

Pelton, Jason M (DEC)

From: Hannon, ED [US] (AS) <Edward.Hannon@ngc.com>
Sent: Thursday, September 12, 2019 2:28 PM
To: mrusso@OYSTERBAY-NY.gov; Richard Lenz; Matthew M. Rozea
Cc: Aaron Gershonowitz; Pelton, Jason M (DEC); Hesler, Donald (DEC); Engler, Christopher; San Giovanni, Carlo; Dave Stern (David.Stern@arcadis-us.com); jbalmat@hsweng.com; Karpinski, Steven (HEALTH)
Subject: North Windhorst Drawings
Attachments: RW21TSIPD-WINDHORST-100PERCENT-ISSUED FOR BID-2019.09.12-SIGNED.pdf; N. Windhorst Ave Draft Access Agreement

Importance: High

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Gentleman

As agreed attached you will find the 100% design drawing package for installing the RW 21 pipe down North Windhorst Avenue to supplement the 60% design package you provided comments for on August 8th.

Also attached is the email containing the draft access agreement submitted on August 29th.

- Q1** Can you confirm the RW 21 Pipe Line installation project for North Windhorst is on the Town Board Hearing docket for next Tuesdays September 17th?
- Q2** Did you want Northrop Grumman to be present at that hearing to address any questions the Board or others may have?
- Q3** When can NG expect to see the latest version of the access agreement.
- Q4** Will the Northrop Grumman \$50K check the Town is holding in escrow from the work now completed on Grumman Road East (Hickey Blvd) be moved to cover the planned work on North Windhorst Ave?

Thank You
Ed Hannon
Northrop Grumman

ISSUED FOR BID

RW-21 AREA TREATMENT SYSTEM INFLUENT PIPELINE NORTH WINDHORST AVENUE - BETHPAGE, N.Y. OPERABLE UNIT 3

FORMER GRUMMAN SETTLING PONDS

DATE ISSUED
SEPTEMBER 2019

NORTHROP GRUMMAN SYSTEMS CORPORATION BETHPAGE, NEW YORK

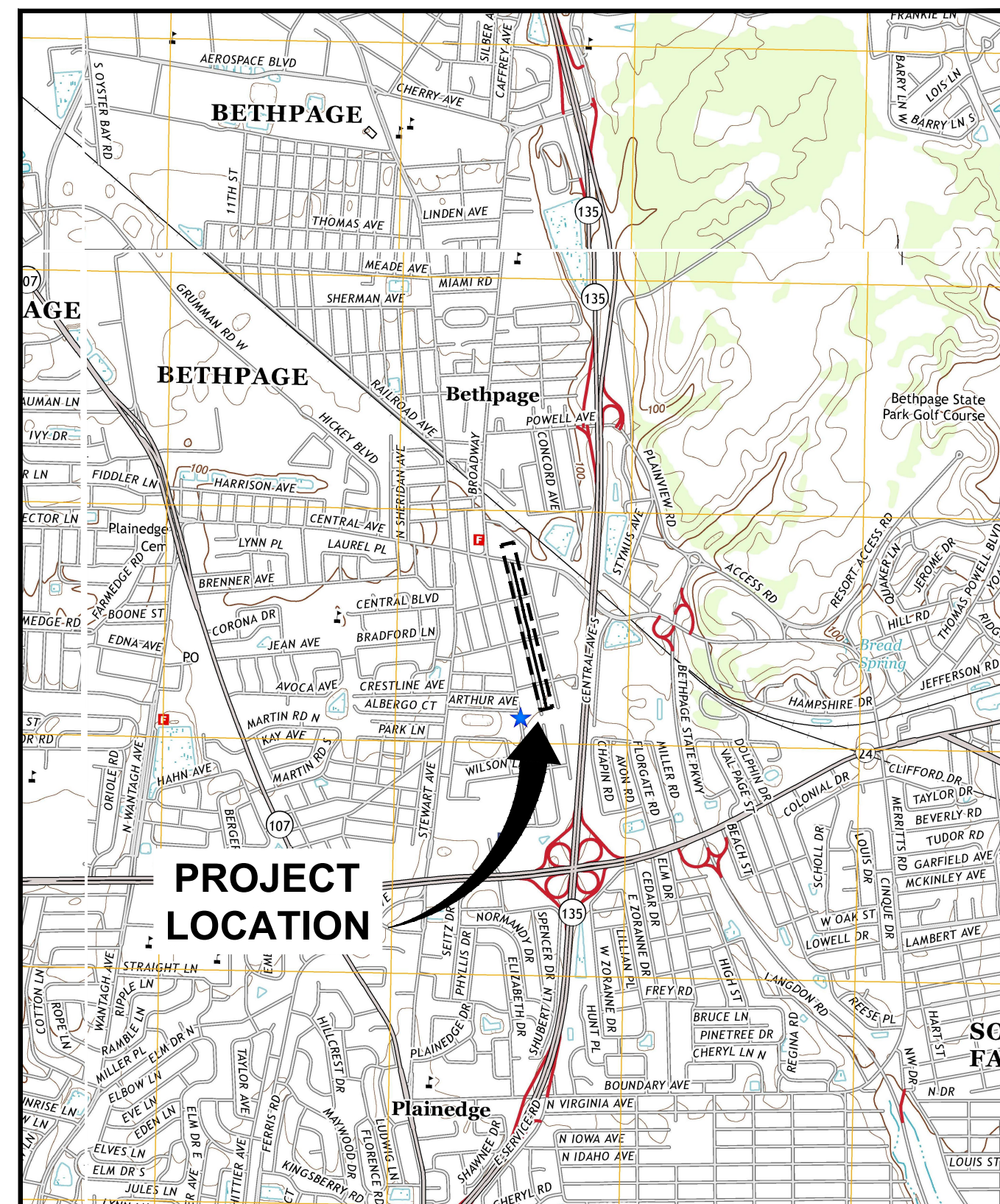
INDEX TO DRAWINGS

GENERAL

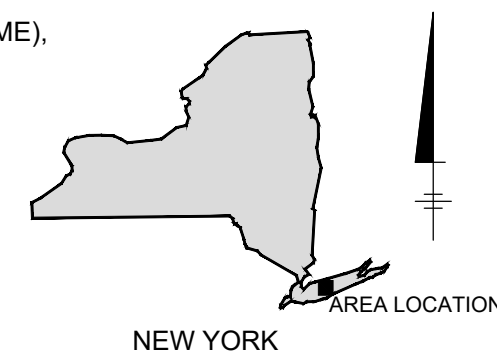
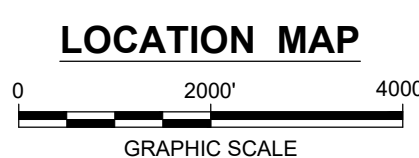
- COVER SHEET
- G-1 GENERAL NOTES AND SPECIFICATIONS
- G-2 OVERALL SITE PLAN

CIVIL

- C-1 RW-22 CONVEYANCE PIPELINE PLAN/PROFILE (STA. 1+90 - 7+00)
- C-2 RW-22 CONVEYANCE PIPELINE PLAN/PROFILE (STA. 7+00 - 12+00)
- C-3 RW-22 CONVEYANCE PIPELINE PLAN/PROFILE (STA. 12+00 - 17+00)
- C-4 RW-22 CONVEYANCE PIPELINE PLAN/PROFILE (STA. 17+00 - 22+00)
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- C-6 PIPELINE DETAILS
- C-7 MISCELLANEOUS DETAILS



REFERENCE: BASE MAP USGS 7.5 MINUTE QUADRANGLE., (QUADNAME), (ST.), (DATE)



ARCADIS OF NEW YORK, INC.

NO ALTERATIONS PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW

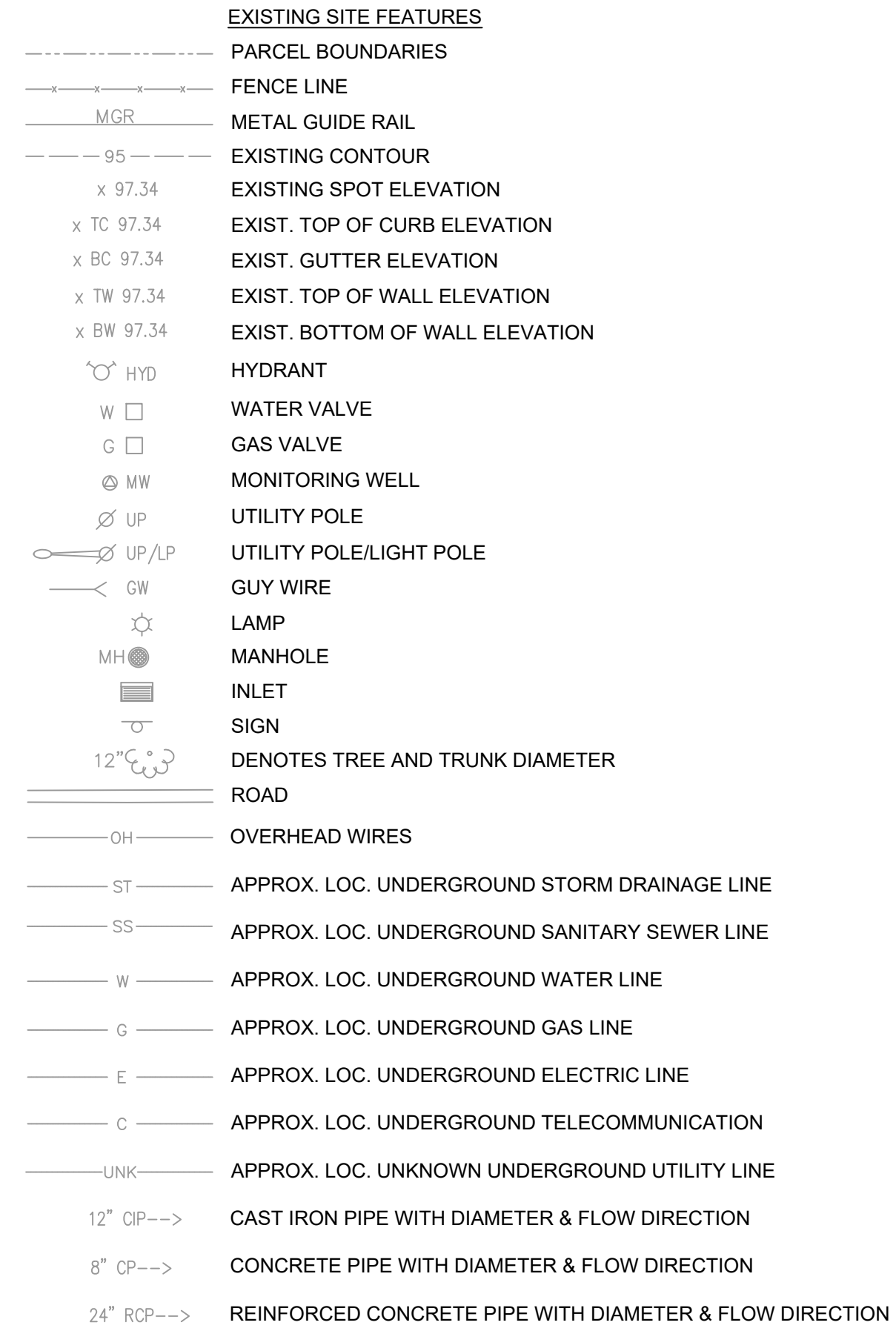
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 C:\Users\wasilevski\BIM_360\Arcadis\ANA - Northrop Grumman\Project Files\OU3\RW-21\RDRA\2019\NYNG2019.TS2001-DWG\RW21\SPD-NWINDH-OU3-60GEN-C01-02-GENERAL SITE PLAN.DWG LAYOUT: G-1 SAVED: 9/12/2019 10:40 AM ACADVER: 23.05 (LMS TECH) PAGES: 1/1
 PLOT STYLE TABLE: --- PLOTTED: 9/12/2019 11:13 AM BY: WASILEVSKI, MATT
 IMAGES: PE-SEAL-C-ENGLER-NY.tiff

GENERAL NOTES:

- BASE MAP BY GALLAS SURVEYING GROUP, 2865 U.S. ROUTE 1 NORTH BRUNSWICK, NJ 08902, DATED JULY 17, 2019, TITLED "TOPOGRAPHIC & LOCATION SURVEY - NORTH WINDHORST AVENUE", DRAWING No. G19103-NWA.DWG, AT A SCALE OF 1" = 20'. ADDITIONAL PROPERTY AND PARCEL LINE INFORMATION OBTAINED FROM NASSAU COUNTY GIS DEPARTMENT.
- LOCATION OF UNDERGROUND UTILITIES AND OTHER UNDERGROUND STRUCTURES ARE OBTAINED FROM GIS SOURCES, UTILITY DRAWINGS, AND FIELD MEASUREMENTS WHERE POSSIBLE. ALL UTILITY LOCATIONS ARE APPROXIMATE AND OTHER UNDERGROUND UTILITIES AND STRUCTURES MAY EXIST, THE LOCATION OF WHICH ARE PRESENTLY UNKNOWN.
- ACTUAL SITE FEATURES AT THE TIME OF CONSTRUCTION MAY DIFFER FROM THOSE SHOWN ON THE DESIGN DRAWINGS. THE CONTRACTOR SHALL IDENTIFY AND PROMPTLY NOTIFY THE OWNER AND ENGINEER (IN WRITING) OF ANY SUCH DIFFERENCES THAT MAY AFFECT THE PERFORMANCE OF THE WORK.
- CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH ALL PROVISIONS OF THE OWNER'S PERMIT/ACCESS AGREEMENT, TO BE PROVIDED TO CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY OTHER FEDERAL, STATE, COUNTY, AND/OR CITY-SPECIFIC PERMITS THAT MAY BE REQUIRED TO PERFORM THE WORK.
- INFORMATION RELATED TO SUBSURFACE CONDITIONS IS APPROXIMATE AND SHOULD NOT BE RELIED ON AS A COMPLETE DEPICTION OF EXISTING SITE CONDITIONS. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, INCLUDING ABOVE GRADE AND SUBSURFACE FEATURES WHETHER OR NOT SHOWN ON DESIGN DRAWINGS OR OTHERWISE DESCRIBED IN THE CONTRACT DOCUMENTS.
- THE TECHNICAL WORK AND CONTRACTOR REQUIREMENTS ARE DESCRIBED IN SEVERAL DOCUMENTS THAT COLLECTIVELY REPRESENT THE REMEDIAL DESIGN. THESE DOCUMENTS INCLUDE THE DESIGN DRAWINGS, TECHNICAL SPECIFICATIONS, TRAFFIC CONTROL PLAN, HEALTH AND SAFETY PLAN, CAMP, CQAP, CERP, AND CONTINGENCY PLAN. THESE DOCUMENTS SHOULD BE THOROUGHLY REVIEWED BY THE CONTRACTOR. ANY DISCREPANCIES IDENTIFIED BY THE CONTRACTOR BETWEEN THE INFORMATION PRESENTED IN THE ABOVE-LISTED DOCUMENTS SHALL BE SUBMITTED TO THE ENGINEER (IN WRITING) FOR CLARIFICATION.
- GRAY SHADED ITEMS REPRESENT EXISTING CONDITIONS/INFRASTRUCTURE AND ARE NOT INCLUDED IN THIS CONTRACT.
- HORIZONTAL DATUM IS NEW YORK STATE PLANE COORDINATE SYSTEM, LONG ISLAND ZONE 3104. ELEVATIONS ARE IN U.S. SURVEY FEET RELATIVE TO NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88).
- CONTRACTOR SHALL UTILIZE APPROPRIATE STAGING AND STORAGE LOCATIONS FOR ALL EQUIPMENT AND MATERIALS THROUGHOUT PROJECT DURATION. NO EQUIPMENT OR MATERIALS SHALL BE LEFT ON ANY PUBLIC ROADWAY OR PATH (I.E., SIDEWALKS) WHEN NO WORK IS BEING PERFORMED. CONTRACTOR SHALL FACTOR IN DAILY MOBILIZATION/DEMOLITION FROM STAGING AND STORAGE AREA AS PART OF THE WORK. LAYDOWN AREAS AT THE SOUTH END OF NORTH WINDHORST AVE. SHALL BE ACCESSED ONLY FROM BROADWAY. BROADWAY SHALL BE KEPT FREE OF DIRT AND DEBRIS AND LAYDOWN AREAS SHALL BE MAINTAINED IN A NEAT CONDITION AT ALL TIMES.
- STAGING AND STORAGE AREA REQUIREMENTS:
 - NO TREE REMOVAL OR BRUSH CUTTING WILL BE PERMITTED. PROTECT EXISTING FEATURES (E.G., MONITORING WELLS, MAILBOXES, SIGNS, VAULTS) FROM DAMAGE.
 - STAY ON TOWN PROPERTY AT ALL TIMES.
 - MAINTAIN EXISTING TRAVEL PATHS AND DRIVEWAYS FOR ACCESS AT ALL TIMES.
- RESIDENTIAL AND COMMERCIAL DRIVEWAY ACCESS SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY TEMPORARY ACCESS FEATURES (I.E. STEEL PLATING) TO FACILITATE VEHICLE OR PEDESTRIAN TRAFFIC.
- CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING TEMPORARY EROSION AND SEDIMENT CONTROLS IN ACCORDANCE WITH THE DRAWINGS. INSTALLATION SHALL OCCUR PRIOR TO START OF CONSTRUCTION OR ANY EARTH DISTURBANCE ACTIVITIES. ADDITIONAL EROSION AND SEDIMENT CONTROLS NOT SHOWN ON THE DRAWINGS MAY BE REQUIRED DUE TO SITE CONDITIONS ENCOUNTERED AT TIME OF CONSTRUCTION. CONTRACTOR SHALL NOT REMOVE ANY TEMPORARY EROSION AND SEDIMENT CONTROLS UNTIL FINAL RESTORATION ACTIVITIES HAVE BEEN SATISFACTORILY COMPLETED.

UTILITY NOTES:

- THE LOCATIONS, ALIGNMENTS, AND CONSTRUCTION OF UTILITIES SHOWN ON THE DESIGN DRAWINGS ARE APPROXIMATE AND BASED ON INFORMATION READILY AVAILABLE TO THE OWNER/ENGINEER. THE CONTRACTOR SHALL VERIFY THE PRESENCE AND LOCATION OF ALL OVERHEAD/UNDERGROUND SITE FEATURES AND UTILITIES RELEVANT TO AND POTENTIALLY TO BE ENCOUNTERED DURING THE WORK. ADDITIONAL SITE FEATURES AND UTILITIES MAY BE PRESENT THAT ARE NOT SHOWN ON THE DESIGN DRAWINGS.
- THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING/COORDINATING WITH DIG SAFELY NEW YORK TO LOCATE AND IDENTIFY UNDERGROUND UTILITIES. THE DIG SAFELY NEW YORK PHONE NUMBER IS 811; THE WEBSITE IS WWW.DIGSAFELYNEWYORK.COM.
- THE CONTRACTOR IS RESPONSIBLE FOR SUBCONTRACTING/COORDINATING WITH AN APPROPRIATE PRIVATE UTILITY LOCATOR TO LOCATE AND IDENTIFY UNDERGROUND UTILITIES WITHIN PROPERTY LIMITS. OVERHEAD UTILITY LOCATIONS SHALL BE MARKED OUT ON THE GROUND SURFACE WHERE CLEARANCE BETWEEN EQUIPMENT AND OVERHEAD LINES IS REQUIRED.
- EXCEPT WHERE NOTED OR AS OTHERWISE INDICATED IN THE REMEDIAL DESIGN, THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE AND PROTECTION OF ALL OVERHEAD/UNDERGROUND SITE FEATURES AND UTILITIES THAT MAY BE AFFECTED BY THE WORK. ALL UTILITIES, UNLESS STATED OTHERWISE, SHALL REMAIN IN OPERATION FOR THE DURATION OF THE WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING/COORDINATING WITH THE APPROPRIATE UTILITY COMPANIES FOR THE TEMPORARY BRACING, REMOVAL, RELOCATION, AND/OR REPLACEMENT OF ANY UTILITIES, UTILITY POLES, OR GUY WIRES.
- THE CONTRACTOR SHALL COORDINATE WITH APPLICABLE UTILITY COMPANIES TO OBTAIN TEMPORARY UTILITY SERVICES TO SUPPORT REMEDIAL CONSTRUCTION ACTIVITIES IF NECESSARY.
- IF THE CONTRACTOR DAMAGES EXISTING UTILITY EQUIPMENT OR STRUCTURES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE UTILITY COMPANY OR MUNICIPALITY AND FULLY REPAIRING DAMAGES IN ACCORDANCE WITH THE REQUIREMENTS OF THE UTILITY COMPANY / MUNICIPALITY.
- ALL WORK AROUND EXISTING UTILITIES TO CONFIRM WITH THE CODE RULE 57 AND EXTRACTS OF THE LABOR LAW, SECTION 202-H, HIGH-VOLTAGE PROXIMITY ACT.
- IN THE EVENT OF A UTILITY STRIKE THAT CAUSES DAMAGE TO AN EXISTING UTILITY, CONTRACTOR MUST IMMEDIATELY STOP WORK UNTIL A FULL SOLUTION IS AGREED ON BY CONTRACTOR, ENGINEER AND APPLICABLE UTILITY COMPANY. ANY SCHEDULE DELAYS RELATED TO THE UTILITY STRIKE MAY NOT BE CONSIDERED PART OF A LOST TIME CLAIM AND CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS TO DAMAGED UTILITY AT NO ADDITIONAL COST TO THE OWNER AND ENGINEER. NO EXTENSIONS OF SCHEDULE SHALL BE GRANTED TO THE CONTRACTOR FOR LOST TIME DUE TO A UTILITY STRIKE AND CONTRACTOR SHALL BE RESPONSIBLE TO MAKE UP ANY SCHEDULE DELAYS AT THEIR OWN COST.

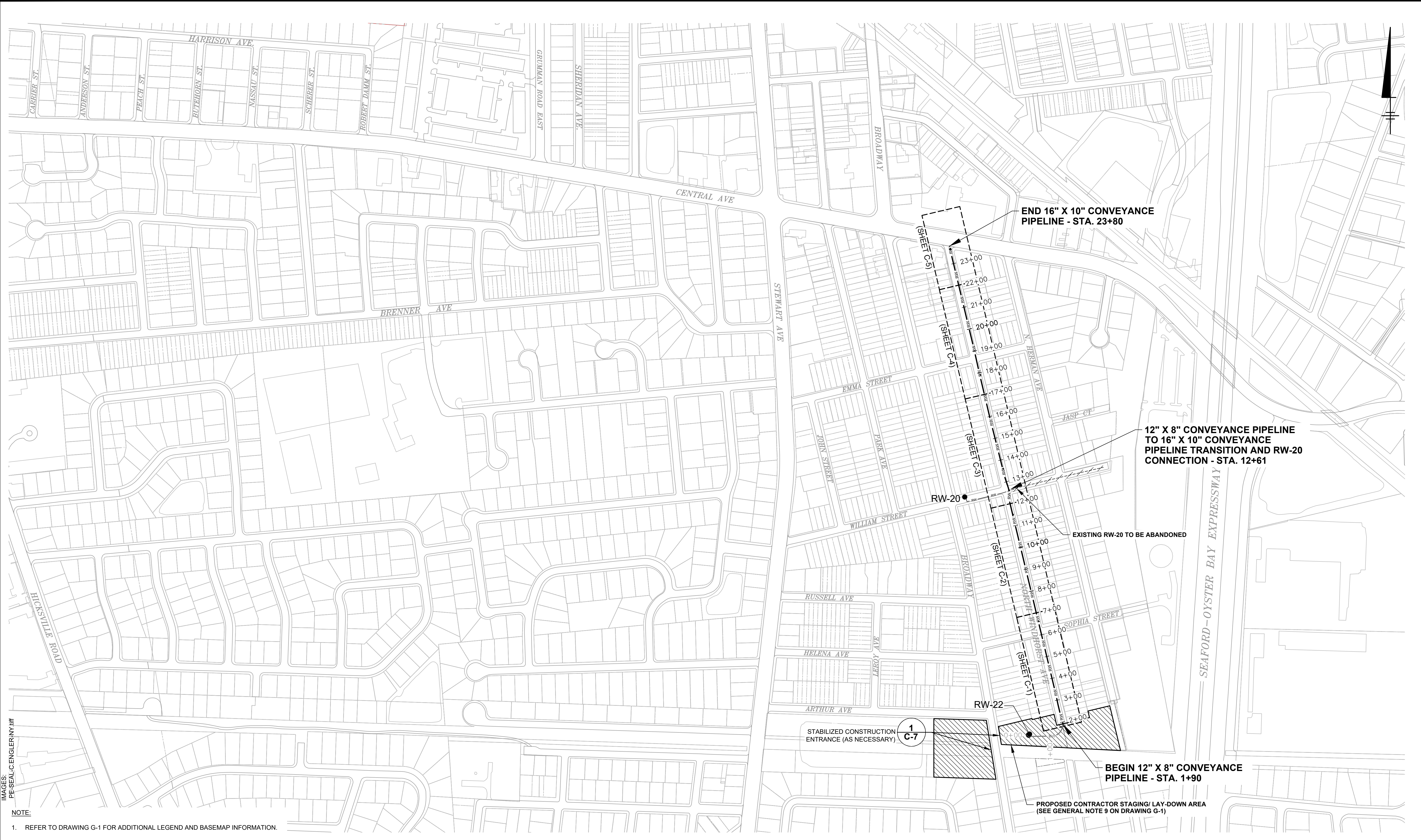


ABBREVIATIONS

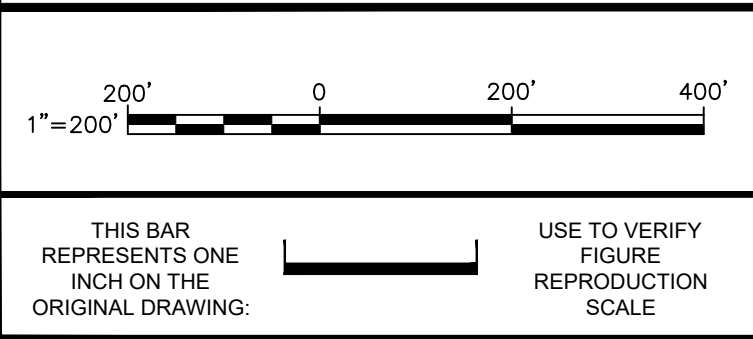
ASPH	ASPHALT
BBC	BELGIAN BLOCK CURB
BOT	BOTTOM OF STRUCTURE
BRK	BRICK
CC	CONCRETE CURB
CLF	CHAIN LINK FENCE
CHG	FENCE/CURB CHANGE
CONC	CONCRETE
COND	CONDUIT
DBL	DOUBLE YELLOW LINE
DWL	DASHED WHITE LINE
DC	DEPRESSED CURB
EOP	EDGE OF PAVEMENT
FWD	STRUCTURE FILLED WITH DEBRIS
GRT	GRATE
GTR	CONCRETE GUTTER
INV	INVERT
LSA	LANDSCAPED AREA
MC	METAL COVER
MF	METAL FENCE
PVR	PAVERS
TRANS	TRANSFORMER
UTIL	UTILITY
WL	WHITE LINE
WS	WHITE STRIPING
YL	YELLOW LINE
YS	YELLOW STRIPING

THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING.	USE TO VERIFY FIGURE REPRODUCTION SCALE	<table border="1"> <tr><td>1</td><td>09/12/019</td><td>ISSUED FOR BID</td><td>MW</td><td>JM</td></tr> <tr><td>No.</td><td>Date</td><td>Revisions</td><td>By</td><td>Ckd</td></tr> </table>	1	09/12/019	ISSUED FOR BID	MW	JM	No.	Date	Revisions	By	Ckd	Professional Engineer's Name CHRISTOPHER ENGLER Professional Engineer's No. 069748 State NY		<p>ARCADIS OF NEW YORK, INC.</p> <p>NO ALTERATIONS PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW</p>	NORTHROP GRUMMAN SYSTEMS CORPORATION • OPERABLE UNIT 3 • BETHPAGE, NEW YORK RW-21 AREA TREATMENT SYSTEM INFLUENT PIPELINE NORTH WINDHORST AVENUE <h1 style="margin: 0;">GENERAL NOTES AND SPECIFICATIONS</h1> <p>GENERAL</p>	ARCADIS Project No. NYNG2019.TS20.30PE3 Date SEPTEMBER 2019 ARCADIS 2 HUNTINGTON QUADRANGLE SUITE 1S10 MELVILLE, NEW YORK TEL. 631.249.7600	<h1 style="font-size: 2em; margin: 0;">G-1</h1>
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NOTE:
 1. REFER TO DRAWING G-1 FOR ADDITIONAL LEGEND AND BASEMAP INFORMATION.



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 State: NY Date Signed: Project Mgr: JM
 Designed by: SS Drawn by: MW Checked by: JM



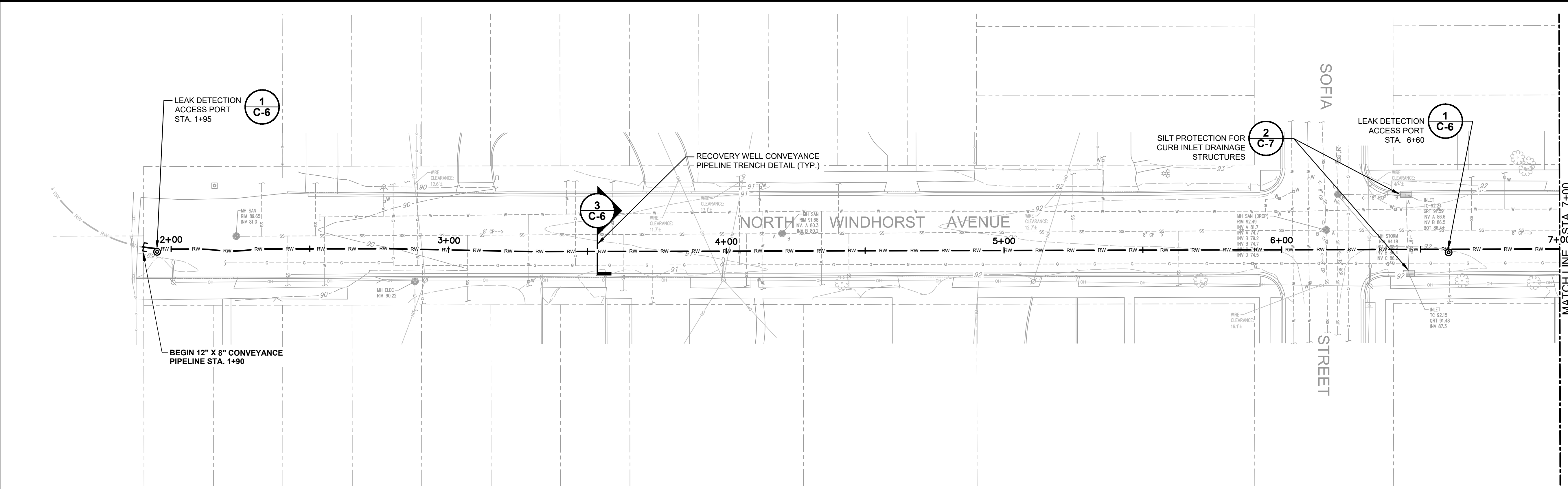
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 RW-21 AREA TREATMENT SYSTEM INFLUENT PIPELINE
 NORTH WINDHORST AVENUE
OVERALL SITE PLAN
 GENERAL

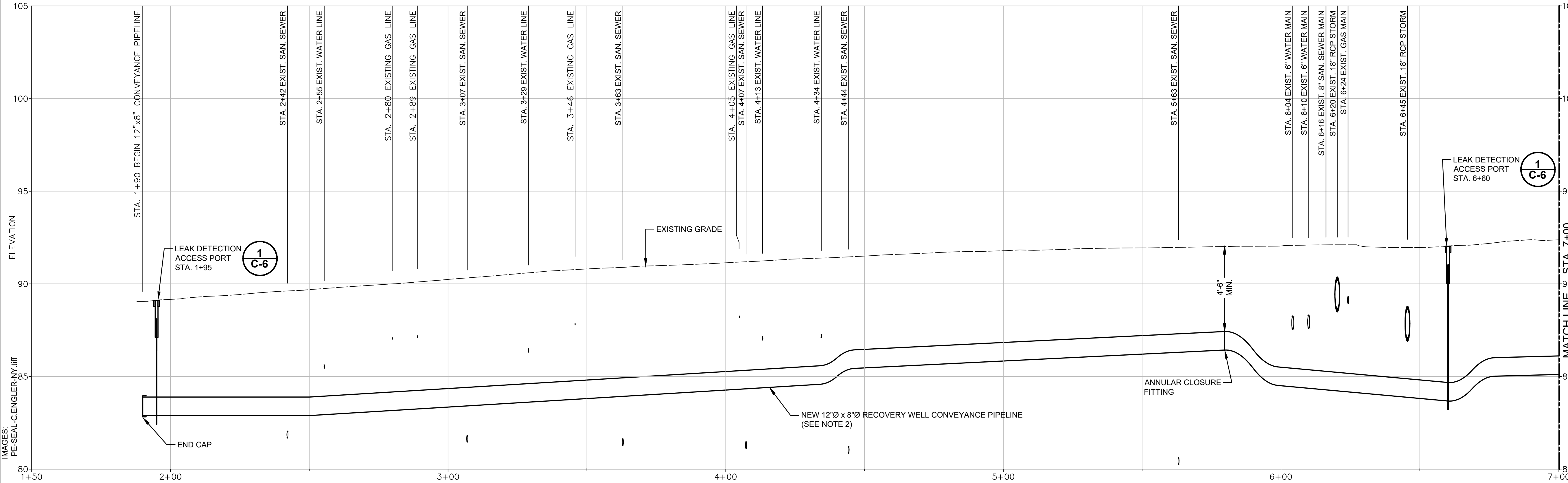
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G-2

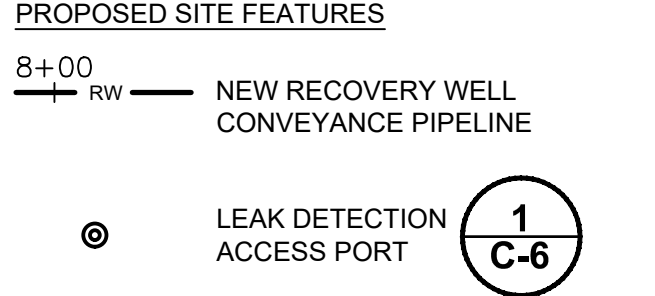
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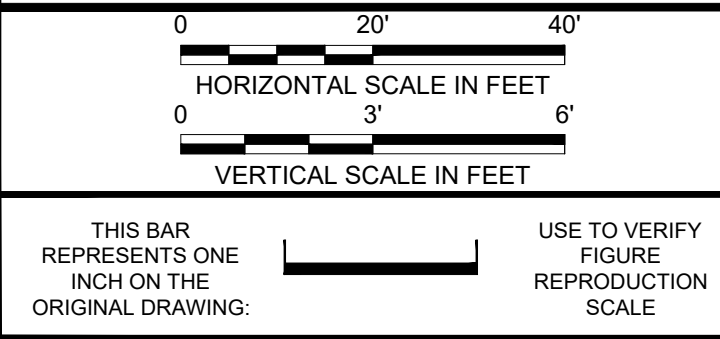
PLAN



PROFILE



- NOTES:
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 - NEW PIPELINE WILL CONSIST OF APPROXIMATELY 2,190 LINEAR FEET OF DUAL-WALL, HIGH-DENSITY POLYETHYLENE (HDPE) PIPE FOR THE MAINLINE. THE PIPE WILL BE INSTALLED AT A DEPTH OF MINIMUM 4.5- FEET BELOW LAND SURFACE (TOP OF PIPE). PIPELINE BENDING IS BASED ON MINIMUM BEND RADIUS OF 50 TIMES THE OUTSIDE DIAMETER OF PE4710 DR17 PIPE. MINIMUM BEND RADIUS FOR A 12 INCH PIPE IS 50.0' AND THE MINIMUM BEND RADIUS FOR A 16 INCH PIPE IS 66.7'. CONTRACTOR SHALL UTILIZE FUSION COUPLERS FURNISHED BY OWNER FOR JOINING OF OUTSIDE CONTAINMENT PIPING SECTIONS FOR 12" X 8" HDPE CONVEYANCE PIPELINE. ALL PIPE DIAMETER SIZES ARE IPS (IRON PIPE SIZES).
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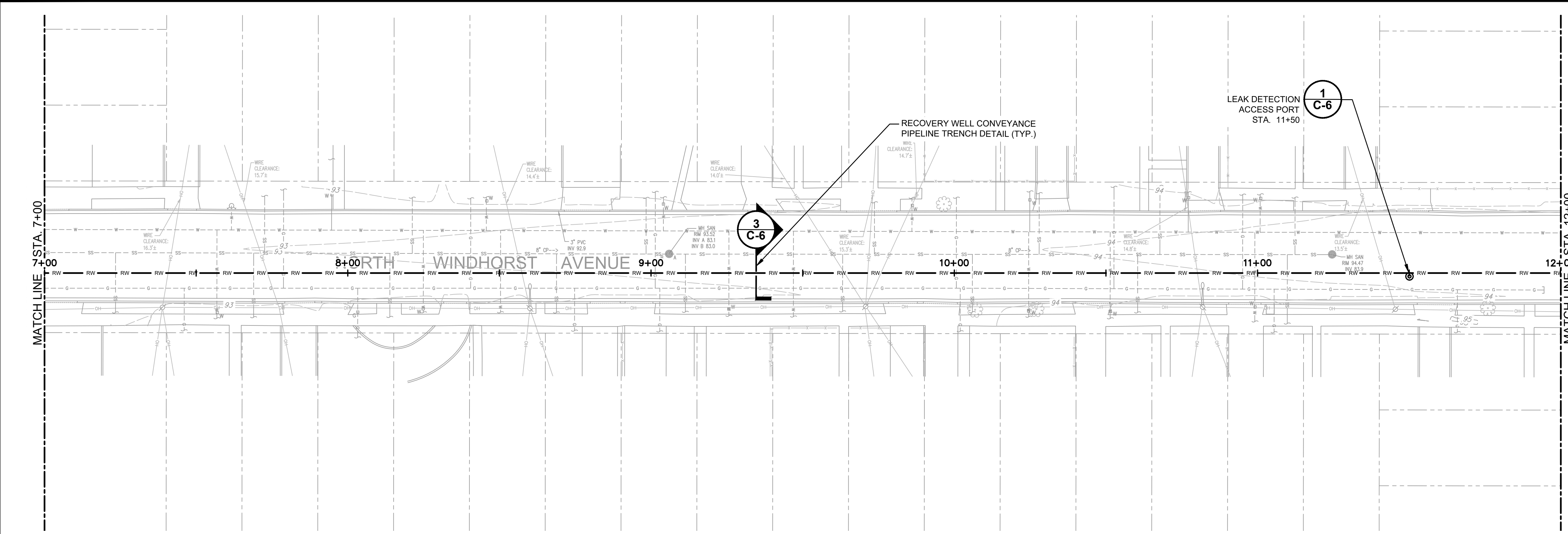
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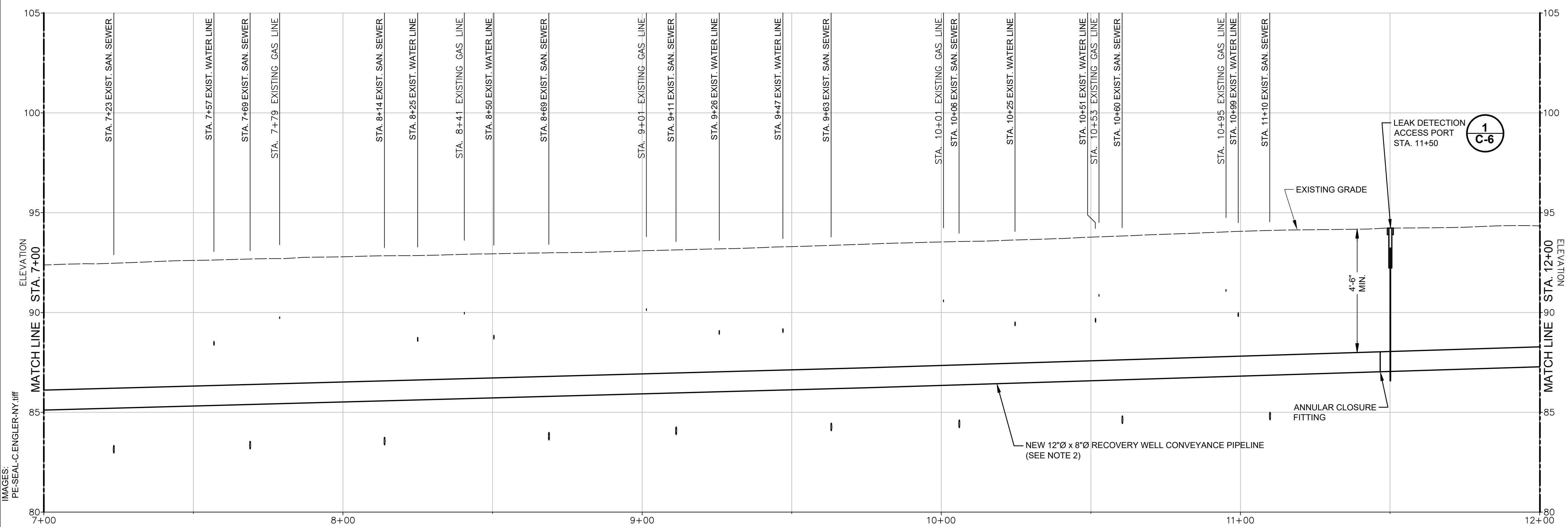
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C-1

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PLAN



PROFILE

PROPOSED SITE FEATURES

- 8+00 RW NEW RECOVERY WELL CONVEYANCE PIPELINE
- LEAK DETECTION ACCESS PORT 1 C-6

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0 20' 40'
 HORIZONTAL SCALE IN FEET
 0 3' 6"
 VERTICAL SCALE IN FEET

THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING.

USE TO VERIFY FIGURE REPRODUCTION SCALE

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Professional Engineer's Name
CHRISTOPHER ENGLER
 Professional Engineer's No.
 069748

State: NY Date Signed: Project Mgr: JM
 Designed by: SS Drawn by: MW Checked by: JM



ARCADIS Design & Consultancy for natural and built assets

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RW-21 AREA TREATMENT SYSTEM INFLUENT PIPELINE
 NORTH WINDHORST AVENUE

RW-22 CONVEYANCE PIPELINE PLAN/PROFILE
 (STA. 7+00 - 12+00)

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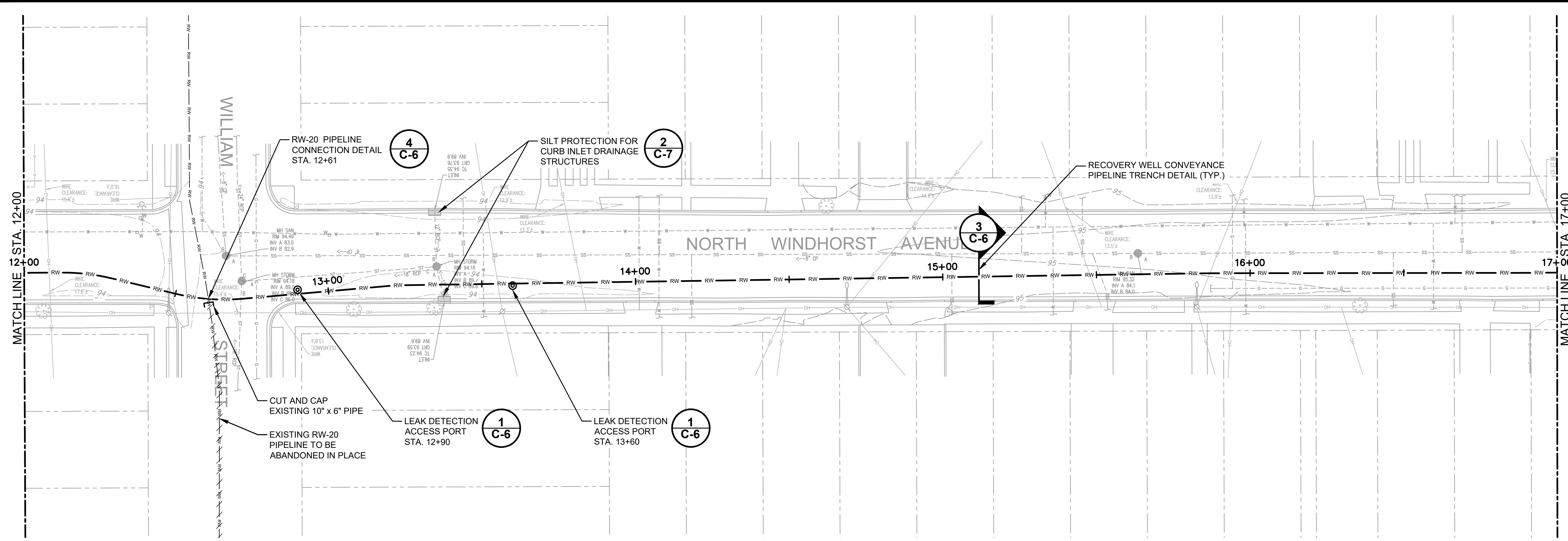
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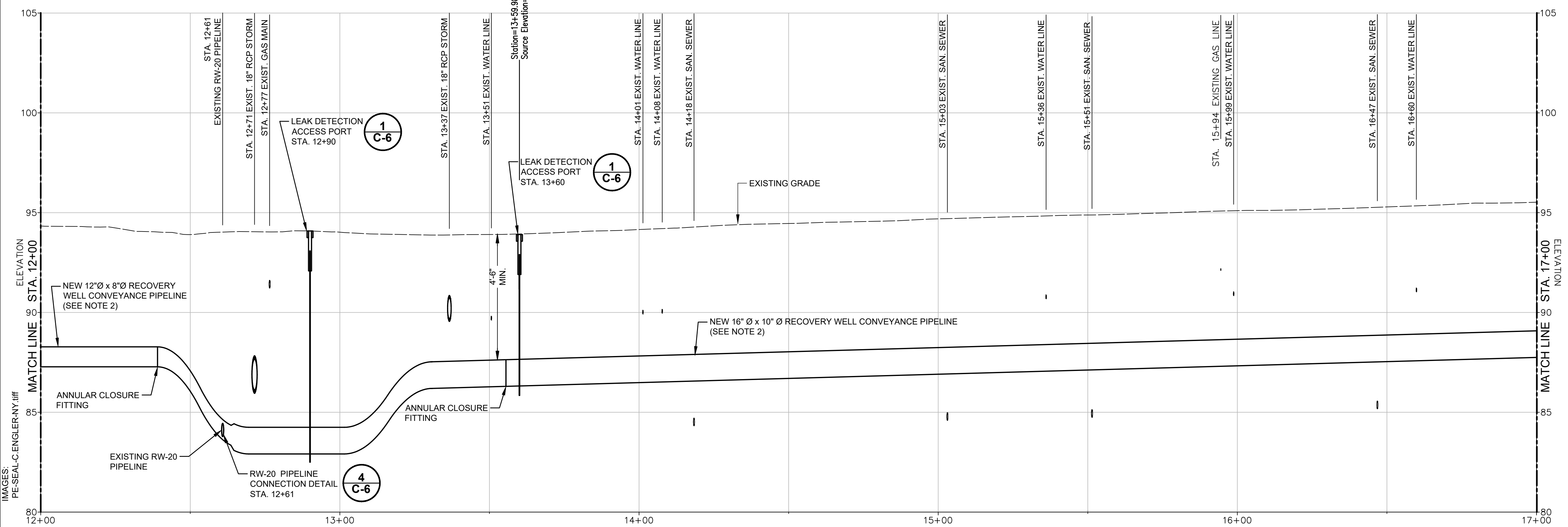
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C-2

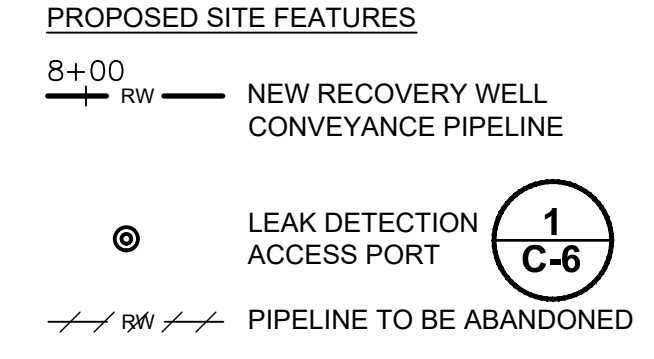
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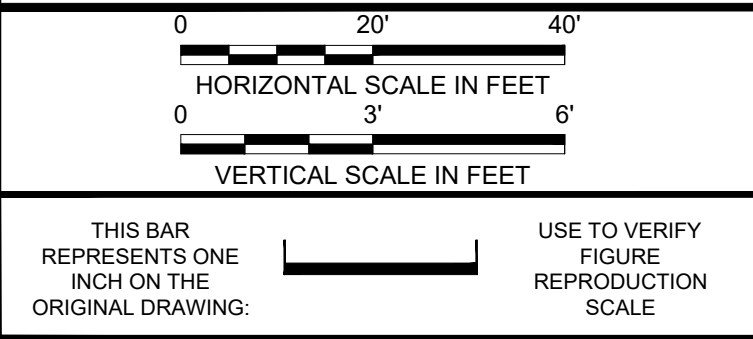
PLAN



PROFILE



- NOTES:**
- REFER TO DRAWING G-1 FOR ADDITIONAL BASEMAP LEGEND INFORMATION.
 - NEW PIPELINE WILL CONSIST OF APPROXIMATELY 2,190 LINEAR FEET OF DUAL-WALL, HIGH-DENSITY POLYETHYLENE (HDPE) PIPE FOR THE MAINLINE. THE PIPE WILL BE INSTALLED AT A DEPTH OF MINIMUM 4.5-FEET BELOW LAND SURFACE (TOP OF PIPE). PIPELINE BENDING IS BASED ON MINIMUM BEND RADIUS OF 50 TIMES THE OUTSIDE DIAMETER OF PE4710 DR17 PIPE. MINIMUM BEND RADIUS FOR A 12 INCH PIPE IS 50.0' AND THE MINIMUM BEND RADIUS FOR A 16 INCH PIPE IS 66.7'. CONTRACTOR SHALL UTILIZE FUSION COUPLERS FURNISHED BY OWNER FOR JOINING OF OUTSIDE CONTAINMENT PIPING SECTIONS FOR 12" X 8" HDPE CONVEYANCE PIPELINE. ALL PIPE DIAMETER SIZES ARE IPS (IRON PIPE SIZES).
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Revisions

No.	Date	Description	By	Ckd
1	09/12/019	ISSUED FOR BID	MW	JM

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Professional Engineer's Name
CHRISTOPHER ENGLER
 Professional Engineer's No.
 069748

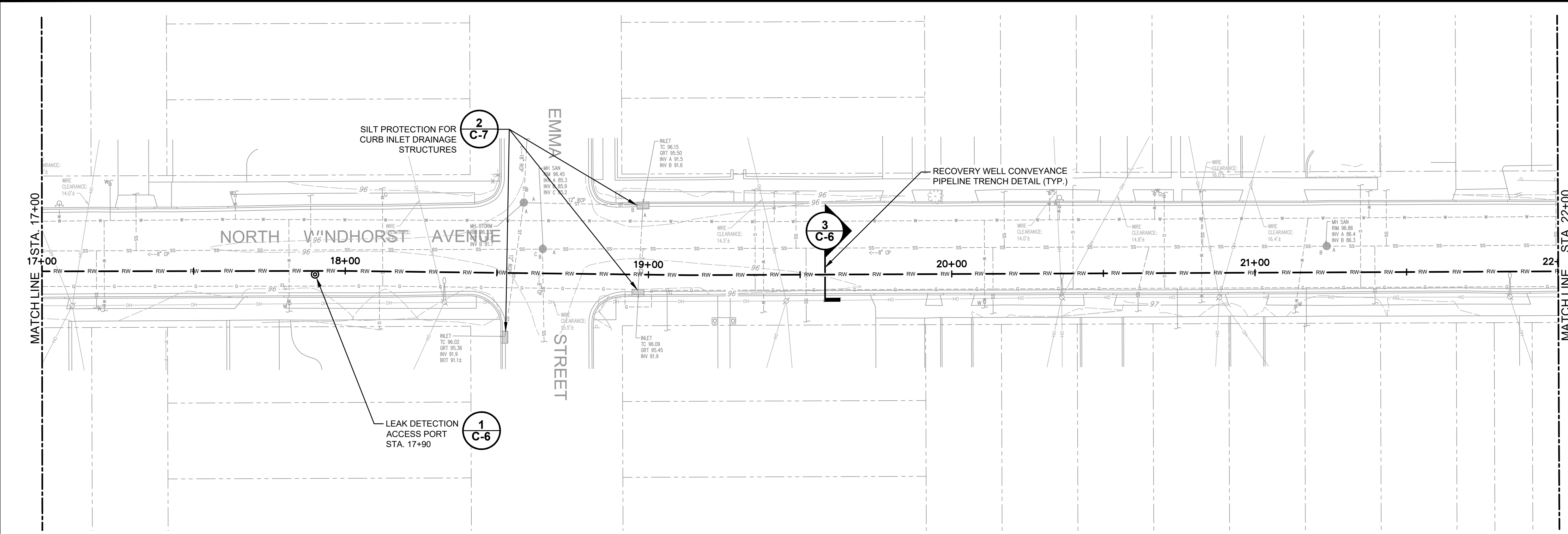


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 NORTH WINDHORST AVENUE
RW-22 CONVEYANCE PIPELINE PLAN/PROFILE
 (STA. 12+00 - 17+00)
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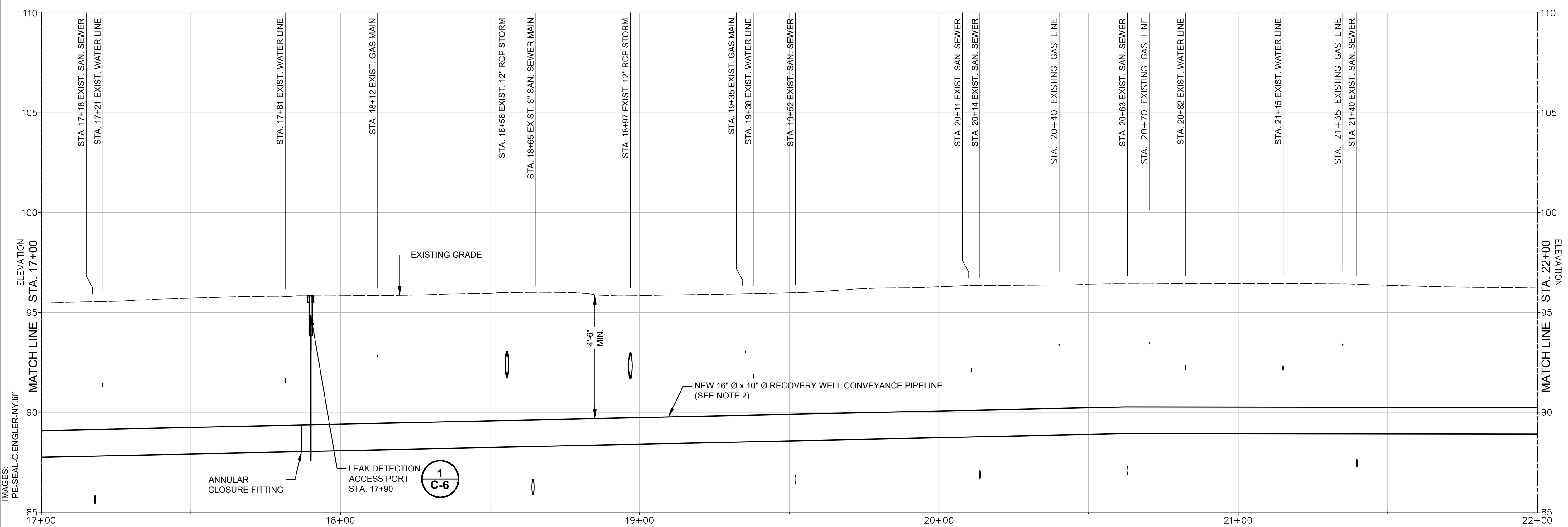
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C-3

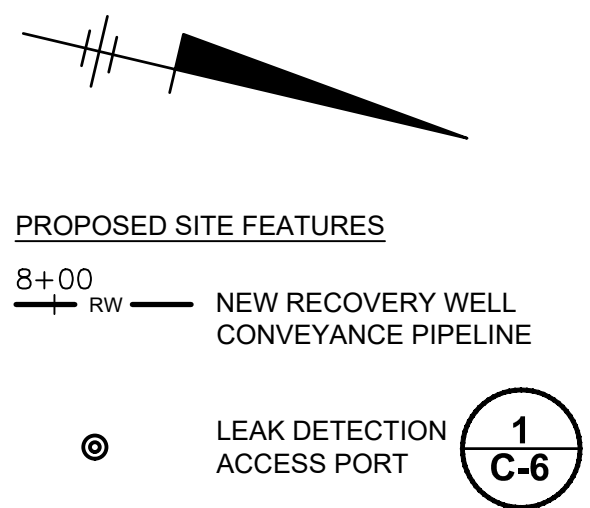
CITY: SYRACUSE, NY DIV/GROUP: IMDV DB: A.SANCHEZ, K.DAVIS LD: A.SANCHEZ, PIC: D.JOHNSTON, PM: C.SANGIOVANNI, TM: J.MORGAN, LFR: ONE*, OFF: REF*,
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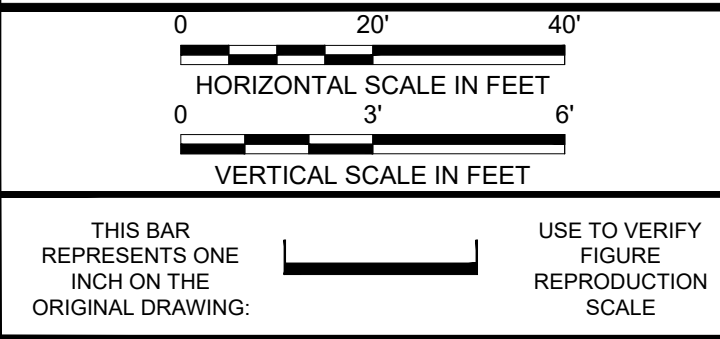
PLAN



PROFILE



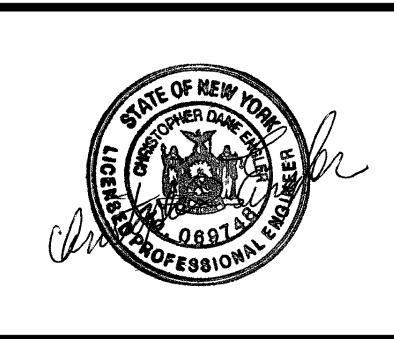
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CHRISTOPHER ENGLER
 Professional Engineer's No.
 069748
 State: NY Date Signed: Project Mgr: JM
 Designed by: SS Drawn by: MW Checked by: JM



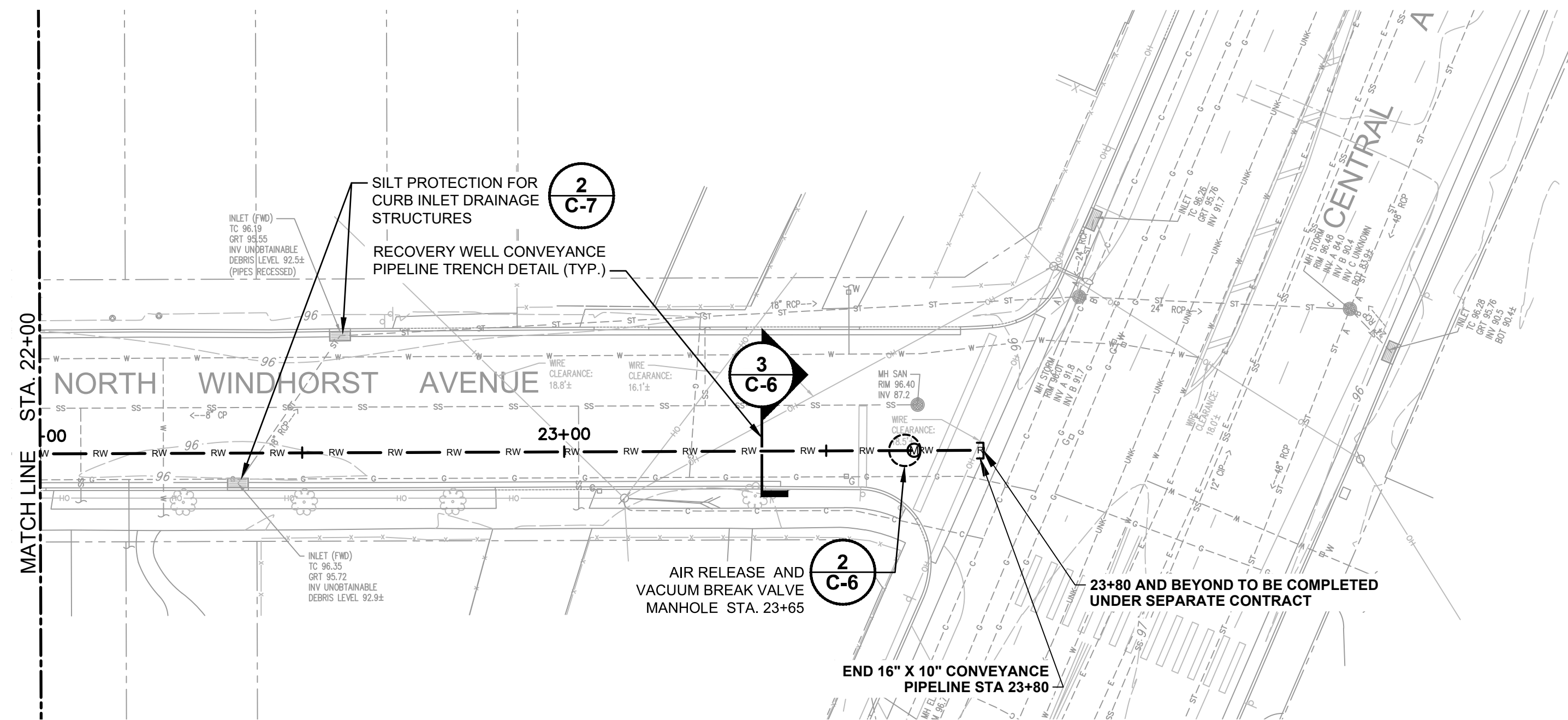
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 NORTH WINDHORST AVENUE
RW-22 CONVEYANCE PIPELINE PLAN/PROFILE
 (STA. 17+00 - 22+00)
 CIVIL

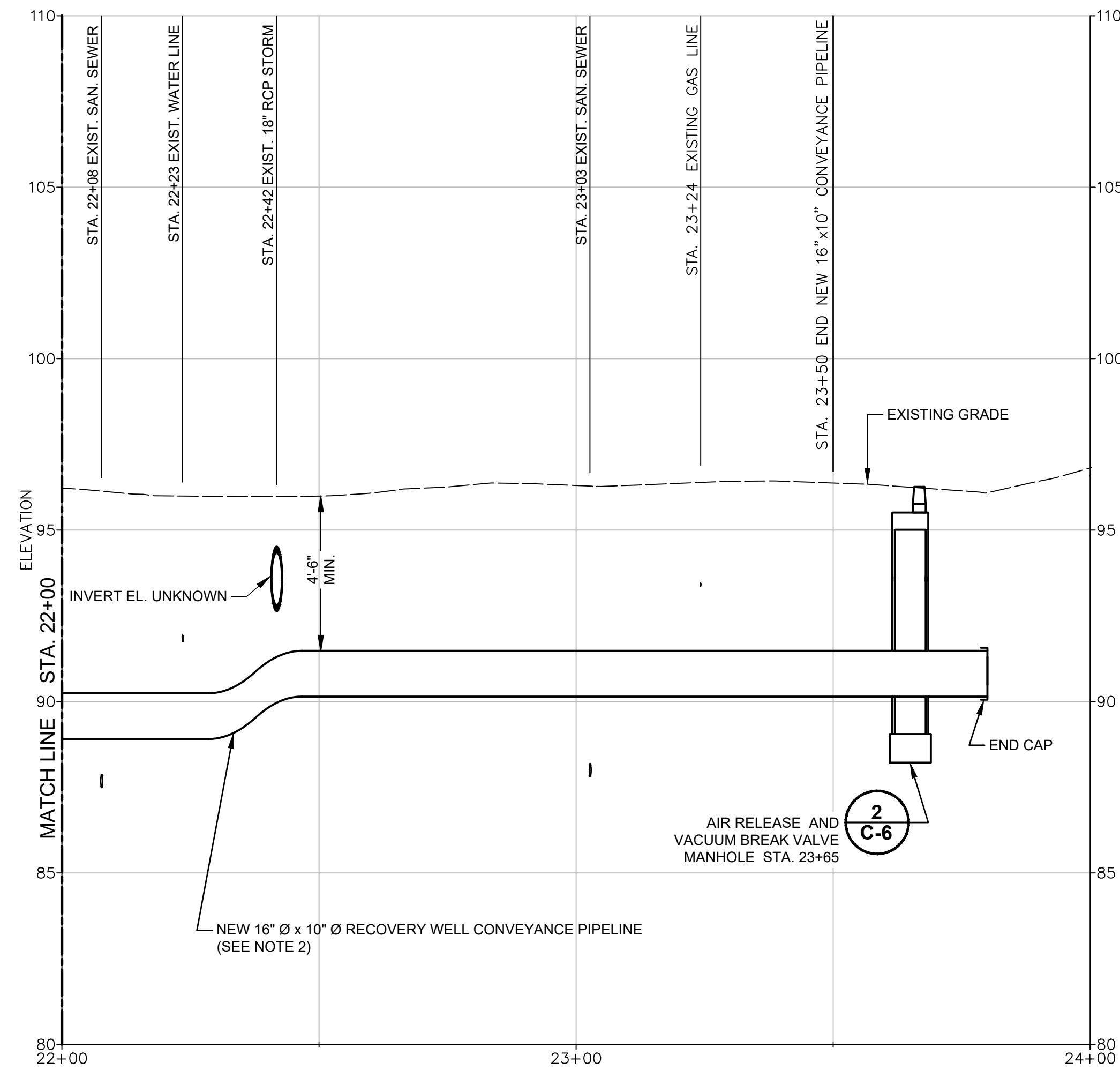
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C-4

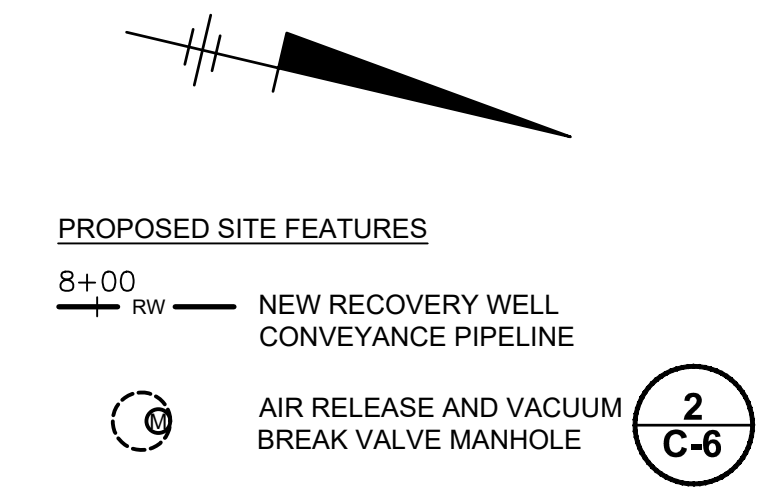
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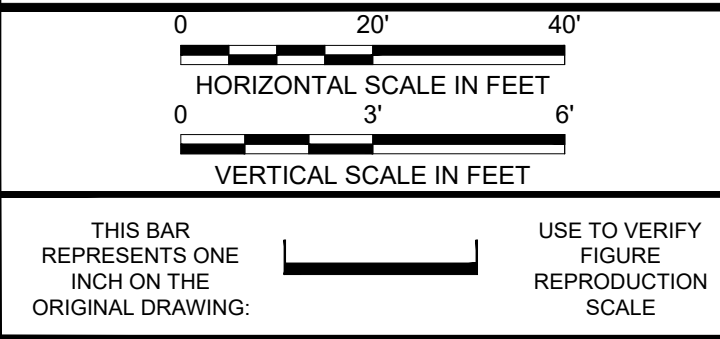
PLAN



PROFILE



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Professional Engineer's Name
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 State: NY Date Signed: Project Mgr: JM
 Designed by: SS Drawn by: MW Checked by: JM



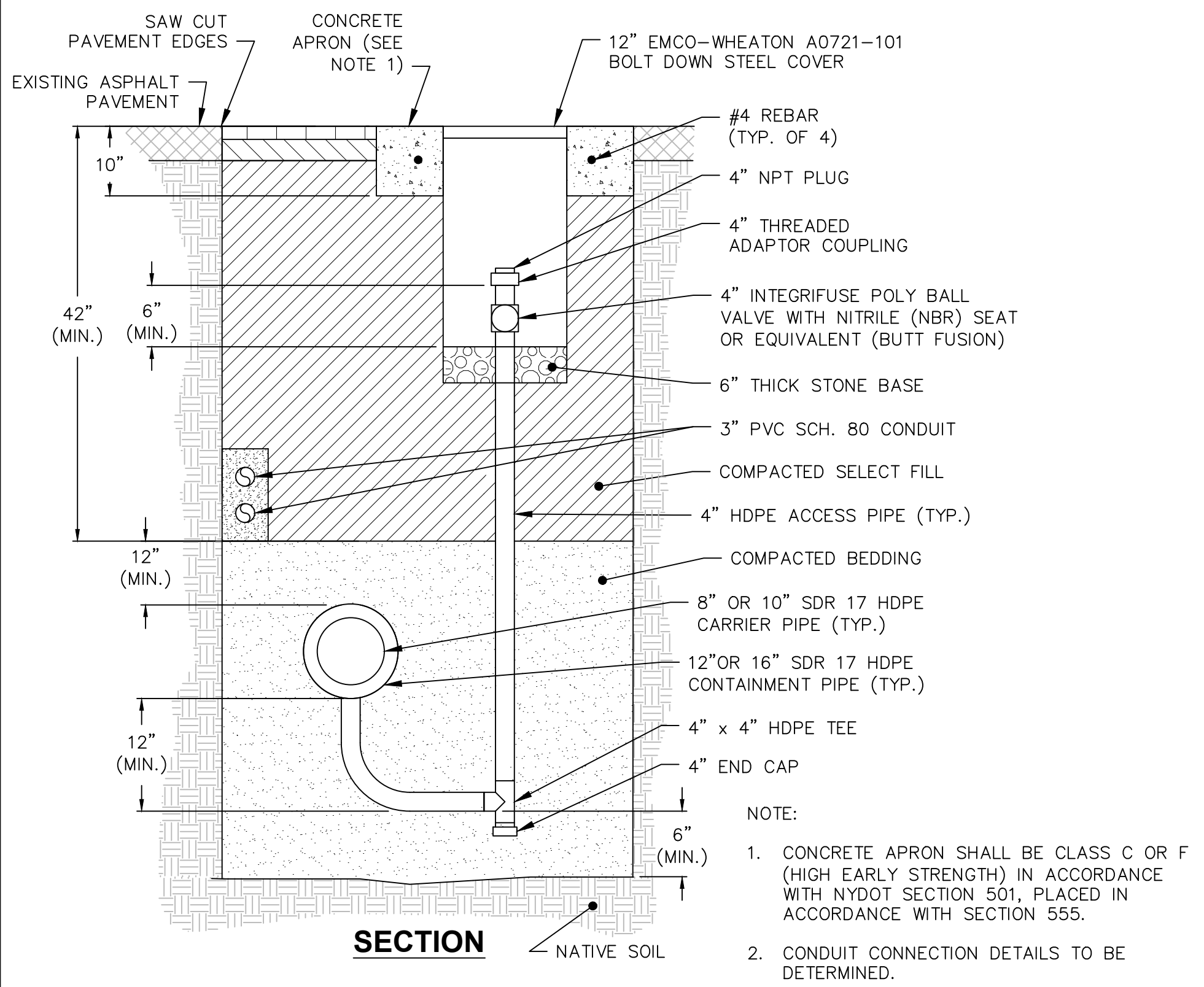
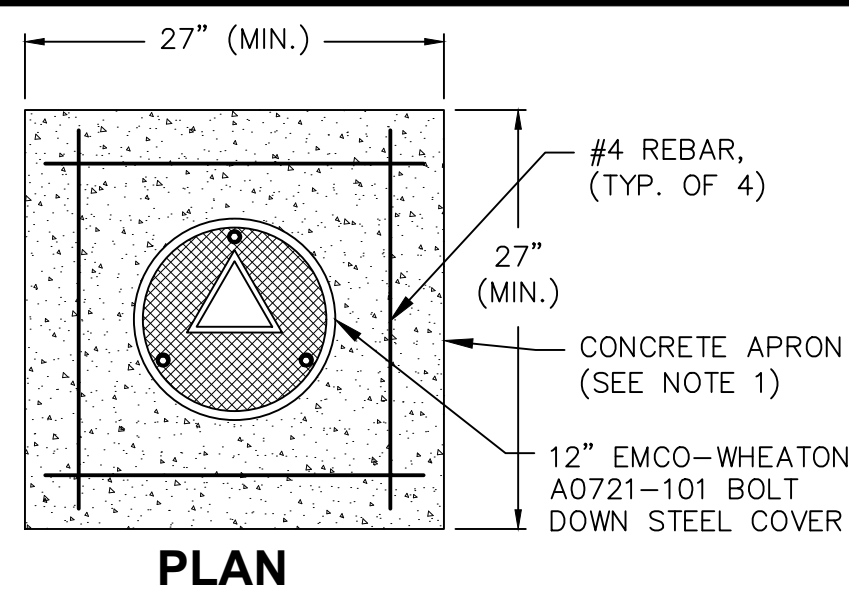
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 NORTH WINDHORST AVENUE
RW-22 CONVEYANCE PIPELINE PLAN/PROFILE
(STA. 22+00 - 23+80)
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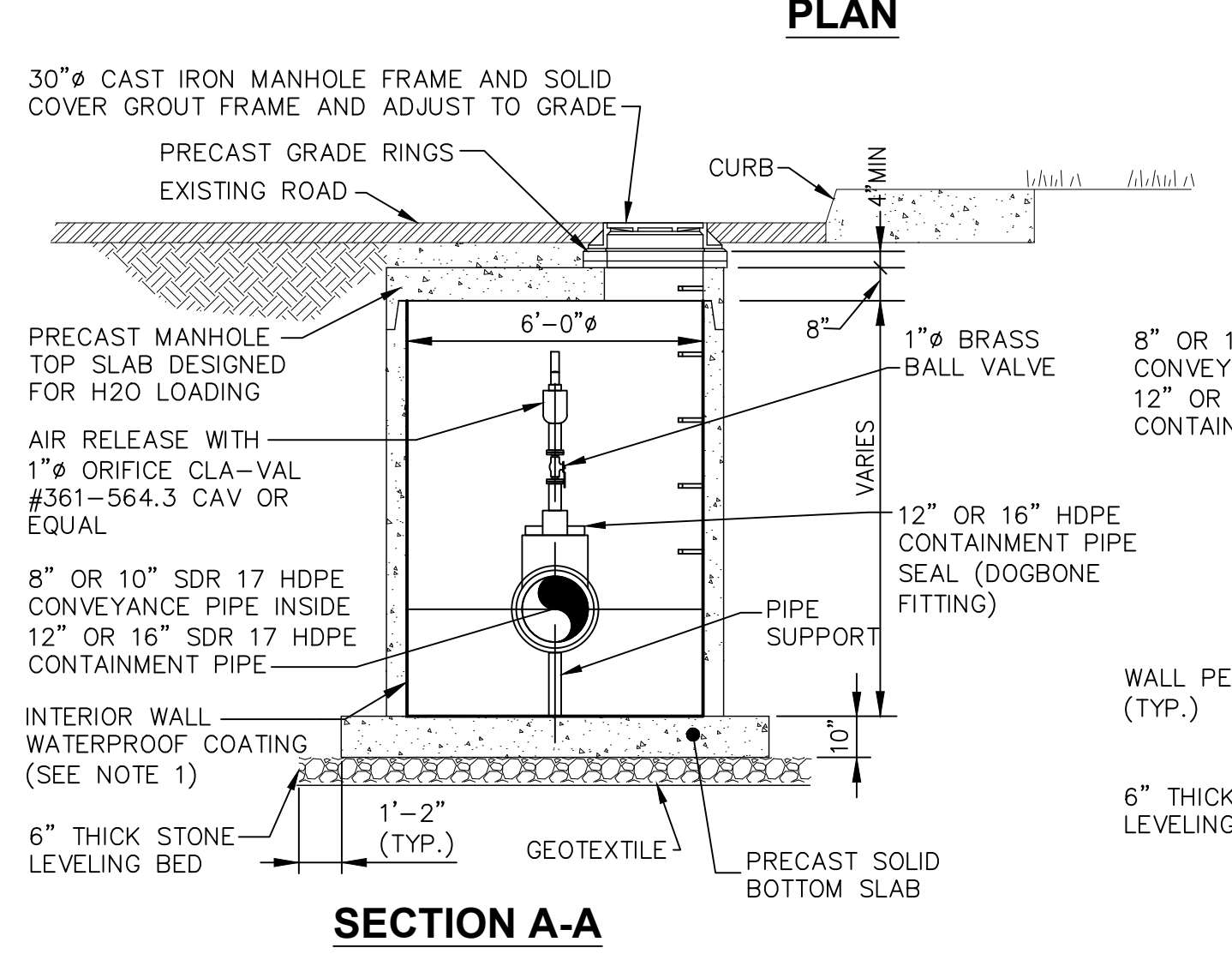
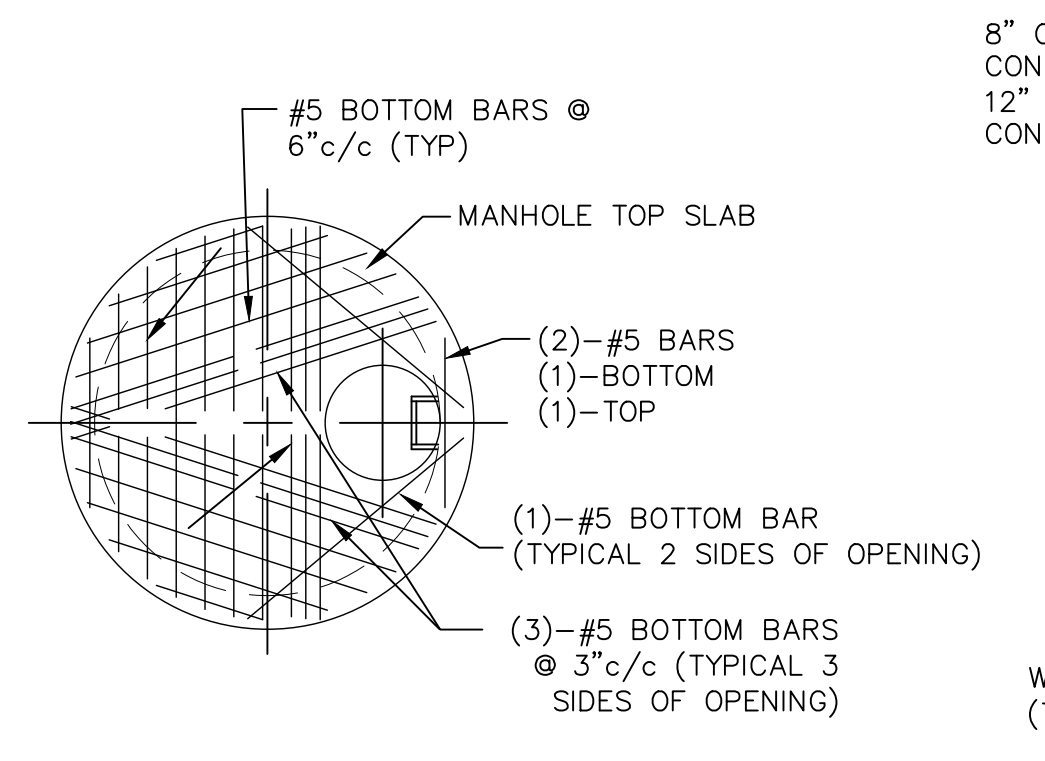
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C-5

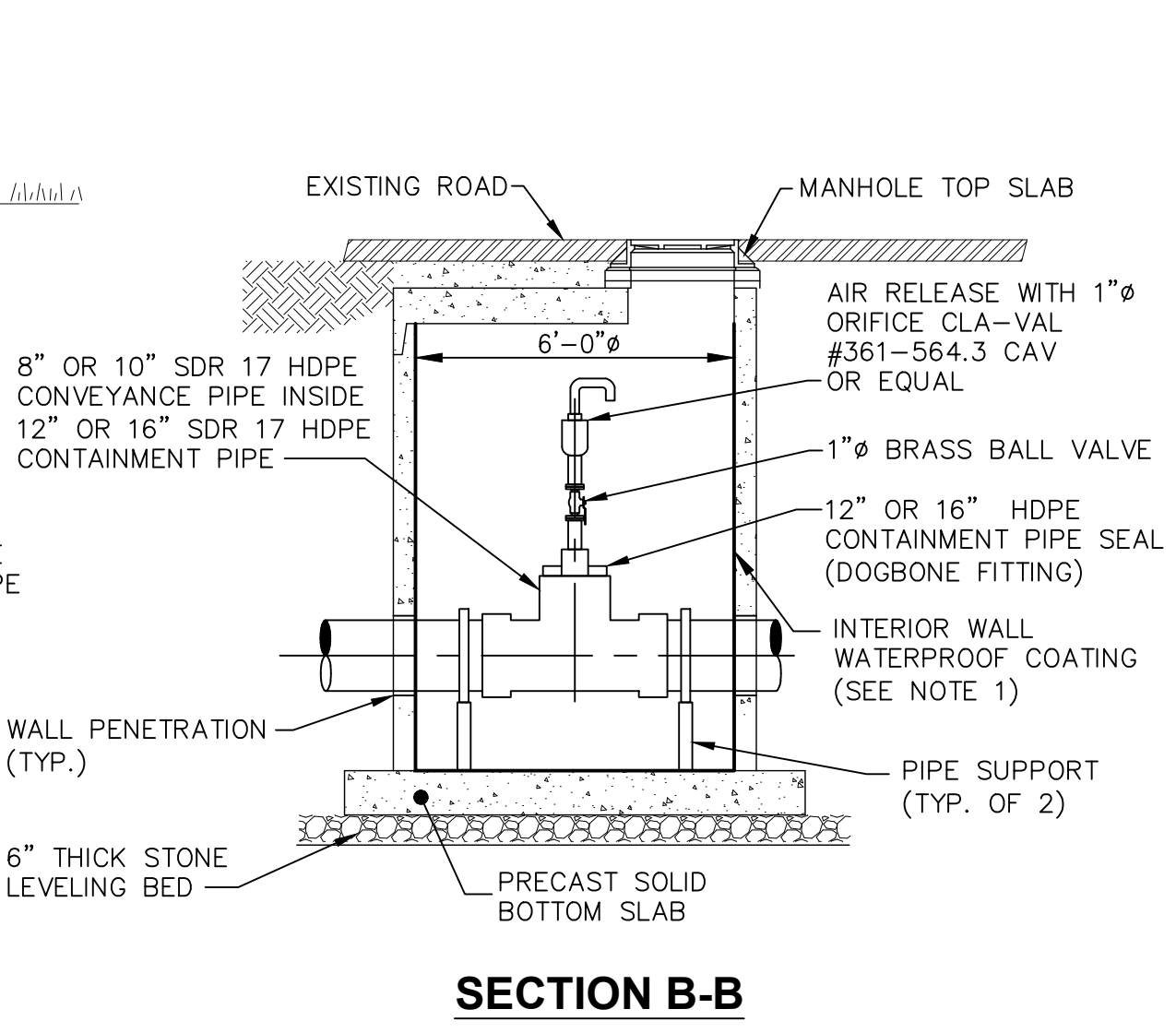
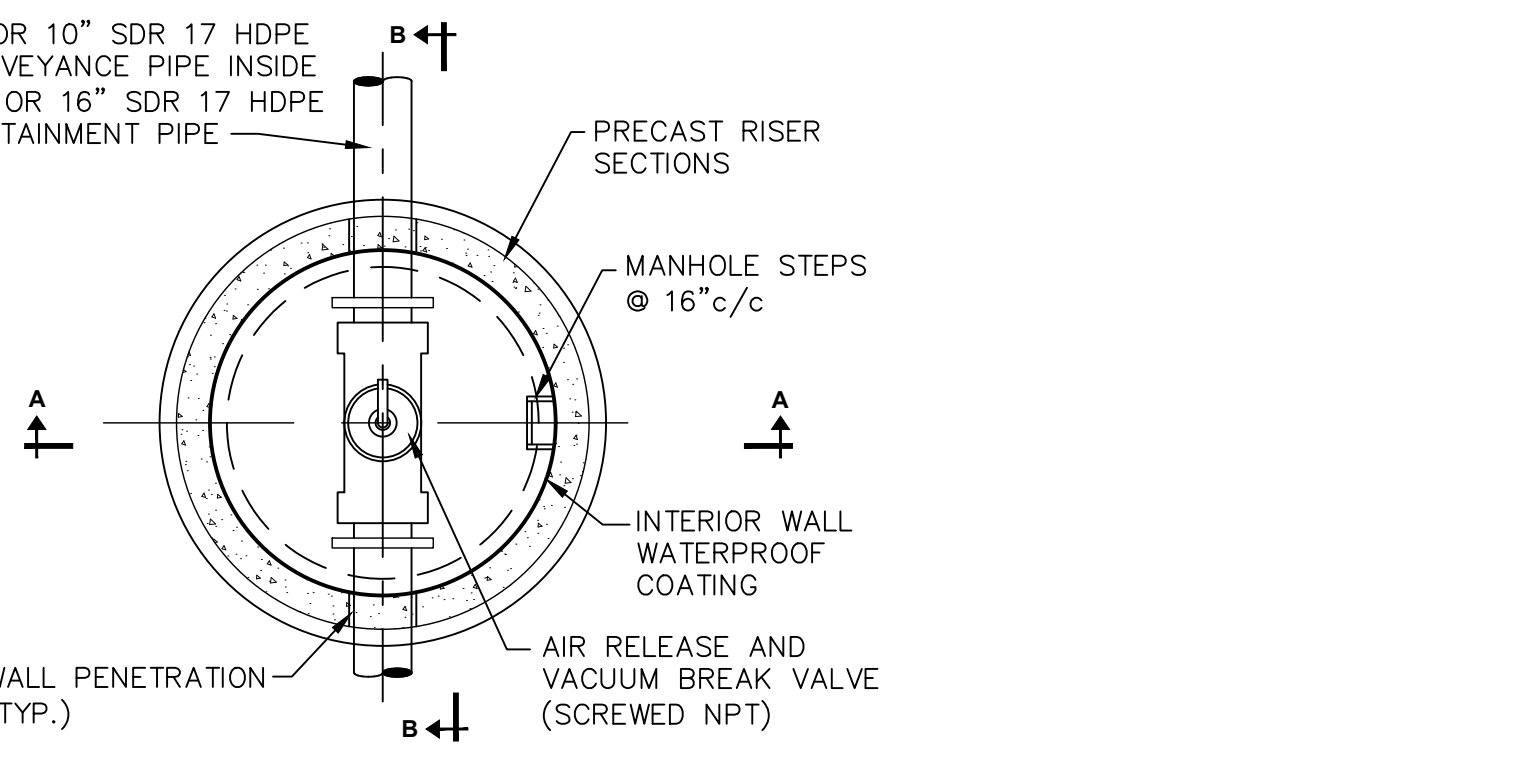
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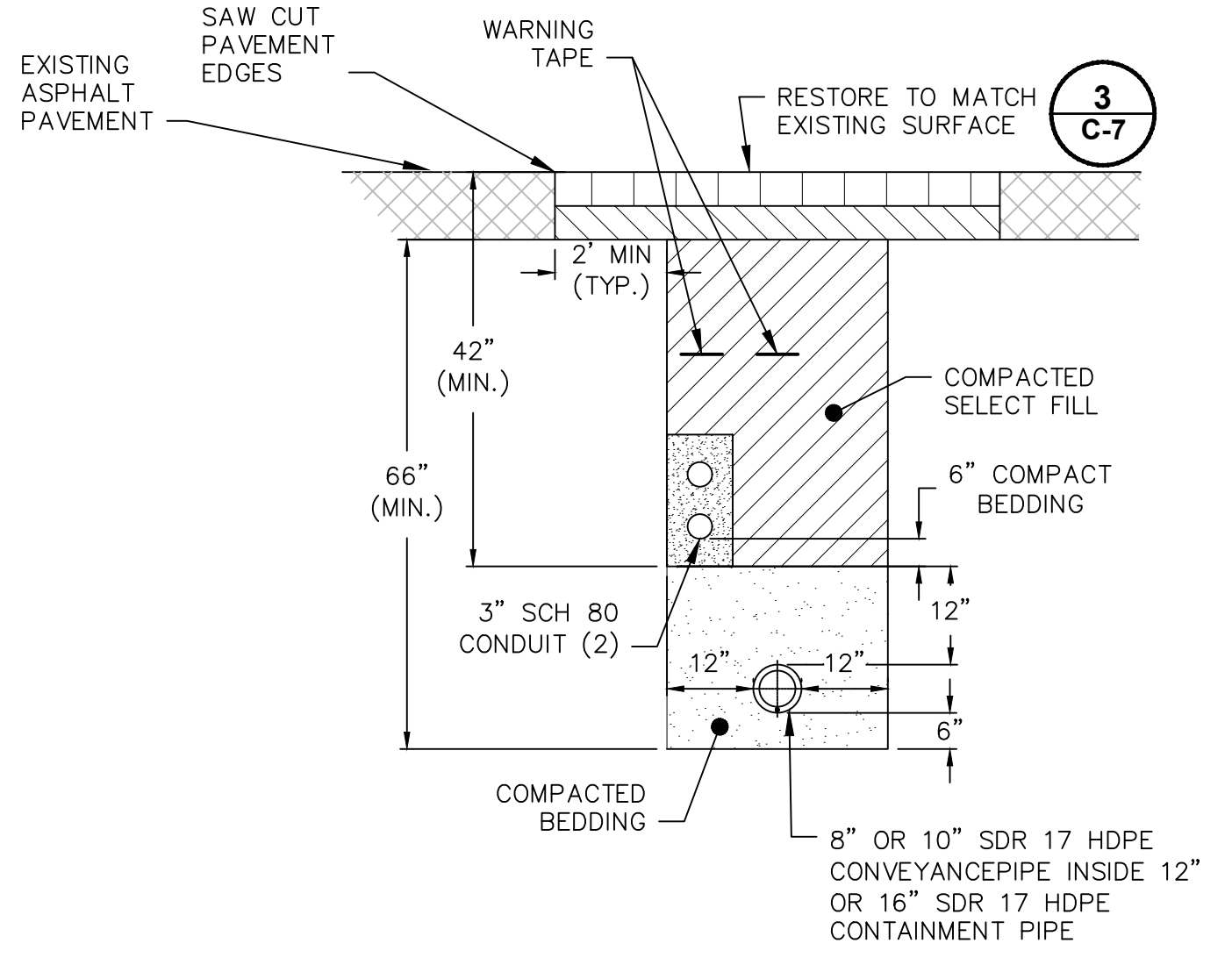
LEAK DETECTION ACCESS PORT
NOT TO SCALE



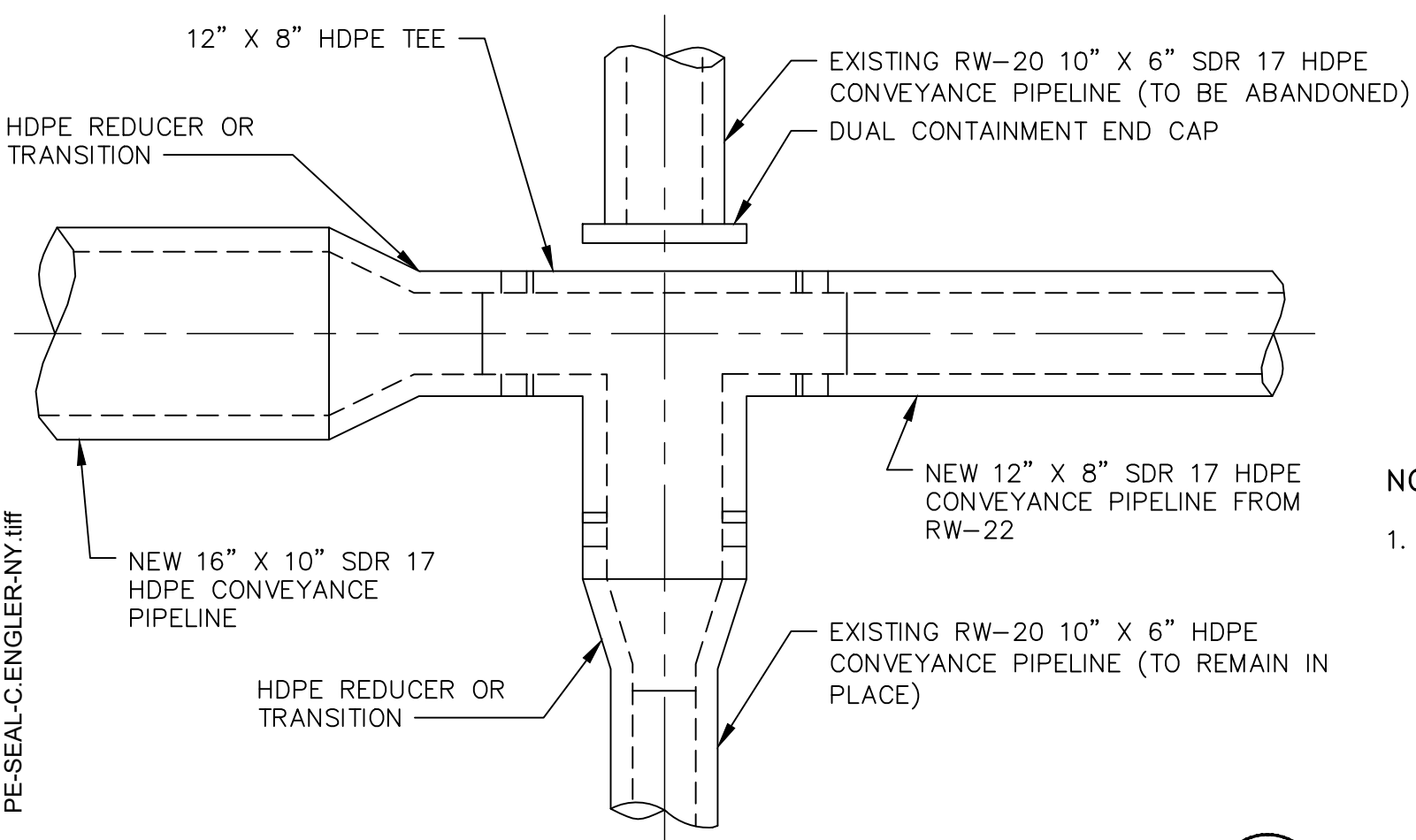
AIR RELEASE AND VACUUM BREAK VALVE MANHOLE DETAILS
NOT TO SCALE



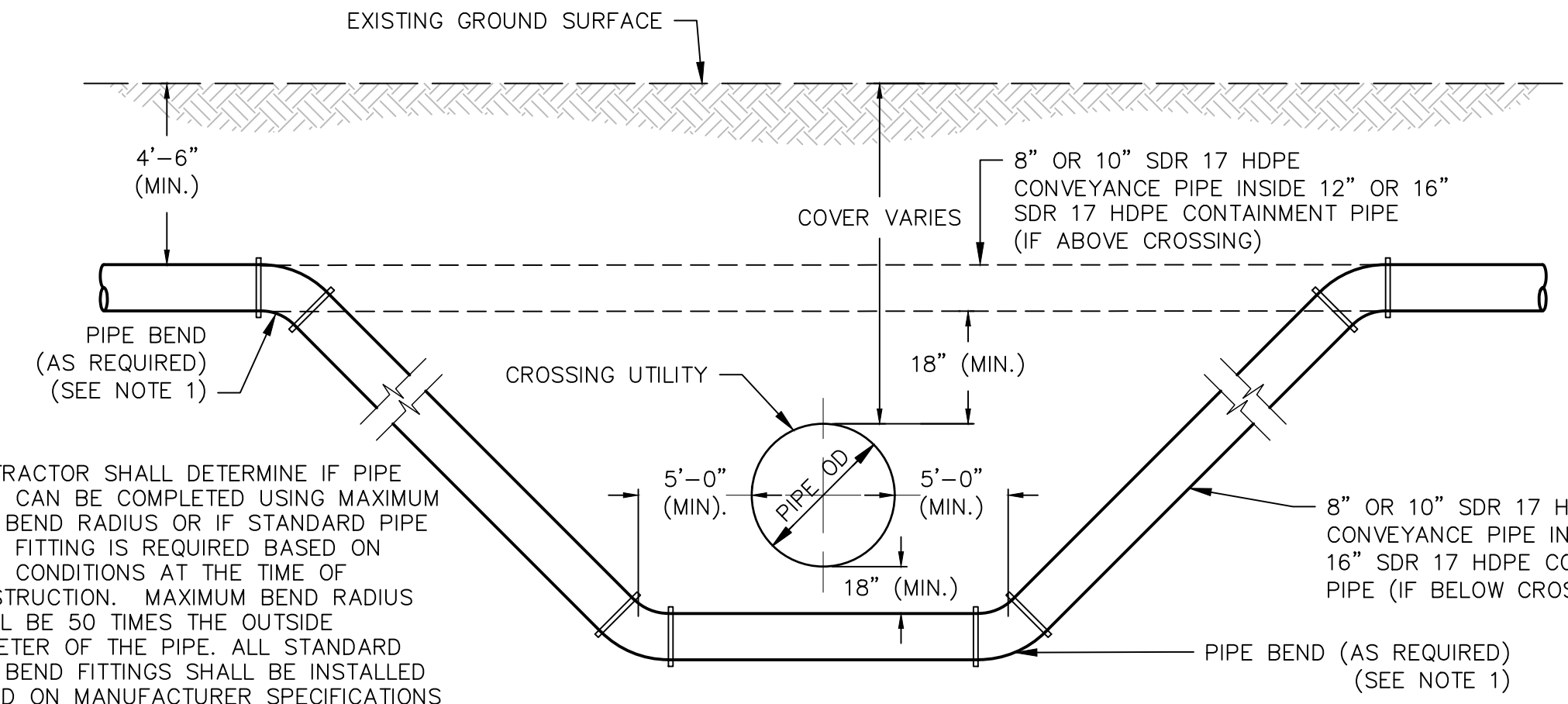
SECTION B-B



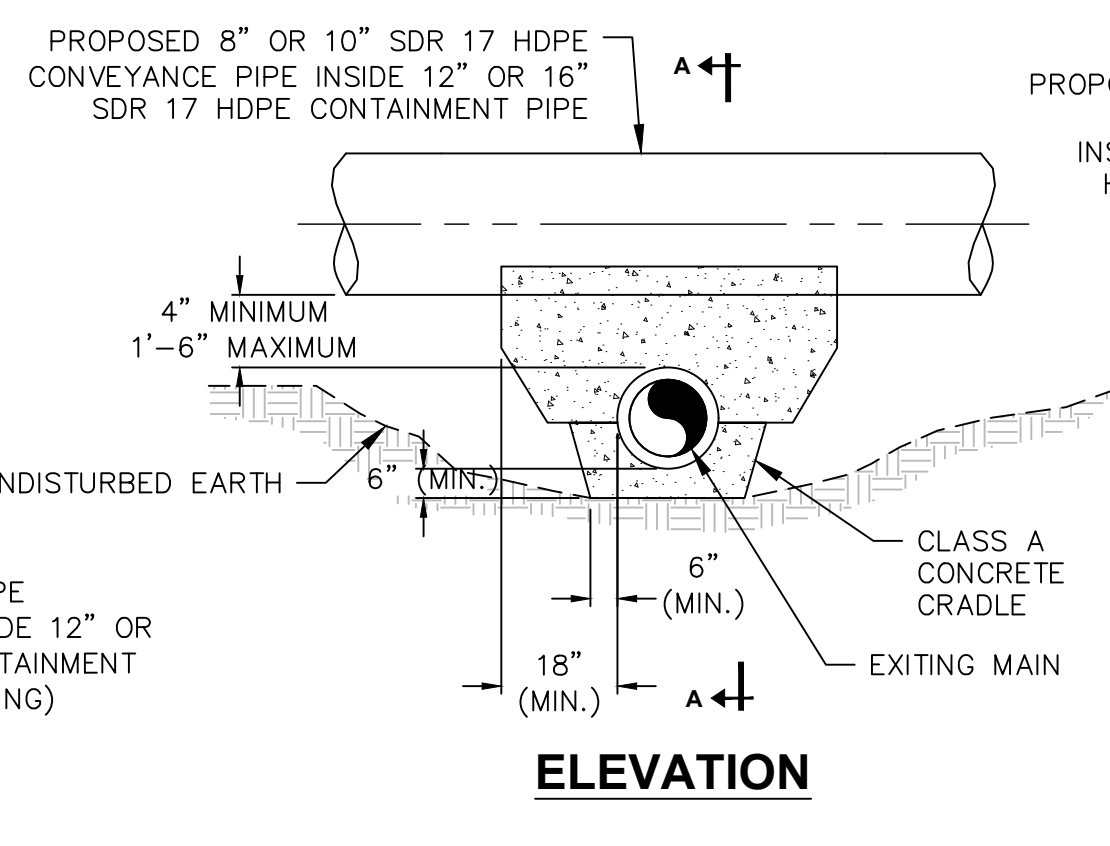
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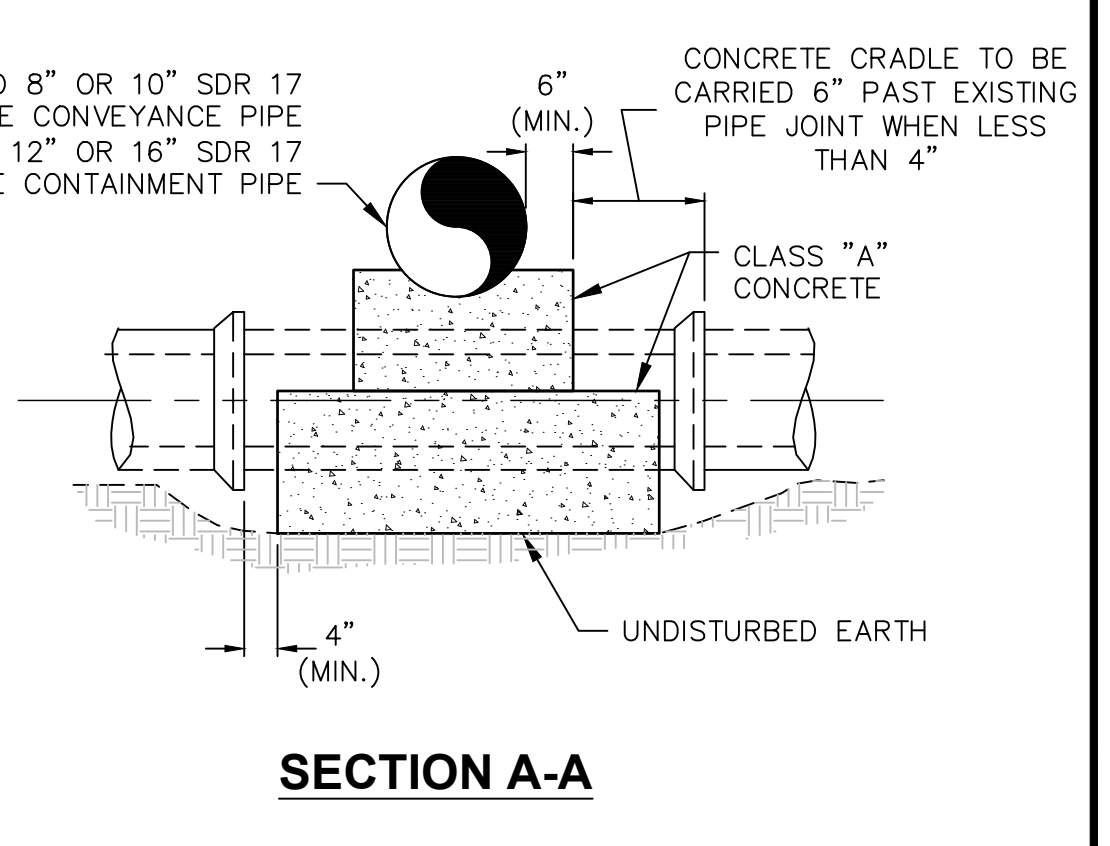
RW-20 PIPELINE CONNECTION DETAIL
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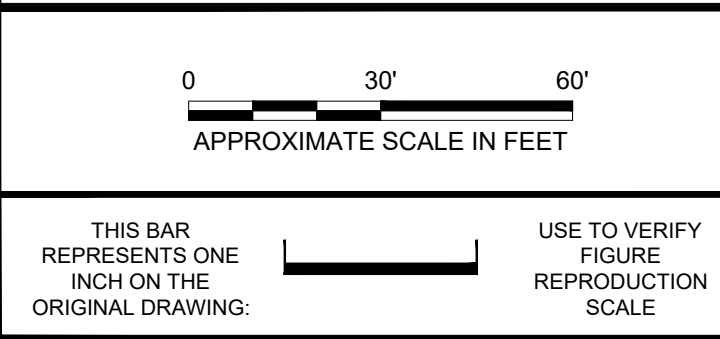
TYPICAL UTILITY CROSSING
NOT TO SCALE



TYPICAL UTILITY CROSSING LACKING REQUIRED VERTICAL OFFSET
NOT TO SCALE



SECTION A-A



No.	Date	Revisions	MW	JM
1	09/12/019	ISSUED FOR BID		

CHRISTOPHER ENGLER
 Professional Engineer's No. 069748
 State: NY Date Signed: Project Mgr: JM
 Designed by: SS Drawn by: MW Checked by: JM



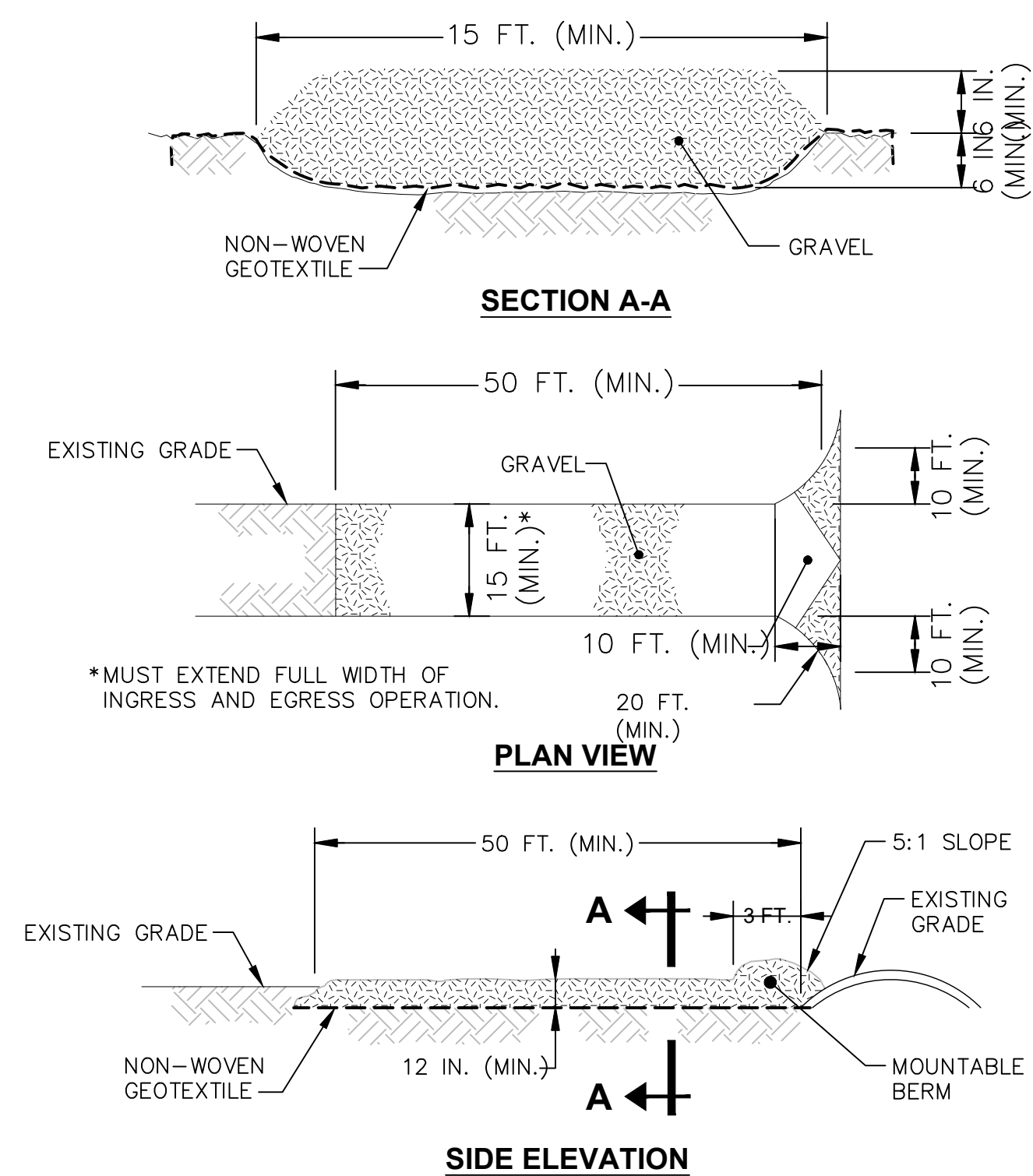
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C-6

CITY: SYRACUSE, NY DIV/GROUP: IMDV DB: A.SANCHEZ, K.DAVIS LD: A.SANCHEZ, PIC: D.JOHNSTON PM: C.SANGIOVANNI TM: J.MORGAN LTR: ONE*-OFF*-REF*
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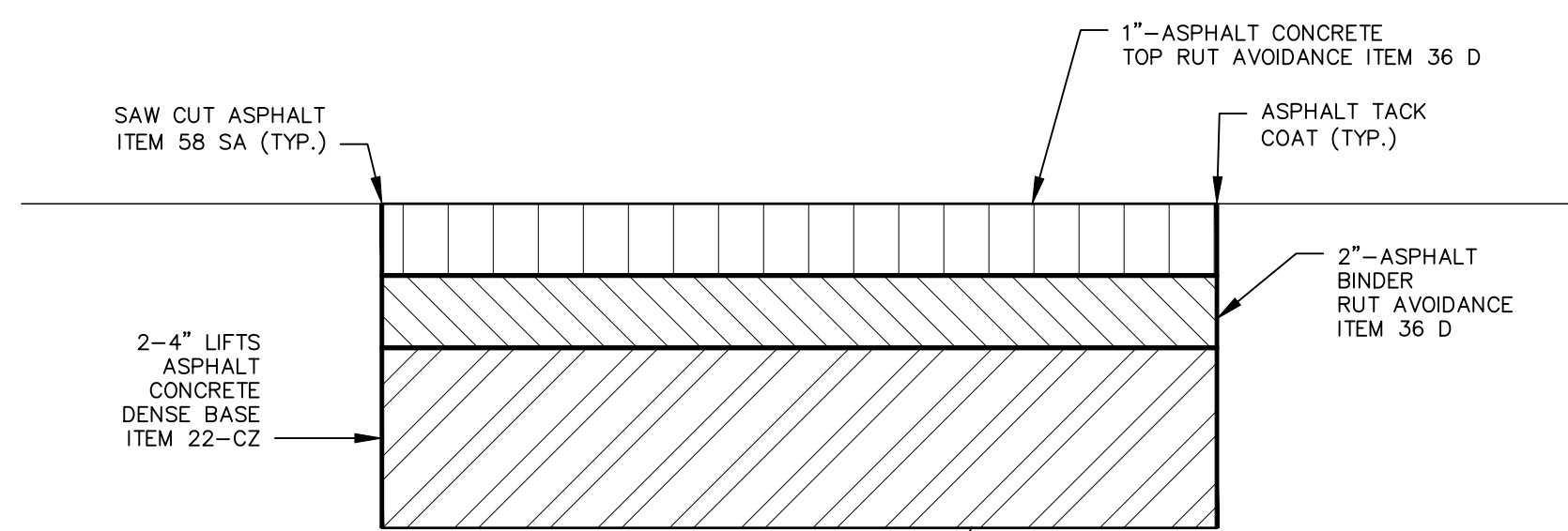


NOTES:

1. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ANY POINT OF ACCESS TO WORK AREAS, NOT ALREADY STABILIZED OR ACCESSIBLE (E.G. EXISTING ROADS).
2. PLAN DIMENSIONS OF CONSTRUCTION ENTRANCE ARE MINIMUMS.
3. PROVIDE HDPE CULVERT PIPES WHERE CONSTRUCTION ENTRANCE WOULD IMPEDE SURFACE DRAINAGE.

STABILIZED CONSTRUCTION ENTRANCE 1

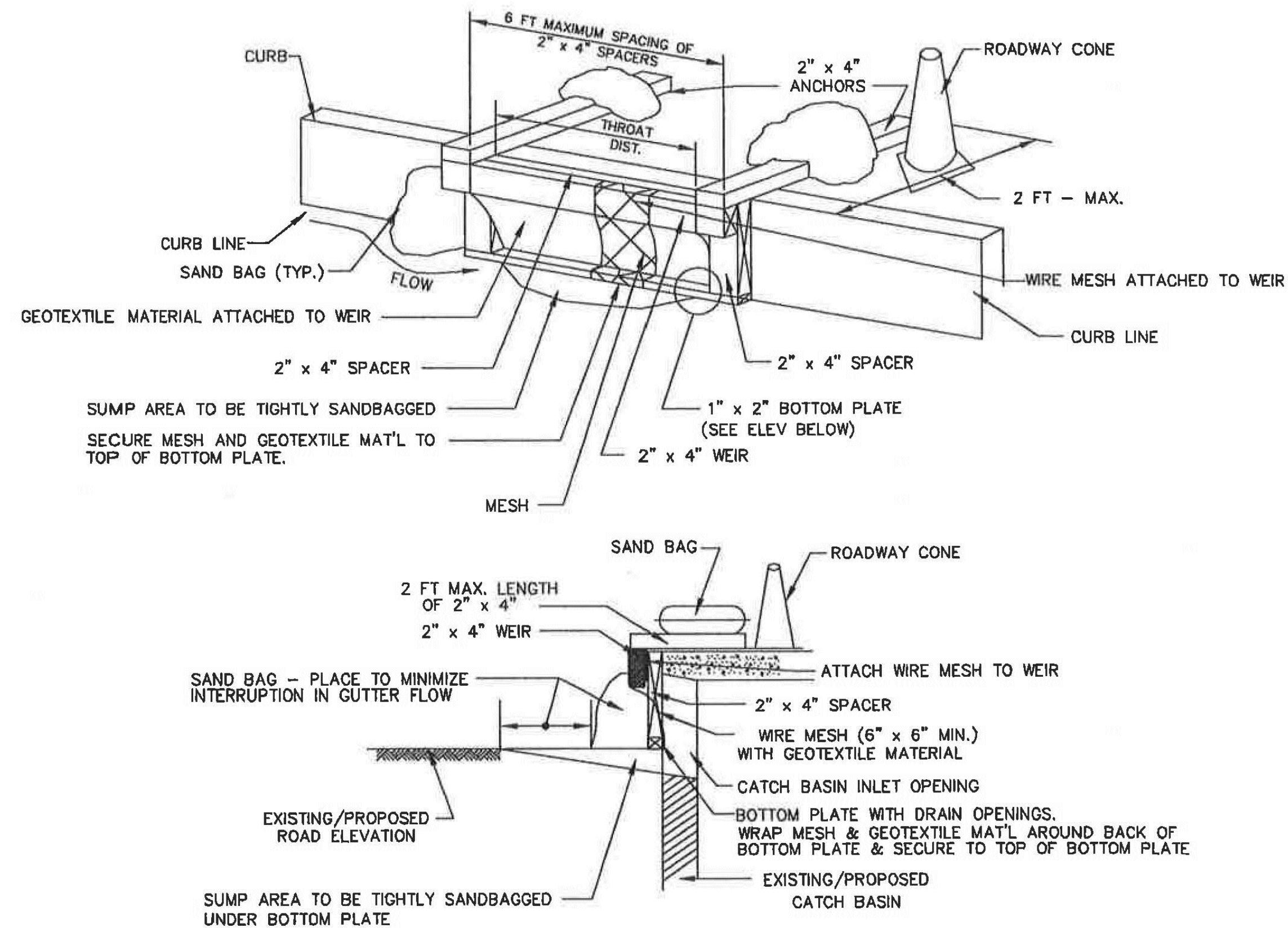
NOT TO SCALE



- NOTE:
 1. ITEM NUMBERS ABOVE REFER TO NASSAU COUNTY 2009 STANDARD SPECIFICATIONS.

ASPHALT PAVEMENT RESTORATION 3

NOT TO SCALE

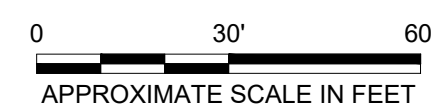


NOTES:

1. THE CONTRACTOR SHALL PLACE THE GEOTEXTILE MATERIAL AS SHOWN IN THE DETAILS.
2. THE GEOTEXTILE MATERIAL SHALL BE TIED TO THE 6" x 6" MESH WIRE WITH THE APPROPRIATE FASTENERS. THE WIRE MESH SHALL BE FASTENED BY NAILING, STAPLING, OR OTHER SATISFACTORY MEANS TO THE WOOD FRAME THAT WILL SUPPORT THE FABRIC AND WIRE. BOTH SHALL BE PLACED BETWEEN THE FRAME AND GRATE, ON THE STREET SIDE OF THE STRUCTURE AS DIRECTED BY THE ENGINEER.
3. THE WOODEN FRAME SHALL BE CONSTRUCTED WITH THE INTENT THAT IT WILL SUPPORT THE MATERIAL THAT WILL ACCUMULATE DURING THE LIFE OF THE CONTRACT OR AS DIRECTED BY THE ENGINEER.
4. THE WIRE MESH SHALL BE CONTINUOUS 4 FT MINIMUM WIDTH AND A LENGTH SUFFICIENT TO BE CONSTRUCTED AS SHOWN IN THE DETAIL. IT SHALL BE SECURE AND ATTACHED TO THE WOOD WEIR AS NOTED OR AS DIRECTED BY THE ENGINEER.
5. THE PROTECTION DEVICE SHALL BE PLACED AGAINST THE CURB INLET AND SECURED BY 2" x 4" ANCHORS 2 FT IN LENGTH, EXTENDING ACROSS THE TOP OF THE INLET, AND HELD IN PLACE BY THE SANDBAGS. ADDITIONAL SANDBAGS, AS SHOWN IN THE DETAIL, SHALL BE PLACED ON BOTH SIDES OF THE BASIN AND SHALL BE PLACED UP AGAINST THE CURB LINE ON EITHER EDGE OF THE SURFACE INLET.
6. THE INSTALLATION OF THIS FILTERING SYSTEM SHALL BE DONE PRIOR TO ANY EXCAVATION ON THE JOB THAT HAS THE POTENTIAL TO PRODUCE SEDIMENT RUNOFF, OR AS DIRECTED BY THE ENGINEER.

SILT PROTECTION FOR CURB INLET DRAINAGE STRUCTURES 2

NOT TO SCALE



THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING. USE TO VERIFY FIGURE REPRODUCTION SCALE.

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Professional Engineer's Name
CHRISTOPHER ENGLER
 Professional Engineer's No.
 069748
 State
 NY
 Date Signed
 Project Mgr.
 JM
 Designed by
 SS
 Drawn by
 MW
 Checked by
 JM



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 NORTH WINDHORST AVENUE
MISCELLANEOUS SITE DETAILS

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