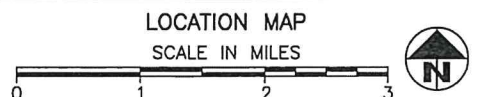
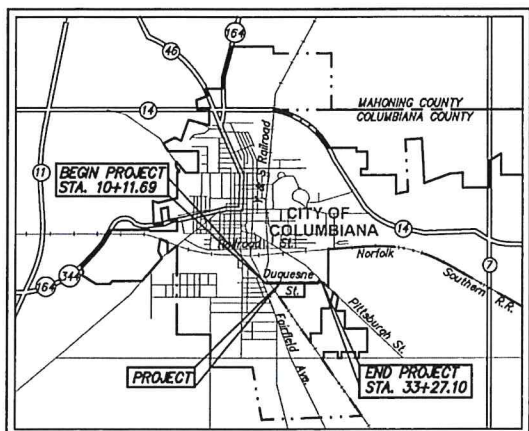


COL-DUQUESNE STREET SIDEWALKS

CITY OF COLUMBIANA FAIRFIELD TOWNSHIP COLUMBIANA COUNTY STATE OF OHIO



LATITUDE: N 40°52'50" LONGITUDE: W 80°41'30"
 PORTION TO BE IMPROVED _____
 STATE & FEDERAL ROUTES _____
 OTHER ROADS _____

INDEX OF SHEETS:

TITLE SHEET	1
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TYPICAL SECTIONS & DETAILS	3
GENERAL NOTES AND PAVEMENT CALCULATIONS	4
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PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF PLACING 0.45 MILES OF SIDEWALK ALONG THE NORTH SIDE OF DUQUESNE STREET BEGINNING AT THE EXISTING SIDEWALK ON THE NORTHEAST CORNER OF THE INTERSECTION OF FAIRFIELD AVENUE AND DUQUESNE STREET TO THE NORTHWEST INTERSECTION OF PITTSBURGH STREET AKA COLUMBIANA-WATERFORD ROAD IN THE CITY OF COLUMBIANA; MINOR DRAINAGE IMPROVEMENTS INCIDENTAL TO THE PROJECT ARE ALSO INCLUDED.

THE TOTAL LENGTH OF NEW WALK TO BE INSTALLED IS 1711 FEET.

COL-DUQUESNE STREET SIDEWALKS	
PROJECT EARTH DISTURBED AREA:	0.81 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.95 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA =	N/A
(NOI - NOT REQUIRED)	

2019 SPECIFICATIONS

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

UNDERGROUND UTILITIES

Contact Two Working Days Before You Dig

OHIO 811.org
Before You Dig

OHIO 811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)

PLAN PREPARED BY:

HOWELLS & BAIRD, INC.
 Consulting Engineers
 1156 East State Street
 Salem, Ohio 44460

J.D. Vollnogle

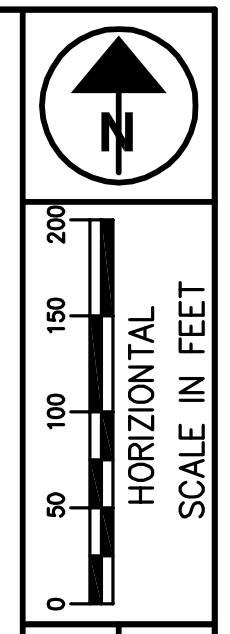
JON D. VOLLNOGLE, P.E. #53991

STANDARD CONSTRUCTION DRAWINGS						SUPPLEMENTAL SPECIFICATIONS
DRAWING NO.	DATE	DRAWING NO.	DATE	DRAWING NO.	DATE	800-2019
BP-1.1	07-28-00					
BP-5.1	01-21-22					832
BP-7.1	01-2-22					
CB-1	07-16-21					
DM-4.3	01-15-16					
DM-4.4	01-15-16					
MT-97.11	04-19-19					

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE 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 _____
 MANAGER, CITY OF COLUMBIANA

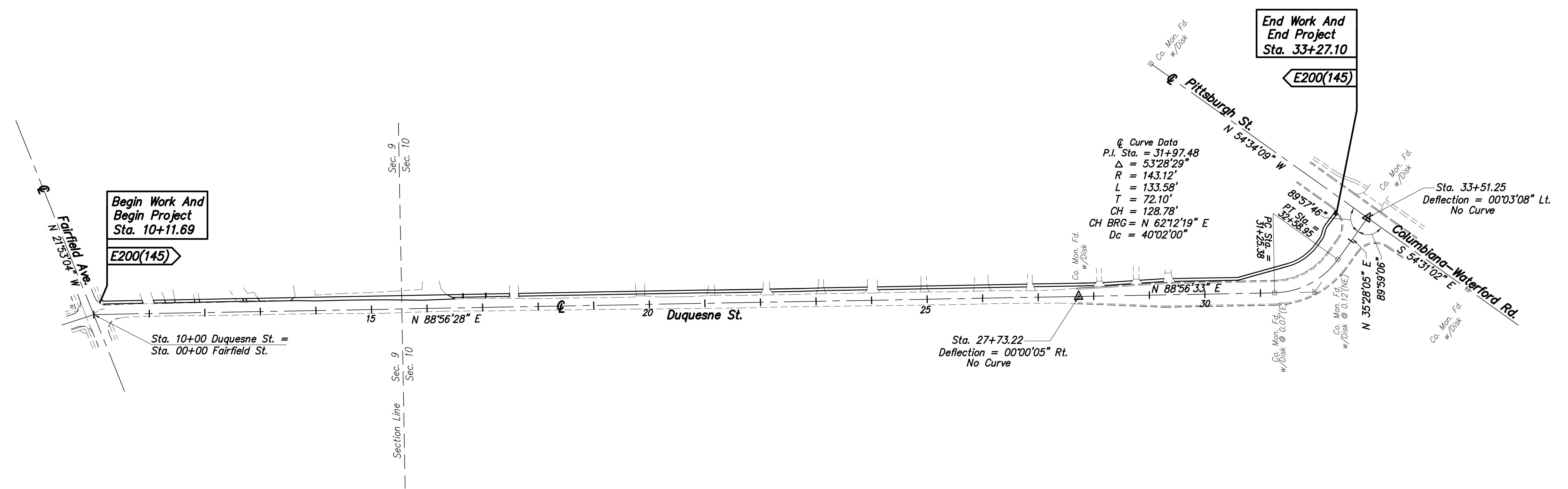
FEDERAL PROJECT NO. E200(145)
PID NO. 111412
CONSTRUCTION PROJECT NO.
RAILROAD INVOLVEMENT YOUNGSTOWN & SOUTHERN RAILROAD
COL-DUQUESNE STREET SIDEWALKS
1 19



CALCULATED
DEV
CHECKED
JDY

SCHEMATIC PLAN

COL-DUQUESNE STREET
SIDEWALKS



ITEM 202 – REMOVAL MISC.: LANDSCAPING REMOVED

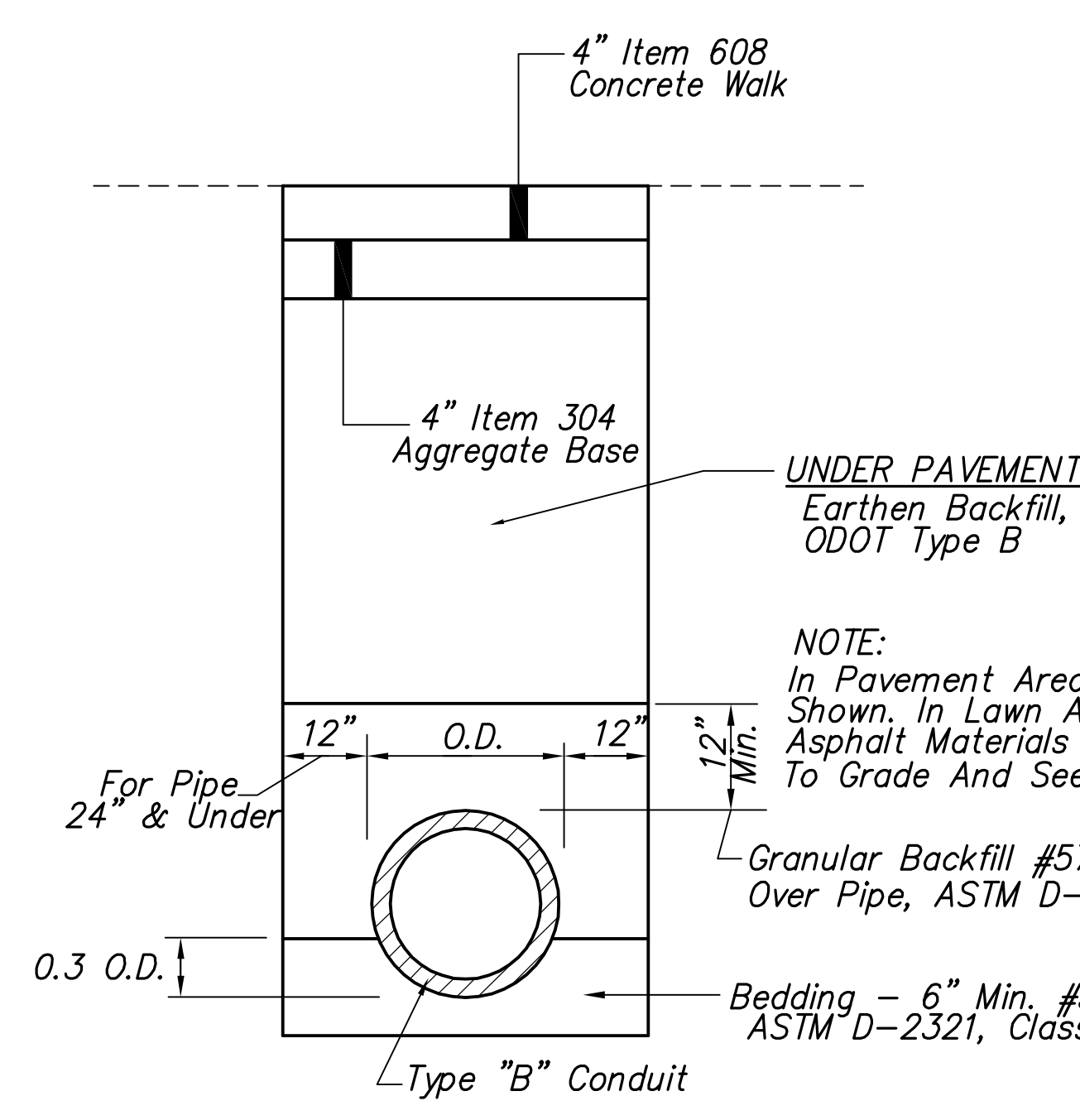
THE CONTRACTOR SHALL NOTIFY THE PROPERTY OWNER AT LEAST 7 DAYS IN ADVANCE OF REMOVING ANY LANDSCAPING FEATURES IN ORDER TO PROVIDE THE PROPERTY OWNER THE OPPORTUNITY TO REMOVE ANY PLANTS AND DECORATIONS.

THE CONTRACTOR SHALL TAKE ADDITIONAL CARE WITH MATERIALS SUCH AS EDGING, BRICK, LARGE DECORATIVE STONE, ETC. IN ORDER TO PROVIDE THE PROPERTY OWNER WITH THIS MATERIAL UPON REMOVAL. IF THE PROPERTY OWNER DOES NOT WANT THESE MATERIALS RETURNED, THE CONTRACTOR SHALL ASSUME OWNERSHIP OF THESE MATERIALS AND SHALL BE RESPONSIBLE FOR DISPOSAL.

THE CONTRACTOR SHALL REMOVE THE LANDSCAPING PER THE CONDITIONS ABOVE AT THE FOLLOWING LOCATIONS:

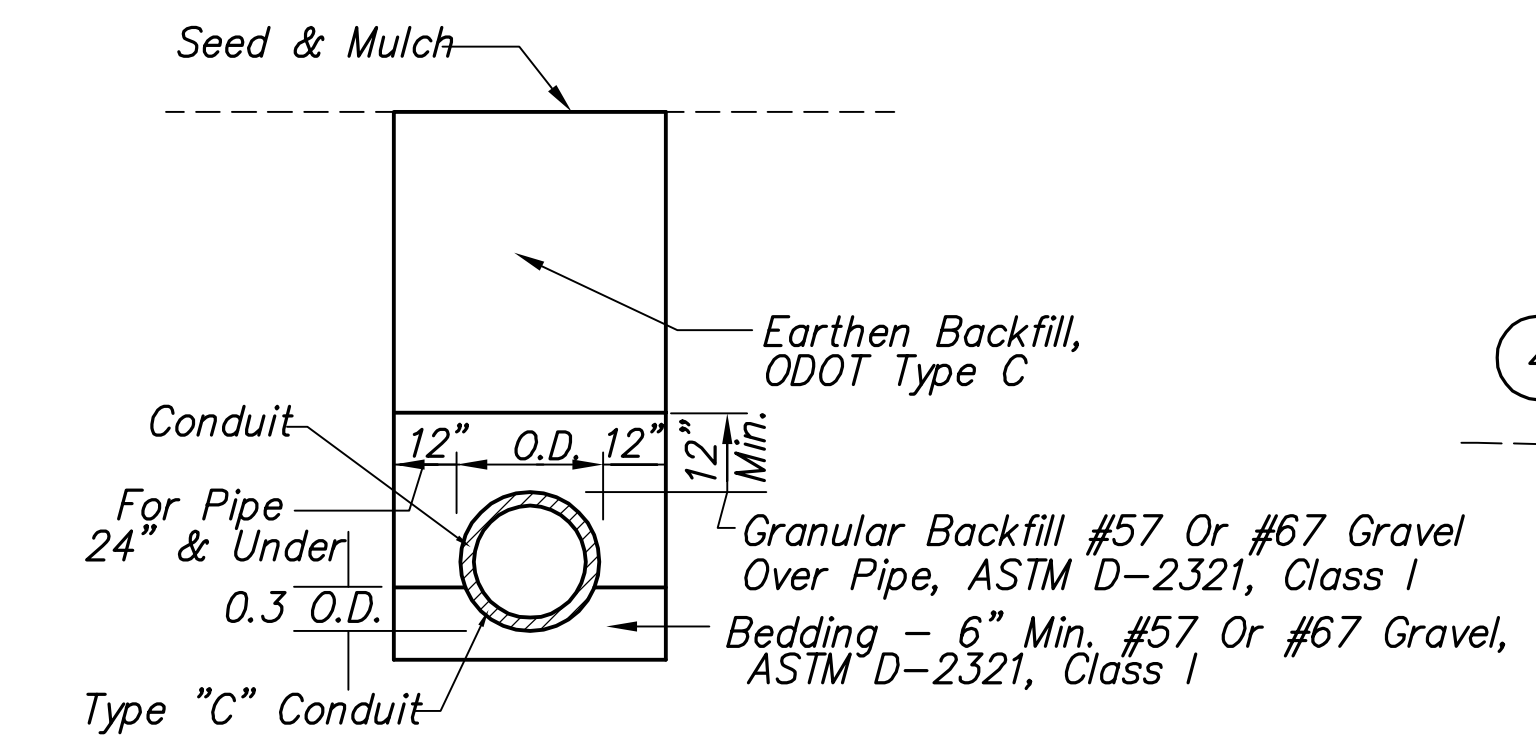
- STA. 10+79, LT.
- STA. 17+41, LT.
- STA. 17+65, LT.

ALL EQUIPMENT, LABOR, MATERIALS, AND INCIDENTALS REQUIRED TO COMPLETE THE ABOVE DESCRIBED WORK SHALL BE PAID FOR AT THE LUMP SUM UNIT BID PRICE FOR ITEM 202 – REMOVAL MISC.: LANDSCAPING REMOVED.

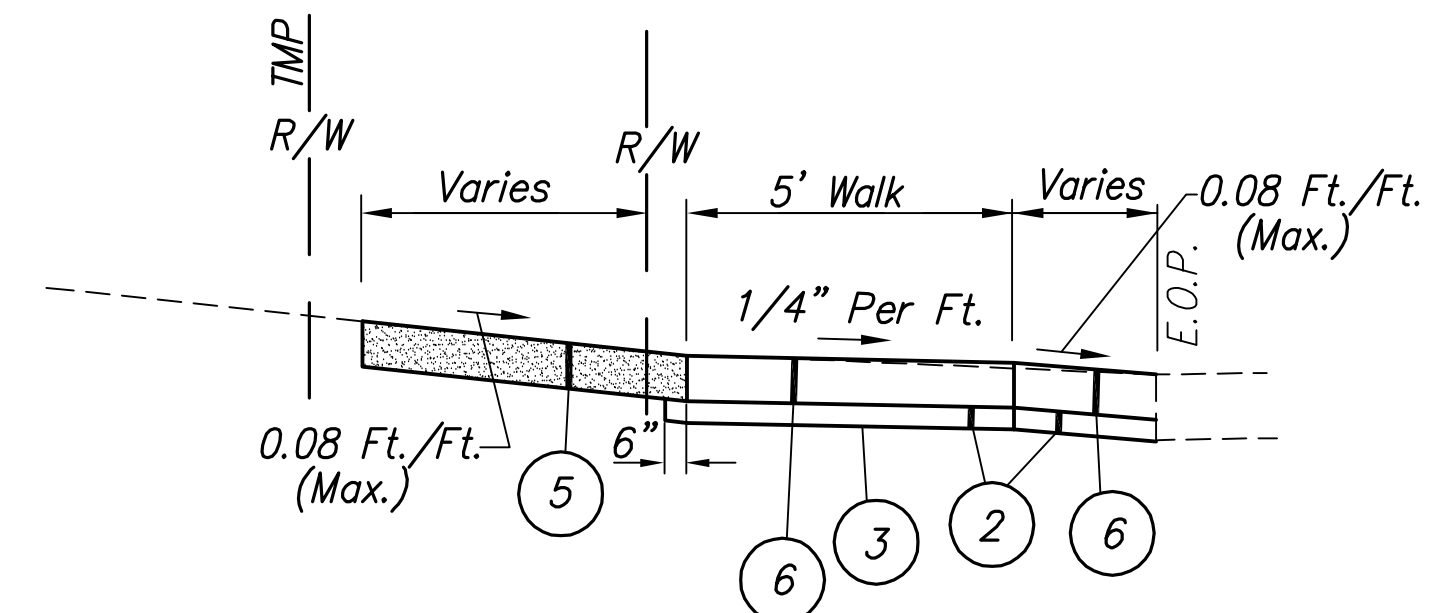


Trench Replacement Detail Under Pavement
N.T.S.

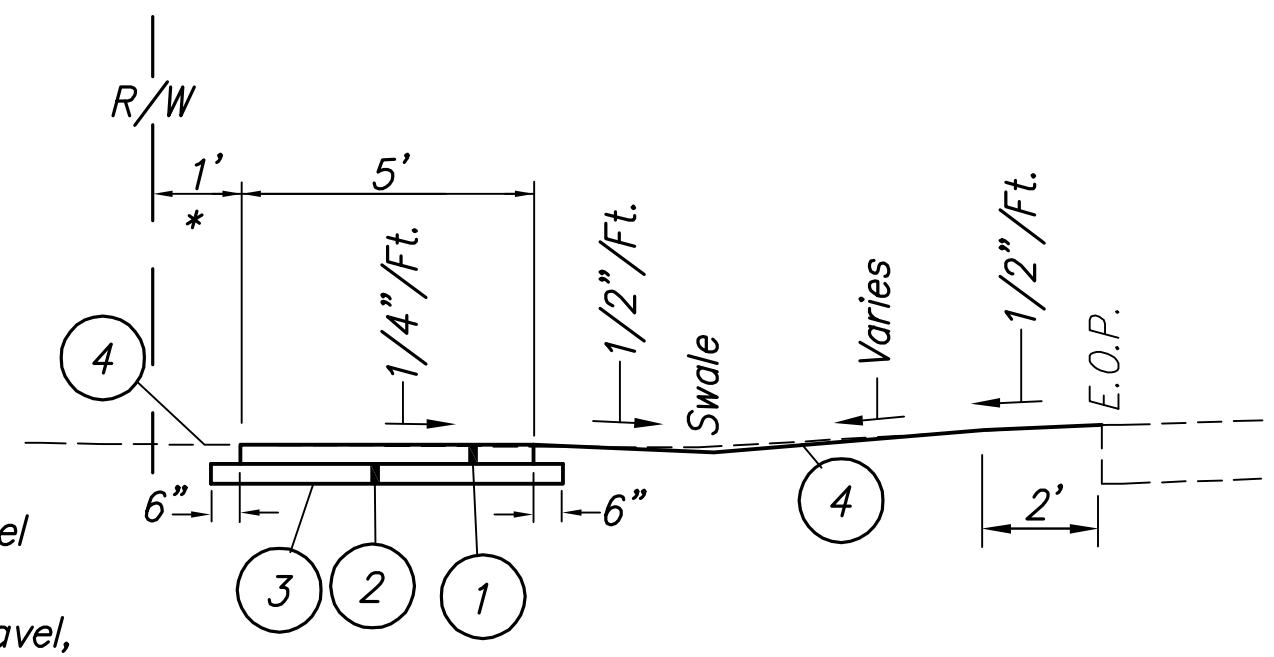
NOTE:
In Pavement Areas, Use Materials As Shown. In Lawn Areas, Delete Base & Asphalt Materials And Use Exist. Backfill To Grade And Seed & Mulch.



Trench Replacement Detail - Un-Paved Areas
N.T.S.

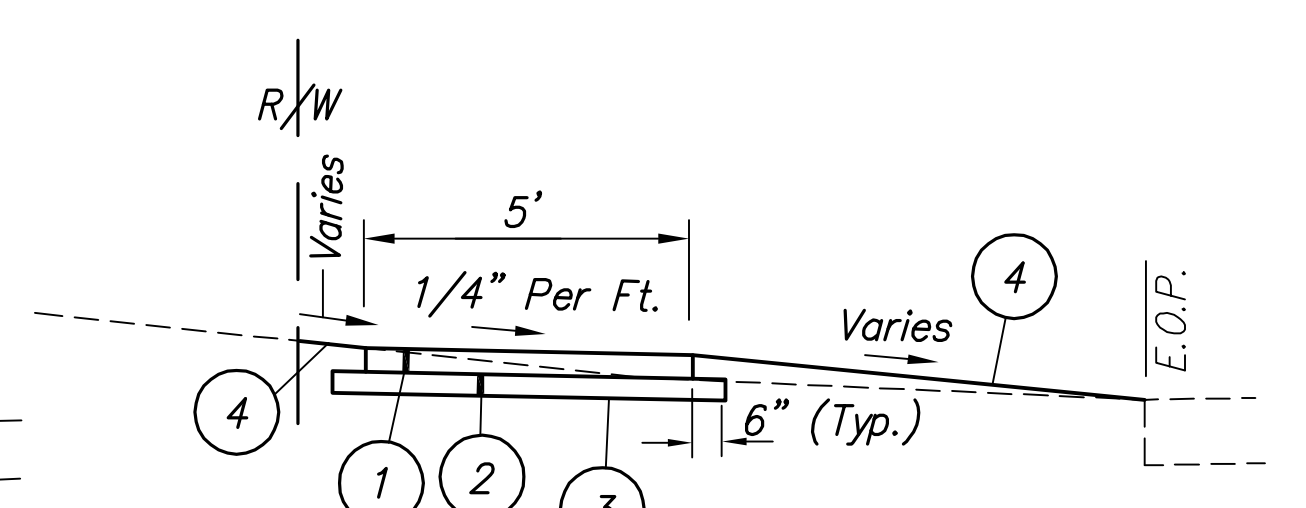


Typical Sidewalk/Approach Section
Sta. 13+55 To Sta. 16+50



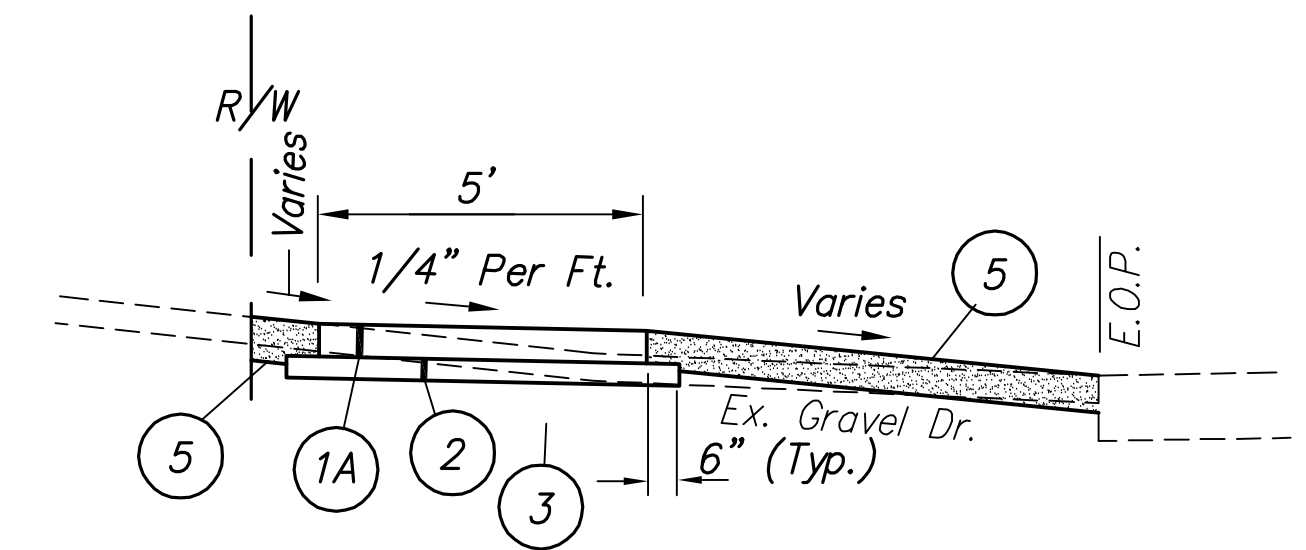
* 1' Unless Otherwise Noted
Typical Sidewalk Section

- Limiting Stations
(Sta. 23+10 To Sta. 28+00)
(Sta. 30+50 To Sta. 33+21)
- 1 Item 608 - 4" Concrete Walk
 - 1A Item 608 - 6" Concrete Walk (Across Gravel Dr.)
 - 2 Item 304 - 4" Aggregate Base
 - 3 Item 204 - Subgrade Compaction
 - 4 Item 659 - Seeding & Mulching
 - 5 Item 411 - 8" Stabilized Crushed Aggregate
 - 6 Item 451 - 8" Reinforced Concrete Pavement Class QC 1P

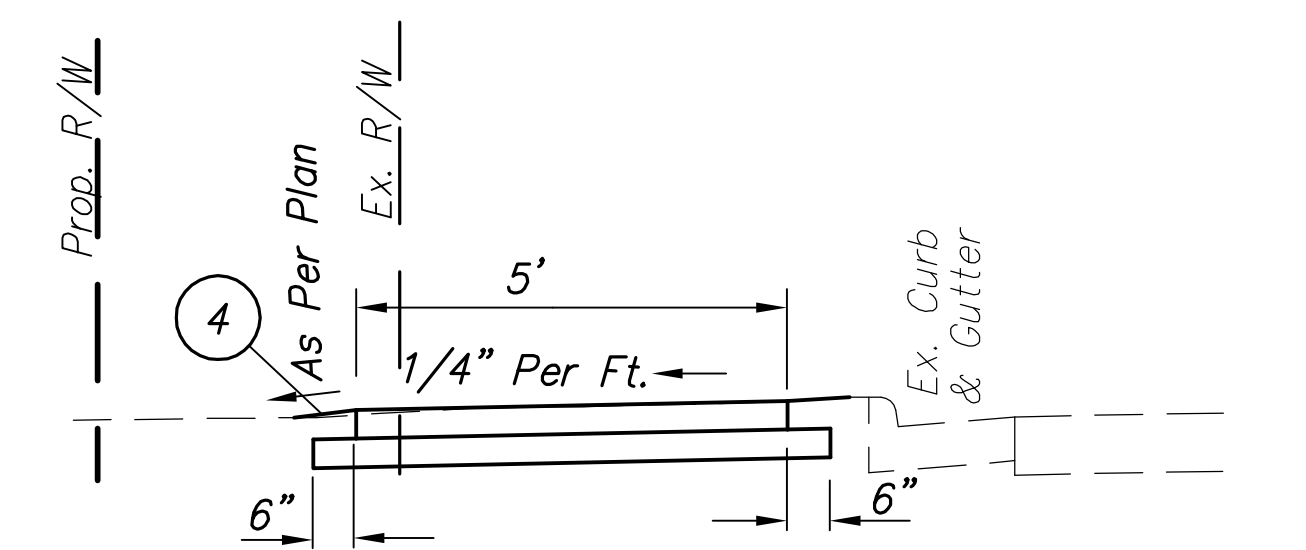


Typical Sidewalk Section

- Limiting Stations
(Sta. 16+50 To Bridge)
(Bridge To 19+00)
(Sta. 20+50 To Sta. 21+24.40)
(Sta. 22+75 To Sta. 23+10)
(Sta. 29+00 To Sta. 30+50)

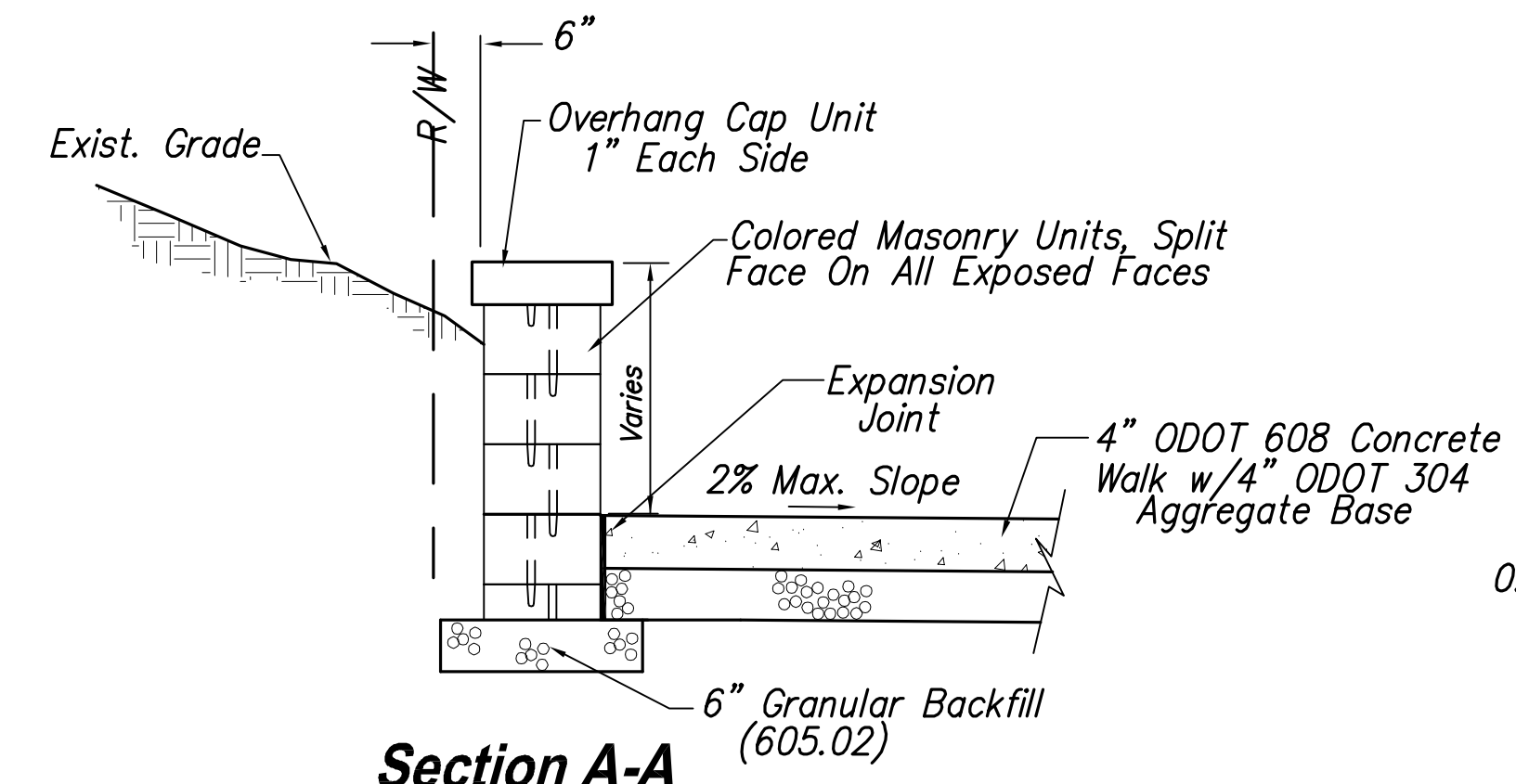


Typical Sidewalk Section Through Gravel Drives
(Left Side)

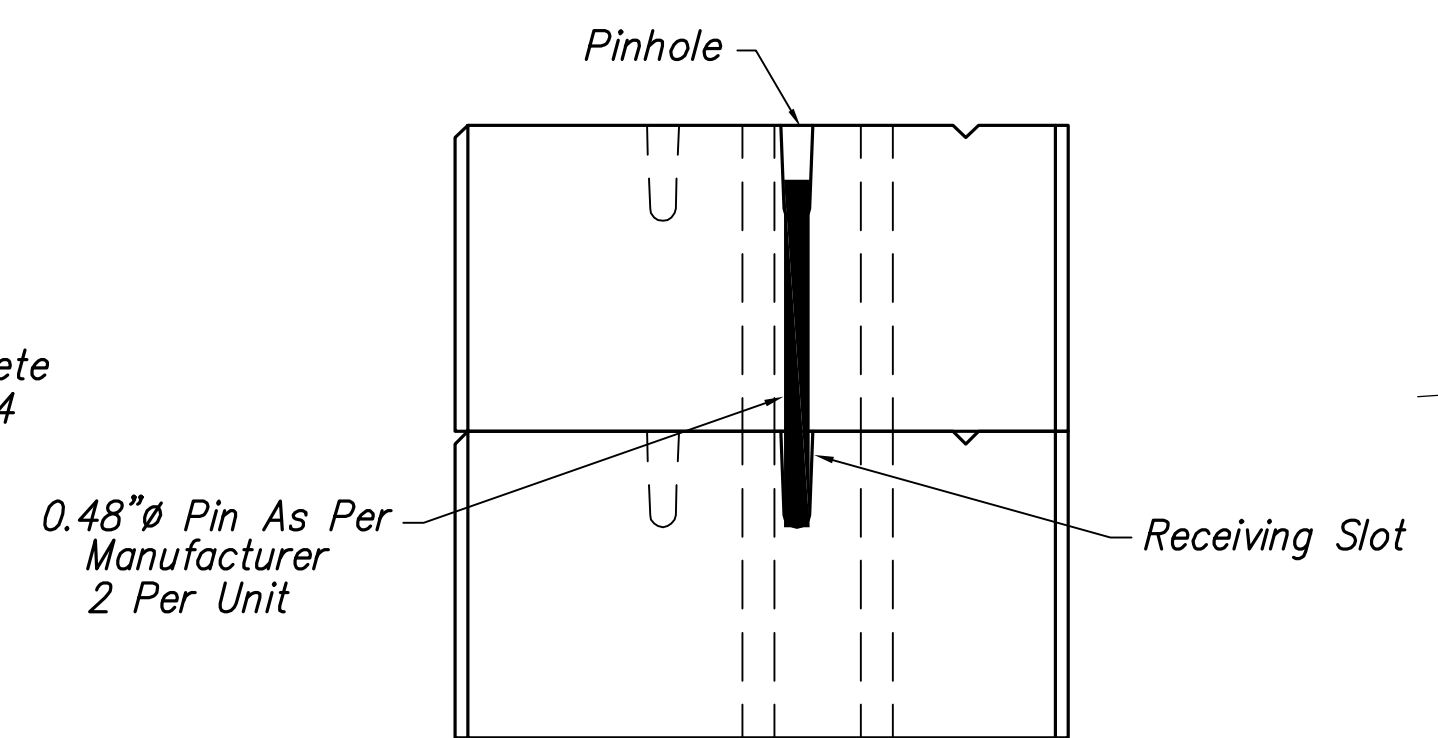


Typical Sidewalk Section

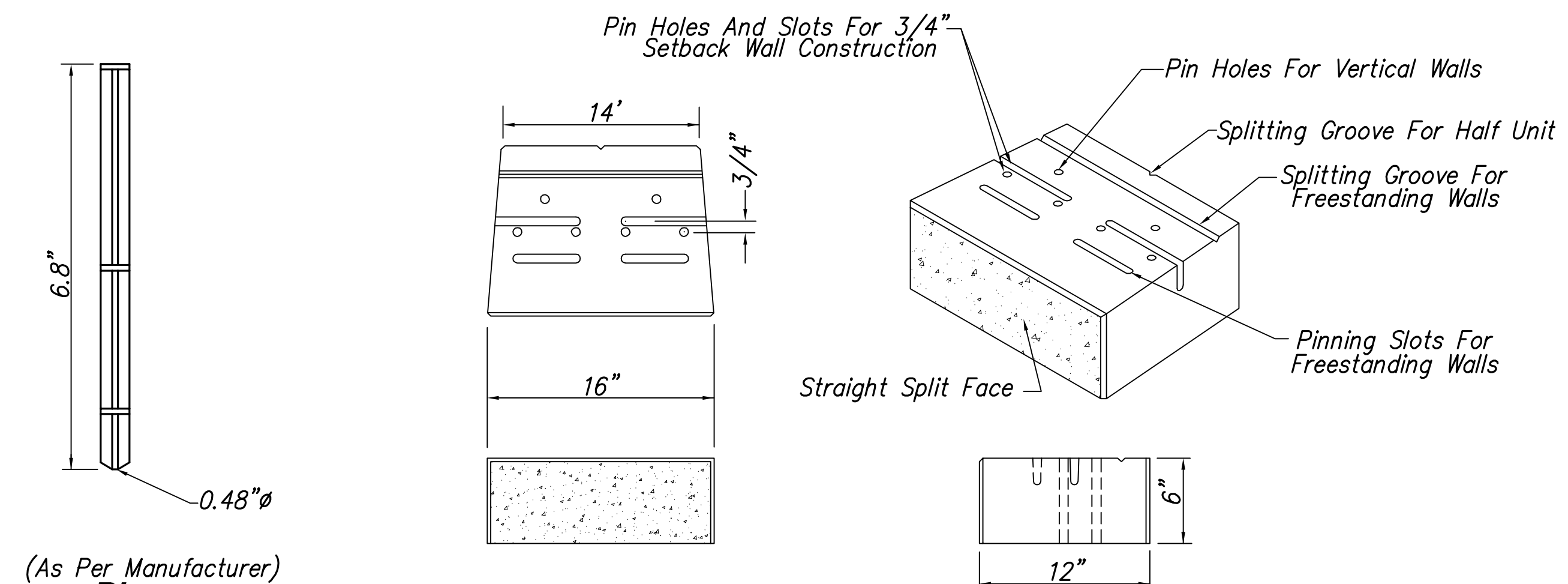
- Limiting Stations
(Sta. 28+50 To Sta. 29+00)



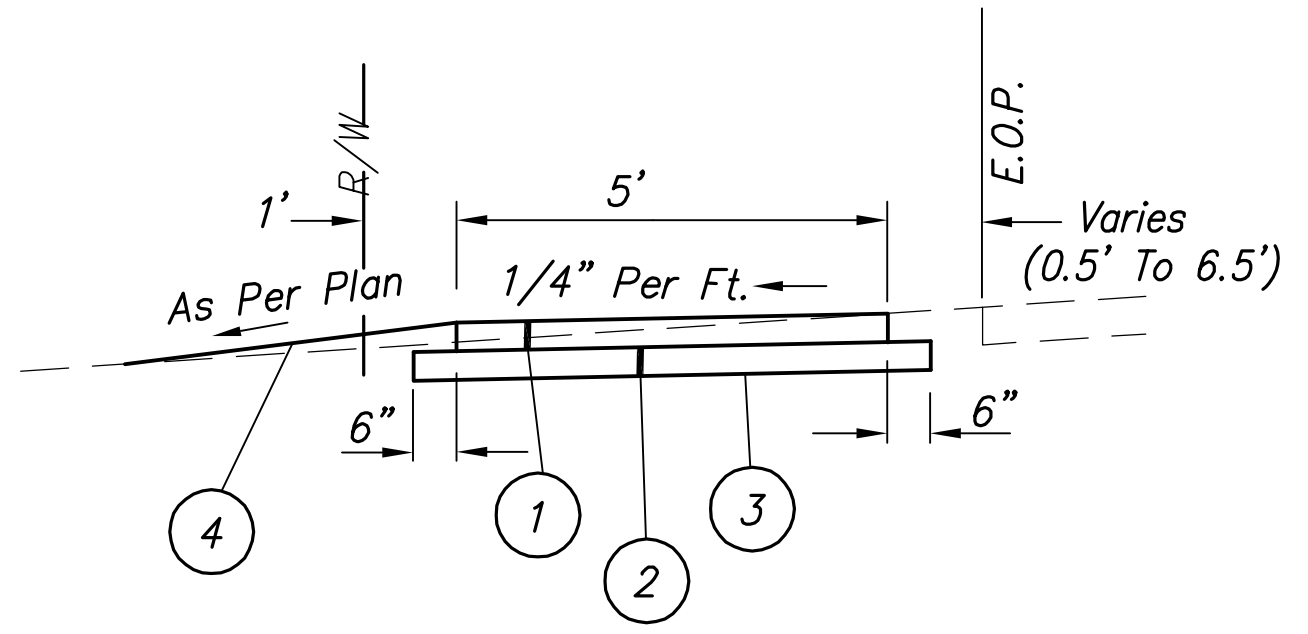
Section A-A
Modular Block Wall
N.T.S.
(Sta. 21+24.40 To Sta. 22+75)



Masonry Unit Pinning Detail
N.T.S.

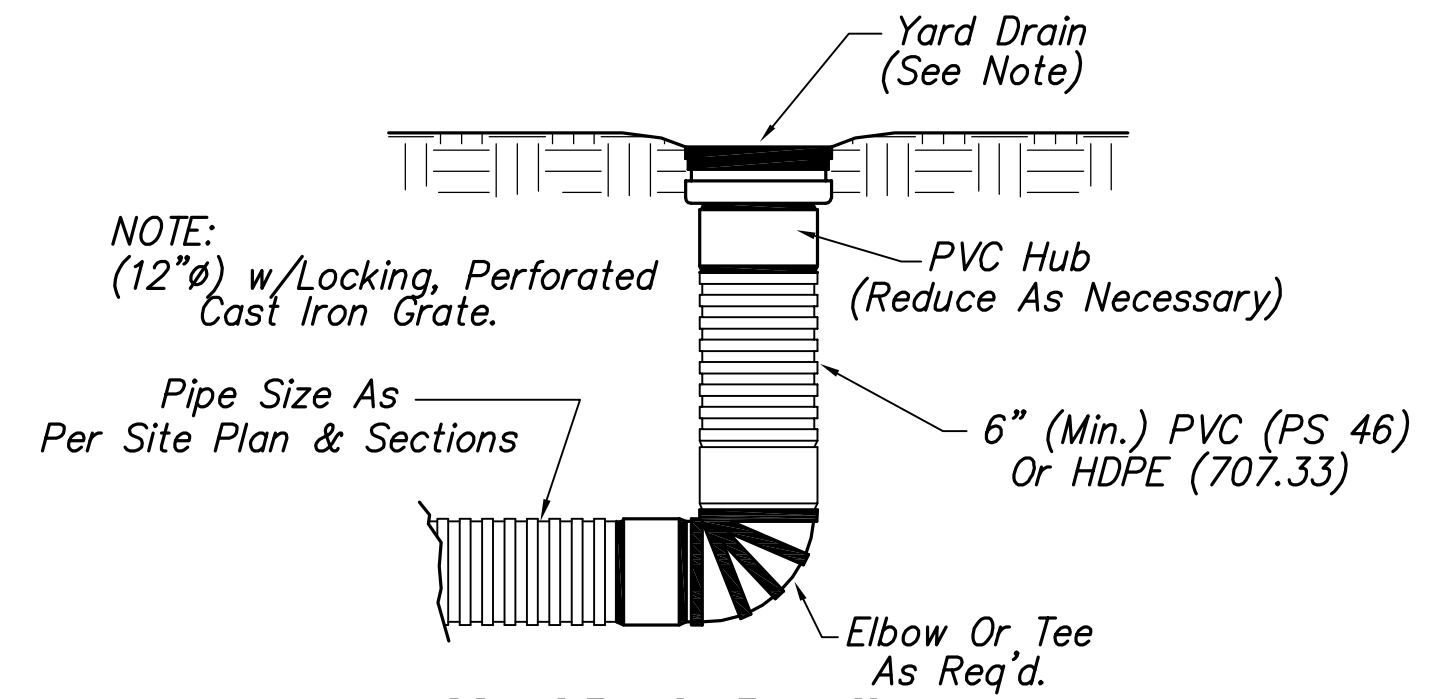


Masonry Unit Details
N.T.S.



Typical Sidewalk Section

- Limiting Stations
(Sta. 10+19.64 To Sta. 13+55)
(Sta. 19+00 To Sta. 21+00)



Yard Drain Detail
N.T.S.

GENERAL NOTES

CALCULATED
DEV
CHECKED
JDV

GENERAL NOTES

COL-DUQUESNE STREET
SIDEWALKS

4
19

UTILITIES

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

AT&T 2933 SALT SPRINGS ROAD YOUNGSTOWN, OH 44512 330-270-8810	OHIO EDISON COMPANY 730 SOUTH AVENUE YOUNGSTOWN, OH 44502 330-747-2071 ATTN.: SAM ARISMAN	CITY OF COLUMBIANA - WATER 28 WEST FRIEND STREET COLUMBIANA, OH 44408 330-482-2484 ATTN.: KEITH REES
COMCAST (CABLE) 2810 DARLINGTON RD. BEAVER FALLS, PA 15010 800-266-2278 ATTN.: DAVID TATAREK	COLUMBIA GAS OF OHIO 1985 WEST MAIN STREET ALLIANCE, OH 44601 419-957-6633 ATTN.: CHRIS ROBINSON	CITY OF COLUMBIANA ELECTRIC 28 WEST FRIEND ST. COLUMBIANA, OH 44408 330-482-2173 ATTN.: RICHARD GIBSON

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

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON THIS PROJECT. SEE PLAN SHEETS FOR PRIMARY PROJECT CONTROL INFORMATION.

PRIMARY PROJECT CONTROL.

POSITIONING METHOD: ODOT VRS
MONUMENT TYPE: TYPE B

VERTICAL POSITIONING
ORTHOMETRIC HEIGHT DTAUM: NAVD88
GEOID: 12B

HORIZONTAL POSITIONING
REFERENCE FRAME: NAD 83 (CONUS)
ELLIPSOID: GRS 80

MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: OHIO STATE PLANE - NORTH ZONE (3401)
COMBINED SCALE FACTOR: 0.9999184397
ORIGIN OF COORDINATE SYSTEM: (0,0)

UNITS ARE IN U.S. SURVEY FEET.

PROPERTY PINS

DUE TO THE CLOSE PROXIMITY OF PROPERTY IRON PINS TO THE CONSTRUCTION AREA, SPECIAL CARE SHALL BE TAKEN TO AVOID THEIR DISTURBANCE. IF ANY PROPERTY IRON PIN SHOULD HAPPEN TO BE ACCIDENTALLY DISTURBED, THE CONTRACTOR SHALL HAVE THE PIN RESET BY A REGISTERED SURVEYOR AT HIS OWN EXPENSE. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER WRITTEN DOCUMENTATION THAT THE PROPERTY PINS WERE RESET BY A REGISTERED SURVEYOR. ALL PINS THAT NEED TO BE RESET MUST BE RESET PRIOR TO COMPLETION OF THIS PROJECT.

ITEM 659, SEEDING AND MULCHING, CLASS 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 ITEM 659, SEEDING AND MULCHING, ARE BASED ON THESE LIMITS.

WATERING AND MOWING PERMANENT SEEDED AREAS

THE FOLLOWING ESTIMATED QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER TO PROMOTE GROWTH AND TO CARE FOR PERMANENT SEEDED AREAS PER 659.09:

659 WATER 4 M. Gallons

ITEM 630 - REMOVAL OF GROUND MOUNTED SIGN AND REERECTION

THE CONTRACTOR SHALL CAREFULLY REMOVE ALL EXISTING ROADWAY SIGNS AND POSTS THAT PREVENT CONSTRUCTION OF THE PROJECT. THE EXISTING SIGNS WITH NEW NO. 3 POSTS SHALL BE ERECTED, AS PER PLAN, AS SOON AS POSSIBLE.

SAW CUT GENERAL

ALL SAW CUTTING SHALL BE PERFORMED WITH A SELF PROPELLED TYPE OF UNIT WHICH CAN MAINTAIN A STRAIGHT LINE BETWEEN CONTROL POINTS. CUTTING WHEELS MOUNTED ON GRADER, END LOADER OR BACKHOE WILL NOT BE ALLOWED. HAND HELD SAWS MAY BE USED ON SHORT LENGTHS OF 10 FEET OR LESS. PAYMENT FOR SAW CUTTING SHALL BE INCLUDED WITH THE RESPECTIVE WORK ITEMS.

RESIDENTIAL AND COMMERCIAL DRAINAGE CONNECTIONS

EXISTING ROOF DRAINS, FOOTER DRAINS, OR YARD DRAINS, DISTURBED BY THE WORK, SHALL BE PROVIDED WITH UNOBSTRUCTED OUTLETS BY CONNECTING A CONDUIT THROUGH THE CURB OR INTO A DRAINAGE STRUCTURE. THE LOCATION, TYPE, SIZE AND GRADE OF THE NEW CONDUIT REQUIRED TO REPLACE OR EXTEND THE EXISTING DRAIN WILL BE DETERMINED BY THE ENGINEER.

THE FOLLOWING CONDUIT TYPES MAY BE USED: 707.33, 707.41 NON-PERFORATED, 707.42, 707.43, 707.45, 707.46, 707.47, 707.51, 707.52 PS46 MIN.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER FOR THE WORK NOTED ABOVE.

611 - 6 INCH CONDUIT, TYPE B, FOR DRAINAGE CONNECTION	100 LIN. FT.
611 - 4 INCH CONDUIT, TYPE B, FOR DRAINAGE CONNECTION	100 LIN. FT.

CROSSING 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 611 CONDUIT ITEM.

CONSTRUCTION NOISE

ALL LAND USE AND ACTIVITIES ADJACENT TO THIS PROJECT MAY BE AFFECTED BY NOISE DURING CONSTRUCTION OF THIS PROJECT. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, POWER-OPERATED, CONSTRUCTION TYPE DEVICES SHALL BE OPERATED BETWEEN THE HOURS OF 7:00 P.M. AND 7:00 A.M. AND ON SUNDAYS PER CITY OF COLUMBIANA ORDINANCE. IN ADDITION, ANY POWER-OPERATED CONSTRUCTION TYPE DEVICE SHALL NOT BE OPERATED IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

CLEARING AND GRUBBING

REMOVE ALL TREES AND STUMPS (12" DIAMETER AND UNDER) SPECIFICALLY MARKED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS UNDER THE LUMP SUM BID ITEM 201, CLEARING AND GRUBBING.

THE FOLLOWING IS AN APPROXIMATE ESTIMATE OF NUMBER OF TREES AND STUMPS TO BE REMOVED.

SIZE	NO. OF TREES	NO. OF STUMPS	TOTAL
18"	1	0	1
30"	0	1	1

ROADWAY QUANTITIES

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM	TOTAL	DESCRIPTION
201	LUMP	CLEARING AND GRUBBING
619	3 MONTHS	FIELD OFFICE, TYPE A

STORM WATER POLLUTION PREVENTION PLAN

REFERENCE SHALL BE MADE TO SUPPLEMENTAL SPECIFICATIONS 832 AND PROPOSAL NOTE 205 REGARDING THE STORM WATER POLLUTION PREVENTION PLAN.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR ITEM 832 - EROSION CONTROL

ITEM 832 - EROSION CONTROL 2000 EACH

MAILBOX REMOVED AND RELOCATED

MAILBOXES TO BE REMOVED AND RELOCATED SHALL BE CAREFULLY REMOVED, STORED AND RELOCATED AS CLOSE TO ORIGINAL POSITION AS POSSIBLE.

ITEM 614 MAINTAINING TRAFFIC

THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND DIRECTOR OR PUBLIC WORKS, CITY OF COLUMBIANA, AT LEAST 48 HOURS IN ADVANCE (EXCLUSIVE OF SATURDAY, SUNDAY OR HOLIDAYS) OF HIS INTENT TO DIVERT TRAFFIC.

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT.

CURB LANE CLOSURES OF SHORT DURATION MAY BE PERMITTED BY USE OF FLAGGERS AS PER DWG. MT-97.10.

CONTRACTOR SHALL MAINTAIN ACCESS TO LOCAL RESIDENT DRIVEWAYS AT ALL TIMES AND OTHER LOCAL TRAFFIC SHALL BE MAINTAINED AS PER CMS 614.02(a).

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 CLOSURE 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 ITEM CMS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, LATEST REVISION. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

PEDESTRIAN TRAFFIC SHALL BE MAINTAINED BY THE USE OF FLAGGERS, AS NECESSARY.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

WATERS OF THE US PLAN NOTE

WATERS OF THE US HAVE BEEN IDENTIFIED WITHIN THE PROJECT AREA. THE CONTRACTOR SHALL EXERCISE CAUTION TO ENSURE THAT NO IMPACTS OCCUR TO WATERS OF THE US. NO TEMPORARY OR PERMANENT FILL OF ANY TYPE MAY BE PLACED IN ANY STREAM OR WETLAND AS PART OF THIS PROJECT. ANY ACTIVITIES OCCURRING IN STREAM OR WETLAND AS PART OF THIS PROJECT. ANY ACTIVITIES OCCURRING IN STREAMS OR WETLANDS WOULD REQUIRE PERMITS FROM THE US ARMY CORPS OF ENGINEERS AND/OR THE OHIO EPA.

ANY OTHER SITE PROPOSED BY THE CONTRACTOR FOR OFF PROJECT ANCILLARY CONSTRUCTION (STAGING AREAS, WASTE LOCATIONS, AND/OR BORROW LOCATIONS) MUST MEET THE REQUIREMENTS OF CMS 105.16.

NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (Hauling.Permits@dot.ohio.gov) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUEST BY THE PROJECT ENGINEER.

NOTIFICATION OF TRAFFIC RESTRICTIONS TIME TABLE

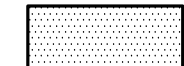
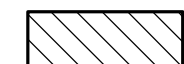

ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS & PIO
LANE	≥ 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
CLOSURES & RESTRICTIONS	< 2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE

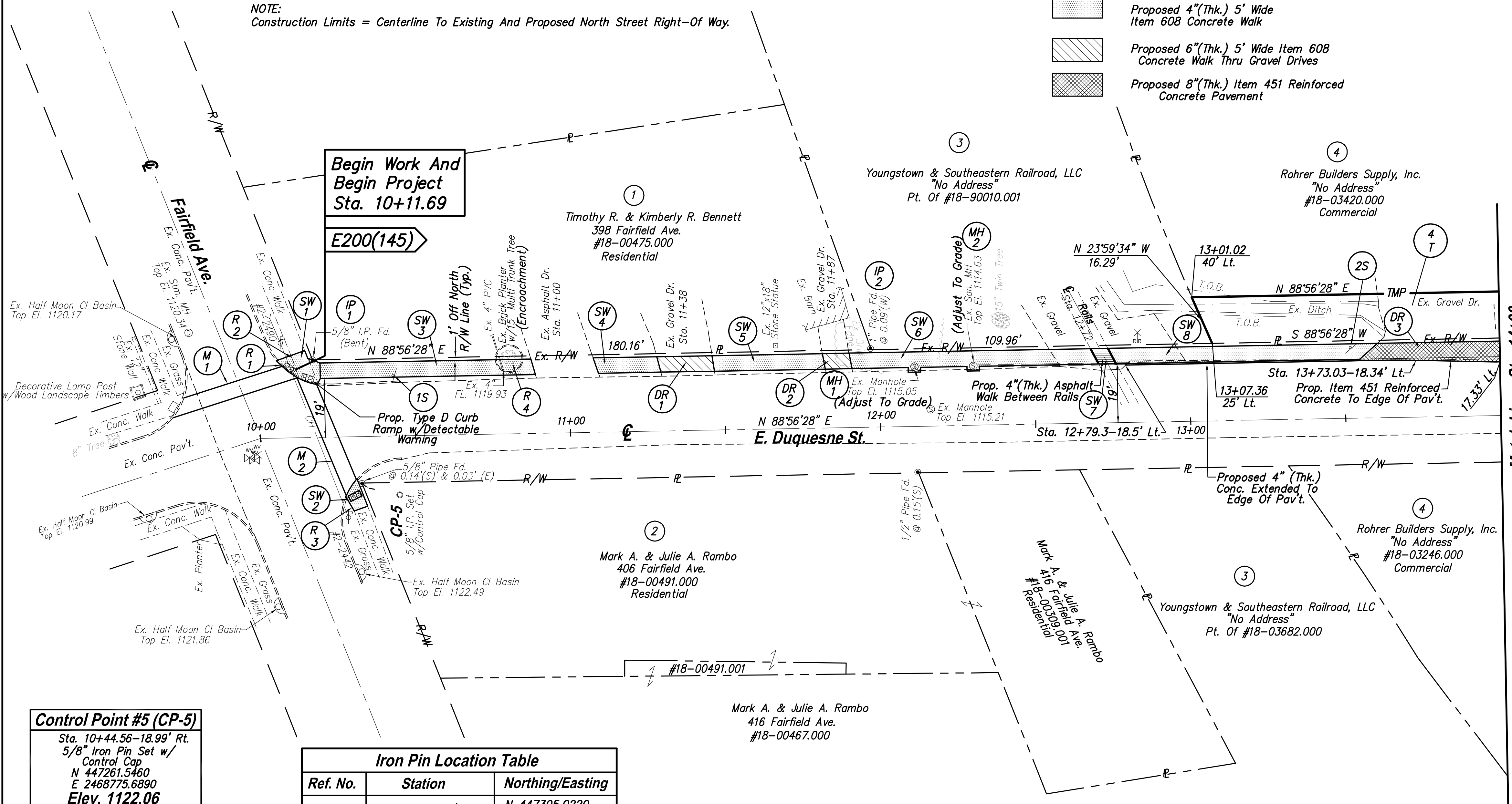
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES N/A 14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

ANY UNFORSEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME TABLE.

NOTE:
Construction Limits = Centerline To Existing And Proposed North Street Right-Of Way.

Legend (Refer To Typical Sections On Sht. 3/19)

-  Proposed 4"(Thk.) 5' Wide Item 608 Concrete Walk
-  Proposed 6"(Thk.) 5' Wide Item 608 Concrete Walk Thru Gravel Drives
-  Proposed 8"(Thk.) Item 451 Reinforced Concrete Pavement



Control Point #5 (CP-5)
Sta. 10+44.56-18.99' Rt.
5/8" Iron Pin Set w/
Control Cap
N 447261.5460
E 2468775.6890
Elev. 1122.06

Ref. No.	Station	Northing/Easting
IP-1	10+17.27-25' Lt.	N 447305.0220 E 2468747.5580
IP-2	11+97.18-25.4' Lt.	N 447308.7500 E 2468927.4580

REF. NO.	STATION		SIDE	201	202	202
	FROM	TO		Tree Removal, 18" Size w/9" Brick Planter Removed, As Per Plan	Walk Removed	Curb Removed
R-1	10+05.6	10+18.71	Lt.			10.6
R-2	10+15.3	10+12.7	Lt.		46.1	
R-3	10+28.78	10+31.97	Rt.		39.4	
R-4	10+43.50		Lt.	1		
TOTALS CARRIED TO GENERAL SUMMARY				1	85.5	10.6

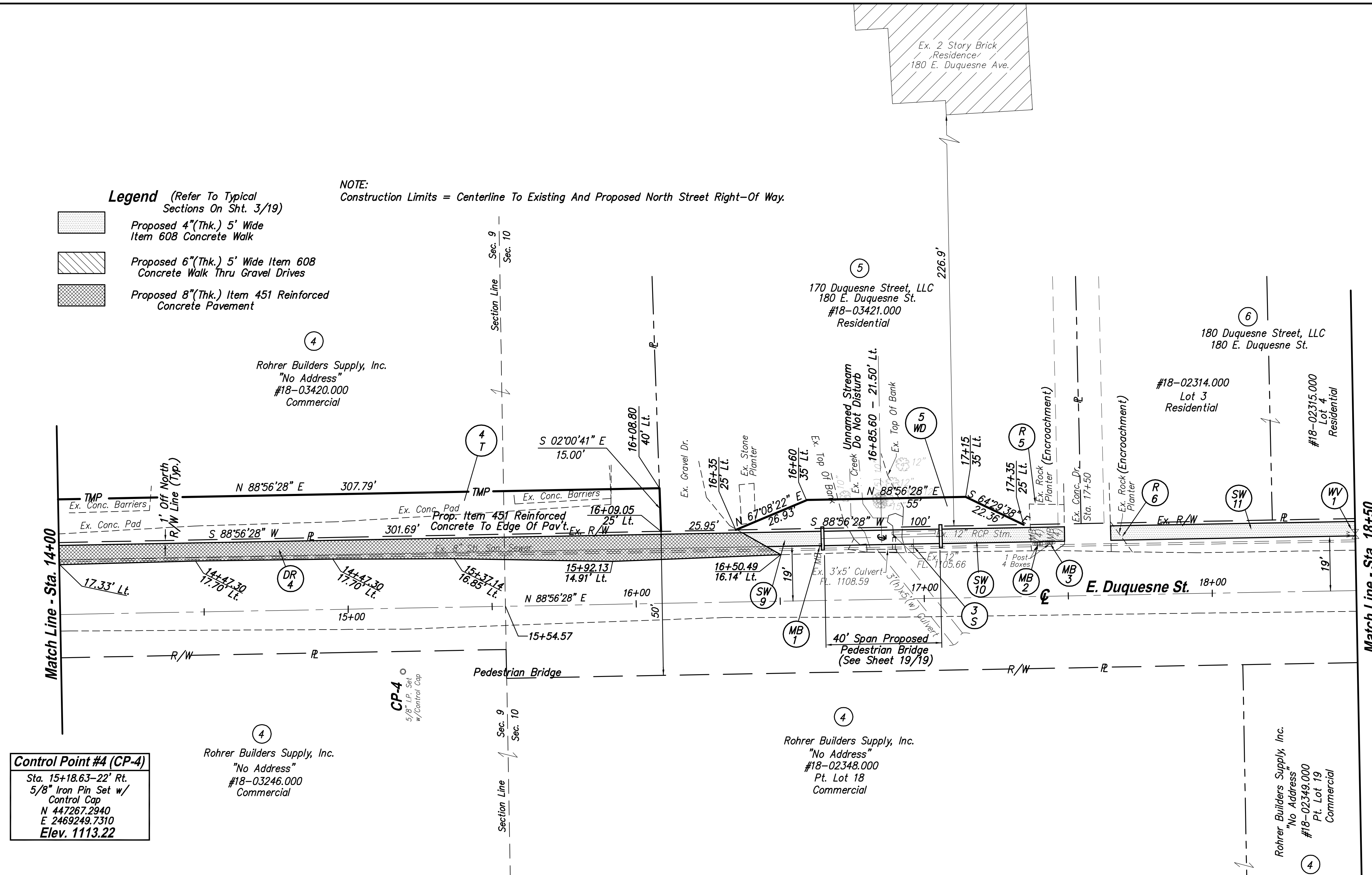
REF. NO.	STATION		SIDE	204	304	451	608	611	630	642
	FROM	TO		Subgrade Compaction	4" Aggregate Base	8" Reinforced Concrete Pavement Class QC 1P	6" Concrete Walk	Manhole Adjusted To Grade	Removal Of Ground Mounted Sign And Re-Erection, As Per Plan	Cross Walk Line 12" Type 1
DR-1	11+28.83	11+46.39	Lt.	11.7	1.4		87.8			
DR-2	11+82.05	11+90.63	Lt.	5.7	0.6		42.9			
DR-3	13+57.45	14+00	Lt.	32.9	3.6	28				
M-1	9+78.59	10+09.60	Lt.							75.1
M-2	10+28.76	10+15.23	Lt.							74.3
MH-1	12+11.22		Lt.					1		
MH-2	12+30.17		Lt.					1		
1S	10+43.50		Lt.						1	
2S	13+52.08		Lt.						1	
TOTALS CARRIED TO GENERAL SUMMARY				50.3	5.6	28	130.7	2	2	149.4

REF. NO.	STATION	SIDE	STATION		CALCULATED	DEV CHECKED	JCV	PID NO.	TOTALS CARRIED TO GENERAL SUMMARY
			FROM	TO					
SW-1	10+10.18	Lt.	10+19.64		9.7				213.5
SW-2	10+27.78	Rt.	10+31.97		4.4				
SW-3	10+19.64	Lt.	10+88.31		45.8				
SW-4	11+08.52	Lt.	11+28.83		13.5				
SW-5	11+46.39	Lt.	11+82.05		23.8				
SW-6	11+90.63	Lt.	12+69.22		54.1				
SW-7	12+69.53	Lt.	12+74.82		2.9				
SW-8	12+75.13	Lt.	13+57.58		59.3				
TOTALS CARRIED TO GENERAL SUMMARY									213.5
TOTALS CARRIED TO GENERAL SUMMARY									22.9
TOTALS CARRIED TO GENERAL SUMMARY									0.3
TOTALS CARRIED TO GENERAL SUMMARY									1605.1
TOTALS CARRIED TO GENERAL SUMMARY									126.7
TOTALS CARRIED TO GENERAL SUMMARY									111412

COL-DUQUESNE STREET SIDEWALKS
 STA. 10+00 TO STA. 14+00
 SIDEWALK PLAN
 STA. 10+00 TO STA. 14+00
 6/19

- Legend** (Refer To Typical Sections On Sht. 3/19)
- Proposed 4"(Thk.) 5' Wide Item 608 Concrete Walk
 - Proposed 6"(Thk.) 5' Wide Item 608 Concrete Walk Thru Gravel Drives
 - Proposed 8"(Thk.) Item 451 Reinforced Concrete Pavement

NOTE:
Construction Limits = Centerline To Existing And Proposed North Street Right-Of-Way.



Control Point #4 (CP-4)
Sta. 15+18.63-22' Rt.
5/8" Iron Pin Set w/
Control Cap
N 447267.2940
E 2469249.7310
Elev. 1113.22

Rohrer Builders Supply, Inc.
"No Address"
#18-03246.000
Commercial

Rohrer Builders Supply, Inc.
"No Address"
#18-02348.000
Pt. Lot 18
Commercial

Rohrer Builders Supply, Inc.
"No Address"
#18-02349.000
Pt. Lot 19
Commercial

REF. NO.	STATION		SIDE	202	
	FROM	TO		Removal Misc.: Rock Planter	Mailbox Removed & Relocated
R-5	17+43.07		Lt.	1	
R-6	17+68.87		Lt.	1	
MB-1	16+64.35		Lt.		1
MB-2	17+40.07		Lt.		1
MB-3	17+44.07		Lt.		1
TOTALS CARRIED TO GENERAL SUMMARY				2	3

REF. NO.	STATION	SIDE	STATION		ITEM	QTY	UNIT	TOTALS CARRIED TO GENERAL SUMMARY
			FROM	TO				
DR-4	14+00		16+43.87		Subgrade Compaction	226.0	S.Y.	326.3
SW-9	16+41.46		16+64.60		4" Aggregate Base	15.4	Lt.	35.9
SW-10	17+06.60		17+49.06		8" Reinforced Concrete Pavement Class QC 1P	28.3	S.Y.	199
SW-11	17+65.12		18+50		4" Concrete Walk	56.6	S.F.	752.4
SS	16+96.63				Removal Of Ground Mounted Sign And Re-Erection, As Per Plan	1	Each	1
WV-1			18+50		Valve Box Adjust To Grade	1	Each	1
TOTALS CARRIED TO GENERAL SUMMARY								326.3

HORIZONTAL SCALE IN FEET

0 10 20 30 40

PD NO.

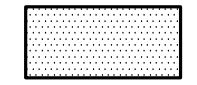


111412

CALCULATED
DEV
CHECKED
JDV

7
19

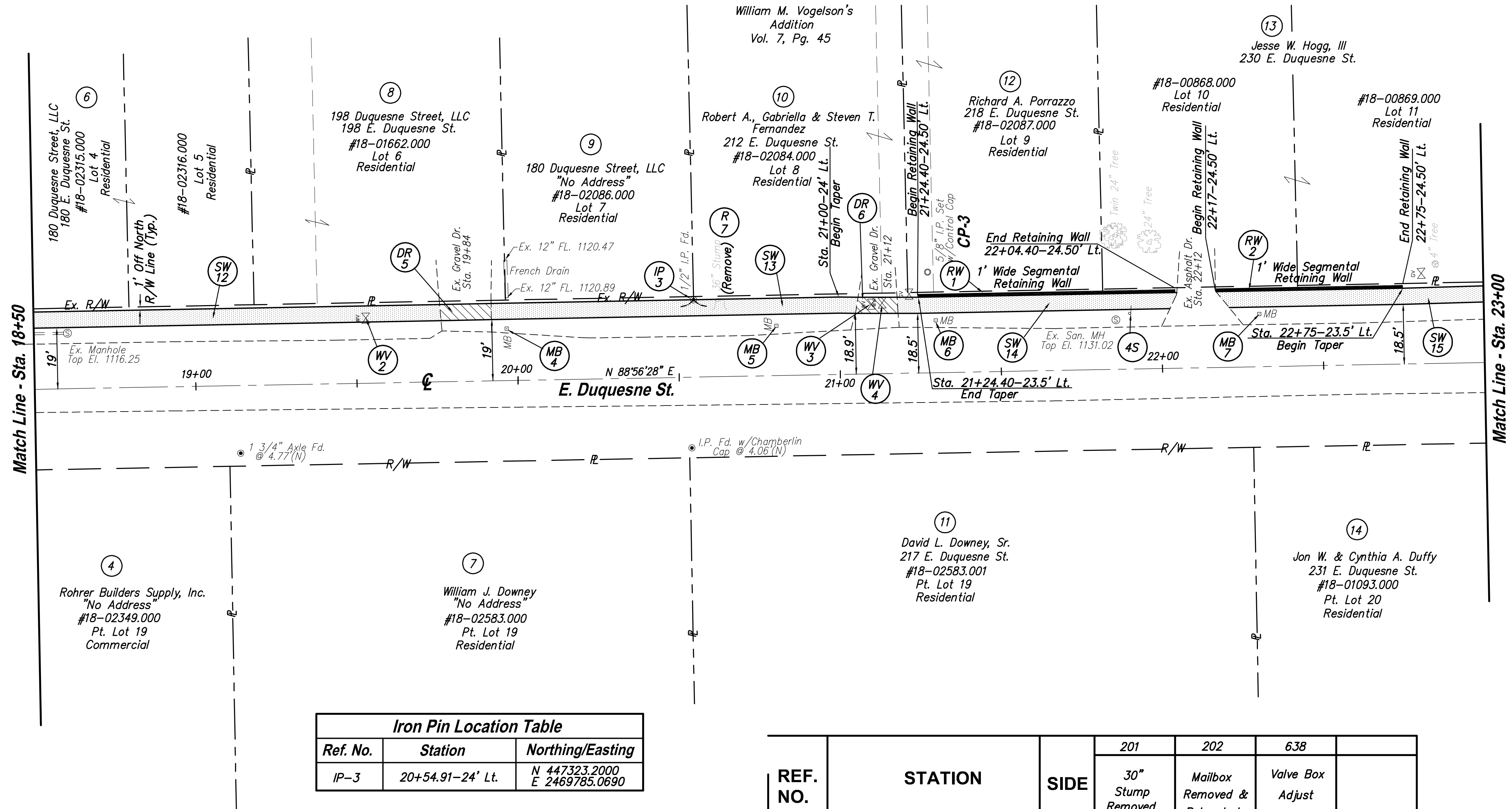
SIDEWALK PLAN
STA. 14+ TO STA. 18+50

COL-DUQUESNE STREET
SIDEWALKS

- Legend** (Refer To Typical Sections On Sht. 3/19)
-  Proposed 4"(Thk.) 5' Wide Item 608 Concrete Walk
 -  Proposed 6"(Thk.) 5' Wide Item 608 Concrete Walk Thru Gravel Drives
 -  Proposed 8"(Thk.) Item 451 Reinforced Concrete Pavement

NOTE:
Construction Limits = Centerline To Existing And Proposed North Street Right-Of Way.

NOTE:
Gas Valve Adjustment To Be Performed By Gas Company.



Iron Pin Location Table

Ref. No.	Station	Northing/Easting
IP-3	20+54.91-24' Lt.	N 447323.2000 E 2469785.0690

REF. NO.	STATION		SIDE	201	202	638	
	FROM	TO		30" Stump Removed	Mailbox Removed & Relocated	Valve Box Adjust To Grade	
				Each	Each	Each	
R-7	20+62.94		Lt.	1			
WV-2	19+53.08		Lt.			1	
WV-3	21+10.07		Lt.			1	
WV-4	21+13.37		Lt.			1	
MB-4	19+96.75		Lt.		1		
MB-5	20+80.40		Lt.		1		
MB-6	21+29.94		Lt.		1		
MB-7	22+30.35		Lt.		1		
TOTALS CARRIED TO GENERAL SUMMARY				1	4	3	

REF. NO.	STATION	SIDE	STATION		CALCULATED	DEV	CHECKED	JDV
			FROM	TO				
RW-1	21+24.40	Lt.	22+04.40					
RW-2	22+17.00	Lt.	22+75.00					
4S		Lt.	21+90.48					
TOTALS CARRIED TO GENERAL SUMMARY						483	138	1

REF. NO.	STATION	SIDE	STATION		S.F.	S.F.	C.Y.	S.Y.
			FROM	TO				
SW-12	18+50	Lt.	19+76.26				84.2	
SW-13	19+92.06	Lt.	21+05.50		631.1	567.1	75.6	
SW-14	21+18.16	Lt.	22+03.60		428.5	404.8	57.1	
SW-15	22+19.05	Lt.	23+00				54.0	
DR-5	19+76.26	Lt.	19+92.06		79.0		10.5	
DR-6	21+05.50	Lt.	21+18.16		63.4		8.5	
TOTALS CARRIED TO GENERAL SUMMARY						2031.5	31.9	289.9

COL-DUQUESNE STREET SIDEWALKS

8
19

SIDEWALK PLAN

STA. 18+50 TO STA. 23+00

PD NO. **111412**

CALCULATED **JDV**

DEV **JDV**

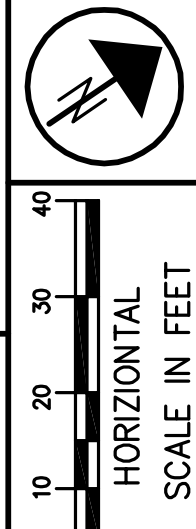
CHECKED **JDV**

TOTALS CARRIED TO GENERAL SUMMARY

483

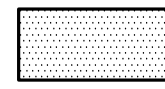


138

1



HORIZONTAL SCALE IN FEET

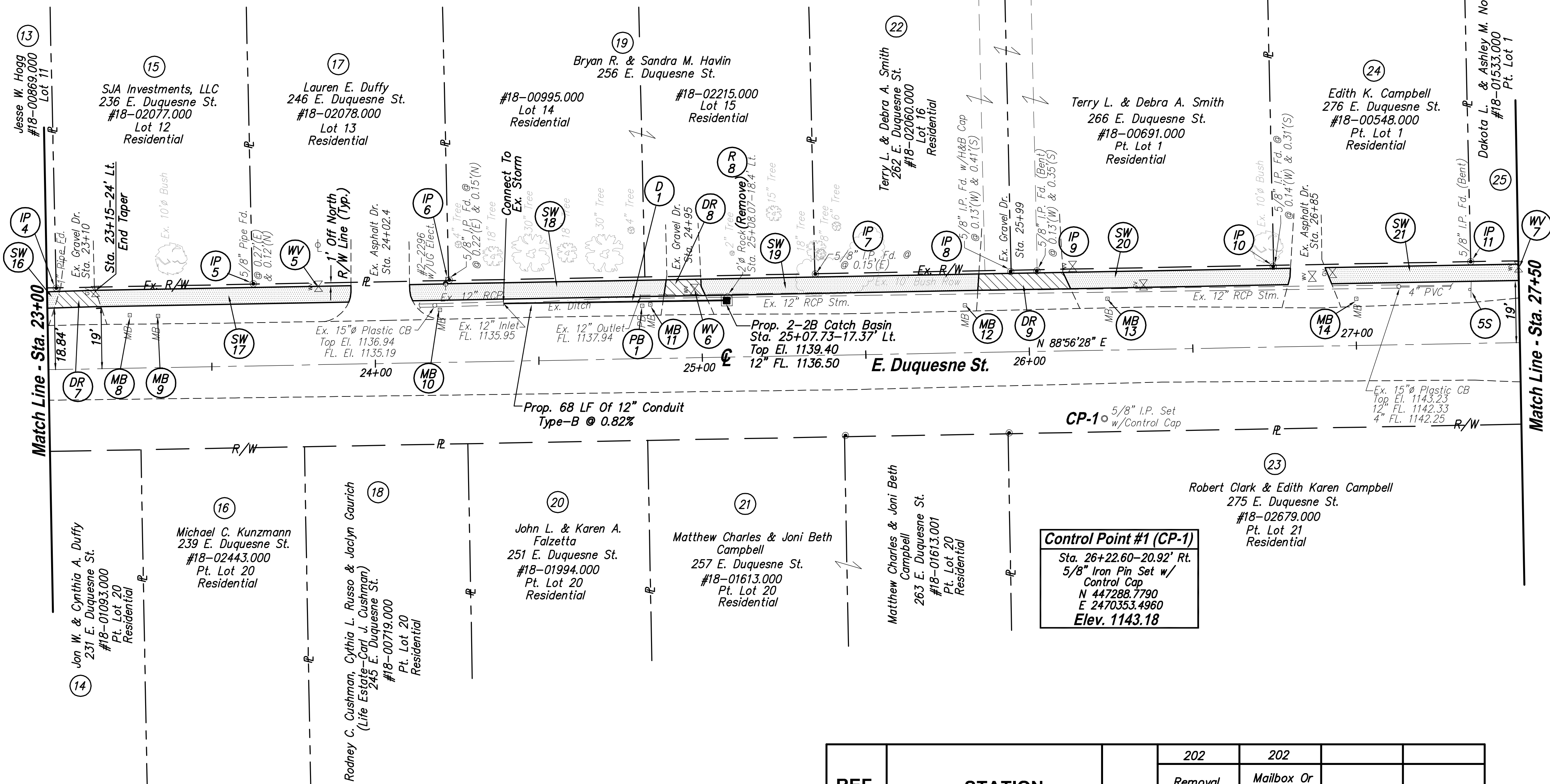
Legend (Refer To Typical Sections On Sht. 3/19)

-  Proposed 4"(Thk.) 5' Wide Item 608 Concrete Walk
-  Proposed 6"(Thk.) 5' Wide Item 608 Concrete Walk Thru Gravel Drives
-  Proposed 8"(Thk.) Item 451 Reinforced Concrete Pavement

NOTE:
Construction Limits = Centerline To Existing And Proposed North Street Right-Of Way.

NOTE:
Gas Valve Adjustment To Be Performed By Gas Company.

William M. Vogelson's
Addition
Vol. 7, Pg. 45



Ref. No.	Station	Northing/Easting
IP-4	23+02.86-24.97' Lt.	N 447328.7220 E 2470032.9620
IP-5	23+63.13-25.13' Lt.	N 447330.0250 E 2470093.2160
IP-6	24+23.08-25.16' Lt.	N 447331.1640 E 2470153.1540
IP-7	25+35.01-24.95' Lt.	N 447333.0250 E 2470265.0720
IP-8	25+94.73-24.60' Lt.	N 447333.7750 E 2470324.7870
IP-9	26+02.74-24.65' Lt.	N 447333.9800 E 2470332.7940
IP-10	26+75.03-24.69' Lt.	N 447335.3510 E 2470405.0690
IP-11	27+35.44-24.99' Lt.	N 447336.7690 E 2470465.4680

Control Point #1 (CP-1)
Sta. 26+22.60-20.92' Rt.
5/8" Iron Pin Set w/
Control Cap
N 447288.7790
E 2470353.4960
Elev. 1143.18

REF. NO.	STATION		SIDE	202	
	FROM	TO		Removal Misc.: 2" Rock Removed	Mailbox Or (Paper Box) Removed & Relocated
R-8	25+08.07		Lt.	1	
MB-8	23+25.19		Lt.		1
MB-9	23+33.83		Lt.		1
MB-10	24+20.04		Lt.		1
MB-11	24+84.39		Lt.		1
MB-12	25+80.57		Lt.		1
MB-13	26+24.21		Lt.		1
MB-14	27+00.27		Lt.		1
PB-1	24+81.94		Lt.		1
TOTALS CARRIED TO GENERAL SUMMARY				1	8

REF. NO.	STATION		SIDE	611	
	FROM	TO		Standard No. 2-2-B Catch Basin	12" Conduit Type "B" (707.33)
D-1	25+07.73	25+07.73	Lt.	1	68
WV-5	24+39.54	25+07.73	Lt.		
WV-6	23+83.02	24+97.87	Lt.		
WV-7	27+50	27+50	Lt.		
SS	27+35.40	27+35.40	Lt.		
TOTALS CARRIED TO GENERAL SUMMARY				1	68

REF. NO.	STATION		SIDE	204		304		608	
	FROM	TO		S.Y.	Subgrade Compaction	C.Y.	4" Aggregate Base	S.F.	6" Concrete Walk
SW-16	23+00	23+03.01	Lt.	2.0		0.2			
SW-17	23+15.61	23+92.81	Lt.	51.4		5.7	385.9	15.0	
SW-18	24+11.04	24+88.96	Lt.	52.0		5.7	389.8		
SW-19	25+00.24	25+84.80	Lt.	56.2		6.2	422.1		
SW-20	26+11.95	26+80.11	Lt.	45.4		5.0	340.6		
SW-21	26+91.82	27+50	Lt.	38.8		4.3	290.9		
DR-7	23+03.01	23+15.61	Lt.	8.4		0.9			63.0
DR-8	24+88.96	25+00.24	Lt.	7.6		0.8			51.1
DR-9	25+84.80	26+11.95	Lt.	18.1		2.0			135.4
TOTALS CARRIED TO GENERAL SUMMARY				279.9		30.8	1844.3	249.5	

COL-DUQUESNE STREET SIDEWALKS

STATION 23+00 TO STA. 27+50

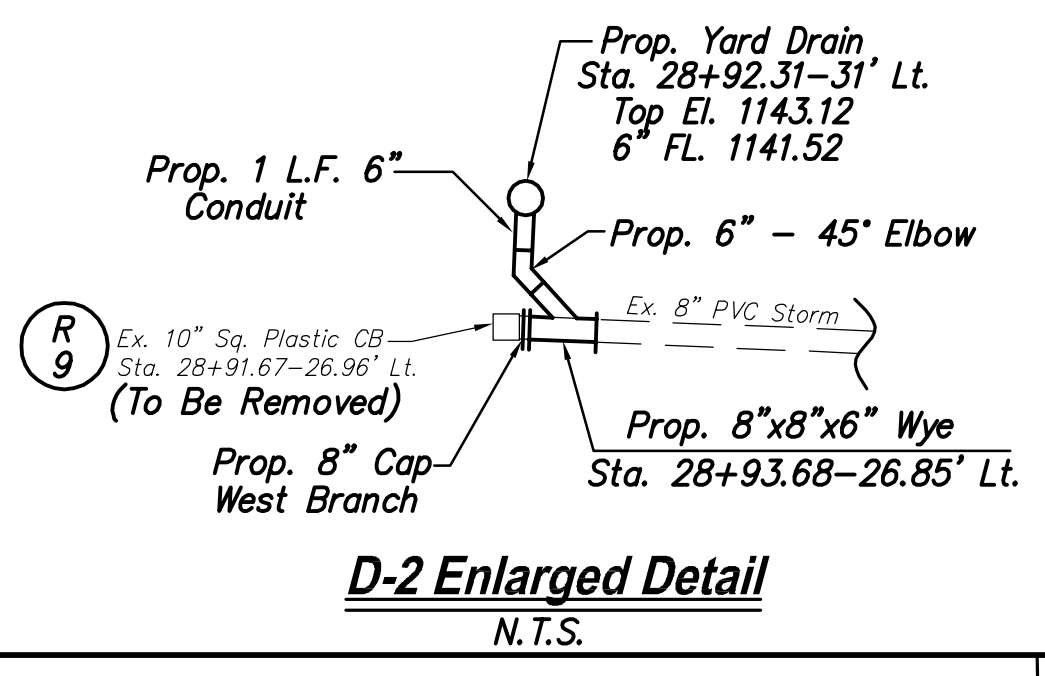
STATION 23+00 TO STA. 27+50

CALCULATED: **DEV** CHECKED: **JDV**

PROJECT NO. **111412**

TOTALS CARRIED TO GENERAL SUMMARY: **1** **68** **1** **3**

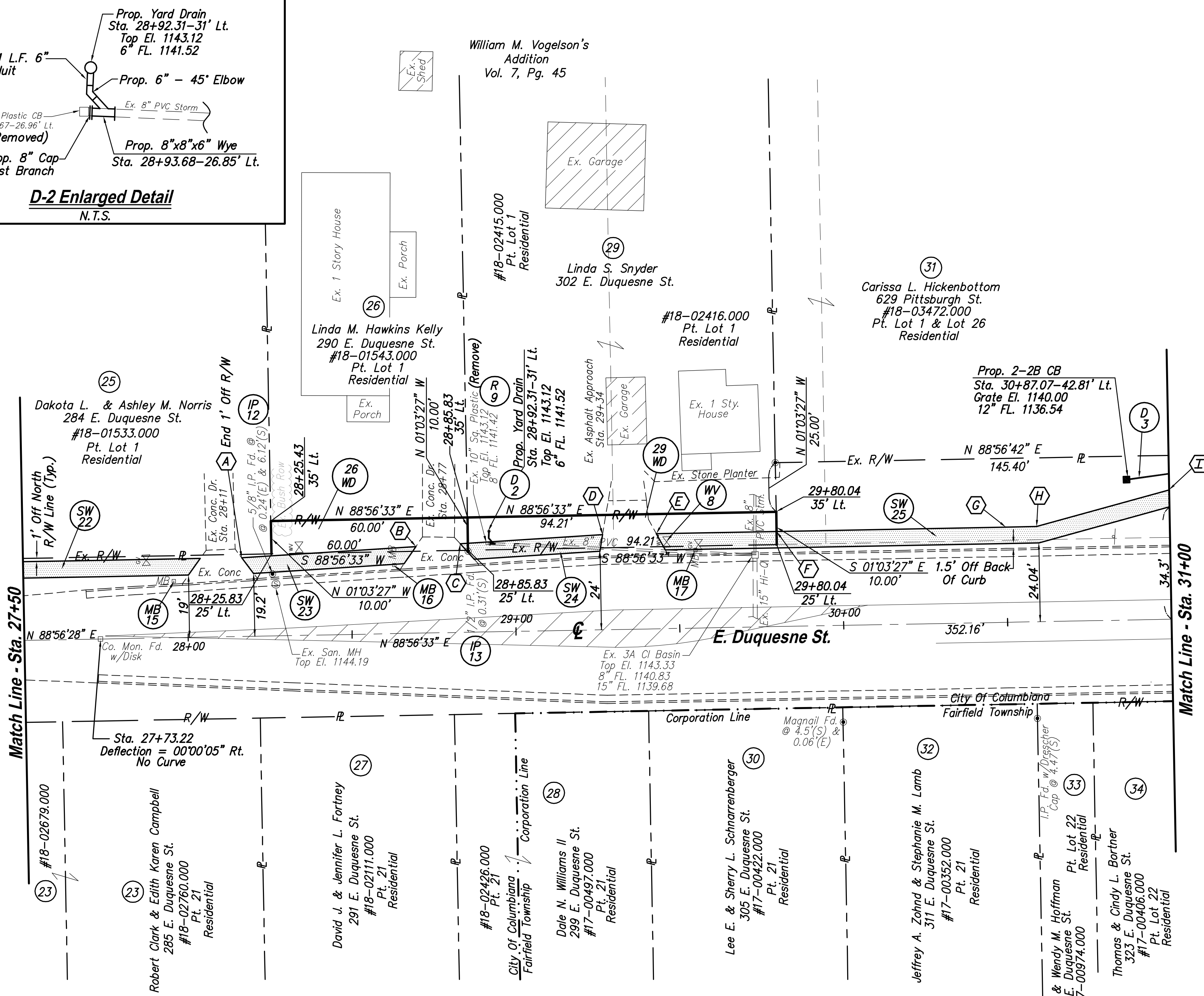
HORIZONTAL SCALE IN FEET: 1" = 40'



D-2 Enlarged Detail
N.T.S.

Match Line - Sta. 27+50

Match Line - Sta. 31+00



Control Point #1 (CP-1)
Sta. 26+22.60-20.92' Rt.
5/8" Iron Pin Set w/
Control Cap
N 447288.7790
E 2470353.4960
Elev. 1143.18

- Back Of Proposed Walk Layout**
- A Sta. 28+16.74-24' Lt.
 - B Sta. 28+69.93-26.43' Lt.
 - C Sta. 28+83.48-27.05' Lt.
 - D Sta. 29+26.96-29' Lt.
 - E Sta. 29+43.37-29' Lt.
 - F Sta. 29+80.04-29' Lt.
 - G Sta. 30+50-29.03' Lt.
 - H Sta. 30+59.40-29.04' Lt.
 - I Sta. 31+00-39.46' Lt.

- Legend** (Refer To Typical Sections On Sht. 3/19)
- Proposed 4"(Thk.) 5' Wide Item 608 Concrete Walk
 - Proposed 6"(Thk.) 5' Wide Concrete Walk Thru Gravel Drives
 - Proposed 8"(Thk.) Item 451 Reinforced Concrete Pavement

Iron Pin Location Table

Ref. No.	Station	Northing/Easting
IP-12	28+26.07-18.88' Lt.	N 447332.3300 E 2470556.1950
IP-13	28+85.83-24.69' Lt.	N 447339.2450 E 2470615.8380

NOTE: Construction Limits = Centerline To Existing And Proposed North Street Right-Of Way.

NOTE: Gas Valve Adjustment To Be Performed By Gas Company.

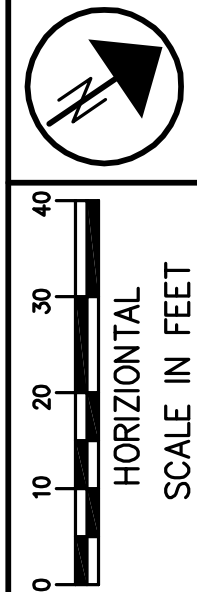
REF. NO.	STATION	SIDE	TO		ITEM	QTY	UNIT	CALCULATED	DEV	CHECKED	JDV	PID NO.	111412
			FROM	TO									
R-9	28+91.67	Lt.			10" Sq. Plastic Catch Basin	1	Each						
SW-22	27+50	Lt.			12" Conduit Type "B"		Ft.						
SW-23	28+18.52	Lt.			12" Conduit Type "B"		Ft.						
SW-24	28+85.34	Lt.			12" Conduit Type "B"		Ft.						
SW-25	29+44.69	Lt.			12" Conduit Type "B"		Ft.						
WV-8	29+46.49	Lt.			8" x 8" x 6" Wye, Conduit Misc.	1	Each						
MB-15	27+95.91	Lt.			6" - 45" Elbow, Conduit Misc.	1	Each						
MB-16	28+63.23	Lt.			6" - 45" Elbow, Conduit Misc.	1	Each						
MB-17	29+55.20	Lt.			6" - 45" Elbow, Conduit Misc.	1	Each						
D-2	28+92.31	Lt.			8" Cap Conduit Misc.	1	Each						
	28+92.18	Lt.			8" Cap Conduit Misc.	1	Each						
	28+92.22	Lt.			8" Cap Conduit Misc.	1	Each						
	28+92.55	Lt.			8" Cap Conduit Misc.	1	Each						
	28+93.68	Lt.			8" Cap Conduit Misc.	1	Each						
D-3	30+87.06	Lt.			8" Cap Conduit Misc.	1	Each						
	30+87.06	Lt.			8" Cap Conduit Misc.	1	Each						
TOTALS CARRIED TO GENERAL SUMMARY													

COL-DUQUESNE STREET SIDEWALKS

STATION STA. 27+50 TO STA. 31+00

SCALE HORIZONTAL SCALE IN FEET

10/19



PD NO.
111412

CALCULATED
DEV
CHECKED
JDV

SIDEWALK PLAN
STA. 31+00 TO STA. 33+27.10

COL-DUQUESNE STREET
SIDEWALKS

11
19

Q Curve Data
 PI Sta. = 31+97.48
 $\Delta = 53^{\circ}28'29''$
 R = 143.12'
 L = 133.58'
 T = 72.10'
 CH = 128.78'
 CH BRG = N 62°12'19" E

R/W Curve Data
 $\Delta = 53^{\circ}26'06''$
 R = 93.24'
 L = 86.96'
 T = 46.93'
 CH = 83.84'
 CH BRG = N 62°10'57" E

- Legend** (Refer To Typical Sections On Sht. 3/19)
- Proposed 4"(Thk.) 5' Wide Item 608 Concrete Walk
 - Proposed 6"(Thk.) 5' Wide Item 608 Concrete Walk Thru Gravel Drives
 - Proposed 8"(Thk.) Item 451 Reinforced Concrete Pavement

William M. Vogelson's
Addition
Vol. 7, Pg. 45

(31)
Carissa L. Hickenbottom
629 Pittsburgh St.
#18-03472.000
Pt. Lot 1 & Lot 26
Residential

End Project
Sta. 33+27.10

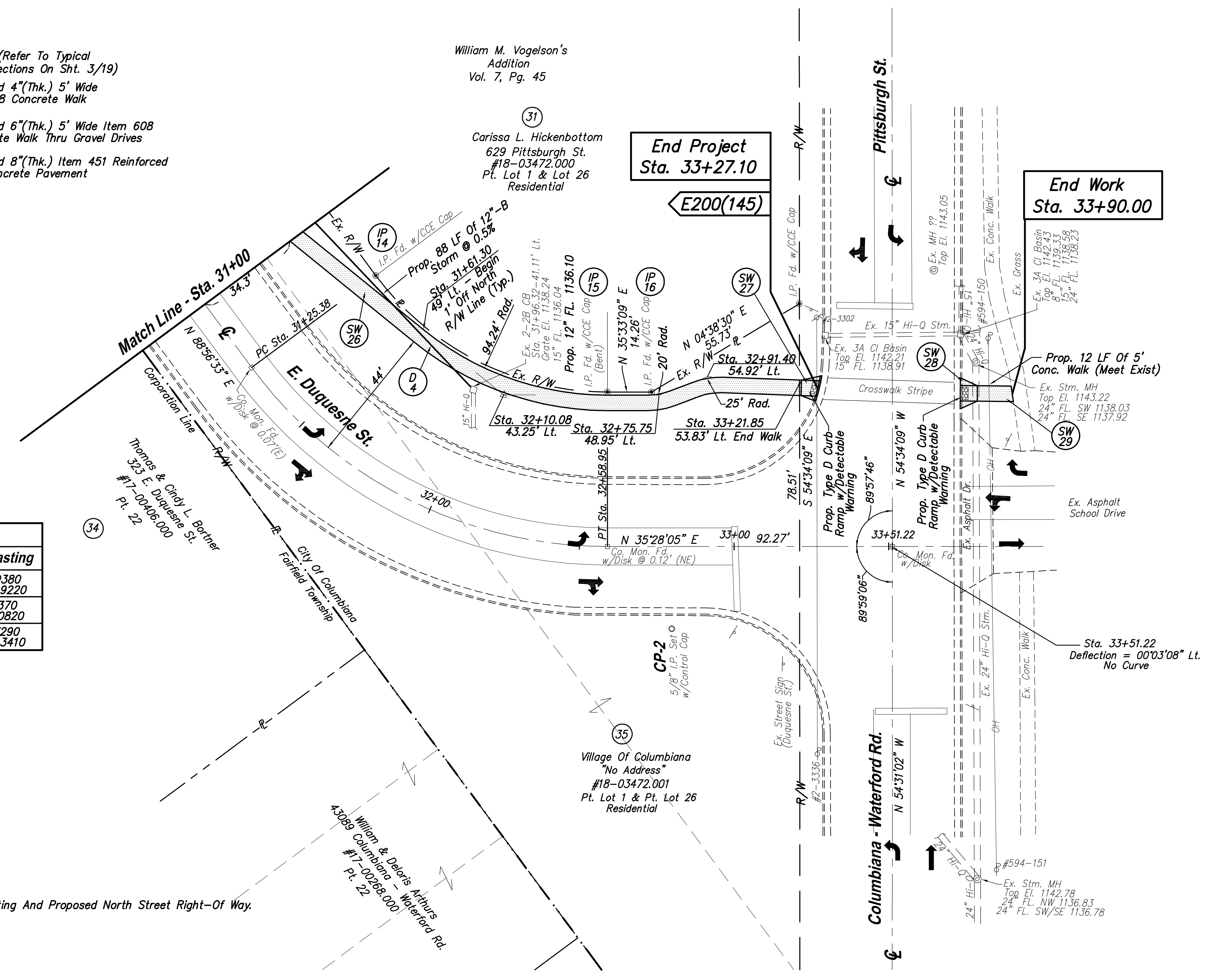
End Work
Sta. 33+90.00

Iron Pin Location Table

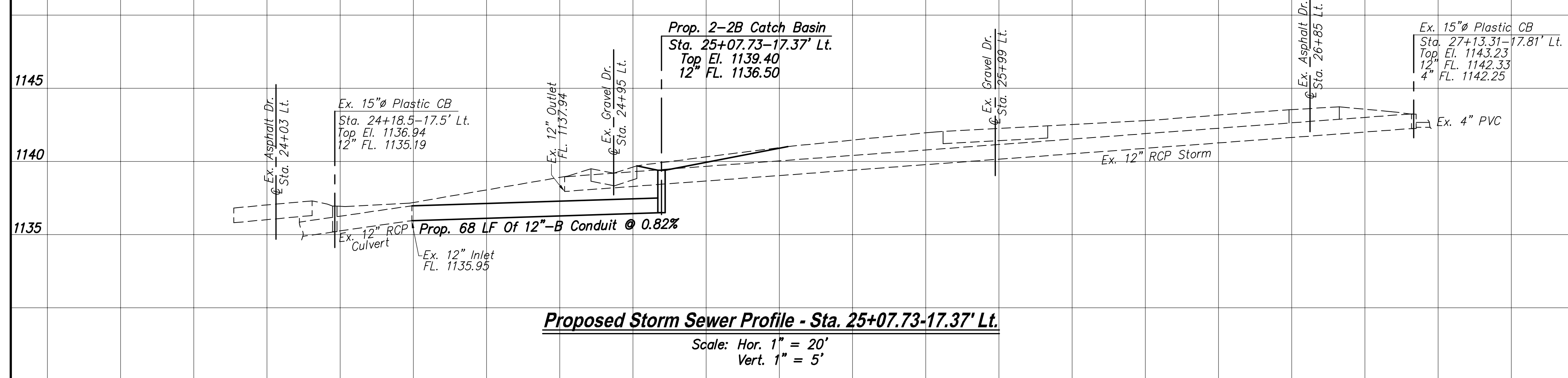
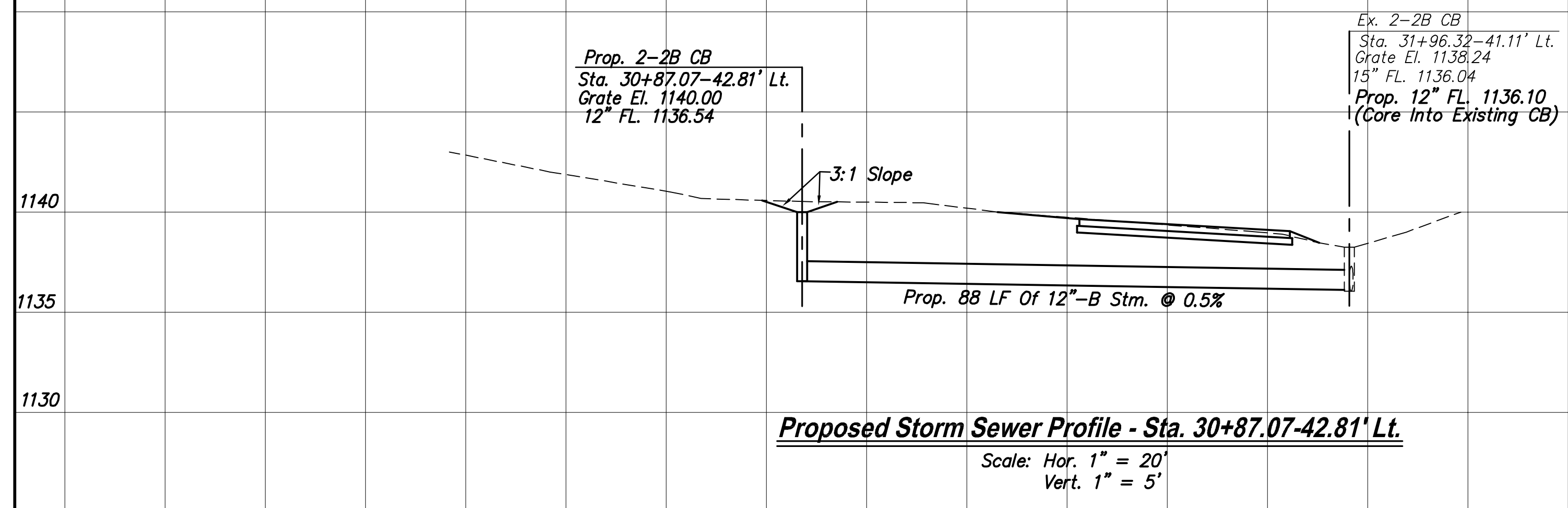
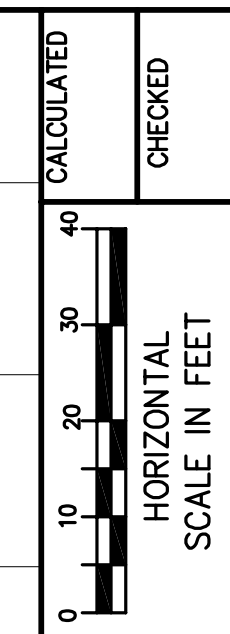
Ref. No.	Station	Northing/Easting
IP-14	31+25.45-49.97' Lt.	N 447368.9380 E 2470854.9220
IP-15	32+59.08-49.99' Lt.	N 447408.1370 E 2470929.0820
IP-16	32+73.31-49.99' Lt.	N 447419.7290 E 2470937.3410

Control Point #2 (CP-2)
 Sta. 32+79.87-26.62' Rt.
 5/8" Iron Pin Set w/
 Control Cap
 N 447380.6240
 E 2471003.5360
 Elev. 1142.41

NOTE:
Construction Limits = Centerline To Existing And Proposed North Street Right-Of-Way.

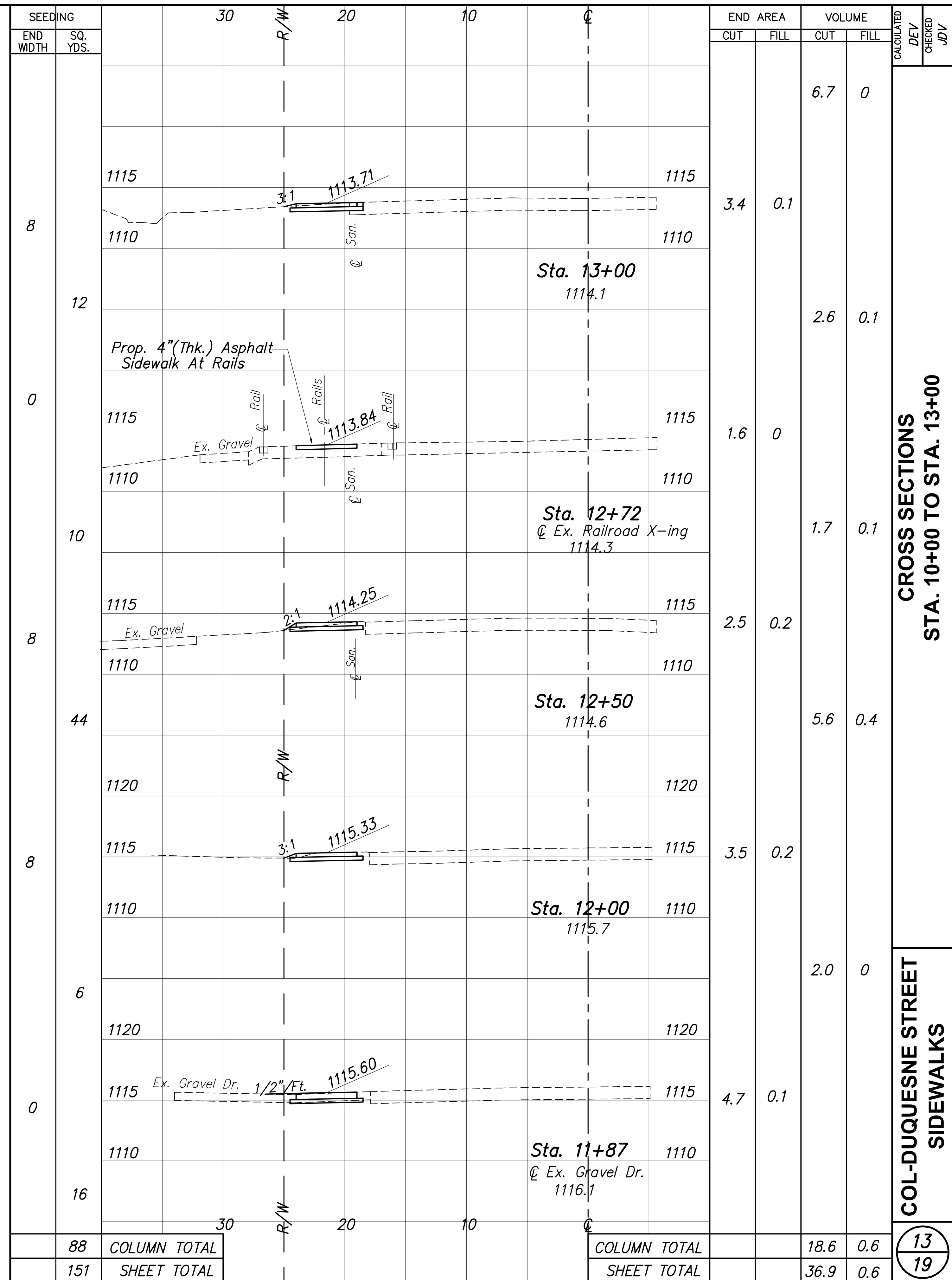
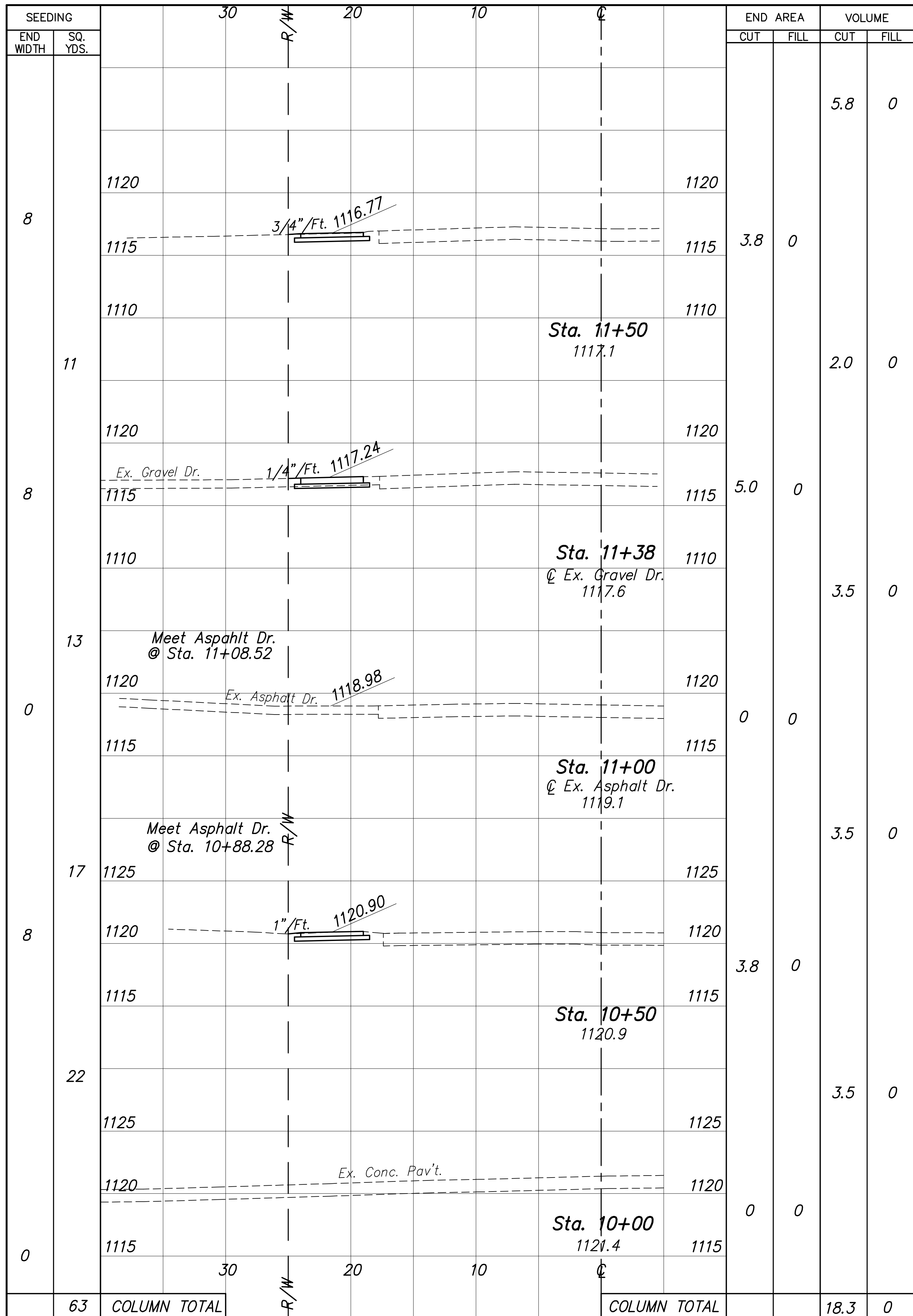


REF. NO.	STATION		SIDE	MATERIAL	QTY	UNIT	TOTAL
	FROM	TO					
SW-26	31+00	33+21.85	Lt.	4" Concrete Walk	11	903.1	903.1
SW-27	33+21.85	33+27.10	Lt.	4" Concrete Walk	0.6	38.7	38.7
SW-28	33+73.20	33+78.70	Lt.	4" Concrete Walk	0.6	41.3	41.3
SW-29	33+78.70	33+90.00	Lt.	4" Concrete Walk	0.8	56.5	56.5
D-4	31+00	31+96.32	Lt.	Subgrade Compaction	7.5	74.5	74.5
TOTALS CARRIED TO GENERAL SUMMARY							138.8
COL-DUQUESNE STREET							1039.6
SIDEWALKS							80
							74.5



STORM SEWER PROFILES

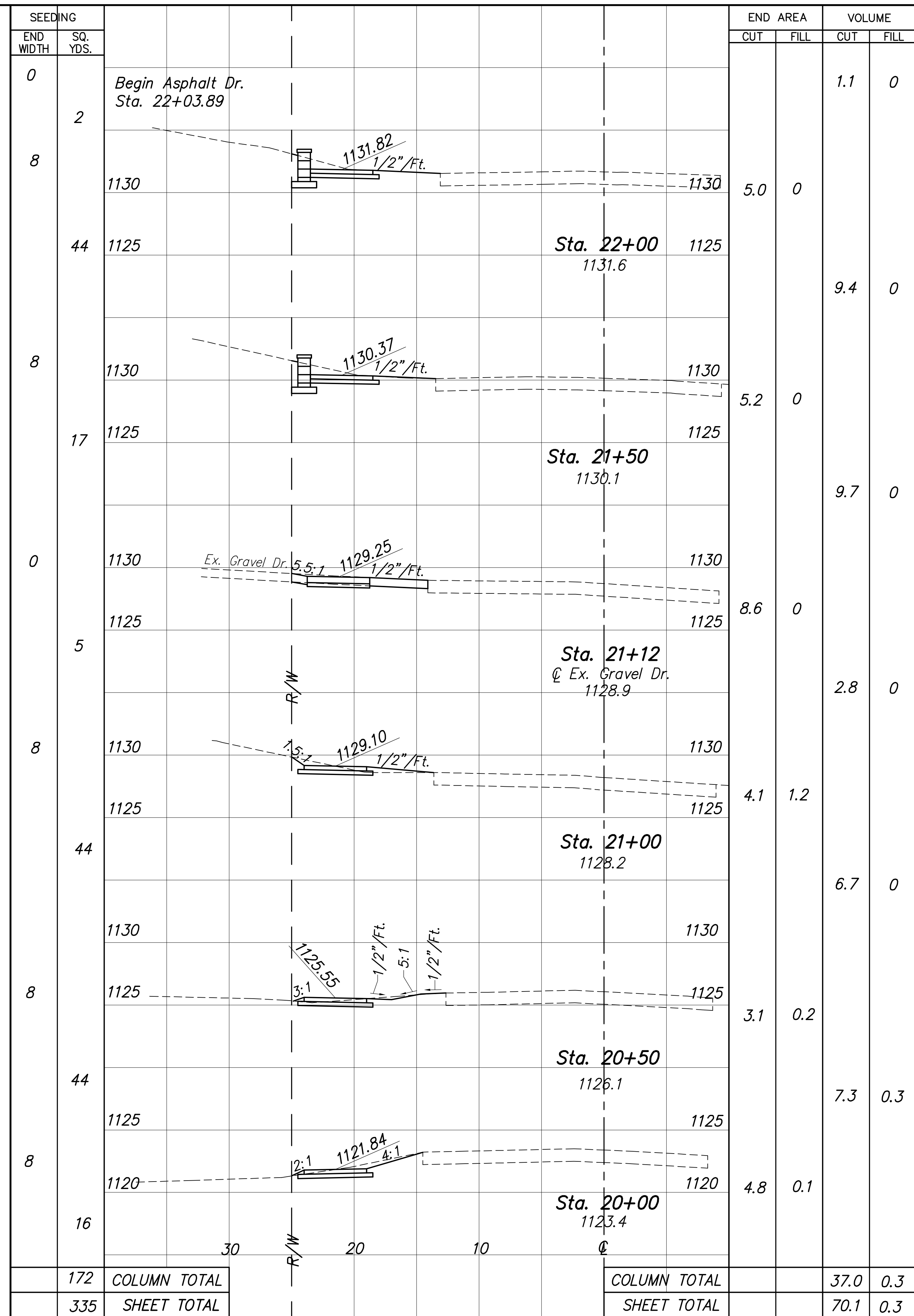
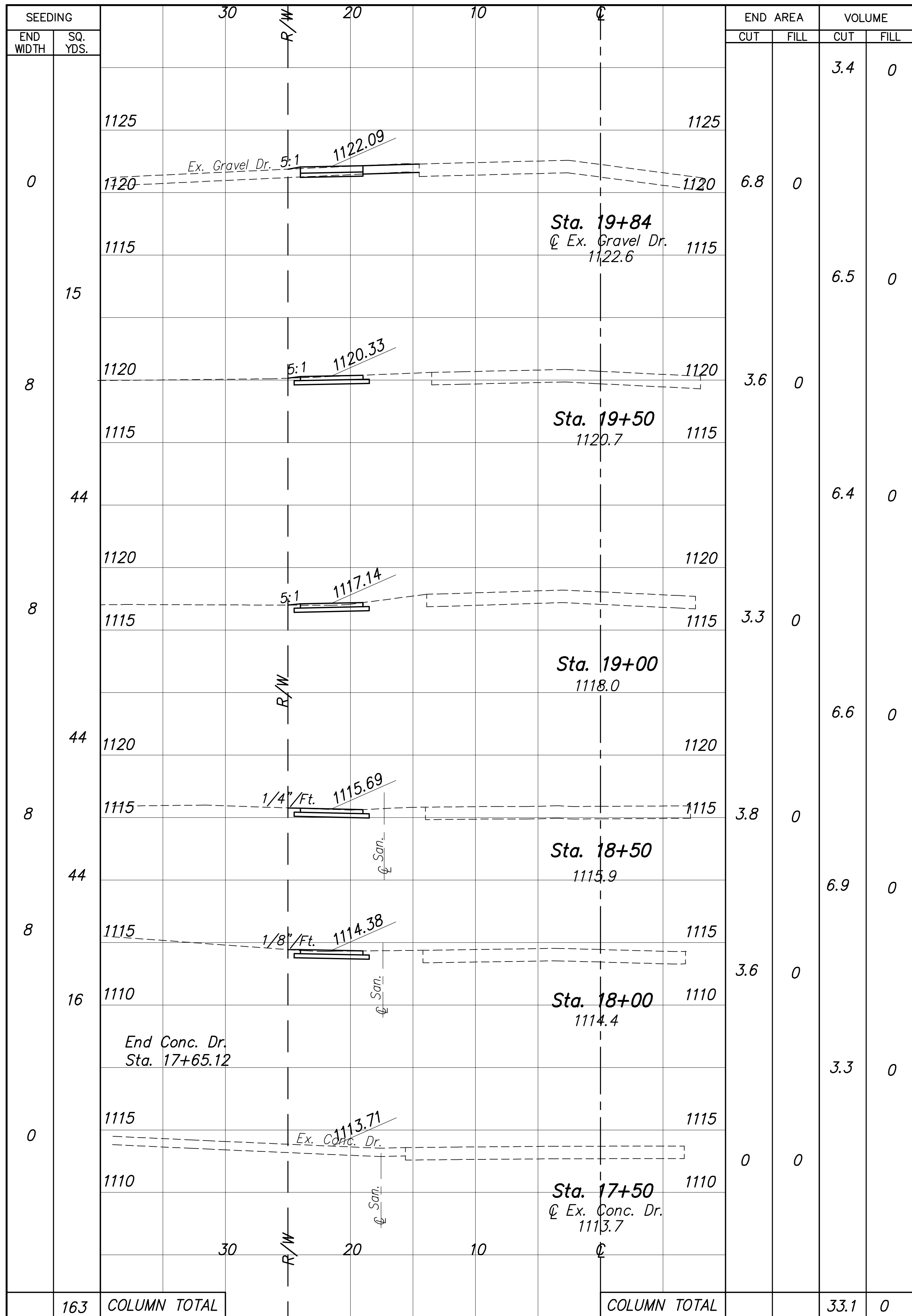
COL-DUQUESNE STREET
SIDEWALKS



CROSS SECTIONS
STA. 10+00 TO STA. 13+00

COL-DUQUESNE STREET
SIDEWALKS

13
19



CROSS SECTIONS
 STA. 17+50 TO STA 22+00
 COL-DUQUESNE STREET
 SIDEWALKS

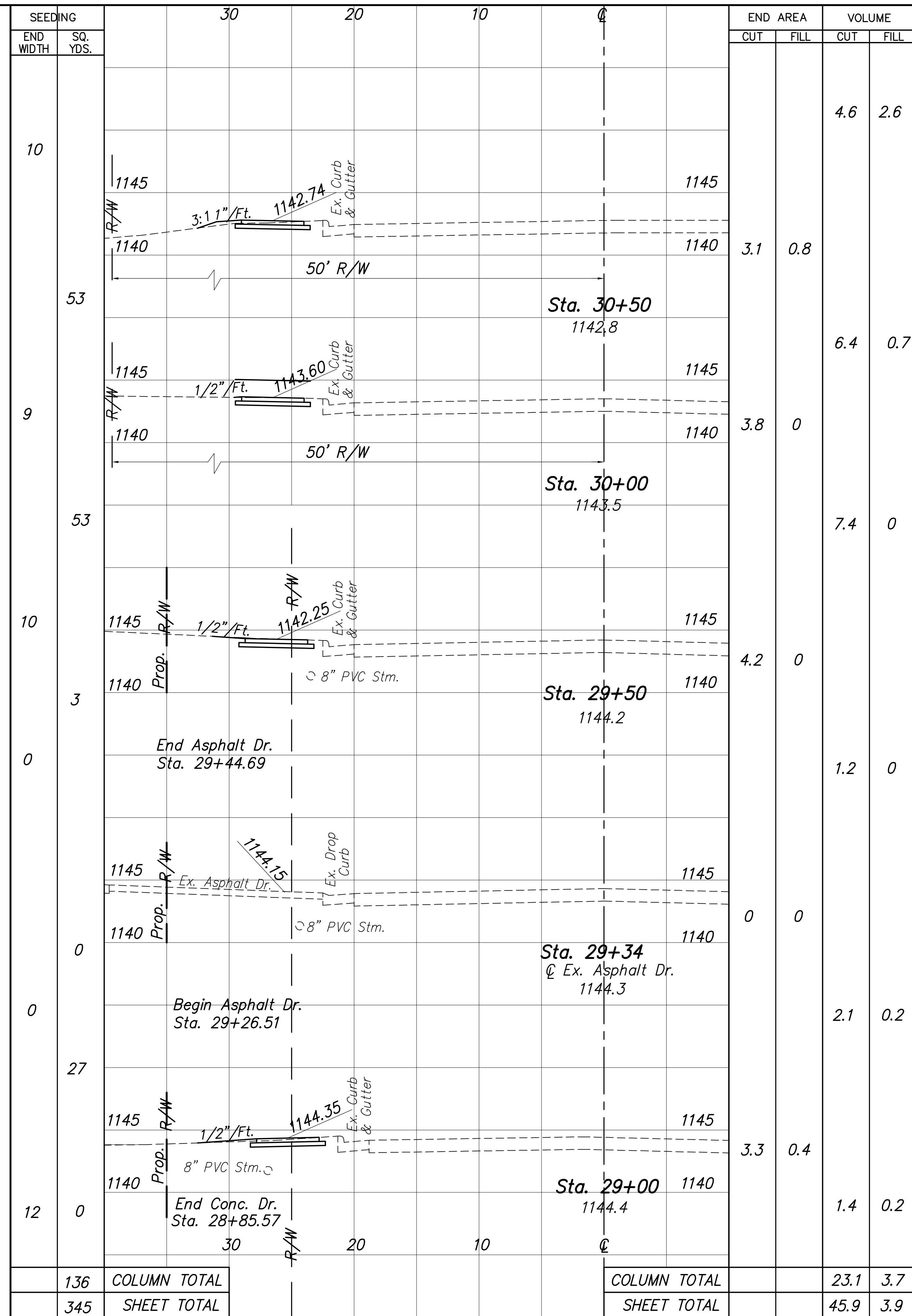
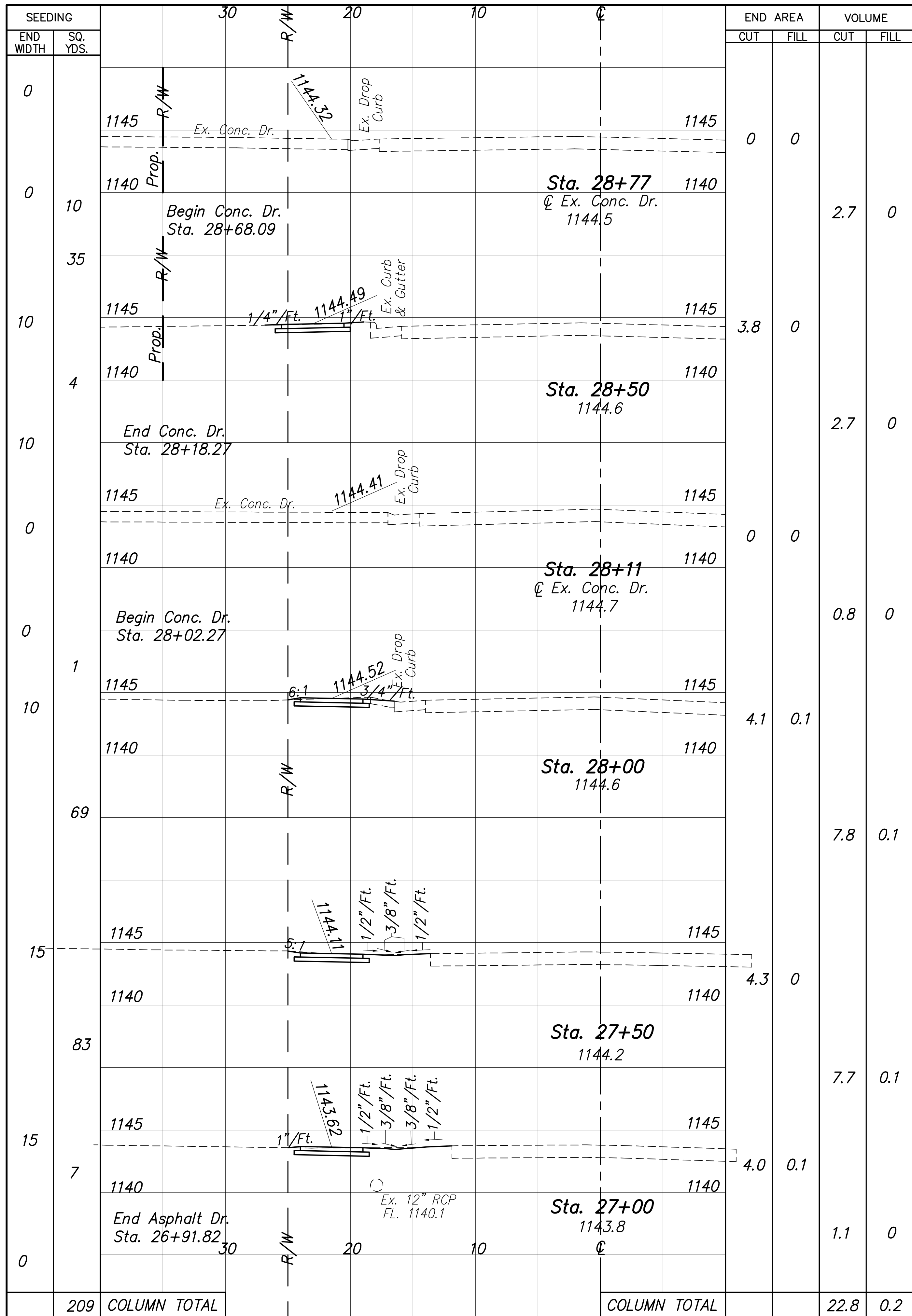
SEEDING	END WIDTH	SQ. YDS.	R/W	END AREA	VOLUME	
					CUT	FILL
0					2.7	2.7
3				0	0	
8				6.2	1.3	
37						
0				3.7	0.8	
5					1.4	0.4
8				4.0	1.0	
44					10.5	2.2
8				7.3	1.4	
17					5.1	1.0
0				0	0	
106	COLUMN TOTAL			COLUMN TOTAL	25.9	7.6

SEEDING	END WIDTH	SQ. YDS.	R/W	END AREA	VOLUME	
					CUT	FILL
0				0	0	
13				4.5	0.1	
8						
22					12.3	0.1
0				8.8	0	
22					11.4	0.1
8					3.5	0.1
24					11.9	0.1
0				8.2	0	
30					9.3	2.4
12					2.9	2.9
26						
137	COLUMN TOTAL			COLUMN TOTAL	47.8	2.8
243	SHEET TOTAL			SHEET TOTAL	73.7	10.4

CROSS SECTIONS
STA. 22+12 TO STA. 26+85

COL-DUQUESNE STREET
SIDEWALKS

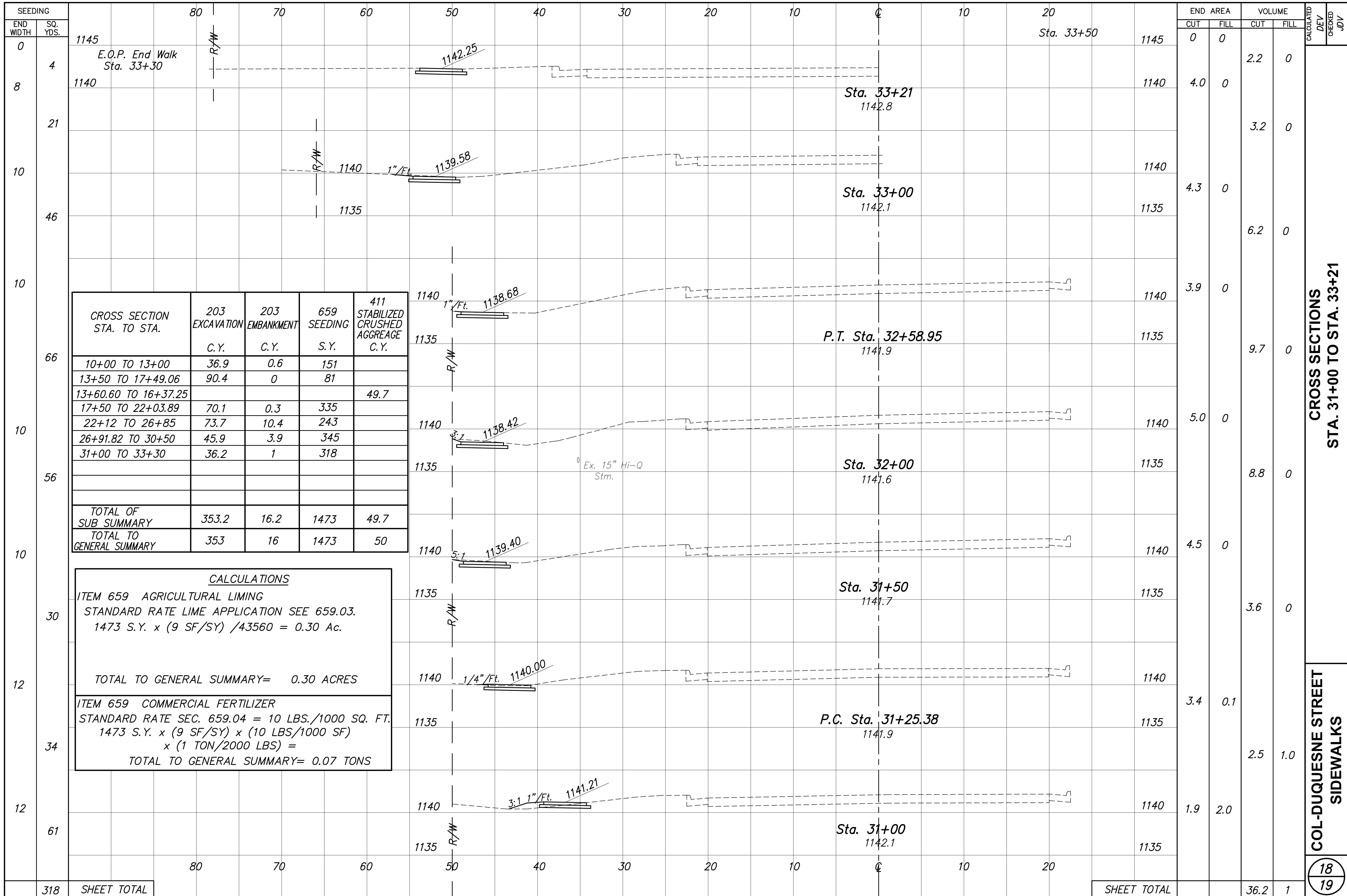
16
19



CROSS SECTIONS
STA. 27+00 TO STA. 30+50

COL-DUQUESNE STREET
SIDEWALKS

17
19



CROSS SECTION STA. TO STA.	203 EXCAVATION C.Y.	203 EMBANKMENT C.Y.	659 SEEDING S.Y.	411 STABILIZED CRUSHED AGGREGATE C.Y.
10+00 TO 13+00	36.9	0.6	151	
13+50 TO 17+49.06	90.4	0	81	
13+60.60 TO 16+37.25				49.7
17+50 TO 22+03.89	70.1	0.3	335	
22+12 TO 26+85	73.7	10.4	243	
26+91.82 TO 30+50	45.9	3.9	345	
31+00 TO 33+30	36.2	1	318	
TOTAL OF SUB SUMMARY	353.2	16.2	1473	49.7
TOTAL TO GENERAL SUMMARY	353	16	1473	50

CALCULATIONS

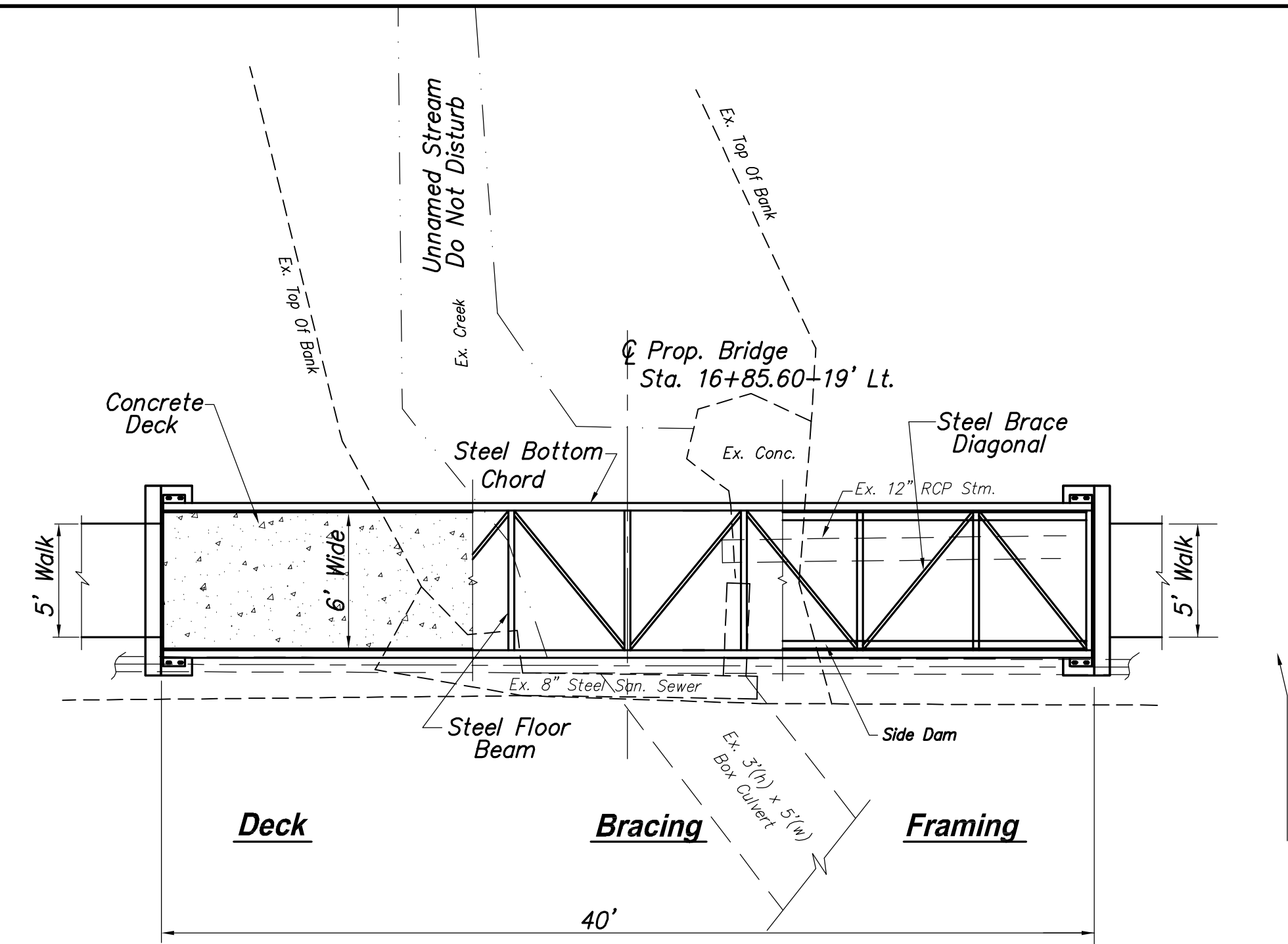
ITEM 659 AGRICULTURAL LIMING
 STANDARD RATE LIME APPLICATION SEE 659.03.
 $1473 \text{ S.Y.} \times (9 \text{ SF/SY}) / 43560 = 0.30 \text{ Ac.}$

TOTAL TO GENERAL SUMMARY= 0.30 ACRES

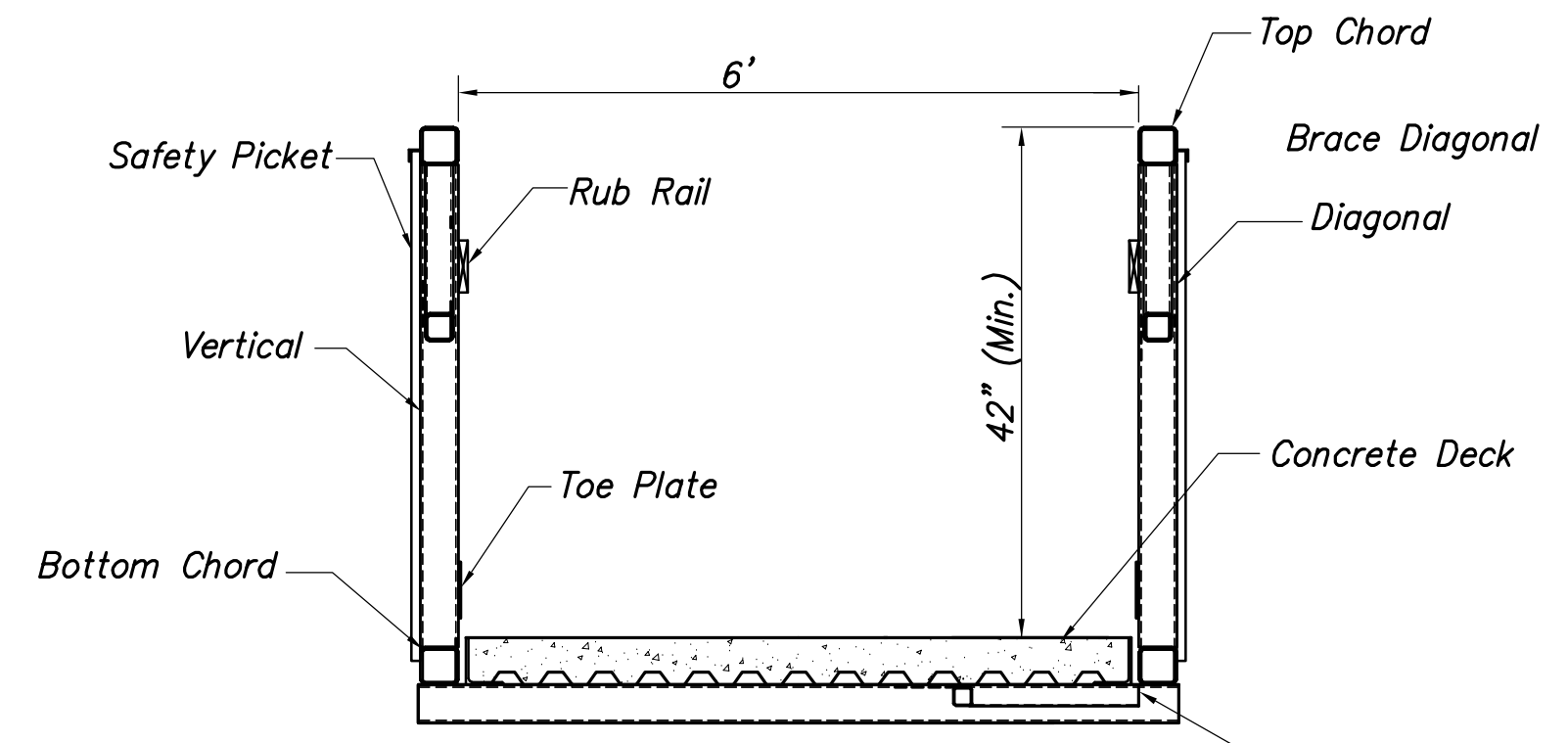
ITEM 659 COMMERCIAL FERTILIZER
 STANDARD RATE SEC. 659.04 = 10 LBS./1000 SQ. FT.
 $1473 \text{ S.Y.} \times (9 \text{ SF/SY}) \times (10 \text{ LBS}/1000 \text{ SF}) \times (1 \text{ TON}/2000 \text{ LBS}) =$
 TOTAL TO GENERAL SUMMARY= 0.07 TONS

CROSS SECTIONS
STA. 31+00 TO STA. 33+21

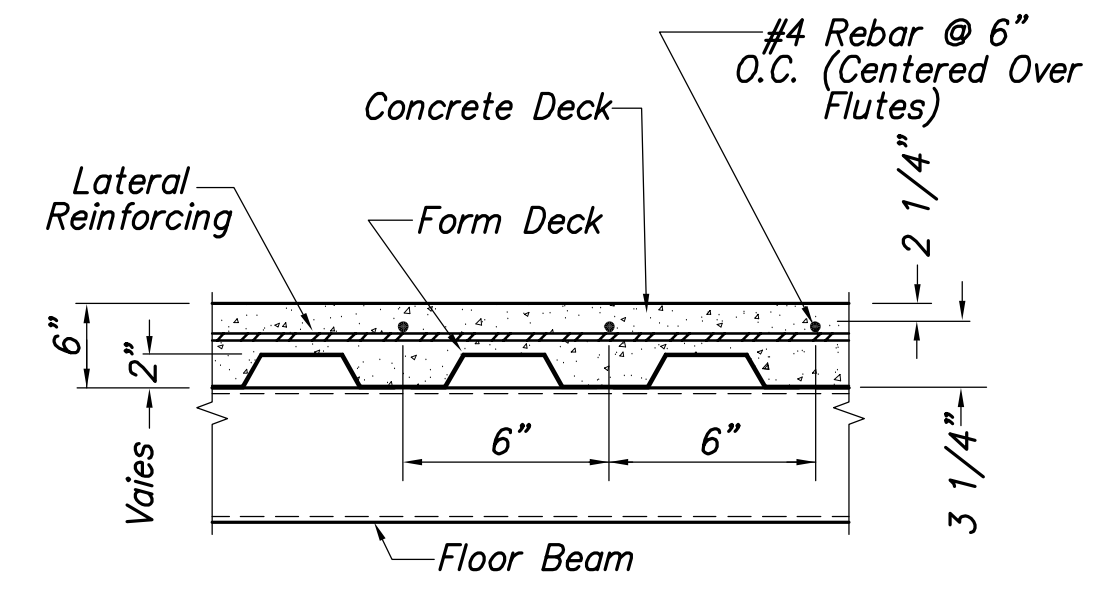
COL-DUQUESNE STREET
SIDEWALKS



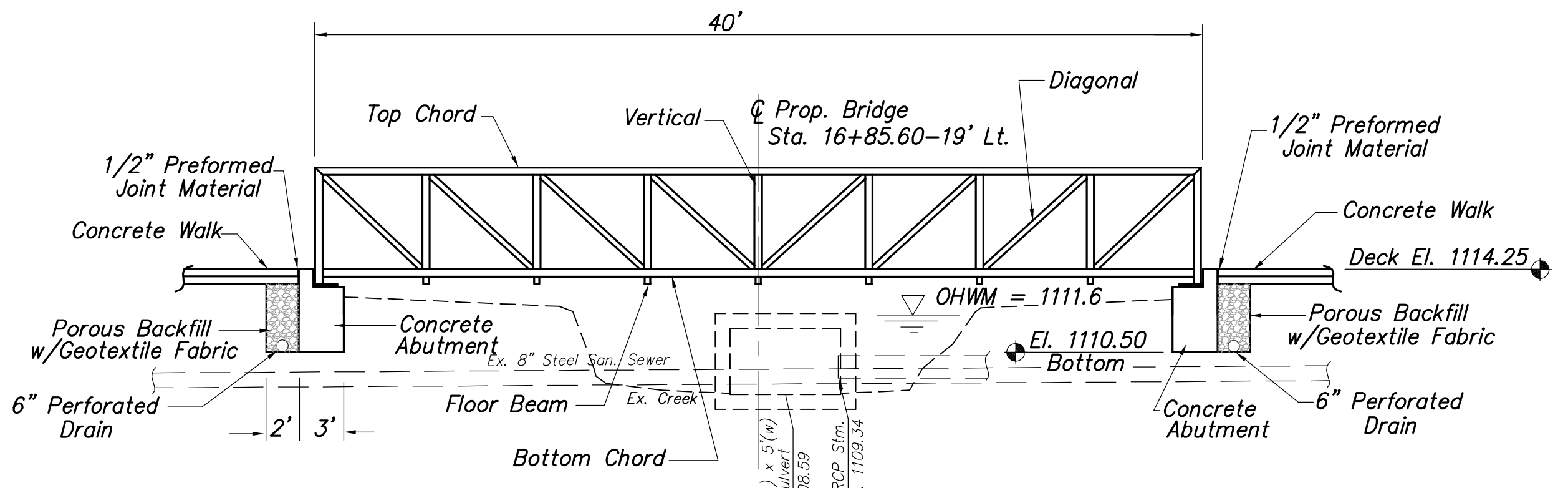
Bridge Plan
N.T.S.



Section
N.T.S.

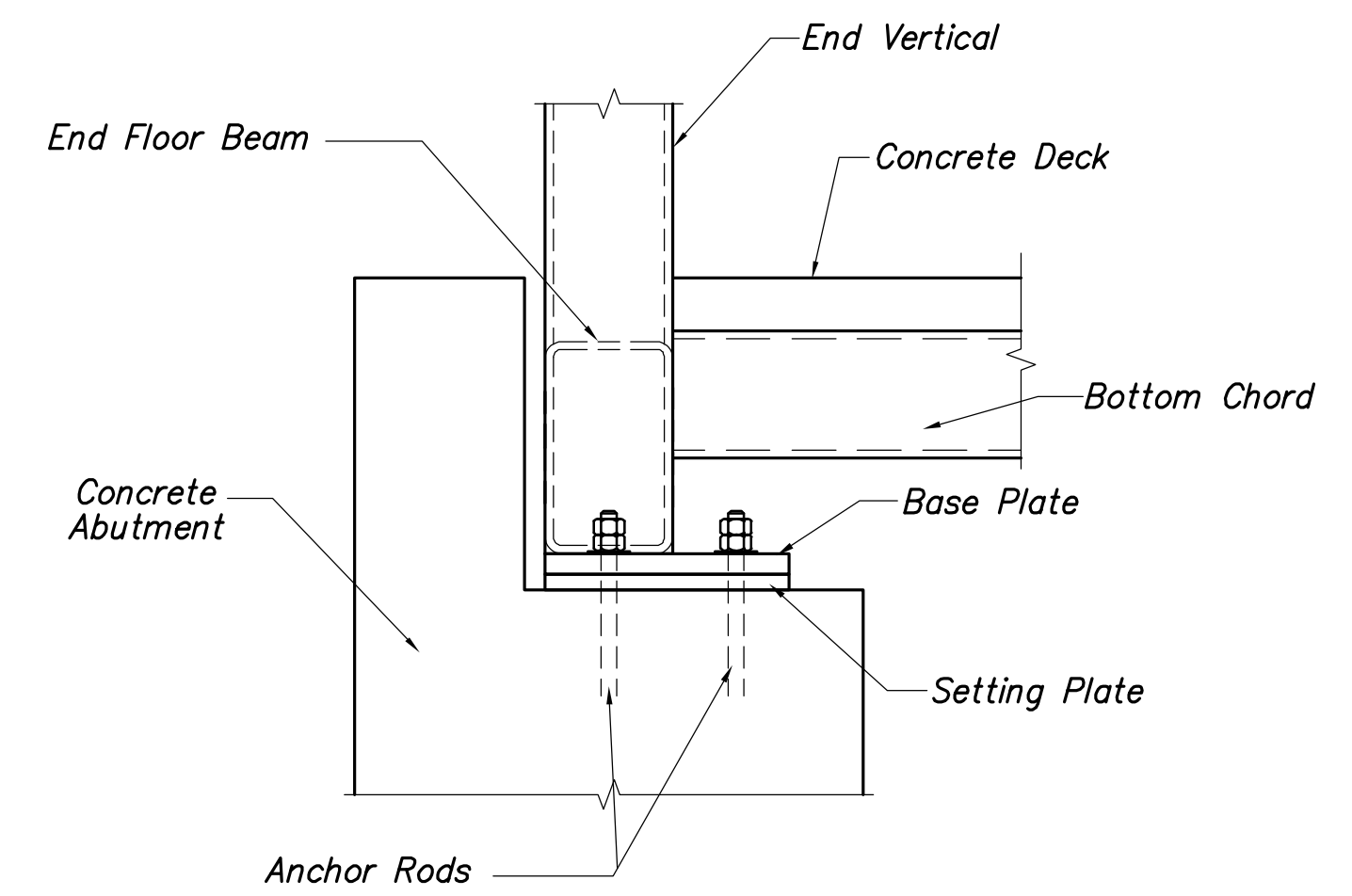


Concrete: QC 2
Grade 60 Reinforcing (fy = 60,000 PSI)
Concrete Deck Reinforcing
N.T.S.

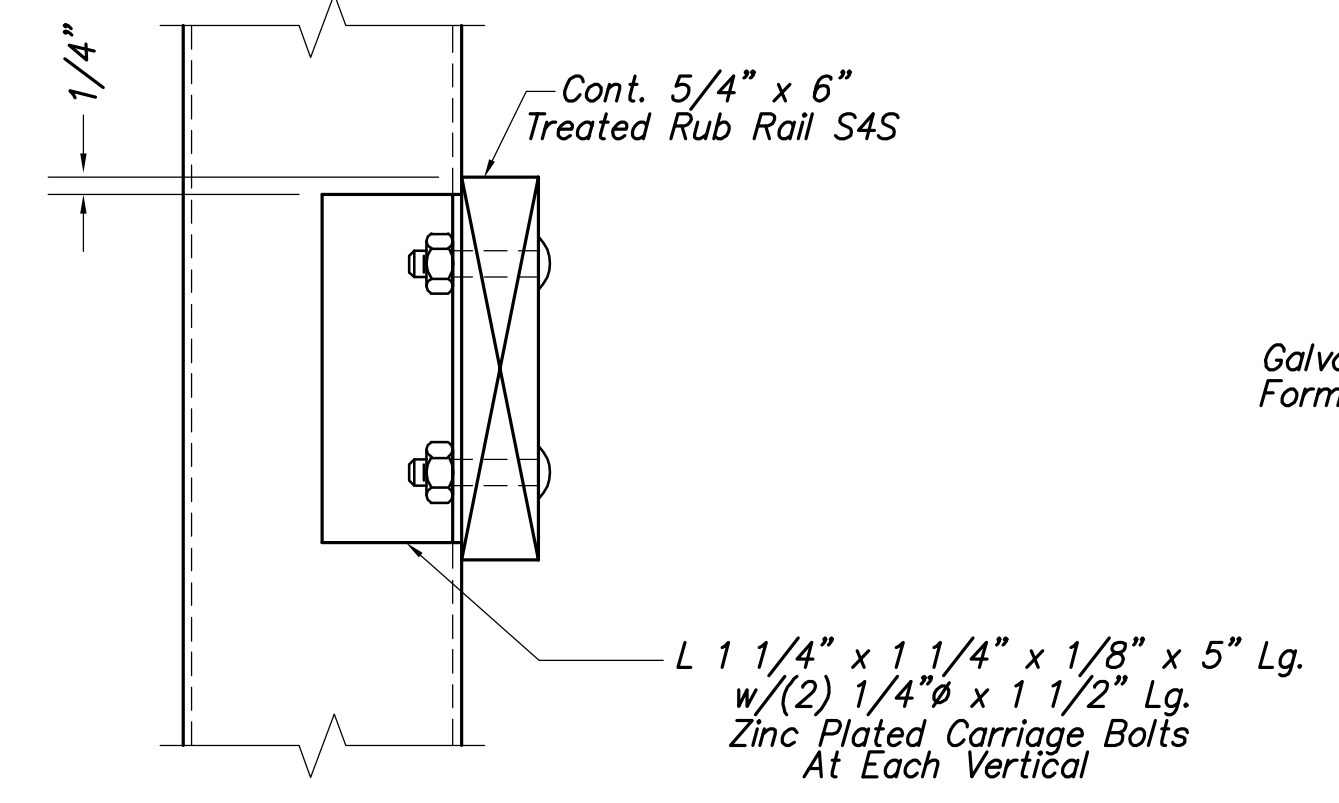


- NOTE:
- ① All Bridge Members Indicated Shall Be Structural Steel.
 - ② Safety Pickets Not Shown For Clarity.

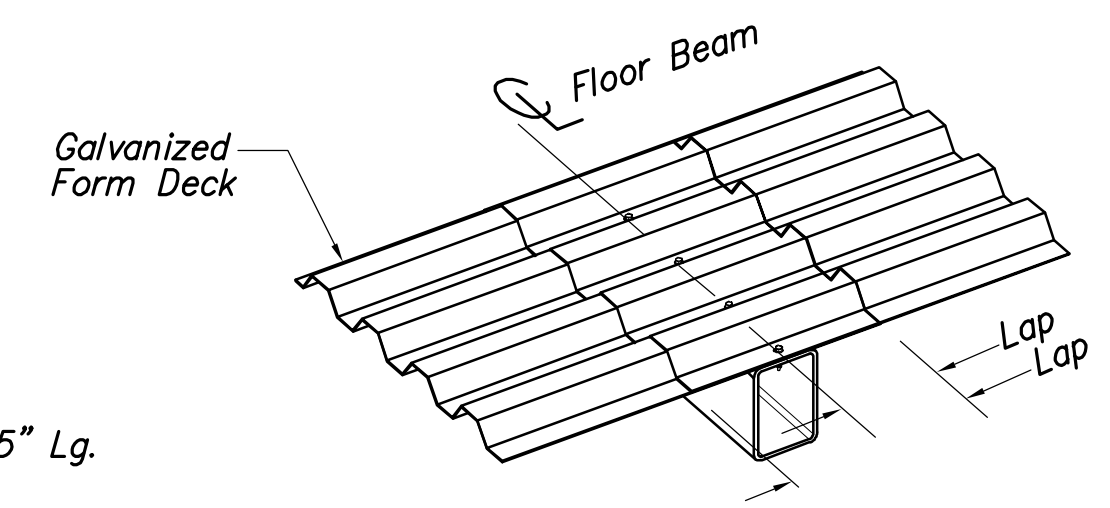
Bridge Elevation
N.T.S.



Bearing Side View
N.T.S.



Rub Rail Detail
N.T.S.



Form Deck Detail
N.T.S.

	+DOWNWARD LOAD -UPWARD LOAD		
	P (LBS)	H (LBS)	L (LBS)
DEAD LOAD ②	5,625		
UNIFORM LIVE LOAD	5,400		
VEHICLE LOAD	2,000		
WIND UPLIFT 20 PSF		-1,950	
		-650	
WIND	±2,115	3,910	
THERMAL ②			845

"P" - VERTICAL LOAD EACH BASE PLATE (4 PER BRIDGE)
 "H" - HORIZONTAL LOAD EACH FOOTING (2 PER BRIDGE)
 "L" - LONGITUDINAL LOAD EACH BASE PLATE (4 PER BRIDGE)

- ① BRIDGE LIFTING WEIGHT: 7,900 LBS
- ② BRIDGE FINAL WEIGHT: 22,500 LBS
 - ① DOES NOT INCLUDE WEIGHT OF CONCRETE DECK
 - ② INCLUDES WEIGHT OF CONCRETE DECK

General Notes:

1. Design Stresses Are In Accordance With "Standard Specification For Highway Bridges" & "Guide Specifications For Design Of Pedestrian Bridges" By The American Association Of State Highway And Transportation Officials (AASHTO), 2009.
2. Bridge Members Are Fabricated From High Strength, Low Alloy, Enhanced Atmosphere Corrosion Resistant ASTM A847 Cold-Formed Welded Square And Rectangular Tubing, And ASTM A588, ASTM A606, Or ASTM A242 Plate And Structural Shapes (Fy = 50,000 PSI).
3. Concrete Deck: Galvanized Form Deck, Concrete, Reinforcing And Expansion Material, Supplied By Manufacturer.
4. The Gas Metal Arc Welding Process Or Flux Cored Arc Welding Process Will Be Used. Welding To Be In Accordance With AWS D1.1
5. All Top And Bottom Chord Shop Splices To Be Complete Penetration Type Welds. Weld Between Top Chord And End Vertical Shall Be Detailed.
6. Unless Otherwise Noted, Welded Connections Shall Be Fillet Welds (Or Have An Effective Throat Of A Fillet Weld) Of A Size Equal To The thickness Of The Lightest Gage Member In The Connection. Welds Shall Be Applied As Follows:
 - A. Both Ends Of Verticals, Diagonals, And Floor Beams Shall Welded All Around.
 - B. Brace Diagonals Will Be Welded All Around.
 - C. Miscellaneous Non-Structural Members Will Be Stitch Welded To Their Supporting Members.
7. Bridge Design Based On Combinations Of The Following Loads Which Shall Produce Maximum Critical Member Stresses.
 - A. 90 PSF Uniform Live Loading On The Full Deck Area Or One 2,000 Lb. Vehicle Load. The Load Shall Be Equally Distributed As A Four-Wheel Vehicle. The Wheel Track Width Of The Vehicle Shall Be 2'-8" And The Wheel Base Shall Be 4'-0". The Vehicle Shall Be Positioned So As To Produce The Maximum Stresses In Each Member, Including Decking.
 - B. 35 PSF Wind Load On The Full Height Of The Bridge, As If Enclosed.
 - C. 20 PSF Upward Force Applied At The Windward Quarter Point Of The Transverse Bridge Width (AASHTO 3.8.2).
8. Cleaning: All Exposed Surfaces Of Steel Shall Be Cleaned In Accordance With Steel Structures Painting Council Surfaces Preparation Specifications No. 7 Brush-Off Blast Cleaning. SSPC-SP7-Latest Edition.
9. Minimum Material Thickness Of 1/4" On All Structural Members.
10. All Steel Members Shall Be Prepared And Painted In Accordance With ODOT Item 514, Include With Bridge Item For Payment.
11. Contractor Shall Provide Plan And Details For Bridge And Bridge Foundations As Per Specifications, Signed & Sealed By An Ohio Registered Professional Engineer.
12. All Excavation And Structure Work, Except Porous Backfill And Perforated Drains, To Be Paid For Under Item Special, Structures: Pedestrian Bridge.

Bridge Summary:
 Connector Pedestrian Bridge 40' Span x 6' Width
 Deck Type - Concrete
 Bridge Finish - Painted Clay Tan
 Assume Soil Bearing Capacity Of 1500 PSF

Pedestrian Bridge:
 Contractor Shall Provide A Pre-Engineered Pre-Fabricated Pedestrian Bridge Structure Designed And Certified By An Ohio Registered Professional Engineer. Design Shall Be In Accordance With Plan Dimensions And Contract Specification And The AASHTO LRFD Bridge Design Specifications, 9th Edition.

- Bridge Shall Meet The Following Parameters:
- Be Of Truss Design
 - Utilize Painted Structural Steel
 - Utilize Concrete Deck
 - Utilize Concrete Abutments With Epoxy Reinforcement
 - Use A Pedestrian Live Load Of 90 Pounds Per Square Foot
 - Use A Wind Load Of 35 Pounds Per Square Foot On The Full Projected Vertical Area Of The Bridge, As If Enclosed.
 - 20 Pounds Per Square Foot Upward Force Applied At The Windward Quarter Point Of The Transverse Bridge Width (AASHTO 3.8.2)