

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
DEF/HEN-24-12.03/0.00 PART 1

FOR PART 2, SEE DEF-281-1.23

DEFIANCE COUNTY
CITY OF DEFIANCE, NOBLE TOWNSHIP,
RICHLAND TOWNSHIP, ADAMS TOWNSHIP
HENRY COUNTY
NAPOLEON TOWNSHIP

PROJECT DESCRIPTION

A 12.18 MILE UPGRADE OF U.S. 24 FROM TWO LANE UNDIVIDED HIGHWAY TO A FOUR LANE DIVIDED EXPRESSWAY BETWEEN THE CITY OF DEFIANCE AND THE CITY OF NAPOLEON. PROVIDE A GRADE SEPARATION AT CARPENTER ROAD AND A DIAMOND INTERCHANGE AT DOMERSVILLE ROAD ALONG WITH SEVEN AT-GRADE INTERSECTIONS. RELOCATE FOUR EXISTING INTERSECTIONS. RELOCATION OF ELLIOTT ROAD AND CONSTRUCTION OF A CONNECTOR ROAD BETWEEN ADAMS RIDGE ROAD AND JEWELL ROAD.

LIMITED ACCESS

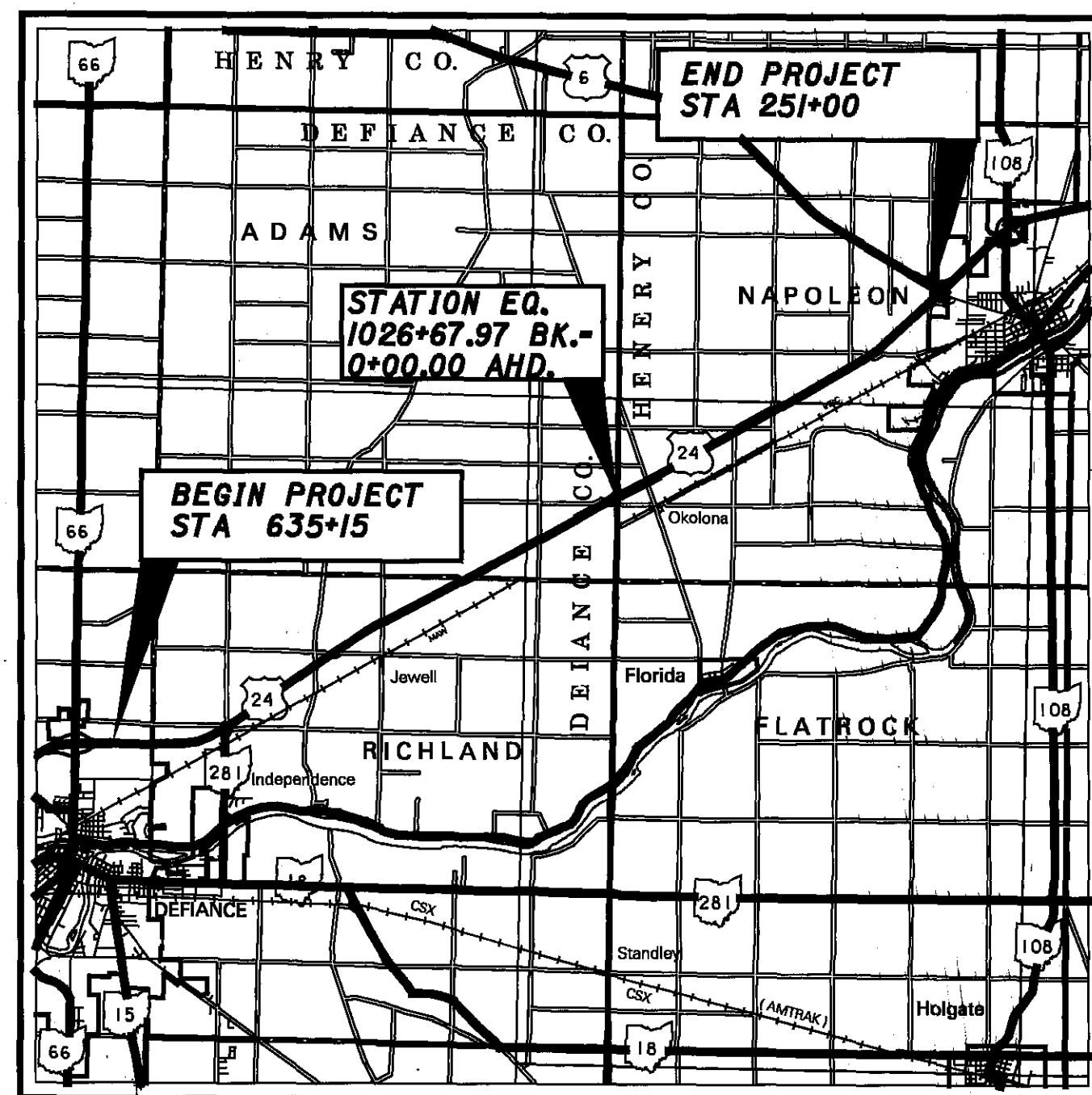
THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

2005 SPECIFICATIONS

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

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT DETOURS WILL BE PROVIDED AS INDICATED ON SHEET 39.

UNDER AUTHORITY OF SECTION 4511.21, DIVISION (H) OF THE OHIO REVISED CODE, THE REVISED PRIMA FACIE SPEED LIMITS AS INDICATED HEREIN ARE DETERMINED TO BE REASONABLE AND SAFE, AND ARE HEREBY ESTABLISHED FOR THE DURATION OF THIS PROJECT. THE PRIMA FACIE SPEED LIMIT OR LIMITS HEREBY ESTABLISHED SHALL BECOME EFFECTIVE WHEN APPROPRIATE SIGNS GIVING NOTICE THEREOF ARE ERECTED.



LOCATION MAP

LATITUDE: N 41°-21'-23" LONGITUDE: W 84°-13'-39"

SCALE IN MILES



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

DESIGN DESIGNATION - (See Sheets 2 & 3)

DESIGN EXCEPTIONS

Design Feature	Approval Date	Sheet Numbers
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UNDERGROUND UTILITIES
TWO WORKING DAYS
BEFORE YOU DIG
CALL 1-800-362-2764 (TOLL FREE)
OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS
MUST BE CALLED DIRECTLY

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BP-2J	7-16-04	RM-1J	1-20-06	AS-181	7-19-02	MT-962I	4-19-02	TC-511J	4-20-01	800	7-21-06
BP-22	7-16-04	RM-42	4-18-03	BR-1	7-19-02	MT-97J0	4-19-02	TC-511J2	4-20-01	802	4-15-05
BP-3J	7-16-04	RM-7J	7-15-05	PSID-199	7-18-03	MT-9920M	1-30-95	TC-5210	4-20-01	832	4-15-06
BP-4J	7-16-04			SBR-199	7-19-02	MT-100.00	4-19-02	TC-52.20	4-20-01		
BP-5J	7-28-00	CB-3J	7-15-05	SICD-196	7-19-02	MT-101.20	10-18-02	TC-61J0	1-19-01	872	10-30-03
BP-8J	7-28-00	HW-1J	1-21-05				10-18-02	TC-65J0	1-21-05	880	4-15-05
BP-9J	4-15-05	HW-2J	1-20-06	HL-10J1	1-16-04	MT-101.70	10-18-02	TC-65J1	1-21-05		
F-2J	7-28-00	HW-22	7-15-05	HL-10J2	1-21-05	MT-102J0	10-18-02	TC-71J0	1-21-05	888	1-3-02
F-3J	7-28-00	LA-12	7-28-00	HL-10J3	1-17-03	MT-102.20	10-18-02	TC-72.20	1-21-05	898	7-16-04
F-33	7-28-00	MH-12	1-20-06	HL-20J1	4-19-02	MT-105J0	10-18-02	TC-73J0	1-19-01	1059	4-15-05
F-34	7-28-00			HL-30J1	1-21-05	MT-105J1	10-18-02	TC-81J0	5-01-00		
GR-1J	7-16-04	DM-1J	10-20-05	HL-30.21	4-19-02	MT-120.00	3-01-00	TC-81.20	1-16-04		
GR-2J	1-16-04	DM-12	10-20-05	HL-30.22	1-21-05	TC-21.20	1-19-01	TC-82J0	4-19-02		
GR-3J	4-18-03	DM-14	1-21-05	HL-40J0	4-19-02	TC-22J0	1-19-01	TC-83J0	5-01-00		
GR-32	4-18-03	DM-3J	7-19-02	HL-60J1	1-16-04	TC-22.20	1-19-01	TC-83.20	1-16-04		
GR-4J	4-18-03	DM-4J	7-19-02	HL-60J2	1-21-05	TC-41J0	1-19-01	TC-84.20	5-01-00		
GR-42	4-15-05	DM-43	7-19-02			TC-41.20	1-19-01	TC-84.21	3-06-00		
GR-52	1-16-04	DM-44	7-19-02	MT-35J0	4-20-01	TC-41.40	7-16-04	TC-85.20	5-01-00		
GR-53	1-16-04	DM-5J	7-19-02	MT-95.30	7-16-04	TC-41.50	7-16-04				
GR-6J	4-18-03			MT-95.70	4-19-02	TC-42J0	1-19-01	A-1-69	7-19-02		7-1-04
GR-62	4-18-03	WQ-12	1-21-05	MT-95.82	4-19-02	TC-42.20	7-16-04	EXJ-4-87	7-19-02		MSE WALLS
								GSD-1-96	7-19-02		7-15-05

ROADWAY ENGINEER SEAL:



SIGNED: *Darren J. Schimmoller*
DATE: 6-7-06

PLAN PREPARED BY:
DISTRICT NO. 1
OHIO DEPARTMENT OF
TRANSPORTATION

DETAIL BRIDGE ENGINEER SEAL

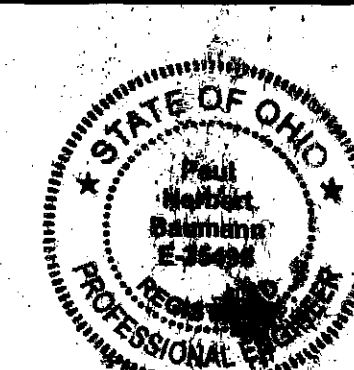
CARPENTER RD.

SR 281/DOMERSVILLE RD.

GARRETT CREEK



SIGNED: *George Tomczak*
DATE: 6-8-06



SIGNED: *Paul A. Baumann*
DATE: 4-08-06



SIGNED: *Eric J. Schachtelhoff*
DATE: 6-7-06

EARTH DISTURBED AREAS (E.D.A.)

Project E.D.A.	376.0 Acres
Estimated Contractor E.D.A.	30.0 Acres
NOI E.D.A.	406.0 Acres

APPROVED *[Signature]*
DATE 6/7/06 DISTRICT DEPUTY DIRECTOR

APPROVED *[Signature]*
DATE 7-19-06 DIRECTOR, DEPARTMENT OF
TRANSPORTATION

FEDERAL PROJECT NO.
E040(507)

PID NO.
19047

CONSTRUCTION PROJECT NO.

RAILROAD INVOLVEMENT
NONE

DEF/HEN-24-12.03/0.00

851



DESIGN DESIGNATION - U.S. 24 (West of S.R. 281)

CURRENT ADT (2007)	1200
DESIGN YEAR ADT (2027)	16700
DESIGN HOURLY VOLUME (2027)	1503
DIRECTIONAL DISTRIBUTION	55%
TRUCKS (24 HOUR B&C)	50%
DESIGN SPEED	65 MPH
LEGAL SPEED	65 MPH

DESIGN FUNCTIONAL CLASSIFICATION - PRINCIPAL ARTERIAL / EXPRESSWAY

DESIGN DESIGNATION - U.S. 24 (East of S.R. 281)

CURRENT ADT (2007)	11950
DESIGN YEAR ADT (2027)	18490
DESIGN HOURLY VOLUME (2027)	1664
DIRECTIONAL DISTRIBUTION	55%
TRUCKS (24 HOUR B&C)	50%
DESIGN SPEED	65 MPH
LEGAL SPEED	65 MPH

DESIGN FUNCTIONAL CLASSIFICATION - PRINCIPAL ARTERIAL / EXPRESSWAY

DESIGN DESIGNATION - ELLIOTT ROAD WEST

CURRENT ADT (2007)	2140
DESIGN YEAR ADT (2027)	3450
DESIGN HOURLY VOLUME (2027)	345
DIRECTIONAL DISTRIBUTION	55%
TRUCKS (24 HOUR B&C)	4%
DESIGN SPEED	55 MPH
LEGAL SPEED	55 MPH

DESIGN FUNCTIONAL CLASSIFICATION - Local

DESIGN DESIGNATION - DOMERSVILLE RD. (N. RAMPS - ELLIOTT)

CURRENT ADT (2007)	3460
DESIGN YEAR ADT (2027)	5010
DESIGN HOURLY VOLUME (2027)	501
DIRECTIONAL DISTRIBUTION	55%
TRUCKS (24 HOUR B&C)	4%
DESIGN SPEED	55 MPH
LEGAL SPEED	55 MPH

DESIGN FUNCTIONAL CLASSIFICATION - Major Collector

DESIGN DESIGNATION - DOMERSVILLE RD. (NORTH OF ELLIOTT)

CURRENT ADT (2007)	2600
DESIGN YEAR ADT (2027)	2920
DESIGN HOURLY VOLUME (2027)	292
DIRECTIONAL DISTRIBUTION	55%
TRUCKS (24 HOUR B&C)	11%
DESIGN SPEED	55 MPH
LEGAL SPEED	55 MPH

DESIGN FUNCTIONAL CLASSIFICATION - Major Collector

CURVE DATA (Elliott Rd. - West)

P.I. Sta = 57+58.84
 D = 51' 58" 42" (LT)
 Dc = 5' 59' 58"
 R = 955.00'
 Ls = 213.00'
 Theta = 6' 23' 22"
 LT = 142.09'
 ST = 71.08'
 x = 212.74'
 y = 7.91'
 k = 106.46'
 p = 1.98'
 Dc = 39' 11" 58" (LT)
 Lc = 653.37'
 Ts = 572.98'
 Es = 109.64'
 Max. Super. = 0.083
 TS = 51+85.85
 SC = 53+98.85
 CS = 60+52.23
 ST = 62+65.23

CURVE DATA (Elliott Rd. - West)

P.I. Sta = 76+04.11
 D = 52' 00' 00" (RT)
 Dc = 5' 59' 58"
 R = 955.00'
 Ls = 213.00'
 Theta = 6' 23' 22"
 LT = 142.09'
 ST = 71.08'
 x = 212.74'
 y = 7.91'
 k = 106.46'
 p = 1.98'
 Dc = 39' 13' 15" (RT)
 Lc = 653.73'
 Ts = 573.21'
 Es = 109.74'
 Max. Super. = 0.083
 TS = 70+30.90
 SC = 72+43.90
 CS = 78+97.63
 ST = 81+10.63

CURVE DATA (Elliott Rd. - East)

P.I. Sta = 205+03.05
 D = 30' 02' 44" (LT)
 Dc = 5' 59' 58"
 R = 955.00'
 Ls = 213.00'
 Theta = 6' 23' 22"
 LT = 142.09'
 ST = 71.08'
 x = 212.74'
 y = 7.91'
 k = 106.46'
 p = 1.98'
 Dc = 17' 15' 59" (LT)
 Lc = 287.80'
 Ts = 363.28'
 Es = 35.84'
 Max. Super. = 0.083
 TS = 201+39.77
 SC = 203+52.77
 CS = 206+40.56
 ST = 208+53.56

CURVE DATA (Elliott Rd. - East)

P.I. Sta = 22+07.36
 D = 49' 19' 53" (LT)
 Dc = 5' 59' 58"
 R = 955.00'
 Ls = 213.00'
 Theta = 6' 23' 22"
 LT = 142.09'
 ST = 71.08'
 x = 212.74'
 y = 7.91'
 k = 106.46'
 p = 1.98'
 Dc = 36' 33' 08" (LT)
 Lc = 609.25'
 Ts = 545.92'
 Es = 98.06'
 Max. Super. = 0.083
 TS = 215+61.44
 SC = 217+74.44
 CS = 223+83.69
 ST = 225+96.69

BEGIN WORK STA. 2059+46 SLM 25.64

BEGIN PROJECT STA. 635+15 SLM 12.03 E040(507)

Structure No. DEF-24-1257

STA. 663+64.07 C. R/W & CONST. U.S.R. 24 = STA. 15+00 C. R/W & CONST. CARPENTER RD.

Structure No. DEF-24-1357

For Interchange Details, See Sheet 7 of 7.

** - WILL USE 'AASHTO'S GUIDELINES FOR GEOMETRIC DESIGN OF VERY LOW-VOLUME ROADS (ADT'S < 400)' FOR STANDARDS.

DESIGN DESIGNATION - CARPENTER RD. (Over U.S. 24)

CURRENT ADT (2007)	2500
DESIGN YEAR ADT (2027)	2650
DESIGN HOURLY VOLUME (2027)	265
DIRECTIONAL DISTRIBUTION	55%
TRUCKS (24 HOUR B&C)	11%
DESIGN SPEED	55 MPH
LEGAL SPEED	55 MPH

DESIGN FUNCTIONAL CLASSIFICATION - URBAN COLLECTOR

DESIGN DESIGNATION - S.R. 281 (Over U.S. 24)

CURRENT ADT (2007)	6930
DESIGN YEAR ADT (2027)	9480
DESIGN HOURLY VOLUME (2027)	853
DIRECTIONAL DISTRIBUTION	62%
TRUCKS (24 HOUR B&C)	65%
DESIGN SPEED	55 MPH
LEGAL SPEED	55 MPH

DESIGN FUNCTIONAL CLASSIFICATION - Major Collector

DESIGN DESIGNATION - S.R. 281

CURRENT ADT (2007)	10540
DESIGN YEAR ADT (2027)	13640
DESIGN HOURLY VOLUME (2027)	1228
DIRECTIONAL DISTRIBUTION	55%
TRUCKS (24 HOUR B&C)	6.5%
DESIGN SPEED	55 MPH
LEGAL SPEED	55 MPH

DESIGN FUNCTIONAL CLASSIFICATION - Major Collector

DESIGN DESIGNATION - COMMERCE DRIVE

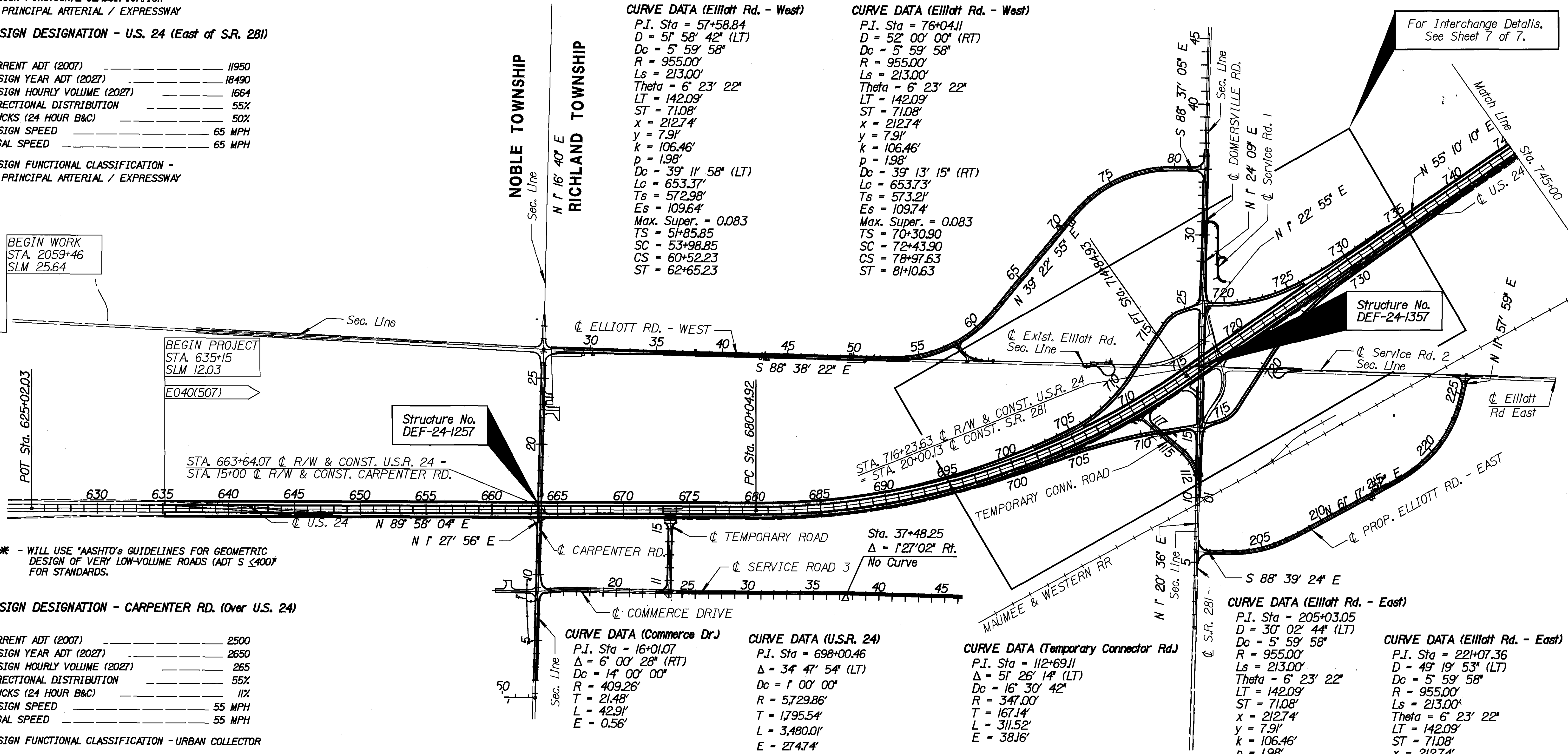
CURRENT ADT (2005)	0
DESIGN YEAR ADT (2025)	600 Trucks (Pavement)
DESIGN HOURLY VOLUME (2025)	4000 Cross Section
DIRECTIONAL DISTRIBUTION	10%
TRUCKS (24 HOUR B&C)	50%
DESIGN SPEED	55 MPH
LEGAL SPEED	55 MPH

DESIGN FUNCTIONAL CLASSIFICATION - Local Minor Collector

DESIGN DESIGNATION - ELLIOTT ROAD EAST

CURRENT ADT (2007)	220
DESIGN YEAR ADT (2027)	300
DESIGN HOURLY VOLUME (2027)	39
DIRECTIONAL DISTRIBUTION	55%
TRUCKS (24 HOUR B&C)	4%
DESIGN SPEED	55 MPH
LEGAL SPEED	55 MPH

DESIGN FUNCTIONAL CLASSIFICATION - Local



SCHEMATIC PLAN

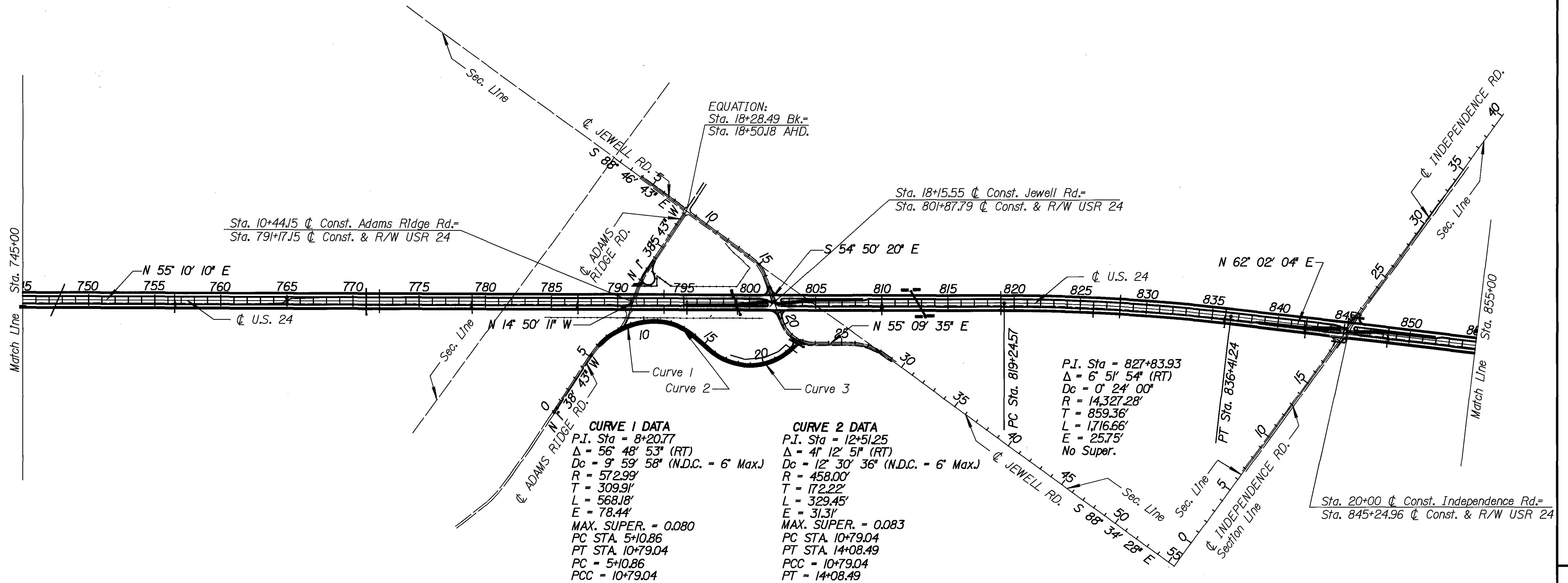
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DESIGN DESIGNATION - JEWELL ROAD - WEST

CURRENT ADT (2007) _____ 870
 DESIGN YEAR ADT (2027) _____ 1080
 DESIGN HOURLY VOLUME (2027) _____ 119
 DIRECTIONAL DISTRIBUTION _____ 55%
 TRUCKS (24 HOUR B&C) _____ 4%
 DESIGN SPEED _____ 55 MPH
 LEGAL SPEED _____ 55 MPH

DESIGN FUNCTIONAL CLASSIFICATION - Local



EQUATION:
 Sta. 18+28.49 Bk.=
 Sta. 18+50.18 AHD.

Sta. 10+44.15 \bar{C} Const. Adams Ridge Rd.=
 Sta. 791+17.15 \bar{C} Const. & R/W USR 24

Sta. 18+15.55 \bar{C} Const. Jewell Rd.=
 Sta. 801+87.79 \bar{C} Const. & R/W USR 24

Sta. 20+00 \bar{C} Const. Independence Rd.=
 Sta. 845+24.96 \bar{C} Const. & R/W USR 24

CURVE 1 DATA
 P.I. Sta = 8+20.77
 Δ = 56° 48' 53" (RT)
 Dc = 9' 59' 58" (N.D.C. = 6' Max.)
 R = 572.99'
 T = 309.91'
 L = 568.18'
 E = 78.44'
 MAX. SUPER. = 0.080
 PC STA. 5+10.86
 PT STA. 10+79.04
 PC = 5+10.86
 PCC = 10+79.04

CURVE 2 DATA
 P.I. Sta = 12+51.25
 Δ = 4° 12' 51" (RT)
 Dc = 12' 30' 36" (N.D.C. = 6' Max.)
 R = 458.00'
 T = 172.22'
 L = 329.45'
 E = 31.31'
 MAX. SUPER. = 0.083
 PC STA. 10+79.04
 PT STA. 14+08.49
 PCC = 10+79.04
 PT = 14+08.49

CURVE 3 DATA
 P.I. Sta = 20+03.20
 Δ = 87° 27' 15" (LT)
 Dc = 12' 30' 36" (N.D.C. = 6' Max.)
 R = 458.00'
 T = 438.09'
 L = 699.07'
 E = 175.79'
 MAX. SUPER. = 0.083
 PC STA. 15+65.11
 PT STA. 22+64.18
 PC = 15+65.11
 PT = 22+64.18

P.I. Sta = 827+83.93
 Δ = 6° 51' 54" (RT)
 Dc = 0' 24' 00"
 R = 14,327.28'
 T = 859.36'
 L = 1,716.66'
 E = 25.75'
 No Super.

DESIGN DESIGNATION - ADAMS RIDGE ROAD

CURRENT ADT (2007) _____ 140
 DESIGN YEAR ADT (2027) _____ 220
 DESIGN HOURLY VOLUME (2027) _____ 29
 DIRECTIONAL DISTRIBUTION _____ 55%
 TRUCKS (24 HOUR B&C) _____ 3%
 DESIGN SPEED _____ 55 MPH
 LEGAL SPEED _____ 55 MPH

DESIGN FUNCTIONAL CLASSIFICATION - Local

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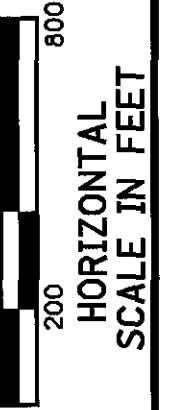
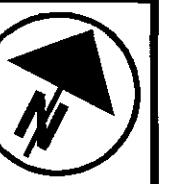
** - WILL USE "AASHTO'S GUIDELINES FOR GEOMETRIC DESIGN OF VERY LOW-VOLUME ROADS (ADT < 400)" FOR STANDARDS.

DESIGN DESIGNATION - JEWELL ROAD - EAST

CURRENT ADT (2007) _____ 790
 DESIGN YEAR ADT (2027) _____ 910
 DESIGN HOURLY VOLUME (2027) _____ 109
 DIRECTIONAL DISTRIBUTION _____ 55%
 TRUCKS (24 HOUR B&C) _____ 4%
 DESIGN SPEED _____ 55 MPH
 LEGAL SPEED _____ 55 MPH

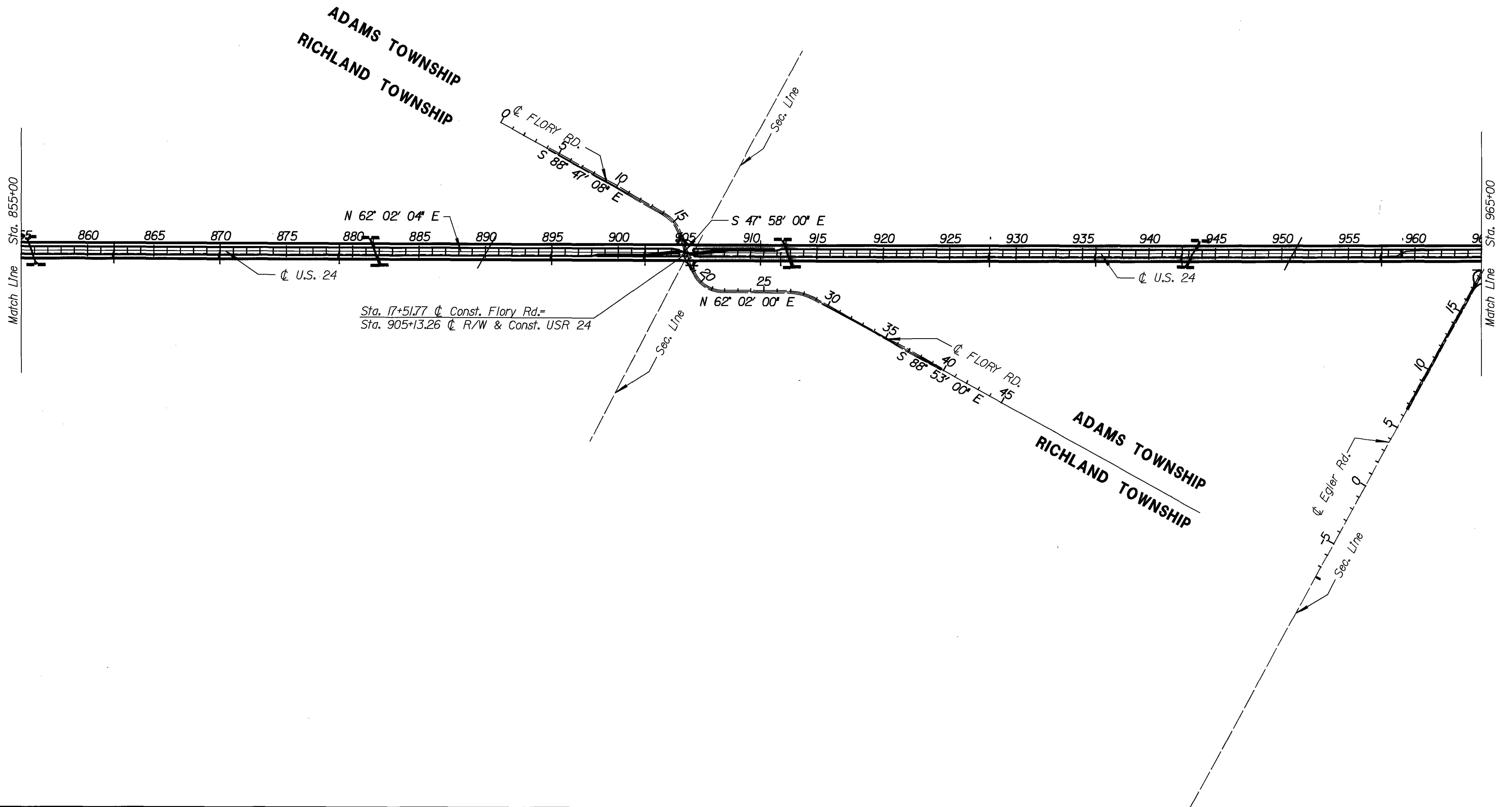
DESIGN FUNCTIONAL CLASSIFICATION - Local

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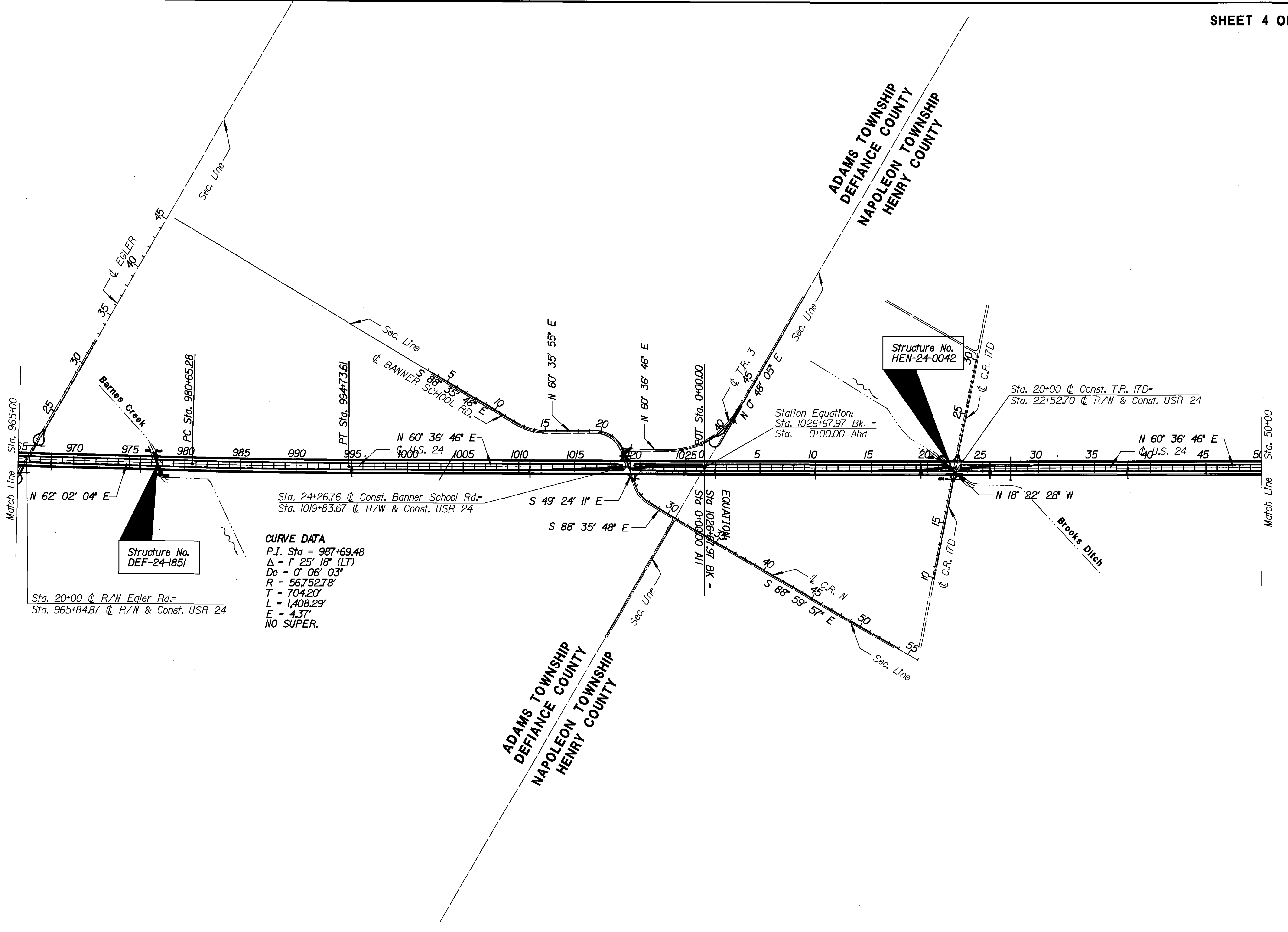


SCHEMATIC PLAN

DEF/HEN-24-12.03/0.00



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USER NAME : dschimm
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TIME : 14:07



CURVE DATA
P.I. Sta = 987+69.48
 $\Delta = 1^\circ 25' 18''$ (LT)
 $D_c = 0^\circ 06' 03''$
 $R = 56,752.78'$
 $T = 704.20'$
 $L = 1,408.29'$
 $E = 4.37'$
NO SUPER.

Structure No.
DEF-24-1851

Structure No.
HEN-24-0042

Station Equation:
Sta. 1026+67.97 Bk. =
Sta. 0+00.00 Ahd

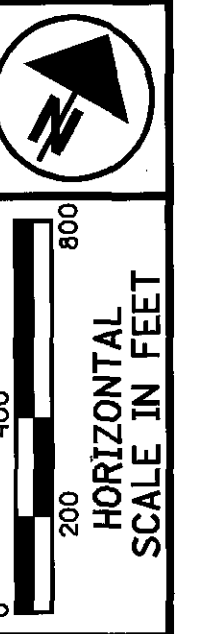
Sta. 20+00 ϕ Const. T.R. 17D=
Sta. 22+52.70 ϕ R/W & Const. USR 24

Sta. 20+00 ϕ R/W Egler Rd.=
Sta. 965+84.87 ϕ R/W & Const. USR 24

Sta. 24+26.76 ϕ Const. Banner School Rd.=
Sta. 1019+83.67 ϕ R/W & Const. USR 24

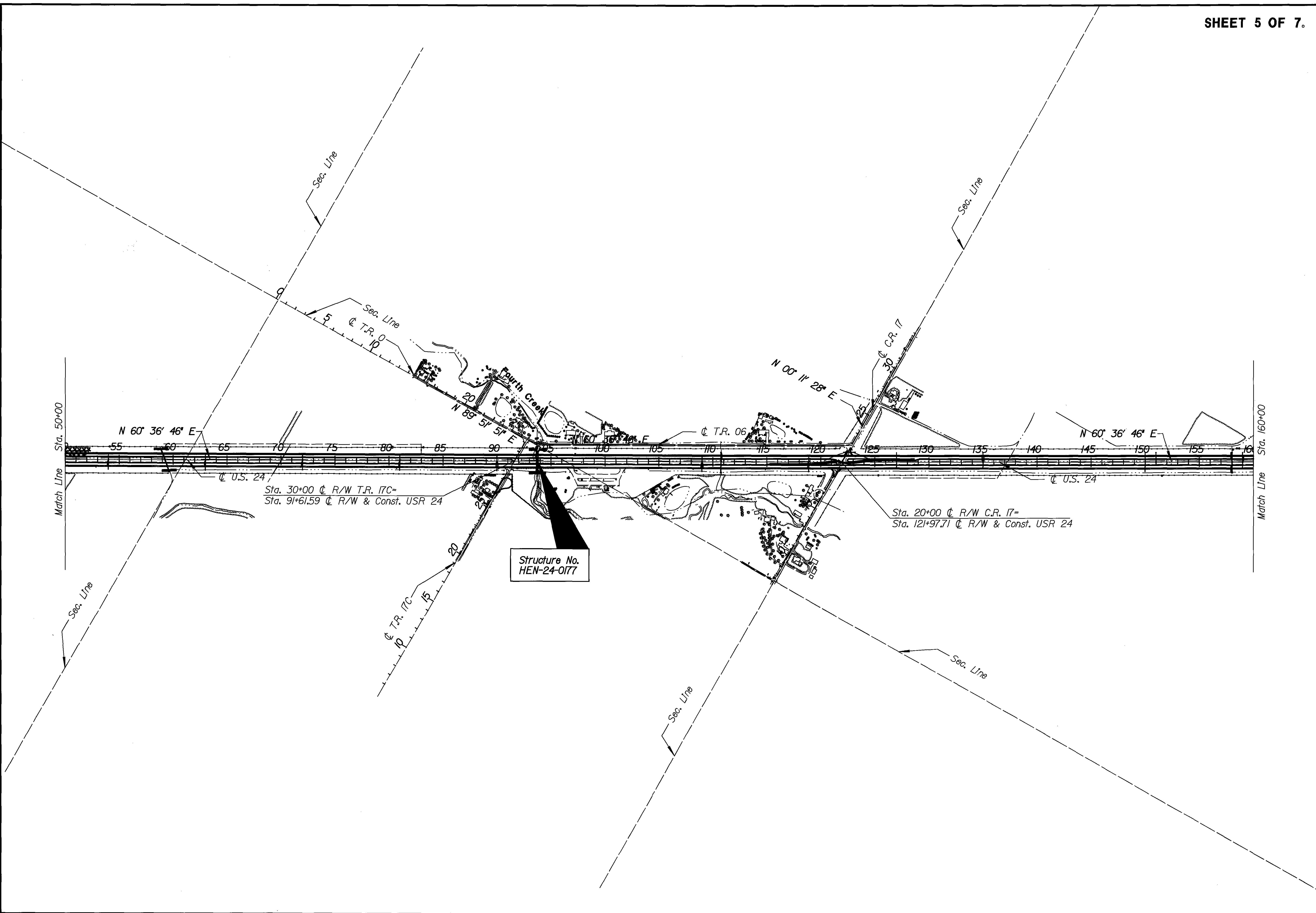
SCHEMATIC PLAN

DEF/HEN-24-12.03/0.00



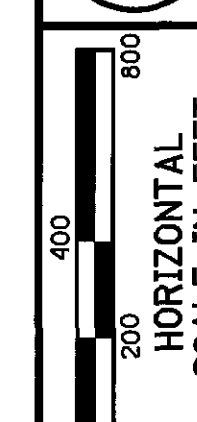
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DATE : 06-JUN-2006
TIME : 14:07



SCHEMATIC PLAN

DEF/HEN-24-12.03/0.00



SCHEMATIC PLAN

DEF/HEN-24-12.03/0.00

7

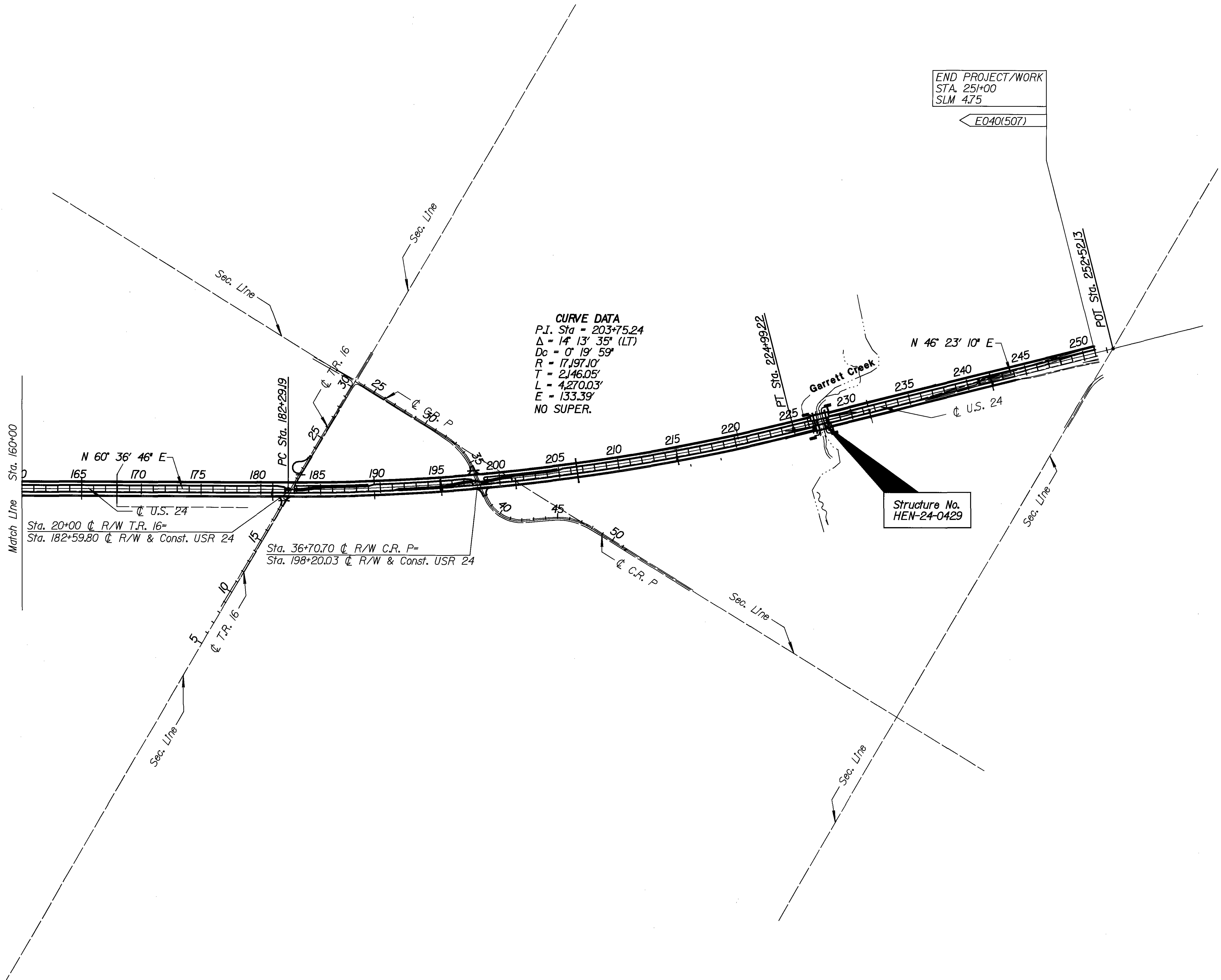
851

END PROJECT/WORK
STA. 251+00
SLM 4.75

E040(507)

CURVE DATA
P.I. Sta = 203+75.24
 $\Delta = 14^\circ 13' 35''$ (LT)
Dc = $0^\circ 19' 59''$
R = 17,197.10'
T = 2,146.05'
L = 4,270.03'
E = 133.39'
NO SUPER.

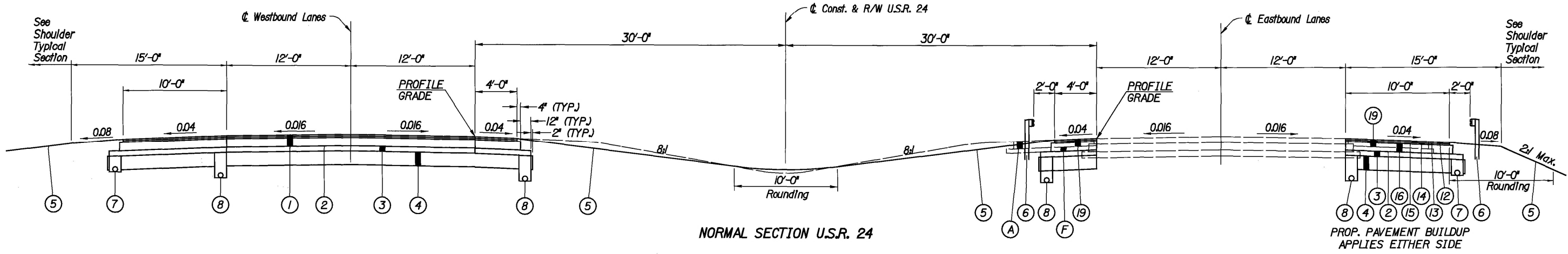
Structure No.
HEN-24-0429



DESIGN FILE : I:\pdc\19047\Construction\19047gb.dgn
USERNAME : dschimm

DATE : 06-JUN-2006
TIME : 14:07

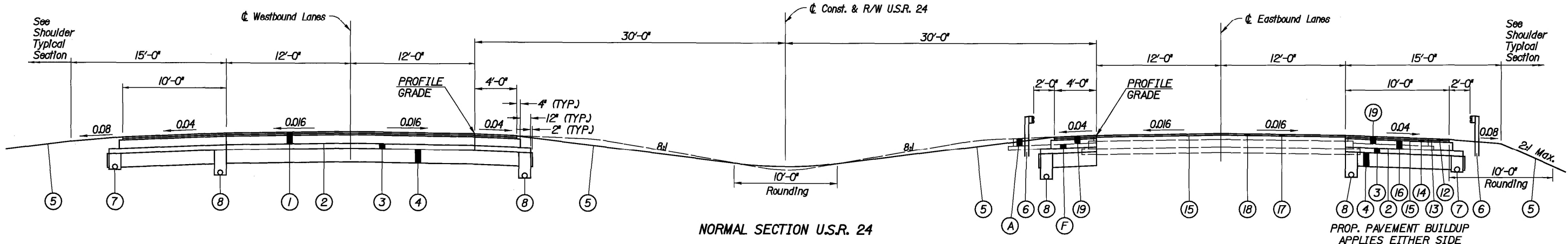
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 USERNAME : dschlimm
 DATE : 06-JUN-2006
 TIME : 14:07



NORMAL SECTION U.S.R. 24

Applies @ stations:

0+00.00 (Henry Co.) to 244+00 (Henry Co.) <E.B Lanes>	= 24,400 Feet
0+00.00 (Henry Co.) to 251+00 (Henry Co.) <W.B Lanes>	= 25,100 Feet
Deduction for Structure No. HEN-24-0429	= 104 Feet
Avg. Length	= 24,646 Feet

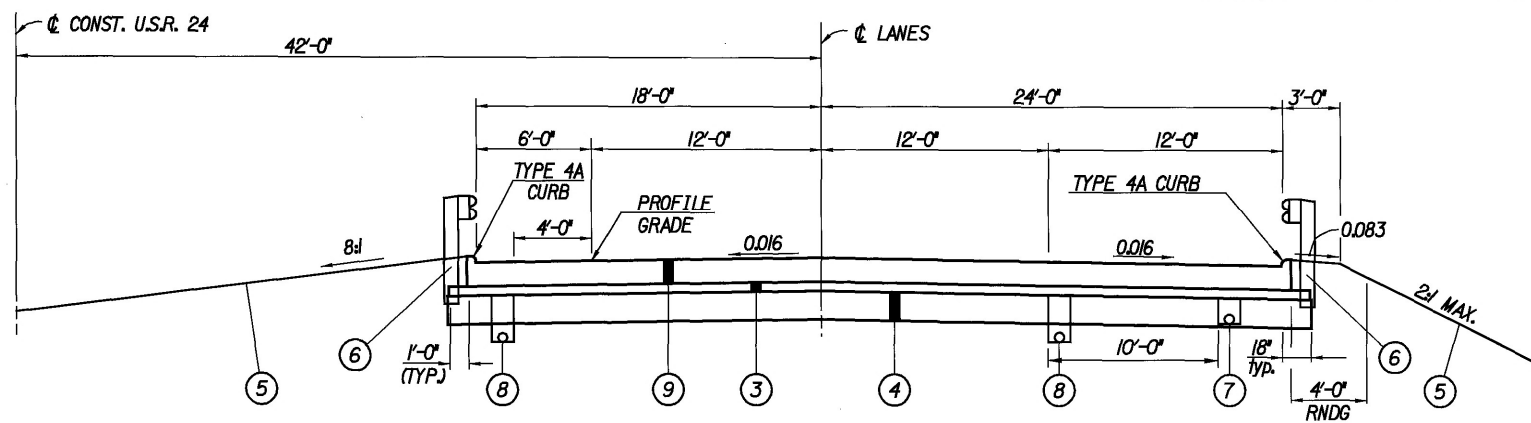


NORMAL SECTION U.S.R. 24

Applies @ stations:

744+00 (Def. Co.) to 1026+67.97 (Def. Co.) <E.B & W.B>	= 28,267.97 Feet
Sta. Eq. 1026+67.97 (Def. Co.) - 0+00.00 (Henry Co.)	
Total Length	= 28,267.97 Feet

SEE SHEET 11 FOR EXISTING BUILDUP.
 SEE SHEET 12 FOR PROPOSED BUILDUP.



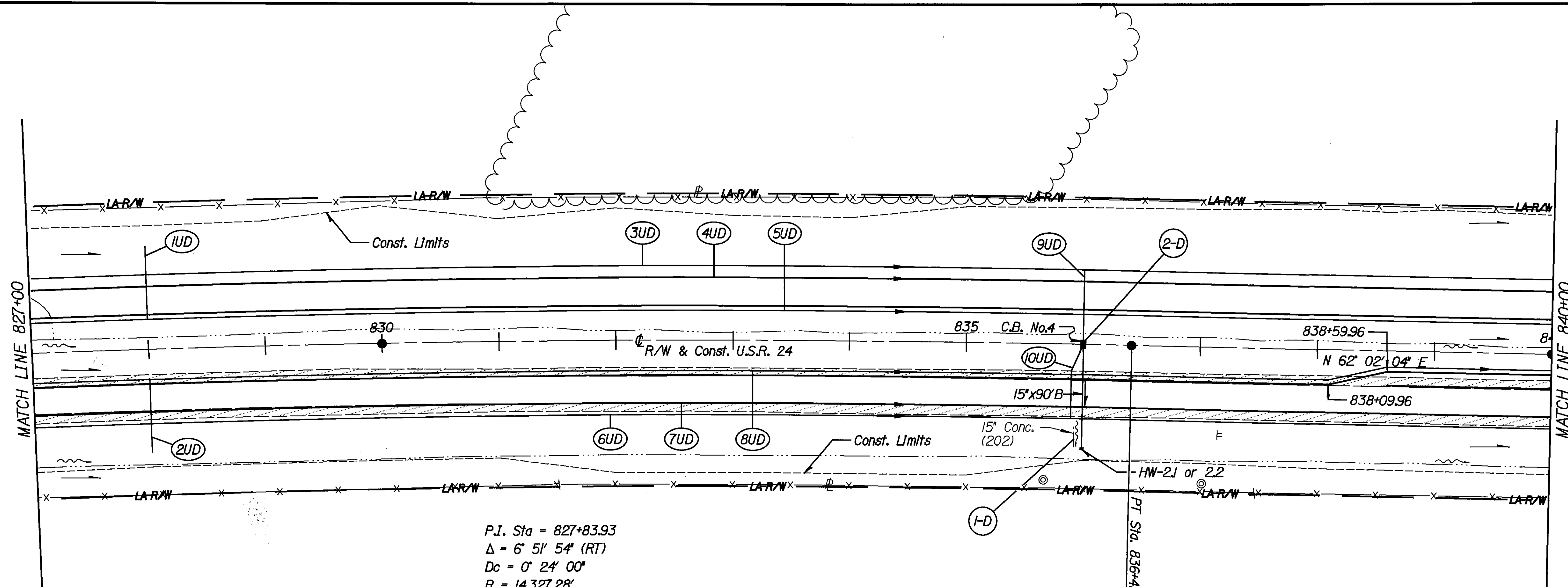
APPROACH SLAB SECTION - U.S.R. 24

Applies @ stations:

226+57.79 to 226+82.79	= 25.00 Feet
227+86.79 to 228+11.79	= 25.00 Feet
Avg. Length	= 50.00 Feet

SEE GENERAL NOTES FOR USE OF ITEM 205 LIME STABILIZED EMBANKMENT.

DATE : 06-JUN-2006
 TIME : 13:56
 DESIGN FILE : I:\pd\19047\Construction\Plan&Profile\24gpl6.dgn
 USERNAME : dschimm



P.I. Sta = 827+83.93
 $\Delta = 6^\circ 51' 54''$ (RT)
 $D_c = 0^\circ 24' 00''$
 $R = 14,327.28'$
 $T = 859.36'$
 $L = 1,716.66'$
 $E = 25.75'$
 No Super

See Sheet 437 for Offset Left - Turn Lane detail.
 See Sheets 54 - 60 for underdrain quantities.
 See Sheets 440 - 446 for underdrain details.
 See Sheets 48 - 53 for drainage quantities.

- Pavement Removed, Asphalt

Proposed Monument

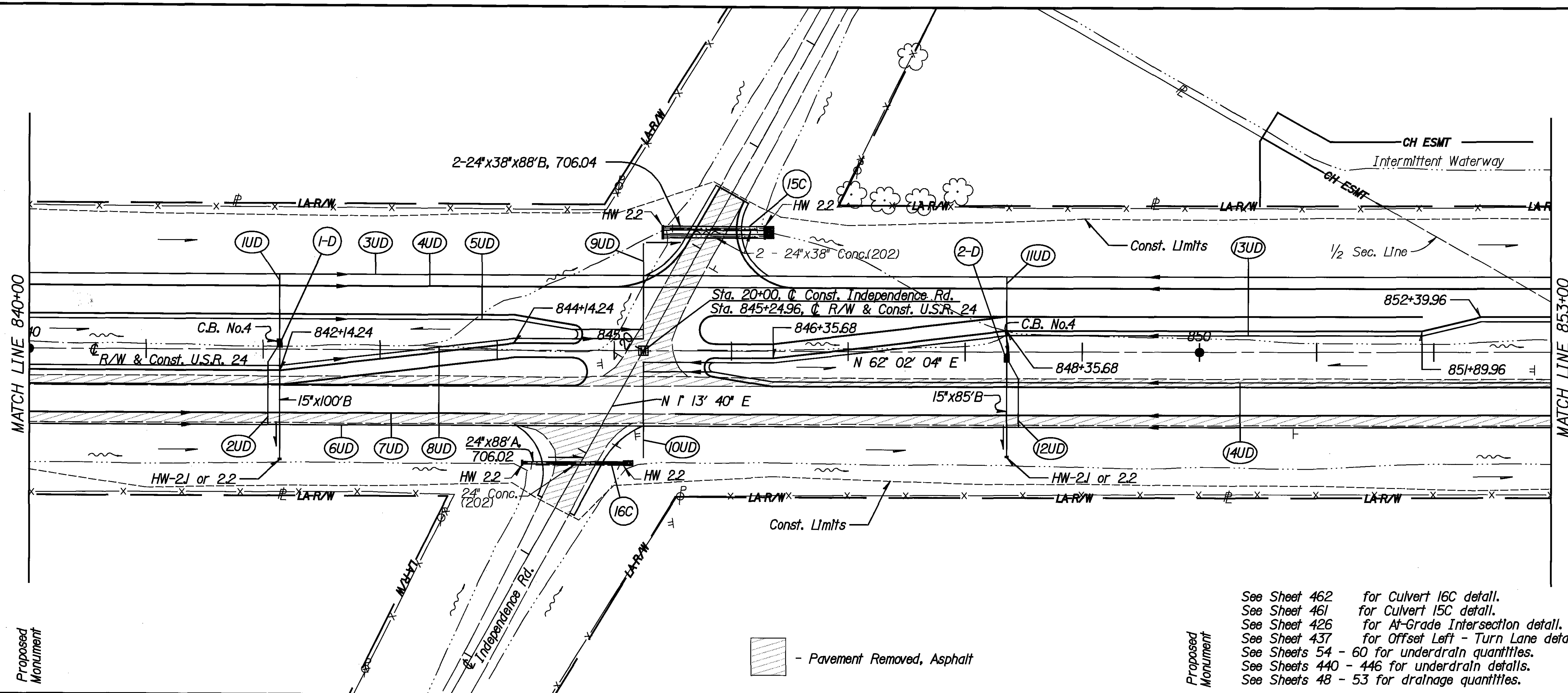
Monument (Save)

Proposed Monument

Monument (Save)

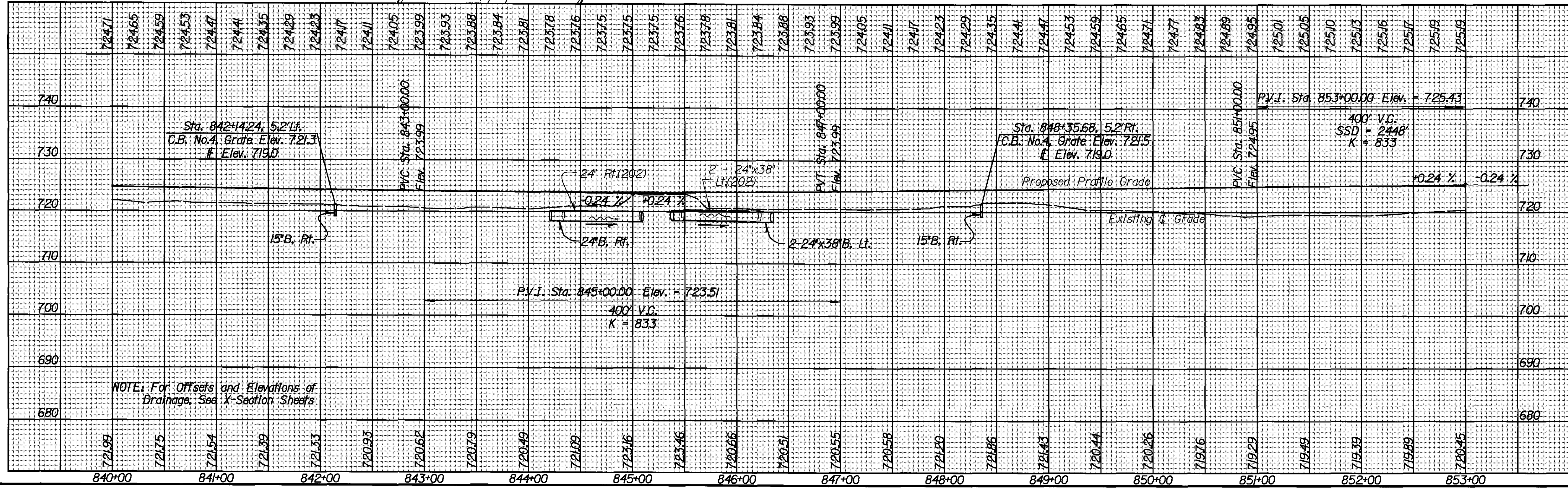
Proposed Monument

725.16	725.17	725.18	725.19	725.20	725.21	725.22	725.23	725.24	725.25	725.26	725.27	725.28	725.29	725.30	725.31	725.32	725.33	725.34	725.35	725.36	725.37	725.38	725.39	725.40	725.41	725.42	725.43	725.44	725.45	725.46	725.47	725.48	725.49	725.50	725.51	725.52	725.53	725.54	725.55	725.56	725.57	725.58	725.59	725.60	725.61	725.62	725.63	725.64	725.65	725.66	725.67	725.68	725.69	725.70	725.71	725.72	725.73	725.74	725.75	725.76	725.77	725.78	725.79	725.80	725.81	725.82	725.83	725.84	725.85	725.86	725.87	725.88	725.89	725.90	725.91	725.92	725.93	725.94	725.95	725.96	725.97	725.98	725.99	726.00	726.01	726.02	726.03	726.04	726.05	726.06	726.07	726.08	726.09	726.10	726.11	726.12	726.13	726.14	726.15	726.16	726.17	726.18	726.19	726.20	726.21	726.22	726.23	726.24	726.25	726.26	726.27	726.28	726.29	726.30	726.31	726.32	726.33	726.34	726.35	726.36	726.37	726.38	726.39	726.40	726.41	726.42	726.43	726.44	726.45	726.46	726.47	726.48	726.49	726.50	726.51	726.52	726.53	726.54	726.55	726.56	726.57	726.58	726.59	726.60	726.61	726.62	726.63	726.64	726.65	726.66	726.67	726.68	726.69	726.70	726.71	726.72	726.73	726.74	726.75	726.76	726.77	726.78	726.79	726.80	726.81	726.82	726.83	726.84	726.85	726.86	726.87	726.88	726.89	726.90	726.91	726.92	726.93	726.94	726.95	726.96	726.97	726.98	726.99	727.00	727.01	727.02	727.03	727.04	727.05	727.06	727.07	727.08	727.09	727.10	727.11	727.12	727.13	727.14	727.15	727.16	727.17	727.18	727.19	727.20	727.21	727.22	727.23	727.24	727.25	727.26	727.27	727.28	727.29	727.30	727.31	727.32	727.33	727.34	727.35	727.36	727.37	727.38	727.39	727.40	727.41	727.42	727.43	727.44	727.45	727.46	727.47	727.48	727.49	727.50	727.51	727.52	727.53	727.54	727.55	727.56	727.57	727.58	727.59	727.60	727.61	727.62	727.63	727.64	727.65	727.66	727.67	727.68	727.69	727.70	727.71	727.72	727.73	727.74	727.75	727.76	727.77	727.78	727.79	727.80	727.81	727.82	727.83	727.84	727.85	727.86	727.87	727.88	727.89	727.90	727.91	727.92	727.93	727.94	727.95	727.96	727.97	727.98	727.99	728.00	728.01	728.02	728.03	728.04	728.05	728.06	728.07	728.08	728.09	728.10	728.11	728.12	728.13	728.14	728.15	728.16	728.17	728.18	728.19	728.20	728.21	728.22	728.23	728.24	728.25	728.26	728.27	728.28	728.29	728.30	728.31	728.32	728.33	728.34	728.35	728.36	728.37	728.38	728.39	728.40	728.41	728.42	728.43	728.44	728.45	728.46	728.47	728.48	728.49	728.50	728.51	728.52	728.53	728.54	728.55	728.56	728.57	728.58	728.59	728.60	728.61	728.62	728.63	728.64	728.65	728.66	728.67	728.68	728.69	728.70	728.71	728.72	728.73	728.74	728.75	728.76	728.77	728.78	728.79	728.80	728.81	728.82	728.83	728.84	728.85	728.86	728.87	728.88	728.89	728.90	728.91	728.92	728.93	728.94	728.95	728.96	728.97	728.98	728.99	729.00	729.01	729.02	729.03	729.04	729.05	729.06	729.07	729.08	729.09	729.10	729.11	729.12	729.13	729.14	729.15	729.16	729.17	729.18	729.19	729.20	729.21	729.22	729.23	729.24	729.25	729.26	729.27	729.28	729.29	729.30	729.31	729.32	729.33	729.34	729.35	729.36	729.37	729.38	729.39	729.40	729.41	729.42	729.43	729.44	729.45	729.46	729.47	729.48	729.49	729.50	729.51	729.52	729.53	729.54	729.55	729.56	729.57	729.58	729.59	729.60	729.61	729.62	729.63	729.64	729.65	729.66	729.67	729.68	729.69	729.70	729.71	729.72	729.73	729.74	729.75	729.76	729.77	729.78	729.79	729.80	729.81	729.82	729.83	729.84	729.85	729.86	729.87	729.88	729.89	729.90	729.91	729.92	729.93	729.94	729.95	729.96	729.97	729.98	729.99	730.00	730.01	730.02	730.03	730.04	730.05	730.06	730.07	730.08	730.09	730.10	730.11	730.12	730.13	730.14	730.15	730.16	730.17	730.18	730.19	730.20	730.21	730.22	730.23	730.24	730.25	730.26	730.27	730.28	730.29	730.30	730.31	730.32	730.33	730.34	730.35	730.36	730.37	730.38	730.39	730.40	730.41	730.42	730.43	730.44	730.45	730.46	730.47	730.48	730.49	730.50	730.51	730.52	730.53	730.54	730.55	730.56	730.57	730.58	730.59	730.60	730.61	730.62	730.63	730.64	730.65	730.66	730.67	730.68	730.69	730.70	730.71	730.72	730.73	730.74	730.75	730.76	730.77	730.78	730.79	730.80	730.81	730.82	730.83	730.84	730.85	730.86	730.87	730.88	730.89	730.90	730.91	730.92	730.93	730.94	730.95	730.96	730.97	730.98	730.99	731.00	731.01	731.02	731.03	731.04	731.05	731.06	731.07	731.08	731.09	731.10	731.11	731.12	731.13	731.14	731.15	731.16	731.17	731.18	731.19	731.20	731.21	731.22	731.23	731.24	731.25	731.26	731.27	731.28	731.29	731.30	731.31	731.32	731.33	731.34	731.35	731.36	731.37	731.38	731.39	731.40	731.41	731.42	731.43	731.44	731.45	731.46	731.47	731.48	731.49	731.50	731.51	731.52	731.53	731.54	731.55	731.56	731.57	731.58	731.59	731.60	731.61	731.62	731.63	731.64	731.65	731.66	731.67	731.68	731.69	731.70	731.71	731.72	731.73	731.74	731.75	731.76	731.77	731.78	731.79	731.80	731.81	731.82	731.83	731.84	731.85	731.86	731.87	731.88	731.89	731.90	731.91	731.92	731.93	731.94	731.95	731.96	731.97	731.98	731.99	732.00	732.01	732.02	732.03	732.04	732.05	732.06	732.07	732.08	732.09	732.10	732.11	732.12	732.13	732.14	732.15	732.16	732.17	732.18	732.19	732.20	732.21	732.22	732.23	732.24	732.25	732.26	732.27	732.28	732.29	732.30	732.31	732.32	732.33	732.34	732.35	732.36	732.37	732.38	732.39	732.40	732.41	732.42	732.43	732.44	732.45	732.46	732.47	732.48	732.49	732.50	732.51	732.52	732.53	732.54	732.55	732.56	732.57	732.58	732.59	732.60	732.61	732.62	732.63	732.64	732.65	732.66	732.67	732.68	732.69	732.70	732.71	732.72	732.73	732.74	732.75	732.76	732.77	732.78	732.79	732.80	732.81	732.82	732.83	732.84	732.85	732.86	732.87	732.88	732.89	732.90	732.91	732.92	732.93	732.94	732.95	732.96	732.97	732.98	732.99	733.00	733.01	733.02	733.03	733.04	733.05	733.06	733.07	733.08	733.09	733.10	733.11	733.12	733.13	733.14	733.15	733.16	733.17	733.18	733.19	733.20	733.21	733.22	733.23	733.24	733.25	733.26	733.27	733.28	733.29	733.30	733.31	733.32	733.33	733.34	733.35	733.36	733.37	733.38	733.39	733.40	733.41	733.42	733.43	733.44	733.45	733.46	733.47	733.48	733.49	733.50	733.51	733.52	733.53	733.54	733.55	733.56	733.57	733.58	733.59	733.60	733.61	733.62	733.63	733.64	733.65	733.66	733.67	733.68	733.69	733.70	733.71	733.72	733.73	733.74	733.75	733.76	733.77	733.78	733.79	733.80	733.81	733.82	733.83	733.84	733.85	733.86	733.87	733.88	733.89	733.90	733.91	733.92	733.93	733.94	733.95	733.96	733.97	733.98	733.99	734.00	734.01	734.02	734.03	734.04	734.05	734.06	734.07	734.08	734.09	734.10	734.11	734.12	734.13	734.14	734.15	734.16	734.17	734.18	734.19	734.20	734.21	734.22	734.23	734.24	734.25	734.26	734.27	734.28	734.29	734.30	734.31	734.32	734.33	734.34	734.35	734.36	734.37	734.38	734.39	734.40	734.41	734.42	734.43	734.44	734.45	734.46	734.47	734.48	734.49	734.50	734.51	734.52	734.53	734.54	734.55	734.56	734.57	734.58	734.59	734.60	734.61	734.62	734.63	734.64	734.65	734.66	734.67	734.68	734.69	734.70	734.71	734.72	734.73	734.74	734.75	734.76	734.77	734.78	734.79	734.80	73
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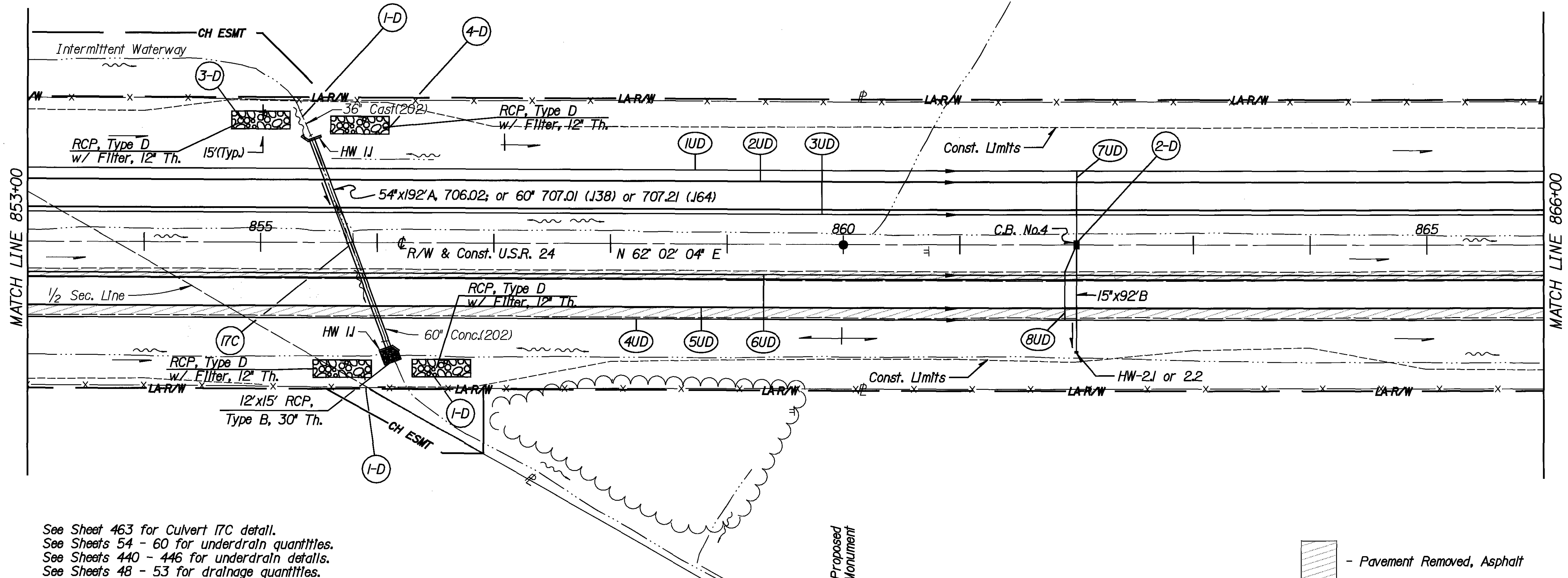


See Sheet 462 for Culvert 16C detail.
 See Sheet 461 for Culvert 15C detail.
 See Sheet 426 for At-Grade Intersection detail.
 See Sheet 437 for Offset Left - Turn Lane detail.
 See Sheets 54 - 60 for underdrain quantities.
 See Sheets 440 - 446 for underdrain details.
 See Sheets 48 - 53 for drainage quantities.

- Pavement Removed, Asphalt

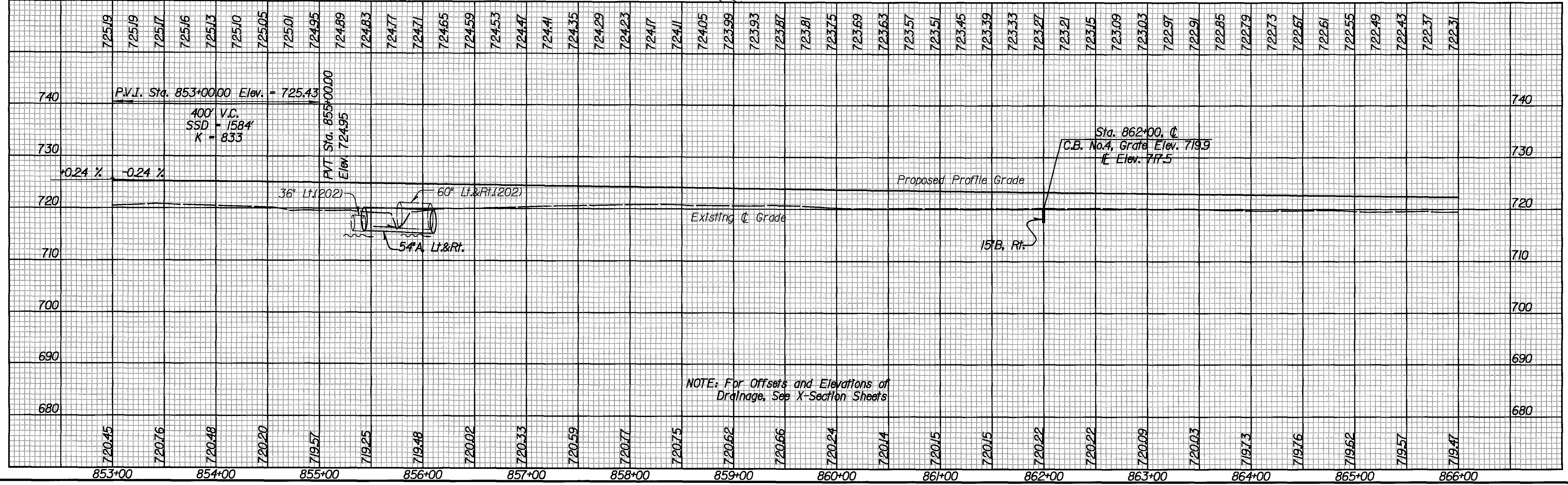


DATE : 06-JUN-2006
 TIME : 13:56
 DESIGN FILE : I:\pd\19047\Construction\Plan&Profile\24\gpl8.dgn
 USERNAME : dschimm

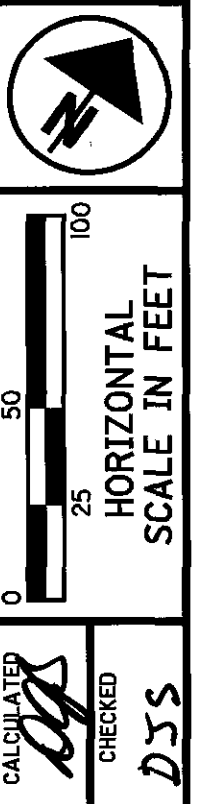


See Sheet 463 for Culvert I7C detail.
 See Sheets 54 - 60 for underdrain quantities.
 See Sheets 440 - 446 for underdrain details.
 See Sheets 48 - 53 for drainage quantities.

- Pavement Removed, Asphalt



NOTE: For Offsets and Elevations of Drainage, See X-Section Sheets

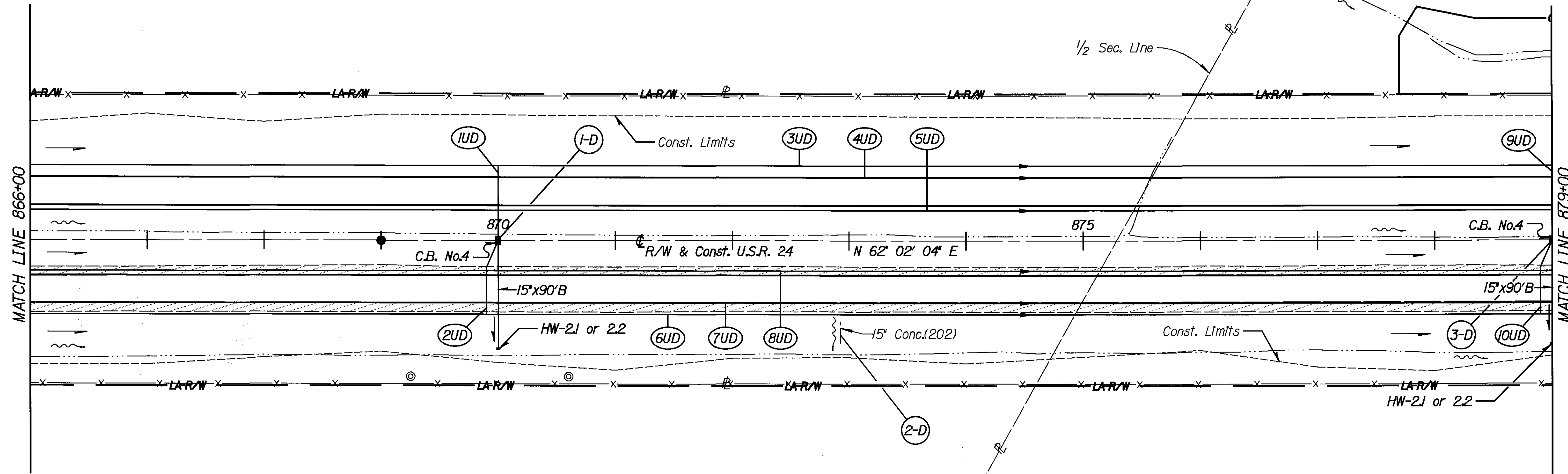


CALCULATED
 CHECKED
 DJS

PLAN AND PROFILE - U.S.R. 24
 STA. 853+00 TO 866+00

DEF/HEN-24-12.03/0.00

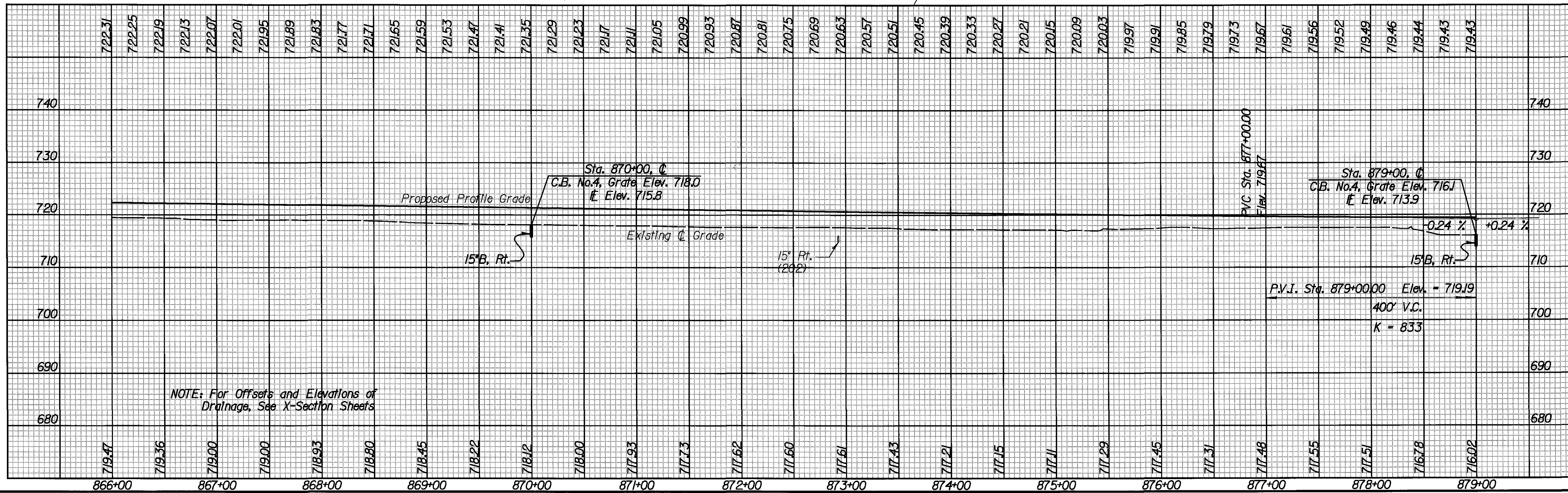
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 USERNAME : dschlmmo



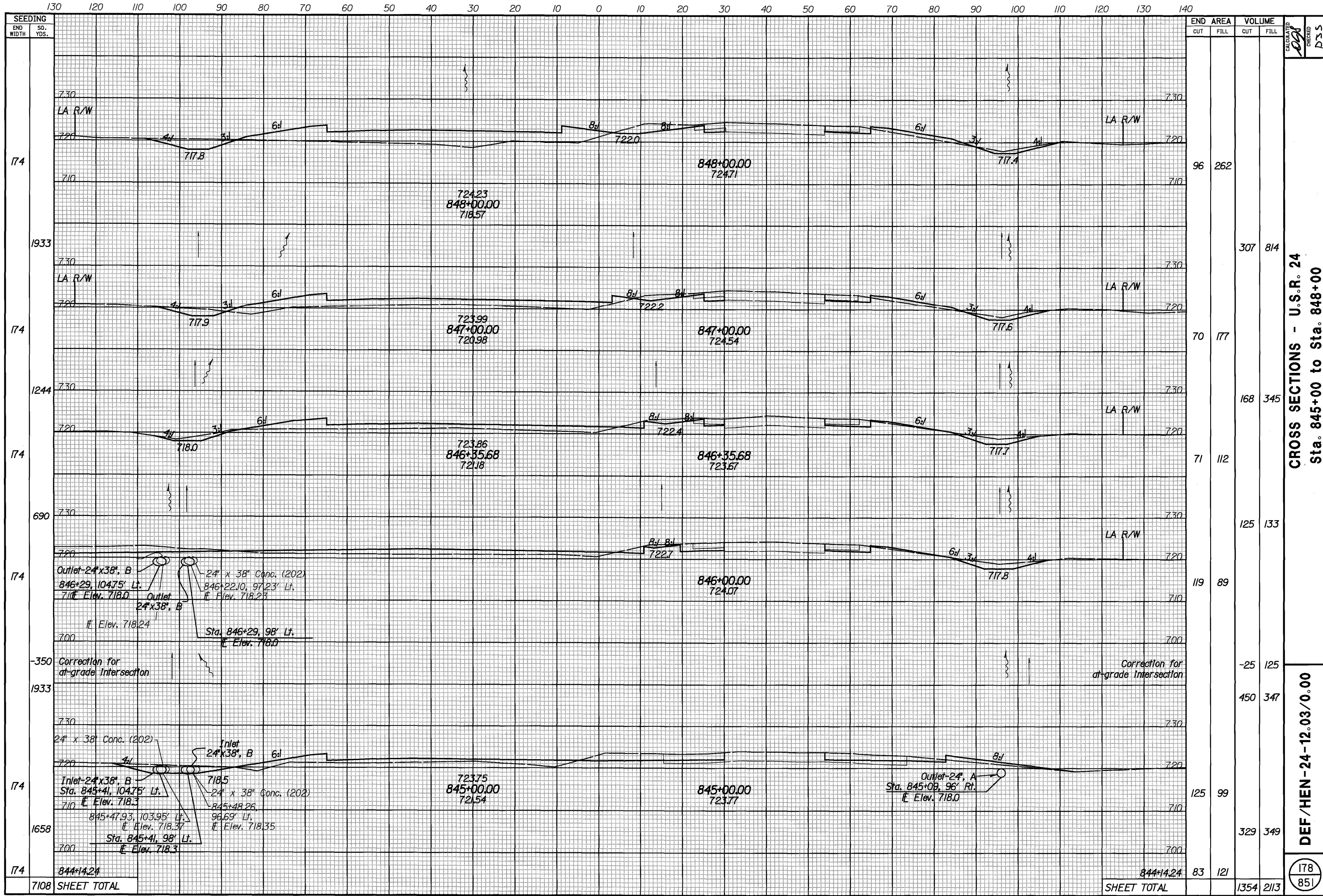
Proposed Monument
 Monument (Save)
 Monument (Save)

- Pavement Removed, Asphalt

See Sheets 54 - 60 for underdrain quantities.
 See Sheets 440 - 446 for underdrain details.
 See Sheets 48 - 53 for drainage quantities.



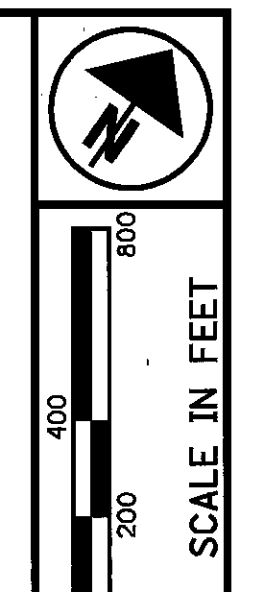
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CROSS SECTIONS - U.S.R. 24
 Sta. 845+00 to Sta. 848+00

DEF/HEN-24-12.03/0.00

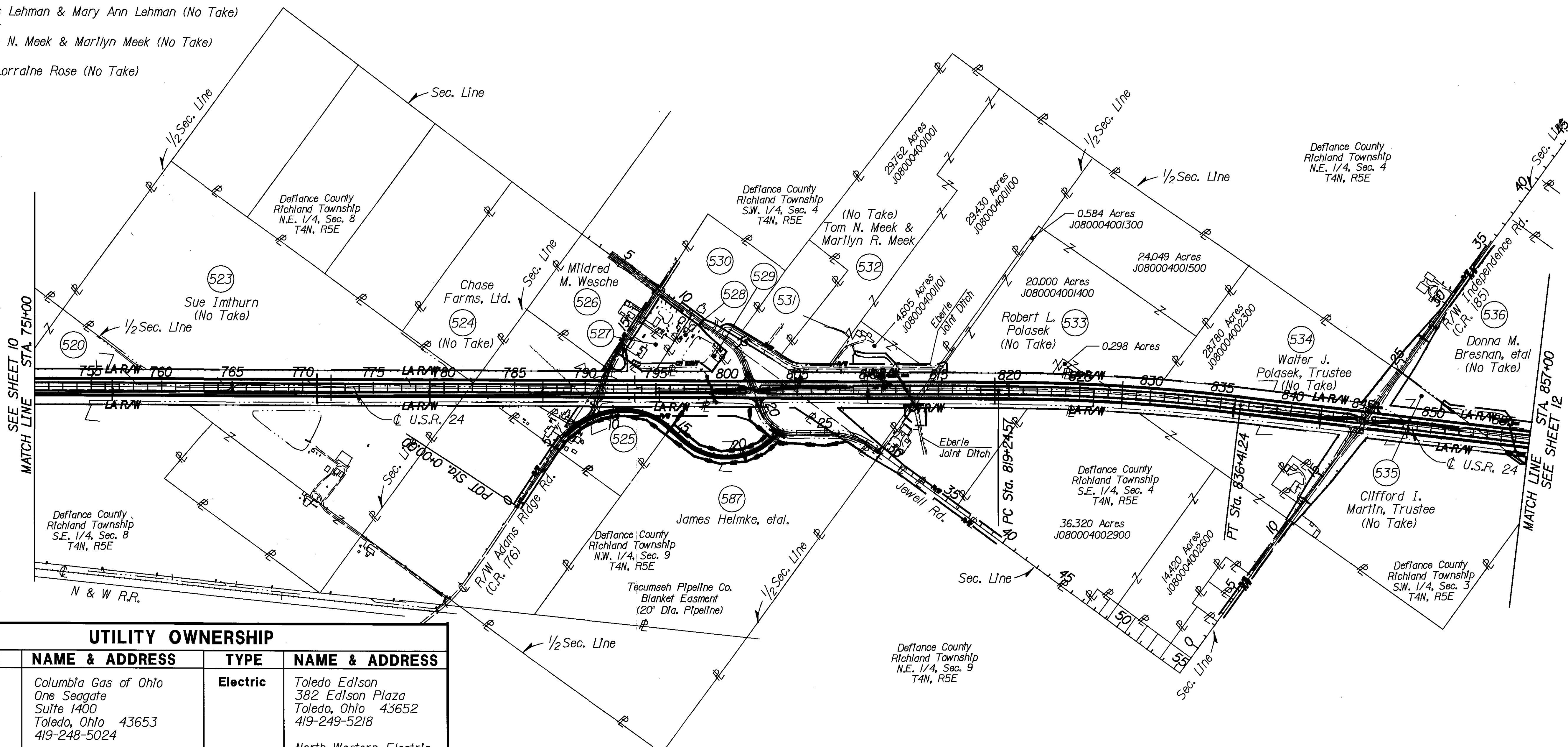
178
851



DEFIANCE COUNTY
RICHLAND TOWNSHIP
SEC. 8, 4, 9, 3
T.4N., R.5E.

PROPERTY OWNERS:

- 520 William G. Kunesh (fee) & Doris J. Kunesh LE
- 521 See Sheet 1 of 6
- 522 See Sheet 1 of 6
- 525 John W. Dunno
- 527 Vickie L. Moser & Michael R. Moser
- 528 Robert A. Stevens & Jeanine H. Stevens (No Take)
- 529 Charles Lehman & Mary Ann Lehman (No Take)
- 530 Thomas N. Meek & Marilyn Meek (No Take)
- 531 Millie Lorraine Rose (No Take)



UTILITY OWNERSHIP

TYPE	NAME & ADDRESS	TYPE	NAME & ADDRESS
Gas	Columbia Gas of Ohio One Seagate Suite 1400 Toledo, Ohio 43653 419-248-5024	Electric	Toledo Edison 382 Edison Plaza Toledo, Ohio 43652 419-249-5218
	Ohio Gas Company 506 Clinton Street Defiance, Ohio 43512 419-784-0308		North Western Electric P.O. Box 391 Bryan, Ohio 43506 419-636-5051
	ANR Pipeline Co 6357 SR 66 Defiance, Ohio 43512 419-783-3156		AEP 369 E O'Connor Lima, Ohio 45801 419-998-5164
	Panhandle Eastern Pipeline 1015 Illinois Ave Maumee, Ohio 43537 419-893-3358	Water	City of Defiance Water & Sewer 631 Perry Street Defiance, Ohio 43512 419-784-5341

TYPE	NAME & ADDRESS
Telephone	SprInt 375 E. Riverview Napoleon, Ohio 43545 419-598-4033

LIMIT FLAG NOTE:

For all Begin and End Project, Acquisition, and Work Flags, see Detail Sheets.

STRUCTURE KEY

- - Residential Building
- - Agricultural Building
- ▣ - Commercial Building

REV	DATE	DESCRIPTION
2	10/18/05	Added field drive for Parcel 525.
1	9/28/05	Revised name for Parcel 525.
Date of Completion		23-DEC-2004

PID NO.
19047

PROPERTY MAP
Sta. 751+00 to Sta. 857+00

DEF/HEN-24-12.03/0.00

11 / 64

661
851

DATE : 05-JUN-2006
 TIME : 08:33
 DESIGN FILE : I:\p\d\19047\19047.rnw\19047.rnw2.dgn
 USERNAME : dslebene