

GENERAL NOTES

- ALL WORK IS TO BE COMPLETED IN ACCORDANCE WITH OSHA, NYSDOH, GCDOH, AND LOCAL COMMUNITY REQUIREMENTS.
- THE LOCATIONS, SIZES AND ELEVATIONS OF EXISTING UTILITIES ARE BASED ON INFORMATION COMPILED BY THE ENGINEER FROM RECORD DRAWINGS AND INFORMATION FURNISHED BY THE VARIOUS UTILITIES. WITH FIELD CHECKING WHERE NECESSARY AND POSSIBLE, THE ACCURACY OF THIS INFORMATION IS NOT GUARANTEED AND MAY BE APPROXIMATE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE THIS INFORMATION VERIFIED AND LOCATED PRIOR TO CONSTRUCTION. NO CONSTRUCTION EXCAVATION, BORING, OR BLASTING SHALL BE DONE WITHOUT CERTIFICATION OF THE DEPTH AND LOCATION OF UTILITIES. CALL UDIG NY (811) AT LEAST 48 HOURS PRIOR TO COMMENCING WORK.
- THE OWNER WILL USE A LICENSED SURVEYOR TO ESTABLISH PROPERTY LINES AND EASEMENT LINES PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMMEDIATELY NOTIFYING THE ENGINEER OF ANY DISCREPANCY THAT SHOWS THE PROPOSED WORK TO BE LOCATED OUTSIDE OF PROPERTY OR EASEMENT.
- THE APPROXIMATE LOCATION OF THE PROPOSED STRUCTURES IS INDICATED ON THE PLANS. HOWEVER, THE ACTUAL LOCATION WILL BE GOVERNED BY THE ACTUAL LOCATION OF THE UNDERGROUND UTILITIES OR OTHER CONTROLLING FACTORS AS DETERMINED BY THE ENGINEER DURING CONSTRUCTION.
- THE CONTRACTOR SHALL EXPOSE EXISTING UTILITIES AHEAD OF PIPE LAYING OR OTHER WORK OPERATIONS SO THAT IF MINOR ADJUSTMENTS MUST BE MADE IN ELEVATION AND/OR ALIGNMENT, DUE TO INTERFERENCE, THESE CHANGES CAN BE MADE IN ADVANCE OF THE WORK.
- MINIMUM COVER ON ALL NEW WATER MAINS SHALL BE FIVE (5) FEET, MEASURED FROM FINISH GROUND SURFACE EXCEPT WHERE OTHERWISE NOTED.
- WHERE THE CLEARANCE BETWEEN THE WATER MAIN AND ANY EXISTING UTILITY OR SERVICE CONNECTIONS (EXCEPT SANITARY SEWER CROSSING) IS LESS THAN ONE (1) FOOT, A TYPE C SELECT FILL SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
- ALL FITTINGS SHALL BE PROPERLY RESTRAINED.
- HIGHWAY DRAINAGE (STORM PIPES, CATCH BASINS, SWALES, ETC.) SHALL BE MAINTAINED AS NEEDED THROUGHOUT THE PERIOD OF CONSTRUCTION TO PREVENT STANDING WATER FROM COLLECTING ON THE ROADWAY. THE ROADS SHALL BE KEPT CLEAN OF MUD AND DEBRIS AT ALL TIMES.
- SAFE AND CONTINUOUS THROUGH TRAFFIC, AS WELL AS INGRESS AND EGRESS FOR DRIVEWAYS, SERVICE ROADS AND PUBLIC STREETS, SHALL BE MAINTAINED THROUGHOUT THE PERIOD OF CONSTRUCTION.
- THE OWNER WILL OBTAIN ALL EASEMENTS AND PERMITS OUTLINED IN THE PROJECT SPECIFICATIONS.
- THE CONTRACTOR SHALL LOCATE, FLAG AND PRESERVE SURVEY MONUMENTS AND PROPERTY CORNER MARKERS. THE CONTRACTOR SHALL HAVE A LICENSED SURVEYOR RE-ESTABLISH ANY PROPERTY CORNERS OR SURVEY MONUMENTS DISTURBED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
- WHEN INSTALLING HYDRANTS OR BLOW-OFFS, SHOULD GROUND WATER BE ENCOUNTERED WITHIN 7 FEET OF THE FINISH GRADE, WEEP HOLES (DRAINS) SHALL BE PLUGGED. IF WEEPS ARE PLUGGED, HYDRANTS AND BLOW-OFFS SHALL BE SO LABELED, PER LOCAL JURISDICTION REQUIREMENTS, AND THE WATER SYSTEM OPERATOR AND LOCAL FIRE DEPARTMENT SHALL BE NOTIFIED IN WRITING.
- THE CONTROL OF EROSION AND SEDIMENT ORIGINATING FROM CONSTRUCTION OPERATIONS IS CONSIDERED A CRITICAL RESPONSIBILITY OF THE CONTRACTOR. EROSION CONTROL DEVICES SHALL BE ESTABLISHED PRIOR TO COMMENCING WORK. THE ENGINEER WILL BE THE FINAL JUDGE OF THE ADEQUACY OF CONTRACTOR'S EROSION AND SEDIMENT CONTROL AND MAY SUSPEND WORK UNTIL ADEQUATE CONTROL IS ATTAINED.
- ALL EXISTING UTILITY LINES AND SERVICE LATERALS NEAR OR CROSSING THE NEW STRUCTURES SHALL BE PROTECTED, PRESERVED AND SUPPORTED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
- UTILITY POLES SHALL BE SUPPORTED, WHERE NECESSARY, AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL PRESERVE AND PROTECT FROM DAMAGE ALL TREES, FENCES AND OTHER STRUCTURES WITHIN THE VICINITY OF ANY WORK, UNLESS THEIR REMOVAL IS NOTED ON THE DRAWINGS.
- THE CONTRACTOR SHALL VERIFY THAT THERE WILL BE NO DISRUPTION TO MAIL DELIVERY THROUGHOUT CONSTRUCTION. COORDINATION WITH THE PROPERTY OWNERS AND THE POSTAL SERVICE MAY BE REQUIRED.
- THE CONTRACTOR SHALL RETAIN THE SERVICES OF A QUALIFIED TREE EXPERT TO REMOVE, WHERE NECESSARY, BRANCHES THAT INTERFERE WITH THE CONSTRUCTION OPERATIONS, OR REPAIR TREES HAVING SUFFERED DAMAGE BY CONSTRUCTION ACTIVITIES. THIS COST IS TO BE INCLUDED IN THE BID PRICE OF THE CONTRACT.
- SHEETING OR SHORING SHALL BE PROVIDED (IF REQUIRED DURING CONSTRUCTION) TO PROTECT NEW OR EXISTING WORK. THIS COST IS TO BE INCLUDED IN THE BID PRICE OF THE CONTRACT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER DISPOSAL OF EXCAVATED MATERIAL FROM THE SITE. THIS INCLUDES THE COST OF ANY FEES, TRANSPORTATION, OR PERMITS THAT MAY BE REQUIRED.
- THE CONTRACTOR SHALL CONFORM TO ALL CONDITIONS OF ANY APPLICABLE EASEMENTS.
- THE CONTRACTOR SHALL ADJUST INSTALLATION SEQUENCING BASED ON THE AVAILABILITY OF EASEMENT ACQUISITIONS AND PERMIT APPROVALS.
- ROAD TO BE KEPT CLEAR OF MUD AND DEBRIS AT ALL TIMES.
- MATERIALS, EQUIPMENT, AND VEHICLES ARE NOT TO BE STORED OR PARKED WITHIN THE RIGHT-OF-WAY.
- ALL DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR'S WORK AREA SHALL BE CONFINED TO THE LIMITS OF THE VILLAGE'S PROPERTY AND EASEMENTS. SHOULD THE CONTRACTOR REQUIRE ADDITIONAL AREA TO ACCOMMODATE HIS OPERATIONS, HE SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY EASEMENTS OR WORK PERMITS.
- THE CONTRACTOR SHALL PROVIDE MAINTENANCE AND PROTECTION OF TRAFFIC IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITIONS).
- BLASTING WILL NOT BE PERMITTED.
- IF MATERIALS ARE ENCOUNTERED DURING CONSTRUCTION THAT ARE SUSPECTED OF BEING CONTAMINATED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND NYSDEC FOR DIRECTION REGARDING TESTING, SEPARATION, CONTAINMENT, AND DISPOSAL PROCEDURES.
- THE USE OF EXISTING FIRE HYDRANTS FOR ANY REASON IS PROHIBITED WITHOUT PRIOR APPROVAL OF THE WATER SYSTEM OPERATOR. THIS INCLUDES NEWLY INSTALLED FIRE HYDRANTS.
- IT IS A CRITICAL RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH EROSION CONTROL DEVICES PRIOR TO COMMENCING WORK.
- THE CONTROL OF DUST ORIGINATING FROM CONSTRUCTION OPERATIONS IS CONSIDERED A CRITICAL RESPONSIBILITY OF THE CONTRACTOR. THE ENGINEER WILL BE THE FINAL JUDGE OF THE ADEQUACY OF THE CONTRACTOR'S DUST CONTROL EFFORTS AND WORK MAY BE SUSPENDED UNTIL ADEQUATE DUST CONTROL IS ATTAINED.
- A 30 INCH MINIMUM CLEARANCE SHALL BE MAINTAINED BETWEEN OUTSIDE EDGE OF UTILITY POLES AND OUTSIDE EDGE OF WATER MAIN.
- ALL THRUST BLOCKS SHALL BE INSTALLED AGAINST UNDISTURBED SOIL.

EROSION CONTROL NOTES

- THE CONTROL OF EROSION AND SEDIMENT ORIGINATING FROM CONSTRUCTION OPERATIONS IS CONSIDERED A CRITICAL RESPONSIBILITY OF THE CONTRACTOR. EROSION CONTROL DEVICES SHALL BE ESTABLISHED PRIOR TO COMMENCING WORK. THE ENGINEER WILL BE THE FINAL JUDGE OF THE ADEQUACY OF THE CONTRACTOR'S EROSION AND SEDIMENT CONTROL AND MAY SUSPEND WORK UNTIL ADEQUATE CONTROL IS ATTAINED.
- EROSION CONTROL MEASURES WILL BE STRICTLY ENFORCED BY THE ENGINEER. ANY EROSION CONTROL DEVICE WHICH IS DEMAILED NECESSARY BY THE ENGINEER SHALL BE INSTALLED BY THE CONTRACTOR PRIOR TO CONTINUING WITH THE WATER MAIN INSTALLATION.
- ALL NECESSARY PRECAUTIONS SHALL BE TAKEN TO PREVENT THE MIGRATION OF SILT, SEDIMENT, FUELS, SOLVENTS, LUBRICANTS, CONCRETE LEACHATE OR ANY OTHER POLLUTANT ASSOCIATED WITH CONSTRUCTION PROCEDURES INTO NATURAL OR STRUCTURED DRAINAGE SYSTEMS, OR WATER BODIES.
- THE CONTROL OF DUST ORIGINATING FROM CONSTRUCTION ACTIVITIES IS CONSIDERED A CRITICAL RESPONSIBILITY OF THE CONTRACTOR. THE ENGINEER WILL BE THE FINAL JUDGE OF THE ADEQUACY OF THE CONTRACTOR'S DUST CONTROL EFFORTS AND MAY SUSPEND WORK UNTIL ADEQUATE DUST CONTROL IS ATTAINED.
- PERIODIC CLEANING AND INSPECTION OF TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL DEVICES WILL BE NECESSARY. AFTER ANY STORM EVENT, MAINTENANCE SHALL BE REQUIRED.
- SEDIMENT CONTROL DEVICES SHALL BE EITHER CLEANED OR REPLACED WHEN THEIR FILTERING CAPACITY HAS BEEN REDUCED BY HALF (I.E. HALF THE HEIGHT OF SILT FENCE IS RETAINING SEDIMENT).
- IN THE EVENT THAT DE-WATERING OPERATIONS BECOME NECESSARY, A SETTLING BASIN WILL BE REQUIRED UNLESS THE PUMP DISCHARGE IS AS CLEAR AND FREE OF SEDIMENT AS THE FLOWING STREAM. PRIOR TO USE, THE SETTLING BASIN LOCATION AND DESIGN SHALL BE APPROVED BY THE ENGINEER.
- THE COST OF INSTALLING, CLEANING AND REMOVING TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL DEVICES SHALL NOT BE PAID FOR SEPARATELY. THEY SHALL BE INCLUDED IN THE BID PRICE.
- THE CONTRACTOR WILL BE REQUIRED TO FOLLOW EROSION AND SEDIMENT CONTROL REQUIREMENTS FOR THE PROJECT.

WATER MAIN TESTING AND DISINFECTION NOTES

- MAINS AND SERVICES SHALL BE FLUSHED BEFORE TESTING. THE MINIMUM FLUSHING FLOW RATE SHALL BE 1.389 GALLONS PER MINUTE (APPROXIMATELY 2 MILLION GALLONS PER DAY OR 2 FEET PER SECOND) FOR LONG ENOUGH TIME TO FLUSH A MINIMUM OF THREE (3) PIPE VOLUMES.
- CONTRACTOR SHALL TAKE EXTRA PRECAUTION TO LIMIT THE EXPOSURE OF PIPE TO CONTAMINATES AND SHALL REMOVE ANY CAKED SOILS OBSERVED PRIOR TO INSTALLING THE MAIN.
- WATER FOR TESTING AND FLUSHING MAY BE OBTAINED FROM THE EXISTING WATER SYSTEM, PROVIDED THAT THE CONTRACTOR MAKE ARRANGEMENTS WITH THE WATER SYSTEM OPERATOR FOR METERING AND PAYMENT OF THE WATER USED.
- BEFORE TESTING, SECTIONS ADJACENT TO THE TEST SECTION SHALL BE FILLED WITH WATER. THE CONTRACTOR SHALL FURNISH ALL EQUIPMENT, CONNECTIONS, PIPING, FITTINGS, METERS, MEASURING DEVICES, PUMPS, AND TEMPORARY ENCLOSURES NECESSARY TO PERFORM THE REQUIRED TESTS. TESTING SHALL BE MADE ON SECTIONS OF WATER MAIN NOT TO EXCEED 2,000 FEET IN LENGTH.
- TEST PRESSURE SHALL BE APPLIED BY A PUMP CONNECTED TO THE PIPE. THE PUMP, PIPE, CONNECTIONS, GAUGES, AND MEASURING DEVICES SHALL BE CALIBRATED TO THE SATISFACTION OF THE ENGINEER.
- A PRELIMINARY TEST OF 50 PSI ABOVE NORMAL LINE PRESSURE, OR A MINIMUM OF 150 PSI, SHALL BE PERFORMED BY THE CONTRACTOR. AFTER THE PRELIMINARY TEST IS SATISFACTORY, THE WATER SYSTEM OPERATOR SHALL BE GIVEN 24 HOURS NOTICE AND A FINAL TEST SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER AND WATER SYSTEM OPERATOR.
- TESTING SHALL MEET THE MINIMUM REQUIREMENTS OF AWWA C-600 SECTION 4, EXCEPT WHERE MORE RIGID REQUIREMENTS ARE ESTABLISHED BY THE SPECIFICATIONS. BEFORE APPLYING TEST PRESSURE, ALL AIR SHALL BE EXPELLED FROM THE PIPE. AFTER THE PIPE HAS BEEN FILLED, IT SHALL BE SUBJECTED TO A HYDROSTATIC PRESSURE OF 50 PSI ABOVE NORMAL LINE PRESSURE, OR A MINIMUM OF 150 PSI, FOR A PERIOD OF 2 HOURS.
- LEAKAGE SHALL BE DEFINED AS THE VOLUME OF WATER SUPPLIED TO THE SECTION OF PIPE UNDER TEST NECESSARY TO MAINTAIN THE REQUIRED PRESSURE. LEAKAGE SHALL BE DETERMINED AT 30 MINUTE INTERVALS. SHOULD ANY TEST DISCLOSE LEAKAGE GREATER THAN THE ALLOWABLE, THE DEFECT SHALL BE LOCATED AND REPAIRED BY THE CONTRACTOR.
- ALL WATER MAINS AND APPURTENANCES SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA C-651 AND THE REQUIREMENTS OF NYSDOH, USING THE CONTINUOUS FEED METHOD. IN THE EVENT OF A CONFLICT, THE NYSDOH REQUIREMENTS SHALL GOVERN. AN INITIAL CHLORINE DOSE OF 50 PPM SHALL BE USED. DISINFECTANT SHALL REMAIN IN THE SYSTEM FOR A PERIOD OF 24 HOURS, AFTER WHICH THE RESIDUAL SHALL BE AT LEAST 25 PPM. FOLLOWING DISINFECTION, ALL TREATED WATER SHALL BE NEUTRALIZED AND THOROUGHLY FLUSHED FROM THE MAIN.
- THE CONTRACTOR IS RESPONSIBLE FOR PRODUCING A CHLORINE RESIDUAL NOT EXCEEDING 0.05 MG/L AT THE POINT OF DISCHARGE. THIS SHALL BE ACHIEVED AT NO ADDITIONAL COST TO THE OWNER.
- THE INTERIORS OF ALL APPURTENANCES AND SECTIONS OF WATER MAIN THAT CANNOT NORMALLY BE DISINFECTED SHALL BE SWABBED BY THE CONTRACTOR, TO THE SATISFACTION OF THE ENGINEER, WITH A CONCENTRATED CHLORINE SOLUTION CONTAINING NO LESS THAN 200 PPM OF FREE CHLORINE. THE CONTRACTOR SHALL ALSO DISINFECT ALL EXISTING WATER LINES AND APPURTENANCES WHICH WERE BROKEN, DAMAGED, CONTAMINATED, OR SUSPECTED OF BEING CONTAMINATED AS A RESULT OF WORK DONE WITH THIS PROJECT.
- WATER SAMPLES SHALL BE COLLECTED FOR THE CONTRACTOR BY AN APPROVED LAB AND ANALYZED FOR BACTERIOLOGICAL CONTENT. SAMPLE LOCATIONS ARE NOTED ON THE CONTRACT DRAWINGS. THE LOCATION OF THE SAMPLING TAP MUST BE APPROVED BY THE GOVERNING HEALTH DEPARTMENT. FIRE HYDRANTS ARE NOT ACCEPTABLE SAMPLING POINTS. TWO CONSECUTIVE SAMPLES SHALL BE TAKEN AND ANALYZED AT THE CONTRACTOR'S EXPENSE.
- THE ENGINEER IS RESPONSIBLE FOR CERTIFYING TO THE WATER SYSTEM OPERATOR AND THE GOVERNING HEALTH DEPARTMENT THAT THE WATER MAIN WAS INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND THAT THE FLUSHING, TESTING, AND DISINFECTION WAS PERFORMED IN ACCORDANCE WITH THESE REQUIREMENTS. THE ENGINEER SHALL SUBMIT THIS CERTIFICATION, ALONG WITH THE PRESSURE TEST AND BACTERIOLOGICAL TESTING RESULTS, TO THE WATER SYSTEM OPERATOR AND THE GOVERNING HEALTH DEPARTMENT. THE WATER MAIN CANNOT BE PLACED IN SERVICE UNTIL AN APPROVAL OF COMPLETED WORKS FROM THE GOVERNING HEALTH DEPARTMENT IS RECEIVED BY THE CONTRACTOR AND PROVIDED TO THE MUNICIPALITY.
- ALL FIRE HYDRANTS SHALL BE "BAGGED" AS BEING OUT OF SERVICE UNTIL THE WATER MAIN IS ACCEPTED BY THE MUNICIPALITY. AT THAT TIME, THE OUT OF SERVICE BAG SHALL BE REMOVED BY THE CONTRACTOR AND THE HYDRANT PUT IN SERVICE.
- TANK SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA C-652. THE TANK SHALL NOT BE PLACED INTO SERVICE UNTIL AN APPROVAL OF COMPLETED WORKS (DOH-1032 FORM) FROM THE GOVERNING HEALTH DEPARTMENT IS RECEIVED BY THE CONTRACTOR AND PROVIDED TO THE MUNICIPALITY.

LEGEND

	EXISTING PROPERTY LINE		PROPOSED PROPERTY LINE		CB	CATCH BASIN
	EXISTING FENCE		PROPOSED FENCE		PP	POWER POLE AND GUY WIRE
	EXISTING GAS		PROPOSED GAS		LP	LIGHT POLE
	EXISTING SANITARY SEWER		PROPOSED SANITARY SEWER		SIGN	SIGN
	EXISTING STORM		PROPOSED STORM		TREES	TREES
	EXISTING OVERHEAD ELECTRIC		PROPOSED UNDERGROUND ELECTRIC		MH	MANHOLE
	EXISTING WATER MAIN, HYDRANT, WATER VALVE		EXISTING WATER MAIN, HYDRANT, WATER VALVE		MB	MAILBOX
	EXISTING EASEMENT		PROPOSED EASEMENT		NWI WETLANDS	NWI WETLANDS
	EXISTING DRIVEWAY		PROPOSED DRIVEWAY		FEMA 100 YEAR FLOOD ZONE	FEMA 100 YEAR FLOOD ZONE
	PROPOSED UNDERDRAIN		PROPOSED CHAIN LINK FENCE			
	PROPOSED CHAIN LINK FENCE					
	PROPOSED CHAIN LINK FENCE					



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NY ENGINEERING FIRM CERTIFICATE #018330

PROJECT INFORMATION

Project Number
R24.15997.00
Client Name

GENESSEE COUNTY ECONOMIC DEVELOPMENT CENTER

Project Name
EDWARDS FIRE TANK

Project Address
99 MEDTECH DRIVE, SUITE
106 BATAVIA, NY 14020

PROJECT ISSUE & REVISION SCHEDULE

No. Date Description

PROFESSIONAL STAMPS

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SHEET INFORMATION

Issued 04/26/2024 Scale AS NOTED

Project Status DESIGN DEVELOPMENT

Drawn By AJC Checked By JED

Drawing Title

GENERAL NOTES

Drawing Number Revision Number

G 01 0



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PROFESSIONAL STAMPS

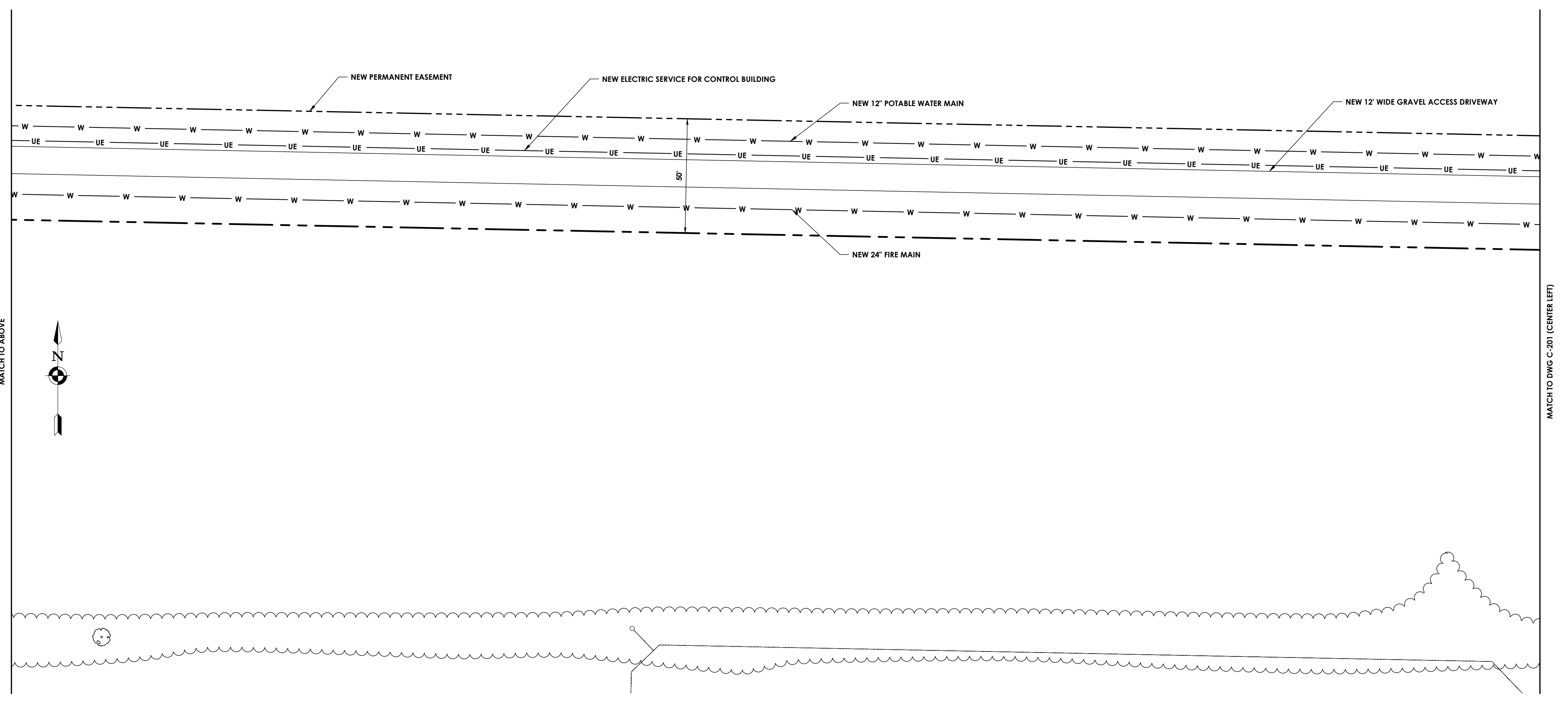
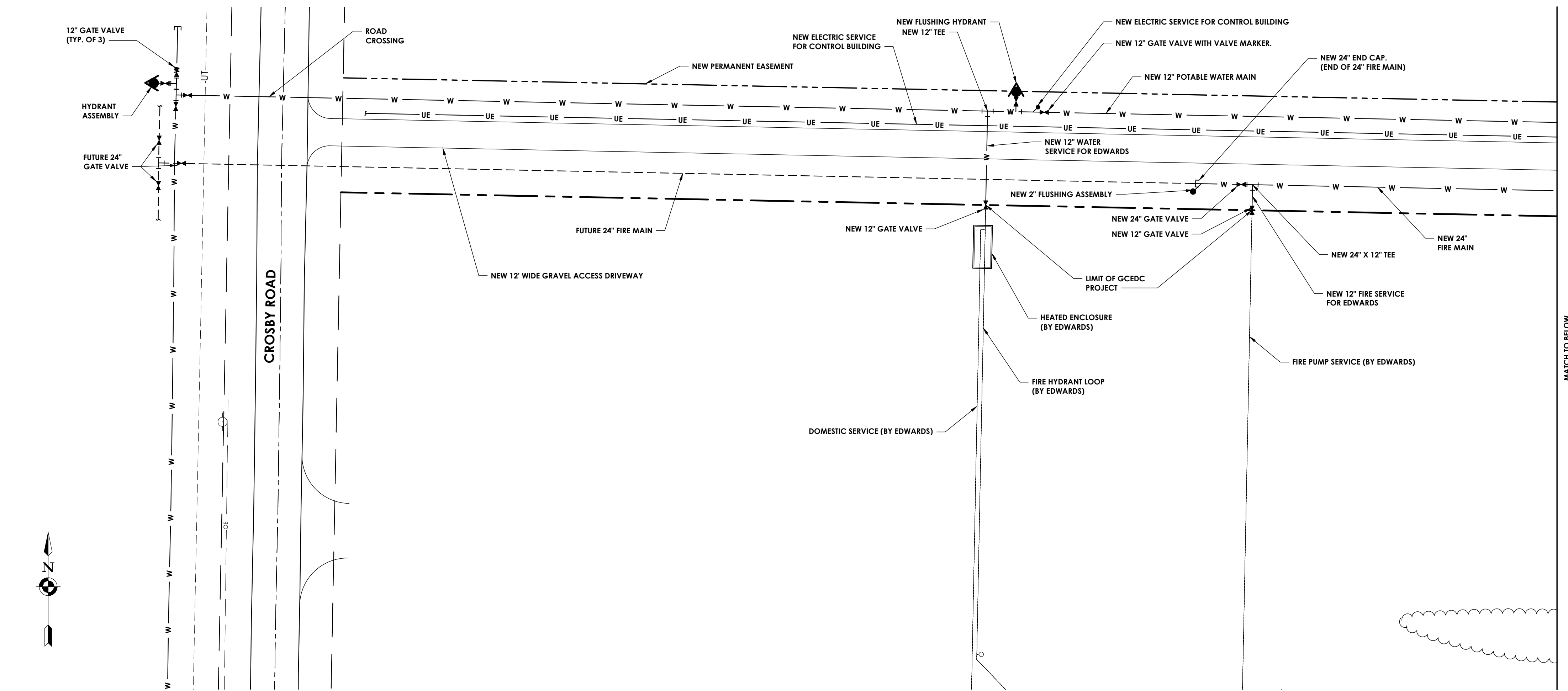
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SHEET INFORMATION

Issued: 04/26/2024 Scale: 1"=30'
 Project Status: DESIGN DEVELOPMENT
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 Drawing Title: ACCESS ROAD SITE PLAN

Drawing Number: **C 200**
 Revision Number: **0**



Plotted By: Brandon Moore

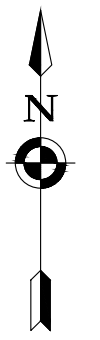
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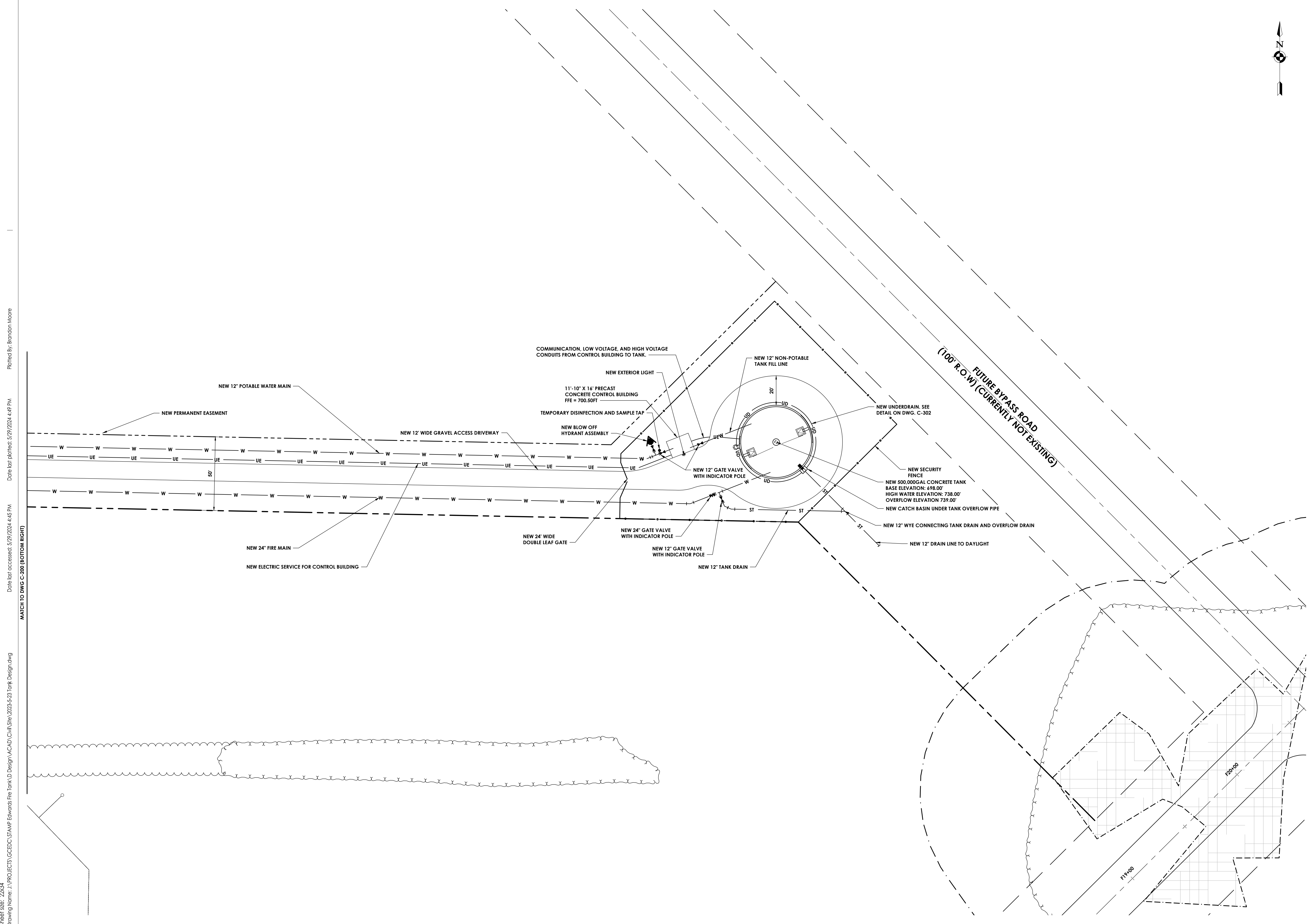
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Drawn By: BRM Checked By: JED

Drawing Title

TANK SITE PLAN

Drawing Number	Revision Number
C 201	0



Plotted By: Brandon Moore

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MATCH TO DWG C-200 (BOTTOM RIGHT)

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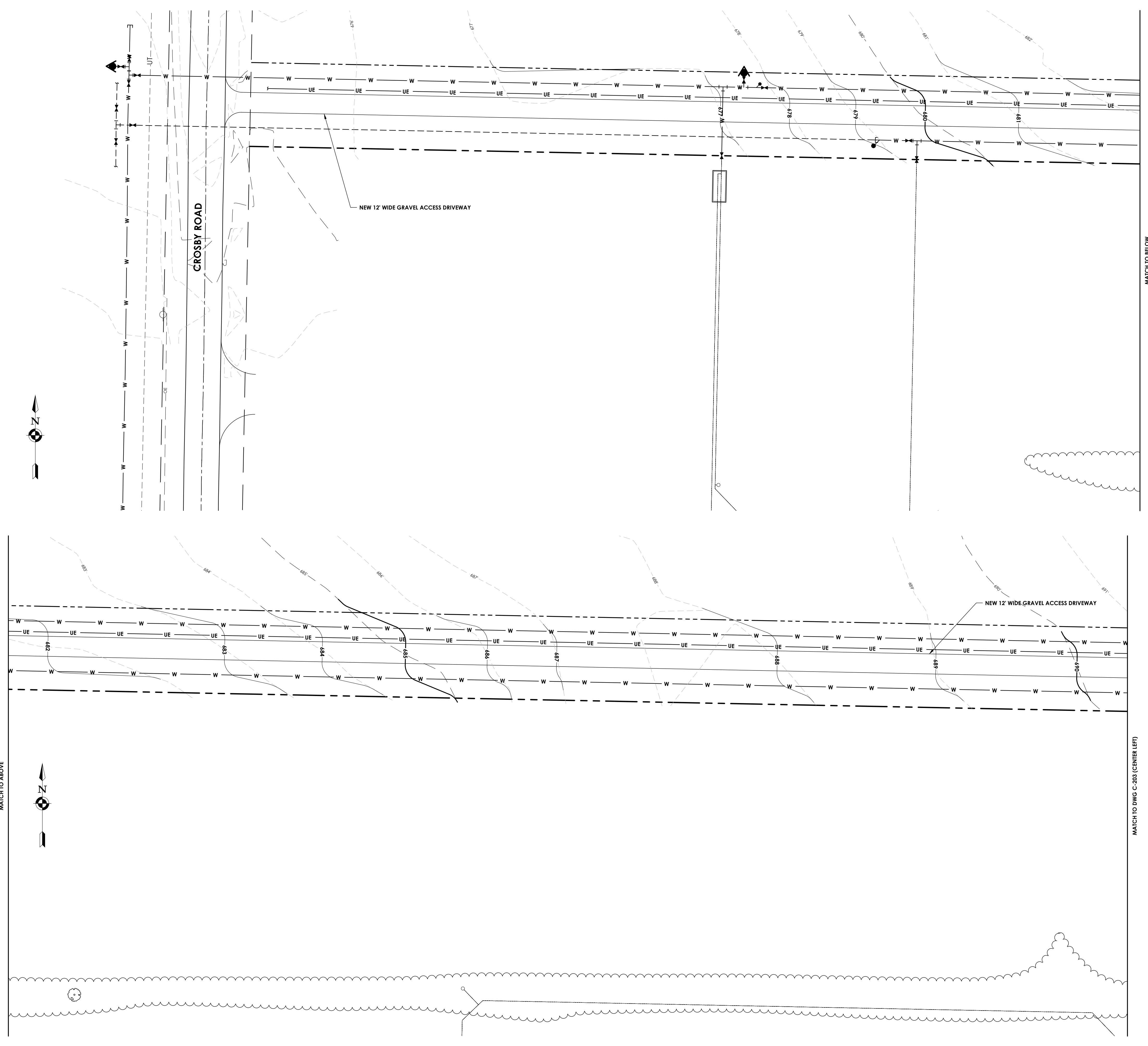
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Drawing Number: C 203 Revision Number:

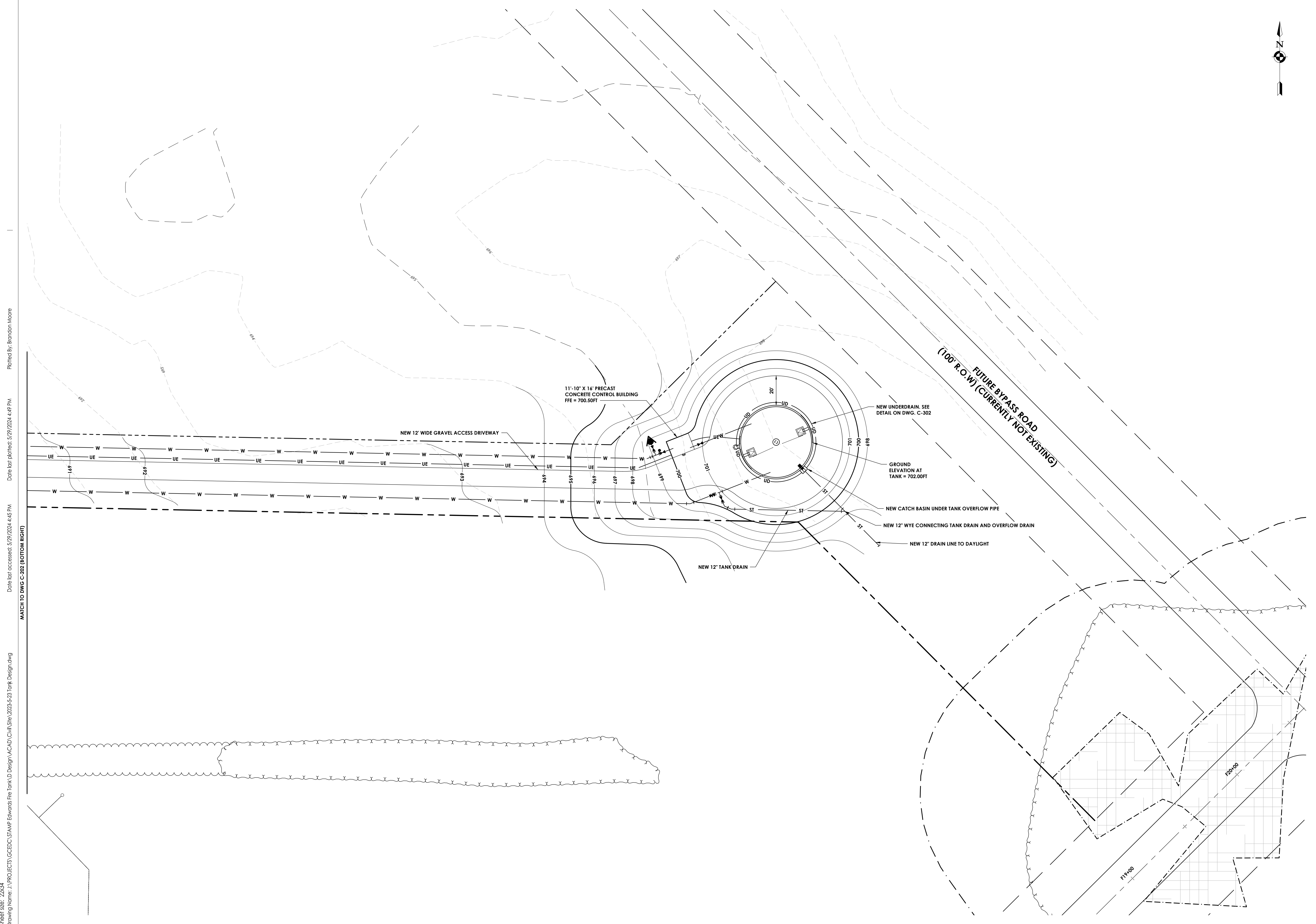
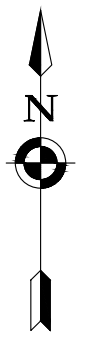
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04/26/2024	1"=30'
Project Status	
DESIGN DEVELOPMENT	
Drawn By	Checked By
BRM	JED
Drawing Title	
TANK GRADING	

Drawing Number Revision Number

**C
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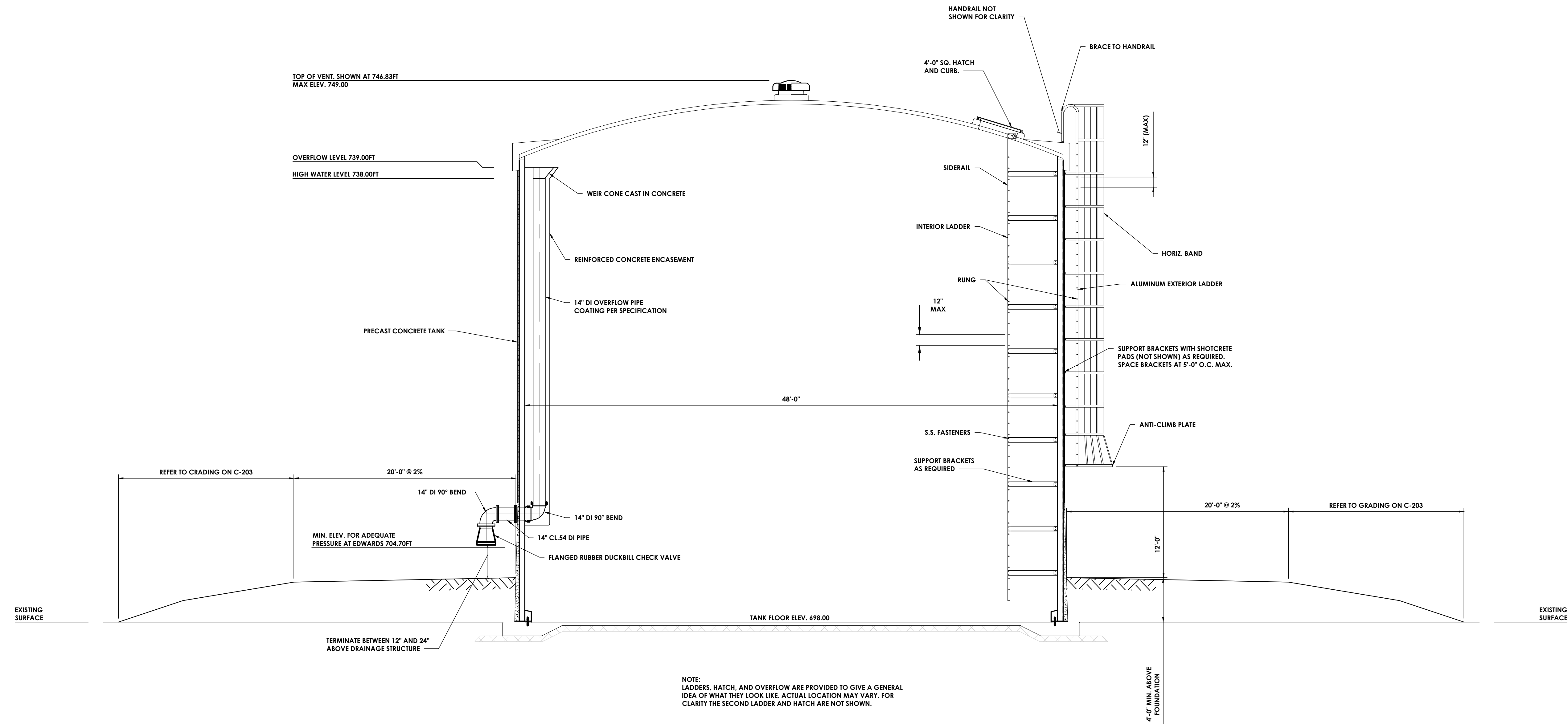
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MATCH TO DWG C-202 (BOTTOM RIGHT)



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 Date last plotted: 5/29/2024 3:21 PM
 Plotted By: Brandon Moore
 MATCH TO SHEET FIG 1A (BOTTOM RIGHT)



NOTE:
 LADDERS, HATCH, AND OVERFLOW ARE PROVIDED TO GIVE A GENERAL IDEA OF WHAT THEY LOOK LIKE. ACTUAL LOCATION MAY VARY. FOR CLARITY THE SECOND LADDER AND HATCH ARE NOT SHOWN.

1 TANK ELEVATION VIEW
 FIG 2 SCALE: 3/16" = 1'-0"

PROJECT INFORMATION

Project Number
 R24.15997.00
 Client Name

GENESSEE COUNTY ECONOMIC DEVELOPMENT CENTER
 Project Name
EDWARDS FIRE TANK

Project Address
 99 MEDTECH DRIVE, SUITE 106 BATAVIA, NY 14020

PROJECT ISSUE & REVISION SCHEDULE

No.	Date	Description
-----	------	-------------

PROFESSIONAL STAMPS

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SHEET INFORMATION

Issued: 04/26/2024 Scale: AS NOTED
 Project Status: DESIGN DEVELOPMENT
 Drawn By: BRM Checked By: JED
 Drawing Title: TANK ELEVATION VIEW

Drawing Number: C 203 Revision Number: 0



CPL | Architecture Engineering Planning
 255 Woodcliff Drive, Suite 200
 Fairport, NY 14450
 CPLteam.com
 NY ENGINEERING FIRM CERTIFICATE #018330

PROJECT INFORMATION

Project Number
 R24.15997.00

Client Name

GENESEE COUNTY ECONOMIC DEVELOPMENT CENTER

Project Name

EDWARDS FIRE TANK

Project Address

99 MEDTECH DRIVE, SUITE 106 BATAVIA, NY 14020

PROJECT ISSUE & REVISION SCHEDULE

No.	Date	Description

PROFESSIONAL STAMPS

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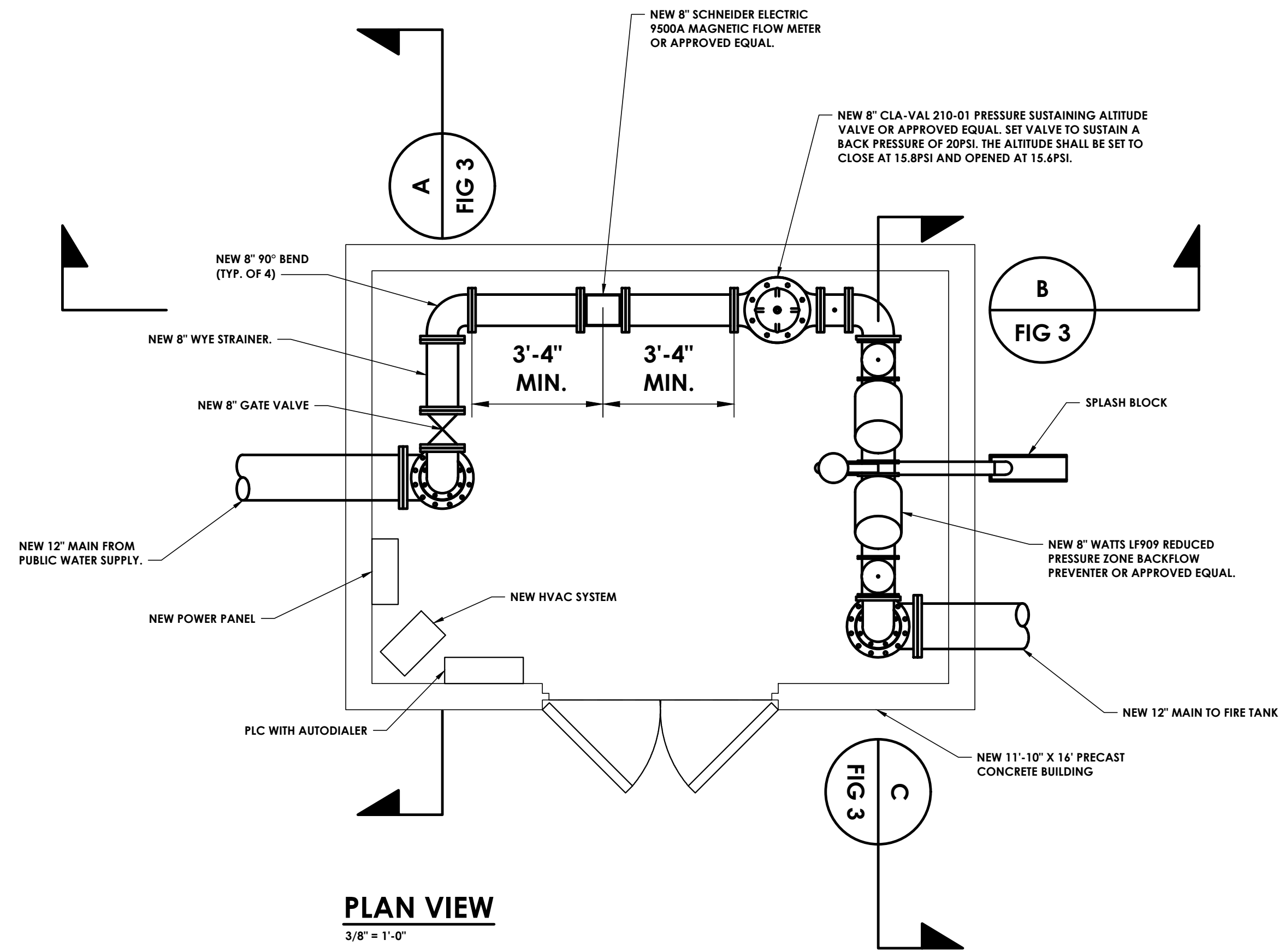
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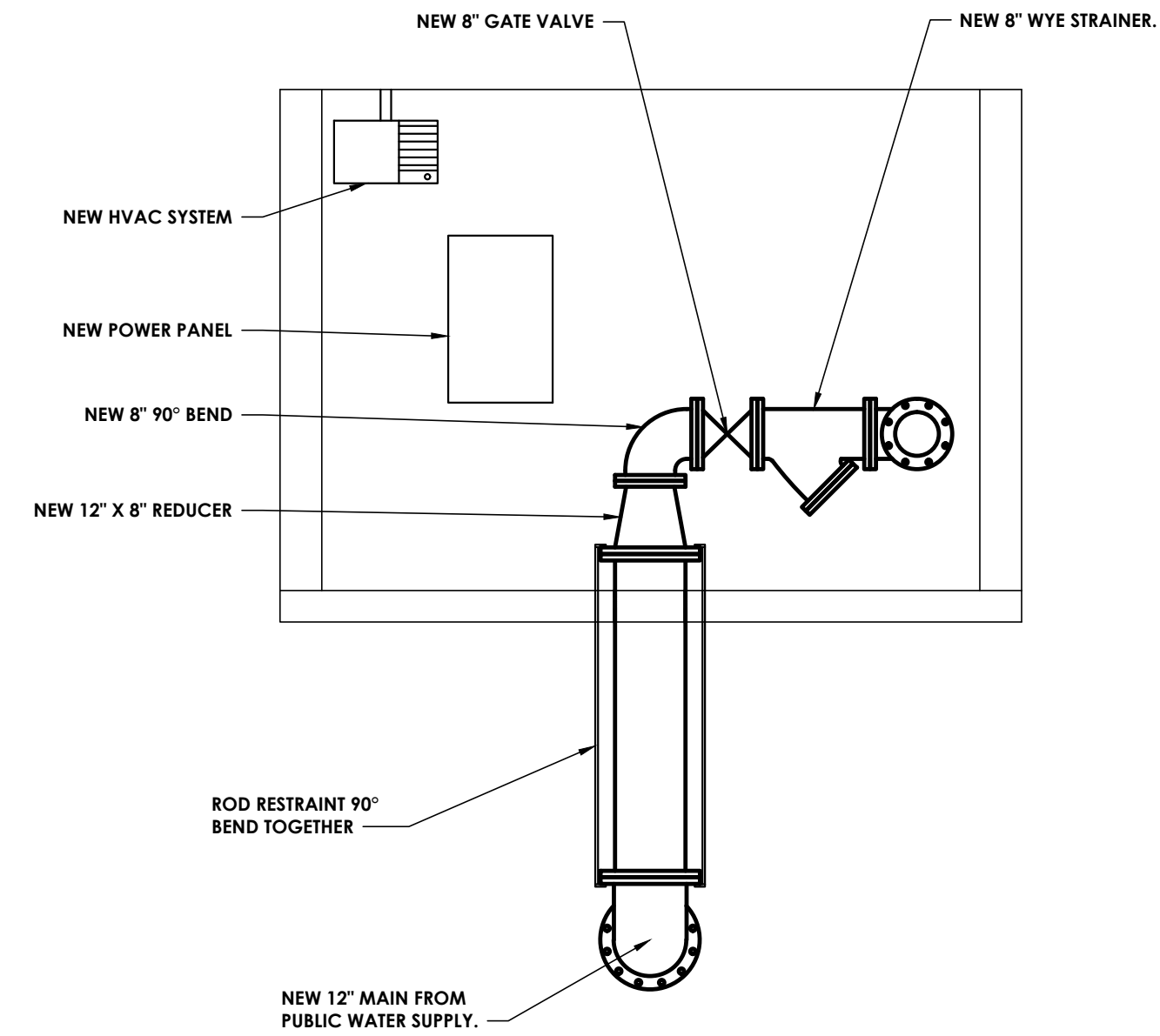
Drawn By: BRM Checked By: JED

Drawing Title: CONTROL BUILDING DETAILS

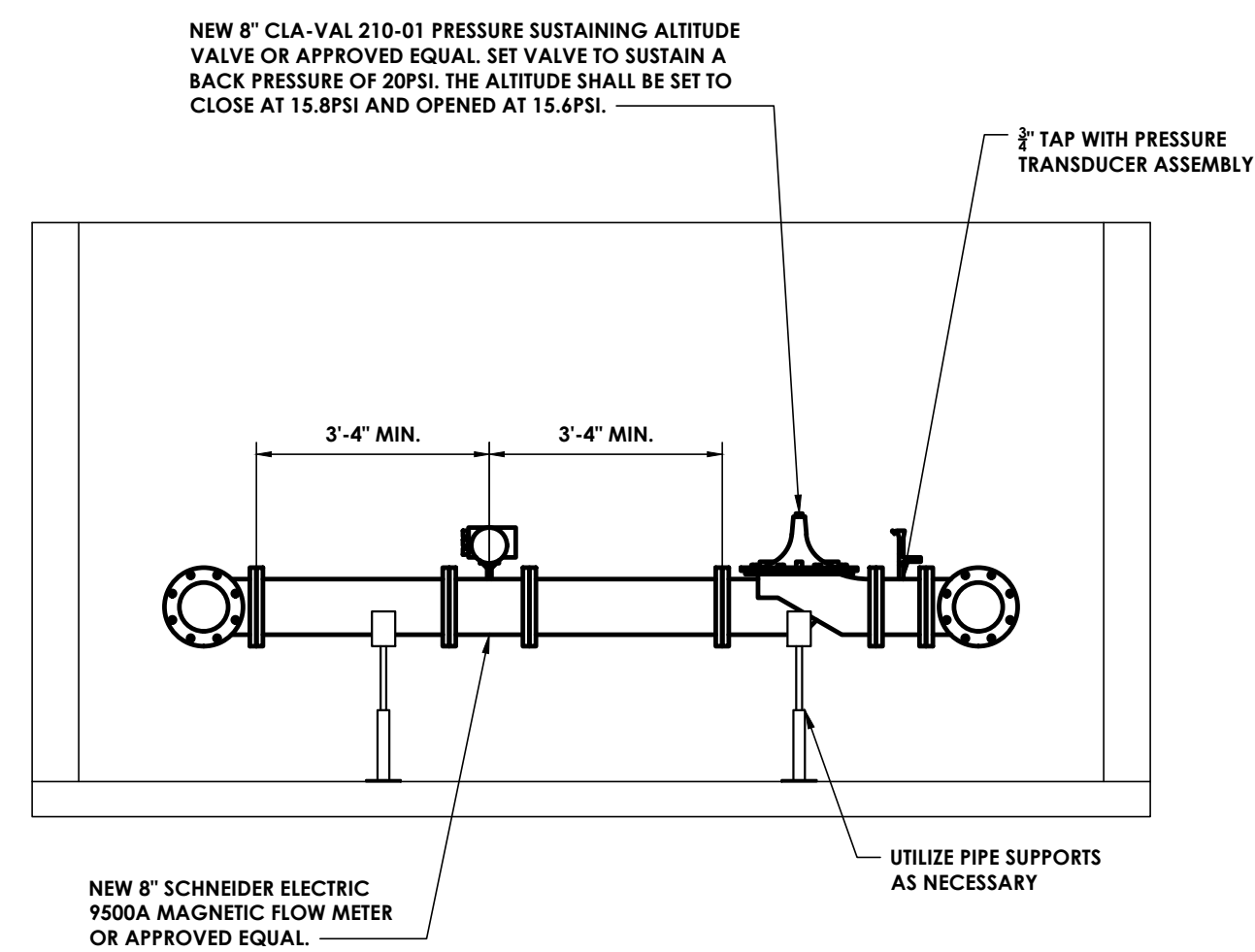
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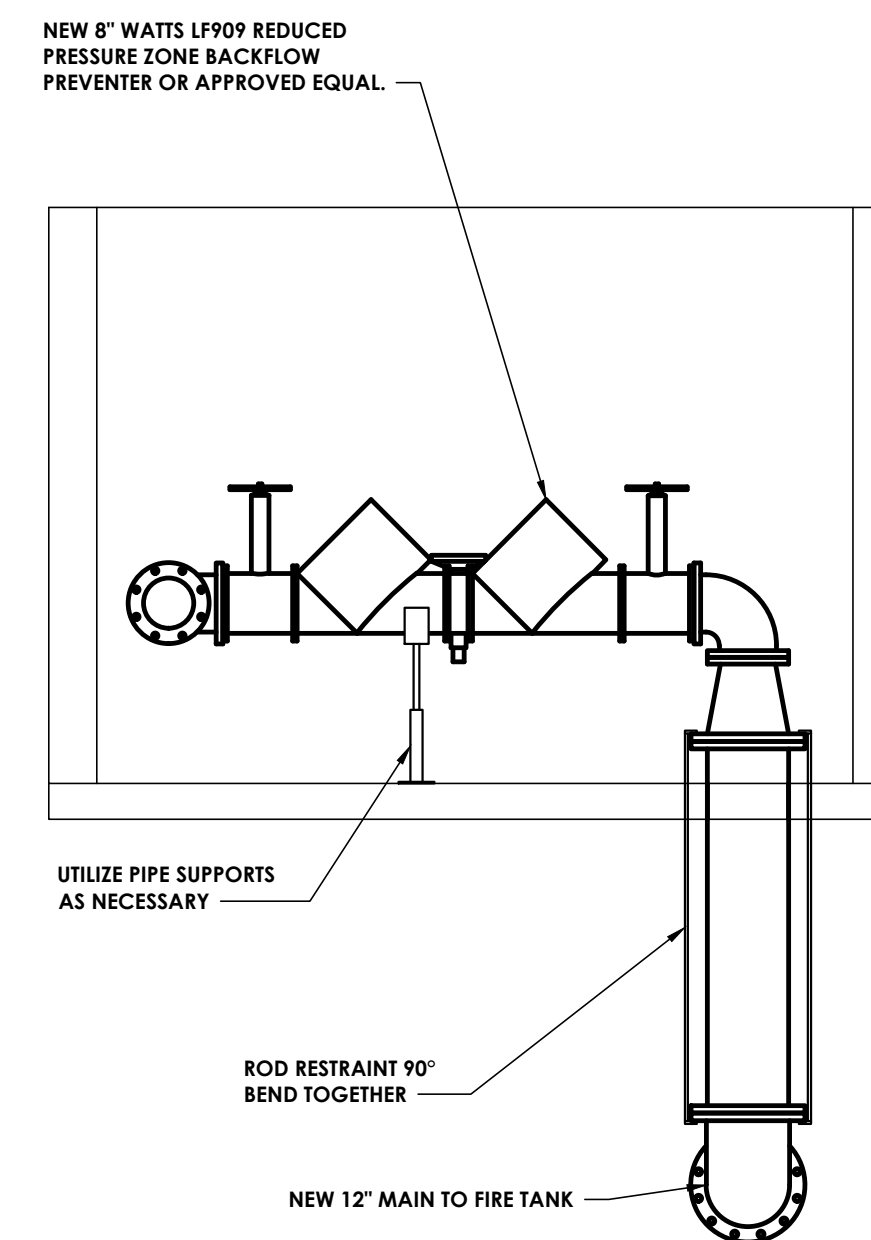
PLAN VIEW
 3/8" = 1'-0"



SECTION A
 3/8" = 1'-0"



SECTION B
 3/8" = 1'-0"



SECTION C
 3/8" = 1'-0"

Plotted By: Brandon Moore

Date last plotted: 5/27/2024 4:53 PM

Date last accessed: 5/27/2024 4:47 PM

Sheet Size: 22x34
 Drawing Name: J:\PROJECTS\CCBDC\STAMP Edwards Fire Tank\CD Design\ACAD\Civil\Detail\STAMP Fire Tank Control Bldg.dwg



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255 Woodcliff Drive, Suite 200
Fairport, NY 14450
CPleam.com
NY ENGINEERING FIRM CERTIFICATE #018330

PROJECT INFORMATION

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R24.15997.00
Client Name

GENESE COUNTY ECONOMIC
DEVELOPMENT CENTER
Project Name
EDWARDS FIRE TANK

Project Address
99 MEDTECH DRIVE, SUITE 106 BATAVIA, NY
14020

PROJECT ISSUE & REVISION SCHEDULE

No. Date Description

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BOARD SHALL RECALL THE EXAMINING ENGINEER OR SURVEYOR LICENSED. IF A TESTING
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ALTERATION.

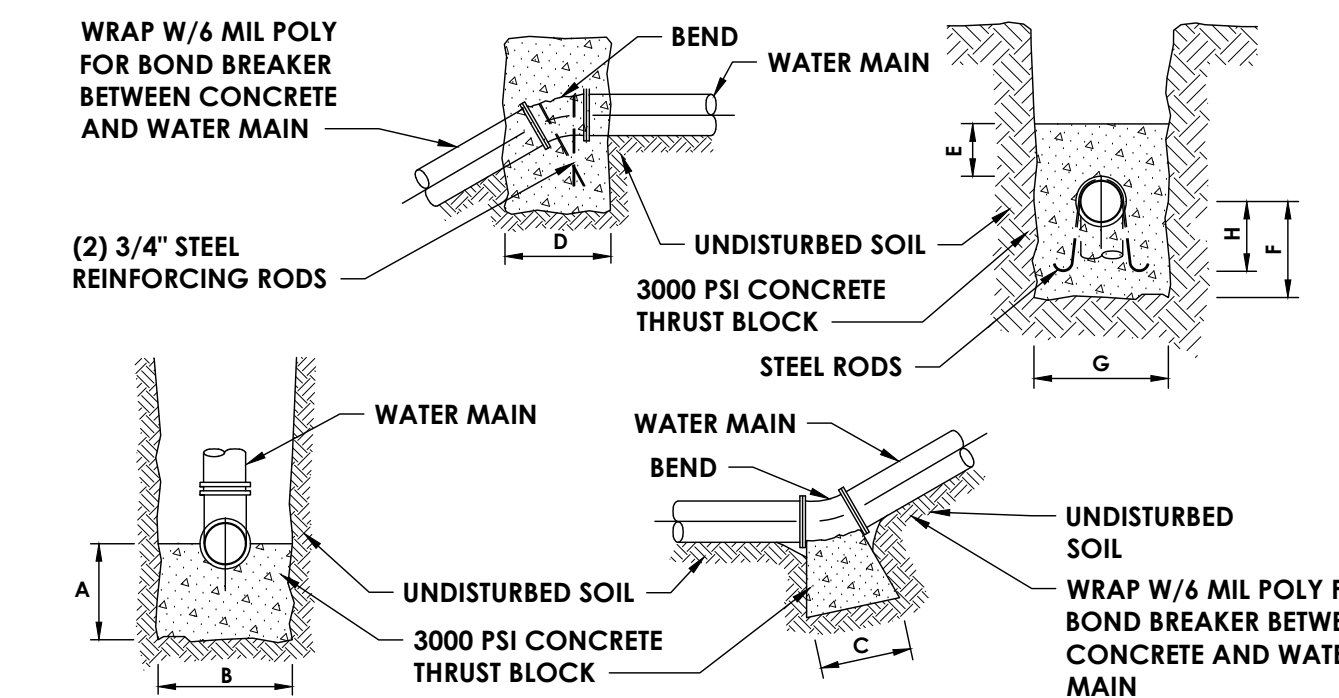
SHEET INFORMATION

Issued: 04/26/2024
Scale: AS NOTED
Project Status: DESIGN DEVELOPMENT
Drawn By: AJC
Checked By: JED
Drawing Title: DETAILS

Drawing Number: Revision Number:

C
301

PIPE SIZE	BEND	MIN. VOLUME OF CONCRETE FOR BLOCK DIMENSIONS D,E,F,G	MINIMUM ALLOWABLE DIMENSION FOR VERTICAL THRUST BLOCKS (FEET)							
			A	B	C	D	E	F	G	ROD LENGTH H
6"	11 - 1/4"	0.2 CY	1.0	2.5	1.0	2.0	0.5	1.0	2.0	0.5
	22 - 1/2"	0.4 CY	1.0	2.5	1.5	2.0	1.0	2.0	2.0	1.5
	45°	0.8 CY	1.5	2.5	1.5	2.5	1.5	2.0	2.5	1.5
8"	90°	1.5 CY	1.5	2.5	2.0	4.0	1.5	2.0	3.0	1.5
	11 - 1/4"	0.35 CY	1.0	2.5	1.5	2.0	1.0	1.5	2.0	1.0
	22 - 1/2"	0.7 CY	1.5	2.5	1.5	2.5	1.0	2.0	2.5	1.5
12"	45°	1.4 CY	1.5	2.5	2.0	4.0	1.5	2.0	3.0	1.5
	90°	2.6 CY	2.0	2.5	2.0	4.0	2.0	3.0	3.5	2.5
	11 - 1/4"	0.8 CY	1.5	3.0	1.5	2.5	1.5	2.0	2.5	1.5
16"	22 - 1/2"	1.6 CY	1.5	3.0	2.0	4.0	2.0	2.0	3.0	1.5
	45°	3.2 CY	2.0	3.0	2.0	5.0	2.0	3.0	3.5	2.5
	90°	6.0 CY	2.0	3.0	2.5	5.5	2.5	3.5	3.5	3.0
14"	11 - 1/4"	2.6 CY	2.0	3.5	4.5	4.1	1.0	2.5	2.0	3.0
	22 - 1/2"	6.8 CY	2.5	3.5	4.5	5.7	1.0	3.5	2.5	4.0
	45°	10.0 CY	3.5	3.5	6.0	7.8	1.5	3.5	3.0	4.0
	90°	12.0 CY	3.0	3.5	6.0	8.0	2.0	3.5	3.5	4.0

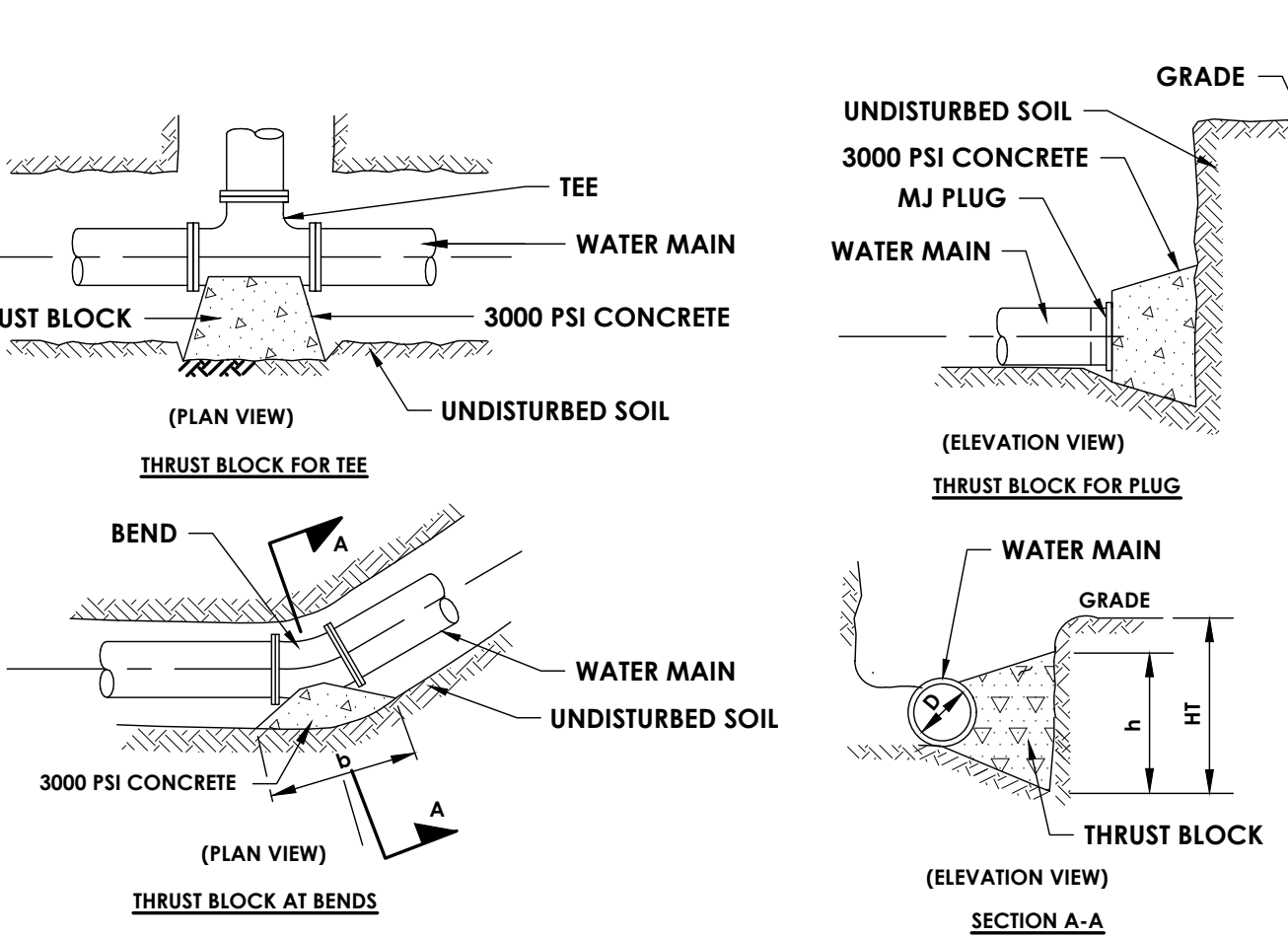


- NOTES:
- WHERE POSSIBLE, BOLTS AND BELL ENDS SHALL REMAIN OUTSIDE OF CONCRETE.
 - THE CONTRACTOR MAY ELECT TO USE REINFORCING RODS AS OPPOSED TO CONCRETE THRUST BLOCKS FOR VERTICAL BENDS. ALL THRUST RESTRAINT BY ROD SHALL BE APPROVED BY THE WATER SYSTEM OPERATOR PRIOR TO INSTALLATION.
 - DIP FITTINGS SHALL BE WRAPPED WITH 6 MIL THICK POLYETHYLENE, 2 FEET BEYOND FITTINGS ON PVC PIPE.
 - PIPE RESTRAINER SHALL BE USED AT ALL FITTINGS TO PVC, CI & DI PIPE CONNECTIONS.
 - NO SUBSTITUTE FOR CONCRETE (I.E. SAKRETE BAGS, WOOD BLOCKS, ETC.) WILL BE ACCEPTED.
 - REFER TO MATERIAL LIST FOR ADDITIONAL INFORMATION.

VERTICAL THRUST BLOCK

NTS

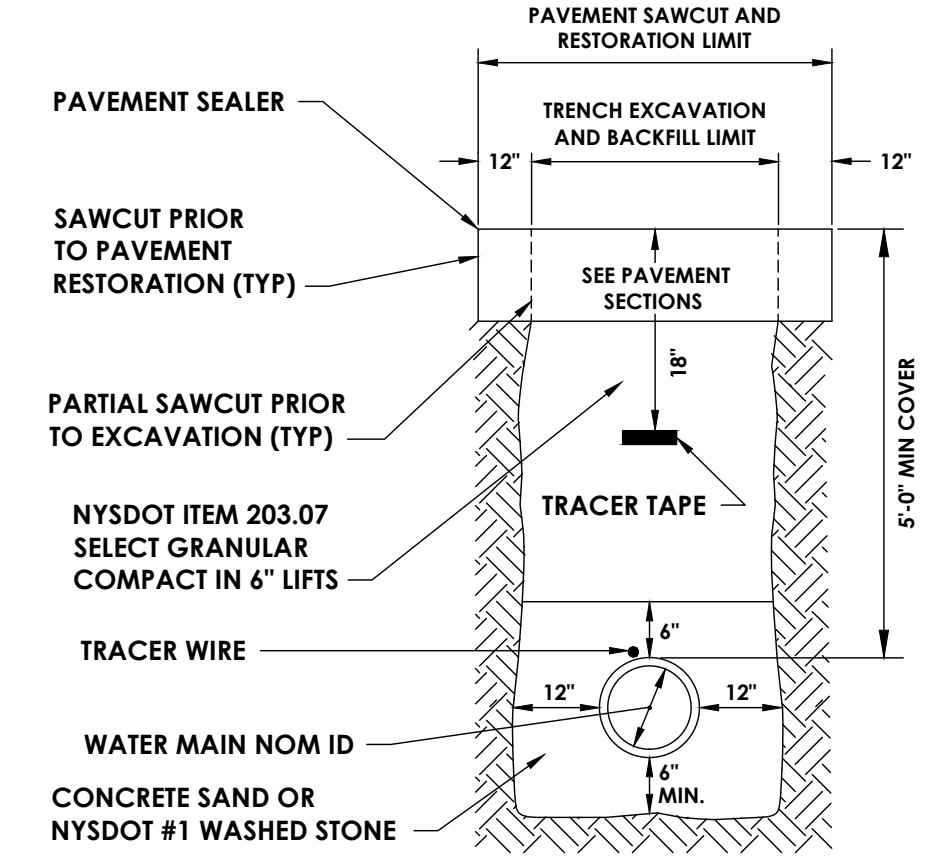
PIPE SIZE	90° BEND	45° BEND	22-1/2° BEND	11-1/4° BEND	TEE/ TSV	PLUG
4" AND 6"	6	3	3	3	4	5
8"	10	6	3	3	8	8
12"	19	7	4	3	10	16
16"	24	13	7	3	19	19



- NOTES:
- BLOCK HEIGHT (h) SHOULD BE EQUAL TO OR LESS THAN ONE-HALF THE TOTAL DEPTH TO THE BOTTOM OF THE BLOCK. (HT), BUT NOT LESS THAN PIPE DIAMETER (D).
 - BLOCK HEIGHT (h) SHOULD BE TWO TIMES THE BLOCK WIDTH (b).
 - DIP FITTINGS SHALL BE WRAPPED WITH 6 MIL THICK POLYETHYLENE, 2 FEET BEYOND END OF FITTING ON PVC PIPE.
 - PIPE RESTRAINER SHALL BE USED AT ALL FITTINGS TO PVC PIPE CONNECTIONS.
 - FLUOROCARBON COATED (BLUE) BOLTS AND NUTS SHALL BE USED AT ALL FITTINGS.
 - NO SUBSTITUTE FOR CONCRETE (I.E. SAKRETE BAGS, WOOD BLOCKS, ETC.) WILL BE ACCEPTED.
 - REFER TO MATERIAL LIST FOR ADDITIONAL INFORMATION.

HORIZONTAL THRUST BLOCK

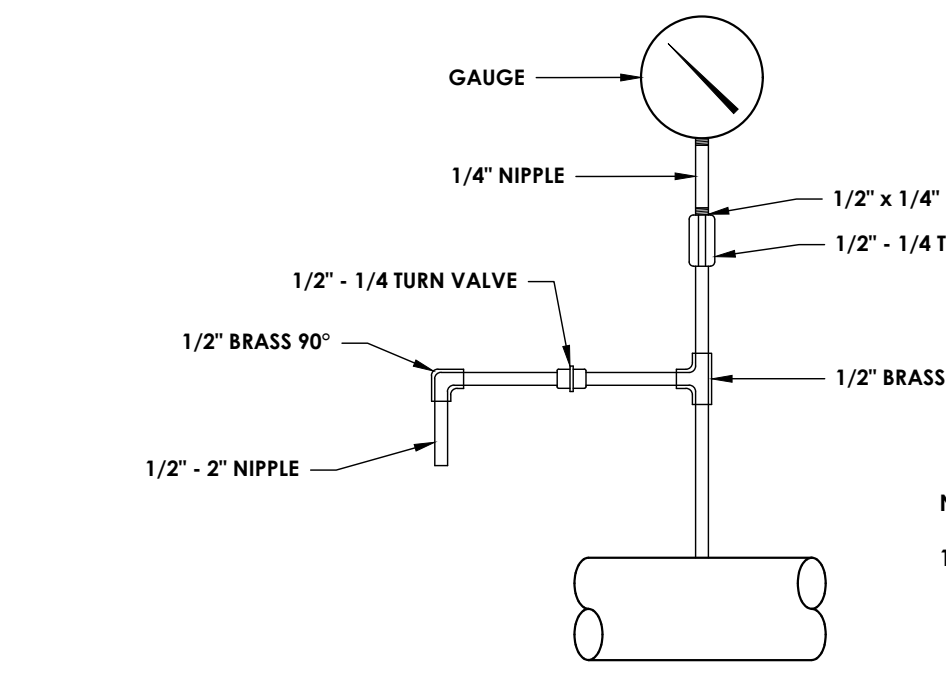
NTS



- NOTES:
- EXISTING ROAD, SHOULDER, AND DRIVEWAY SECTIONS WHICH ARE DISTURBED SHALL BE REPLACED IN KIND USING THE VARIOUS TYPICAL SECTIONS (AS SHOWN IN "PAVEMENT RESTORATION" DETAIL) OR ORDERED BY THE ENGINEER.
 - THIS TRENCH BACKFILL SHALL APPLY TO ANY LOCATIONS WHERE THE CENTER LINE OF NEW WATER MAIN IS WITHIN 5 FEET OF PAVEMENT (ROAD OR SHOULDER).
 - REFER TO MATERIAL LIST FOR ADDITIONAL INFORMATION.

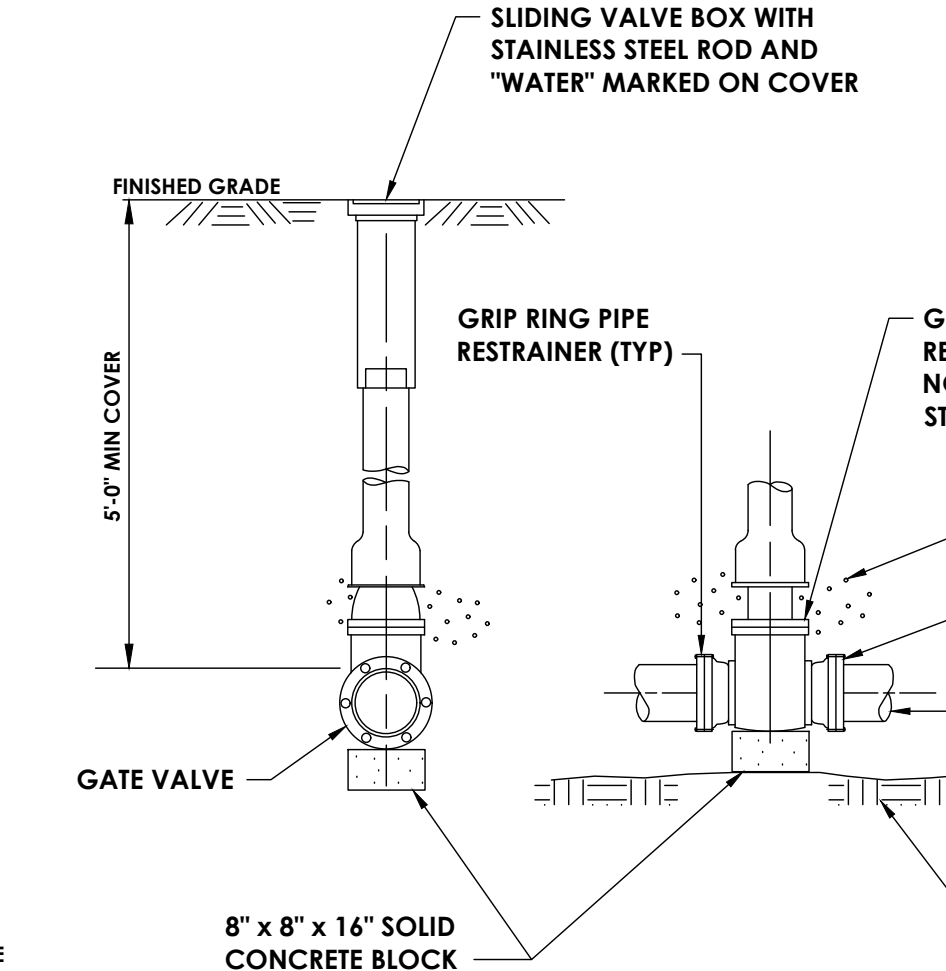
TRENCH AND RESTORATION: ROAD

NTS



PRESSURE GAUGE AND BLOWOFF DETAIL

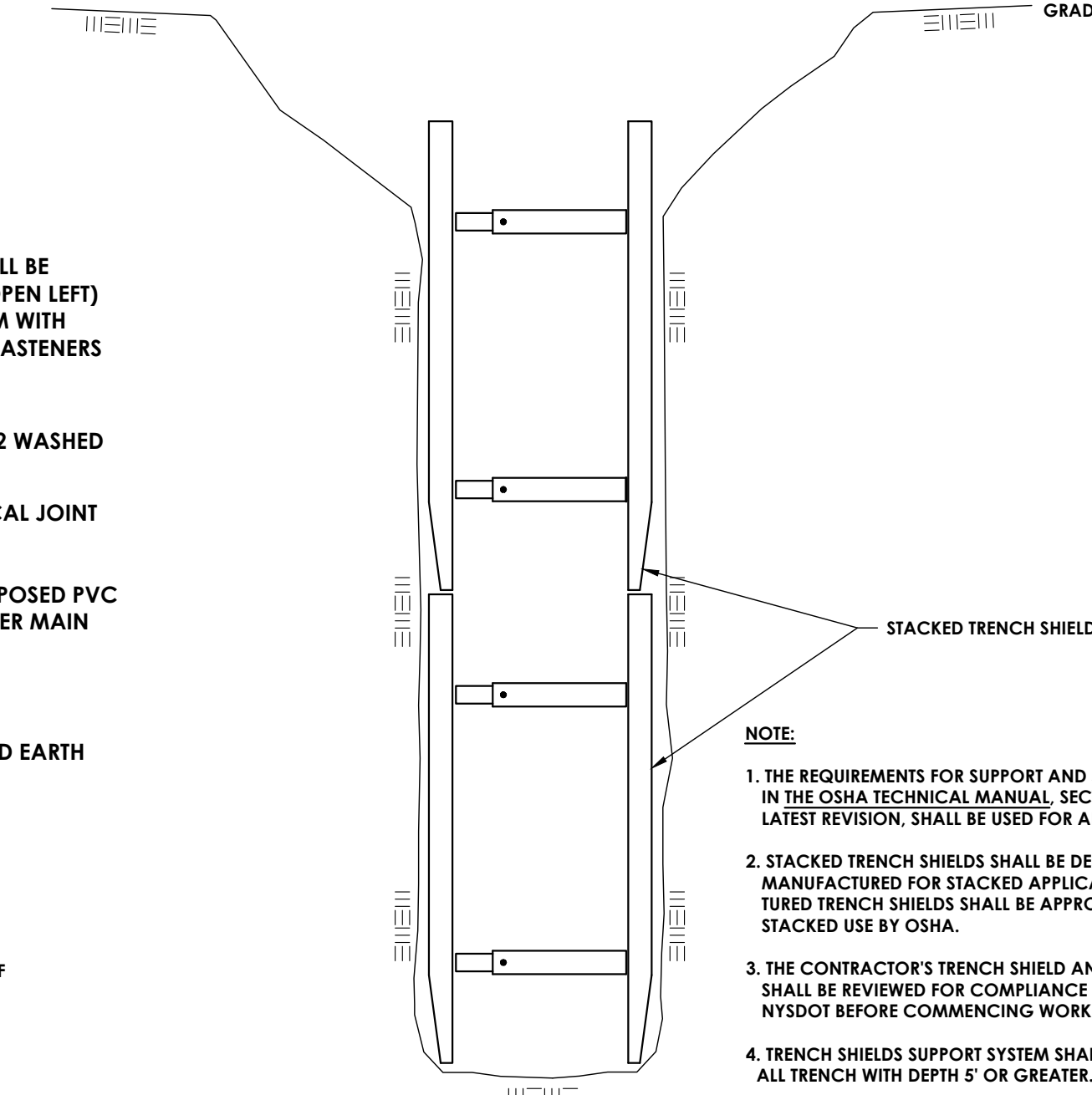
N.T.S.



- NOTES:
- THE VALVE BOX SHALL BE BACKFILLED SO THAT IT DOES NOT REST ON THE VALVE HOUSING.
 - ALL BOLTS AND NUTS SHALL BE FLUOROCARBON COATED (BLUE).
 - VALVE SHALL BE WRAPPED WITH 6 MIL THICK POLYETHYLENE 2 FEET BEYOND END OF VALVE.
 - REFER TO MATERIAL LIST FOR ADDITIONAL INFORMATION.

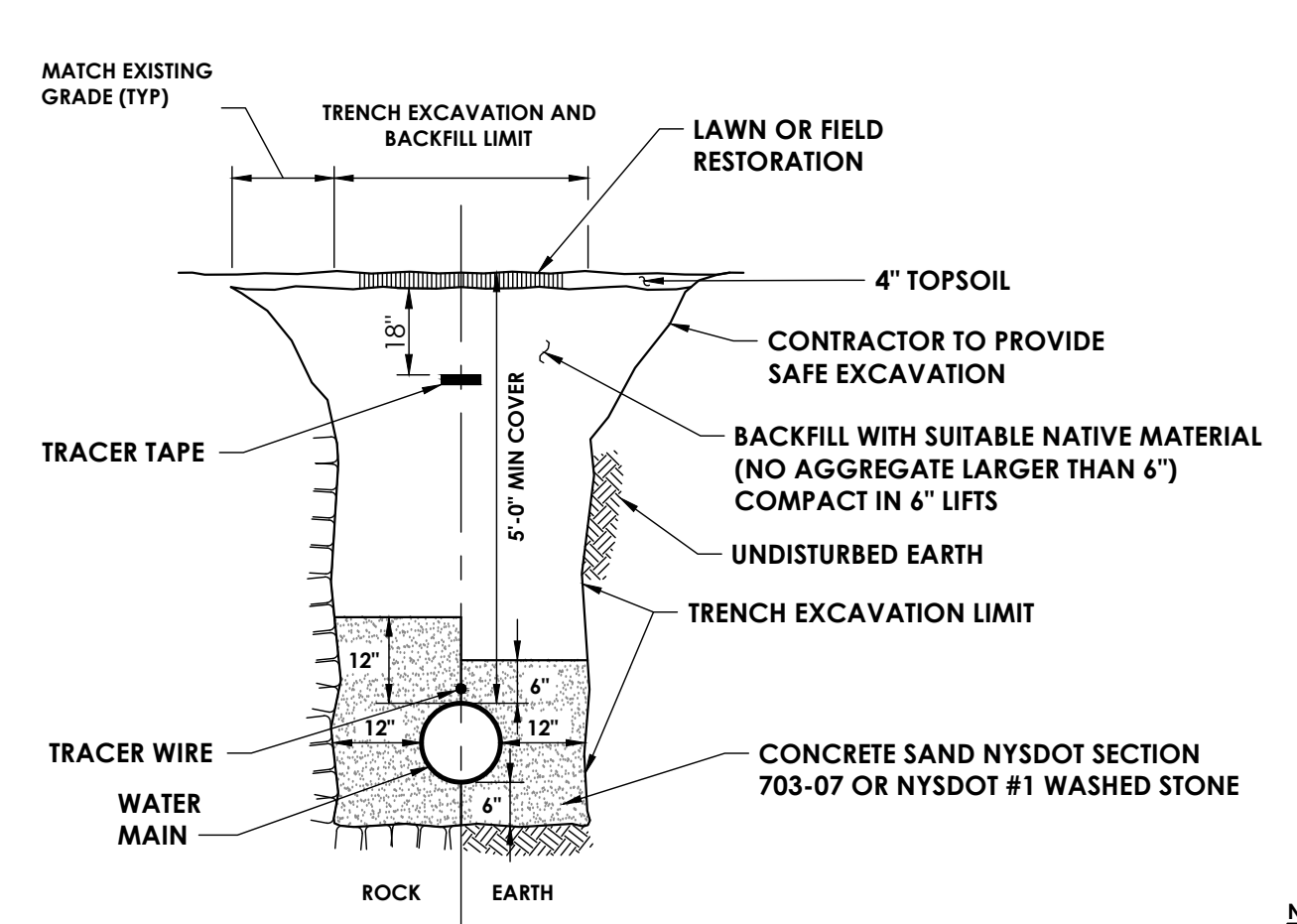
GATE VALVE

NTS



TYPICAL TRENCH SHIELD DETAIL

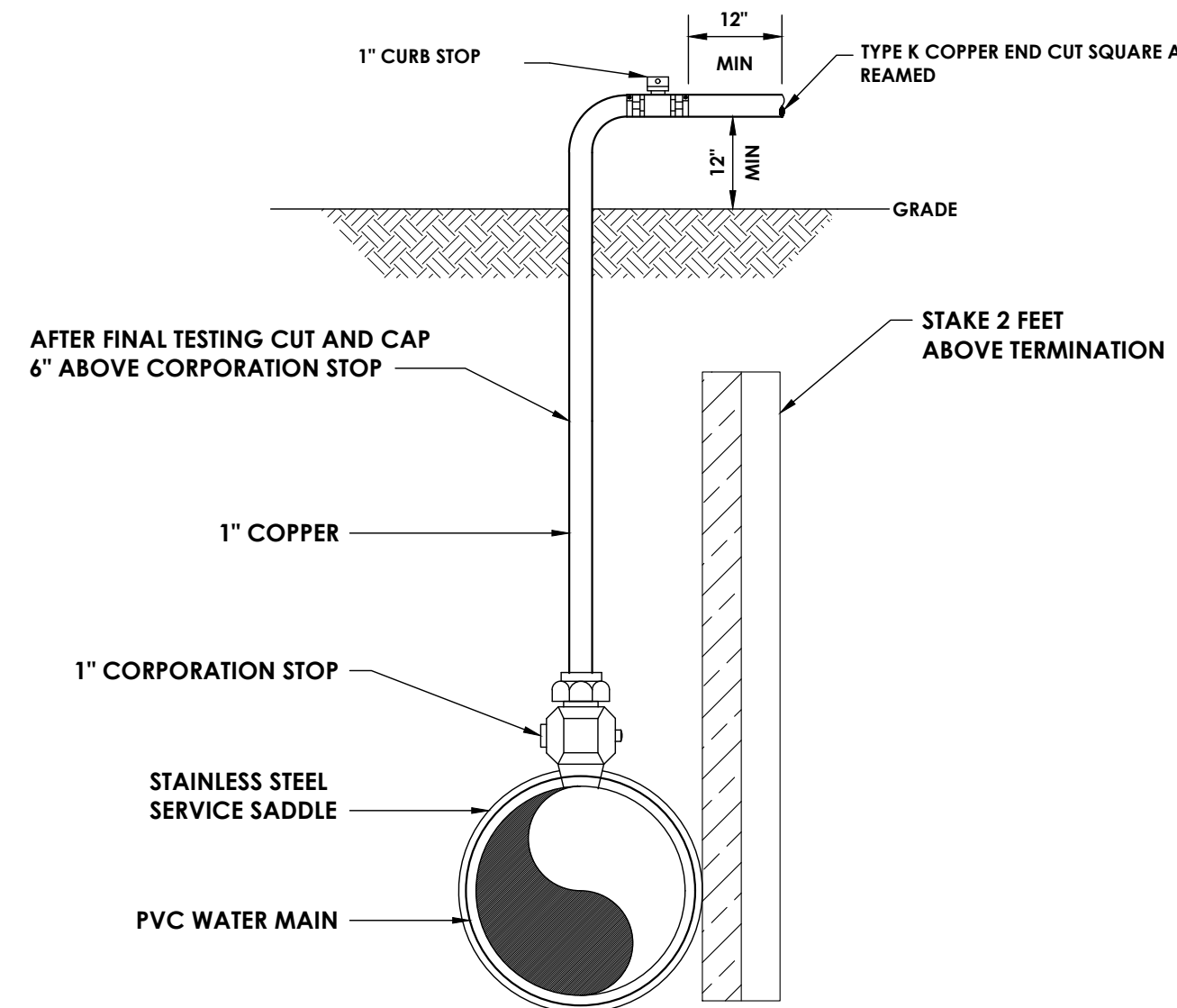
N.T.S.



- NOTES:
- WHEN THE CENTER LINE OF THE WATER MAIN IS WITHIN 5 FEET OF PAVEMENT (ROAD OR SHOULDER), THE BACKFILL REQUIREMENTS OF STANDARD DETAIL "TRENCH AND RESTORATION: ROAD" SHALL APPLY.
 - REFER TO SPECIFICATIONS FOR TOPSOIL AND SEED REQUIREMENTS.
 - REFER TO MATERIAL LIST FOR ADDITIONAL INFORMATION.

TRENCH AND RESTORATION: LAWN

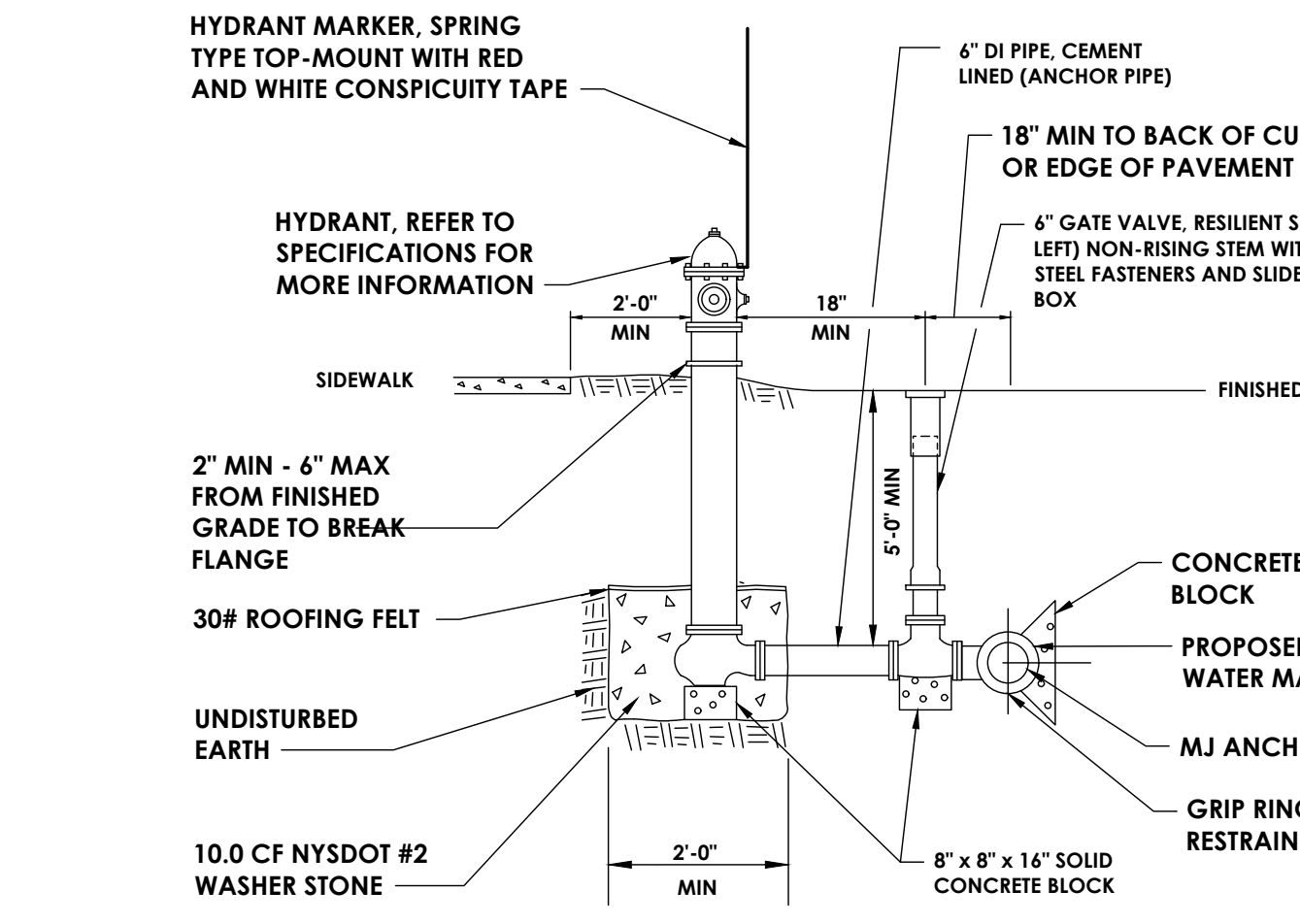
NTS



- NOTES:
- STAINLESS STEEL INSERTS SHALL BE USED AT ALL PE CONNECTIONS.
 - THE SADDLE AND CORPORATION STOP SHALL BE INITIALLY PLACED AT 22-1/2 DEGREES FROM HORIZONTAL IF IT WILL BE USED AS A SERVICE LOCATION.
 - IMMEDIATELY PRIOR TO THE WATER DEPARTMENT PLACING THE WATER MAIN IN SERVICE, THE CONTRACTOR SHALL REMOVE ALL COMPONENTS ASSOCIATED WITH TEMPORARY FACILITIES. THE CORPORATION STOP SHALL BE PLACED IN THE CLOSED POSITION AND THE QUICK CONNECT COUPLING PLUGGED IF THE LOCATION IS NOT USED AS A WATER SERVICE.
 - THE WATER MAIN SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA STANDARDS. FOLLOWING DISINFECTION, THE WATER MAIN SHALL BE FLUSHED UNTIL THE CHLORINE CONCENTRATION IN THE WATER LEAVING THE MAIN IS NO HIGHER THAN THAT GENERALLY PREVAILING IN THE SYSTEM. THE SAMPLING POINT(S) MUST BE DECONTAMINATED BY FLAMING.
 - FIRE HYDRANTS ARE NOT ACCEPTABLE SAMPLING POINTS.
 - THE WATER MAIN SHALL NOT BE PLACED INTO SERVICE UNTIL SO AUTHORIZED BY THE HEALTH DEPARTMENT.
 - REFER TO MATERIAL LIST FOR ADDITIONAL INFORMATION.

TEMPORARY DISINFECTION/BLOW-OFF/SAMPLING TAP

NTS



- NOTES:
- HYDRANT WEEP HOLES SHALL NOT BE PLUGGED UNLESS GROUNDWATER IS ENCOUNTERED WITHIN 7 FEET OF FINISHED GRADE, OR AS ORDERED BY THE ENGINEER. IF HYDRANT WEEP HOLES ARE PLUGGED, PAINT BONNET PER FIRE DEPARTMENT STANDARDS.
 - ALL FLANGES ON THE HYDRANT LEG ARE TO BE MECHANICAL JOINT, RESTRAINING TYPE.
 - THE BARREL SHALL BE A SINGLE PIECE OF PIPE. NO EXTENSIONS SHALL BE PERMITTED.
 - DIP FITTINGS AND VALVES SHALL BE WRAPPED WITH 6 MIL THICK POLYETHYLENE, 2 FEET BEYOND END OF FITTING ON PVC PIPE, TO INCLUDE HYDRANT BURY.
 - ALL BOLTS AND NUTS SHALL BE FLUOROCARBON COATED (BLUE).
 - ORIENTATION AND EXACT LOCATION SHALL BE DETERMINED BY THE WATER SYSTEM OPERATOR.
 - REFER TO MATERIAL LIST FOR ADDITIONAL INFORMATION.

FIRE HYDRANT ASSEMBLY

NTS

Plotted By: Brandon Moore

Date last plotted: 5/29/2024 3:21 PM

Date last accessed: 5/29/2024 3:00 PM

Sheet Size: 22x34
Drawing Name: \\PROJECTS\CCDC\STAMP Edwards Fire Tank\ID Design\ACAD\Civil\Detail\DETAILS.dwg



PROJECT INFORMATION

Project Number
 R24.15997.00
 Client Name

GENESE COUNTY ECONOMIC DEVELOPMENT CENTER
 Project Name
EDWARDS FIRE TANK

Project Address
 99 MEDTECH DRIVE, SUITE 106 BATAVIA, NY 14020

PROJECT ISSUE & REVISION SCHEDULE

No. Date Description

PROFESSIONAL STAMPS

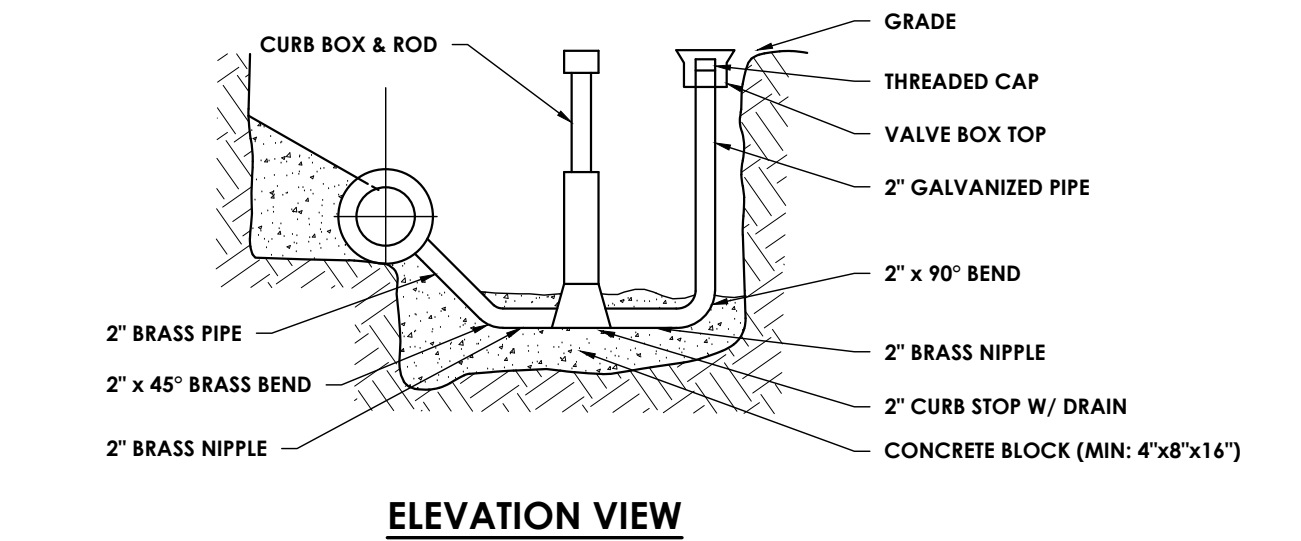
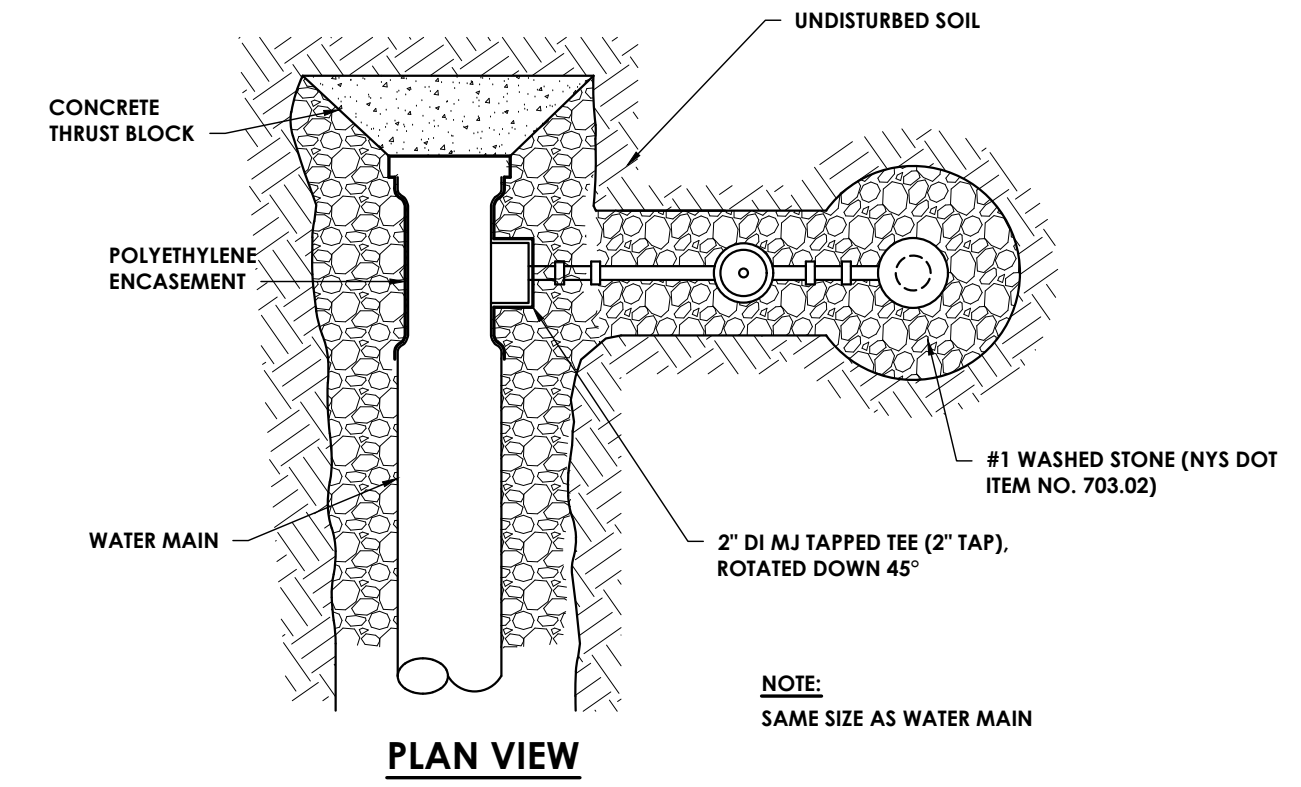
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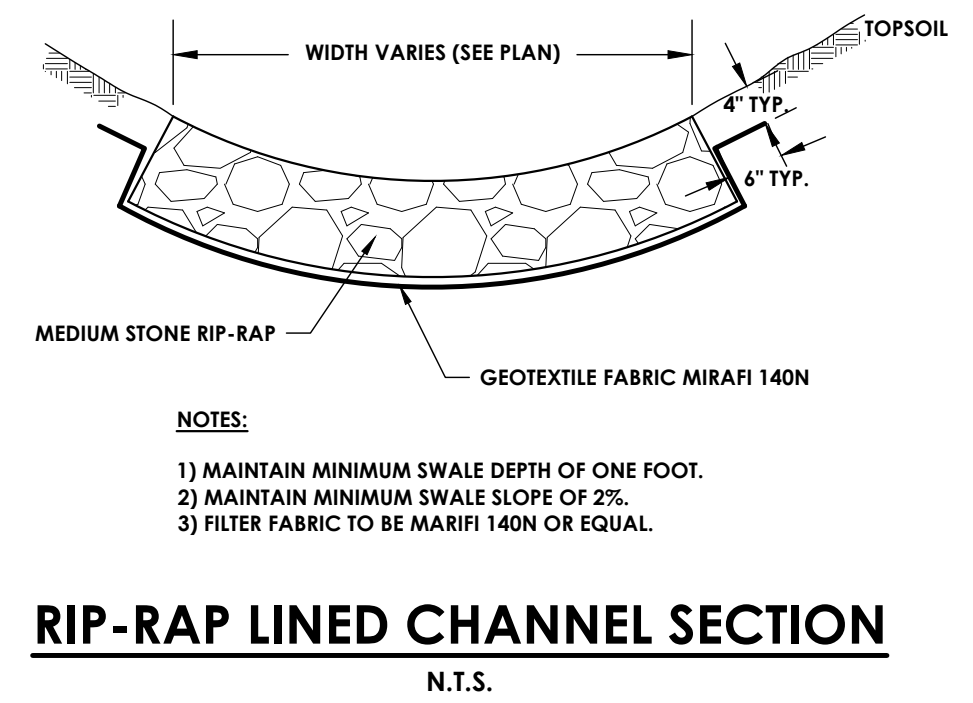
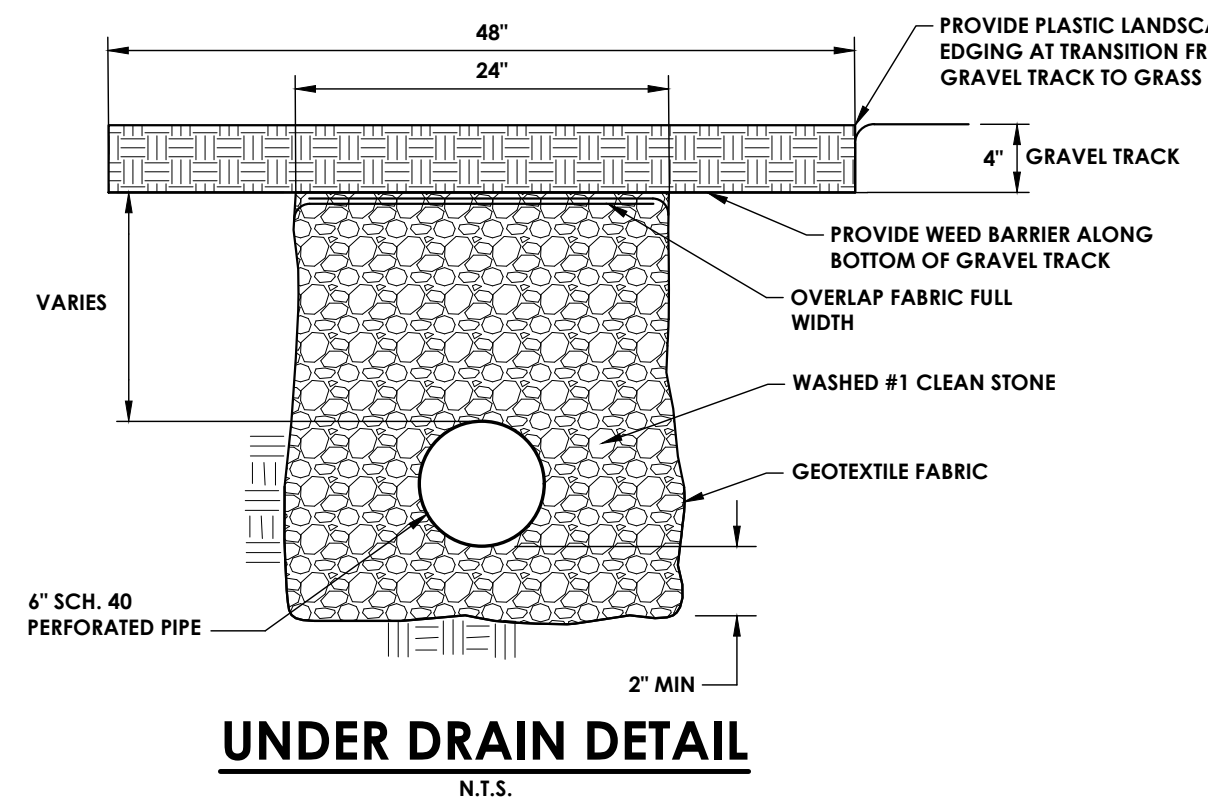
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 Drawn By: AJC Checked By: JED
 Drawing Title: DETAILS

Drawing Number: Revision Number

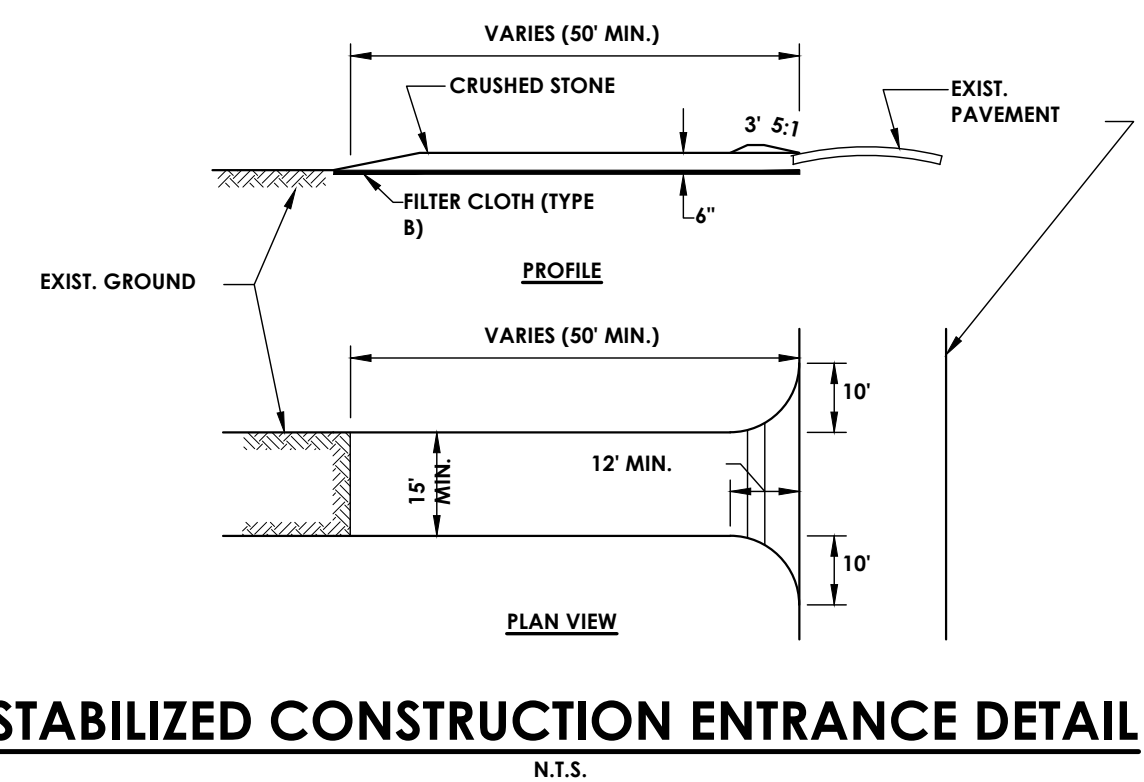
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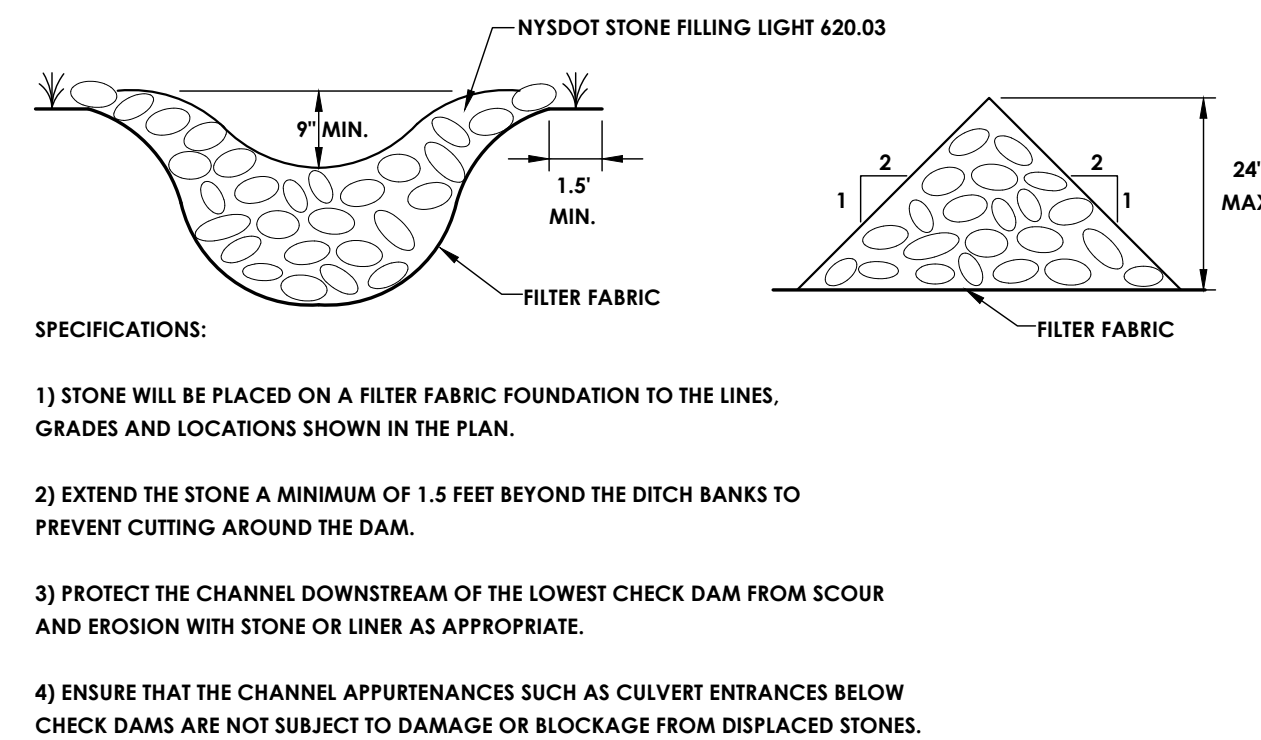
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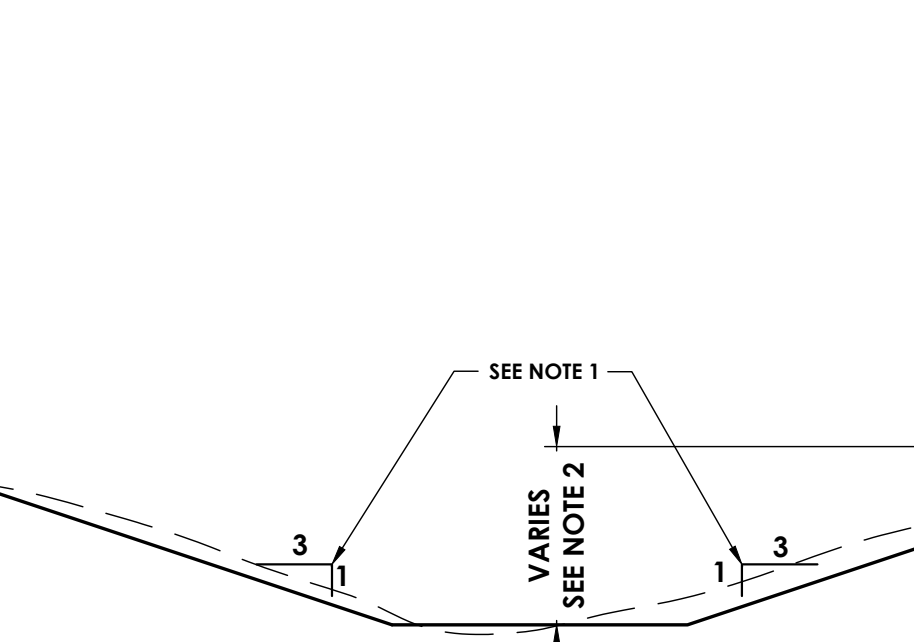
RIP-RAP LINED CHANNEL SECTION
 N.T.S.



STABILIZED CONSTRUCTION ENTRANCE DETAIL
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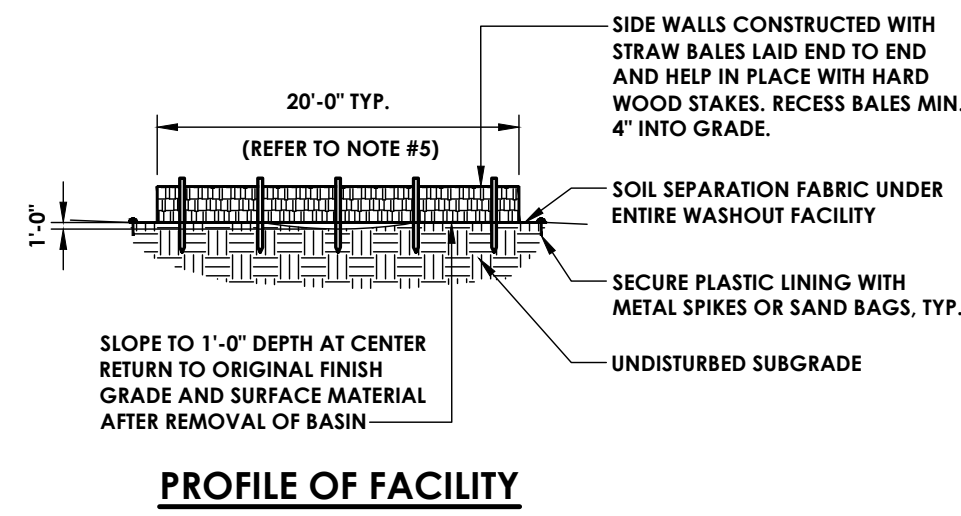


CHECK DAM
 N.T.S.

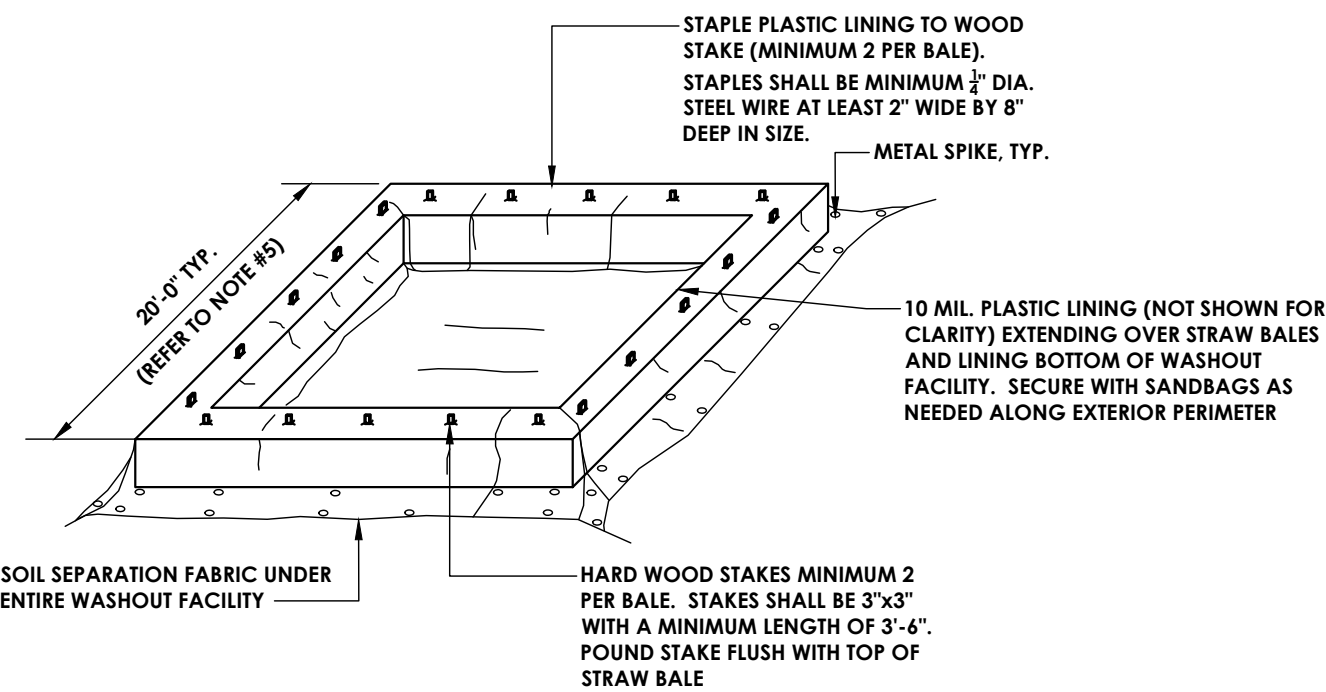


NOTES:
 1. SIDE SLOPES MAY VARY IN AREAS OF LIMITED R.O.W.
 2. MAXIMUM DITCH DEPTH SHALL BE APPROXIMATELY 3'

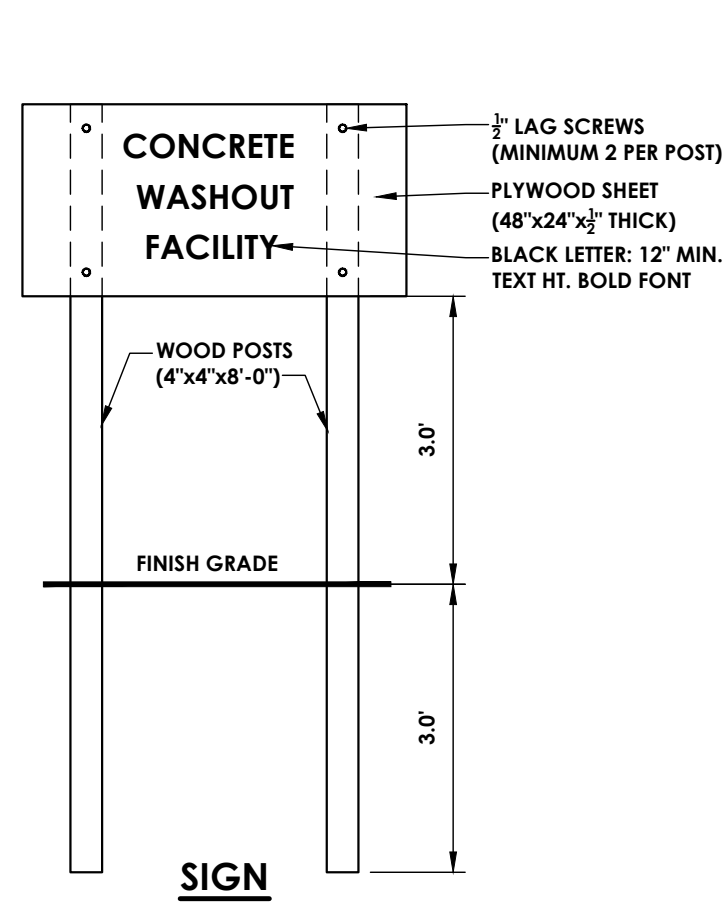
TYPICAL DITCH RESTORATION DETAIL
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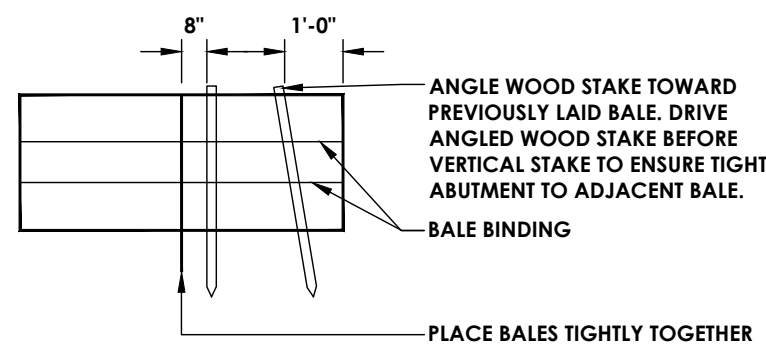
PROFILE OF FACILITY



ISOMETRIC VIEW OF FACILITY

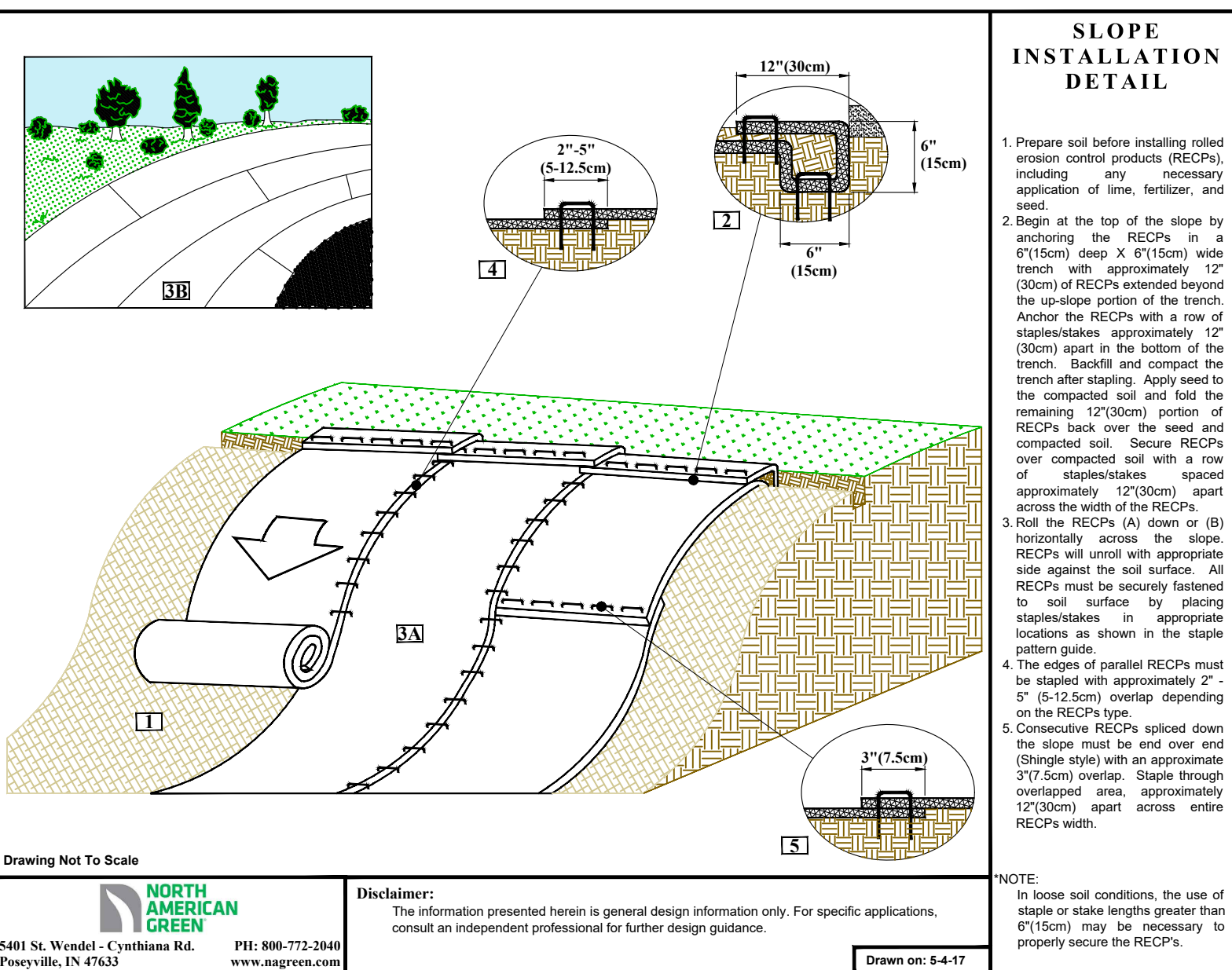


SIGN



BALE PROFILE

CONCRETE WASH AREA DETAIL
 N.T.S.



SLOPE STABILIZATION DETAIL

1. Prepare soil before installing rolled erosion control products (RECPs), including any necessary application of lime, fertilizer, and seed.
 2. Begin at the top of the slope by anchoring the RECPs in a 6\"/>

Drawing Not To Scale

NORTH AMERICAN GREEN
 5401 St. Wendel - Cynthia Rd. P.O. Box 772-2040
 Posenyville, IN 47633 PHE: 800-772-2040
 www.usgreen.com

Disclaimer:
 The information presented herein is general design information only. For specific applications, consult an independent professional for further design guidance.

NOTE:
 In loose soil conditions, the use of staple or stake lengths greater than 6\"/>

Drawn on: 5-4-17

NOTES:
 1. USE ERONET S150 BY NORTH AMERICAN GREEN OR APPROVED EQUAL.

SLOPE STABILIZATION DETAIL
 N.T.S.

Printed By: Brandon Moore

Date last plotted: 5/29/2024 3:21 PM

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 255 Woodcliff Drive, Suite 200
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 CPLteam.com
 NY ENGINEERING FIRM CERTIFICATE #018330

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 99 MEDTECH DRIVE, SUITE 106 BATAVIA, NY 14020

PROJECT ISSUE & REVISION SCHEDULE

No. Date Description

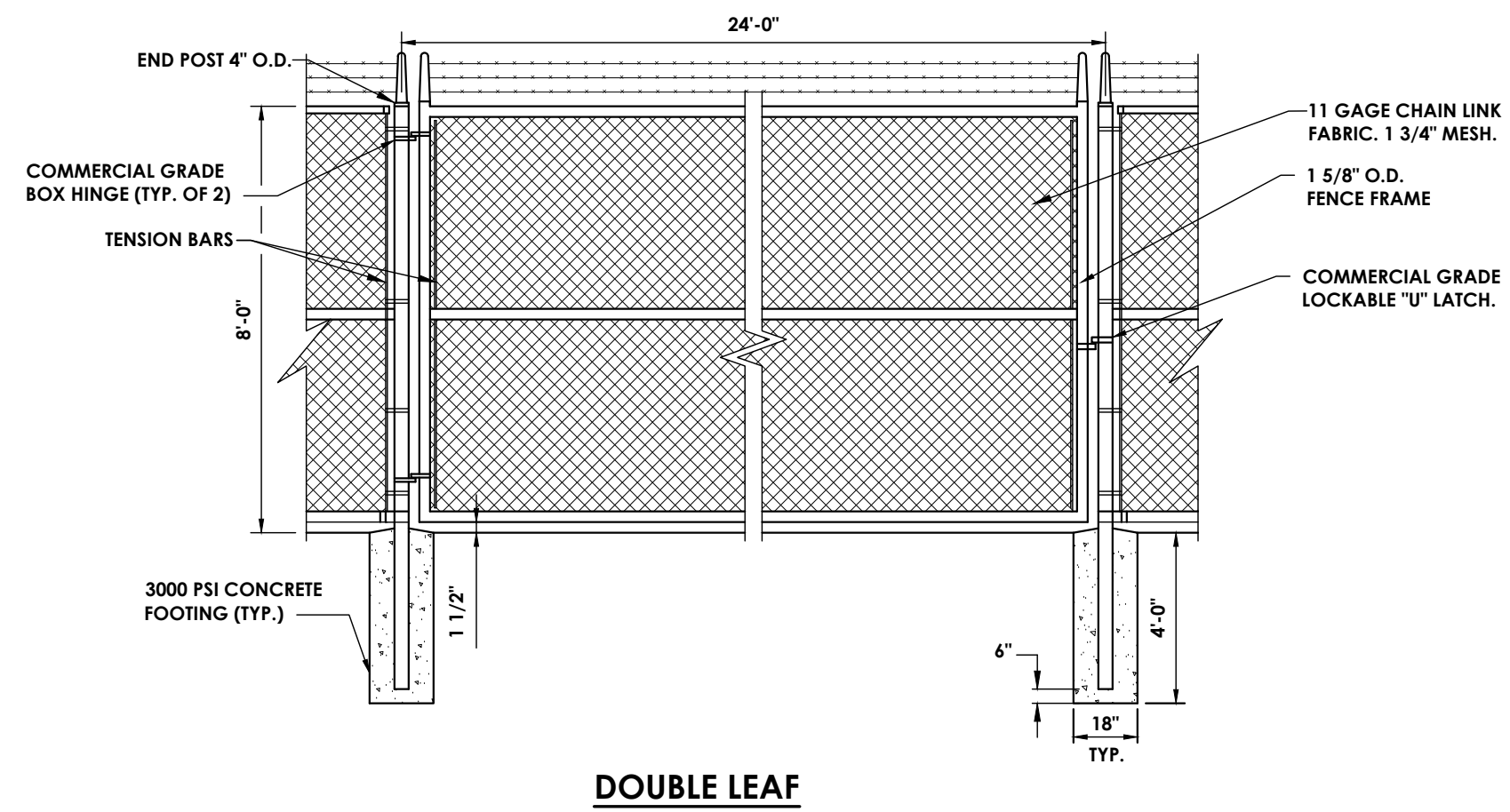
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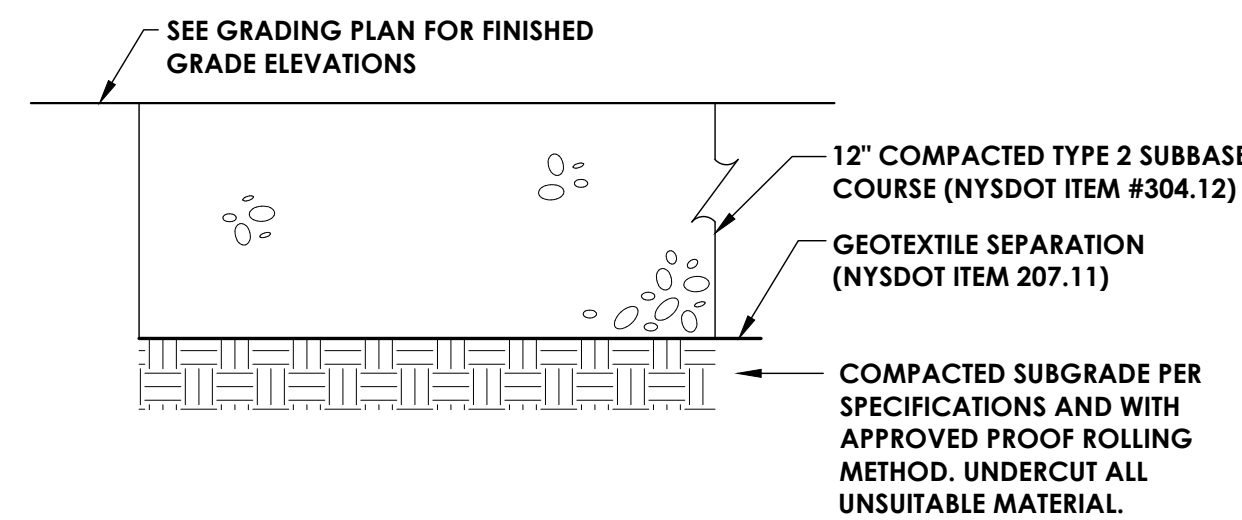
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SHEET INFORMATION
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 Drawn By: A.J.C. Checked By: J.E.D.
 Drawing Title: DETAILS

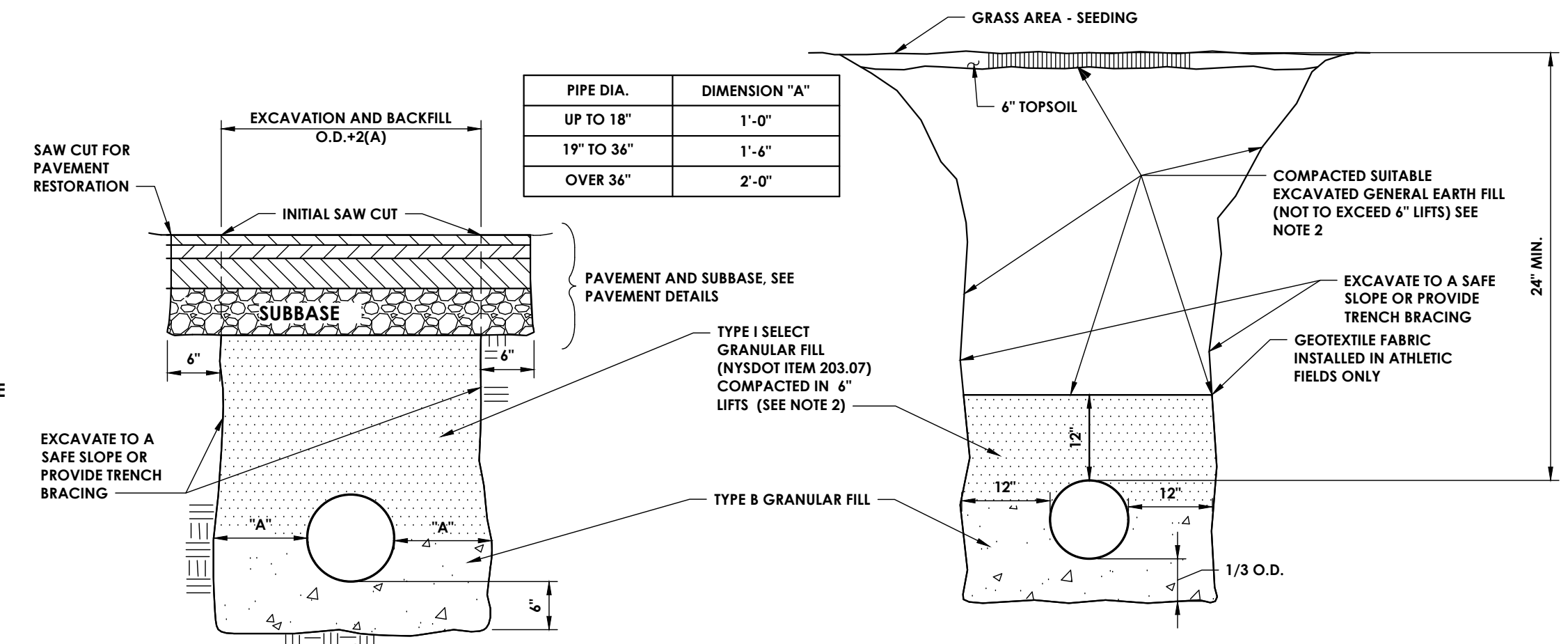
Drawing Number: C 303 Revision Number: 0



DOUBLE LEAF
8' CHAIN LINK FENCE (ACCESS GATE)
 N.T.S.



GRAVEL PAVEMENT SECTION
 N.T.S.



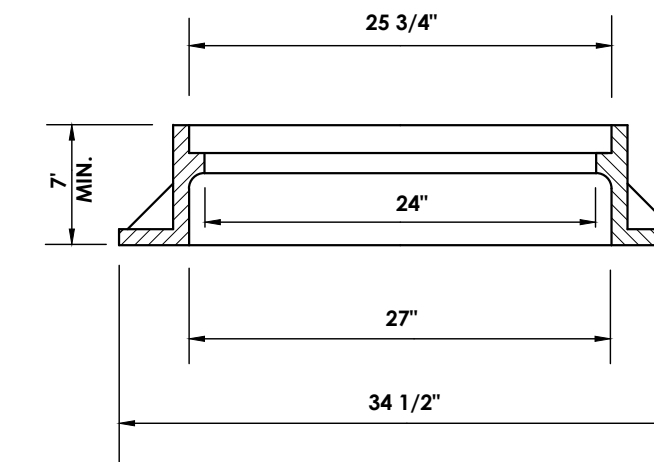
IN PAVEMENT AREAS

IN TREE / LAWN AREA

NOTES:

ALL BURIED TOPSOIL SHALL BE REMOVED FROM WITHIN 2'-0" OF THE PROPOSED BOTTOM OF TRENCH AND REPLACED WITH STONE BACKFILL TYPE B.

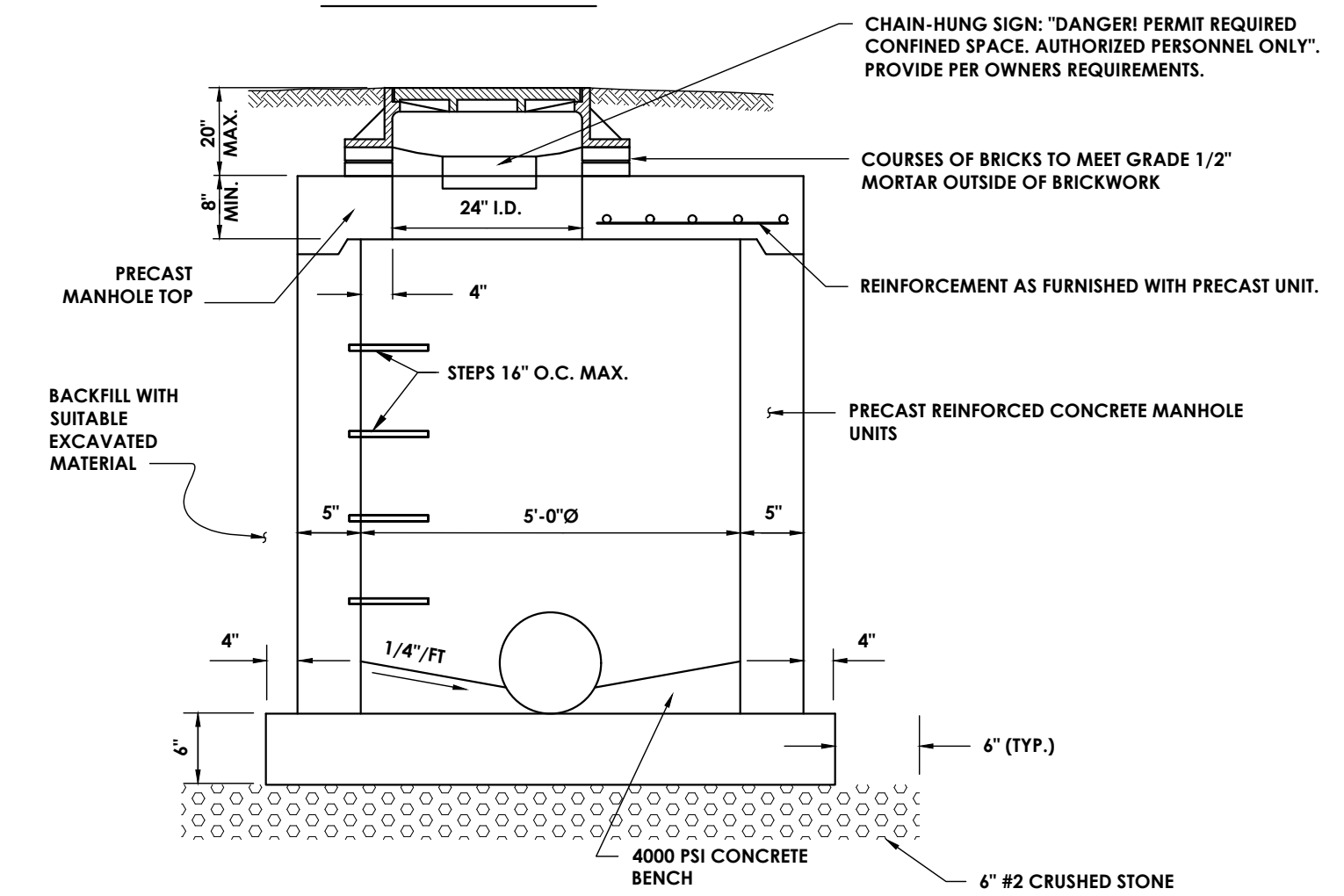
STORM SEWER TRENCH DETAILS
 N.T.S.



MANHOLE FRAME

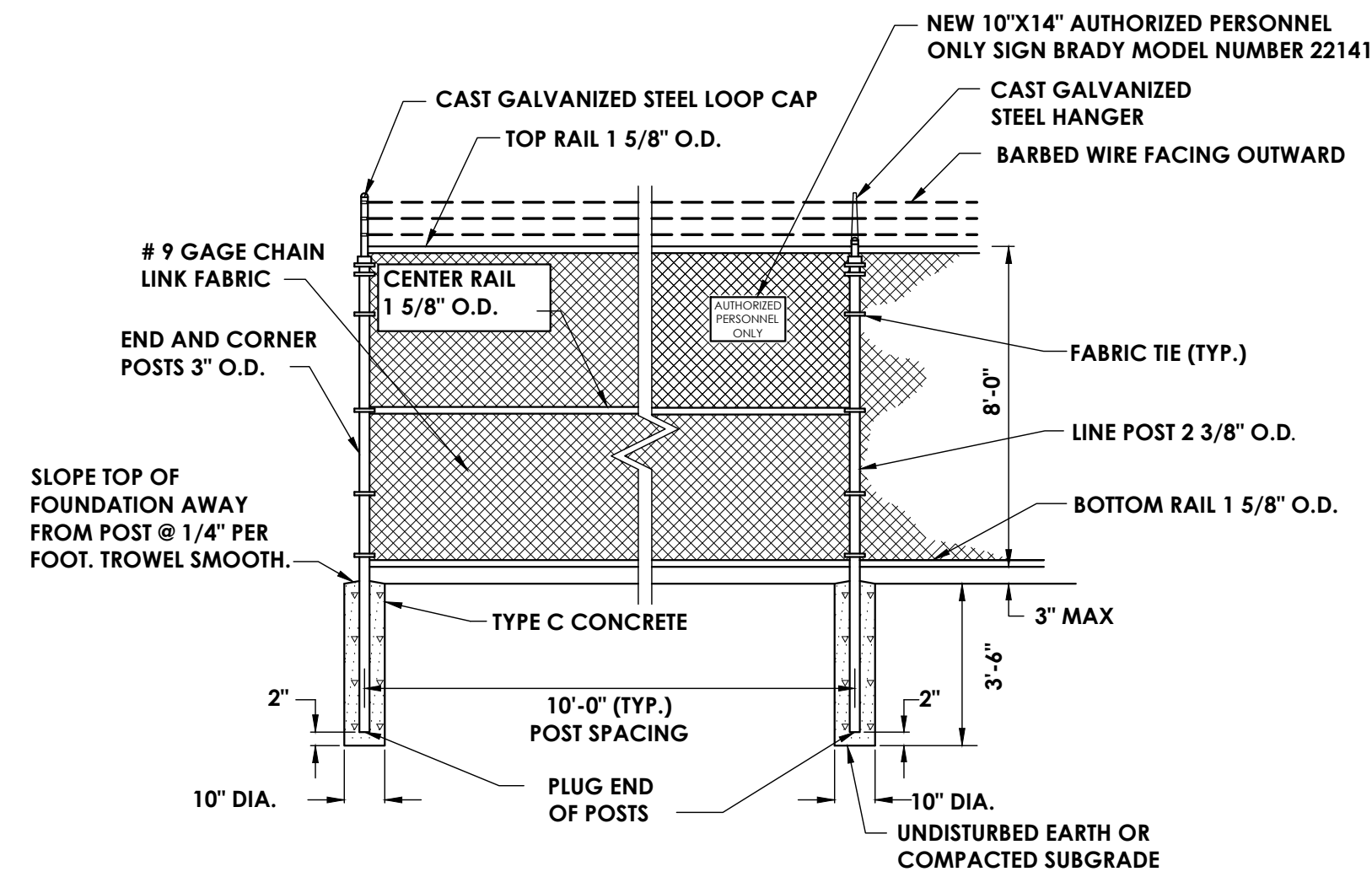
NOTES:

1. MANHOLE STEPS ARE REQUIRED FOR ANY STRUCTURE DEEPER THAN 4 FT.
2. MANHOLE TOP SLABS, FRAMES AND COVERS SHALL BE DESIGNED FOR USE UNDER ANY H - 20 LOADING.
3. MANHOLE FRAME AND GRATE/COVER TO BE: NEENAH MODEL R-2556 OR APPROVED EQUAL.

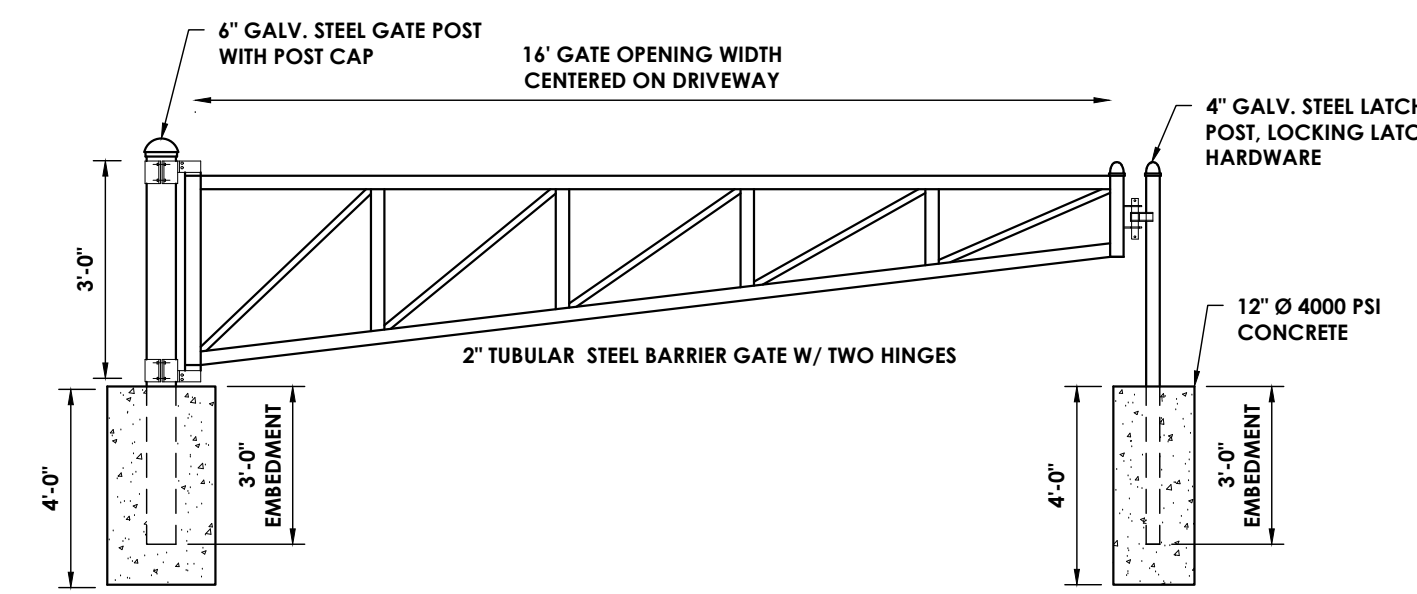


MANHOLE SECTION

STORM SEWER MANHOLE
 N.T.S.



CHAIN LINK FENCE W/ BARBED WIRE
 N.T.S.



BARRIER GATE
 N.T.S.

Plotted By: Brandon Moore

Date last plotted: 5/29/2024 3:21 PM

Date last accessed: 5/29/2024 3:00 PM

Sheet Size: 22x34
 Drawing Name: J:\PROJECTS\CCBDC\STAMP Edwards Fire Tank\CD Design\ACAD\Civil\Details_DETAILS.dwg



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 255 Woodcliff Drive, Suite 200
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 NY ENGINEERING FIRM CERTIFICATE #018330

PROJECT INFORMATION

Project Number
 R24.15997.00
 Client Name

**GENESEE COUNTY ECONOMIC
 DEVELOPMENT CENTER**
 Project Name
EDWARDS FIRE TANK

Project Address
 99 MEDTECH DRIVE, SUITE 106
 BATAVIA, NY 14020

PROJECT ISSUE & REVISION SCHEDULE

No. Date Description

PROFESSIONAL STAMPS

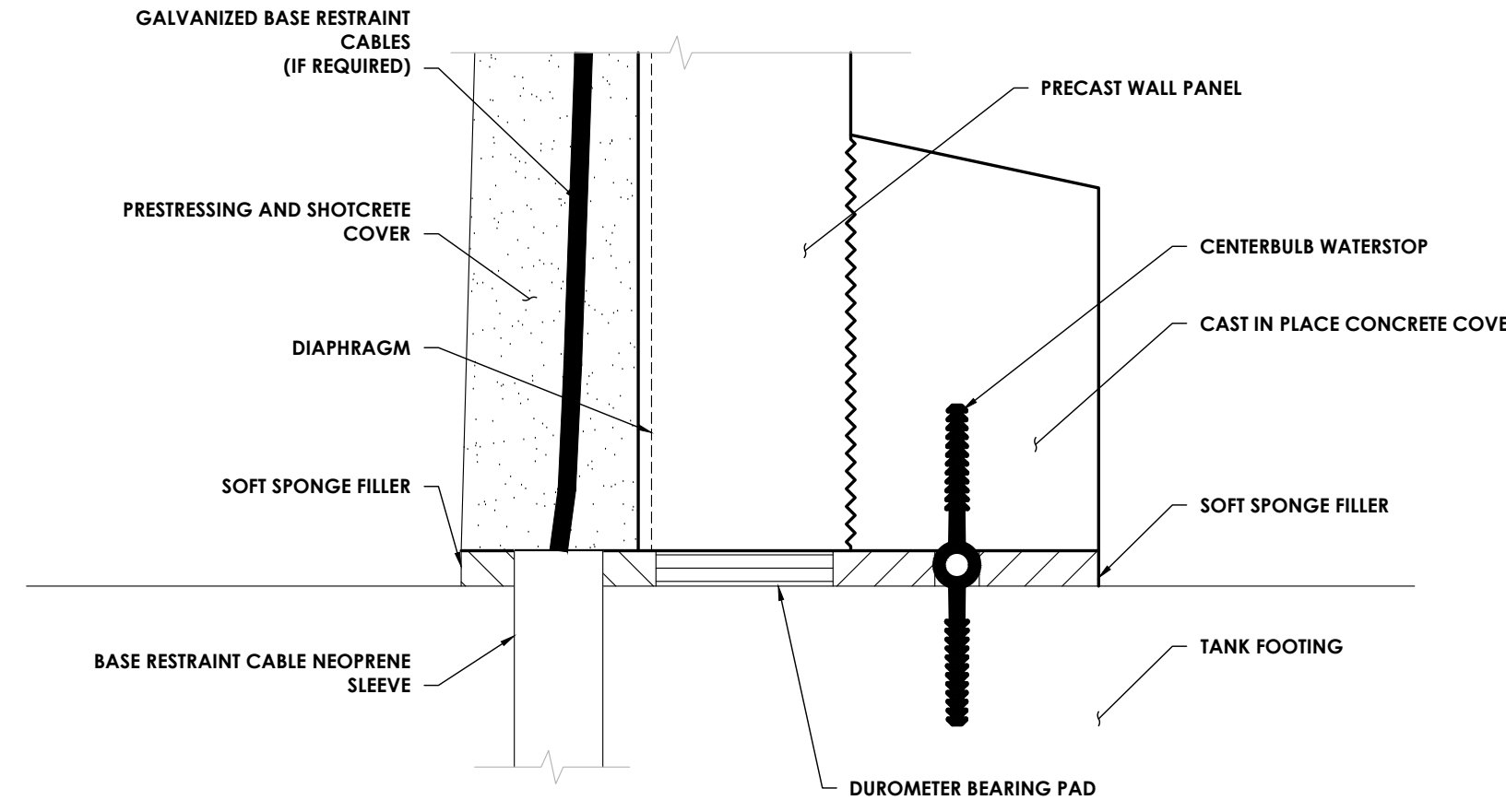
NEW YORK STATE EDUCATION STATEMENT
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 REGULATIONS OR ANY PERSON HAS BEEN IDENTIFIED UNDER THE PROVISIONS OF A LICENSED
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 BEARING THE SEAL OF AN ARCHITECT, ENGINEER OR SURVEYOR IS ALTERED, THE ALTERING
 PARTY SHALL AFFIX TO THE SEAL THE SEAL AND THE INDICATION "ALTERED" FOLLOWED BY THE
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SHEET INFORMATION

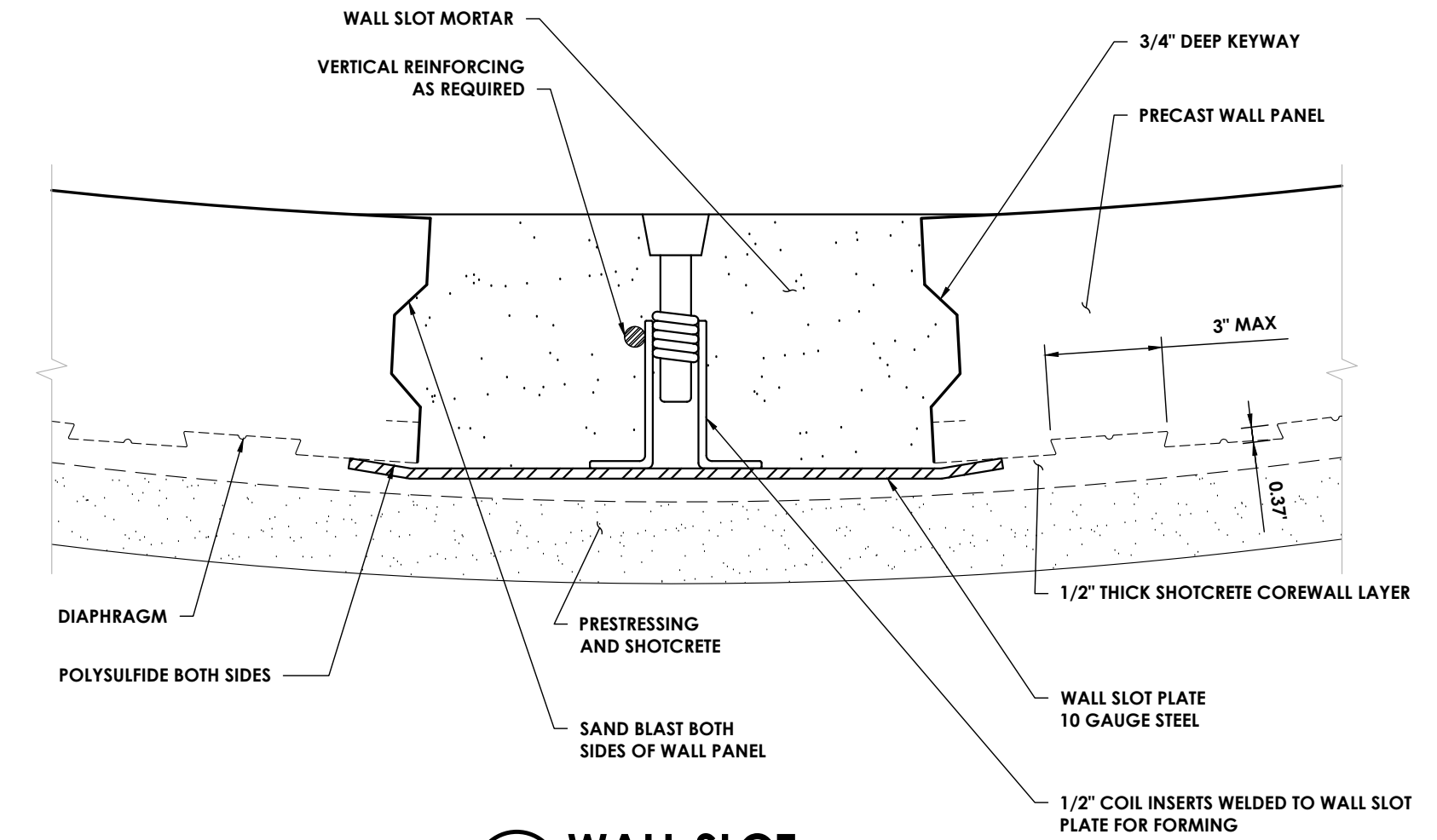
Issued: 04/26/2024 Scale: AS NOTED
 Project Status: DESIGN DEVELOPMENT
 Drawn By: AJC Checked By: JED
 Drawing Title: TANK DETAILS

Drawing Number: C 303 Revision Number: 0

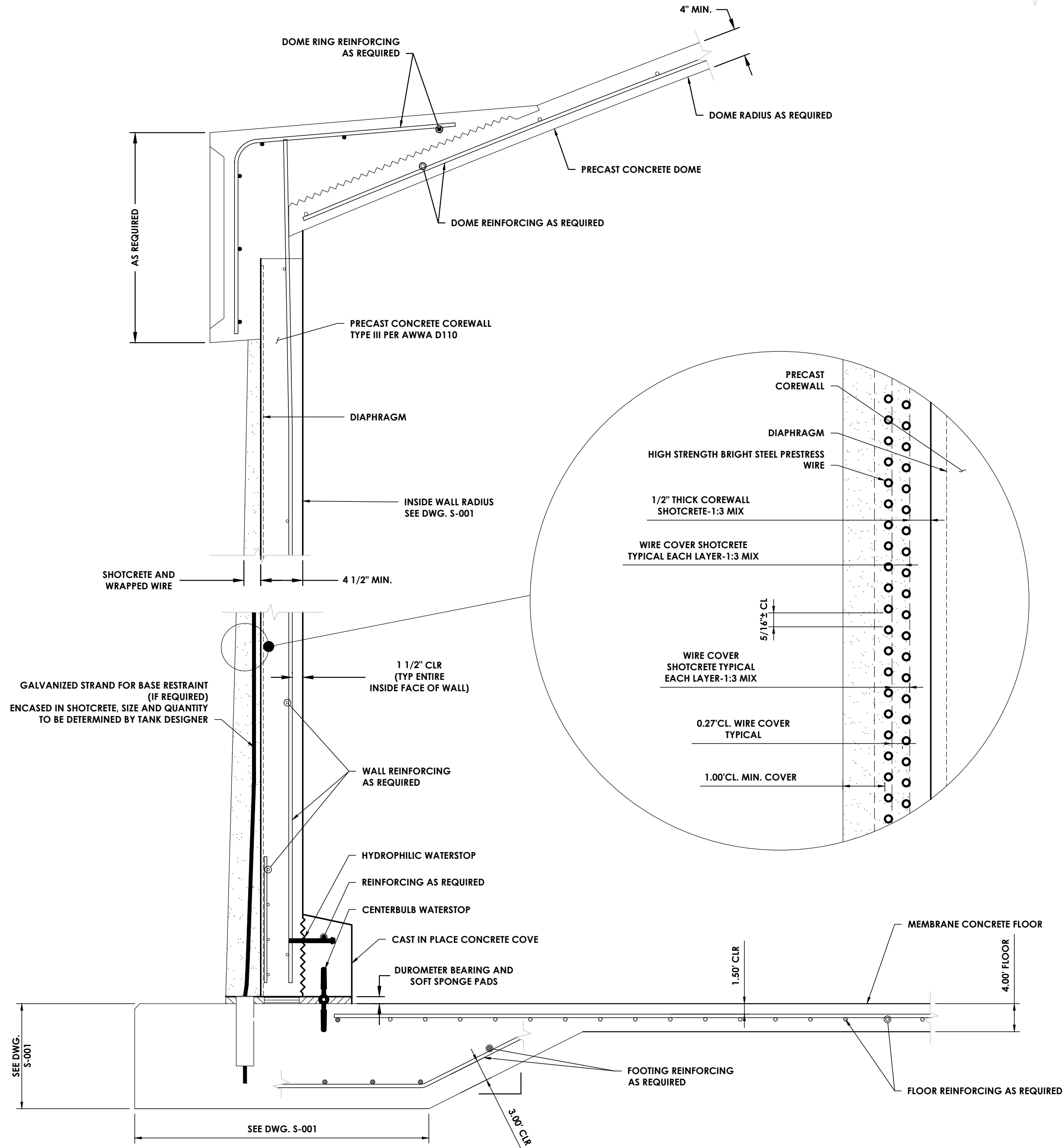
- NOTES:
 1) FOOTING AND FLOOR TO BE FINISHED PER SPECIFICATIONS.
 2) MAINTAIN CLEARANCE BETWEEN THE INDIVIDUAL STRANDS IN THE BASE RESTRAINT CABLE SETS (DO NOT BUNDLE). CABLES MAY TOUCH WITHIN 2' OF THE BOOT.
 3) THE COMBINED FLOOR AND WALL FOOTING SHALL BE POURED MONOLITHICALLY UNLESS APPROVED BY THE ENGINEER.
 4) BASE RESTRAINT CABLES MAY BE BENT PRIOR TO INSTALLATION.
 5) BASE RESTRAINT CABLE DESIGN REQUIREMENTS TO BE DETERMINED BY TANK CONTRACTOR.



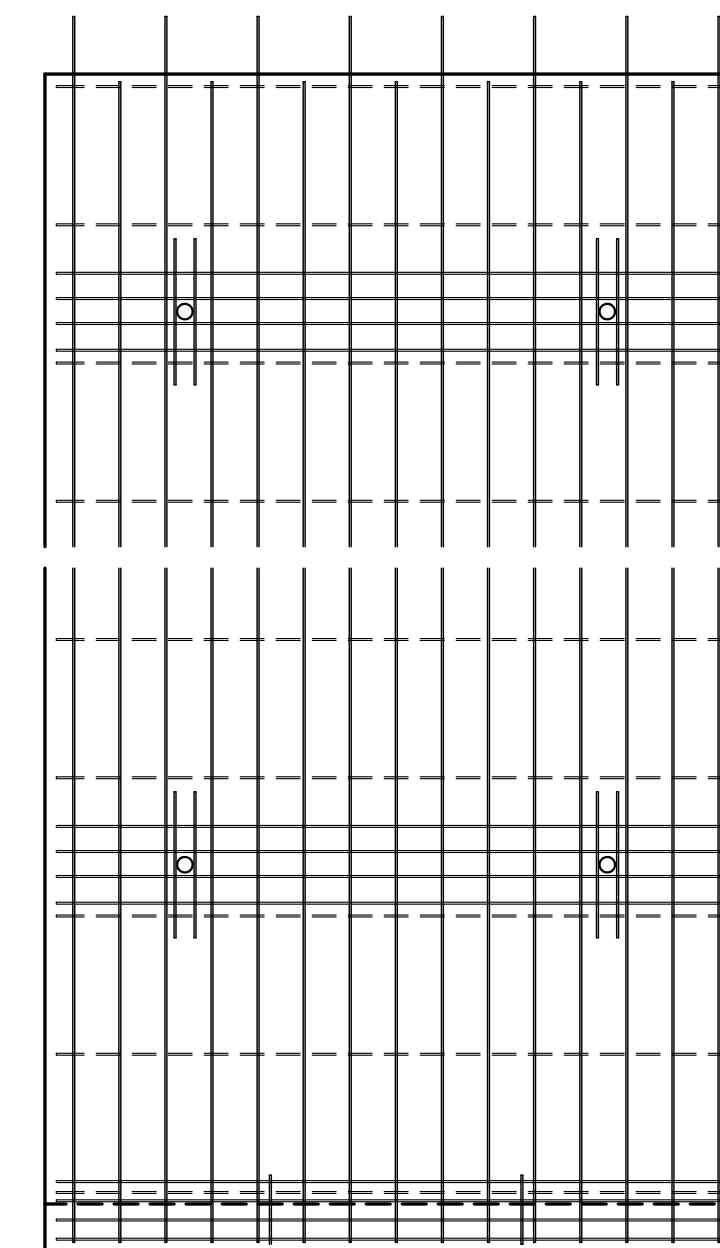
WALL BASE
 NTS



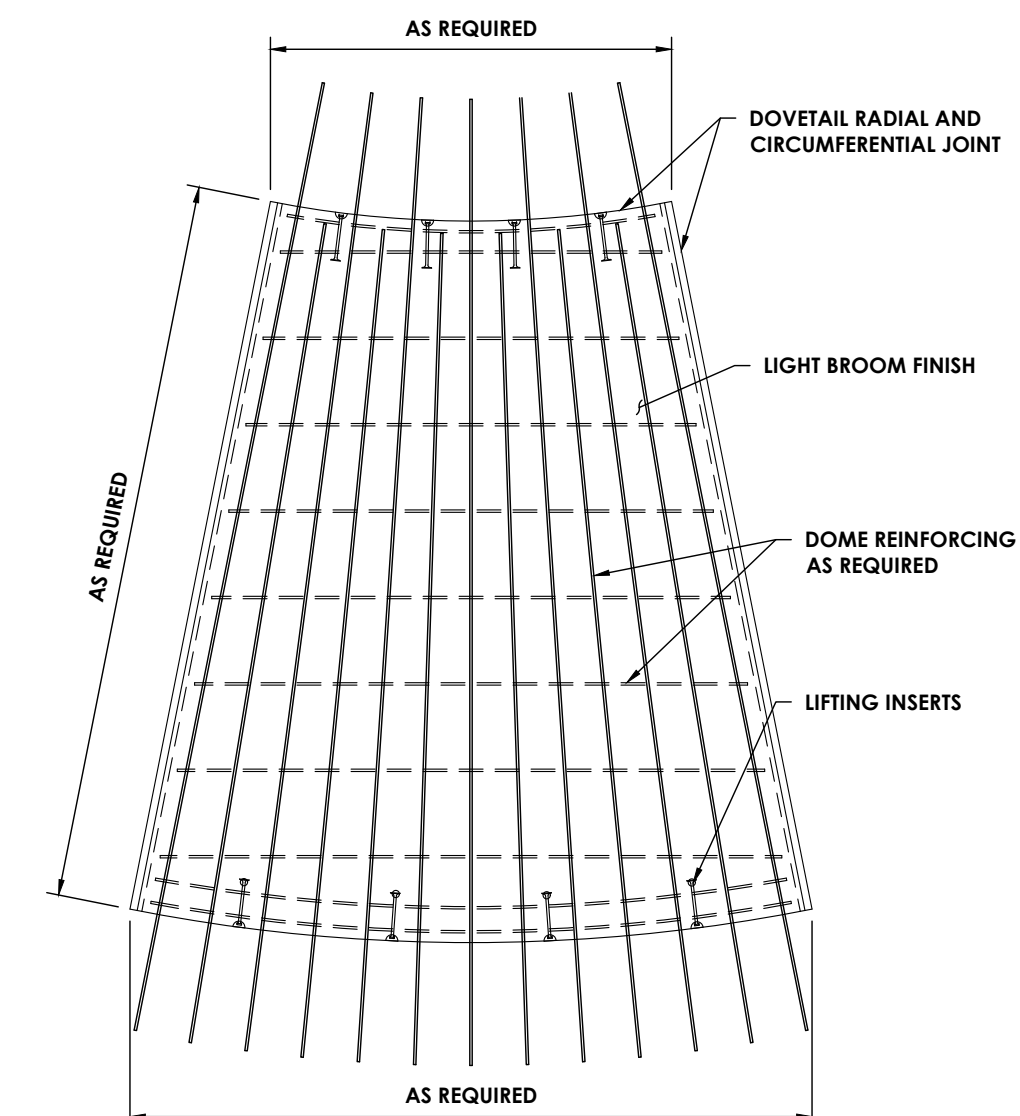
WALL SLOT
 NTS



FOOTING, WALL AND ROOF SECTION
 NTS



PRECAST WALL PANEL
 NTS



PRECAST DOME PANEL
 NTS

Plotted By: Brandon Moore

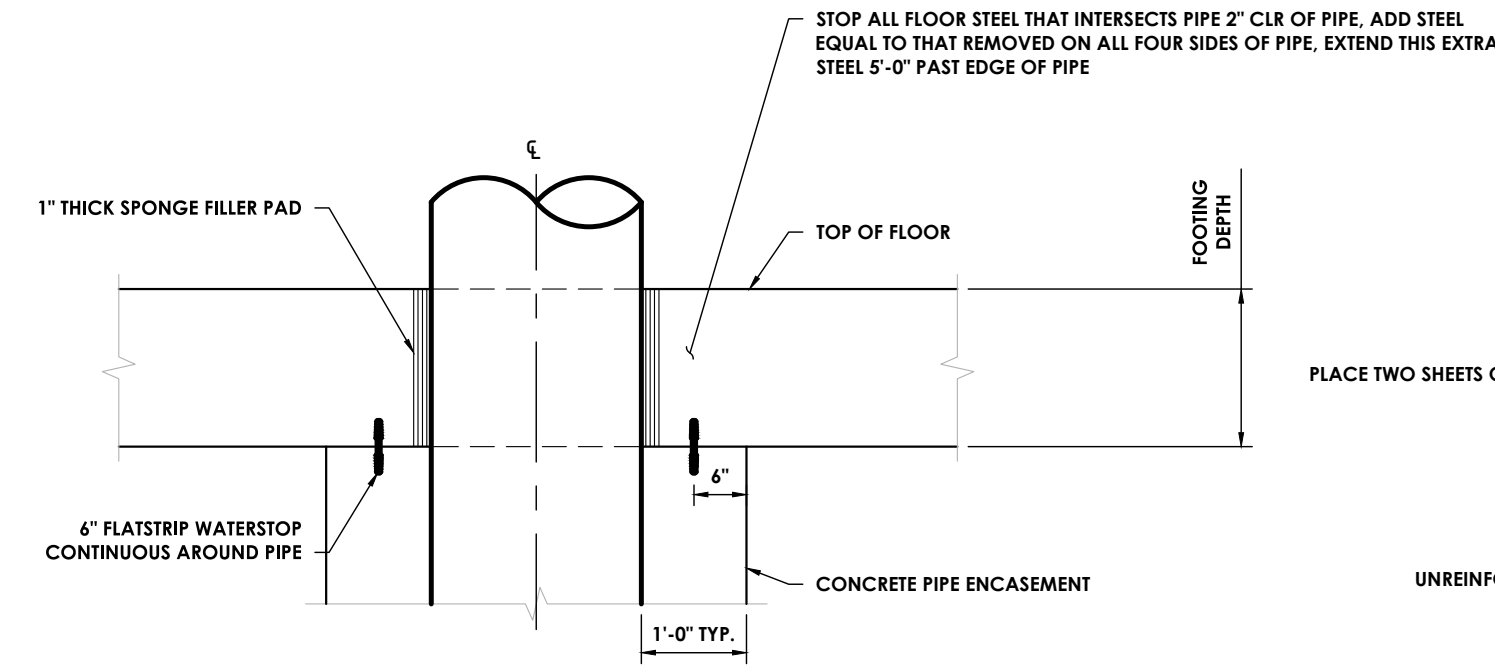
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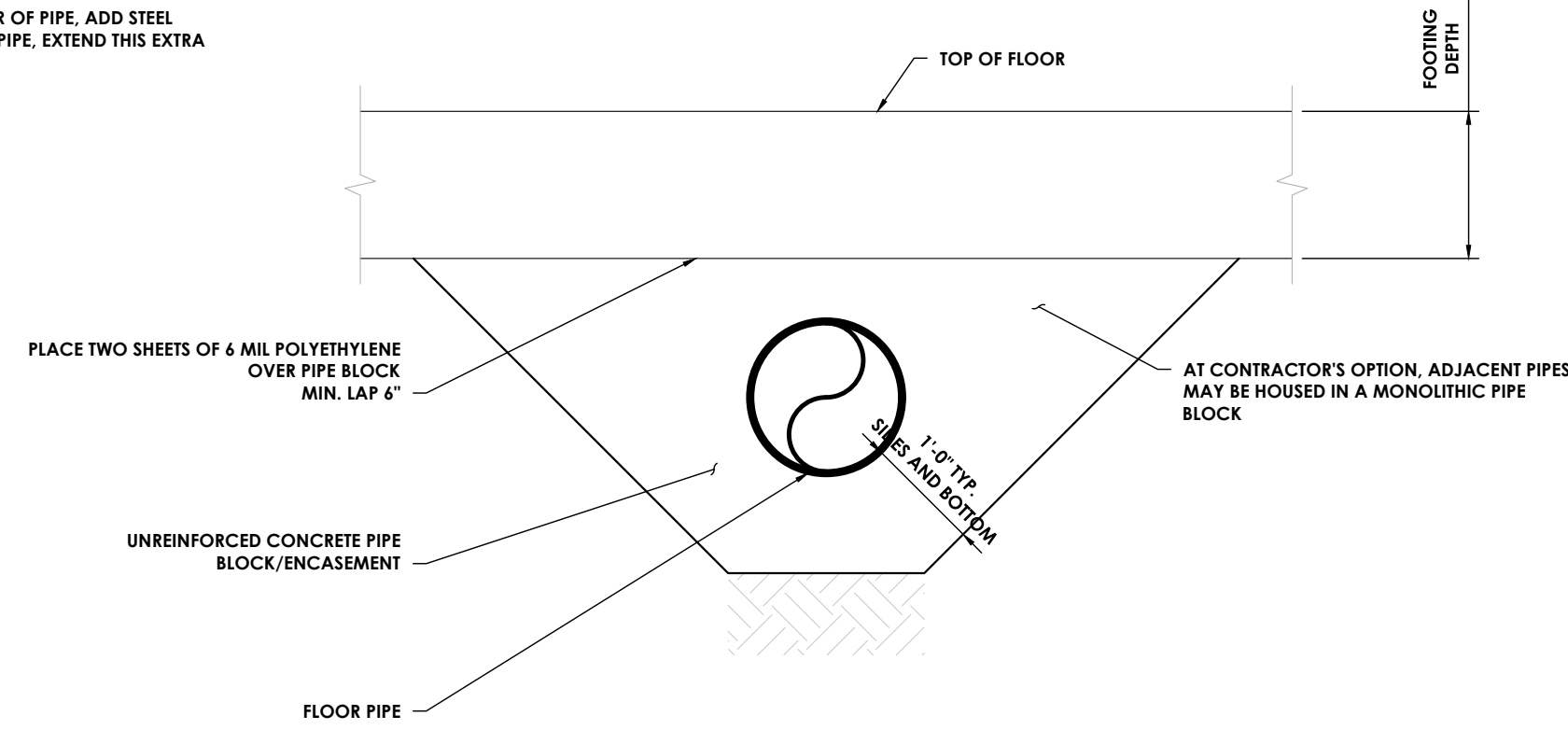
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PIPING NOTES:

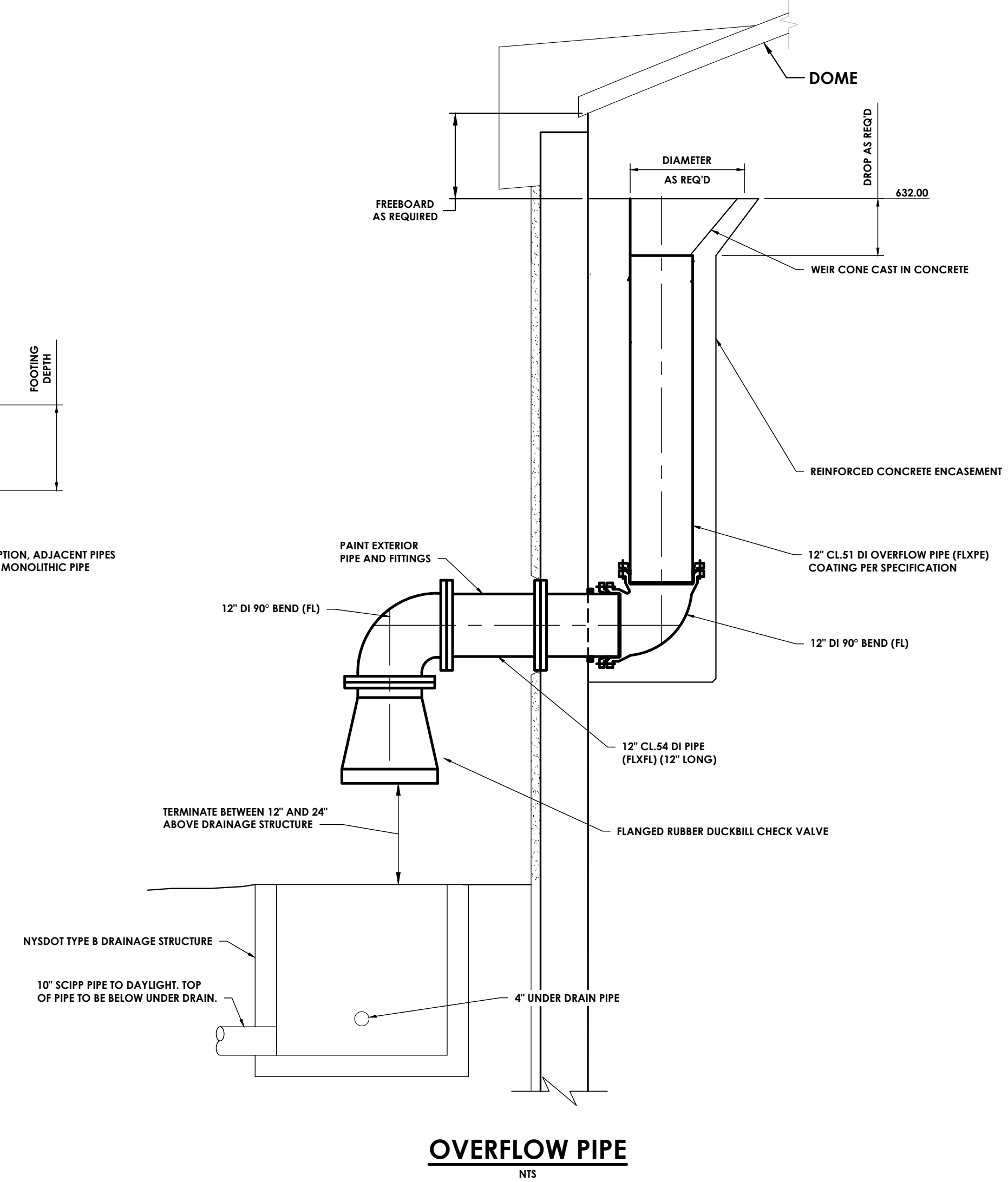
1. ALL PIPE MATERIAL TO BE CL54 DI UNLESS NOTED OTHERWISE.
2. EPOXY COAT EXTERIOR OF PIPING INSIDE TANK. NO COATING ON PIPE IN CONTACT WITH CONCRETE.
3. EXTERIOR PIPING CONNECTION TO BE DESIGNED TO TOLERATE EXPECTED TANK SETTLEMENT.



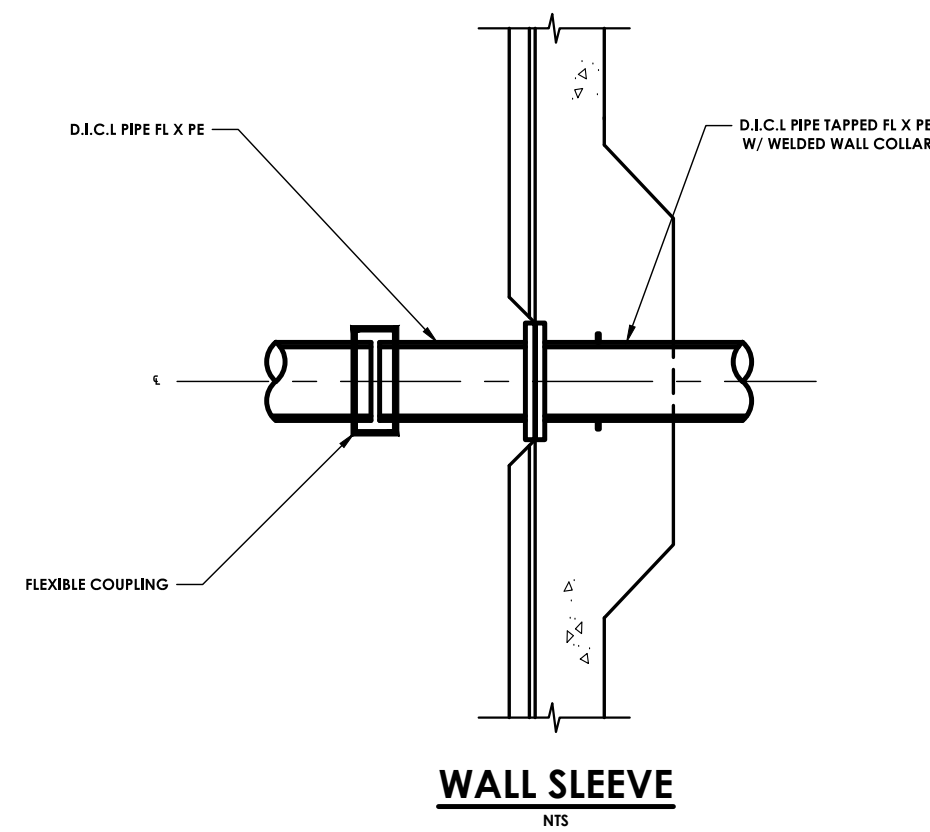
TYPICAL FLOOR PIPE ENTRANCE
NTS



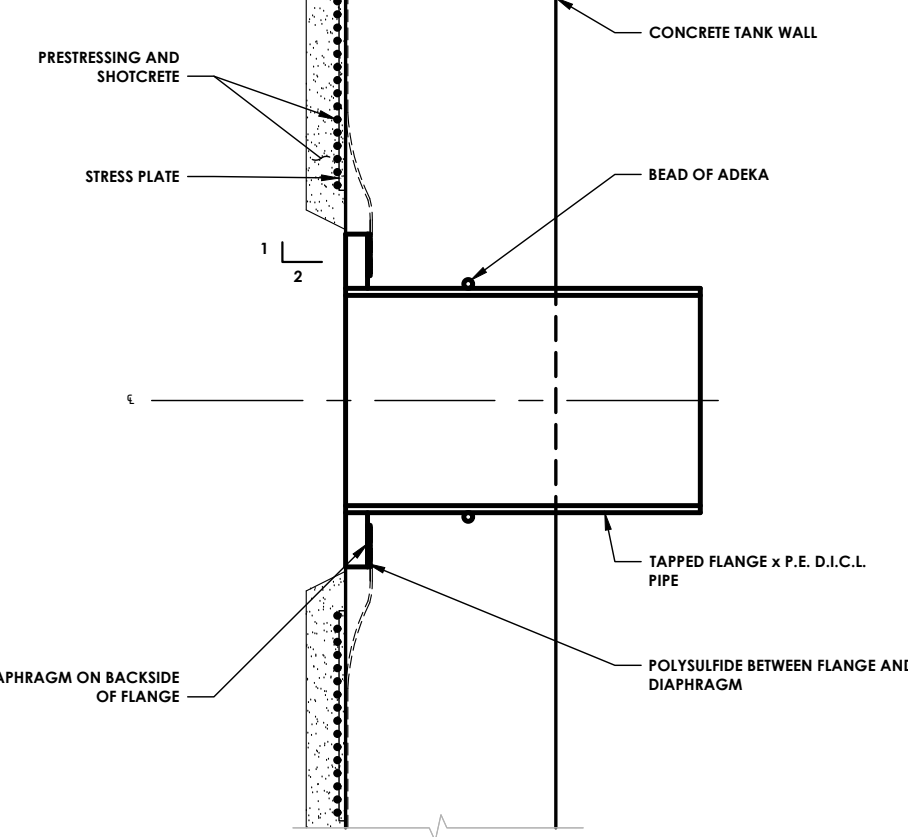
PIPE SECTION



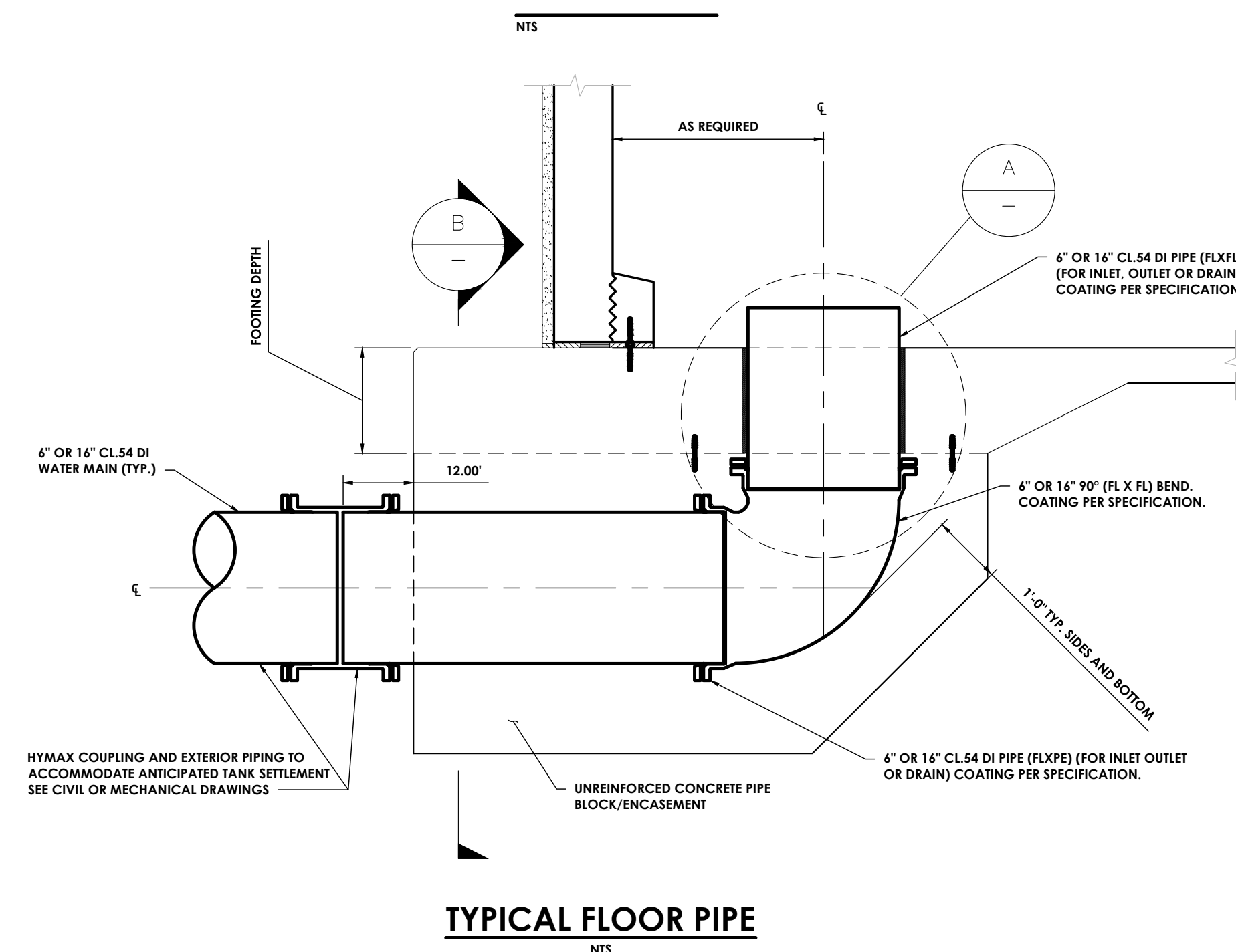
OVERFLOW PIPE
NTS



WALL SLEEVE
NTS



TYPICAL WALL PIPE ENTRANCE
NTS



TYPICAL FLOOR PIPE
NTS



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PROJECT INFORMATION

Project Number
R24.15997.00
Client Name

**GENESSEE COUNTY ECONOMIC
DEVELOPMENT CENTER**
Project Name
EDWARDS FIRE TANK

Project Address
99 MEDTECH DRIVE, SUITE 106 BATAVIA, NY
14020

PROJECT ISSUE & REVISION SCHEDULE

No. Date Description

PROFESSIONAL STAMPS

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REQUIREMENTS AND THE DATES OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE
ALTERATION.

SHEET INFORMATION

Issued: 04/26/2024 Scale: AS NOTED
Project Status: DESIGN DEVELOPMENT
Drawn By: A.J.C. Checked By: J.E.D.
Drawing Title: PIPE DETAILS

Drawing Number: C 305 Revision Number: 0



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 NY ENGINEERING FIRM CERTIFICATE #018330

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 Client Name

**GENESSEE COUNTY ECONOMIC
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Project Name
EDWARDS FIRE TANK

Project Address
 99 MEDTECH DRIVE, SUITE 106 BATAVIA, NY
 14020

PROJECT ISSUE & REVISION SCHEDULE

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PROFESSIONAL STAMPS

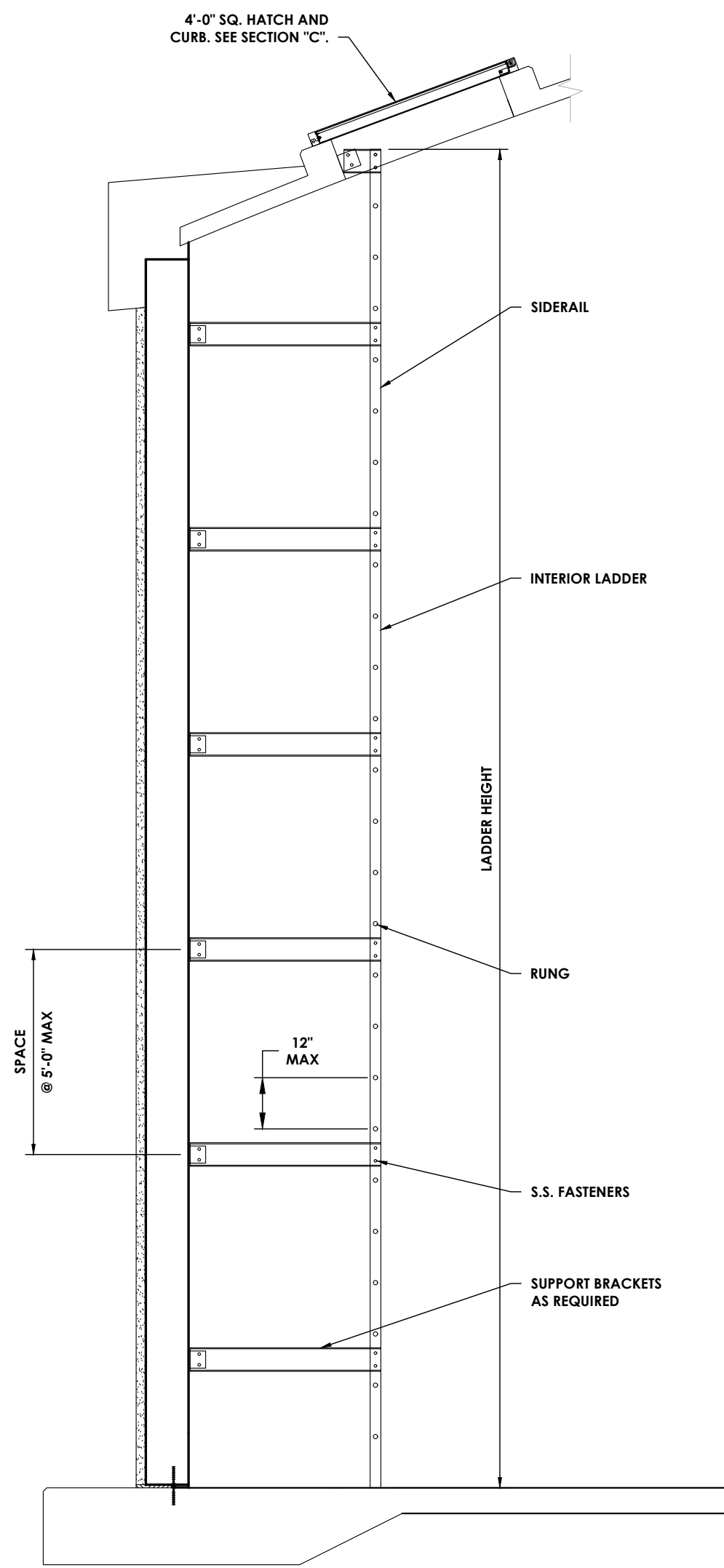
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SHEET INFORMATION

Issued: 04/26/2024 Scale: AS NOTED
 Project Status: DESIGN DEVELOPMENT
 Drawn By: A.J.C. Checked By: J.E.D.
 Drawing Title: DETAILS

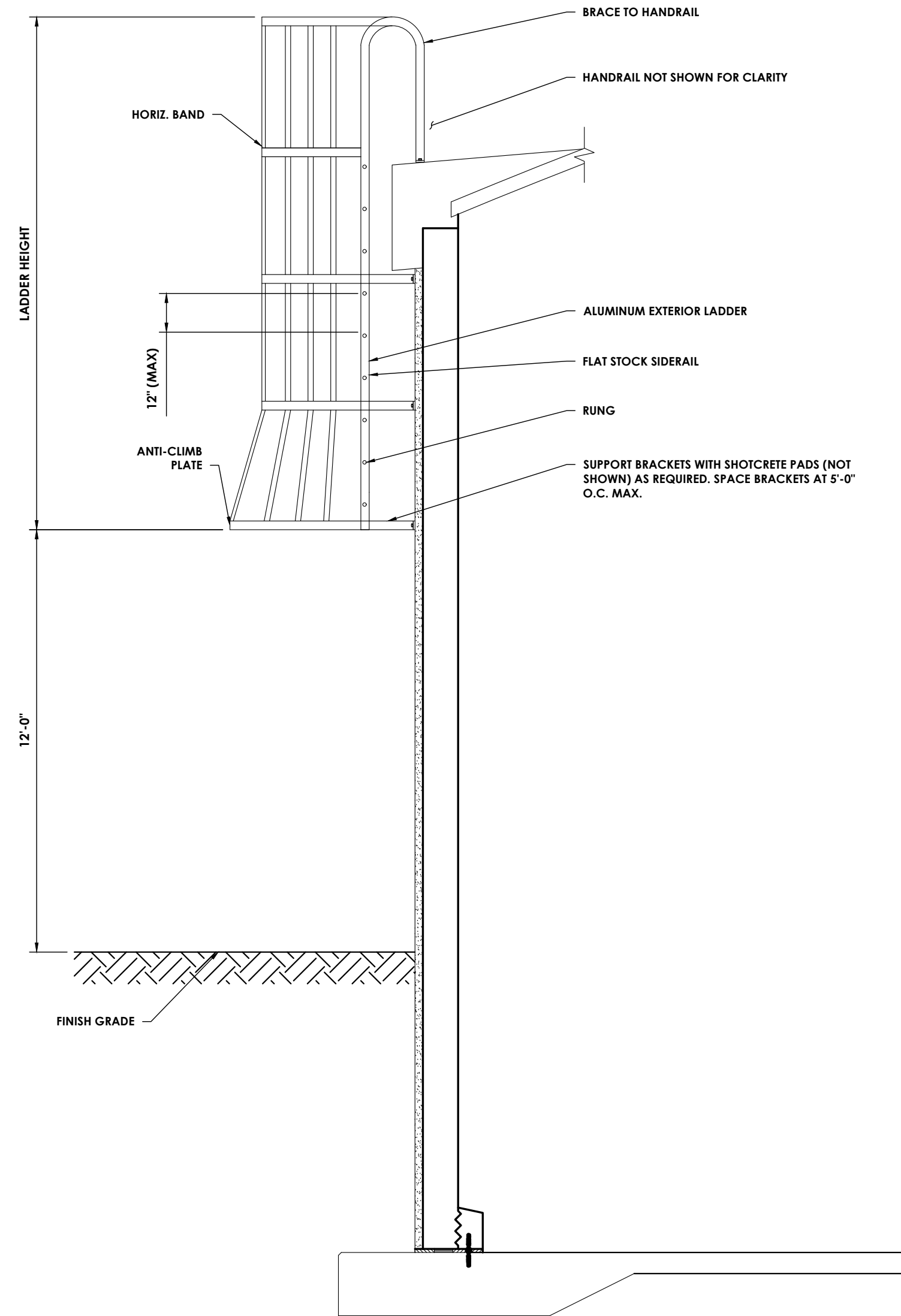
Drawing Number: C 306 Revision Number: 0



INTERIOR LADDER NOTES:

- 1) LADDER MATERIAL SHALL BE FRP.
- 2) OSHA COMPLIANT FALL PREVENTION DEVICE SHALL BE INSTALLED (SST).
- 3) LADDER RUNGS TO BE SOLID BARS AND FLUTED.
- 4) USE SST WEDGE ANCHORS FOR ALL CONNECTIONS TO CONCRETE UNLESS NOTED OTHERWISE.

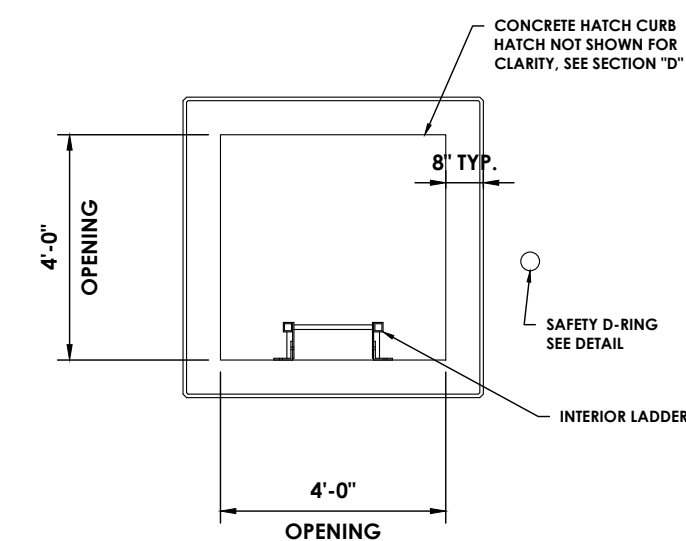
INTERIOR LADDER
 NTS



EXTERIOR LADDER NOTES:

- 1) ALL MATERIAL FOR EXTERIOR LADDER, SIDERAILS, RUNGS AND BRACKETS TO BE 6061-T6 ALUMINUM.
- 2) OSHA COMPLIANT FALL PREVENTION DEVICE SHALL BE INSTALLED (SST).
- 3) LADDER RUNGS TO BE SOLID BARS AND KNURLED.
- 4) ALL WELDS TO BE 3/16" MINIMUM.
- 5) ALL ALUMINUM IN CONTACT WITH CONCRETE MUST BE COATED WITH A HEAVY BITUMASTIC COATING, EPOXY PAINT OR SHIMMED USING PVC.
- 6) USE SST WEDGE ANCHORS FOR ALL CONNECTIONS TO CONCRETE UNLESS NOTED OTHERWISE.
- 7) WHERE SST BOLTS ARE IN CONTACT WITH DISSIMILAR METALS, USE INSULATING SLEEVES AND PHENOLIC WASHERS TO ELECTRICALLY ISOLATE THE BOLTS.
- 8) WHERE SST BOLTS ARE PLACED IN THE WALL EXTERIOR, DRILL AND PLACE AFTER WRAPPING AND BEFORE FINAL SHOTCRETING.

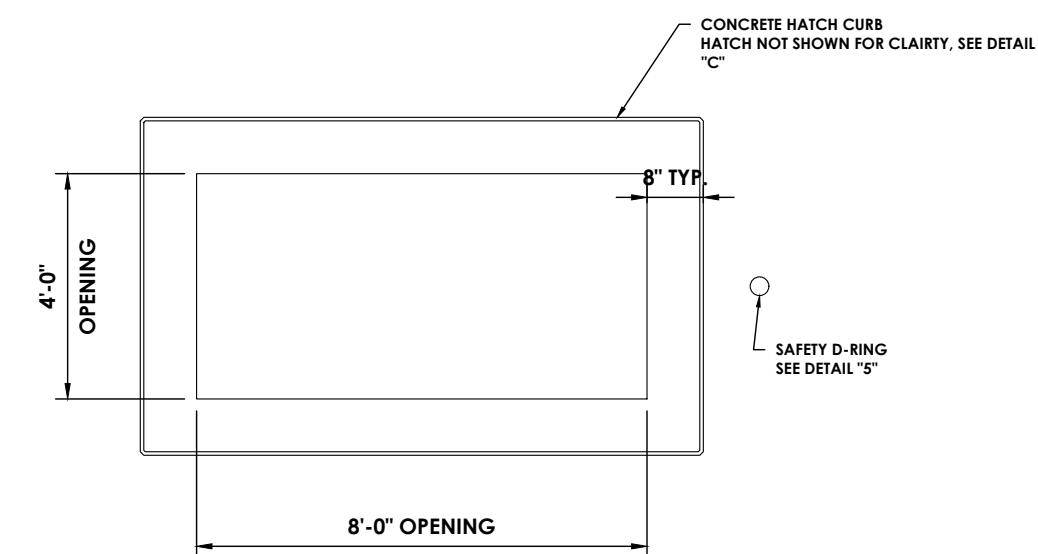
EXTERIOR LADDER
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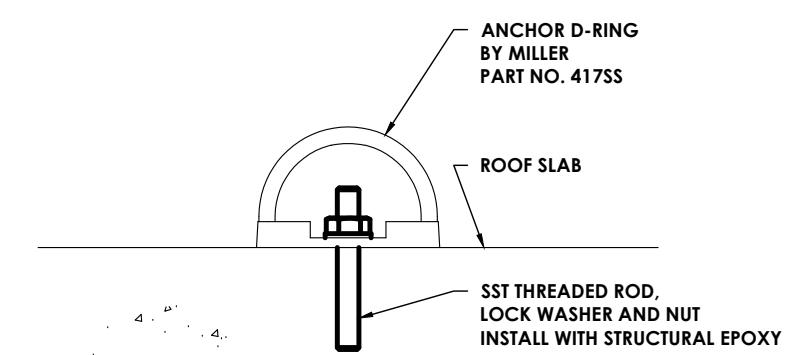
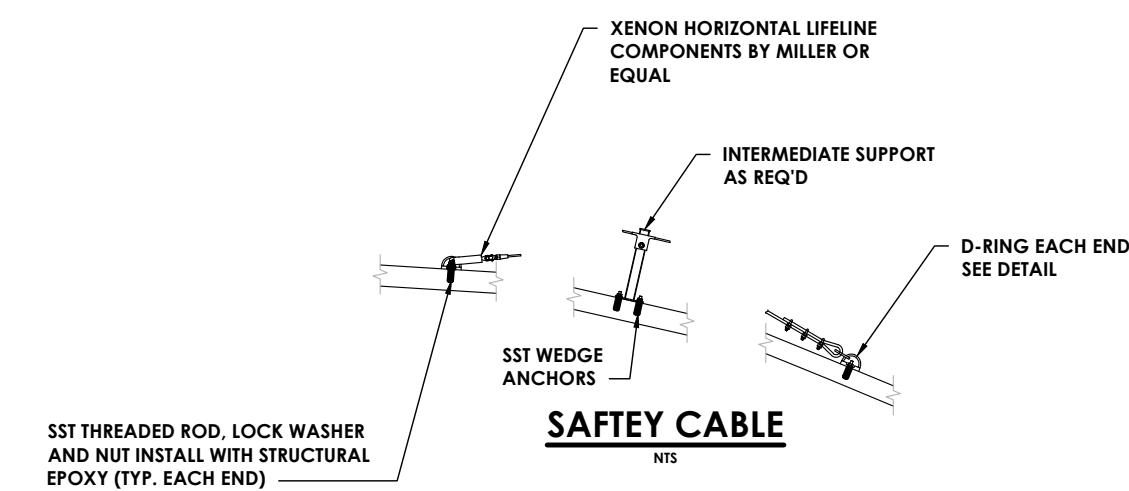
4'-0" SQ. ACCESS HATCH
 NTS

ROOF HATCHES NOTES:

- 1) HATCHES TO BE SINGLE LEAF USE FRP ALUMINUM HATCHES OR EQUAL.
- 2) ALL ALUMINUM IN CONTACT WITH CONCRETE MUST BE COATED WITH A HEAVY BITUMASTIC COATING, EPOXY PAINT OR SHIMMED USING PVC.
- 3) USE SST WEDGE ANCHORS FOR ALL CONNECTIONS TO CONCRETE UNLESS NOTED OTHERWISE.
- 4) WHERE SST BOLTS ARE IN CONTACT WITH DISSIMILAR METALS, USE INSULATING SLEEVES AND PHENOLIC WASHERS TO ELECTRICALLY ISOLATE THE BOLTS.



4'-0" x 8'-0" EQUIPMENT HATCH
 NTS



SAFETY D-RING
 NTS

Plotted By: Brandon Moore

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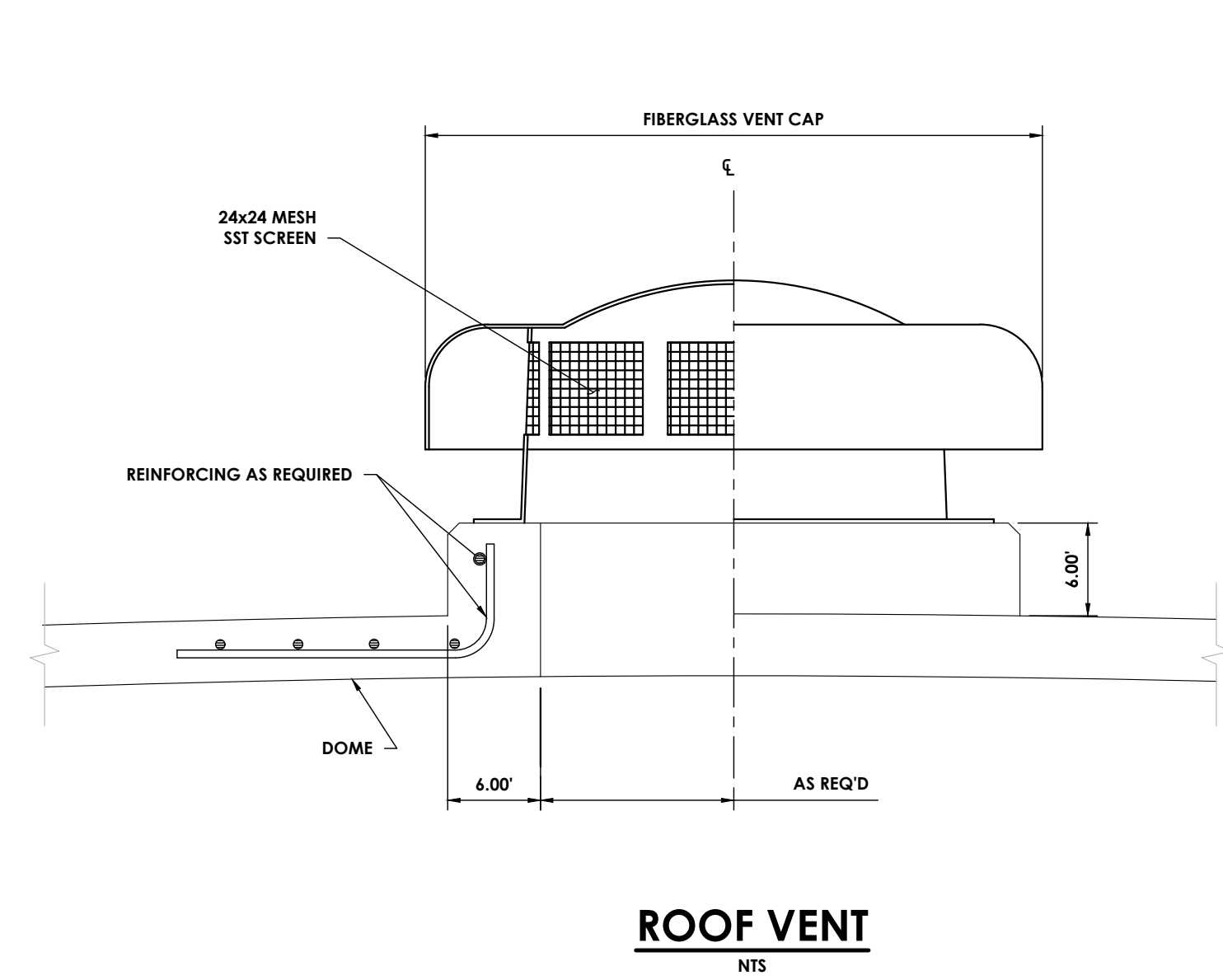
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 NY ENGINEERING FIRM CERTIFICATE #018330

Plotted By: Brandon Moore

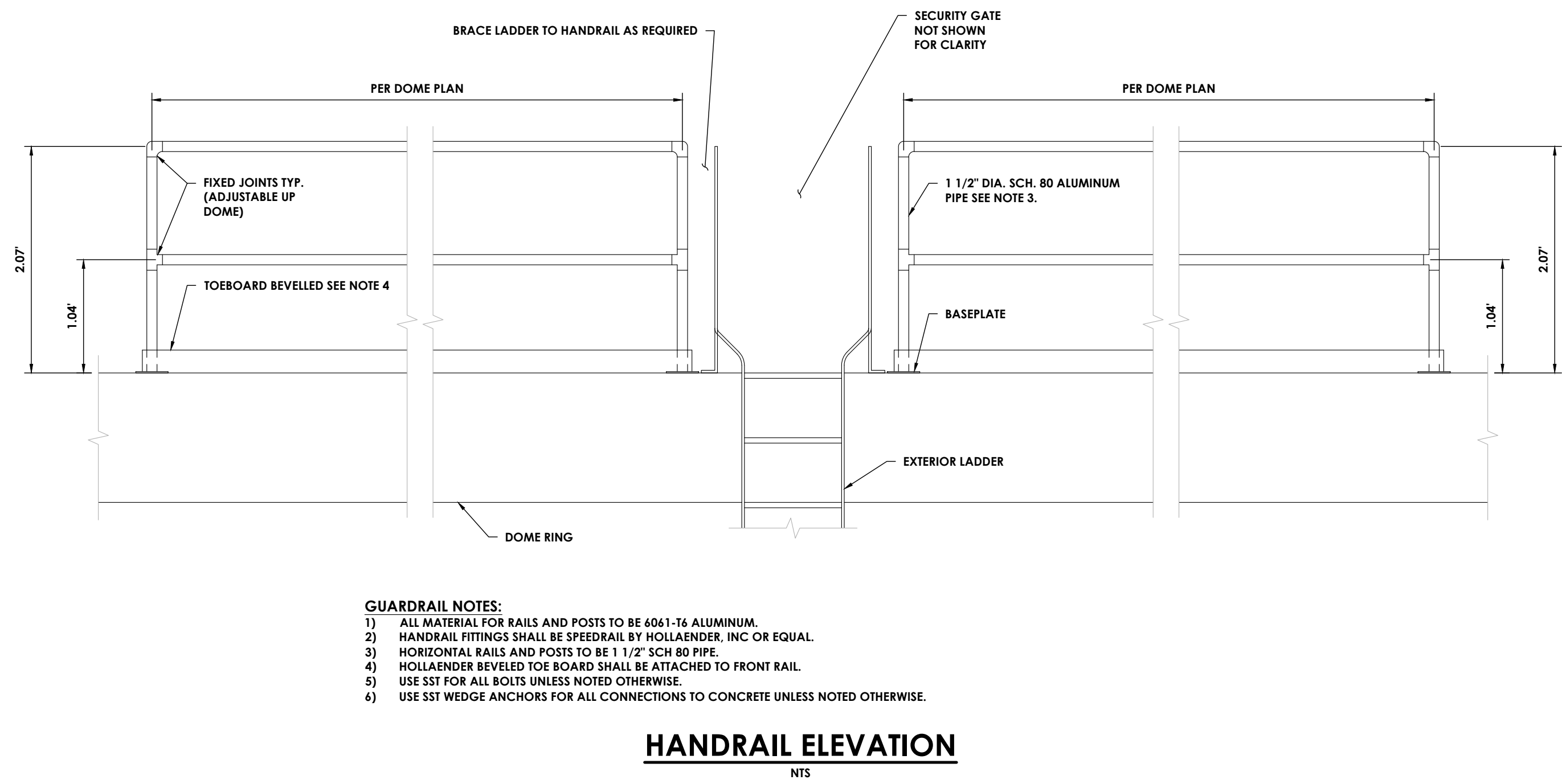
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- ROOF VENT NOTES:**
- 1) VENT TO BE FIBERGLASS REINFORCED POLYMER.
 - 2) SIZE PER PROJECT VENTING RATES. SEE SPECIFICATIONS.
 - 3) USE SST WEDGE ANCHORS FOR ALL CONNECTIONS TO CONCRETE UNLESS NOTED OTHERWISE.
 - 4) VENT SHALL HAVE AN AUTOMATICALLY RESETTING PRESSURE-VACUUM RELIEF MECHANISM.



- GUARDRAIL NOTES:**
- 1) ALL MATERIAL FOR RAILS AND POSTS TO BE 6061-T6 ALUMINUM.
 - 2) HANDRAIL FITTINGS SHALL BE SPEEDRAIL BY HOLLANDER, INC OR EQUAL.
 - 3) HORIZONTAL RAILS AND POSTS TO BE 1 1/2" SCH 80 PIPE.
 - 4) HOLLANDER BEVELLED TOE BOARD SHALL BE ATTACHED TO FRONT RAIL.
 - 5) USE SST FOR ALL BOLTS UNLESS NOTED OTHERWISE.
 - 6) USE SST WEDGE ANCHORS FOR ALL CONNECTIONS TO CONCRETE UNLESS NOTED OTHERWISE.

PROJECT INFORMATION

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 R24.15997.00

Client Name

GENESE COUNTY ECONOMIC DEVELOPMENT CENTER

Project Name

EDWARDS FIRE TANK

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 99 MEDTECH DRIVE, SUITE 106 BATAVIA, NY 14020

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 Drawing Title: DETAILS

Drawing Number: C 307
 Revision Number: 0