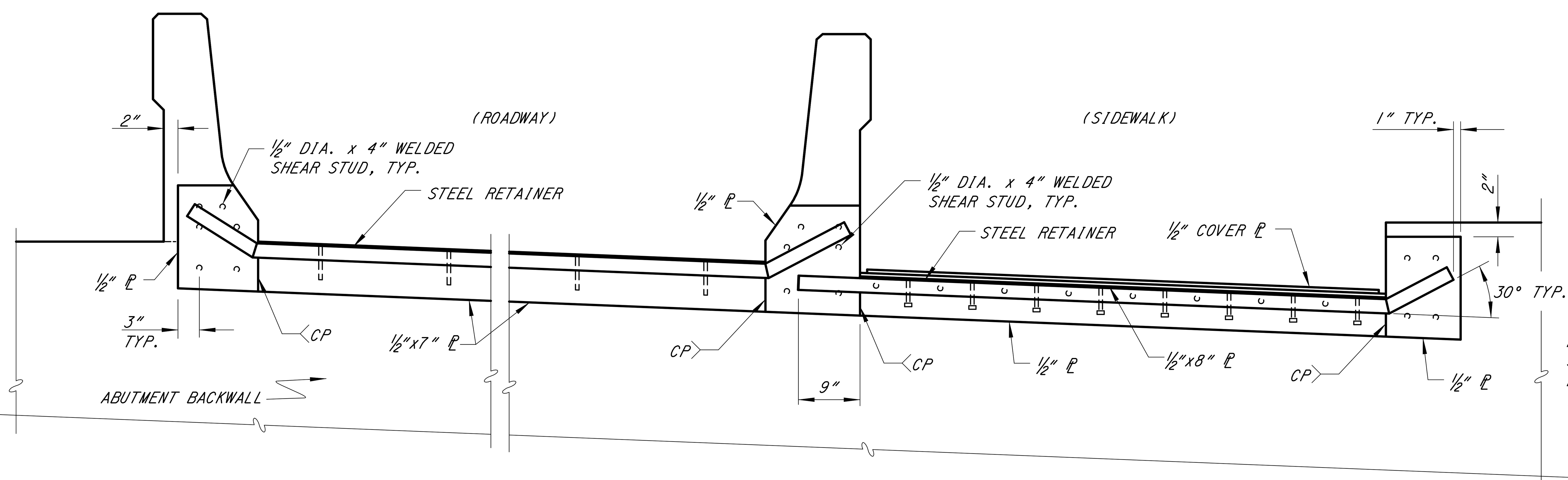
MEG-33-15.70

240/243

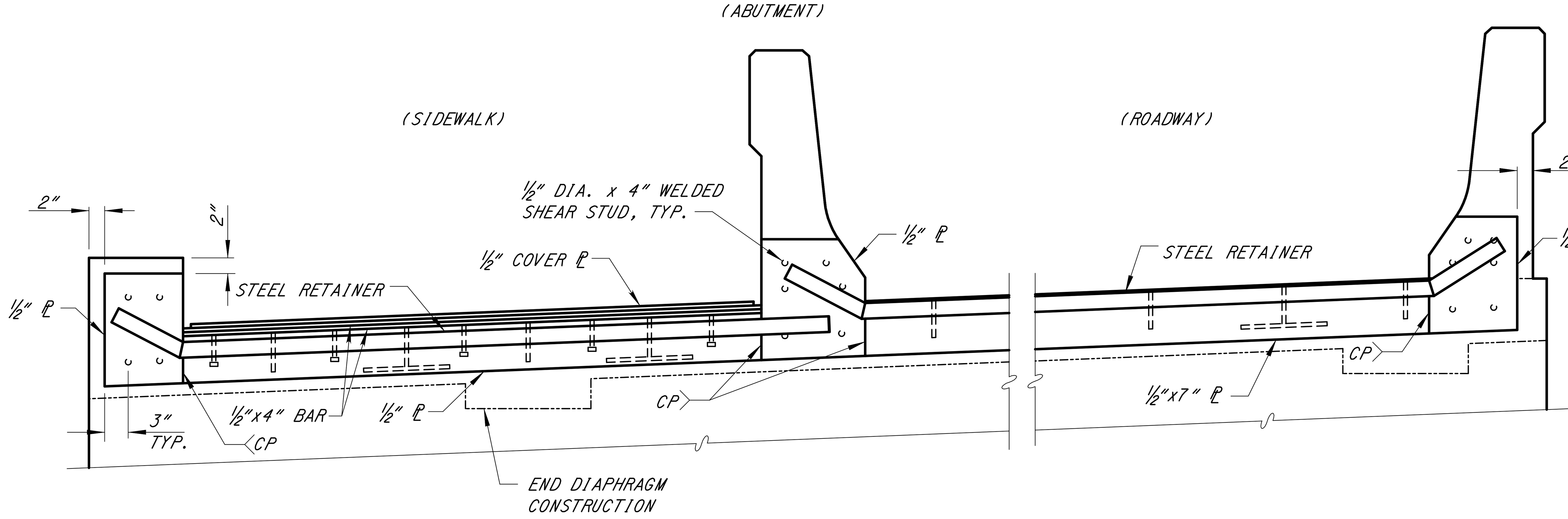
570/582



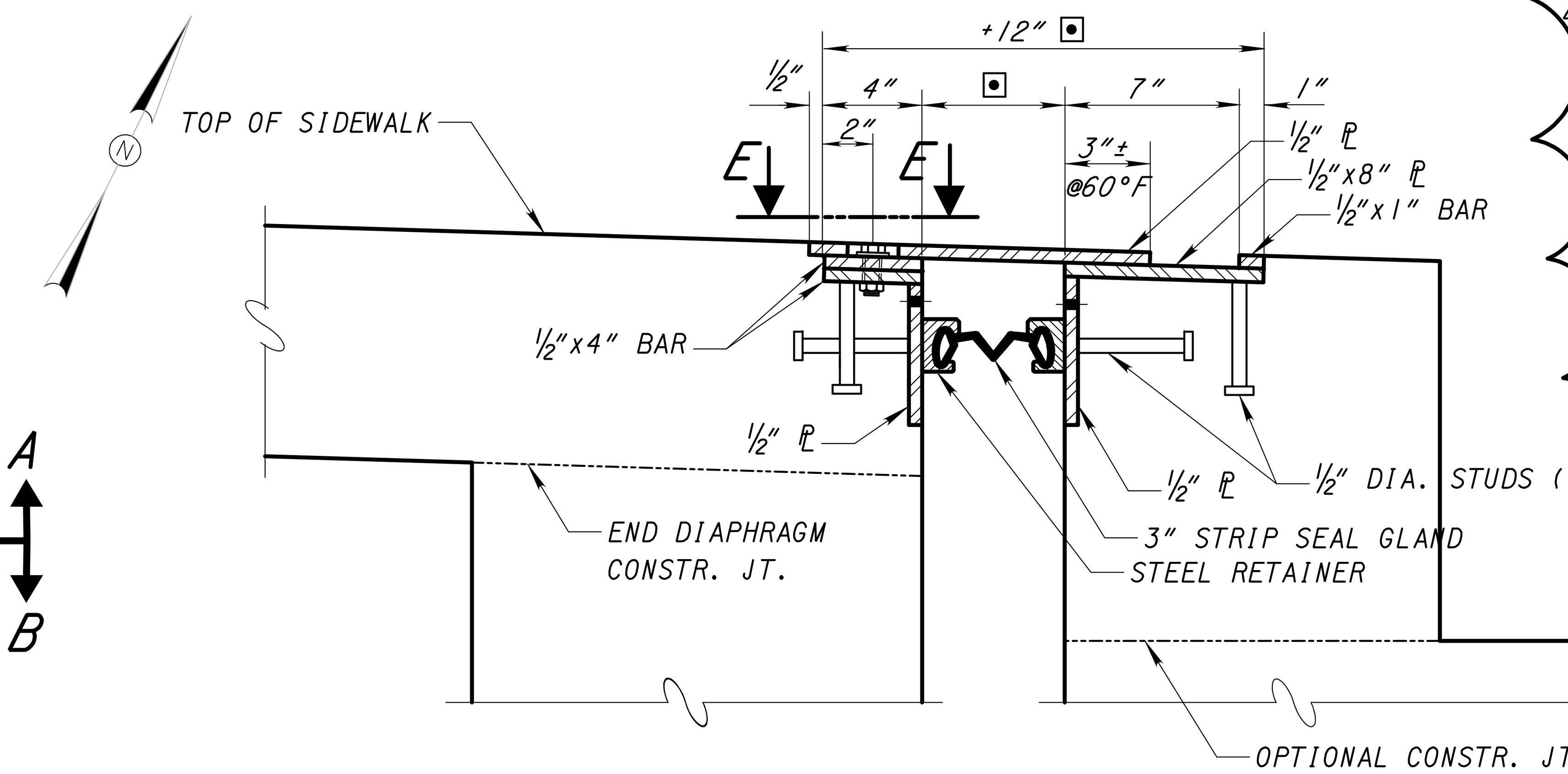
PLAN



SECTION A-A
(ABUTMENT)

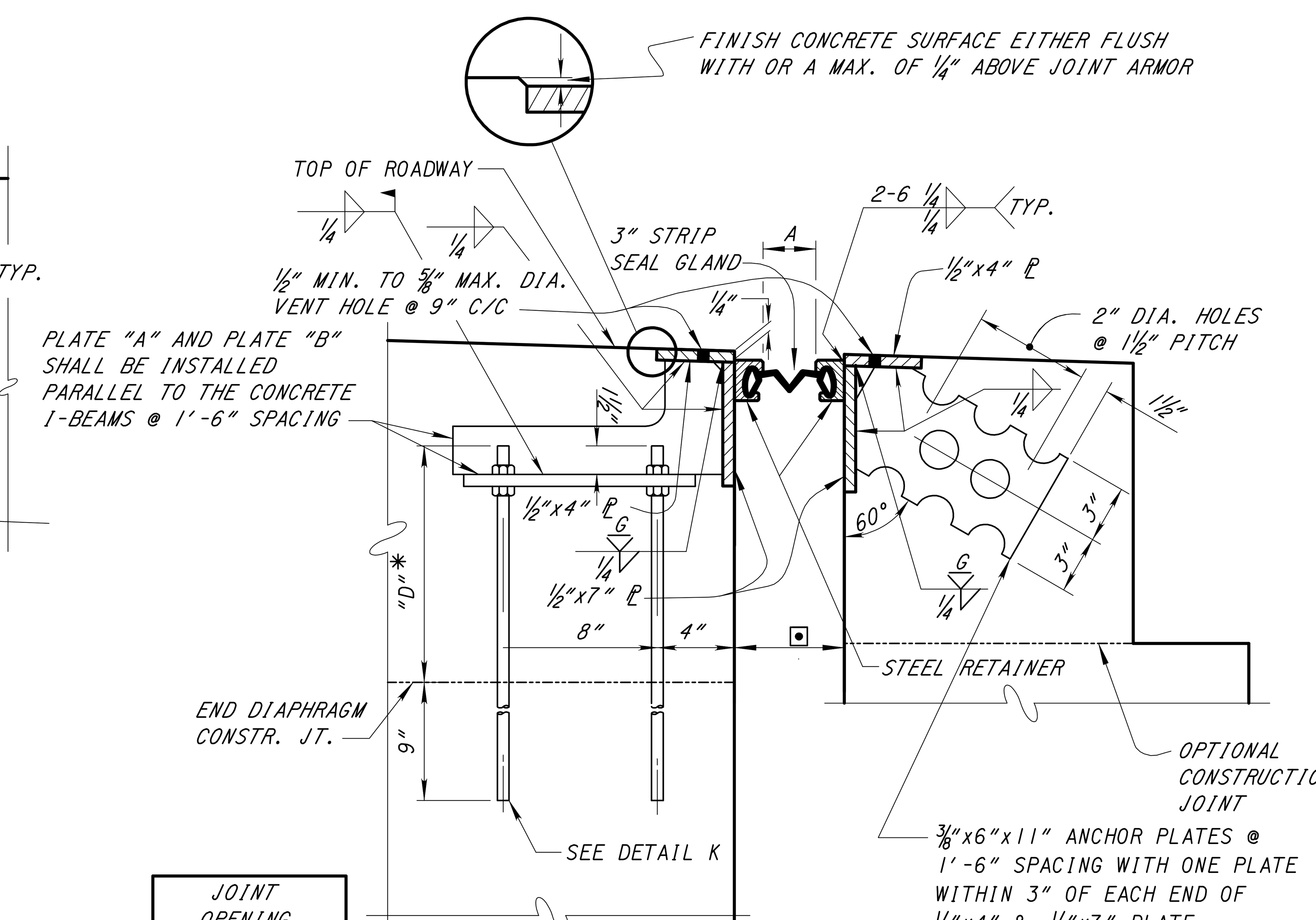


SECTION B-B
(DECK)



SECTION C-C

NOTE: FOR ADDITIONAL DETAILS, SEE SECTION Y-Y ON STD. DWG. EXJ-6-95, SHEET 4 OF 5.



SECTION D-D

JOINT OPENING	
TEMP °F	A
90	1⅜"
80	1⅜"
70	1¼"
60	1¼"
50	1¼"
40	1⅛"
30	1⅛"

⊡ - THIS DIMENSION IS THE SUM OF (2XSTEEL RETAINER WIDTH+DIM. "A").

* - D VARIES FROM 1'-2¼" (NEAR BEAM 1) TO 1'-0½" (NEAR BEAM 9)

NOTES:

1. FOR SECTION E-E, DETAIL K AND ADDITIONAL DETAILS, SEE STD. DWG. EXJ-6-95.

EXPANSION JOINT DETAILS OHIO APPROACH

BRIDGE NO. MEG-33-1570

POMEROY MASON BRIDGE OVER OHIO RIVER

NUMBER	REVISION	DATE	BY
1	REVISED SHEET	12/04	MJZ

DESIGN AGENCY: URS, 36 EAST 7TH STREET, SUITE 2300, CINCINNATI, OHIO 45202

DESIGNED FKL | CHECKED MPS | DRAWN ALH | REVISED | REVIEWED JRC | DATE 12/04

STRUCTURE FILE NUMBER 5300916 OH 10385 WV

MEG-33-15.70

241 / 243

571 / 582

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ABUTMENT 2

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
AH	6	001	138	11- 8	11	7- 0	2- 6	2- 6							
AH	6	002	138	8- 8	11	7- 0	1- 0	1- 0							
AH	8	003	18	45- 5	1	45- 5									
AH	10	004	28	48- 9	1	48- 9									
AH	5	005	17	6-11	10	6- 3	0-10								
AH	5	006	47	8- 6	11	4- 9	2- 0	2- 0							
AH	5	007	17	7-11	10	7- 3	0-10								
AH	5	008	13	8- 9	10	8- 1	0-10								
AH	6	009	25	7- 1	10	6- 3	1- 0								
AH	6	010	25	8- 1	10	7- 3	1- 0								
AH	6	011	19	8-11	10	8- 1	1- 0								
AH	5	012	38	35- 4	1	35- 4									
AH	6	013	8	17- 5	11	1- 5	8- 2	8- 2							
AH	6	014	5	22- 5	11	1- 5	10- 8	10- 8							
AH	5	015	2	SERIES	1	SERIES									
			SETS	3- 5		3- 5									
			OF	TO		TO									
			5	5- 6		5- 6									
AH	5	016	2	SERIES	1	SERIES									
			SETS	5-10		5-10									
			OF	TO		TO									
			5	8- 1		8- 1									
AH	5	017	6	20- 9	1	20- 9									
AH	5	018	10	16- 7	1	16- 7									
AH	5	019	2	SERIES	1	SERIES									
			SETS	3- 6		3- 6									
			OF	TO		TO									
			3	4- 9		4- 9									
AH	5	020	4	4-11	1	4-11									
AH	5	021	2	2-11	1	2-11									
AH	5	022	2	14- 7	1	14- 7									
AH	5	023	2	12- 8	1	12- 8									
AH	5	024	2	9- 2	1	9- 2									
AH	5	025	2	13- 3	12	10- 8	2- 7								23°
AH	5	026	1	11- 0	11	1- 5	4-11	4-11							
AH	5	027	2	18- 5	1	18- 5									
AH	5	028	2	16- 2	1	16- 2									
AH	5	029	2	12- 2	1	12- 2									
AH	5	030	2	4- 4	1	4- 4									
AH	5	031	4	3-11	1	3-11									
AH	5	032	1	15- 7	12	12-10	2- 9								20°
AH	5	033	2	2- 8	1	2- 8									
AH	5	034	2	SERIES	1	SERIES									
			SETS	3- 2		3- 2									
			OF	TO		TO									
			5	5- 2		5- 2									
AH	5	035	3	5- 4	1	5- 4									
AH	5	036	6	42- 2	1	42- 2									
AH	5	037	2	39- 2	1	39- 2									
AH	6	038	69	8- 9	11	1- 5	3-10	3-10							
AH	6	039	69	8- 5	11	1- 5	3- 8	3- 8							
AH	6	040	70	6- 9	11	0-11	3- 1	3- 1							
AH	5	041	1	14- 5	12	12-10	1- 7								20°
AH	5	042	2	4- 8	1	4- 8									
AH	8	043	48	4-11	53	2- 7	1- 5								45°
AH	3	044	4	3- 2	23	1- 4	0- 2	1- 4							
AH	5	045	4	5- 0	54	2- 2	2⅝	1- 2	1- 0	1¼					
AH	5	046	4	4- 7	55	1- 5	1⅞	1- 6	1⅞	1- 0				66°	156°
AH	4	047	16	0-11	1	0-11									
AH	5	048	1	3- 2	1	3- 2									

TOTAL WEIGHT = 20014 LBS.

DRILLED SHAFTS

MARK PX	SZ	ID	NO. BARS	LENGTH FT IN	TYPE	B FT IN	C FT IN	D FT IN	E FT IN	F FT IN	G FT IN	H FT IN	J FT IN	N	PHI Φ
DS	11	001	60	60- 0	1	60- 0									
DS	11	002	60	55- 0	1	55- 0									
DS	11	003	60	49- 7	10	47-11	2- 0								
DS	11	004	60	54- 7	10	52-11	2- 0								
DS	6	005	424	21- 4	24	4- 1	2- 9								

TOTAL WEIGHT = 83452 LBS.

FOR STANDARD BAR BENDING DETAILS, SEE SHEET 14 243 AND 15 243.

NUMBER	REVISION	DATE:	BY:
1	REVISED SHEET	12/04	MJZ

DESIGN AGENCY
URS
36 EAST 7TH STREET
SUITE 2300
CINCINNATI, OHIO 45202

DESIGNED MSL · DRAWN GJW · REVIEWED JRC · DATE 12/04
CHECKED MJZ · REVISED · STRUCTURE FILE NUMBER 5300916 OH 10385 WV

REINFORCING BAR LIST OHIO APPROACH (1)

BRIDGE NO. MEG-33-1570
POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70

SUPERSTRUCTURE

PX	SZ	ID	NO. BARS	LENGTH (FT IN)	TYPE	B	C	D	E	F	G	H	J	N	PHI Φ
CH	4	001	80	30- 0	1	30- 0									
CH	5	002	80	30- 0	1	30- 0									
CH	4	003	10	42- 4	1	42- 4									
CH	5	004	10	42- 7	1	42- 7									
CH	4	005	10	38- 5	1	38- 5									
CH	5	006	10	38- 8	1	38- 8									
CH	4	007	10	34- 6	1	34- 6									
CH	5	008	10	34- 9	1	34- 9									
CH	4	009	10	30- 9	1	30- 9									
CH	5	010	10	31- 0	1	31- 0									
CH	4	011	10	26-10	1	26-10									
CH	5	012	10	27- 1	1	27- 1									
CH	4	013	10	22-11	1	22-11									
CH	5	014	10	23- 1	1	23- 1									
CH	4	015	10	19- 1	1	19- 1									
CH	5	016	10	19- 4	1	19- 4									
CH	4	017	10	15- 2	1	15- 2									
CH	5	018	10	15- 5	1	15- 5									
CH	4	019	8	36-11	1	36-11									
CH	5	020	8	37- 0	1	37- 0									
CH	4	021	8	20- 8	1	20- 8									
CH	5	022	8	20-10	1	20-10									
CH	5	023	284	40- 0	1	40- 0									
CH	5	024	281	6- 0	1	6- 0									
CH	5	025	2	SERIES	1	SERIES									
			SETS	6- 0		6- 0									
			OF	TO		TO									
			19	39- 9		39- 9									
CH	5	026	240	33- 2	1	33- 2									
CH	5	027	2	SERIES	1	SERIES									
			SETS	3- 5		3- 5									
			OF	TO		TO									
			22	32- 5		32- 5									
CH	5	028	4	37- 6	1	37- 6									
CH	5	029	169	4- 2	54	2- 2	2⅝	1- 2	1- 0	1¼					
CH	5	030	169	4- 6	55	1- 5	1⅞	1- 5	1⅞	1- 0				62¾	152¾
CH	3	031	169	3- 2	23	1- 4	0- 2	1- 4							
CH	4	032	128	5- 4	11	1- 2	2- 2	2- 2							
CH	4	033	64	8- 8	11	3- 4	2- 9	2- 9							
CH	4	034	64	6-11	11	0- 9	3- 2	3- 2							
CH	6	035	4	39-10	1	39-10									
CH	6	036	4	29- 3	1	29- 3									
CH	6	037	48	6- 4	22	0- 5	4- 6	0- 5	1- 6	0- 0					
CH	6	038	16	7- 4	1	7- 4									
CH	6	039	8	6- 6	1	6- 6									
CH	6	040	48	10- 2	22	0- 5	4-11	0- 5	4-11	0- 0					
CH	6	041	16	7- 9	1	7- 9									
CH	6	042	8	6-11	1	6-11									
CH	6	043	4	34- 0	1	34- 0									
CH	6	044	4	41- 6	1	41- 6									
CH	6	045	4	7-10	10	6- 6	1- 6								
CH	5	046	5	7- 7	11	4- 0	1-11	1-11							
CH	5	047	2	8-11	42	2- 3	0- 9	1- 2	0- 9		7- 2				
CH	5	048	4	2- 8	1	2- 8									
CH	5	049	4	9- 3	9	2- 1	3- 0	0- 4	0- 0						
CH	5	050	4	2- 6	11	1- 9	0- 6	0- 6							
CH	5	051	4	3- 0	1	3- 0									
CH	5	052	6	8- 2	42	2- 0	0- 9	1- 2	0- 9		6- 8				
CH	5	053	57	4- 6	4	1- 1	0- 8								
CH	4	054	16	36- 8	1	36- 8									
CH	4	055	8	38-10	1	38-10									
CH	4	056	4	41- 9	1	41- 9									
CH	5	057	3	10-11	43	1- 4	1- 4	1- 6	3- 0	3- 0	0				

TOTAL WEIGHT = 39320 LBS.

APPROACH SLAB BARRIERS

PX	SZ	ID	NO. BARS	LENGTH (FT IN)	TYPE	B	C	D	E	F	G	H	J	N	PHI Φ
AP	5	020	75	5- 7	55	1-10	2	1-10	2	1- 0				63°	153°
AP	5	021	121	5-10	54	2- 2	3	1- 2	1- 0	1					
AP	5	022	52	4- 2	25	0- 6	0- 9	1- 0	0-10	1- 9					
AP	5	023	4	4- 1	25	0- 6	0- 9	1- 0	0- 9	1- 9					
AP	5	024	1	3-11	25	0- 5	0- 9	0-10	0- 9	1- 9					
AP	5	025	1	3- 6	25	0- 4	0- 9	0- 8	0- 9	1- 7					
AP	5	026	1	3- 0	25	0- 3	0- 9	0- 6	0- 9	1- 3					
AP	5	027	1	2-10	25	0- 2	0- 9	0- 5	0- 9	1- 2					
AP	5	028	1	SERIES	54	SERIES	3	10		SERIES					
			SETS	2- 4		10				1					
			OF	TO		TO				TO					
			8	4- 8		2- 0				3					
AP	5	029	94	5- 2	4	1- 5	0- 8								
AP	5	030	26	42- 2	1	42- 2									
AP	5	031	122	7-11	1	7-11									
AP	4	020	8	17- 0	1	17- 0									
AP	4	021	8	9- 8	1	9- 8									
AP	4	022	12	30- 0	1	30- 0									
AP	4	023	2	34- 9	1	34- 9									
AP	4	024	2	32- 2	1	32- 2									
AP	4	025	2	29- 6	1	29- 6									
AP	4	026	2	27- 5	1	27- 5									
AP	4	027	4	34- 7	1	34- 7									
AP	4	028	2	9- 3	1	9- 3									
AP	3	020	121	3- 2	23	1- 4	0- 2	1- 4							
AP	3	021	8	2- 8	23	1- 1	0- 2	1- 1							

TOTAL WEIGHT = 4922 LBS.

2

FOR STANDARD BAR BENDING DETAILS, SEE SHEET 14/243 AND 15/243.

NUMBER	REVISION	DATE	BY
1	REVISED REINFORCING	12/04	MJZ
2	REVISED REINFORCING	5/05	MJZ

DESIGN AGENCY: URS, 36 EAST 7TH STREET, SUITE 2300, CINCINNATI, OHIO 45202

REVIEWED JRC | DATE 12/04 | STRUCTURE FILE NUMBER 5300916 OH 10385 WV

DRAWN GJW | REVISED

DESIGNED MSL | CHECKED MJZ

REINFORCING BAR LIST FOR OHIO APPROACH (2)

BRIDGE NO. MEG-33-1570

POMEROY MASON BRIDGE OVER OHIO RIVER

MEG-33-15.70