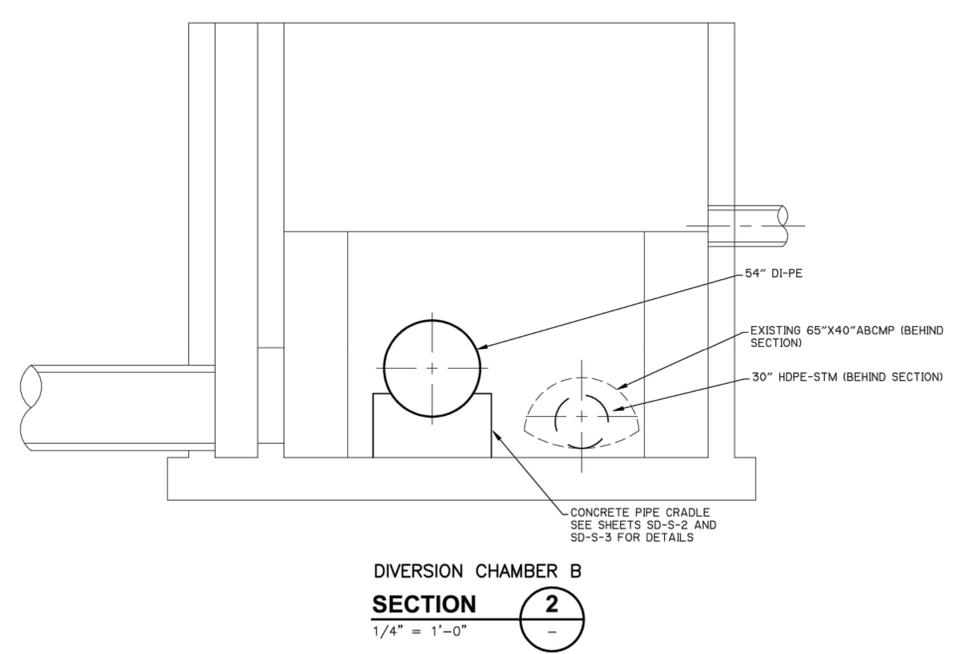
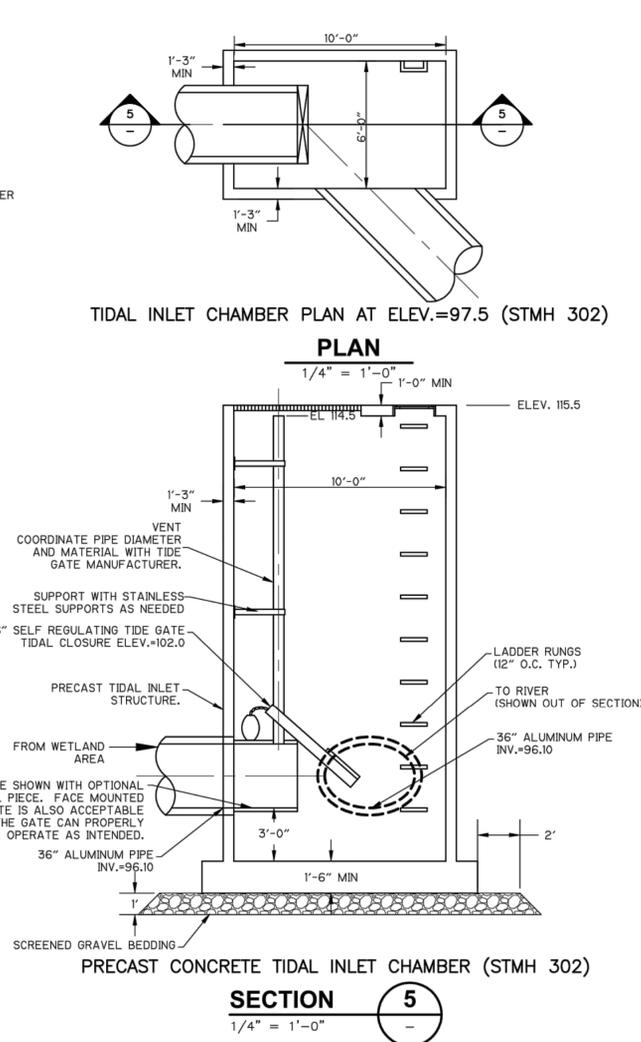
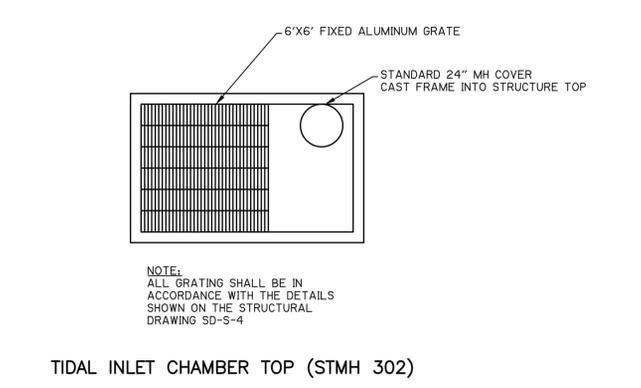
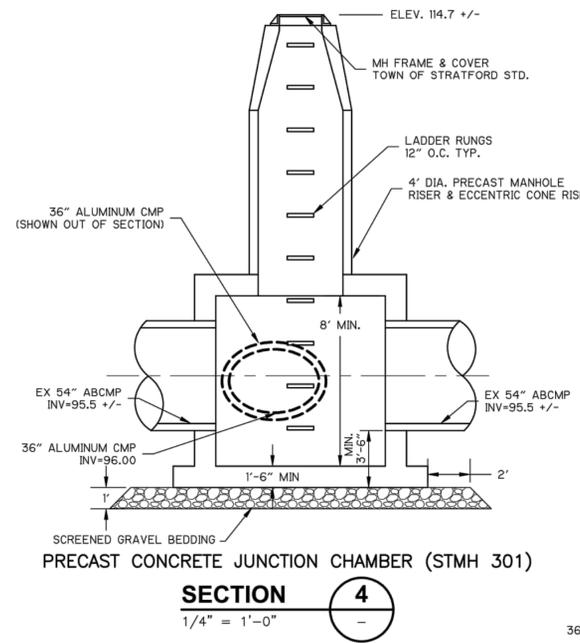
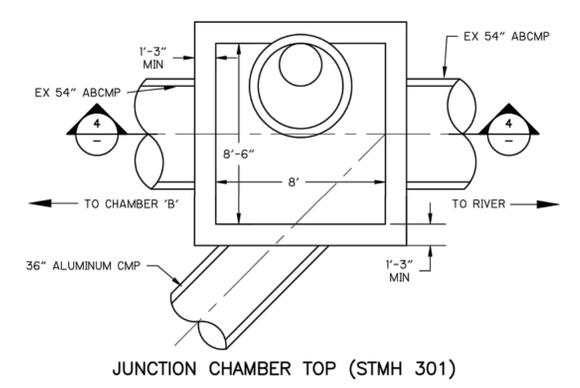
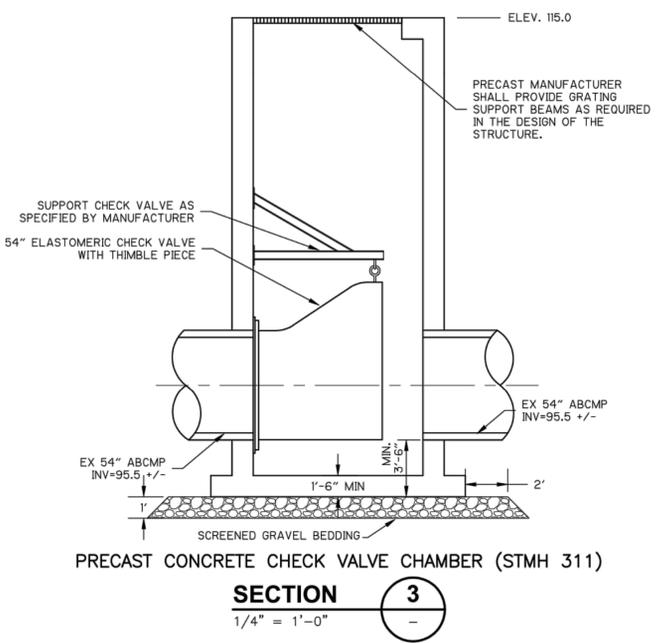
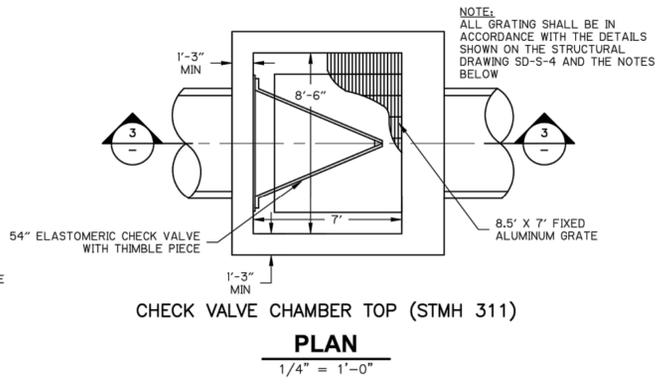
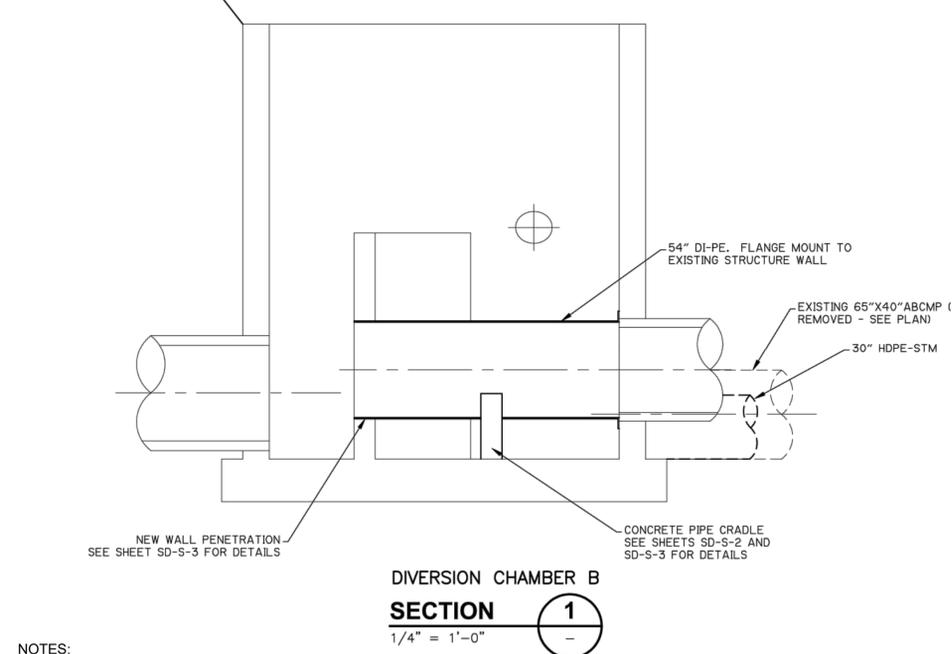
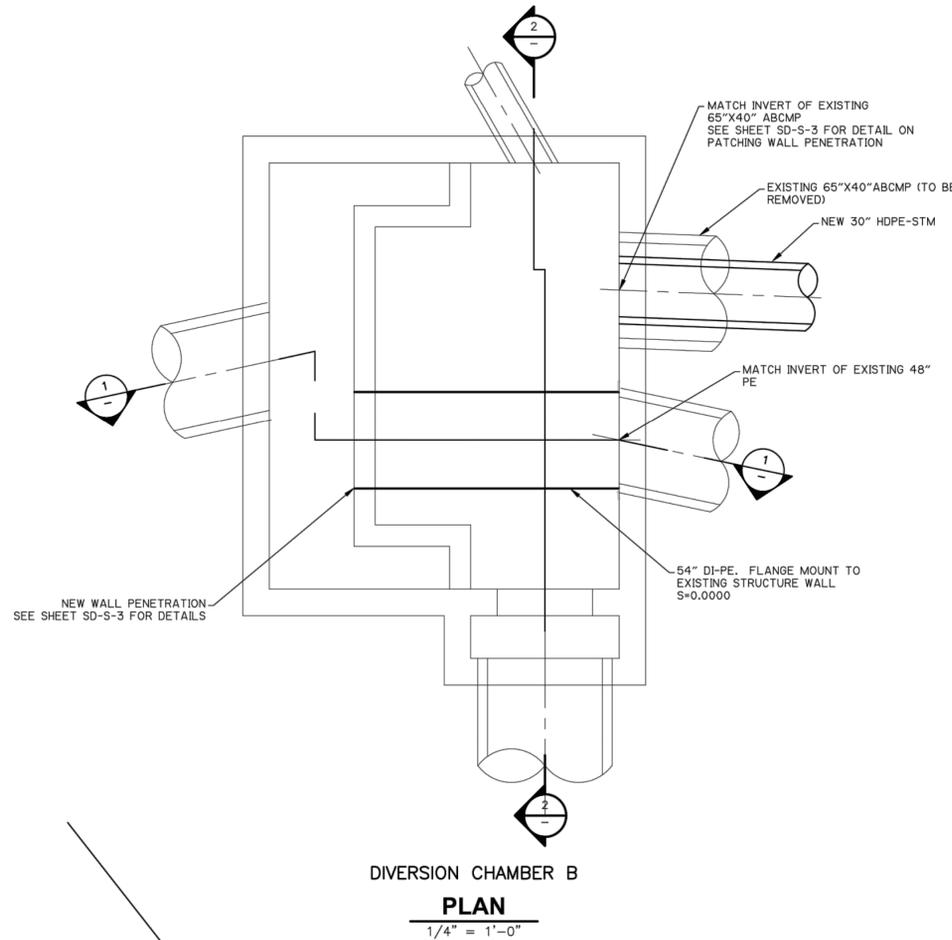


2024- GZA GeoEnvironmental, Inc. GZA - \\GZAMSHRY\JOBS\2225670 STRATFORD WPCF PERIMETER FLOOD WALL IMPROVEMENTS\FIGURES\CAD\2225670 STRATFORD WPCF CD.DWG - 104 JANUARY 29, 2026 5:15 PM dmk kwp



- NOTES:**
- DIVERSION CHAMBER 'B', CHECK VALVE CHAMBER (STMH 311), JUNCTION CHAMBER (STMH 301), AND TIDAL INLET CHAMBER (STMH 302) DETAILS REFER TO WATER POLLUTION CONTROL FACILITY UPGRADE, SHEET C-6, AS-BUILT, CDM CAMP DRESSER & MCKEE INC. DATED MARCH 2006. ELEVATIONS IN FEET CORRESPOND TO NAVD29 +100'.
 - ELEVATIONS FT-NAVD88 CORRESPOND APPROXIMATELY TO [NAVD29 - 1.1'].



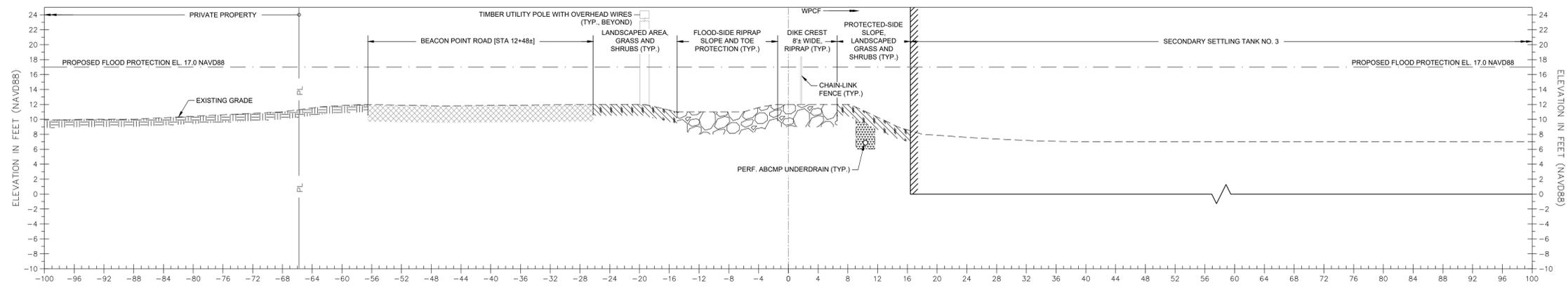
NO.	ISSUE/DESCRIPTION	BY	DATE
2.	ISSUED FOR BID	AJK	1/29/2026
1.	ISSUED FOR REGULATORY REVIEW	AJK	1/29/2025

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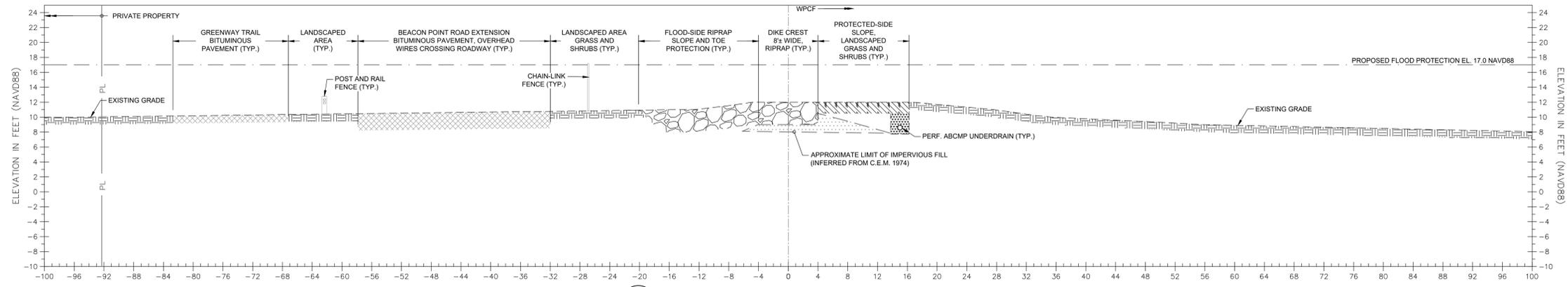
WATER POLLUTION CONTROL FACILITY FLOOD PROTECTION SYSTEM IMPROVEMENTS, STRATFORD, CONNECTICUT 100% DESIGN DRAWINGS, JULY 2024 - CONTRACT #: 2026-15

EXISTING STORMWATER INFRASTRUCTURE DETAILS (2)

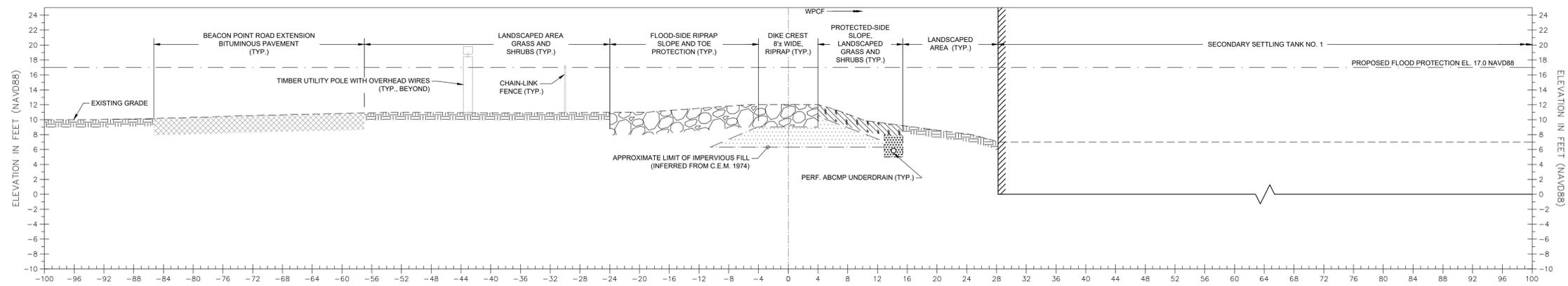
PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com	PREPARED FOR: TOWN OF STRATFORD 2725 MAIN STREET STRATFORD, CT 06615
PROJ MGR: AJK DESIGNED BY: AJK DATE: JULY 2024	REVIEWED BY: DMB DRAWN BY: AJK PROJECT NO.: 18.0172256.70
CHECKED BY: - SCALE: AS SHOWN REVISION NO.: 2	DRAWING G-104 SHEET NO. 6 OF 55



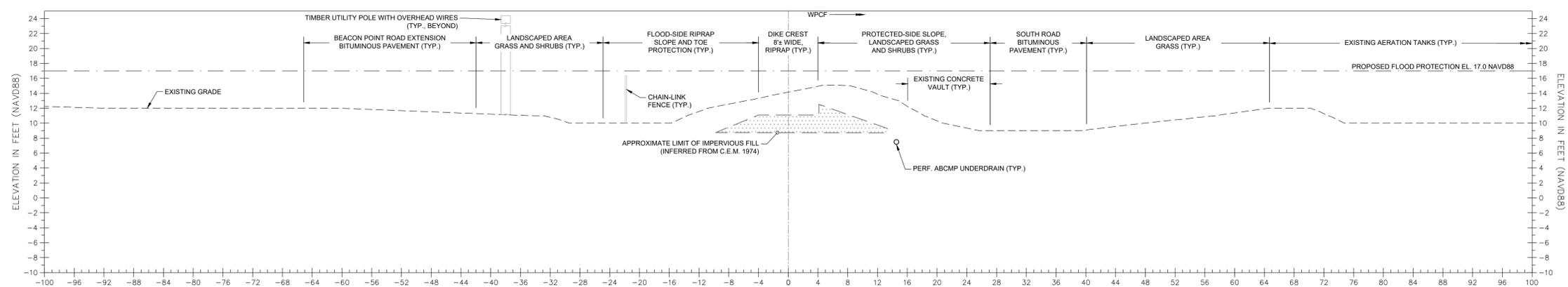
I EXISTING SECTION - SOUTH DIKE - STATION 11+33
SCALE: 1"=8'



J EXISTING SECTION - SOUTH DIKE - STATION 12+78
SCALE: 1"=8'



K EXISTING SECTION - SOUTH DIKE - STATION 14+33
SCALE: 1"=8'



L EXISTING SECTION - SOUTH DIKE - STATION 16+48
SCALE: 1"=8'



2	ISSUED FOR BID	AJK	1/29/2026
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WATER POLLUTION CONTROL FACILITY FLOOD PROTECTION SYSTEM IMPROVEMENTS, STRATFORD, CONNECTICUT 100% DESIGN DRAWINGS, JULY 2024 - CONTRACT #: 2026-15

EXISTING SECTIONS (3)

PREPARED BY: **GZA GeoEnvironmental, Inc.**
Engineers and Scientists
www.gza.com

PREPARED FOR: **TOWN OF STRATFORD**
2725 MAIN STREET
STRATFORD, CT 06615

PROJ MGR: AJK REVIEWED BY: DMB CHECKED BY: -
DESIGNED BY: AJK DRAWN BY: AJK SCALE: AS SHOWN
DATE: JULY 2024 PROJECT NO. 18.0172256.70 REVISION NO. 2

DRAWING
G-203
SHEET NO. 9 OF 55

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GZA - Geoenvironmental, Inc. GZA-12225670-STRATFORD WPCF PERIMETER FLOOD IMPROVEMENTS\GISE\12225670-STRATFORD WPCF CD.DWG C-01 JANUARY 29, 2026 5:19 PM dmh.kop

NOTE: REFER TO DRAWING SHEETS C-302 AND C-303 FOR EROSION AND SEDIMENT CONTROL DETAILS AND NARRATIVE.

2	ISSUED FOR BID	AJK	1/29/2026
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WATER POLLUTION CONTROL FACILITY FLOOD PROTECTION SYSTEM IMPROVEMENTS, STRATFORD, CONNECTICUT
 100% DESIGN DRAWINGS, JULY 2024 - CONTRACT #: 2026-15

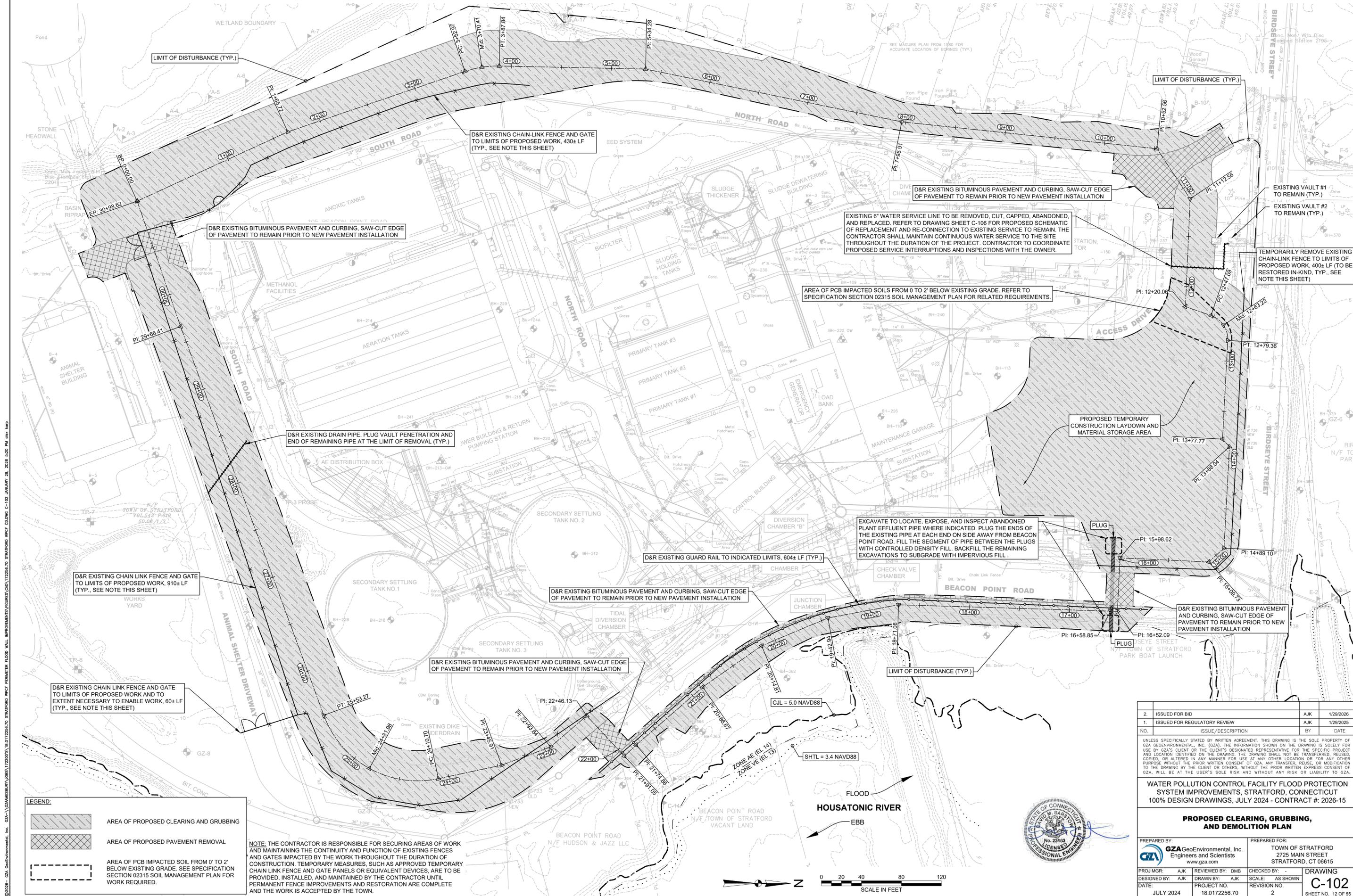
PROPOSED SEDIMENT, EROSION CONTROL, SITE ACCESS, AND LAYDOWN PLAN

PREPARED BY:	GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com	PREPARED FOR:	TOWN OF STRATFORD 2725 MAIN STREET STRATFORD, CT 06615
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PROJ MGR:	AJK	REVIEWED BY:	DMB	CHECKED BY:	-	DRAWING
DESIGNED BY:	AJK	DRAWN BY:	AJK	SCALE:	AS SHOWN	
DATE:	JULY 2024	PROJECT NO.:	18.0172256.70	REVISION NO.:	2	

C-101
SHEET NO. 11 of 55





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2	ISSUED FOR BID	AJK	1/29/2026
1	ISSUED FOR REGULATORY REVIEW	AJK	1/29/2025
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 100% DESIGN DRAWINGS, JULY 2024 - CONTRACT #: 2026-15

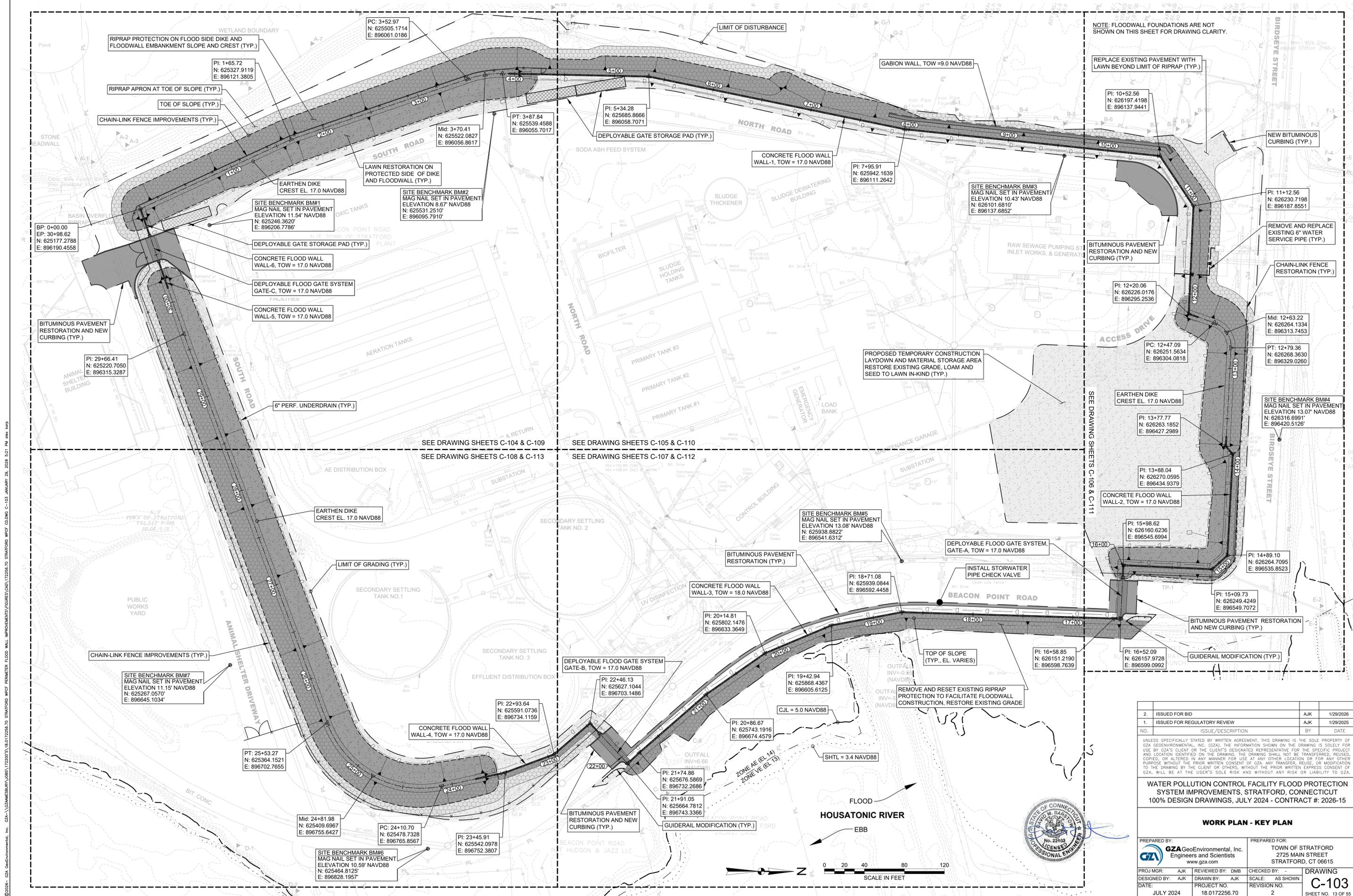
PROPOSED CLEARING, GRUBBING, AND DEMOLITION PLAN	
PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com	PREPARED FOR: TOWN OF STRATFORD 2725 MAIN STREET STRATFORD, CT 06615
PROJ MGR: AJK DESIGNED BY: AJK DATE: JULY 2024	REVIEWED BY: DMB DRAWN BY: AJK PROJECT NO: 18.0172256.70
CHECKED BY: - SCALE: AS SHOWN REVISION NO: 2	DRAWING C-102 SHEET NO. 12 OF 55

NOTE: THE CONTRACTOR IS RESPONSIBLE FOR SECURING AREAS OF WORK AND MAINTAINING THE CONTINUITY AND FUNCTION OF EXISTING FENCES AND GATES IMPACTED BY THE WORK THROUGHOUT THE DURATION OF CONSTRUCTION. TEMPORARY MEASURES, SUCH AS APPROVED TEMPORARY CHAIN LINK FENCE AND GATE PANELS OR EQUIVALENT DEVICES, ARE TO BE PROVIDED, INSTALLED, AND MAINTAINED BY THE CONTRACTOR UNTIL PERMANENT FENCE IMPROVEMENTS AND RESTORATION ARE COMPLETE AND THE WORK IS ACCEPTED BY THE TOWN.

LEGEND:

	AREA OF PROPOSED CLEARING AND GRUBBING
	AREA OF PROPOSED PAVEMENT REMOVAL
	AREA OF PCB IMPACTED SOIL FROM 0' TO 2' BELOW EXISTING GRADE. SEE SPECIFICATION SECTION 02315 SOIL MANAGEMENT PLAN FOR WORK REQUIRED.





NOTE: FLOODWALL FOUNDATIONS ARE NOT SHOWN ON THIS SHEET FOR DRAWING CLARITY.

SEE DRAWING SHEETS C-104 & C-109

SEE DRAWING SHEETS C-105 & C-110

SEE DRAWING SHEETS C-108 & C-113

SEE DRAWING SHEETS C-107 & C-112

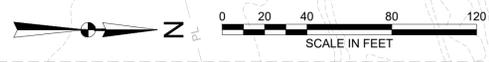
SEE DRAWING SHEETS C-106 & C-111

2	ISSUED FOR BID	AJK	1/29/2026
1	ISSUED FOR REGULATORY REVIEW	AJK	1/29/2025
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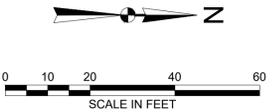
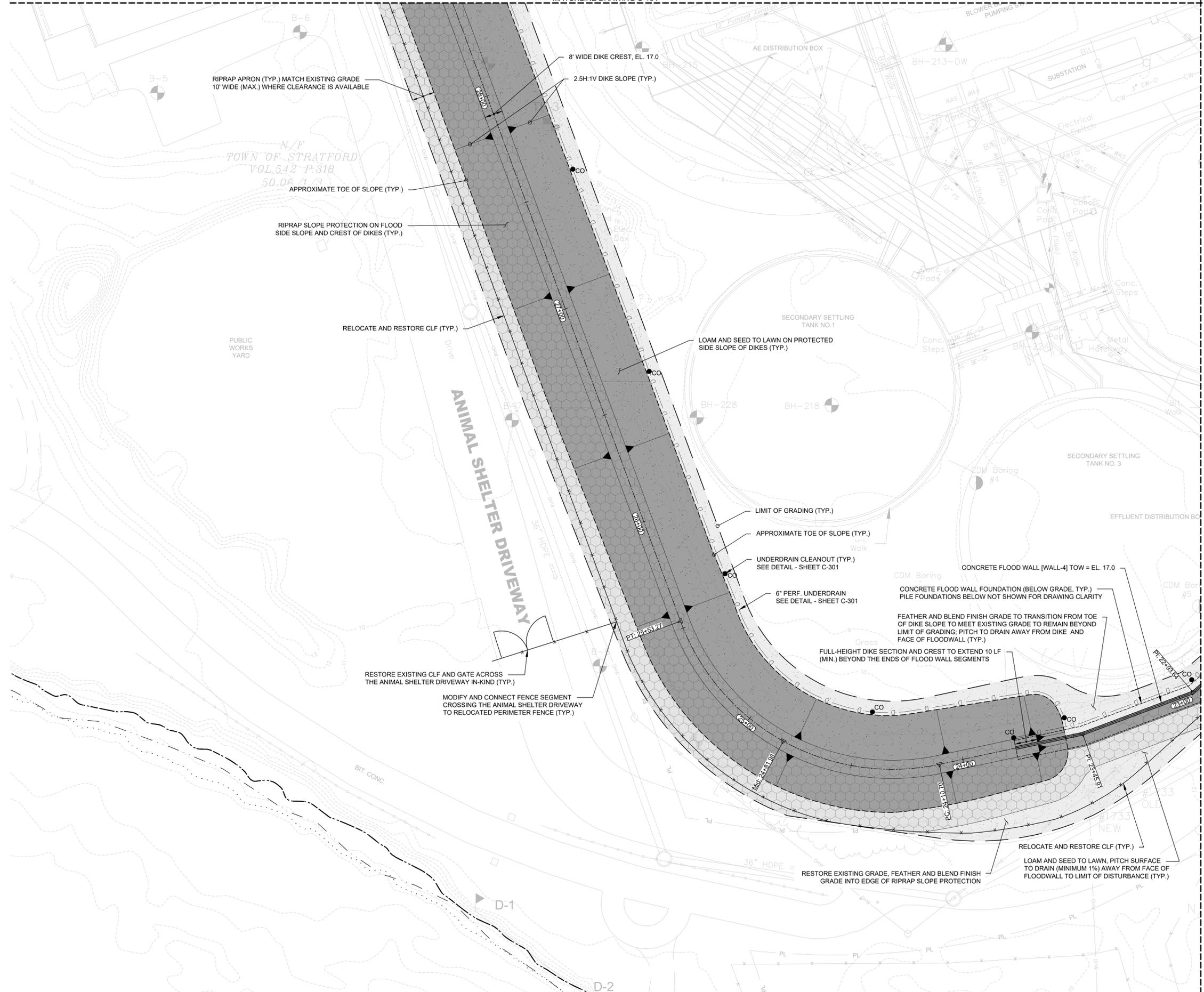
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WATER POLLUTION CONTROL FACILITY FLOOD PROTECTION SYSTEM IMPROVEMENTS, STRATFORD, CONNECTICUT 100% DESIGN DRAWINGS, JULY 2024 - CONTRACT #: 2026-15

WORK PLAN - KEY PLAN	
PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com	PREPARED FOR: TOWN OF STRATFORD 2725 MAIN STREET STRATFORD, CT 06615
PROJ MGR: AJK DESIGNED BY: AJK DATE: JULY 2024	CHECKED BY: DMB DRAWN BY: AJK PROJECT NO: 18.0172256.70 REVISION NO: 2
<p>DRAWING SCALE: AS SHOWN REVISION NO. 2 C-103 SHEET NO. 13 OF 55</p>	



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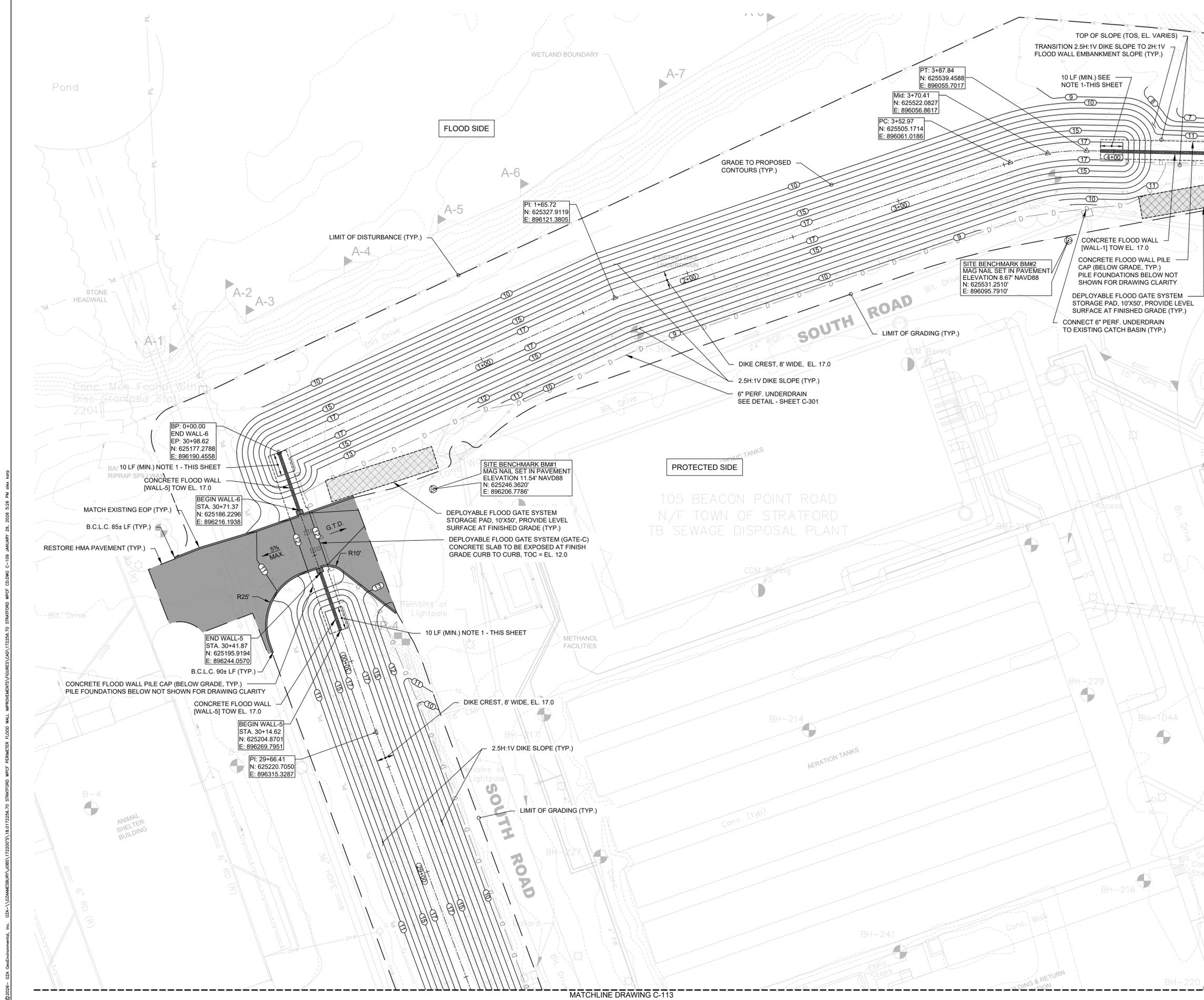
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WATER POLLUTION CONTROL FACILITY FLOOD PROTECTION SYSTEM IMPROVEMENTS, STRATFORD, CONNECTICUT 100% DESIGN DRAWINGS, JULY 2024 - CONTRACT #: 2026-15

WORK PLAN (5)

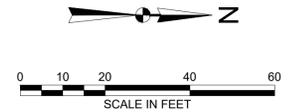
PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: TOWN OF STRATFORD 2725 MAIN STREET STRATFORD, CT 06615	
PROJ MGR: AJK DESIGNED BY: AJK DATE: JULY 2024	REVIEWED BY: DMB DRAWN BY: AJK PROJECT NO.: 18.0172256.70	CHECKED BY: - SCALE: AS SHOWN REVISION NO.: 2	DRAWING C-108 SHEET NO. 18 OF 55

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NOTES:
 1. FULL HEIGHT DIKE SECTION AND CREST TO EXTEND 10 LF (MIN.) BEYOND THE ENDS OF FLOOD WALL SEGMENTS.

MATCHLINE DRAWING C-110



2	ISSUED FOR BID	AJK	1/29/2026
1.	ISSUED FOR REGULATORY REVIEW	AJK	1/29/2025
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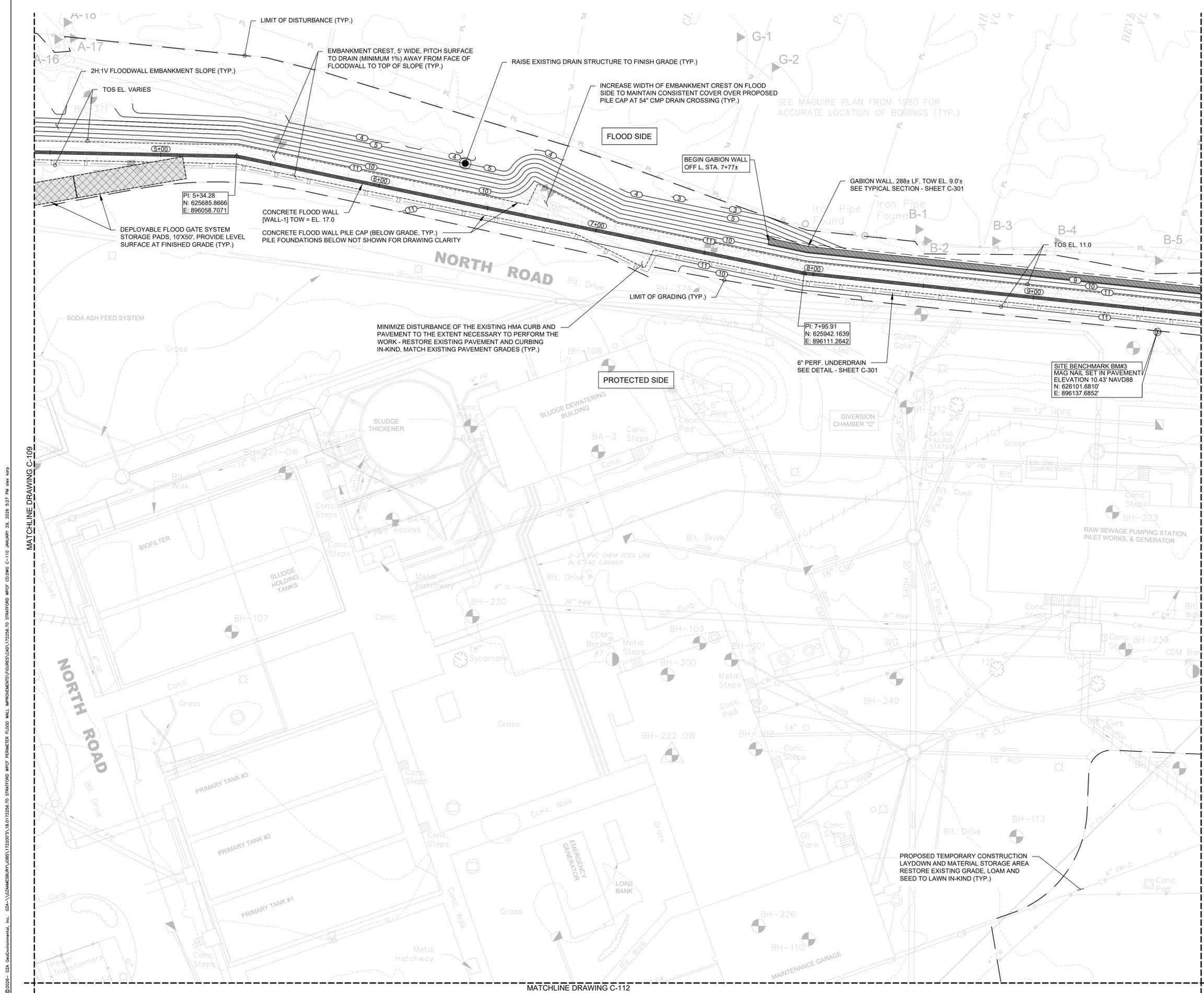
WATER POLLUTION CONTROL FACILITY FLOOD PROTECTION SYSTEM IMPROVEMENTS, STRATFORD, CONNECTICUT 100% DESIGN DRAWINGS, JULY 2024 - CONTRACT #: 2026-15

GRADING PLAN (1)

PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com	PREPARED FOR: TOWN OF STRATFORD 2725 MAIN STREET STRATFORD, CT 06615
PROJ MGR: AJK DESIGNED BY: AJK DATE: JULY 2024	REVIEWED BY: DMB DRAWN BY: AJK PROJECT NO.: 18.0172256.70
CHECKED BY: - SCALE: AS SHOWN	REVISION NO.: 2
DRAWING C-109	
SHEET NO. 19 OF 55	

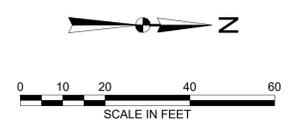
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MATCHLINE DRAWING C-113



MATCHLINE DRAWING C-109

MATCHLINE DRAWING C-111



2	ISSUED FOR BID	AJK	1/29/2026
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GRADING PLAN (2)

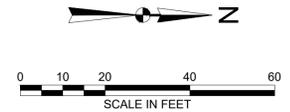
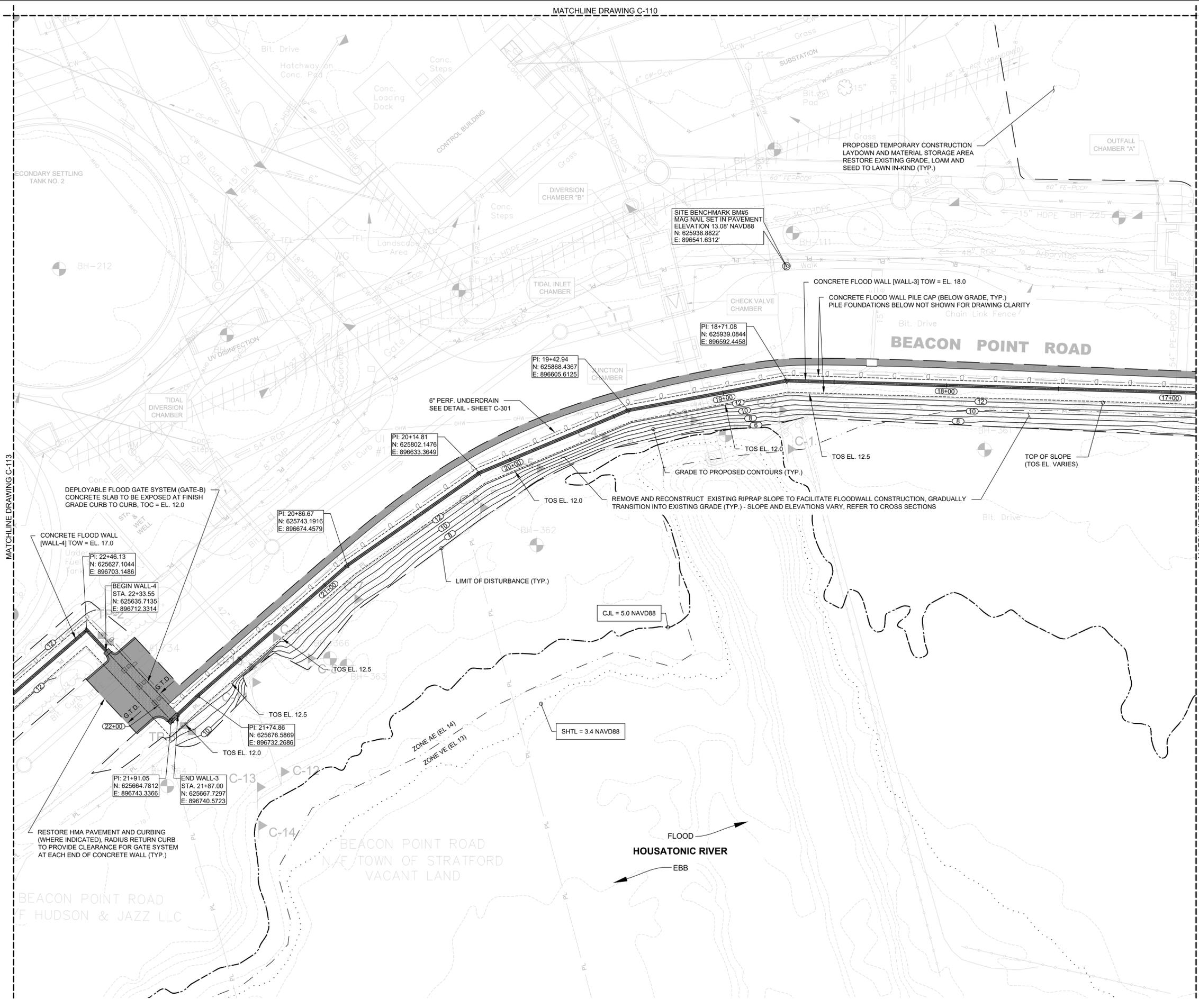
PREPARED BY: **GZA GeoEnvironmental, Inc.**
Engineers and Scientists
www.gza.com

PREPARED FOR: **TOWN OF STRATFORD**
2725 MAIN STREET
STRATFORD, CT 06615

PROJ MGR: AJK	DESIGNED BY: AJK	DATE: JULY 2024	REVIEWED BY: DMB	DRAWN BY: AJK	PROJECT NO: 18.0172256.70	CHECKED BY: -	SCALE: AS SHOWN	REVISION NO: 2	C-110
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C-110
SHEET NO. 20 OF 55

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2	ISSUED FOR BID	AJK	1/29/2026
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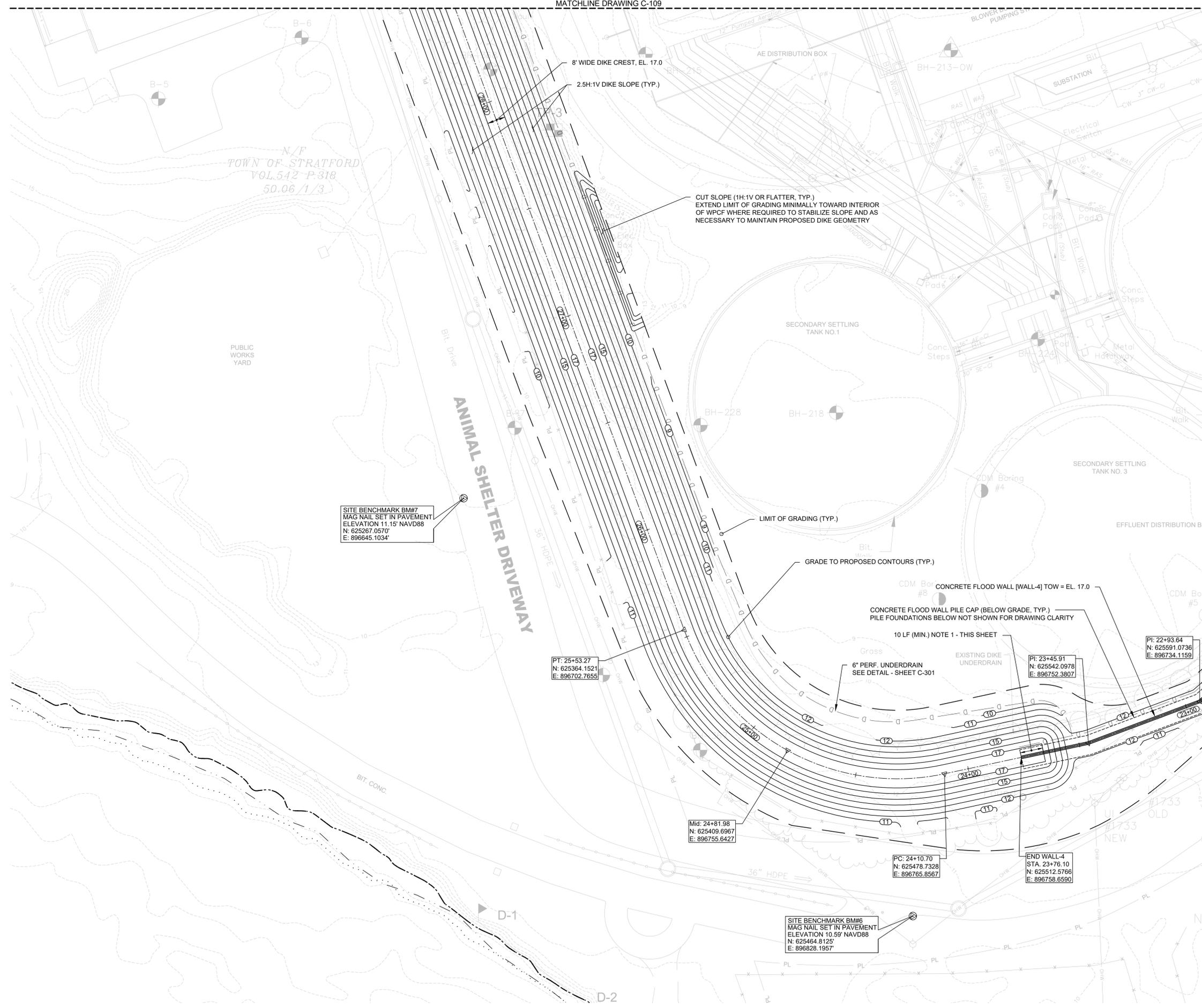
WATER POLLUTION CONTROL FACILITY FLOOD PROTECTION SYSTEM IMPROVEMENTS, STRATFORD, CONNECTICUT 100% DESIGN DRAWINGS, JULY 2024 - CONTRACT #: 2026-15

GRADING PLAN (4)

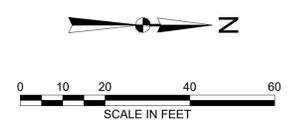
PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com	PREPARED FOR: TOWN OF STRATFORD 2725 MAIN STREET STRATFORD, CT 06615
PROJ MGR: AJK DESIGNED BY: AJK DATE: JULY 2024	REVIEWED BY: DMB DRAWN BY: AJK PROJECT NO.: 18.0172256.70
CHECKED BY: - SCALE: AS SHOWN	DRAWING REVISION NO.: C-112 SHEET NO. 22 OF 55

© 2026 - GZA GeoEnvironmental, Inc. GZA-1\24\AMCSBERRY\0000\122025\18.0172256.70 STRATFORD WPCF FERMETER FLOOD WALL IMPROVEMENTS\FIGURES\04\172256.70 STRATFORD WPCF CD.DWG C-12 JANUARY 29, 2026 5:28 PM dmh.kpp

NOTES:
1. FULL HEIGHT DIKE SECTION AND CREST TO EXTEND 10 LF (MIN.) BEYOND THE ENDS OF FLOOD WALL SEGMENTS.



MATCHLINE DRAWING C-112



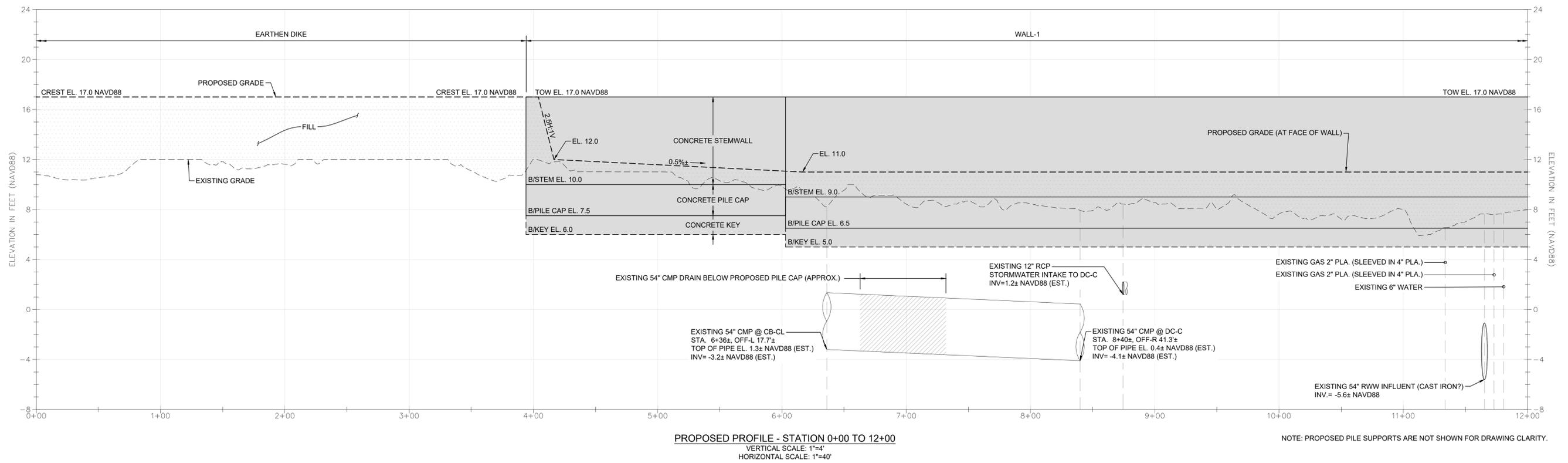
2	ISSUED FOR BID	AJK	1/29/2026
1.	ISSUED FOR REGULATORY REVIEW	AJK	1/29/2025
NO.	ISSUE/DESCRIPTION	BY	DATE

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WATER POLLUTION CONTROL FACILITY FLOOD PROTECTION SYSTEM IMPROVEMENTS, STRATFORD, CONNECTICUT 100% DESIGN DRAWINGS, JULY 2024 - CONTRACT #: 2026-15

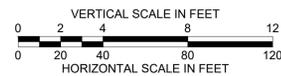
GRADING PLAN (5)

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PROJ MGR: AJK	REVIEWED BY: DMB	CHECKED BY: -	DRAWING C-113 SHEET NO. 23 OF 55
DESIGNED BY: AJK	DRAWN BY: AJK	SCALE: AS SHOWN	
DATE: JULY 2024	PROJECT NO.: 18.0172256.70	REVISION NO.: 2	



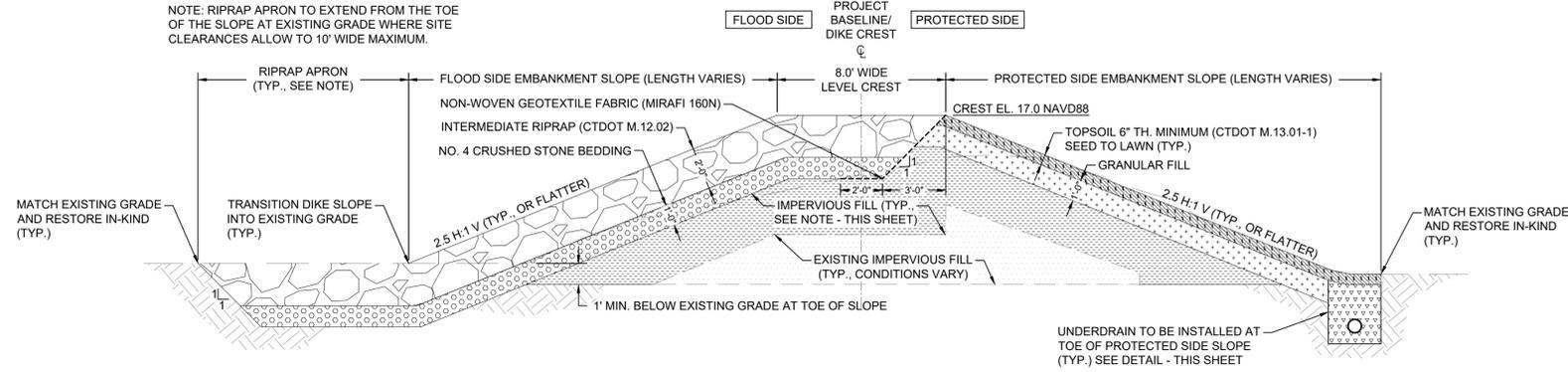
NOTES:

- INDICATED UTILITIES AND CORRESPONDING CONDITIONS ARE BASED ON INFORMATION OBTAINED FROM PRIOR CONSTRUCTION AND AS-BUILT RECORD DRAWINGS AND ARE DEPICTED FOR GENERAL REFERENCE. CONTRACTOR TO FIELD VERIFY AND RECORD ACTUAL LOCATIONS AND CONDITIONS.
- EXISTING GRADE ELEVATION DATA OBTAINED FROM THE 2016 CONNECTICUT LIDAR PROJECT, ACCESSED ELECTRONICALLY VIA CTECO.UCONN.EDU. CONTOUR ELEVATIONS ARE INDICATED IN FEET AND REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

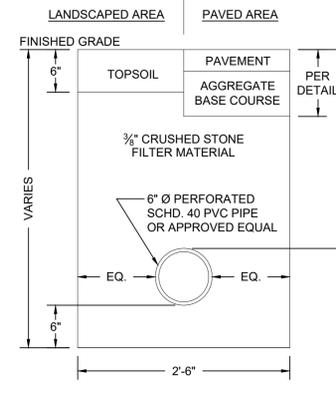


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WATER POLLUTION CONTROL FACILITY FLOOD PROTECTION SYSTEM IMPROVEMENTS, STRATFORD, CONNECTICUT 100% DESIGN DRAWINGS, JULY 2024 - CONTRACT # 2026-15			
PROPOSED PROFILES (1)			
PREPARED BY:	GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: TOWN OF STRATFORD 2725 MAIN STREET STRATFORD, CT 06615
PROJ MGR:	AJK	REVIEWED BY:	DMB
DESIGNED BY:	AJK	DRAWN BY:	AJK
DATE:	JULY 2024	PROJECT NO.:	18.0172256.70
CHECKED BY:	-	SCALE:	AS SHOWN
REVISION NO.:	2	C-114	
SHEET NO. 24 OF 55			

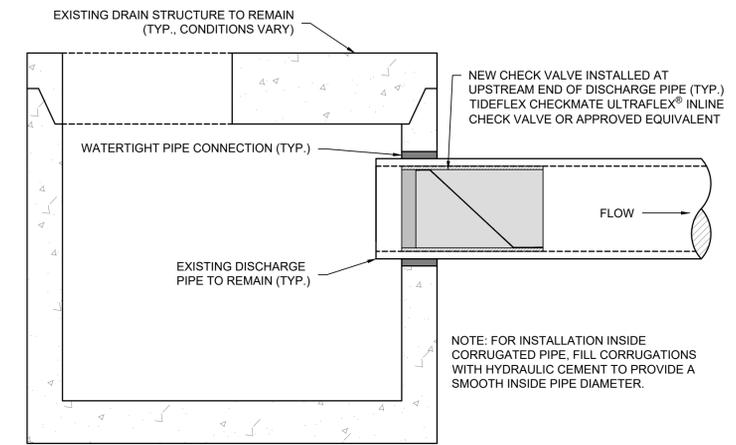
NOTE: RIPRAP APRON TO EXTEND FROM THE TOE OF THE SLOPE AT EXISTING GRADE WHERE SITE CLEARANCES ALLOW TO 10' WIDE MAXIMUM.



TYPICAL SECTION: EARTHEN DIKE
SCALE: 1"=4'

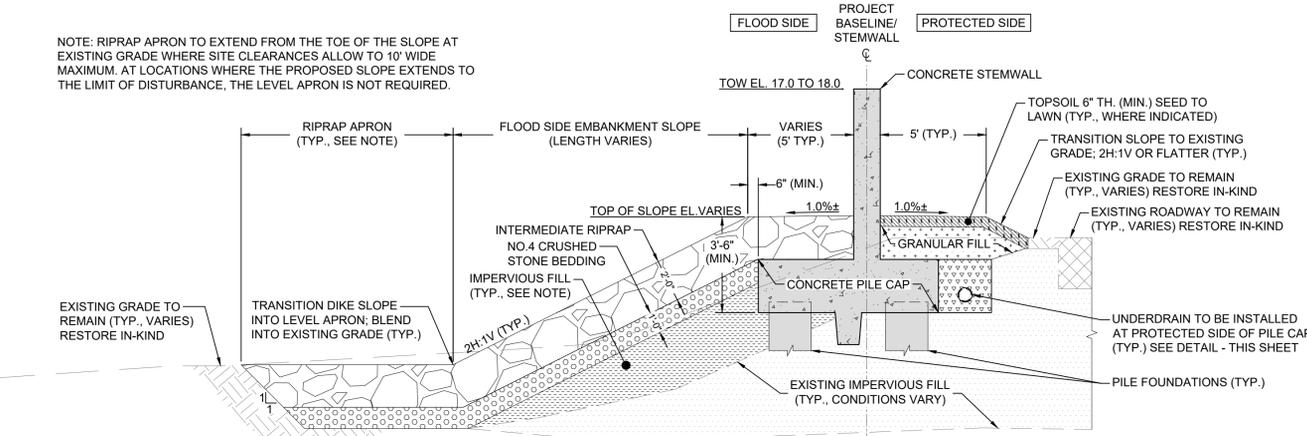


TYPICAL DETAIL: UNDERDRAIN
NOT TO SCALE

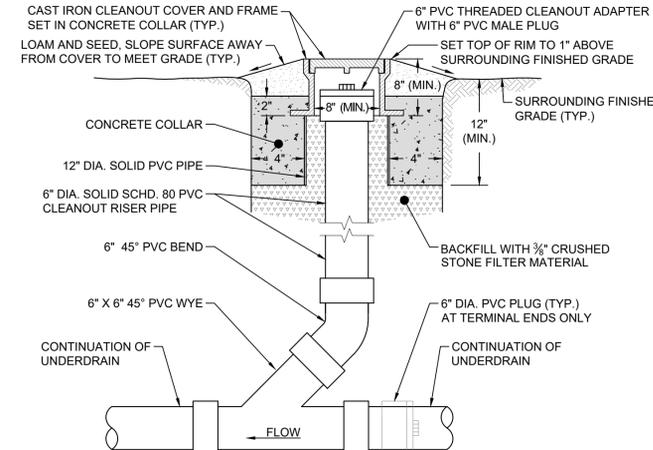


TYPICAL DETAIL: INLINE CHECK VALVE
NOT TO SCALE

NOTE: RIPRAP APRON TO EXTEND FROM THE TOE OF THE SLOPE AT EXISTING GRADE WHERE THE PROPOSED SLOPE EXTENDS TO THE LIMIT OF DISTURBANCE, THE LEVEL APRON IS NOT REQUIRED.

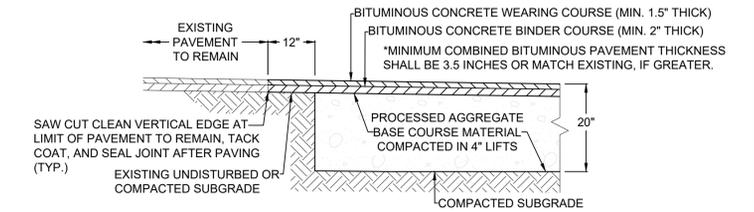


TYPICAL SECTION: FLOODWALL
SCALE: 1"=4'

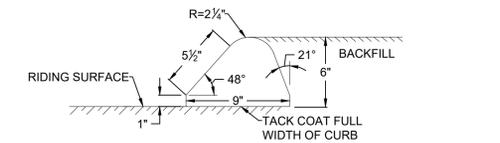


- UNDERDRAIN CLEANOUT NOTES:
1. INSTALL CLEANOUTS AT INTERVALS NOT TO EXCEED 100 FEET. AT FITTINGS WHERE THE HORIZONTAL DIRECTION CHANGE IS GREATER THAN 45° AND AT ALL TERMINAL ENDS OF UNDERDRAIN LINES.
 2. THE PROPOSED CLEANOUT LOCATIONS INDICATED ON DRAWINGS C-104 TO C-108 REPRESENT THE REQUIRED MINIMUM CLEANOUT LOCATIONS.
 3. DO NOT INSTALL CLEANOUTS WITHIN PAVED ROADWAYS OR DRIVEWAYS.
 4. INSTALL CLEANOUT RISERS IN LINE WITH THE UNDERDRAIN. THE MINIMUM WIDTH OF THE UNDERDRAIN TRENCH SHALL CONTROL.

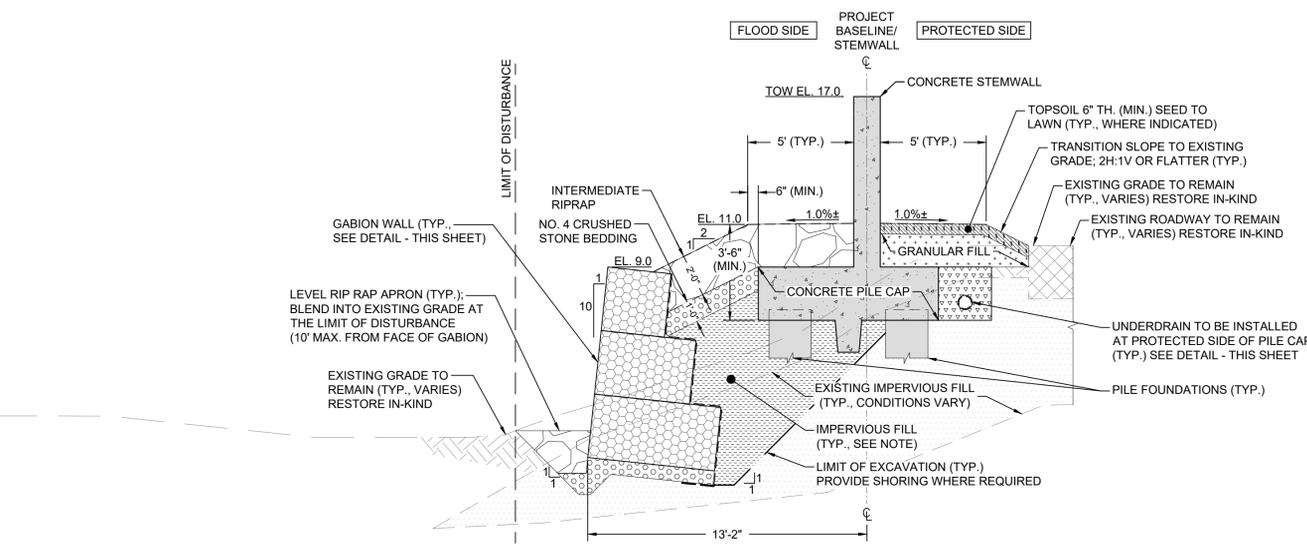
TYPICAL DETAIL: UNDERDRAIN CLEANOUT
NOT TO SCALE



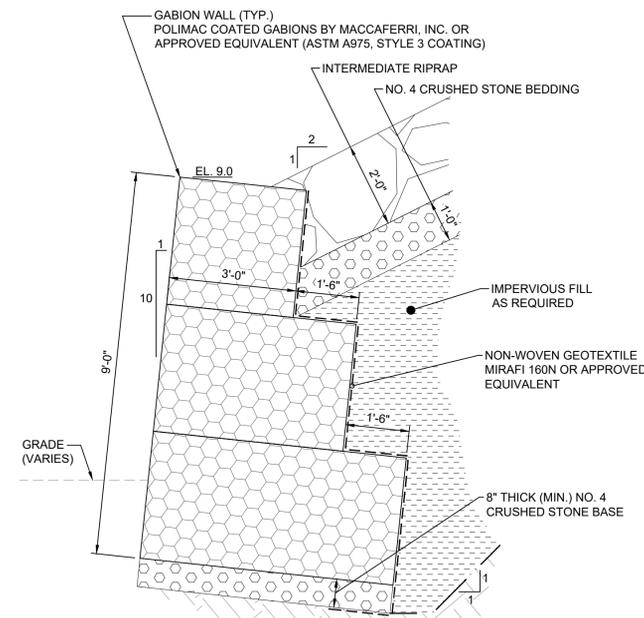
TYPICAL DETAIL: BITUMINOUS CONCRETE PAVEMENT RESTORATION
NOT TO SCALE



TYPICAL DETAIL: BITUMINOUS CONCRETE LIP CURBING (BCLC)
NOT TO SCALE

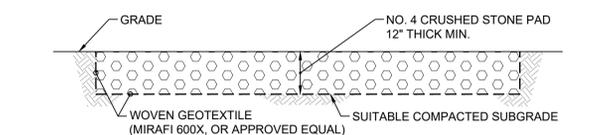


TYPICAL SECTION: FLOODWALL WITH GABION [STATION 7+77 TO 10+56±]
SCALE: 1"=4'



- GABION WALL NOTES:
1. CONSTRUCT GABION WALL IN HORIZONTAL COURSES WITH THE VERTICAL JOINTS BETWEEN BASKETS OF ADJACENT COURSES OFFSET BY ONE-HALF THE BASKET LENGTH.

TYPICAL DETAIL: GABION WALL
NOT TO SCALE



TYPICAL DETAIL: DEPLOYABLE FLOOD GATE SYSTEM STORAGE PAD
NOT TO SCALE

IMPERVIOUS FILL NOTE: TO PREPARE SUBGRADES FOR PILE CAPS AND EARTHEN DIKES, REMOVE EXISTING PAVEMENT, TOPSOIL, SUBSOIL, FILL, AND FORMER UTILITIES FROM WITHIN THE AREA TO THE TOP OF THE EXISTING IMPERVIOUS FILL. IF THE EXISTING IMPERVIOUS FILL IS NOT FOUND, EXCAVATE TO THE DIMENSIONS INDICATED ON THE DRAWINGS. EXCAVATION TO FINAL SUBGRADE SHOULD BE PERFORMED WITH A SMOOTH-EDGED BUCKET TO REDUCE SUBGRADE DISTURBANCE. ALLOW THE GEOTECHNICAL ENGINEER TO EVALUATE THE SUBGRADE FOR THE PRESENCE OF UNSUITABLE MATERIALS. IF UNSUITABLE MATERIALS ARE ENCOUNTERED, OVER-EXCAVATE UNTIL SUITABLE BEARING SOILS ARE ENCOUNTERED AS DETERMINED BY THE GEOTECHNICAL ENGINEER. THE EXPOSED SUBGRADE SHALL BE PROOF-COMPACTED AS REQUIRED. ANY LOCALIZED WEAK OR UNSTABLE AREAS IDENTIFIED DURING PROOF-COMPACTING SHALL BE EXCAVATED AND REPLACED WITH IMPERVIOUS FILL. PROOF-COMPACTING SHALL BE OBSERVED BY THE GEOTECHNICAL ENGINEER. DISCONTINUE VIBRATIONS IF DISTURBANCE OR WEAVING OF THE SUBGRADE IS OBSERVED OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER. SUBGRADES ARE SUSCEPTIBLE TO DISTURBANCE FROM WATER AND CONSTRUCTION ACTIVITY. SUBGRADES LOCATED BELOW PILE CAPS SHALL BE PROTECTED WITH A LEAN CONCRETE MUD MAT.



SCALE IN FEET



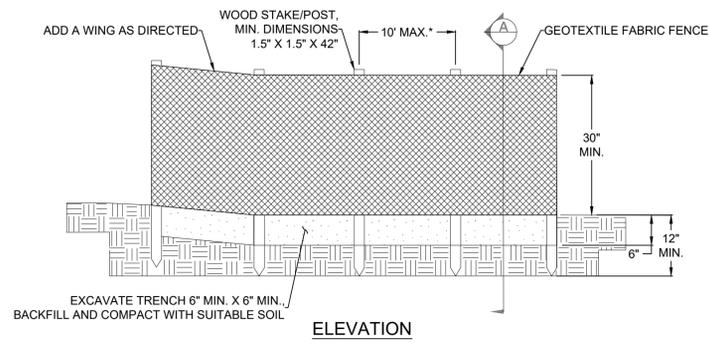
2	ISSUED FOR BID	AJK	1/29/2026
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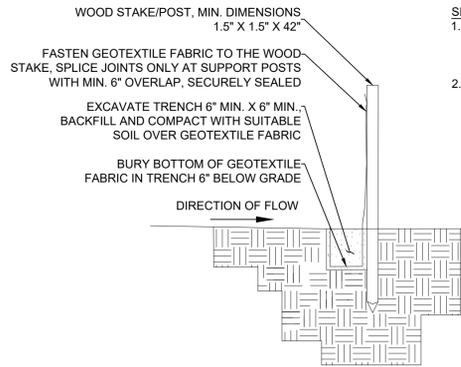
TYPICAL SECTIONS AND SITE DETAILS (1)

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PROJ MGR: AJK DESIGNED BY: AJK DATE: JULY 2024	REVIEWED BY: DMB DRAWN BY: AJK PROJECT NO.: 18.0172256.70
CHECKED BY: - SCALE: AS SHOWN REVISION NO.: 2	DRAWING C-301 SHEET NO. 34 OF 55

* FOR SLOPES STEEPER THAN 2H:1V, USE A 5' POST SPACING OR AS DIRECTED BY THE ENGINEER.



ELEVATION



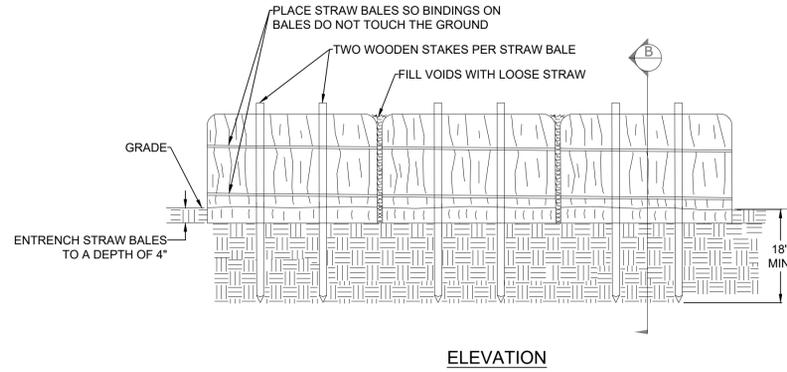
SECTION A

TYPICAL DETAIL 1 - SILT FENCE SEDIMENT CONTROL
NOT TO SCALE

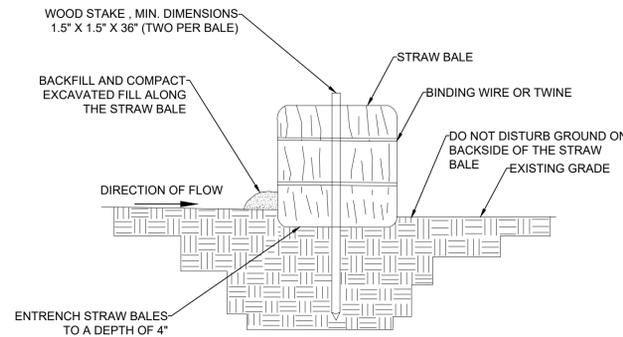
- SILT FENCE WING NOTES:**
- INSTALL PERPENDICULAR WINGS IN ACCORDANCE WITH THE FENCE MANUFACTURER'S RECOMMENDATIONS AND AT MINIMUM WHEN THE FENCE IS MORE THAN 4' FROM THE TOE OF SLOPE AND FENCE LINE GRADIENT IS 5% OR STEEPER.
 - MAXIMUM WING SPACING BY FENCE LINE SLOPE:

SLOPE	SPACING
5H:1V TO 20H:1V	100'
3H:1V TO 5H:1V	75'
2H:1V TO 3H:1V	50'

NOTE: SILT FENCE AND STRAW BALE SEDIMENT CONTROL DETAILS MODIFIED FROM A DRAWING BY CTDOT, ENTITLED "SEDIMENT CONTROL SYSTEMS," DATED 11/23/2022.



ELEVATION

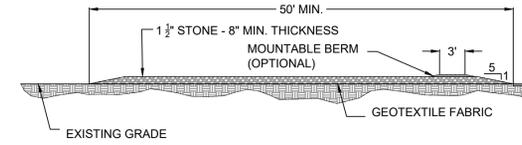


SECTION B

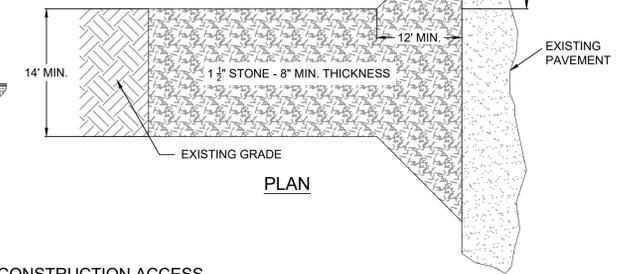
TYPICAL DETAIL 2 - STRAW BALE SEDIMENT CONTROL
NOT TO SCALE

STABILIZED CONSTRUCTION ACCESS NOTES:

- STONE SIZE - USE 1 1/2" STONE (CTDOT NO.4 CRUSHED STONE)
- LENGTH - NOT LESS THAN 50'
- THICKNESS - NOT LESS THAN 8"
- WIDTH - NOT LESS THAN 14'
- FILTER FABRIC - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACEMENT OF STONE.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL LIMIT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION, AND MAINTENANCE, IF REQUIRED, SHALL BE PROVIDED AFTER EACH RAIN EVENT.

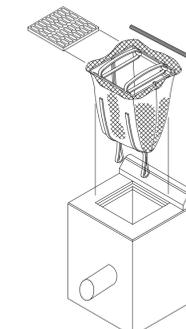


PROFILE



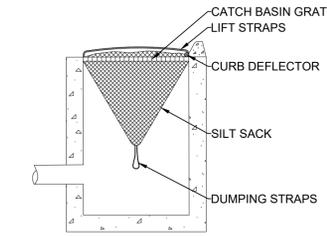
PLAN

TYPICAL DETAIL 3 - STABILIZED CONSTRUCTION ACCESS
NOT TO SCALE



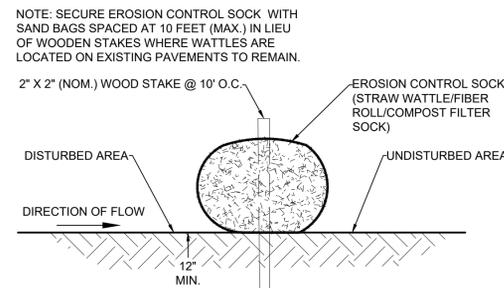
ISOMETRIC VIEW

NOTE: SILT SACK DETAIL MODIFIED FROM A DRAWING BY CTDOT, ENTITLED "EROSION CONTROL MEASURES AT CATCH BASINS - FIBER ROLL AND SILT SACK," DATED 11/23/2022.



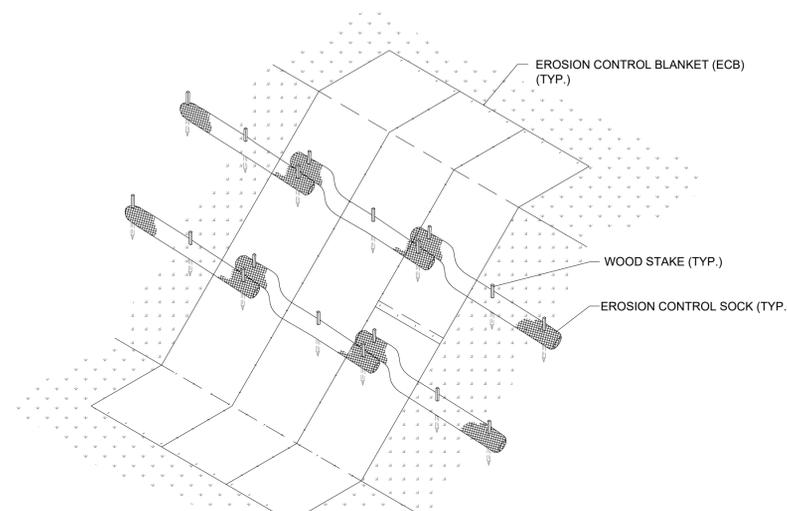
SECTION

TYPICAL DETAIL 4 - SILT SACK AT CATCH BASINS
NOT TO SCALE



SECTION

TYPICAL DETAIL 5 - EROSION CONTROL SOCK
NOT TO SCALE



NOTE: APPROVED EROSION CONTROL BLANKET (ECB) SYSTEMS TO BE USED FOR TEMPORARY STABILIZATION OF SLOPES DURING CONSTRUCTION.

TYPICAL DETAIL 6 - EROSION CONTROL BLANKET
NOT TO SCALE

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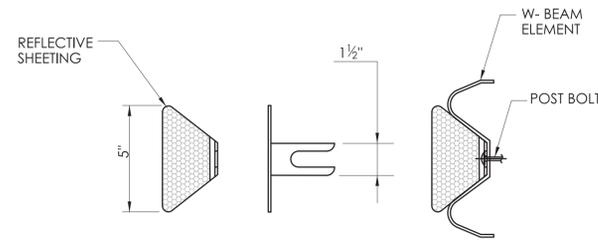
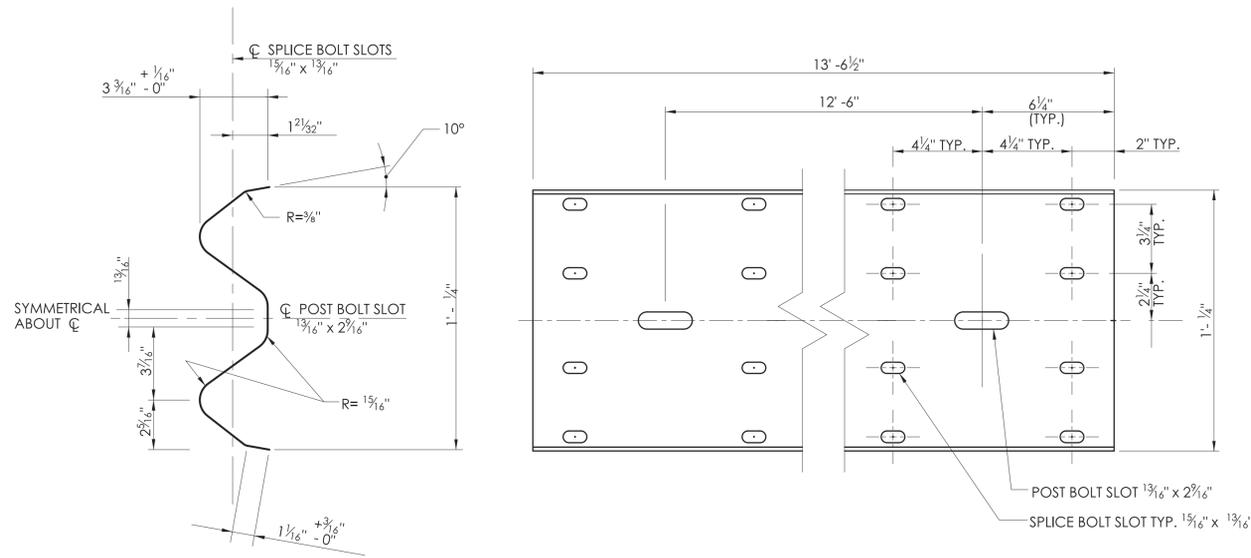
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WATER POLLUTION CONTROL FACILITY FLOOD PROTECTION
SYSTEM IMPROVEMENTS, STRATFORD, CONNECTICUT
100% DESIGN DRAWINGS, JULY 2024 - CONTRACT #: 2026-15

EROSION AND SEDIMENT CONTROL DETAILS

PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com	PREPARED FOR: TOWN OF STRATFORD 2725 MAIN STREET STRATFORD, CT 06615
PROJ MGR: AJK DESIGNED BY: AJK DATE: JULY 2024	REVIEWED BY: DMB DRAWN BY: AJK PROJECT NO.: 18.0172256.70
CHECKED BY: - SCALE: AS SHOWN REVISION NO.: 2	DRAWING C-302 SHEET NO. 35 OF 55





GENERAL NOTES:

1. NEW R-B 350 GUIDERAIL INCLUDING SYSTEMS, ANCHORS AND TRANSITIONS INSTALLED ON EXPRESSWAYS AND RAMPS SHALL USE CLASS B TYPE II (10 GAUGE) W-BEAM RAIL ELEMENTS.
2. W6 x 9 POSTS MAY BE USED IN PLACE OF W6 x 8.5.
3. W8 x 13 POSTS, 7'-6" LONG, ARE USED WITH TRANSITIONS TO VERTICAL OR SAFETY SHAPE PARAPETS (POSTS 1 AND 2) AND SYSTEM 6.
4. W6 x 8.5 POSTS, 6'-0" LONG, ARE USED WITH TRANSITIONS TO VERTICAL OR SAFETY SHAPE PARAPETS (POSTS 3 THROUGH 6), MD-B 350, SYSTEM 5 & 5A, AND STANDARD R-B 350 GUIDERAIL.

DELINEATOR NOTES:

1. DELINEATORS SHALL BE FORMED OF .080 POLY-CARBONATE OR .080 SHEET ALUMINUM IN ACCORDANCE WITH M.18.13.
2. REFLECTIVE SHEETING SHALL CONFORM TO M.18.09.2.
3. DELINEATORS SHALL BE INSTALLED ON THE POST CLOSEST TO THE DESIGNATED SPACING.
4. REFLECTIVE SHEETING SHALL BE WHITE EXCEPT ON THE LEFT SIDE OF DIVIDED STREETS, HIGHWAYS, RAMPS, AND ONE WAY ROADS IN THE DIRECTION OF TRAVEL WHERE IT SHALL BE YELLOW.
5. INSTALL DELINEATORS ON RAIL THAT IS PARALLEL TO AND NOT GREATER THAN 6' FROM THE EDGE OF THE ROADWAY. A MINIMUM OF THREE DELINEATORS MUST BE INSTALLED ON ANY RUN OF RAIL.

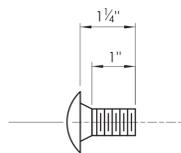
DELINEATOR SPACING:
 RADIUS ≥ 300' - SPACE EVERY 50'
 RADIUS < 300' - SPACE EVERY 25'

**SELECTION THRU RAIL ELEMENT
 END VIEW**

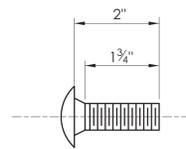
NOTE: ALL DIMENSIONS SUBJECT TO MANUFACTURING TOLERANCES

**TYPICAL W-BEAM RAIL ELEMENT
 CLASS A, TYPE II**

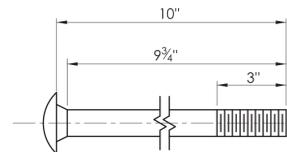
DELINEATOR DETAIL



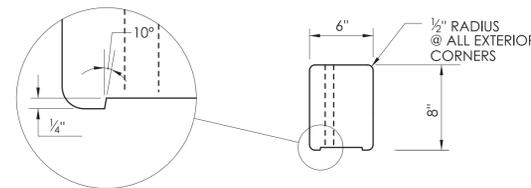
W-BEAM SPLICE BOLT DETAIL



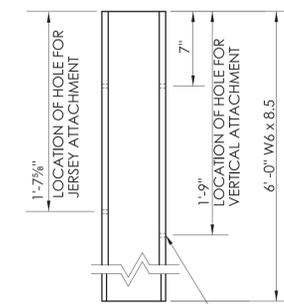
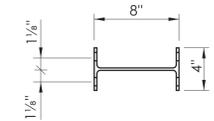
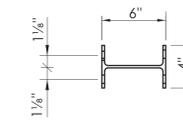
POST BOLT DETAIL FOR R-B 350 SYSTEM 6 RUBRAIL



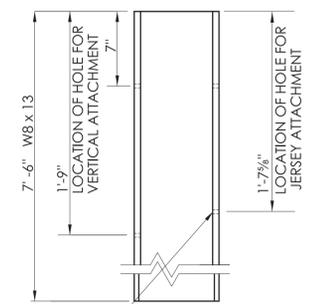
POST BOLT DETAIL FOR R-B 350 AND MD-B 350 GUIDERAIL
 (UNTHREADED PORTION NOT TO EXCEED 6 3/4")



PLAN

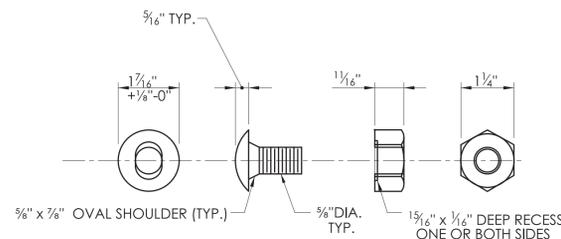


**W6x8.5 POST
 6'-0" LONG**



**W8x13 POST
 7'-6" LONG**

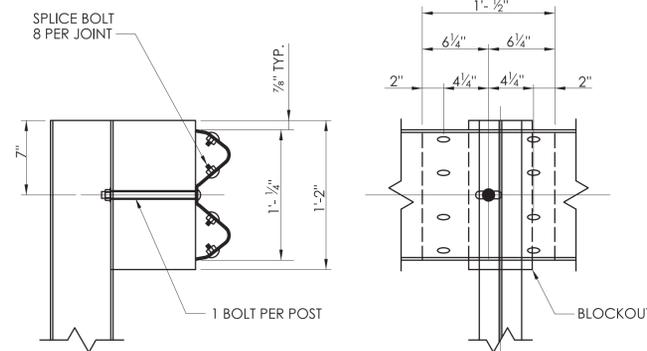
BOLT HOLE LAYOUT FOR W8 x 13 AND W6 x 8.5 UNIFORM POST
 (REFER TO GENERAL NOTES)



BUTTONHEAD BOLT

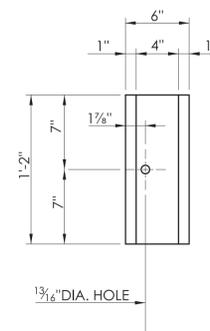
HEX NUT

NOTE: AFTER GALVANIZING, THE NUT SHALL BE FREE RUNNING ON THE BOLT. DIAMETER SHOWN IS TYPICAL FOR ALL GUIDERAIL BOLTS. SEE DETAILS ABOVE FOR SPECIFIC LENGTHS.



SECTION

ELEVATION



**ELEVATION
 R-B 350 PLASTIC
 BLOCKOUT DETAIL**

LAP DETAIL
 NOTE: LAP RAIL SECTION IN DIRECTION OF TRAFFIC

NOT TO SCALE

SIGNATURE BLOCK:
 OFFICE OF ENGINEERING
 2800 BERLIN TURNPIKE
 NEWINGTON, CT 06111

SUBMITTED BY:
 Digitally signed by
 Leo Fontaine, P.E.
 Date: 2022.09.27
 15:03:35-04'00'

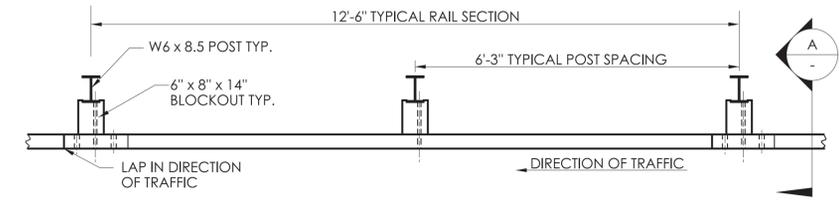
APPROVED BY:
 Digitally signed by
 Calabrese,
 Michael
 Date: 2022.11.08
 10:16:31-05'00'



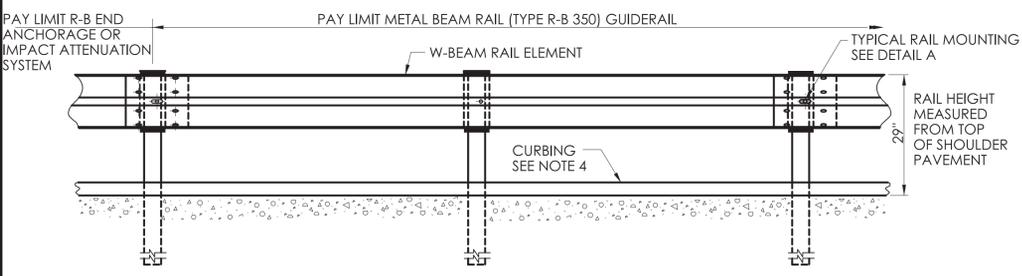
**CTDOT
 STANDARD SHEET**

STANDARD SHEET TITLE:
W-BEAM METAL BEAM RAIL HARDWARE

STANDARD SHEET NO.:
HW-910_01

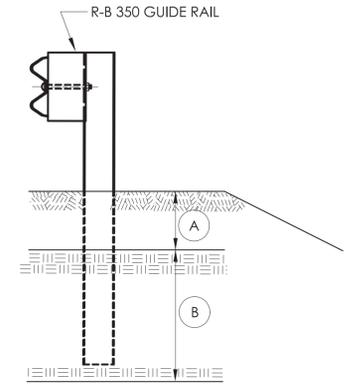


PLAN



ELEVATION

METAL BEAM RAIL (TYPE R-B 350)



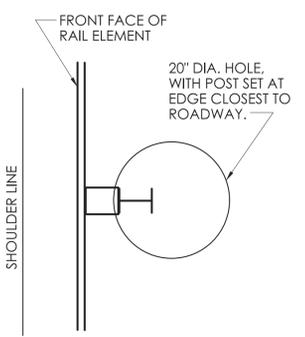
ELEVATION
(SEE NOTE 8)

CONDITION 1 :

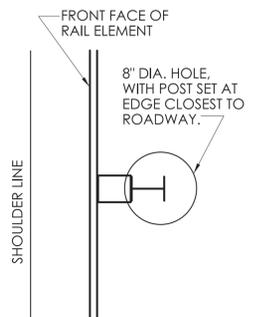
IF SOIL DEPTH IS $\leq 18"$ DEEP (A) DRILL 20" DIA. HOLE 24" INTO LEDGE (B)

CONDITION 2 :

IF SOIL DEPTH IS $> 18"$ DEEP (A) DRILL 8" DIA. HOLE 1' INTO LEDGE (B) OR TO THE DEPTH OF FULL EMBEDMENT OF $4\frac{1}{2}"$ WHICHEVER IS LESS.

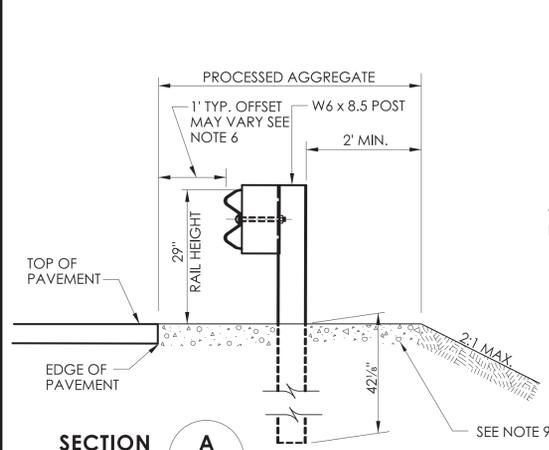


PLAN
CONDITION 1
(SEE NOTE 8)



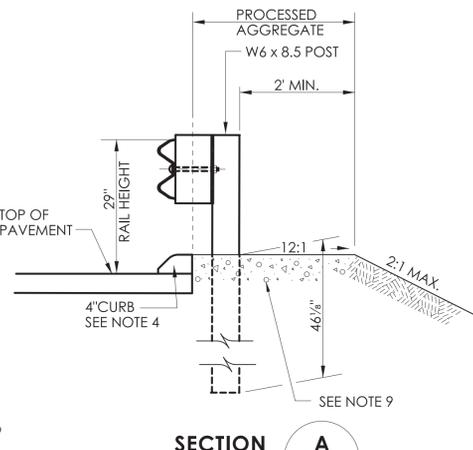
PLAN
CONDITION 2
(SEE NOTE 8)

DRILLING IN ROCK FOR GUIDERAIL POSTS



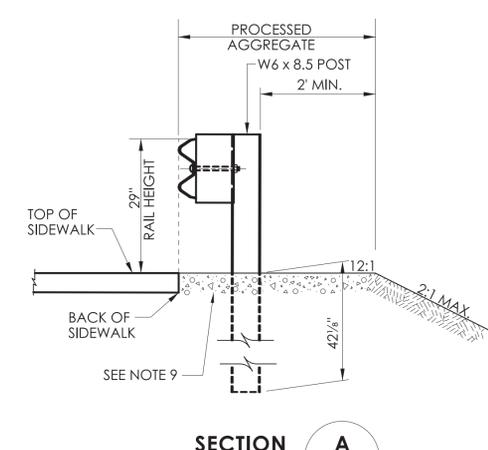
SECTION A

NO CURB APPLICATION



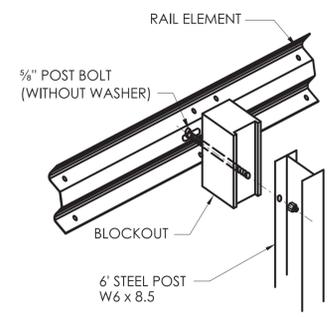
SECTION A

CURB APPLICATION

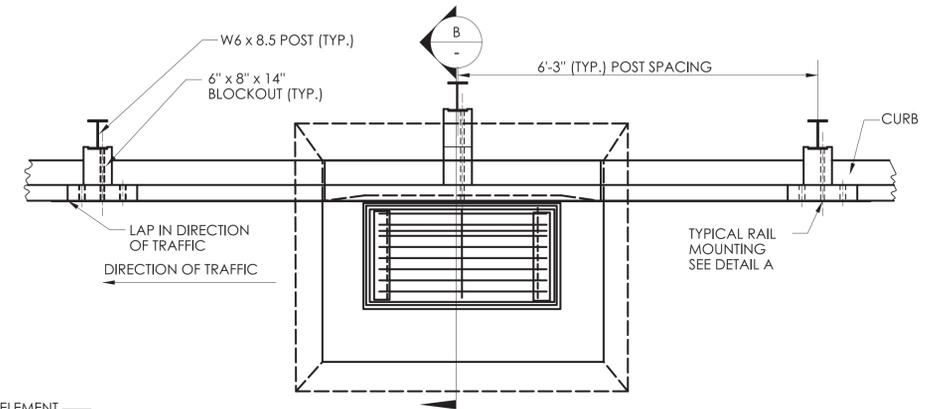


SECTION A

SIDEWALK APPLICATION

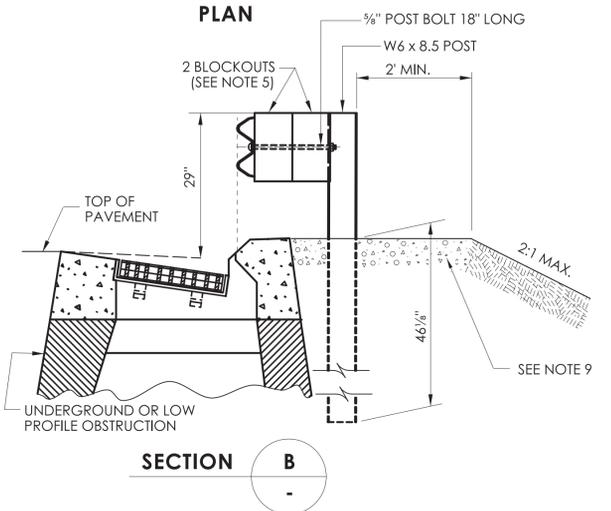


DETAIL A
RAIL MOUNTING



PLAN

MULTIPLE BLOCKOUT APPLICATION (MAY BE USED TO AVOID UNDERGROUND OR LOW PROFILE OBSTRUCTION)

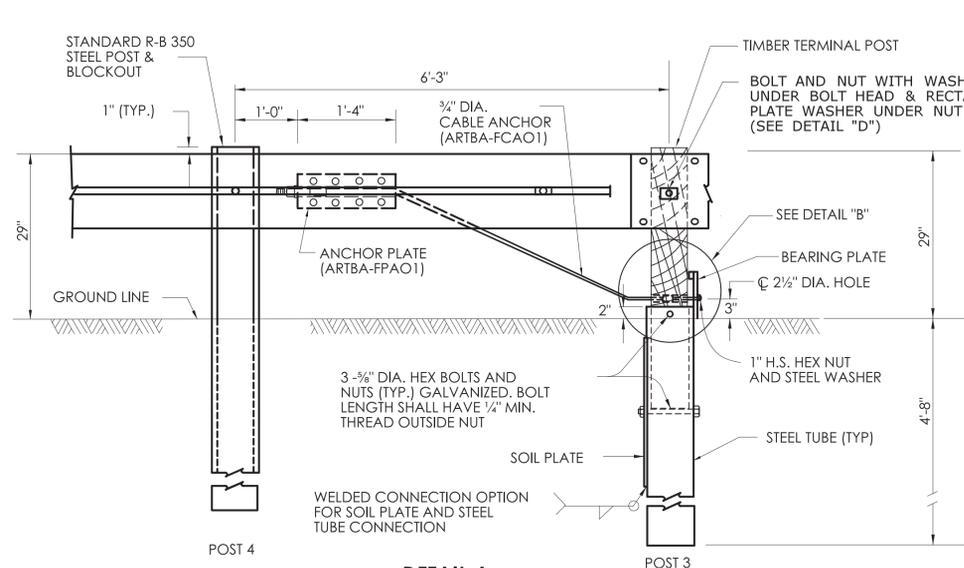


SECTION B

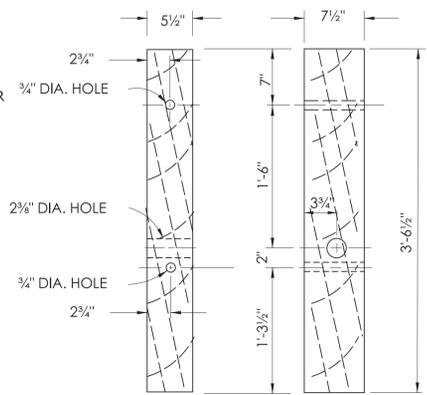
GENERAL NOTES:

- SEE SHEET HW-910_01 FOR HARDWARE AND DELINEATOR DETAILS.
- MAXIMUM DESIGN DEFLECTION FOR R-B 350 GUIDERAIL AT THE STANDARD POST SPACING OF 6'-3" IS 4'-3". DEFLECTION REQUIREMENT IS MEASURED FROM THE BACK OF POST TO THE FACE OF OBJECT.
- FOR CURVES WITH RADIUS OF 150' OR LESS, ALL RAIL ELEMENTS SHALL BE SHOP FABRICATED TO THE PROPER RADIUS AND GALVANIZED AFTER FABRICATION. RADIUS RAIL WHEN REQUIRED AND NOTED ON THE PLANS, IS INCLUDED IN THE PAY ITEM FOR GUIDERAIL.
- RAIL HEIGHT WITH CURBING SHALL BE MEASURED FROM THE TOP OF PAVEMENT. ON HIGH SPEED ROADWAYS ($>45\text{mph}$), 4" CURBING MAY BE USED IN CONJUNCTION WITH GUIDERAIL AND THE RAIL ELEMENT SHALL BE PLACED FLUSH WITH THE FACE OF CURB. ON LOW SPEED ROADWAYS ($<45\text{mph}$), 6" CURBING MAY BE USED IN CONJUNCTION WITH GUIDERAIL AND THE RAIL ELEMENT SHALL BE PLACED A MAXIMUM OF 9" BEHIND THE FACE OF CURB.
- THREE BLOCKOUTS MAY BE USED FOR ONE POST ONLY. TWO BLOCKOUTS MAY BE USED FOR A SERIES OF POSTS. THE COST OF ADDITIONAL BLOCKOUTS AND LONGER BOLTS SHALL BE INCLUDED IN THE BID PRICE PER FOOT OF GUIDERAIL. EXTRA BLOCKOUTS AT TRANSITION TO BRIDGE PARAPETS SHOULD BE AVOIDED.
- W-BEAM GUIDERAIL MAY BE PLACED 1' OR MORE FROM THE EDGE OF PAVEMENT ONLY ON SLOPES 10:1 OR FLATTER AND WITHOUT CURBING. IF THE RAIL IS INSTALLED WITHIN 2' OF THE EDGE OF PAVEMENT, THE RAIL HEIGHT IS MEASURED FROM THE SHOULDER SLOPE EXTENDED TO THE RAIL. IF THE RAIL IS INSTALLED BEYOND 2' FROM THE EDGE OF PAVEMENT, THE RAIL HEIGHT IS MEASURED FROM THE GROUND DIRECTLY BELOW THE RAIL.
- ALL R-B 350 GUIDERAIL TYPES INSTALLED ON EXPRESSWAYS AND RAMPS SHALL USE CLASS B, TYPE-II (10 GAUGE) W-BEAM RAIL ELEMENTS.
- 20" DIA. EXCAVATED HOLE SHALL BE BACKFILLED WITH SUITABLE MATERIAL, OR GRANULAR FILL COMPACTED IN 6" LIFTS BEFORE DRIVING POST OR POSTS MAY BE SET IN EXCAVATED HOLE AND BACKFILLED WITH CONTROLLED LOW STRENGTH MATERIAL (CLSM). 8" DIA. HOLE SHALL BE BACKFILLED WITH SUITABLE MATERIAL.
- AS DIRECTED BY THE ENGINEER AND WHERE PAVEMENT FOR RAILING IS NOT BEING INSTALLED, A MIN. 6" DEPTH OF PROCESSED AGGREGATE SHALL BE INSTALLED FROM THE PAVEMENT EDGE OR BACK OF CURB TO A MINIMUM OF 2' BEHIND THE GUIDERAIL POST AND COMPACTED IN 6" LIFTS.
- MINIMUM RAIL HEIGHT FOR NEW CONSTRUCTION SHALL BE $29" \pm 1"$.

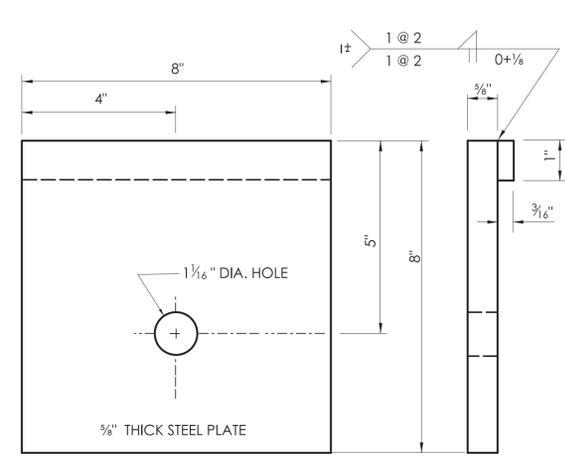
NOT TO SCALE	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY: Digitally signed by Leo Fontaine, P.E. Date: 2022.09.27 15:02:52-04'00'	APPROVED BY: Digitally signed by Michael J. Calabrese, Michael Date: 2022.11.08 10:16:01-05'00'	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: METAL BEAM RAIL (TYPE R-B 350) GUIDERAIL	STANDARD SHEET NO.: HW-910_02
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**DETAIL A
CABLE ANCHORAGE ASSEMBLY**



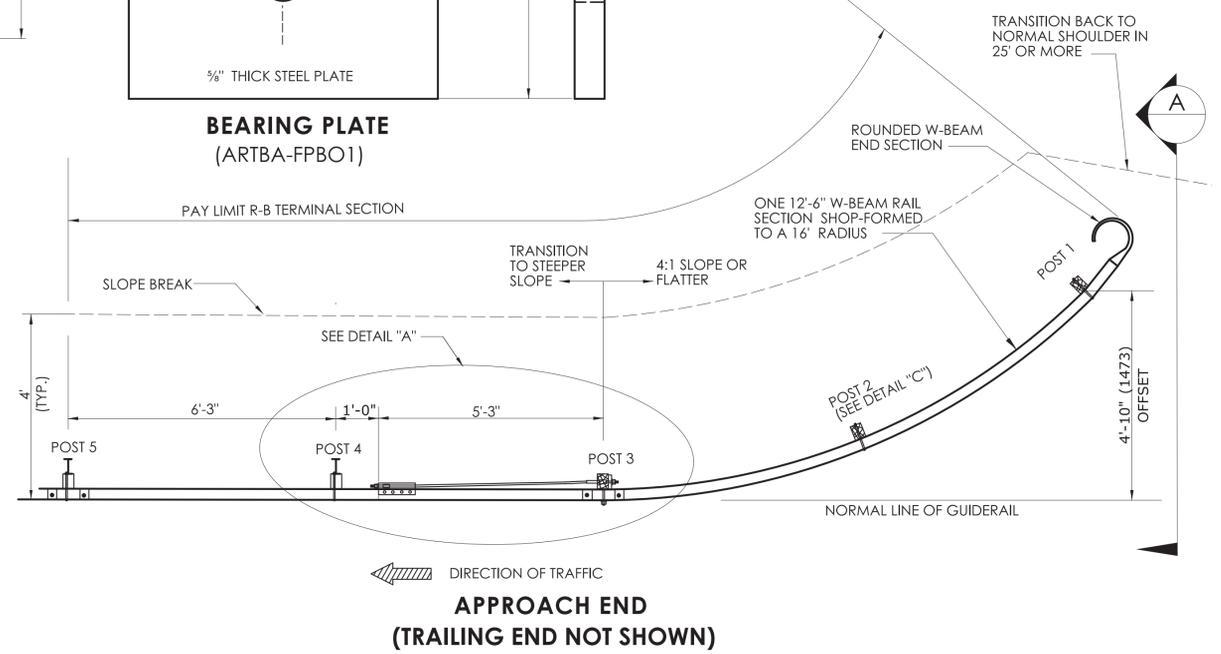
**DETAIL C
TIMBER TERMINAL POST
(ARTBA-PDFO1)
(SEE NOTE 2)**



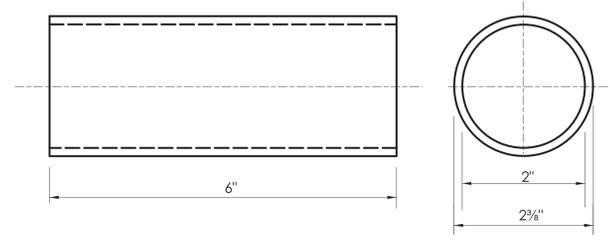
**BEARING PLATE
(ARTBA-FPB01)**

GENERAL NOTES:

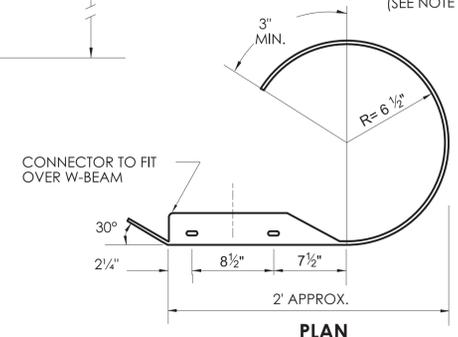
1. APPROACH END R-B TERMINAL SECTION SHALL ONLY BE USED ON LOW SPEED (<45 MPH) ROADWAYS.
2. POSTS 1, 2 AND 3 ARE TIMBER TERMINAL POSTS (DETAIL "C") WITH STEEL TUBES. POSTS 4 AND 5 ARE STANDARD R-B 350 STEEL POSTS WITH BLOCKOUTS.
3. REFER TO CTDOT STANDARD SPECIFICATIONS FOR MATERIAL AND GENERAL CONSTRUCTION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



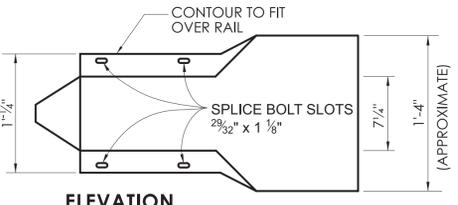
**APPROACH END
(TRAILING END NOT SHOWN)**



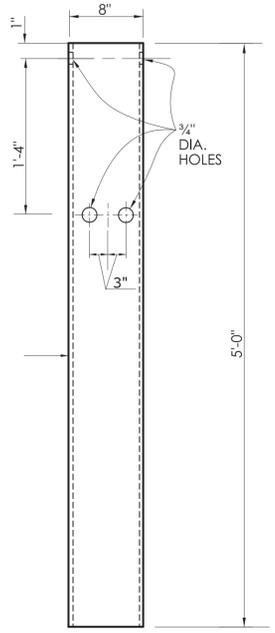
**BREAKAWAY TERMINAL POST SLEEVE
(ARTBA-FMMO2)**



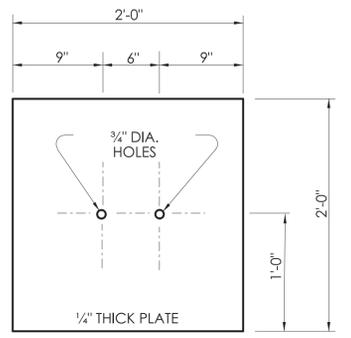
PLAN



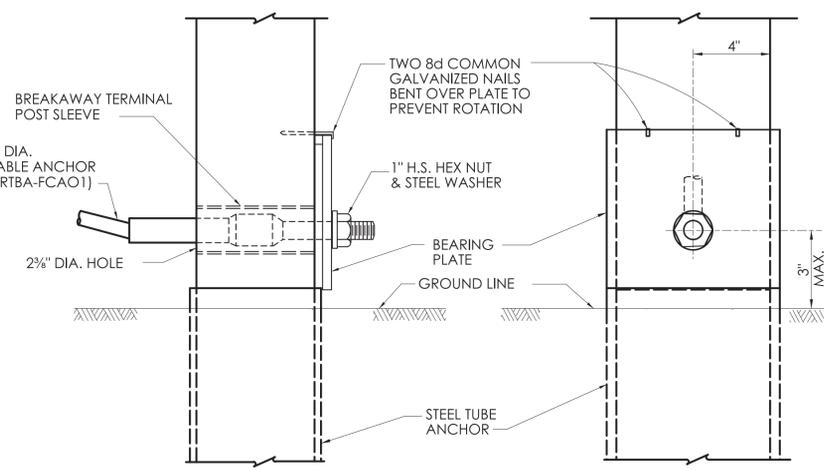
**ELEVATION
ROUNDED W-BEAM END SECTION**



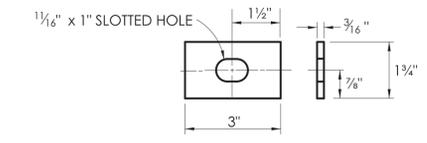
STEEL TUBE



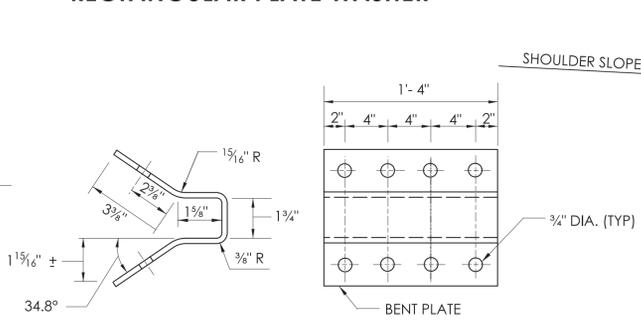
SOIL PLATE



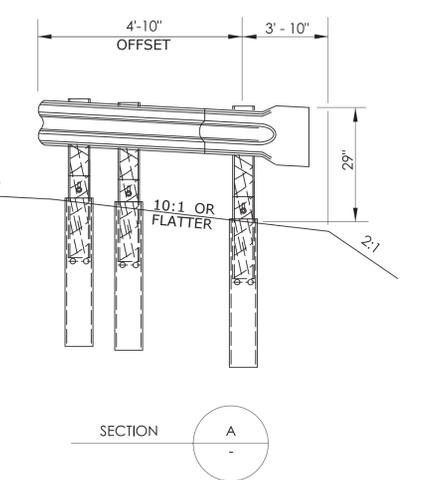
DETAIL B



**DETAIL D
RECTANGULAR PLATE WASHER**



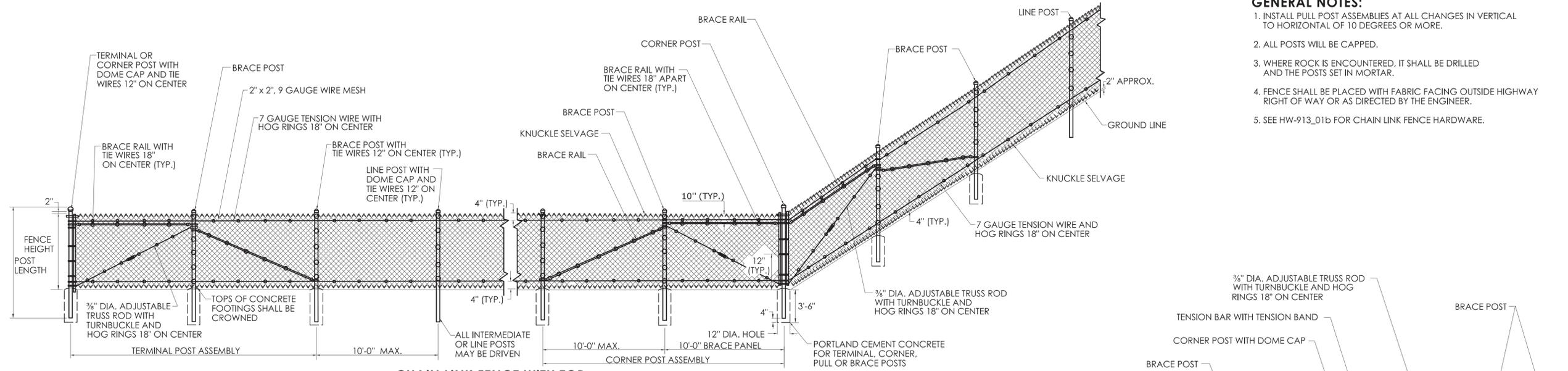
**ANCHOR PLATE
(ARTBA-FPAO1)**



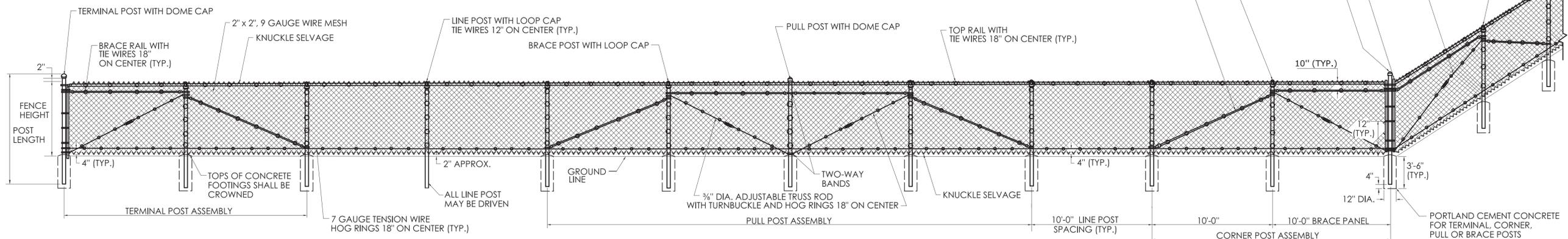
**SECTION
A**

GENERAL NOTES:

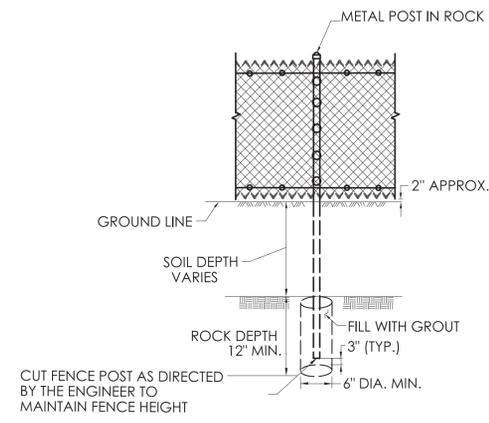
1. INSTALL PULL POST ASSEMBLIES AT ALL CHANGES IN VERTICAL TO HORIZONTAL OF 10 DEGREES OR MORE.
2. ALL POSTS WILL BE CAPPED.
3. WHERE ROCK IS ENCOUNTERED, IT SHALL BE DRILLED AND THE POSTS SET IN MORTAR.
4. FENCE SHALL BE PLACED WITH FABRIC FACING OUTSIDE HIGHWAY RIGHT OF WAY OR AS DIRECTED BY THE ENGINEER.
5. SEE HW-913_01b FOR CHAIN LINK FENCE HARDWARE.



CHAIN LINK FENCE WITH TOP TENSION WIRE

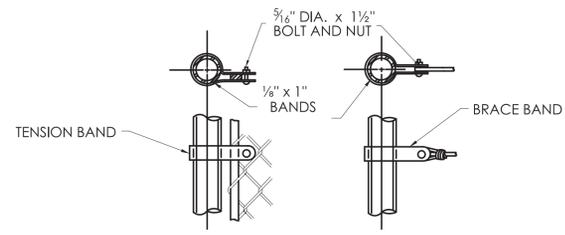


CHAIN LINK FENCE WITH TOP BRACE RAIL AND INTERMEDIATE OR BOTTOM TENSION WIRE

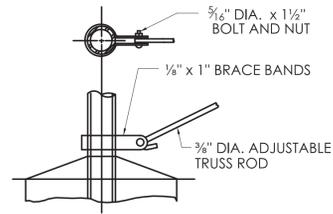


METAL POST IN ROCK

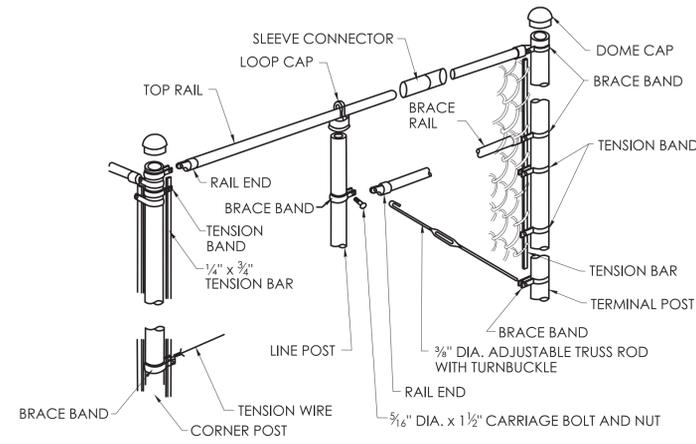
FENCE FABRIC HEIGHT	GROUP 1A ASTM F1083 SCH. 40 PIPE 50,000 PSI DIAMETER	GROUP 1C ASTM F1043 ELEC. RESISTANCE WELDED PIPE 50,000 PSI DIAMETER
LINE OR INTERMEDIATE POST		
UP TO 5'-0"	1 7/8"	1 7/8"
6'-0" TO 7'-0"	2 3/8"	2 3/8"
8'-0" TO 9'-0"	2 7/8"	2 7/8"
10'-0"	3 1/2"	3 1/2"
12'-0" OR HIGHER	4"	4"
TERMINAL,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



TENSION BAR TENSION WIRE



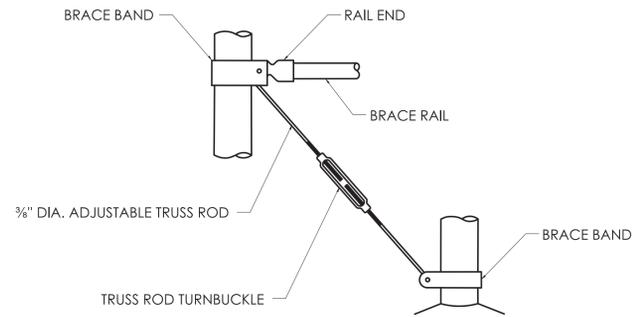
ADJUSTABLE TRUSS ROD



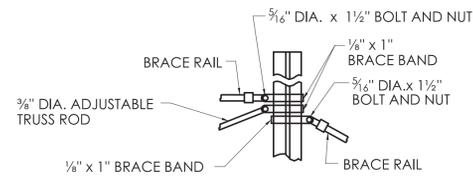
TOP RAIL / TRUSSED BRACE RAIL WITH BOTTOM TENSION WIRE



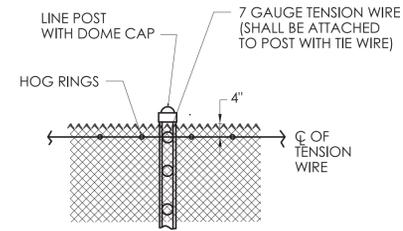
TIE WIRE



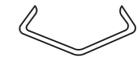
BRACE & TRUSS CONNECTIONS



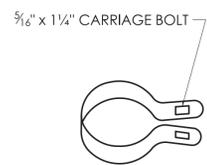
BRACE RAILS ATTACHMENT TO LINE POSTS



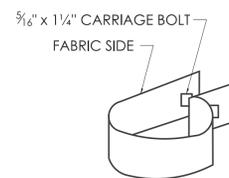
TENSION WIRE



HOG RING



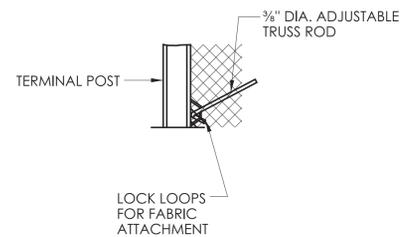
1/8" x 1" BRACE BAND



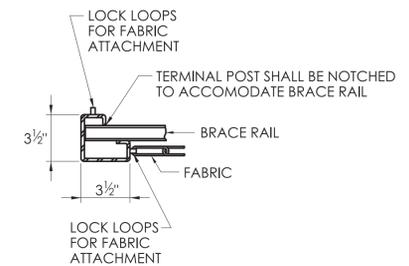
5/16" x 1 1/4" TENSION BAND



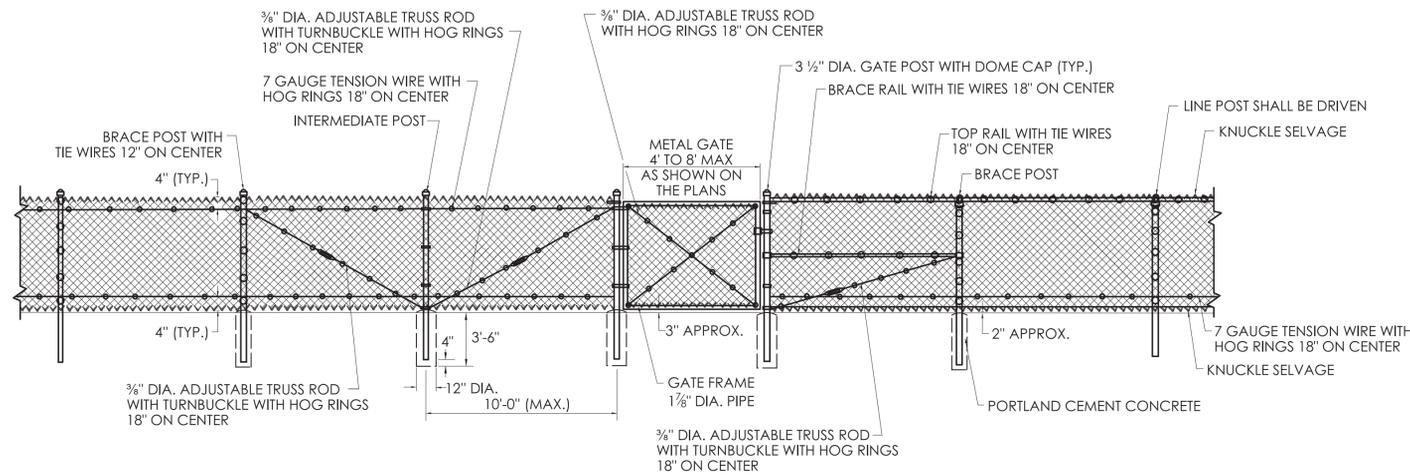
KNUCKLE SELVAGE



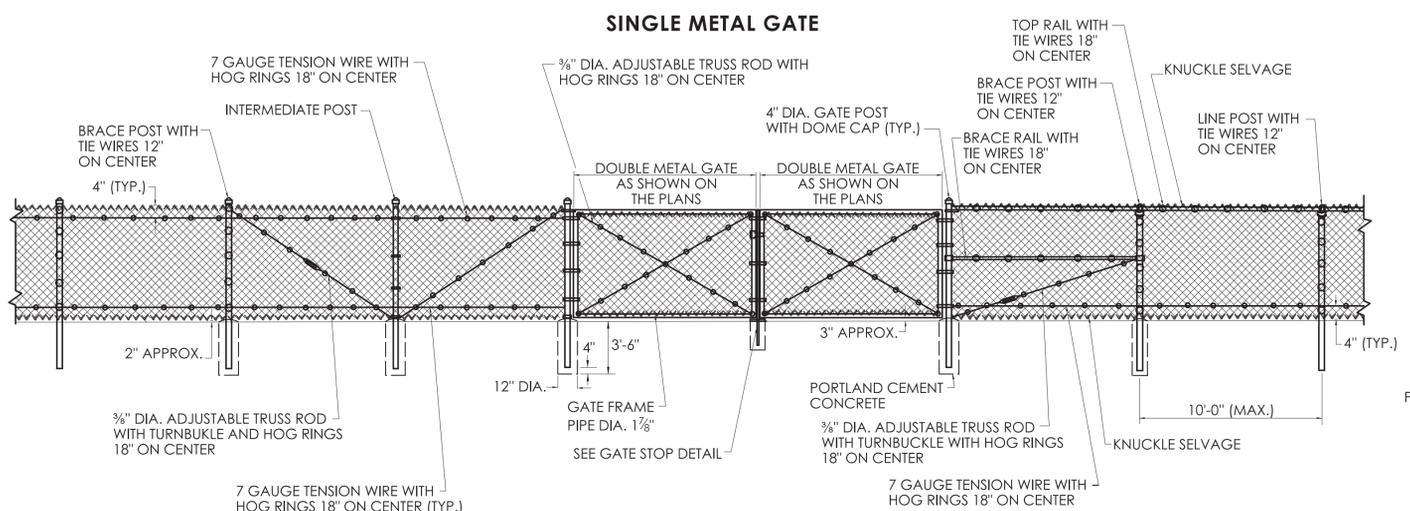
TRUSS ROD ATTACHMENT



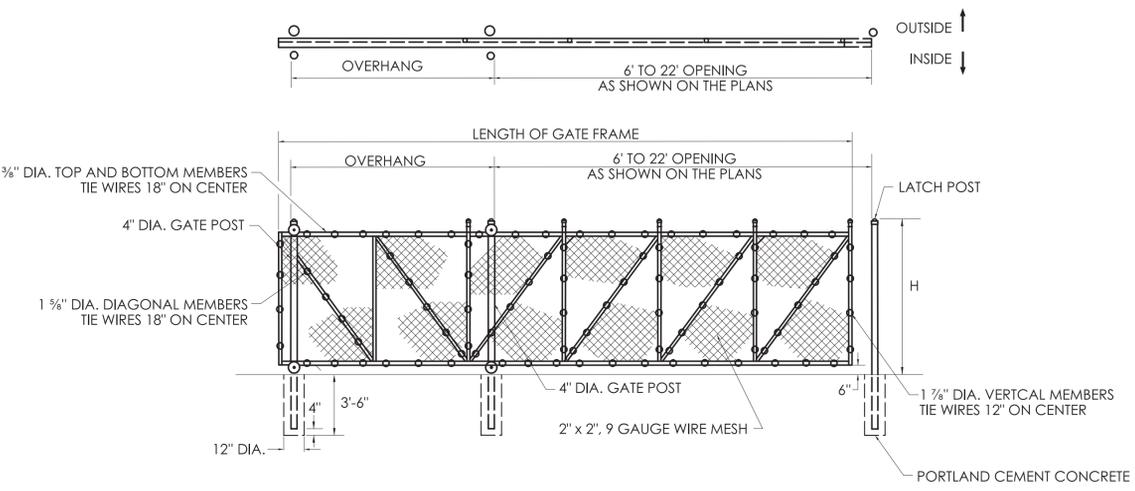
FABRIC AND BRACE RAIL ATTACHMENT



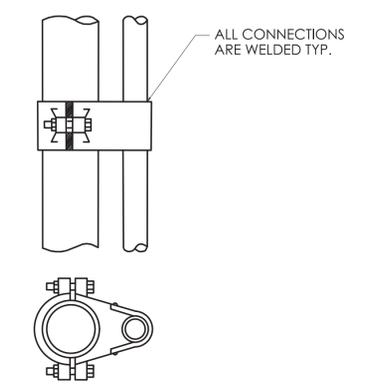
SINGLE METAL GATE



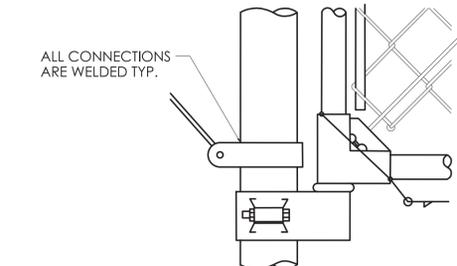
DOUBLE METAL GATE



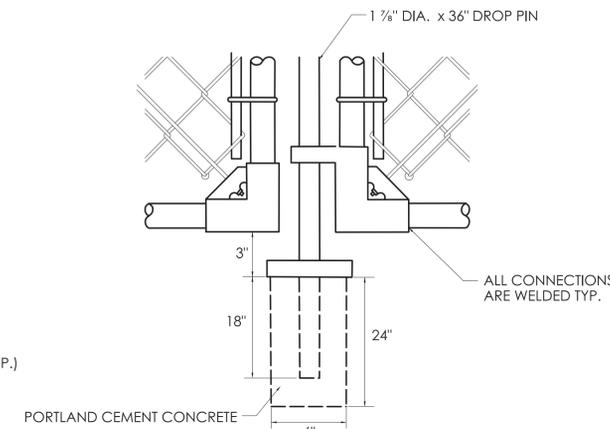
SINGLE CANTILEVERED SLIDING GATE



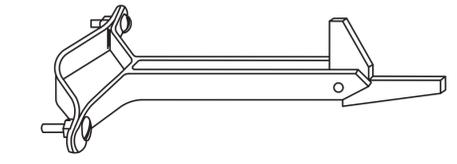
TOP GATE HINGE



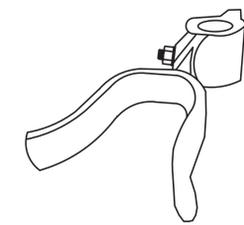
GATE HINGE BOTTOM



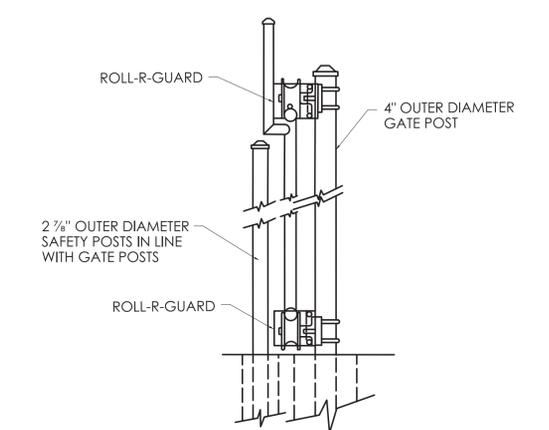
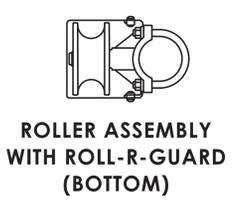
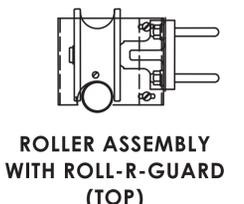
GATE STOP



GATE HOLD BACK



GATE LATCH



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

NOT TO SCALE

SIGNATURE BLOCK:
OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

SUBMITTED BY:
Digitally signed by
Leo Fontaine, P.E.
Date: 2022.09.27
15:16:15-04'00'

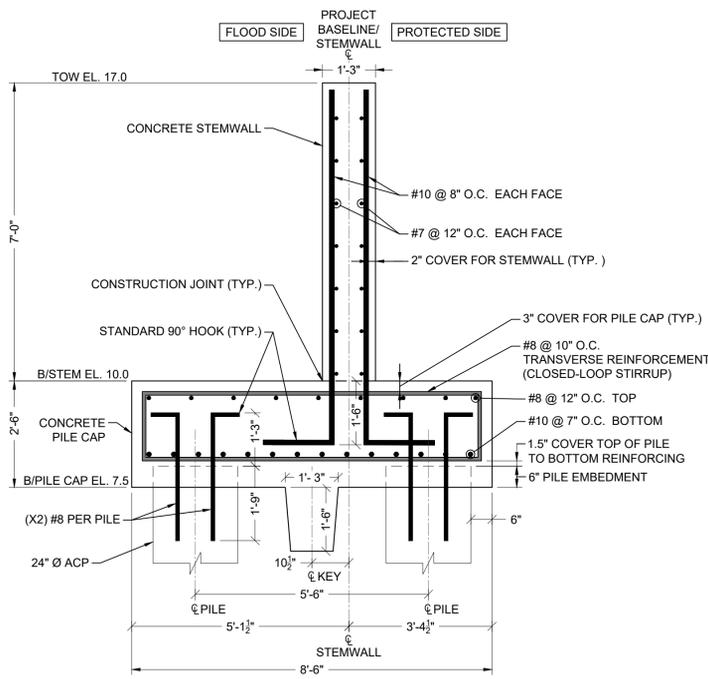
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Digitally signed by
Michael
Date: 2022.11.08
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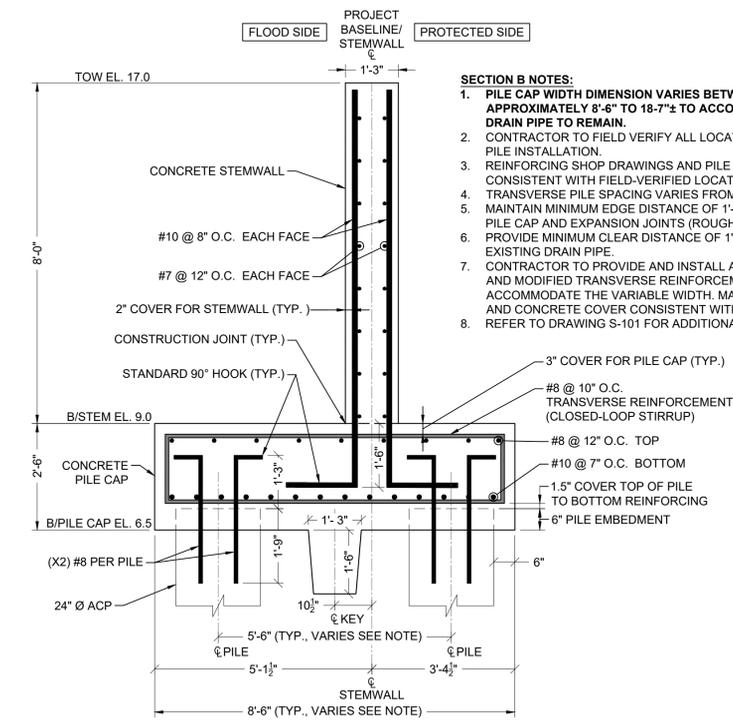
CTDOT
STANDARD SHEET

STANDARD SHEET TITLE:
CHAIN LINK FENCE GATES

STANDARD SHEET NO.:
HW-913_02

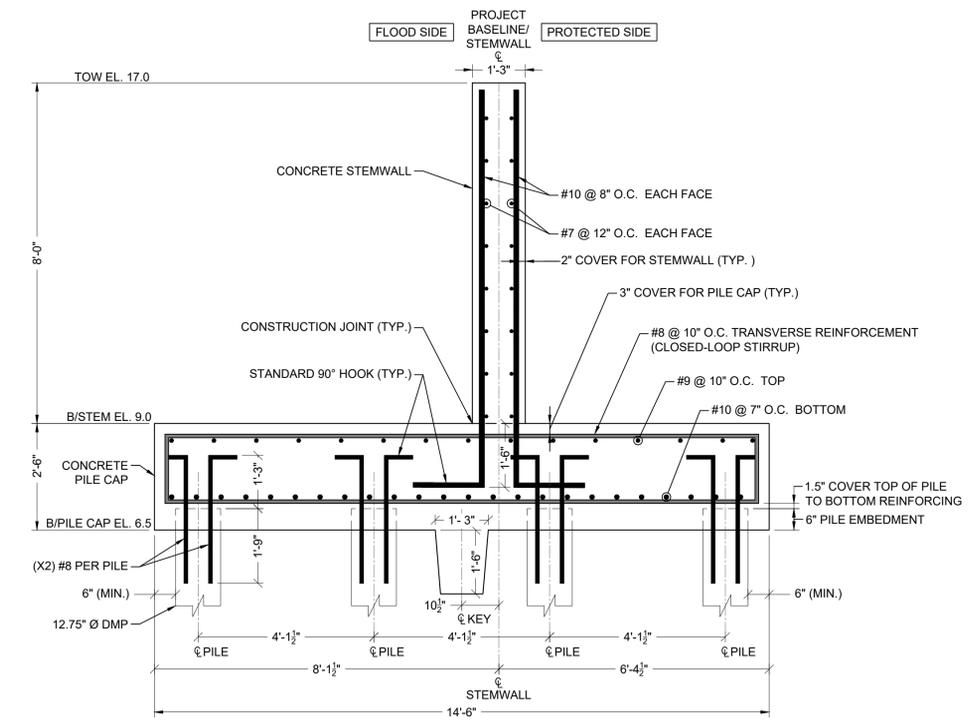


A SECTION: STA. 3+94.06 TO 6+02.95
S-101 SCALE: 1"=2'

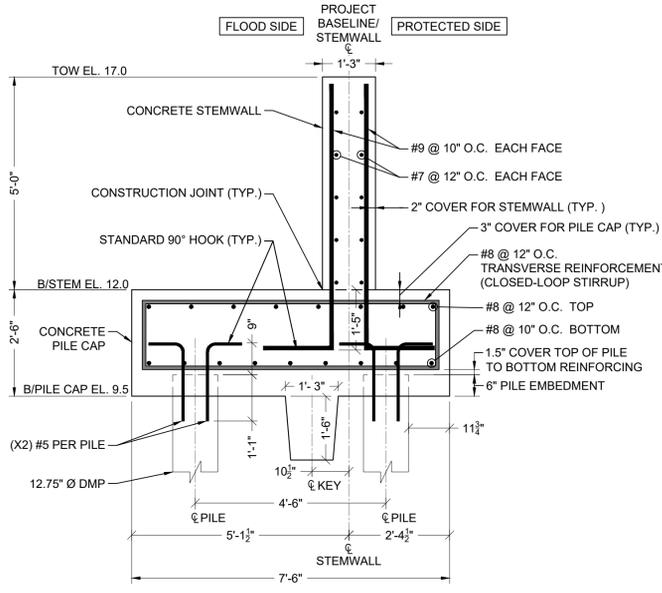


- SECTION B NOTES:**
- PILE CAP WIDTH DIMENSION VARIES BETWEEN STA. 6+63 AND 7+32± FROM APPROXIMATELY 8'-6" TO 18'-7"± TO ACCOMMODATE THE EXISTING 54" CMP DRAIN PIPE TO REMAIN.
 - CONTRACTOR TO FIELD VERIFY ALL LOCATIONS AND DIMENSIONS PRIOR TO PILE INSTALLATION.
 - REINFORCING SHOP DRAWINGS AND PILE LAYOUT SUBMITTALS SHALL BE CONSISTENT WITH FIELD-VERIFIED LOCATIONS AND DIMENSIONS.
 - TRANSVERSE PILE SPACING VARIES FROM APPROXIMATELY 5'-6" TO 15'-4"± (C-C).
 - MAINTAIN MINIMUM EDGE DISTANCE OF 1'-6" FROM CENTER OF PILE TO FACE OF PILE CAP AND EXPANSION JOINTS (ROUGHLY 6" CLEAR) THROUGHOUT.
 - PROVIDE MINIMUM CLEAR DISTANCE OF 1'-6" BETWEEN THE PILE SHAFTS AND EXISTING DRAIN PIPE.
 - CONTRACTOR TO PROVIDE AND INSTALL ADDITIONAL TOP AND BOTTOM BARS AND MODIFIED TRANSVERSE REINFORCEMENT FOR THE PILE CAP TO ACCOMMODATE THE VARIABLE WIDTH, MAINTAIN BAR TYPES, SIZES, SPACING, AND CONCRETE COVER CONSISTENT WITH SECTION B.
 - REFER TO DRAWING S-101 FOR ADDITIONAL INFORMATION.

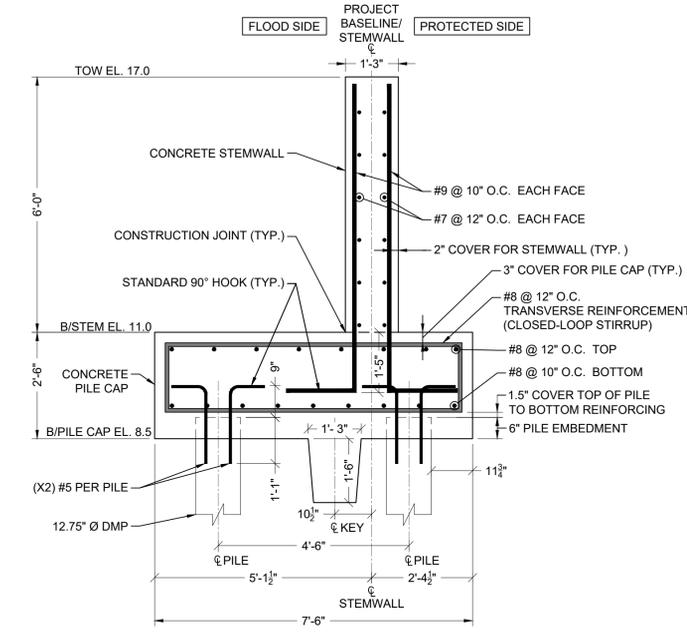
B SECTION: STA. 6+02.95 TO 11+47.97; 11+72.97 TO 12+30.06
S-101/S-102 SCALE: 1"=2'



C SECTION: STA. 11+47.97 TO 11+72.97
S-102 SCALE: 1"=2'



D SECTION: STA. 13+67.77 TO 14+80.57
S-103 SCALE: 1"=2'



E SECTION: STA. 14+80.57 TO 16+09.59
S-103 SCALE: 1"=2'
NOTE: REFER TO DRAWING S-402 FOR DEPLOYABLE FLOOD GATE SYSTEM [GATE - A] STA. 16+09.59 TO 16+56.13.

- REINFORCED CONCRETE FLOODWALL NOTES:**
- CONCRETE MIX SHALL BE 5,000 PSI AT 28 DAYS.
 - REINFORCING BARS SHALL BE ASTM A615, GRADE 60; EPOXY-COATED ASTM A775 OR ASTM A934.
 - REINFORCING BARS SHALL BE CONTINUOUS THROUGH CONSTRUCTION JOINTS AND DISCONTINUOUS AT EXPANSION JOINTS.
 - CAST-IN-PLACE CONCRETE SHALL BE INSTALLED MONOLITHICALLY BETWEEN CONSECUTIVE EXPANSION JOINTS EXCEPT WHERE CONSTRUCTION JOINTS ARE SHOWN TO PERMIT SEQUENCING OF THE CONCRETE PLACEMENT.
 - PROVIDE 3/8" CHAMFERS ON ALL EXPOSED EDGES, EXTERIOR CORNERS, AND AT EXPANSION JOINTS OF THE CONCRETE FLOOD WALL ELEMENTS.
 - REINFORCED CONCRETE FLOOD WALL SECTIONS 'A' THROUGH 'K' DEPICTED ON DRAWINGS S-201, S-202, AND S-203 INDICATE THE MINIMUM TYPICAL CROSS-SECTIONAL DESIGN GEOMETRIES AND REINFORCING REQUIREMENTS. WHERE ARCHITECTURAL CONCRETE FINISH IS SCHEDULED THE THICKNESS OF THE STEMWALL SHALL BE INCREASED TO MAINTAIN THE REQUIRED CONCRETE COVER.
 - REFER TO THE STEMWALL ARCHITECTURAL FINISH SCHEDULE AND TYPICAL DETAIL: CONCRETE FINISHES FOR STEMWALL SECTIONS ON DRAWING S-203 FOR ADDITIONAL INFORMATION.



2	ISSUED FOR BID	AJK	1/29/2026
1	ISSUED FOR REGULATORY REVIEW	AJK	1/29/2025
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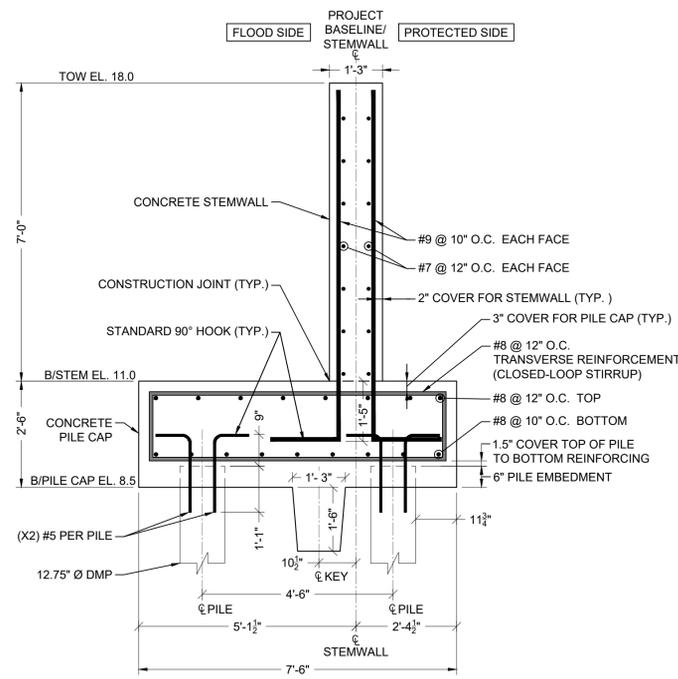
WATER POLLUTION CONTROL FACILITY FLOOD PROTECTION SYSTEM IMPROVEMENTS, STRATFORD, CONNECTICUT 100% DESIGN DRAWINGS, JULY 2024 - CONTRACT #: 2026-15

TYPICAL SECTIONS WALL-1 AND WALL-2

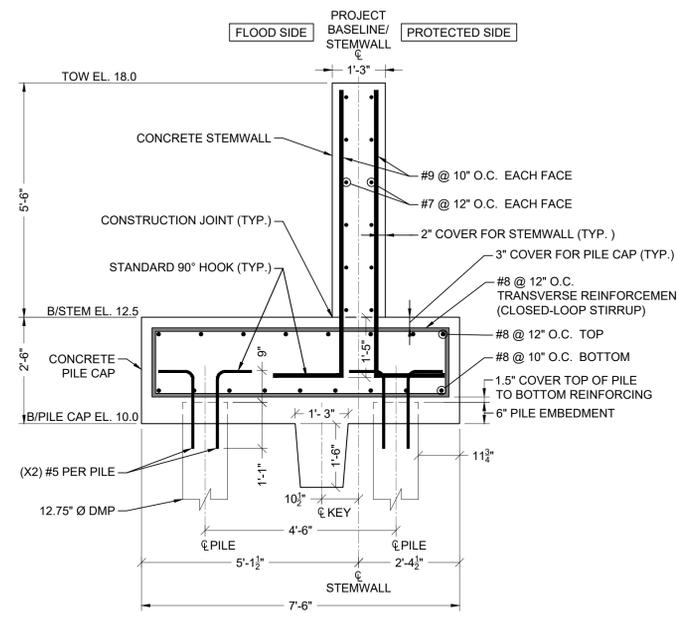
PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com	PREPARED FOR: TOWN OF STRATFORD 2725 MAIN STREET STRATFORD, CT 06615
PROJ MGR: AJK DESIGNED BY: AJK DATE: JULY 2024	REVIEWED BY: DMB DRAWN BY: AJK PROJECT NO.: 18.0172256.70
CHECKED BY: JAA SCALE: AS SHOWN REVISION NO.: 2	DRAWING S-201 SHEET NO. 47 OF 55

© 2024 - GZA GeoEnvironmental, Inc. GZA-1\ZAMASBERRY\WORK\122256\STA. 13+67.77 TO 14+80.57 WALL IMPROVEMENTS\FIGURES\DWG\122256.TD STRATFORD.WPCF.DWG 5-201 JANUARY 29, 2026 3:39 PM dlm.knp

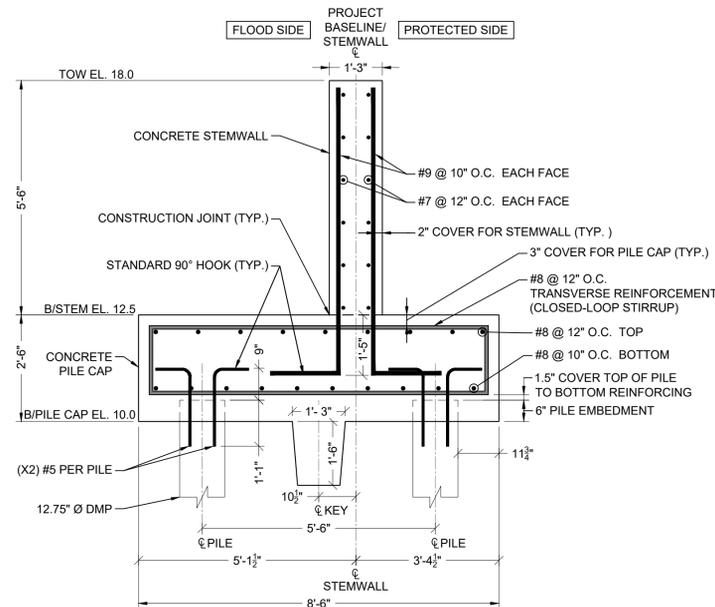
- REINFORCED CONCRETE FLOODWALL NOTES:
1. CONCRETE MIX SHALL BE 5,000 PSI AT 28 DAYS.
 2. REINFORCING BARS SHALL BE ASTM A615, GRADE 60; EPOXY-COATED ASTM A775 OR ASTM A934.
 3. REINFORCING BARS SHALL BE CONTINUOUS THROUGH CONSTRUCTION JOINTS AND DISCONTINUOUS AT EXPANSION JOINTS.
 4. CAST-IN-PLACE CONCRETE SHALL BE INSTALLED MONOLITHICALLY BETWEEN CONSECUTIVE EXPANSION JOINTS EXCEPT WHERE CONSTRUCTION JOINTS ARE SHOWN TO PERMIT SEQUENCING OF THE CONCRETE PLACEMENT.
 5. PROVIDE $\frac{3}{8}$ " CHAMFERS ON ALL EXPOSED EDGES, EXTERIOR CORNERS, AND AT EXPANSION JOINTS OF THE CONCRETE FLOOD WALL ELEMENTS.
 6. REINFORCED CONCRETE FLOOD WALL SECTIONS 'A' THROUGH 'K' DEPICTED ON DRAWINGS S-201, S-202, AND S-203 INDICATE THE MINIMUM TYPICAL CROSS-SECTIONAL DESIGN GEOMETRIES AND REINFORCING REQUIREMENTS. WHERE ARCHITECTURAL CONCRETE FINISH IS SCHEDULED THE THICKNESS OF THE STEMWALL SHALL BE INCREASED TO MAINTAIN THE REQUIRED CONCRETE COVER.
 7. REFER TO THE STEMWALL ARCHITECTURAL FINISH SCHEDULE AND TYPICAL DETAIL: CONCRETE FINISHES FOR STEMWALL SECTIONS ON DRAWING S-203 FOR ADDITIONAL INFORMATION.



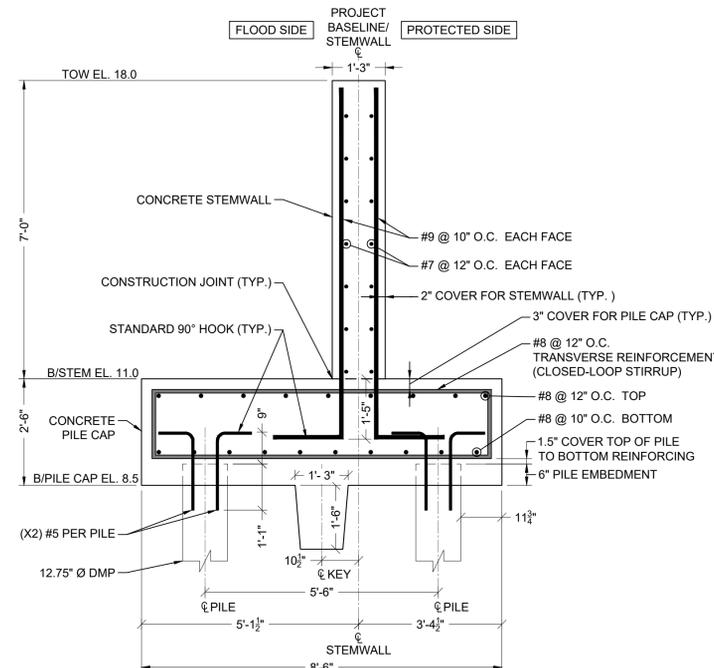
F SECTION: STA. 16+56.13 TO 18+30.85; STA. 18+60.85 TO 21+29.86
 S-103 SCALE: 1"=2'
 S-104 NOTE: REFER TO DRAWING S-402 FOR DEPLOYABLE FLOOD GATE SYSTEM [GATE - A] STA. 16+09.59 TO 16+56.13.



G SECTION: STA. 18+30.85 TO 18+60.85
 S-104 SCALE: 1"=2'



H SECTION: STA. 21+29.86 TO 21+59.86
 S-104 SCALE: 1"=2'



I SECTION: STA. 21+59.86 TO 21+87.00
 S-104 SCALE: 1"=2'
 NOTE: REFER TO DRAWING S-403 FOR DEPLOYABLE FLOOD GATE SYSTEM [GATE - B] STA. 21+87.00 TO 22+33.55.



2	ISSUED FOR BID	AJK	1/29/2026
1	ISSUED FOR REGULATORY REVIEW	AJK	1/29/2025
NO.	ISSUE/DESCRIPTION	BY	DATE

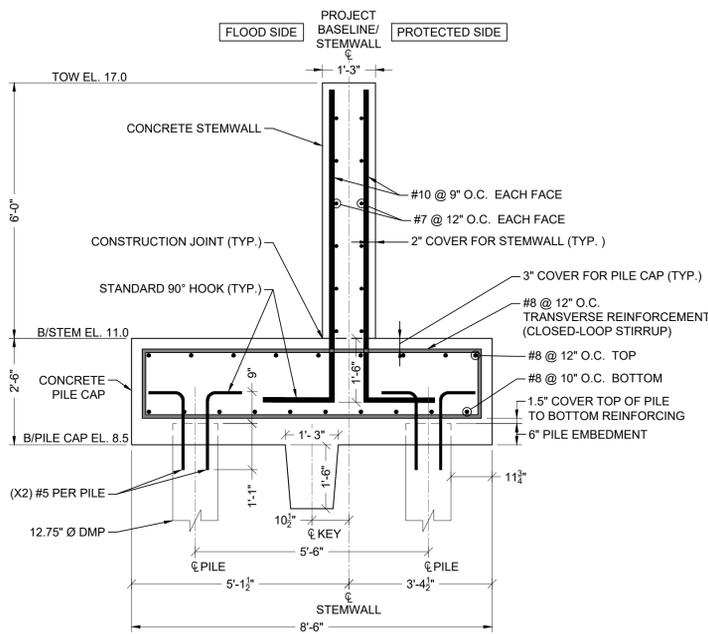
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WATER POLLUTION CONTROL FACILITY FLOOD PROTECTION SYSTEM IMPROVEMENTS, STRATFORD, CONNECTICUT 100% DESIGN DRAWINGS, JULY 2024 - CONTRACT # 2026-15

TYPICAL SECTIONS WALL-3

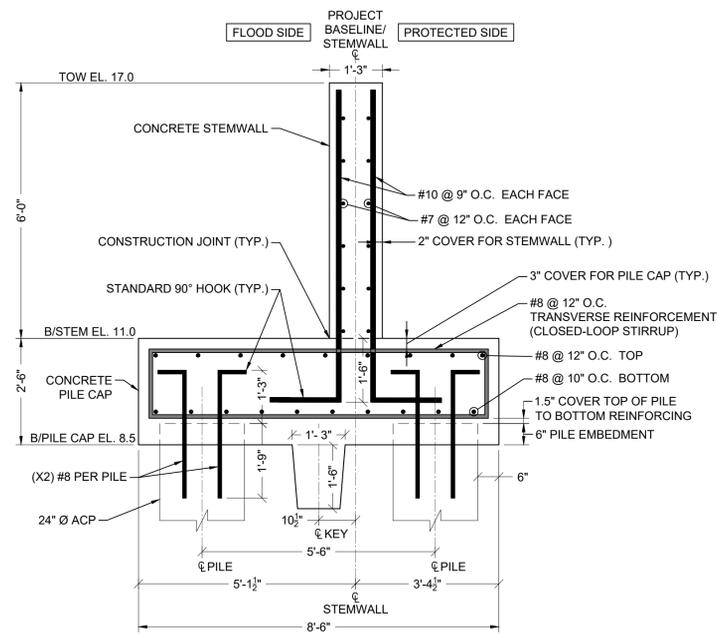
PREPARED BY: GZA GeoEnvironmental, Inc. www.gza.com	DESIGNED BY: AJK	DRAWN BY: AJK	REVIEWED BY: DMB	CHECKED BY: JAA	SCALE: AS SHOWN	REVISION NO. 2	DATE: JULY 2024	PROJECT NO. 18.0172256.70	PREPARED FOR: TOWN OF STRATFORD 2725 MAIN STREET STRATFORD, CT 06615	DRAWING S-202 SHEET NO. 48 OF 55
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J SECTION: STA. 22+33.55 TO 23+76.10

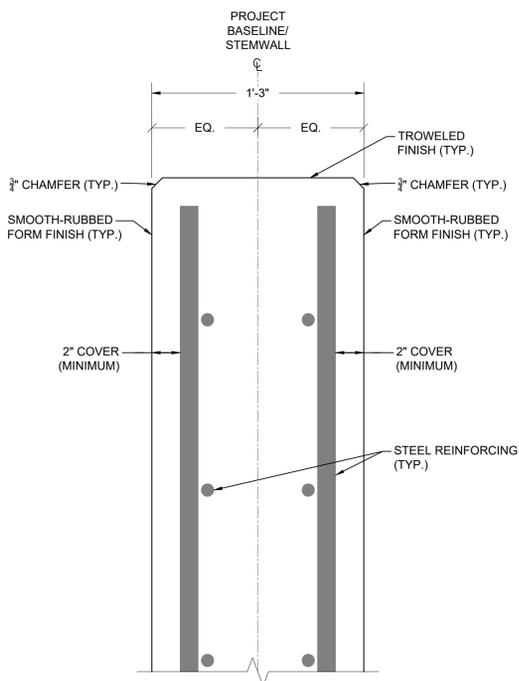
SCALE: 1"=2'
NOTE: REFER TO DRAWING S-403 FOR DEPLOYABLE FLOOD GATE SYSTEM [GATE - B] STA. 21+87.00 TO 22+33.55.



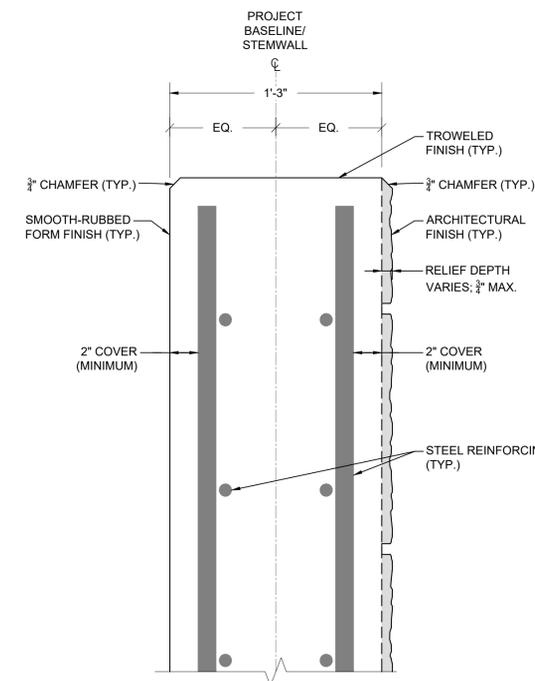
K SECTION: STA. 30+14.62 TO 30+41.87; 30+71.37 TO 30+98.62

SCALE: 1"=2'
NOTE: REFER TO DRAWING S-404 FOR DEPLOYABLE FLOOD GATE SYSTEM [GATE - C] STA. 30+41.87 TO 30+71.37.

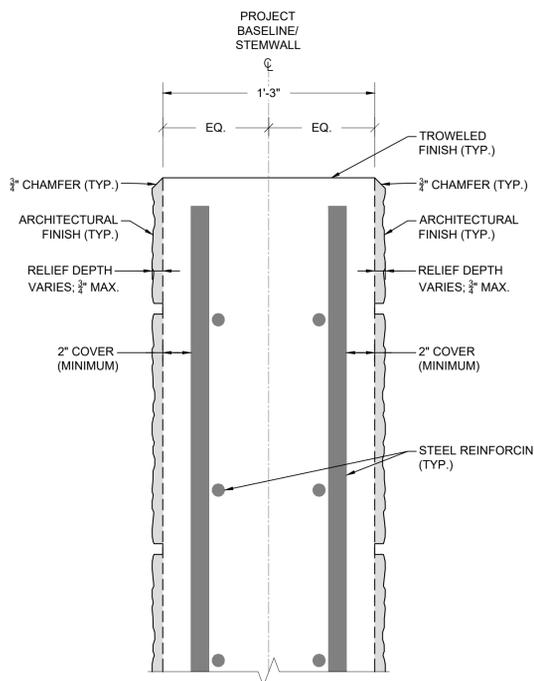
- REINFORCED CONCRETE FLOODWALL NOTES:**
- CONCRETE MIX SHALL BE 5,000 PSI AT 28 DAYS.
 - REINFORCING BARS SHALL BE ASTM A615, GRADE 60; EPOXY-COATED ASTM A775 OR ASTM A934.
 - REINFORCING BARS SHALL BE CONTINUOUS THROUGH CONSTRUCTION JOINTS AND DISCONTINUOUS AT EXPANSION JOINTS.
 - CAST-IN-PLACE CONCRETE SHALL BE INSTALLED MONOLITHICALLY BETWEEN CONSECUTIVE EXPANSION JOINTS EXCEPT WHERE CONSTRUCTION JOINTS ARE SHOWN TO PERMIT SEQUENCING OF THE CONCRETE PLACEMENT.
 - PROVIDE 3/8" CHAMFERS ON ALL EXPOSED EDGES, EXTERIOR CORNERS, AND AT EXPANSION JOINTS OF THE CONCRETE FLOOD WALL ELEMENTS.
 - REINFORCED CONCRETE FLOOD WALL SECTIONS 'A' THROUGH 'K' DEPICTED ON DRAWINGS S-201, S-202, AND S-203 INDICATE THE MINIMUM TYPICAL CROSS-SECTIONAL DESIGN GEOMETRIES AND REINFORCING REQUIREMENTS. WHERE ARCHITECTURAL CONCRETE FINISH IS SCHEDULED THE THICKNESS OF THE STEMWALL SHALL BE INCREASED TO MAINTAIN THE REQUIRED CONCRETE COVER.
 - REFER TO THE STEMWALL ARCHITECTURAL FINISH SCHEDULE AND TYPICAL DETAIL: CONCRETE FINISHES FOR STEMWALL SECTIONS ON DRAWING S-203 (THIS SHEET) FOR ADDITIONAL INFORMATION.



NOTE: THE BASE BID INCLUDES SMOOTH-RUBBED FORM FINISH OF ALL EXPOSED VERTICAL STEMWALL AND GATE POST (COLUMN) FACES. IF ADD ALTERNATES ARE AWARDED, THE PROPOSED ARCHITECTURAL FINISH WILL REPLACE SMOOTH-RUBBED FORM FINISH ONLY ON THE EXPOSED VERTICAL STEMWALL FACES CORRESPONDING TO THE STEMWALL ARCHITECTURAL FINISH SCHEDULE (THIS SHEET).



NOTE: ADD ALT. 1 INCLUDES ARCHITECTURAL FINISH FOR BOTH FACES OF THE STEMWALL FOR LIMITED SEGMENTS OF WALL-2 AND WALL-4 ONLY. ADD ALT. 1 + 2 INCLUDES ARCHITECTURAL FINISH FOR BOTH FACES OF THE STEMWALL OF WALL-3 IN ADDITION TO THE LIMITED SEGMENTS OF WALL-2 AND WALL-4 AS REQUIRED PER ADD ALT. 1.



STEMWALL ARCHITECTURAL FINISH SCHEDULE (ADD ALTS. 1, 2, AND 3)					
ADD ALTERNATE	WALL SEGMENT	FACE OF WALL	STATIONS	HEIGHT (FT)	LENGTH (FT)
ADD ALT. 1 (A1)	WALL-1	FLOOD SIDE	10+44.91 TO 12+30.06	8.0	185.2
		FLOOD SIDE	13+67.77 TO 14+80.57	5.0	112.8
	WALL-3	PROTECTED SIDE	14+80.57 TO 16+09.59	6.0	128.8
			15+98.62 TO 16+09.59	6.0	11.6
		PROTECTED SIDE	16+56.13 TO 18+30.85	7.0	174.7
			18+30.85 TO 18+60.85	5.5	30.0
			18+60.85 TO 21+29.86	7.0	269.5
			21+29.86 TO 21+59.86	5.5	30.0
WALL-4	PROTECTED SIDE	21+59.86 TO 21+87.00	7.0	27.2	
	FLOOD SIDE	22+33.55 TO 22+46.13	6.0	13.2	
ADD ALT. 2 (A2)	WALL-3	FLOOD SIDE	22+33.55 TO 23.76.10	6.0	141.7
		FLOOD SIDE	16+56.13 TO 18+30.85	7.0	174.7
		FLOOD SIDE	18+30.85 TO 18+60.85	5.5	30.0
		FLOOD SIDE	18+60.85 TO 21+29.86	7.0	269.5
		FLOOD SIDE	21+29.86 TO 21+59.86	5.5	30.0
ADD ALT. 3 (A3)	WALL-5	FLOOD SIDE	21+59.86 TO 21+87.00	7.0	27.2
		FLOOD SIDE	30+14.62 TO 30+41.87	6.0	27.3
	WALL-6	FLOOD SIDE	30+71.37 TO 30+98.62	6.0	27.3

- STEMWALL ARCHITECTURAL FINISH NOTES:**
- THE STEMWALL ARCHITECTURAL FINISH SCHEDULE (THIS SHEET) INDICATES THE APPROXIMATE LIMITS, LOCATIONS, DIMENSIONS, AND VERTICAL FACES (SIDES) OF THE STEMWALLS TO RECEIVE ARCHITECTURAL FINISH.
 - ONLY THE STEMWALL SEGMENTS AND FACES THAT CORRESPOND TO THE AWARDED ADD ALTERNATIVES, IF ANY, AND ARE IDENTIFIED ON THE STEMWALL ARCHITECTURAL FINISH SCHEDULE SHALL RECEIVE TEXTURED ARCHITECTURAL FINISH. ALL OTHER FORMED CONCRETE STEMWALL AND COLUMN (GATE POST) FACES SHALL RECEIVE A SMOOTH-RUBBED FORM FINISH AS REQUIRED.
 - STATIONS INDICATED ON THE STEMWALL ARCHITECTURAL FINISH SCHEDULE ARE INDICATED FOR GENERAL LOCATION REFERENCE ONLY AND SHOULD BE CONSIDERED APPROXIMATE.
 - UNLESS NOTED OTHERWISE, THE SELECTED ARCHITECTURAL FINISH PATTERN SHALL EXTEND BETWEEN AND TERMINATE AT THE EXPANSION JOINT OR END OF WALL SEGMENT NEAREST TO INDICATED STATIONS.
 - THE LIMITED SEGMENTS OF ARCHITECTURAL FINISH LOCATED ON THE PROTECTED SIDE FACES OF WALL-2 AND WALL-4 SHALL EXTEND FROM THE EXPANSION JOINT BETWEEN THE STEMWALL AND ADJACENT CONCRETE COLUMN FOR THE DEPLOYABLE FLOOD GATE SEGMENTS TO THE NEAREST CORNER IN THE STEMWALL.

2	ISSUED FOR BID	AJK	1/29/2026
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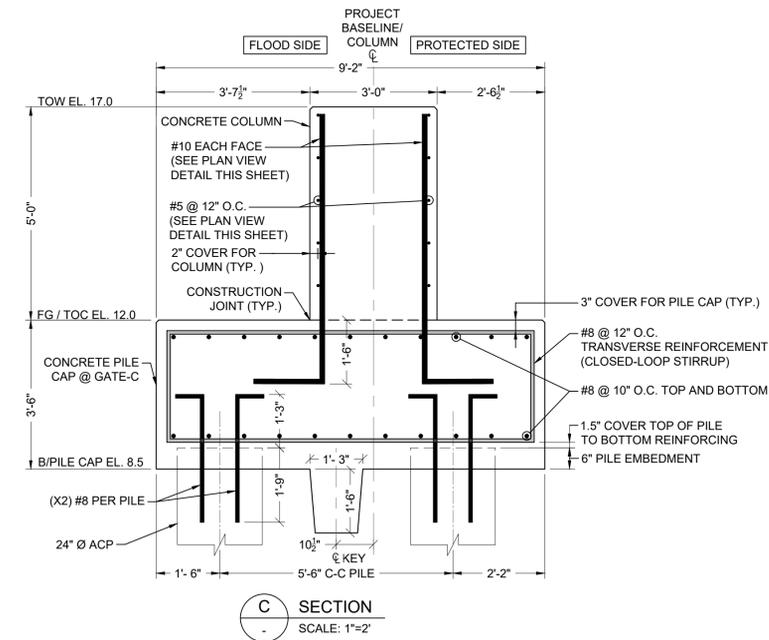
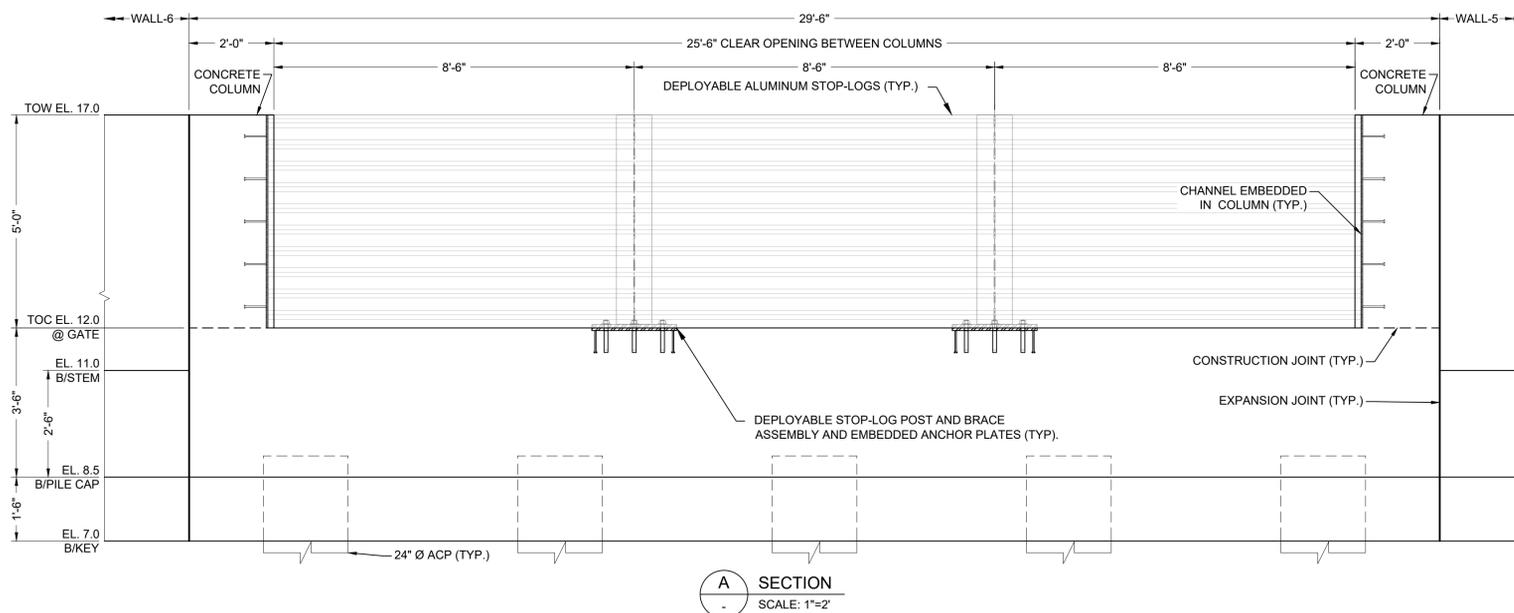
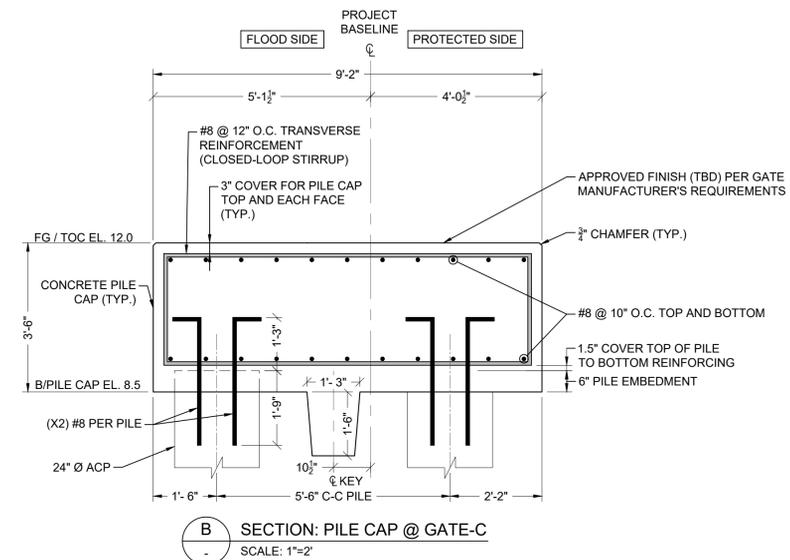
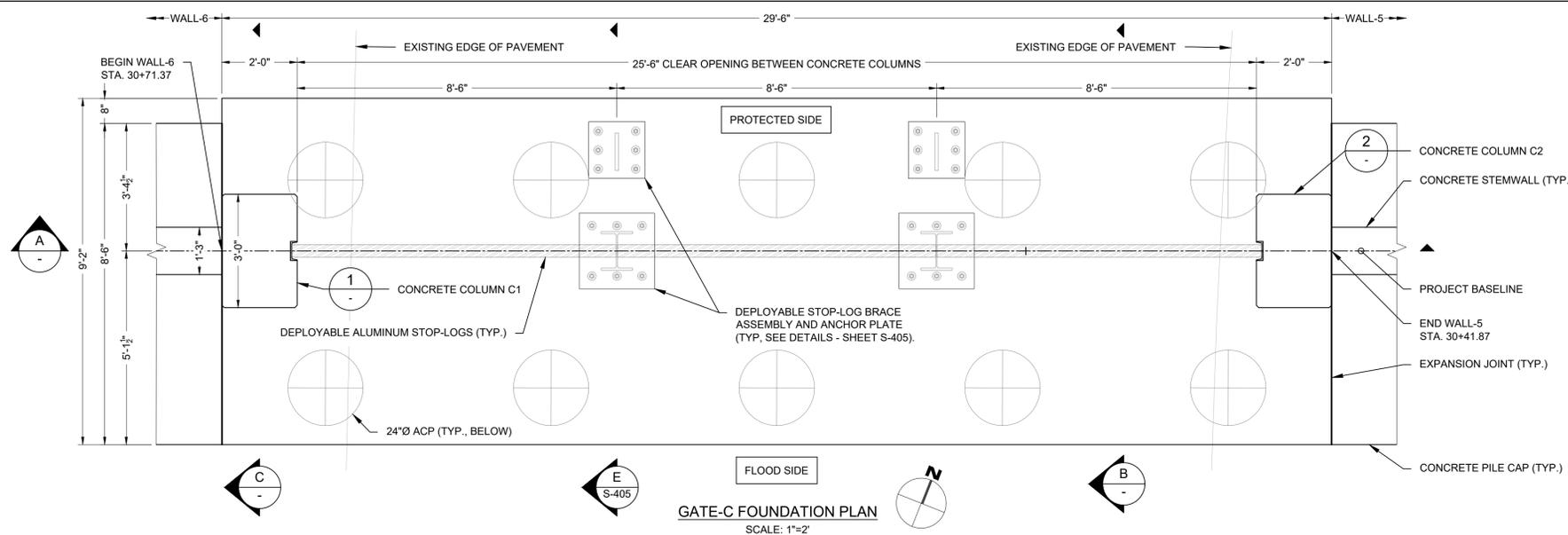
WATER POLLUTION CONTROL FACILITY FLOOD PROTECTION SYSTEM IMPROVEMENTS, STRATFORD, CONNECTICUT 100% DESIGN DRAWINGS, JULY 2024 - CONTRACT #: 2026-15

TYPICAL SECTIONS WALL-4, WALL-5, AND WALL-6

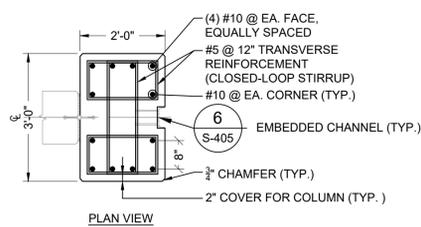
PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com	PREPARED FOR: TOWN OF STRATFORD 2725 MAIN STREET STRATFORD, CT 06615
PROJ MGR: AJK DESIGNED BY: AJK DATE: JULY 2024	REVIEWED BY: DMB DRAWN BY: AJK PROJECT NO: 18.0172256.70
CHECKED BY: JAA SCALE: AS SHOWN REVISION NO: 2	DRAWING S-203 SHEET NO. 49 of 55



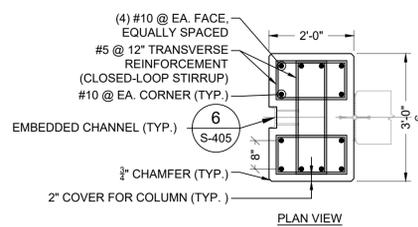
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NOTE: ALL VERTICAL #10 BARS FOR COLUMN REINFORCING SHALL BE DEVELOPED WITHIN THE PILE CAP.



1 DETAIL: REINFORCING AT COLUMN C1
SCALE: 1"=2'



2 DETAIL: REINFORCING AT COLUMN C2
SCALE: 1"=2'



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WATER POLLUTION CONTROL FACILITY FLOOD PROTECTION SYSTEM IMPROVEMENTS, STRATFORD, CONNECTICUT 100% DESIGN DRAWINGS, JULY 2024 - CONTRACT #: 2026-15			
GATE-C DETAILS			
PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com	PREPARED FOR: TOWN OF STRATFORD 2725 MAIN STREET STRATFORD, CT 06615		
PROJ MGR: AJK DESIGNED BY: AJK DATE: JULY 2024	REVIEWED BY: DMB DRAWN BY: AJK PROJECT NO.: 18.0172256.70	CHECKED BY: JAA SCALE: AS SHOWN REVISION NO.: 2	DRAWING S-404 SHEET NO. 54 OF 55

