

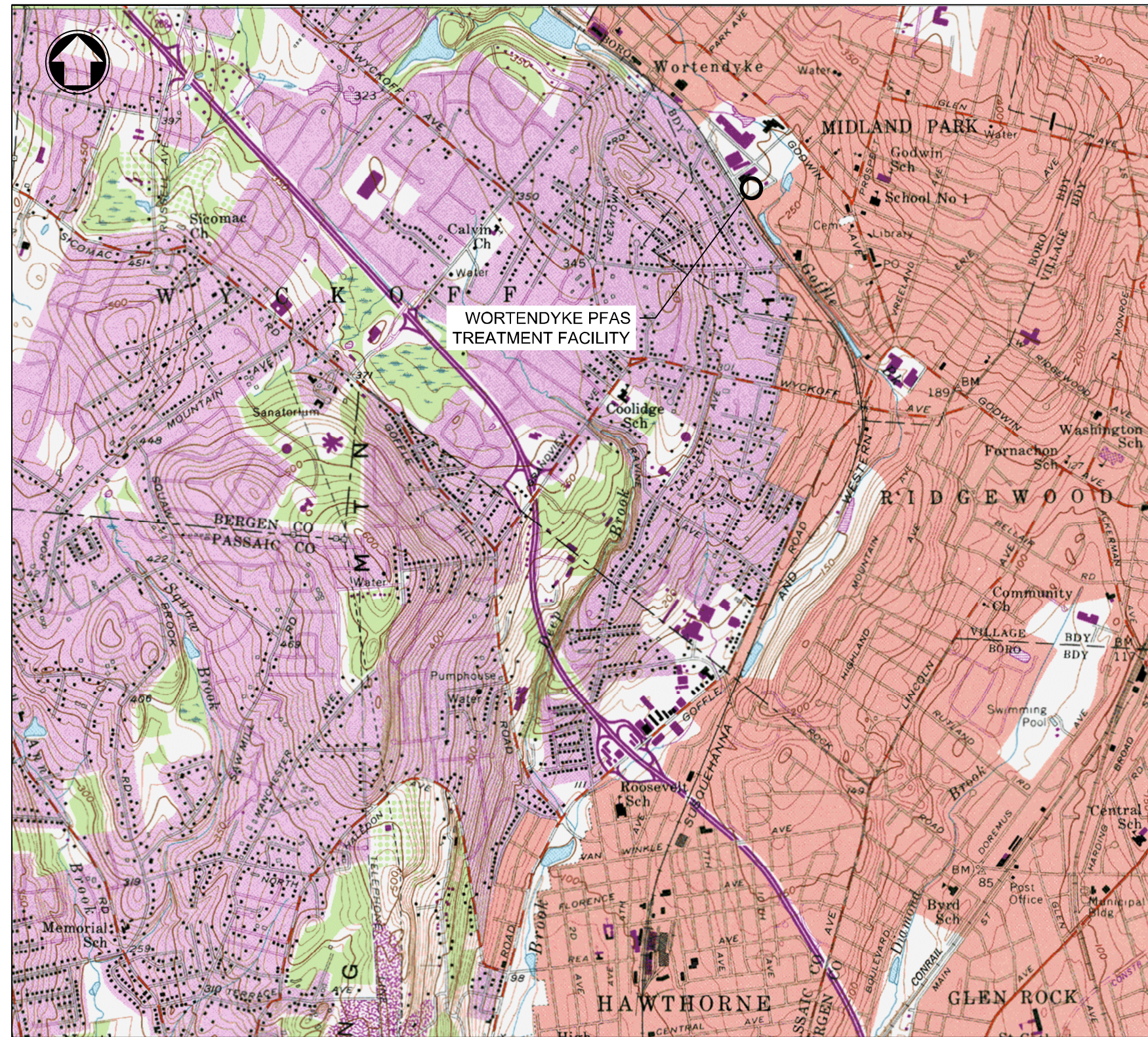
RIDGEWOOD WATER

BERGEN COUNTY, NEW JERSEY



WORTENDYKE PFAS TREATMENT FACILITY

MIDLAND PARK, NJ 07432
BLOCK 32 - LOT 4



SOURCE: USGS HISTORICAL TOPOGRAPHIC MAPS 7.5 X 7.5 MINUTE MAP SERIES 1997

LOCATION MAP



MAYOR
PAUL VAGIANOS

DEPUTY MAYOR
PAMELA PERRON

VILLAGE MANAGER
KEITH KAZMARK

COUNCIL MEMBERS
LORRAINE REYNOLDS
EVAN WEITZ
SIOBHAN WINOGRAD

RIDGEWOOD WATER

DIRECTOR OF OPERATIONS
RICHARD CALBI JR. P.E., P.P.

SENIOR ENGINEER
JILL FASANO, P.E.

SUPERINTENDENT
WILLIAM BIERWAS

MIDLAND PARK PLANNING BOARD APPLICATION

MARCH 2024

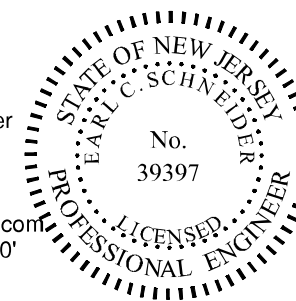
DRAWING LIST

B/O	SHEET NO.	DESCRIPTION
1	G101	GENERAL COVER SHEET
2	G102	LOCATION PLAN, SYMBOLS, AND GENERAL NOTES
CIVIL		
3	C102	SITE PLAN
4	C501	CONSTRUCTION DETAILS - SHEET 1 OF 3
5	C502	CONSTRUCTION DETAILS - SHEET 2 OF 3
6	C503	CONSTRUCTION DETAILS - SHEET 3 OF 3
7	C504	SMART VENT CROSS SECTION AND DETAIL
8	C505	SOIL EROSION AND SEDIMENTATION CONTROL DETAILS - SHEET 1 OF 2
9	C506	SOIL EROSION AND SEDIMENTATION CONTROL DETAILS - SHEET 2 OF 2
ARCHITECTURAL		
10	A101	FLOOR PLAN
11	A201	ELEVATIONS
12	A301	BUILDING SECTIONS
13	AR001	PLAN AND RENDERINGS

M M
MOTT MACDONALD

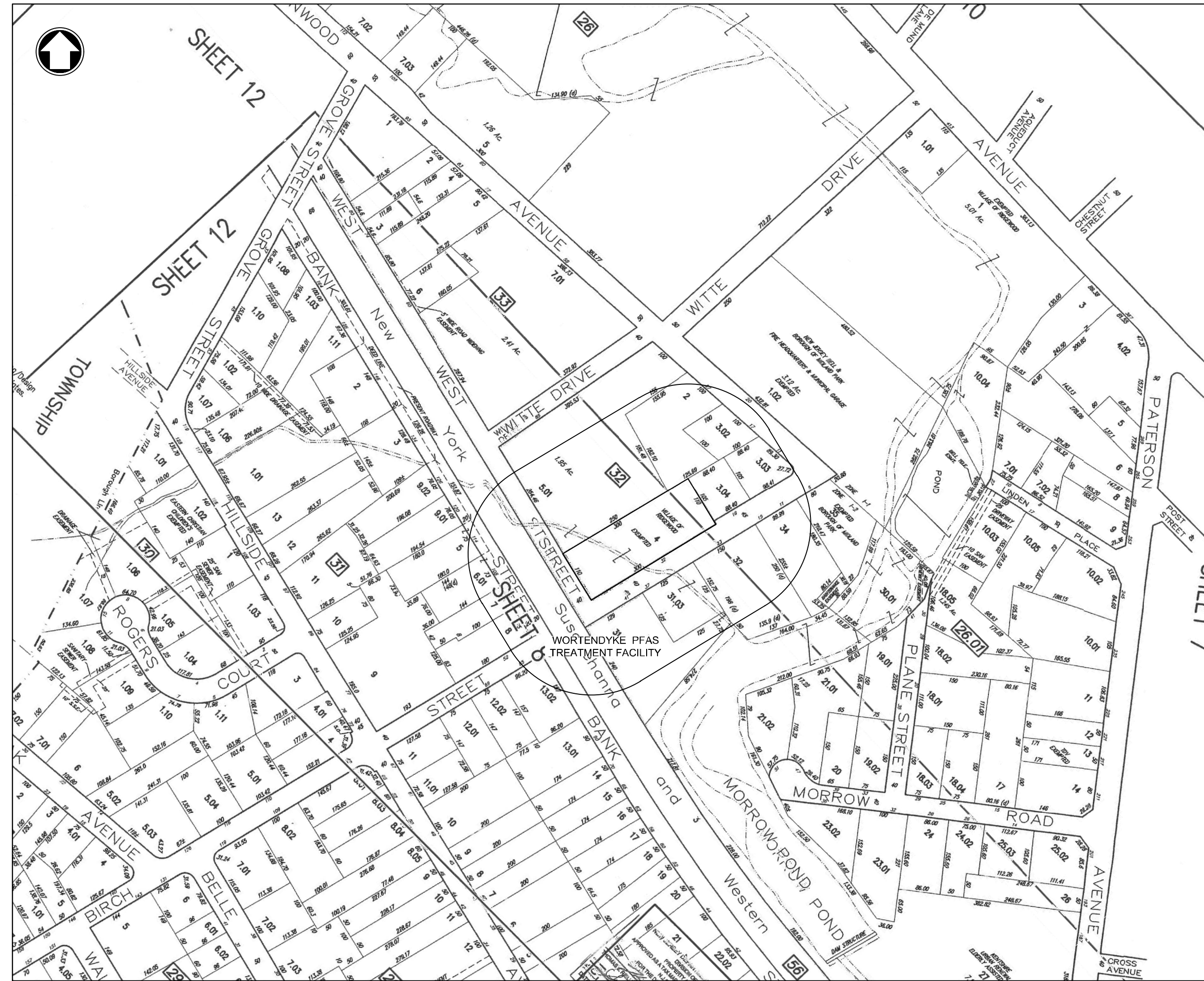
Certificate No. 24GA28016600

Earl Schneider
Digitally signed by Earl Schneider, DN: cn=Earl Schneider, o=US, ou=Mott MacDonald, ou=Water Group, email=earl.schneider@mottmac.com, Date: 2024.03.01 08:31:37 -05'00'

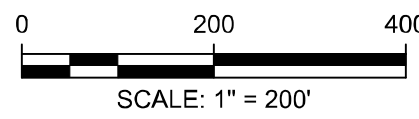


EARL C. SCHNEIDER
Professional Engineer - N.J. Lic. No. 39397

KEY MAP:



SOURCE: MIDLAND PARK TAX MAP SHEETS 8, AND 9; ZONE I-2



LEGEND:

● SURVEY BOUNDARY MARKER	W WATER MARK OUT	⊙ ELECTRICAL MANHOLE	POST	● BOLLARD
▣ SURVEY MONUMENT	K FIRE DEPARTMENT CONNECTION	⊙ ELECTRICAL METER	○ FLAG POLE	● CT
△ SURVEY CONTROL POINT	HYD FIRE HYDRANT	⊙ ELECTRICAL STRUCTURE (AG)	□ BENCH	● FT
⊗ DRAINAGE MARK OUT	⊙ FIRE SYSTEM STANDPIPE	⊙ ELECTRICAL STRUCTURE (BG)	○ MISCELLANEOUS POLE	K 45° VERTICAL BEND UP
□ INLET TYPE A	⊙ WATER MANHOLE	□ PULL BOX	○ PARKING METER	⊗ 45° VERTICAL BEND DOWN
□ INLET TYPE B	○ WM WATER METER	⊙ STREET LIGHT	⊙ MB MAIL BOX (RESIDENTIAL)	⊔ TEE
□ INLET TYPE E	● WSV WATER SERVICE VALVE	⊙ TRAFFIC LIGHT	□ USPS MAIL BOX (USPS)	△ REDUCER
○ INLET (OTHER)	⊗ WATER VALVE	○ UTILITY POLE	● PRIVATE SEWER	□ COUPLING
⊙ DRAINAGE MANHOLE	⊙ CABLE STRUCTURE (AG)	↓ GUY WIRE	⊙ PRIVATE WELL	J CAP
○ SANITARY CLEAN OUT	⊙ CABLE STRUCTURE (BG)	⊙ LAMP POST	○ DOWN SPOUT	⊔ 11.25° HORIZONTAL BEND
⊙ SANITARY MANHOLE	⊗ CABLE MARK OUT	⊗ ELECTRICAL MARK OUT	⊙ AIR CONDITIONING UNIT	⊔ 22.5° HORIZONTAL BEND
○ VENT PIPE	⊙ TELEPHONE MANHOLE	⊙ ELECTRICAL MARK OUT	○ OIL FILL	⊔ 45° HORIZONTAL BEND
○ SANITARY MARK OUT	⊙ TELEPHONE STRUCTURE (AG)	● CONIFEROUS TREE	○ COLUMN (CIRCULAR)	⊔ 90° HORIZONTAL BEND
○ GAS METER	⊙ TELEPHONE STRUCTURE (BG)	○ DECIDUOUS TREE	□ COLUMN (SQUARE)	⊕ CROSS
● GAS SERVICE VALVE	⊗ TELEPHONE MARK OUT	○ SHRUB	⊕ SOIL BORING	▲ THRUST BLOCK
○ GAS VALVE	⊗ FIBER MARK OUT	⊕ MONITORING WELL	○ TEST PIT	○ AIR RELEASE
⊗ GAS MARK OUT	⊙ UNKNOWN MANHOLE	⊕ STREET SIGN	⊕ INLET PROTECTION	

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<p>MOTT MACDONALD Certificate No. 24GA28016600</p>	<p>111 Wood Avenue South Iselin, New Jersey 08830-1005 United States</p> <p>T +1 973-379-3400 F +1 973-376-1072 www.mottmacamericas.com</p>	Client				<p>RIDGEWOOD WATER 111 NORTH MAPLE AVENUE RIDGEWOOD, NJ 07450</p>			<p>EARL C. SCHNEIDER NJ PROFESSIONAL ENGINEER LIC. No. 39397</p>			<p>Designed R. MORAIS Eng check S. PUCHALAPALLI</p>			Title									
									<p>Drawn R. MORAIS Coordination S. PUCHALAPALLI</p>			<p>WORTENDYKE PFAS TREATMENT FACILITY GENERAL LOCATION MAP, SYMBOLS AND GENERAL NOTES</p>												
									<p>Dwg check S. PUCHALAPALLI Approved E. SCHNEIDER</p>															
									<p>Scale at ANSI D Status 90% Rev 0 Security STD</p>															
				<p>Project Number 507102802 B/O 2 Total 13</p>			<p>Drawing Number G102</p>																	
				<table border="1"> <thead> <tr> <th>Rev</th> <th>Date</th> <th>Drawn</th> <th>Description</th> <th>Ch'k'd</th> <th>App'd</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>02/03/24</td> <td>AW</td> <td>MIDLAND PARK SITE PLAN APPLICATION</td> <td>SBP</td> <td>ECS</td> </tr> </tbody> </table>			Rev	Date	Drawn	Description	Ch'k'd	App'd	0	02/03/24	AW	MIDLAND PARK SITE PLAN APPLICATION	SBP	ECS						
Rev	Date	Drawn	Description	Ch'k'd	App'd																			
0	02/03/24	AW	MIDLAND PARK SITE PLAN APPLICATION	SBP	ECS																			

ADJACENT PROPERTY LISTING APPLICANT: RIDGEWOOD WATER
TAXING DISTRICT 70 MIDLAND PARK TOWNSHIP COUNTY 02 BERGEN

- BLOCK 31:
5 114 BANK ST Midland Park Borough, NJ 07432 , MC GLADE, JOHN C & PATRICIA J
6.1: 108 BANK ST Midland Park Borough, NJ 07432 , SHORETZ, IRINA
7: 104 BANK ST Midland Park Borough, NJ 07432, PIEGARO, MICHAEL & SQUEO, LAURA
8: 52 BIRCH ST Midland Park Borough, NJ 07432, MYERS, JAMES E 3RD & LISA A

- BLOCK 32:
2: 27 GREENWOOD AVE Midland Park Borough, NJ 07432, R & S MANAGEMENT SERVICES, LLC
3.1: 17 GREENWOOD AVE Midland Park Borough, NJ 07432 , FREMGEN, ROBERT & VERA E
3.2: 11 GREENWOOD AVE Midland Park Borough, NJ 07432 , 13 GREENWOOD AVE, C/O FREMGEN
3.3: 18 BIRCH ST Midland Park Borough, NJ 07432 , RSCAPE, LLC
4: 32 BIRCH ST Midland Park Borough, NJ 07432 , VILLAGE OF RIDGEWOOD
5: 85 WITTE DR Midland Park Borough, NJ 07432 , TENASTIC, INC.

- BLOCK 26.01
31.2: 41 BIRCH ST Midland Park Borough, NJ 07432 , JACOBSEN REAL ESTATE L.L.C.
31.3: 37 BIRCH ST Midland Park Borough, NJ 07432 , JACOBSEN REAL ESTATE L.L.C.
32: 23 BIRCH ST Midland Park Borough, NJ 07432 , TENASTIC, INC.
34: 11 BIRCH ST Midland Park Borough, NJ 07432 , DT ALLEN CONTRACTING CO., INC.
35: 5 BIRCH ST Midland Park Borough, NJ 07432 , BOROUGH OF MIDLAND PARK

- BLOCK 28:
13.2: 65 BIRCH ST Midland Park Borough, NJ 07432 , PATTMAN, JOHN H. & DIANE M.

GENERAL NOTES:

- AVAILABLE INFORMATION AS TO THE LOCATION OF EXISTING SUBSTRUCTURES AND UTILITIES HAS BEEN COLLECTED FROM VARIOUS SOURCES. THE RESULTS OF SUCH INVESTIGATIONS, AS MAY BE SHOWN ON THE CONTRACT DRAWINGS, ARE NOT GUARANTEED AS TO ACCURACY. ALL EXISTING UTILITIES ARE SHOWN FOR INFORMATION ONLY. THE CONTRACTOR SHALL DIG TEST PITS AS DIRECTED BY THE ENGINEER TO VERIFY TRUE AND EXACT LOCATIONS OF UNDERGROUND LINES. UNLESS OTHERWISE NOTED, PAYMENT FOR TEST PITS SHALL BE INCLUDED IN THE UNIT BID PRICES.
- THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES A MINIMUM OF 72 HOURS PRIOR TO EXCAVATION.
- THE FOLLOWING IS A LISTING OF REPORTED TELEPHONE NUMBERS OF UTILITY COMPANIES AND AGENCIES HAVING FACILITIES OR JURISDICTION IN THE VICINITY OF THE PROJECT.

RIDGEWOOD WATER	:201-670-5520
BERGEN COUNTY - DEPARTMENT OF PUBLIC WORKS	:201-336-6849
NEW JERSEY DEPARTMENT OF TRANSPORTATION	:973-362-6050
BOROUGH OF MIDLAND PARK - TOWNSHIP ENGINEER	:201-447-4660
VERIZON COMMUNICATIONS	:973-925-1488
NEW JERSEY ONE-CALL	:800-272-1000
- PRIOR TO ANY CONNECTION TO EXISTING TOWNSHIP OWNED FACILITIES, THE CONTRACTOR SHALL NOTIFY THE TOWNSHIP. ALL CONNECTIONS TO EXISTING FACILITIES SHALL BE DONE AT THE CONVENIENCE OF THE TOWNSHIP.
- EXCAVATIONS OR TRENCHING WITHIN CLOSE PROXIMITY TO UNDERGROUND FACILITIES OR UTILITY POLES WILL REQUIRE PROTECTION IN AN APPROVED MANNER TO PREVENT DAMAGE OR INTERRUPTION OF SERVICE TO UNDERGROUND FACILITIES. THE COST TO PROVIDE THIS PROTECTION WILL BE BORNE BY THE CONTRACTOR DOING THE TRENCHING OR EXCAVATIONS.
- THE CONTRACTOR SHALL ABIDE BY ALL REQUIREMENTS OF THE "HIGH VOLTAGE PROXIMITY ACT".
- THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT IN AN APPROVED MANNER EXISTING THRUST BLOCKS WHICH ARE RESTRAINING EXISTING UTILITIES. EXISTING THRUST BLOCKS SHALL NOT BE UNDERMINED.
- EXISTING MAINS TO WHICH CONNECTIONS SHALL BE MADE ARE SIZED AND LOCATED IN ACCORDANCE WITH THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL BE PREPARED TO ACCOMMODATE CHANGES IN THE SIZE OR LOCATION BY MAINTAINING AT THE JOB SITE ADDITIONAL PIPE, FITTINGS, AND VALVES IN THE RANGES OF SIZES BEING DEALT WITH. THIS ADDITIONAL MATERIAL SHALL BE AVAILABLE TO PREVENT DELAYS IN CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL EXCESS EXCAVATED MATERIAL TO AN OFF-SITE LOCATION AT NO ADDITIONAL COST TO THE OWNER. NO MATERIAL SHALL BE STOCKPILED ON COUNTY OR MUNICIPAL ROADS OVERNIGHT.
- THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF STATE, COUNTY, AND LOCAL ROAD AND HIGHWAY DEPARTMENTS.
- UPON BACKFILLING, THE CONTRACTOR SHALL BROOM-SWEEP THE STREETS, USING APPROVED METHODS TO CONTROL DUST, AND TO KEEP THE PAVEMENT SURFACE CLEAN.
- CONTRACTOR SHALL FURNISH 1"Ø CORPORATIONS AND GATE VALVES AT TEST PLUGS, AND 2"Ø CORPORATIONS WHEREVER ELSE NECESSARY FOR BLEEDING, FLUSHING, PRESSURE TESTING, AND DISINFECTING THE WATER MAIN. THE CONTRACTOR SHALL INSTALL AS MANY CORPORATIONS AS ARE REQUIRED FOR PROPER TESTING, FLUSHING, AIR BLEEDING, AND DISINFECTION AT NO ADDITIONAL COST TO THE OWNER OTHER THAN THE PRICES BID.
- DETOURING OF TRAFFIC SHALL BE KEPT TO A MINIMUM AND BE SUBJECT TO PRIOR APPROVAL OF LOCAL OFFICIALS (FIRE, POLICE, ETC.). TRAFFIC CONTROL ON COUNTY ROADS SHALL BE UNDER THE JURISDICTION OF BERGEN COUNTY. UNIFORMED POLICE FLAGMAN SHALL BE PROVIDED AS REQUIRED BY THE CONTROLLING AGENCY AND PAID FOR AS DETAILED IN THE CONTRACT SPECIFICATIONS.
- ALL TRENCHES SHALL BE BACKFILLED WITHOUT DELAY. OPEN TRENCHES SHALL BE KEPT TO A MINIMUM. OPEN TRENCHES SHALL BE STEEL PLATED.
- UNLESS OTHERWISE SPECIFICALLY PERMITTED, NO WORK SHALL BE DONE BETWEEN THE HOURS 4:30 P.M. AND 8:00 A.M., PREVAILING TIME; NO EQUIPMENT SHALL BE STARTED PRIOR TO 8:00 A.M., PREVAILING TIME. IF IT SHALL BECOME ABSOLUTELY NECESSARY TO PERFORM WORK AT NIGHT, THE ENGINEER SHALL BE INFORMED IN ADVANCE. GOOD LIGHTING AND ALL OTHER NECESSARY FACILITIES FOR PROPER EXECUTION AND INSPECTION OF THE WORK SHALL BE PROVIDED.
- ALL PIPE TO HAVE A MINIMUM OF 4-FEET OF COVER.
- CONTRACTOR TO TEST PIT IN ADVANCE TO DETERMINE NEED FOR FITTINGS NECESSARY TO CLEAR EXISTING UTILITIES AND MAINTAIN COVERAGE AND CLEARANCES FOR PROPOSED SEWER AND WATER MAIN. CHANGES IN PIPE PROFILE/UTILITY CROSSINGS TO BE APPROVED IN ADVANCE BY THE TOWNSHIP.
- ALL DUCTILE IRON FITTINGS ARE TO BE MECHANICAL JOINT WITH DUCTILE IRON MEGA-LUG OR EQUAL RETAINER GLANDS AND CONCRETE THRUST BLOCK.
- UNLESS OTHERWISE NOTED, ALL BASE MAPPING SHOWN REFERENCES THE NAD 83 HORIZONTAL DATUM AND NAVD 88 VERTICAL DATUM.
- ALL TRENCHES SHALL BE SAW-CUT. CONTRACTOR SHALL CORRECT RAGGED EDGES AS NECESSARY, AND IF AND WHERE DIRECTED BY THE OWNER OR ENGINEER.



ZONING REQUIREMENTS:

PROPOSED LAND USE: WATER TREATMENT FACILITY				
ZONE I-2: INDUSTRIAL				
		BLOCK 32 LOT 4		
BULK REGULATIONS		REQUIRED	EXISTING	PROVIDED
MINIMUM BUILDING REQUIREMENTS	LOT AREA (FEET SQUARED)	-	32,900	32,900
	LOT WIDTH (FEET)	-	299	299
	LOT DEPTH (FEET)	-	110	110
MAXIMUM BULK REQUIREMENTS	PRINCIPAL HEIGHT (FEET)	36	18	33.5
	PRINCIPAL HEIGHT (STORIES)	3	1	1
	BUILDING (%)	40	4	11.5
	IMPERVIOUS/IMPROVED (%)	80	9	23.4
MINIMUM YARD REQUIREMENTS	FRONT (FEET)	25	12.83	12.83*
	SIDE YARD (FEET)	15	42.5	31.42
	REAR YARD (FEET)	25	21	21*

NOTES:
 1. ASTERISK (*) INDICATES THE PROVIDED VALUE IS AN EXISTING CONDITION AND CANNOT MEET THE ZONING CRITERIA. THE NEW PFAS TREATMENT BUILDING AND PRE-FABRICATED CHEMICAL BUILDING MEET THE MINIMUM YARD REQUIREMENTS.

LIGHTING CHART

LENGTH (IN):	11.5
WIDTH (IN):	9
HEIGHT ON WALL (FT):	10
AREA ON WALL (IN ²):	103
DIRECTION OF ILLUMINATION:	DOWN
LUMEN POWER (LUMENS):	2000

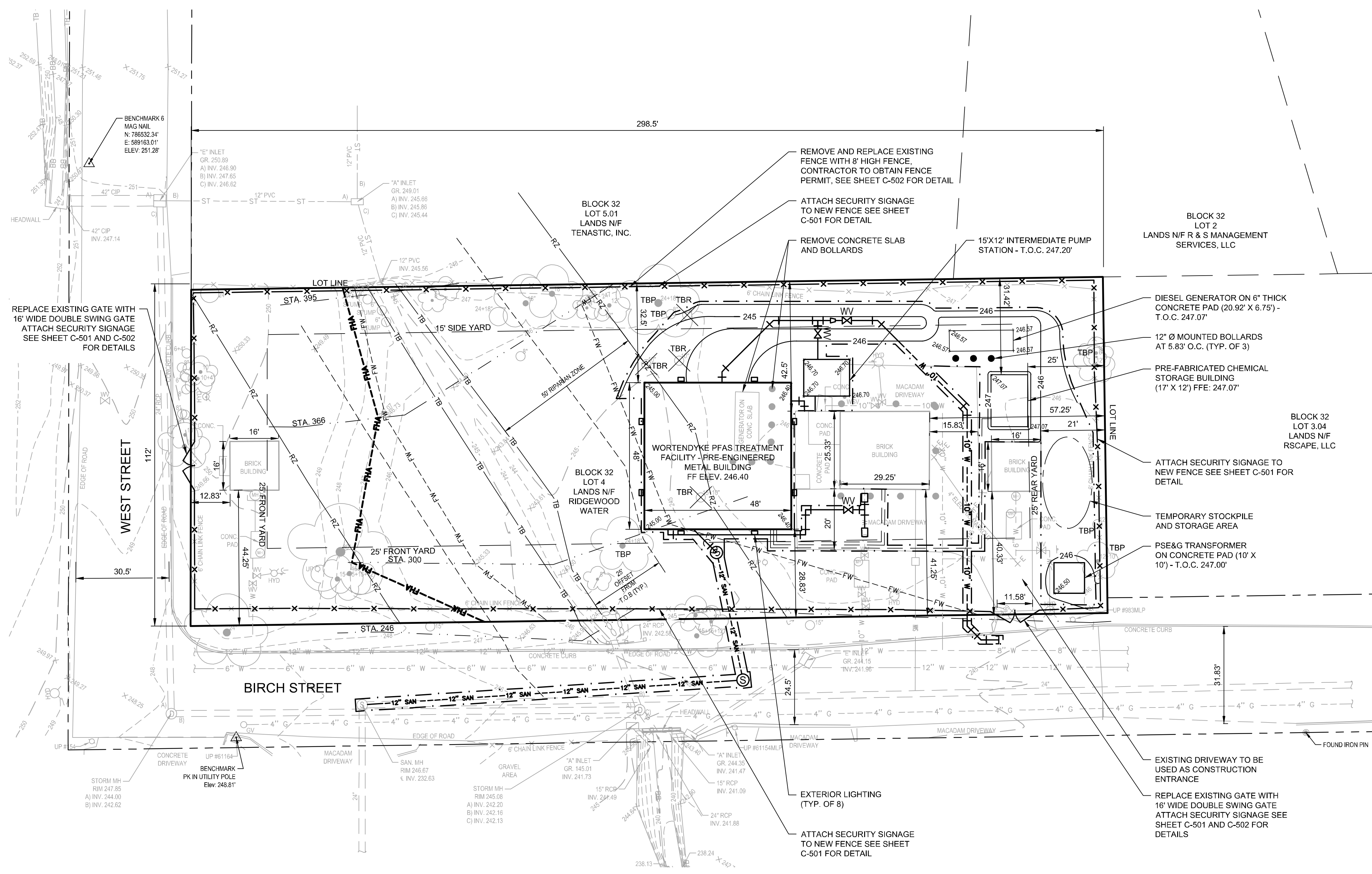
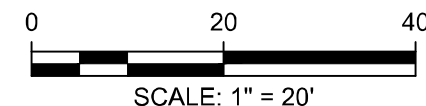
- FHA NOTES:
- ELEVATIONS SHOWN ARE BASED ON N.A.V.D. 1988 IN FEET TO CONVERT TO N.G.V.D. 1929, ADD 0.96 FT.
 - METHOD 6 CALCULATION METHOD WAS USED TO DETERMINE THE FLOOD HAZARD AREA DESIGN FLOOD ELEVATIONS:

STATION	FHA DFE (R NAVD88)
395	248.66
366	247.07
300	247.00
246	246.63
 - THE CONTRACTOR SHALL PREVENT THE EXPOSURE OF RAW CEMENT AND UNCURED CONCRETE TO FLOWING WATER.
 - STOCKPILE AREAS SHALL BE LOCATED EITHER IN ACTIVELY DISTURBED AREAS OR OUTSIDE OF THE RIPARIAN ZONE.
 - UNLESS OTHERWISE INDICATED, ALL DISTURBED AREAS IN THE FLOOD HAZARD SHALL BE RESTORED TO PRE-CONSTRUCTION TOPOGRAPHY UPON COMPLETION OF THE REGULATED ACTIVITY.
 - ANY UTILITY LINE THAT CONVEYS A GAS OR LIQUID SHALL BE SEALED TO ENSURE THAT THERE WILL BE NO LEAKAGE OR DISCHARGE IN REGULATED AREAS.
 - ALL MANHOLES SHALL BE INSTALLED FLUSH WITH EXISTING GRADE AND SHALL HAVE WATERTIGHT COVERS.
 - ALL EXPOSED SOILS SHALL BE SEEDED WITH NATIVE SEED MIX SUCH AS ERNST EASTERN ECOTYPE NATIVE GRASS MIX OR EQUIVALENT IMMEDIATELY FOLLOWING CONSTRUCTION.
 - ANY EXCAVATED MATERIAL WILL BE REPLACED ON-SITE OR DISPOSED OF LAWFULLY.
 - NO BASEMENT IS PROPOSED AS PART OF THIS PROJECT.
 - A FOYER WITH A FLOOR THAT IS NOT ONE FOOT ABOVE THE FLOOD HAZARD AREA IS NOT PERMITTED.
 - THE STATE OF NEW JERSEY HAS DETERMINED THAT ALL OR A PORTION OF THIS LOT LIES IN A FLOOD HAZARD AREA. CERTAIN ACTIVITIES IN FLOOD HAZARD AREAS ARE REGULATED BY THE NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND SOME ACTIVITIES MAY BE PROHIBITED ON THIS SITE OR MAY FIRST REQUIRE A PERMIT. CONTACT THE WATERSHED AND LAND MANAGEMENT PROGRAM AT (609) 777-0454 FOR MORE INFORMATION PRIOR TO ANY CONSTRUCTION ON-SITE.
 - THE PRE-ENGINEERED METAL BUILDING SHALL BE DESIGNED TO WITHSTAND 1 FT OF WATER ON THE INTERIOR AND 1.5 FT OF WATER ON THE EXTERIOR.
 - THE ENTIRE PORTION OF THE SITE EAST OF THE SWALE IS WITHIN THE FLOOD HAZARD AREA.

LEGEND:

TBR X	TREE TO BE REMOVED
TBP	TREE TO BE PROTECTED
○	TREE STUMP
---	FLOODWAY LIMITS
---	FLOOD HAZARD AREA LIMITS
---	TOP OF BANK
---	RIPARIAN ZONE
---	25-FT FROM TOP OF BANK
---	RIVER STATIONS
---	PROPERTY BOUNDARY (LOT 4, BLOCK 32)
---	MINIMUM YARD REQUIREMENTS BOUNDARY
---	LIMIT OF DISTURBANCE / SILT FENCE

* UNLESS OTHERWISE SHOWN, THE LIMIT OF DISTURBANCE AND SILT FENCE COINCIDE WITH THE PROPERTY BOUNDARY ON SITE.



SITE PLAN

SURVEY NOTES:

- TOPOGRAPHIC INFORMATION SHOWN HEREON WAS OBTAINED IN THE FIELD BY MOTT MACDONALD ON OCTOBER 22, 2020.
- LOT LINES SHOWN HEREON ARE BASE UPON DOCUMENTS PROVIDED BY THE CLIENT AND LIMITED DEED RESEARCH BY MOTT MACDONALD. AS OF NOVEMBER 2020 THE BERGEN COUNTY CLERKS OFFICE IS MAINTAINING LIMITED HOURS AND RESTRICTED ACCESS AS A SAFETY PRECAUTION DUE TO COVID-19. THE SURVEY IS BASED ON THE DOCUMENTS NOTED AND IS SUBJECT TO A COMPLETE AND ACCURATE TITLE SEARCH.
- THE HORIZONTAL COORDINATE SYSTEM IS THE NEW JERSEY STATE PLANE COORDINATE SYSTEM (NAD83) AND VERTICAL DATUM IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88); BOTH ESTABLISHED BY DIFFERENTIAL GPS ON OCTOBER 22, 2020 FROM THE LEICA SMARTNET/NGS CORS NETWORK.
- ANY UNDERGROUND UTILITIES SHOWN HEREON ARE BASED ON ABOVE GROUND OBSERVATIONS, UTILITY MARKING FOUND IN THE FIELD AND/OR INFORMATION SUPPLIED BY THE UTILITY COMPANIES. SINCE NO PHYSICAL LOCATION OF THE UNDERGROUND FACILITIES HAVE BEEN MADE BY THE UNDERSIGNED, NO GUARANTEE IS BEING MADE FOR THEIR COMPLETENESS OR ACCURACY.
- THE UNDERSIGNED PROFESSIONAL IS NOT QUALIFIED TO MAKE ANY DETERMINATION AS TO THE EXISTENCE OR NON-EXISTENCE OF WETLANDS AND/OR HAZARDOUS MATERIALS. THEREFORE, NO STATEMENT IS BEING MADE OR IMPLIED HEREON, NOR SHOULD IT BE ASSUMED OR CONSTRUED THAT ANY STATEMENT IS BEING MADE BY THE FACT THAT NO EVIDENCE OF WETLANDS AND/OR HAZARDOUS MATERIALS IS PORTRAYED HEREON. THE CLIENT SHOULD PURSUE THESE MATTERS SEPARATE AND APART FROM THIS SURVEY.

APPROVED BY THE TOWNSHIP OF MIDLAND PARK PLANNING BOARD

CHAIRMAN: _____ SECRETARY: _____ TOWNSHIP ENGINEER: _____

ATTESTED TO BY: _____ DATE: _____ ATTESTED TO BY: _____ DATE: _____ ATTESTED TO BY: _____ DATE: _____

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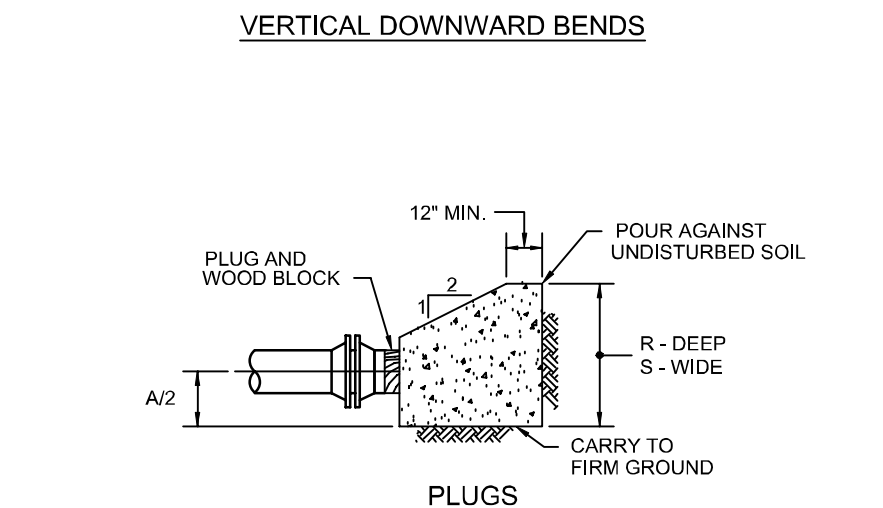
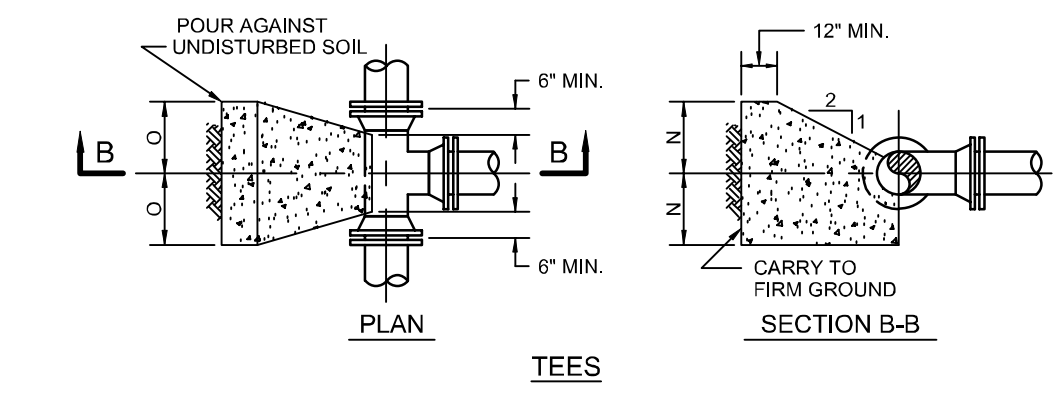
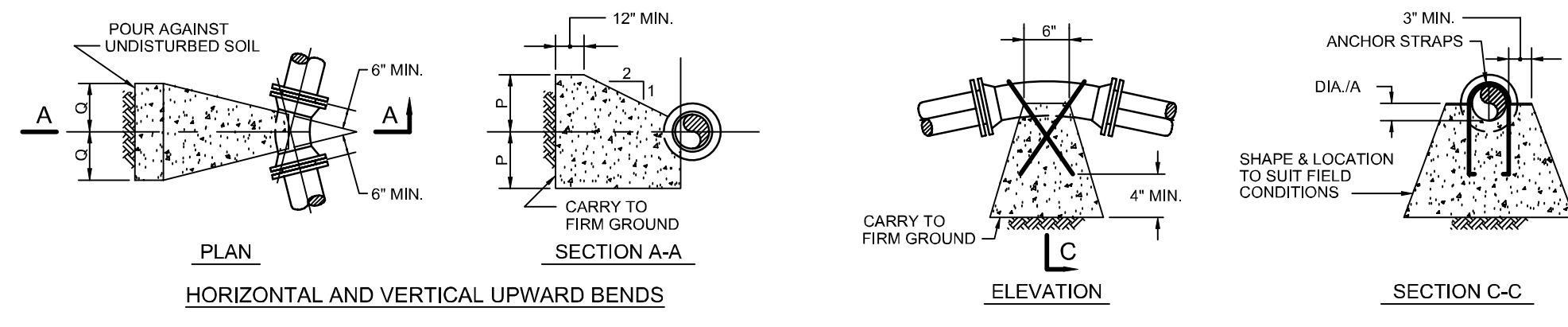
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Project Number	507102802
B/O	3
Total	13
Project Start	02/03/24
Project End	AW
Description	MIDLAND PARK SITE PLAN APPLICATION
Ch'k'd	SBP ECS
App'd	

EARL C. SCHNEIDER
 NJ PROFESSIONAL ENGINEER LIC. No. 39397

Earl Schneider
 Digitally signed by Earl Schneider
 DN: cn=Earl Schneider, c=US,
 o=Mott MacDonald, ou=Water Group,
 email=earl.schneider@mottmac.com
 Date: 2024.03.01 08:32:17 -0500

Designed	A. GREEN	Eng check	S. PENDERGRASS
Drawn	A. GREEN	Coordination	S. PENDERGRASS
Dwg check	S. PENDERGRASS	Approved	E. SCHNEIDER
Scale at ANSI D	1" = 20'	Status	90%
Rev	0	Security	STD
Drawing Number	C102		

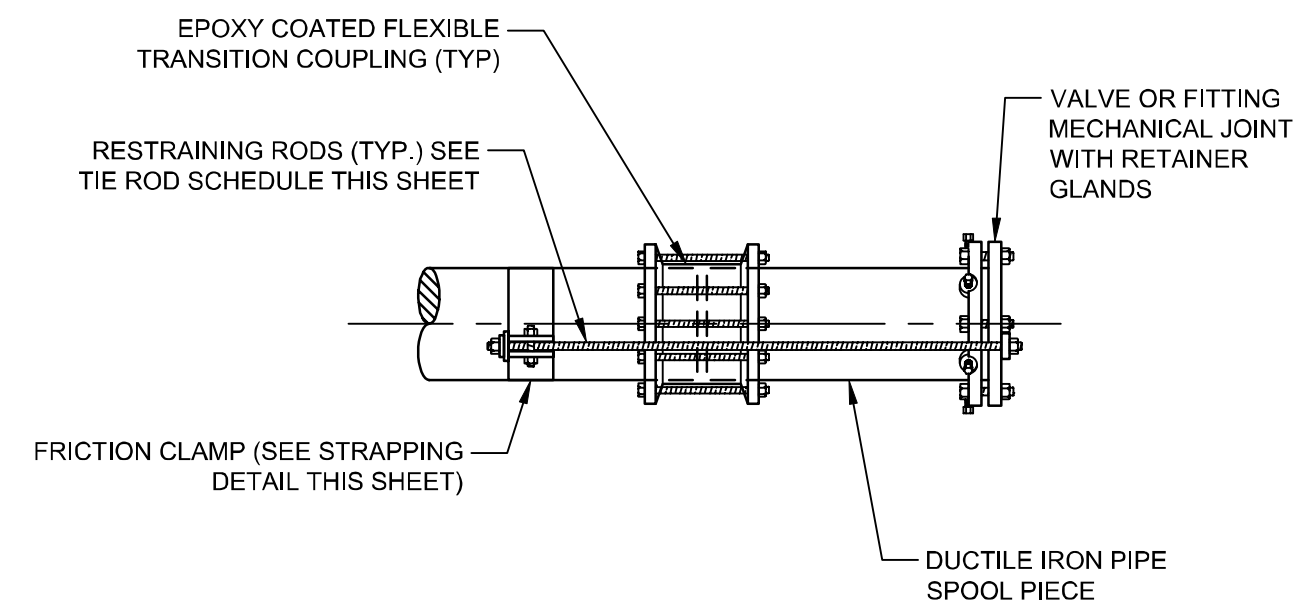
Title: **WORTENDYKE PFAS TREATMENT FACILITY CIVIL SITE PLAN**



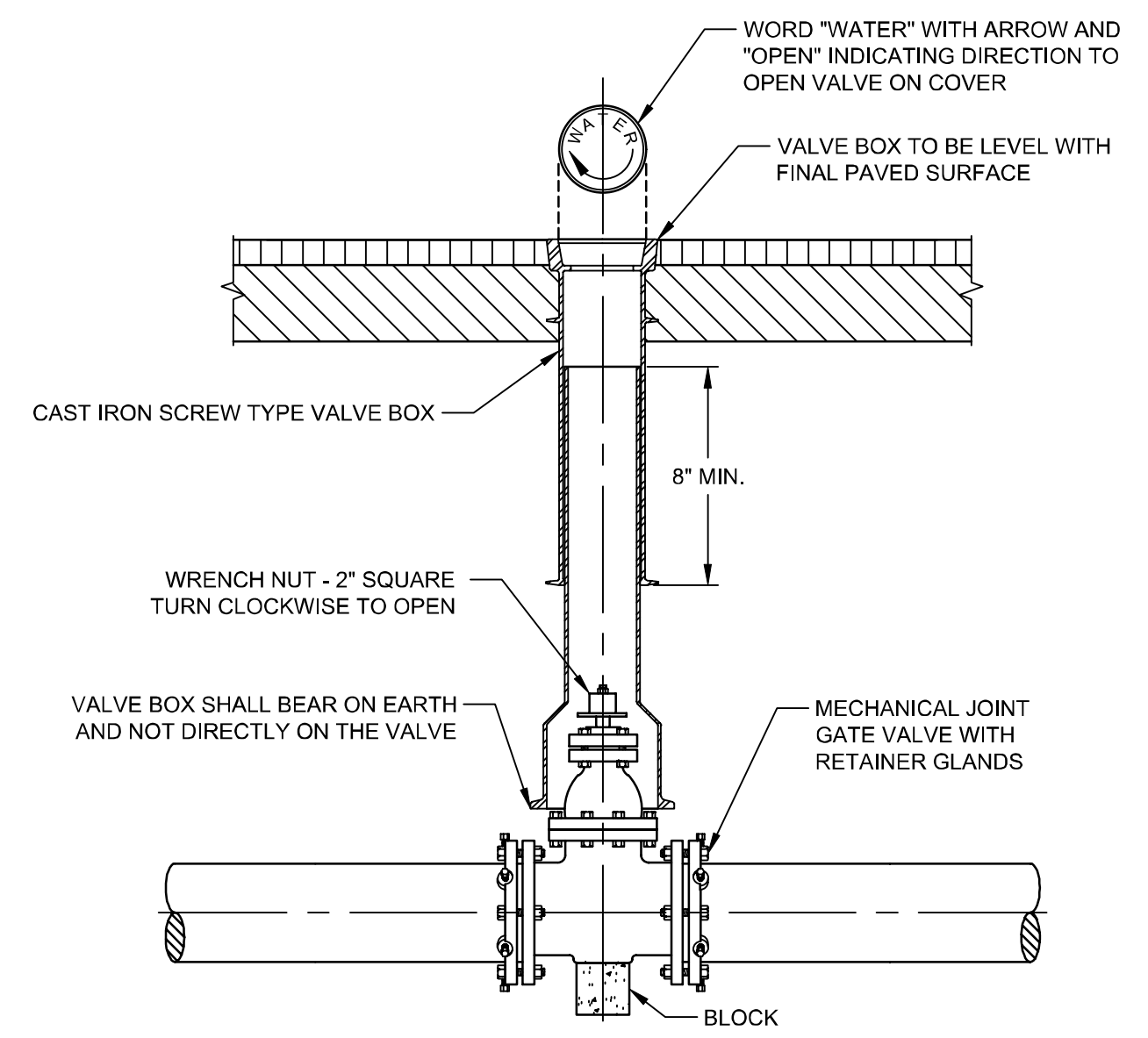
THRUST BLOCKS FOR TEES, HORIZ. & VERTICAL BENDS AND PLUGS				
DESCRIPTION	DIMENSION	8"Ø	10"Ø	12"Ø
TEES	N	1'-8"	1'-10"	2'-0"
	O	1'-9"	2'-4"	2'-11"
	P	1'-6"	1'-8"	1'-10"
90° BENDS	Q	2'-9"	3'-7"	4'-6"
	P	1'-4"	1'-6"	1'-8"
45° BENDS	Q	1'-8"	2'-2"	2'-8"
	P	1'-2"	1'-4"	1'-6"
22½° BENDS	Q	1'-0"	1'-3"	1'-6"
	P	1'-0"	1'-4"	1'-8"
1½° BENDS	Q	0'-7"	0'-9"	0'-11"
	P	1'-0"	1'-2"	1'-4"
VERTICAL DOWNWARD	45° BENDS	MIN. CONC. ANCHORAGE	3.37 CY	5.07 CY
	22½° BENDS	MIN. CONC. ANCHORAGE	1.82 CY	2.47 CY
	1½° BENDS	MIN. CONC. ANCHORAGE	0.41 CY	1.40 CY
PLUGS	R	1'-8"	1'-10"	2'-0"
	S	1'-9"	2'-4"	2'-11"

NOTES:
1. THRUST BLOCKS SHALL BE PROVIDED FOR ALL FITTINGS. UNLESS OTHERWISE APPROVED, THRUST BLOCKS SHALL NOT BE USED IN LIEU OF RESTRAINED JOINTS.

THRUST BLOCK DETAIL 1
NTS



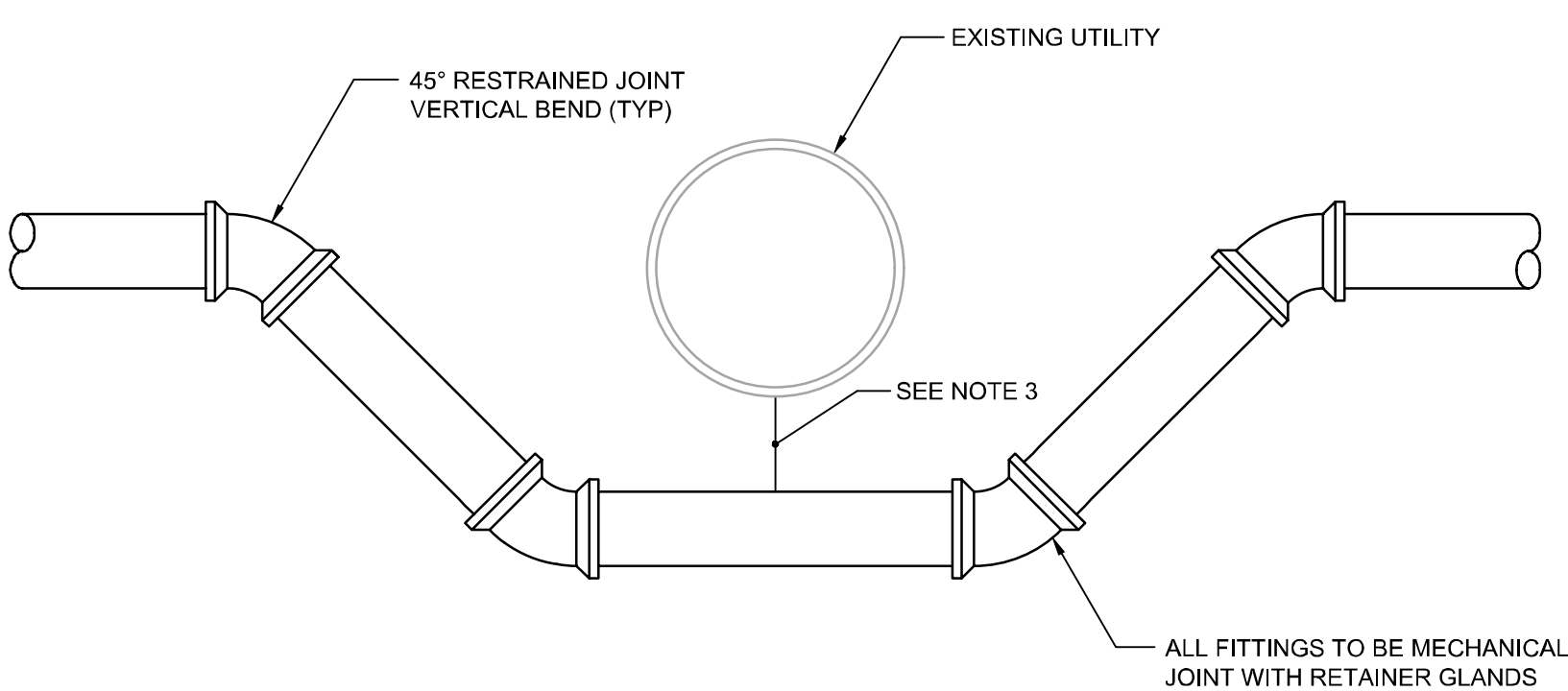
FLEXIBLE COUPLING DETAIL 2
NTS



NOTES:
1. MECHANICAL JOINT SOLID SLEEVES SHALL BE REQUIRED WHEN CONNECTING TO EXISTING DUCTILE IRON WATER MAIN. WHENEVER CONNECTING TO EXISTING CAST IRON WATER MAIN, FLEXIBLE COUPLINGS SHALL BE USED AND RESTRAINED AS SHOWN IN THE FLEXIBLE COUPLING DETAIL. INSTALLATION OF GATE VALVES ON EXISTING WATER MAIN SHALL BE PERFORMED DURING A FOUR HOUR SHUT DOWN TO BE COORDINATED WITH THE OWNER.

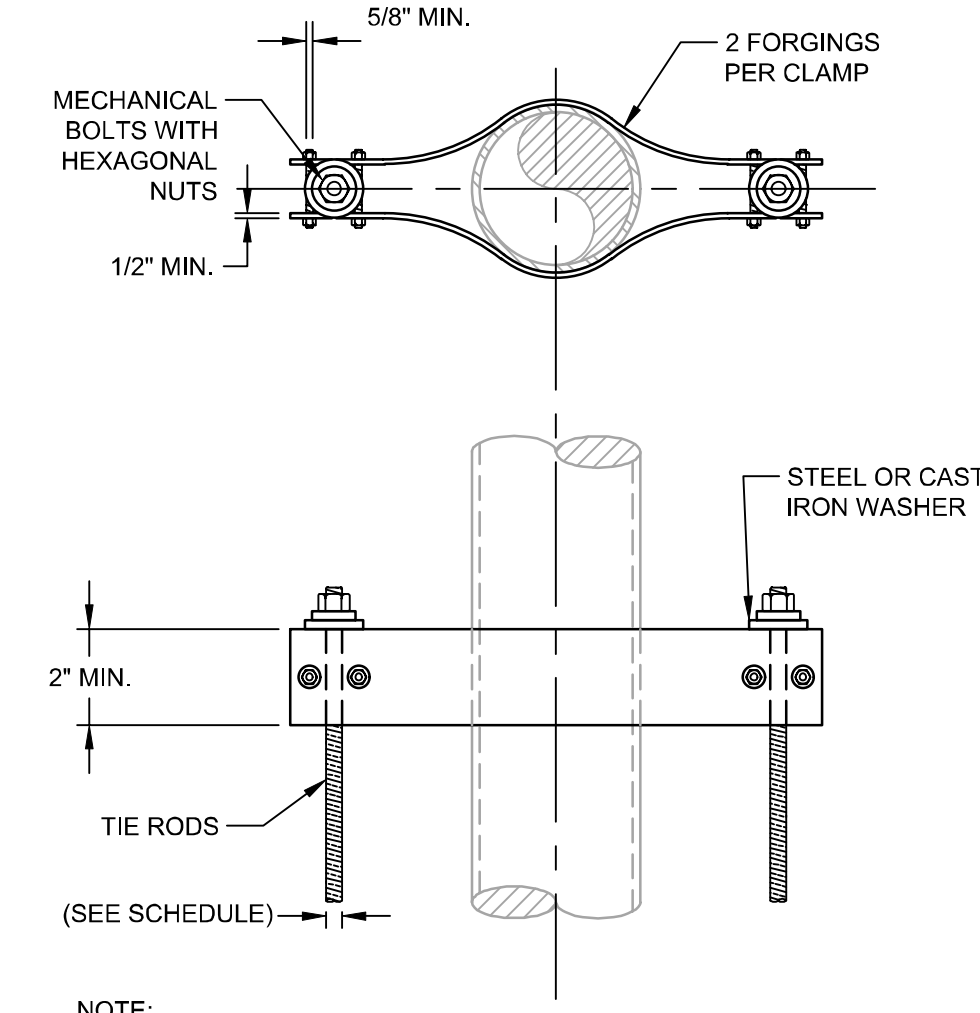
GATE VALVE INSTALLATION DETAIL 3
NTS

THRUST BLOCKS DESIGNED FOR 200 LB. PER SQ. IN. TEST PRESSURE AND 2000 LB. PER SQ. FT. SOIL PRESSURE.
* MIN. CONC. ANCHORAGE WITHOUT BACKFILL AND NO GROUND WATER CONDITION.



NOTES:
1. WATER MAIN MAY BE LOOPED ABOVE OBSTRUCTION IF 4' MINIMUM COVER IS MAINTAINED ABOVE MAIN.
2. WATER MAIN SHALL BE DUCTILE IRON CEMENT LINED PIPE. ALL JOINTS SHALL BE OF THE MECHANICAL JOINT TYPE.
3. MINIMUM CLEARANCE BETWEEN SANITARY SEWER AND WATER MAIN SHALL BE 18" VERTICAL AND 10' HORIZONTAL. WHEN NOT POSSIBLE TO INSTALL WATER MAIN OVER SANITARY SEWER, THEN THE WATER MAIN SHALL BE CONSTRUCTED USING FULLY RESTRAINED JOINTS ON EITHER SIDE OF THE CROSSING. CLEARANCE BETWEEN WATER MAIN AND OTHER OBSTRUCTIONS SHALL BE 12" VERTICAL.

SEWER BY-PASS DETAIL 4
NTS



NOTE:
1. TO BE ONLY USED WHERE DIRECTED AND AS APPROVED BY THE ENGINEER

NOMINAL PIPE DIAMETER	NUMBER OF RODS	ROD DIAMETER
8"Ø	4	5/8"
10"Ø	4	3/4"
12"Ø	4	7/8"

TYPICAL STRAPPING DETAIL FOR BURIED PIPE 5
NTS

WARNING

TAMPERING WITH THIS FACILITY IS A FEDERAL OFFENSE

US CODE TITLE 42, SECTION 300i-1

REPORT SUSPICIOUS ACTIVITY TO RIDGEWOOD WATER - 201-670-5520

OR CALL 911

NO TRESPASSING

SITE UNDER VIDEO SURVEILLANCE

NOTE:
1. INSTALL ON INSIDE OF SITE FENCE FACING OUTWARD AT LOCATIONS SPECIFIED ON SHEET C101
2. CONTRACTOR TO SUBMIT A PROOF OF SIGNS FOR APPROVAL BY OWNER

SECURITY SIGN DETAILS 6
NTS

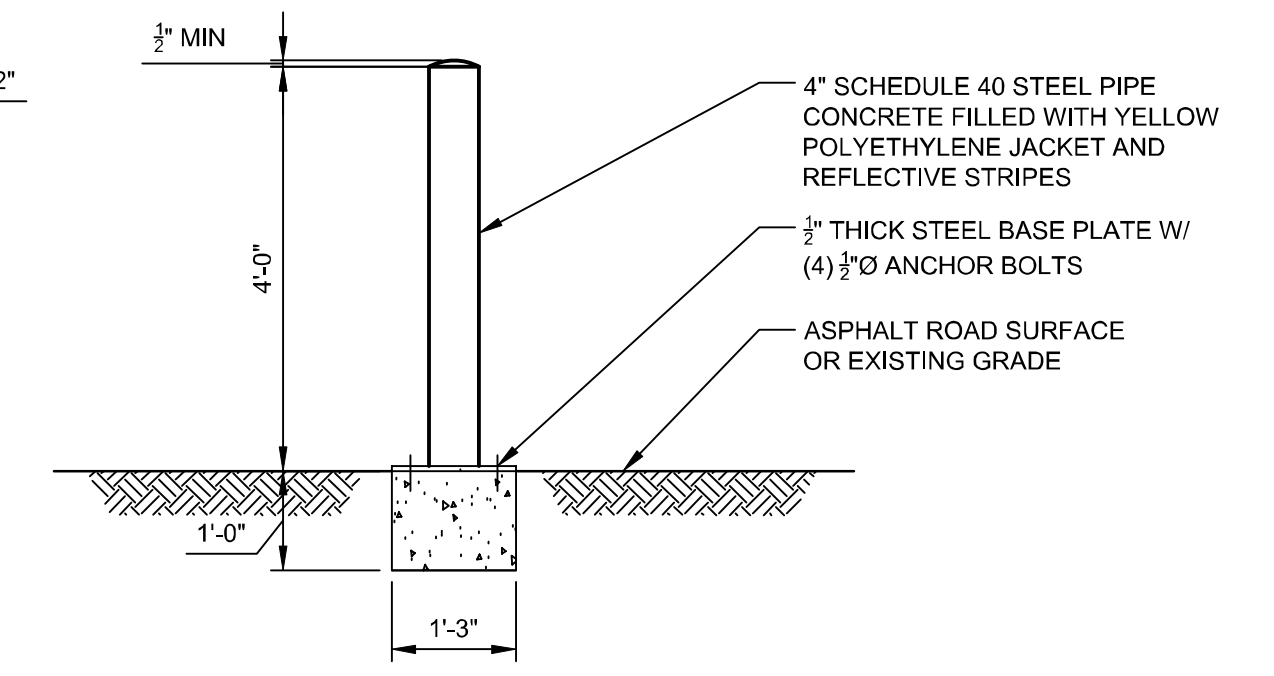
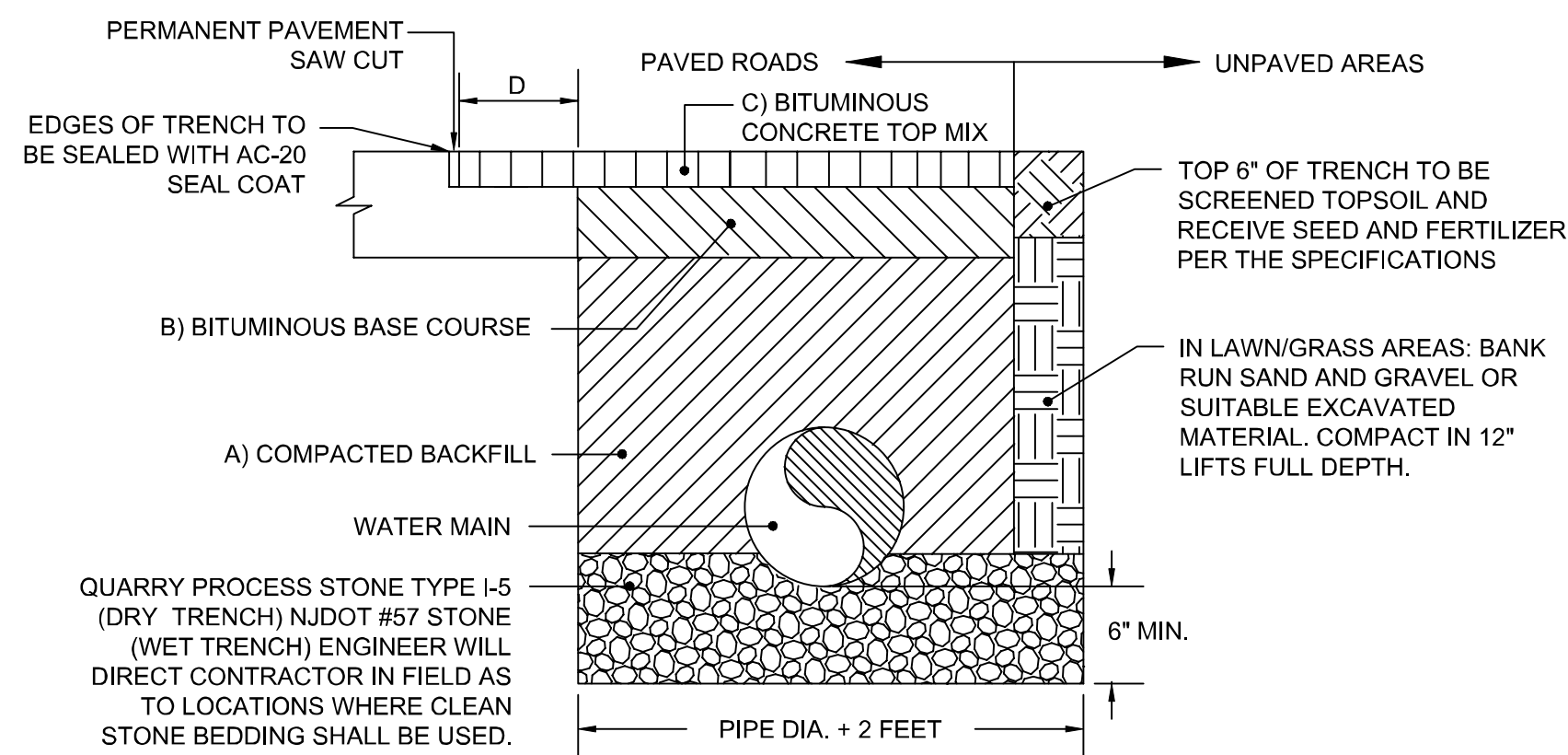


PLATE-MOUNTED BOLLARD DETAIL 7
NTS

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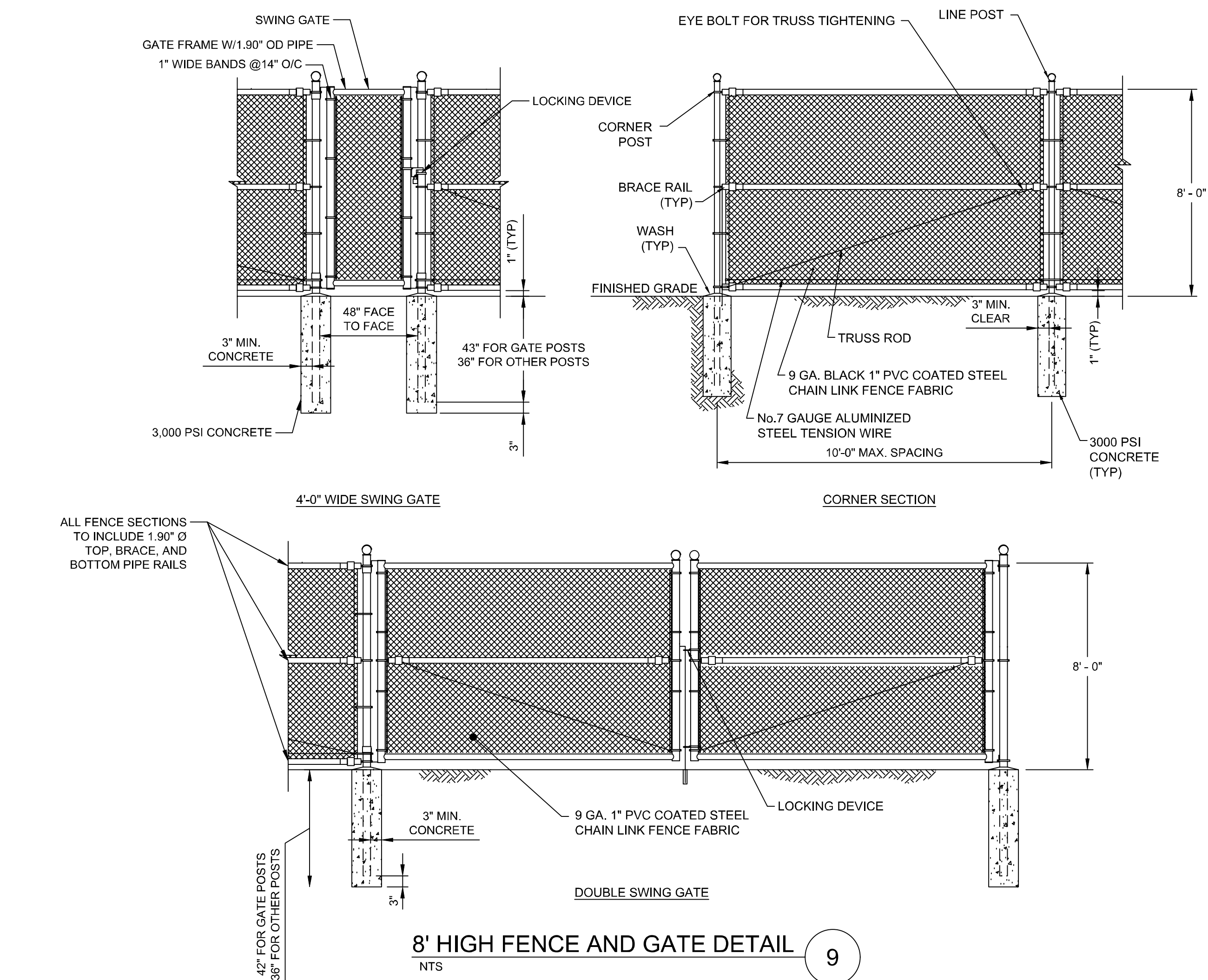
<p>M M MOTT MACDONALD Certificate No. 24GA28016600</p>	<p>111 Wood Avenue South Iselin, New Jersey 08830-1005 United States</p>	<p>RIDGEWOOD WATER 111 NORTH MAPLE AVENUE RIDGEWOOD, NJ 07450</p>								<p>Earl C. Schneider NJ PROFESSIONAL ENGINEER LIC. No. 39397</p> <p>Earl Schneider Digitally signed by Earl Schneider DN: cn=Earl Schneider, c=US, o=Mott MacDonald, ou=Water Group, email=earl.schneider@mottmac.com Date: 2024.03.01 08:32:31 -0500</p>	Designed	S. BROCKLISS	Eng check	S. PENDERGRASS	<p>Title WORTENDYKE PFAS TREATMENT FACILITY CIVIL CONSTRUCTION DETAILS SHEET 1 OF 3</p>	
												Drawn	S. BROCKLISS	Coordination		S. PENDERGRASS
												Dwg check	S. PENDERGRASS	Approved		E. SCHNEIDER
												Scale at ANSI D	NTS	Status		90%
									Project Number	507102802	B/O	4	Total	13	Drawing Number	C501



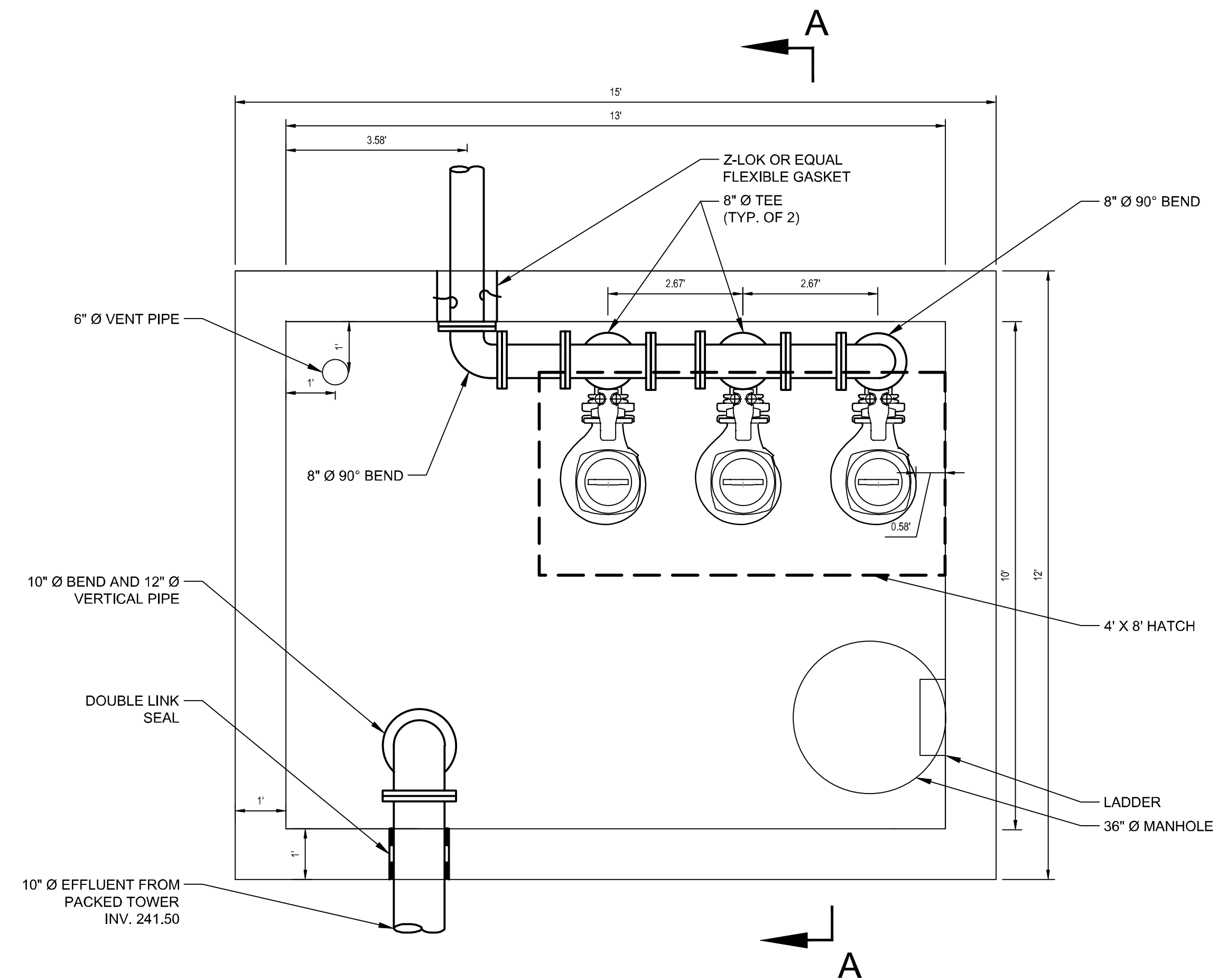
LEVEL	FACILITY DRIVEWAY	BOROUGH OF MIDLAND PARK
A	DENSITY GRADED AGGREGATE COMPACTED IN 1 FT. LIFTS	DENSITY GRADED AGGREGATE COMPACTED IN 1-FT LIFTS
B	3.5\"/>	

NOTE:
CONTRACTOR TO OBTAIN ALL APPLICABLE ROAD OPENING PERMITS

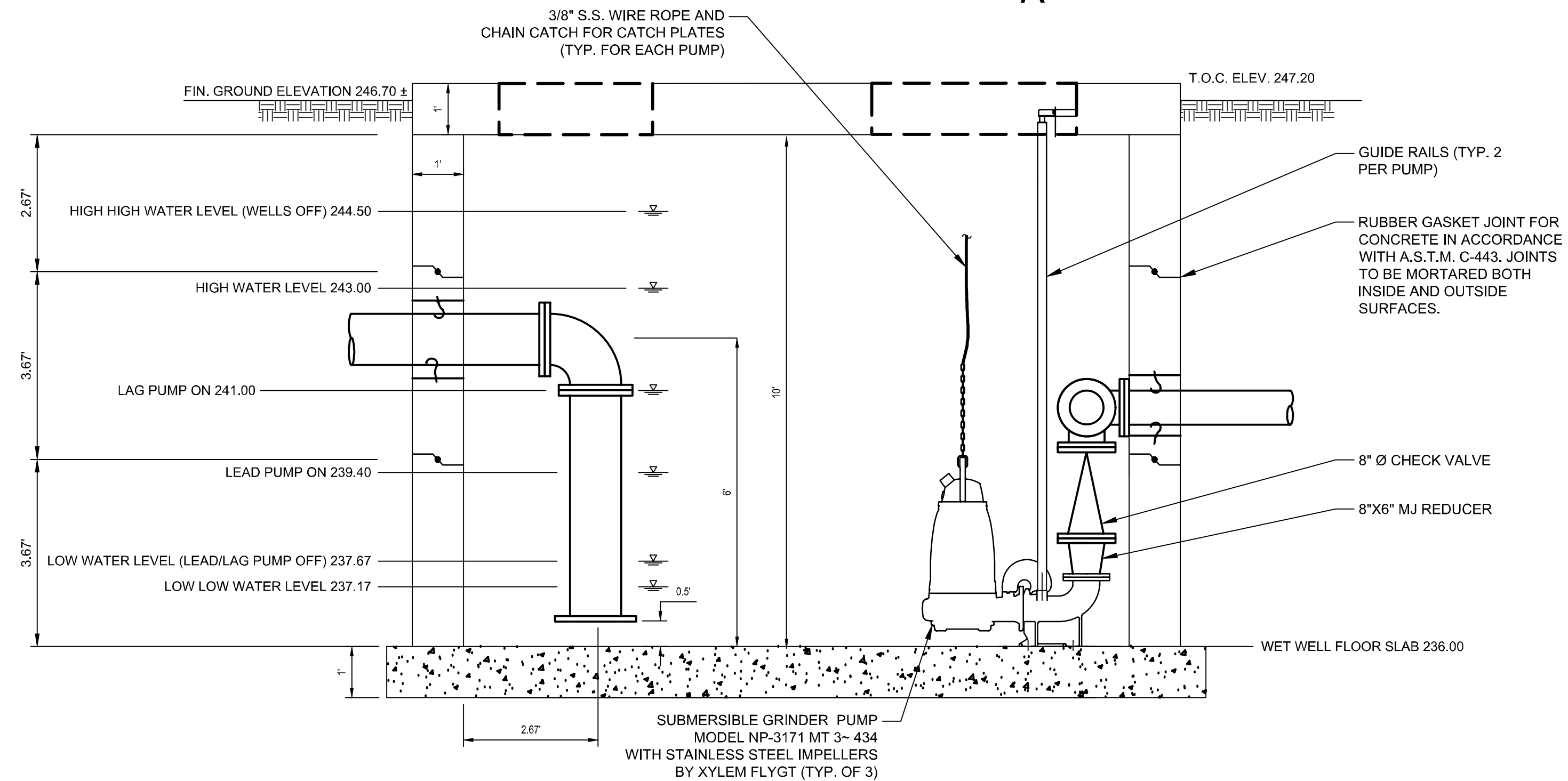
PAVEMENT AND TRENCH RESTORATION DETAIL 8
NTS



8' HIGH FENCE AND GATE DETAIL 9
NTS



INTERMEDIATE PUMP STATION PLAN 10
NTS



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Client
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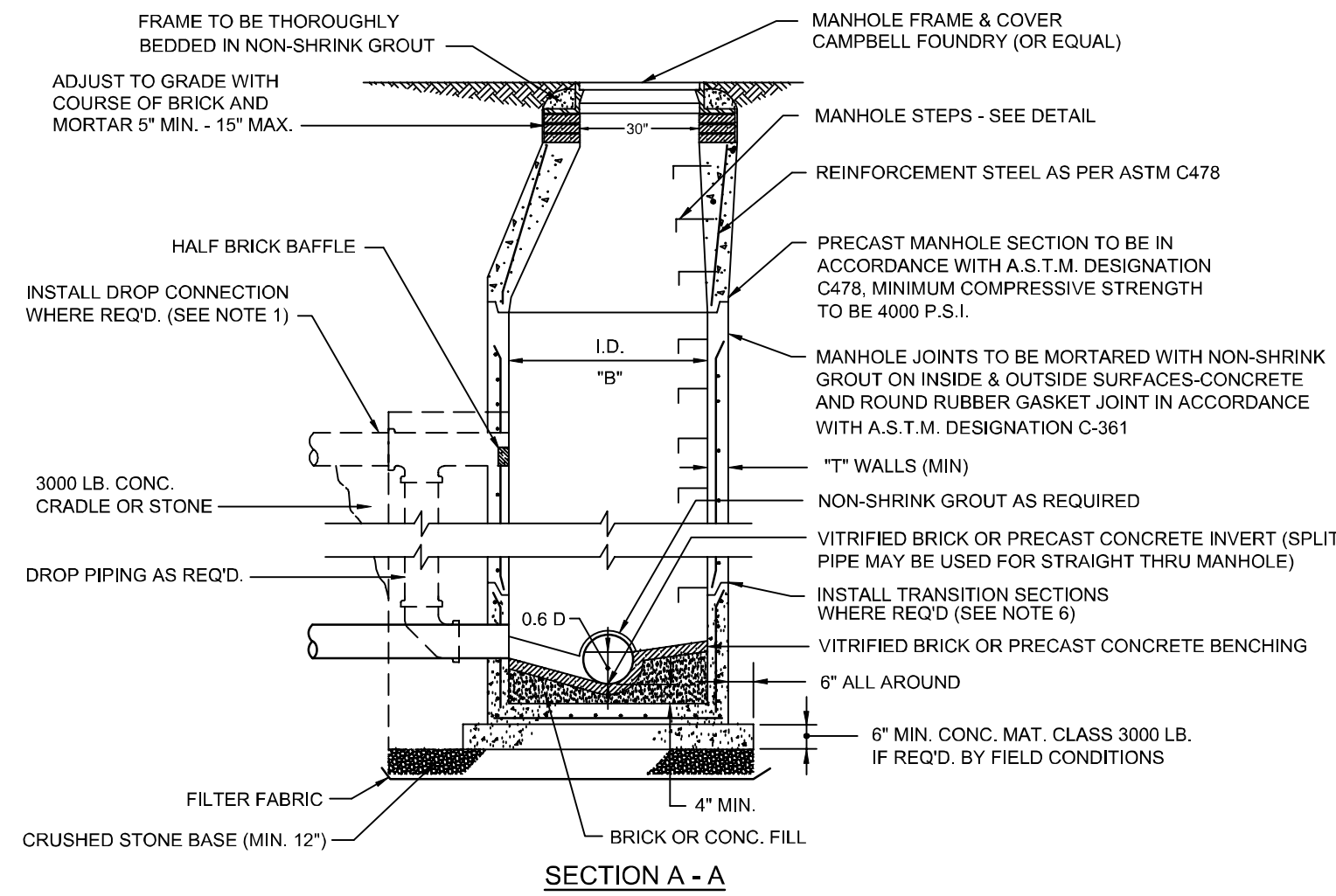
Rev	Date	Drawn	Description	Ch'k'd	App'd
0	02/03/24	AW	MIDLAND PARK SITE PLAN APPLICATION	SBP	ECS

EARL C. SCHNEIDER
 NJ PROFESSIONAL ENGINEER LIC. No. 39397
Earl Schneider
 Digitally signed by Earl Schneider
 DN: cn=Earl Schneider, c=US,
 o=Mott MacDonald, ou=Water
 Group,
 email=earl.schneider@mottmac.com
 Date: 2024.03.01 08:32:42 -05'00'

Project Number: **507102802**
 B/O: **5**
 Total: **13**

Designed	S. BROCKLISS	Eng check	S. PENDERGRASS
Drawn	S. BROCKLISS	Coordination	S. PENDERGRASS
Dwg check	S. PENDERGRASS	Approved	E. SCHNEIDER
Scale at ANSI D	Status	Rev	Security
NTS	90%	0	STD
Drawing Number	C502		

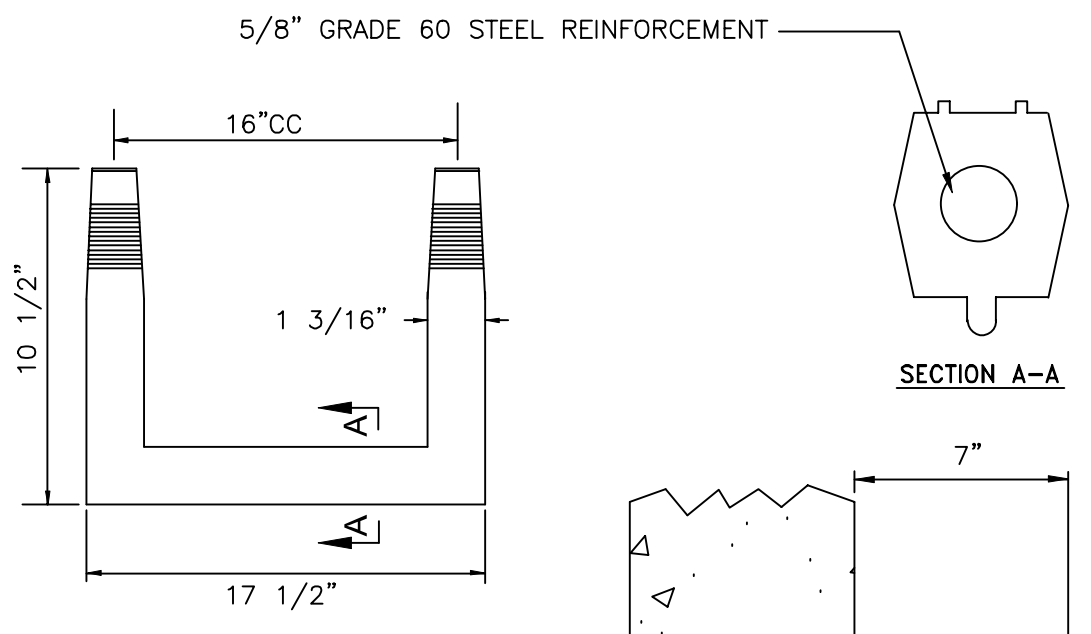
Title
WORTENDYKE PFAS TREATMENT FACILITY
 CIVIL
 CONSTRUCTION DETAILS
 SHEET 2 OF 3



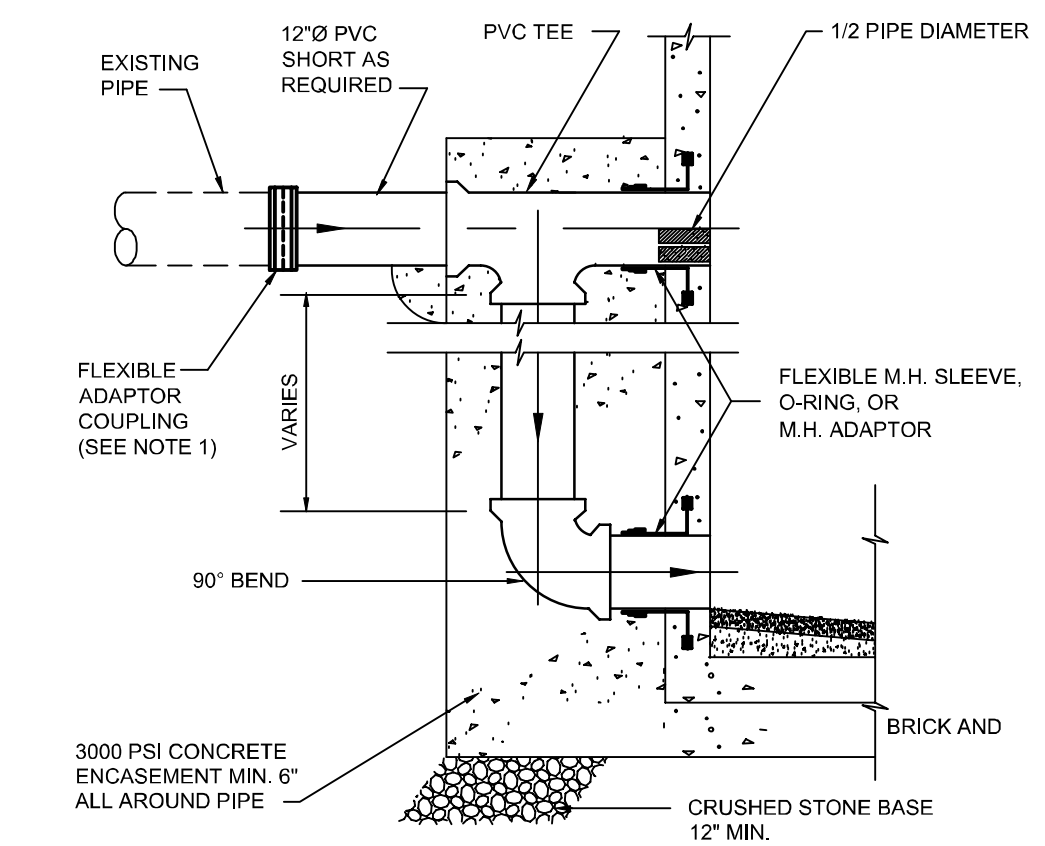
MH BASE I.D. "B"	MAXIMUM NOMINAL PIPE SIZE (REGARDLESS OF MATERIAL)		MH WALL THICKNESS "T"
	STRAIGHT THRU TO 45° DEFLECTION	90° DEFLECTION	
4-FT	24"Ø	18"Ø	5"
5-FT	36"Ø	27"Ø	6"
6-FT	42"Ø	30"Ø	7"
7-FT	48"Ø	36"Ø	8"
8-FT	60"Ø	42"Ø	9"

- NOTES:**
- DROP CONNECTION TO BE USED IN ALL CASES WHERE DIFFERENCE IN INLET & OUTLET INVERTS IS GREATER THAN 2 FEET. (SEE DROP CONNECTION DETAIL).
 - ENTIRE EXTERIOR TO RECEIVE COATING OF BITUMINOUS SEALER.
 - FLAT TOP TO BE USED ONLY WHERE SHALLOW CONDITIONS DO NOT PERMIT USE OF CONE SECTION. (SEE FLAT TOP DETAIL).
 - ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST O.S.H.A. STANDARDS.
 - CONNECTIONS INTO EXISTING MANHOLES SHALL BE COMPLETED USING A SUITABLE ADAPTOR AS APPROVED BY THE ENGINEER.
 - WHEN A MANHOLE BASE I.D. OF GREATER THAN 48"Ø IS REQUIRED, THE CONTRACTOR SHALL PROVIDE TRANSITION SECTIONS, STARTING AT A MINIMUM 6" ABOVE THE INLET PIPE O.D., BEFORE TRANSITION TO THE 30"Ø MANHOLE OPENING.

STANDARD SEWER MANHOLE
(NOT TO SCALE)

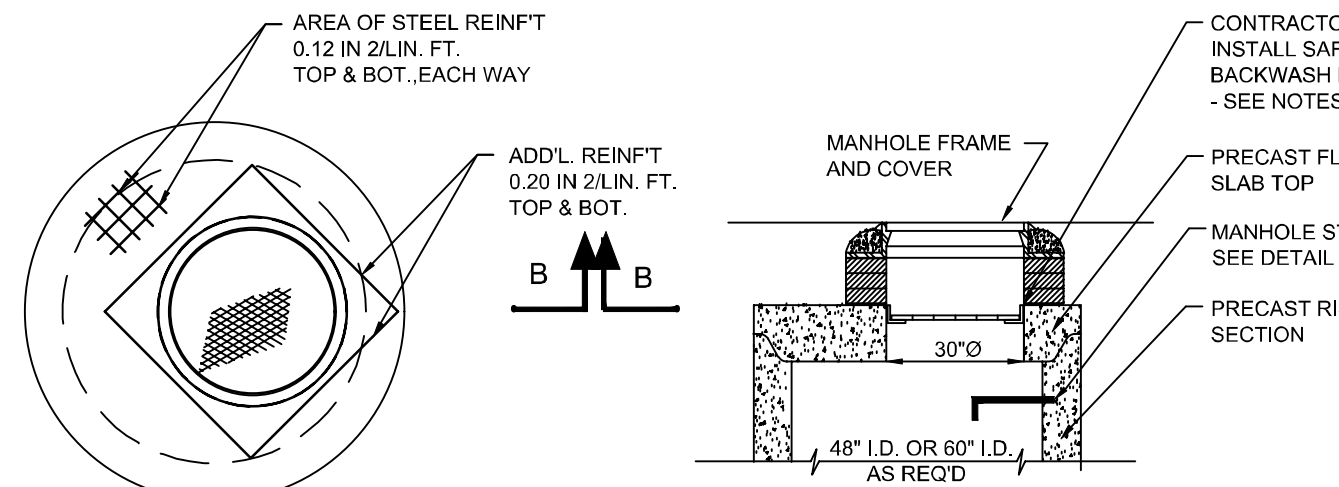


POLYPROPYLENE MANHOLE STEP DETAIL
(NOT TO SCALE)



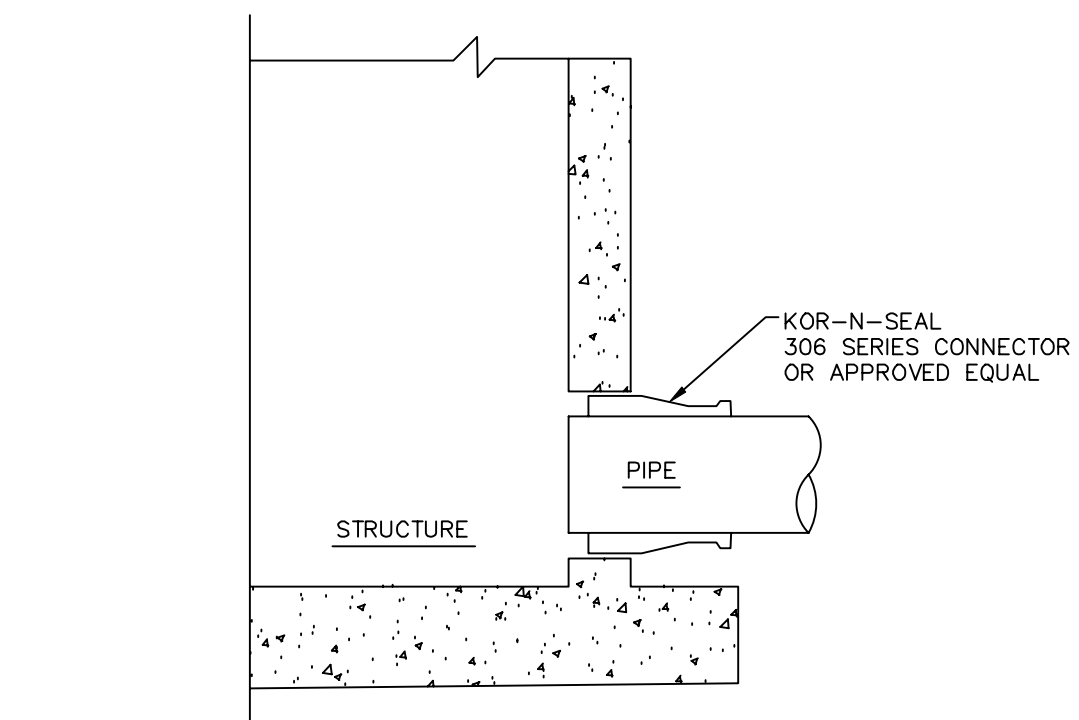
- NOTES:**
- CONNECTION OF NEW PVC TO EXISTING VCP SHALL BE MADE ON UNDISTURBED GROUND.
 - THE COST FOR THE PVC SHORT AND THE FLEXIBLE ADAPTOR COUPLING SHALL BE INCLUDED IN THE PRICES BID FOR MANHOLES.

EXTERIOR DROP CONNECTION DETAIL
(NOT TO SCALE)

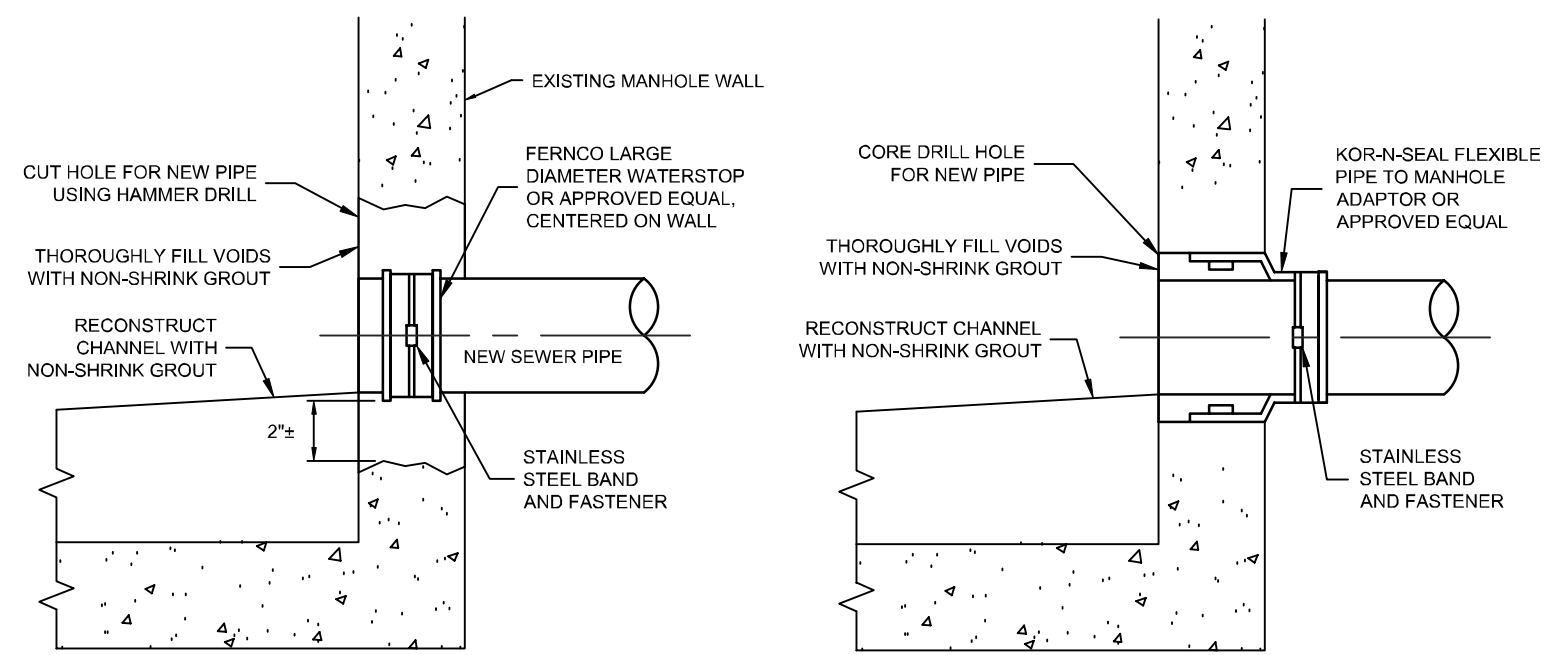


- NOTES:**
- PRECAST MANUFACTURER TO PROVIDE CONTINUOUS L4X4X3/8 STAINLESS STEEL ANGLE SUPPORT FOR GRATING AROUND INSIDE OF MANHOLE AS SHOWN. ANCHOR SUPPORT TO BE PROVIDED WITH (Ø) 5/8" DIA THREADED RODS, DRILLED AND ANCHORED INTO CONCRETE WITH HILTI HIT-HY 200 USING 6" EMBEDMENT.
 - CONTRACTOR TO FURNISH AND INSTALL 24" OHIO GRATING 19-SGS-4 3/4"x3/16" GRATING OR EQUAL.

FLAT SLAB TOP
(NOT TO SCALE)

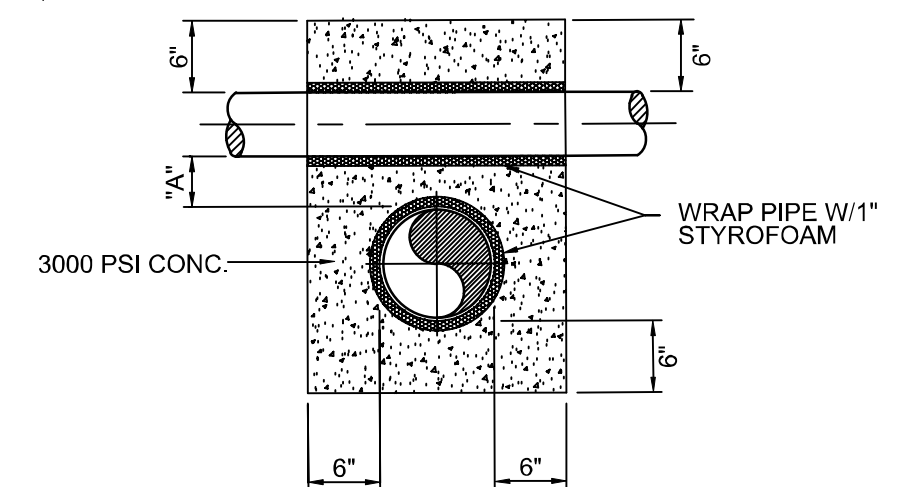


STRUCTURE TO PIPE WATERTIGHT JOINT
(NOT TO SCALE)

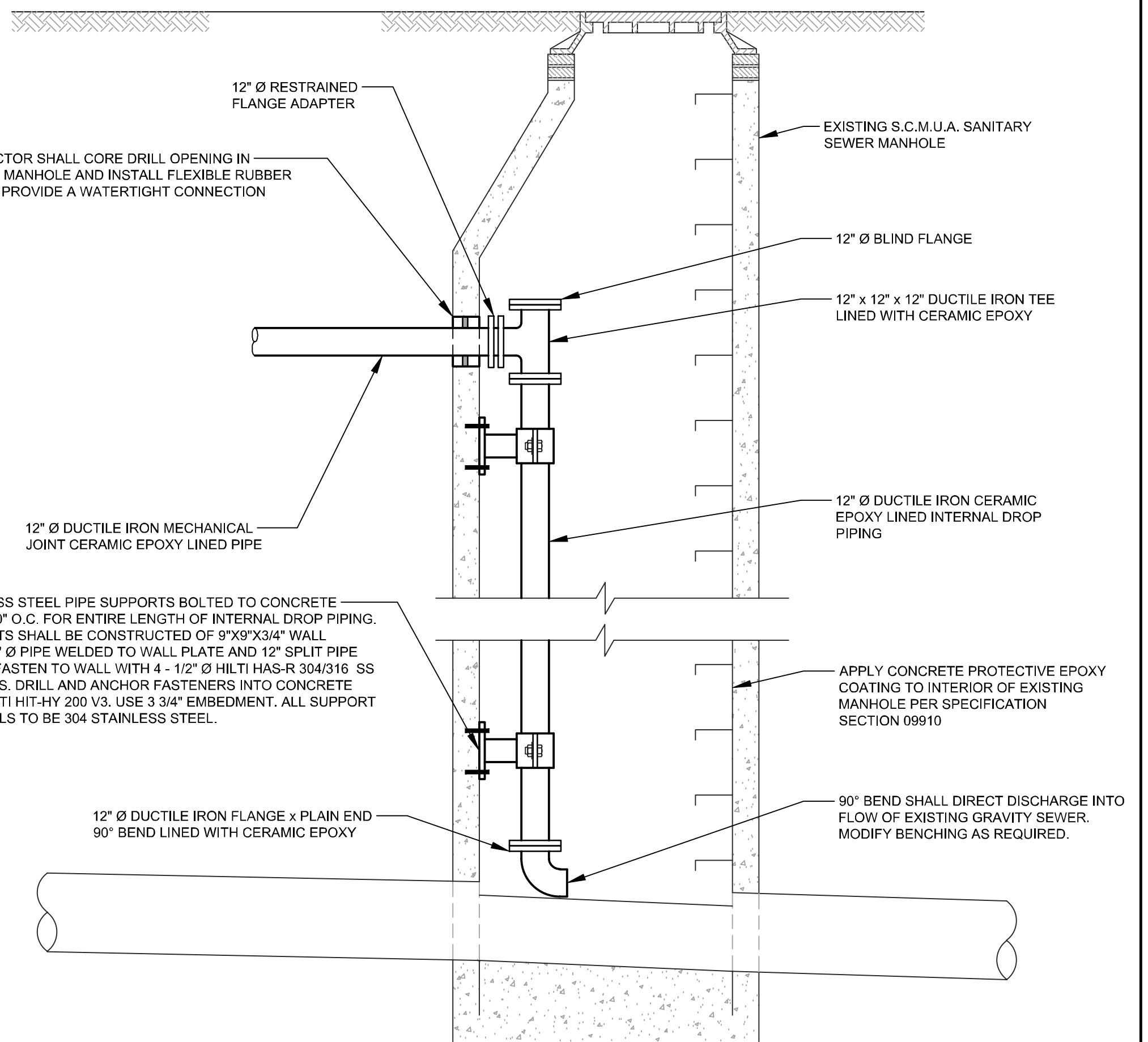


- NOTES:**
- CORE DRILL WALL OPENING FOR NEW PIPE WHERE POSSIBLE AND CONNECT PIPE TO MANHOLE WITH KOR-N-SEAL TYPE FLEXIBLE ADAPTOR.
 - WHERE EXISTING MANHOLE CONSTRUCTION PRECLUDES CORE DRILLING CUT WALL OPENING WITH HAMMER DRILL AND UTILIZE FERROCO TYPE WATER STOP.
 - NON-SHRINK GROUT TO BE FIVE STAR STRUCTURAL CONCRETE OR APPROVED EQUAL.
 - FOR LARGE DIAMETER PIPE PENETRATIONS (>15"Ø) SEE WALL PENETRATION DETAIL ON THIS SHEET.
 - FOR CONNECTING RCP PIPE, RX-WATERS TOP, OR APPROVED EQUAL, SHALL BE INSTALLED AROUND CIRCUMFERENCE OF PIPE AND CENTERED ON MANHOLE WALL.

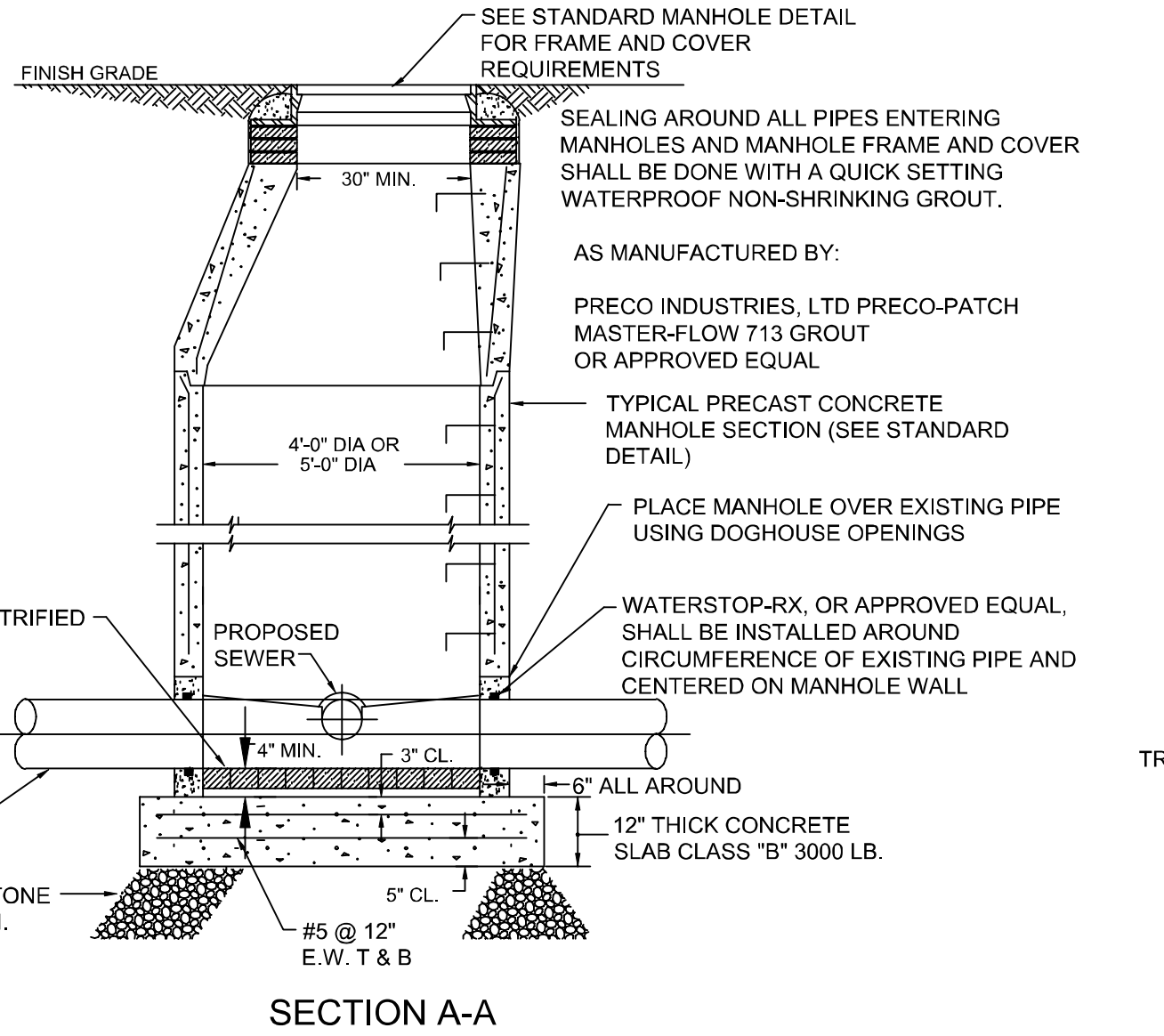
EXISTING MANHOLE/CHAMBER WALL PIPE PENETRATION
(NOT TO SCALE)



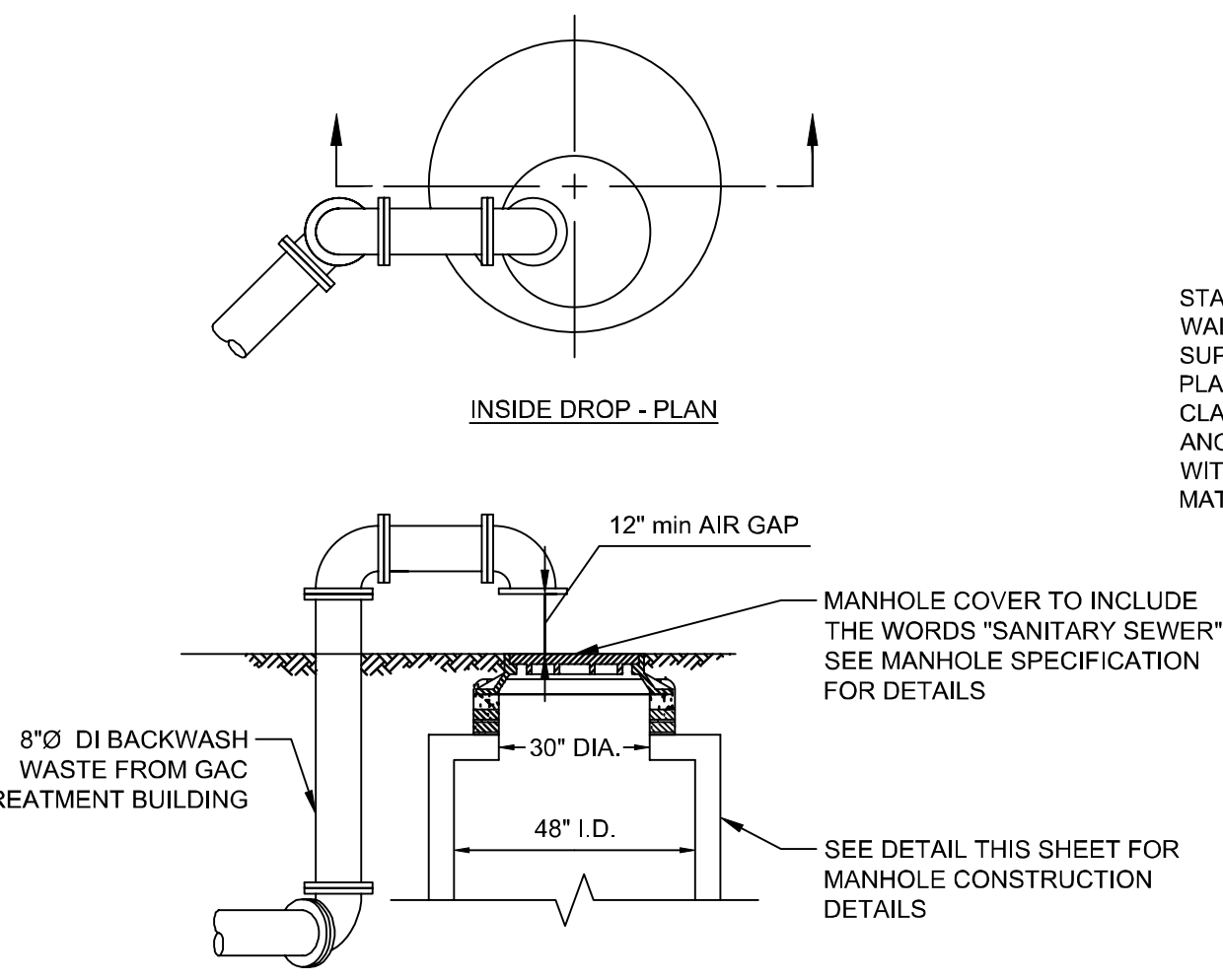
PIPE CROSSING DETAIL
(NOT TO SCALE)



INTERNAL DROP CONNECTION TO EXISTING MANHOLE
(NOT TO SCALE)



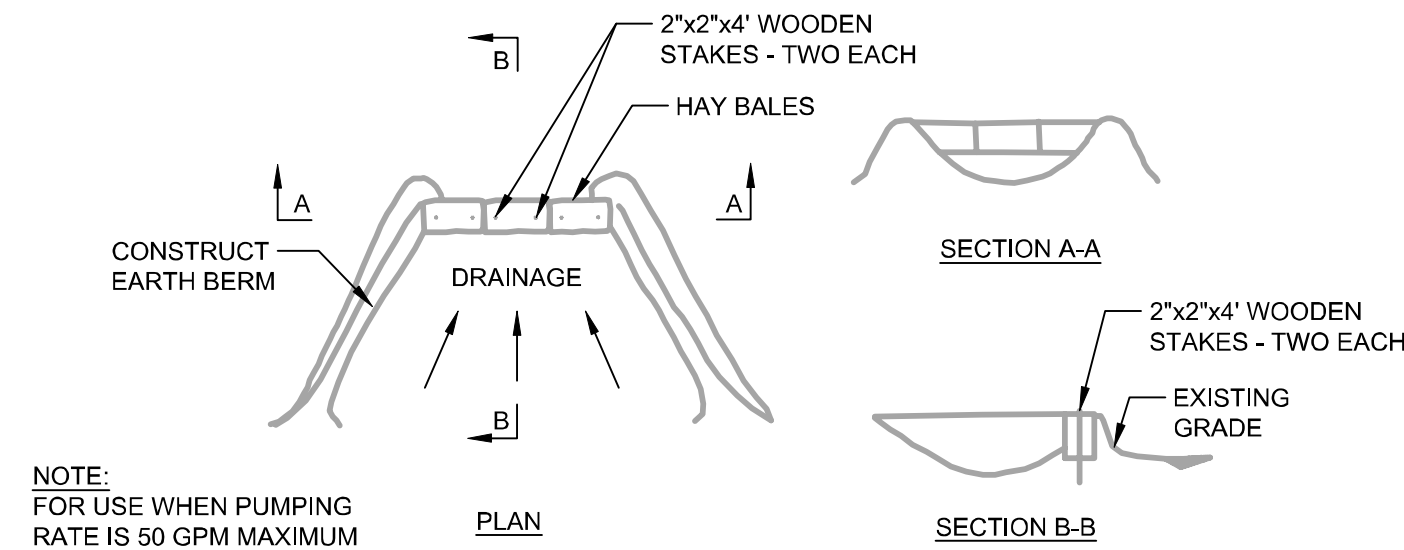
DOGHOUSE MANHOLE (FULL OPEN BASE)
(NOT TO SCALE)



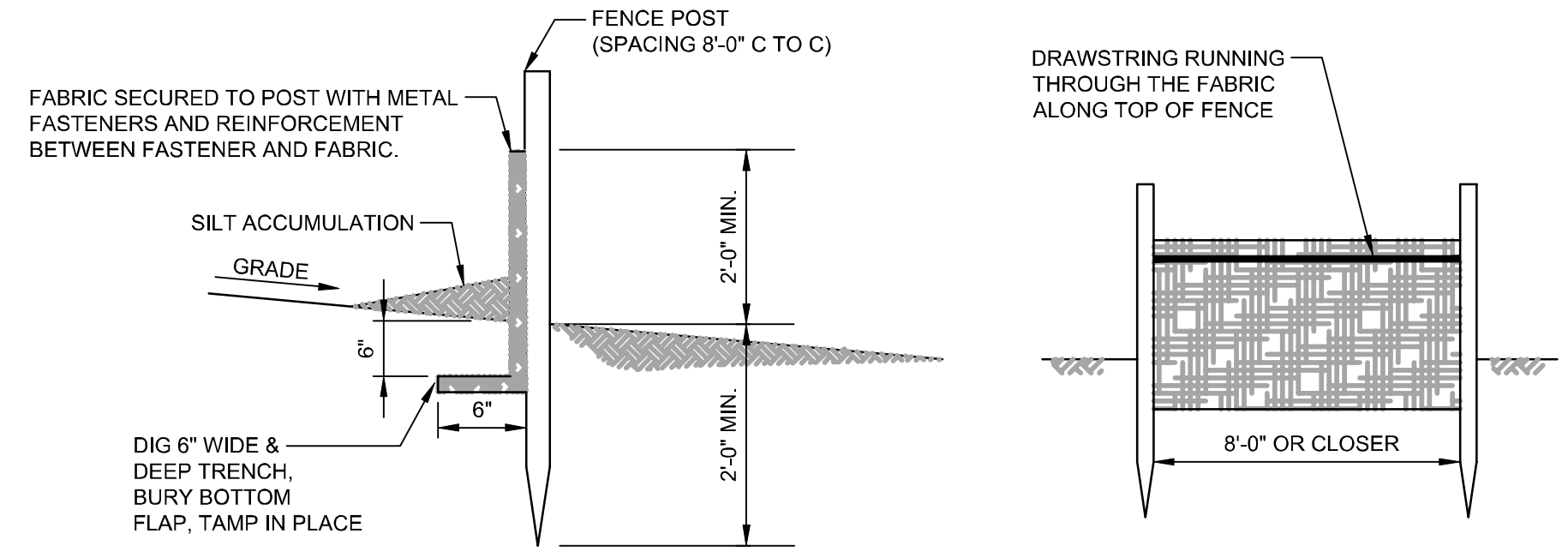
SANITARY MANHOLE GOOSENECK DETAIL
(NOT TO SCALE)

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 111 Wood Avenue South Iselin, New Jersey 08830-1005 United States T +1 973-379-3400 F +1 973-376-1072 www.mottmacamericas.com	Client RIDGEWOOD WATER 111 NORTH MAPLE AVENUE RIDGEWOOD, NJ 07450	Project Number 507102802	B/O 6	Total 13	Designed M.MACHALABA	Eng check S.PENDERGRASS	Title WORTENDYKE PFAS TREATMENT FACILITY CIVIL CONSTRUCTION DETAILS SHEET 3 OF 3			
		Drawn M.MACHALABA	Coordination S.PENDERGRASS	Dwg check A. GREEN	Approved E. SCHNEIDER	Scale at ANSI D NTS		Status 90%	Rev 0	Security STD
		Drawing Number C503								
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0 02/03/24 AW MIDLAND PARK SITE PLAN APPLICATION SBP ECS		Rev Date Drawn Description Ch'k'd App'd								

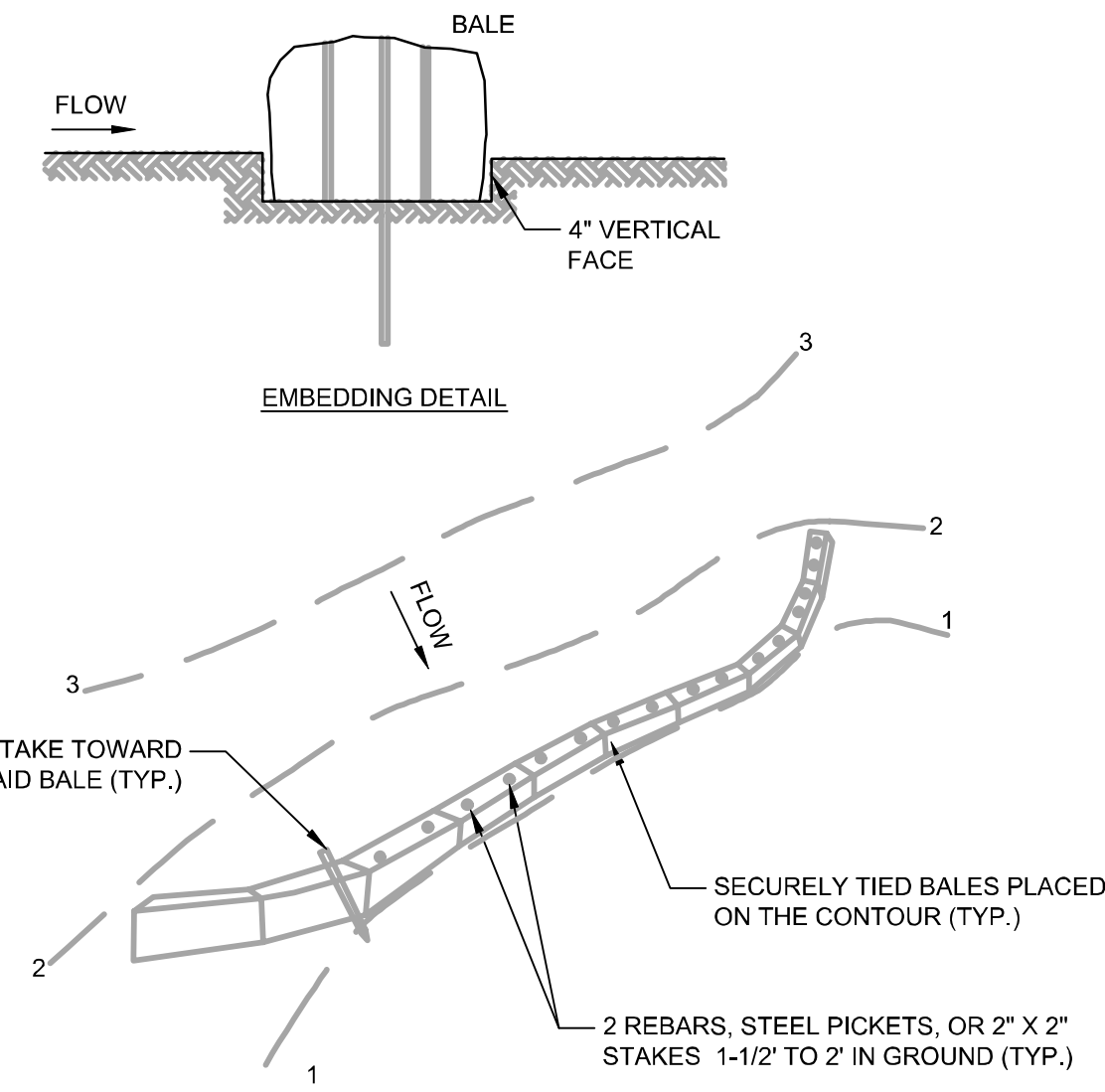


SEDIMENT TRAP DETAIL FOR TRENCH DEWATERING OPERATIONS
NTS

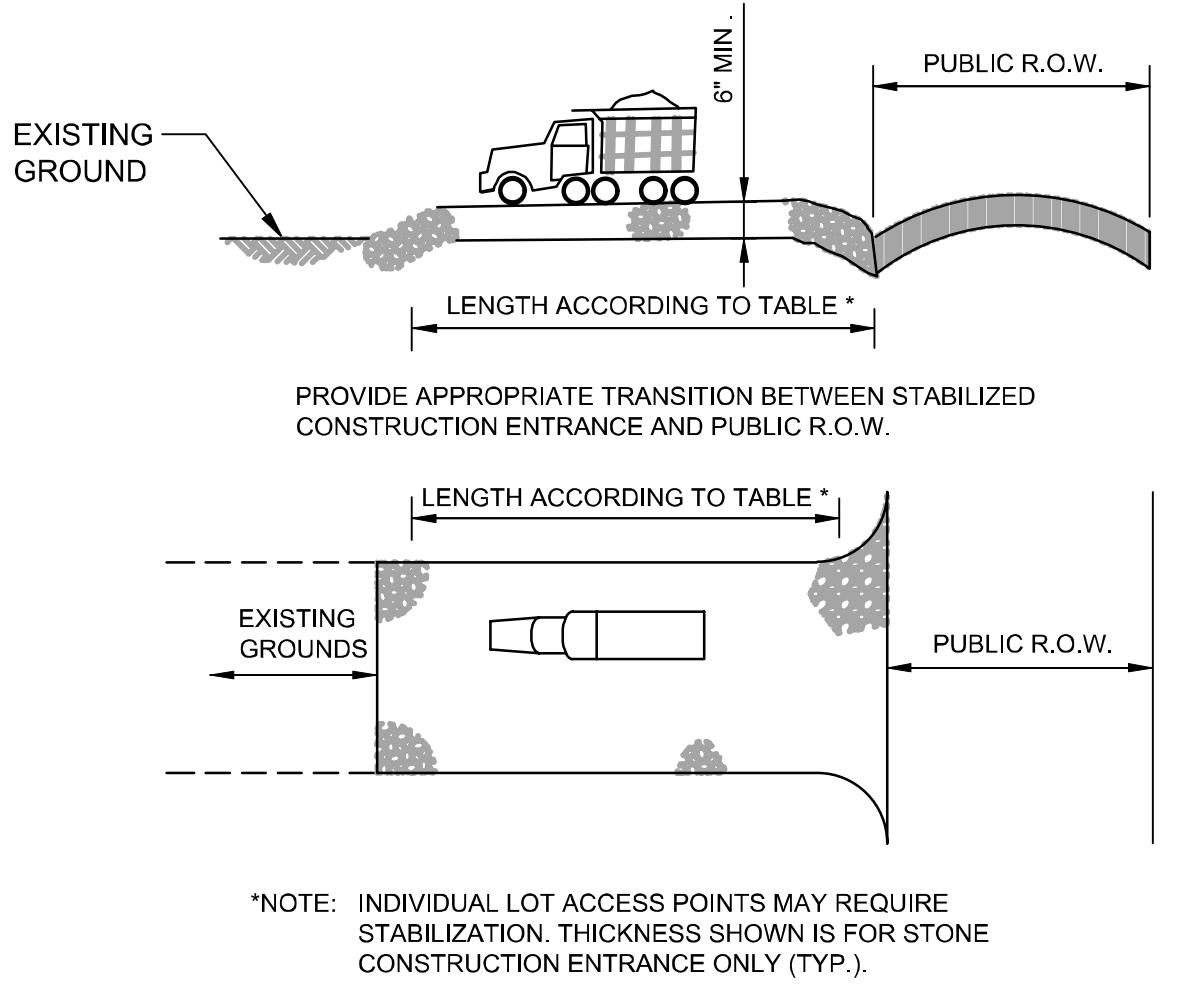


- REQUIREMENTS FOR SILT FENCE:**
- FENCE POSTS SHALL BE SPACED 8 FEET CENTER-TO-CENTER OR CLOSER. THEY SHALL EXTEND AT LEAST 2 FEET INTO THE GROUND AND EXTEND AT LEAST 2 FEET ABOVE GROUND. POSTS SHALL BE CONSTRUCTED OF HARDWOOD WITH A MINIMUM DIAMETER THICKNESS OF 1-1/2 INCHES.
 - A METAL FENCE WITH 6 INCH OR SMALLER OPENINGS AND AT LEAST 2 FEET HIGH MAY BE UTILIZED, FASTENED TO THE FENCE POSTS, TO PROVIDE REINFORCEMENT AND SUPPORT TO THE GEOTEXTILE FABRIC WHERE SPACE FOR OTHER PRACTICES IS LIMITED AND HEAVY SEDIMENT LOADING IS EXPECTED.
 - A GEOTEXTILE FABRIC, RECOMMENDED FOR SUCH USE BY THE MANUFACTURER, SHALL BE BURIED AT LEAST 6 INCHES DEEP IN THE GROUND. THE FABRIC SHALL EXTEND AT LEAST 2 FEET ABOVE THE GROUND. THE FABRIC MUST BE SECURELY FASTENED TO THE POSTS USING A SYSTEM CONSISTING OF METAL FASTENERS (NAILS OR STAPLES) AND A HIGH STRENGTH REINFORCEMENT MATERIAL (NYLON WEBBING, GROMMETS, WASHERS, ETC.) PLACED BETWEEN THE FASTENER AND THE GEOTEXTILE FABRIC. THE FASTENING SYSTEM SHALL RESIST TEARING AWAY FROM THE POST. THE FABRIC SHALL INCORPORATE A DRAWSTRING IN THE TOP PORTION OF THE FENCE FOR ADDED STRENGTH.

SILT FENCE DETAIL
NTS



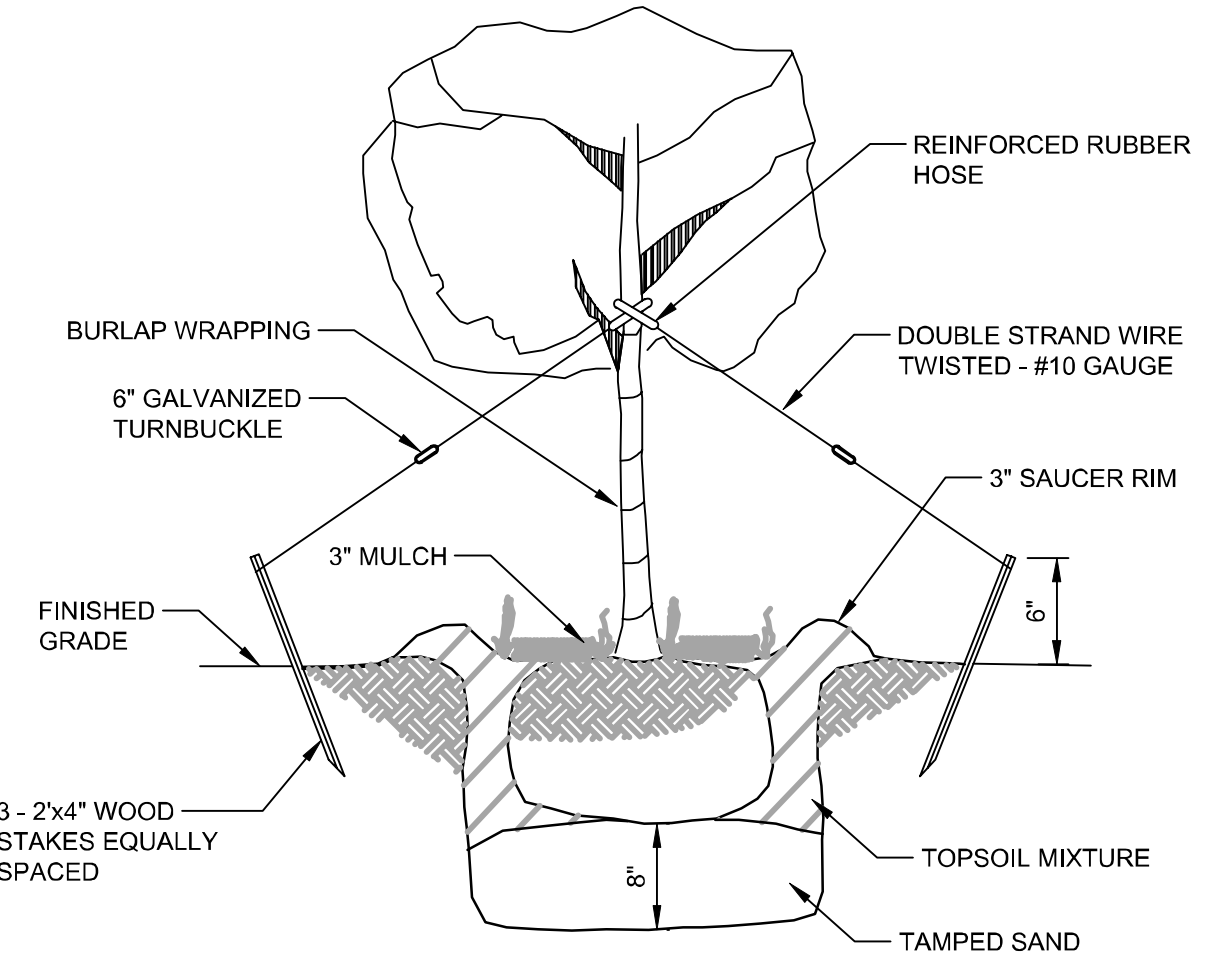
PLACEMENT AND ANCHORING DETAIL BALE SEDIMENT BARRIERS
NTS



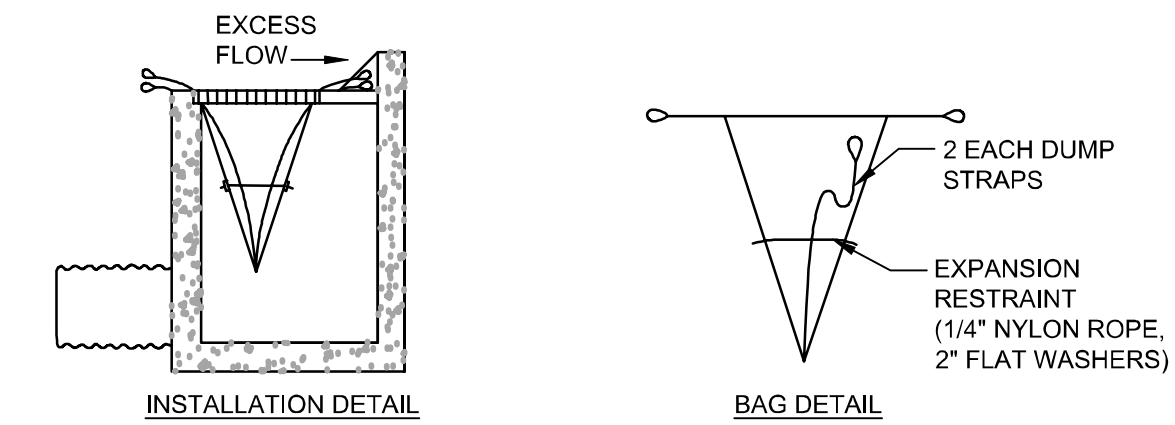
PERCENT SLOPE OF ROADWAY	LENGTH OF STONE REQUIRED	
	COARSE GRAINED SOILS	FINE GRAINED SOILS
0 TO 2%	50 FT.	100 FT.
2 TO 5%	100 FT.	200 FT.
>5%	ENTIRE SURFACE STABILIZED WITH HOT MIX ASPHALT BASE COURSE, MIX 1-2"	

- AS PRESCRIBED BY LOCAL ORDINANCE OR OTHER GOVERNING AUTHORITY.
- STABILIZED CONSTRUCTION ENTRANCE MAINTENANCE NOTES:**
- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO ROADWAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTHS AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO ROADWAYS (PUBLIC OR PRIVATE) OR OTHER IMPERVIOUS SURFACES MUST BE REMOVED IMMEDIATELY.
- WHERE ACCUMULATION OF DUST/SEDIMENT IS INADEQUATELY CLEANED OR REMOVED BY CONVENTIONAL METHODS, A POWER BROOM OR STREET SWEEPER WILL BE REQUIRED TO CLEAN PAVED OR IMPERVIOUS SURFACES. ALL OTHER ACCESS POINTS WHICH ARE NOT STABILIZED SHALL BE BLOCKED OFF.

STABILIZED CONSTRUCTION ENTRANCE DETAIL
NTS

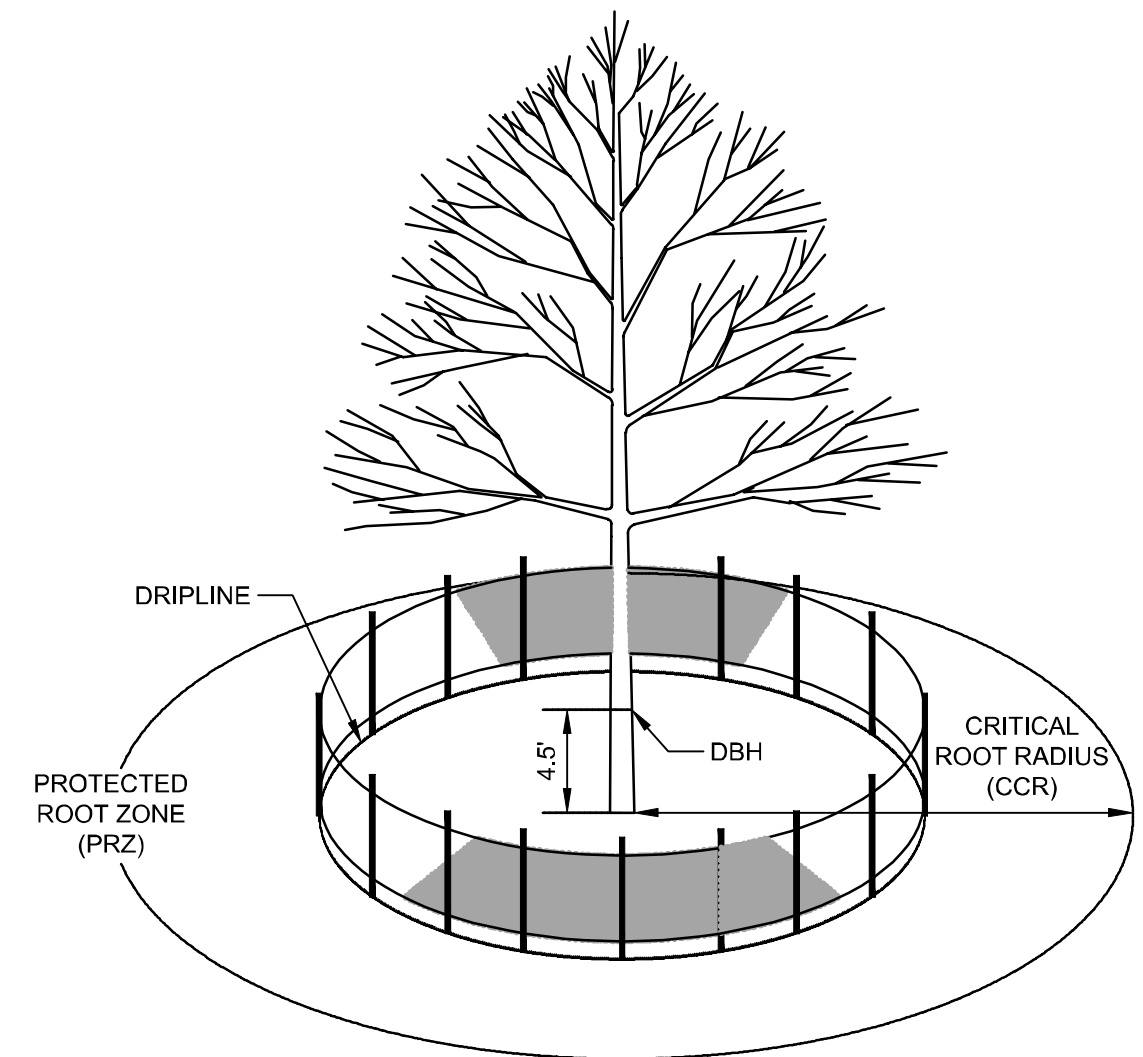


TYPICAL TREE / SHRUB PLANTING DETAIL
NTS



- NOTES ON STORM SEWER INLET PROTECTION:**
- MUST SLOW THE STORM WATER TO PROVIDE THE COARSE SEDIMENT PARTICLES A CHANCE TO SETTLE, AND PROVIDE AN AREA TO RETAIN THE PARTICLES THAT HAVE SETTLED.
 - IN ALL CASES, INLET PROTECTION SHOULD NOT COMPLETELY CLOSE OFF THE INLET.
 - THE PROTECTION DEVICE WILL BE DESIGNED TO CAPTURE OR FILTER RUNOFF FROM THE 1 YEAR, 24 HOUR STORM EVENT AND SHALL SAFELY CONVEY HIGHER FLOWS DIRECTLY INTO THE STORM SEWER SYSTEM.
 - OTHER METHODS THAT ACCOMPLISH THE PURPOSE OF STORM SEWER INLET PROTECTION MAY BE USED IF APPROVED BY THE SOIL CONSERVATION DISTRICT.
 - INSPECTIONS SHALL BE FREQUENT. MAINTENANCE, REPAIR, AND REPLACEMENT SHALL BE MADE PROMPTLY, AS NEEDED. THE BARRIER SHALL BE REMOVED WHEN THE AREA DRAINING TOWARD THE INLET HAS BEEN STABILIZED.
 - THE CONTRACTOR SHALL INSTALL STORM SEWER INLET PROTECTION IN ACCORDANCE WITH THE SE&SC IN NJ, #30, JULY 1999.

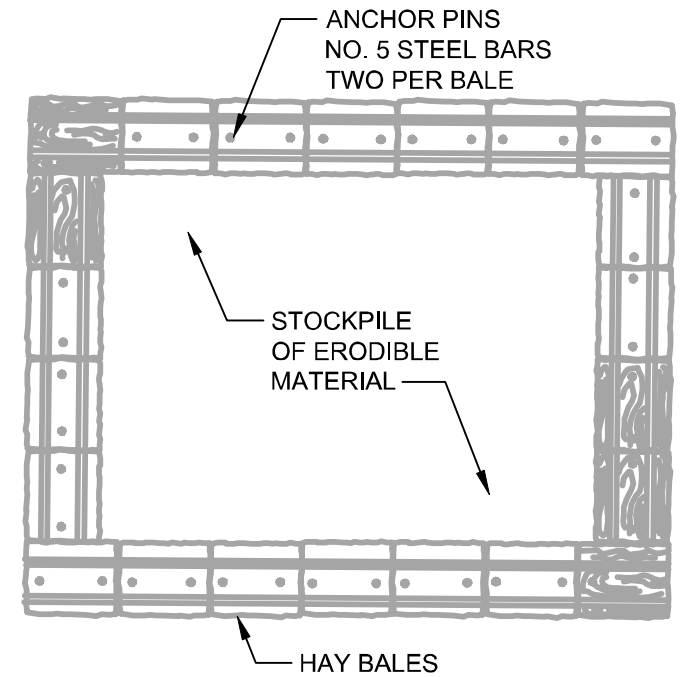
INLET SEDIMENT CONTROL DEVICE DETAIL
NTS



TREE PROTECTION DURING CONSTRUCTION
NTS

- ESTIMATE A TREE'S PROTECTED ROOT ZONE (PRZ) BY CALCULATING THE CRITICAL ROOT RADIUS (CRR).
MEASURE THE DBH (DIAMETER OF TREE AT BREAST HEIGHT, 4.5 FEET ABOVE GROUND ON THE UPHILL SIDE OF TREE) IN INCHES.
MULTIPLY THE MEASURED DBH BY 1.5 OR 1.0. EXPRESS THE RESULT IN FEET.
DBH x 1.5: CRITICAL ROOT RADIUS FOR OLDER, UNHEALTHY OR SENSITIVE SPECIES.
DBH x 1.0: CRITICAL ROOT RADIUS FOR YOUNGER, HEALTHY OR TOLERANT SPECIES.
- ALL SPECIMEN TREES AS SHOWN ON THE PLANS TO REMAIN ARE TO BE PROTECTED DURING CONSTRUCTION. THE CONTRACTOR SHALL INSTALL SNOW FENCING AT THE DRIP LINE OF EACH SPECIMEN TREE BEFORE WORKING IN THE VICINITY OF THE TREE, AS DIRECTED BY THE ENGINEER.
- BOX TREES WITHIN 25 FEET OF A BUILDING SITE TO PREVENT MECHANICAL INJURY. FENCING OR OTHER BARRIER SHOULD BE INSTALLED BEYOND THE CRR. TREE ROOT SYSTEMS COMMONLY EXTEND WELL BEYOND THE DRIP LINE.
- FEEDER ROOTS SHOULD NOT BE CUT IN AN AREA INSIDE THE PRZ.
- DAMAGED TRUNKS OR EXPOSED ROOTS SHOULD HAVE DAMAGED BARK REMOVED IMMEDIATELY AND NO PAINT SHALL BE APPLIED. EXPOSED ROOTS SHOULD BE COVERED WITH TOPSOIL IMMEDIATELY AFTER EXCAVATION IS COMPLETE. ROOTS SHALL BE PRUNED TO GIVE A CLEAN, SHARP SURFACE AMENABLE TO HEALING. ROOTS EXPOSED DURING HOT WEATHER SHOULD BE IRRIGATED TO PREVENT PERMANENT TREE INJURY. CARE FOR SERIOUS INJURY SHOULD BE PRESCRIBED BY A PROFESSIONAL FORESTER OR LICENSED TREE EXPERT.

(SEE PAGES 9-1 THROUGH 9-9 FOR COMPLETE STANDARD FOR TREE PROTECTION DURING CONSTRUCTION)



NOTE: SIDE SLOPES SHALL BE A MAXIMUM OF 2:1. STOCKPILE SHALL BE SEEDING IMMEDIATELY.

MATERIAL STOCKPILE DETAIL
NTS

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				0	02/03/24	AW	MIDLAND PARK SITE PLAN APPLICATION	SBP	ECS																						
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Drawn	S. BROCKLISS	Coordination	S. PENDERGRASS																												
Dwg check	S. PENDERGRASS	Approved	E. SCHNEIDER																												
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TABLE 4-3 PERMANENT VEGETATIVE MIXTURES, PLANTING RATES AND PLANTING DATES ¹												MAINTENANCE LEVEL ⁴	REMARKS
SEED MIXTURE ²	PLANTING RATE ³		PLANTING DATES O = OPTIMAL PLANTING PERIOD A = ACCEPTABLE PLANTING PERIOD										
			PLANTING HARDINESS ZONES (SEE FIGURE 4-1)										
			ZONE 5b, 6a			ZONE 6b			ZONE 7a, 7b				
lbs/acre	lbs/1000 sq. ft.	3/15 - 5/31	6/1 - 7/31	8/1 - 10/31	3/1 - 4/30	5/1 - 8/14	8/15 - 11/15	2/1 - 4/30	5/1 - 8/14	8/15 - 11/30			
WARM SEASON SEED MIXTURES													
1A. FOR PINELANDS NATIONAL RESERVE SEED MIXTURES SEE TABLE 4-4 PAGE 4-17													
1. SWITCHGRASS AND / OR COASTAL PANICGRASS PLUS OR FLATPEA													
2. DEERTONGUE OR SWITCHGRASS REDTOP													
3. SWITCHGRASS DEERTONGUE LITTLE BLUESTEM SHEEP FESCUE PLUS PARTRIDGE PEA													
4. SWITCHGRASS BIG BLUESTEM LITTLE BLUESTEM SAND LOVEGRASS COASTAL PANICGRASS													
5. BERMUDAGRASS ZOYSIAGRASS (SEED) ZOYSIAGRASS (SPRIGS)													
COOL SEASON SEED MIXTURES													
6. FINE FESCUE (BLEND) HARD FESCUE CHEWING FESCUE STRONG CREEPING RED FESCUE KENTUCKY BLUEGRASS PERENNIAL RYEGRASS PLUS WHITE CLOVER (SEE NOTE AT RIGHT)													
7. STRONG CREEPING RED FESCUE KENTUCKY BLUEGRASS PERENNIAL RYEGRASS OR REDTOP PLUS WHITE CLOVER													
8. TALL FESCUE (TURF-TYPE) OR STRONG CREEPING RED FESCUE OR PERENNIAL RYEGRASS FLATPEA													
9. DEERTONGUE REDTOP WILD RYE (ELYMUS) SWITCHGRASS													
10. TALL FESCUE (TURF-TYPE) PERENNIAL RYEGRASS OR WHITE CLOVER (SEE NOTE AT RIGHT)													
11. KENTUCKY BLUEGRASS TURF-TYPE TALL FESCUE													
12. TURF-TYPE TALL FESCUE (BLEND OF 3 CULTIVARS)													
13. HARD FESCUE AND / OR CHEWING FESCUE AND / OR STRONG CREEPING RED FESCUE PERENNIAL RYEGRASS KY. BLUEGRASS (BLEND)													
14. TALL FESCUE KY. BLUEGRASS (BLEND) PERENNIAL RYEGRASS (BLEND)													
15. HARD FESCUE CHEWING FESCUE STRONG CREEPING RED FESCUE PERENNIAL RYEGRASS													
16. ROUGH BLUEGRASS STRONG CREEPING RED FESCUE													
17. CREEPING BENTGRASS CREEPING RED FESCUE ALKALI SALTGRASS													
18. HARD OR SHEEPS FESCUE N.E. WILDFLOWER MIXTURE													
19. a. SMOOTH CORDGRASS b. SALTMEADOW CORDGRASS													
20. AMERICAN BEACHGRASS COASTAL PANICGRASS													
21. a. PURPLESIEVER WILLOW b. DWARF WILLOW c. REDOSIER DOGWOOD d. SILKY DOGWOOD													

BERGEN COUNTY SOIL CONSERVATION DISTRICT SOIL EROSION AND SEDIMENT CONTROL NOTES

- ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY (NJ STANDARDS), AND WILL BE INSTALLED IN PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT STABILIZATION IS ESTABLISHED.
- ANY DISTURBED AREA THAT WILL BE LEFT EXPOSED FOR MORE THAN THIRTY (30) DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY RECEIVE A TEMPORARY SEEDING AND MULCHING. IF THE SEASON PROHIBITS TEMPORARY SEEDING, THE DISTURBED AREA WILL BE MULCHED WITH UNROTTED STRAW AT A RATE OF 2 TONS PER ACRE ANCHORED BY APPROVED METHODS (I.E. PEG AND TWINE, MULCH NETTING, OR LIQUID MULCH BINDER).
- IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AT A RATE OF 2 TONS PER ACRE, ACCORDING TO THE NJ STANDARDS.
- STABILIZATION SPECIFICATIONS:
 - TEMPORARY SEEDING AND MULCHING:
 - GROUND LIMESTONE - APPLIED UNIFORMLY ACCORDING TO SOIL TEST RECOMMENDATIONS. FERTILIZER - APPLY 11 LBS./1,000 SF OF 10-20-10 OR EQUIVALENT WITH 50% WATER INSOLUBLE NITROGEN (UNLESS A SOIL TEST INDICATES OTHERWISE) WORKED INTO THE SOIL A MINIMUM OF 4".
 - SEED - PERENNIAL RYEGRASS 100 LBS./ACRE (2.3 LBS./1,000 SF) OR OTHER APPROVED SEEDS; PLANT BETWEEN MARCH 1 AND MAY 15 OR BETWEEN AUGUST 15 AND OCTOBER 1.
 - MULCH - UNROTTED STRAW OR HAY AT A RATE OF 70 TO 90 LBS./1,000 SF APPLIED TO ACHIEVE 95% SOIL SURFACE COVERAGE. MULCH SHALL BE ANCHORED BY APPROVED METHODS (I.E. PEG AND TWINE, MULCH NETTING, OR LIQUID MULCH BINDER).
 - PERMANENT SEEDING AND MULCHING:
 - TOPSOIL - UNIFORM APPLICATION TO A DEPTH OF 5" (UNSETTLED).
 - GROUND LIMESTONE - APPLIED UNIFORMLY ACCORDING TO SOIL TEST RECOMMENDATIONS. FERTILIZER - APPLY 11 LBS./1,000 SF OF 10-10-10 OR EQUIVALENT WITH 50% WATER INSOLUBLE NITROGEN (UNLESS A SOIL TEST INDICATES OTHERWISE) WORKED INTO THE SOIL A MINIMUM OF 4".
 - SEED - TURF TYPE TALL FESCUE (BLEND OF 3 CULTIVARS) 350 LBS./ACRE (8 LBS./1,000 SF) OR OTHER APPROVED SEEDS; PLANT BETWEEN MARCH 1 AND OCTOBER 1 (SUMMER SEEDINGS REQUIRE IRRIGATION)
 - MULCH - UNROTTED STRAW OR HAY AT A RATE OF 70 TO 90 LBS./1,000 SF APPLIED TO ACHIEVE 95% SOIL SURFACE COVERAGE. MULCH SHALL BE ANCHORED BY APPROVED METHODS (I.E. PEG AND TWINE, MULCH NETTING, OR LIQUID MULCH BINDER).
- THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORMWATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
- SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS, INCLUDING AFTER EVERY STORM EVENT.
- STOCKPILES ARE NOT TO BE LOCATED WITHIN 50' OF A FLOODPLAIN, SLOPE, ROADWAY OR DRAINAGE FACILITY. THE BASE OF ALL STOCKPILES SHALL BE CONTAINED BY A HAYBALE SEDIMENT BARRIER OR SILT FENCE.
- A CRUSHED STONE, VEHICLE WHEEL-CLEANING BLANKET WILL BE INSTALLED WHEREVER A CONSTRUCTION ACCESS ROAD INTERSECTS ANY PAVED ROADWAY. SAID BLANKET WILL BE COMPOSED OF 1" - 2 1/2" CRUSHED STONE, 6" THICK, WILL BE AT LEAST 30' X 100' AND SHOULD BE UNDERLAIN WITH A SUITABLE SYNTHETIC SEDIMENT FILTER FABRIC AND MAINTAINED.
- MAXIMUM SIDE SLOPES OF ALL EXPOSED SURFACES SHALL NOT EXCEED 3:1 UNLESS OTHERWISE APPROVED BY THE DISTRICT.
- DRIVEWAYS MUST BE STABILIZED WITH 1" - 2 1/2" CRUSHED STONE OR SUBBASE PRIOR TO INDIVIDUAL LOT CONSTRUCTION.
- ALL SOIL WASHED, DROPPED, SPILLED OR TRACKED OUTSIDE THE LIMIT OF DISTURBANCE OR ONTO PUBLIC RIGHT-OF-WAYS, WILL BE REMOVED IMMEDIATELY. PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.
- CATCH BASIN INLETS WILL BE PROTECTED WITH AN INLET FILTER DESIGNED IN ACCORDANCE WITH SECTION 28 - 1 OF THE NJ STANDARDS.
- STORM DRAINAGE OUTLETS WILL BE STABILIZED, AS REQUIRED, BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.
- DEWATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT CONTROL BAG OR OTHER APPROVED FILTER IN ACCORDANCE WITH SECTION 14-1 OF THE NJ STANDARDS.
- DUST SHALL BE CONTROLLED VIA THE APPLICATION OF WATER, CALCIUM CHLORIDE OR OTHER APPROVED METHOD IN ACCORDANCE WITH SECTION 16-1 OF THE NJ STANDARDS.
- TREES TO REMAIN AFTER CONSTRUCTION ARE TO BE PROTECTED WITH A SUITABLE FENCE INSTALLED AT THE DRIP LINE OR BEYOND IN ACCORDANCE WITH SECTION 9-1 OF THE NJ STANDARDS.
- THE PROJECT OWNER SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT MAY OCCUR BELOW STORMWATER OUTFALLS OR OFF-SITE AS A RESULT OF CONSTRUCTION OF THE PROJECT.
- ANY REVISION TO THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN MUST BE SUBMITTED TO THE DISTRICT FOR REVIEW AND APPROVAL PRIOR TO IMPLEMENTATION IN THE FIELD.
- A COPY OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN MUST BE AVAILABLE AT THE PROJECT SITE THROUGHOUT CONSTRUCTION.
- THE BERGEN COUNTY SOIL CONSERVATION DISTRICT MUST BE NOTIFIED, IN WRITING, AT LEAST 48 HOURS PRIOR TO ANY LAND DISTURBANCE: BERGEN COUNTY SOCD, 700 KINDERKAMACK ROAD, SUITE 108, ORADELL, NJ 07649. TEL: 201-261-4407; FAX 201-261-7573.
- THE BERGEN COUNTY SOIL CONSERVATION DISTRICT MAY REQUEST ADDITIONAL MEASURES TO MINIMIZE ON OR OFF-SITE EROSION PROBLEMS DURING CONSTRUCTION.
- THE OWNER MUST OBTAIN A DISTRICT ISSUED REPORT OF COMPLIANCE PRIOR TO THE ISSUANCE OF ANY CERTIFICATE OF OCCUPANCY. THE DISTRICT REQUIRED AT LEAST ONE WEEK'S NOTICE TO FACILITATE THE SCHEDULING OF ALL REPORTS OF COMPLIANCE INSPECTIONS. ALL SITE WORK MUST BE COMPLETED, INCLUDING TEMPORARY PERMANENT STABILIZATION OF ALL EXPOSED AREA, PRIOR TO THE ISSUANCE OF A REPORT OF COMPLIANCE BY THE DISTRICT.

STABILIZATION SPECIFICATIONS

SEEDING AND MULCHING (MINIMUM STANDARDS):

- LIME - 90 LBS / 1,000 S.F. GROUND LIMESTONE, FERTILIZER - 14 LBS / 1,000 S.F.; 10-20-10 OR EQUIVALENT WORKED INTO SOIL A MINIMUM OF 4".
- SEED - SEED MIXTURE PER TABLE 4-3 (STANDARD FOR SOIL EROSION SEDIMENT CONTROL IN NEW JERSEY) AS SHOWN ON THIS DRAWING; PLANT BETWEEN MARCH 1 AND MAY 15 OR BETWEEN AUGUST 15 AND OCTOBER 1.
- MULCH - SALT HAY OR SMALL GRAIN STRAW AT A RATE OF 70 TO 90 LBS / 1,000 S.F.; TO BE APPLIED ACCORDING TO THE NJ STANDARDS. MULCH SHALL BE SECURED BY APPROVED METHODS (I.E. PEG AND TWINE, MULCH NETTING, OR LIQUID BINDER).

SEQUENCE OF CONSTRUCTION

	APPROX. DURATION OF ACTIVITY
1. MOBILIZATION	5 DAYS
2. INSTALLATION OF SOIL EROSION AND SEDIMENT CONTROL DEVICES	1 DAY
3. INSTALL WORTENDYKE PFAS TREATMENT FACILITY AS SHOWN ON THE CONTRACT PLANS.	500 DAYS
4. INSTALL SITE PIPING, INTERMEDIATE PUMP STATION, PRE-FABRICATED CHEMICAL STORAGE BUILDING AND ELECTRICAL EQUIPMENT AS SHOWN ON THE CONTRACT PLANS.	60 DAYS
5. HYDROSTATIC PRESSURE TESTING AND DISINFECTION OF FACILITY AND SITE PIPING. INCLUDING DISINFECTION OF INTERMEDIATE PUMP STATION AND PUMP TESTING.	30 DAYS
6. INSTALLATION OF BACKWASH SEWER MAINS AND APPURTENANCES, INCLUDING BACKFILLING, TEMPORARY PAVEMENT, AND LEAKAGE TESTING OF BACKWASH SEWER MAINS.	40 DAYS
7. INSTALLATION OF GAC MEDIA, THEN BACKWASH AND START-UP OF GAC VESSELS AND THE REST OF THE FACILITY.	10 DAYS
8. ALL SITE IMPROVEMENTS AND LANDSCAPE WORK AS SHOWN ON THE CONTRACT PLANS.	20 DAYS
9. FINAL PAVEMENT RESTORATION, SITE RESTORATION AND CLEAN-UP, AND REMOVAL OF SOIL EROSION AND SEDIMENT CONTROL DEVICES.	10 DAYS

GENERAL NOTE:

IN ALL AREAS WHERE THE WORK IS OUTSIDE OF PAVED ROADS, THE CONTRACTOR SHALL INSTALL AND MAINTAIN APPROPRIATE SOIL EROSION CONTROL MEASURES IN ACCORDANCE WITH THE DETAILS ON THE DRAWINGS. REGARDLESS OF WHETHER OR NOT THE LOCATION OF SUCH MEASURES ARE SPECIFICALLY SHOWN ON THE PLANS. SUCH MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO, SILT FENCES ALONG THE PERIMETER OF DISTURBED AREAS AND AROUND MATERIAL STOCKPILES, AND STONE CONSTRUCTION ENTRANCE PADS AT POINTS OF MAJOR INGRESS AND EGRESS FROM PAVED ROADS TO UNPAVED AREAS.

WHERE WORK IS IN PAVED ROADS, EROSION CONTROL MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO STORM DRAIN INLET PROTECTION, KEEPING ROADS CLEAN, AND CONTROLLING DUST.

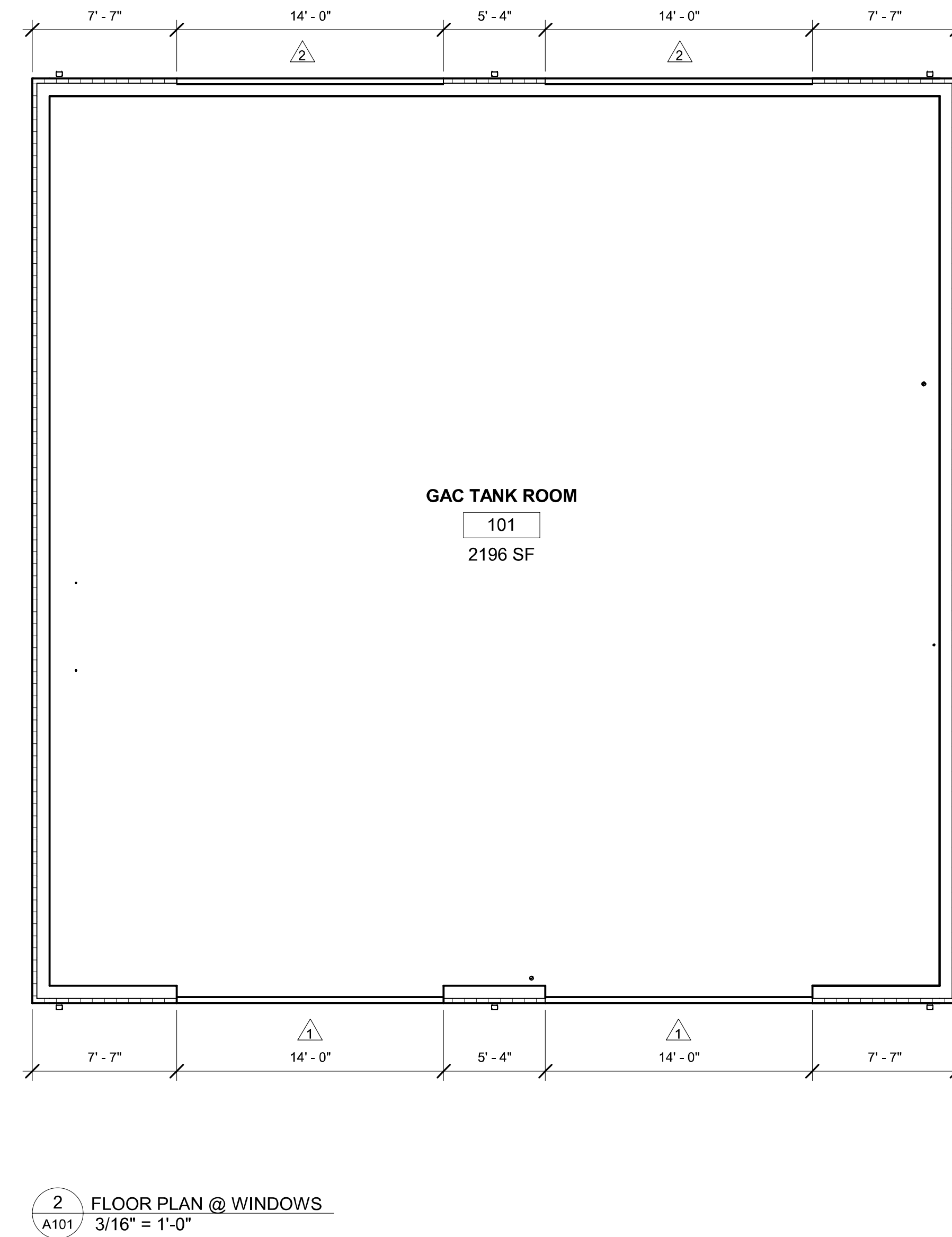
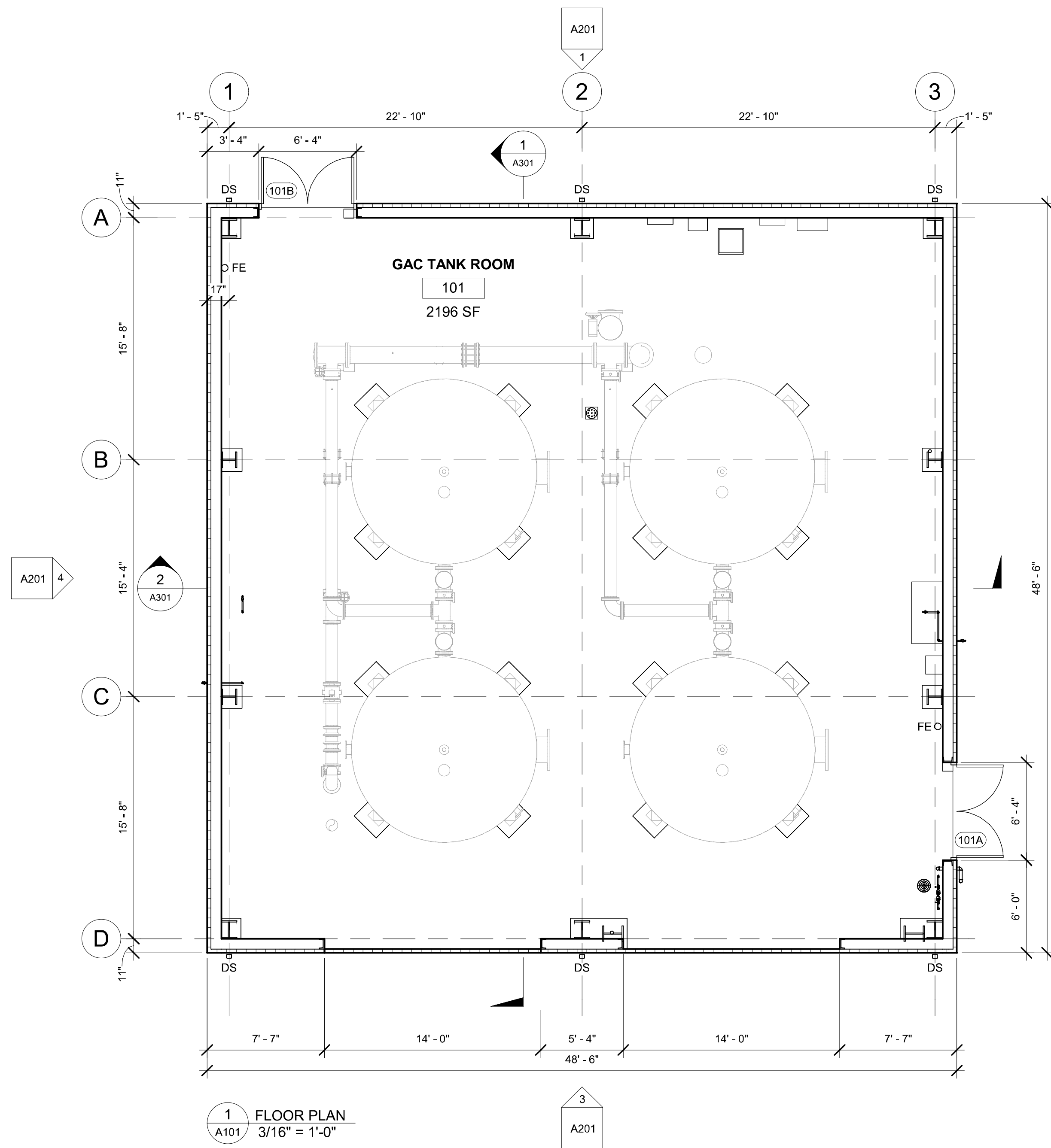
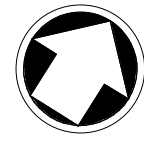
SOIL EROSION NOTES FOR CONFORMANCE WITH N.J.A.C. 7-22:

- WHEREVER THESE NOTES CONFLICT WITH ANY NOTES ON THESE PLANS OR IN THE SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT SHALL GOVERN. OTHERWISE, THE SPECIFICATIONS FROM N.J.A.C. 7-22-10.11, WHICH SPELL OUT THE ENVIRONMENTAL AND CULTURAL RESOURCE PROTECTION RESTORATION SHALL HAVE PRECEDENCE OVER OTHER PERMITTIVELY CONTRADICTORY LANGUAGE CONTAINED ELSEWHERE IN THE DESIGN CONTRACT DOCUMENTS. IN INSTANCES WHERE THE PROVISIONS OF A DEPARTMENT-ISSUED PERMIT CONTRADICT A PROVISION OF THE SPECIFICATIONS (INCLUDING THOSE IDENTIFIED IN ENVIRONMENTAL ASSESSMENT REQUIREMENTS FOR STATE ASSISTED ENVIRONMENTAL INFRASTRUCTURE FACILITIES, N.J.A.C. 7-22-10), THE ENVIRONMENTAL RESOURCES PROTECTION AND/OR RESTORATION AND CULTURAL RESOURCE MITIGATION MEASURES IDENTIFIED IN THE DEPARTMENT-ISSUED PERMIT SHALL GOVERN. ALL ACTIVITIES WHICH ARE PART OF THE COMPREHENSIVE ENVIRONMENTAL INFRASTRUCTURE PROJECT(S) FOR THE PLANNING AREA MUST CONFORM TO THE REQUIREMENTS OF THIS SECTION REGARDLESS OF THE ELIGIBILITY OF INDIVIDUAL COMPONENTS OF THE PROJECT.
- ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY GRADING OPERATIONS OR CONSTRUCTION OF PROPOSED FACILITIES AND SHALL BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETE AND THE CONSTRUCTION AREA IS STABILIZED. AFTER RESTORATION IS COMPLETE, TEMPORARY CONTROL MEASURES SHALL BE REMOVED AND DISPOSED OF PROPERLY
- A LISTING OF PROHIBITED CONSTRUCTION PROCEDURES SHALL BE INCORPORATED INTO THE SPECIFICATIONS. THESE PROCEDURES INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
 - DUMPING OF SPOIL MATERIAL INTO ANY STREAM CORRIDOR, ANY WETLANDS, ANY VERNAL HABITATS, ANY SURFACE WATERS, ANY SITES LISTED OR ELIGIBLE FOR LISTING ON THE NEW JERSEY OR NATIONAL REGISTERS OF HISTORIC PLACES, OR AT UNSPECIFIED LOCATIONS;
 - INDISCRIMINATE, ARBITRARY OR CAPRICIOUS OPERATION OF EQUIPMENT IN ANY STREAM CORRIDORS, WETLANDS, VERNAL HABITATS, OR SURFACE WATERS;
 - PUMPING OF SILT-LADEN WATER FROM TRENCHES OR OTHER EXCAVATIONS INTO ANY SURFACE WATERS, STREAM CORRIDORS, WETLANDS OR VERNAL HABITATS;
 - DAMAGING VEGETATION ADJACENT TO OR OUTSIDE OF THE ACCESS ROAD OR THE RIGHT-OF-WAY;
 - DISPOSAL OF TREES, BRUSH AND OTHER DEBRIS IN ANY STREAM CORRIDORS, WETLANDS, VERNAL HABITATS, SURFACE WATERS OR AT UNSPECIFIED LOCATIONS;
 - PERMANENT OR UNSPECIFIED ALTERATION OF THE FLOW LINE OF ANY STREAM;
 - OPEN BURNING OF PROJECT DEBRIS;
 - USE OF CALCIUM CHLORIDE, PETROLEUM PRODUCTS, OR OTHER CHEMICALS FOR DUST CONTROL;
 - USE OF ASPHALTIC MULCH BINDER; AND
 - ANY UNPERMITTED DISCHARGE OF SEWAGE
- EVERY EFFORT SHALL BE MADE TO PREVENT AND CORRECT PROBLEMS ASSOCIATED WITH EROSION AND SEDIMENTATION WHICH COULD OCCUR DURING AND AFTER PROJECT CONSTRUCTION. AT A MINIMUM, THE FOLLOWING EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE FOLLOWED:
 - ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY GRADING OPERATIONS OR CONSTRUCTION OF PROPOSED FACILITIES AND SHALL BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETE AND THE CONSTRUCTION AREA IS STABILIZED. AFTER RESTORATION IS COMPLETE, TEMPORARY CONTROL MEASURES SHALL BE REMOVED AND DISPOSED OF PROPERLY.
 - ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE "NEW JERSEY STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL," 7TH EDITION LAST REVISED JULY 2017, EFFECTIVE DECEMBER 2017, PREPARED BY THE NEW JERSEY STATE SOIL CONSERVATION COMMITTEE," INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED. COPIES OF THE "STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY" ARE AVAILABLE FOR A FEE FROM THE NEW JERSEY DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION COMMITTEE, OR FROM THE OFFICE OF ANY OF THE 16 LOCAL CONSERVATION DISTRICTS.
 - THE BOUNDARY OF THE STOCKPILE AREA SHALL BE CLEARLY MARKED BY HAY BALES, SILT FENCING OR ANOTHER APPROPRIATE METHOD. WHERE FILL IS TO BE STORED IN EXCESS OF 10 DAYS, A SUITABLE MEANS OF PROTECTING EXCAVATED MATERIAL FROM WIND AND WATER EROSION SHALL BE EMPLOYED. EROSION CONTROL METHODS MAY INCLUDE ONE OR MORE OF THE FOLLOWING: MULCHING, SPRINKLING, SILT FENCING, HAYBALING AND STONE COVERING.
- PERMANENT VEGETATION TO BE SEED OR SODDED ON ALL EXPOSED AREAS WITHIN 10 DAYS AFTER FINAL GRADING.
- ALL DISCHARGES FROM DEWATERING ACTIVITIES TO SURFACE WATERS, WETLANDS, VERNAL HABITATS, OR STORM SEWERS SHALL BE FREE OF SEDIMENT. CARE SHALL BE TAKEN NOT TO DAMAGE OR KILL VEGETATION BY EXCESSIVE WATERING OR BY DAMAGING SILT ACCUMULATION IN THE DISCHARGE AREA. IF DISCHARGES ARE SEDIMENT LADEN, TECHNIQUES SHALL BE EMPLOYED TO REMOVE SEDIMENT PRIOR TO DISCHARGE. A SEDIMENTATION BASIN SHALL BE CONSTRUCTED AND USED AS SPECIFIED, WHERE NECESSARY, TO PROTECT VEGETATION AND TO ACHIEVE ENVIRONMENTAL OBJECTIVES.

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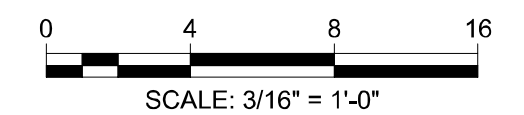
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<p>111 Wood Avenue South Iselin, New Jersey 08830-1005 United States</p> <p>T +1 973-379-3400 F +1 973-376-1072 www.mottmacamericas.com</p>	<p>Client</p> <p>RIDGEWOOD WATER 111 NORTH MAPLE AVENUE RIDGEWOOD, NJ 07450</p>		Designed	S. BROCKLISS	Eng check	S. PENDERGRASS	<p>Title</p> <p>WORTENDYKE PFAS TREATMENT FACILITY CIVIL SOIL EROSION AND SEDIMENTATION CONTROL DETAILS SHEET 2 OF 2</p>			
			Drawn	S. BROCKLISS	Coordination	S. PENDERGRASS				
<p>Certificate No. 24GA28016600</p>			Dwg check	S. PENDERGRASS	Approved	E. SCHNEIDER	<p>Scale at ANSI D</p> <p>NTS</p>			
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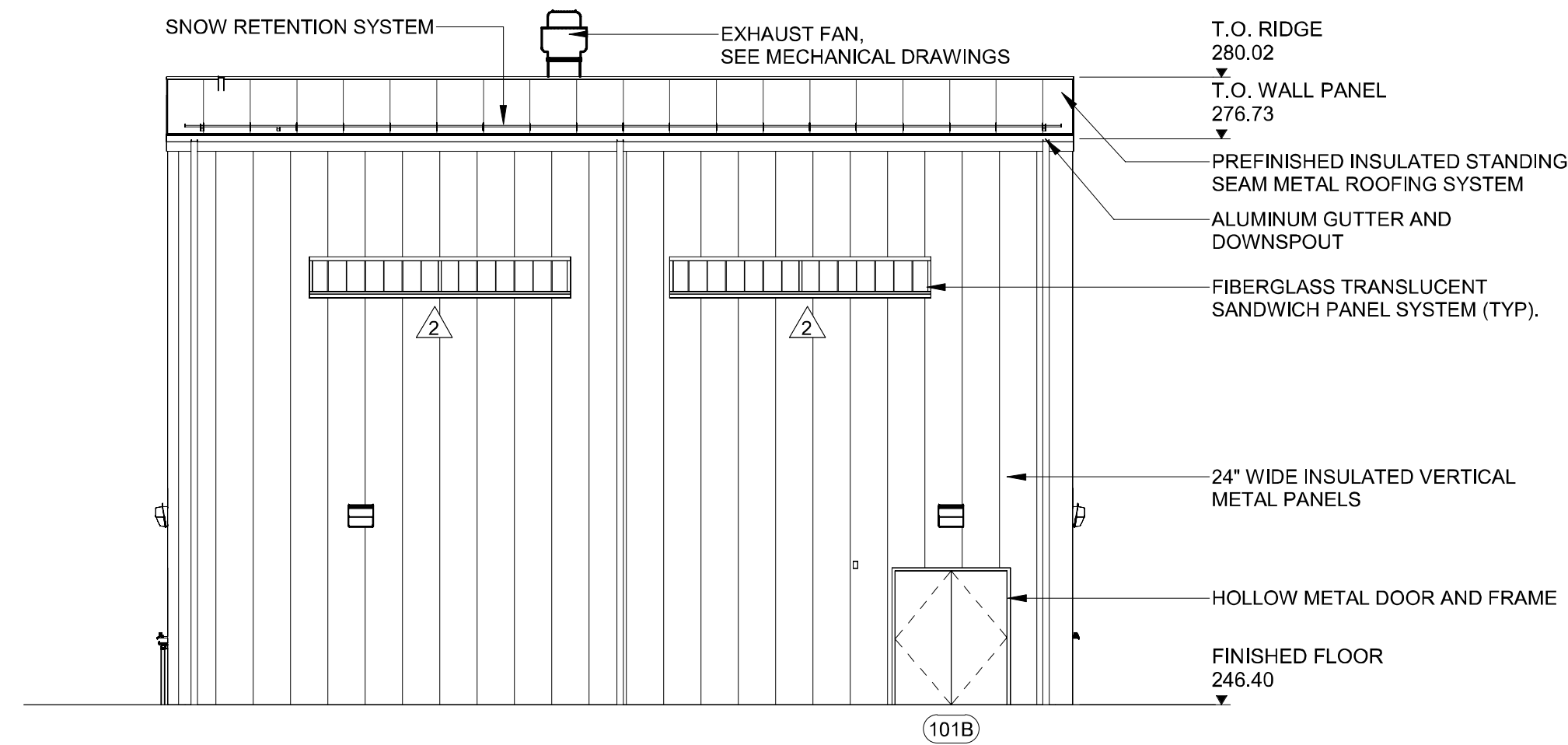
LEGEND

- XX DOOR NUMBER
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O FIRE EXTINGUISHER
UL RATED 2A:10B:C FIRE
EXTINGUISHERS MOUNTED ON WALL
OR STRUCTURE PER NFPA 10
- DS 3"x4" RECTANGULAR PREFINISHED
ALUM DOWNSPOUT
- △ WINDOW TAG, SEE SHEET A602 FOR
WINDOW TYPES.
- 3" THICK PREFINISHED INSULATED METAL
PANEL ON 8" METAL GIRT FRAMING

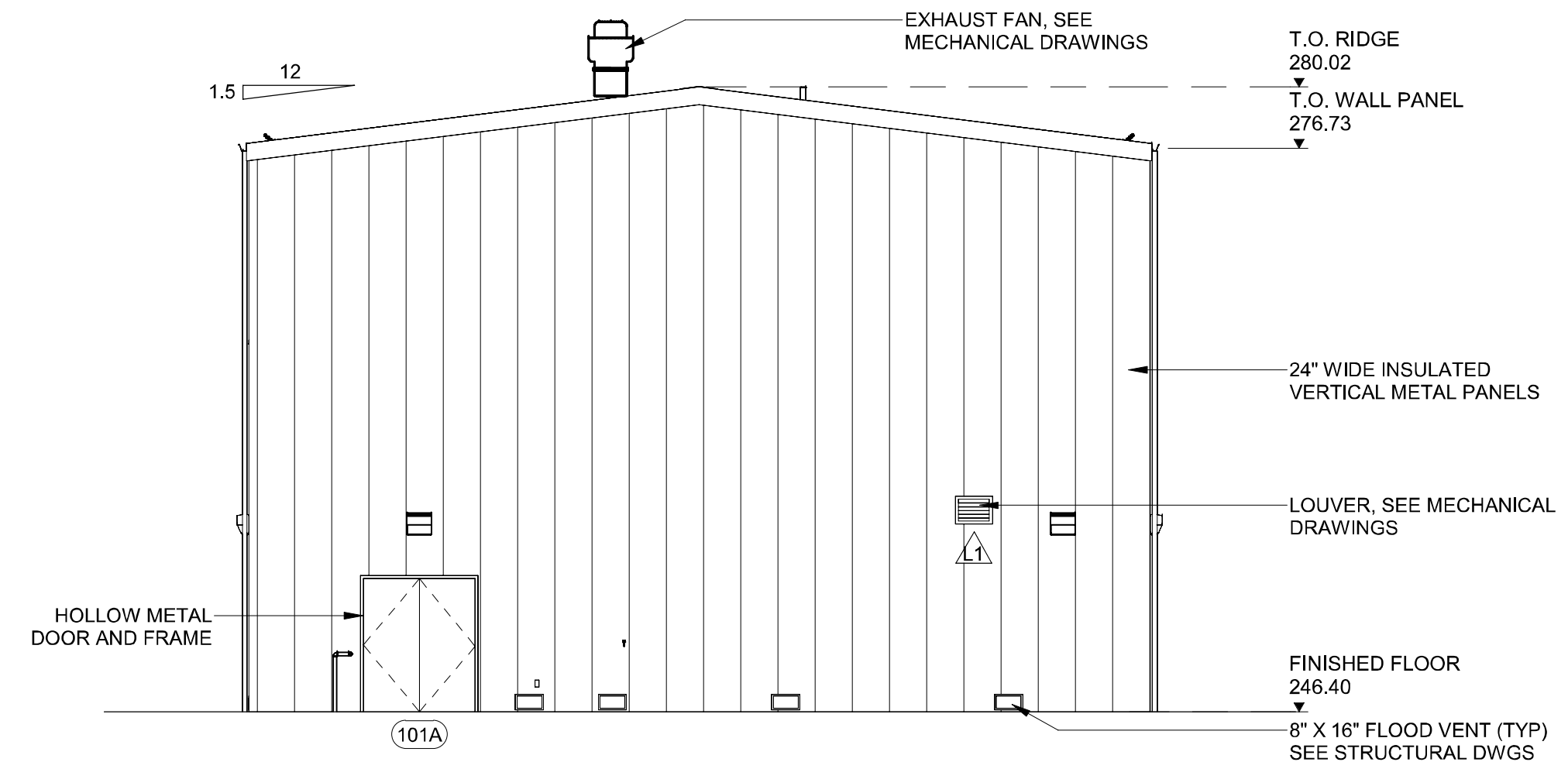


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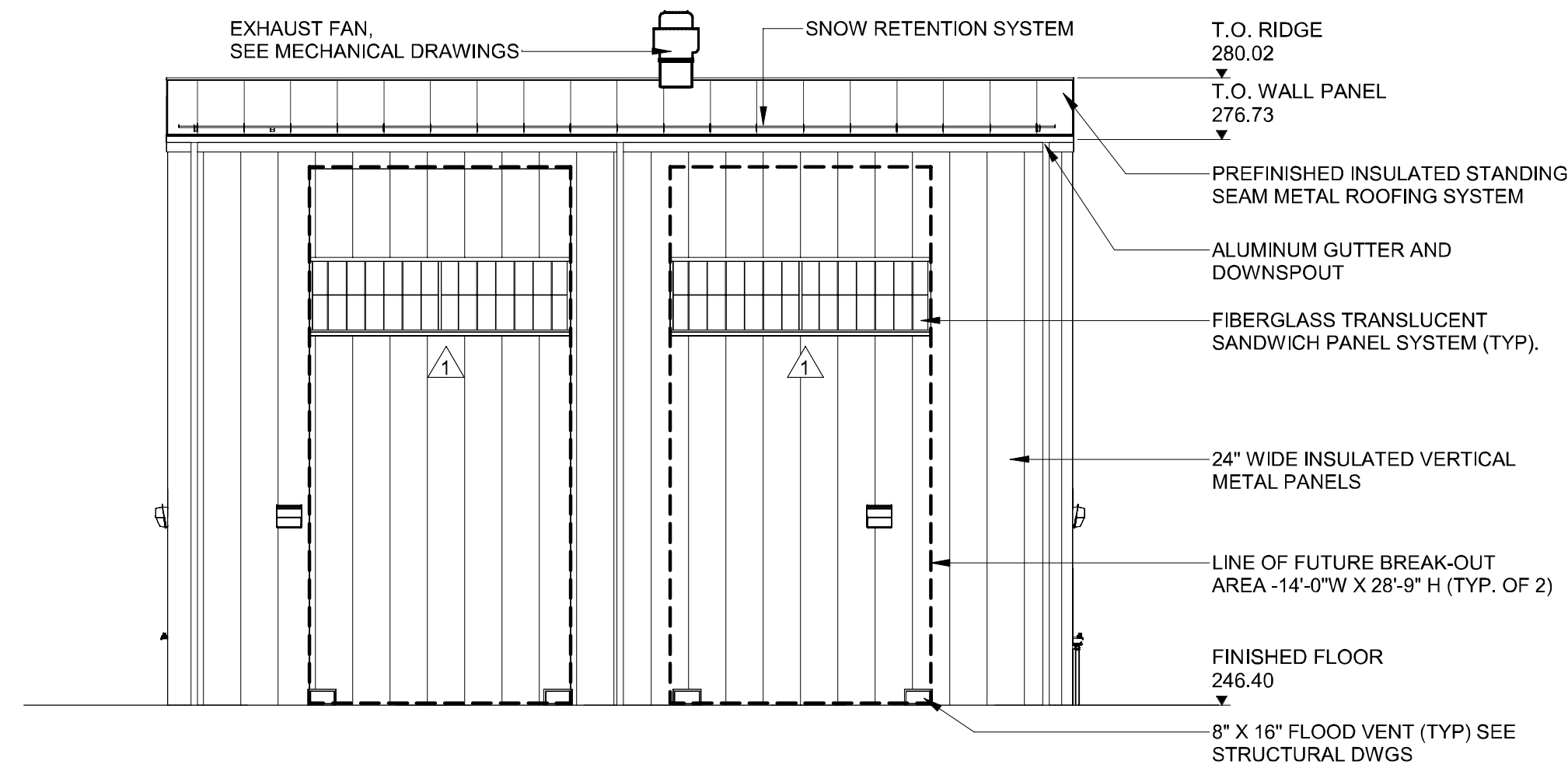
 MOTT MACDONALD <small>Certificate No. 24GA28016600</small>	<small>111 Wood Avenue Suite 500 Iselin, New Jersey 08830-1005 United States</small> <small>T - + 973-397-3400 F - + 973-376-1072 www.mottmacamericas.com</small>	Client RIDGEWOOD WATER 111 NORTH MAPLE AVENUE RIDGEWOOD, NJ 07450	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;"> </td> <td style="width: 5%;"> </td> <td style="width: 5%;"> </td> <td style="width: 5%;"> </td> <td style="width: 5%;"> </td> <td style="width: 5%;"> </td> <td style="width: 5%;"> </td> <td style="width: 5%;"> </td> <td style="width: 5%;"> </td> <td style="width: 5%;"> </td> </tr> <tr> <td style="width: 5%;"> </td> <td style="width: 5%;"> </td> <td style="width: 5%;"> </td> <td style="width: 5%;"> </td> <td style="width: 5%;"> </td> <td style="width: 5%;"> </td> <td style="width: 5%;"> </td> <td style="width: 5%;"> </td> <td style="width: 5%;"> </td> <td style="width: 5%;"> </td> </tr> </table>																					ANTHONY F. PEDRO <small>Professional Engineer Lic. NO. 37905</small> 	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">Designed</td> <td style="width: 20%;">S.CASANO</td> <td style="width: 10%;">Eng check</td> <td style="width: 10%;"> </td> <td style="width: 10%;"> </td> </tr> <tr> <td>Drawn</td> <td>R.KENKARE</td> <td>Coordination</td> <td> </td> <td> </td> </tr> <tr> <td>Dwg check</td> <td>P.BASTARDO</td> <td>Approved</td> <td> </td> <td> </td> </tr> <tr> <td>Scale</td> <td>3/16"=1'-0"</td> <td>Status</td> <td>Rev</td> <td>Security</td> </tr> <tr> <td colspan="2">Drawing Number</td> <td colspan="3" style="text-align: center;">STD</td> </tr> </table>	Designed	S.CASANO	Eng check			Drawn	R.KENKARE	Coordination			Dwg check	P.BASTARDO	Approved			Scale	3/16"=1'-0"	Status	Rev	Security	Drawing Number		STD			Title WORTENDYKE PFAS TREATMENT FACILITY ARCHITECTURAL FLOOR PLAN
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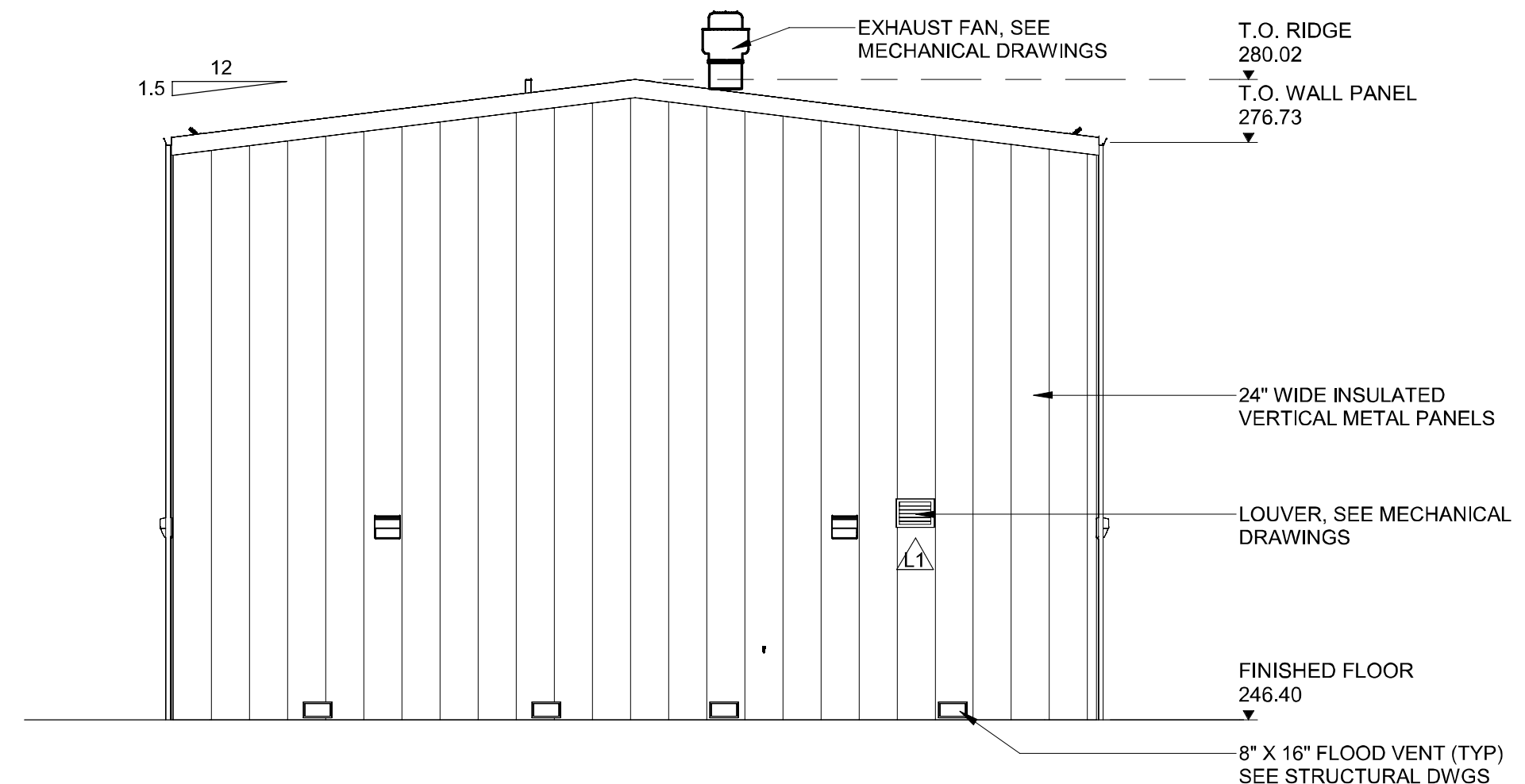
1 NORTH ELEVATION
A201 1/8" = 1'-0"



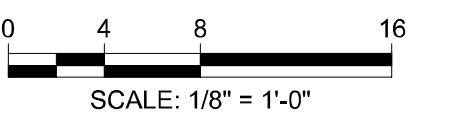
2 EAST ELEVATION
A201 1/8" = 1'-0"



3 SOUTH ELEVATION
A201 1/8" = 1'-0"

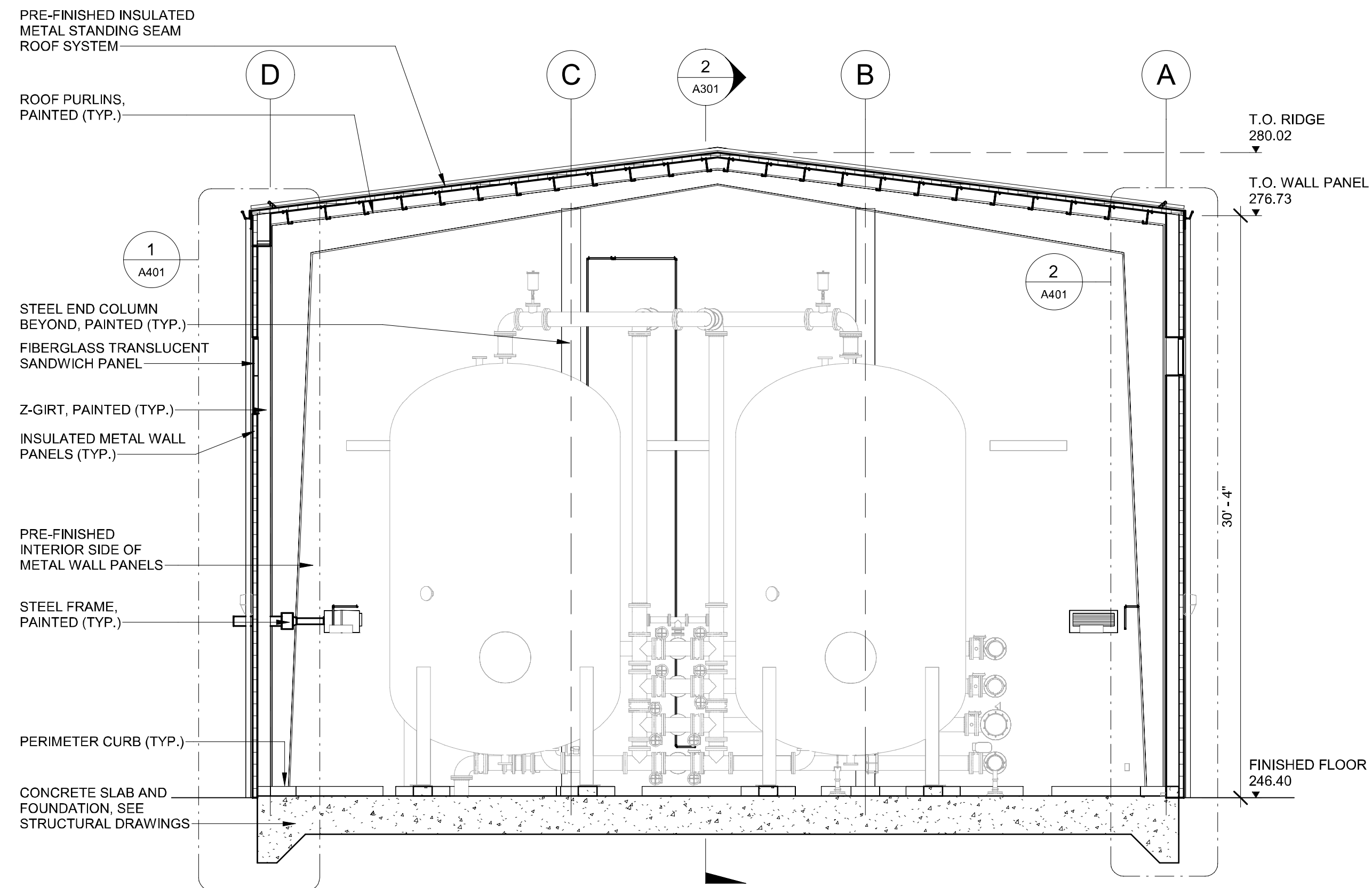


4 WEST ELEVATION
A201 1/8" = 1'-0"

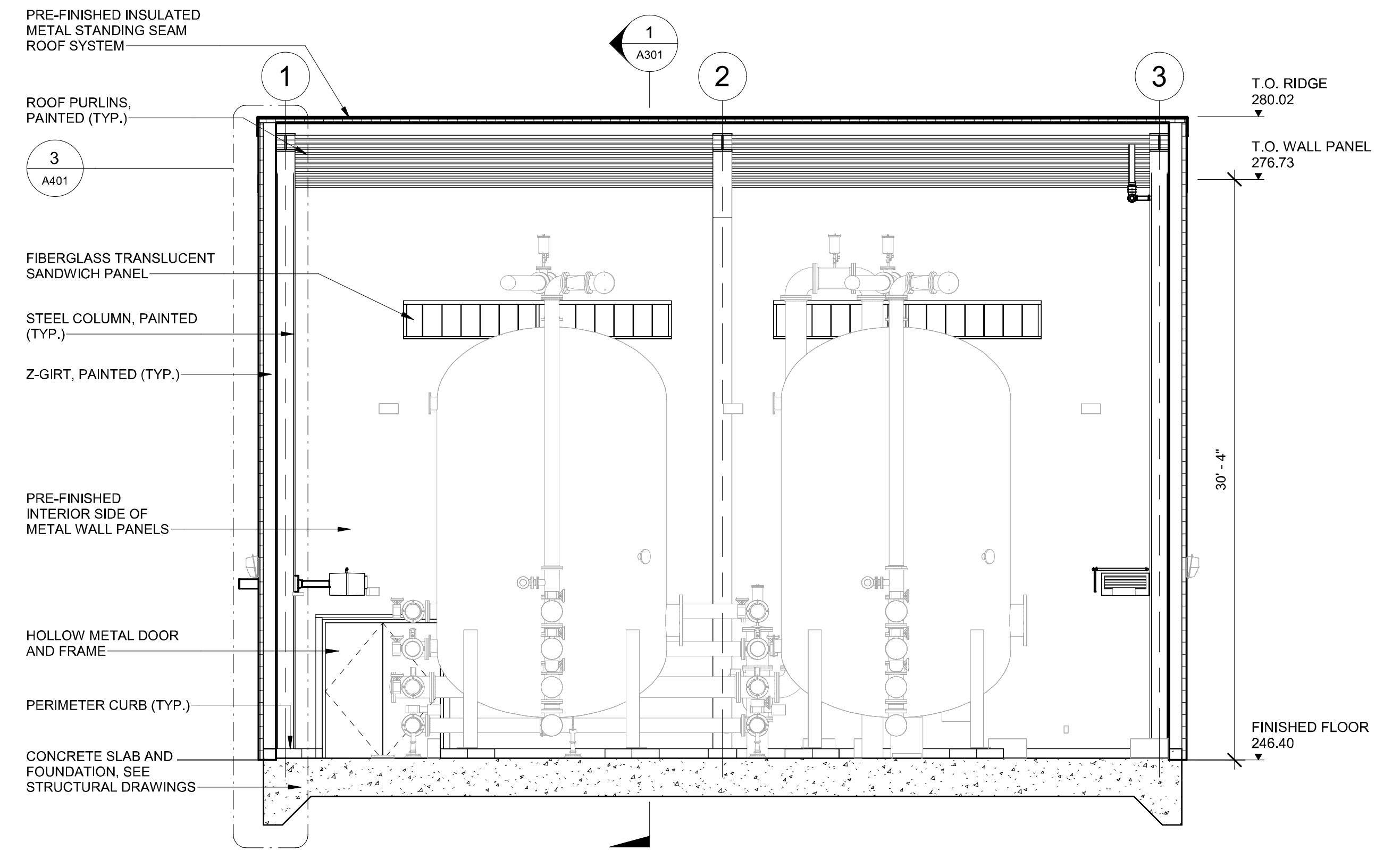


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1 BUILDING SECTION
A301 3/16" = 1'-0"

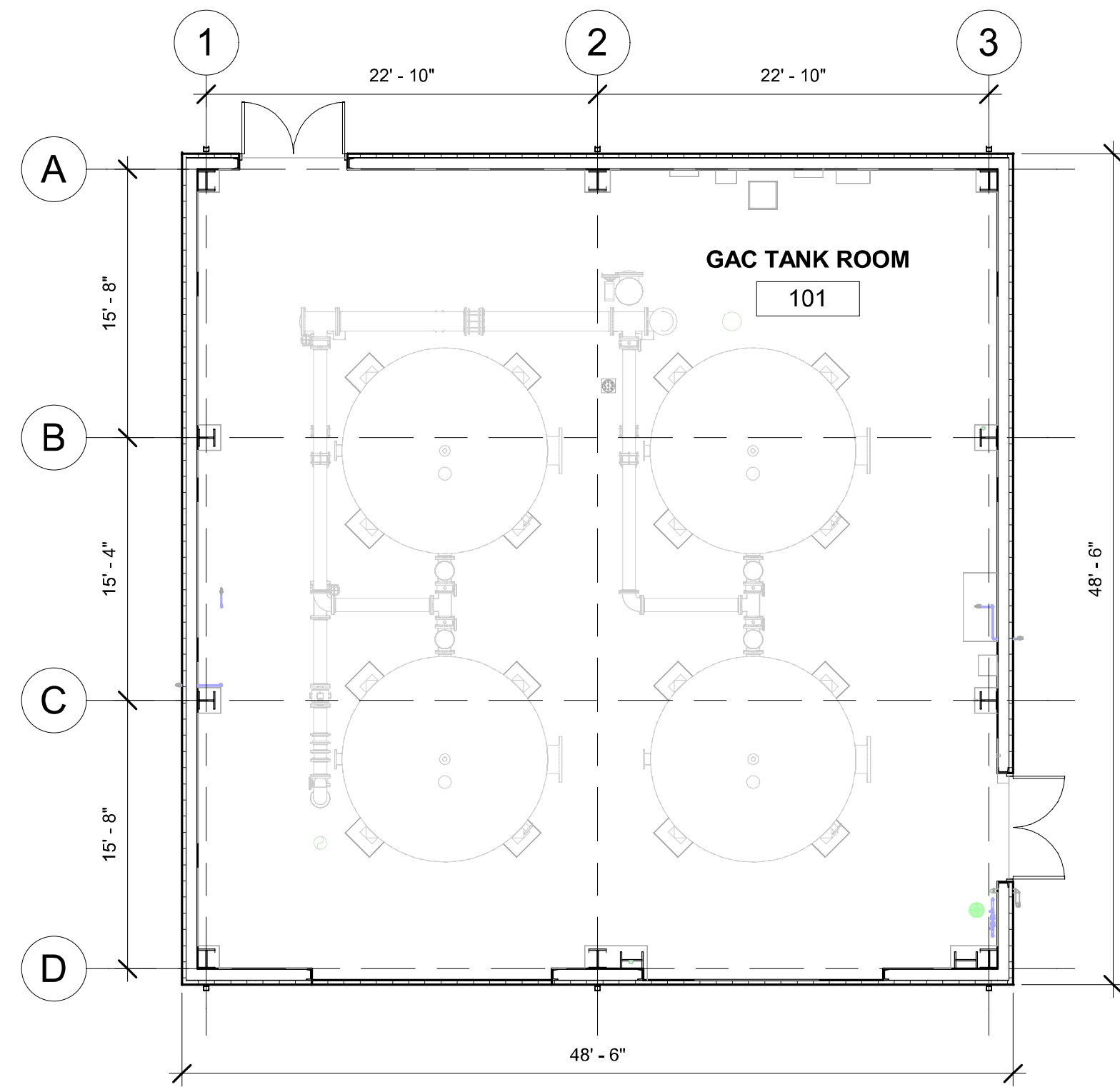
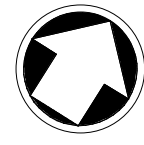


2 BUILDING SECTION
A301 3/16" = 1'-0"

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			Drawn	R.KENKARE	Author	Coordination								
			Dwg check	P.BASTARDO		Approved			Approver					
			Scale	Status	Rev	Security		STD						
			Project Number	507102802	B/O	12	Total	13	Drawing Number	A301				



RENDER #1



RENDER #2



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0	03/05/2024	RW	MIDLAND PARK SITE PLAN APPLICATION	SC	ECS
Rev	Date	Drawn	Description	Ch'k'd	App'd

ANTHONY F. PEDRO
 Professional Engineer Lic. NO. 37905

Project Number: **507102802**
 B/O: **13**
 Total: **13**

Designed		Eng check	
Drawn		Coordination	
Dwg check		Approved	
Scale	Status	Rev	Security
			STD
Drawing Number		AR001	

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Title
WORTENDYKE PFAS TREATMENT FACILITY ARCHITECTURAL PLAN AND RENDERINGS