

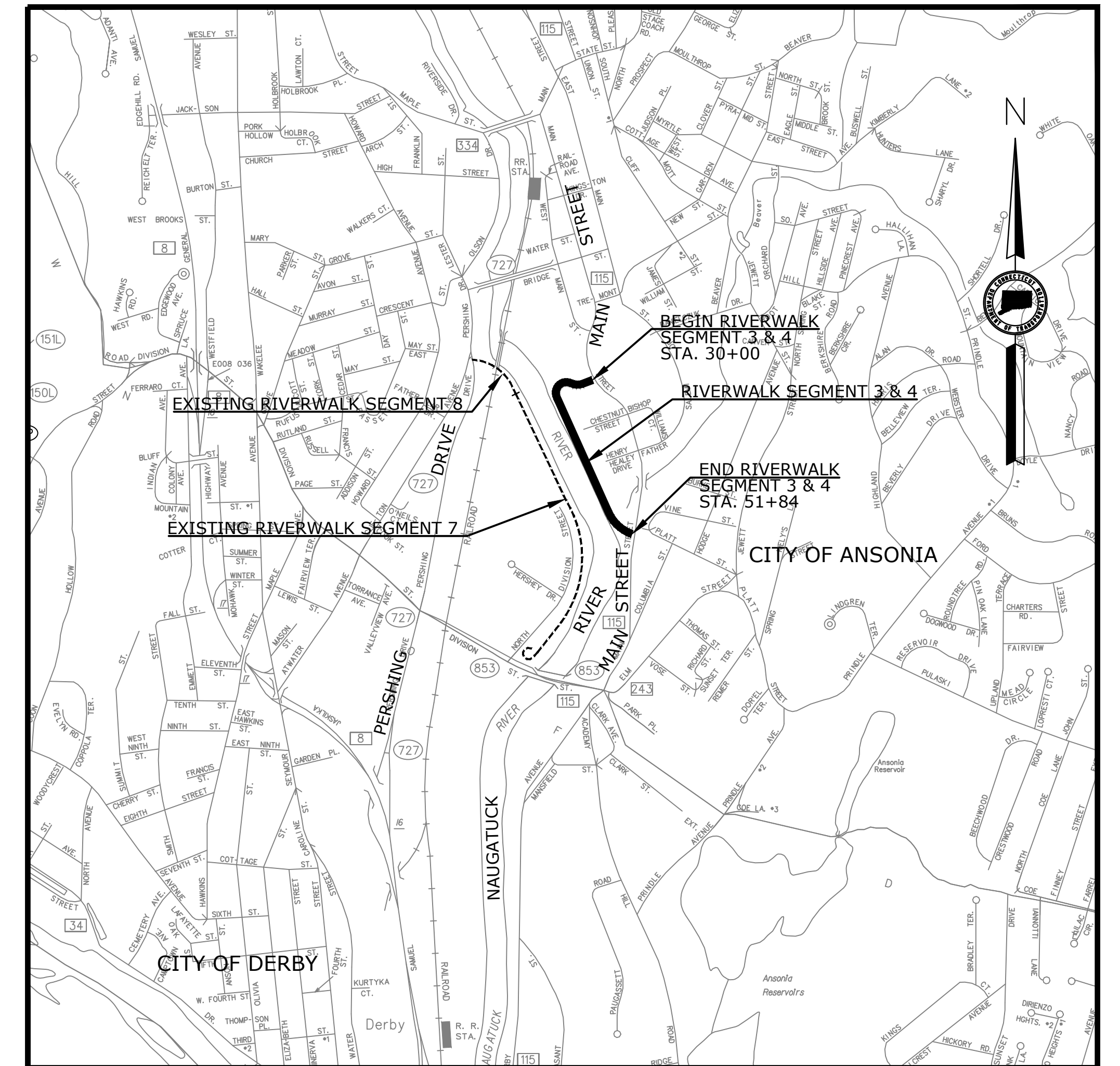
CITY OF ANSONIA

Plans For
**CONSTRUCTION OF
 ANSONIA RIVERWALK - SEGMENTS 3 & 4**

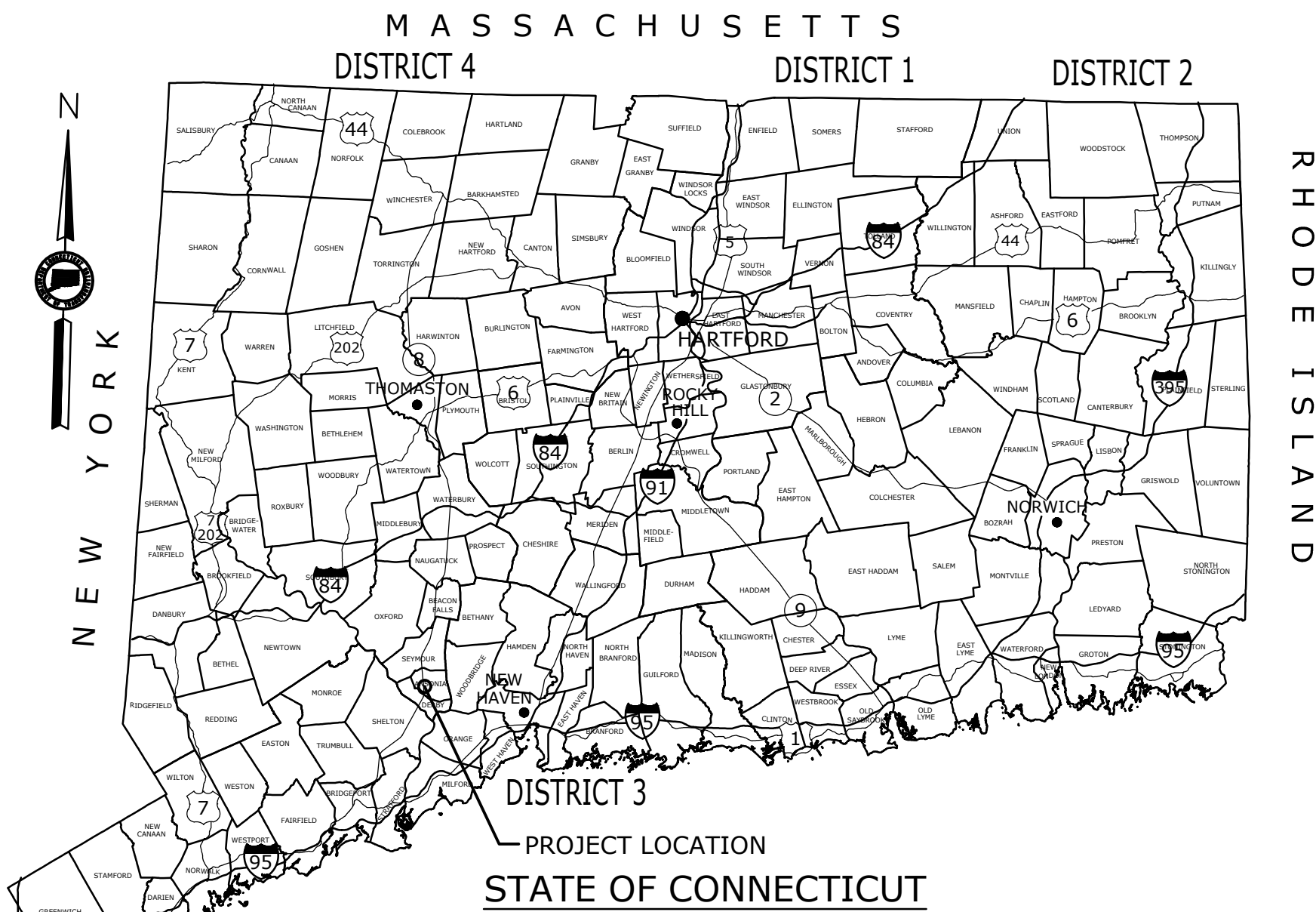
City of
ANSONIA
 DAVID S. CASSETTI, MAYOR



ROAD	MAINTENANCE RESPONSIBILITY	LENGTH
RIVERWALK SEGMENTS 3 & 4	CITY OF ANSONIA	2489 FT.
F.A.P. #	PROJECT #	
CN: PEDS (214)	02-128	



LOCATION PLAN
 NOT TO SCALE



GENERAL NOTES:

- FEDERAL AID PROJECT NO. CN: PEDS (214)
- CONSTRUCTION SPECIFICATIONS: Connecticut Department of Transportation, Standard Specifications for Roads, Bridges and Incidental Construction, Form 817, dated 2016; Supplemental Specifications, dated July 2019; and Special Provisions
- 400 FOOT GRID BASED ON CONNECTICUT COORDINATE SYSTEM N.A.D. 1983
- VERTICAL DATUM BASED ON NGVD 1988
- HORIZONTAL ACCURACY A-2
- VERTICAL ACCURACY T-2 (GROUND SURVEY) T-3 AERIAL MAPPING
- PROPERTY AND RIGHT-OF-WAY LINES ACCURACY CLASS "D"

DISCLAIMER

IT IS THE RESPONSIBILITY OF EACH BIDDER AND ALL OTHER INTERESTED PARTIES TO OBTAIN ALL BIDDING RELATED INFORMATION AND DOCUMENTS FROM OFFICIAL SOURCES WITHIN THE CITY OF ANSONIA.

PERSONS AND/OR ENTITIES WHICH REPRODUCE AND/OR MAKE SUCH INFORMATION AVAILABLE BY ANY MEANS ARE NOT AUTHORIZED BY THE CITY OF ANSONIA TO DO SO AND MAY BE LIABLE FOR CLAIMS RESULTING FROM THE DISSEMINATION OF UNOFFICIAL, INCOMPLETE AND/OR INACCURATE INFORMATION.

LIST OF SUBSETS		
SUBSET NO.	SUBSET TITLE	*SUBSET SHEET COUNT
01	GENERAL	3
02	REVISIONS	1
03	HIGHWAY	26
04	TRAFFIC	6
05	ANSONIA FLOOD LEVEL REFERENCE DRAWINGS (FIO)	10
	CTDOT HIGHWAY STANDARD SHEETS	8
	CTDOT TRAFFIC STANDARD SHEETS	4

*THE INITIAL SUBSET SHEET COUNT DOES NOT INCLUDE ADDENDUMS AND CHANGE ORDERS

LIST OF DRAWINGS SUBSET 01 - GENERAL	
DRAWING TITLE	DRAWING NO.
TITLE SHEET	G-1
DETAILED ESTIMATE SHEET	EST-1
DETAILED ESTIMATE SHEET	EST-2

JUNE 2020
 REVISED JULY 17, 2020 PER CT DEEP

STANDARD CONVENTIONS			
North Arrow W/No. Coor.	Grid Arrow	Chain Link Fence	Riprap
Edge Of Road	Limit Of Marsh	Rustic Fence	Hedge Row
Concrete Pavement	Stone Wall	Pipe Fence	Tree Line
Dirt Road	Ledge Outcrop	Split Rail Fence	Shrub
B.C.L.C.	Inland Wetland Limits	Board Fence	Evergreen Tree
Granite Curb	STATE LINE	Water Edge	Deciduous Tree
Guide Rail	Power Line	Stream	Retaining Wall
Concrete Median Barrier	Swamp	Ditch	Highway Line
Bit. Walk	Building	TOWN LINE	Street Line
Conc. Sidewalk	Railroad Tracks	Transmission Tower	Property Line
			Lot Line
			Easement Line

THE DESIGN APPEARS TO CONFORM TO APPLICABLE CRITERIA. APPROVAL IS NOT TO BE CONSTRUED TO MEAN THAT ALL ASPECTS OF THE DESIGN HAVE BEEN PERSONALLY CHECKED BY THE UNDERSIGNED.

DESIGNED BY:

DeCarlo & Dol, Inc.
 Professional Engineering & Land Surveying
 89 Colony Street
 Meriden, Connecticut 06451
 (203) 379-0467
 (203) 379-0278 fax

Plans For

**CONSTRUCTION OF
 ANSONIA RIVERWALK - SEGMENT 3 & 4**

City of
ANSONIA



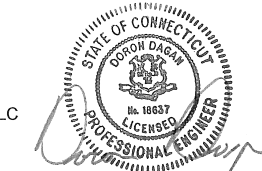
PROJECT NO. **02-128**

DRAWING NO. **G-1**
 SHEET NO. **01.01**

ITEM NUMBER	MISCELLANEOUS ITEMS																																																
	ENVIRONMENTAL HEALTH AND SAFETY	CONTROLLED MATERIALS HANDLING	SECURING, CONSTRUCTION AND DISMANTLING OF A WASTE STOCKPILE AREA	CLEARING AND GRUBBING	REMOVAL OF EXISTING FENCE	EARTH EXCAVATION	DISPOSAL OF CONTROLLED MATERIALS	CUT CONCRETE PAVEMENT	CUT BITUMINOUS CONCRETE PAVEMENT	BORROW	COMPACTED IMPERVIOUS FILL	FORMATION OF SUBGRADE	ANTI-TRACKING PAD	SUBBASE	COMPACTED GRANULAR FILL	PERVIOUS STRUCTURE BACKFILL	SEDIMENTATION CONTROL SYSTEM	STORM WATER POLLUTION CONTROLS	SEDIMENTATION CONTROL SYSTEM AT CATCH BASIN	PROCESSED AGGREGATE BASE	HMA S1	HMA S0.5	HMA S0.375	MATERIAL FOR TACK COAT	CLASS "C" CONCRETE	ORNAMENT MOLDS	EMBANKMENT WALL (SITE NO. 1)	DEFORMED STEEL BARS EPOXY COATED	MODIFIED RIPRAP	ROUNDED STONE RIPRAP	GEOTEXTILE (SEPARATION-HIGH SURVIVABILITY)	CONCRETE CURBING	CONCRETE PARK CURBING	BITUMINOUS CONCRETE LIP CURBING	BOLLARD	SPLIT RAIL FENCE	R-B TERMINAL SECTION	REMOVE METAL BEAM RAIL	8' POLYVINYL CHAIN LINK FENCE	10' CHAIN LINK DOUBLE GATE 8' HIGH	12' CHAIN LINK DOUBLE GATE 6' HIGH	4' CHAIN LINK GATE 5' HIGH	ORNAMENTAL METAL FENCE	TREE PROTECTION	CONCRETE SIDEWALK	CONCRETE SIDEWALK RAMP	STONEDUST PATHWAY		
UNIT	LS	C.Y.	LS	LS	L.F.	C.Y.	TON	L.F.	L.F.	C.Y.	C.Y.	S.Y.	S.Y.	C.Y.	C.Y.	C.Y.	L.F.	LS	EA.	C.Y.	TON	TON	TON	GAL.	C.Y.	LS	LS	LBS	C.Y.	C.Y.	S.Y.	L.F.	L.F.	L.F.	EA.	L.F.	EA.	L.F.	L.F.	EA.	EA.	EA.	EA.	EA.	L.F.	LS	S.F.	S.F.	S.F.
SEGMENTS 3 AND 4	LS	120	LS	LS	400	1404	150	30	115	2546	586	3180	139	78	28	25	4120	LS	10	534	6	3	457	265	34	LS	LS	2200	320	35	400	88	20	69	2	4301	2	56	68	1	1	1	36	LS	302	65	9602		
SUBTOTAL	LS	120	LS	LS	400	1404	150	30	115	2546	586	3180	139	78	28	25	4120	LS	10	534	6	3	457	265	34	LS	LS	2200	320	35	400	88	20	69	2	4301	2	56	68	1	1	1	36	LS	302	65	9602		
UNASSIGNED	-	20	-	-	-	96	-	-	5	54	64	120	11	8	12	5	80	-	-	76	4	2	23	15	6	-	-	50	20	15	-	7	5	6	-	99	-	-	2	-	-	-	4	-	48	-	98		
TOTAL	LS	140	LS	LS	400	1500	150	30	120	2600	650	3300	150	85	40	30	4200	LS	10	610	10	5	480	280	40	LS	LS	2250	340	50	400	105	25	75	2	4400	2	56	70	1	1	1	40	LS	350	65	9700		

P = FEDERAL AID PARTICIPATING
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<table border="1"> <tr> <th>REV.</th> <th>DATE</th> <th>REVISION DESCRIPTION</th> <th>SHEET NO.</th> <th>DATE PLOTTED: 6/11/2020</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	REV.	DATE	REVISION DESCRIPTION	SHEET NO.	DATE PLOTTED: 6/11/2020						THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.	DESIGNER/DRAFTER: E. Kerr CHECKED BY: D. Dagan SCALE AS NOTED	 DeCarlo & Doll, Inc. Professional Engineering & Land Surveying 89 Colony Street Meriden, Connecticut 06451 (203) 379-0467 (203) 379-0276 fax	 Tate & Associates, LLC Landscape Architecture Environmental Site Planning Urban Design 10 Saco Hill Road Fairfield, Connecticut 06424 (203) 255-9011 (203) 255-9022 fax	SIGNATURE/ BLOCK:  DESIGNED BY: LUCHS CONSULTING ENGINEERS, LLC 89 COLONY STREET MERIDEN, CT 06451	PROJECT TITLE: CONSTRUCTION OF ANSONIA RIVERWALK - SEGMENTS 3 & 4 PREPARED FOR THE CITY OF ANSONIA	TOWN: ANSONIA DRAWING TITLE: DETAILED ESTIMATE SHEET	PROJECT NO.: 02-128 DRAWING NO.: EST-1 SHEET NO.: 01.02
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	DATE PLOTTED: 6/11/2020														

ITEM NUMBER	MISCELLANEOUS ITEMS																															
	0921039	0939001	0943001	0944000	0945005A	0946001	0947207A	0949356	0950005A	0950013A	0950035A	0969000A	0970007	0971001A	0974000	0975004	0976002	0977001	0978002	0979003	0980001A	0992000A	0992001A	0992132A	1003596A	1003612A	1206023A	1208931	1209114	1209129	1220027	1507000A
ITEM	DETECTABLE WARNING STRIP	SWEEPING FOR DUST CONTROL	WATER FOR DUST CONTROL	FURNISHING AND PLACING TOPSOIL	WILD FLOWER ESTABLISHMENT	LIMING	BICYCLE STAND	PRUNUS SERRULATA KWANZAN CHERRY, 2.5'-3" CAL., B.B.	TURF ESTABLISHMENT	EROSION CONTROL MATTING	REMOVE AND RESET IRRIGATION SYSTEM	CONSTRUCTION FIELD OFFICE, SMALL	TRAFFICPERSON (UNIFORMED FLAGGER)	MAINTENANCE AND PROTECTION OF TRAFFIC	REMOVAL OF EXISTING MASONRY	MOBILIZATION AND PROJECT CLOSEOUT	BARRICADE WARNING LIGHTS-HIGH INTENSITY	TRAFFIC CONE	TRAFFIC DRUM	CONSTRUCTION BARRICADE-TYPE III	CONSTRUCTION STAKING	BENCH	REST SHELTER	ORNAMENTAL MEDALLIONS	DECORATIVE POLE	ORNAMENTAL ACCESSORY BANNER ARMS	REMOVAL AND RELOCATION OF EXISTING SIGNS	SIGN FACE- SHEET ALUMINUM (TYPE IX RETRO REFLECTIVE)	HOT APPLIED PAINTED PAVEMENT MARKINGS 4" YELLOW	HOT APPLIED PAINTED PAVEMENT MARKINGS 12" WHITE	CONSTRUCTION SIGNS	PROTECTION AND SUPPORT OF EXISTING UTILITIES
UNIT	EA.	HR	M.GAL	S.Y.	LBS	TON	EA.	EA.	S.Y.	S.Y.	LS	MO.	HR	LS	C.F.	LS	DAY	EA.	EA.	EA.	LS	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.
SEGMENTS 3 AND 4	1	10	188	4102	3.2	1	2	2	3700	4102	LS	5	80	LS	84	LS	70	30	14	4	LS	6	2	2	2	2	LS	31	81	15	143	LS
SUBTOTAL	1	10	188	4102	3.2	1	2	2	3700	4102	LS	5	80	LS	84	LS	70	30	14	4	LS	6	2	2	2	LS	31	81	15	143	LS	
UNASSIGNED	-	-	7	98	0.8	-	-	-	100	98	-	-	10	-	-	-	10	5	2	2	-	-	-	-	-	-	-	19	5	17	-	
TOTAL	1	10	195	4200	4	1	2	2	3800	4200	LS	5	90	LS	84	LS	80	35	16	6	LS	6	2	2	2	LS	31	100	20	160	LS	

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1	7/17/20	REVISED PER DEEP COMMENTS
REV.	DATE	REVISION DESCRIPTION

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DESIGNER/DRAFTER:
E. Kerr
 CHECKED BY:
D. Dagan
 SCALE AS NOTED

SIGNATURE/BLOCK:

DESIGNED BY:
LUCAS CONSULTING ENGINEERS, LLC
88 COLONY STREET
MERIDEN, CT 06451

PROJECT TITLE:
CONSTRUCTION OF ANSONIA RIVERWALK - SEGMENTS 3 & 4 PREPARED FOR THE CITY OF ANSONIA

TOWN:
ANSONIA

DRAWING TITLE:
DETAILED ESTIMATE SHEET

PROJECT NO.:
02-128


DRAWING NO.:
EST-2

SHEET NO.:


03 - HIGHWAY INDEX OF DRAWINGS

DRAWING NUMBER	DRAWING TITLE	DRAWING NUMBER	DRAWING TITLE
HWY-1	INDEX OF DRAWINGS		
TYP-1	TYPICAL SECTIONS		
CR-1 TO CR-3	CRITICAL SECTIONS		
DET-1 TO DET-2	DETAILS		
L-1 TO L-6	DETAILS		
EX-1 TO EX-2	EXISTING TOPOGRAPHY		
WLK-1 TO WLK-5	RIVERWALK PLANS		
PRO-1 TO PRO-2	RIVERWALK PROFILE		
SEC-1 TO SEC-2	SEDIMENT & EROSION CONTROL PLANS		
AOEC-1	AREAS OF ENVIRONMENTAL CONCERN		
WSA-1	WASTE STOCKPILE AREA PLAN		

DESIGNED BY:



**DE CARLO
& DOLL, INC.**
89 COLONY STREET
MERIDEN, CONNECTICUT 06451



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REV.	DATE	REVISION DESCRIPTION	SHEET NO.


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DATE PLOTTED: 7/17/2020

DESIGNER/DRAFTER:
R. Lalama/E. Kerr

CHECKED BY:
D. Dagan

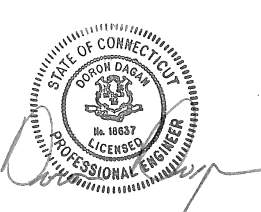
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 DeCarlo & Doll, Inc.
Professional Engineering
& Land Surveying
89 Colony Street
Meriden, Connecticut 06451
(203) 379-0467
(203) 379-0278 fax

 Tate & Associates, LLC
Landscape Architecture
Environmental Site Planning
Urban Design
10 Sisco Hill Road
Fairfield, Connecticut 06824
(203) 255-9011
(205) 255-9022 fax

SIGNATURE/
BLOCK:

DESIGNED BY:
LUCHE CONSULTING ENGINEERS, LLC
89 COLONY STREET
MERIDEN, CT 06451



PROJECT TITLE:
**CONSTRUCTION OF
ANSONIA RIVERWALK - SEGMENTS 3 & 4
PREPARED FOR THE CITY OF ANSONIA**

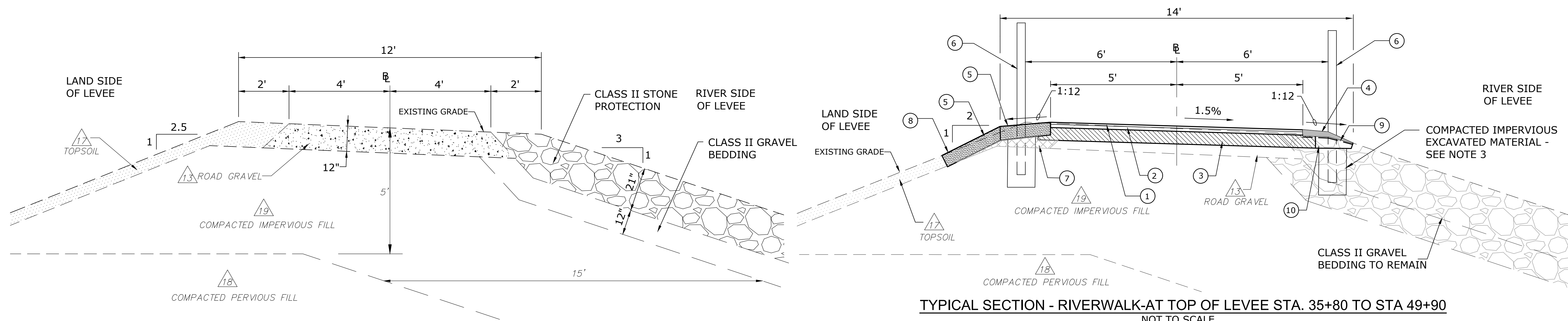
TOWN:
ANSONIA

DRAWING TITLE:
SUBSET 03 COVER SHEET

PROJECT NO.:
02-128

DRAWING NO.:
HWY-01

SHEET NO.:
03.01



TYPICAL SECTION - RIVERWALK-AT TOP OF LEVEE STA. 35+80 TO STA 49+90
NOT TO SCALE

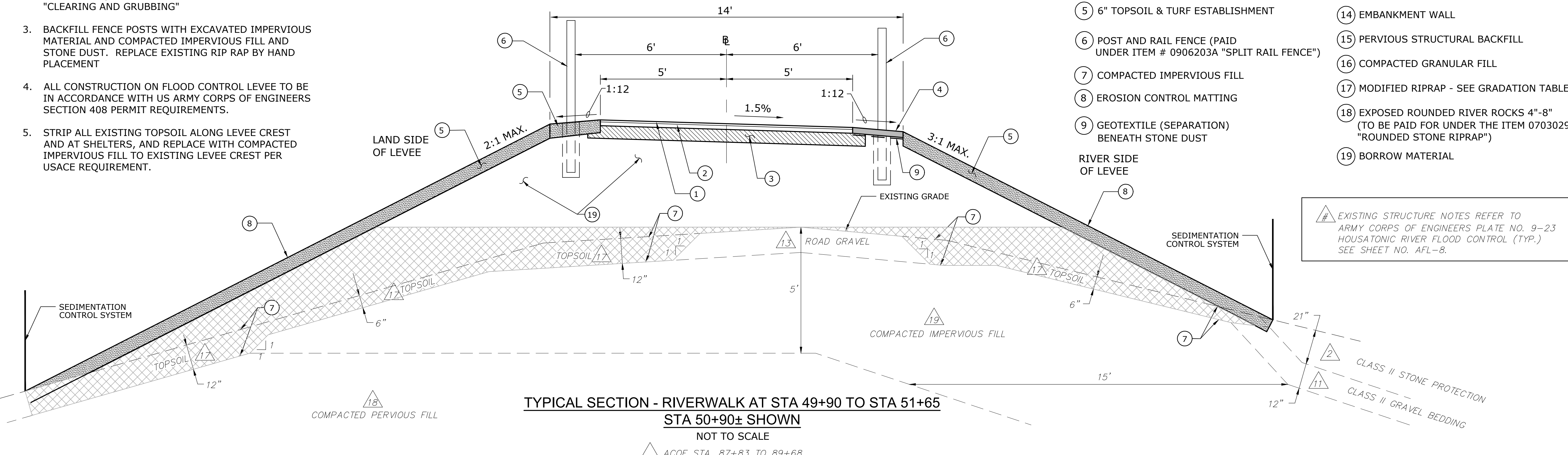
TYPICAL SECTION - EXISTING FLOOD CONTROL LEVEE
NOT TO SCALE

NOTES

1. IN AREAS OF POOR DRAINAGE OR POOR SOIL CONDITIONS, PLACE 12" OF PROCESSED AGGREGATE BASE AS DETERMINED BY THE ENGINEER.
2. CONTRACTOR SHALL PRUNE ROOTS TO OUTSIDE LIMITS OF GRADING, TO BE INCLUDED IN PRICE FOR ITEM "CLEARING AND GRUBBING"
3. BACKFILL FENCE POSTS WITH EXCAVATED IMPERVIOUS MATERIAL AND COMPACTED IMPERVIOUS FILL AND STONE DUST. REPLACE EXISTING RIP RAP BY HAND PLACEMENT
4. ALL CONSTRUCTION ON FLOOD CONTROL LEVEE TO BE IN ACCORDANCE WITH US ARMY CORPS OF ENGINEERS SECTION 408 PERMIT REQUIREMENTS.
5. STRIP ALL EXISTING TOPSOIL ALONG LEVEE CREST AND AT SHELTERS, AND REPLACE WITH COMPACTED IMPERVIOUS FILL TO EXISTING LEVEE CREST PER USACE REQUIREMENT.

RIVERWALK LEGEND

- | | |
|---|--|
| ① 1 1/2" HMA S0.375 INCH (TRAFFIC LEVEL 1) | ⑩ 6" GRANULAR FILL ON SUBBASE FILTER MATERIAL WHERE NECESSARY AS DIRECTED BY THE ENGINEER |
| ② 1 1/2" HMA S0.375 INCH (TRAFFIC LEVEL 1) | ⑪ 8" CLASS "C" CONCRETE PLAZA |
| ③ 6" PROCESSED AGGREGATE BASE (SEE NOTE) | ⑫ 12" PROCESSED AGGREGATE BASE |
| ④ 3" STONE DUST (PAID UNDER ITEM #0921022A STONE DUST PATH) | ⑬ CLASS "C" CONCRETE FENCE FOUNDATION |
| ⑤ 6" TOPSOIL & TURF ESTABLISHMENT | ⑭ EMBANKMENT WALL |
| ⑥ POST AND RAIL FENCE (PAID UNDER ITEM # 0906203A "SPLIT RAIL FENCE") | ⑮ PERVIOUS STRUCTURAL BACKFILL |
| ⑦ COMPACTED IMPERVIOUS FILL | ⑯ COMPACTED GRANULAR FILL |
| ⑧ EROSION CONTROL MATTING | ⑰ MODIFIED RIPRAP - SEE GRADATION TABLE |
| ⑨ GEOTEXTILE (SEPARATION) BENEATH STONE DUST | ⑱ EXPOSED ROUNDED RIVER ROCKS 4"-8" (TO BE PAID FOR UNDER THE ITEM 0703029 "ROUNDED STONE RIPRAP") |
| | ⑲ BORROW MATERIAL |



TYPICAL SECTION - RIVERWALK AT STA 49+90 TO STA 51+65
STA 50+90± SHOWN
NOT TO SCALE

△ ACOE STA. 87+83 TO 89+68

EXISTING STRUCTURE NOTES REFER TO ARMY CORPS OF ENGINEERS PLATE NO. 9-23 HOUSATONIC RIVER FLOOD CONTROL (TYP.) SEE SHEET NO. AFL-8.

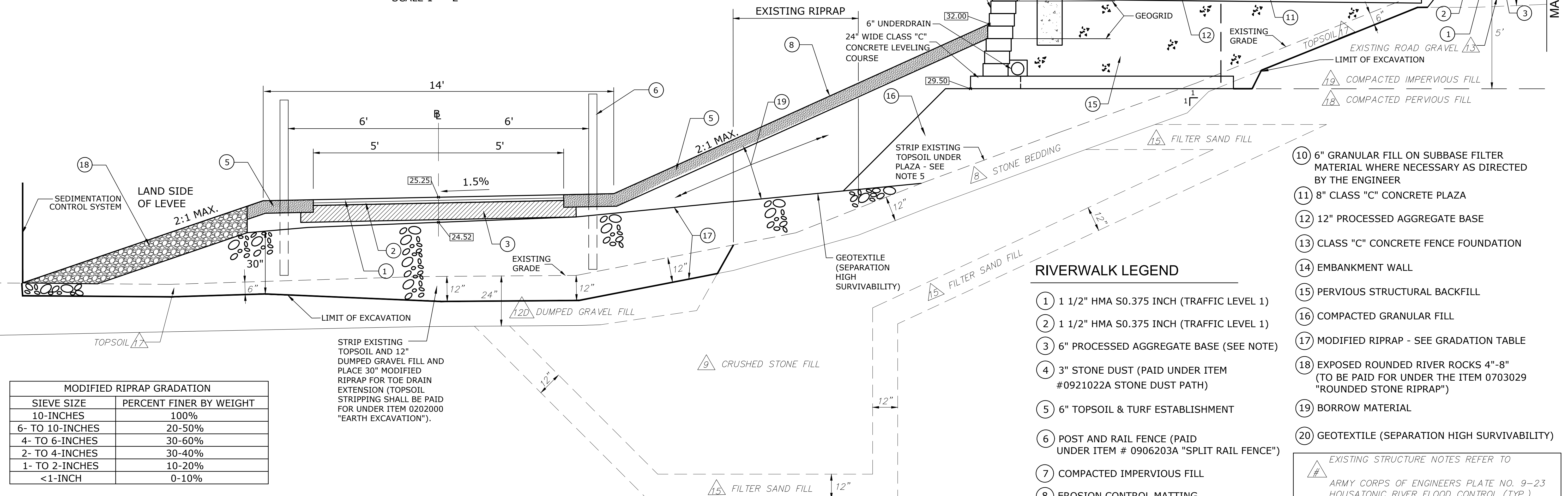
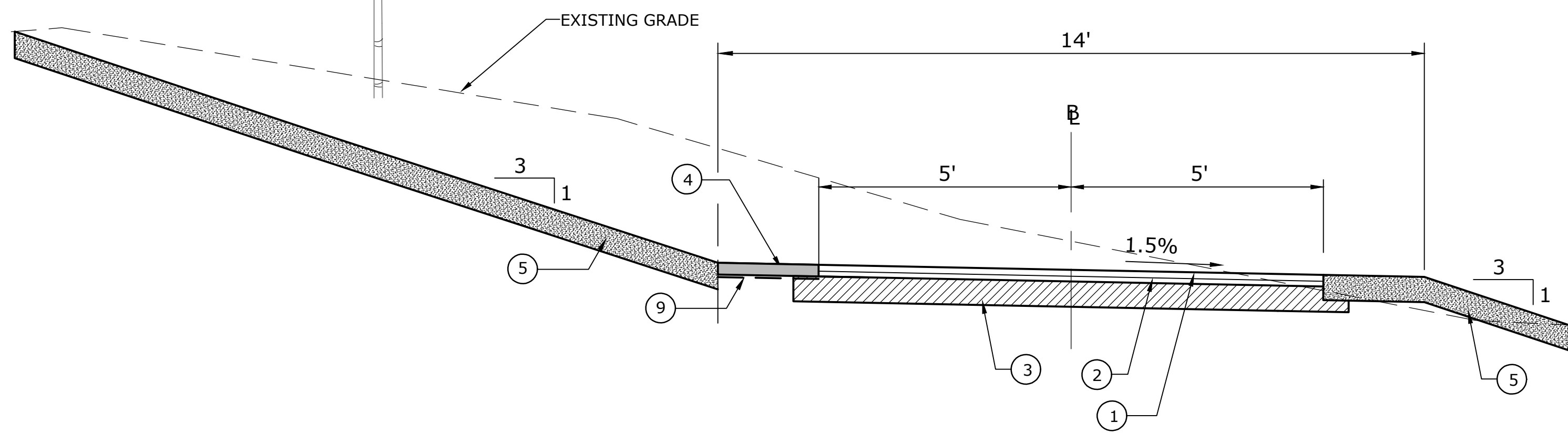
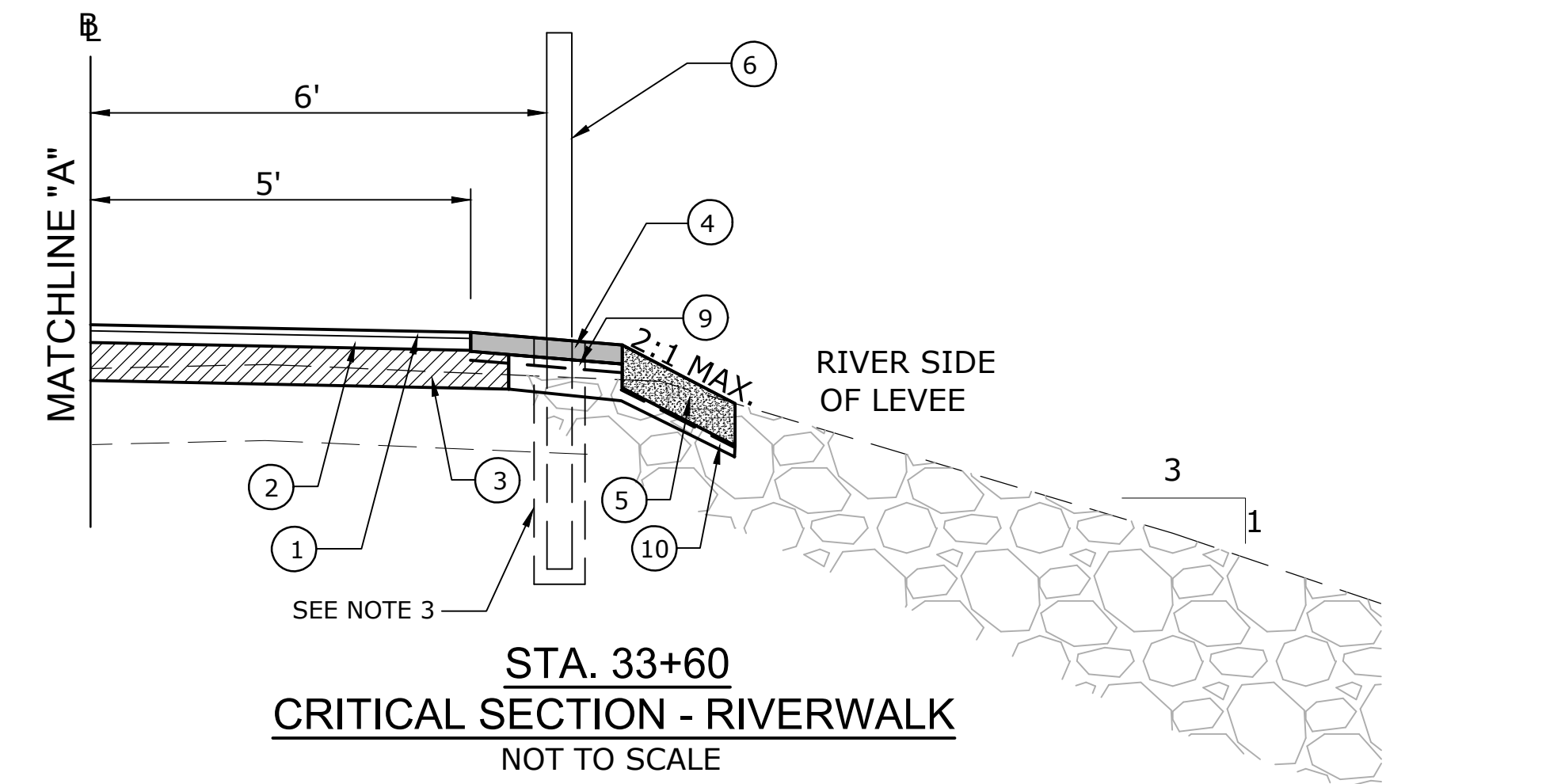
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REV. DATE REVISION DESCRIPTION SHEET NO. DATE PLOTTED: 6/01/2020	1 11/15/19 REVISED PER USACE COMMENTS					DRAWING TITLE: TYPICAL SECTIONS	DRAWING NO.: TYP-1	SHEET NO.: 03.02

NOTES

1. IN AREAS OF POOR DRAINAGE OR POOR SOIL CONDITIONS, PLACE 12" OF PROCESSED AGGREGATE BASE AS DETERMINED BY THE ENGINEER.
2. CONTRACTOR SHALL PRUNE ROOTS TO OUTSIDE LIMITS OF GRADING, TO BE INCLUDED IN PRICE FOR ITEM "CLEARING AND GRUBBING"
3. BACKFILL FENCE POSTS WITH EXCAVATED IMPERVIOUS MATERIAL AND COMPACTED IMPERVIOUS FILL AND STONE DUST. REPLACE EXISTING RIP RAP BY HAND PLACEMENT.

4. ALL CONSTRUCTION ON FLOOD CONTROL LEVEE TO BE IN ACCORDANCE WITH US ARMY CORPS OF ENGINEERS SECTION 408 PERMIT REQUIREMENTS.
5. STRIP ALL EXISTING TOPSOIL ALONG LEVEE CREST AND AT SHELTERS, AND REPLACE WITH COMPACTED IMPERVIOUS FILL TO EXISTING LEVEE CREST PER USACE REQUIREMENT.



RIVERWALK LEGEND

- ① 1 1/2" HMA S0.375 INCH (TRAFFIC LEVEL 1)
- ② 1 1/2" HMA S0.375 INCH (TRAFFIC LEVEL 1)
- ③ 6" PROCESSED AGGREGATE BASE (SEE NOTE)
- ④ 3" STONE DUST (PAID UNDER ITEM #0921022A STONE DUST PATH)
- ⑤ 6" TOPSOIL & TURF ESTABLISHMENT
- ⑥ POST AND RAIL FENCE (PAID UNDER ITEM # 0906203A "SPLIT RAIL FENCE")
- ⑦ COMPACTED IMPERVIOUS FILL
- ⑧ EROSION CONTROL MATTING
- ⑨ GEOTEXTILE (SEPARATION) BENEATH STONE DUST
- ⑩ 6" GRANULAR FILL ON SUBBASE FILTER MATERIAL WHERE NECESSARY AS DIRECTED BY THE ENGINEER
- ⑪ 8" CLASS "C" CONCRETE PLAZA
- ⑫ 12" PROCESSED AGGREGATE BASE
- ⑬ CLASS "C" CONCRETE FENCE FOUNDATION
- ⑭ EMBANKMENT WALL
- ⑮ PERVIOUS STRUCTURAL BACKFILL
- ⑯ COMPACTED GRANULAR FILL
- ⑰ MODIFIED RIPRAP - SEE GRADATION TABLE
- ⑱ EXPOSED ROUNDED RIVER ROCKS 4"-8" (TO BE PAID FOR UNDER THE ITEM 0703029 "ROUNDED STONE RIPRAP")
- ⑲ BORROW MATERIAL
- ⑳ GEOTEXTILE (SEPARATION HIGH SURVIVABILITY)

EXISTING STRUCTURE NOTES REFER TO
ARMY CORPS OF ENGINEERS PLATE NO. 9-23
HOUSATONIC RIVER FLOOD CONTROL (TYP.)
SEE SHEET NO. AFL-8.

MODIFIED RIPRAP GRADATION	
SIEVE SIZE	PERCENT FINER BY WEIGHT
10-INCHES	100%
6- TO 10-INCHES	20-50%
4- TO 6-INCHES	30-60%
2- TO 4-INCHES	30-40%
1- TO 2-INCHES	10-20%
<1-INCH	0-10%

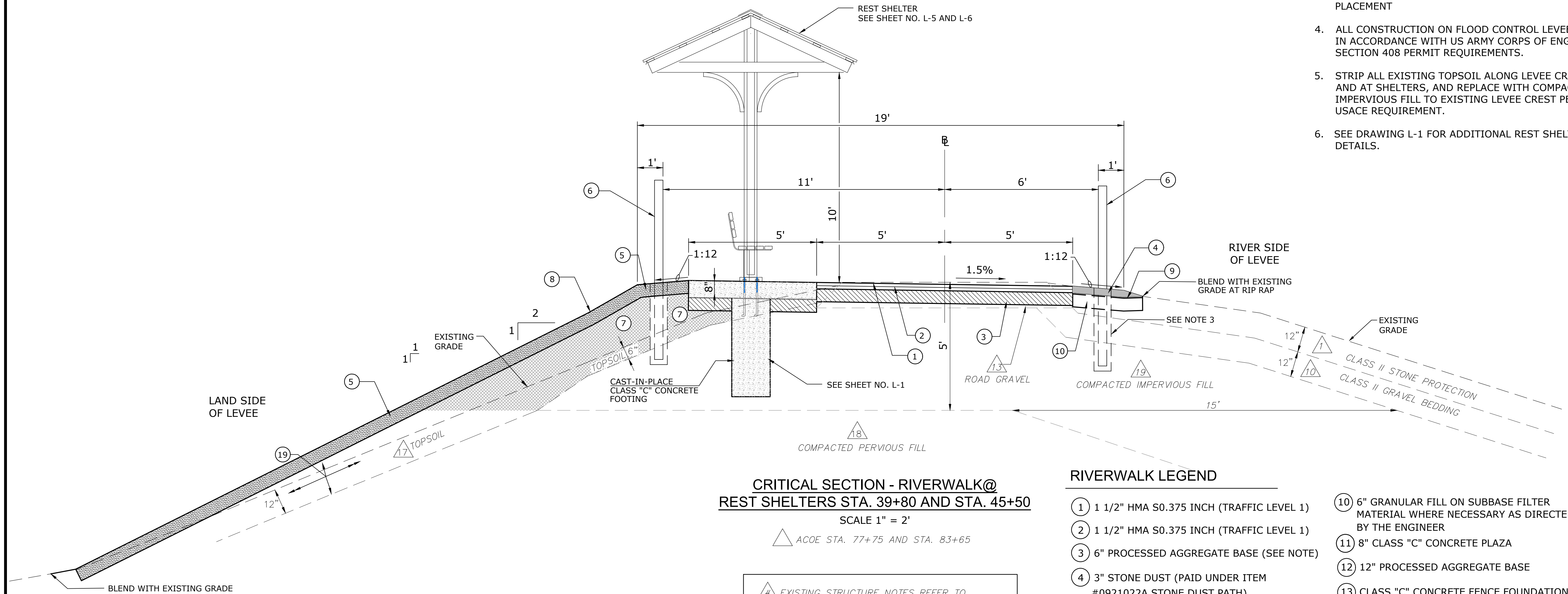
STRIP EXISTING TOPSOIL AND 12" DUMPED GRAVEL FILL AND PLACE 30" MODIFIED RIPRAP FOR TOE DRAIN EXTENSION (TOPSOIL STRIPPING SHALL BE PAID FOR UNDER ITEM Q202000 "EARTH EXCAVATION").

C:\Projects\DD Projects\51512 Ansonia Riverwalk_Seg 3 and 4\Design\CRT_SEC_SEC_3-4.dwg

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>REV.</th> <th>DATE</th> <th>REVISION DESCRIPTION</th> </tr> <tr> <td>1</td> <td>11/15/19</td> <td>REVISED PER USACE COMMENTS</td> </tr> </table>	REV.	DATE	REVISION DESCRIPTION	1	11/15/19	REVISED PER USACE COMMENTS	THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.	DESIGNER/DRAFTER: CHECKED BY: SCALE AS NOTED	DeCarlo & Doll, Inc. Professional Engineering & Land Surveying 89 Colony Street Meriden, Connecticut 06451 (203) 379-0467 (203) 379-0276 fax	Tate & Associates, LLC Landscape Architecture Environmental Site Planning Urban Design 10 Sisco Hill Road Fairfield, Connecticut 06424 (203) 255-9011 (203) 255-9022 fax	SIGNATURE/BLOCK: DESIGNED BY: LUCHS CONSULTING ENGINEERS, LLC 89 COLONY STREET MERIDEN, CT 06451	PROJECT TITLE: CONSTRUCTION OF ANSONIA RIVERWALK - SEGMENTS 3 & 4 PREPARED FOR THE CITY OF ANSONIA	TOWN: ANSONIA	PROJECT NO.: 02-128 DRAWING NO.: CR-1 SHEET NO.: 03.03
REV.	DATE	REVISION DESCRIPTION												
1	11/15/19	REVISED PER USACE COMMENTS												
SHEET NO.			DATE PLOTTED: 7/17/2020			DRAWING TITLE: CRITICAL SECTIONS								

NOTES

1. IN AREAS OF POOR DRAINAGE OR POOR SOIL CONDITIONS, PLACE 12" OF PROCESSED AGGREGATE BASE AS DETERMINED BY THE ENGINEER.
2. CONTRACTOR SHALL PRUNE ROOTS TO OUTSIDE LIMITS OF GRADING, TO BE INCLUDED IN PRICE FOR ITEM "CLEARING AND GRUBBING"
3. BACKFILL FENCE POSTS WITH EXCAVATED IMPERVIOUS MATERIAL AND COMPACTED IMPERVIOUS FILL AND STONE DUST. REPLACE EXISTING RIP RAP BY HAND PLACEMENT
4. ALL CONSTRUCTION ON FLOOD CONTROL LEVEE TO BE IN ACCORDANCE WITH US ARMY CORPS OF ENGINEERS SECTION 408 PERMIT REQUIREMENTS.
5. STRIP ALL EXISTING TOPSOIL ALONG LEVEE CREST AND AT SHELTERS, AND REPLACE WITH COMPACTED IMPERVIOUS FILL TO EXISTING LEVEE CREST PER USACE REQUIREMENT.
6. SEE DRAWING L-1 FOR ADDITIONAL REST SHELTER DETAILS.



**CRITICAL SECTION - RIVERWALK@
REST SHELTERS STA. 39+80 AND STA. 45+50**
SCALE 1" = 2'

△ ACOE STA. 77+75 AND STA. 83+65

△# EXISTING STRUCTURE NOTES REFER TO ARMY CORPS OF ENGINEERS PLATE NO. 9-23 HOUSATONIC RIVER FLOOD CONTROL (TYP.) SEE SHEET NO. AFL-8.

RIVERWALK LEGEND

- | | |
|---|--|
| ① 1 1/2" HMA S0.375 INCH (TRAFFIC LEVEL 1) | ⑩ 6" GRANULAR FILL ON SUBBASE FILTER MATERIAL WHERE NECESSARY AS DIRECTED BY THE ENGINEER |
| ② 1 1/2" HMA S0.375 INCH (TRAFFIC LEVEL 1) | ⑪ 8" CLASS "C" CONCRETE PLAZA |
| ③ 6" PROCESSED AGGREGATE BASE (SEE NOTE) | ⑫ 12" PROCESSED AGGREGATE BASE |
| ④ 3" STONE DUST (PAID UNDER ITEM #0921022A STONE DUST PATH) | ⑬ CLASS "C" CONCRETE FENCE FOUNDATION |
| ⑤ 6" TOPSOIL & TURF ESTABLISHMENT | ⑭ EMBANKMENT WALL |
| ⑥ POST AND RAIL FENCE (PAID UNDER ITEM # 0906203A "SPLIT RAIL FENCE") | ⑮ PERVIOUS STRUCTURAL BACKFILL |
| ⑦ COMPACTED IMPERVIOUS FILL | ⑯ COMPACTED GRANULAR FILL |
| ⑧ EROSION CONTROL MATTING | ⑰ MODIFIED RIPRAP - SEE GRADATION TABLE |
| ⑨ GEOTEXTILE (SEPARATION) BENEATH STONE DUST | ⑱ EXPOSED ROUNDED RIVER ROCKS 4"-8" (TO BE PAID FOR UNDER THE ITEM 0703029 "ROUNDED STONE RIPRAP") |
| | ⑲ BORROW MATERIAL |
| | ⑳ GEOTEXTILE (SEPARATION HIGH SURVIVABILITY) |

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1	11/15/19	REVISED PER USACE COMMENTS	
REV.	DATE	REVISION DESCRIPTION	SHEET NO.

DESIGNER/DRAFTER:
CHECKED BY:
SCALE AS NOTED

DeCarlo & Doll, Inc.
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(203) 255-9022 fax

SIGNATURE/BLOCK:
DESIGNED BY:
LUGHES CONSULTING ENGINEERS, LLC
89 COLONY STREET
MERIDEN, CT 06451

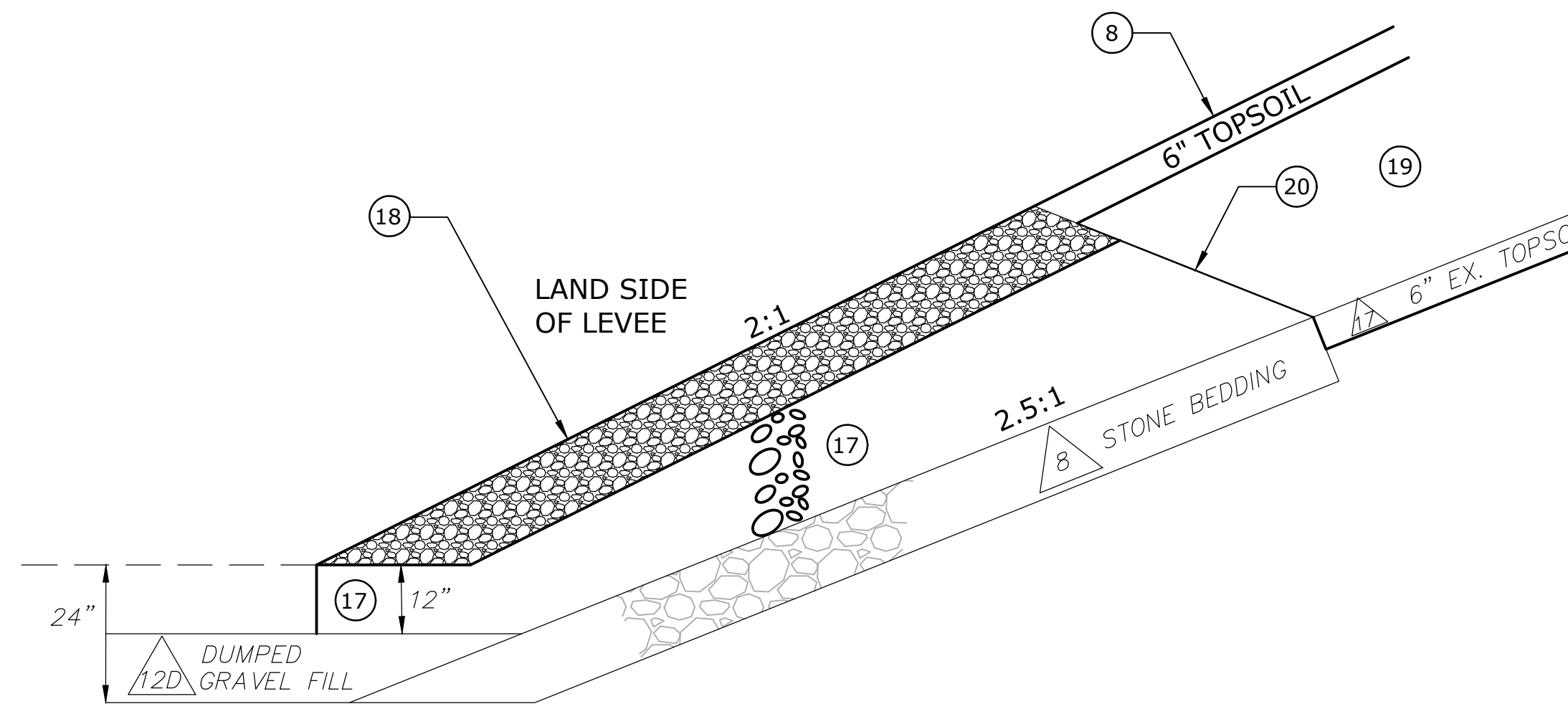
PROJECT TITLE:
**CONSTRUCTION OF
ANSONIA RIVERWALK - SEGMENTS 3 & 4
PREPARED FOR THE CITY OF ANSONIA**

TOWN:
ANSONIA
DRAWING TITLE:
CRITICAL SECTIONS

PROJECT NO.:
02-128
DRAWING NO.:
CR-2
SHEET NO.:
03.04

NOTE

1. EXTEND EXISTING TOE DRAINS TO DAYLIGHT ON INSIDE TOE OF LANDWARD FILL. SLOPE OF FLOOD CONTROL LEVEE EVERYWHERE PROPOSED FILL HAS TO COVER EXISTING TOE DRAIN. MAINTAIN ALL EXISTING TOE DRAINS IN WORKING CONDITION DURING CONSTRUCTION.
2. REMOVE ALL VEGETATION COVERING EXISTING TOE DRAINS. DISPOSE OF VEGETATION LEGALLY.
3. STRIP 12" OF EXISTING "DUMPED GRAVEL FILL" AT TOE OF EXISTING LEVEE OUT TO LIMITS OF PROPOSED FILL SLOPE. STOCKPILE MATERIAL FOR LATER REUSE OR DISPOSAL.
4. STRIP 6" OF EXISTING TOPSOIL ABOVE TOE DRAIN AND STOCKPILE FOR LATER REUSE.
5. INSTALL MODIFIED RIP RAP OVER EXISTING TOE DRAIN AND EXTEND TO WITHIN 1' OF FACE OF PROPOSED SLOPE. INSTALL MODIFIED RIP RAP AS NOTED IN SECTION 5.0 FILTER COMPATIBILITY, GEOTECHNICAL ENGINEERING EVALUATION REPORT, DATED NOVEMBER 2019 BY DOWN TO EARTH CONSULTING, LLC. MODIFIED RIP RAP LAYER TO BE 12" MINIMUM AND 30" MAXIMUM THICKNESS.
6. INSTALL 12" OF ROUNDED RIVER STONE OVER MODIFIED RIP RAP AT END OF TOE DRAIN EXTENSION. ROUNDED RIVER STONE IS INTENDED FOR ATTRACTIVE LANDSCAPING PURPOSES.
7. INSTALL GEOTEXTILE (SEPARATION HIGH SURVIVABILITY) OVER TOP OF TOE DRAIN EXTENSION PRIOR TO PLACING BORROW IN COMPACTED LIFTS OVER TOE DRAIN. INSTALL 6" TOPSOIL OVER COMPACTED BORROW. INSTALL EROSION CONTROL MATTING OVER SEEDED TOPSOIL. TRIM GEOTEXTILE AS NECESSARY AFTER PROPOSED TURF IS FULLY ESTABLISHED THRU EROSION CONTROL MATTING AND FILL SLOPE IS FULLY STABILIZED.



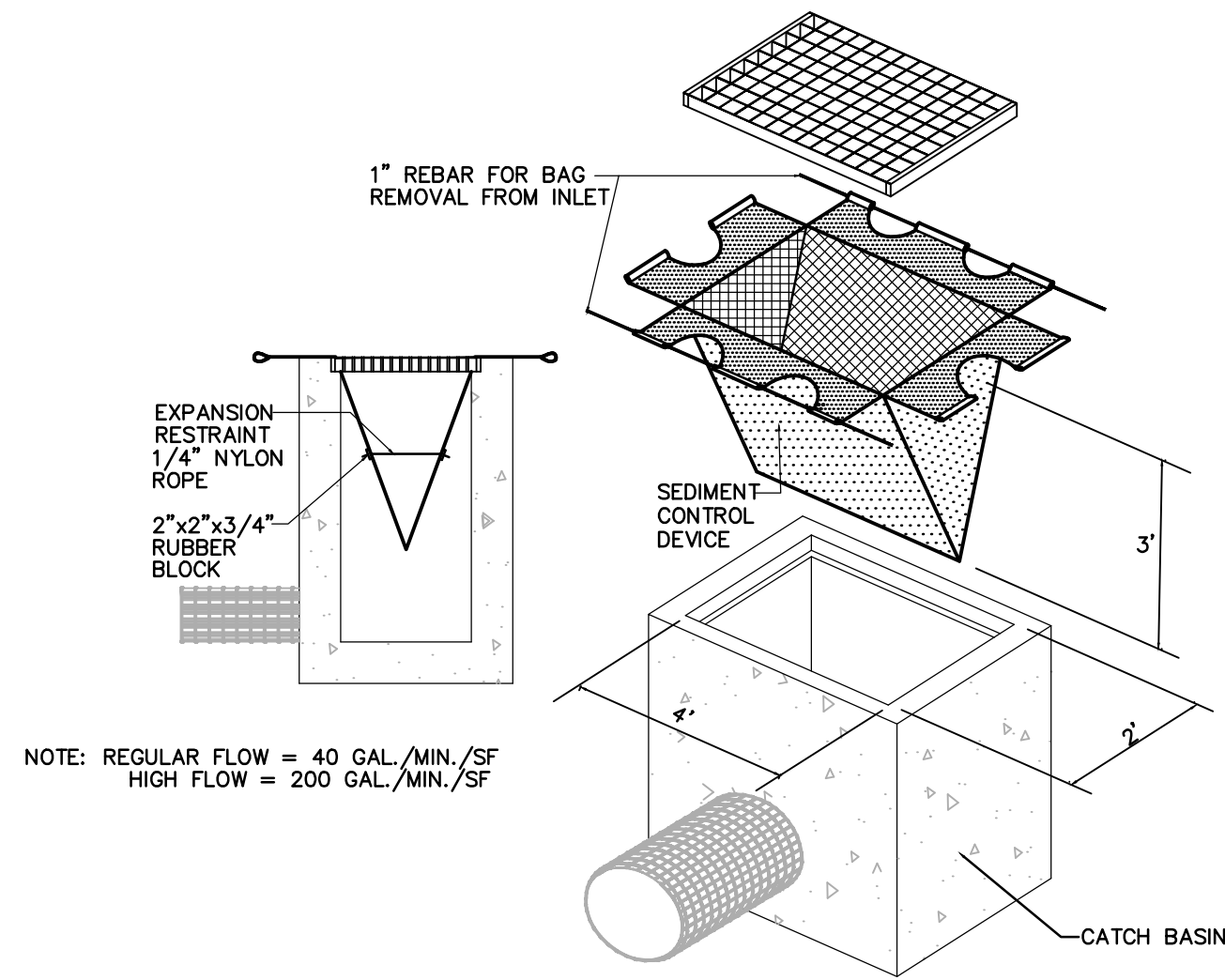
TOE DRAIN EXTENSION DETAIL
SHOWN AT STA. 50+50
 SCALE 1" = 2'

RIVERWALK LEGEND

- | | |
|---|--|
| ① 1 1/2" HMA S0.375 INCH (TRAFFIC LEVEL 1) | ⑩ 6" GRANULAR FILL ON SUBBASE FILTER MATERIAL WHERE NECESSARY AS DIRECTED BY THE ENGINEER |
| ② 1 1/2" HMA S0.375 INCH (TRAFFIC LEVEL 1) | ⑪ 8" CLASS "C" CONCRETE PLAZA |
| ③ 6" PROCESSED AGGREGATE BASE (SEE NOTE) | ⑫ 12" PROCESSED AGGREGATE BASE |
| ④ 3" STONE DUST (PAID UNDER ITEM #0921022A STONE DUST PATH) | ⑬ CLASS "C" CONCRETE FENCE FOUNDATION |
| ⑤ 6" TOPSOIL & TURF ESTABLISHMENT | ⑭ EMBANKMENT WALL |
| ⑥ POST AND RAIL FENCE (PAID UNDER ITEM # 0906203A "SPLIT RAIL FENCE") | ⑮ PERVIOUS STRUCTURAL BACKFILL |
| ⑦ COMPACTED IMPERVIOUS FILL | ⑯ COMPACTED GRANULAR FILL |
| ⑧ EROSION CONTROL MATTING | ⑰ MODIFIED RIPRAP - SEE GRADATION TABLE |
| ⑨ GEOTEXTILE (SEPARATION) BENEATH STONE DUST | ⑱ EXPOSED ROUNDED RIVER ROCKS 4"-8" (TO BE PAID FOR UNDER THE ITEM 0703029 "ROUNDED STONE RIPRAP") |
| | ⑲ BORROW MATERIAL |
| | ⑳ GEOTEXTILE (SEPARATION HIGH SURVIVABILITY) |

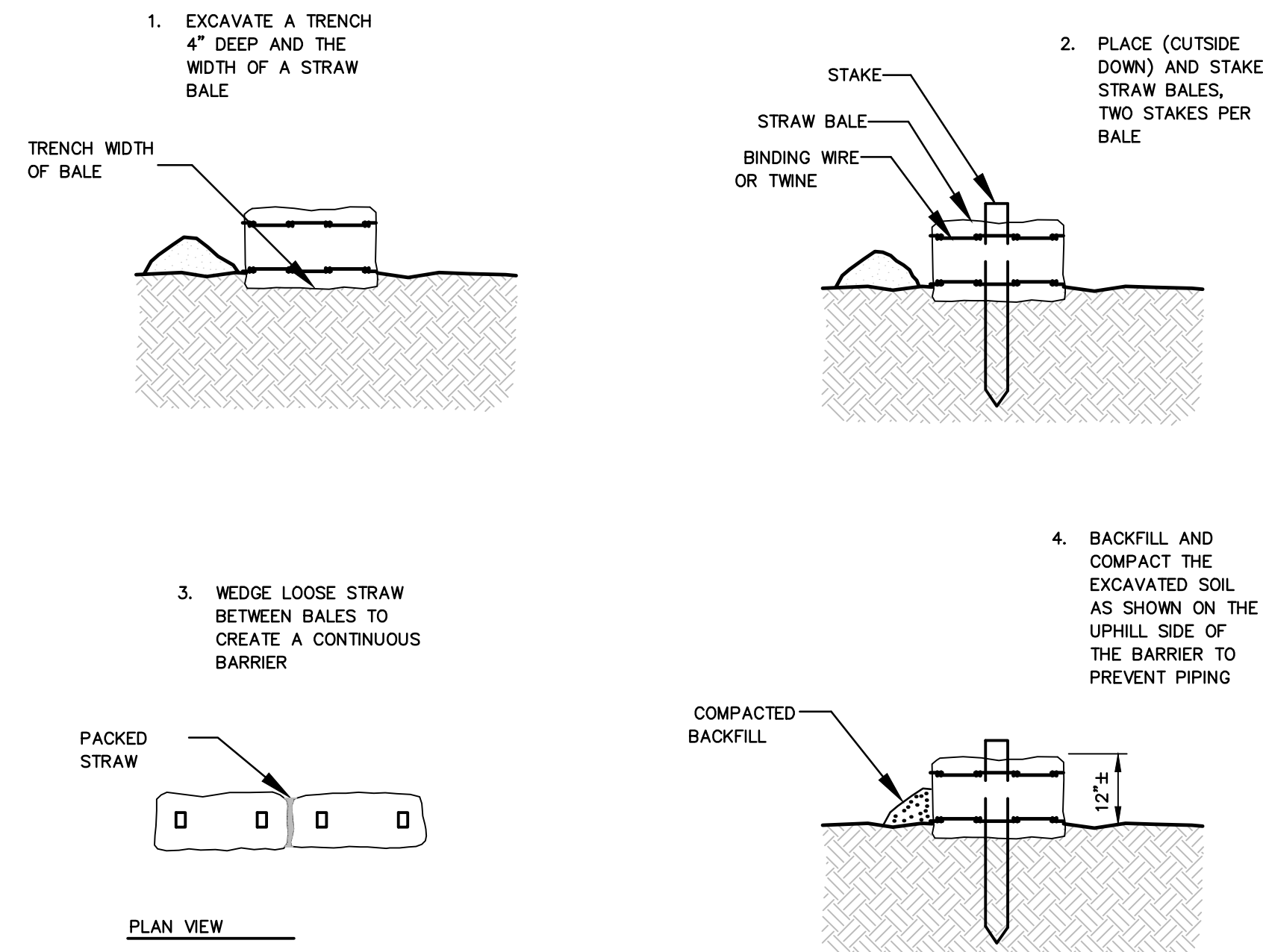
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1 REV. DATE 7/17/20	NEW SHEET PER DEFP COMMENTS REVISION DESCRIPTION	SHEET NO. DATE PLOTTED: 7/17/2020	DRAWING TITLE: CRITICAL SECTIONS		DRAWING NO.: CR-3	SHEET NO.: 03.05		

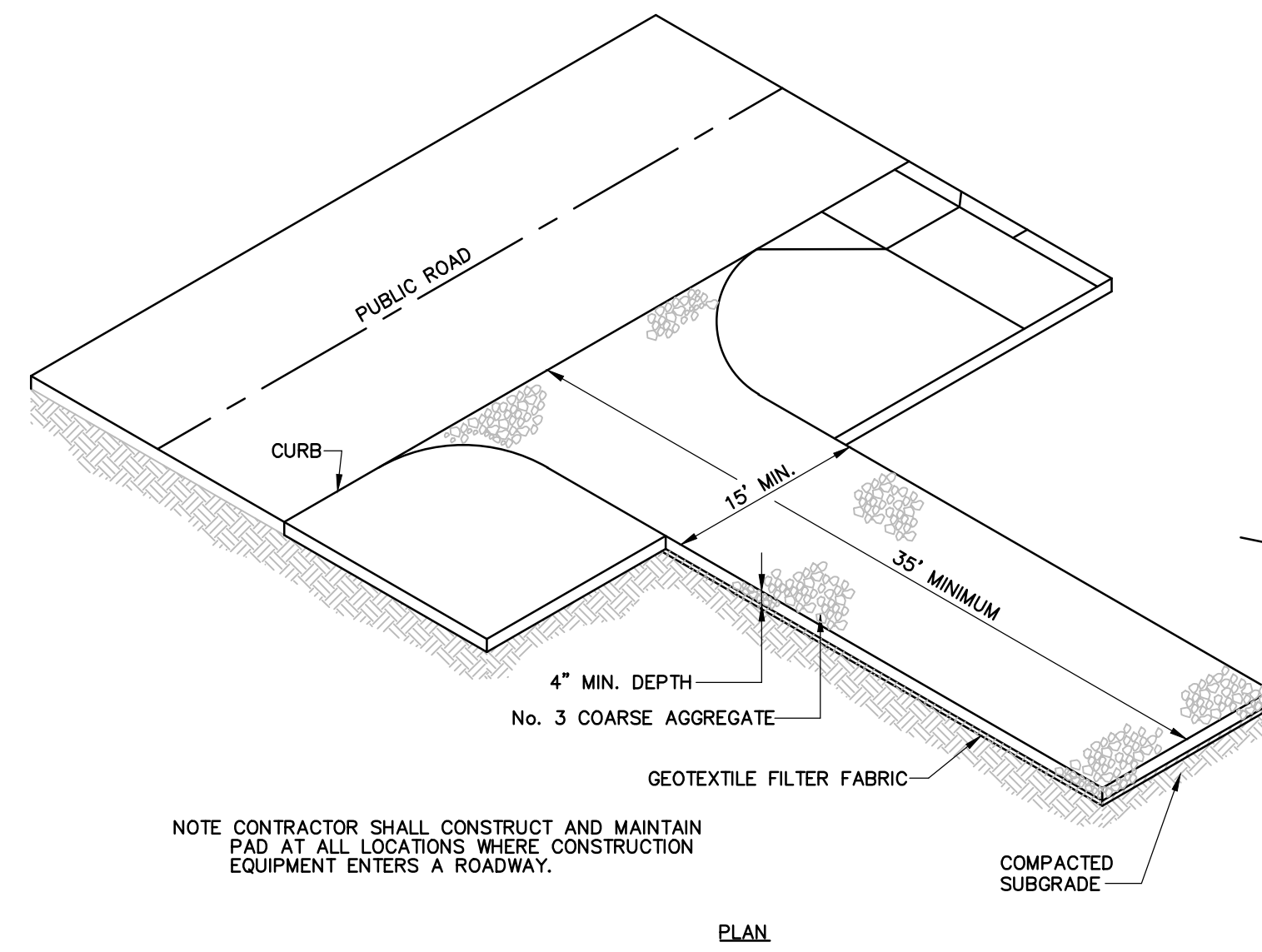


SEDIMENTATION CONTROL AT CATCH BASIN
NTS

SS

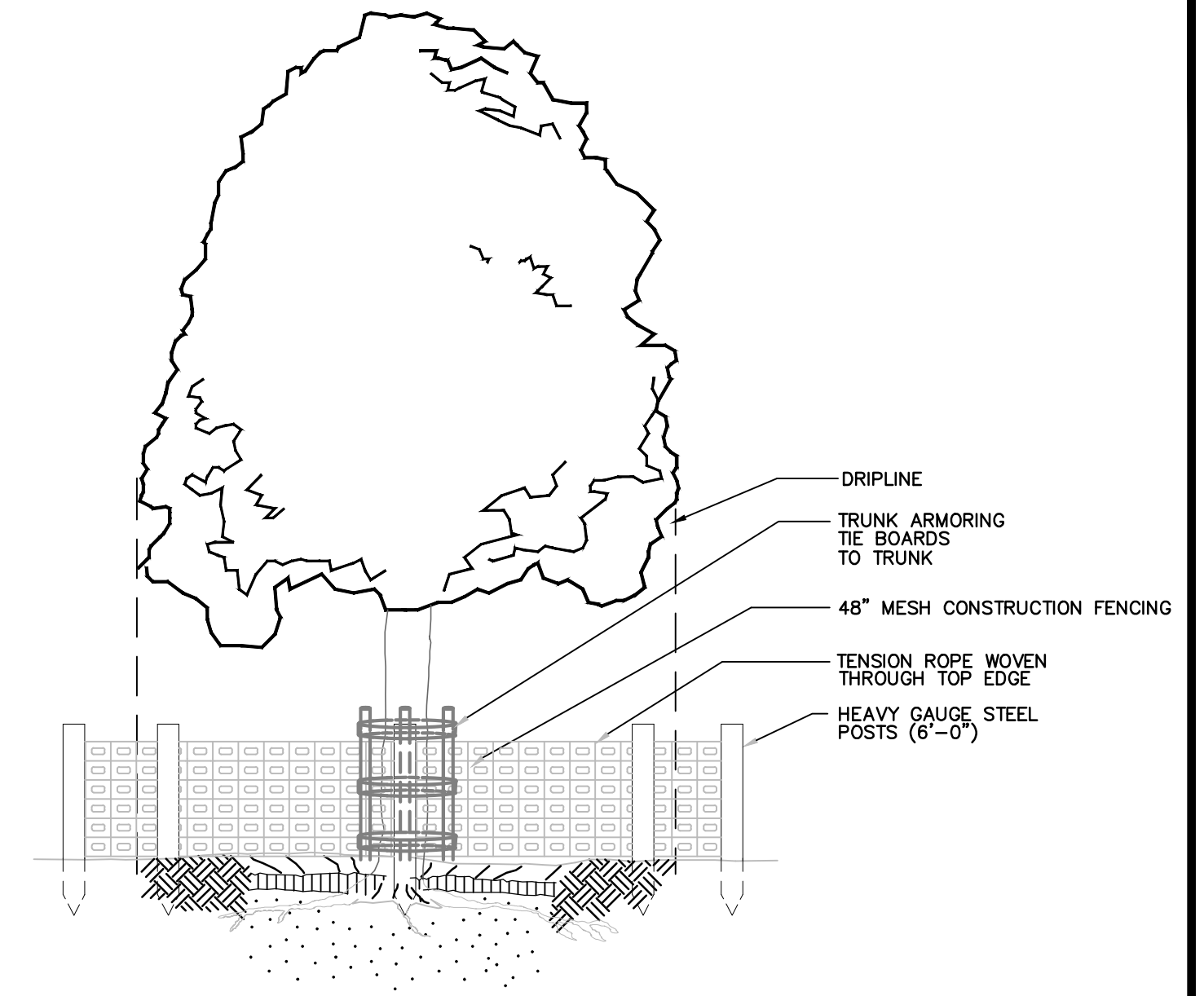
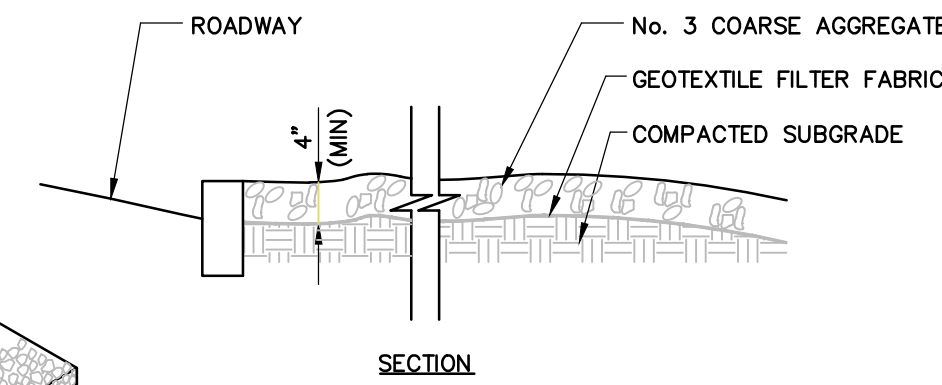


HAYBALE STAKING DETAIL
NTS



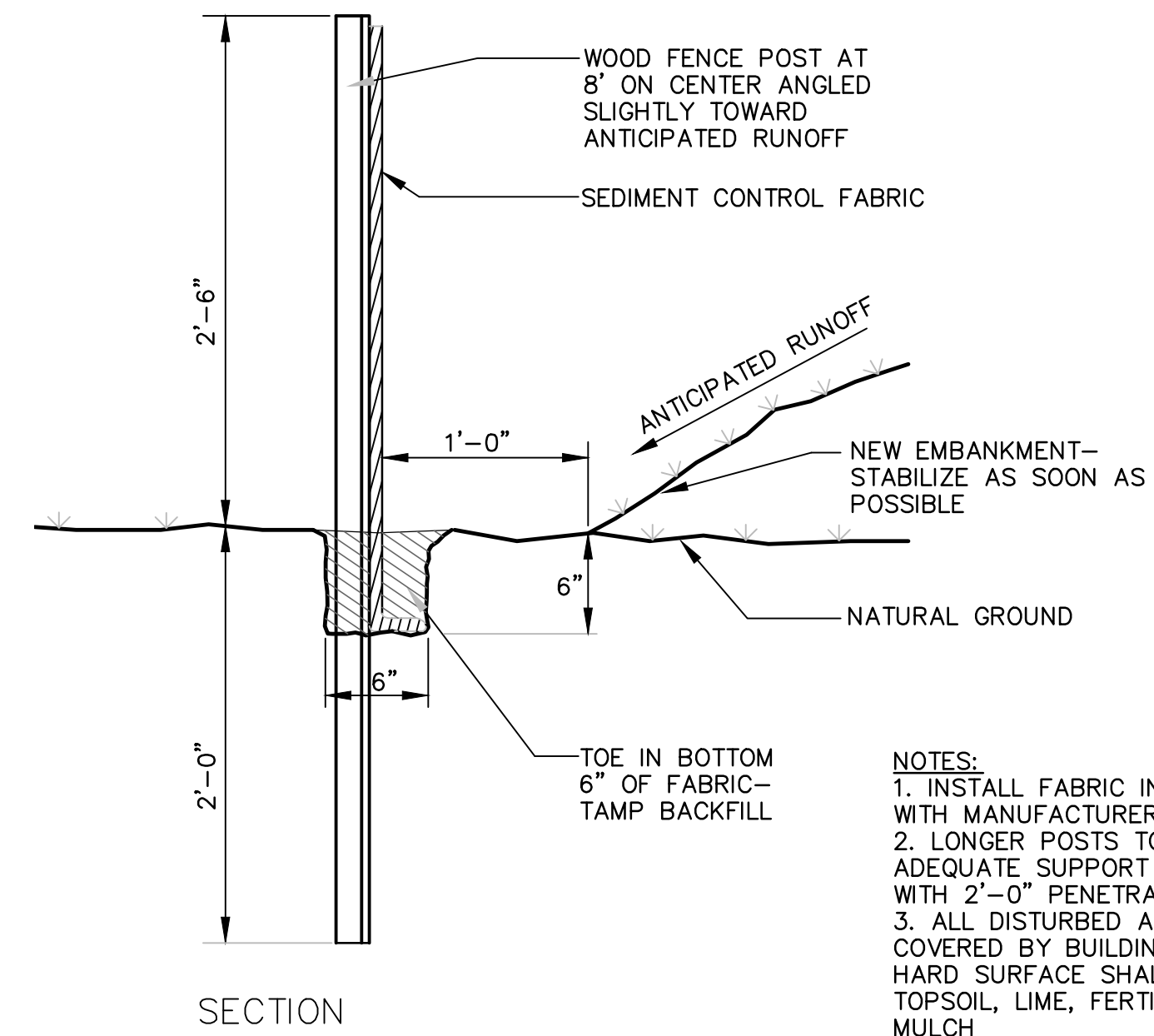
CONSTRUCTION ENTRANCE ANTI-TRACKING PAD
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TREE PROTECTION DETAIL
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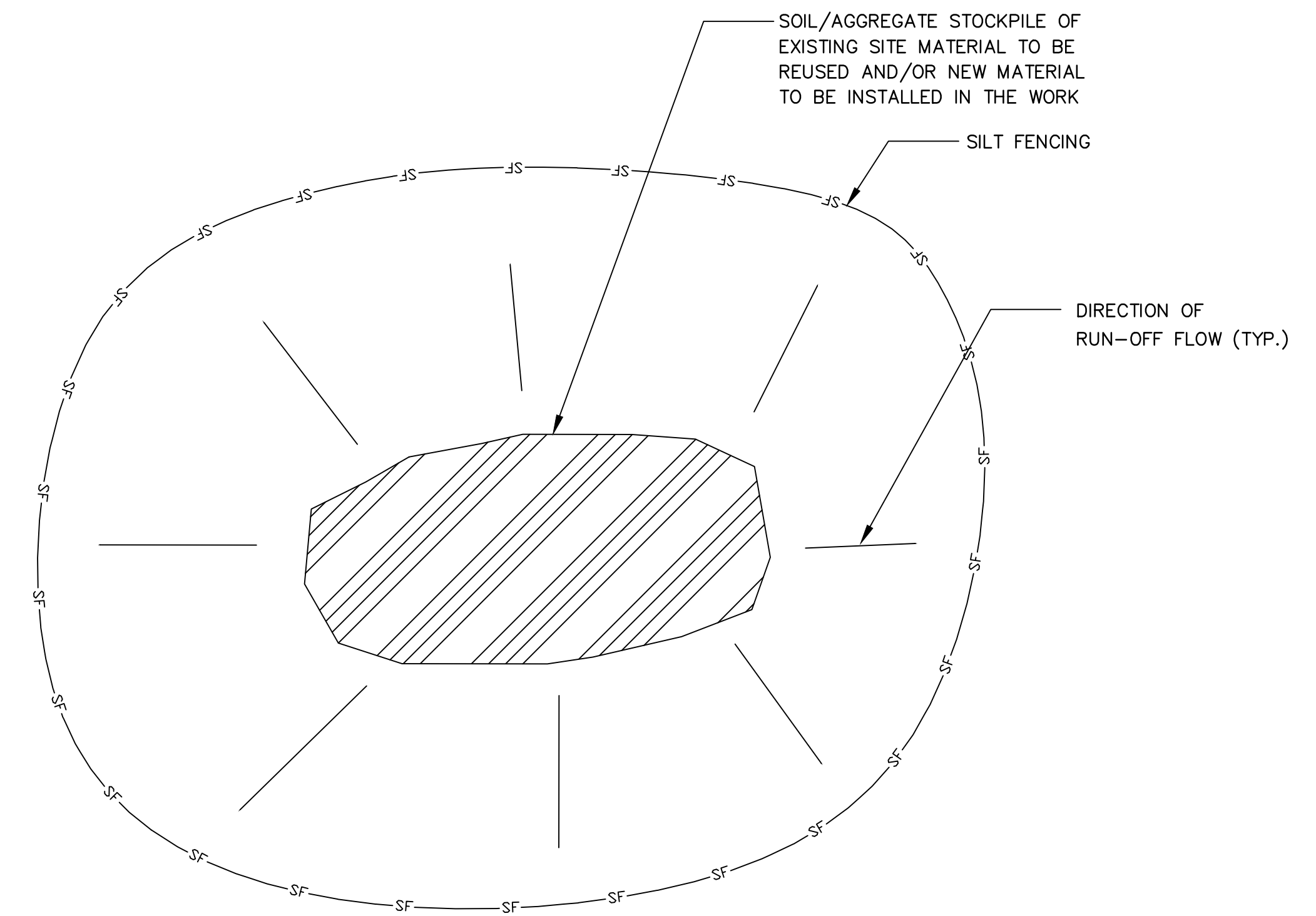
TP



SILT FENCE
NTS

SF

NOTES:
1. INSTALL FABRIC IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS
2. LONGER POSTS TO BE USED IF ADEQUATE SUPPORT NOT OBTAINED WITH 2'-0" PENETRATION
3. ALL DISTURBED AREAS NOT PAVED, COVERED BY BUILDING, ROCK OR OTHER HARD SURFACE SHALL RECEIVE 4" TOPSOIL, LIME, FERTILIZER, SEED & MULCH



EARTH STOCKPILE AREA
NTS

NOTE

1. SEE SEC-1, SEC-2 AND PROJECT MANUAL FOR FURTHER INFORMATION.

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REV.	DATE	REVISION DESCRIPTION	SHEET NO.	DATE PLOTTED:
				6/02/2020

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DESIGNER/DRAFTER:
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SCALE AS NOTED

DeCarlo & Doll, Inc.
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(203) 379-0276 fax

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DESIGNED BY:
LUGHES CONSULTING ENGINEERS, LLC
89 COLONY STREET
MERIDEN, CT 06451

PROJECT TITLE:
CONSTRUCTION OF ANSONIA RIVERWALK - SEGMENTS 3 & 4 PREPARED FOR THE CITY OF ANSONIA

TOWN:
ANSONIA

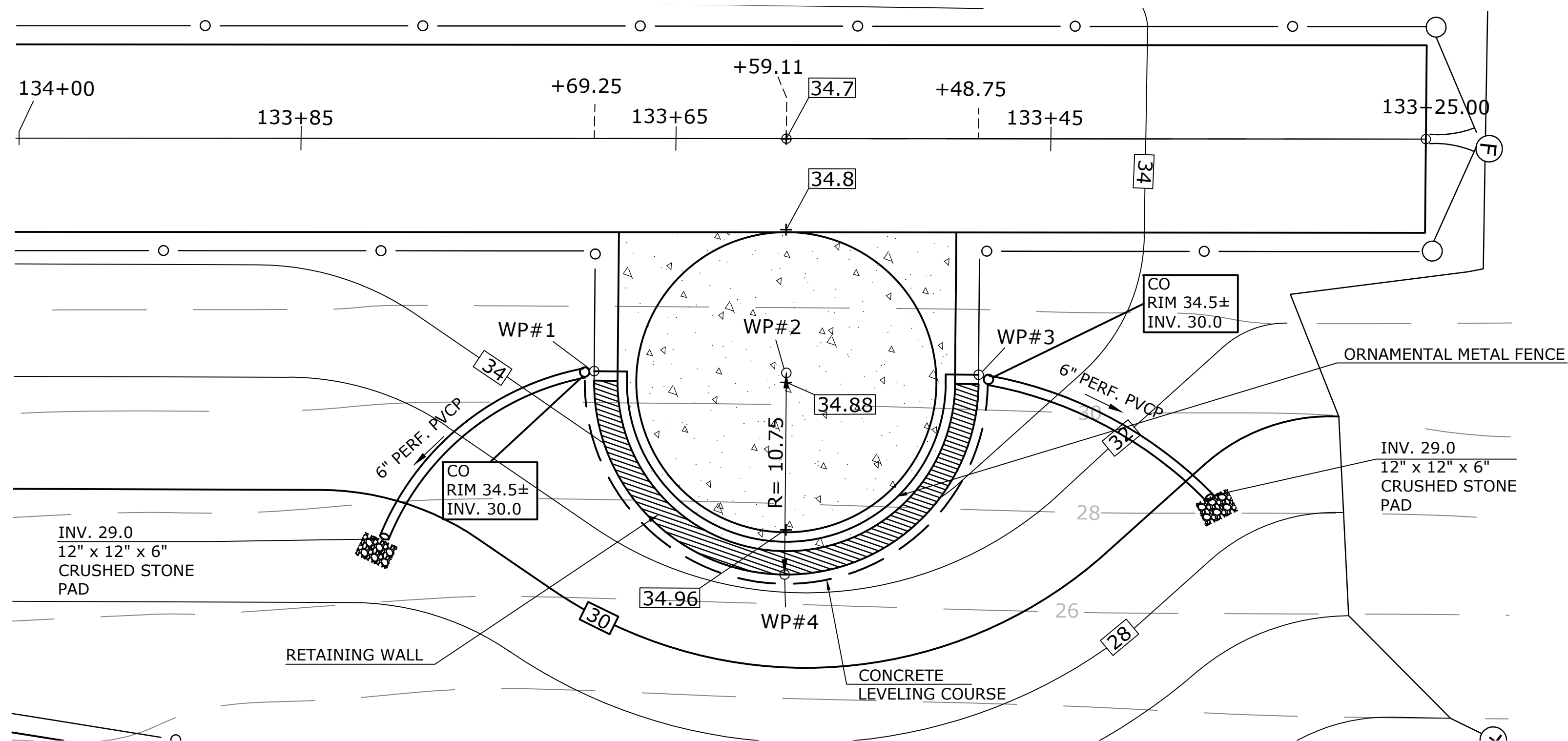
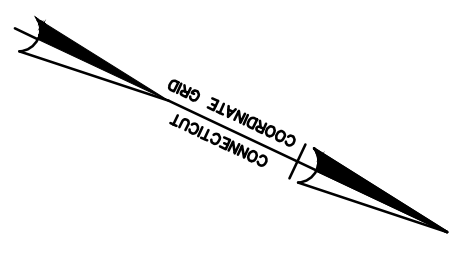
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CONSTRUCTION DETAILS (S&E)

PROJECT NO.:
02-128

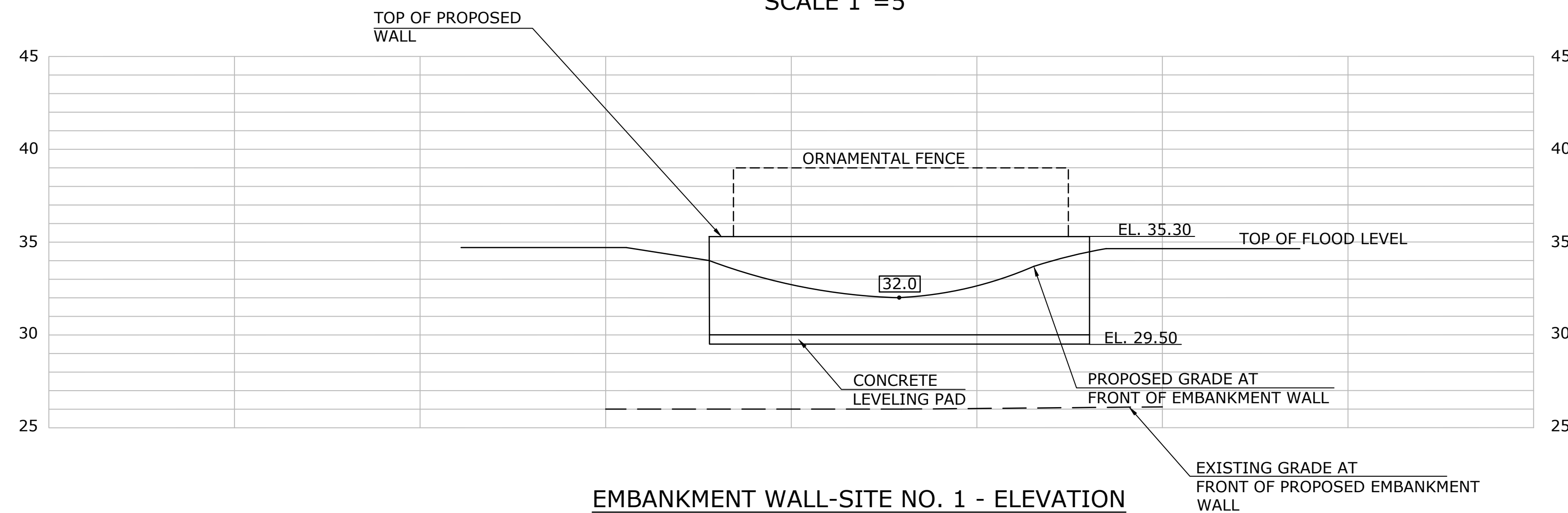
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SHEET NO.:
03.06

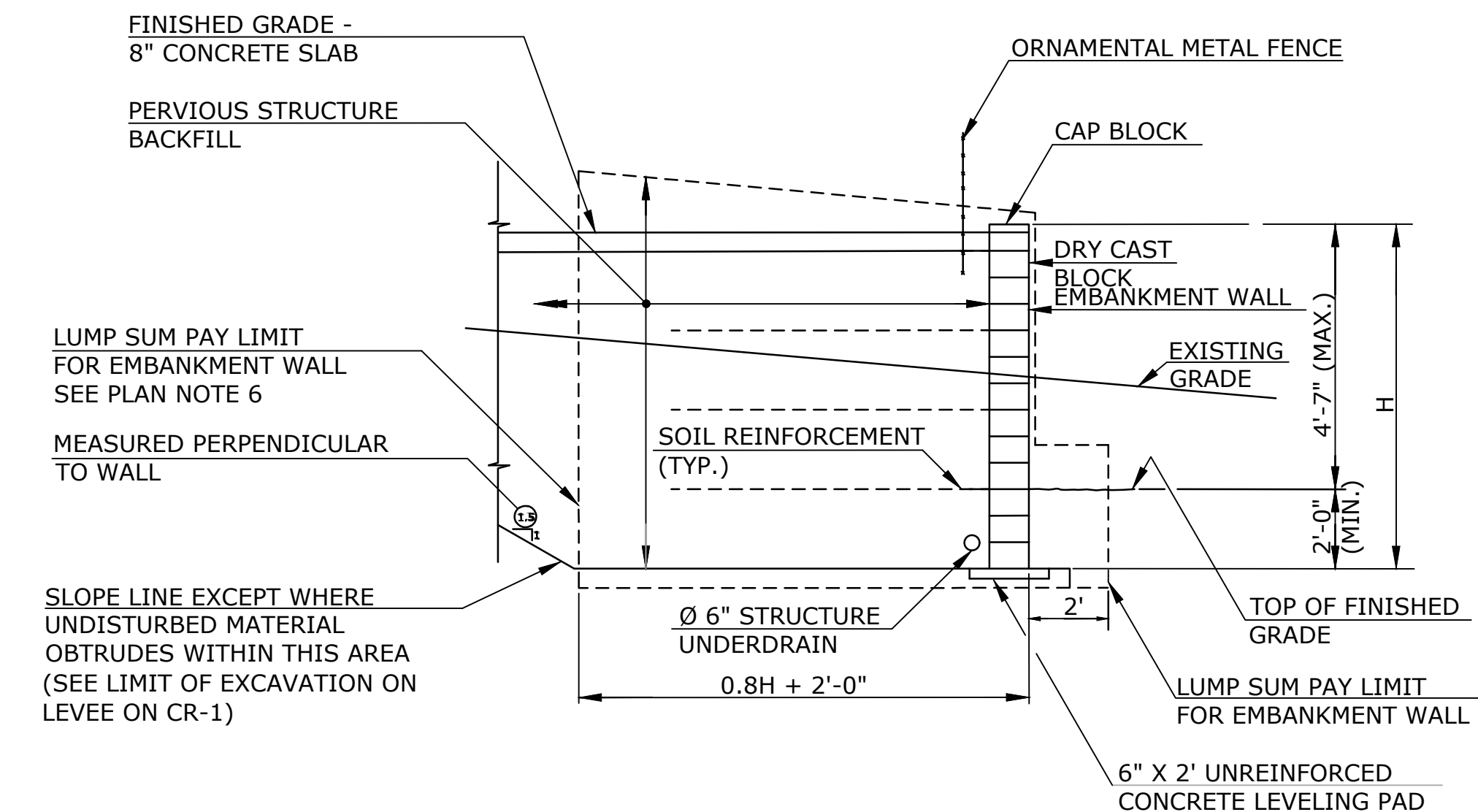
WORKING POINTS		
WORKING POINT	NORTHERLY	EASTERLY
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WP#2	684287.19	909563.90
WP#3	684296.51	909559.62
WP#4	684291.68	909573.67



**OBSERVATION PLAZA
EMBANKMENT WALL-SITE NO. 1 - PLAN
SCALE 1"=5'**



**EMBANKMENT WALL-SITE NO. 1 - ELEVATION
SCALE 1"=5'**



**EMBANKMENT WALL TYPICAL SECTION
NOT TO SCALE**

PLAN NOTES:

- The embankment wall shall be designed, detailed and constructed in accordance with the special provision "Embankment Wall- (Site No.1)". Do not overexcavate into flood control levee.
- The maximum allowable bearing pressure for the soil should be 1.5 tons per square foot.
- Details shown on this sheet are not specific. The contractor's designer should modify the section as needed.
- The contractor shall select, design (for proprietary walls only) and construct one of the wall options as listed in the special provision "Embankment Wall (Site No.1)". Color shall be VERSA-LOCK Harmony Retaining wall system in color "Allegheny blend" or equal. Submit shop drawings and design calculations to City of Ansonia for review approval.
- The contractor shall provide face block wall unit samples (for embankment wall site No.1) to the city of Ansonia for review and choosing which type face unit to be used along with specific color.
- Any additional pervious structure backfill required outside this limit shall also be included in the lump sum price.
- Structure underdrain and outlet for underdrain shall conform to the requirements of section 7.51 of Form 817. The work will be paid under item #0751821 - 6" structure underdrain and item #0751831 - 6" outlet for underdrain.
- See details on CR-1.

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DATE PLOTTED: 6/02/2020

DESIGNER/DRAFTER:
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SCALE IN FEET
SCALE 1"=10'

DeCarlo & Doll, Inc.
Professional Engineering & Land Surveying
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MERIDEN, CT 06451

PROJECT TITLE:
**CONSTRUCTION OF
ANSONIA RIVERWALK - SEGMENTS 3 & 4
PREPARED FOR THE CITY OF ANSONIA**

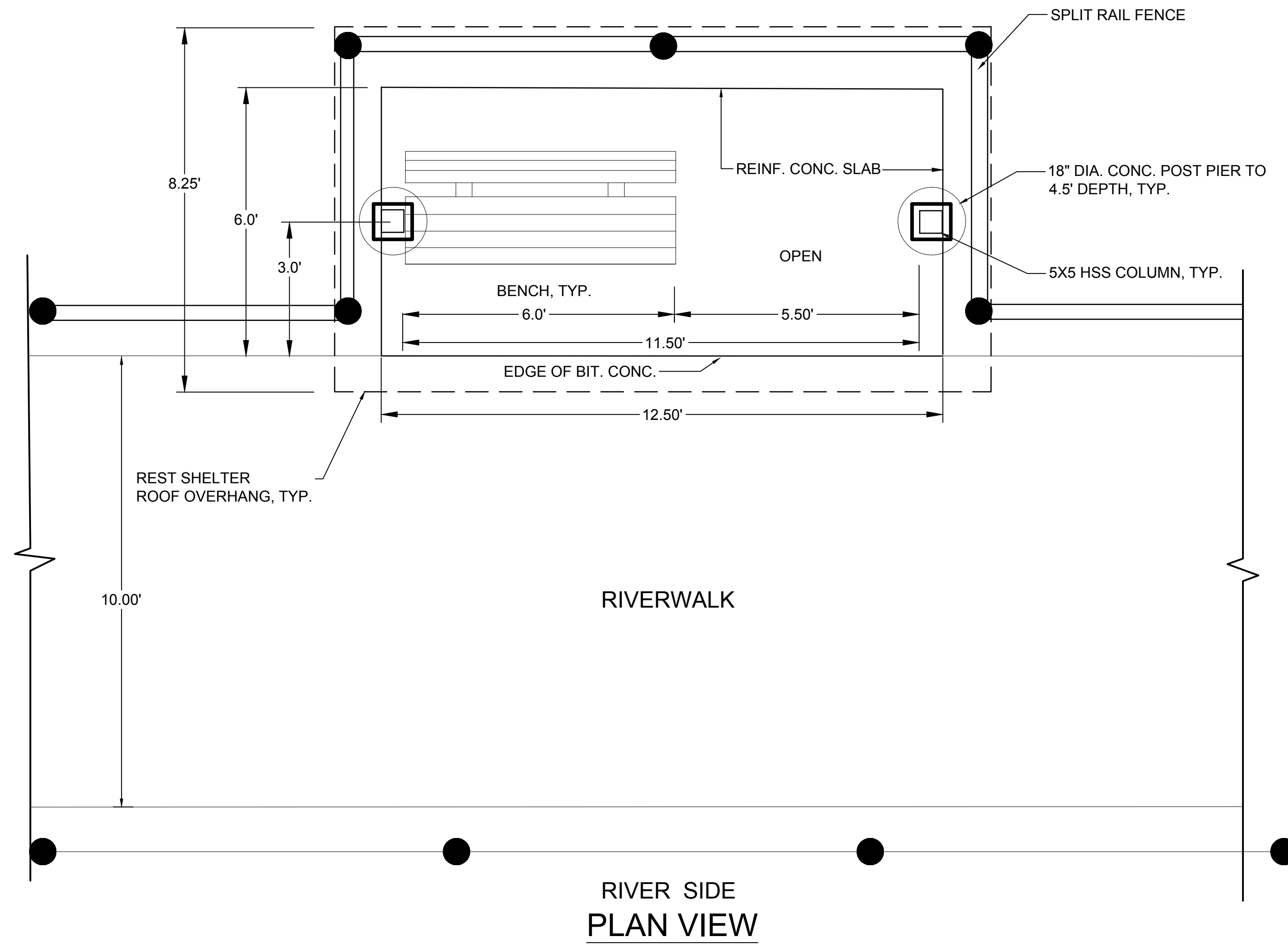
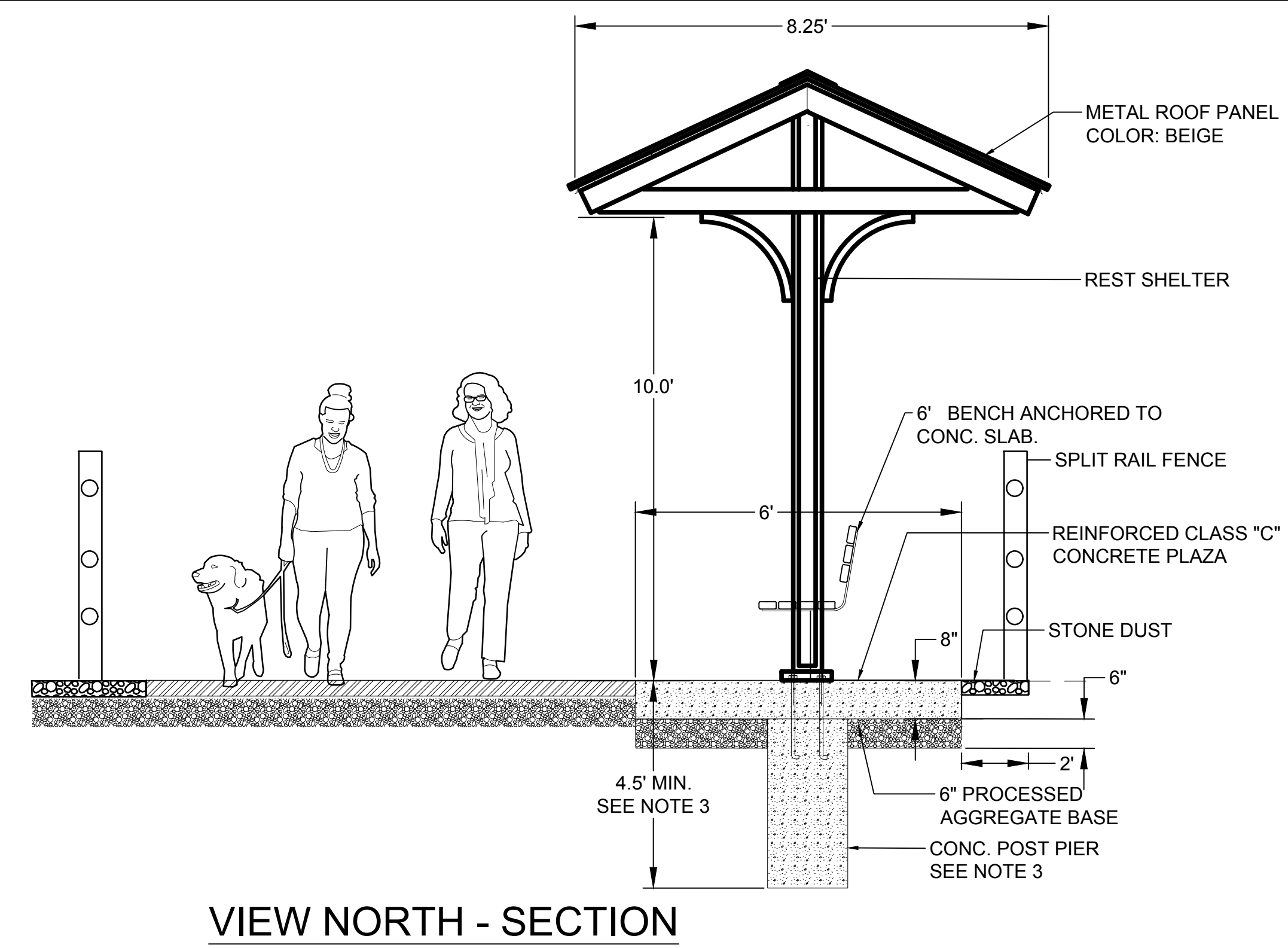
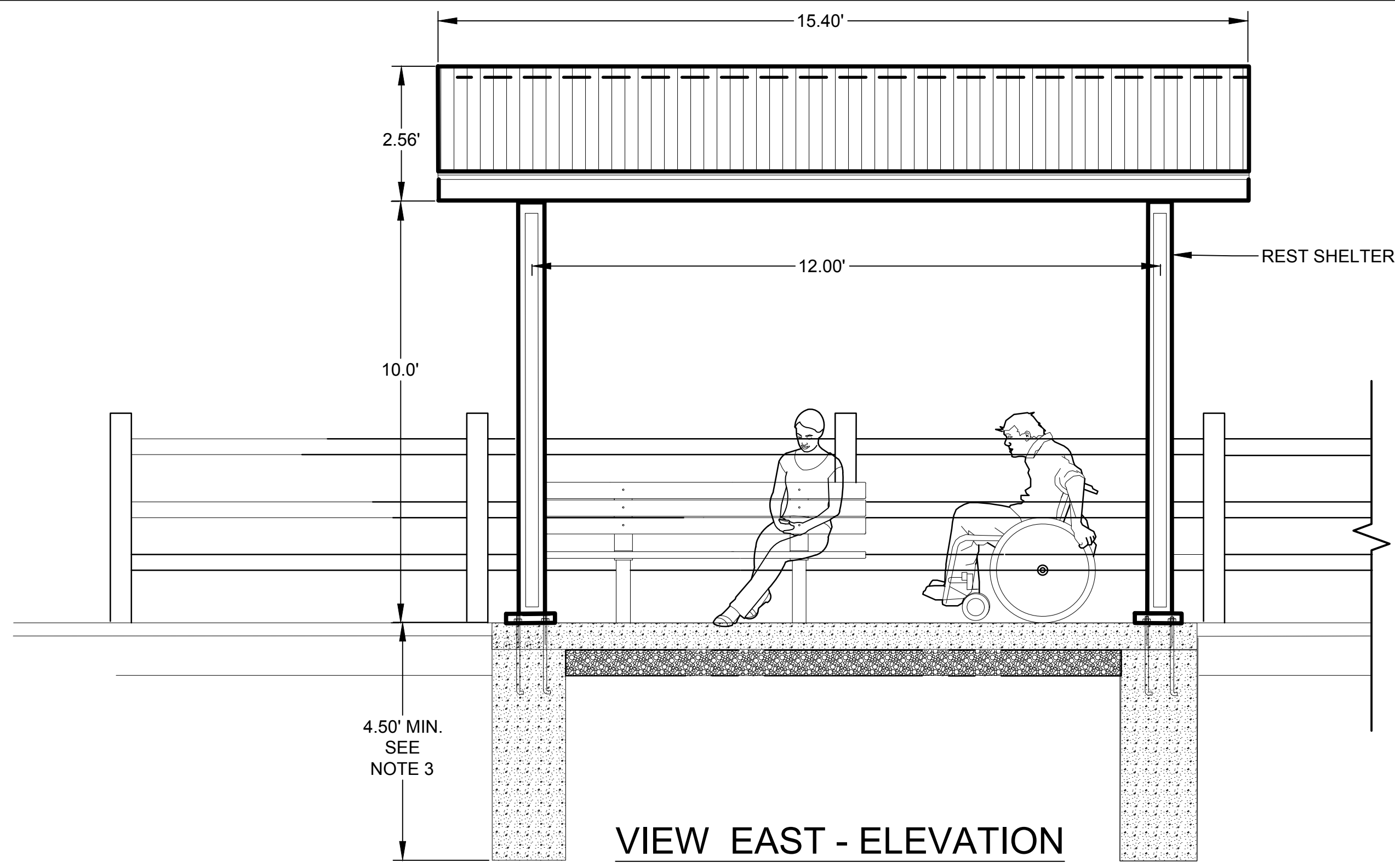
TOWN:
ANSONIA

DRAWING TITLE:
**EMBANKMENT WALL
(SITE NO. 1)**

PROJECT NO.:
02-128

DRAWING NO.:
DET-2

SHEET NO.:
03.07



GENERAL NOTES:

1. REST SHELTERS TO BE LOCATED STATION 39+80 AND 45+50.
2. REST SHELTERS INCLUDE A 6' BENCH AND ADJACENT OPEN ROOFED AREA FOR WHEEL CHAIR ACCESS OR BIKES WHEN NEEDED.
3. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND DESIGN CALCULATIONS SIGNED BY A CONNECTICUT LICENSED PROFESSIONAL ENGINEER THAT THE REST SHELTER MEETS THE CONNECTICUT BUILDING CODE REQUIREMENTS FOR WIND LOAD AND SNOW LOADING INCLUDING STRUCTURE, MOUNTING BOLTS, AND FOUNDATIONS.

C:\Projects\DD Projects\51912 Ansonia Riverwalk_Sec 3 and 4\Design\Landscape Drawings\L-1 & L-2 Site Details.dwg

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.
1	11/15/19	REVISED PER USACE COMMENTS	

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SCALE AS NOTED

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MERIDEN, CT 06451

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CONSTRUCTION OF ANSONIA RIVERWALK - SEGMENTS 3 & 4 PREPARED FOR THE CITY OF ANSONIA

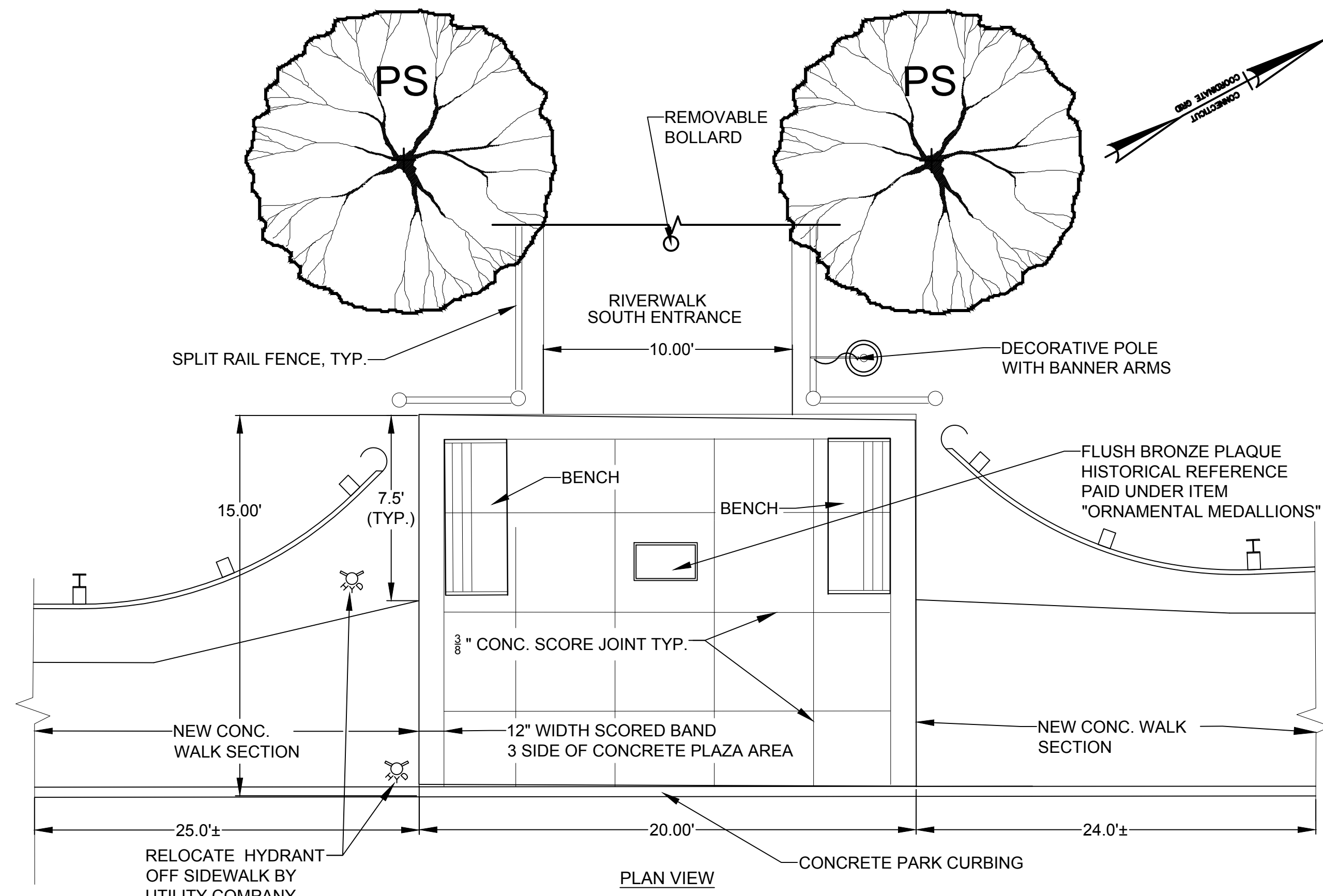
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ANSONIA

DRAWING TITLE:
REST SHELTER

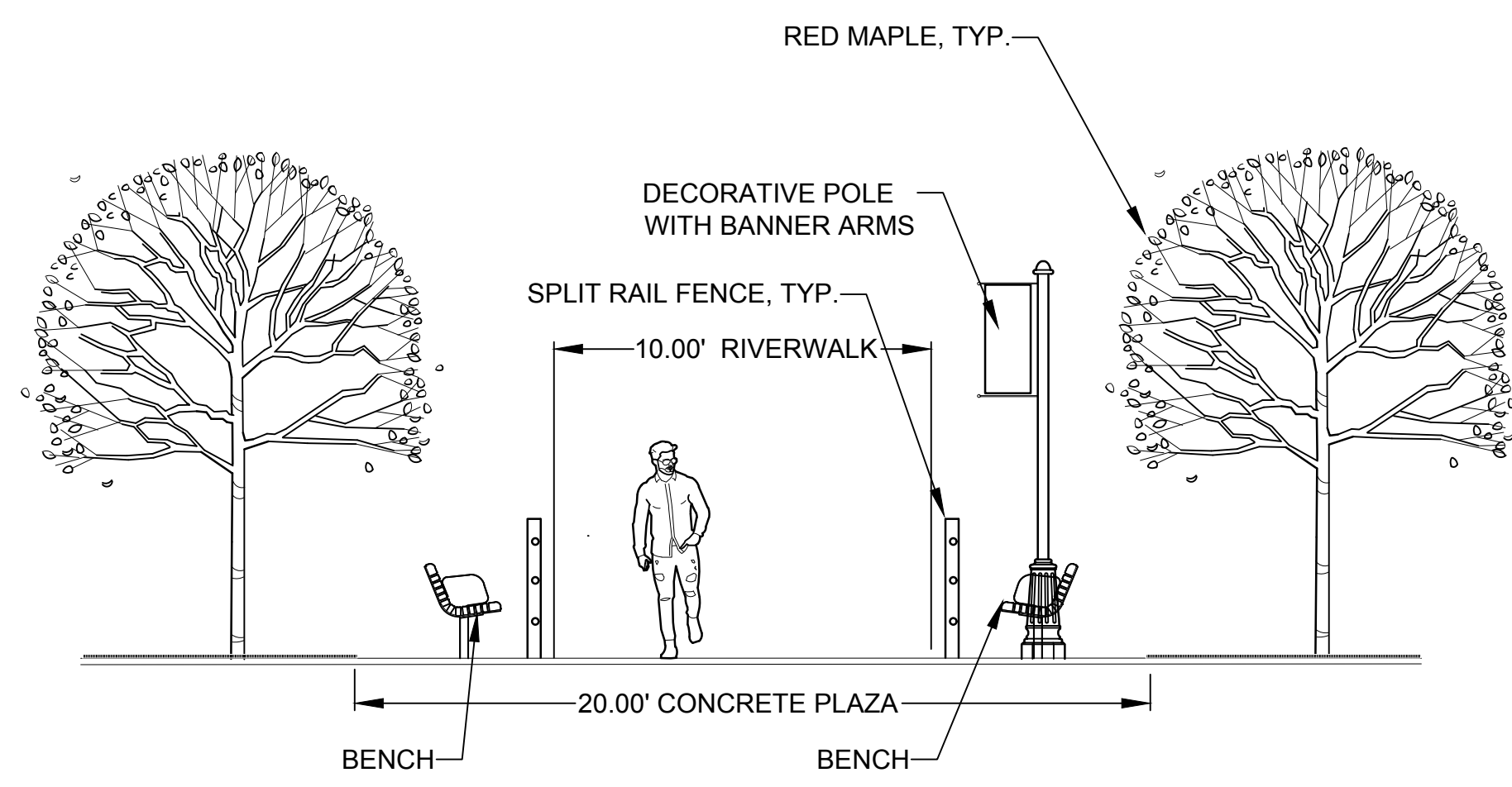
PROJECT NO.:
02-128

DRAWING NO.:
L-1

SHEET NO.:
03.08



MAIN STREET - SOUTH ENTRANCE (CONCRETE PLAZA)

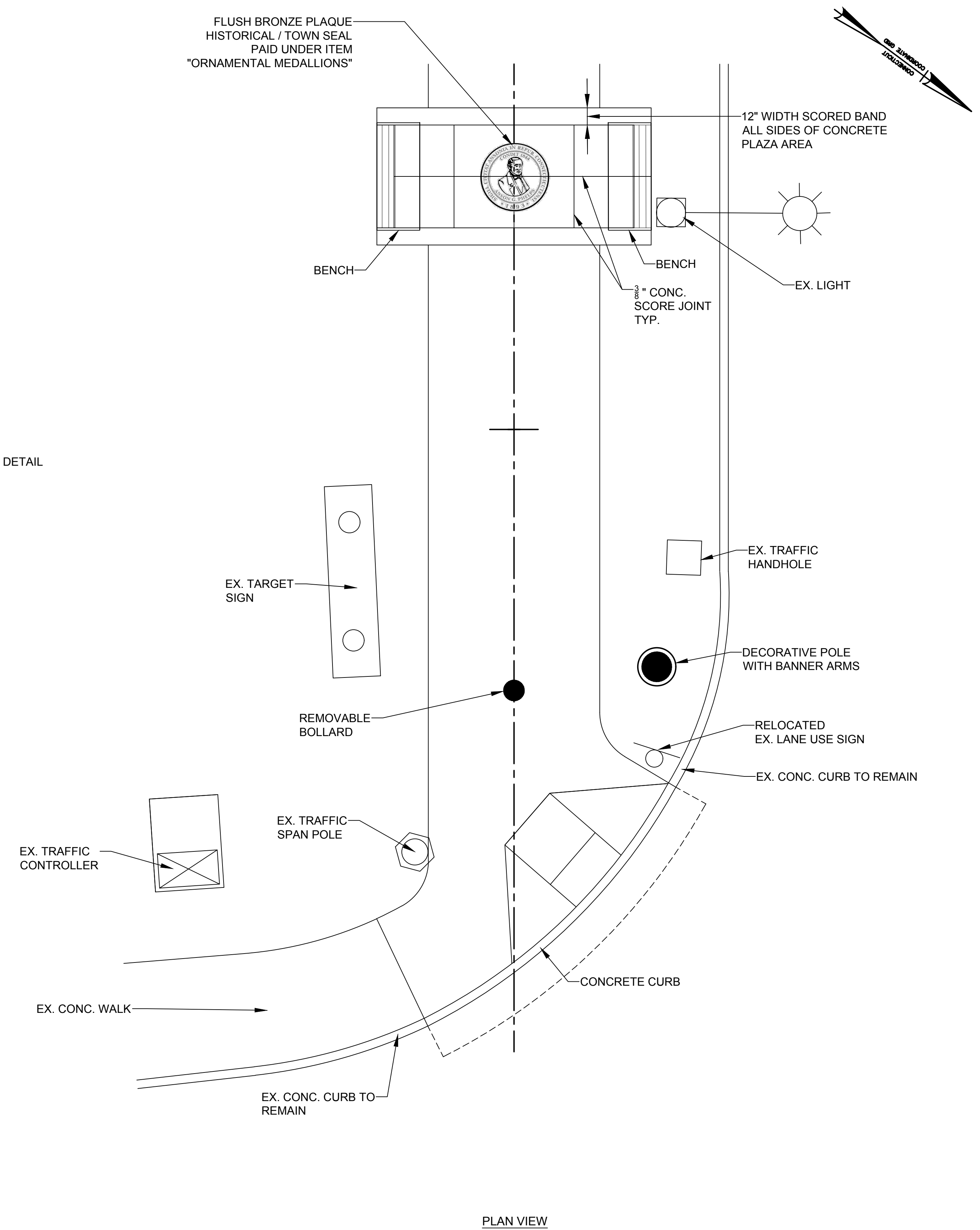


ELEVATION - TYPICAL

PLANT SCHEDULE

KEY	QUAN.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
PS	2	PRUNUS SERRULATA	KWANZAN CHERRY	2-1/2"-3" cal. B&B		FULL, HIGH BRANCH

NOTE
SEE CONCRETE PLAZA DETAIL
ON DRAWING L-4.



MAIN STREET- NORTH ENTRANCE (CONCRETE PLAZA)

C:\Projects\DD Projects\51512 Ansonia Riverwalk_Sec 3 and 4\Design_Landscape Drawings\L-1 & L-2 Site Details.dwg

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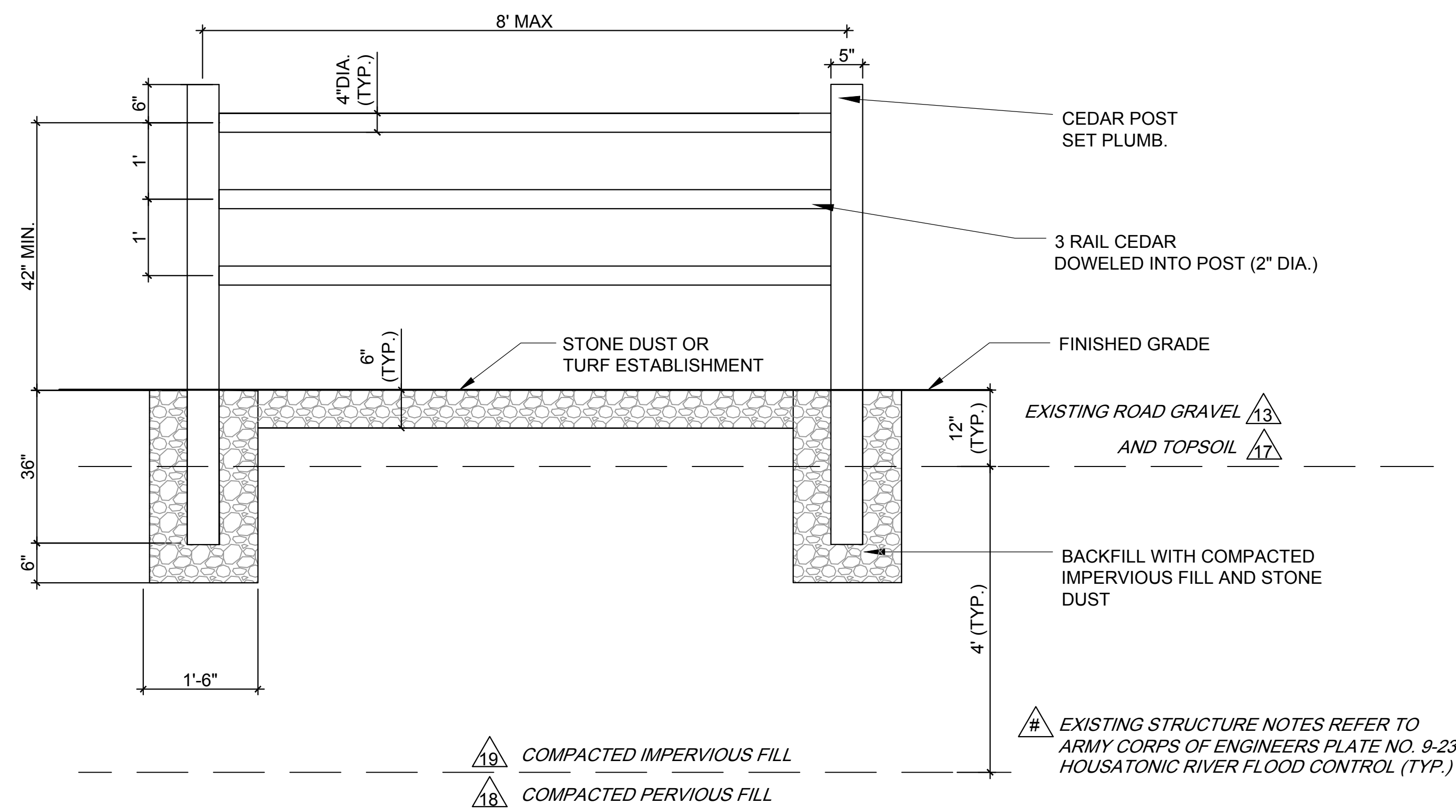
TOWN:
ANSONIA

DRAWING TITLE:
ENTRY PLAZAS

PROJECT NO.:
02-128

DRAWING NO.:
L-2

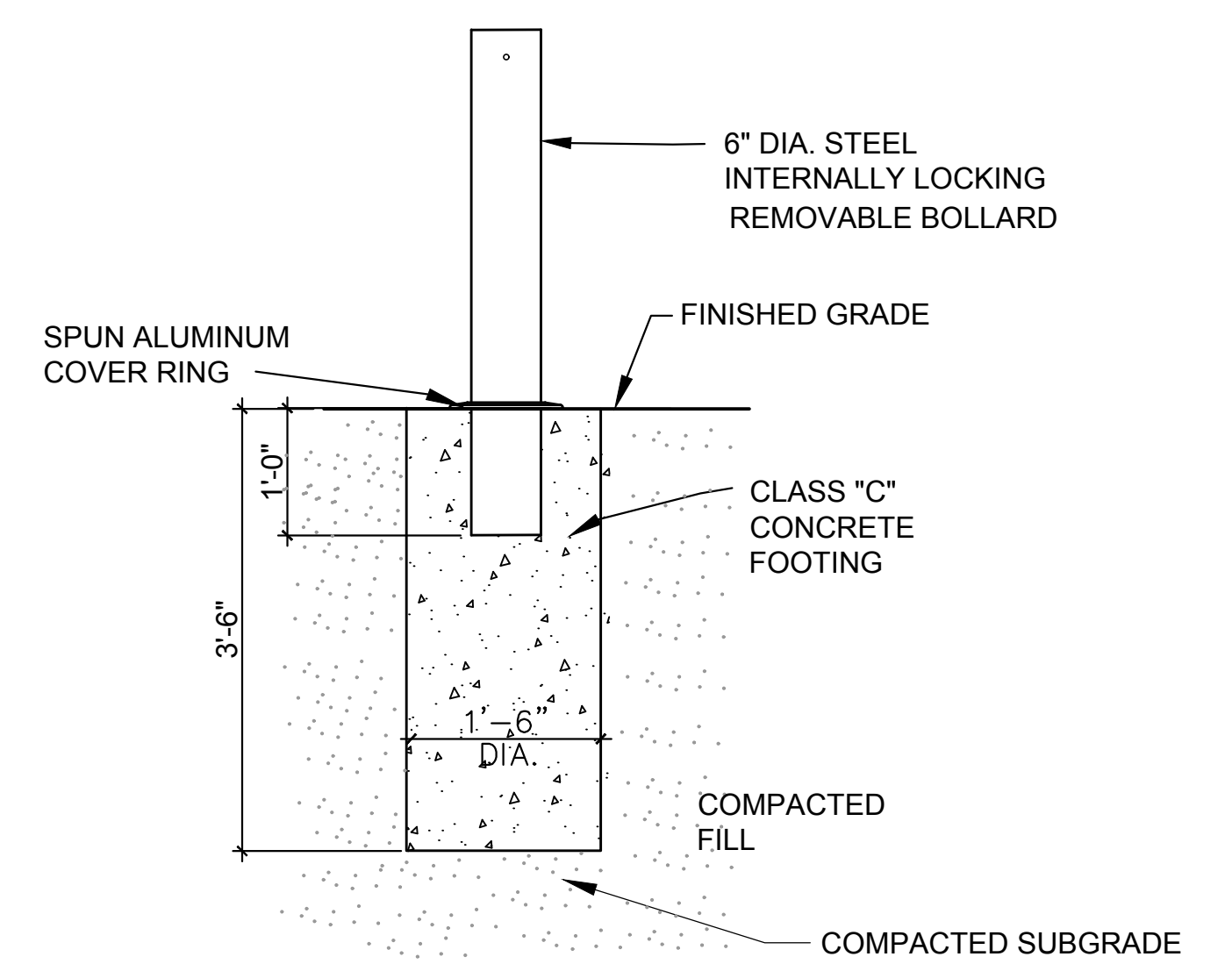
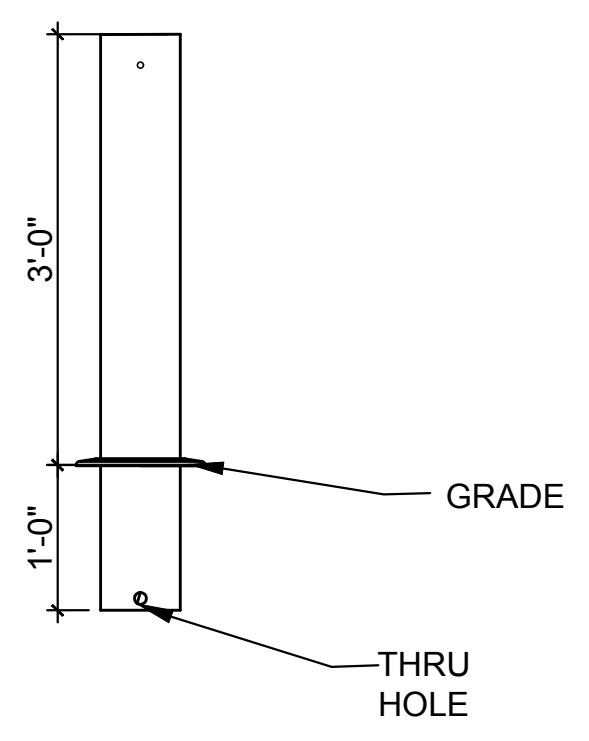
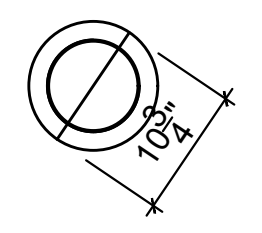
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SPLIT RAIL FENCE SECTION

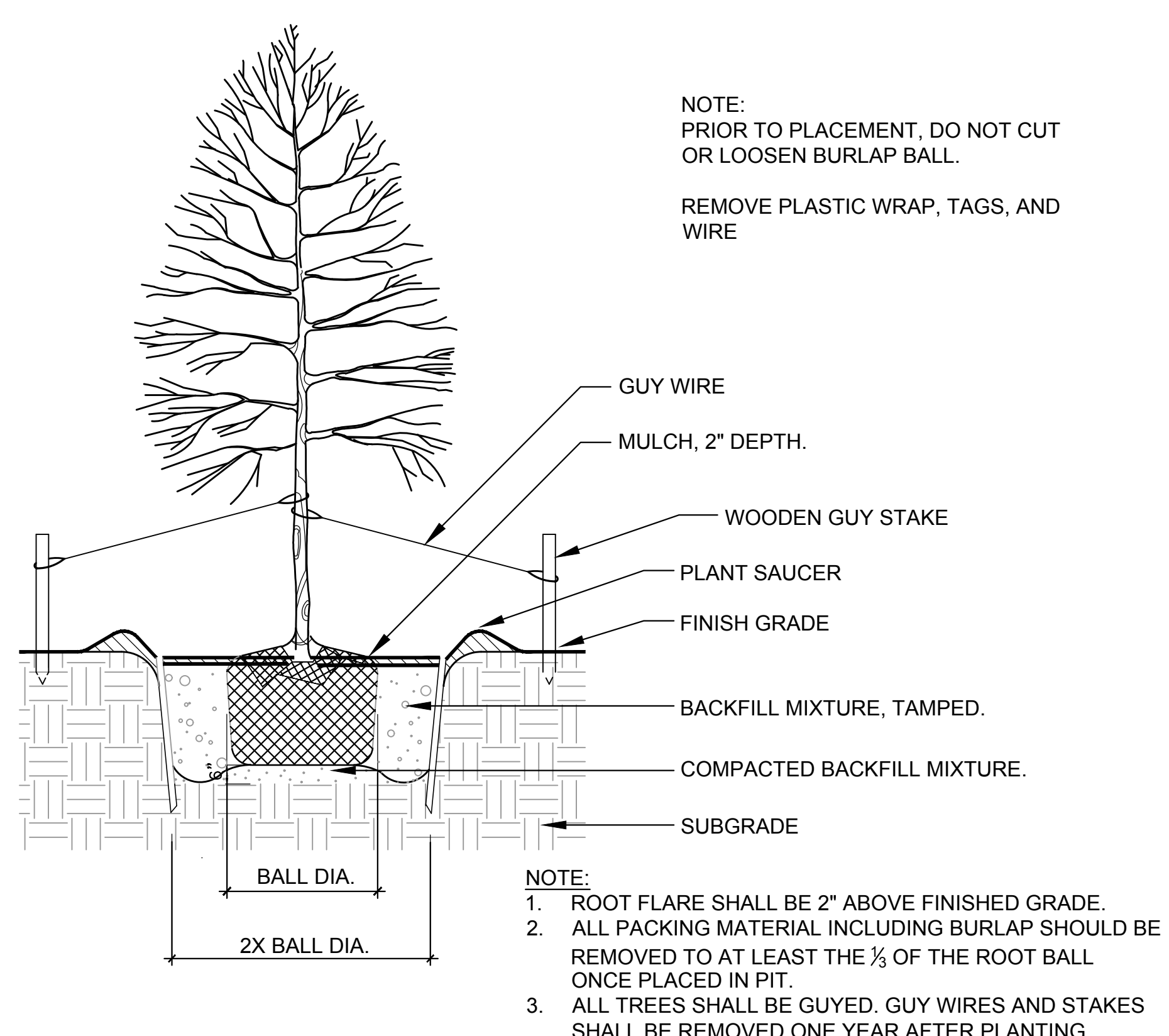
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▲ 19 COMPACTED IMPERVIOUS FILL
 ▲ 18 COMPACTED PERVIOUS FILL
 # EXISTING STRUCTURE NOTES REFER TO ARMY CORPS OF ENGINEERS PLATE NO. 9-23 HOUSATONIC RIVER FLOOD CONTROL (TYP.)



BOLLARD (REMOVABLE)

NTS

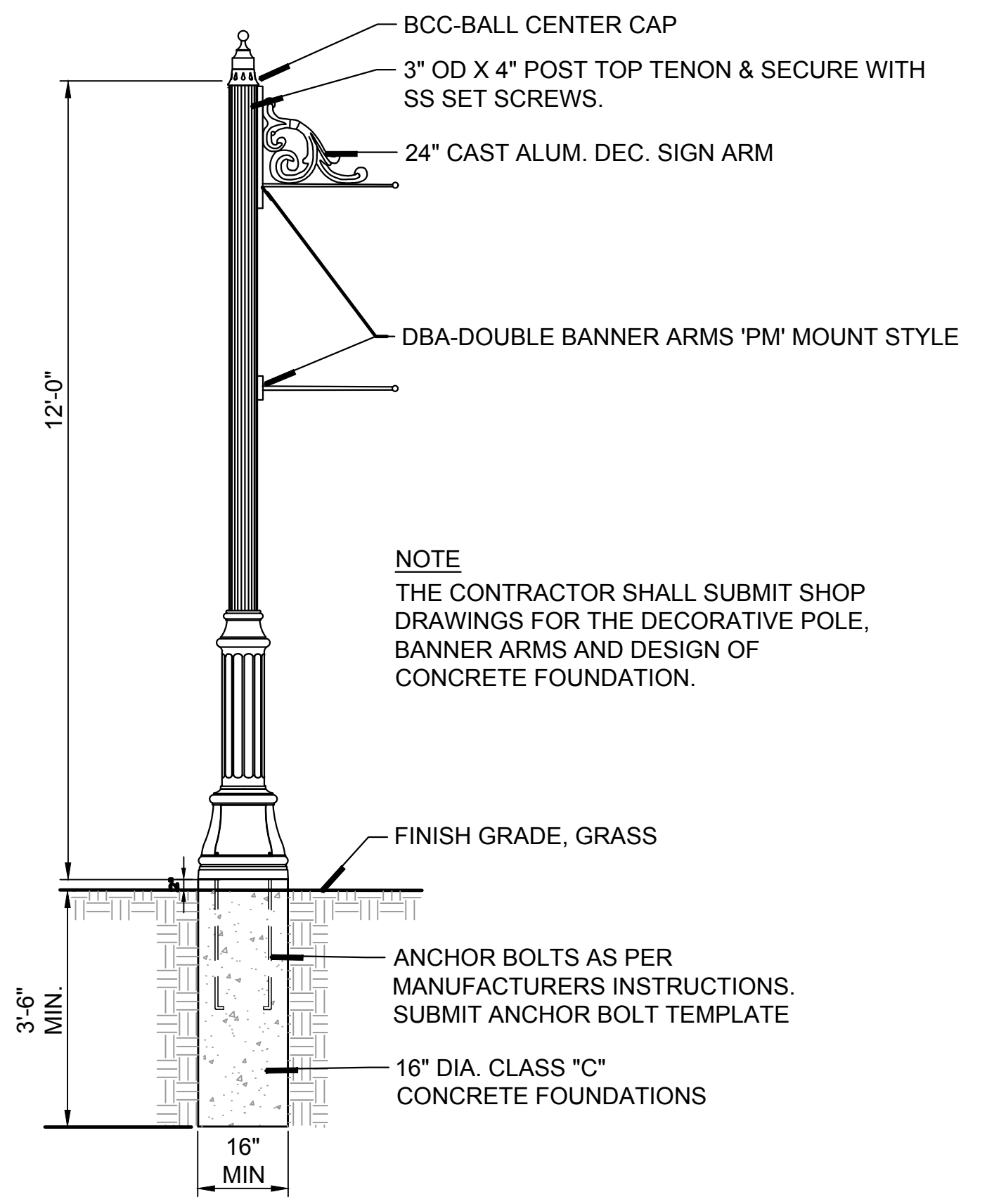


TYPICAL TREE PLANTING

NTS

NOTE:
 PRIOR TO PLACEMENT, DO NOT CUT OR LOOSEN BURLAP BALL.
 REMOVE PLASTIC WRAP, TAGS, AND WIRE

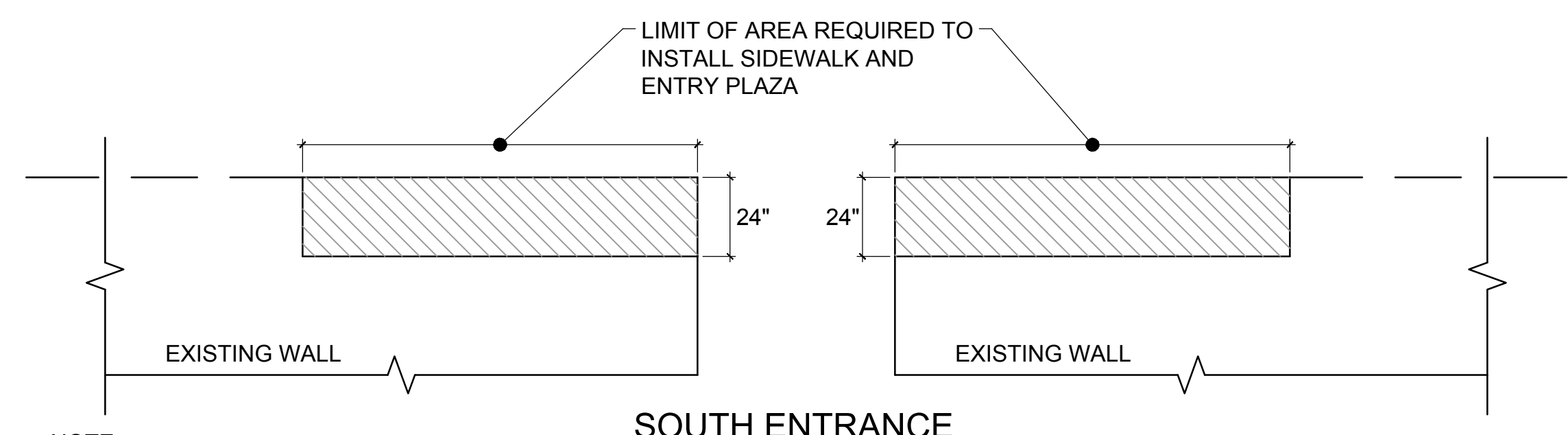
NOTE:
 1. ROOT FLARE SHALL BE 2" ABOVE FINISHED GRADE.
 2. ALL PACKING MATERIAL INCLUDING BURLAP SHOULD BE REMOVED TO AT LEAST THE 1/3 OF THE ROOT BALL ONCE PLACED IN PIT.
 3. ALL TREES SHALL BE GUYED. GUY WIRES AND STAKES SHALL BE REMOVED ONE YEAR AFTER PLANTING.



DECORATIVE POLE AND BANNER ARMS

NTS

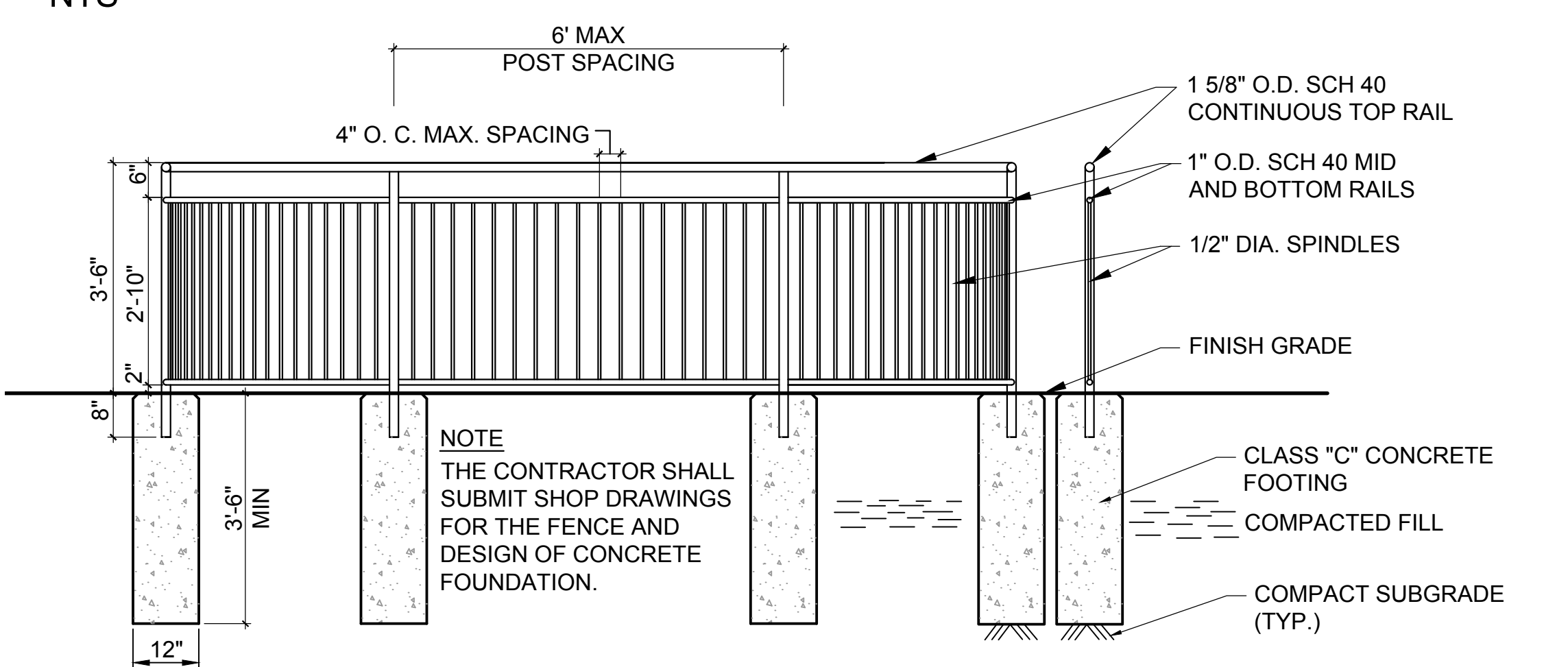
NOTE
 THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR THE DECORATIVE POLE, BANNER ARMS AND DESIGN OF CONCRETE FOUNDATION.



EXISTING WALL MODIFICATION DETAIL

NTS

NOTE:
 REMOVAL TO BE PAID FOR UNDER THE ITEM "REMOVAL OF EXISTING MASONRY"



ORNAMENTAL METAL FENCE AT RIVER OVERLOOK

NTS

NOTE
 THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR THE FENCE AND DESIGN OF CONCRETE FOUNDATION.

C:\Projects\DD Projects\51512 Ansonia Riverwalk_Sec 3 and 4\Design\Landscape Drawings\L-3 & L-4_Site Details.dwg

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	DATE PLOTTED:
1	11/15/19	REVISED PER USACE COMMENTS		6/02/2020

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PROJECT TITLE:
CONSTRUCTION OF ANSONIA RIVERWALK - SEGMENTS 3 & 4 PREPARED FOR THE CITY OF ANSONIA

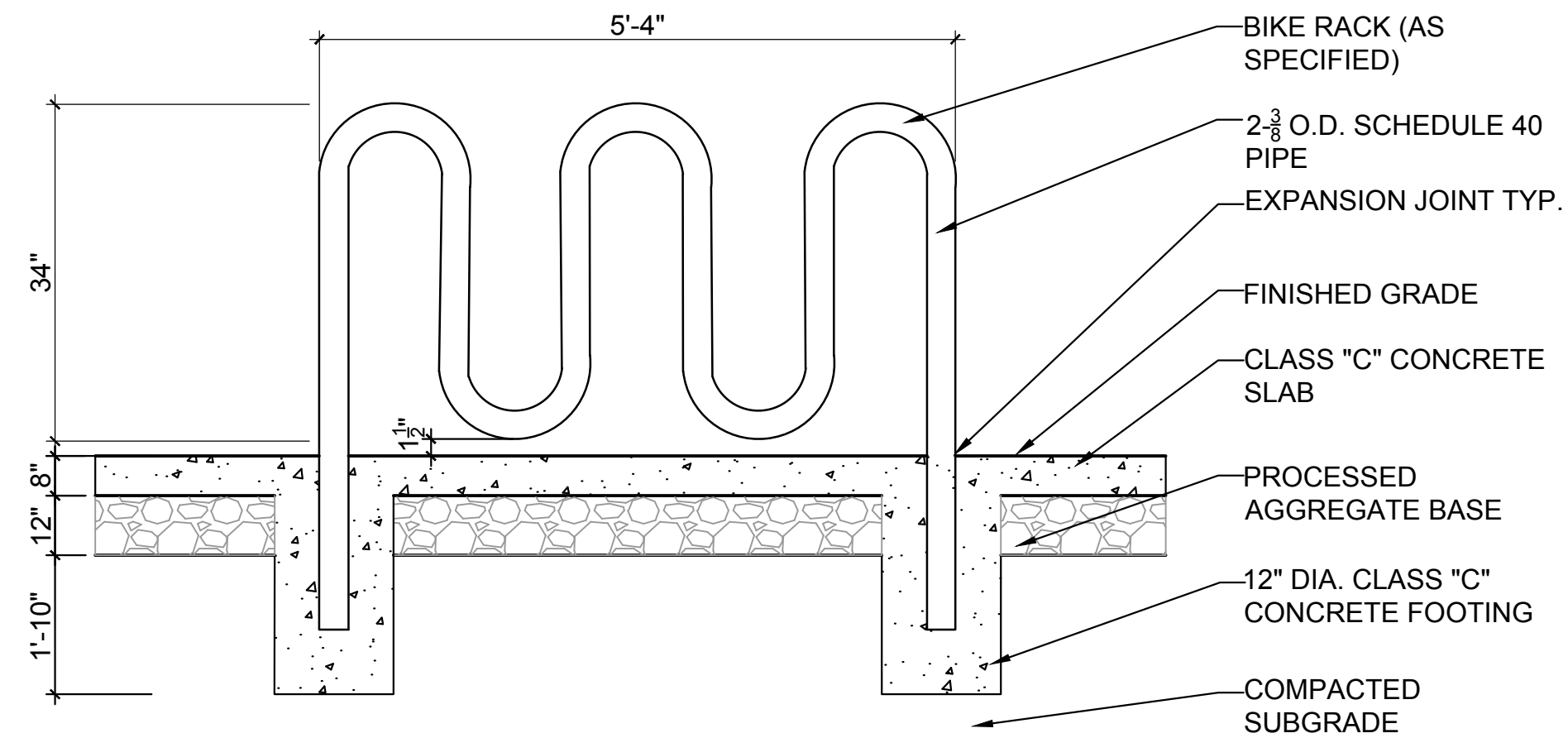
TOWN:
ANSONIA

DRAWING TITLE:
SITE DETAILS

PROJECT NO.:
02-128

DRAWING NO.:
L-3

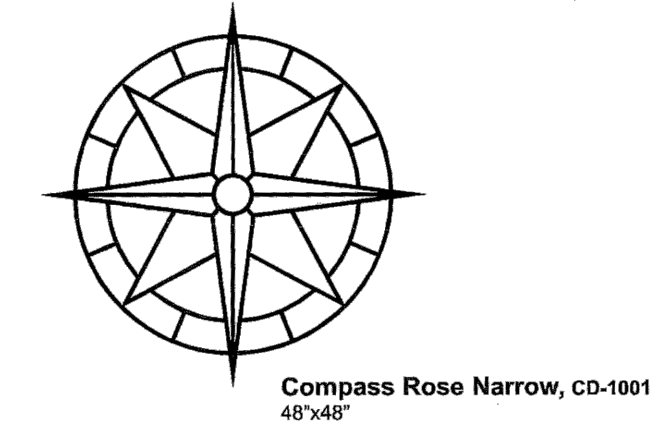
SHEET NO.:
03.10



NOTE:
BIKE RACK TO BE PAID FOR UNDER
THE ITEM "BICYCLE STAND"

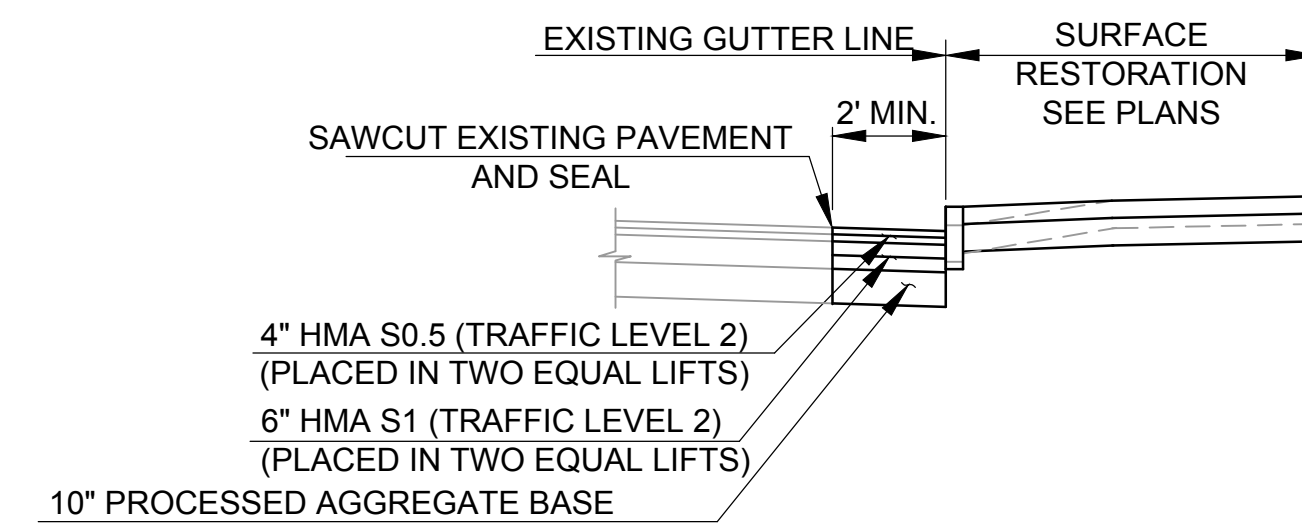
BIKE RACK DETAIL

NTS



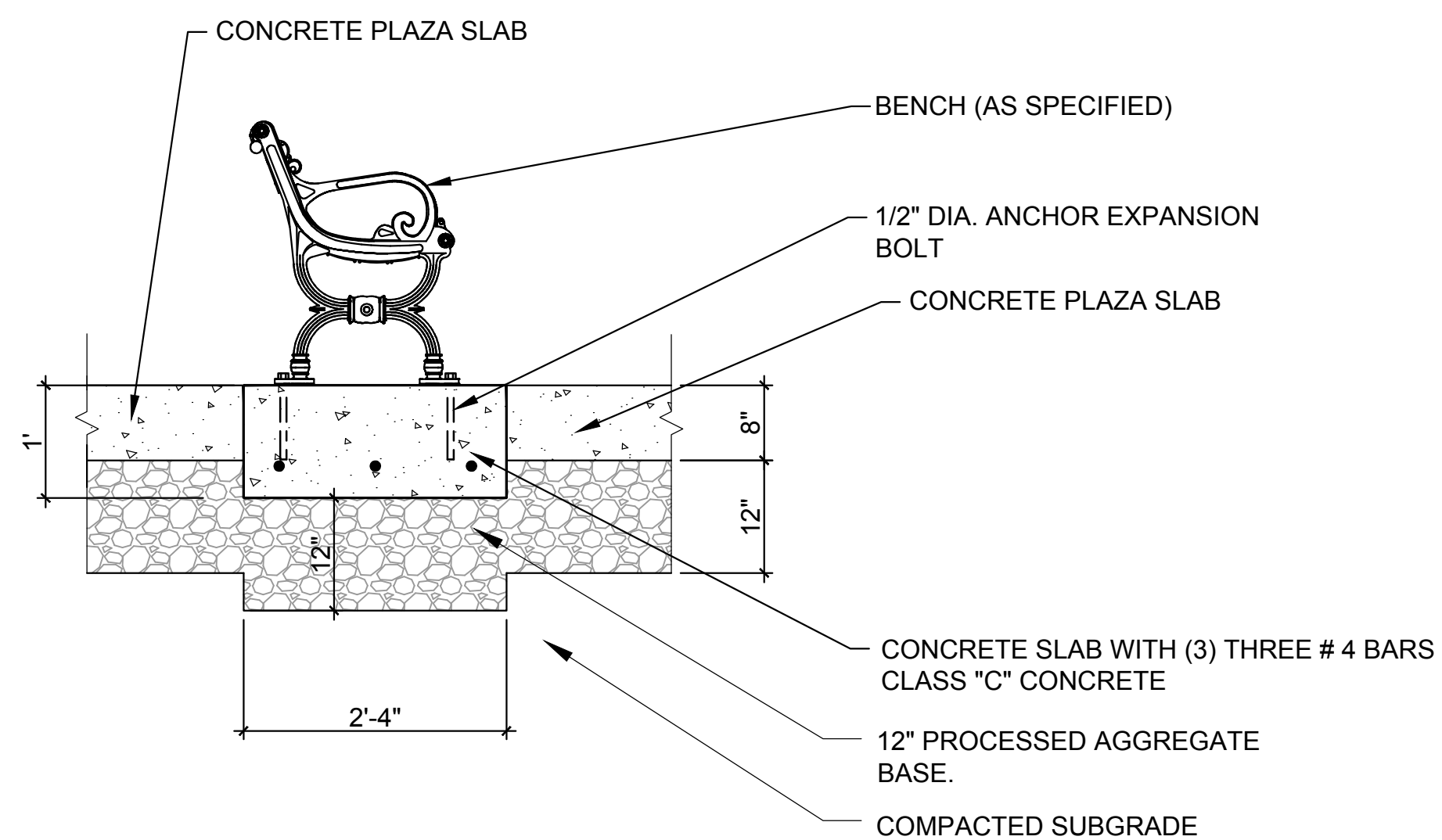
48"x48" COMPASS ROSE NARROW DETAIL

NTS



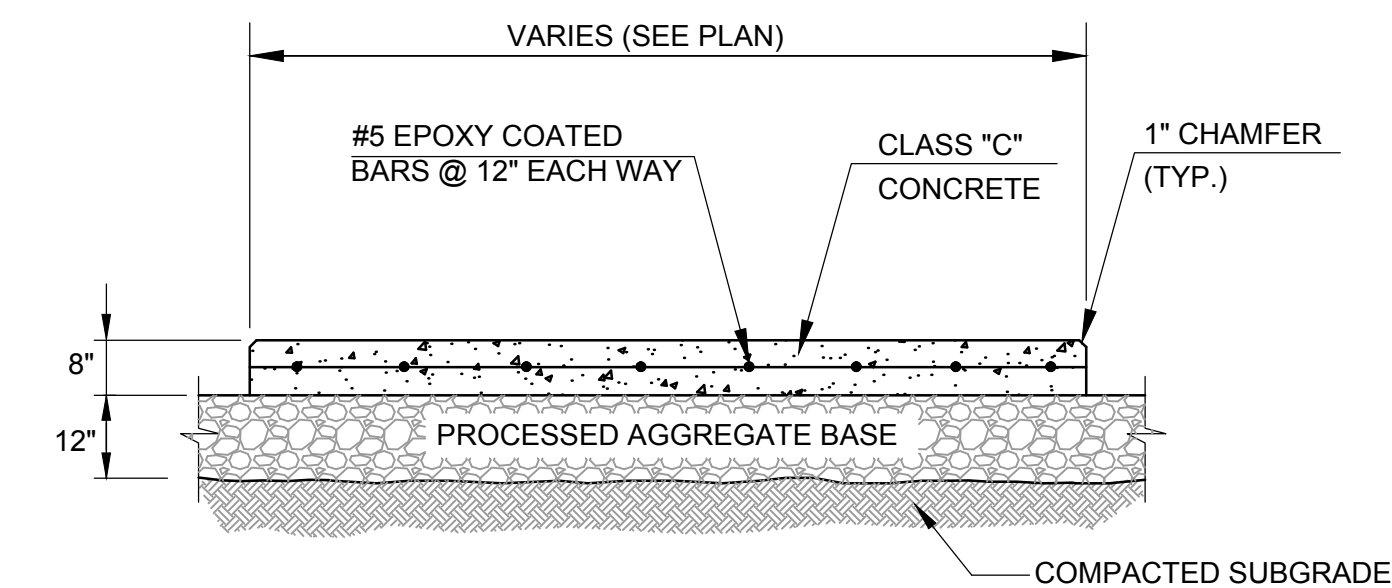
PAVEMENT RESTORATION DETAIL

NTS



BENCH DETAIL

NTS



NOTE: DOWEL CONCRETE SIDEWALK INTO ADJACENT
EXISTING SIDEWALK

CONCRETE PLAZA, REST SHELTER OVERLOOK SLAB DETAIL

NTS

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PROJECT TITLE:
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ANSONIA RIVERWALK - SEGMENTS 3 & 4
PREPARED FOR THE CITY OF ANSONIA**

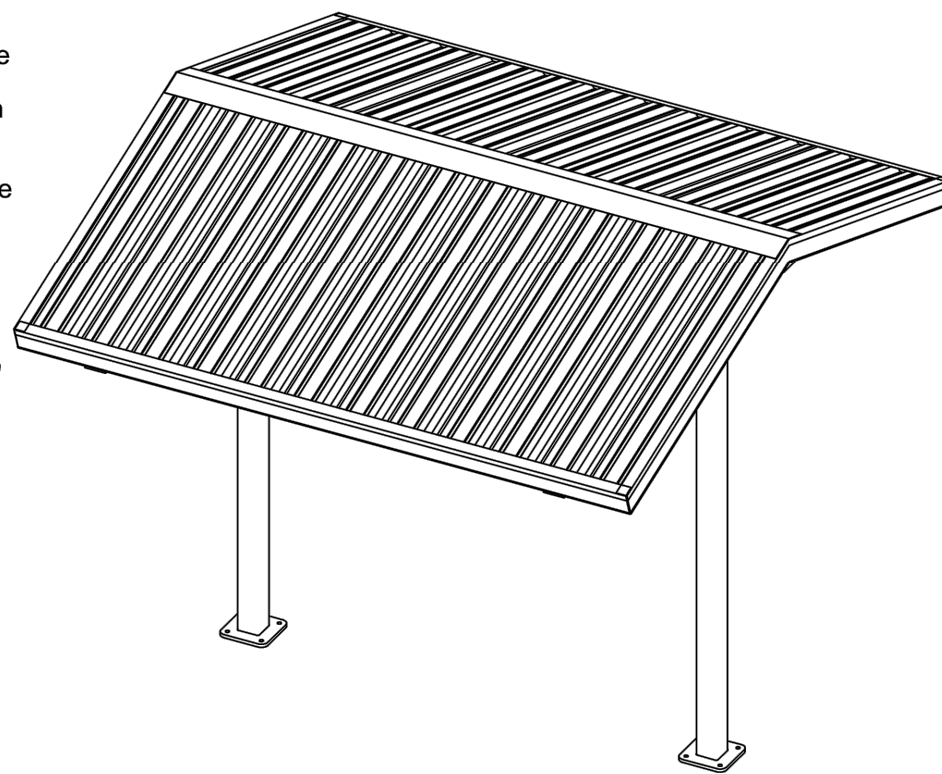
TOWN:
ANSONIA
DRAWING TITLE:
SITE DETAILS

PROJECT NO.:
02-128
DRAWING NO.:
L-4
SHEET NO.:
03.11

Material Specifications and Notes:
 1. All structural steel tubing shall be ASTM A-500 Grade B-C
 2. All other steel (plates, gussets, etc.) shall be ASTM A-36.
 3. All welding is to be done in accordance with the latest AWS standards.
 4. Standard bolts to be ASTM A-325 & threaded rod to be ASTM B-7 unless otherwise noted.
 5. All fabricated steel & structural tubes are blasted to a near-white condition prior to application of primer and top coat.
 -Primer: Zinc Rich
 -Top coat: TGIC powder coating
 6. Metal roofing shall be pre-cut 24ga. x 1 1/4" dp x 36" wide, Fy = 50ksi steel panels.

Erection Notes:
 All members must be properly braced until the complete structural system has been constructed. Bracing material and method is the responsibility of the G.C.

This building has been designed as a free standing, open structure. If walls or other modifications are to be made, the structure must be re-engineered prior to these modifications.



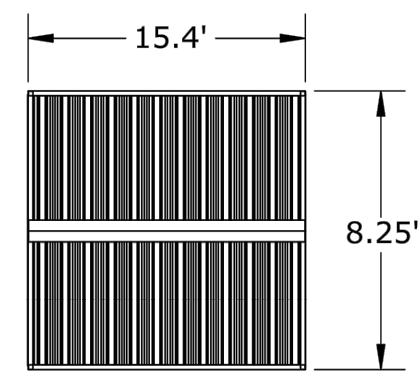
15.4' x 8.25' Gable End Mini Shelter
 10.0' Eave Height
 4:12 Pitch
 SUB-SURFACE MOUNTED COLUMNS

N.I.C. = NOT IN CONTRACT
 G.C. = GENERAL CONTRACTOR

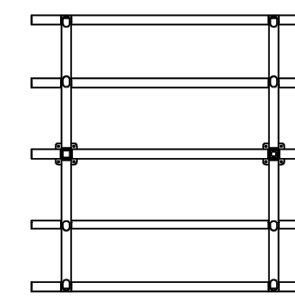
GENERAL SPECS AND NOTES

NTS

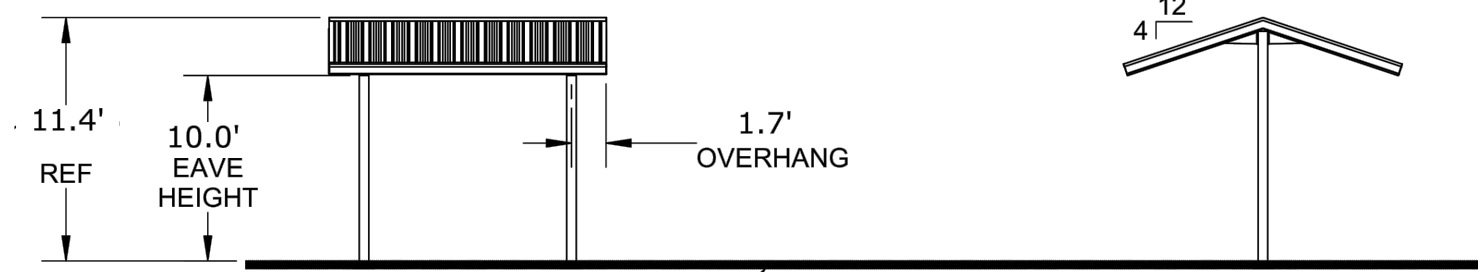
Page #	Description
1	General Specs and Notes
2	Primary Structural Views
3	Footer/Anchor Illustration
4	Footer/Anchor Illustration
5	Member/Connection Callouts
6	Connections Details
7	Roof Panel Layout
8	Roof Screw Schedule
9	Eave/Rake Detail
10	Purlin/Ridge Detail
11	Section Detail
12	Trim Installation Details



Top View



Top View (Frame Only)



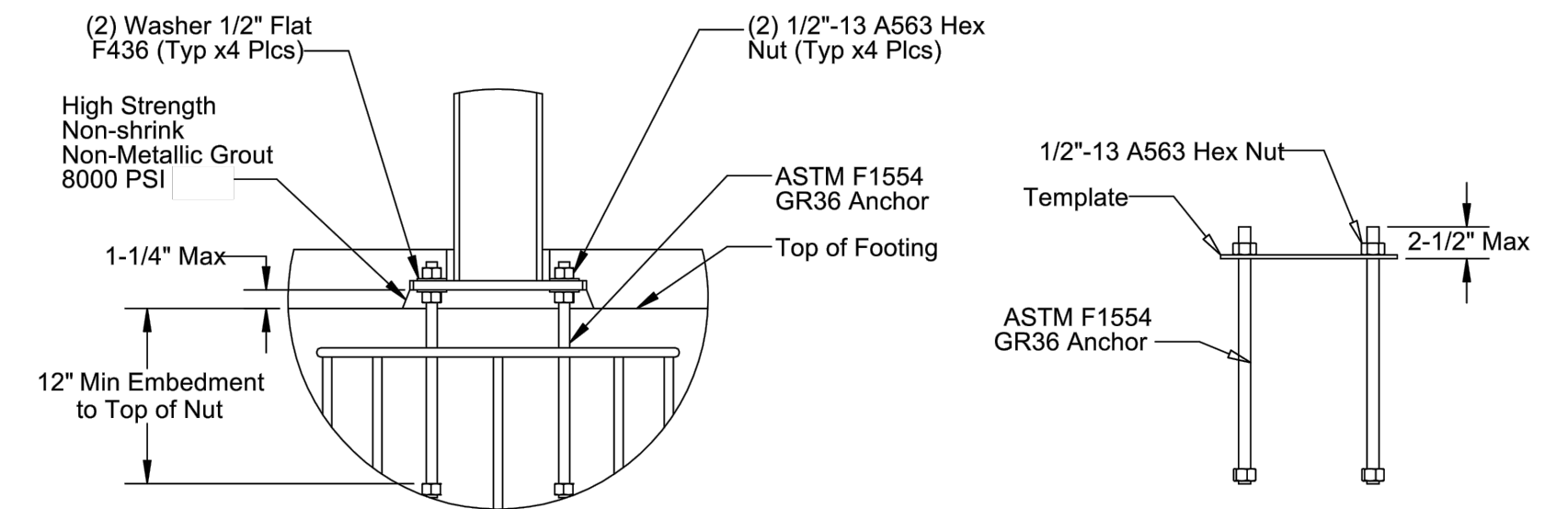
Front View

Side View

PRIMARY STRUCTURAL VIEWS

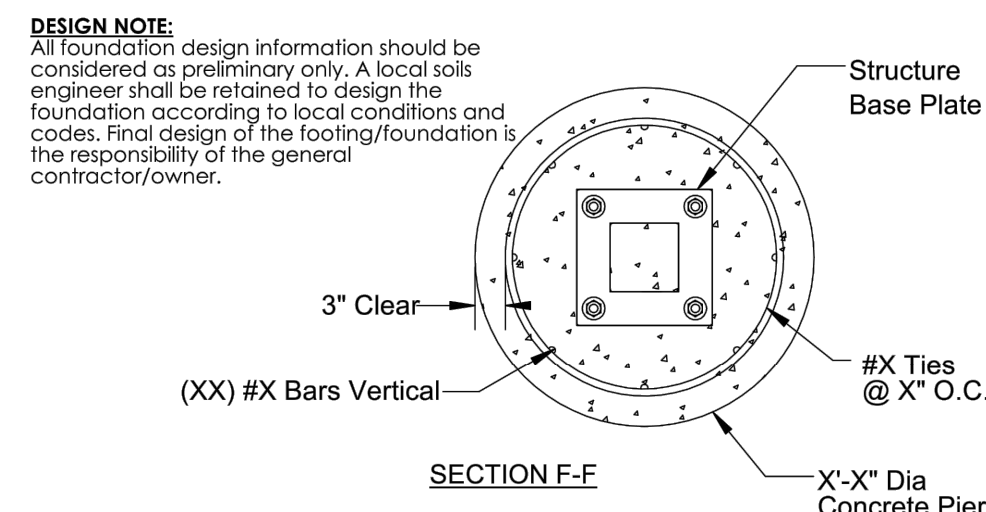
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DESIGN NOTE:
 All foundation design information should be considered as preliminary only. A local soils engineer shall be retained to design the foundation according to local conditions and codes. Final design of the footing/foundation is the responsibility of the general contractor/owner.

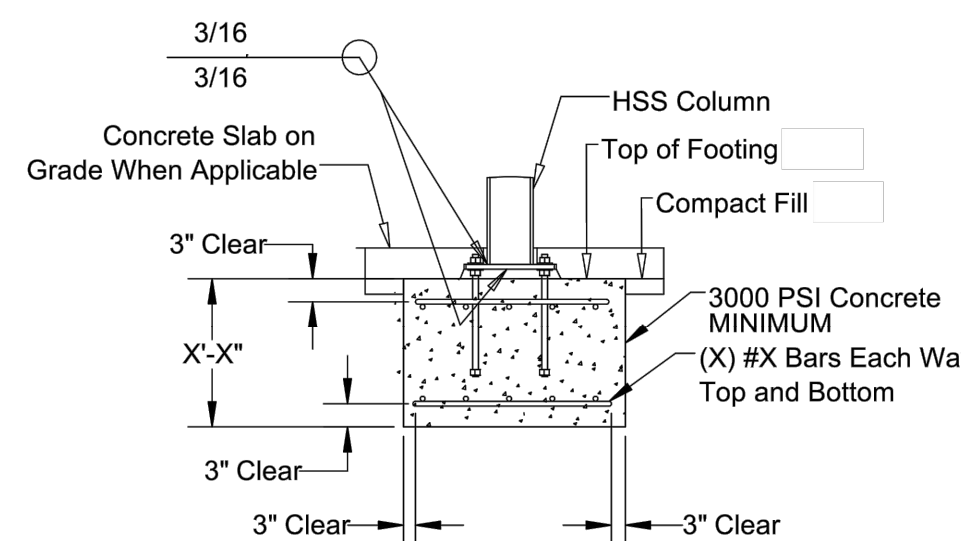


FOOTER/ANCHOR ILLUSTRATION

NTS



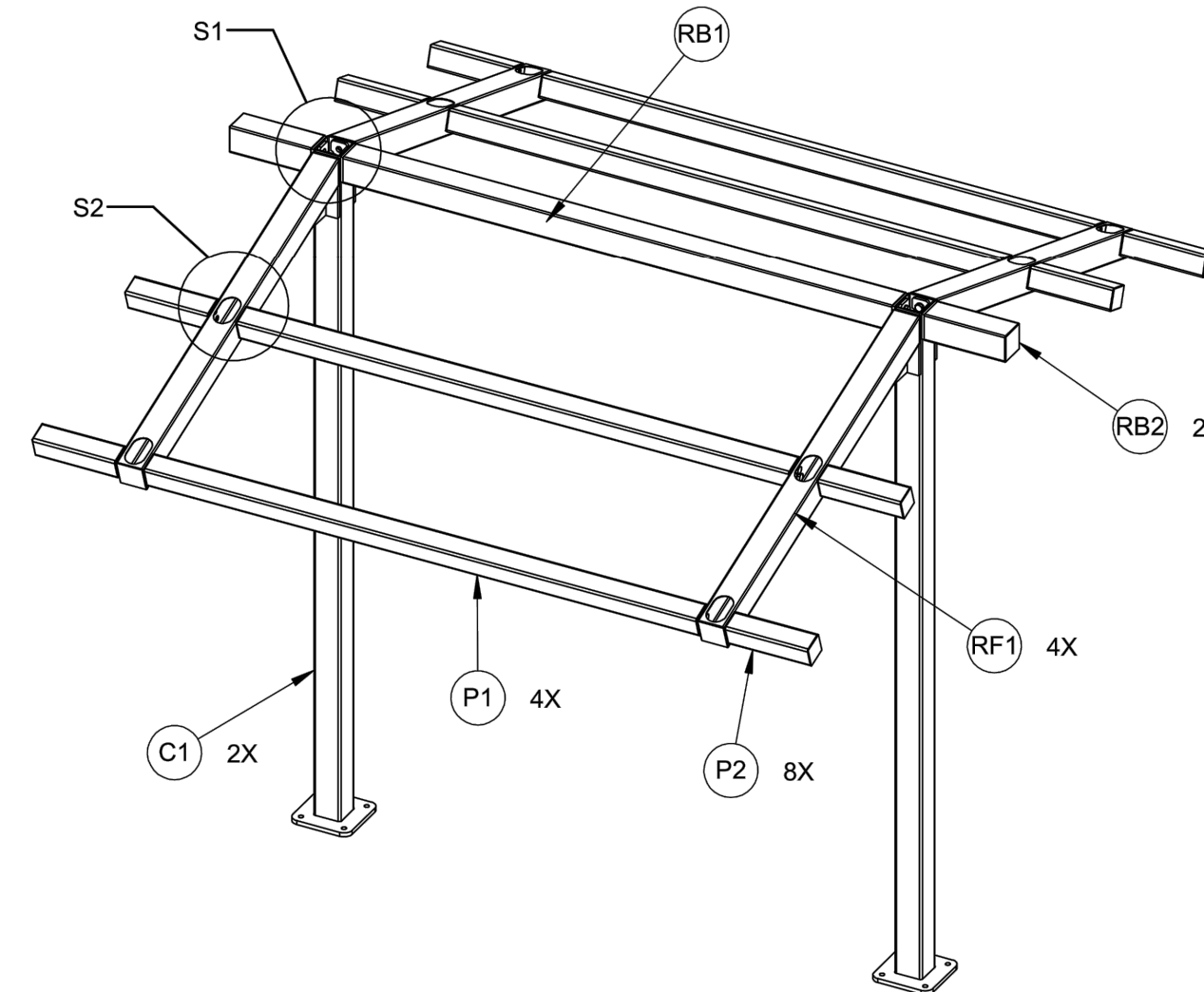
DRILLED PIER FOOTING DESIGN



SPREAD FOOTING DESIGN

FOOTER/ANCHOR ILLUSTRATION

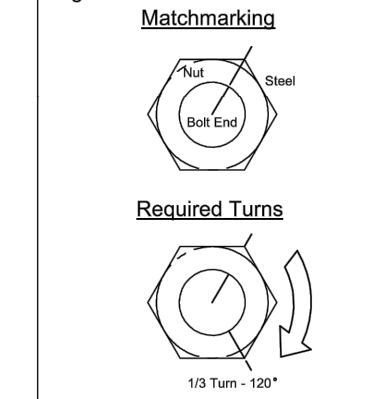
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MEMBER/CONNECTION CALLOUTS

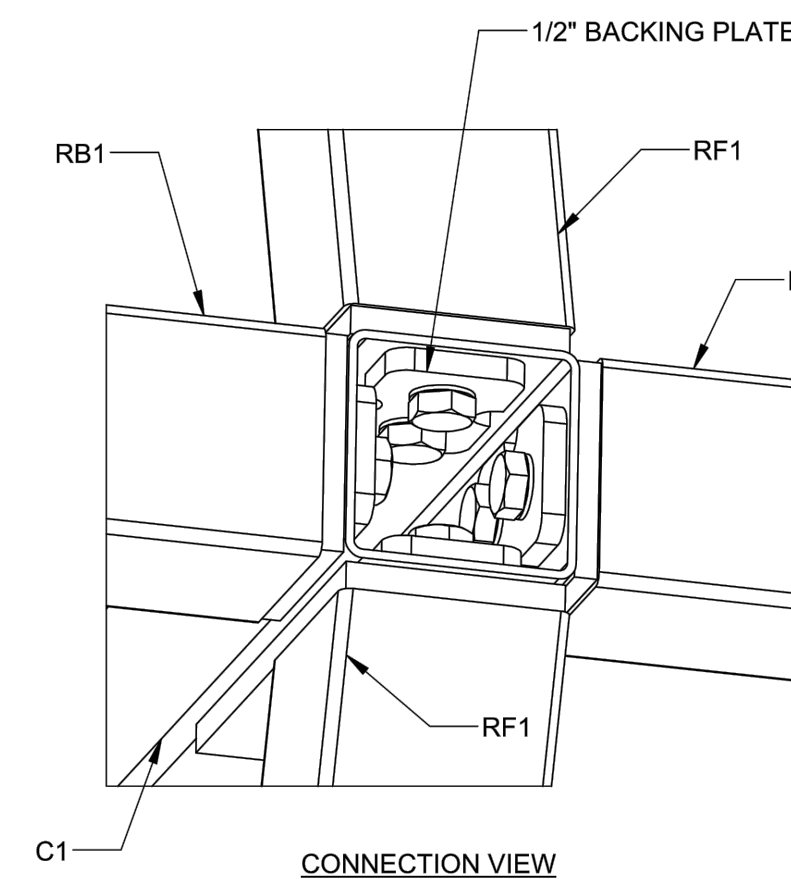
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Tightening Method for Snug-Tightened Joints
 1. All bolt holes shall be aligned to permit insertion of the bolts without undue damage to the threads.
 2. Bolts shall be placed in all holes with washers positioned as required.
 3. Snug-tighten to bolts in the joint.
 4. Match-mark the nut and protruding end of the bolt.
 5. Rotate the nut 1/3 turn past snug-tight.



*See AISC "Specification for Structural Joints Using ASTM A325 or A490 Bolts" for complete details.
 NOTE: NUTS ARE PRE-WELDED TO THE INSIDE OF HIP BEAM / PURLIN / COLUMN END PLATES.

CONNECTION (S1)
 (2) PLACES
 FASTENERS USED @ EACH CONNECTION
 (8) Bolt 3/4"-10 x 2" A325 Plain
 (8) Washer 3/4" ID x 1 1/2" OD x thick Flat F436

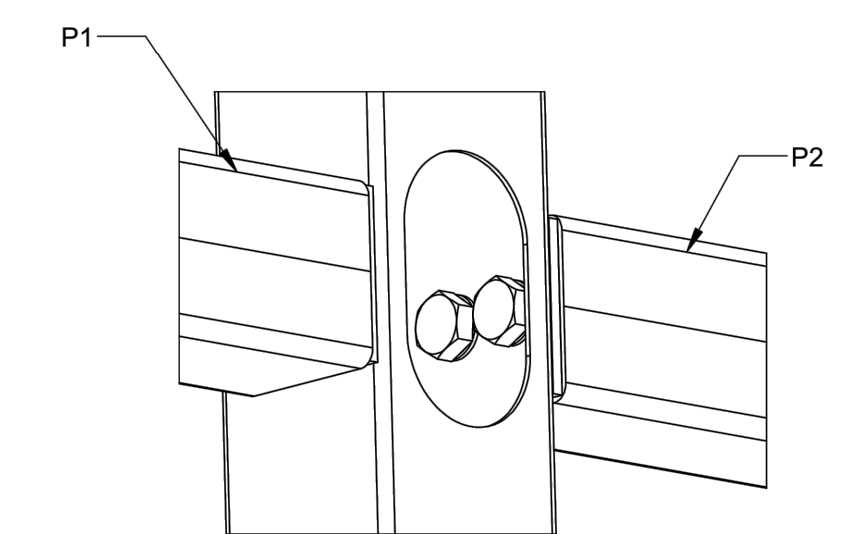


CONNECTION VIEW

CONNECTION DETAILS

NTS

CONNECTION (S2)
 (8) PLACES
 FASTENERS USED @ EACH CONNECTION
 (4) Bolt 3/4"-10 x 2" A325 Plain
 (4) Washer 3/4" ID x 1 1/2" OD x thick Flat F436



CONNECTION VIEW

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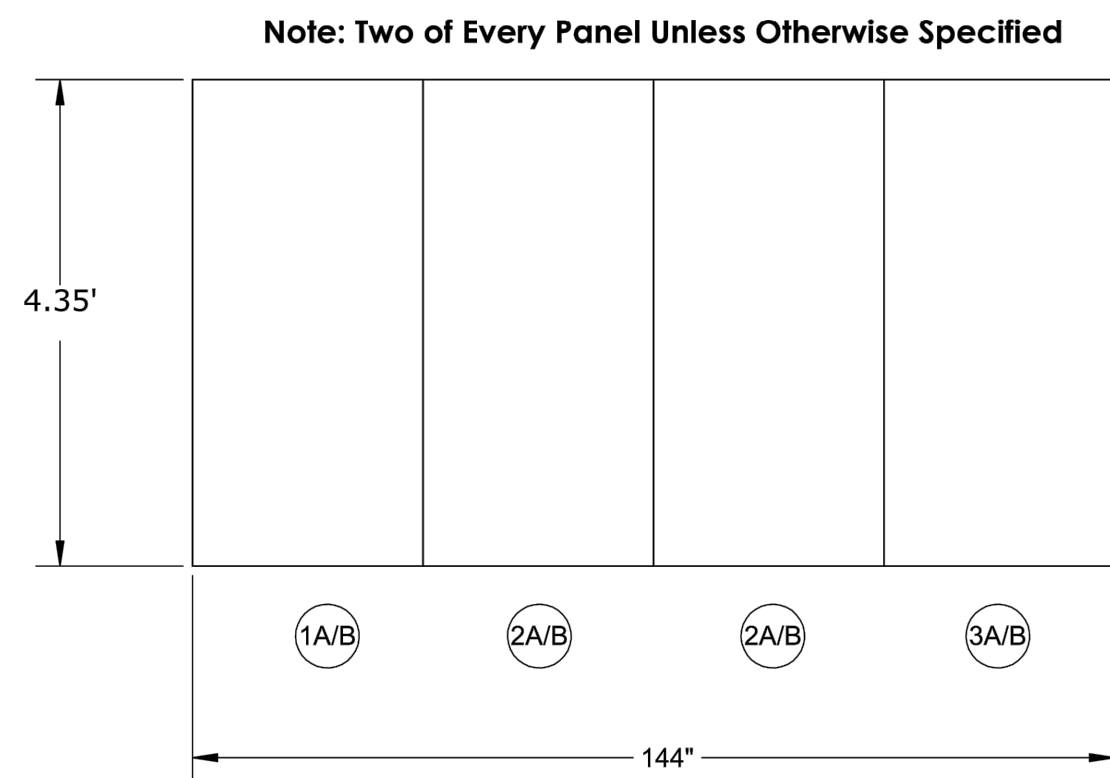
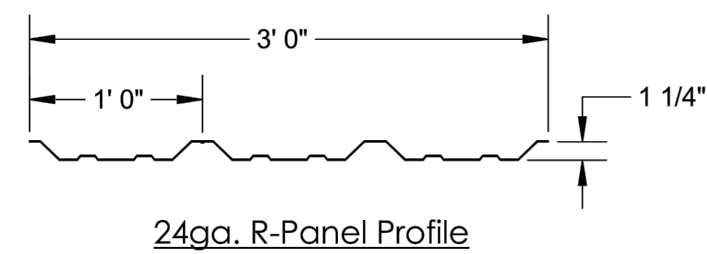
TOWN:
ANSONIA

DRAWING TITLE:
REST SHELTER DETAILS

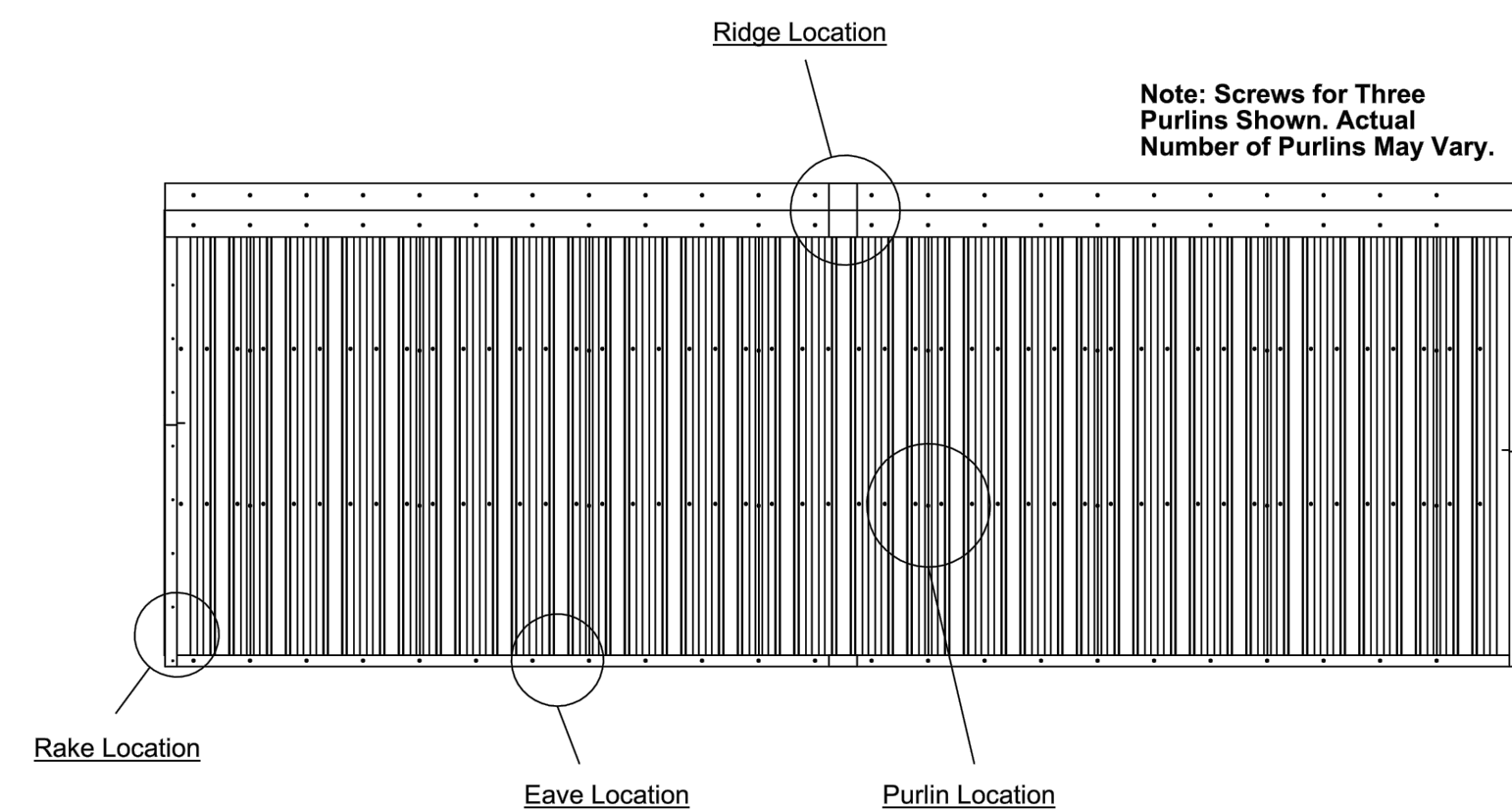
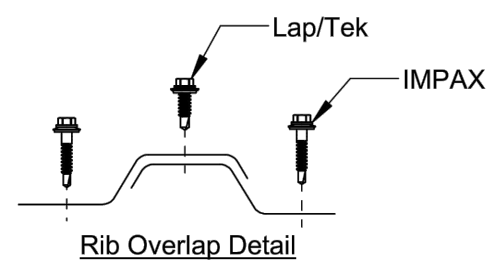
PROJECT NO.:
02-128

DRAWING NO.:
L-5

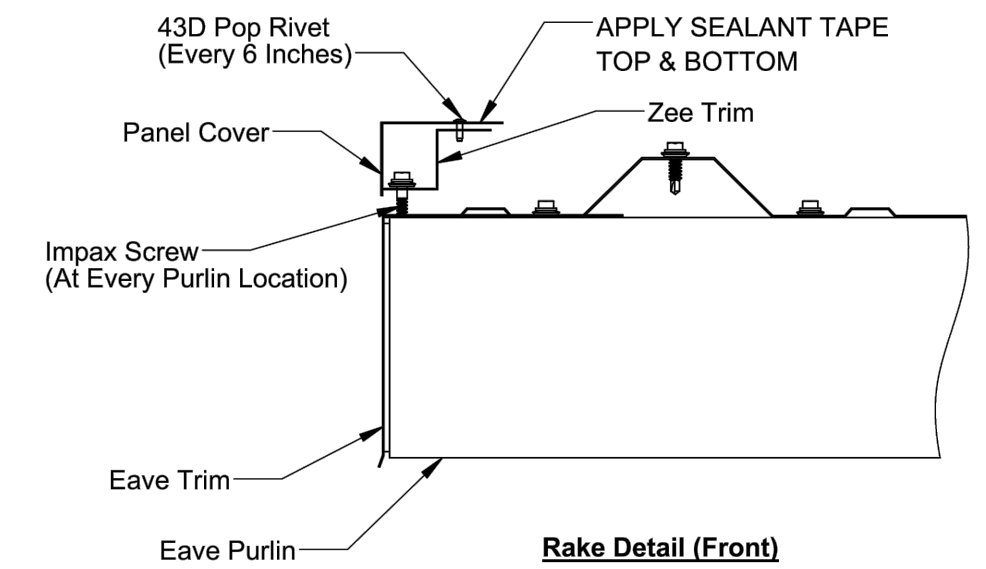
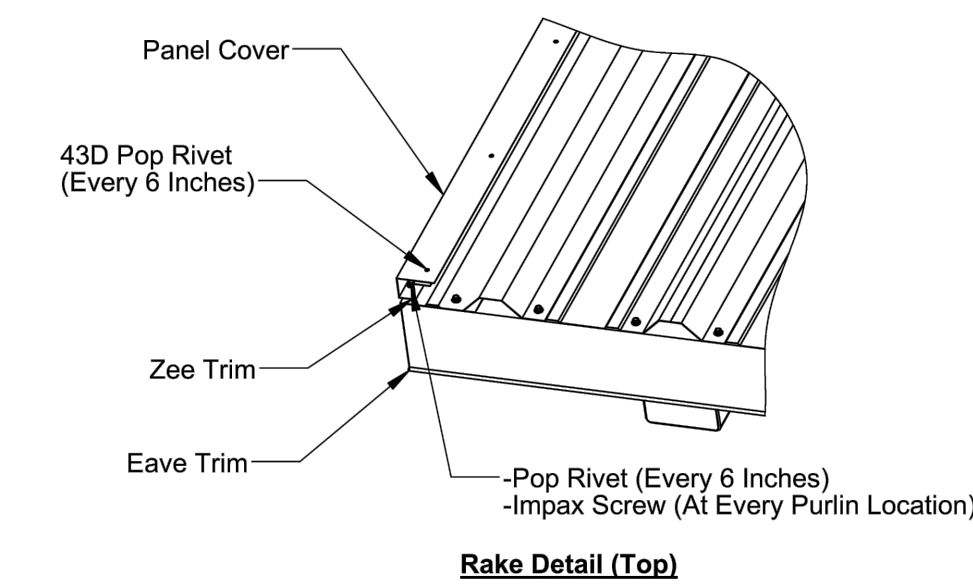
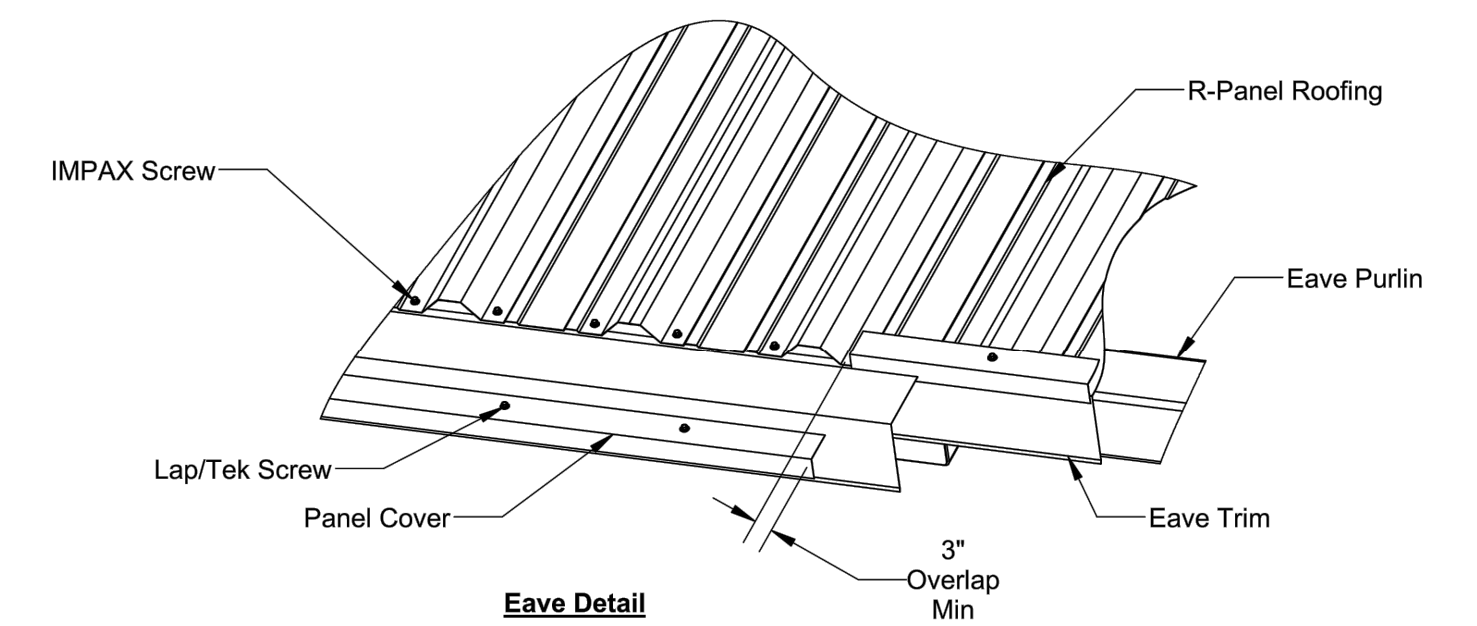
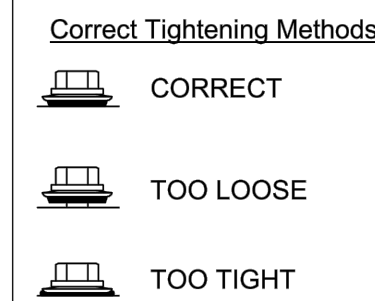
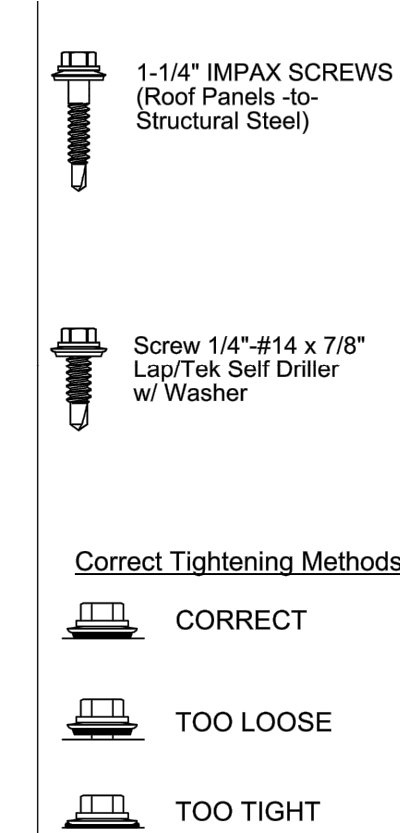
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03.12



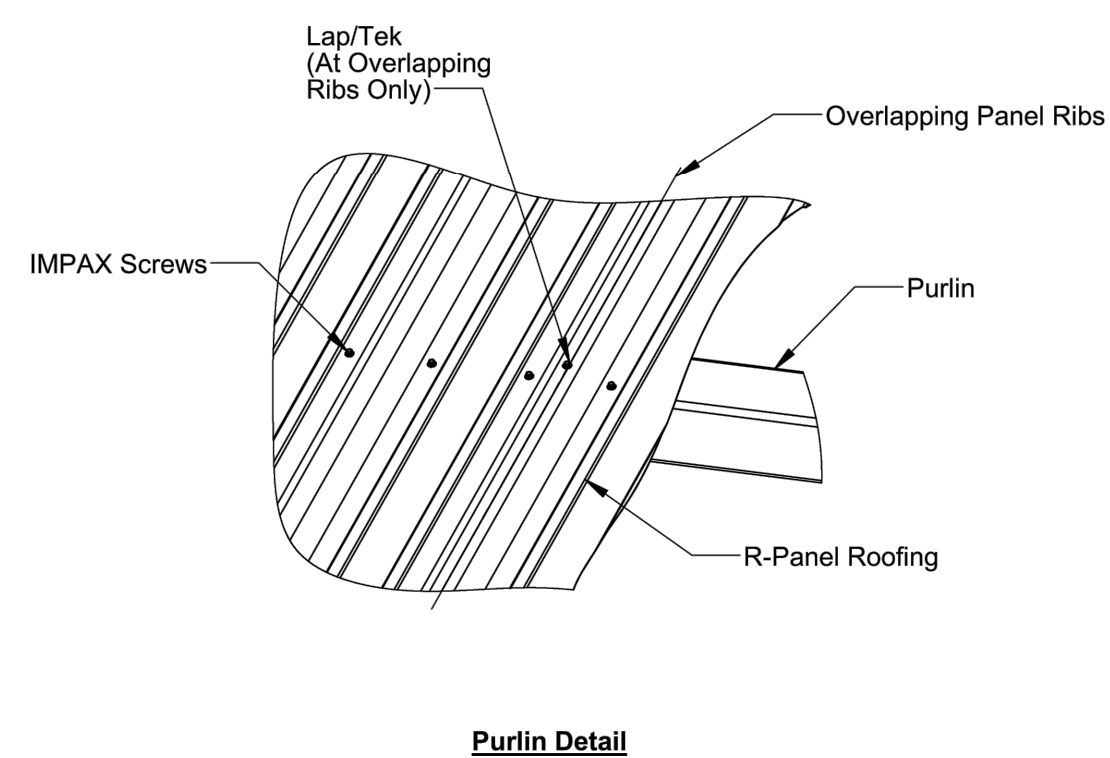
ROOF PANEL LAYOUT
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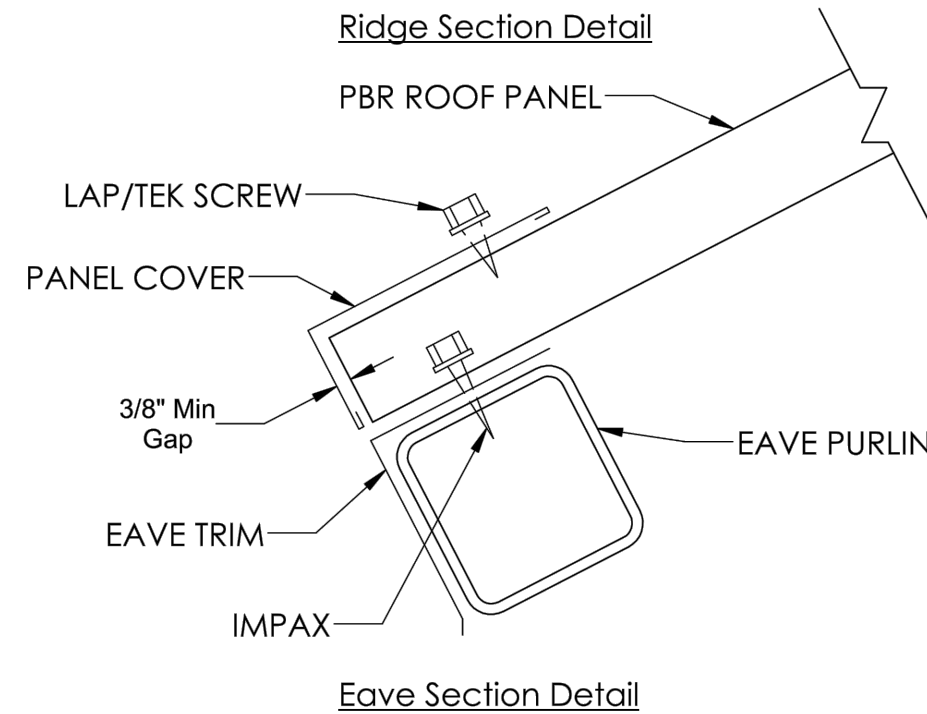
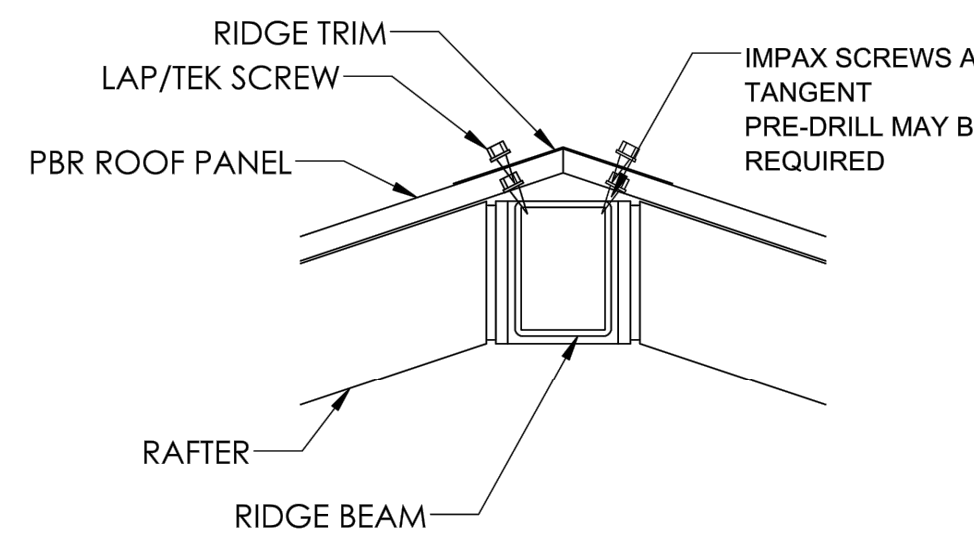
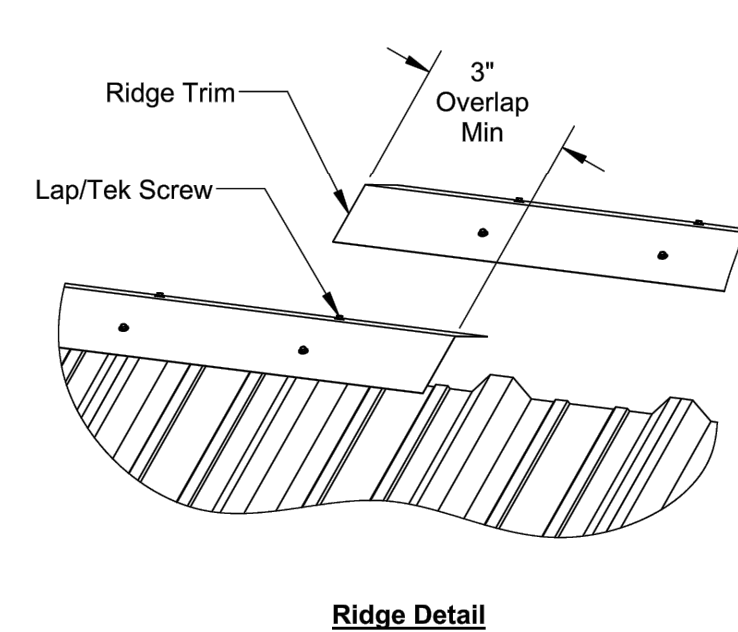
ROOF SCREW SCHEDULE
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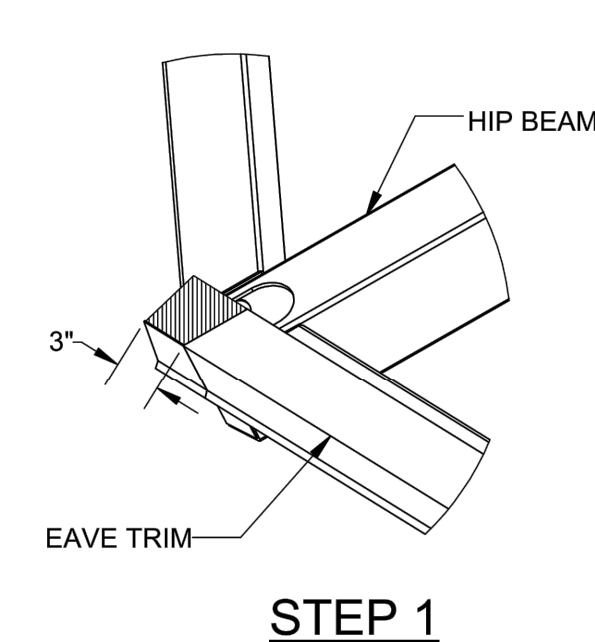
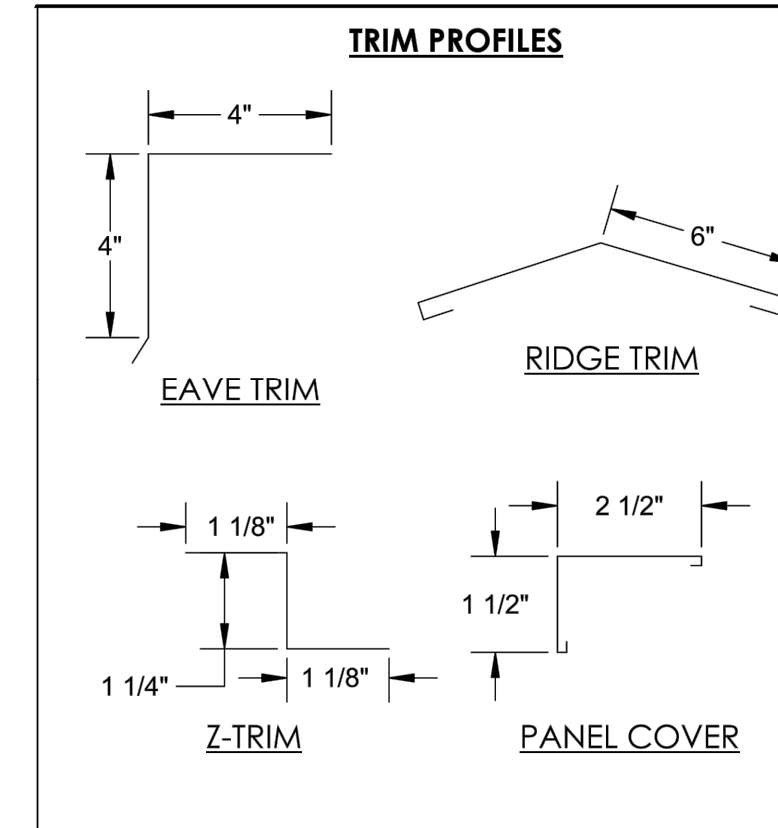
EAVE/RAKE DETAILS
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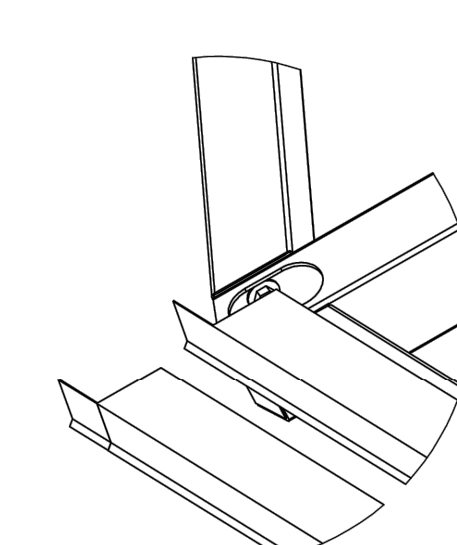
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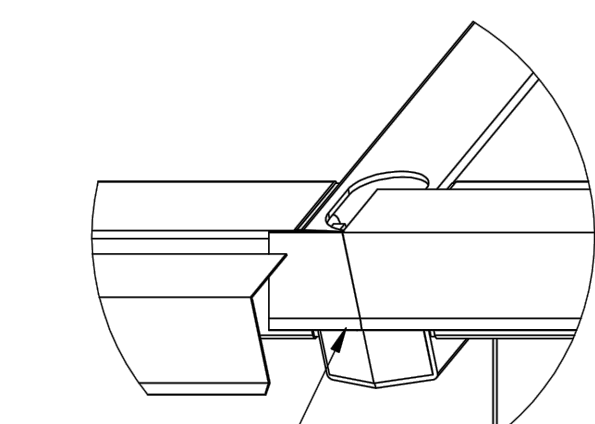
SECTION DETAIL
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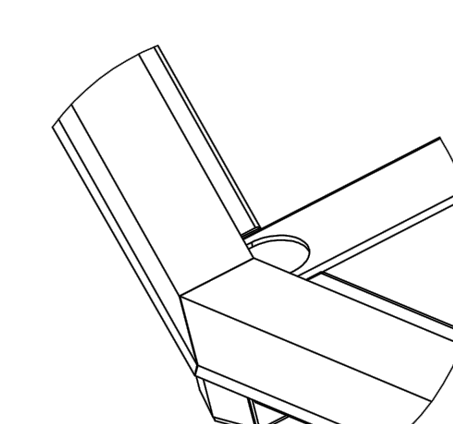
STEP 1



STEP 2



STEP 3



STEP 4

TRIM INSTALLATION DETAILS
NTS

INSTALLATION NOTES:

- STEP 1: CUT THE TOP OF THE TRIM 3" FROM THE END ANGLING WITH THE CENTER LINE OF THE HIP BEAM
- STEP 2: NOTCH THE EAVE TRIM'S HEMMED DRIP EDGE AND WRAP THE TRIM AROUND THE FACE OF THE HIP BEAM
- STEP 3: MITER CUT THE OTHER EAVE TRIM THAT IS USED ON THE OTHER SIDE OF THE CORNER. FOLLOW THE CENTERLINE OF THE HIP BEAM.
- STEP 4: HOLD TRIM IN PLACE TO START THE INSTALLATION OF THE METAL ROOF PANEL.

NOTE: AFTER THE METAL ROOF IS ATTACHED THE PANEL COVER IS ATTACHED IN THE SAME MANNER AS THE EAVE TRIM. THE HIP TRIM IS INSTALLED AFTER THE PANEL COVER. THE HIP TRIM IS CUT TO FIT THE CORNER OF THE BUILDING

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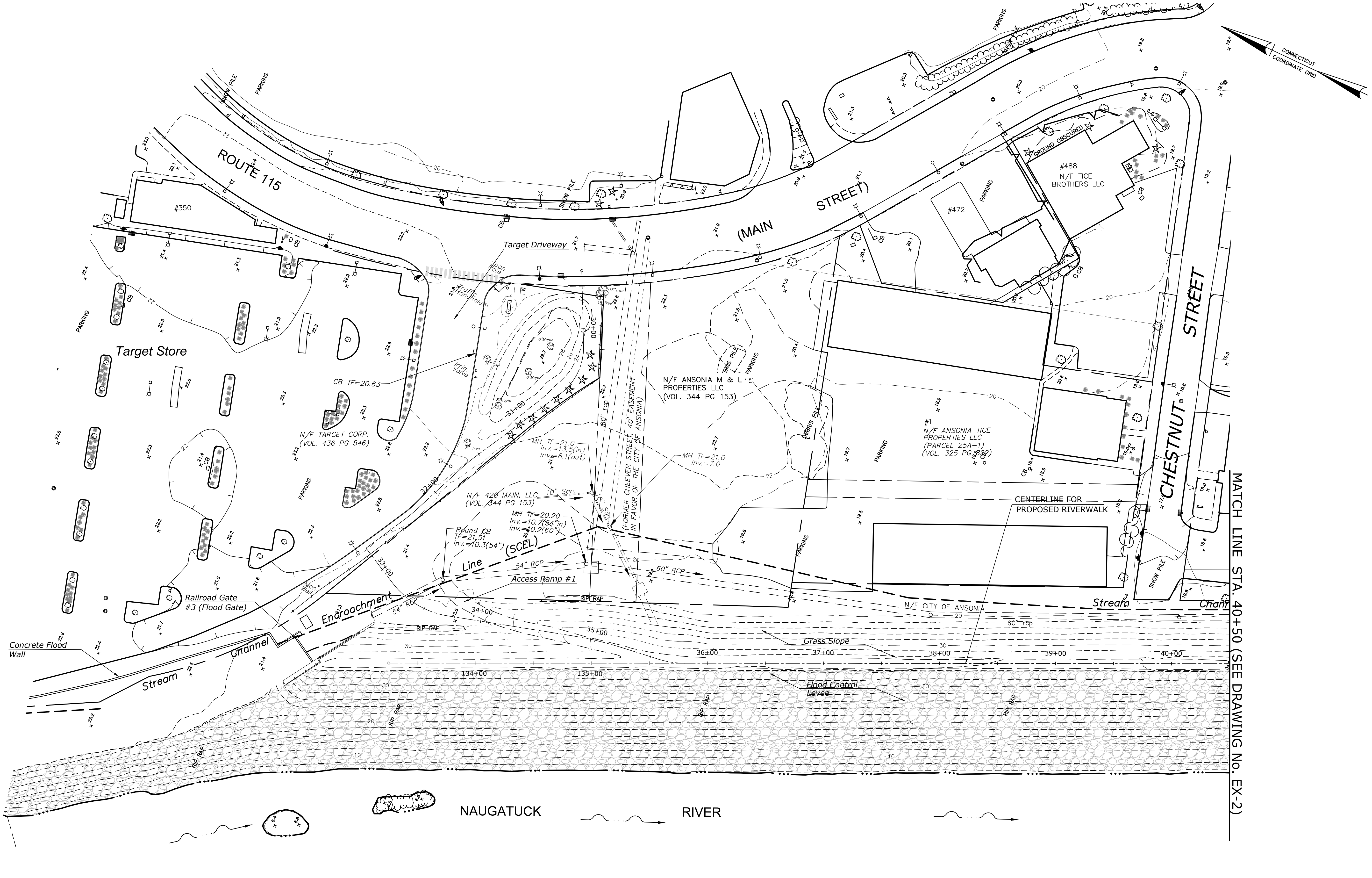
TOWN:
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DRAWING TITLE:
REST SHELTER DETAILS

PROJECT NO.:
02-128

DRAWING NO.:
L-6

SHEET NO.:
03.13



MATCH LINE STA. 40+50 (SEE DRAWING NO. EX-2)

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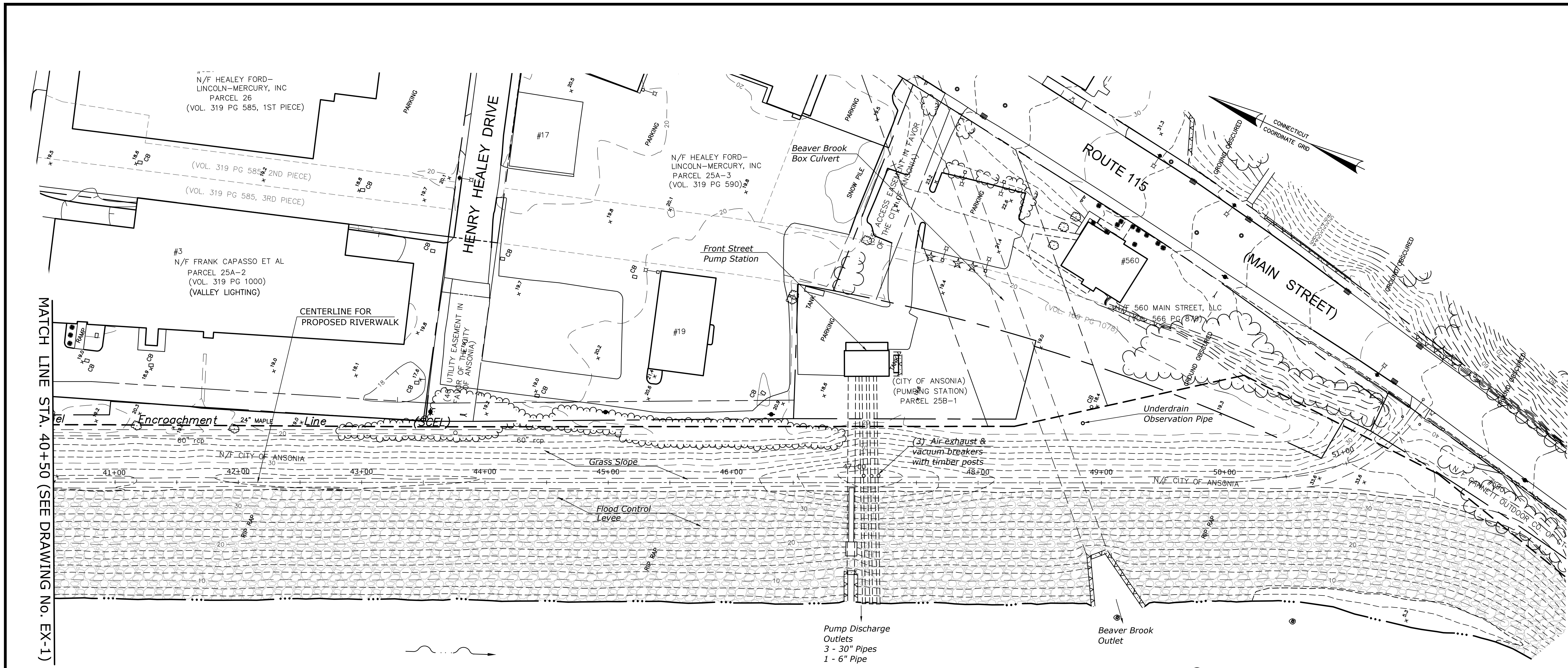
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TOWN:
ANSONIA
DRAWING TITLE:
TOPOGRAPHIC SURVEY

PROJECT NO.:
02-128
DRAWING NO.:
EX-1
SHEET NO.:
03.14



MATCH LINE STA. 40+50 (SEE DRAWING NO. EX-1)

NAUGATUCK RIVER

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	DATE PLOTTED:
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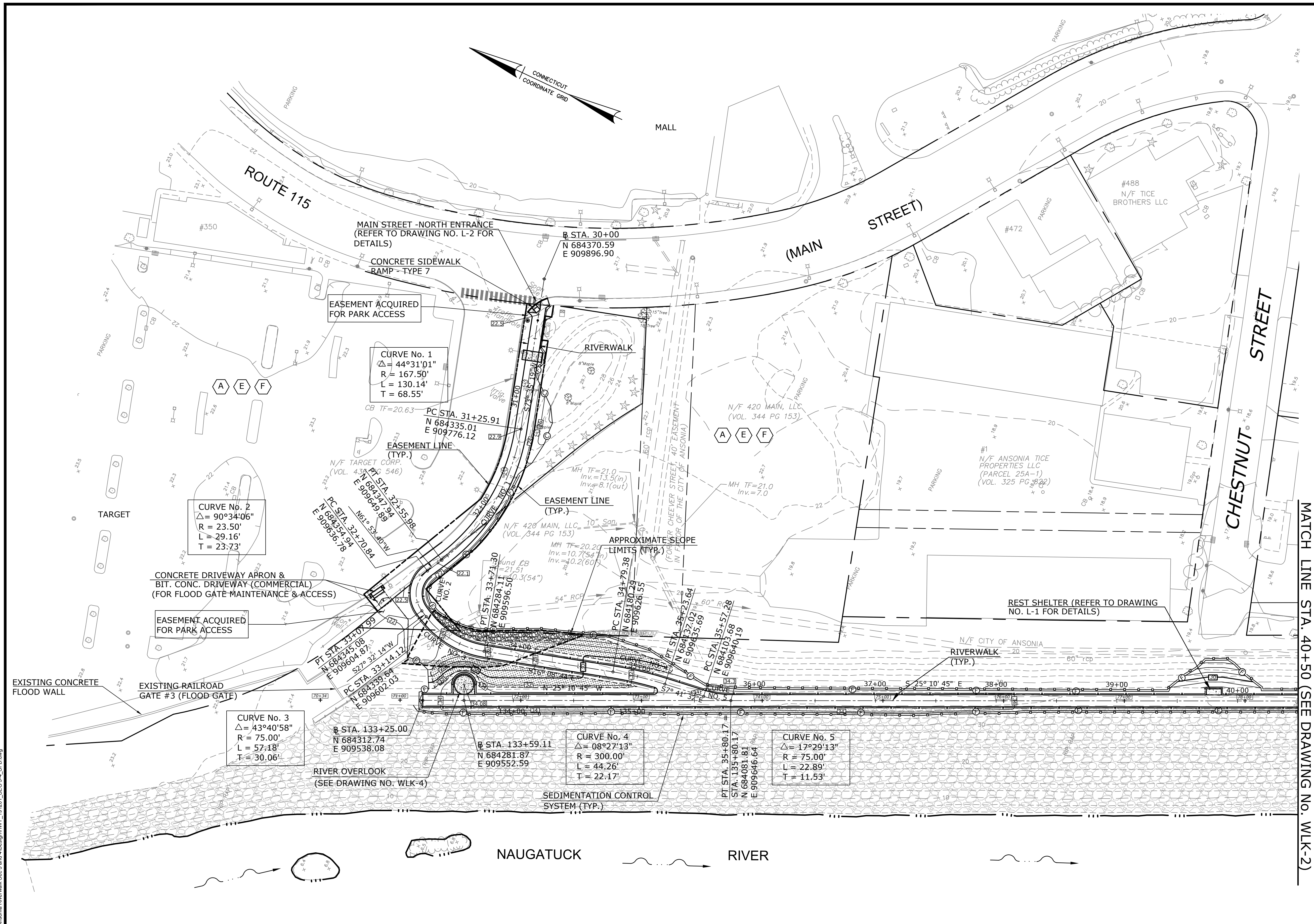
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DRAWING TITLE:
TOPOGRAPHIC SURVEY

PROJECT NO.:
02-128
DRAWING NO.:
EX-2
SHEET NO.:
03.15

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LEGEND

- SILT FENCE
- TRAIL FENCE
- PROPOSED CONTOUR
- EASEMENT
- 100' UPLAND REVIEW AREA
- PROPOSED WALK
- EXISTING CONTOUR
- ARMY CORPS LEVEE STATIONING
- WILDFLOWER ESTABLISHMENT
- MODIFIED RIPRAP
- EXPOSED ROUNDED RIVER ROCKS (PAID FOR UNDER THE ITEM ROUNDED STONE RIPRAP)

- SCHEDULE OF RIGHTS AND EASMENTS**
- A** EASEMENT TO CONSTRUCT AND MAINTAIN CONCRETE PLAZAS, PAVED DRIVEWAY, PAVED RIVERWALK, AND FENCES REQUIRED.
 - B** EASEMENT TO SLOPE IN SUPPORT OF THE PAVED RIVERWALK REQUIRED.
 - C** EASEMENT TO CONSTRUCT AND MAINTAIN PAVED RIVERWALK, CONCRETE PLAZA, GUIDE RAIL, FENCES, AND SLOPE IN SUPPORT OF THE PAVED RIVERWALK REQUIRED.
 - D** EASEMENT TO CONSTRUCT AND MAINTAIN PAVED RIVERWALK AND FENCES, AND TO SLOPE IN SUPPORT OF THE PAVED RIVERWALK REQUIRED.
 - E** RIGHT TO INSTALL SEDIMENTATION CONTROL SYSTEM REQUIRED.
 - F** RIGHT TO GRADE REQUIRED.

MATCH LINE STA. 40+50 (SEE DRAWING NO. WLK-2)

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SCALE 1"=40'

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PROJECT TITLE:
CONSTRUCTION OF ANSONIA RIVERWALK - SEGMENTS 3 & 4 PREPARED FOR THE CITY OF ANSONIA

TOWN:
ANSONIA

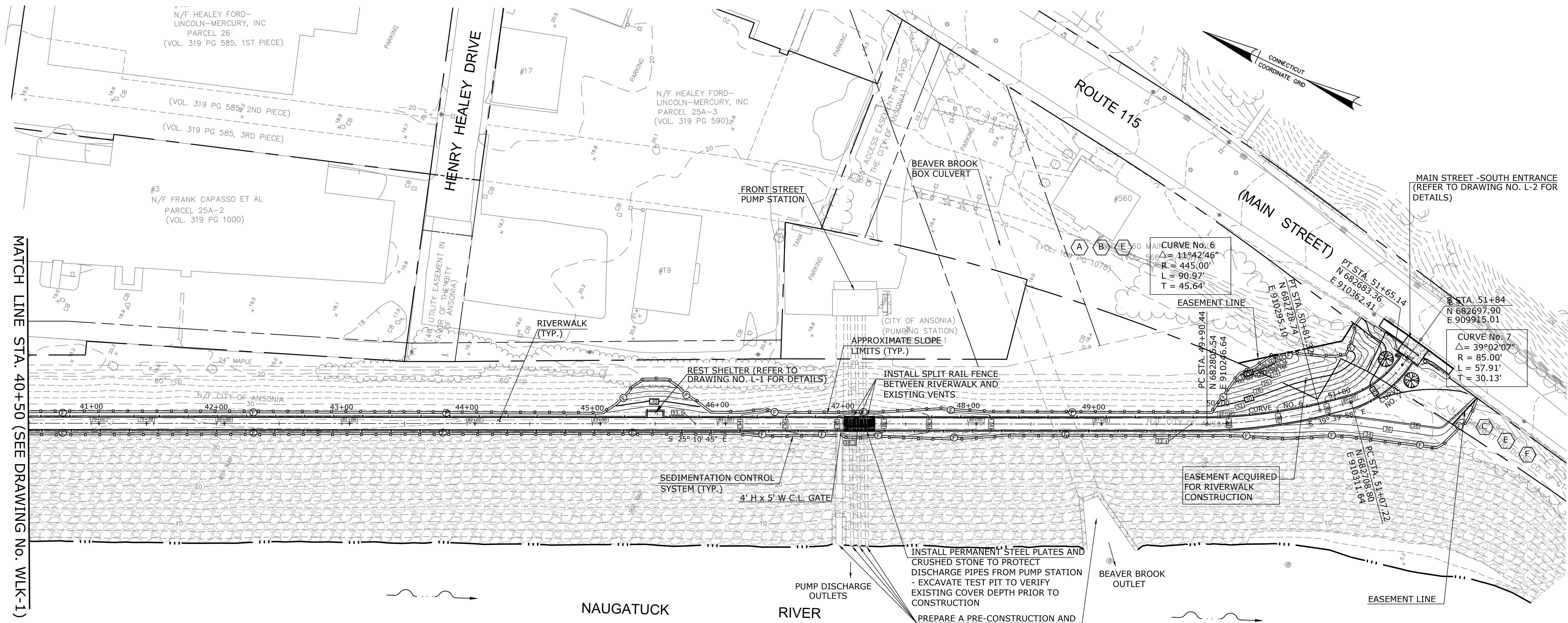
DRAWING TITLE:
RIVERWALK SEGMENT 3 MAIN STREET TO EAST DIKE STA. 29+50 - STA. 40+50

PROJECT NO.:
02-128

DRAWING NO.:
WLK-1

SHEET NO.:
03.16

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MATCH LINE STA. 40+50 (SEE DRAWING NO. WLK-1)

MAIN STREET - SOUTH ENTRANCE
(REFER TO DRAWING NO. L-2 FOR DETAILS)

CURVE No. 6
 $\Delta = 11942'46"$
 $R = 445.00'$
 $L = 90.97'$
 $T = 45.64'$

CURVE No. 7
 $\Delta = 39^{\circ}02'07"$
 $R = 85.00'$
 $L = 57.91'$
 $T = 30.13'$

LEGEND	
	SILT FENCE
	TRAIL FENCE
	PROPOSED CONTOUR
	EASEMENT
	100' UPLAND REVIEW AREA
	PROPOSED WALK
	EXISTING CONTOUR
	ARMY CORPS LEVEE STATIONING
	WILDFLOWER ESTABLISHMENT
	MODIFIED RIPRAP
	EXPOSED ROUNDED RIVER ROCKS (PAID FOR UNDER THE ITEM ROUNDED STONE RIPRAP)

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REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	11/15/19	REVISED PER USACE COMMENTS	

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DATE PLOTTED: 6/02/2020

DESIGNER/DRAFTER:
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 SCALE IN FEET
 SCALE 1"=40'

DeCarlo & Doll, Inc.
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 89 Colony Street
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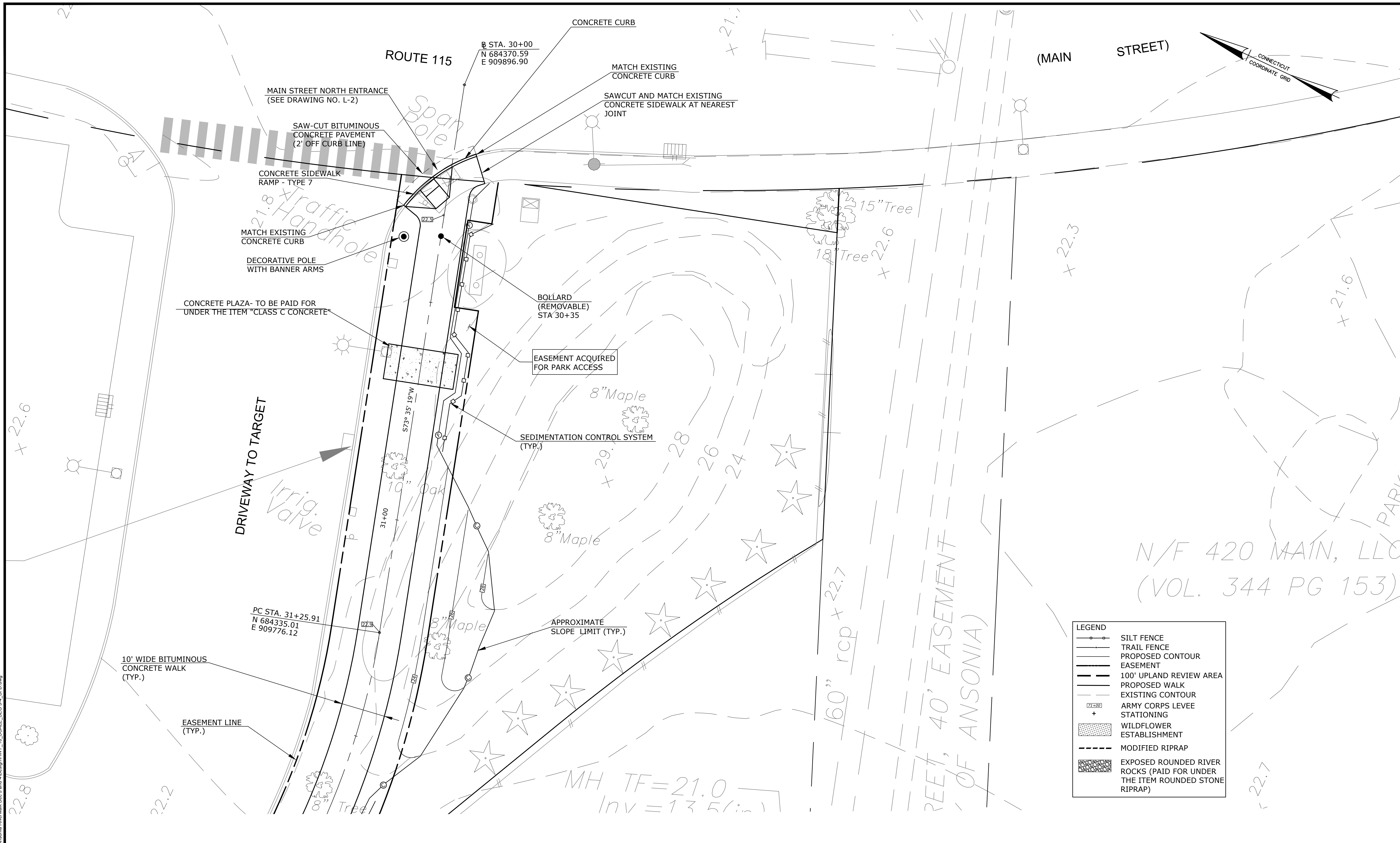
TOWN:
ANSONIA

DRAWING TITLE:
RIVERWALK SEGMENT 4 EAST DIKE TO MAIN STREET STA. 40+50 - STA. 51+84

PROJECT NO.:
02-128

DRAWING NO.:
WLK-2

SHEET NO.:
03.17



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 PROJECT NO.: 02-128
 DRAWING NO.: WLK-3
 SHEET NO.: 03.18

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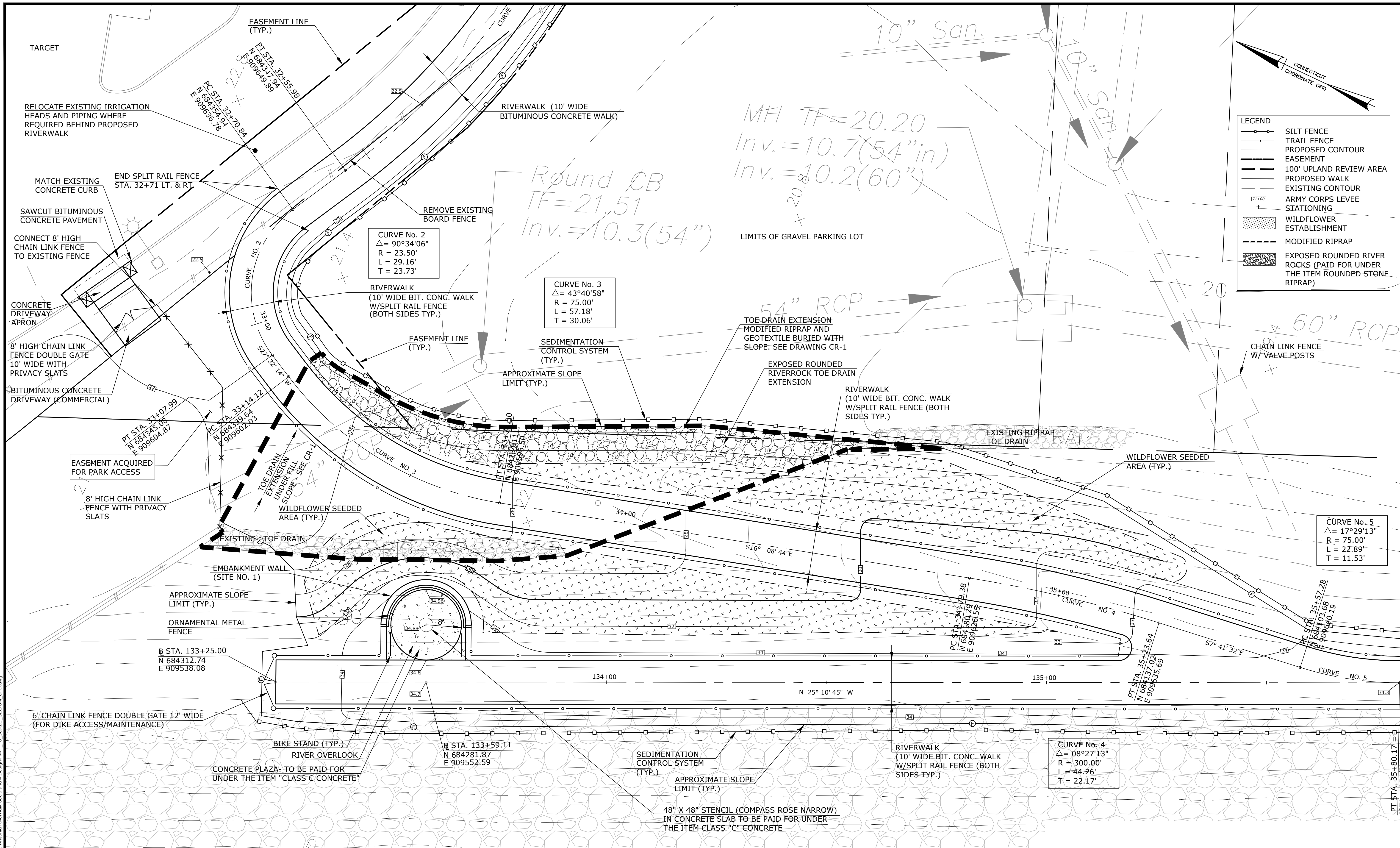
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PROJECT TITLE:
CONSTRUCTION OF ANSONIA RIVERWALK - SEGMENTS 3 & 4 PREPARED FOR THE CITY OF ANSONIA

TOWN:
ANSONIA
 DRAWING TITLE:
RIVERWALK SEGMENT 3 MAIN STREET TO EAST DIKE ENLARGEMENT STA. 29+50 - STA. 31+00

PROJECT NO.:
02-128
 DRAWING NO.:
WLK-3
 SHEET NO.:
03.18



LEGEND

- SILT FENCE
- TRAIL FENCE
- PROPOSED CONTOUR
- EASEMENT
- 100' UPLAND REVIEW AREA
- PROPOSED WALK
- EXISTING CONTOUR
- ARMY CORPS LEVEE STATIONING
- WILDFLOWER ESTABLISHMENT
- MODIFIED RIPRAP
- EXPOSED ROUNDED RIVER ROCKS (PAID FOR UNDER THE ITEM ROUNDED STONE RIPRAP)

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	DATE PLOTTED:
1	7/17/20	REVISED PER DEEP COMMENTS		7/17/2020

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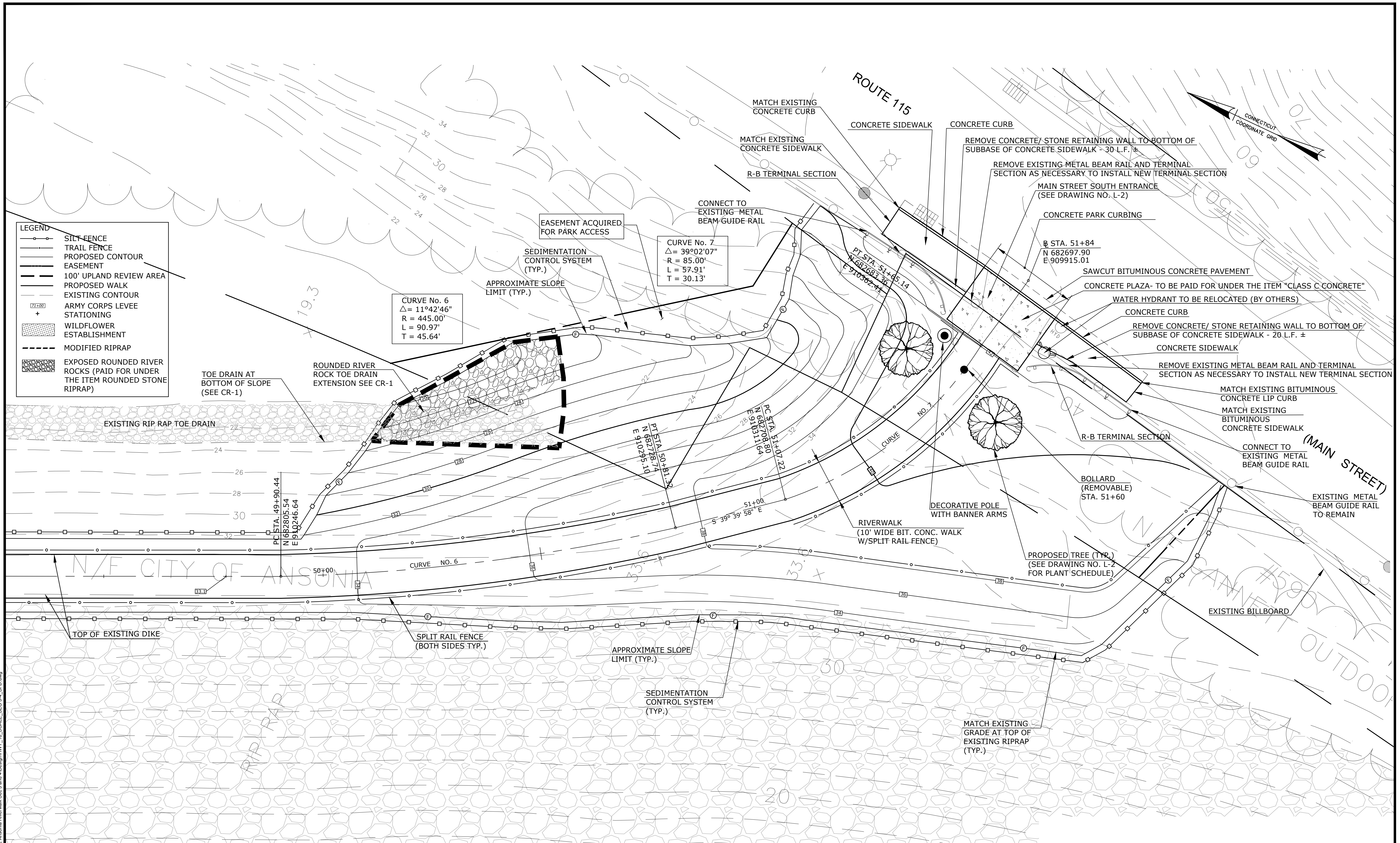
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PROJECT TITLE:
CONSTRUCTION OF ANSONIA RIVERWALK - SEGMENTS 3 & 4 PREPARED FOR THE CITY OF ANSONIA

TOWN:
ANSONIA
DRAWING TITLE:
RIVERWALK SEGMENT 3 MAIN STREET TO EAST DIKE ENLARGEMENT STA. 32+00 - STA. 35+80

PROJECT NO.:
02-128
DRAWING NO.:
WLK-4
SHEET NO.:
03.19

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LEGEND

- SILT FENCE
- TRAIL FENCE
- PROPOSED CONTOUR
- EASEMENT
- 100' UPLAND REVIEW AREA
- PROPOSED WALK
- EXISTING CONTOUR
- ARMY CORPS LEVEE STATIONING
- WILDFLOWER ESTABLISHMENT
- MODIFIED RIPRAP
- EXPOSED ROUNDED RIVER ROCKS (PAID FOR UNDER THE ITEM ROUNDED STONE RIPRAP)

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TOWN:
ANSONIA

DRAWING TITLE:
RIVERWALK SEGMENT 4 EAST DIKE TO MAIN STREET ENLARGEMENT STA. 49+50 - STA. 51+84

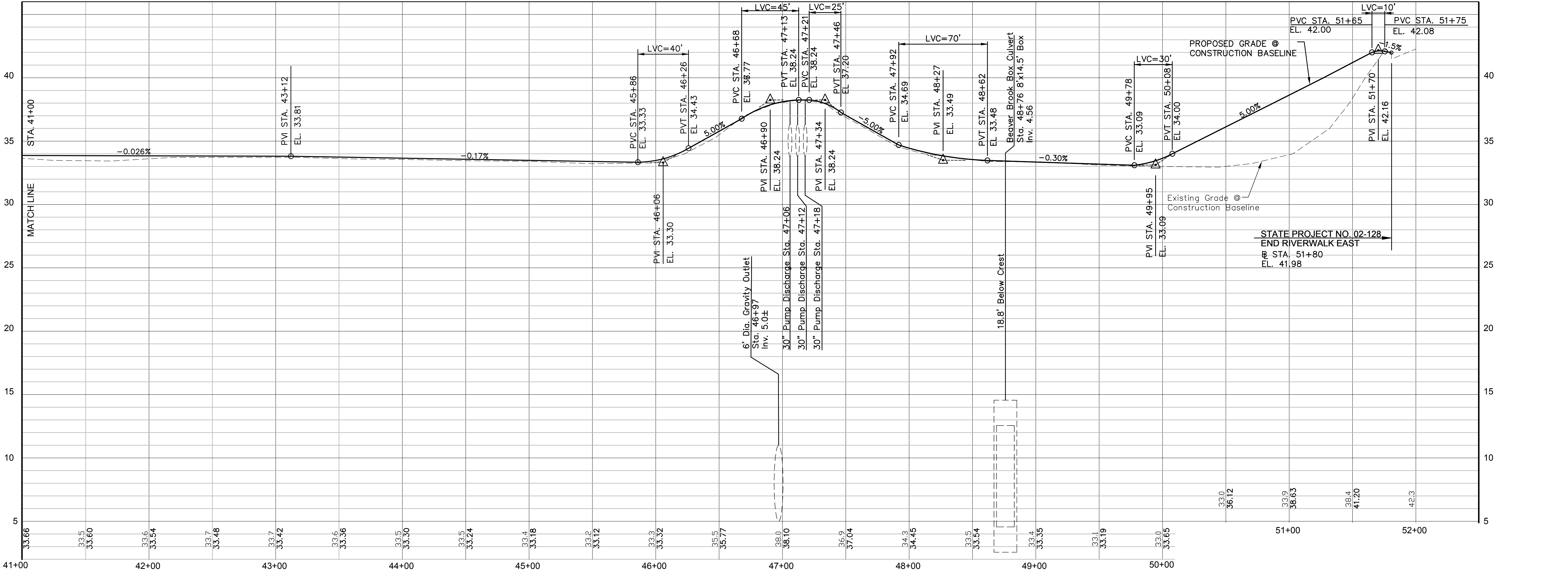
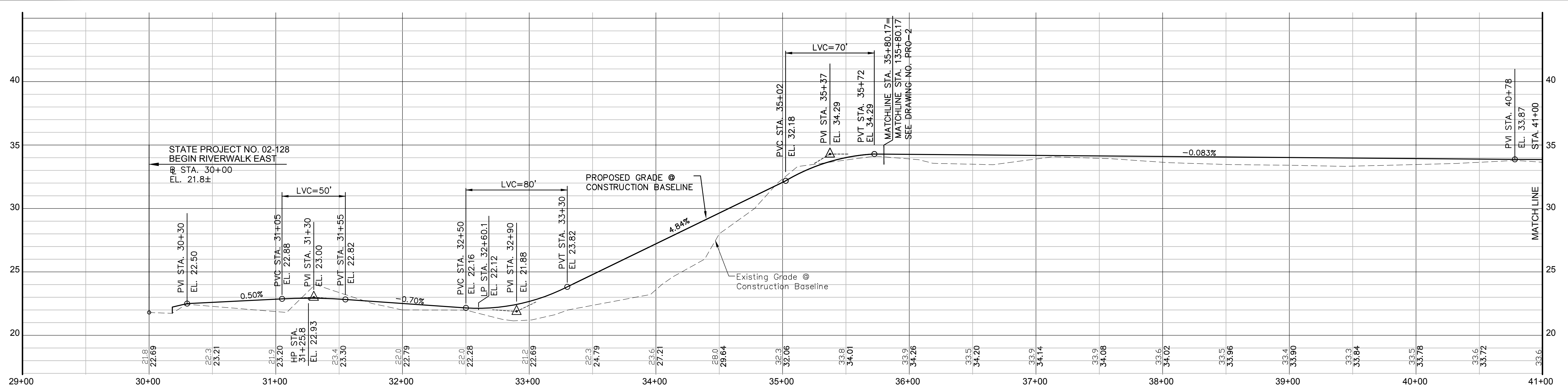
PROJECT NO.:
02-128

DRAWING NO.:
WLK-5

SHEET NO.:
03.20

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89 COLONY STREET
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**CONSTRUCTION OF
ANSONIA RIVERWALK - SEGMENTS 3 & 4
PREPARED FOR THE CITY OF ANSONIA**

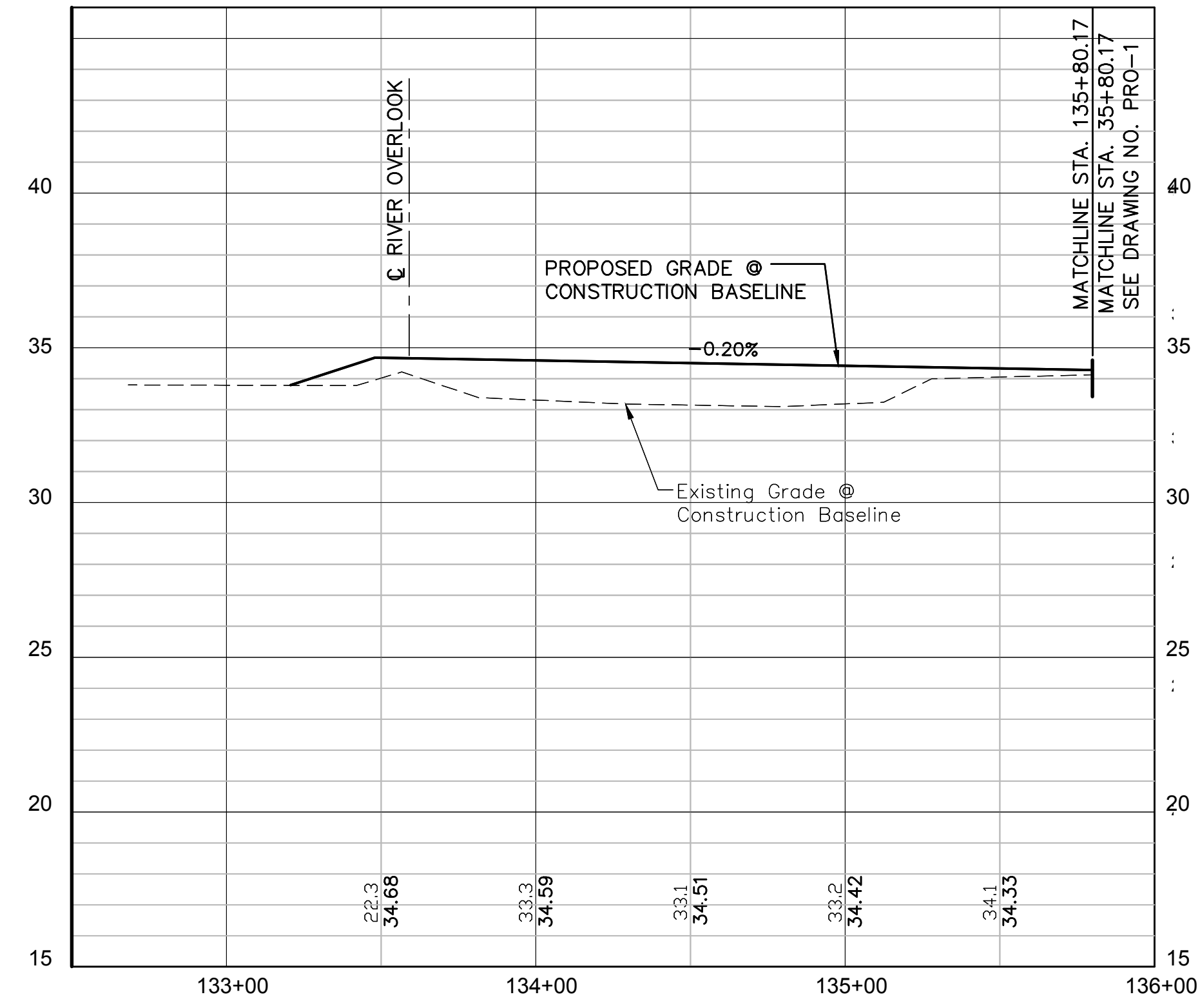
TOWN:
ANSONIA

DRAWING TITLE:
**RIVERWALK PROFILE
EAST DIKE STA. 29+50 - 51+84**

PROJECT NO.:
02-128

DRAWING NO.:
PRO-1

SHEET NO.:
03.21



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PROJECT TITLE:
CONSTRUCTION OF ANSONIA RIVERWALK - SEGMENTS 3 & 4 PREPARED FOR THE CITY OF ANSONIA

TOWN:
ANSONIA

DRAWING TITLE:
**RIVERWALK PROFILE
 EAST DIKE STA. 33+25 - 35+80**

PROJECT NO.:
02-128

DRAWING NO.:
PRO-2

SHEET NO.:
03.22

PROJECT NARRATIVE

The City of Ansonia is constructing Sections 3 and 4 of the Ansonia Riverwalk as ConnDOT Project #002-128. These sections are approximately 2,500 linear feet of 10 foot wide bituminous multi-use path along the top of the federal flood control levee on the east side of the Naugatuck River. The project is a continuation of Ansonia's earlier downtown pedestrian improvement projects as part of the Naugatuck River Greenway.




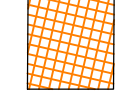




The Naugatuck River flood control levee was constructed by the US Army Corps of Engineers to protect Ansonia from the damage suffered during the 1955 Flood. Earlier Riverwalk sections were constructed on top of similar flood control levees on the west side of the River. Section 3 of the Ansonia Riverwalk will begin on Main Street (CT Rt. 115) just south of the entrance to the Target store, proceed west along the Target driveway, then turn south near Railroad Gate #3 (flood gate) and climb Access Ramp #1 to the top of the levee. The Riverwalk will have timber railings on either side of the walkway and is designed for handicapped accessibility. The Riverwalk will continue south along Section 4 and join Main Street just south of the Dental offices near the Beaver Brook Box Culvert. The new sections of the Riverwalk will link with existing public sidewalks on both sides of the project that connect with earlier constructed segments of the Ansonia Riverwalk and the Derby Greenway at Division Street.

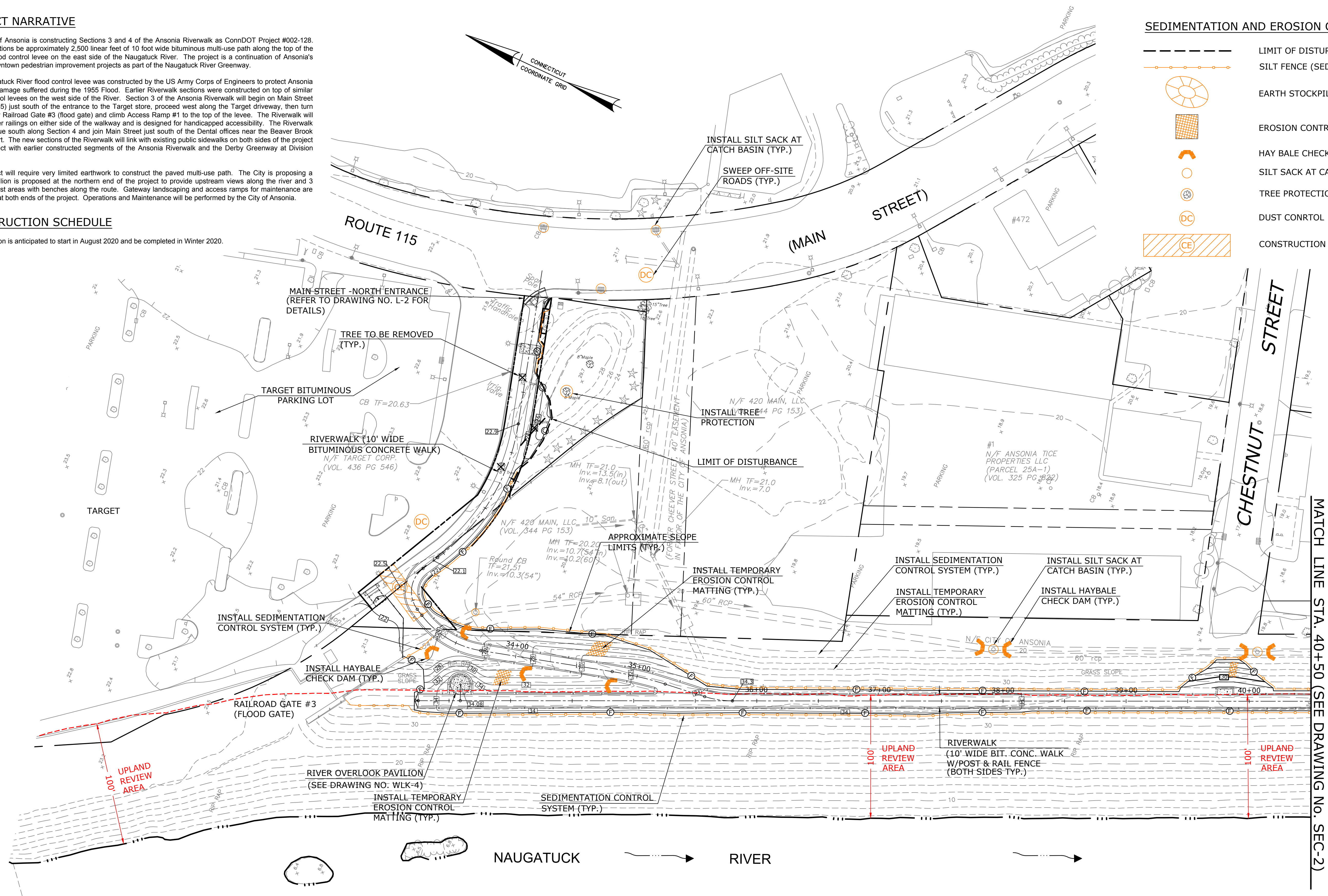
The project will require very limited earthwork to construct the paved multi-use path. The City is proposing a public pavilion is proposed at the northern end of the project to provide upstream views along the river and 3 covered rest areas with benches along the route. Gateway landscaping and access ramps for maintenance are proposed at both ends of the project. Operations and Maintenance will be performed by the City of Ansonia.

CONSTRUCTION SCHEDULE

Construction is anticipated to start in August 2020 and be completed in Winter 2020.

SEDIMENTATION AND EROSION CONTROL LEGEND

-  LIMIT OF DISTURBANCE
-  SILT FENCE (SEDIMENTATION CONTROL SYSTEM)
-  EARTH STOCKPILE AREA
-  EROSION CONTROL BLANKET
-  HAY BALE CHECK DAM
-  SILT SACK AT CATCH BASIN
-  TREE PROTECTION
-  DUST CONTROL
-  CONSTRUCTION ENTRANCE



MATCH LINE STA. 40+50 (SEE DRAWING NO. SEC-2)

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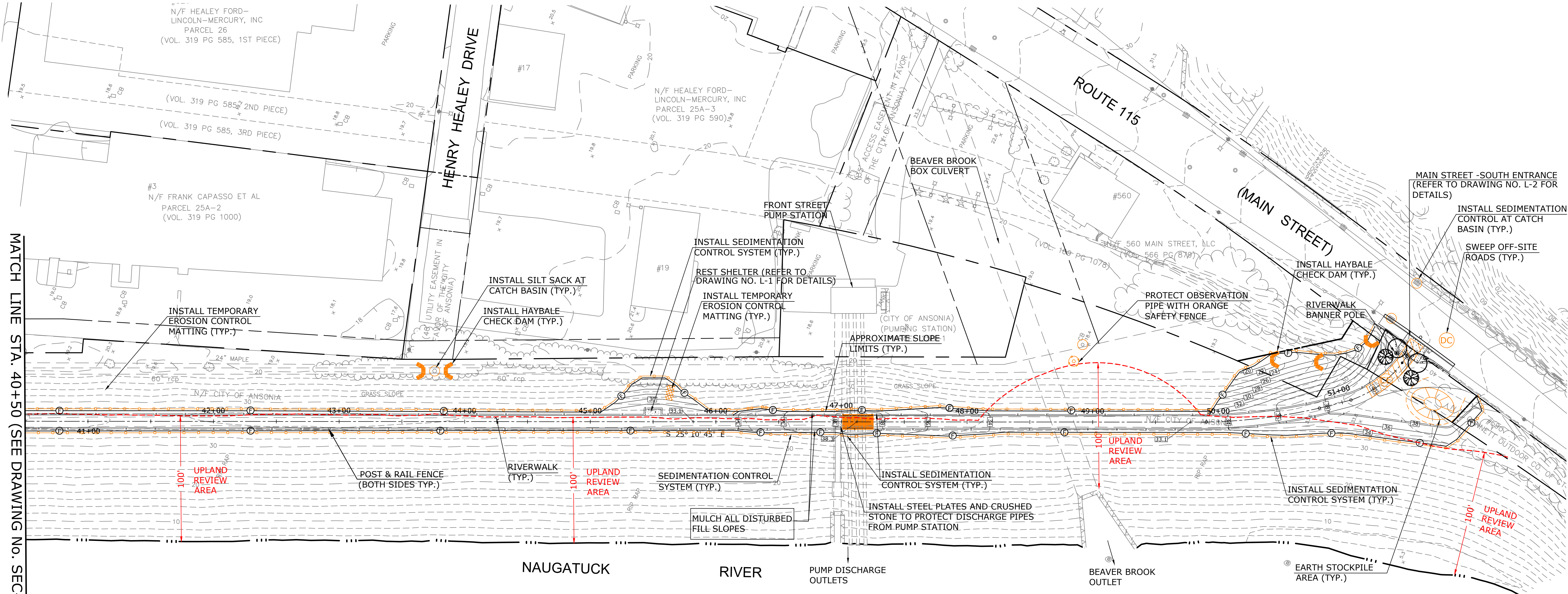
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MERIDEN, CT 06451

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CONSTRUCTION OF ANSONIA RIVERWALK - SEGMENTS 3 & 4 PREPARED FOR THE CITY OF ANSONIA

TOWN:
ANSONIA
DRAWING TITLE:
SEDIMENT AND EROSION CONTROL PLAN

PROJECT NO.:
02-128
DRAWING NO.:
SEC-1
SHEET NO.:
03.23



MATCH LINE STA. 40+50 (SEE DRAWING NO. SEC-1)

SEDIMENT AND EROSION CONTROL NOTES

- This plan is intended for permit review, not for construction. Refer to Drawings SEC-1, WLK-1, and Project Manual for additional sediment and erosion control information.
- All erosion and sediment control measures will be constructed in accordance with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, City of Ansonia requirements, US Army Corps of Engineers requirements, and other permit conditions. Install erosion and sediment control measures prior to construction in that area.
- Shelia O'Malley of the Ansonia Economic Development Department, City Hall, 253 Main Street, Ansonia, CT 06401, (203) 437-1598, somalley@ansoniac.org is assigned the responsibility for implementing this erosion and sediment control plan. Responsibility for implementing this plan may change once a contractor is selected.
- The Contractor shall schedule a preconstruction meeting with Owner, Ansonia City Engineer, Design Engineer, and other required parties prior to beginning site construction to review anticipated construction schedule, methods, and controls.
- The Contractor shall notify Owner, Ansonia City Engineer, Design Engineer and other required parties at least 48 hours prior to any grading or excavation work, and upon completion of the work. The purpose is to review the installation of sediment and erosion controls, and the restoration and stabilization of the disturbed areas.
- Do not excavate beyond design depths and limits indicated on the Federal Flood Control Levee. Existing rip rap slope and floodplain along Naugatuck River to remain undisturbed. All construction shall be on landward side of river above and outside flood levels.
- Protect adjoining properties, City and State roads, and the Naugatuck River from sediment, erosion or pollution due to construction at all times.
- Re-use existing soils on-site to the maximum extent practicable.

CONSTRUCTION SEQUENCE

- The following general construction sequence is intended for permit review, and may be adjusted depending on final design, selected contractor, permit and field conditions.
- Contractor to schedule a Preconstruction Meeting with Architect, City of Ansonia staff, Owner, and Site Engineer to review detailed schedule and construction sequence prior to beginning construction.
- Contact Call Before You Dig (811) for marking of underground utilities. Notify Owner and neighbors in project area of start of construction. Install temporary fences, gates, and other maintenance and protection of traffic signs and measures.
- Strip and stockpile topsoil. Excavate berm near Target entrance. Install steel plates and crushed stone to protect pump station discharge pipes. Place and compact processed aggregate base.
- Construct slabs for benches and overlook plaza. Construct Entry walls and modify existing retaining walls and guardrails. Pave multi-use path and install stone dust shoulders.
- Install timber fencing, benches, shelter kiosks, overlook pavilion, entry features, and complete landscaping. Water planted areas as necessary during turf and plant establishment.
- Install pavement markings and signs and removable bollards. Remove temporary traffic controls. Remove temporary sediment controls after all areas are stabilized.

CONSTRUCTION SEQUENCE

- The Contractor shall notify the Owner, Ansonia City Engineer, Design Engineer, and other required parties of any proposed field changes to the improved plans for review and approval prior to implementing field changes.
- Additional and/or alternative control measures may be installed during the construction period, if found necessary by the Contractor, Owner, Design Engineer, City of Ansonia, or other governing agency. The Contractor shall contact the appropriate governing agencies for approval if alternative controls other than those shown on the plans are proposed.
- Maintain existing clear City access to Railroad Gate #3 (flood gate) and Front Street Pump Station, discharge pipes, and sluice gate at all times. Protect all catch basins, pipes, and underdrains along inside of flood levee during construction. Place steel plates and crushed stone over discharge pipes from pump station after stripping topsoil to prevent damage from construction vehicles.
- Install crushed stone Construction Entrance (CE) anti-tracking pads at construction entrances and where shown. Place filter fabric prior to placing crushed stone. Maintain construction entrances as necessary during the duration of construction.
- Install Temporary Sediment Traps (TST) to provide 134 CY of storage volume per disturbed acre. Provide swales, haybale check dams, crushed stone berms, silt fence (SF), sedimentation control systems, Silt Sacks at catch basins (SS), Tree Protection (TP), orange safety fence, and other controls prior to stripping topsoil.
- Strip and stockpile existing topsoil for final landscaping. Install haybales or silt fence around toe of slope. Stockpiles to be temporarily seeded with perennial ryegrass at a rate of 40 lbs./ac. If stockpiles to remain for one month or more.
- Install temporary chain link construction fence and gates or other barriers along construction entrances, Target Driveway, and other required areas including storage areas. Install Sedimentation Control System, Silt Fence (SF) around perimeter of earthwork areas on downhill side of limit of disturbance and as shown. Excavate and bury lower edge of silt fence in ground. Do not disturb existing rip rap slopes on flood levee.
- Install Sedimentation Control System (TYP.) in existing catch basins on Main Street, and along inside toe of flood levee as shown prior to construction. Cover curb openings with filter fabric, boards, duct tape, or other approved methods to prevent sediment from bypassing Sedimentation Control at Catch Basin. Install Haybale filters or Sedimentation Control at Catch Basin at proposed catch basins as they are installed. Install Sedimentation Control at Catch Basin in completed on-site yard drains or catch basins as necessary due to final pavement elevations. Check and remove accumulated sediment periodically during construction.
- Disturbed areas will be stabilized and planted as soon as practical during construction. Active piles of crushed stone do not require temporary seeding.
- Install Temporary Erosion Control Matting (ECB) on slope areas after topsoil is placed and seeded. Install Matting per manufacturer's requirements and water slopes as necessary until slopes have vegetative cover.
- Control vehicle tracking and provide dust control (DC) on City and State roads with watering Main Street Drive, daily sweeping (minimum). Particularly sweep Main Street and other impacted areas daily or more frequently if necessary. Other dust control measures include watering roads and disturbed area, using calcium chloride, and covering truck loads. A dust fence may be required around the site if directed by Owner's Engineer.
- Direct all trench dewatering pump discharge to a sediment control device, such as a Temporary Sediment Trap, Frac Tank, DirtBag, temporary pit, or grass filter. Do not discharge pump to road gutters, catch basins, over silt fence or other areas that may impact downstream waters. All discharge to storm sewers or wetlands shall be clear.
- Restore all disturbed areas, curbs, survey control, monuments, utilities, and other existing features as part of final site restoration.

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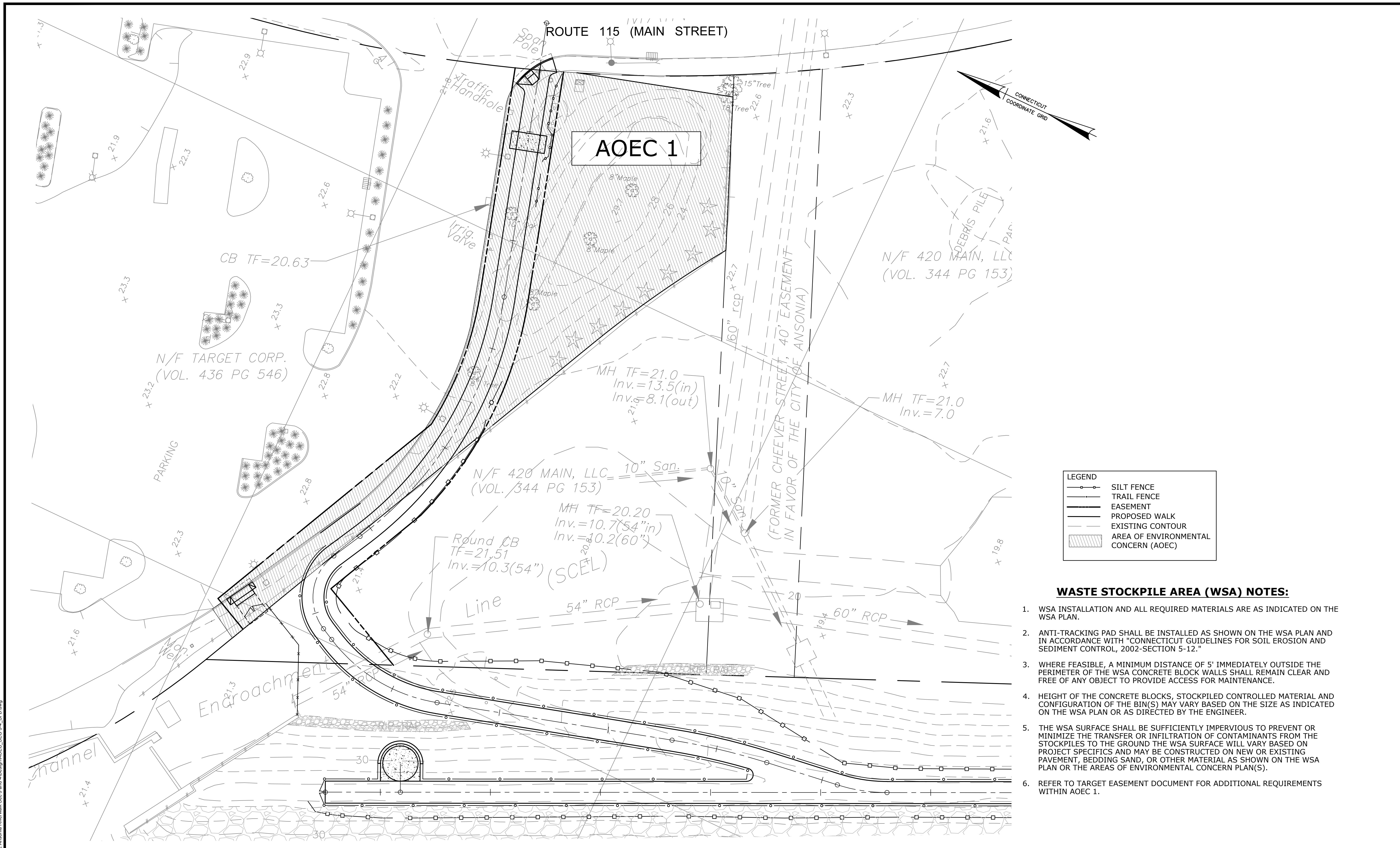
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TOWN:
ANSONIA
DRAWING TITLE:
SEDIMENT AND EROSION CONTROL PLAN

PROJECT NO.:
02-128
DRAWING NO.:
SEC-2
SHEET NO.:
03.24



LEGEND

- SILT FENCE
- TRAIL FENCE
- EASEMENT
- PROPOSED WALK
- EXISTING CONTOUR
- AREA OF ENVIRONMENTAL CONCERN (AOEC)

WASTE STOCKPILE AREA (WSA) NOTES:

1. WSA INSTALLATION AND ALL REQUIRED MATERIALS ARE AS INDICATED ON THE WSA PLAN.
2. ANTI-TRACKING PAD SHALL BE INSTALLED AS SHOWN ON THE WSA PLAN AND IN ACCORDANCE WITH "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, 2002-SECTION 5-12."
3. WHERE FEASIBLE, A MINIMUM DISTANCE OF 5' IMMEDIATELY OUTSIDE THE PERIMETER OF THE WSA CONCRETE BLOCK WALLS SHALL REMAIN CLEAR AND FREE OF ANY OBJECT TO PROVIDE ACCESS FOR MAINTENANCE.
4. HEIGHT OF THE CONCRETE BLOCKS, STOCKPILED CONTROLLED MATERIAL AND CONFIGURATION OF THE BIN(S) MAY VARY BASED ON THE SIZE AS INDICATED ON THE WSA PLAN OR AS DIRECTED BY THE ENGINEER.
5. THE WSA SURFACE SHALL BE SUFFICIENTLY IMPERVIOUS TO PREVENT OR MINIMIZE THE TRANSFER OR INFILTRATION OF CONTAMINANTS FROM THE STOCKPILES TO THE GROUND THE WSA SURFACE WILL VARY BASED ON PROJECT SPECIFICS AND MAY BE CONSTRUCTED ON NEW OR EXISTING PAVEMENT, BEDDING SAND, OR OTHER MATERIAL AS SHOWN ON THE WSA PLAN OR THE AREAS OF ENVIRONMENTAL CONCERN PLAN(S).
6. REFER TO TARGET EASEMENT DOCUMENT FOR ADDITIONAL REQUIREMENTS WITHIN AOEC 1.

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CHECKED BY:
SCALE IN FEET
SCALE NOTED

DeCarlo & Doll, Inc.
Professional Engineering & Land Surveying
89 Colony Street
Meriden, Connecticut 06451
(203) 379-0467
(203) 379-0276 fax

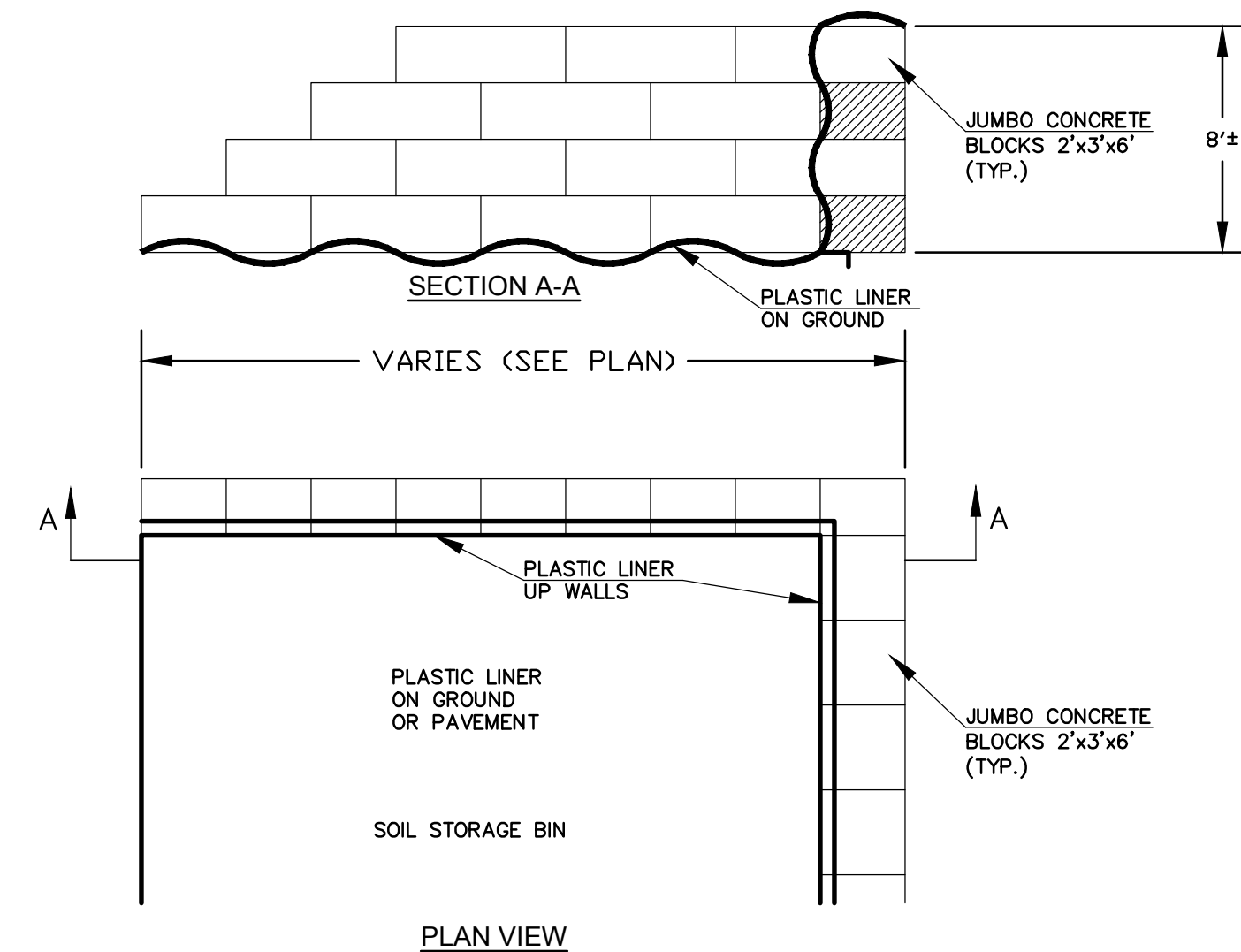
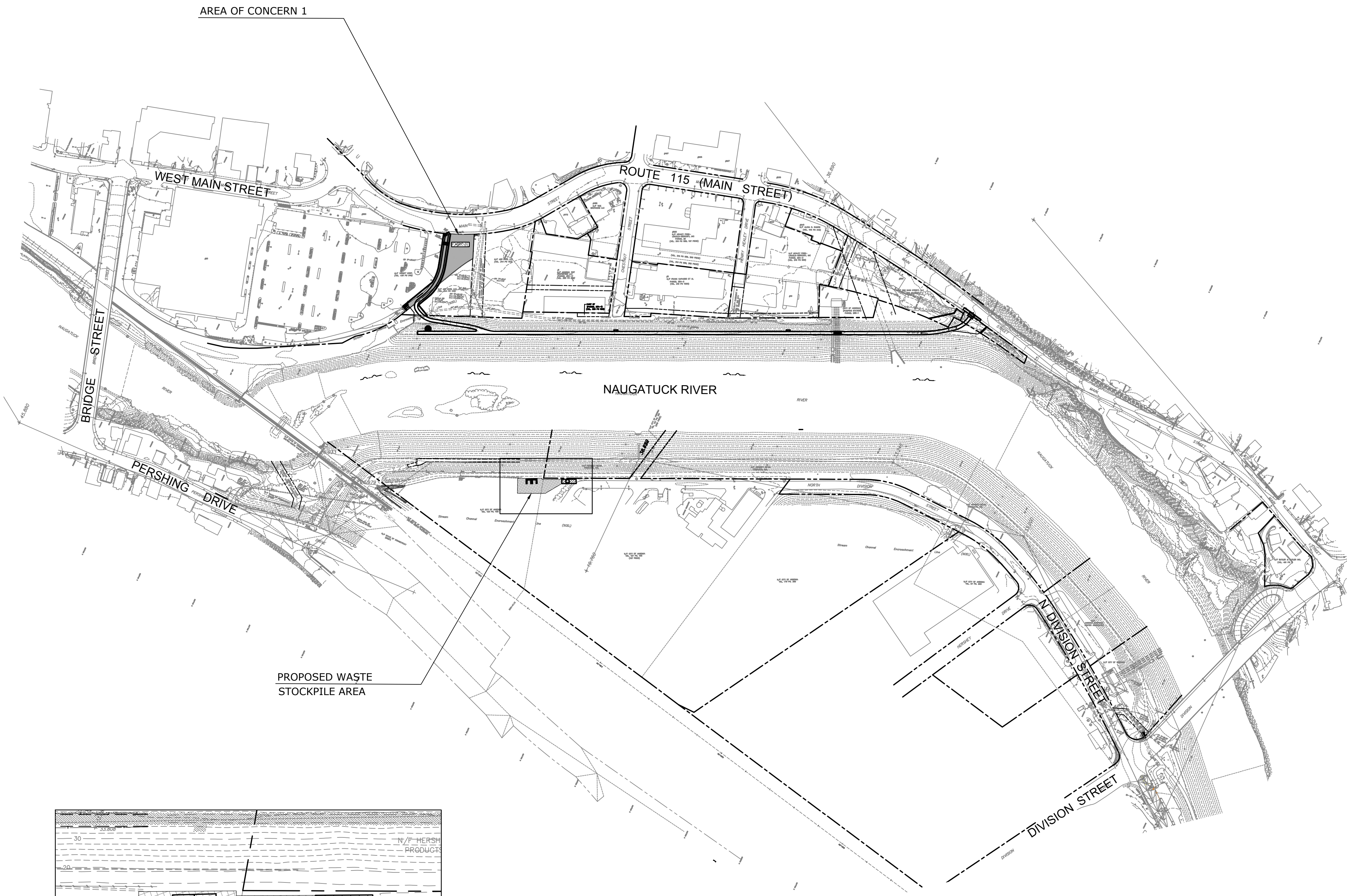
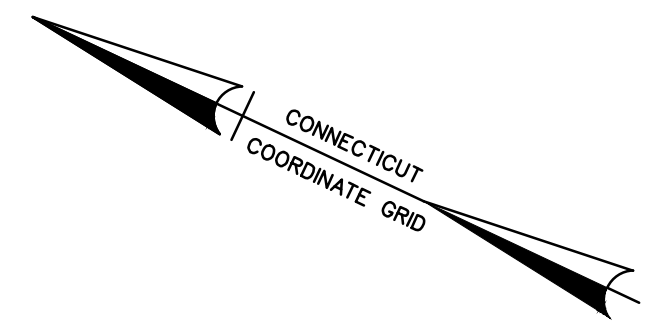
Tate & Associates, LLC
Landscape Architecture
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10 Sascos Hill Road
Fairfield, Connecticut 06824
(203) 255-9011
(203) 255-9022 fax

SIGNATURE/BLOCK:
DESIGNED BY:
LUGHES CONSULTING ENGINEERS, LLC
89 COLONY STREET
MERIDEN, CT 06451

PROJECT TITLE:
CONSTRUCTION OF ANSONIA RIVERWALK - SEGMENTS 3 & 4 PREPARED FOR THE CITY OF ANSONIA

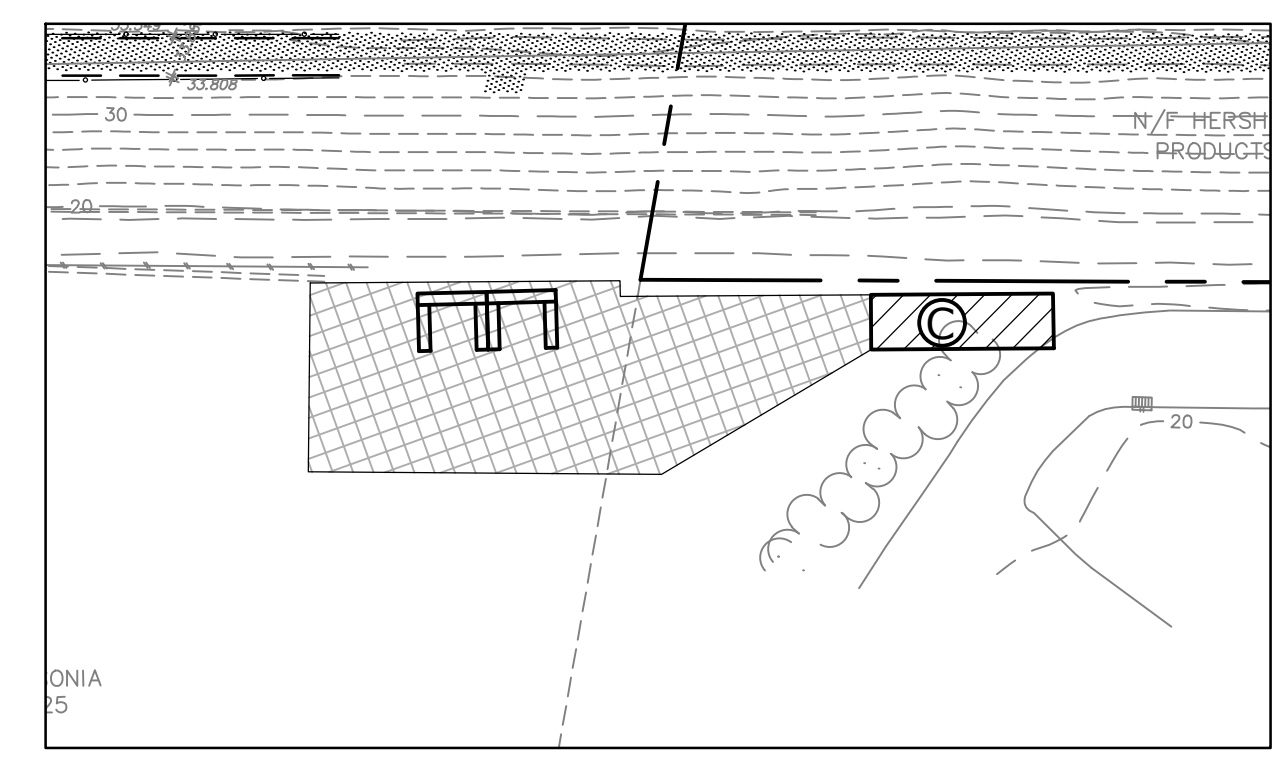
TOWN:
ANSONIA
DRAWING TITLE:
AREAS OF ENVIRONMENTAL CONCERN

PROJECT NO.:
02-128
DRAWING NO.:
AOEC-1
SHEET NO.:
03.25



NOTES:
 1. CONSTRUCT WASTE STOCKPILE AREA (WSA) IN THE ANSONIA TRANSFER STATION SITE ON NORTH DIVISION STREET USING PLASTIC LINERS AND JUMBO CONCRETE BLOCKS PRIOR TO EXCAVATION. NOTIFY OWNER'S ENVIRONMENTAL REPRESENTATIVE PRIOR TO EARTHMOVING ACTIVITY FOR OBSERVATION AND TESTING. MOVE EXCAVATED SOIL INTO WSA FOR TESTING, COVER SOIL STOCKPILES WITH PLASTIC AND RE-USE IN ACCORDANCE WITH PROJECT MANUAL AFTER TEST RESULTS ARE COMPLETED.
 2. DISMANTLE WSA AFTER THE MAJORITY OF EARTHWORK IS COMPLETE. EXCAVATE ANY REMAINING IMPACTED SOIL AND RE-USE OR DISPOSE OF OFF-SITE.

1 WASTE STOCKPILE AREA WSA
 SCALE: 1"=4'



WASTE STOCKPILE AREA
 SCALE: 1" = 50'

LEGEND	
	WASTE STORAGE BIN
	CONSTRUCTION ENTRANCE
	PROPOSED WASTE STOCKPILE AREA
	AREA OF ENVIRONMENTAL CONCERN (AOEC)

C:\Projects\DD Projects\515112 Ansonia Riverwalk_Seg 3 and 4\Design\AEC_SEG 3_4_SFD.dwg

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	DATE PLOTTED:
				6/01/2020

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DESIGNER/DRAFTER:
 CHECKED BY:
 SCALE IN FEET
 SCALE NOTED

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 LUCHS CONSULTING ENGINEERS, LLC
 89 COLONY STREET
 MERIDEN, CT 06451

PROJECT TITLE:
CONSTRUCTION OF ANSONIA RIVERWALK - SEGMENTS 3 & 4 PREPARED FOR THE CITY OF ANSONIA

TOWN:
ANSONIA
 DRAWING TITLE:
WASTE STOCKPILE AREA PLAN

PROJECT NO.:
02-128
 DRAWING NO.:
WSA-1
 SHEET NO.:
03.26

WELCOME TO THE ANSONIA RIVERWALK TRAIL

- TRAILS ARE OPEN FROM SUNRISE TO SUNSET.
- MOTORIZED VEHICLES ARE NOT PERMITTED. WHEELCHAIRS ARE EXEMPT.
- ALCOHOL IS PROHIBITED ON TRAILS IN PARK SYSTEMS.
- TRAIL SPEED LIMITED TO 8 MPH.
- PEDESTRIANS ALWAYS HAVE THE RIGHT OF WAY.
- KEEP RIGHT, ALWAYS PASS ON LEFT, GIVING AUDIBLE WARNING TO PEDESTRIANS, SKATERS AND OTHER BICYCLISTS.
- TEAM UP AND CARRY CELL PHONE IF POSSIBLE.
- PROTECTIVE GEAR INCLUDING HELMETS, IS ENCOURAGED.
- MAINTAIN SINGLE FILE WHEN OTHERS ARE WITHIN 100'.
- KEEP DOGS ON LEASH AND CLEAN UP AFTER YOUR PET. PLEASE DO NOT LITTER.
- DO NOT LEAVE SMALL CHILDREN UNATTENDED ON TRAIL.
- STATE AND LOCAL LAWS ARE ENFORCED.

30"x30" SIGN FACE SHEET ALUMINUM WITH BROWN TYPE IV REFLECTIVE SHEETING COPY TO BE INSTALLED ON A SINGLE POST AND PAID UNDER "SIGN FACE SHEET ALUMINUM - TYPE IV RETROREFLECTIVE SHEETING".

12" WHITE STOP BAR (HOT APPLIED PAINTED PAVEMENT MARKING)

2 31-1727Z *

NO MOTOR VEHICLES

1 51-7873 *

RELOCATE EXISTING LANE USE SIGN

(BLANK BROWN W/ WHITE TEXT SHOWN)

ROUTE 115

3 31-0532Z *

STOP

(MAIN STREET)

RIVERWALK BANNER POLE

4" YELLOW HOT APPLIED PAINTED PAVEMENT MARKINGS

4 41-4512 *

REMOVABLE BOLLARD AND STRIPING (TYP.) SEE BOLLARD STRIPING DETAIL

5 41-0507 *

PATH ENDS

FORMER CHEEVER STREET LOT EASEMENT IN FAVOR OF THE CITY OF ANSONIA

CHESTNUT STREET

CHESTNUT STREET

MATCH LINE STA. 40+50 (SEE DRAWING NO. SPM-2)

- PAVEMENT MARKING NOTES:**
1. ALL FINAL PAVEMENT MARKINGS TO BE HOT APPLIED PAINTED PAVEMENT MARKINGS.
 2. PAVEMENT MARKINGS SHALL BE INSTALLED AS INDICATED ON THE PLAN OR AS DIRECTED BY THE ENGINEER. ALL CONFLICTING PAVEMENT MARKINGS WITHIN THE LIMITS OF PAVEMENT MARKINGS SHALL BE REMOVED.
 3. MATCH TO EXISTING PAVEMENT MARKINGS AT LIMITS OF PAVEMENT MARKINGS.
 4. ALL PAVEMENT MARKINGS SHALL BE MAINTAINED BY THE CITY OF ANSONIA.
- SIGNING NOTES:**
1. INSTALL ALL SIGNS AS INDICATED.
 2. ALL EXISTING SIGNS OUTSIDE THE LIMITS OF SIGNING ARE TO REMAIN UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
 3. EXACT SIGN LOCATIONS TO BE VERIFIED BY THE ENGINEER.
 4. WHEN A SIGN IS TO BE REPLACED, THE EXISTING SIGN SHALL NOT BE REMOVED UNTIL THE NEW REPLACEMENT SIGN IS INSTALLED.
 5. PERMANENT REMOVAL OF EXISTING SIGNS SHALL BE PAID UNDER ITEM NO. 1206023A - REMOVAL AND RELOCATION OF EXISTING SIGNS.
 6. SIGNS SHALL NOT BE PLACED LESS THAN 10 FEET FROM UTILITY POLES.
 7. ALL SIGNS TO BE MAINTAINED BY THE CITY OF ANSONIA.
- * SIGNS TO BE MOUNTED ON 4"x4" WOOD POSTS SEE DETAIL "A" FOR INSTALLATION OF WOOD POSTS AND SIGNS. THIS WORK TO BE PAID FOR UNDER THE APPROPRIATE SIGN FACE-SHEET ALUMINUM (TYPE) ITEM.

30"

30"

NAUGATUCK

RIVER

RIVERWALK (TYP.)

SPLIT RAIL FENCE (BOTH SIDES, TYP.)

DESIGNER/DRAFTER:

CHECKED BY:

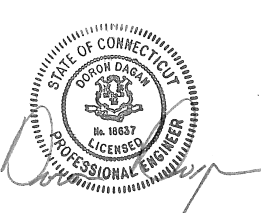
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0 40 80
SCALE 1"=40'

DeCarlo & Doll, Inc.
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(203) 379-0276 fax

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(203) 255-9011
(203) 255-9022 fax

SIGNATURE/BLOCK:

DESIGNED BY:
LUCAS CONSULTING ENGINEERS, LLC
89 COLONY STREET
MERIDEN, CT 06451



PROJECT TITLE:

CONSTRUCTION OF ANSONIA RIVERWALK - SEGMENTS 3 & 4 PREPARED FOR THE CITY OF ANSONIA

TOWN:

ANSONIA

DRAWING TITLE:

SIGNING & PAVEMENT MARKING PLAN MAIN STREET TO EAST DIKE STA. 29+50 - STA. 40+00

PROJECT NO.:

02-128

DRAWING NO.:

SPM-1

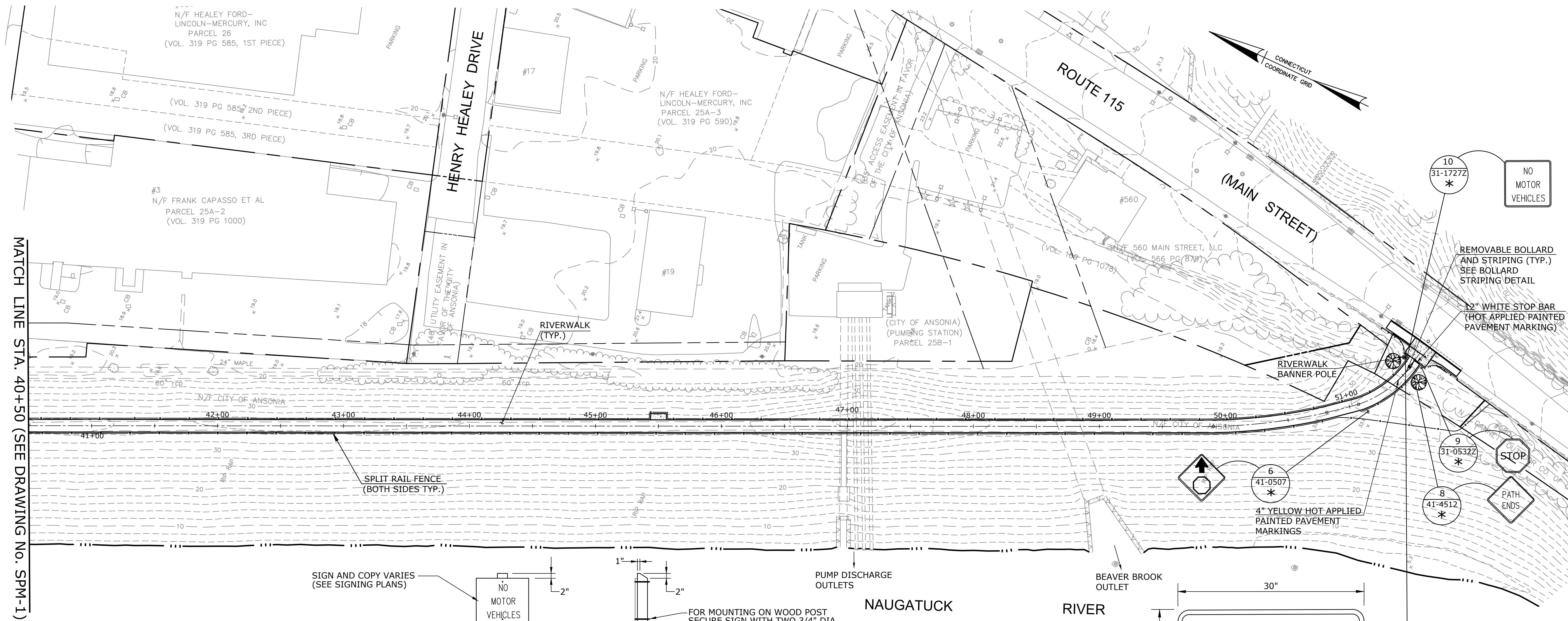
SHEET NO.:

04.02

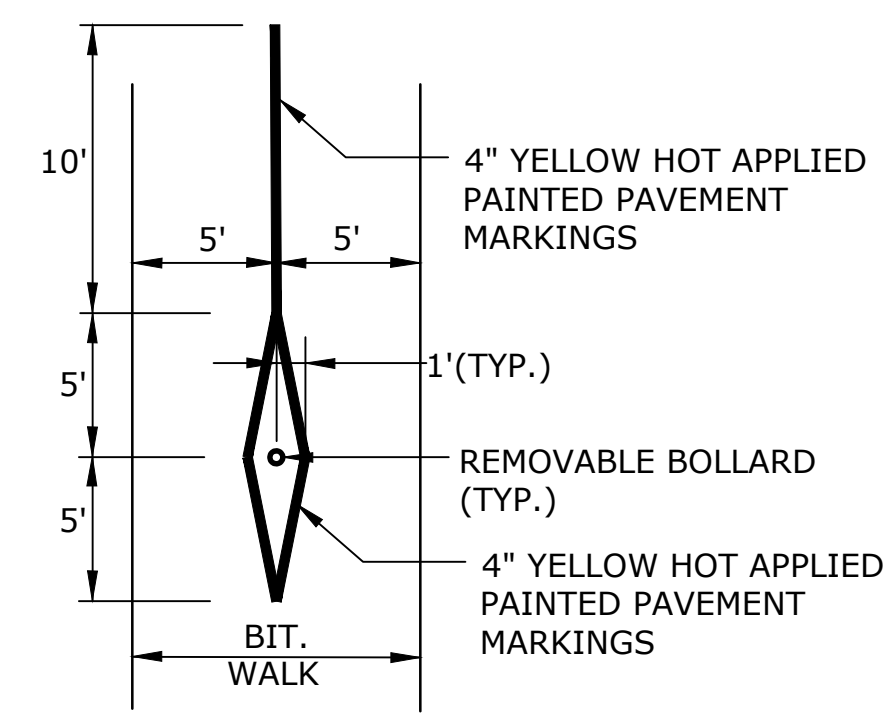
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REV.	DATE	REVISION DESCRIPTION	SHEET NO.	DATE PLOTTED:
				6/02/2020

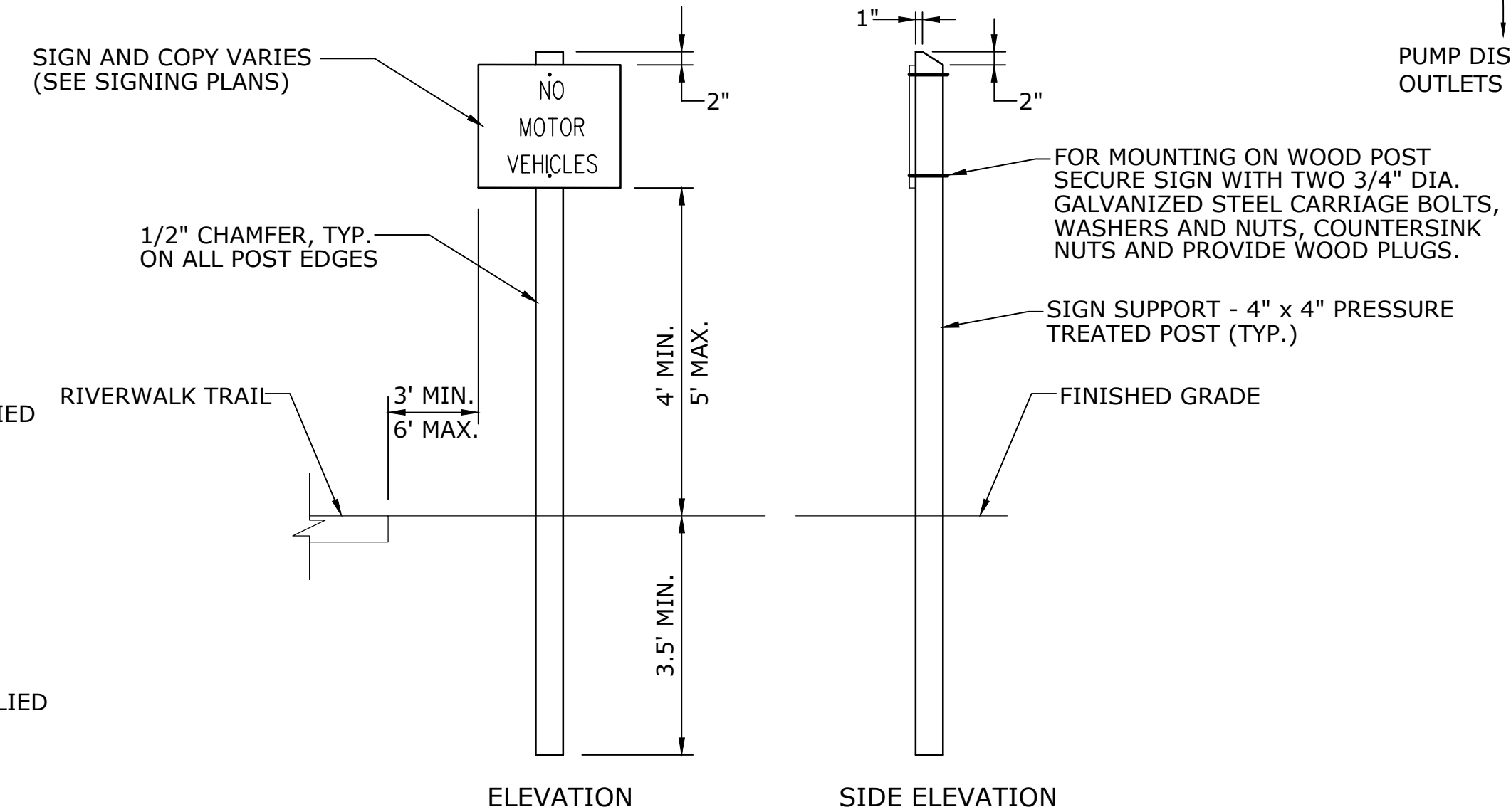
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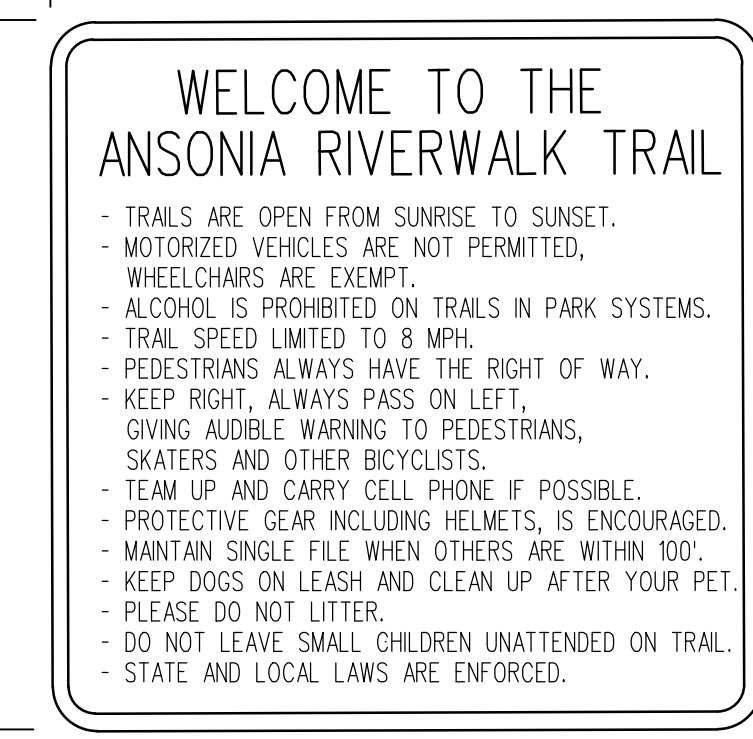
MATCH LINE STA. 40+50 (SEE DRAWING NO. SPM-1)



REMOVABLE BOLLARD STRIPING DETAIL
N.T.S.



DETAIL "A"
TYPICAL INSTALLATION OF WOOD POST AND SIGN
N.T.S.



30"X30" SIGN FACE SHEET ALUMINUM WITH BROWN TYPE IV REFLECTIVE SHEETING COPY TO BE INSTALLED ON A SINGLE POST AND PAID UNDER "SIGN FACE SHEET ALUMINUM - TYPE IV RETROREFLECTIVE SHEETING".

7
31-7873
*
(BLANK BROWN W/ WHITE TEXT SHOWN)

G:\Projects\DD\Projects\51912 Ansonia Riverwalk_Seg 3 and 4\Design\SPM_Plans_SEG 3-4.dwg

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	DATE PLOTTED:
				6/02/2020

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DESIGNER/DRAFTER:
CHECKED BY:
SCALE IN FEET
SCALE 1"=40'

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SIGNATURE/BLOCK:
DESIGNED BY:
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PROJECT TITLE:
CONSTRUCTION OF ANSONIA RIVERWALK - SEGMENTS 3 & 4 PREPARED FOR THE CITY OF ANSONIA

TOWN:
ANSONIA
DRAWING TITLE:
SIGNING & PAVEMENT MARKING PLAN EAST DIKE TO MAIN STREET STA. 40+50 - STA. 51+84

PROJECT NO.:
02-128
DRAWING NO.:
SPM-2
SHEET NO.:
04.03

R1 - SERIES		R2 - SERIES		R3 - SERIES				R4 - SERIES		R5 - SERIES	
R1-1 LEGEND - WHITE BACKGROUND - RED AREA (SQ. FT) SIZE (INCHES) D.O.T. # POSTS ALUM. THK. 1.85 18 31-0532 1 .080 5.19 30 31-0552 1 .080 7.98 36 31-0553 1 .080 13.3 48 31-0557 2 .100	R2-1 LEGEND - WHITE BACKGROUND - WHITE AREA (SQ. FT) SIZE (INCHES) D.O.T. # POSTS ALUM. THK. 5.00 24X30 31-5505 1 .080 7.50 30X36 31-5504 1 .080 12.00 36X48 31-5506 2 .100 20.00 48X60 31-5507 2 .100	R3-1 LEGEND - BLACK BACKGROUND - WHITE CIRCLE & DIAGONAL - RED AREA (SQ. FT) SIZE (INCHES) D.O.T. # POSTS ALUM. THK. 4.00 24X24 31-1604 1 .080 9.00 36X36 31-1627 2 .080	R3-5 31-0183 31-0184	R3-6 31-0175	R3-8 31-0282 31-0283	R3-8b 31-0302 31-0302	R4-1 	R4-16 	R5-1 LEGEND - WHITE BACKGROUND - WHITE CIRCLE - RED AREA (SQ. FT) SIZE (INCHES) D.O.T. # POSTS ALUM. THK. 6.25 30X30 31-1119 1 .080 9.00 36X36 31-1120 2 .080 16.00 48X48 31-1121 2 .100	R5-10a(CT) 	
R1-2 LEGEND - RED BACKGROUND - WHITE AREA (SQ. FT) SIZE (INCHES) D.O.T. # POSTS ALUM. THK. 0.97 18 31-0520 1 .080 3.90 36 31-0523 1 .080 6.77 48 31-0522 2 .100 10.83 60 31-0528 2 .100	R2-4a LEGEND - WHITE BACKGROUND - WHITE AREA (SQ. FT) SIZE (INCHES) D.O.T. # POSTS ALUM. THK. 32 48X96 31-5510 2 .125	R3-2 LEGEND - BLACK BACKGROUND - WHITE CIRCLE & DIAGONAL - RED AREA (SQ. FT) SIZE (INCHES) D.O.T. # POSTS ALUM. THK. 4.00 24X24 31-1603 1 .080 9.00 36X36 31-1629 2 .080	R3-6 31-0157 31-0158	R3-8 31-0290	R3-8 31-0295 31-0219	R3-8b 31-0307 31-0372	R4-3 	R5-1a LEGEND - WHITE BACKGROUND - RED AREA (SQ. FT) SIZE (INCHES) D.O.T. # POSTS ALUM. THK. 6.00 36X24 31-1122 2 .080 8.75 42X30 31-1123 2 .100	R5-11 LEGEND - WHITE BACKGROUND - RED AREA (SQ. FT) SIZE (INCHES) D.O.T. # POSTS ALUM. THK. 5.00 30X24 31-1790 1 .080 20.00 48X36 31-1792 2 .100		
R1-3P LEGEND - WHITE BACKGROUND - RED AREA (SQ. FT) SIZE (INCHES) D.O.T. # POSTS ALUM. THK. 0.75 18X6 31-0508 .080		R3-3 	R3-7 	R3-8 31-0222 31-0223	R3-8 31-0279	R3-8b 31-0334 31-0370	R4-7 	R5-10a(CT) LEGEND - BLACK TOP SECTION BACKGROUND - YELLOW BOTTOM SECTION BACKGROUND - WHITE AREA (SQ. FT) SIZE (INCHES) D.O.T. # POSTS ALUM. THK. 5.00 24X30 31-1526 1 .080 12.00 36X48 31-1536 2 .100 20.00 48X60 31-1546 2 .100	R5-11 		
		R3-4 LEGEND - BLACK BACKGROUND - WHITE CIRCLE & DIAGONAL - RED AREA (SQ. FT) SIZE (INCHES) D.O.T. # POSTS ALUM. THK. 4.00 24X24 31-1622 1 .080 9.00 36X36 31-1632 2 .080	R3-7 	R3-8 31-0262 31-0261		R3-8b 31-0370 31-0371		R5-10c LEGEND - BLACK AREA (SQ. FT) SIZE (INCHES) D.O.T. # POSTS ALUM. THK. 2.00 24X12 31-1774 1 .080			

R6 - SERIES		R7 - SERIES		R8 - SERIES		R9 - SERIES		R10 - SERIES				R11 - SERIES		RETROREFLECTIVE STRIP	
R6-1 LEGEND - WHITE BACKGROUND - RED AREA (SQ. FT) SIZE (INCHES) D.O.T. # POSTS ALUM. THK. 3.00 36X12 31-1188 1 .080 6.75 54X18 31-1189 2 .100	R7-1 LEGEND - RED BACKGROUND - WHITE AREA (SQ. FT) SIZE (INCHES) D.O.T. # POSTS ALUM. THK. 1.50 12X18 31-0630 1 .080	R8-7 LEGEND - BLACK BACKGROUND - WHITE CIRCLE & DIAGONAL - RED AREA (SQ. FT) SIZE (INCHES) D.O.T. # POSTS ALUM. THK. 12.00 48X36 31-0670 2 .100	R9-3 LEGEND - BLACK BACKGROUND - WHITE CIRCLE & DIAGONAL - RED AREA (SQ. FT) SIZE (INCHES) D.O.T. # POSTS ALUM. THK. 2.25 18X18 31-1705 1 .080 4.00 24x24 31-1769 1 .080 6.25 30x30 31-1770 1 .080	R10-6 31-0801 31-0802	R10-11b 	R10-11c(CT) LEGEND - N/A AREA (SQ. FT) SIZE (INCHES) D.O.T. # POSTS ALUM. THK. 7.50 30X36 31-0847 1 .080 20.00 48X60 31-1918 2 .100	R11-1 	RETROREFLECTIVE STRIP LEGEND - N/A AREA (SQ. FT) SIZE (INCHES) D.O.T. # POSTS ALUM. THK. 1.00 4X48 31-5003 1 .080 2.00 4X72 31-5004 1 .080							
R6-1 LEGEND - WHITE BACKGROUND - RED AREA (SQ. FT) SIZE (INCHES) D.O.T. # POSTS ALUM. THK. 3.00 36X12 31-1177 1 .080 6.75 54X18 31-1178 2 .100	R7-2a LEGEND - RED BACKGROUND - WHITE AREA (SQ. FT) SIZE (INCHES) D.O.T. # POSTS ALUM. THK. 1.50 12X18 31-0603 1 .080		R9-3a 	R10-7 	R10-10L 	R10-11a LEGEND - N/A AREA (SQ. FT) SIZE (INCHES) D.O.T. # POSTS ALUM. THK. 7.50 30X36 31-0830 1 .080 12.00 36X48 31-0819 2 .100									

NOTES:

- THE LEGEND "O.S.T.A." SHALL APPEAR ON ALL R- SERIES SIGNS EXCEPT WHEN SUFFIXED WITH THE LETTER "Z".
- FOR SPECIFIC SIGN DESIGN CONTACT CONN. D.O.T., DIVISION OF TRAFFIC ENGINEERING. FOR BOLT HOLE PATTERN REFER TO FHWA PUBLICATION "STANDARD HIGHWAY SIGNS". SIGNS OF DIFFERENT DIMENSIONS TO BE ERRECTED ON THE SAME POSTS, OR SPAN/MAST ARM MOUNTED, MAY REQUIRE SPECIAL BOLT HOLE PATTERNS.
- POSTS - SEE STANDARD SHEET TR-1208_02 - "METAL SIGN POSTS AND SIGN MOUNTING DETAILS."
- POSTS SHALL BE 4 LBS./FT.
- SIGNS SHALL BE FABRICATED OF ONE CONTINUOUS PIECE OF SHEET ALUMINUM. SPLICING OF SHEET ALUMINUM WILL NOT BE ACCEPTED.
- FOR OVERHEAD MOUNTED SIGNS, SEE STANDARD SHEET TR-1114_01 - "BONDING AND UTILITY POLE ATTACHMENT DETAILS, SIGN HANGER, "Y" CLAMP DETAIL."




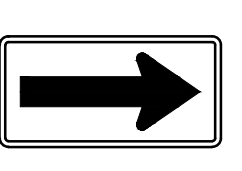

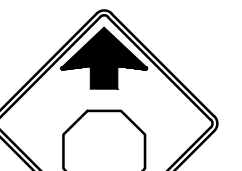



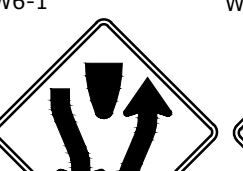



COLORS:



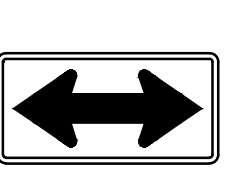

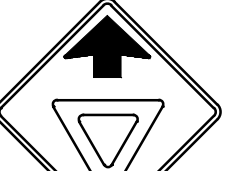
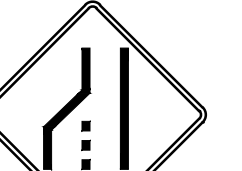
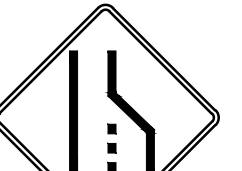
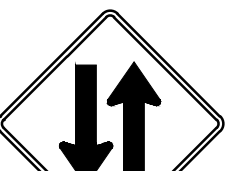

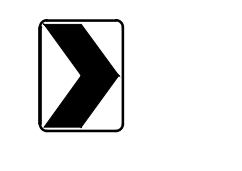
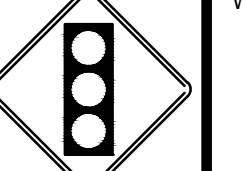



BACKGROUND - WHITE - EXCEPT AS NOTED.
LEGEND - BLACK - EXCEPT AS NOTED.
ALL SIGNS TO USE TYPE IX RETROREFLECTIVE SHEETING.








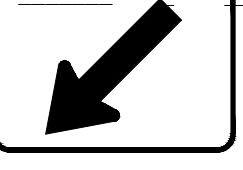
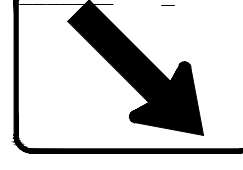

THIS SIGN ADDED FOR THIS PROJECT ONLY.



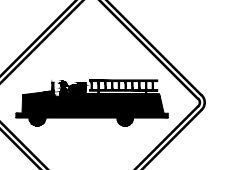

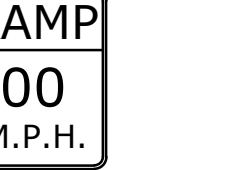
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REV.	DATE	REVISION DESCRIPTION	SHEET NO.	DATE PLOTTED: 6/02/2020	DESIGNER/DRAFTER:	DeCarlo & Doll, Inc. Professional Engineering & Land Surveying 89 Colony Street Meriden, Connecticut 06451 (203) 379-0467 (203) 379-0276 fax	Tate & Associates, LLC Landscape Architecture Environmental Site Planning Urban Design 10 Sacco Hill Road Fairfield, Connecticut 06824 (203) 255-9011 (203) 255-9022 fax	SIGNATURE/BLOCK:	LUGHES CONSULTING ENGINEERS, LLC 89 COLONY STREET MERIDEN, CT 06451	PROJECT TITLE:	CONSTRUCTION OF ANSONIA RIVERWALK - SEGMENTS 3 & 4 PREPARED FOR THE CITY OF ANSONIA	TOWN:	ANSONIA	PROJECT NO.:	02-128
					CHECKED BY:							DRAWING TITLE:	SIGN FACE SHEET ALUMINUM R-SERIES TYPICAL SIGN DETAILS	DRAWING NO.:	TR-GS_01
					SCALE AS NOTED	FILENAME:							SHEET NO.:	04.04	

S - SERIES	W1 - SERIES			W2 - SERIES			W3 - SERIES			W4 - SERIES			W5 - SERIES			W6 - SERIES			W7 - SERIES			W8 - SERIES		
S1-1  LEGEND - BLACK BACKGROUND - FLUORESCENT YELLOW GREEN AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 6.75 36 41-2112 1 .080 12.00 48 41-2113 2 .100	W1-1L  AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 6.25 30 41-4006 1 .080 9.00 36 41-4031 1 .080	W1-1R  AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 6.25 30 41-4005 1 .080 9.00 36 41-4160 1 .080	W1-6  LEGEND - BLACK BACKGROUND - FLUORESCENT YELLOW (LEFT OR RIGHT) AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 8.00 48X24 41-4223 2 .100 12.50 60X30 41-4262 2 .100	W2-1  AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 6.25 30 41-4226 1 .080 9.00 36 41-4236 1 .080	W3-1  OCTAGON - RED AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 6.25 30 41-0501 1 .080 16.00 48 41-0503 2 .100	W4-1  AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 9.00 36 41-4448 1 .080 16.00 48 41-4452 2 .100	W4-1  AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 9.00 36 41-4449 1 .080 16.00 48 41-4459 2 .100	W5-1  ROAD NARROWS AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 9.00 36 41-4402 1 .080 16.00 48 41-4404 2 .100	W6-1  AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 9.00 36 41-4335 1 .080 16.00 48 41-4330 2 .100	W6-2  AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 9.00 36 41-4335 1 .080 16.00 48 41-4330 2 .100	W7-1  AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 6.25 30 41-4506 1 .080 16.00 48 41-4508 2 .100	W8-5  AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 6.25 30 41-4519 1 .080 9.00 36 41-4520 1 .080 16.00 48 41-4521 2 .100												

W1-2  AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 6.25 30 41-4029 1 .080 9.00 36 41-4169 1 .080	W1-2  AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 6.25 30 41-4168 1 .080 9.00 36 41-4032 1 .080	W1-7  AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 8.00 48X24 41-4207 2 .100 12.50 60X30 41-4208 2 .100	W2-2  (LEFT OR RIGHT) AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 6.25 30 41-4225 1 .080 9.00 36 41-4235 1 .080	W3-2  TRIANGLE - RED & WHITE AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 6.25 30 41-0504 1 .080 16.00 48 41-0506 2 .100	W4-2  AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 9.00 36 41-4442 1 .080 16.00 48 41-4446 2 .100	W4-2  AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 9.00 36 41-4441 1 .080 16.00 48 41-4447 2 .100	W6-3  AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 9.00 36 41-4329 1 .080 16.00 48 41-4331 2 .100	PATH ENDS  AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 2.25 18 41-4512 1 .080
W1-8  LEGEND - BLACK BACKGROUND - FLUORESCENT YELLOW (LEFT OR RIGHT) AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 3.00 18X24 41-3951 1 .080 7.50 30X36 41-4211 1 .080 12.00 36X48 41-4260 2 .080	W3-3  SYMBOL & LEGEND - BLACK BACKGROUND - YELLOW TOP CIRCLE - RED BOTTOM CIRCLE - GREEN AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 6.25 30 41-0835 1 .080 16.00 48 41-0848 2 .100	W4-3  AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 9.00 36 41-4468 1 .080 16.00 48 41-4435 2 .100	W4-3  AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 9.00 36 41-4470 1 .080 16.00 48 41-4434 2 .100	WHEN FLASHING STOP AHEAD  W/ FLASHERS AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 25.00 60 41-0534 2 .125	THIS SIGN ADDED FOR THIS PROJECT ONLY.			

W9 - SERIES			W11 - SERIES			W12 - SERIES			W13 - SERIES			W16 - SERIES			RETROREFLECTIVE STRIP		
W9-1  AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 9.00 36 41-4443 1 .080 16.00 48 41-4444 2 .100	W9-1  AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 9.00 36 41-4440 1 .080 16.00 48 41-4445 2 .100	W11-2  LEGEND - BLACK BACKGROUND - FLUORESCENT YELLOW GREEN AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 6.25 30 41-4829 1 .080 9.00 36 41-4830 1 .080	W12-1  AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 6.25 30 41-4213 1 .080 9.00 36 41-4215 1 .080	W12-2  AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 9.00 36 41-4706 1 .080 16.00 48 41-4708 2 .100	W13-1P  (SUBPLATE) AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 2.25 18X18 41-5566 .080 4.00 24X24 41-5567 .080 6.25 30X30 41-5574 .080	W16-2aP  (SUBPLATE) USE AT ADVANCE SIGN LOCATION LEGEND - BLACK BACKGROUND - FLUORESCENT YELLOW GREEN AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 2.00 24X12 41-6140 .080	W16-2PL  (SUBPLATE) USE AT CROSSWALK LEGEND - BLACK BACKGROUND - FLUORESCENT YELLOW GREEN AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 2.00 24X12 41-2617 .080	W16-2PR  (SUBPLATE) USE AT CROSSWALK LEGEND - BLACK BACKGROUND - FLUORESCENT YELLOW GREEN AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 2.00 24X12 41-2619 .080	W16-9P  (SUBPLATE) USE AT ADVANCE SIGN LOCATION LEGEND - BLACK BACKGROUND - FLUORESCENT YELLOW GREEN AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 2.00 24X12 41-6126 .080 3.75 30X18 41-6137 .080	LEGEND - N/A BACKGROUND - FLUORESCENT YELLOW GREEN AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 2.00 4X72 41-5010 1 .080			LEGEND - N/A BACKGROUND - FLUORESCENT YELLOW AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 1.50 4X48 41-5001 1 .080 2.00 4X72 41-5006 1 .080				

W9-2  AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 9.00 36 41-4454 1 .080 16.00 48 41-4456 2 .100	W9-2  AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 9.00 36 41-4453 1 .080 16.00 48 41-4455 2 .100	W11-8  AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 6.25 30 41-4680 1 .080 9.00 36 41-4681 1 .080	LEFT LANE (SUBPLATE) AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 5.00 30X24 41-4721 .080	RIGHT LANE (SUBPLATE) AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 5.00 30X24 41-4722 .080	W13-2  AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 12.00 36X48 41-5596 2 .100	W16-2aP 41-6130 000 FT 41-6134 0000 FT (SUBPLATE) USE AT ADVANCE SIGN LOCATION AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 2.00 24X12 41-6130 .080 3.75 30X18 41-6134 .080	<p>NOTES:</p> <ol style="list-style-type: none"> FOR SPECIFIC SIGN DESIGN CONTACT CONN. D.O.T., DIVISION OF TRAFFIC ENGINEERING. FOR BOLT HOLE PATTERN REFER TO FHWA PUBLICATION "STANDARD HIGHWAY SIGNS". SIGNS OF DIFFERENT DIMENSIONS TO BE ERECTED ON THE SAME POSTS, OR SPAN/MAST ARM MOUNTED, MAY REQUIRE SPECIAL BOLT HOLE PATTERNS. POSTS - SEE STANDARD SHEET TR-1208_02 "METAL SIGN POSTS AND SIGN MOUNTING DETAILS." POSTS SHALL BE 4 LBS./FT. SIGNS SHALL BE FABRICATED OF ONE CONTINUOUS PIECE OF SHEET ALUMINUM. SPLICING OF SHEET ALUMINUM WILL NOT BE ACCEPTED. FLUORESCENT YELLOW RETROREFLECTIVE STRIPS SHALL BE INSTALLED ON ALL SIGN POSTS FOR W1-6 AND W1-8 SIGNS. FLUORESCENT YELLOW GREEN RETROREFLECTIVE STRIPS SHALL BE INSTALLED ON ALL SIGN POSTS FOR S1-1 AND W11-2 SIGNS LOCATED AT CROSSINGS. RETROREFLECTIVE STRIPS SHOULD NOT BE INSTALLED ON ADVANCE CROSSING WARNING SIGNS. SEE STANDARD SHEET TR-1208_01 "SIGN PLACEMENT AND RETROREFLECTIVE STRIP DETAILS" FOR RETROREFLECTIVE STRIP DETAILS AND INSTALLATION. <p>COLORS: BACKGROUND - YELLOW - EXCEPT AS NOTED. LEGEND - BLACK - EXCEPT AS NOTED. ALL SIGNS TO USE TYPE IX RETROREFLECTIVE SHEETING.</p>			W13-3  AREA (SQ. FT) SIZE (INCHES) D.O.T. # CONN. # POSTS ALUM. THK. 12.00 36X48 41-5581 2 .100
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<p>THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.</p>	<p>DESIGNER/DRAFTER: CHECKED BY:</p>	<p>DeCarlo & Doll, Inc. Professional Engineering & Land Surveying 89 Colony Street Meriden, Connecticut 06451 (203) 379-0467 (203) 379-0276 fax</p>	<p>Tate & Associates, LLC Landscape Architecture Environmental Site Planning Urban Design 10 Sacco Hill Road Fairfield, Connecticut 06824 (203) 255-9011 (203) 255-9022 fax</p>	<p>SIGNATURE/ BLOCK:</p> <p>DESIGNED BY: LUGHES CONSULTING ENGINEERS, LLC 89 COLONY STREET MERIDEN, CT 06451</p>	<p>PROJECT TITLE: CONSTRUCTION OF ANSONIA RIVERWALK - SEGMENTS 3 & 4 PREPARED FOR THE CITY OF ANSONIA</p>	<p>TOWN: ANSONIA</p>	<p>PROJECT NO.: 02-128</p> <p>DRAWING NO.: TR-GS_02</p> <p>SHEET NO.: 04.05</p>
<p>REV. DATE REVISION DESCRIPTION SHEET NO. DATE PLOTTED: 6/02/2020</p>	<p>FILENAME:</p>						

C:\Projects\DD Projects\151912 Ansonia Riverwalk_Sec 3 and 4\Standard Drawings\DOT\dot\Traffic_3d\DOTDOT_TRAFFIC_CS.dwg

05 - ANSONIA FLOOD LEVEE REFERENCE INDEX OF DRAWINGS

DRAWING NUMBER	DRAWING TITLE	DRAWING NUMBER	DRAWING TITLE
AFL-1	INDEX OF DRAWINGS		
AFL-2 TO AFL-10	ANSONIA FLOOD LEVEE REFERENCE DRAWINGS		

FOR INFORMATION ONLY

REV.	DATE	REVISION	DESCRIPTION	SHEET NO.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER:
R. Lalama/E. Kerr

CHECKED BY:
D. Dagan

SCALE IN FEET

0 20 40

SCALE 1"=20'

DeCarlo & Doll, Inc.
Professional Engineering
& Land Surveying
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Meriden, Connecticut 06451
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(203) 379-0276 fax

Tate & Associates, LLC
Landscape Architecture
Environmental Site Planning
Urban Design
10 Sasco Hill Road
Fairfield, Connecticut 06824
(203) 255-9011
(205) 255-9022 fax

SIGNATURE/
BLOCK:

DESIGNED BY:
LUCHE CONSULTING ENGINEERS, LLC
89 COLONY STREET
MERIDEN, CT 06451

PROJECT TITLE:
**CONSTRUCTION OF
ANSONIA RIVERWALK - SEGMENTS 3 & 4
PREPARED FOR THE CITY OF ANSONIA**

TOWN: **ANSONIA**

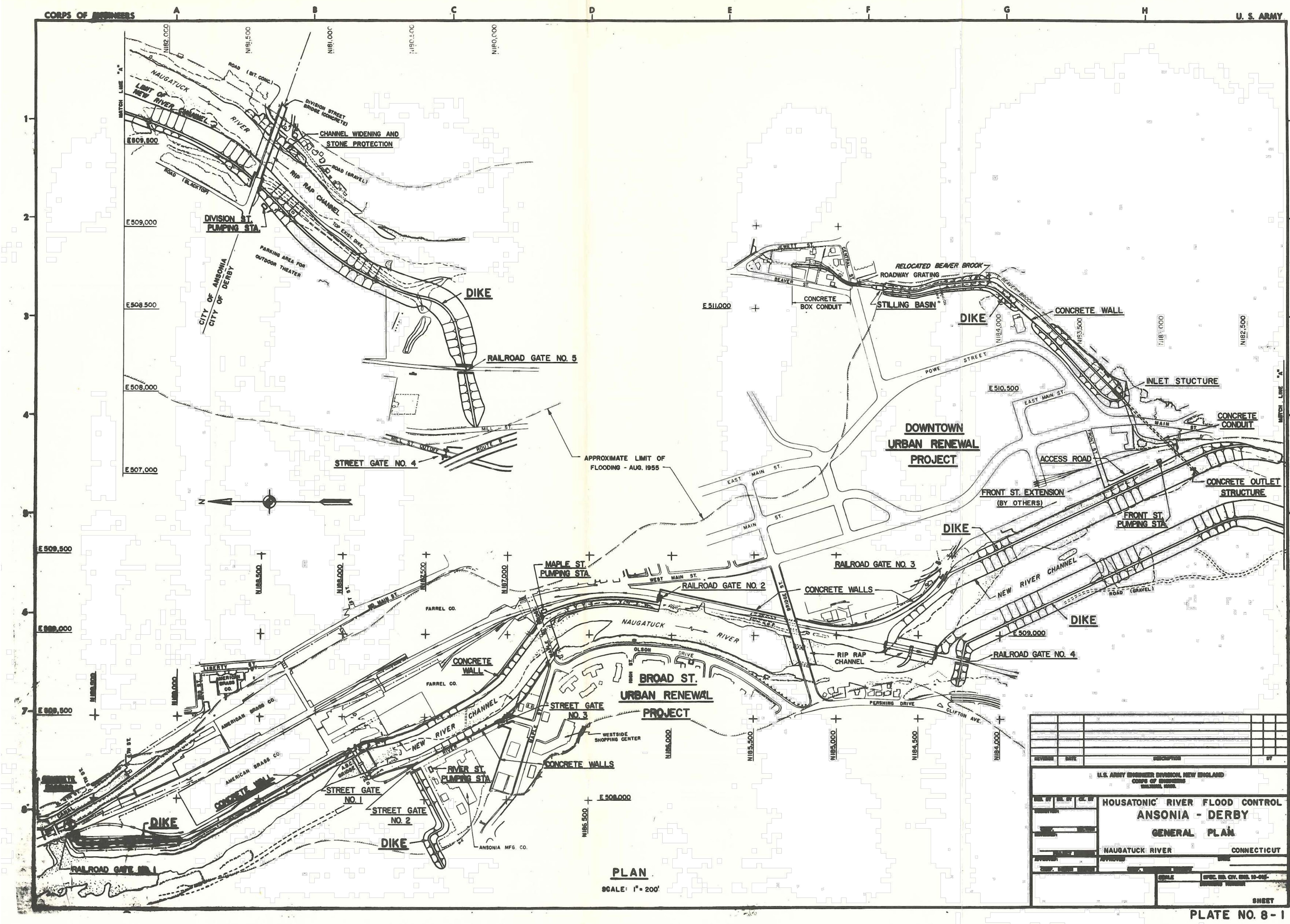
DRAWING TITLE:
SUBSET 05 COVER SHEET

PROJECT NO.: **02-128**

DRAWING NO.: **AFL-1**

SHEET NO.: **05.01**

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REVISION	DATE	DESCRIPTION	BY
U.S. ARMY ENGINEER DIVISION, NEW ENGLAND CORPS OF ENGINEERS BOSTON, MASS.			
HOUSATONIC RIVER FLOOD CONTROL ANSONIA - DERBY			
GENERAL PLAN			
NAUGATUCK RIVER		CONNECTICUT	
SCALE	SPEC. NO. CH. ENR. 10-450	DRAWING NUMBER	
SHEET			

PLATE NO. 8-1

FOR INFORMATION ONLY	
PROJECT NO.:	02-128
DRAWING NO.:	AFL-2
SHEET NO.:	05.02
TOWN:	ANSONIA
DRAWING TITLE:	ANSONIA FLOOD LEVEL REFERENCE DRAWINGS

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REV.	DATE	REVISION DESCRIPTION	SHEET NO.	DATE PLOTTED: 4/09/2019

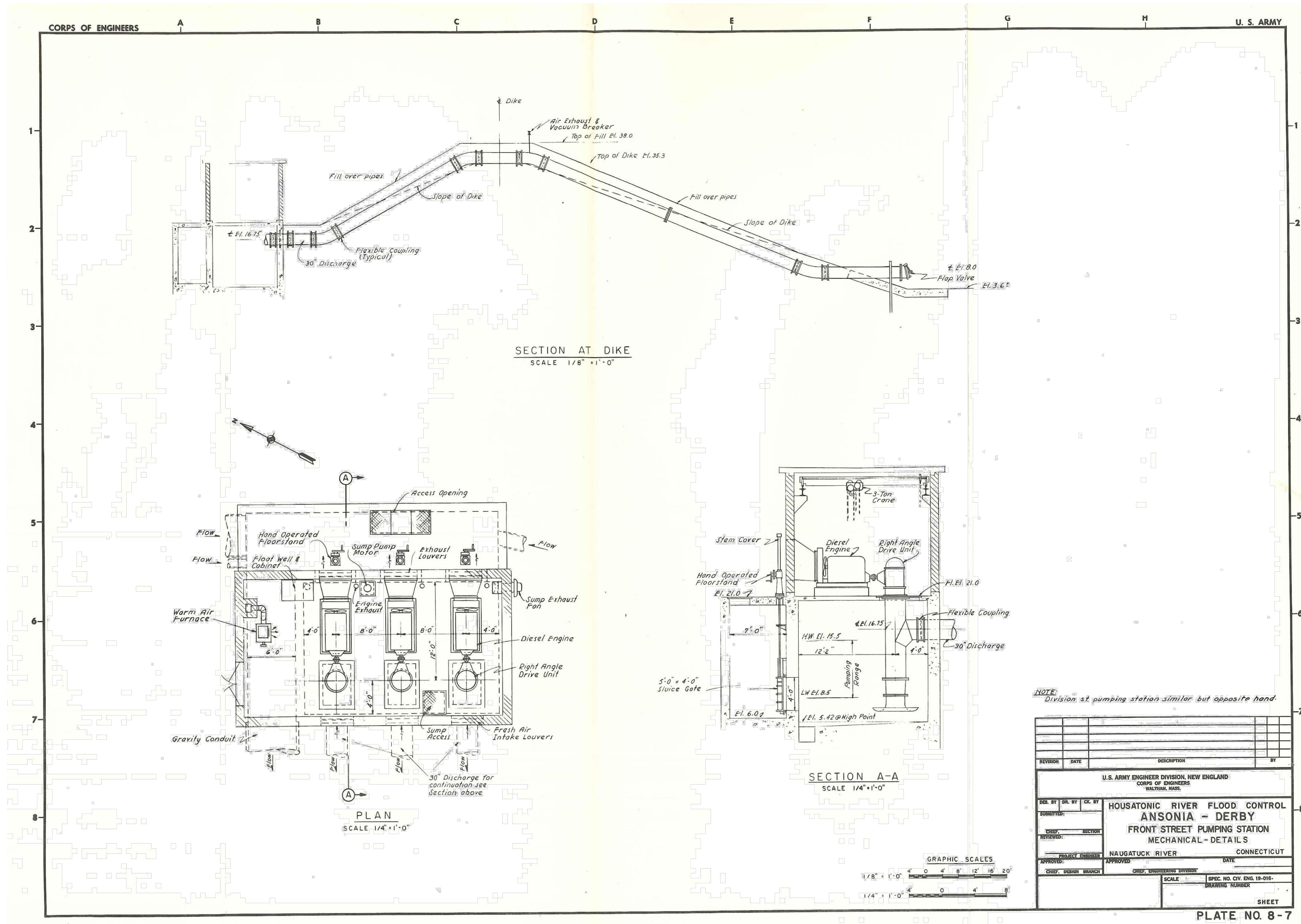
DESIGNER/DRAFTER:
CHECKED BY:
SCALE AS NOTED

DeCarlo & Doll, Inc.
Professional Engineering
& Land Surveying
89 Colony Street
Meriden, Connecticut 06451
(203) 379-0467
(203) 379-0278 fax

Tate & Associates, LLC
Landscape Architecture
Environmental Site Planning
Urban Design
10 Saco Hill Road
Fairfield, Connecticut 06424
(203) 255-9011
(203) 255-9022 fax

SIGNATURE/
BLOCK:
DESIGNED BY:
LUCAS CONSULTING ENGINEERS, LLC
89 COLONY STREET
MERIDEN, CT 06451

PROJECT TITLE:
**CONSTRUCTION OF
ANSONIA RIVERWALK - SEGMENTS 3 & 4
PREPARED FOR THE CITY OF ANSONIA**



NOTE:
Division st. pumping station similar but opposite hand.

REVISION	DATE	DESCRIPTION	BY

U.S. ARMY ENGINEER DIVISION, NEW ENGLAND
CORPS OF ENGINEERS
WALTHAM, MASS.

DES. BY: DR. BY: CK. BY: HOUSATONIC RIVER FLOOD CONTROL
SUBMITTED: ANSONIA - DERBY
CHECKED: SECTION FRONT STREET PUMPING STATION
REVIEWED: MECHANICAL - DETAILS

PROJECT NUMBER: NAUGATUCK RIVER CONNECTICUT

APPROVED: APPROVED: DATE

CHEF, DESIGN BRANCH CHEF, ENGINEERING DIVISION

SCALE: SPEC. NO. CIV. ENG. 19-016-
DRAWING NUMBER

SHEET

PLATE NO. 8-7

FOR INFORMATION ONLY

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REV.	DATE	REVISION DESCRIPTION	SHEET NO.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER:
CHECKED BY:
SCALE AS NOTED

DeCarlo & Doll, Inc.
Professional Engineering & Land Surveying
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(203) 379-0278 fax

Tate & Associates, LLC
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Environmental Site Planning
Urban Design
10 Saco Hill Road
Fairfield, Connecticut 06824
(203) 255-9011
(203) 255-9022 fax

FILENAME:

SIGNATURE/
BLOCK:

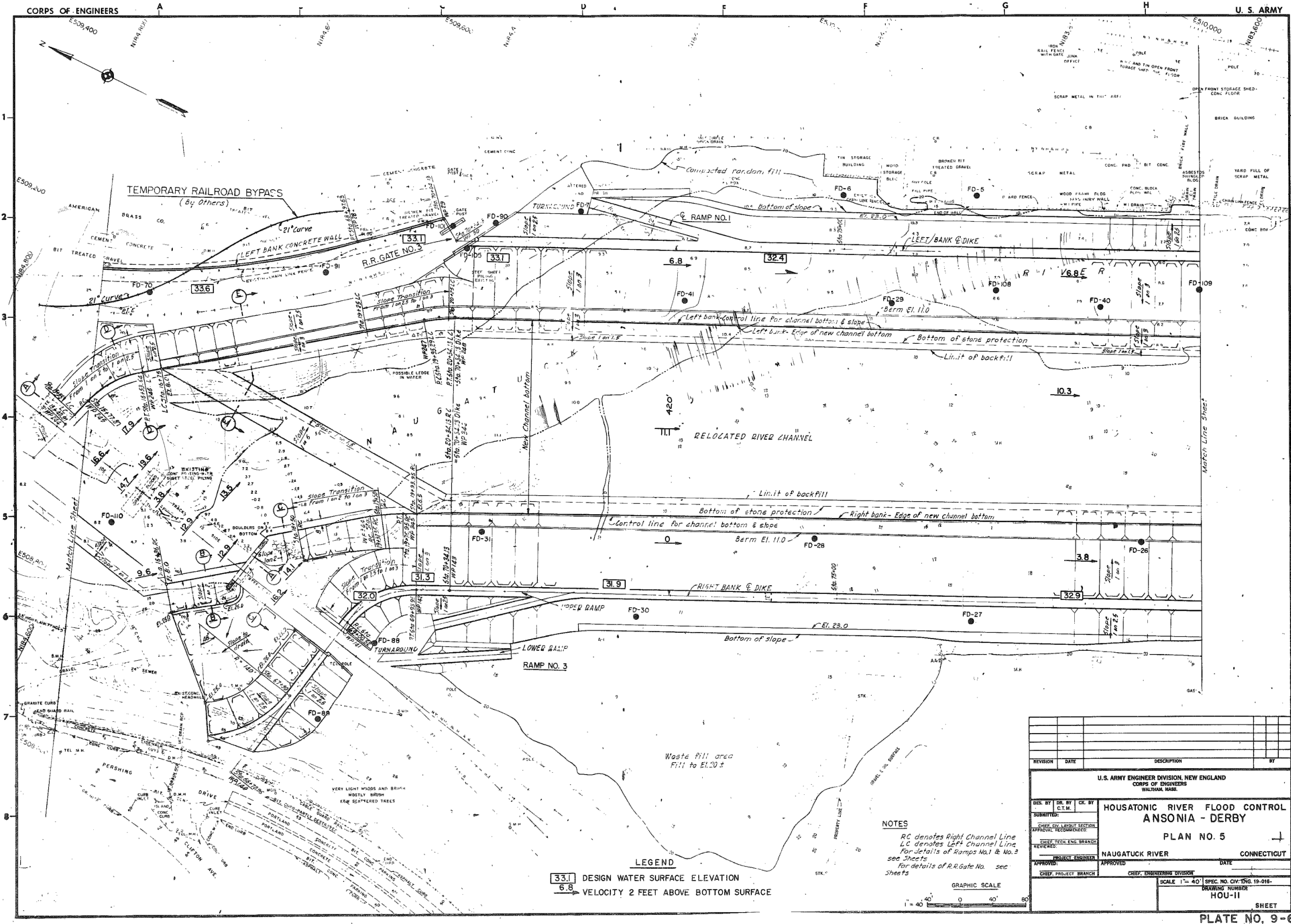
DESIGNED BY:
LUGHES CONSULTING ENGINEERS, LLC
89 COLONY STREET
MERIDEN, CT 06451

PROJECT TITLE: CONSTRUCTION OF ANSONIA RIVERWALK - SEGMENTS 3 & 4 PREPARED FOR THE CITY OF ANSONIA

TOWN: ANSONIA

DRAWING TITLE: ANSONIA FLOOD LEVEL REFERENCE DRAWINGS

PROJECT NO.: 02-128
DRAWING NO.: AFL-3
SHEET NO.: 05.03



FOR INFORMATION ONLY

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	DATE PLOTTED:
				4/09/2019

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DESIGNER/DRAFTER:
 CHECKED BY:
 SCALE AS NOTED

DeCarlo & Doll, Inc.
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 Meriden, Connecticut 06451
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 (203) 379-0276 fax

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SIGNATURE/BLOCK:
 DESIGNED BY:
 LUCHS CONSULTING ENGINEERS, LLC
 89 COLONY STREET
 MERIDEN, CT 06451

PROJECT TITLE:
CONSTRUCTION OF ANSONIA RIVERWALK - SEGMENTS 3 & 4
PREPARED FOR THE CITY OF ANSONIA

TOWN:
ANSONIA

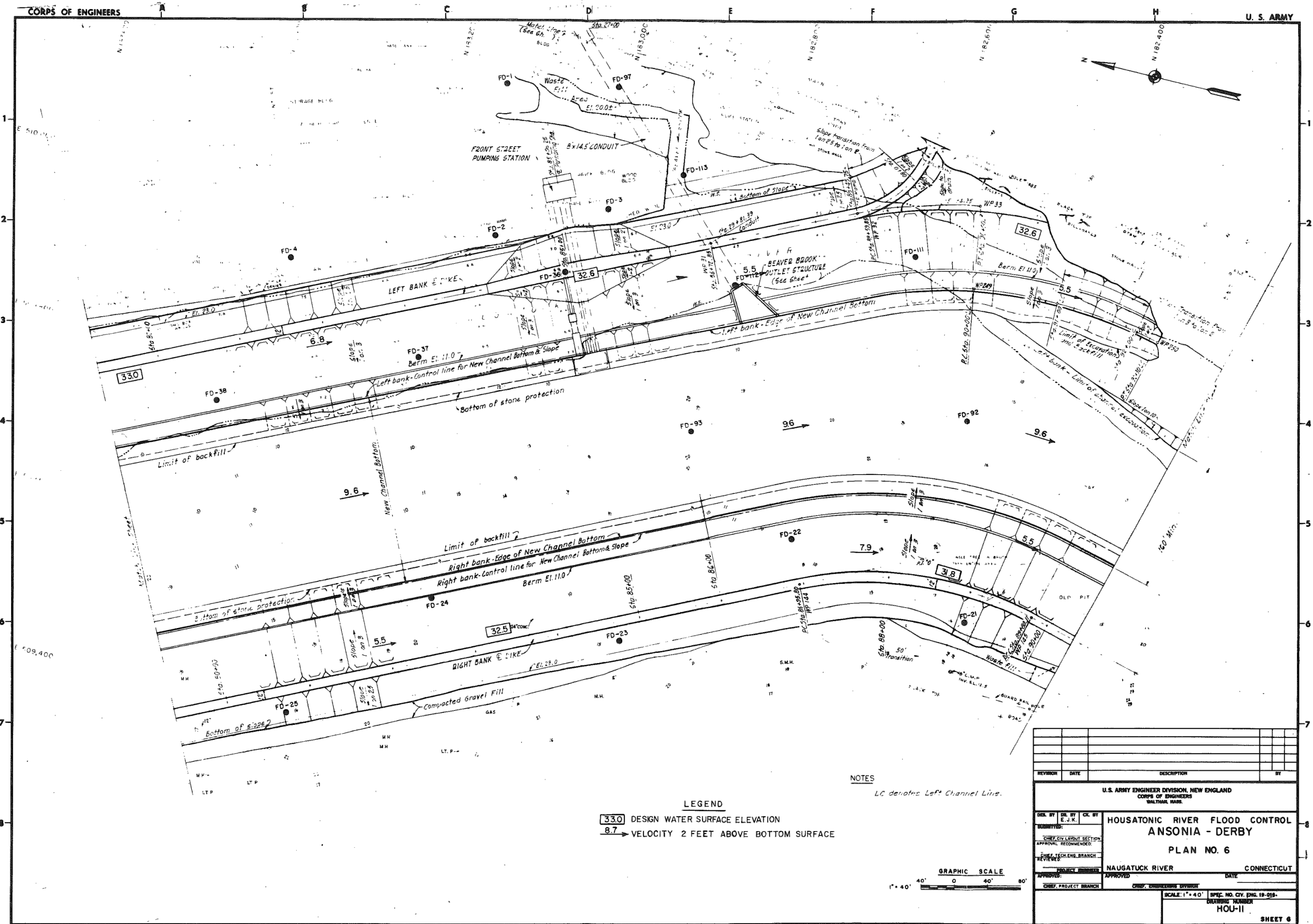
DRAWING TITLE:
ANSONIA FLOOD LEVEL REFERENCE DRAWINGS

PROJECT NO.:
02-128

DRAWING NO.:
AFL-4

SHEET NO.:
05.04

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REVISION	DATE	DESCRIPTION	BY




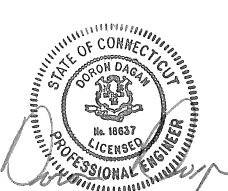
U.S. ARMY ENGINEER DIVISION, NEW ENGLAND
CORPS OF ENGINEERS
BALTIMORE, MARYLAND

DESIGNED BY: []
SUBMITTED: []
APPROVAL, CIVIL ENGINE SECTION: []
APPROVAL, RECOMMENDED: []
APPROVAL, PROJECT BRANCH: []

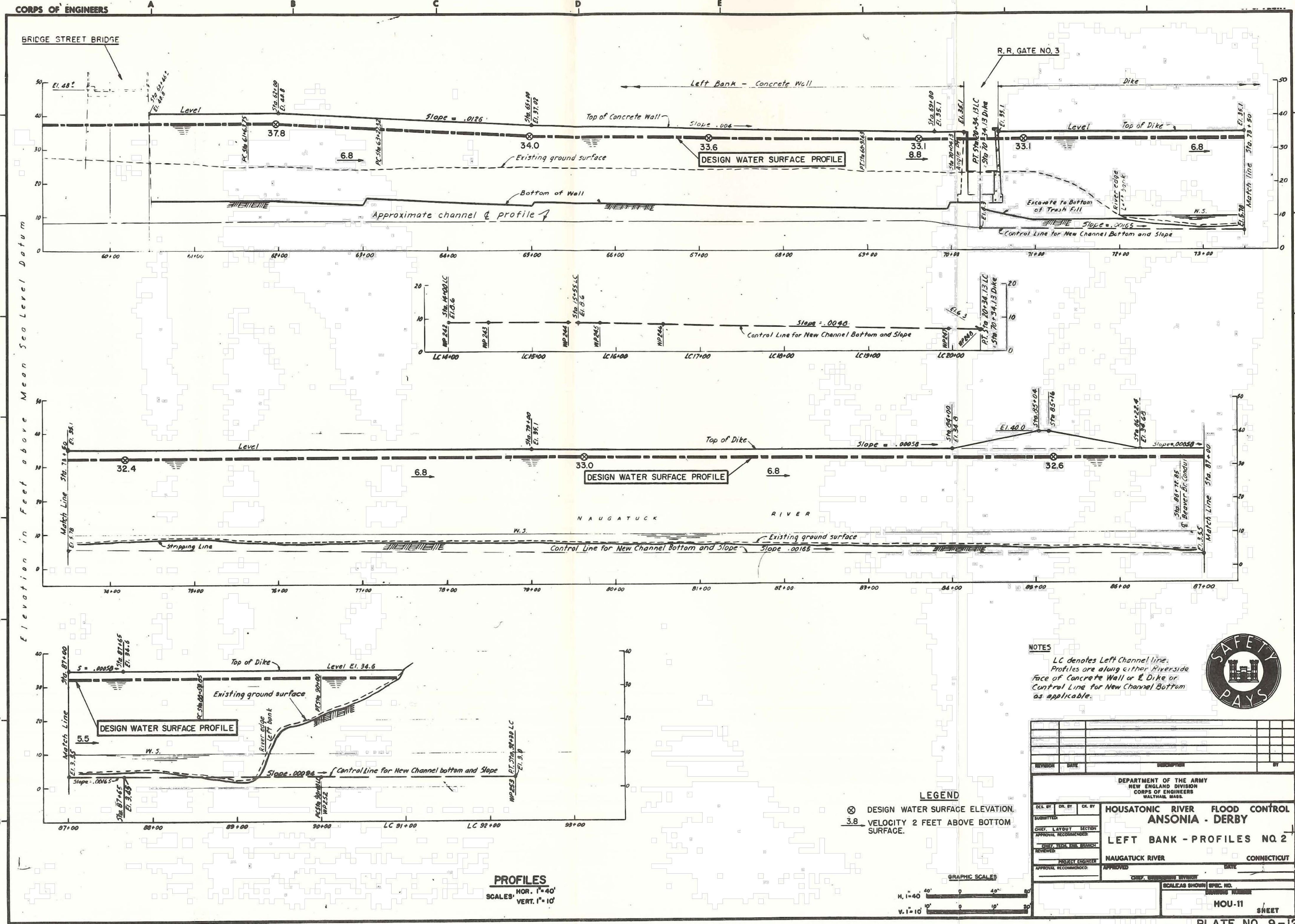
PROJECT BRANCH: NAUGATUCK RIVER CONNECTICUT
APPROVED: [] DATE: []
CHIEF, PROJECT BRANCH: []

SCALE: 1" = 40'
SPEC. NO. CIV. ENG. 19-219
DRAWING NUMBER: HOU-11
SHEET 6

FOR INFORMATION ONLY

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.	DESIGNER/DRAFTER: CHECKED BY: SCALE AS NOTED	 DeCarlo & Doll, Inc. Professional Engineering & Land Surveying 89 Colony Street Meriden, Connecticut 06451 (203) 379-0467 (203) 379-0276 fax	 Tate & Associates, LLC Landscape Architecture Environmental Site Planning Urban Design 10 Saco Hill Road Fairfield, Connecticut 06424 (203) 255-9011 (203) 255-9022 fax	SIGNATURE/BLOCK: DESIGNED BY:  LUCHS CONSULTING ENGINEERS, LLC 89 COLONY STREET MERIDEN, CT 06451	PROJECT TITLE: CONSTRUCTION OF ANSONIA RIVERWALK - SEGMENTS 3 & 4 PREPARED FOR THE CITY OF ANSONIA	TOWN: ANSONIA	PROJECT NO.: 02-128
REV. DATE REVISION DESCRIPTION SHEET NO. DATE PLOTTED: 4/09/2019	FILENAME:		DRAWING TITLE: ANSONIA FLOOD LEVEL REFERENCE DRAWINGS	DRAWING NO.: AFL-5	SHEET NO.: 05.05		

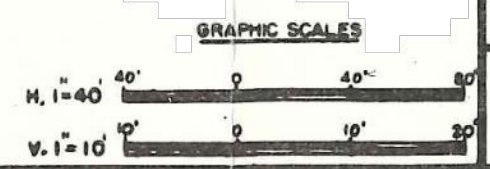
C:\Projects\DD Projects\51512 Ansonia Riverwalk_Sec 3 and 4\Design\AFL_05.dwg



NOTES
 LC denotes Left Channel line.
 Profiles are along either Riverside Face of Concrete Wall or E. Dike or Control Line for New Channel Bottom as applicable.



LEGEND
 ⊗ DESIGN WATER SURFACE ELEVATION.
 3.8 VELOCITY 2 FEET ABOVE BOTTOM SURFACE.



PROFILES
 HOR. 1" = 40'
 VERT. 1" = 10'

DEPARTMENT OF THE ARMY NEW ENGLAND DIVISION CORPS OF ENGINEERS WALTHAM BASE			
SUBMITTED: HOUSATONIC RIVER FLOOD CONTROL ANSONIA - DERBY			
LEFT BANK - PROFILES NO. 2			
NAUGATUCK RIVER		CONNECTICUT	
APPROVED	DATE	APPROVED	DATE
CHIEF ENGINEER		SUPERVISOR	
SCALE: AS SHOWN (VIC. NO. 11)			
HOU-11		SHEET	
PI. ATE NO. 9-12			

FOR INFORMATION ONLY

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REV.	DATE	REVISION DESCRIPTION	SHEET NO.	DATE PLOTTED: 4/09/2019

DESIGNER/DRAFTER:
 CHECKED BY:
 SCALE AS NOTED

DeCarlo & Doll, Inc.
 Landscape Architecture
 & Land Surveying
 89 Colony Street
 Meriden, Connecticut 06451
 (203) 379-0467
 (203) 379-0278 fax

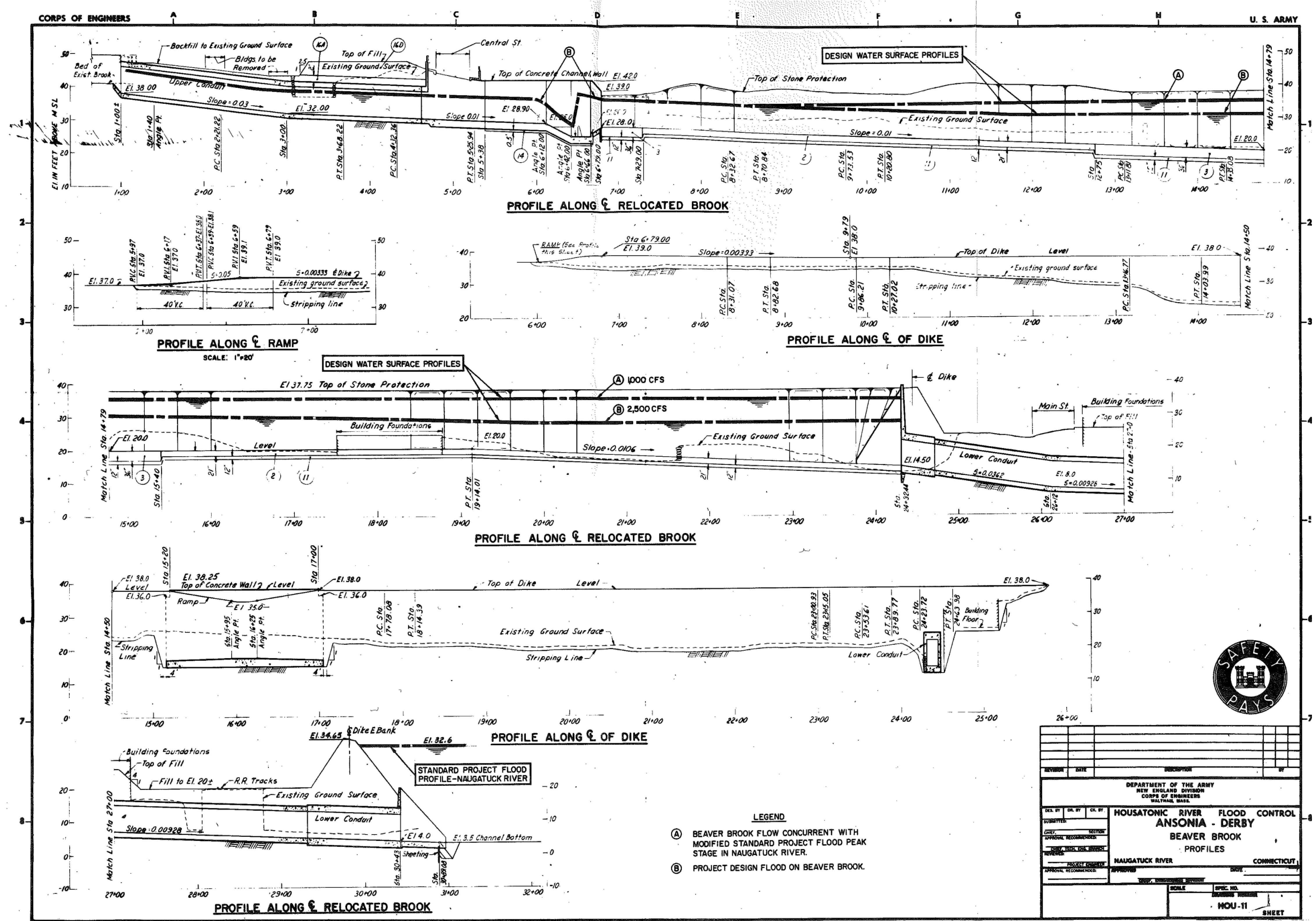
Tate & Associates, LLC
 Landscape Architecture
 Environmental Site Planning
 Urban Design
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 (203) 255-9011
 (203) 255-9022 fax

SIGNATURE/BLOCK:
 DESIGNED BY:
 LUCHS CONSULTING ENGINEERS, LLC
 89 COLONY STREET
 MERIDEN, CT 06451

PROJECT TITLE:
**CONSTRUCTION OF
 ANSONIA RIVERWALK - SEGMENTS 3 & 4
 PREPARED FOR THE CITY OF ANSONIA**

TOWN:
ANSONIA
 DRAWING TITLE:
**ANSONIA FLOOD LEVEL
 REFERENCE DRAWINGS**

PROJECT NO.:
02-128
 DRAWING NO.:
AFL-6
 SHEET NO.:
05.06



FOR INFORMATION ONLY

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REV.	DATE	REVISION DESCRIPTION	SHEET NO.	DATE PLOTTED
				4/09/2019

DESIGNER/DRAFTER:
 CHECKED BY:
 SCALE AS NOTED

DeCarlo & Doll, Inc.
 Professional Engineering & Land Surveying
 89 Colony Street
 Meriden, Connecticut 06451
 (203) 379-0467
 (203) 379-0276 fax

Tate & Associates, LLC
 Landscape Architecture
 Environmental Site Planning
 Urban Design
 10 Sasco Hill Road
 Fairfield, Connecticut 06424
 (203) 255-9011
 (203) 255-9022 fax

FILENAME:

SIGNATURE/
 BLOCK:
 DESIGNED BY:
 LUCHS CONSULTING ENGINEERS, LLC
 89 COLONY STREET
 MERIDEN, CT 06451

PROJECT TITLE:
**CONSTRUCTION OF
 ANSONIA RIVERWALK - SEGMENTS 3 & 4
 PREPARED FOR THE CITY OF ANSONIA**

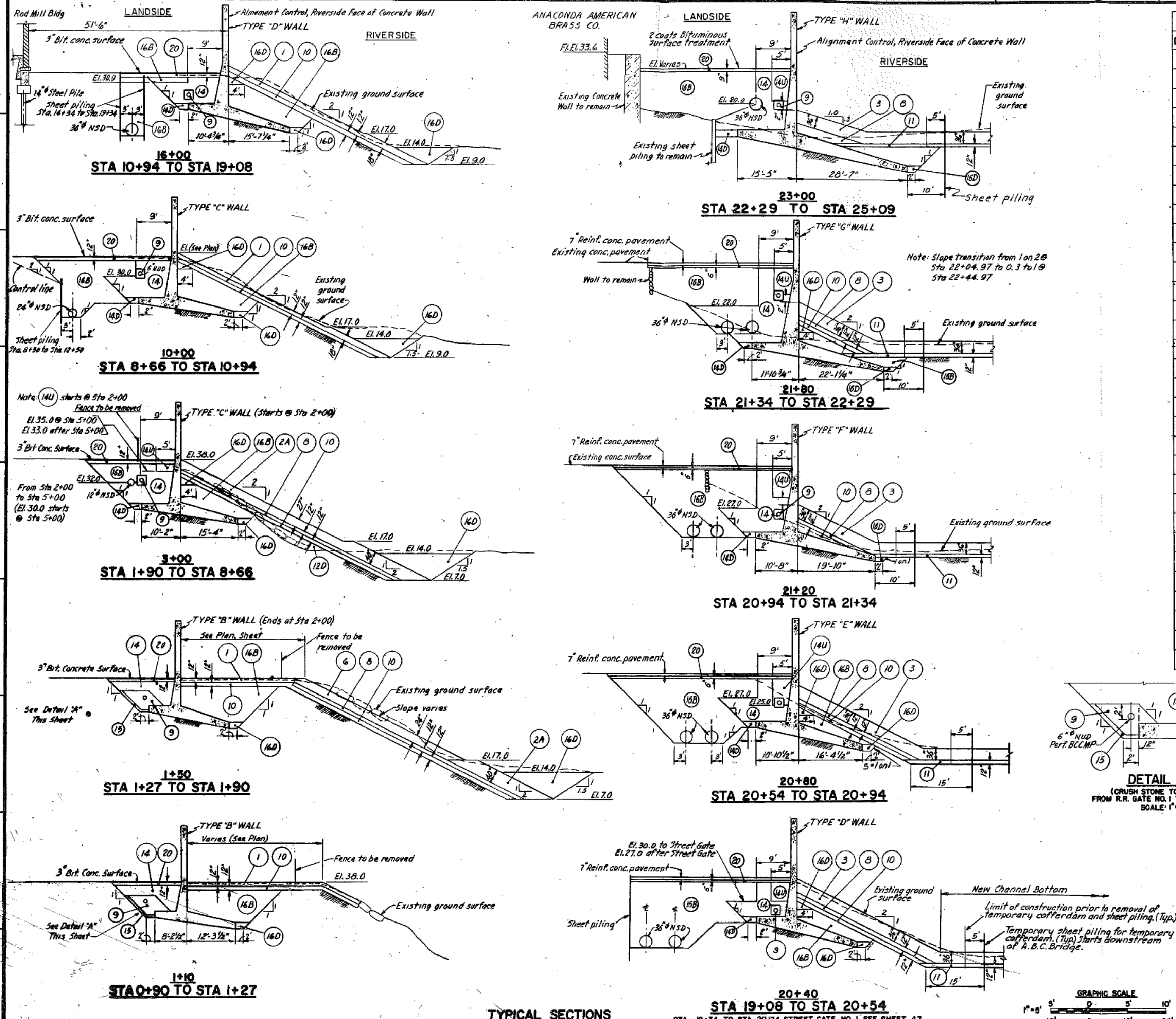
TOWN:
ANSONIA

DRAWING TITLE:
**ANSONIA FLOOD LEVEL
 REFERENCE DRAWINGS**

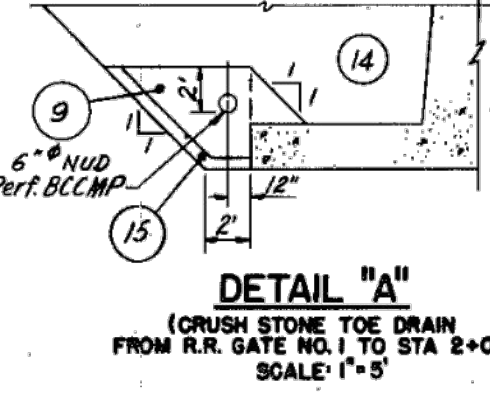
PROJECT NO.:
02-128

DRAWING NO.:
AFL-7

SHEET NO.:
05.07



MATERIALS LEGEND		
DESIGNATION	TYPE OF MATERIAL	PAYMENT ITEM NO.
1	Class I Stone Protection	14
2	Class II Stone Protection	15
2A	Class II A Stone Protection	16
3	Class III Stone Protection	17
4	Class III Stone Protection	18
6	Class VI Stone Protection	19
7	Class VII Stone Protection	20
8	Stone Bedding	22
9	Crushed Stone Fill	9
10	Class I Gravel Bedding	12
11	Class II Gravel Bedding	13
12	Compacted Gravel Fill	7
12U	Uncompacted Gravel Fill	7
12D	Dumped Gravel Fill	7
13	Road Gravel	11
14	Compacted Sand Fill	8
14U	Uncompacted Sand Fill	8
14D	Dumped Sand Fill	8
15	Filter Sand Fill	10
16A	Class "A" Compacted Random Fill	6
16B	Class "B" Compacted Random Fill	6
16U	Uncompacted Random Fill	6
16D	Dumped Random Fill	6
17	Deleted	
17	Topsoil	119
18	Compacted Pervious Fill	5
18U	Uncompacted Pervious Fill	5
18D	Dumped Pervious Fill	5
19	Compacted Impervious Fill	4
19U	Uncompacted Impervious Fill	4
19D	Dumped Impervious Fill	4
20	Rolled Gravel Base	



DEPARTMENT OF THE ARMY
 NEW ENGLAND DIVISION
 CORPS OF ENGINEERS
 WALTHAM, MASS.

HOUSATONIC RIVER FLOOD CONTROL
ANSONIA - DERBY
LEFT BANK
TYPICAL SECTIONS NO. 1

NAUGATUCK RIVER CONNECTICUT

APPROVED: _____ DATE: _____
 CHIEF, DISTRICT OFFICE

SCALE AS SHOWN

HOU-11 SHEET 31
 PLATE NO. 9-23

C:\Projects\DD Projects\51512 Ansonia Riverwalk, Sec 3 and 4\Design\AFL_08.dwg

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	DATE PLOTTED:
				4/09/2019

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TOWN:
ANSONIA

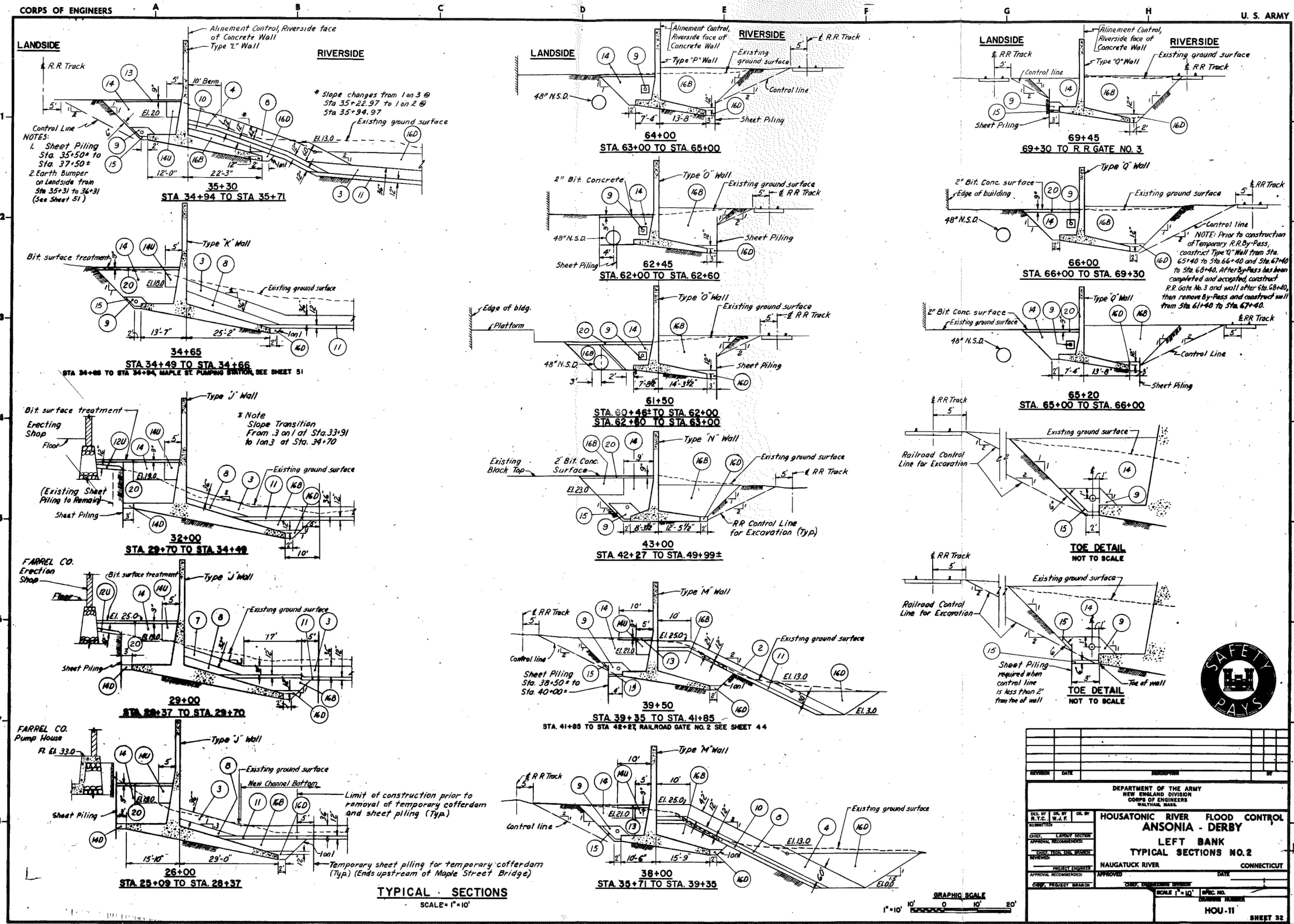
DRAWING TITLE:
**ANSONIA FLOOD LEVEL
 REFERENCE DRAWINGS**

PROJECT NO.:
02-128

DRAWING NO.:
AFL-8

SHEET NO.:
05.08

FOR INFORMATION ONLY



TYPICAL SECTIONS
SCALE = 1" = 10'

DESIGNED BY	CHK BY	DATE	DESCRIPTION
APPROVED BY	DATE		
DEPARTMENT OF THE ARMY NEW ENGLAND DIVISION CORPS OF ENGINEERS WALTHAM, MASS.			
HOUSATONIC RIVER FLOOD CONTROL ANSONIA - DERBY LEFT BANK TYPICAL SECTIONS NO. 2			
PROJECT NUMBER		CONNECTICUT	
APPROVED		DATE	
SCALE 1" = 10'		SHEET NO.	
HOU-11		SHEET 32	

PLATE NO. 9-24

FOR INFORMATION ONLY

C:\Projects\DD Projects\51512 Ansonia Riverwalk, Sec 3 and 4\Design\AFL_09.dwg

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	DATE PLOTTED:
				4/09/2019

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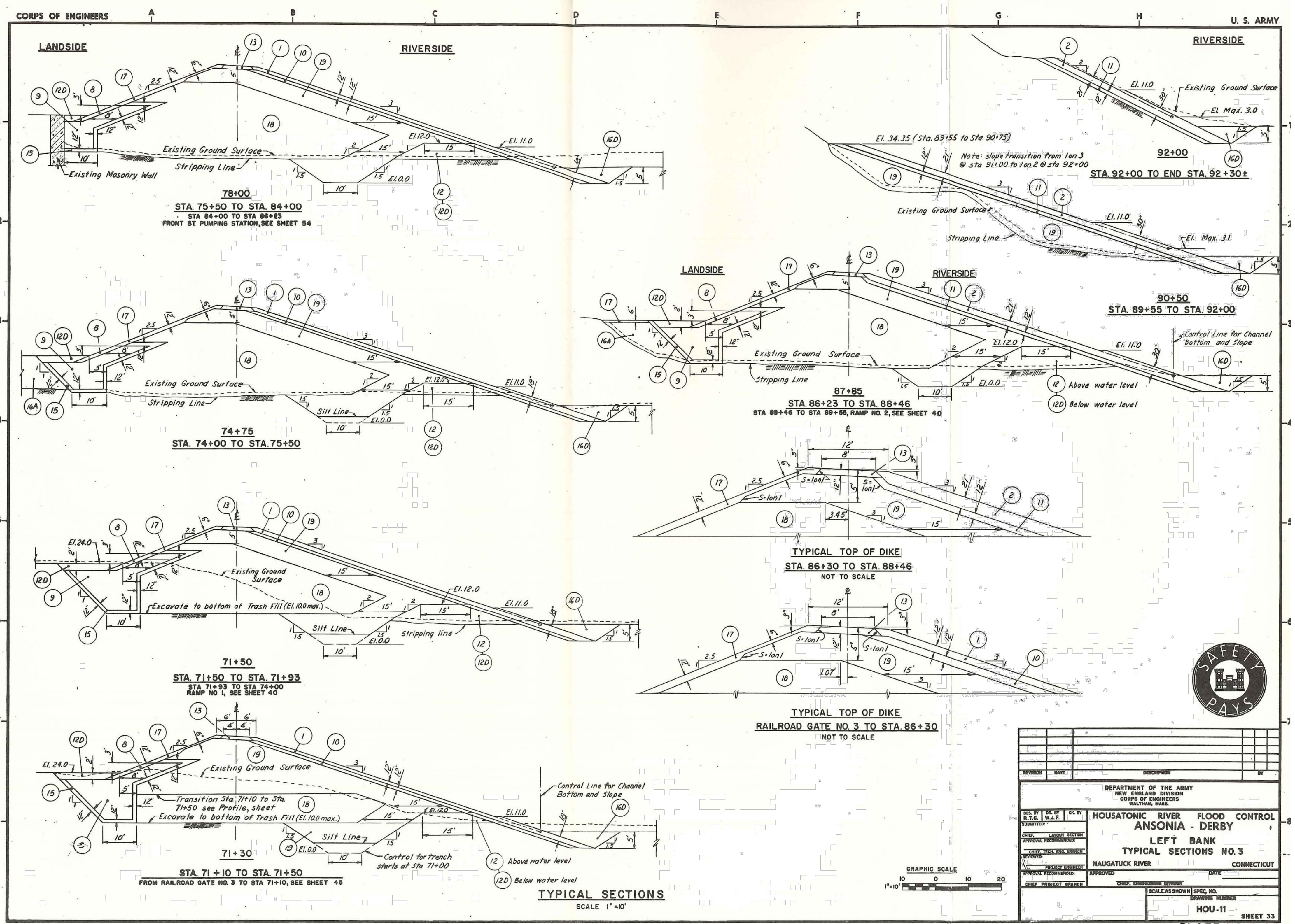
Tate & Associates, LLC
Landscape Architecture
Environmental Site Planning
Urban Design
10 Sascow Hill Road
Fairfield, Connecticut 06424
(203) 255-9011
(203) 255-9022 fax

SIGNATURE/BLOCK:
DESIGNED BY:
LUGHES CONSULTING ENGINEERS, LLC
89 COLONY STREET
MERIDEN, CT 06451

PROJECT TITLE:
**CONSTRUCTION OF
ANSONIA RIVERWALK - SEGMENTS 3 & 4
PREPARED FOR THE CITY OF ANSONIA**

TOWN:
ANSONIA
DRAWING TITLE:
**ANSONIA FLOOD LEVEL
REFERENCE DRAWINGS**

PROJECT NO.:
02-128
DRAWING NO.:
AFL-9
SHEET NO.:
05.09



REVISION	DATE	DESCRIPTION	BY
DEPARTMENT OF THE ARMY NEW ENGLAND DIVISION CORPS OF ENGINEERS WALTHAM, MASS.			
DES. BY: DR. BY: R.T.C. W.A.F.		HOUSATONIC RIVER FLOOD CONTROL ANSONIA - DERBY	
SUBMITTER: LUDWIG ELECTRIC		LEFT BANK TYPICAL SECTIONS NO. 3	
APPROVAL RECOMMENDATION: CHIEF TECH. ENGR. BRUNSON		NAUGATUCK RIVER	
PROJECT ENGINEER: CHIEF PROJECT BRANCH		CONNECTICUT	
APPROVED:		DATE:	
CHIEF ENGINEERING REVIEWER:		SCALE SHOWN:	
SPEC. NO.:		DRAWING NUMBER:	
HOU-11		SHEET 33	
PLATE NO. 9-25			

FOR INFORMATION ONLY

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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 89 COLONY STREET
 MERIDEN, CT 06451

PROJECT TITLE:
**CONSTRUCTION OF
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 PREPARED FOR THE CITY OF ANSONIA**

TOWN:
ANSONIA
 DRAWING TITLE:
**ANSONIA FLOOD LEVEL
 REFERENCE DRAWINGS**

PROJECT NO.:
02-128
 DRAWING NO.:
AFL-10
 SHEET NO.:
05.10

C:\Projects\DD Projects\51512 Ansonia Riverwalk_Sec 3 and 4\Design\AFL-10.dwg

*ONLY STANDARD SHEETS MARKED WITH AN "✓" ARE IN THIS PROJECT # 0002-0128

**REVISED OR ADDED

✓*	SHEET NO.	TITLE	APPROVAL DATE**	✓*	SHEET NO.	TITLE	APPROVAL DATE**
	HW-506_01	ENDWALLS, SLOPE PAVED INLETS AND OUTLETS	1-26-12		HW-821_04a	MERRITT PARKWAY NARROW MEDIAN BARRIER	6-09-11
	HW-506_02	TYPE "D-G" & "L" ENDWALLS	7-13-12		HW-821_04b	MERRITT PARKWAY - 2' (610) WIDE MEDIAN BARRIER AND ROADSIDE BARRIER	7-24-13
	HW-506_03	ENDWALLS FOR PIPE ARCH	9-18-09		HW-821_05a	TRANSITION - 45" (1145) F-SHAPE TO 54" (1372) VERTICAL SHAPE SHEET 1	1-26-12
	HW-507_01	TYPE "C", "C-L" & DROP INLET CATCH BASIN	7-24-13		HW-821_05b	TRANSITION - 45" (1145) F-SHAPE TO 54" (1372) VERTICAL SHAPE SHEET 2	1-26-12
	HW-507_02	TYPE "C", "C-L" & DOUBLE GRATE TYPE - I	7-24-13		HW-821_06	54" (1372) VERTICAL SHAPE BARRIER	2-06-12
	HW-507_03	TYPE "C", "C-L" & DOUBLE GRATE TYPE - II	7-24-13		HW-821_07	MISCELLANOUS DETAILS FOR BARRIER TRANSITIONS	7-12-12
	HW-507_04	TYPE "C", "C-L" & ROUND PRECAST CONCRETE CB	11-10-11		HW-821_08a	F-SHAPE CONC. BARRIER CURB (21"x45") TRANSITION FOR THRIE-BEAM	1-09-20
	HW-507_05	TYPE "C" & "C-L" PRECAST CONCRETE CB DOUBLE GRATE TYPE - I	11-10-11		HW-821_08b	F-SHAPE CONC. BARRIER CURB (21"x45") TRANSITION FOR THRIE-BEAM - REINF.	1-09-20
	HW-507_06	TYPE "C" & "C-L" PRECAST CONCRETE CB DOUBLE GRATE TYPE - II	11-10-11		HW-821_09a	SINGLE SLOPE CONC. BARRIER CURB (20"x42") TRANS. FOR THRIE-BEAM	1-09-20
	HW-507_07	TYPE "C" & "C-L" CATCH BASIN TOPS AND CURBS	11-10-11		HW-821_09b	SINGLE SLOPE CONC. BARRIER CURB (20"x42") TRANS. FOR THRIE-BEAM - REINF.	1-09-20
	HW-507_08	CATCH BASIN FRAMES AND GRATES	9-18-09		HW-821_10a	VERTICAL FACE CONC. (21"x54") TRANSITION FOR THRIE-BEAM	1-09-20
	HW-507_09	HEAVY DUTY LOCK DOWN TOPS	7-12-12		HW-821_10b	VERTICAL FACE CONC. (21"x54") TRANSITION FOR THRIE-BEAM - REINF.	1-09-20
	HW-507_10	MANHOLE - FRAME & COVER	7-24-13		HW-821_11a	42" SINGLE SLOPE PRECAST CONCRETE CURB	1-27-20
	HW-651_01	C.C.M. PIPE INSTALLATIONS IN FILL & ROCK SLOPES & PIPE TRENCH DETAIL	7-24-13		HW-821_11b	42" SINGLE SLOPE PRECAST CONCRETE CURB - REINFORCEMENT	1-27-20
	HW-651_02	SLOTTED DRAIN PIPE 12"- 15"-18"-24"-30" (305-381-457-610-762)	7-12-12		HW-822_01	TEMPORARY PRECAST CONCRETE BARRIER CURB	7-24-13
	HW-652_01	PIPE ENDS	7-24-13		HW-905_01	STONE WALL FENCE	1-25-19
	HW-751_01	UNDERDRAINS AND UNDERDRAIN OUTLETS	7-12-12		HW-906_01	WIRE FENCE	1-25-19
	HW-803_01a	PAVED APRONS	6-07-17		HW-910_01	W-BEAM METAL BEAM RAIL HARDWARE	6-09-11
	HW-803_01b	PAVED DITCHES AND PAVED CHANNELS	6-07-17		HW-910_02	METAL BEAM RAIL (TYPE R-B 350) GUIDERAIL	6-09-11
✓	HW-811_01	CONCRETE CURBING	6-07-17		HW-910_03	METAL BEAM RAIL (TYPE MD-B 350)	6-09-11
	HW-813_01	GRANITE STONE TRANSITION CURBING	7-24-13		HW-910_04	METAL BEAM RAIL (TYPE R-B 350) SYSTEMS 5, 5A, & 6	6-09-11
	HW-813_02	STONE CURBING	6-07-17		HW-910_05	METAL BEAM RAIL R-B 350 SPAN TYPE I, II, III SECTIONS	7-24-13
	HW-815_01	BITUMINOUS CONCRETE CURBING	6-07-17		HW-910_06	R-B 350 BRIDGE ATTACHMENT SAFETY SHAPE PARAPET	6-09-11
	HW-821_01a	TRANSITION - 45" (1145) F-SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 1	1-26-12		HW-910_07	R-B 350 BRIDGE ATTACHMENT VERTICAL SHAPE PARAPET	1-25-19
	HW-821_01b	TRANSITION - 45" (1145) F-SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 2	10-18-10		HW-910_08	R-B 350 BRIDGE ATTACHMENT TRAILING END	6-09-11
	HW-821_01c	TRANSITION - 45" (1145) F-SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 3	1-26-12		HW-910_09a	MISCELLANEOUS GUIDERAIL TRANSITIONS SHEET 1	1-26-12
	HW-821_02a	45" F-SHAPE PRECAST CONCRETE BARRIER CURB SHEET 1	1-27-20		HW-910_09b	MISCELLANEOUS GUIDERAIL TRANSITIONS SHEET 2	7-25-12
	HW-821_02b	45" F-SHAPE PRECAST CONCRETE BARRIER CURB SHEET 2	1-27-20		HW-910_10	METAL BEAM RAIL 8" (203) X 6" (152) BOX BEAM	7-24-13
	HW-821_03a	TRANSITION - 32" (813) JERSEY SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 1	1-26-12		HW-910_11	CURVED GUIDERAIL TREATMENT DETAIL	7-25-12
	HW-821_03b	TRANSITION - 32" (813) JERSEY SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 2	10-18-10		HW-910_12a	MERRITT PARKWAY GUIDERAIL ATTACHMENT - SYSTEM 2 & 3	7-24-13
	HW-821_03c	TRANSITION - 32" (813) JERSEY SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 3	10-18-10		HW-910_12b	MERRITT PARKWAY GUIDERAIL	7-24-13
	HW-821_03d	TRANSITION - 32" (813) JERSEY SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 4	10-18-10		HW-910_12c	MERRITT PARKWAY GUIDERAIL TRAILING END ATTACHMENTS	7-24-13
	HW-821_03e	TRANSITION - 32" (813) JERSEY SHAPE TO 45" (1145) F-SHAPE	7-24-13		HW-910_12d	MERRITT PARKWAY MEDIAN GUIDERAIL AND END ANCHOR	6-09-11

*ONLY STANDARD SHEETS MARKED WITH AN "✓" ARE IN THIS PROJECT # 0002-0128

**REVISED OR ADDED

✓*	SHEET NO.	TITLE	APPROVAL DATE**	✓*	SHEET NO.	TITLE	APPROVAL DATE**
<input type="checkbox"/>	HW-910_13a	THRIE-BEAM METAL BEAM RAIL HARDWARE	7-24-13	<input type="checkbox"/>	HW-1800_02	GRADING PLAN FOR IMPACT ATTENUATION SYSTEM (MEDIAN/GORE)	1-25-19
<input type="checkbox"/>	HW-910_13b	THRIE-BEAM TRANSITIONS	7-24-13				
<input type="checkbox"/>	HW-910_14a	THRIE-BEAM 350 BRIDGE ATTACHMENT	6-09-11				
<input type="checkbox"/>	HW-910_14b	THRIE-BEAM 350 GUIDERAIL TRANSITION TO R-B 350 GUIDERAIL	6-09-11				
<input type="checkbox"/>	HW-910_15	MD-B 350 MEDIAN BARRIER SAFETY SHAPE ATTACHMENT TYPE I	6-09-11				
<input type="checkbox"/>	HW-910_16	MD-B 350 MEDIAN BARRIER SAFETY SHAPE ATTACHMENT TYPE II	6-09-11				
<input checked="" type="checkbox"/>	HW-910_17	R-B TERMINAL SECTION	7-24-13				
<input type="checkbox"/>	HW-910_18	METAL BEAM RAIL (TYPE MD-I)	10-18-10				
<input type="checkbox"/>	HW-910_19a	METAL BEAM RAIL (MODIFIED TYPE R-I) AND END ANCHORAGE TYPE I	7-24-13				
<input type="checkbox"/>	HW-910_19b	METAL BEAM RAIL (MODIFIED TYPE R-I) AND END ANCHORAGE TYPE II	7-24-13				
<input type="checkbox"/>	HW-910_19c	METAL BEAM RAIL (MODIFIED TYPE R-I) SYSTEMS 2 AND 3	7-24-13				
<input type="checkbox"/>	HW-910_20	MASH W-BEAM HARDWARE	1-05-18				
<input type="checkbox"/>	HW-910_21	METAL BEAM RAIL (R-B MASH) GUIDERAIL	1-25-19				
<input type="checkbox"/>	HW-910_22	METAL BEAM RAIL (MD-B MASH) GUIDERAIL	1-05-18				
<input type="checkbox"/>	HW-910_23	METAL BEAM RAIL (R-B MASH) HALF AND QUARTER POST SPACING	1-05-18				
<input type="checkbox"/>	HW-910_24	METAL BEAM RAIL SPAN SECTION TYPES II AND III	1-05-18				
<input type="checkbox"/>	HW-910_25	METAL BEAM RAIL TRANSITION 350 TO MASH	1-05-18				
<input type="checkbox"/>	HW-910_26	THRIE-BEAM ATTACHMENT HARDWARE	1-09-20				
<input type="checkbox"/>	HW-910_27	THRIE-BEAM ATTACHMENT	1-09-20				
<input type="checkbox"/>	HW-911_01	R-B END ANCHORAGE TYPE I AND II	1-25-19				
<input type="checkbox"/>	HW-911_02	MD-B END ANCHORAGE TYPE I	1-05-18				
<input type="checkbox"/>	HW-911_03	ANCHOR IN EARTH CUT SLOPE & ANCHOR IN ROCK CUT SLOPE	10-18-10				
<input type="checkbox"/>	HW-911_05	MERRITT PARKWAY GUIDERAIL END ANCHORS	7-24-13				
<input checked="" type="checkbox"/>	HW-913_01a	CHAIN LINK FENCE	5-06-19				
<input checked="" type="checkbox"/>	HW-913_01b	CHAIN LINK FENCE HARDWARE	5-06-19				
<input checked="" type="checkbox"/>	HW-913_02	CHAIN LINK FENCE GATES	5-06-19				
<input type="checkbox"/>	HW-918_01a	THREE CABLE GUIDERAIL (I-BEAM POSTS) SHEET 1	7-24-13				
<input type="checkbox"/>	HW-918_01b	THREE CABLE GUIDERAIL (I-BEAM POSTS) SHEET 2	1-26-12				
<input type="checkbox"/>	HW-918_01c	THREE CABLE GUIDERAIL (I-BEAM POSTS) SHEET 3	7-24-13				
<input type="checkbox"/>	HW-921_01	DRIVEWAY RAMPS AND SIDEWALKS	6-07-17				
<input type="checkbox"/>	HW-949_01a	LANDSCAPE PLANTING	6-15-19				
<input type="checkbox"/>	HW-949_01b	TREE STAKING	6-15-19				
<input type="checkbox"/>	HW-1800_01	GRADING PLAN FOR IMPACT ATTENUATION SYSTEMS (FLARED AND TANGENTIAL)	1-25-19				

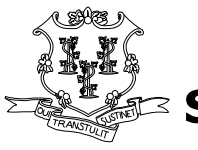

REV.	DATE	REVISION DESCRIPTION
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-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

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Plotted Date: 1/29/2020

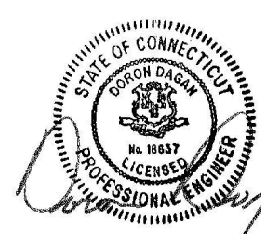
NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

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Doron Dagan
2020.05.01
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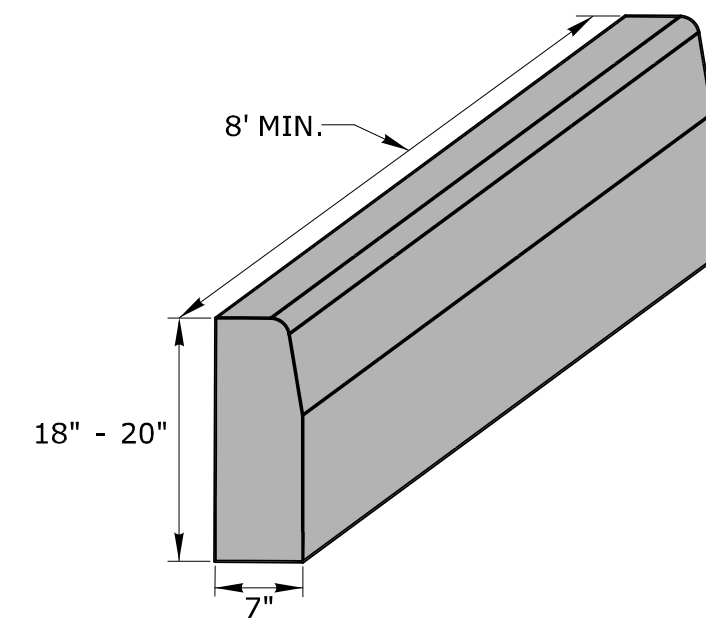


CTDOT
STANDARD SHEET
OFFICE OF ENGINEERING

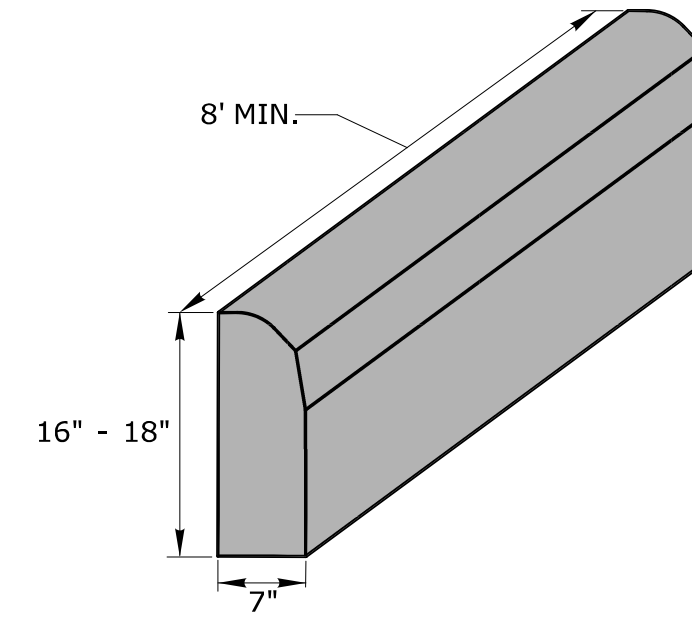
STANDARD SHEET TITLE:
**HIGHWAY
STANDARD SHEET INDEX**

STANDARD SHEET NO.:
**HW_INX
2 of 2**

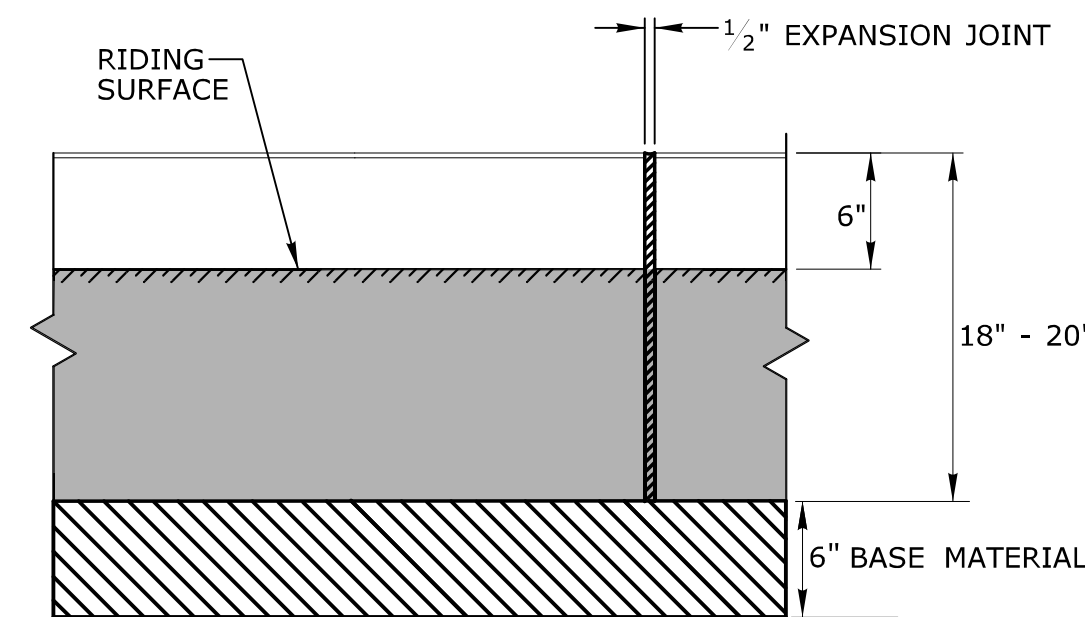
GENERAL NOTE:
 1. PRECAST CONCRETE CURBING MAY BE CAST BY THE MANUFACTURER WITH OPTIONAL LIFTING AND DOWEL BAR HOLES.



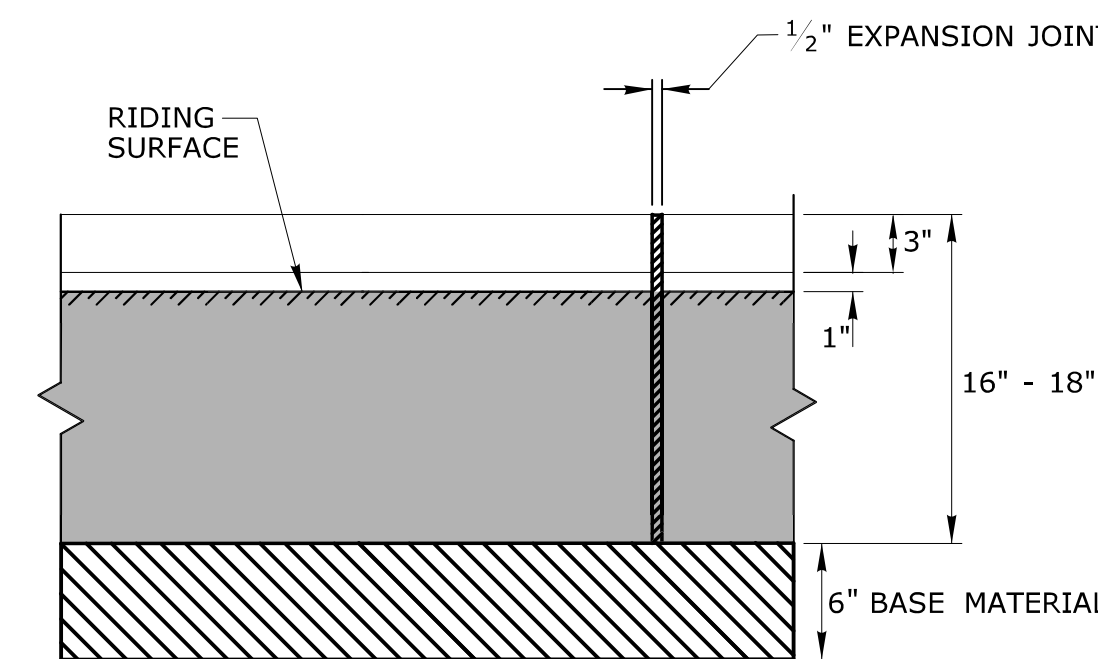
CONCRETE CURBING (6" REVEAL)



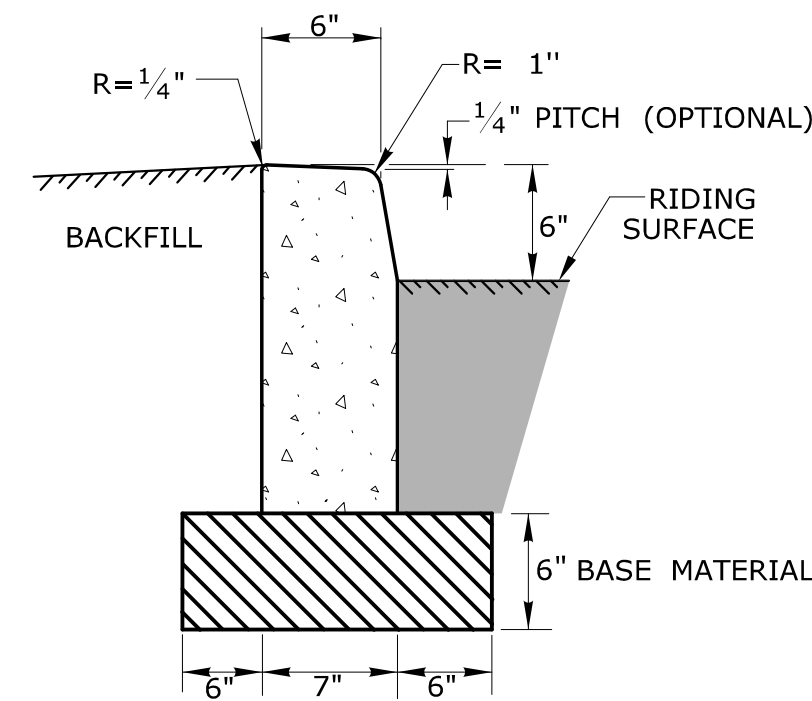
CONCRETE PARK CURBING (4" REVEAL)



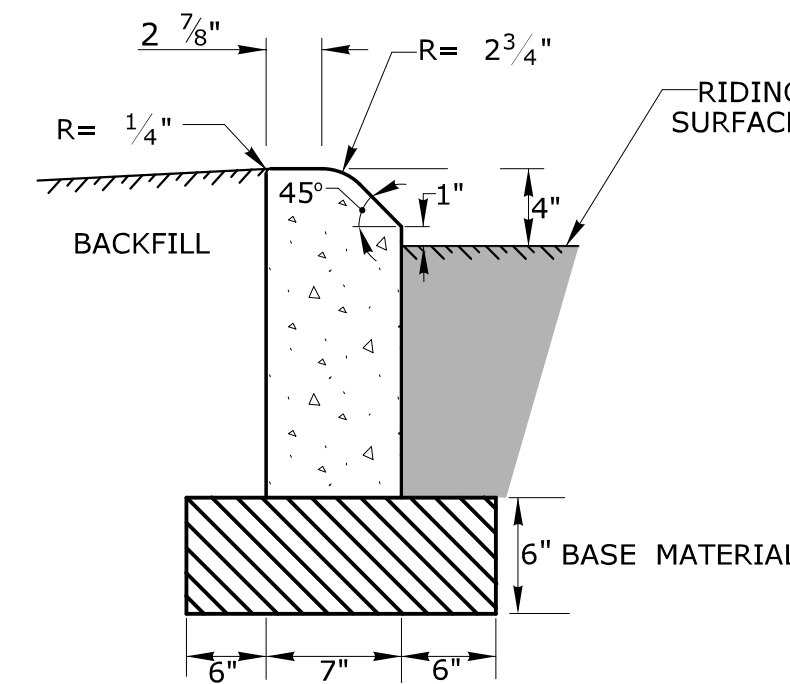
FRONT ELEVATION



FRONT ELEVATION




SECTION



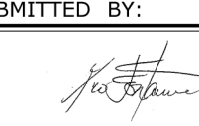
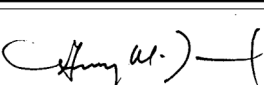
SECTION

1	6/01/10	REVISED TITLE FOR 6" CONC. CURB	THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.
2	6/17	REMOVED STONE, BITUMINOUS & GRANITE ITEMS	
REV.	DATE	REVISION DESCRIPTION	Plotted Date: 6/6/2017

NOT TO SCALE

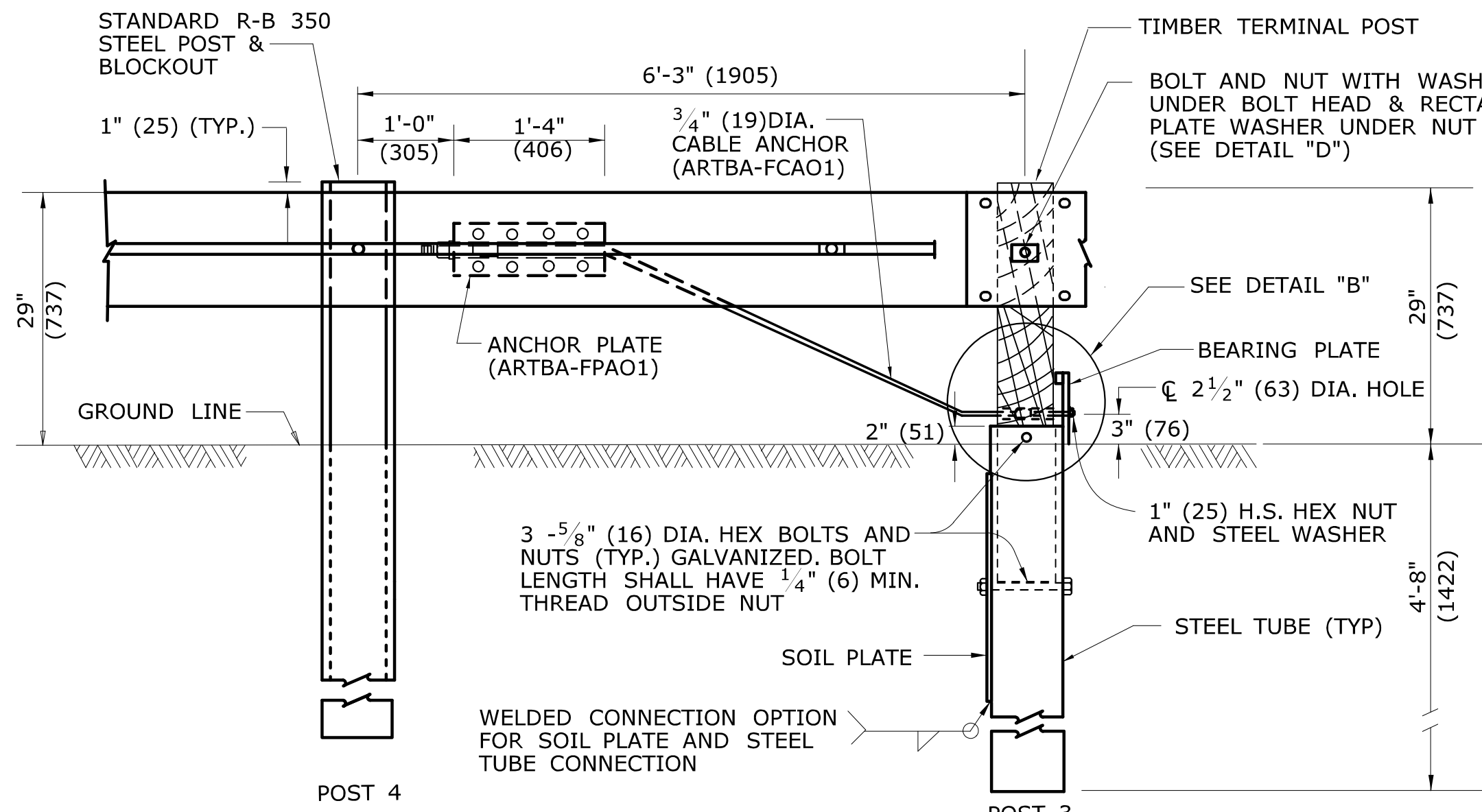

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: HW-811_01.dgn Model: CT_Civil_2D_Sheet

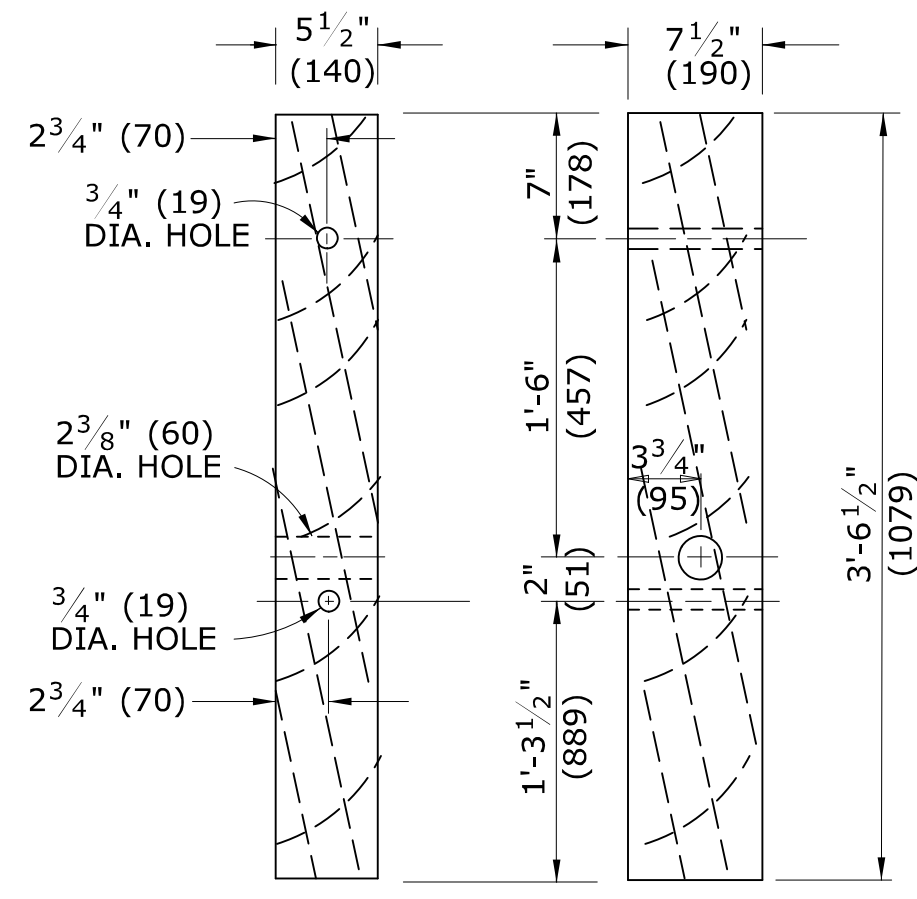
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	Leo Fontaine, P.E. 2017.06.07 07:33:29-04'00'
APPROVED BY:	NAME/DATE/TIME:
	Gregory M. Dorosh, P.E. 2017.06.07 10:41:26-04'00'

CTDOT
STANDARD SHEET
OFFICE OF ENGINEERING

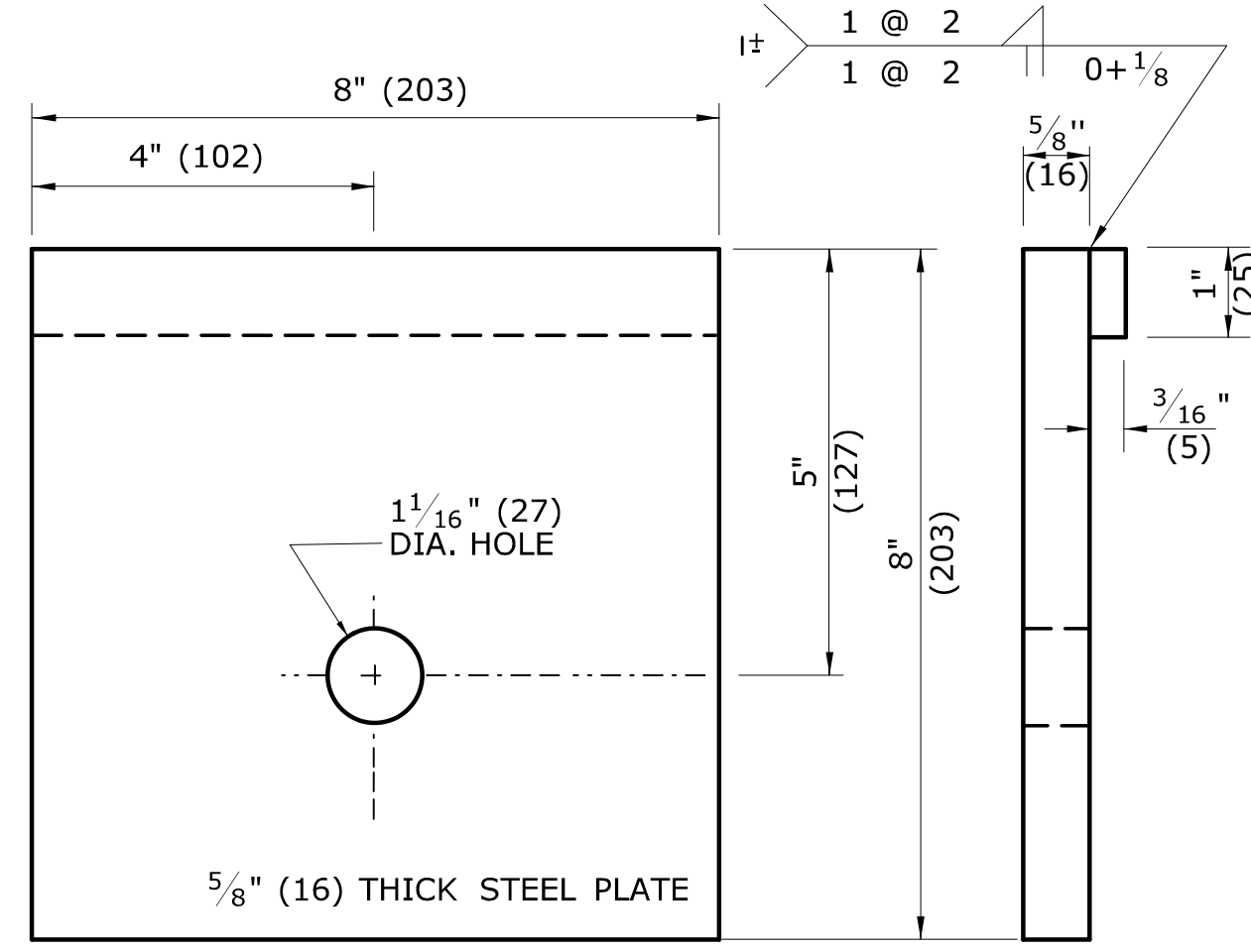
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CONCRETE CURBING	HW-811_01



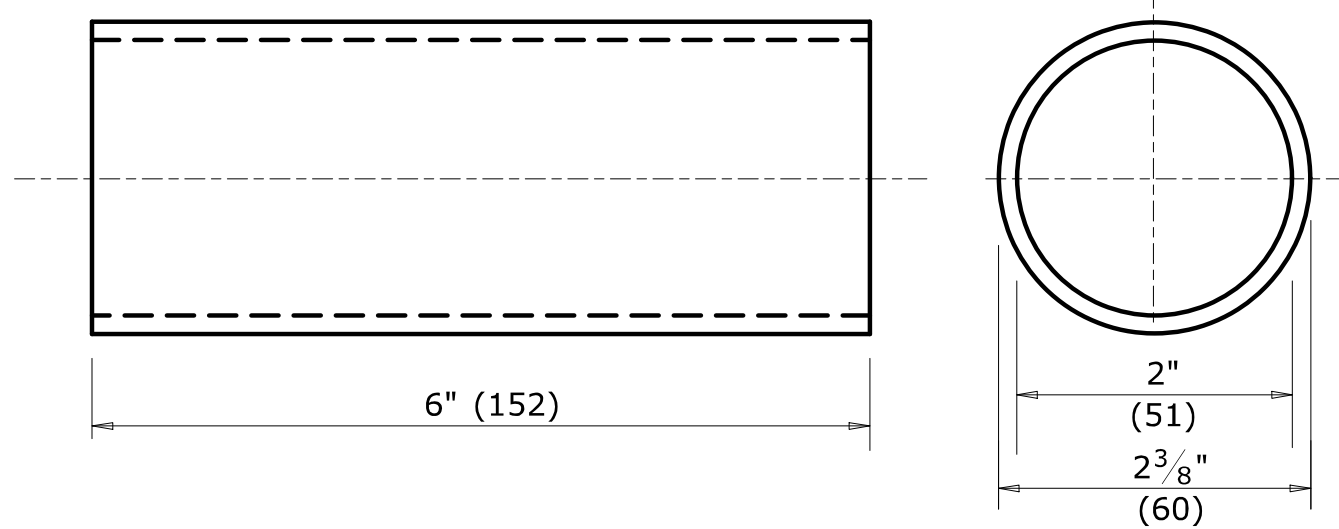
DETAIL A
CABLE ANCHORAGE ASSEMBLY



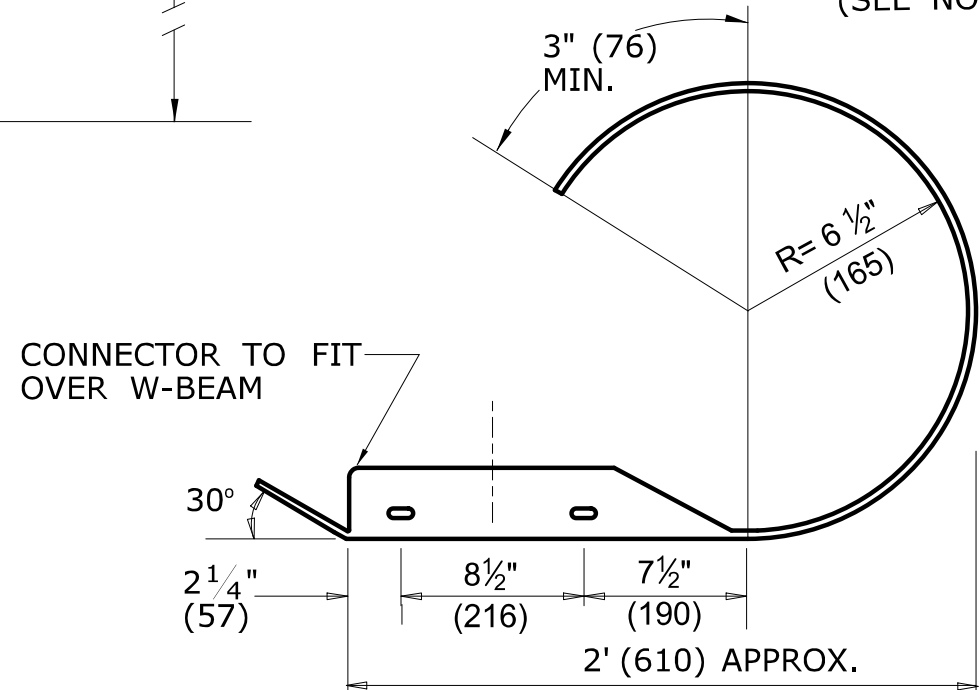
DETAIL C
TIMBER TERMINAL POST
(ARTBA-PDFO1)
(SEE NOTE 2)



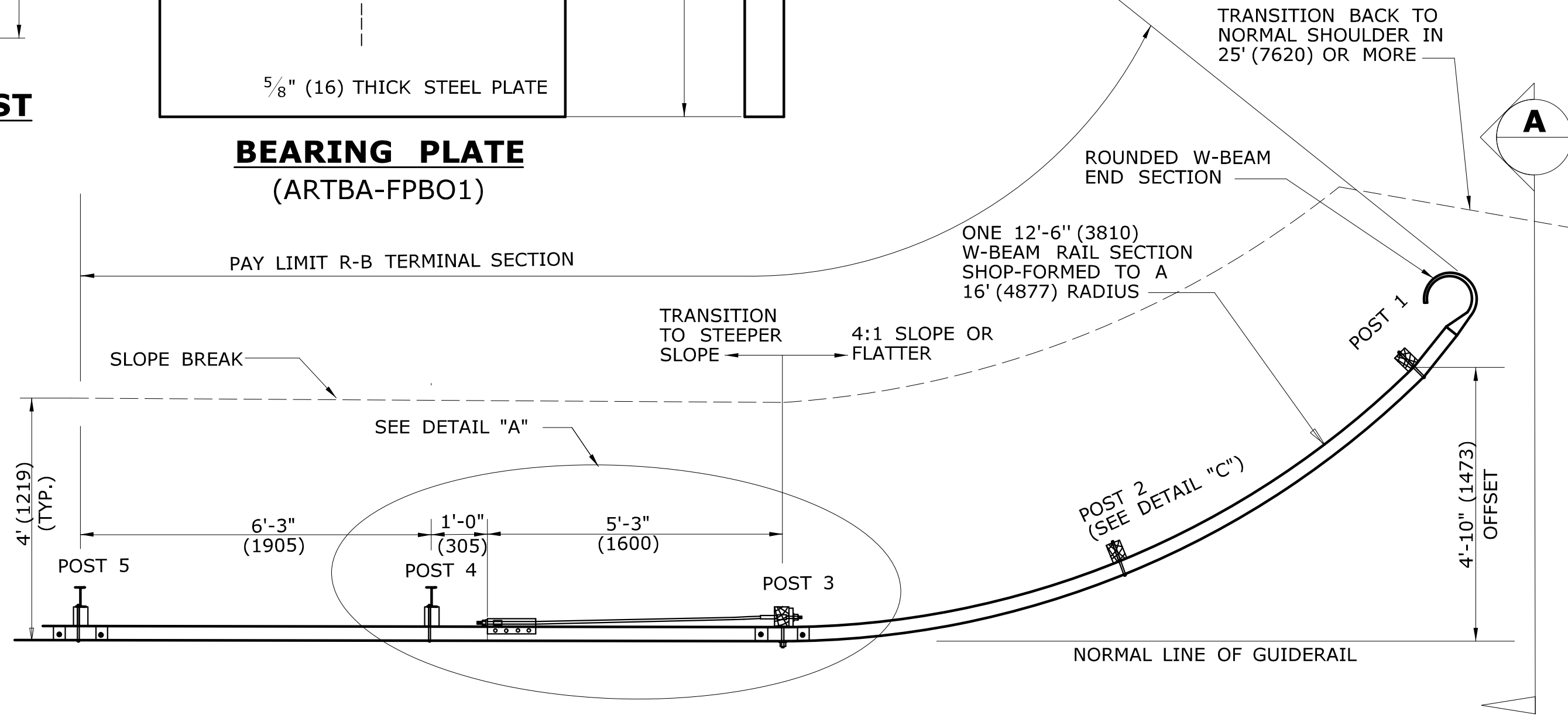
BEARING PLATE
(ARTBA-FPBO1)



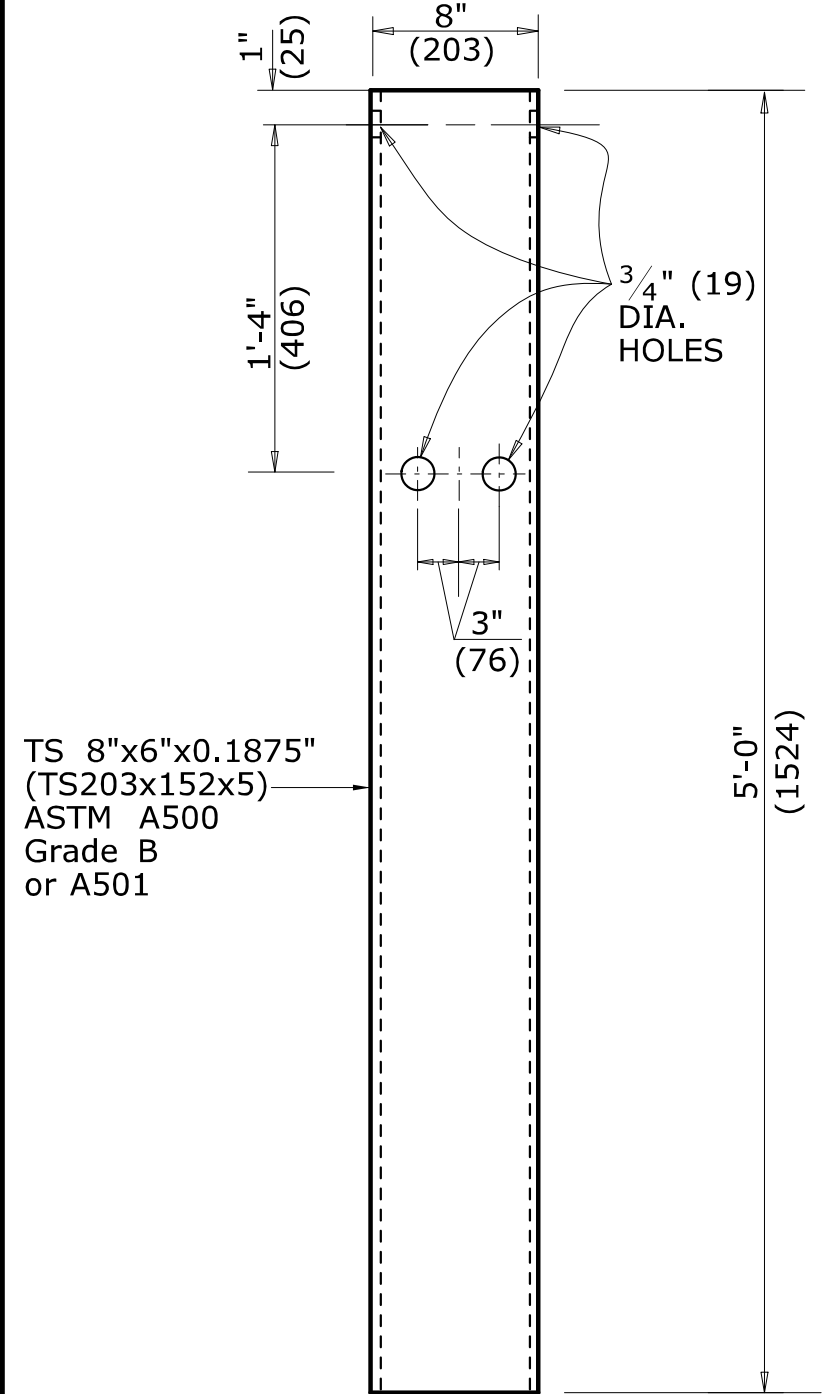
BREAKAWAY TERMINAL POST SLEEVE
(ARTBA-FMMO2)



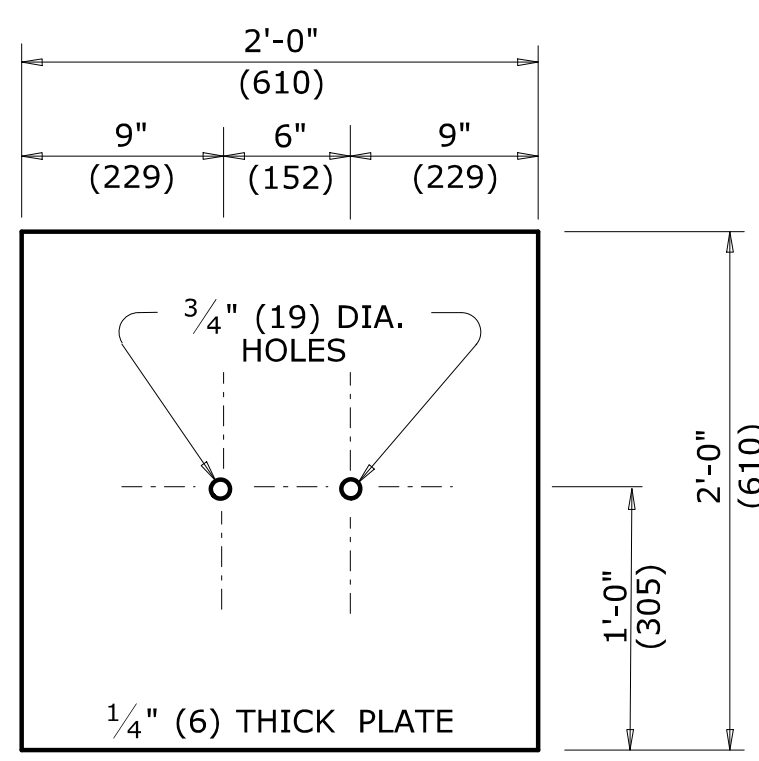
PLAN
ELEVATION
ROUNDED W-BEAM END SECTION



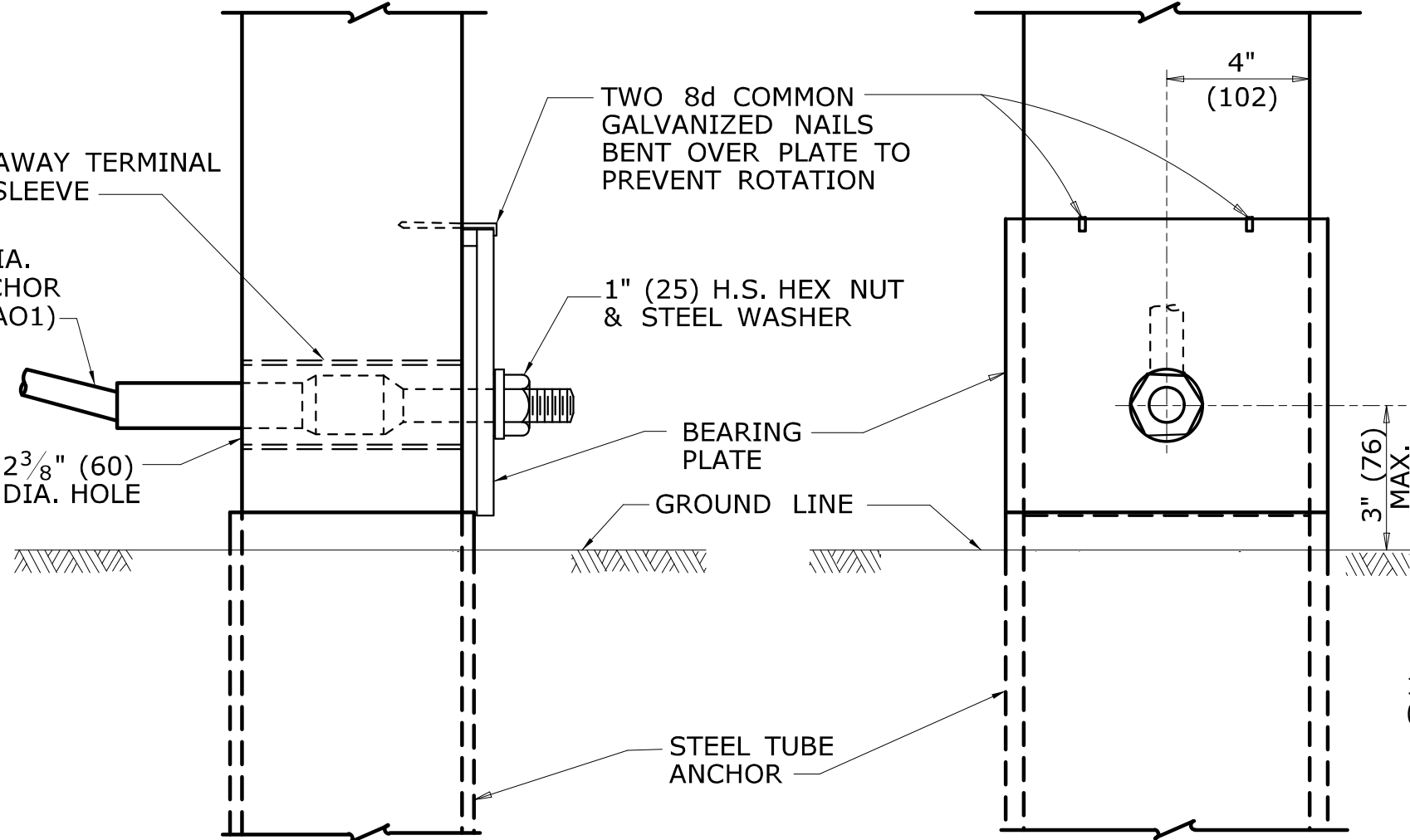
APPROACH END
(TRAILING END NOT SHOWN)



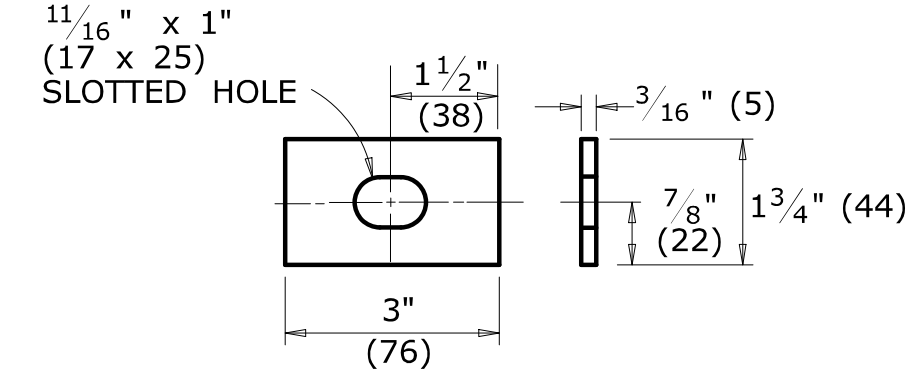
STEEL TUBE



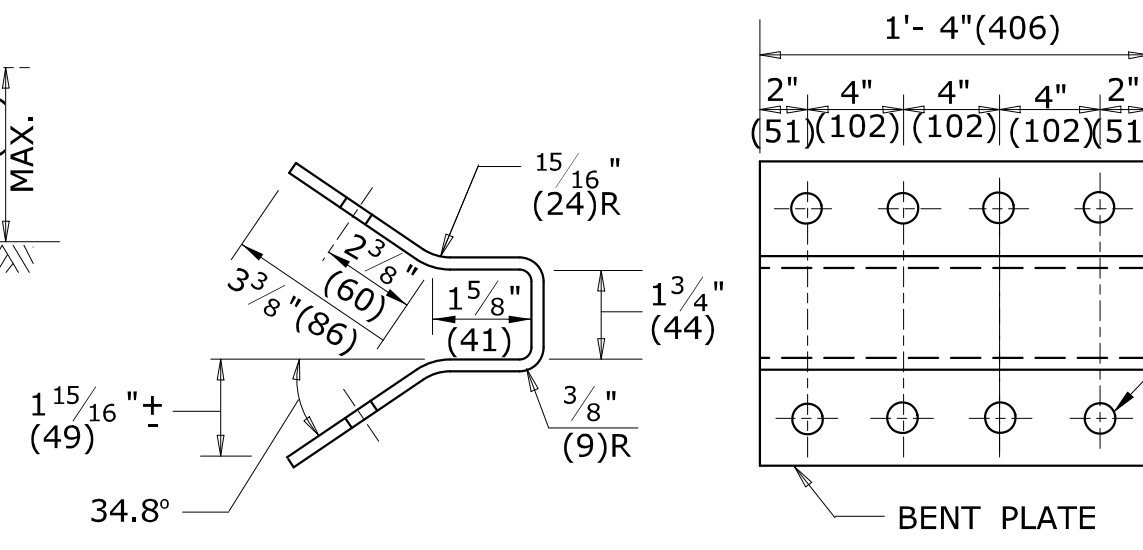
SOIL PLATE (2 Req'd)



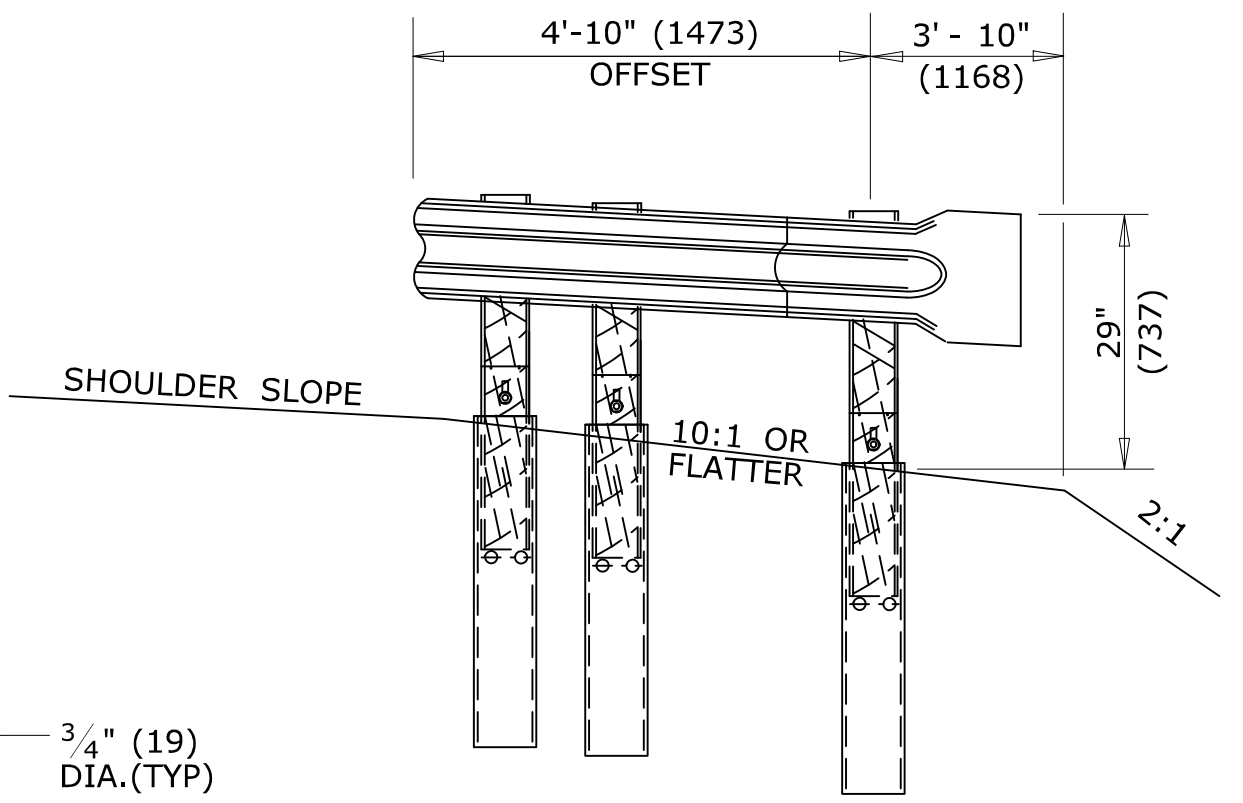
DETAIL B



DETAIL D
RECTANGULAR PLATE WASHER



ANCHOR PLATE
(ARTBA-FPAO1)



SECTION A

GENERAL NOTES:

1. APPROACH END R-B TERMINAL SECTION SHALL ONLY BE USED ON LOW SPEED (<45 MPH) ROADWAYS.
2. POSTS 1, 2 AND 3 ARE TIMBER TERMINAL POSTS (DETAIL "C") WITH STEEL TUBES, POSTS 4 AND 5 ARE STANDARD R-B 350 STEEL POSTS WITH BLOCKOUTS.
3. REFER TO CTDOT STANDARD SPECIFICATIONS FOR MATERIAL AND GENERAL CONSTRUCTION METHODS.
4. MINIMUM RAIL HEIGHT FOR NEW CONSTRUCTION SHALL BE 29" (737) + 1" (25).

ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED.

REV.	DATE	REVISION DESCRIPTION
1	6/11	REVISE NOTE 1
2	7/13	SHOW SPLICE ON APPROACH END
-	-	-
-	-	-
-	-	-
-	-	-

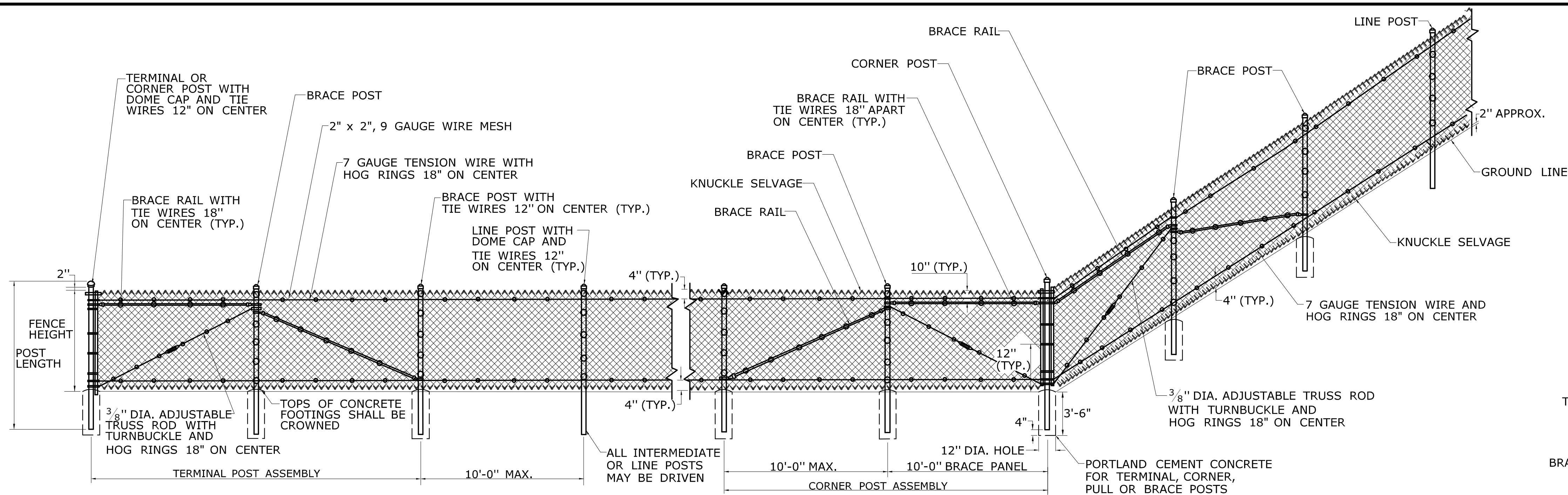
NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

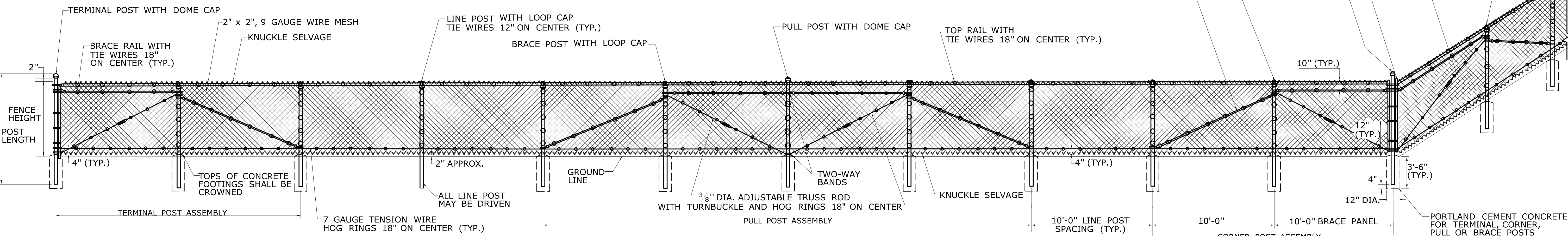
SUBMITTED BY: NAME/DATE/TIME:
APPROVED BY: NAME/DATE/TIME:
James H. Norman
2013.07.24 14:53:17-04'00'

CTDOT
STANDARD SHEET
OFFICE OF ENGINEERING

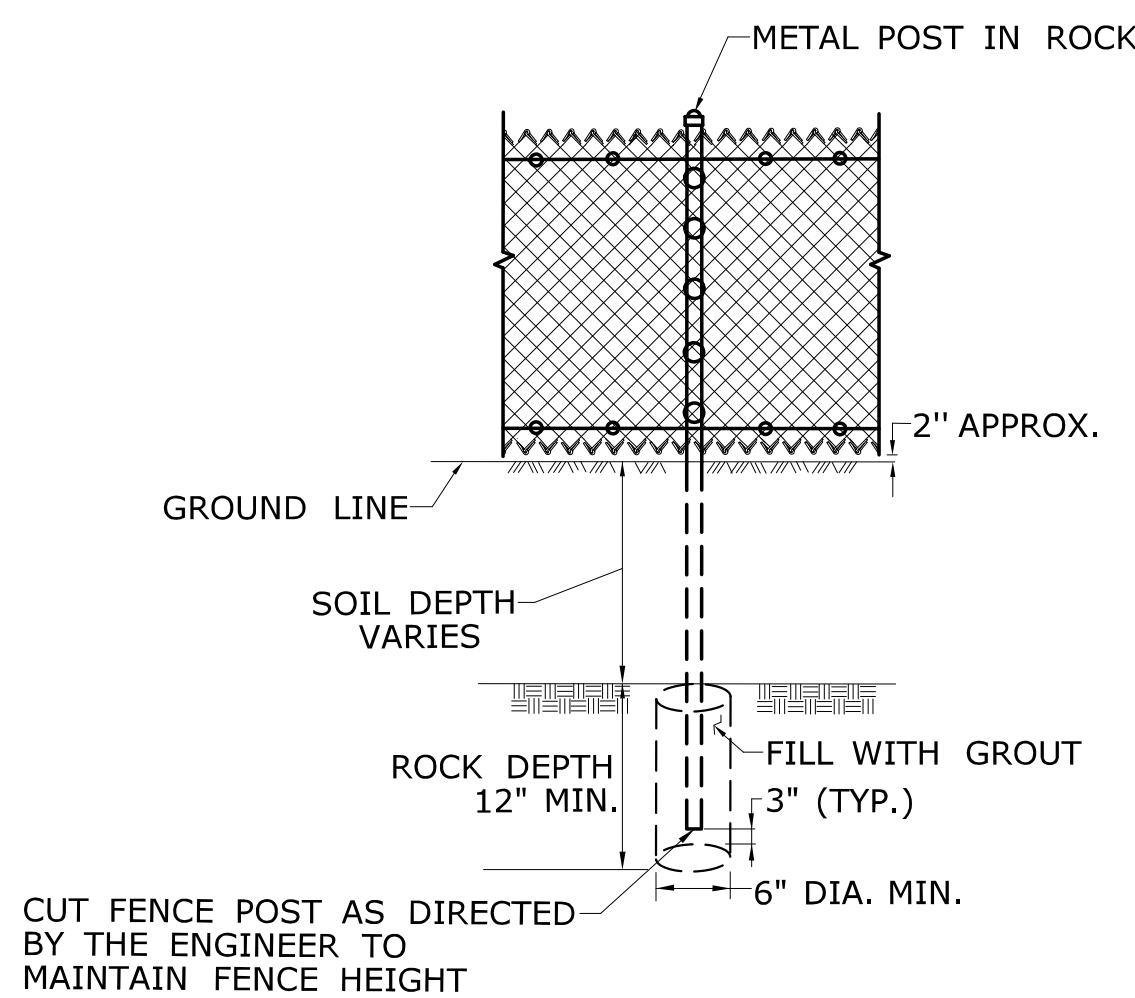
STANDARD SHEET TITLE:
R-B TERMINAL SECTION
STANDARD SHEET NO.:
HW-910_17



CHAIN LINK FENCE WITH TOP TENSION WIRE



CHAIN LINK FENCE WITH TOP BRACE RAIL AND INTERMEDIATE OR BOTTOM TENSION WIRE



METAL POST IN ROCK

GENERAL NOTES:

1. INSTALL PULL POST ASSEMBLIES AT ALL CHANGES IN VERTICAL TO HORIZONTAL OF 10 DEGREES OR MORE.
2. ALL POSTS WILL BE CAPPED.
3. WHERE ROCK IS ENCOUNTERED, IT SHALL BE DRILLED AND THE POSTS SET IN MORTAR.
4. FENCE SHALL BE PLACED WITH FABRIC FACING OUTSIDE HIGHWAY RIGHT OF WAY OR AS DIRECTED BY THE ENGINEER.
5. SEE HW-913-01b FOR CHAIN LINK FENCE HARDWARE.

FENCE FABRIC HEIGHT	GROUP 1A	GROUP 1C
	ASTM F1083 SCH. 40 PIPE 50,000 PSI DIAMETER	ASTM F1043 ELEC. RESISTANCE WELDED PIPE 50,000 PSI DIAMETER
LINE OR INTERMEDIATE POST		
UP TO 5'-0"	1 7/8"	1 7/8"
6'-0" TO 7'-0"	2 3/8"	2 3/8"
8'-0" TO 9'-0"	2 7/8"	2 7/8"
10'-0"	3 1/2"	3 1/2"
12'-0" OR HIGHER	4"	4"
TERMINAL, CORNER OR PULL POST		
UP TO 5'-0"	2 3/8"	2 3/8"
6'-0" TO 7'-0"	2 7/8"	2 7/8"
8'-0" TO 9'-0"	3 1/2"	3 1/2"
10'-0" OR HIGHER	4"	4"
TOP OR BRACE RAIL POSTS UP TO 6'-0"	1 5/8"	1 5/8"
POSTS HIGHER THAN 6'-0"	1 7/8"	1 7/8"

REV.	DATE	REVISION DESCRIPTION
-	-	-
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NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Plotted Date: 5/1/2019

Filename: CTDOT-HIGHWAY-STD-[4-16-19-].dgn Model: 295 - HW-913.01a

SUBMITTED BY: NAME/DATE/TIME:
Leo Fontaine, P.E.
2019.05.01 11:38:42-04'00'

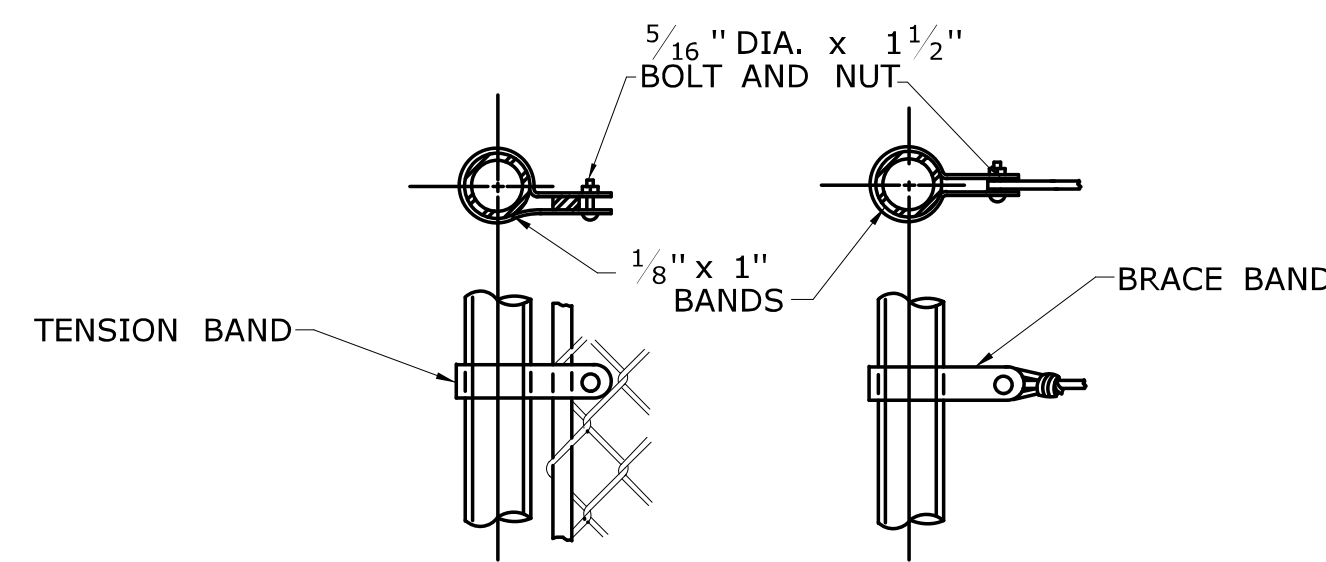
APPROVED BY: NAME/DATE/TIME:
Gregory M. Dorosh, P.E.
2019.05.06 10:54:07-04'00'

**CTDOT
STANDARD SHEET**

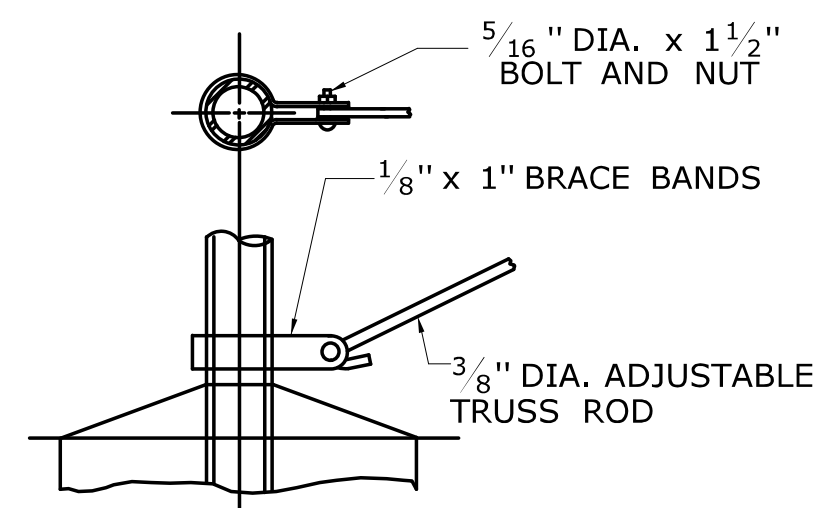
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:
CHAIN LINK FENCE

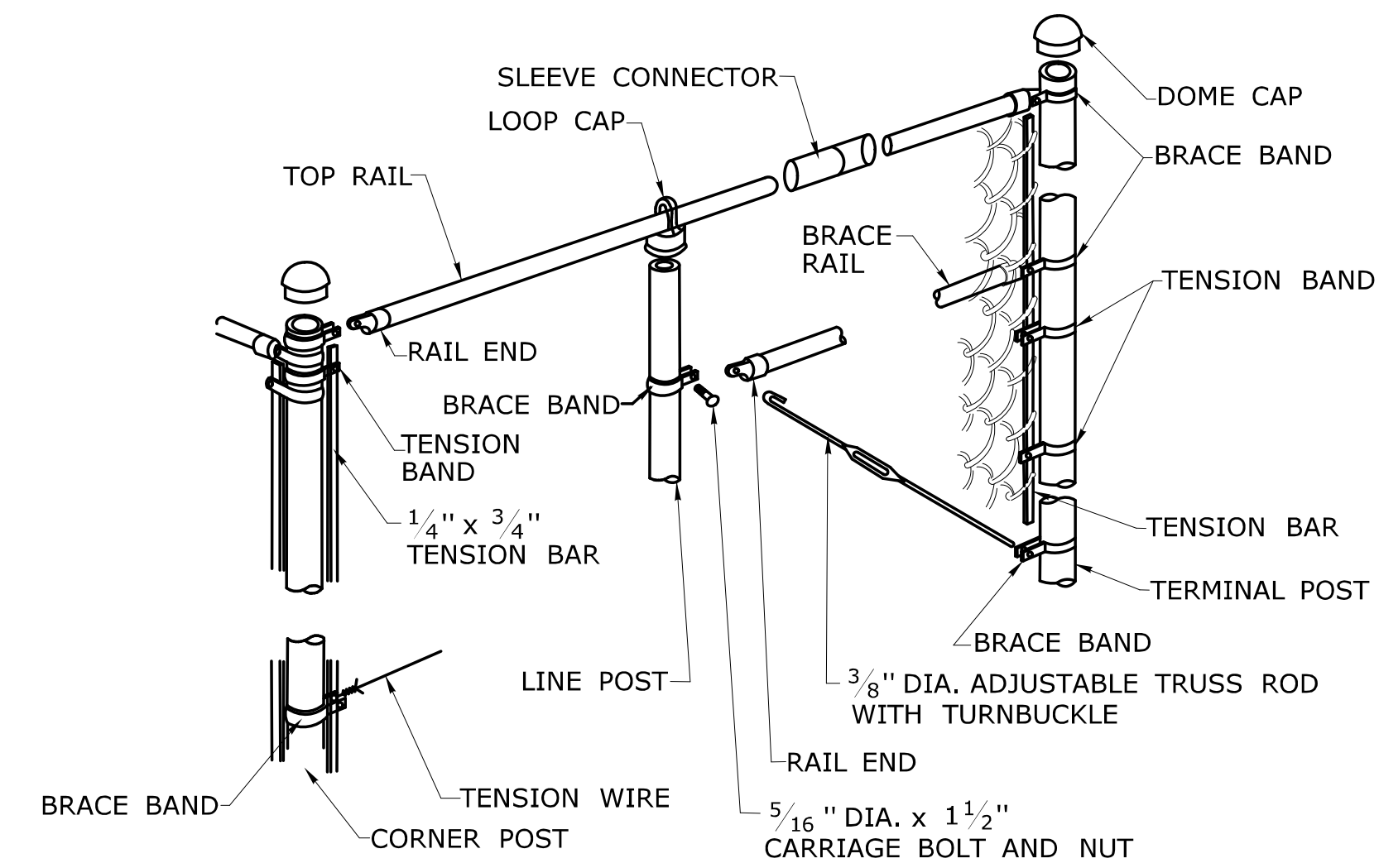
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HW-913_01a



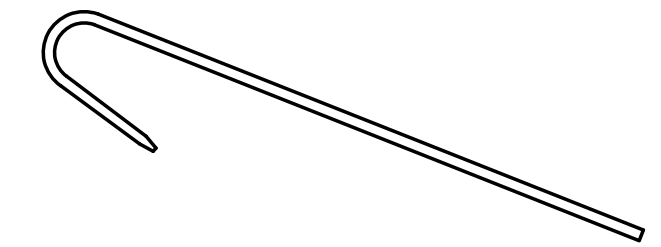
TENSION BAR TENSION WIRE



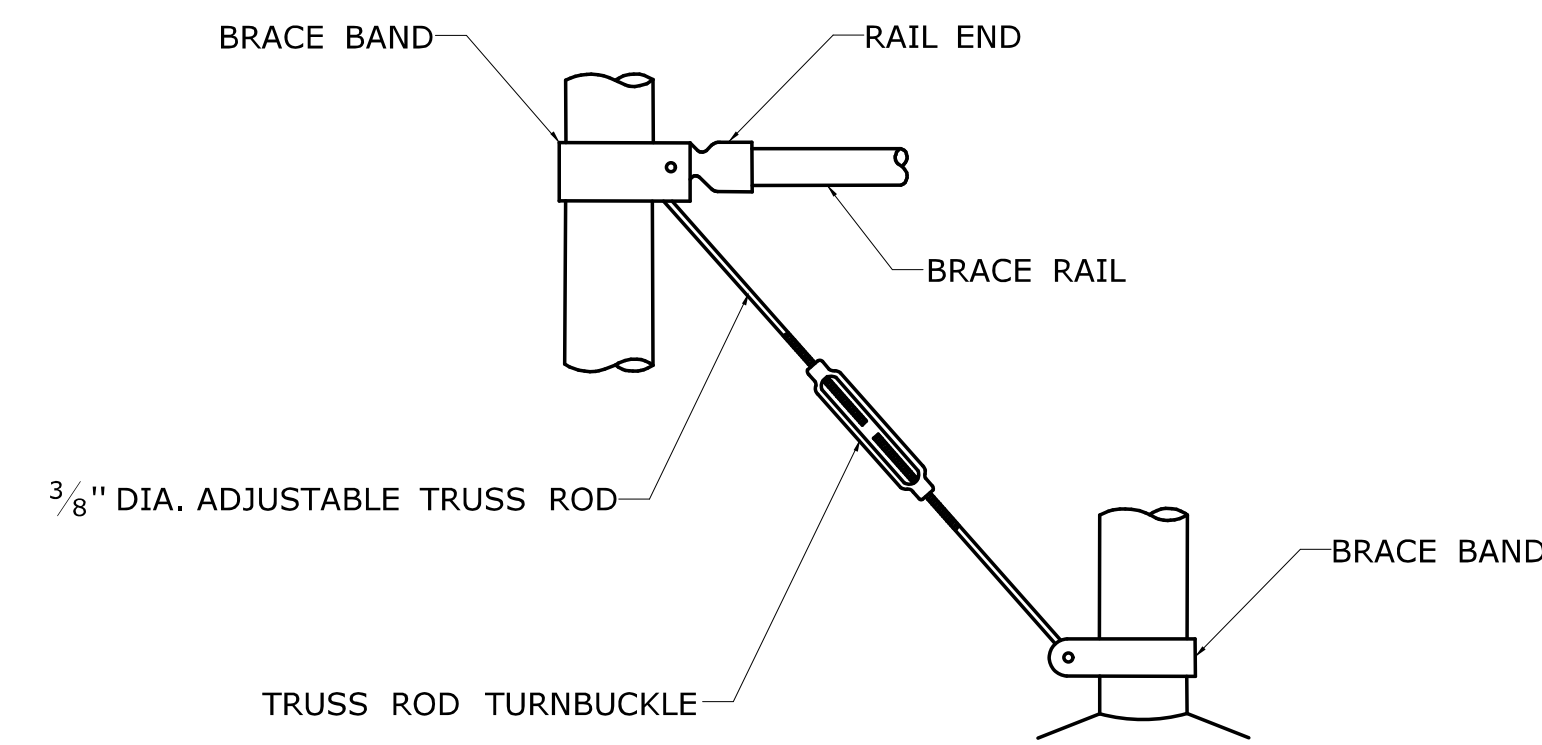
ADJUSTABLE TRUSS ROD



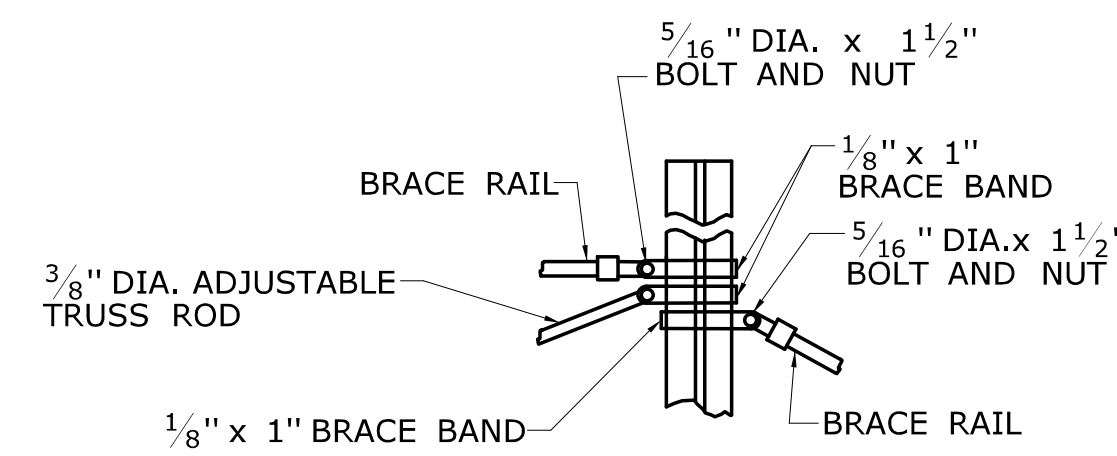
TOP RAIL / TRUSSED BRACE RAIL WITH BOTTOM TENSION WIRE



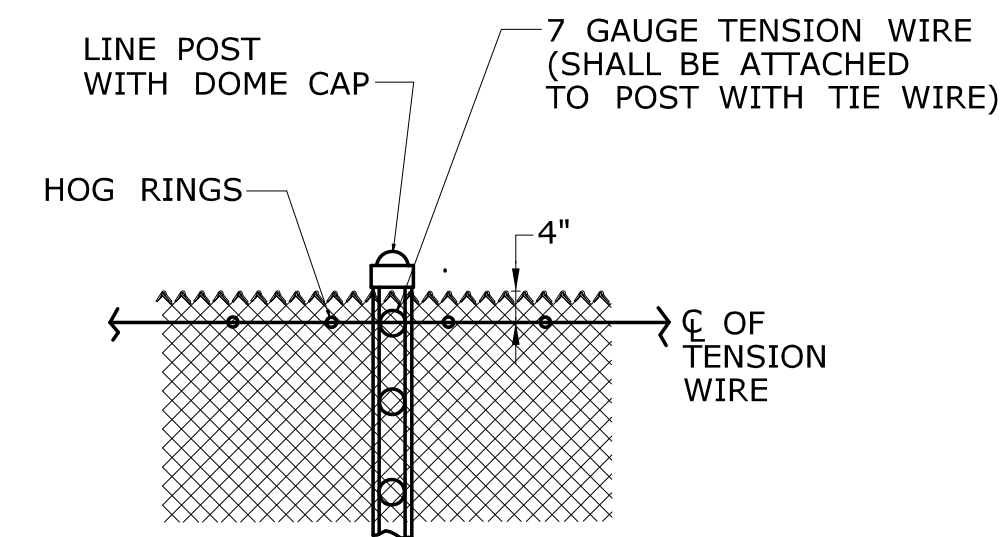
TIE WIRE



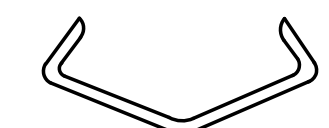
BRACE & TRUSS CONNECTIONS



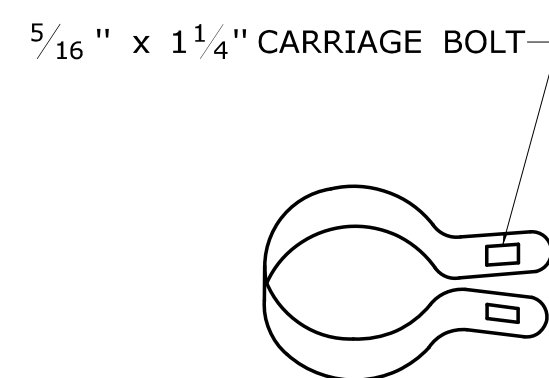
BRACE RAILS ATTACHMENT TO LINE POSTS



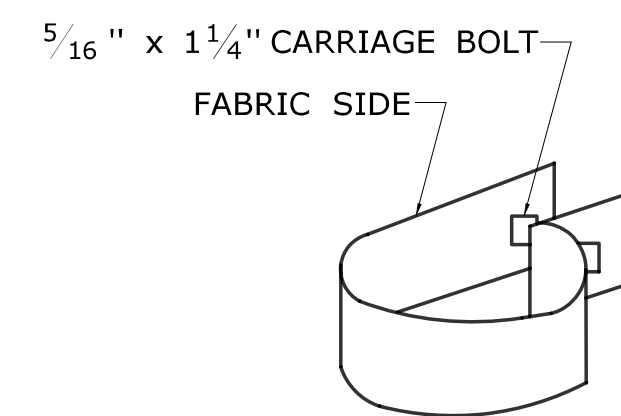
TENSION WIRE



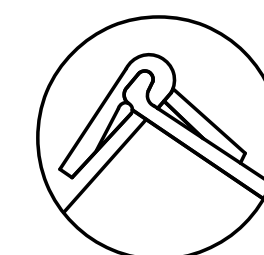
HOG RING



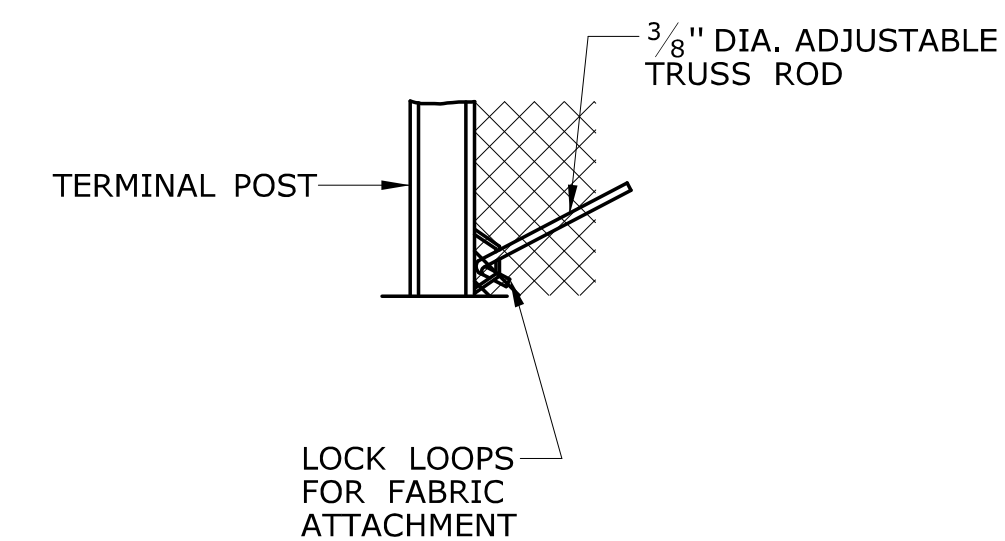
1/8" x 1" BRACE BAND



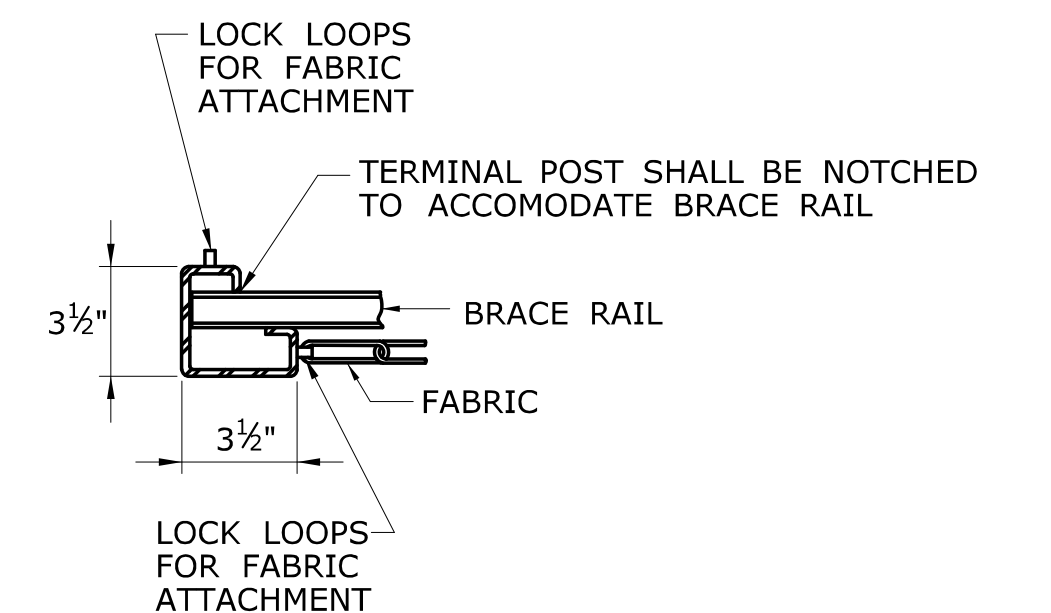
1/8" x 1" TENSION BAND



KNUCKLE SELVAGE



TRUSS ROD ATTACHMENT




FABRIC AND BRACE RAIL ATTACHMENT


REV.	DATE	REVISION DESCRIPTION
-	-	-
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-	-	-

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 5/1/2019

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STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION



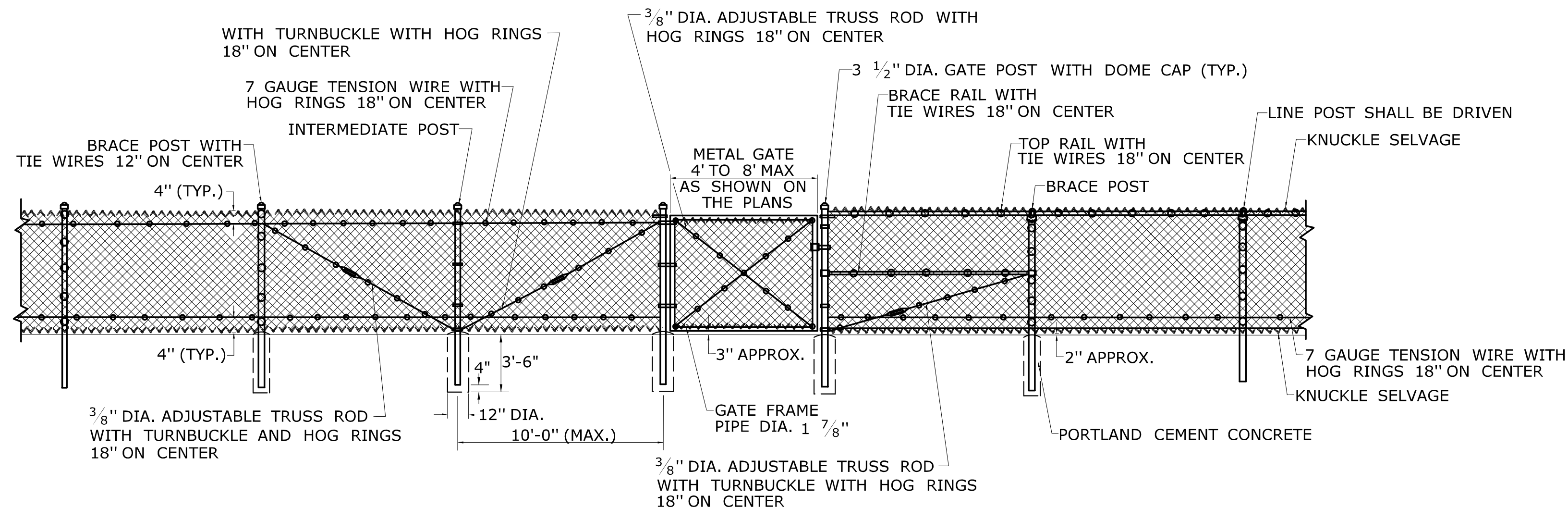
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SUBMITTED BY: *Leo Fontaine* NAME/DATE/TIME: Leo Fontaine, P.E. 2019.05.01 11:39:54-04'00'
 APPROVED BY: *Gregory M. Dorosh* NAME/DATE/TIME: Gregory M. Dorosh, P.E. 2019.05.06 11:00:12-04'00'

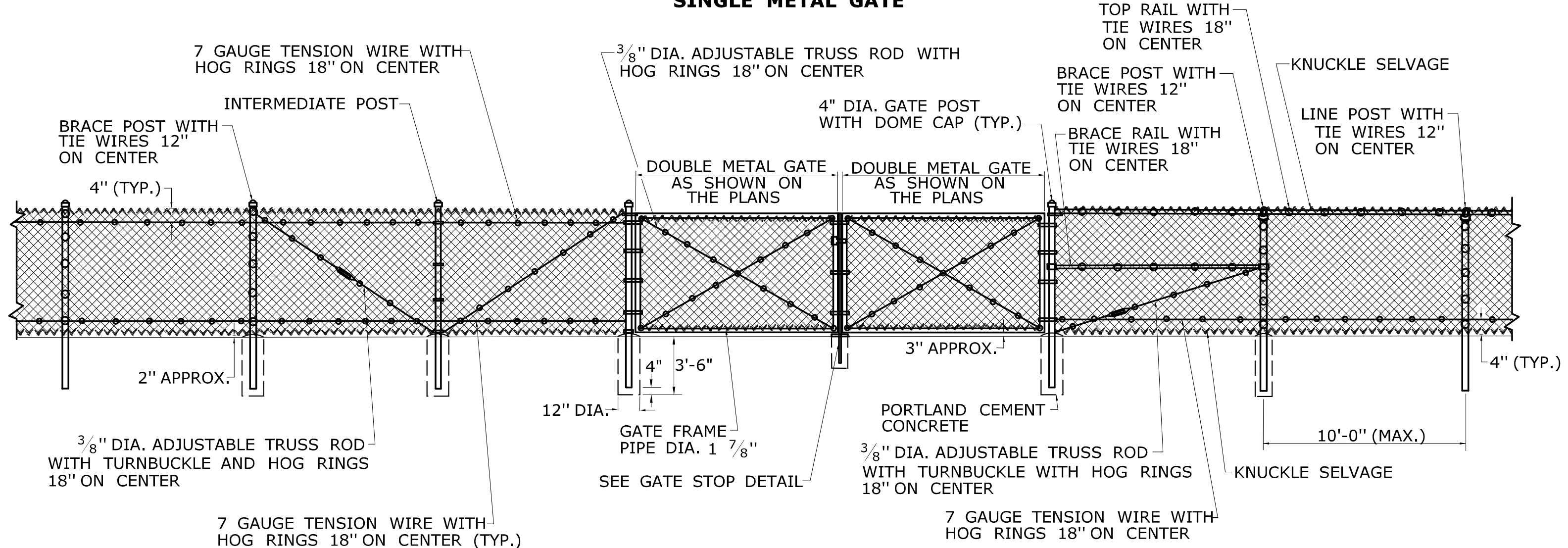
CTDOT
STANDARD SHEET
OFFICE OF ENGINEERING

STANDARD SHEET TITLE: **CHAIN LINK FENCE HARDWARE**

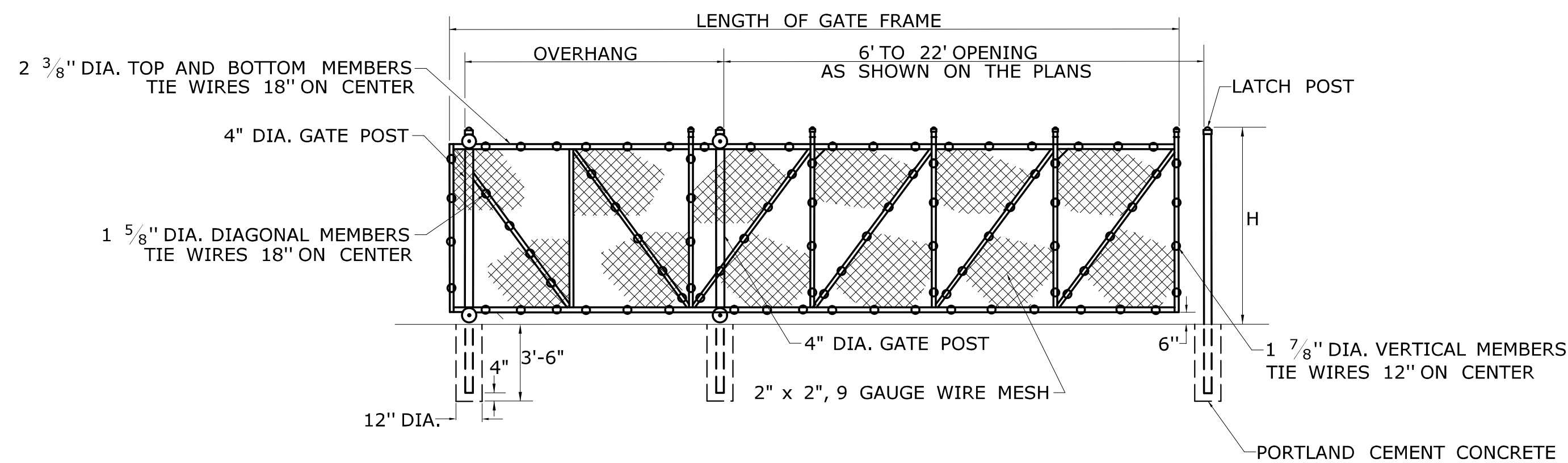
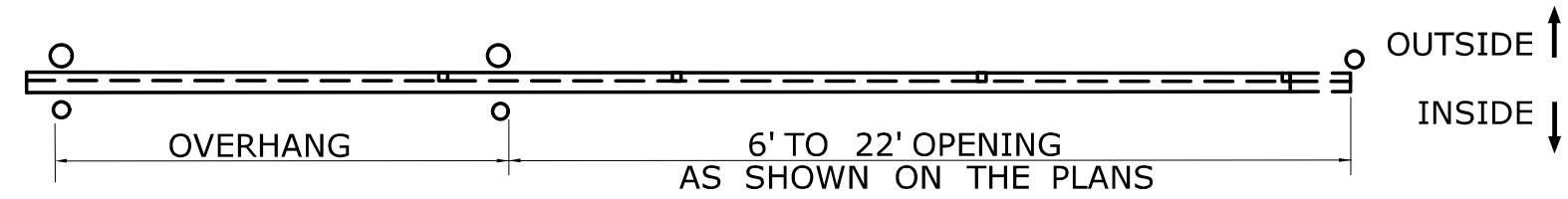
STANDARD SHEET NO.: **HW-913_01b**



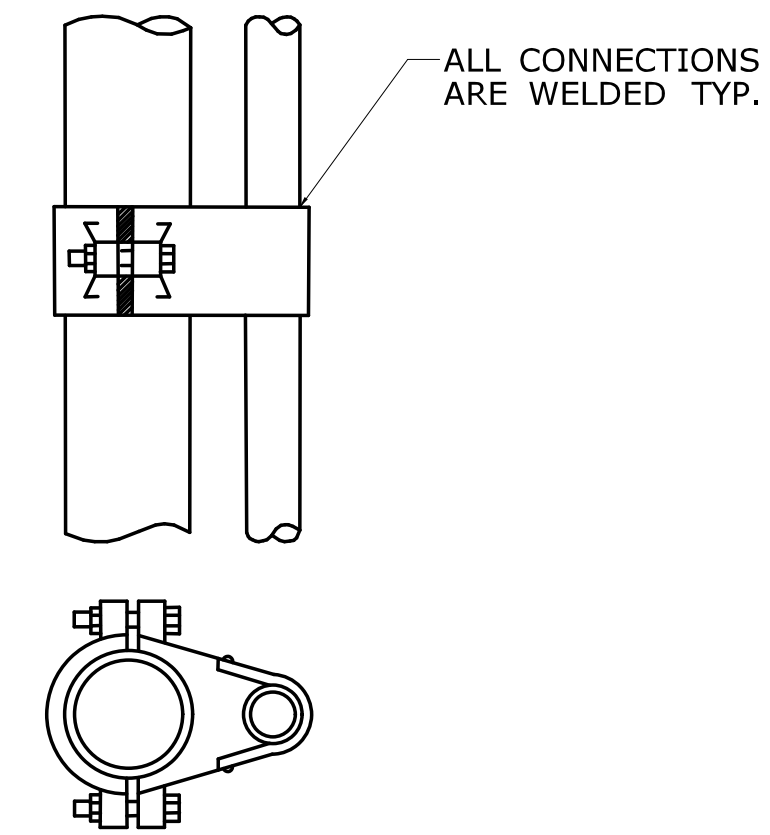
SINGLE METAL GATE



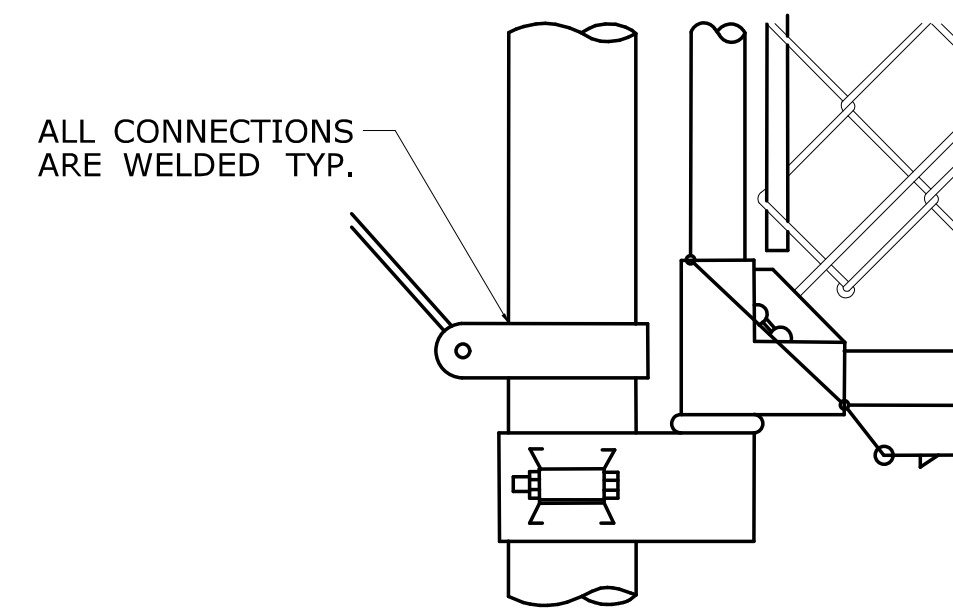
DOUBLE METAL GATE



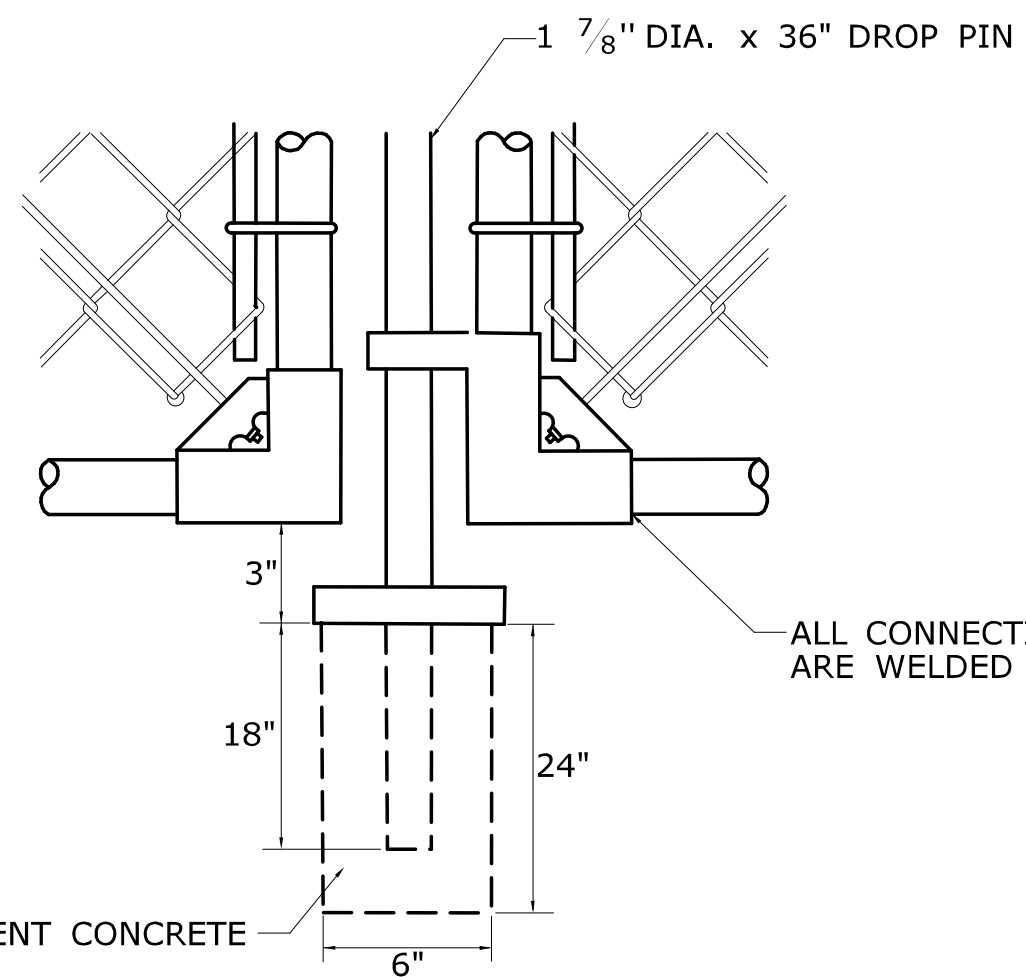
SINGLE CANTILEVERED SLIDING GATE



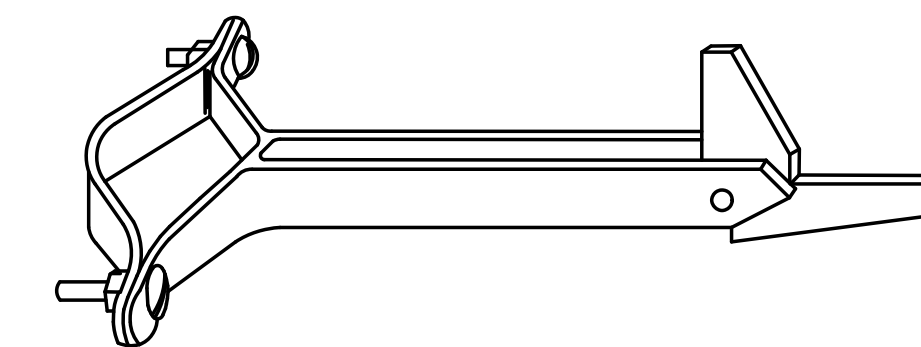
TOP GATE HINGE



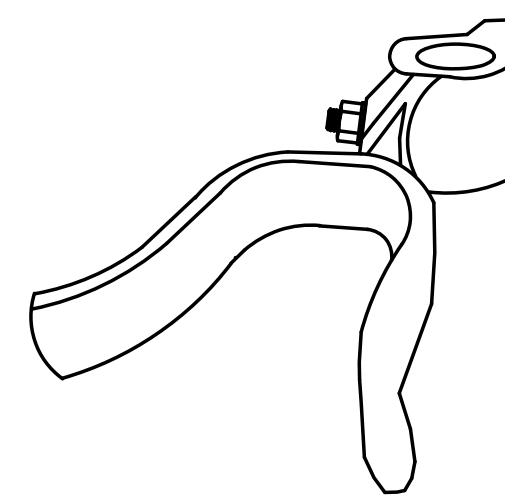
**GATE HINGE
BOTTOM**



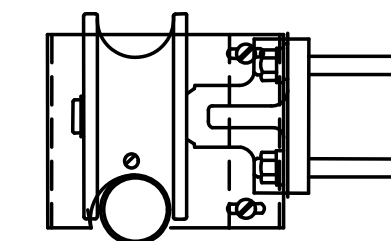
GATE STOP



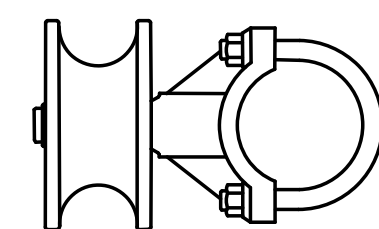
GATE HOLD BACK



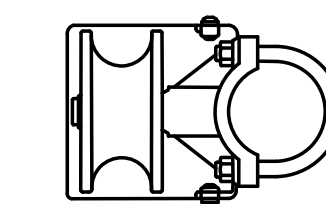
GATE LATCH



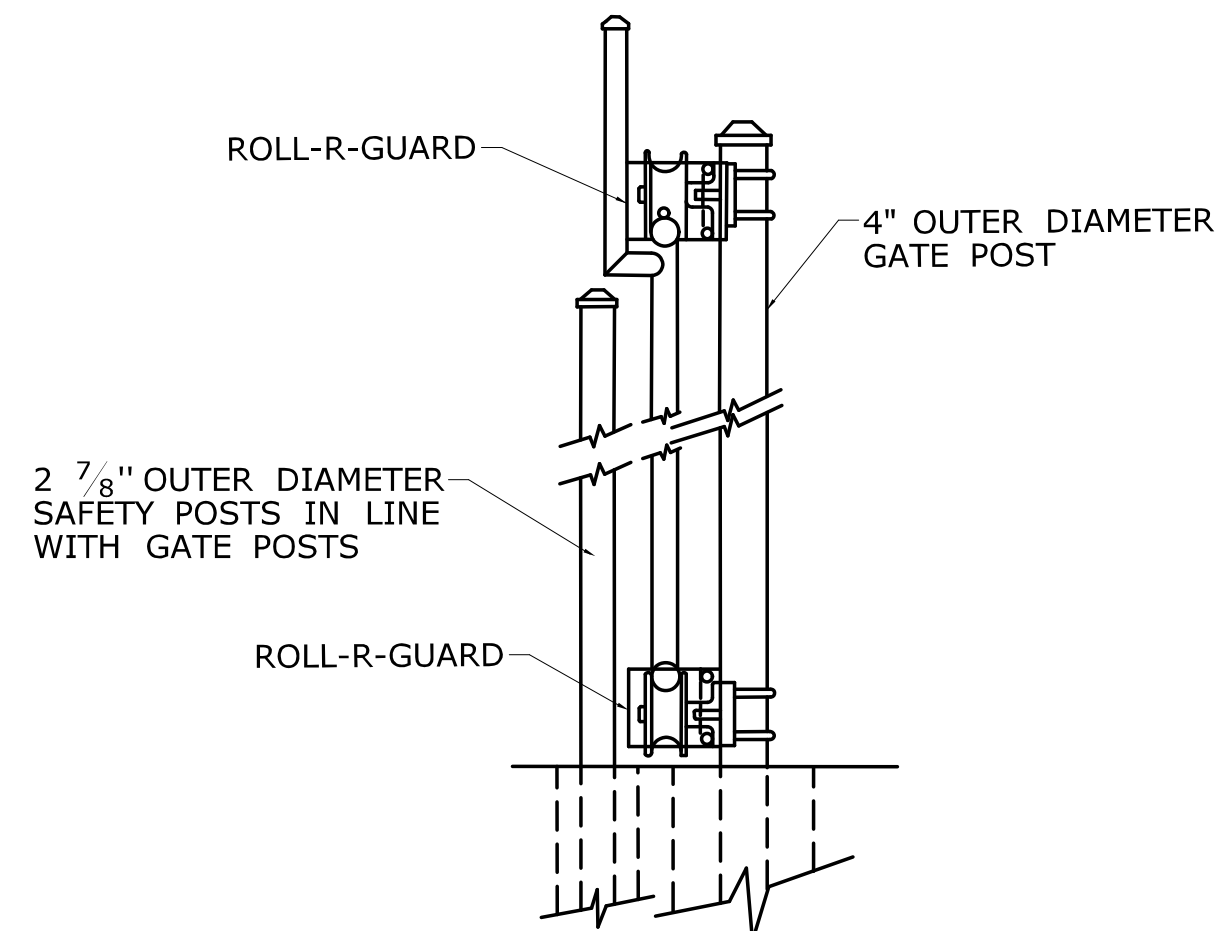
**ROLLER ASSEMBLY
WITH ROLL-R-GUARD
(TOP)**



**ROLLER ASSEMBLY
(GUARD NOT SHOWN)**



**ROLLER ASSEMBLY
WITH ROLL-R-GUARD
(BOTTOM)**



**SECTION AT GATE POSTS
WITH ROLLER COVERS/GUARDS
AND SAFETY POSTS**

REV.	DATE	REVISION DESCRIPTION

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

File name: CTDOT-HIGHWAY-STD-[4-16-19].dgn Model: 297 - HW-913.02

SUBMITTED BY: *Leo Fontaine* NAME/DATE/TIME: Leo Fontaine, P.E. 2019.05.01 11:40:36-04'00'
 APPROVED BY: *Gregory M. Dorosh* NAME/DATE/TIME: Gregory M. Dorosh, P.E. 2019.05.06 11:01:05-04'00'

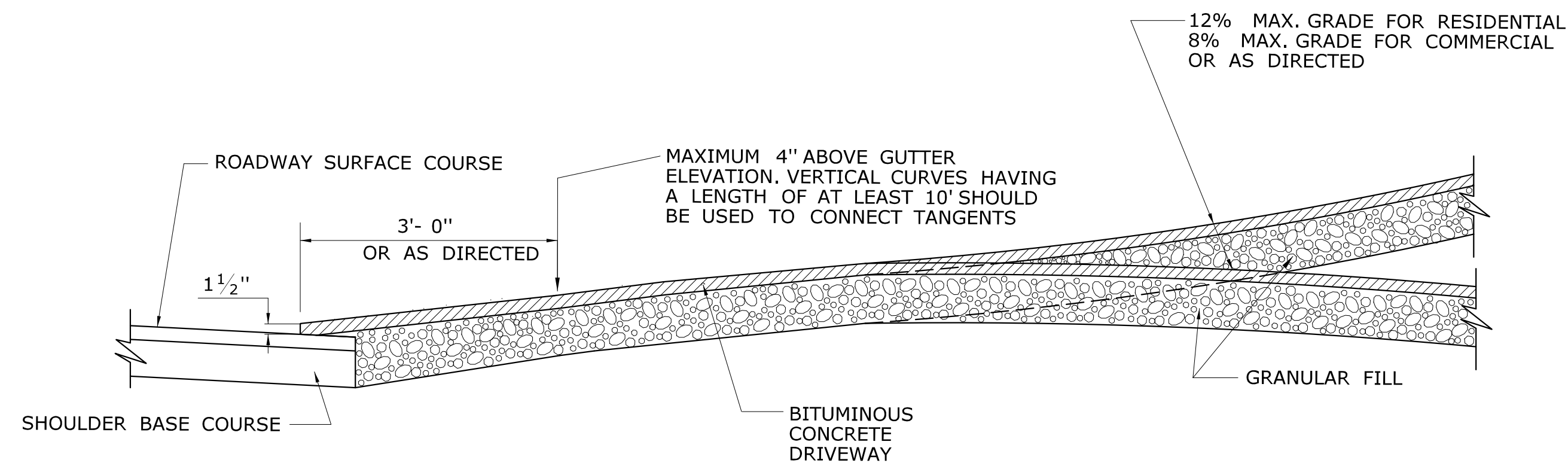
**CTDOT
STANDARD SHEET**

OFFICE OF ENGINEERING

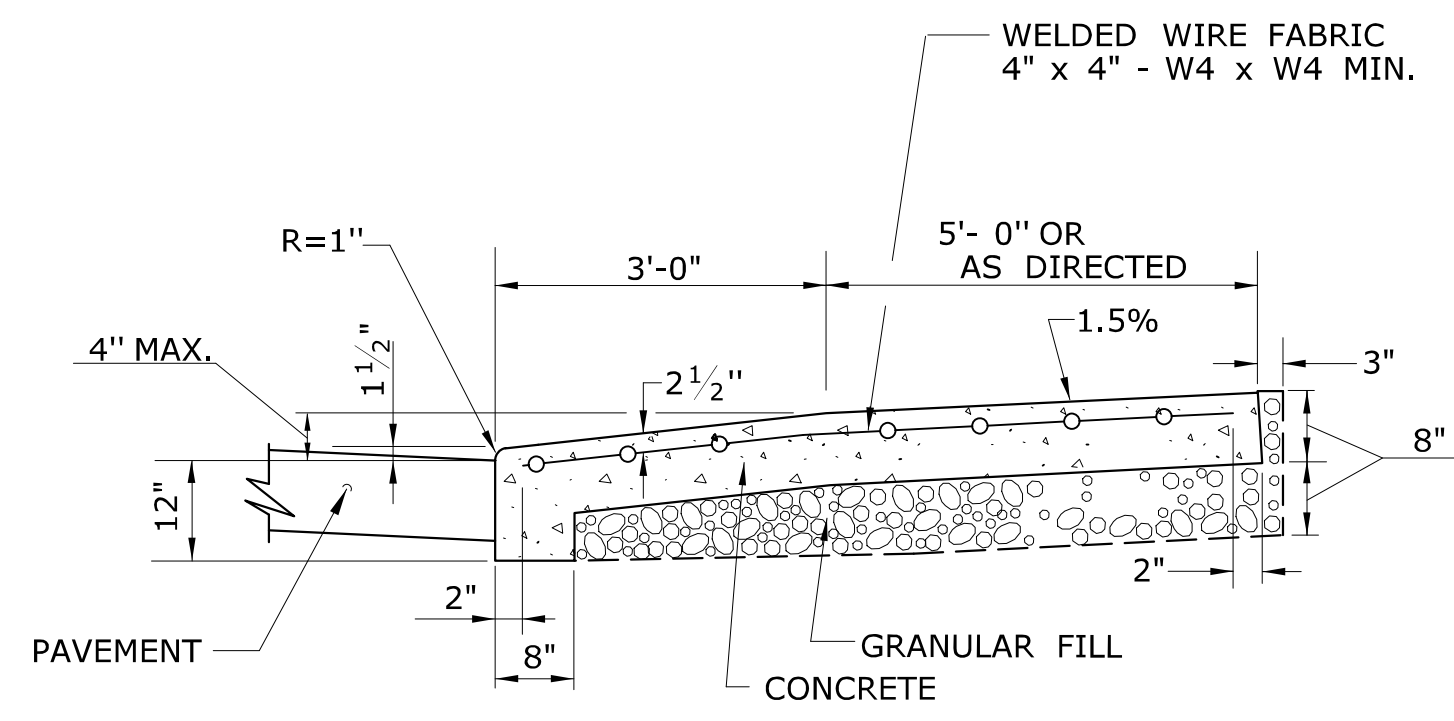
STANDARD SHEET TITLE:
**CHAIN LINK FENCE
GATES**

STANDARD SHEET NO.:
HW-913_02

Plotted Date: 5/1/2019

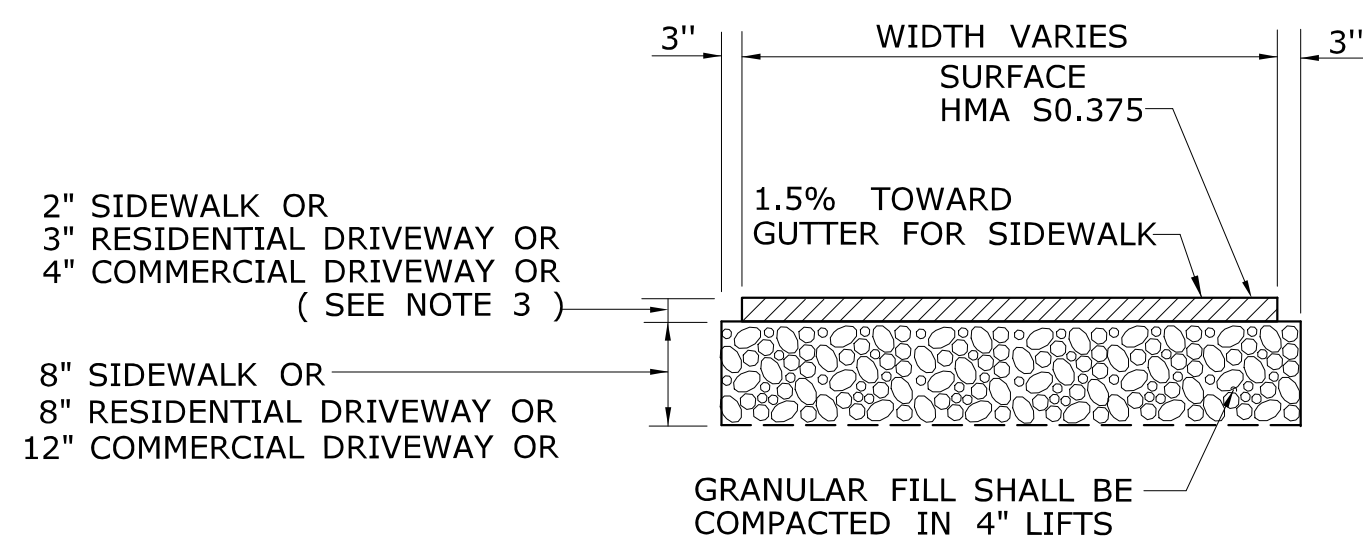


SECTION A

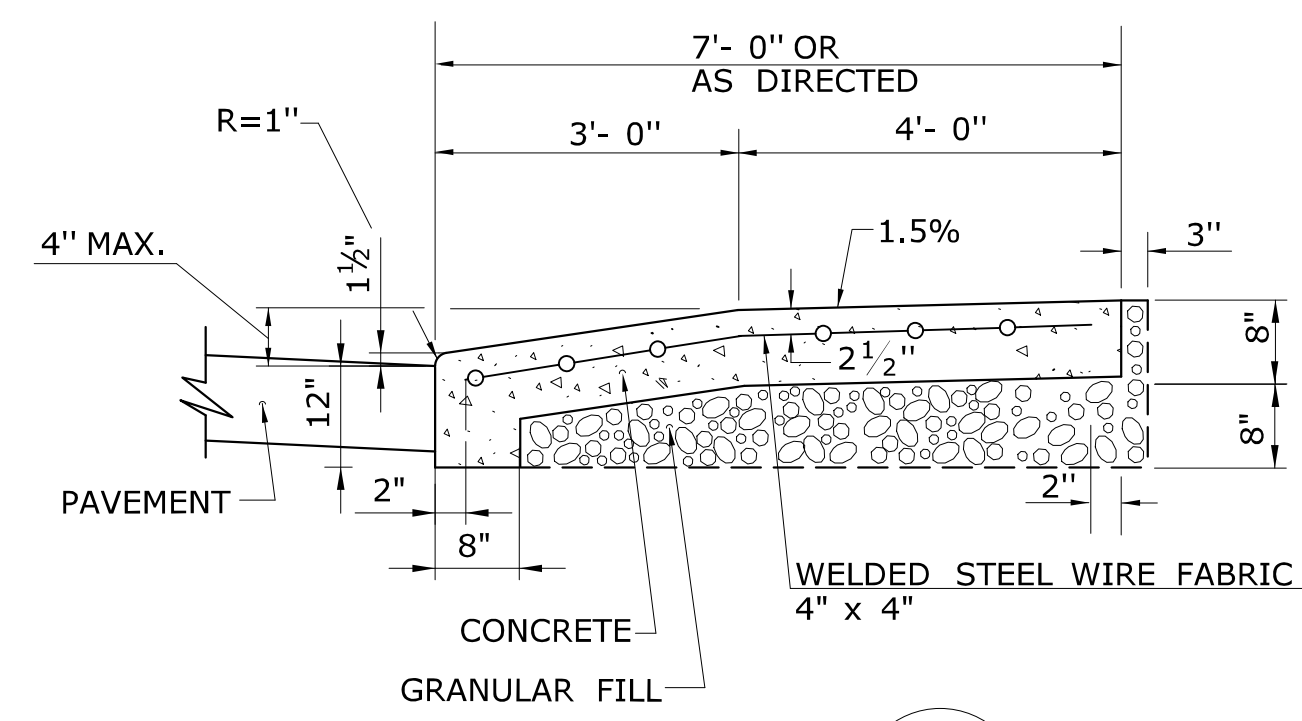


SECTION C

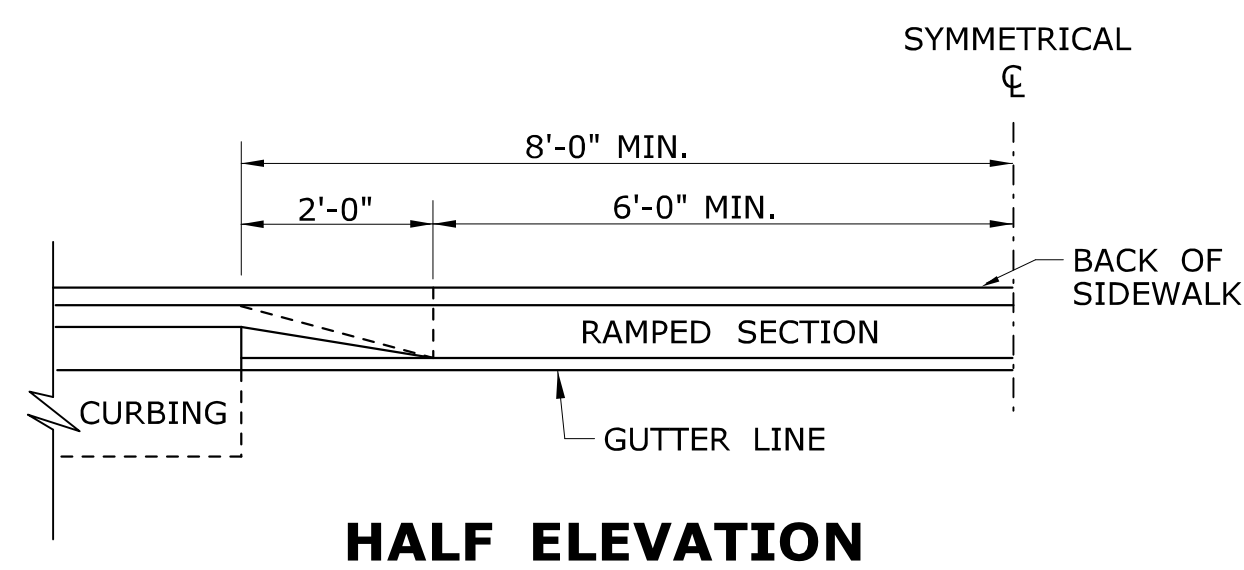
- GENERAL NOTES:**
1. DRIVEWAY ENTRANCE SHALL BE A MINIMUM OF 12' WIDE, EXCLUDING CURBING WHEN PRESENT.
 2. WELDED WIRE FABRIC MATS WITH REINFORCING AT CLOSER SPACING MAY BE USED.
 3. SURFACE HMA S0.375 TO BE PLACED IN TWO EQUAL LIFTS FOR BOTH RESIDENTIAL AND COMMERCIAL DRIVEWAYS.



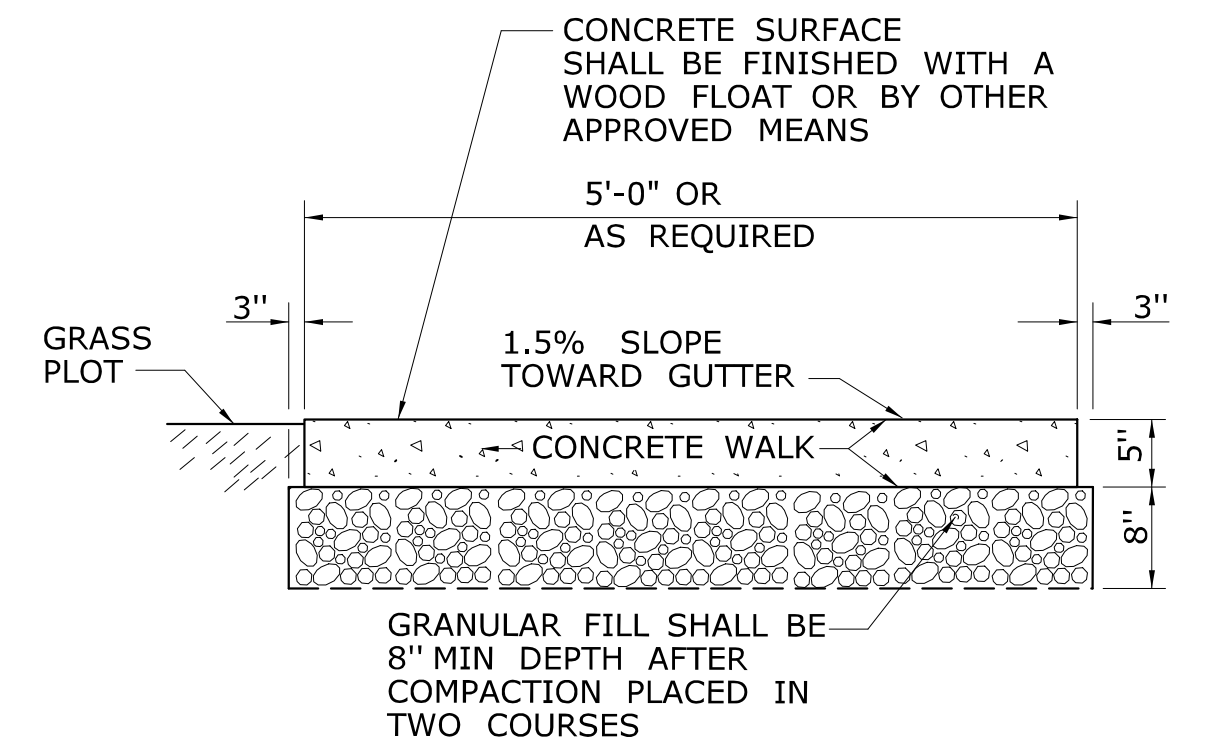
**TYPICAL SECTION
BITUMINOUS CONCRETE
SIDEWALK AND DRIVEWAY**



SECTION B

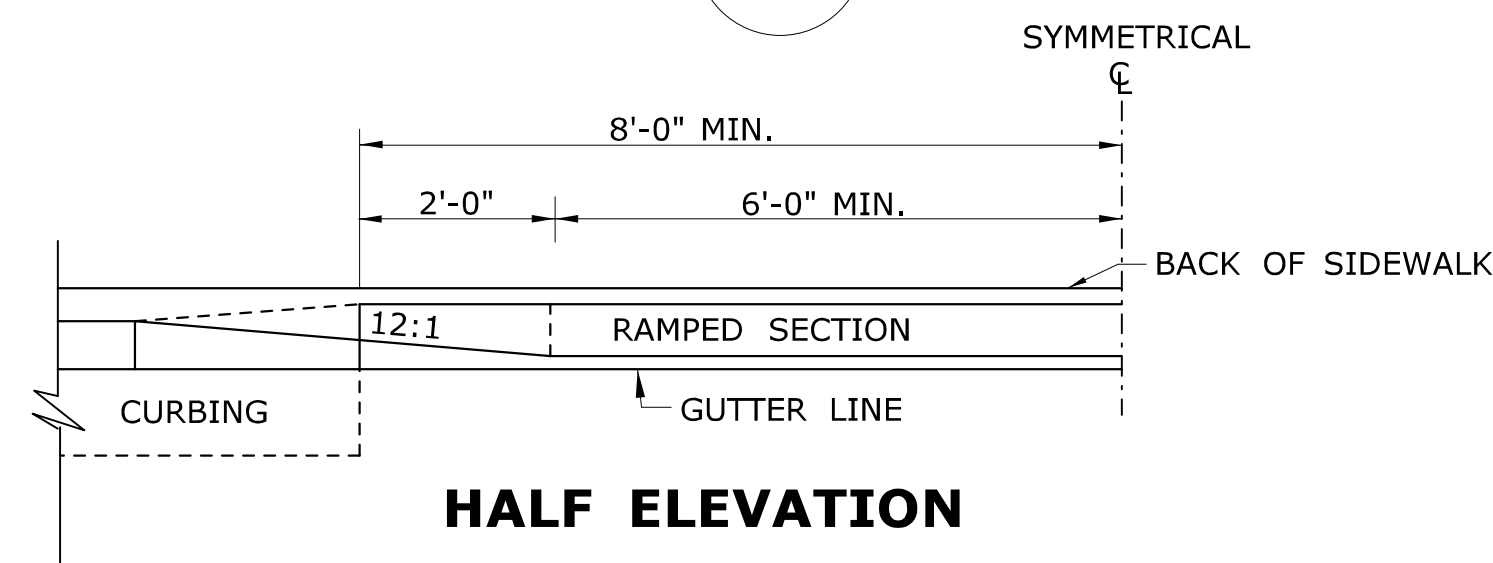


HALF ELEVATION

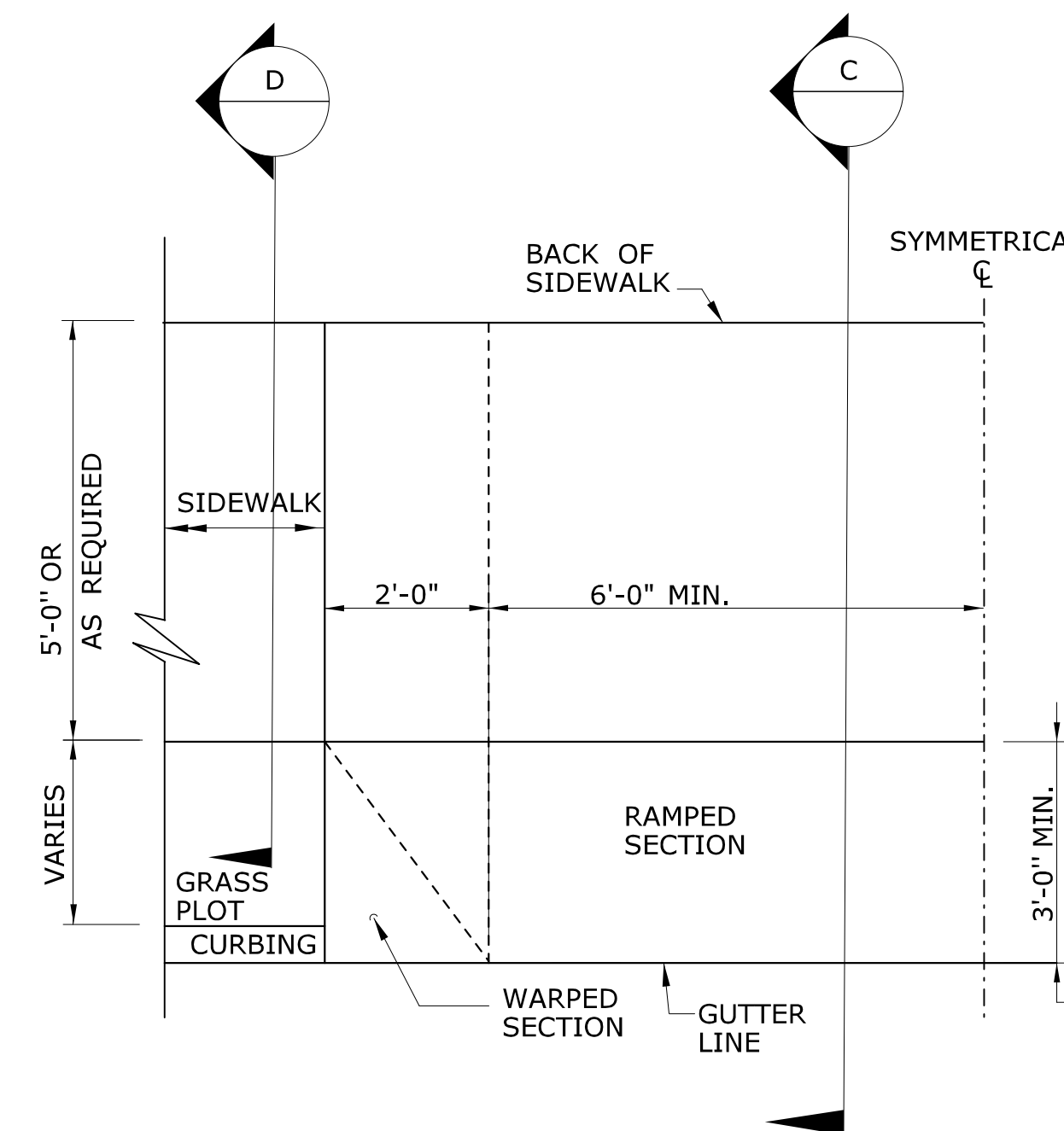


SECTION D

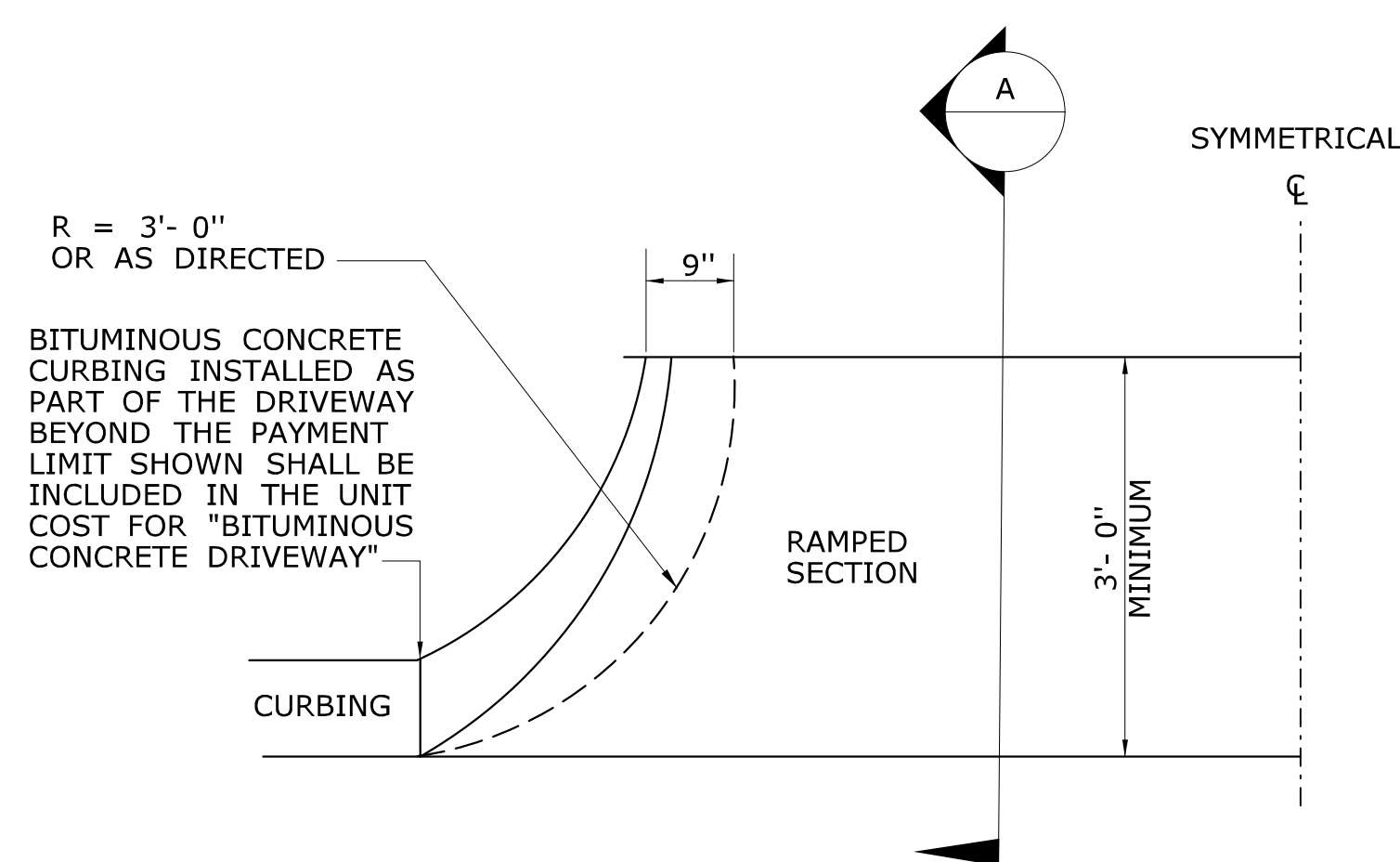
**5' WIDE CONCRETE
SIDEWALK WITH GRASS PLOT**



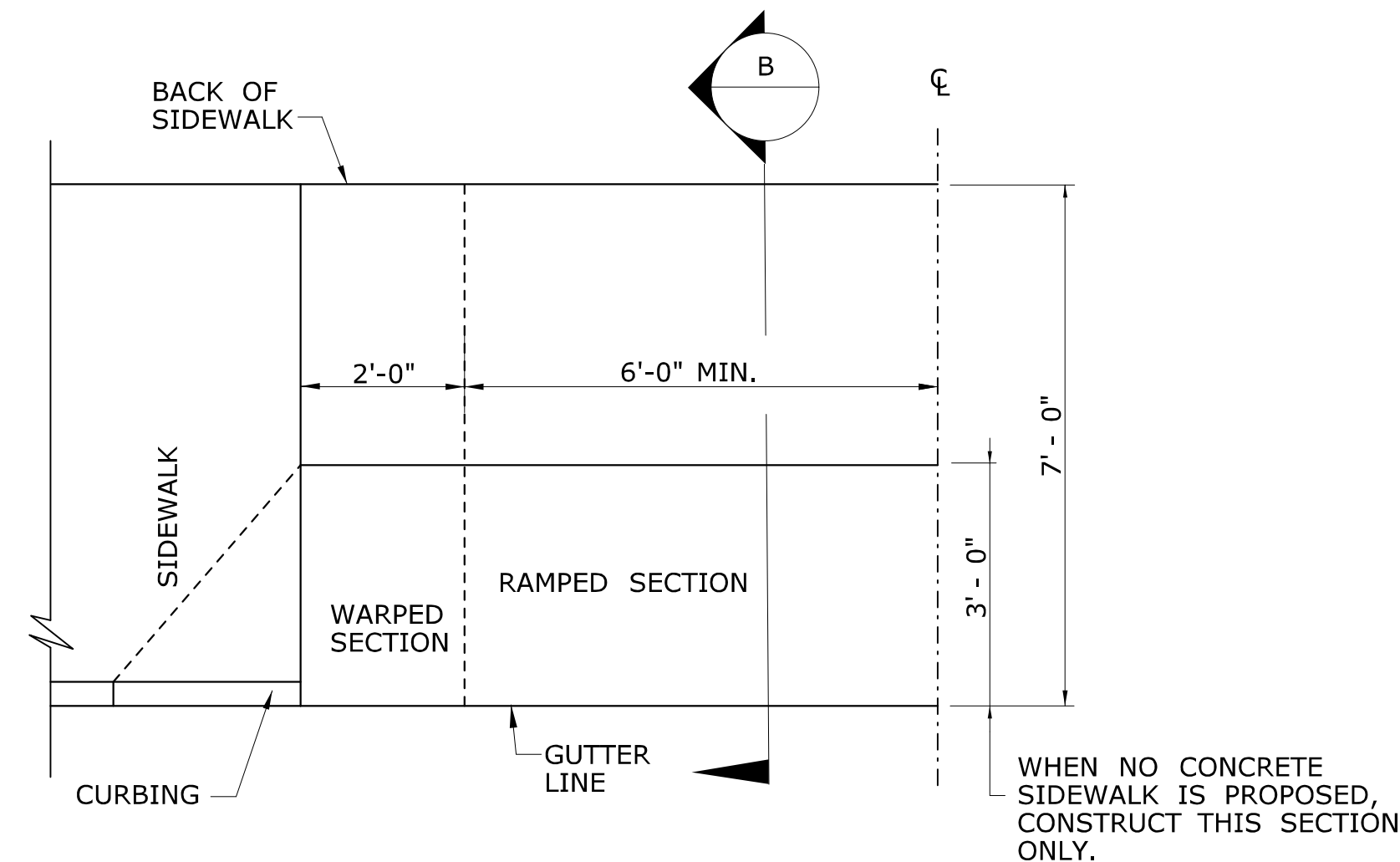
HALF ELEVATION



**HALF PLAN OF
CONCRETE DRIVEWAY RAMP WHERE
CURB IS SEPARATED FROM
SIDEWALK BY GRASS PLOT**



**HALF BITUMINOUS CONCRETE
DRIVEWAY PLAN**



**HALF PLAN OF
CONCRETE DRIVEWAY RAMP WHERE
SIDEWALK ADJOINS CURBING**

WHEN NO CONCRETE SIDEWALK IS PROPOSED, CONSTRUCT THIS SECTION ONLY.

1	6/01/10	REVISED BORDER TITLE
2	6/01/10	REVISED HALF ELEVATION DETAILS
3	1/12	REVISE 2% MAX. SLOPE NOTE
4	6/17	REVISED SLOPES & MATERIAL COMPOSITIONS
-	-	INCREASED WALKING WIDTH OF CONCRETE DRIVEWAY RAMP

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

NOT TO SCALE



Filename: HW-921_01.dgn Model: CT-Civil-2D-Sheet

SUBMITTED BY:	NAME/DATE/TIME:
	Leo Fontaine, P.E. 2017.06.07 07:34:10-04'00'
APPROVED BY:	NAME/DATE/TIME:
	Gregory M. Dorosh, P.E. 2017.06.07 10:47:32-04'00'

**CTDOT
STANDARD SHEET
OFFICE OF ENGINEERING**

STANDARD SHEET TITLE:
DRIVEWAY RAMPS AND SIDEWALKS

STANDARD SHEET NO.:
HW-921_01

ONLY STANDARD SHEETS MARKED WITH AN "✓" ARE IN THIS PROJECT #

SHEET NO.	TITLE	APPROVAL DATE
TR-1000_01	GENERAL CLAUSES (TEST PROCEDURES)	1/2014
TR-1001_01	TRENCHING & BACKFILLING, ELECTRICAL CONDUIT	4/2012
TR-1002_01	TRAFFIC CONTROL FOUNDATIONS	1/2014
TR-1010_01	CONCRETE HANDHOLE	4/2014
TR-1102_01	PEDESTALS, PEDESTRIAN SIGNALS	4/2012
TR-1105_01	TRAFFIC SIGNALS AND CABLE ASSIGNMENTS	8/2018
TR-1107_01	PEDESTRIAN PUSH BUTTON	8/2018
TR-1108_01	CONTROLLERS	5/2013
TR-1111_01	LOOP VEHICLE DETECTOR AND SAWCUT	4/2014
TR-1113_01	CONTROL CABLE	4/2014
TR-1114_01	BONDING & UTILITY POLE ATTACHMENT DETAILS, SIGN HANGER, "Y" CLAMP DETAILS	8/2018

SHEET NO.	TITLE	APPROVAL DATE
TR-1205_01	DELINEATION, DELINEATORS AND OBJECT MARKER DETAILS	8/2018
TR-1208_01	SIGN PLACEMENT AND RETROREFLECTIVE STRIP DETAILS	8/2018
TR-1208_02	METAL SIGN POSTS AND SIGN MOUNTING DETAILS	6/2017
TR-1210_01	PAVEMENT MARKINGS (DURABLE MARKINGS) FOR DIVIDED HIGHWAYS	OBSOLETE
TR-1210_02	PAVEMENT MARKINGS (DURABLE MARKINGS) FOR DIVIDED HIGHWAYS	OBSOLETE
TR-1210_03	SPECIAL DETAILS & TYPICAL PAVEMENT MARKINGS FOR TWO-WAY HIGHWAYS	OBSOLETE
TR-1210_04	PAVEMENT MARKING LINES AND SYMBOLS	8/2018
TR-1210_05	PAVEMENT MARKINGS FOR DIVIDED HIGHWAYS	4/2017
TR-1210_06	PAVEMENT MARKINGS FOR DIVIDED HIGHWAYS	8/2018
TR-1210_07	PAVEMENT MARKINGS FOR EXIT RAMP	4/2017
TR-1210_08	PAVEMENT MARKINGS FOR NON FREEWAYS	8/2018
TR-1210_09	PAVEMENT MARKINGS FOR BICYCLE LANES, PARKING STALLS, AND RR CROSSINGS	4/2017
TR-1220_01	SIGNS FOR CONSTRUCTION AND PERMIT OPERATIONS	8/2018
TR-1220_02	CONSTRUCTION SIGN SUPPORTS AND CHANNELIZING DEVICES	8/2018

STANDARD SHEETS SHALL BE USED WITH STANDARD SPECIFICATIONS

E5 - SERIES				G20 - SERIES				M4 - SERIES				R1 - SERIES				R9 & R11 - SERIES				W1 - SERIES				W3 - SERIES																																																																																																																						
<p>E5-1</p> <p>COPY & BORDER - WHITE BACKGROUND - GREEN</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>16.0</td> <td>48</td> <td>51-6147</td> <td>2</td> </tr> </tbody> </table>				AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	16.0	48	51-6147	2	<p>G20-2a</p> <p>VARIABLE MILEAGE</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>8.0</td> <td>48X24</td> <td>80-9612</td> <td>2</td> </tr> <tr> <td>9.0</td> <td>36</td> <td>80-9711</td> <td>1</td> </tr> <tr> <td>16.0</td> <td>48</td> <td>80-9712</td> <td>2</td> </tr> </tbody> </table>				AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	8.0	48X24	80-9612	2	9.0	36	80-9711	1	16.0	48	80-9712	2	<p>M4-8</p> <p>VARIABLE ARROW</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>2.0</td> <td>24X12</td> <td>80-9707</td> <td>1</td> </tr> </tbody> </table>				AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	2.0	24X12	80-9707	1	<p>M4-9b</p> <p>VARIABLE ARROW</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>5.0</td> <td>30X24</td> <td>80-9703</td> <td>1</td> </tr> </tbody> </table>				AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	5.0	30X24	80-9703	1	<p>R1-1</p> <p>COPY & BORDER - WHITE BACKGROUND - RED</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>5.19</td> <td>30</td> <td>31-0552</td> <td>1</td> </tr> <tr> <td>13.30</td> <td>48</td> <td>31-0557</td> <td>2</td> </tr> </tbody> </table>				AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	5.19	30	31-0552	1	13.30	48	31-0557	2	<p>R9-9</p> <p>COPY & BORDER - BLACK BACKGROUND - WHITE</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>3.75</td> <td>30X18</td> <td>80-9076</td> <td>1</td> </tr> </tbody> </table>				AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	3.75	30X18	80-9076	1	<p>R11-3a</p> <p>VARIABLE MILEAGE COPY & BORDER - BLACK BACKGROUND - WHITE</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>12.5</td> <td>60X30</td> <td>80-9077</td> <td>2</td> </tr> </tbody> </table>				AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	12.5	60X30	80-9077	2	<p>W1-4</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>9.0</td> <td>36</td> <td>80-9432L</td> <td>1</td> </tr> <tr> <td>9.0</td> <td>36</td> <td>80-9431R</td> <td>1</td> </tr> <tr> <td>16.0</td> <td>48</td> <td>80-9452L</td> <td>2</td> </tr> <tr> <td>16.0</td> <td>48</td> <td>80-9451R</td> <td>2</td> </tr> </tbody> </table>				AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	9.0	36	80-9432L	1	9.0	36	80-9431R	1	16.0	48	80-9452L	2	16.0	48	80-9451R	2	<p>W3-1</p> <p>OCTAGON - RED W/ WHITE BORDER ARROW & BORDER - BLACK BACKGROUND - FLUORESCENT ORANGE</p> <table border="1"> <thead> <tr> <th>AREA (SQ. FT)</th> <th>SIZE (INCHES)</th> <th>CONN. D.O.T. #</th> <th>POSTS</th> </tr> </thead> <tbody> <tr> <td>9.0</td> <td>36</td> <td>80-9050</td> <td>1</td> </tr> <tr> <td>16.0</td> <td>48</td> <td>80-9051</td> <td>2</td> </tr> </tbody> </table>				AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	9.0	36	80-9050	1	16.0	48	80-9051	2							
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6	8-2018	REVISED POST REQUIREMENTS AND SHEETING TYPE.	<p>THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.</p> <p>Plotted Date: 8/10/2018</p>	<p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p>	<p>FILENAME: TR-1220_01_1_2018.dgn Model: TR-1220_01</p>	<p>SUBMITTED BY: Mark F. Makuch, P.E. 2018.08.17 09:11:08-04'00'</p>	<p>CTDOT STANDARD SHEET OFFICE OF ENGINEERING</p>	<p>STANDARD SHEET TITLE: SIGNS FOR CONSTRUCTION AND PERMIT OPERATIONS</p>	<p>STANDARD SHEET NO.: TR-1220_01</p>
5	8-2015	UPDATED PER MUTCD AND FORM 816 JAN 2015 REVISION.							
4	6-2012	REVISED NOTE #1 TO REFERENCE "O.S.T.A."							
3	4-2012	REVISED NEW SIGNAL SIGN(S) TO CONFORM TO 2009 MUTCD.							
2	2-2011	MINOR REVISIONS.							
1	3-2010	REMOVED OBSOLETE SIGNS (50-5925, 50-5935).							
REV.	DATE	REVISION DESCRIPTION	NOT TO SCALE			<p>APPROVED BY: Mark F. Carfino, P.E. 2018.08.21 07:49:34-04'00'</p>			

NOTES:

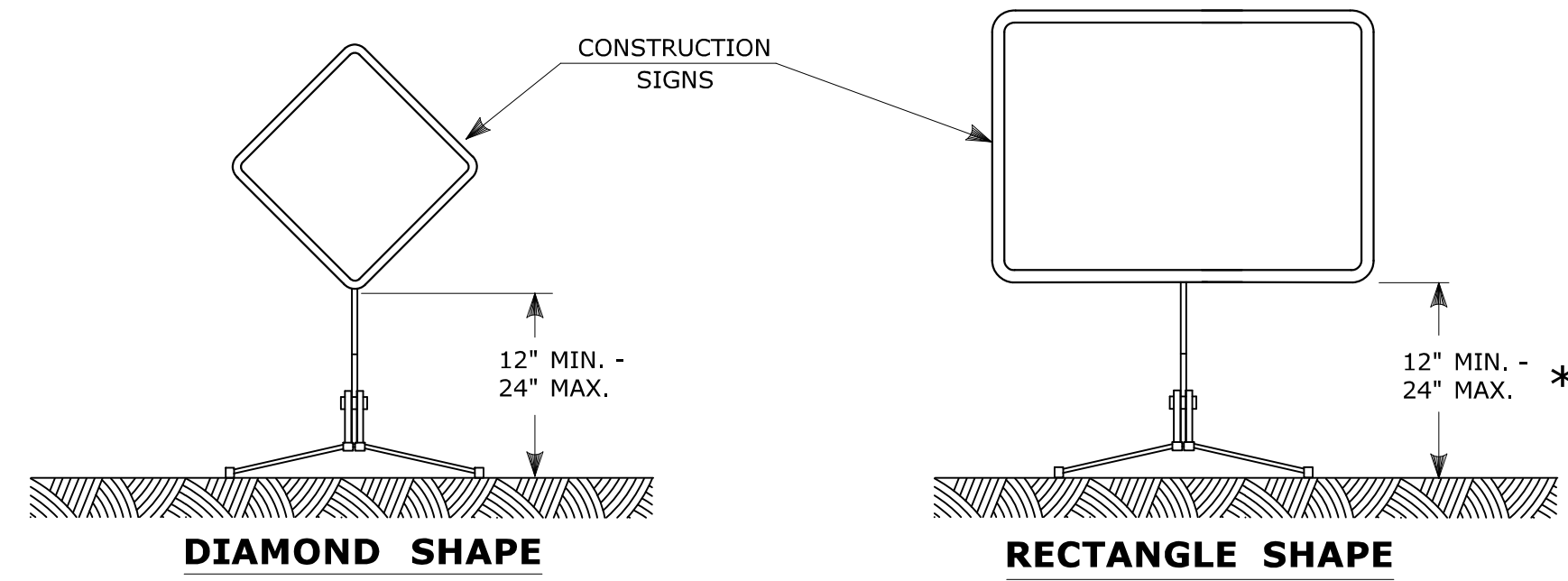
- R1-SERIES SIGN THE LEGEND "O.S.T.A." SHALL APPEAR.
- POSTS - SEE STANDARD SHEET TR-1208.02 - "METAL SIGN POSTS AND SIGN MOUNTING DETAILS".
- POSTS SHALL BE 4 LBS./FT.
- ALL POSTS NOTED ARE FOR LONG TERM INSTALLATION. SEE STANDARD SHEET TR-1208.02.
- FOR TEMPORARY SUPPORTS SEE STANDARD SHEET TR-1220.02 - "CONSTRUCTION SIGN SUPPORTS AND CHANNELIZING DEVICES".
- FOR SPECIFIC SIGN DESIGN, CONTACT CONN. D.O.T., DIVISION OF TRAFFIC ENGINEERING. FOR BOLT HOLE PATTERN REFER TO FHWA PUBLICATION "STANDARD HIGHWAY SIGNS". SIGNS OF DIFFERENT DIMENSIONS TO BE ERCTED ON THE SAME POSTS, OR SPAN/MAST ARM MOUNTED, MAY REQUIRE SPECIAL BOLT HOLE PATTERNS.
- ALL CONSTRUCTION SIGNS TO BE PAID FOR UNDER THE CONSTRUCTION SIGNS ITEM IN THE CONTRACT.
- MATERIALS & COLORS SHALL CONFORM TO STATE SPECIFICATIONS.

MATERIALS:

SIGNS AND THEIR PORTABLE SUPPORTS SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 2 DEVICES. ALUMINUM THICKNESS FOR POST MOUNTED SIGNS SHALL BE .100" EXCEPT SIGN #s. 80-1605, 80-9914, 80-9815, 80-9728, 80-9519, & 51-6147 (L OR R) WHICH SHALL BE .125". PLYWOOD THICKNESS FOR POST MOUNTED SIGNS SHALL BE 1/2" EXTERIOR GRADE A-C OR BETTER. SIGN BLANKS SHALL HAVE ONE COAT OF PRIMER PAINT PRIOR TO APPLICATION OF RETROREFLECTIVE SHEETING & COPY.

COLORS:

BACKGROUND - FLUORESCENT ORANGE - EXCEPT AS NOTED.
LEGEND - BLACK - EXCEPT AS NOTED.
ALL SIGNS WITH FLUORESCENT ORANGE BACKGROUND TO USE TYPE VIII RETROREFLECTIVE SHEETING.
ALL OTHER SIGNS TO USE TYPE IX RETROREFLECTIVE SHEETING.

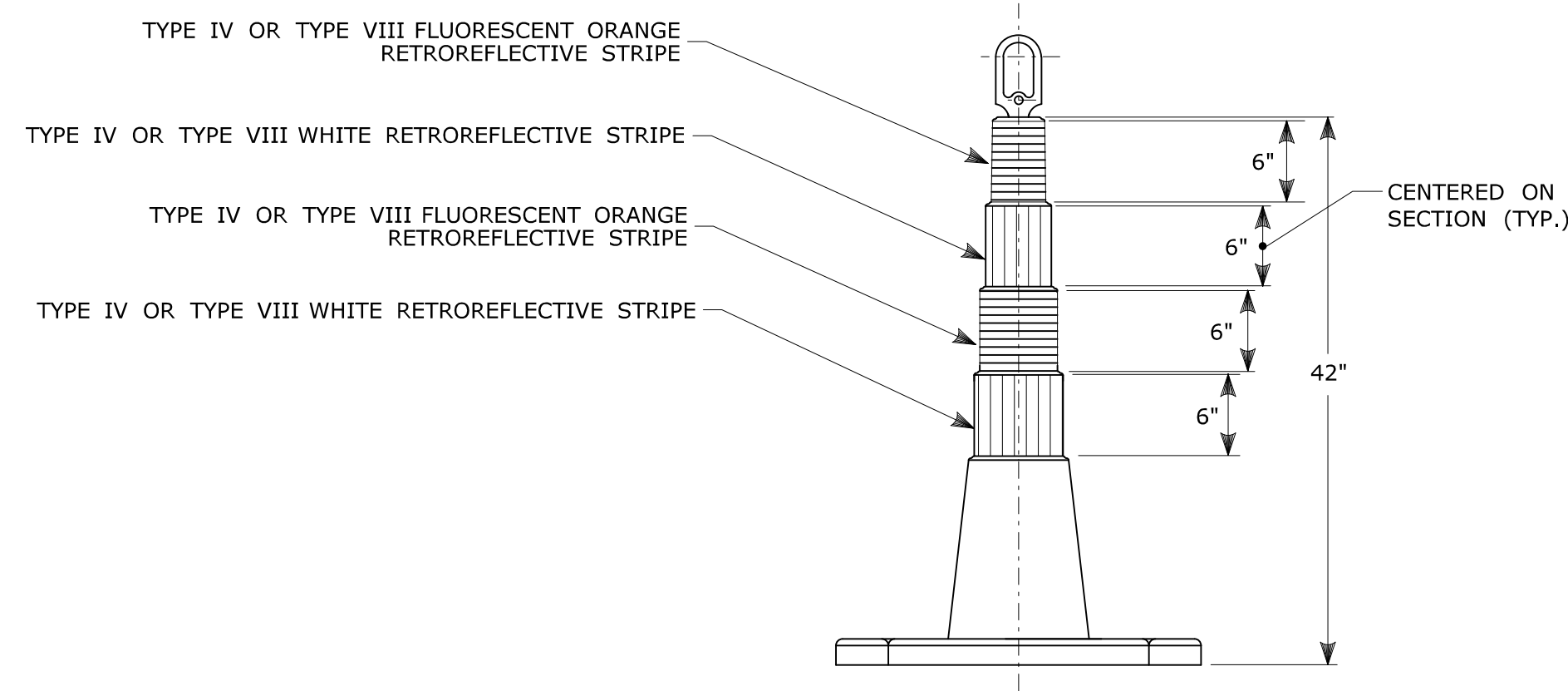


PORTABLE CONSTRUCTION SIGNS

NOTES FOR PORTABLE SIGN SUPPORTS:

- SIGNS AND THEIR PORTABLE SUPPORTS SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 2 DEVICES AND THE LATEST EDITION OF THE MUTCD.
- MOUNTING HEIGHT OF SIGNS SHALL BE A MINIMUM OF 12" AND A MAXIMUM OF 24". SIGNS SHALL BE MOUNTED HIGHER AS NEEDED TO MEET FIELD CONDITIONS OR AS DIRECTED BY THE ENGINEER.
- THE ENGINEER RESERVES THE RIGHT TO REJECT ANY SUPPORT DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
- PORTABLE SIGN SUPPORTS SHALL BE STABILIZED IN A MANNER THAT WILL NOT AFFECT THEIR COMPLIANCE WITH NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 2 DEVICES.
- PORTABLE CONSTRUCTION SIGN SUPPORTS SHOULD NOT BE USED FOR DURATION OF MORE THAN 3 DAYS EXCEPT FOR R9-8 THROUGH R9-11a SERIES, R11 SERIES, W1-6 THROUGH W1-8 SERIES, M4-10, AND E5-1. SEE STANDARD SHEET TR-1220.01 - "SIGNS FOR CONSTRUCTION AND PERMIT OPERATIONS" FOR SIGN DETAILS.

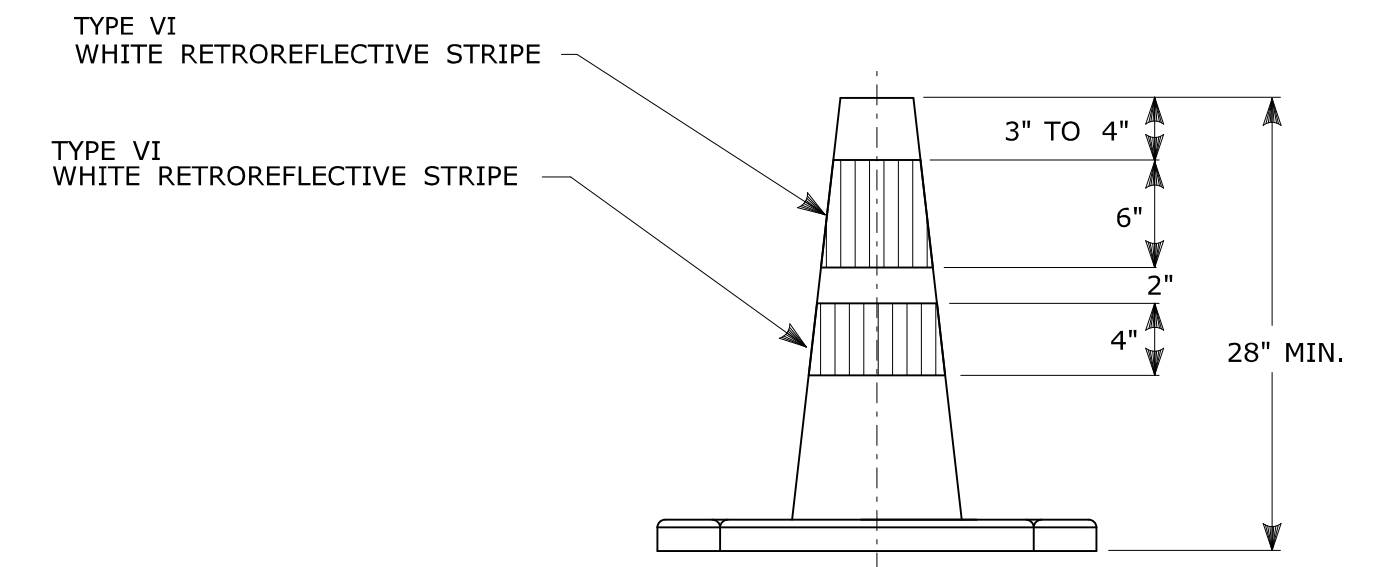
* FOR E5-1 (EXIT SIGNS) USE MIN 48".



42" TRAFFIC CONE

NOTES:

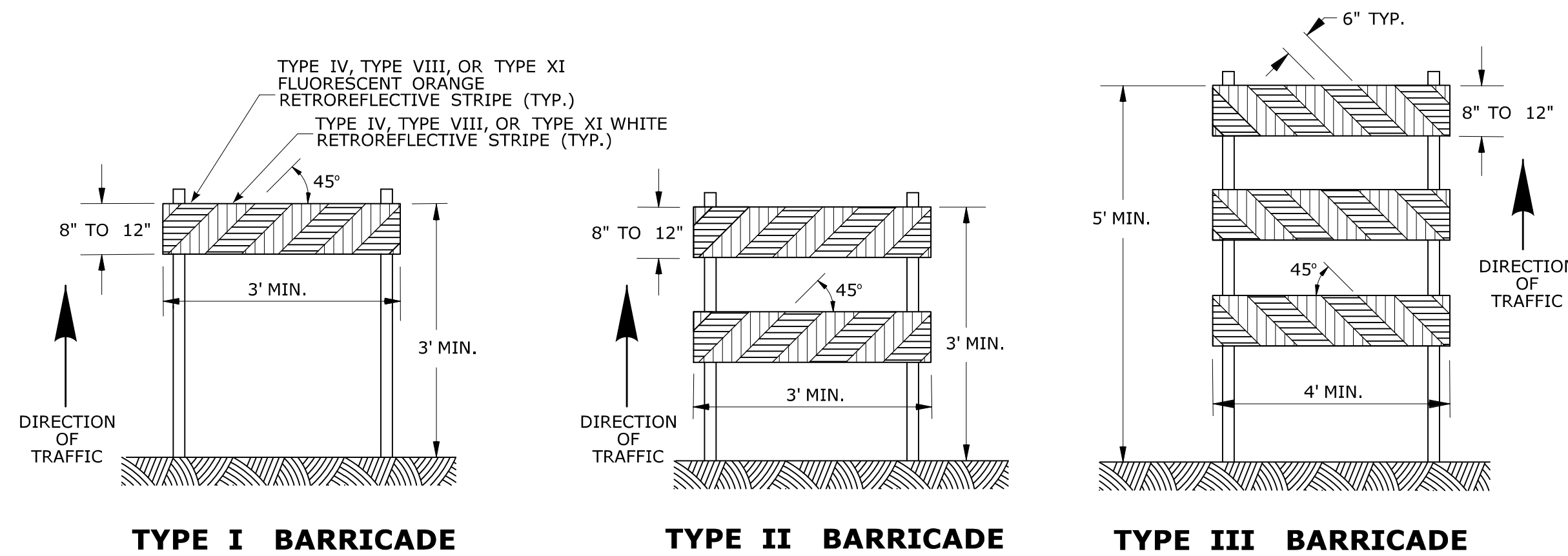
- TRAFFIC CONES SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 1 DEVICES AND THE LATEST EDITION OF THE MUTCD.
- IF RUBBER CONES ARE USED, THEY SHALL HAVE INTERIOR RIBS FOR RIGIDITY.
- IF PLASTIC CONES ARE USED, THEY SHALL BE COLOR IMPREGNATED.
- THE ENGINEER RESERVES THE RIGHT TO REJECT ANY CONE DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
- THE ENTIRE AREA OF FLUORESCENT ORANGE AND WHITE STRIPES SHALL BE RETROREFLECTIVE SHEETING AS REQUIRED IN THE SPECIFICATIONS.
- THE SECTIONS OF CONES NOT COVERED WITH RETROREFLECTIVE STRIPES SHALL BE ORANGE.



TRAFFIC CONE

NOTES:

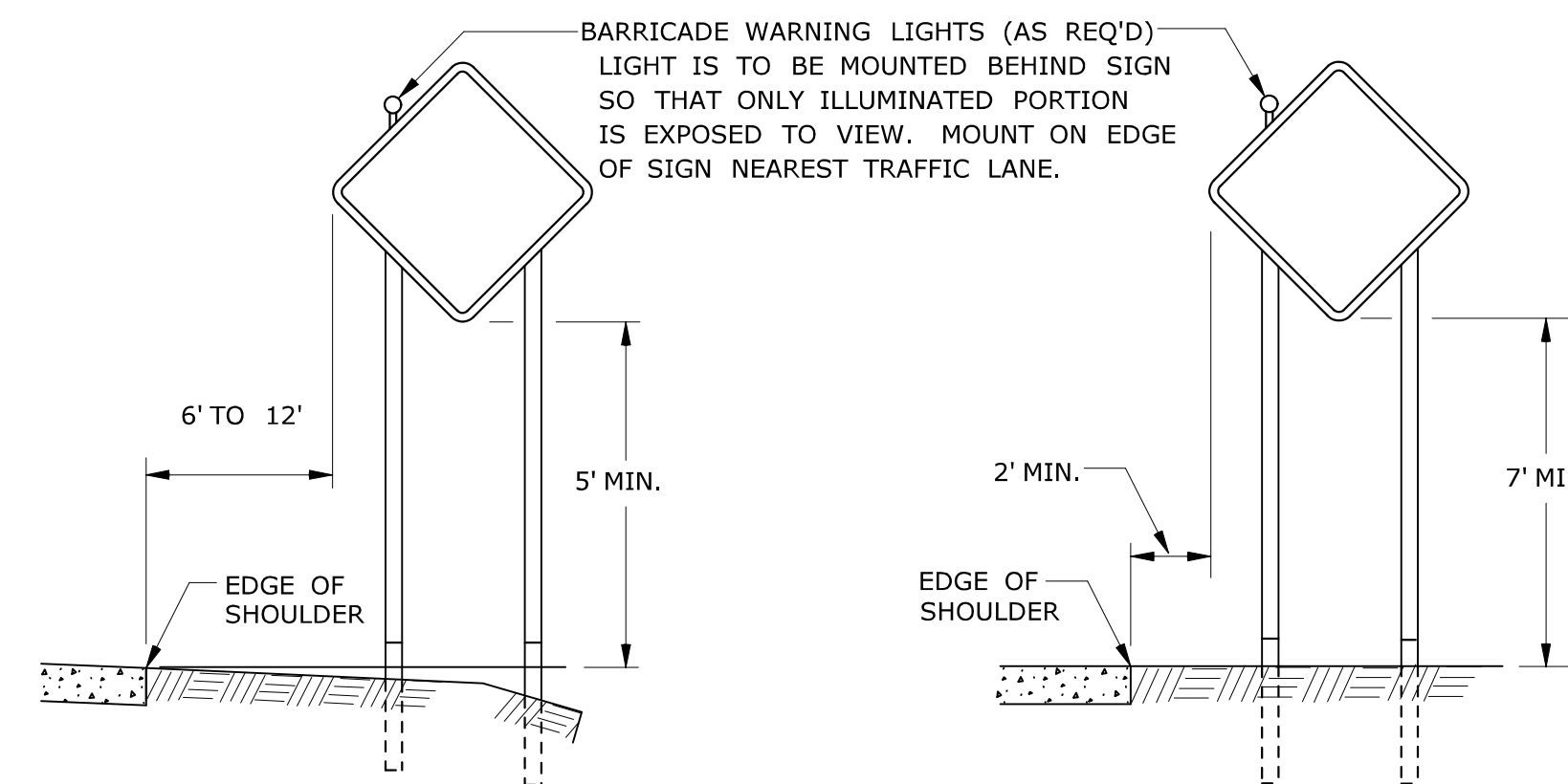
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- IF PLASTIC CONES ARE USED, THEY SHALL BE COLOR IMPREGNATED.
- THE ENGINEER RESERVES THE RIGHT TO REJECT ANY CONE DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
- THE ENTIRE AREA OF WHITE STRIPES SHALL BE RETROREFLECTIVE SHEETING AS REQUIRED IN THE SPECIFICATIONS.
- TRAFFIC CONES NOT USED AT NIGHT MAY UTILIZE TYPE III SHEETING.
- THE SECTIONS OF CONES NOT COVERED WITH RETROREFLECTIVE STRIPES SHALL BE ORANGE.



CONSTRUCTION BARRICADES

NOTES:

- CONSTRUCTION BARRICADES SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH AND THE LATEST EDITION OF THE MUTCD.
- MARKINGS FOR BARRICADE RAILS SHALL BE ALTERNATE FLUORESCENT ORANGE AND WHITE STRIPES SLOPING DOWNWARD IN THE DIRECTION TRAFFIC IS TO PASS. 6" WIDE STRIPES SHALL BE USED.
- THE ENTIRE AREA OF FLUORESCENT ORANGE AND WHITE STRIPES SHALL BE RETROREFLECTIVE SHEETING AS REQUIRED IN THE SPECIFICATIONS. THE SIDES OF BARRICADES FACING TRAFFIC SHALL HAVE RETROREFLECTIVE RAIL FACES.
- THE ENGINEER RESERVES THE RIGHT TO REJECT ANY BARRICADE DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
- CORNERS OF BARRICADE RAILS SHALL BE ROUNDED.
- SIGNS MAY ONLY BE INSTALLED ON TYPE III BARRICADES AND SHALL BE PLACED SO AS TO COVER NO MORE THAN ONE BARRICADE RAIL.



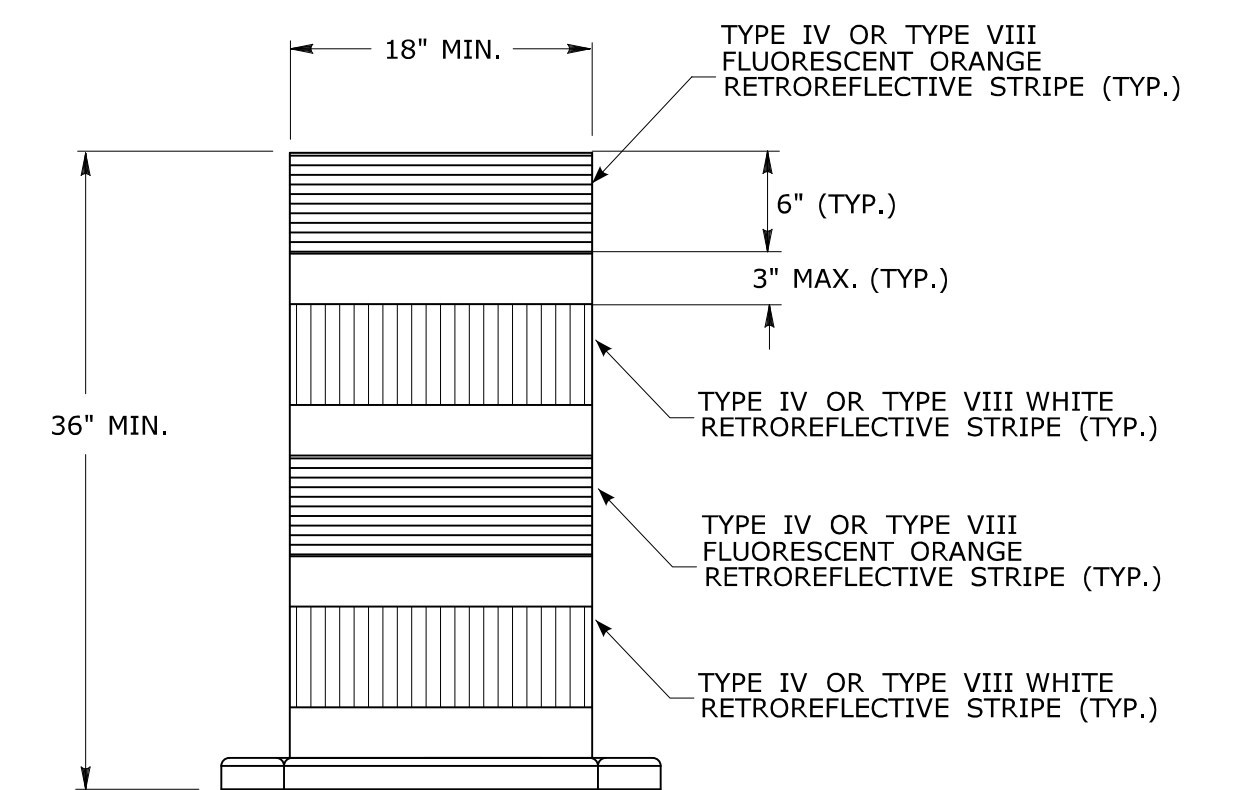
RURAL AREA

URBAN AREA

**PLACEMENT OF CONSTRUCTION SIGNS
TYPICAL LONG TERM INSTALLATION**

NOTES:

- SUPPORTS SHALL BE METAL SIGN POSTS AND HAVE BREAK-AWAY FEATURES.
REFER TO STANDARD SHEETS:
TR-1208.01 - "SIGN PLACEMENT AND RETROREFLECTIVE STRIP DETAILS."
TR-1208.02 - "METAL SIGN POSTS AND SIGN MOUNTING DETAILS."



**TRAFFIC DRUM
FRONT VIEW**

NOTES:

- TRAFFIC DRUM SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 1 DEVICES AND THE LATEST EDITION OF THE MUTCD.
- THE ENGINEER RESERVES THE RIGHT TO REJECT ANY DRUM DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
- THE ENTIRE AREA OF FLUORESCENT ORANGE AND WHITE STRIPES SHALL BE RETROREFLECTIVE SHEETING AS REQUIRED IN THE SPECIFICATIONS.
- THE SECTIONS OF DRUMS NOT COVERED WITH RETROREFLECTIVE STRIPES SHALL BE ORANGE.

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3	8-2018	UPDATED SHEETING TYPE AND COLOR.				APPROVED BY: <i>YFR</i> NAME/DATE/TIME: Mark F. Carfino, P.E. 2018.08.21 07:49:51-04'00'		OFFICE OF ENGINEERING					
2	8-2015	UPDATED PER MUTCD AND FORM 816 JAN 2015 REVISION.											
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REV.	DATE	REVISION DESCRIPTION		Plotted Date: 8/10/2018		Filename: TR-1220.02.3.2018.dgn Model: TR-1220.02							