

GENERAL NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING, AND VERIFYING, THAT ALL PERMITS AND APPROVALS ARE OBTAINED FROM THE RESPECTIVE CITY, COUNTY, STATE AND FEDERAL AGENCIES PRIOR TO STARTING CONSTRUCTION.
- CONTRACTOR SHALL VERIFY LOCATION AND INVERT ELEVATIONS OF EXISTING SEWERS PRIOR TO START OF CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN A COMPLETE AND OPERABLE UTILITY SYSTEM AT ALL TIMES.
- CONTRACTOR SHALL INCLUDE COSTS FOR CUTTING AND PATCHING AS REQUIRED IN THEIR BID PROPOSAL TO COMPLETELY INSTALL THE WORK INDICATED.
- CONTRACTOR SHALL INCLUDE ALL TAP FEES, PERMIT FEES AND APPLICATION FEES IN THEIR BID PROPOSAL AS NECESSARY TO COMPLETELY INSTALL THE WORK INDICATED.
- INFORMATION SHOWN WAS OBTAINED FROM AN OWNER FURNISHED SITE SURVEY OF EXISTING CONDITIONS AND IS UNCONFIRMED. CONTRACTOR IS REQUIRED TO FIELD VERIFY THIS INFORMATION AND NOTIFY ARCHITECT OF ANY DISCREPANCIES SO MODIFICATION CAN BE MADE.
- CONTRACTOR SHALL COORDINATE EXACT UTILITY LOCATIONS WITH THE OWNER AND LOCAL UTILITY COMPANIES PRIOR TO COMMENCING ANY WORK. UTILIZE THE INDIANA UNDERGROUND UTILITY LOCATION SERVICE AT 811 OR 800-382-5544 PRIOR TO ANY EXCAVATION ON THE SITE.

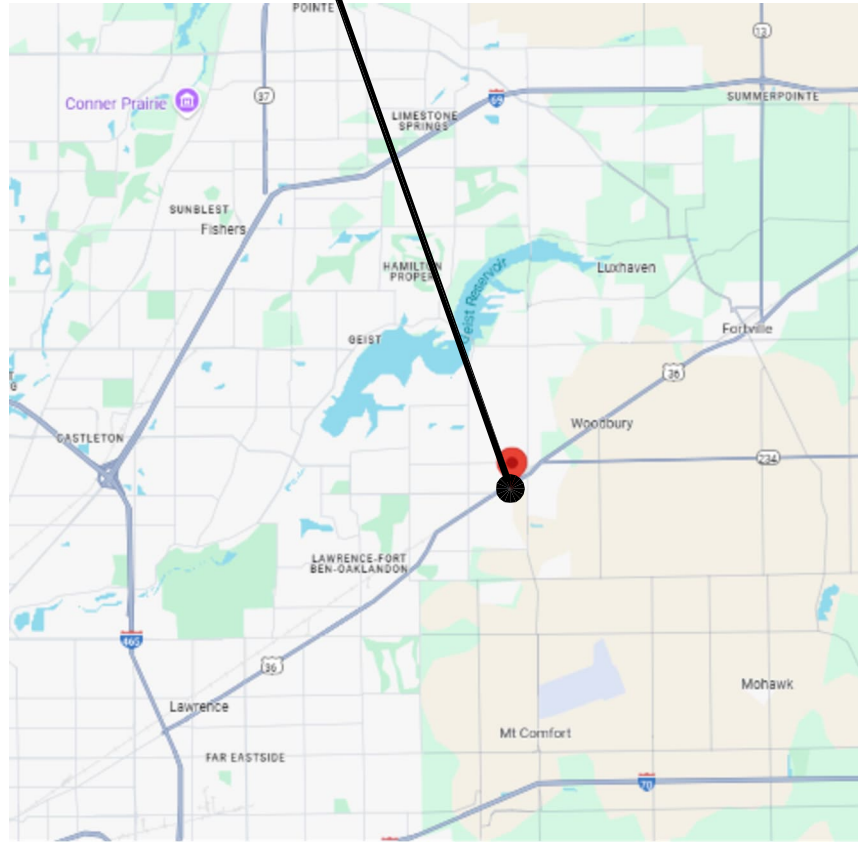
SITE SYMBOLS AND ABBREVIATIONS

REFER TO SHEET ES1 FOR EXISTING SURVEY SYMBOLS AND ABBREVIATIONS

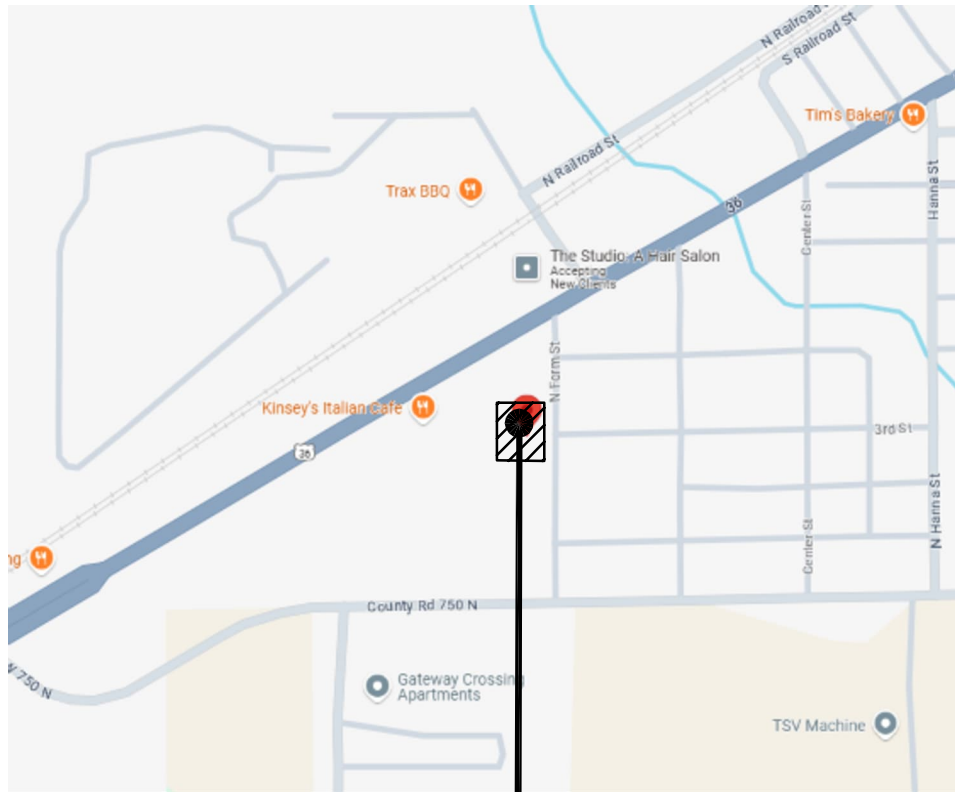
	NEW CONTOUR LINE		INV. 123.45 INVERT ELEVATION		LIGHTED BOLLARD
	NEW SPOT ELEVATION		NEW STRUCTURE		HELIPAD LIGHT
	TOP OF NEW CURB		CONSTRUCTION LIMIT LINE		LIGHT POLE BASE
	CURB GUTTER		SWALE		POWER POLE
	BOLLARD		DIRECTION OF FLOW		SEWER STRUCTURE
	CLEANOUT		NEW UTILITY TO EXISTING UTILITY		STORM INLET
	DOWNSPOUT		VALVE		WATER METER
	AREA DRAIN		FENCE		END SECTION
	NEW UTILITY		FIRE HYDRANT		WIND SOCK SIGN
	PIPE MATERIAL (RCP)		FLAG POLE		HANDHOLE/PULL BOX
	FIRE DEPARTMENT CONNECTION		TEE		PARKING BUMPER
	GAS METER		TRANSFORMER		ADA RAMP
	ELECTRIC MANHOLE		POST INDICATOR VALVE		
			ACCESSIBLE PARKING SYMBOL		

AD - AREA DRAIN	HDPE - HIGH DENSITY POLYETHYLENE PIPE	TW - TOP OF WALL (TYP)
CB - BOTTOM OF WALL	ME - MATCH EXISTING	U/G - UNDERGROUND
CO - CATCH BASIN	INV - INVERT ELEVATION	W - WATER
DIP - DUCTILE IRON PIPE	MH - MANHOLE	WV - WATER VALVE
DS - DOWNSPOUT	O/H - OVERHEAD	WV - CONDUIT
E - ELECTRIC	PIV - POST INDICATOR VALVE	COMM - COMMUNICATION/FIBER OPTICS
EG - EXISTING GRADE	PVC - POLYVINYL CHLORIDE PIPE	GV - GAS VALVE
EX - EXISTING	RCP - REINFORCED CONCRETE PIPE	HP - HIGH POINT
FDC - FIRE DEPARTMENT CONNECTION	SAN - SANITARY SEWER	LP - LOW POINT
FH - FIRE HYDRANT	STM - STORM SEWER	
G - GAS	T - TELEPHONE	
ST - STEAM	TOC - TOP OF CASTING ELEVATION	
CWS - CHILLED WATER SUPPLY	CWR - CHILLED WATER RETURN	

PROJECT SITE



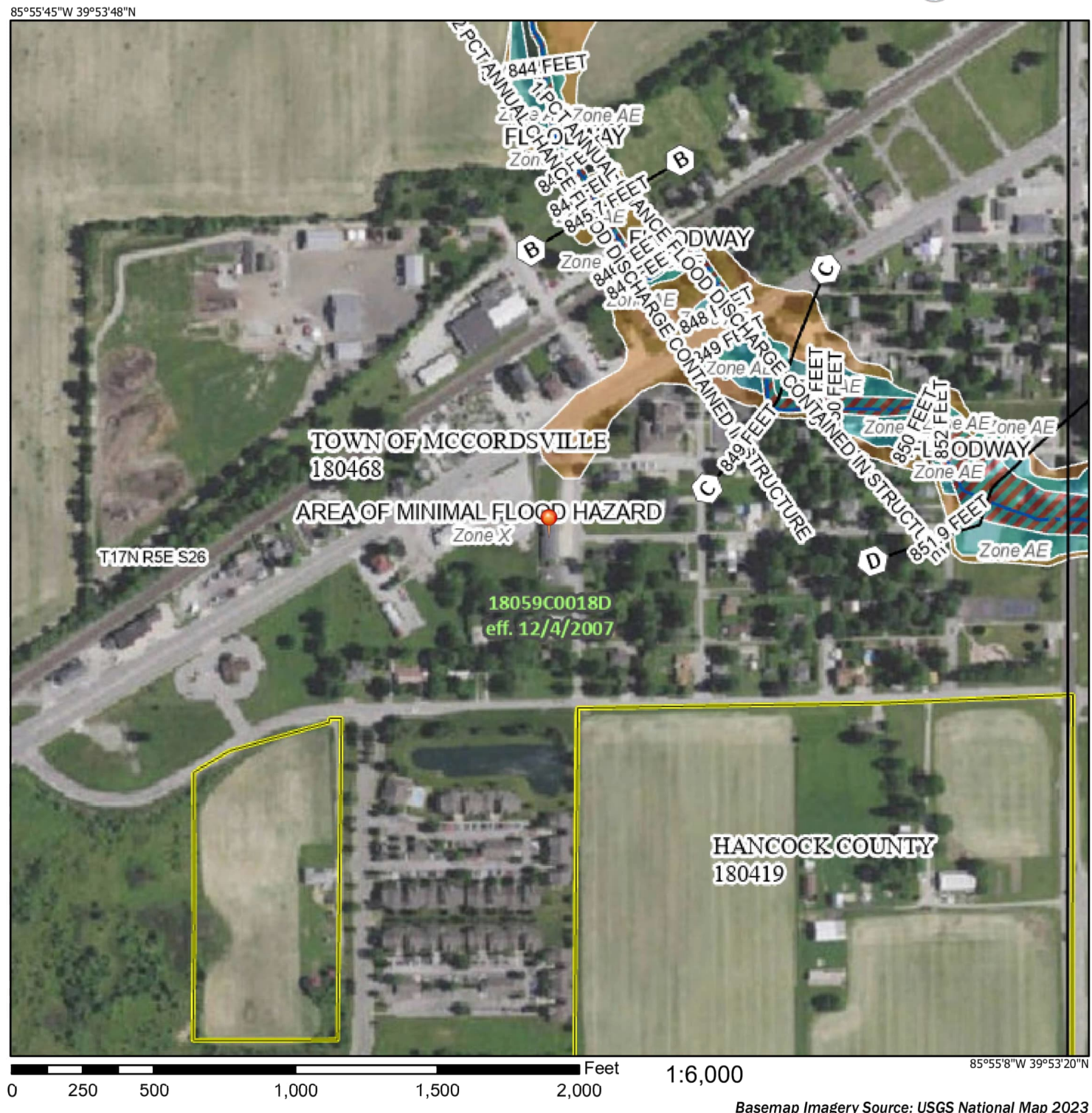
LOCATION MAP



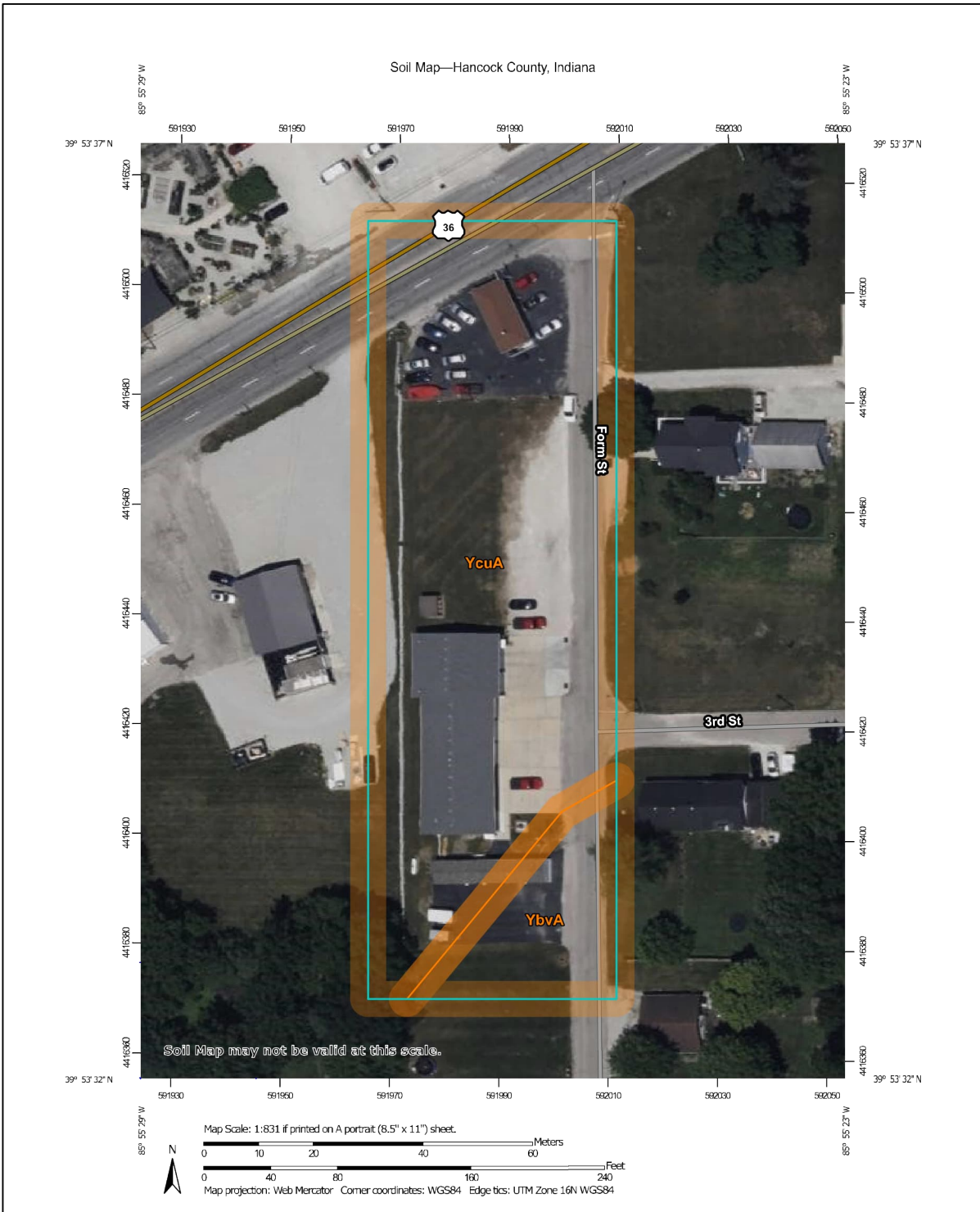
PROJECT SITE

VICINITY MAP

National Flood Hazard Layer FIRMette



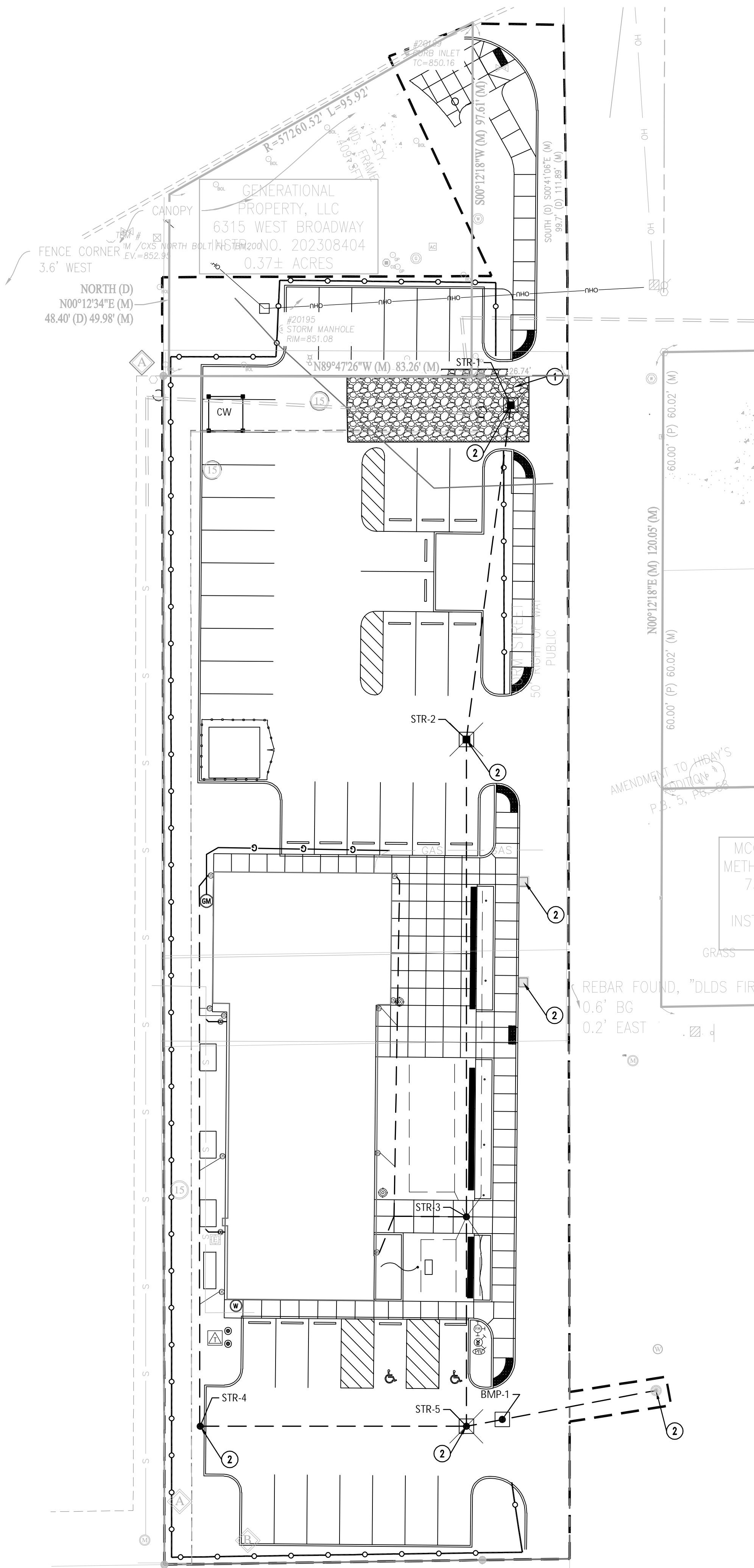
FLOOD MAP



SOILS MAP

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
YbuA	Brookston silty clay loam Urban and complex, 0 to 2 percent slopes	0.2	13.2%
YcuA	Crosby silt loam-Urban land complex, 0 to 2 percent slopes	1.4	88.8%
Totals for Area of Interest		1.6	100.0%



GENERAL NOTES

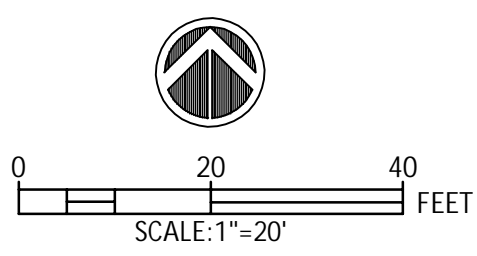
- A. TEMPORARILY SEED ALL DISTURBED AREA.
- B. REFER TO LANDSCAPE SHEETS FOR AREAS OF PERMANENT SEEDING AND/OR SOD.
- C. REFER TO STORMWATER POLLUTION PREVENTION NOTES AND DETAIL SHEETS.
- D. ALL PROPOSED EROSION AND SEDIMENT CONTROL SHALL BE IN CONFORMANCE WITH CHAPTER 600 OF THE CITY OF INDIANAPOLIS STORMWATER SPECIFICATIONS MANUAL, LATEST EDITION. DISCREPANCIES BETWEEN THE PLANS AND THE MANUAL SHALL NOT ALLEVIATE THE CONTRACTOR FROM ADHERING TO THE REQUIREMENTS AS SET FORTH IN THE MANUAL.
- E. ADDITIONAL EROSION CONTROL AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED BY THE INSPECTOR.

PLAN NOTES

- 1. CONSTRUCTION ENTRANCE.
- 2. BASKET INLET PROTECTION.

PLAN SYMBOLS

- CW CONCRETE WASHOUT AREA
- SILT FENCE
- PROPOSED STORM SEWERS
- CONSTRUCTION/GRADING LIMITS
- PROPOSED CONTOURS
- PROPOSED IMPROVEMENTS



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TOWN OF MCCORDSVILLE
VFD COMMUNITY CENTER

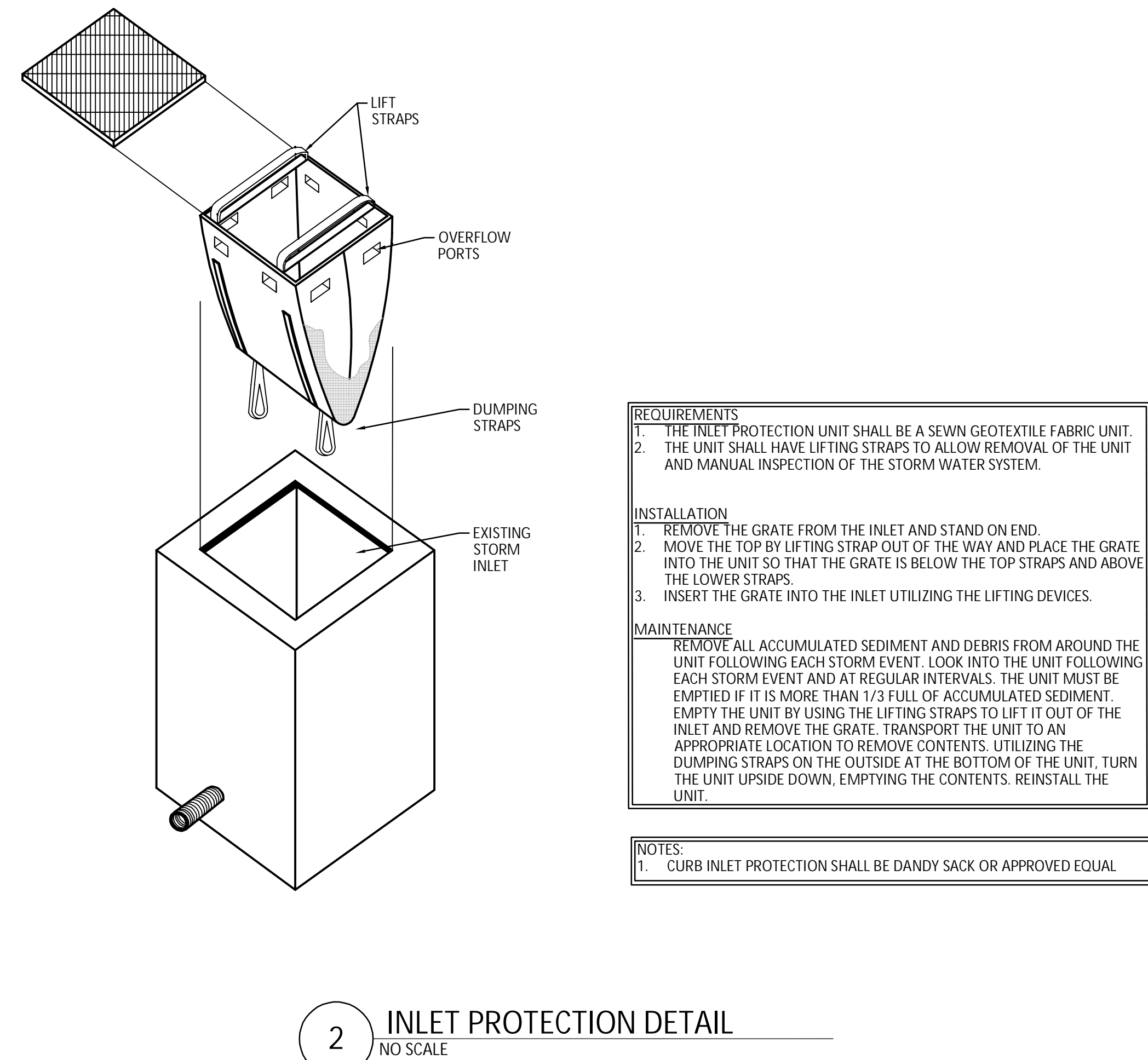
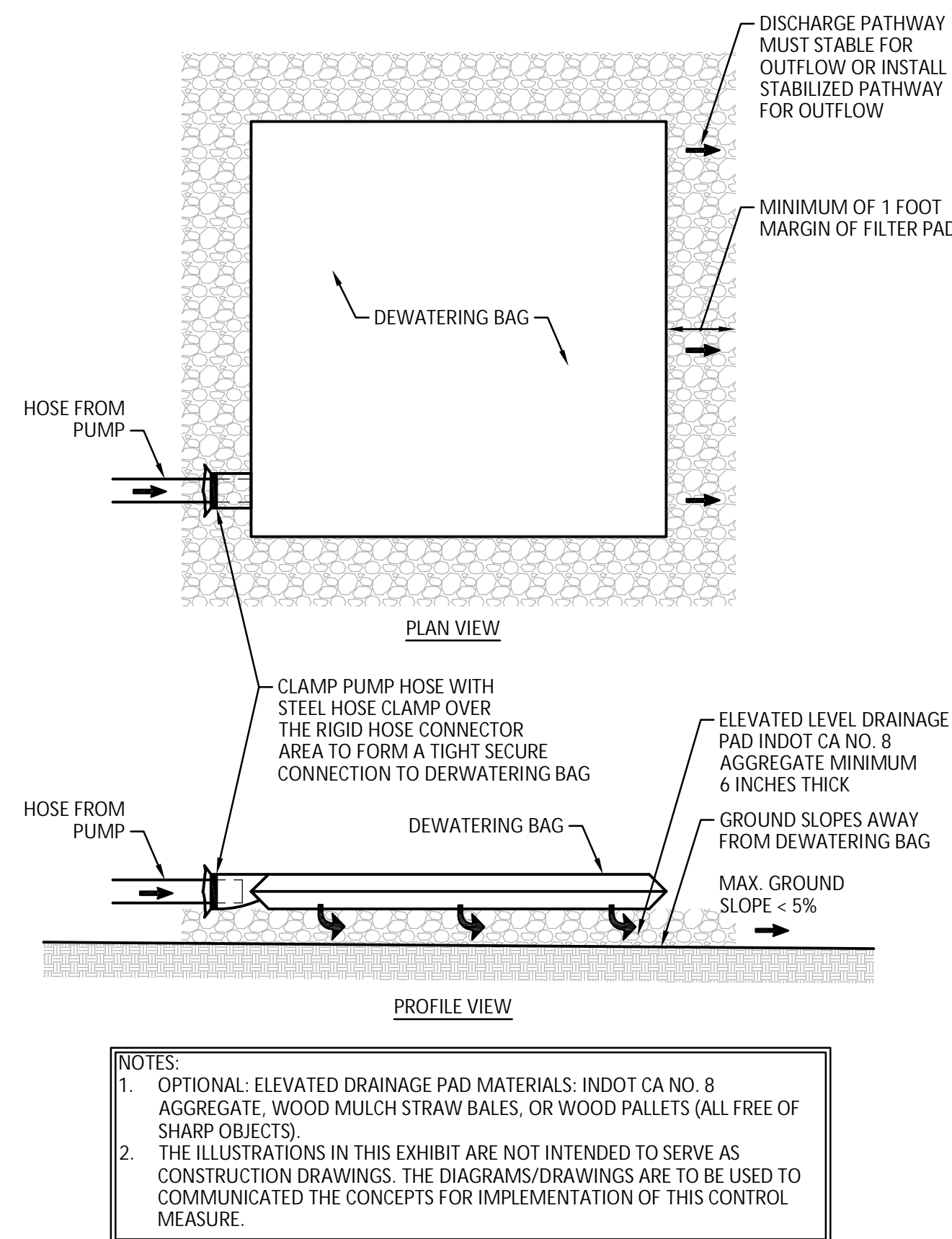
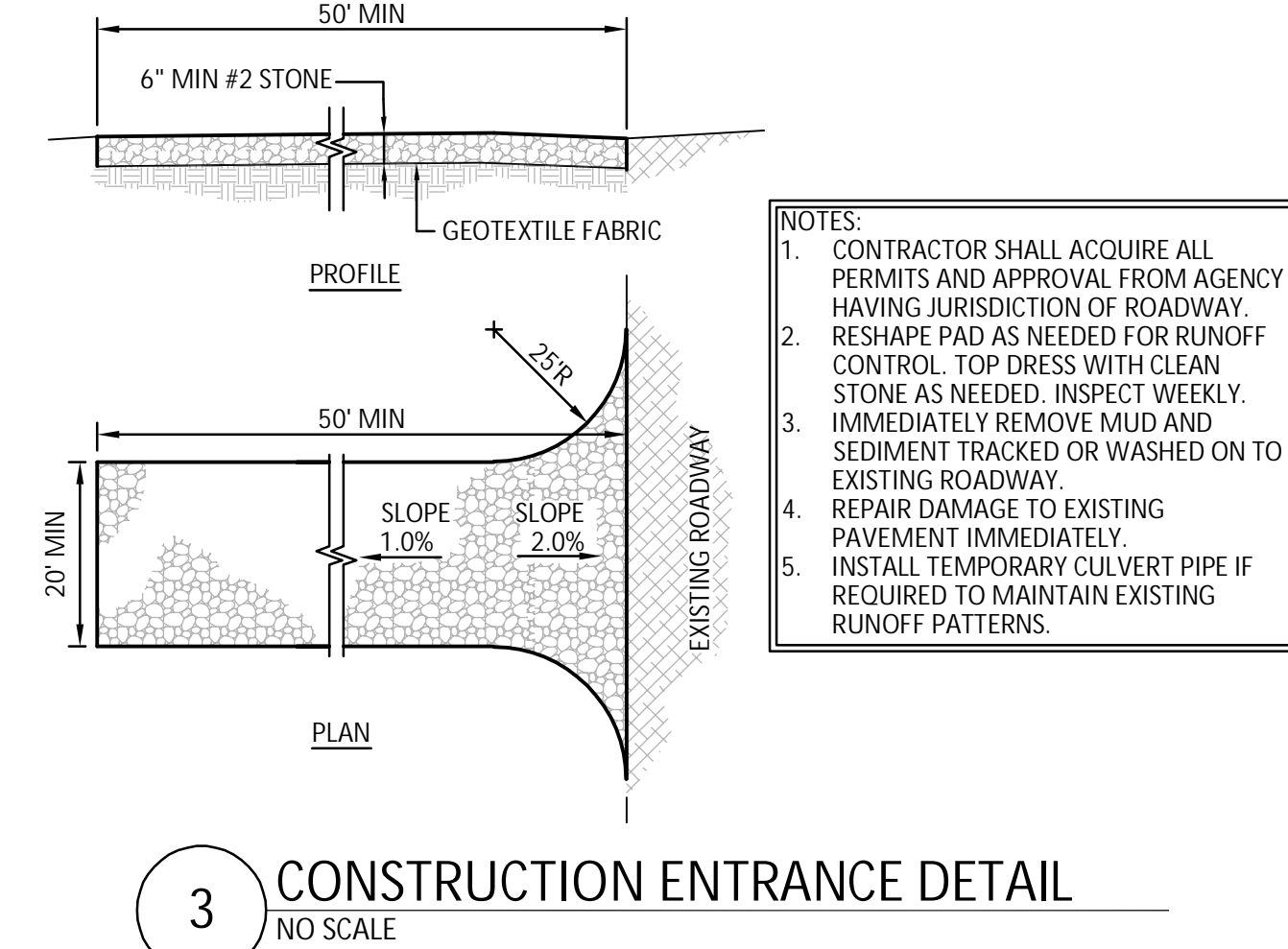
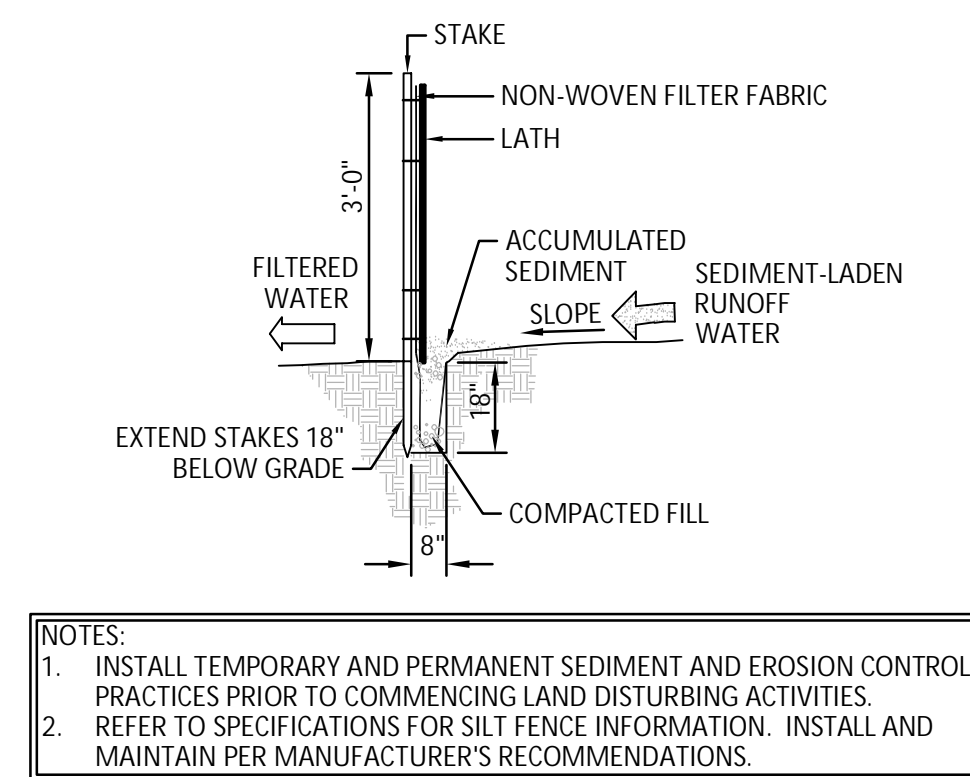
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MARK	DATE	DESCRIPTION
△	5/09/25	ADDENDUM #1
△	4/11/25	PERMIT/BID SET

PROJECT NO:	24JPSC83
DATE:	4/30/2025
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STORMWATER POLLUTION PREVENTION PLAN

C100



SEASONAL SOIL PROTECTION CHART												
STABILIZATION PRACTICE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
PERMANENT SEEDING -		A						A				
DORMANT SEEDING - +			A								A	
TEMPORARY SEEDING			B					C				

FOR ALL SEEDING APPLICATIONS, ADD STRAW MULCH AT 2 TONS/ ACRE.

A = REFER TO SPECIFICATIONS FOR PERMANENT SEEDING MIXTURE. FERTILIZE AS RECOMMENDED BY SOIL TEST, IF TESTING IS NOT DONE, APPLY 400-600 LBS./ACRE OF 12-12-12 ANALYSIS, OR EQUIVALENT, FERTILIZER.

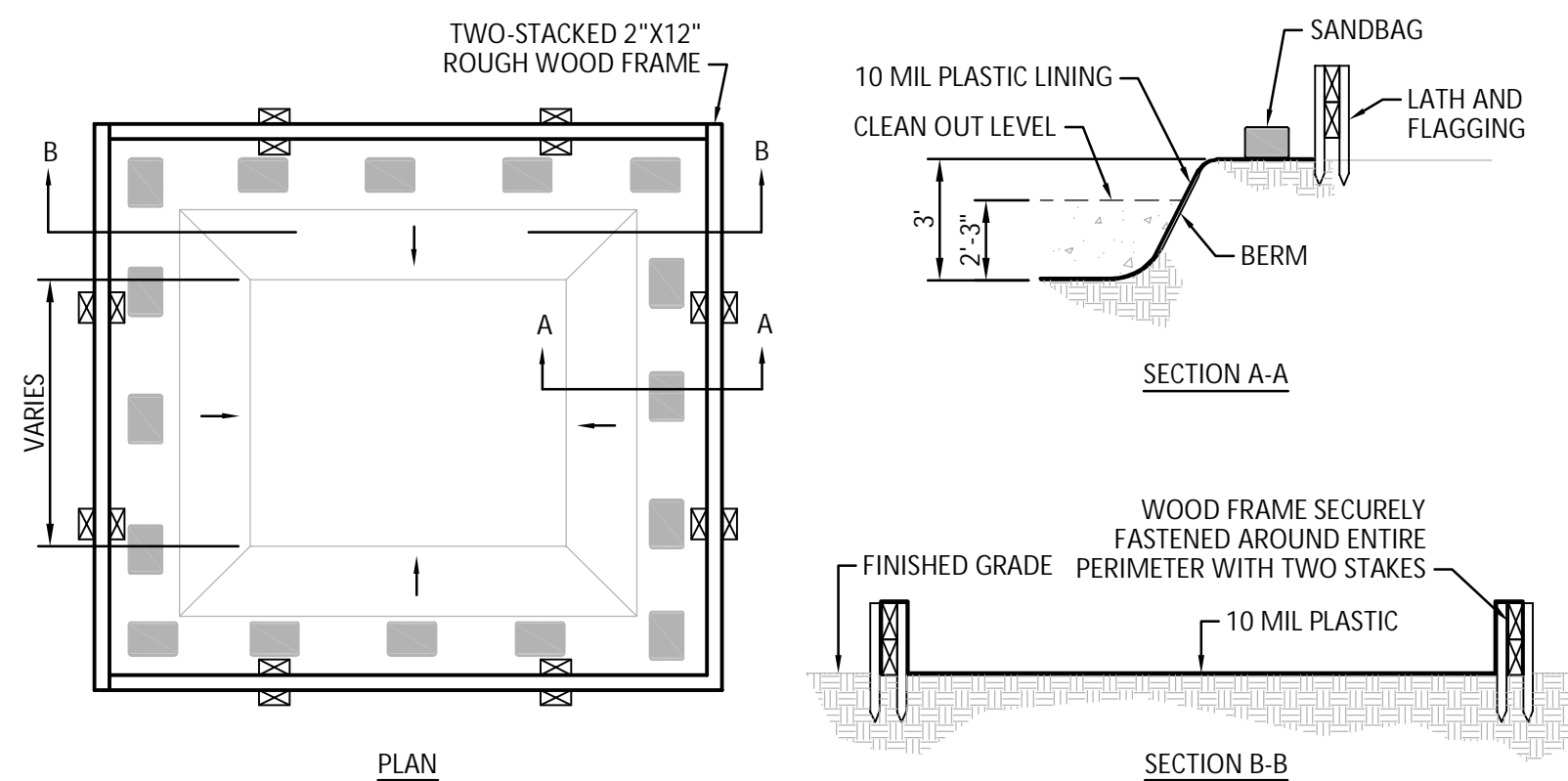
B = SPRING OATS 3 BUSHELS / ACRE (2.3lbs. / 1000 Sq ft) FERTILIZE AS RECOMMENDED BY SOIL TEST. IF TESTING IS NOT DONE, APPLY 400- 600 LBS./ACRE OF 12-12-12 ANALYSIS, OR EQUIVALENT, FERTILIZER.

C = WHEAT OR RYE 2 BUSHELS/ACRE (2.8lbs. / 1000 Sq. ft) FERTILIZE AS RECOMMENDED BY SOIL TEST. IF TESTING IS NOT DONE, APPLY 400- 600 LBS./ACRE OF 12-12-12 ANALYSIS, OF EQUIVALENT, FERTILIZER.

D = ANNUAL RYEGRASS 40 LBS./ACRE (1 LB./1000 SQ. FT.)

* IRRIGATION NEEDED DURING JUNE, JULY, AUGUST AND SEPTEMBER AND AS REQUIRED BY WEATHER CONDITIONS.

★ ★ INCREASE SEEDING APPLICATION BY 50%



1. PORTLAND CEMENT CONCRETE WASTE SHALL NOT BE ALLOWED TO ENTER STORM DRAINS OR WATERCOURSES.
2. TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE LOCATED AT LEAST 50 FEET FROM OPEN DRAINAGE FACILITIES AND WATERCOURSES. EACH FACILITY SHALL BE LOCATED AWAY FROM CONSTRUCTION TRAFFIC OR ACCESS AREAS TO PREVENT DISTURBANCE OR TRACKING.
3. PERFORM WASHOUT OF MIX TRUCK CHUTES IN DESIGNATED AREAS ONLY.
4. HOLES, DEPRESSIONS OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITY SHALL BE RESTORED TO ORIGINAL GROUND WITH BERM AND SIMILAR SOIL MATERIALS.
5. TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE MAINTAINED TO PREVENT DEBRIS FROM BEING LOADED ONTO A NEARBY 14" MIN. FREEBOARD OF 12 INCHES. MAINTAINING TEMPORARY WASHOUT FACILITIES SHALL INCLUDE REMOVING AND LEGALLY DISPOSING OF HARDENED CONCRETE AND RETURNING THE FACILITY TO A FUNCTIONAL CONDITION.
6. EXISTING FACILITIES MUST BE CLEANED, OR NEW FACILITIES CONSTRUCTED AND READY FOR USE ONCE THE WASHOUT IS 75% FULL.
7. TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE INSPECTED DAILY FOR CRACKS, LEAKS, EROSION, MISSING MATERIALS, ETC.). DAMAGED FACILITIES SHALL BE REPAIRED BEFORE FURTHER USE.
8. CONTRACTOR TO INSTALL TEMPORARY SIGNAGE OF SUFFICIENT MATERIALS TO INDICATE THE LOCATION OF THE WASHOUT AREA TO MIX TRUCK DRIVERS.



Andrew J. Swanson

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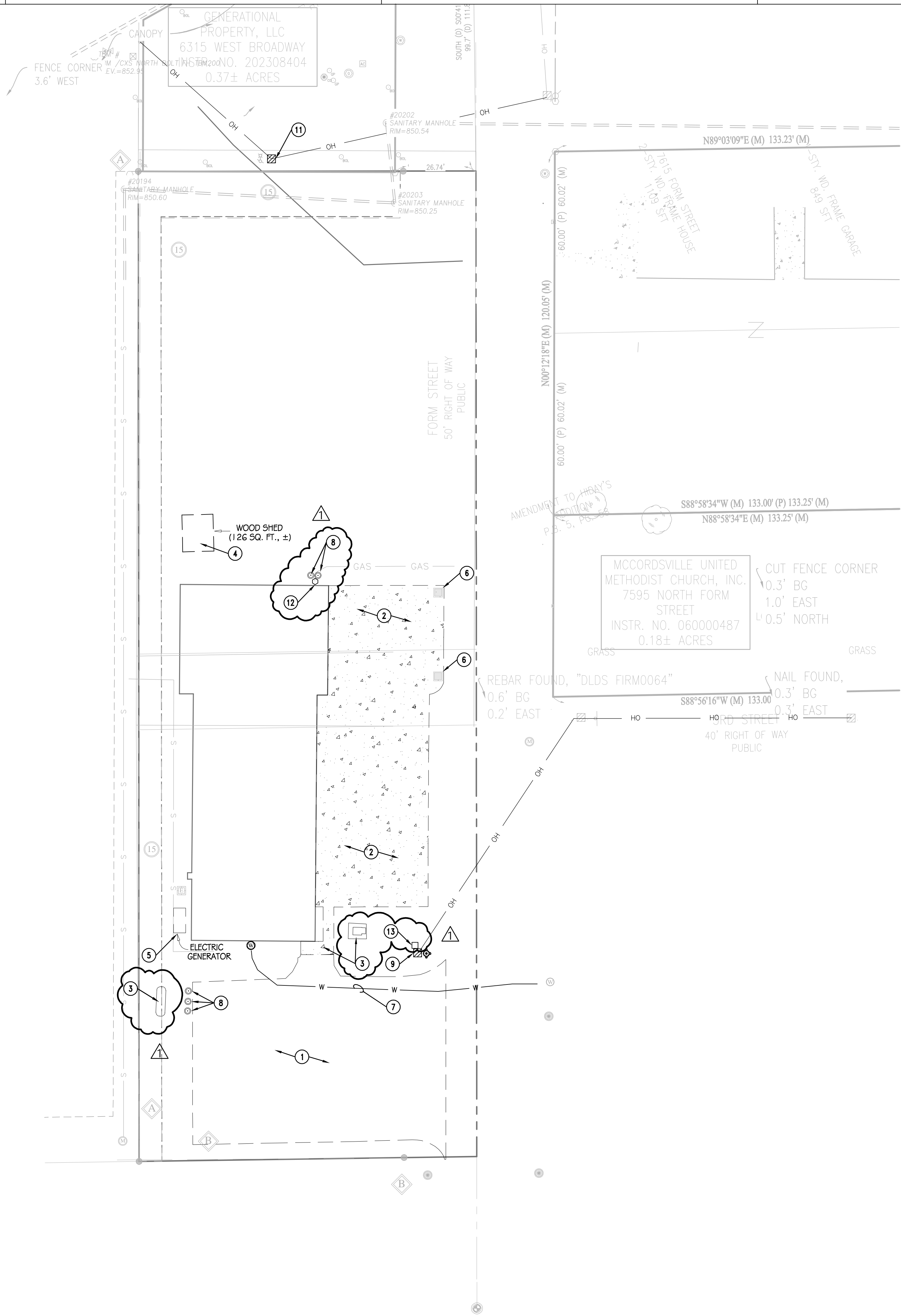
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SHEET TITLE

STORMWATER POLLUTION PREVENTION DETAILS

C110



PLAN NOTES

1. REMOVE EXISTING ASPHALT PAVEMENT COMPLETE. MAKE STRAIGHT SAW-CUT AT TERMINATION.
2. REMOVE EXISTING CONCRETE. MAKE STRAIGHT SAW-CUT AT TERMINATION.
3. REMOVE EXISTING CONCRETE WALK. MAKE STRAIGHT SAW-CUT AT NEXT ADJACENT JOINT.
4. REMOVE SHED COMPLETE.
5. REMOVE EXISTING GENERATOR.
6. ADJUST CASTING TO PROPOSED GRADE. SEE GRADING PLAN.
7. REMOVE EXISTING WATER PIPE AND METER COMPLETE.
8. REMOVE EXISTING BOLLARDS
9. REMOVE EXISTING OVERHEAD ELECTRIC POLE AND LINE.
10. REMOVE AND RELOCATE EXISTING FIRE HYDRANT.
11. REMOVE AND RELOCATE EXISTING ELECTRIC POLE AND LINE.
12. REMOVE AND RELOCATE EXISTING GAS METER
13. REMOVE EXISTING ELECTRICAL BOX.

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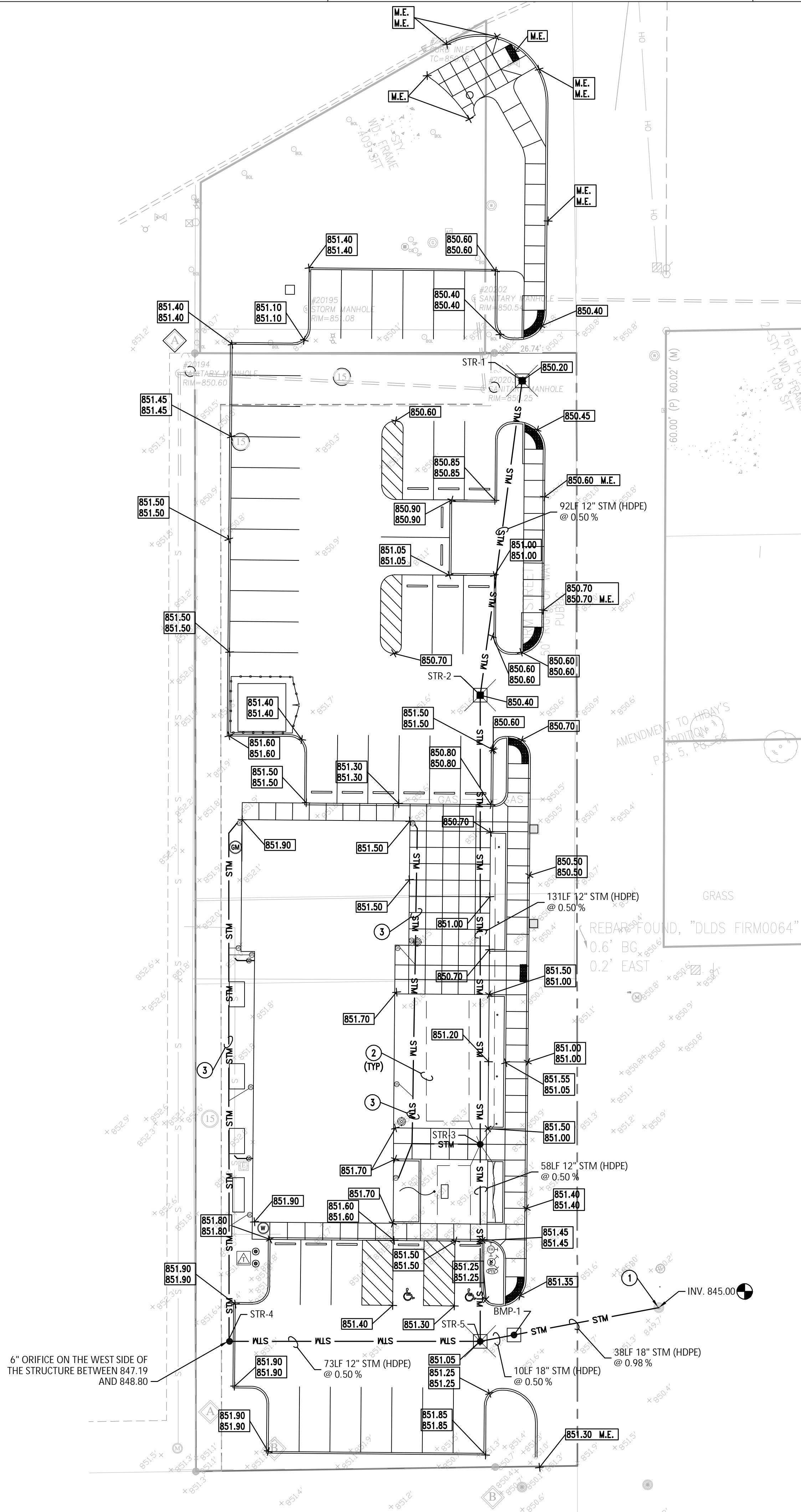
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SITE
DEMOLITION
PLAN

C200



GENERAL NOTES

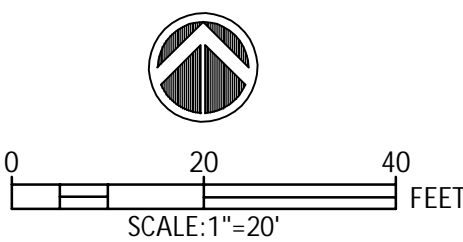
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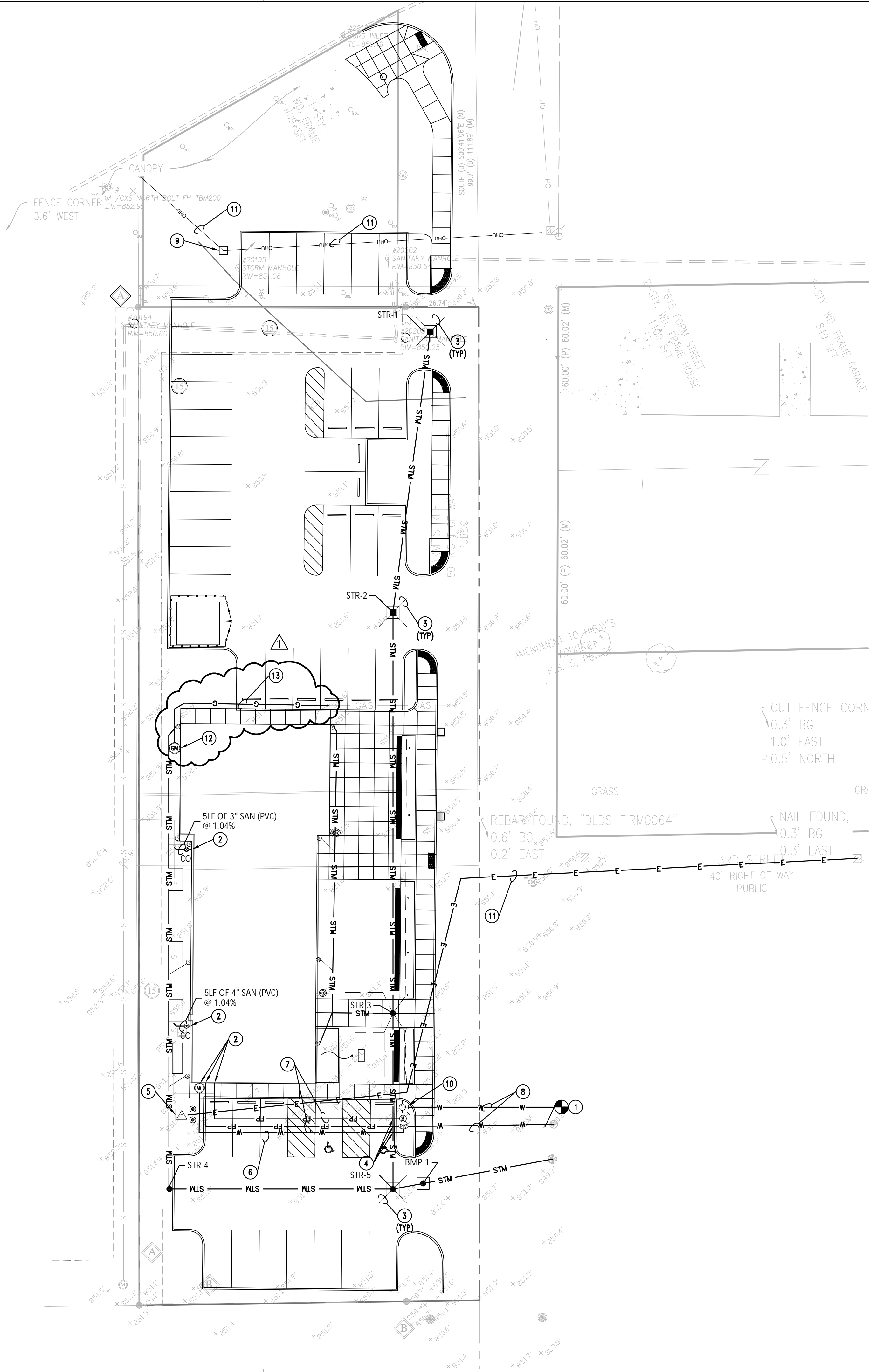
PLAN NOTES

- CONTRACTOR TO FIELD VERIFY EXISTING STORM SEWER LOCATION, ELEVATION AND SIZE.
- NEW SUBSURFACE DRAIN.
- 6" HDPE DOWNSPOUT SUBSURFACE DRAIN.

STRUCTURE SCHEDULE

MARK	INVERT		CASTING		STRUCTURE	
	INLET	OUTLET	ELEVATION	TYPE	TYPE	DETAIL
STR-1	-	846.99	850.20	R-3445	INLET	C410
STR-2	846.62	846.62	850.40	R-3445	INLET	C410
STR-3	845.83	845.83	851.20	R-1772	MANHOLE	C410
STR-4	-	846.51	851.80	R-1772	INLET	C410
STR-5	W 846.04 N 845.79	845.54	851.05	R-3445	MANHOLE	C410
BMP-1	845.49	845.39	851.05	SEE DETAIL	SSET-5	C411



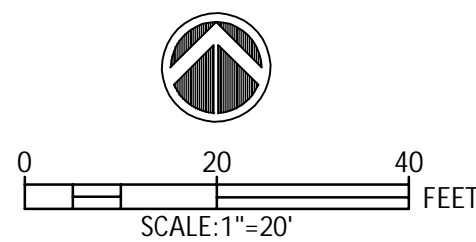


GENERAL NOTES

- REFER TO UTILITY DETAILS FOR NOTE REFERENCES.
- ALL CASTINGS SHALL HAVE THE WORDS "NO DUMPING DRAINS TO STREAM" CAST IN RAISED OR RECESSED LETTERS AT A MINIMUM OF 1" HEIGHT. A SYMBOL OF A FISH SHALL ALSO BE CAST WITH THE LETTERS.
- CASTINGS TO BE NEENAH TYPE OR APPROVED EQUAL.
- CONTRACTOR TO VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION.

PLAN NOTES

- CONTRACTOR TO FIELD VERIFY EXISTING SEWER LOCATION, ELEVATION AND SIZE.
- COORDINATE SIZE, LOCATION AND ELEVATION OF PIPING WITH PLUMBING PLANS.
- NEW INLET SUBSURFACE DRAIN.
- WATER AND SEWER CROSSING, MINIMUM 18" CLEARANCE OR USE CONCRETE CRADLE.
- NEW TRANSFORMER AND PRIMARY ELECTRIC SERVICE. COORDINATE WITH UTILITY COMPANY.
- NEW 2" DOMESTIC WATER.
- NEW 6" FIRE PROTECTION LINE.
- NEW 6" WATER LINE.
- NEW OVERHEAD ELECTRIC POLE.
- NEW FIRE HYDRANT.
- RELOCATED ELECTRIC LINE.
- NEW GAS METER.
- EXTEND EXISTING GAS SERVICE.



△	5/09/25	ADDENDUM #1
△	4/11/25	PERMIT/BID SET
MARK	DATE	DESCRIPTION

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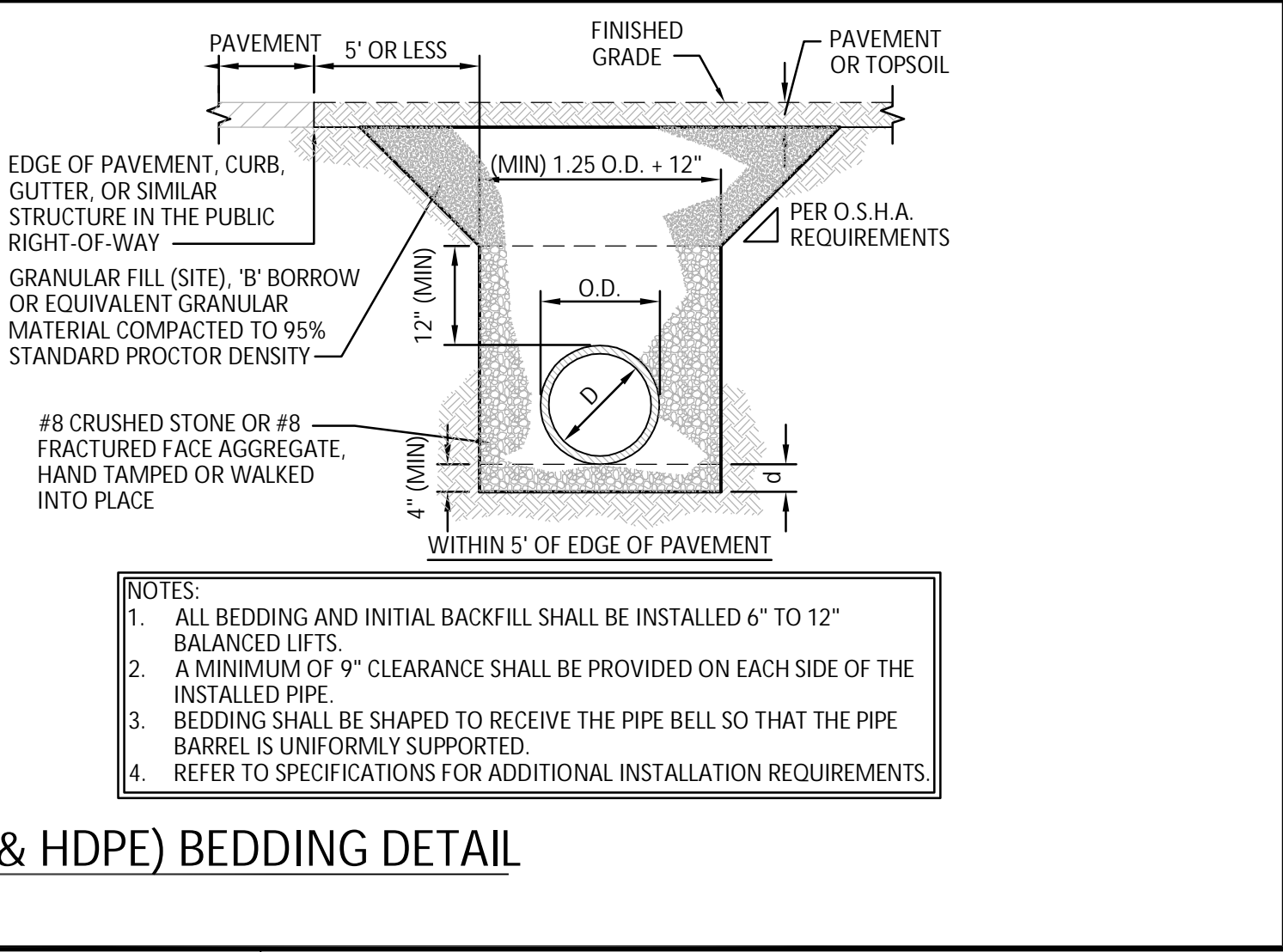
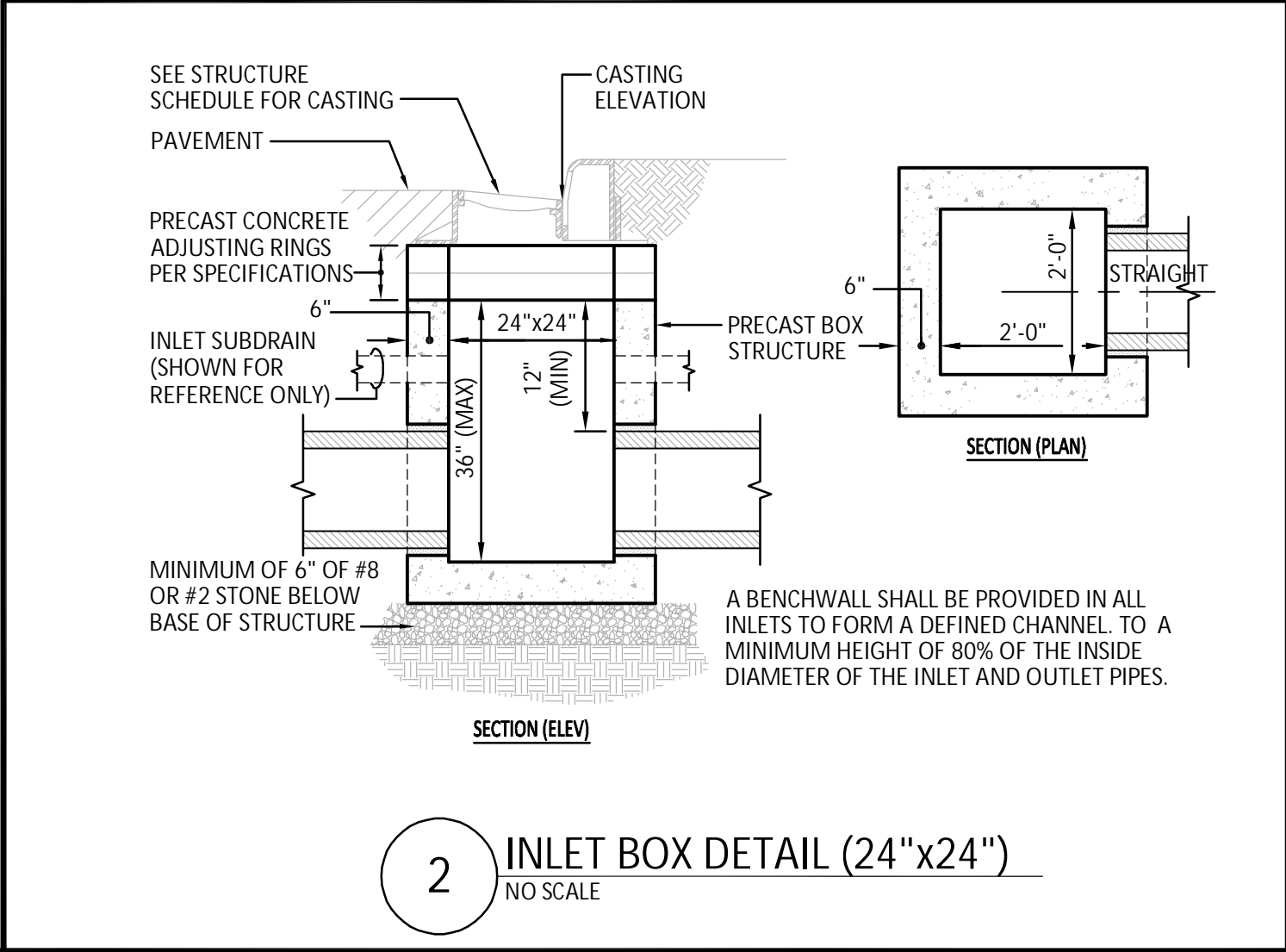
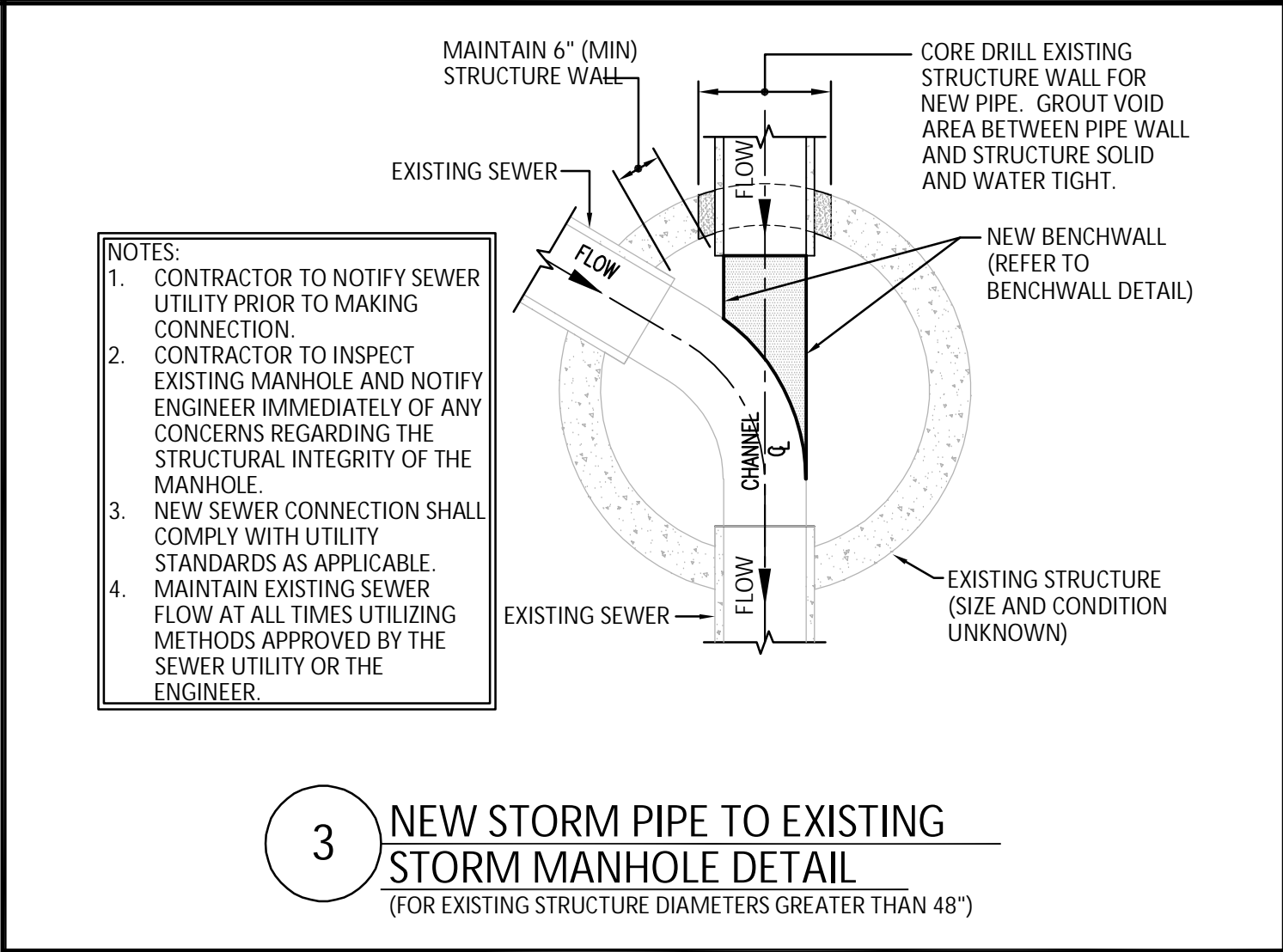
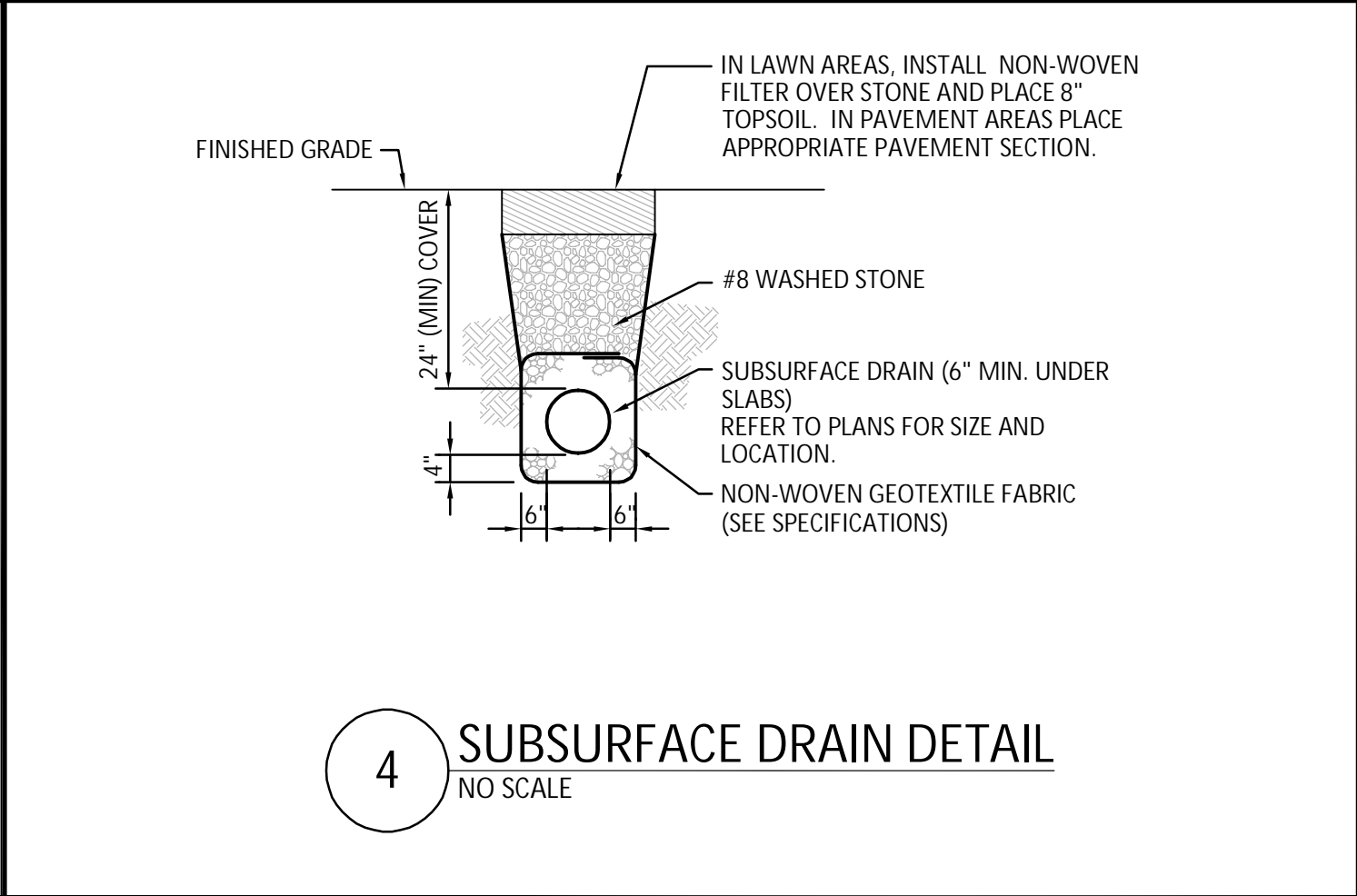
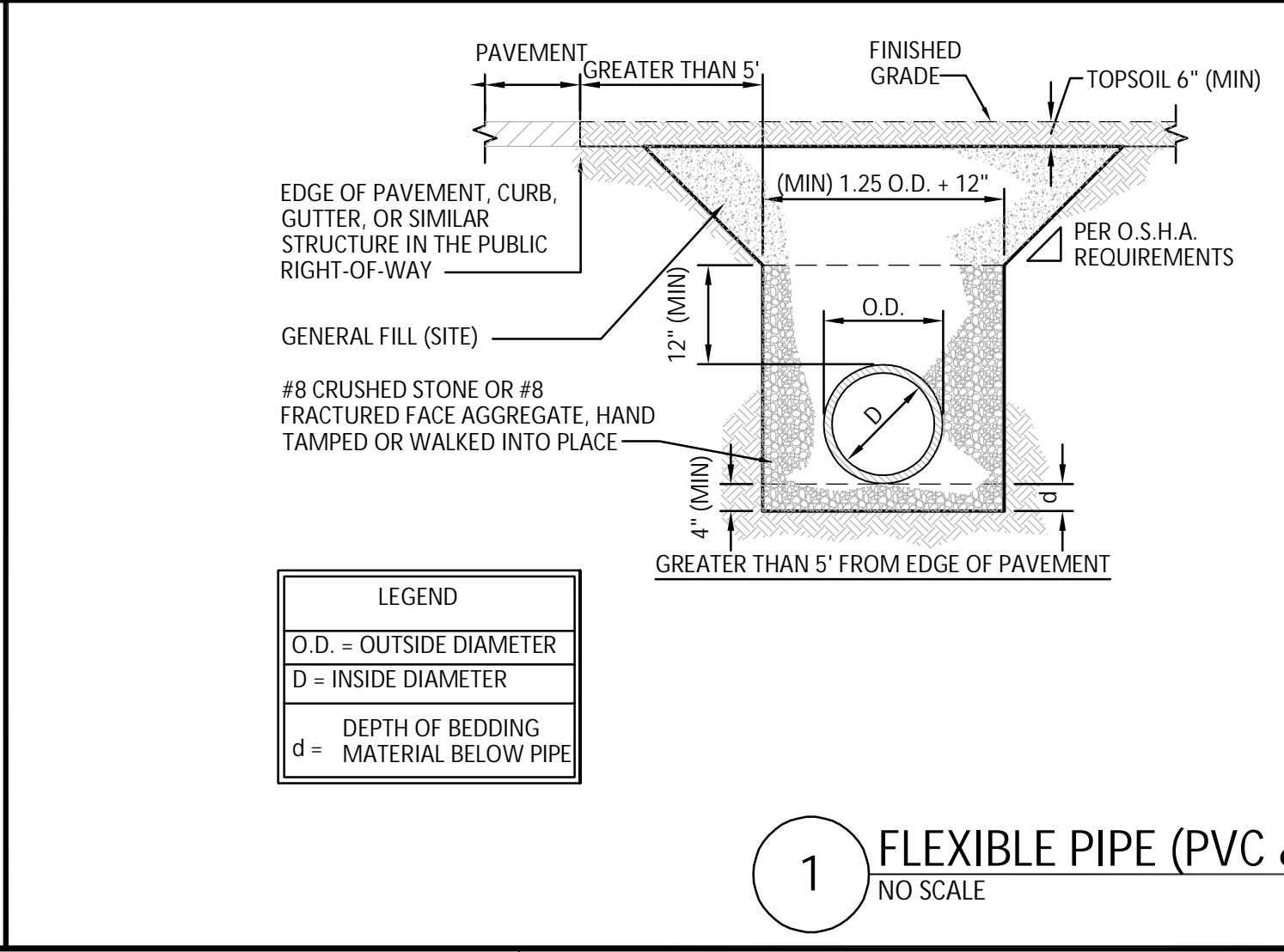
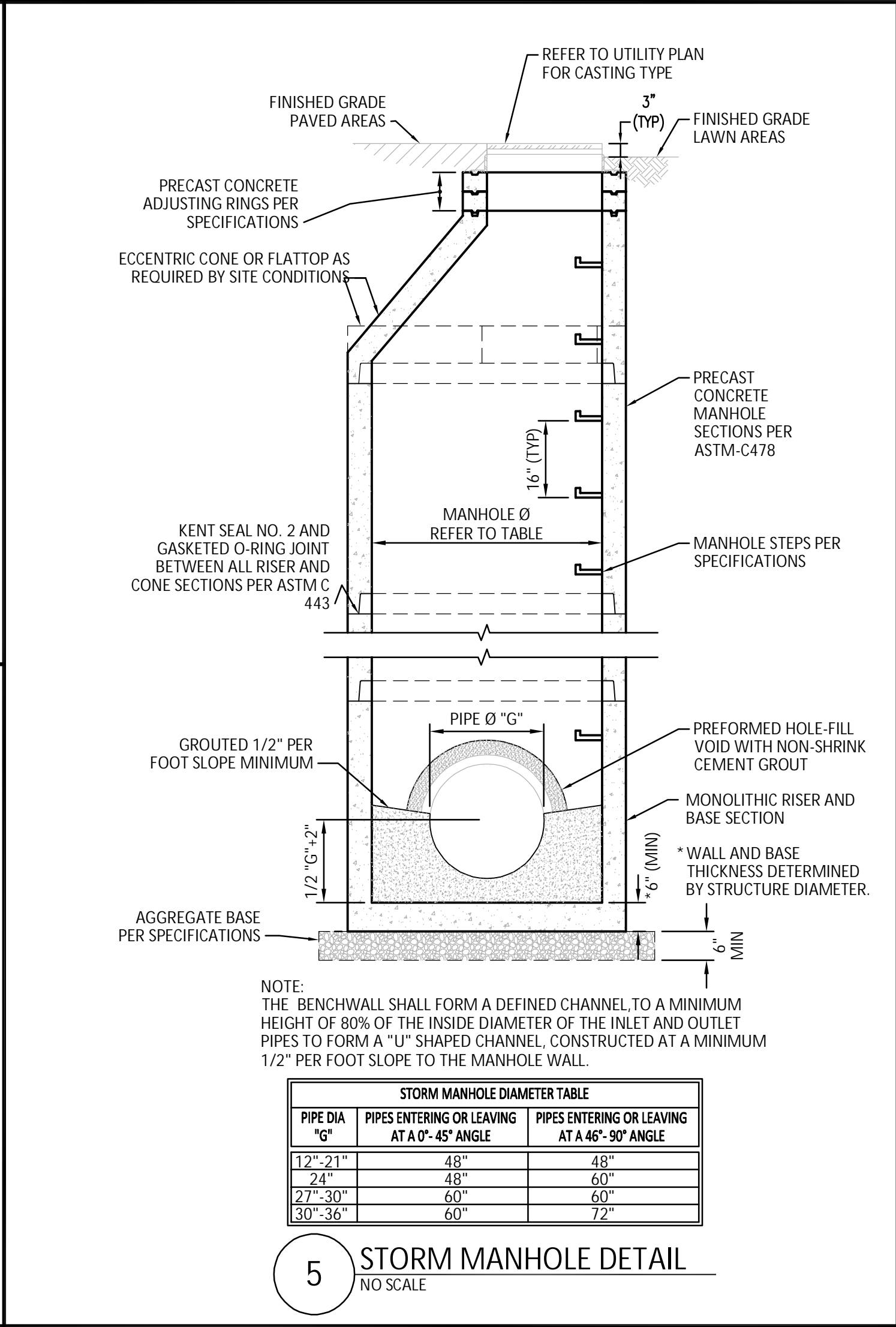
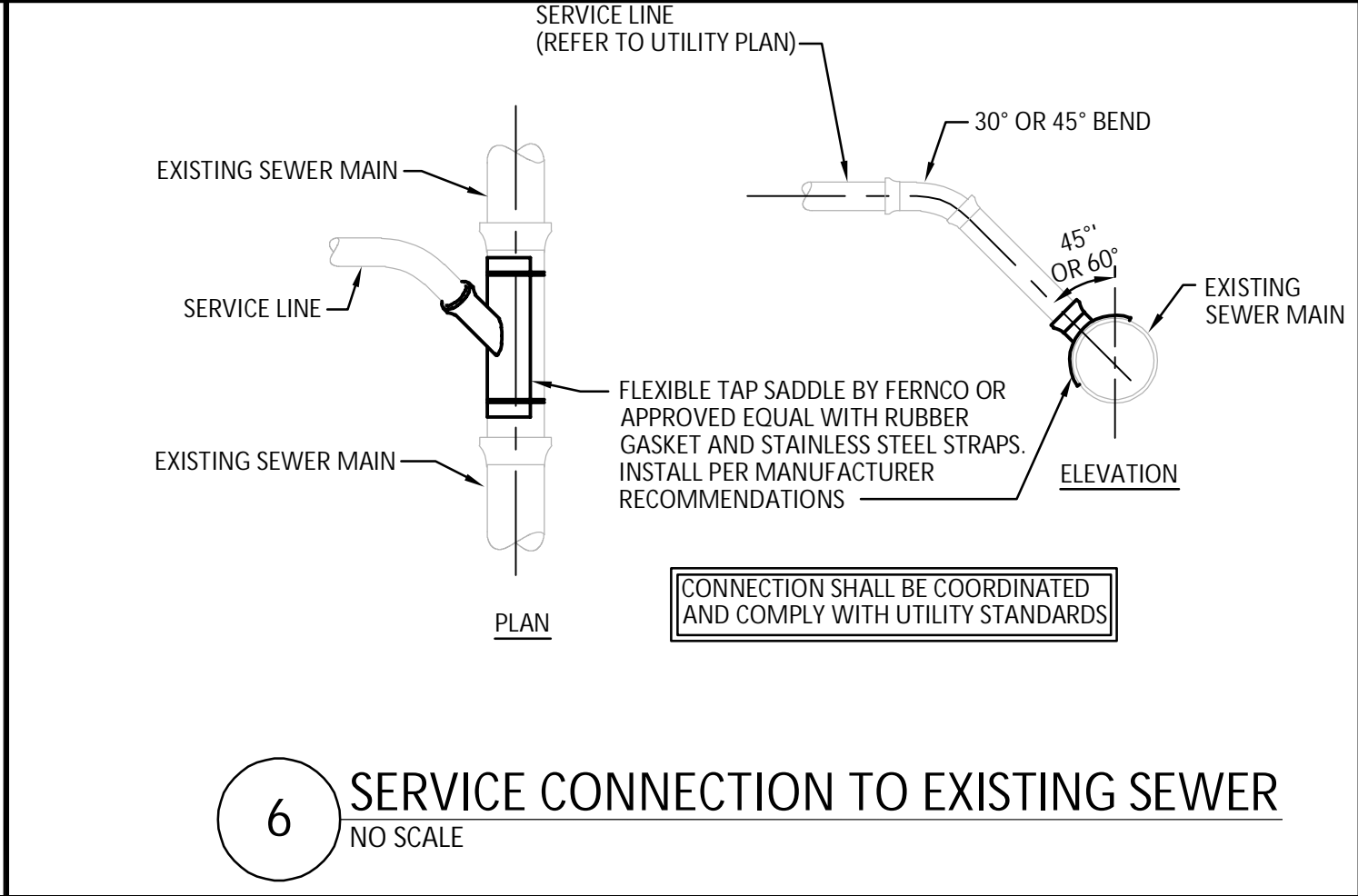
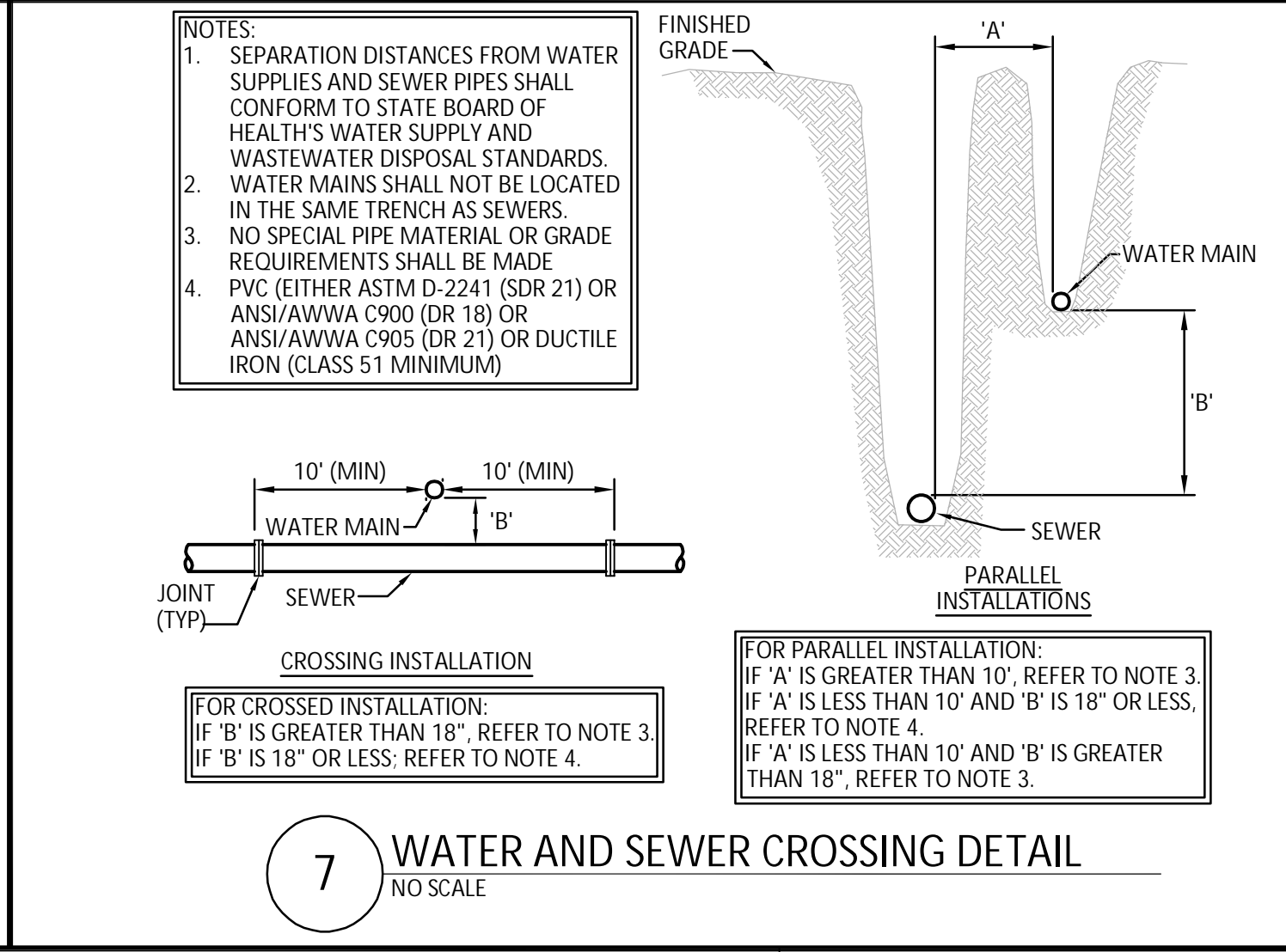
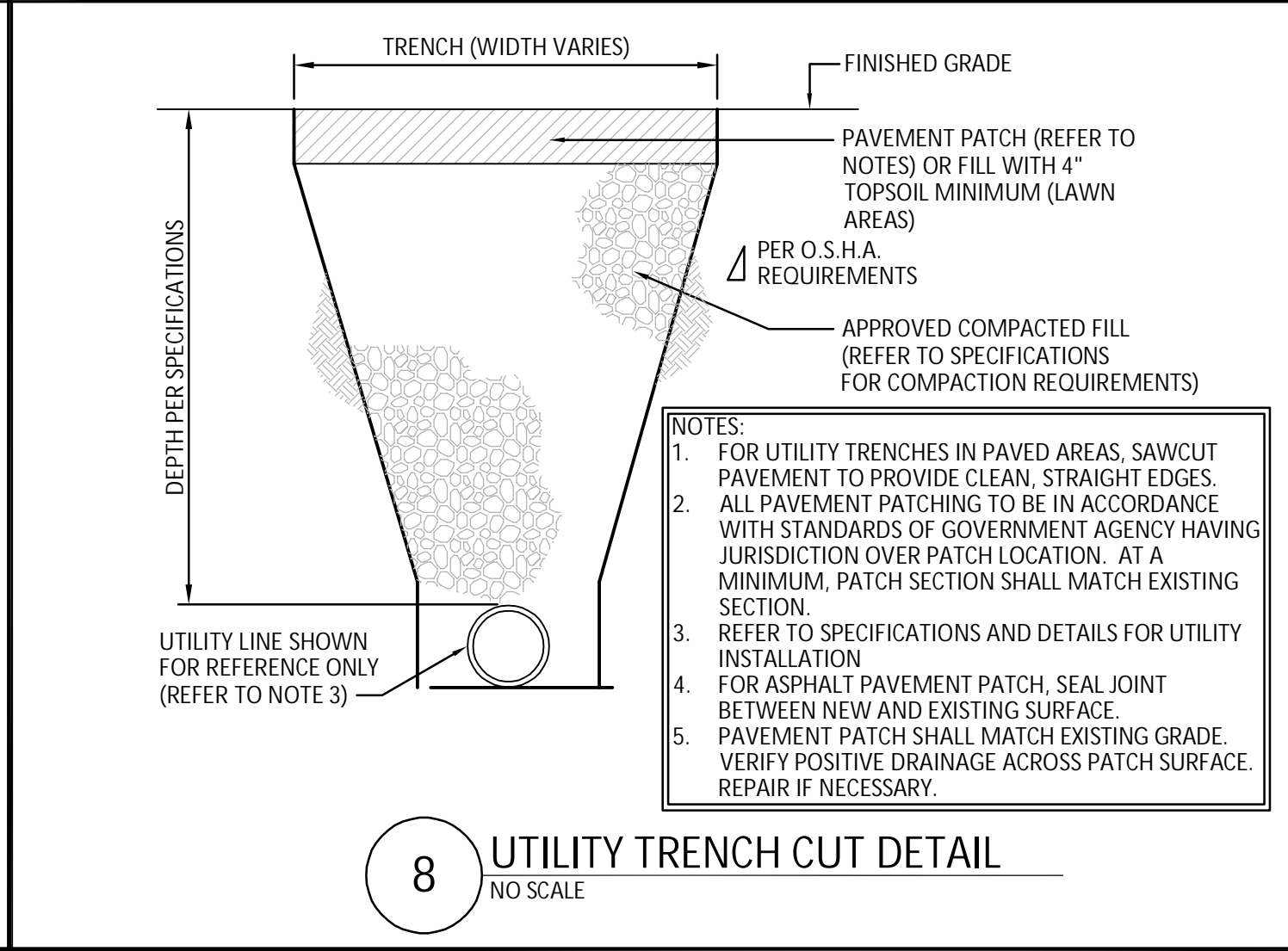
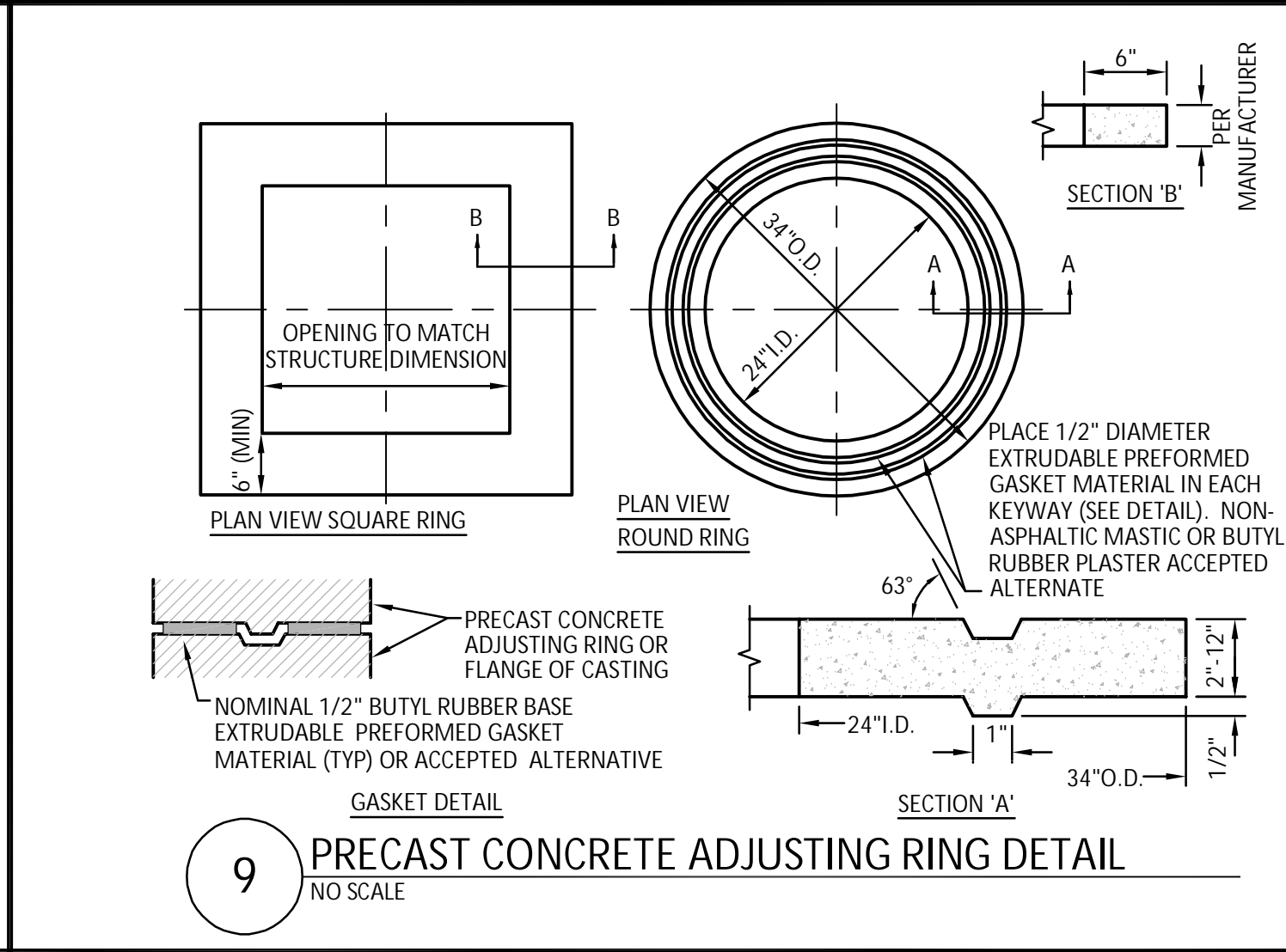
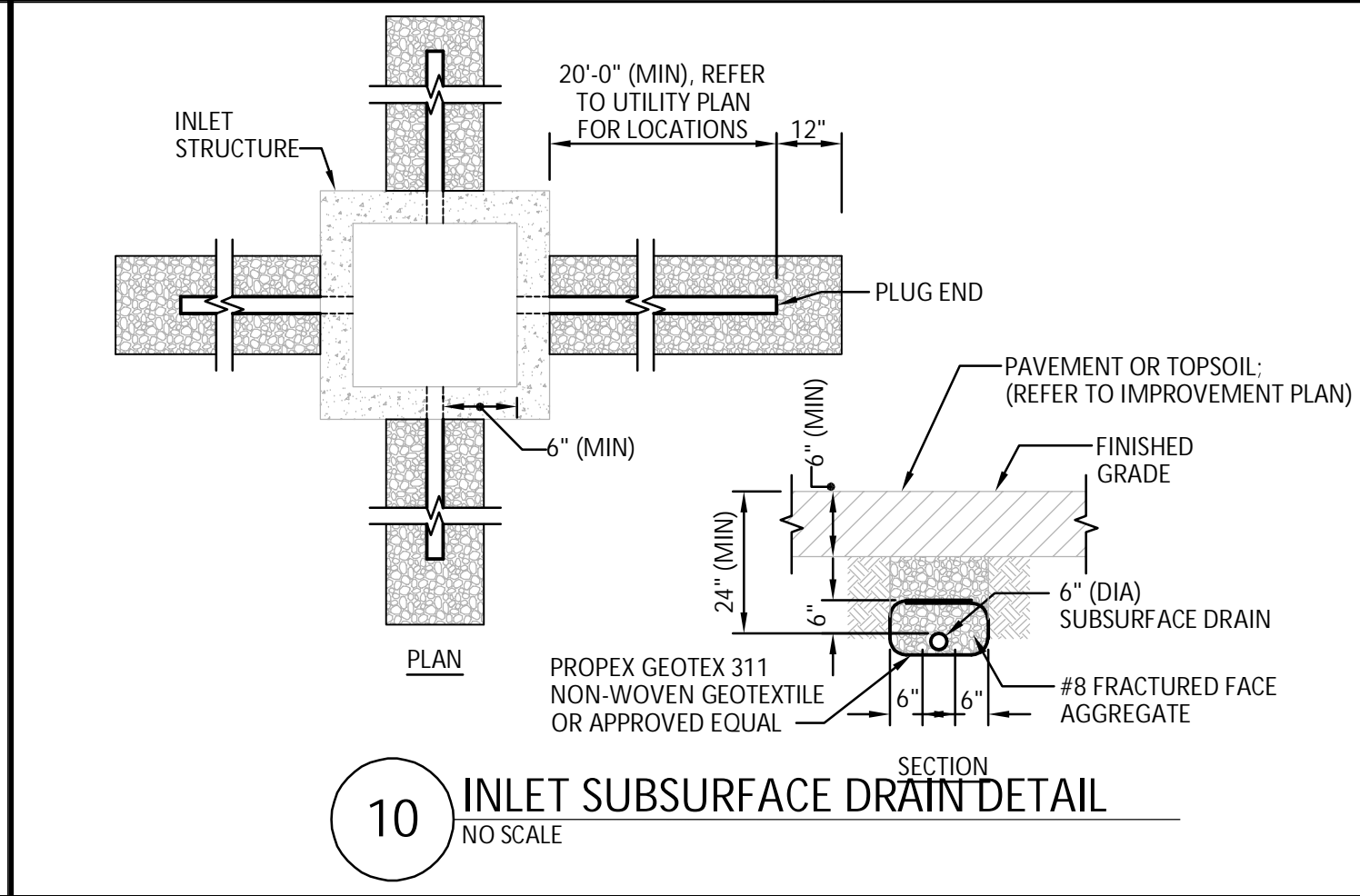
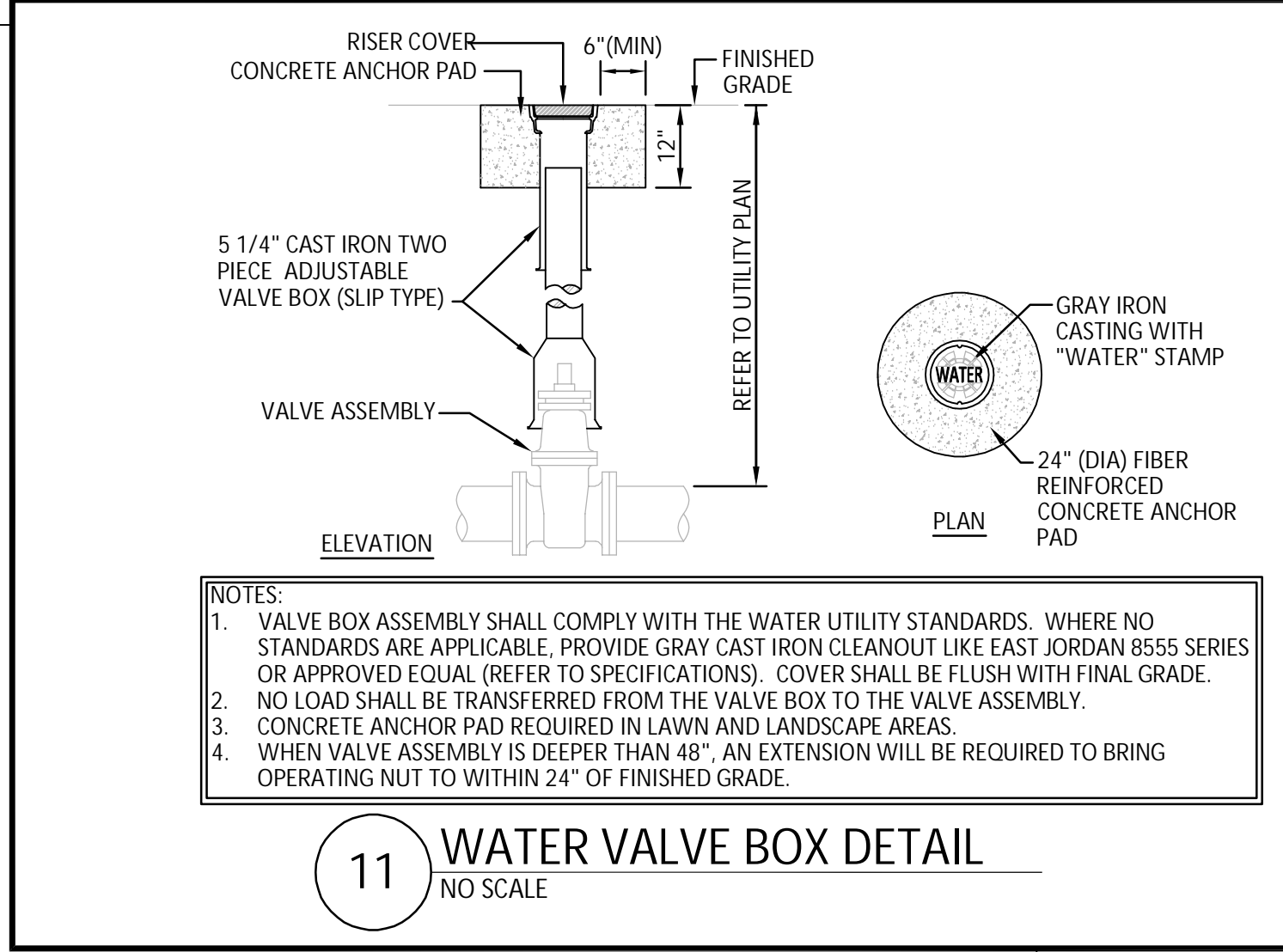
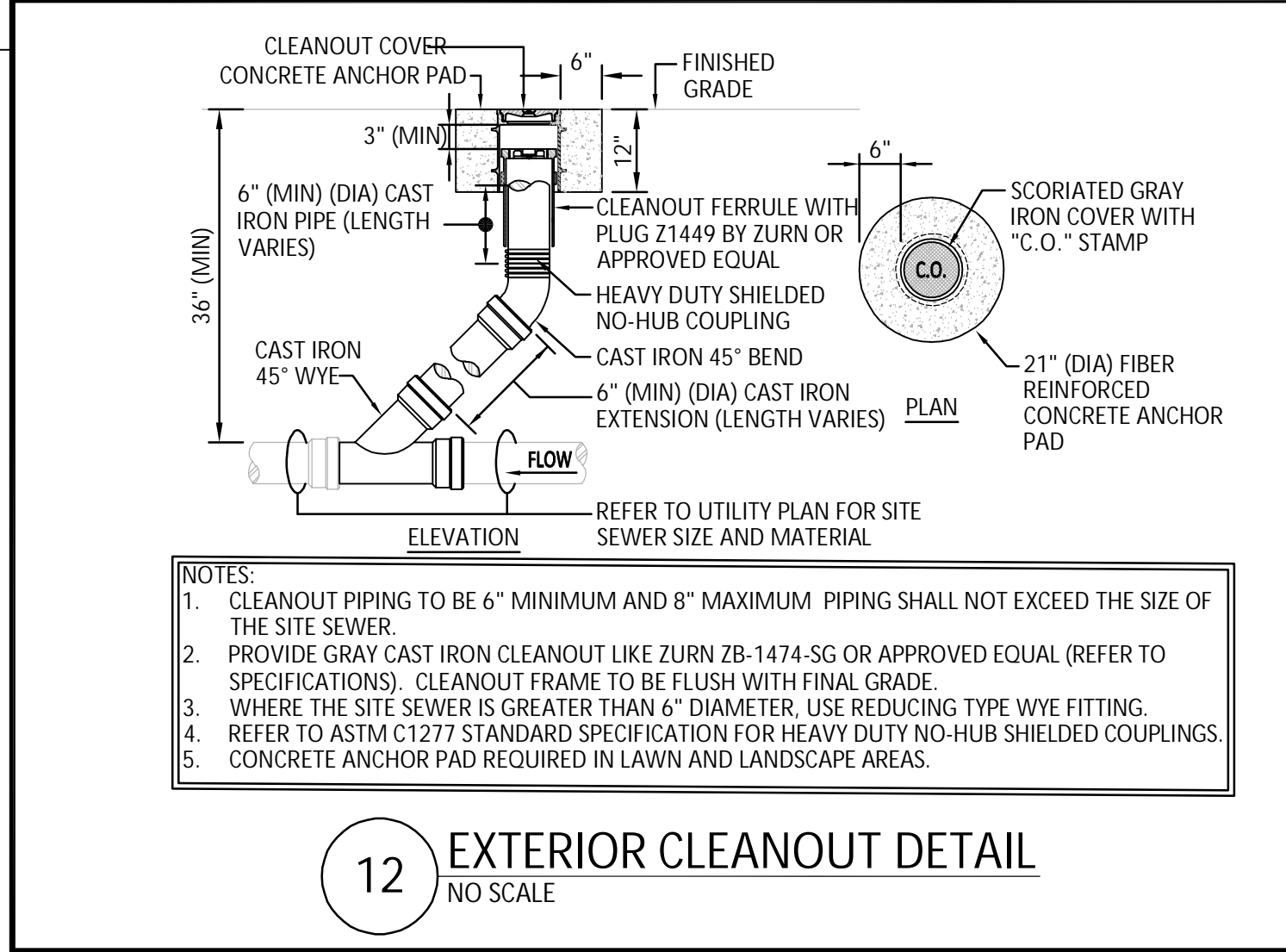
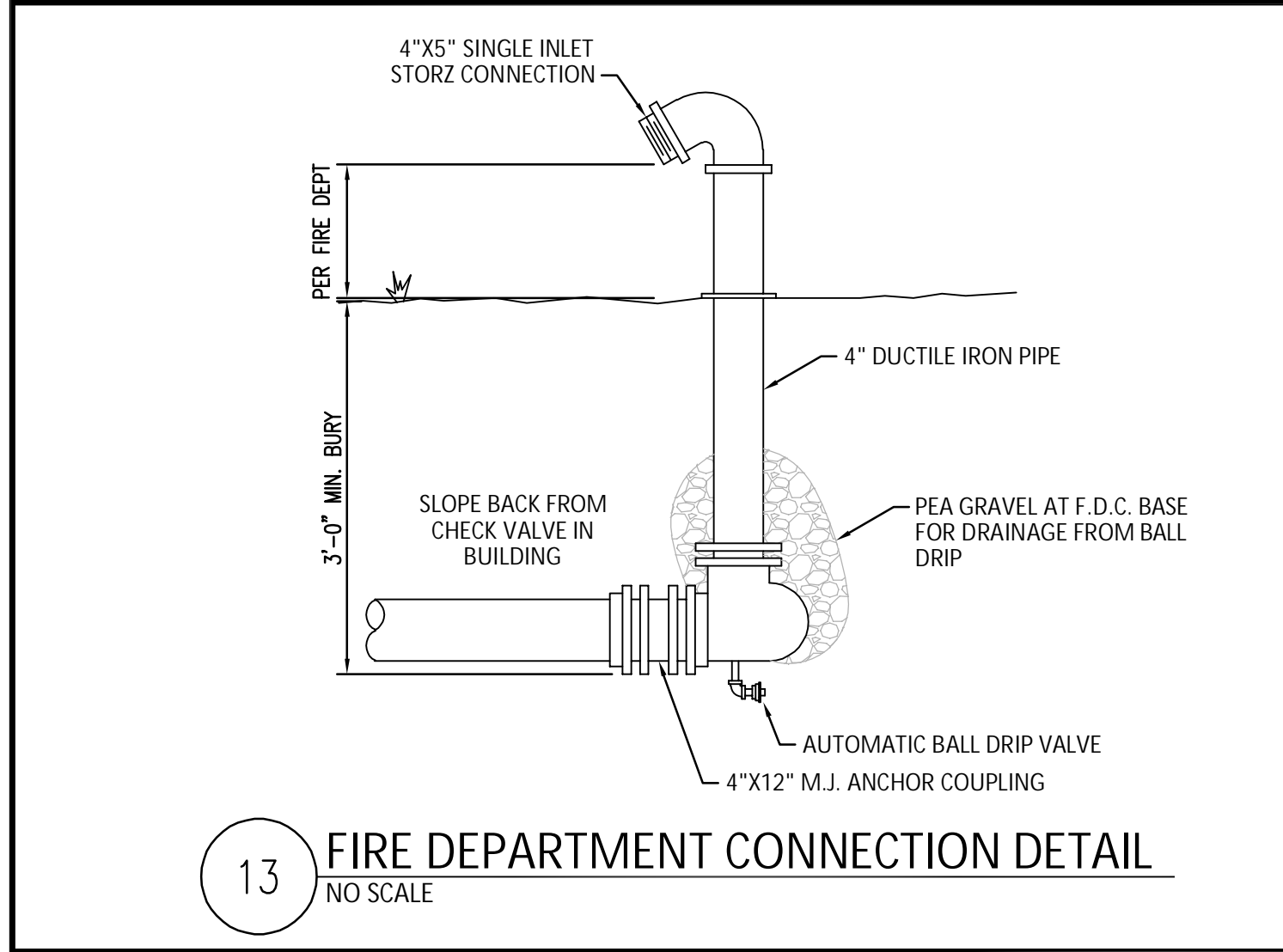
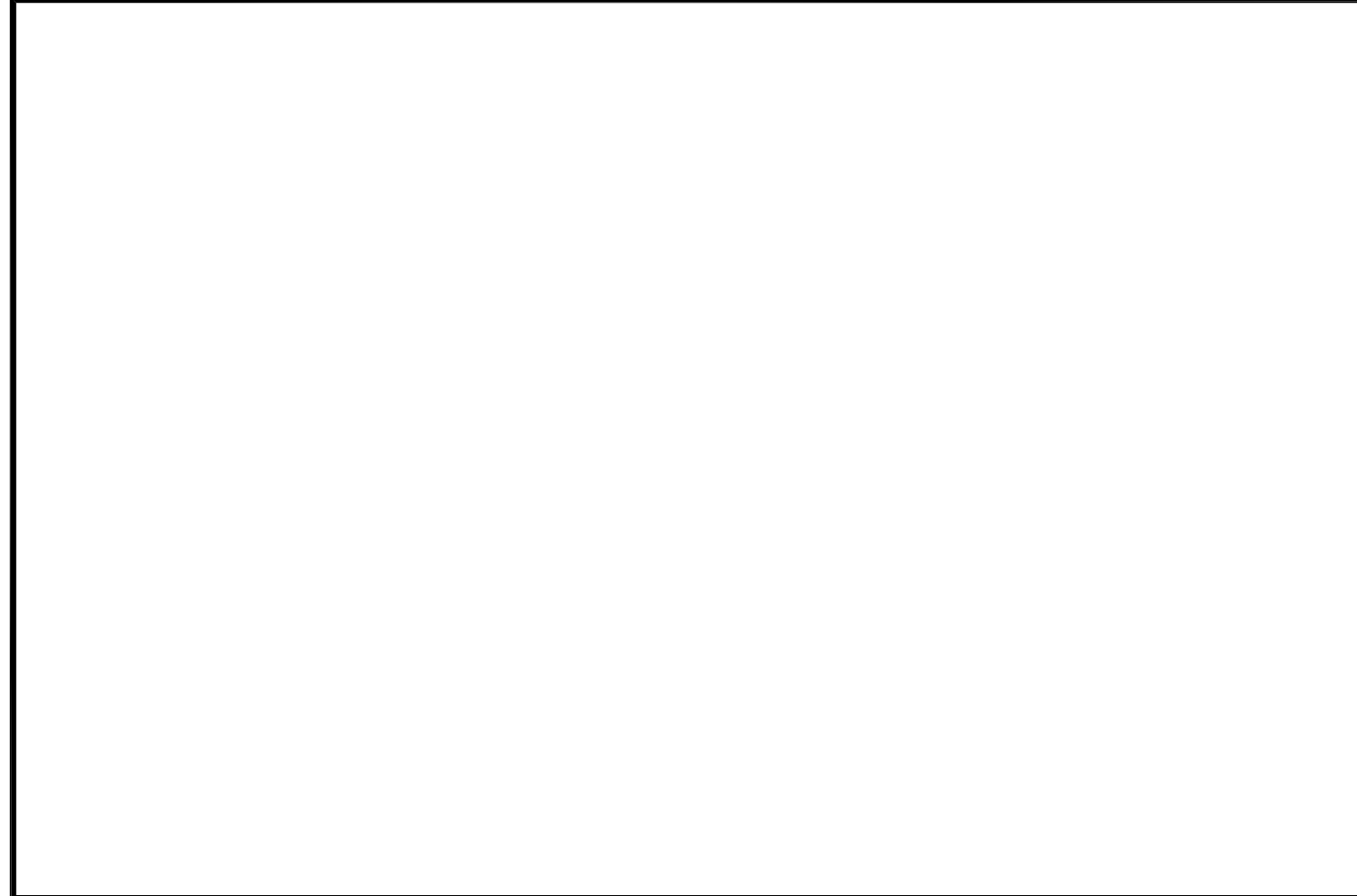
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SHEET TITLE

SITE UTILITY PLAN

C400

JPS Consulting Engineers - K:\Civl Projects\2024\24JPS083 McCordsville Community Center\Drawings\C410.dwg April 30, 2025 - 9:56 AM JNSwanson



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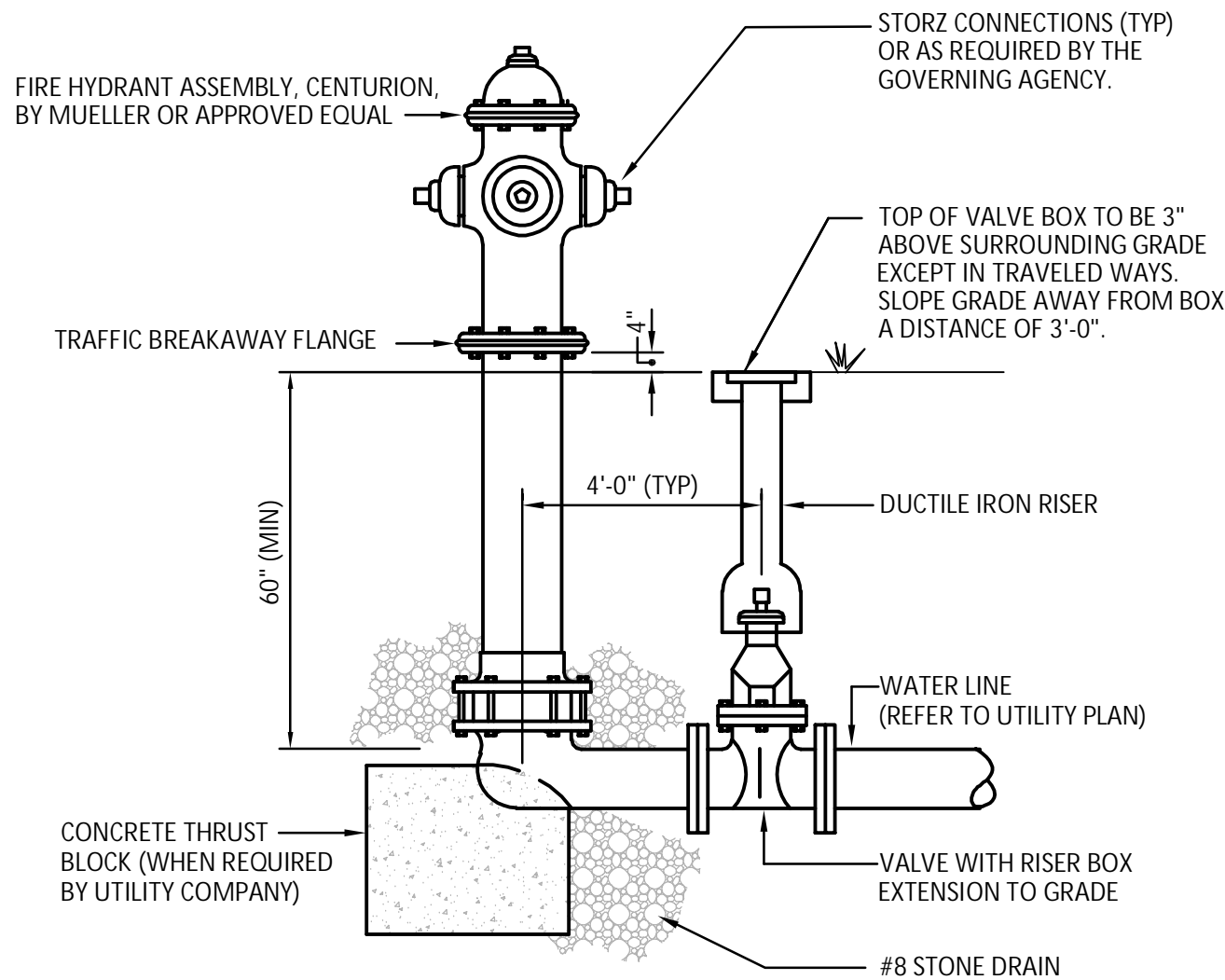
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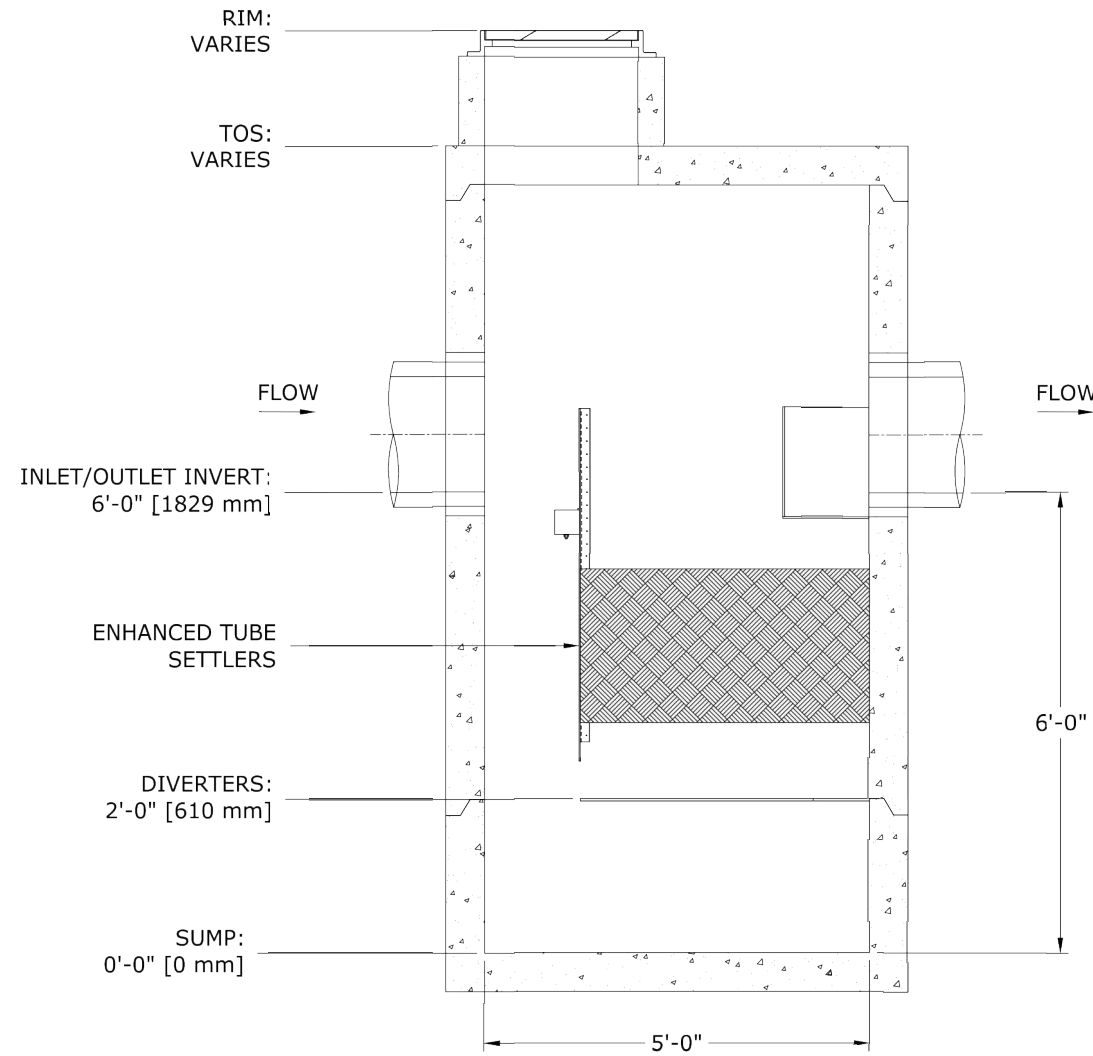
SITE UTILITY DETAILS

C410



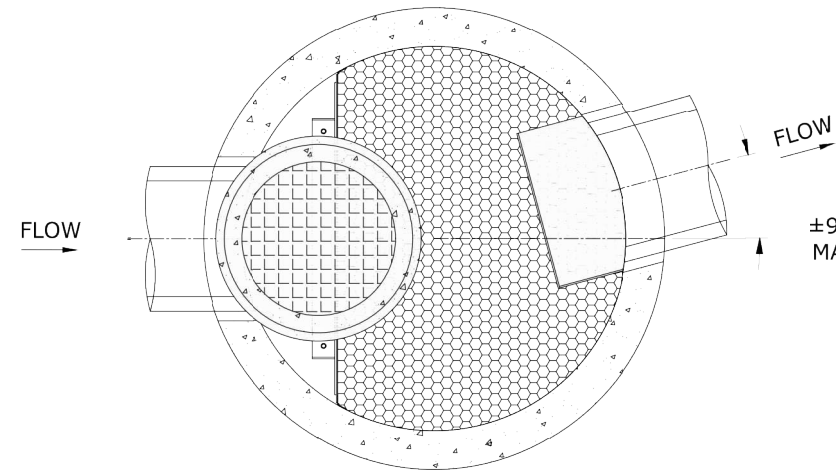
- NOTES:
- HYDRANTS SHALL CONFORM TO SPECIFICATIONS OF THE GOVERNING AGENCY (WATER UTILITY AND/OR FIRE DEPARTMENT).
 - CHECK WITH LOCAL WATER COMPANY AND/OR FIRE DEPT. FOR COLOR REQUIREMENTS.
 - HYDRANTS MUST BE CHECKED BY A LOCAL FIRE DEPT. REPRESENTATIVE PRIOR TO INSTALLATION.
 - INSTALLATION SHALL CONFORM TO NFPA 24.
 - COORDINATE VALVE-TURN DIRECTION WITH THE LOCAL WATER COMPANY AND/OR FIRE DEPARTMENT.
 - PROVIDE (4) 6\"/>
 - PROVIDE FLOW RATE (GPM) FOR ALL NEW HYDRANTS AND FIRE DEPARTMENT CONNECTIONS.

1 FIRE HYDRANT DETAIL
NO SCALE



ELEVATION VIEW
N.T.S.

DRAWINGS ARE FOR REFERENCE ONLY AND SHALL NOT BE USED FOR CONSTRUCTION PURPOSES.



PLAN VIEW
N.T.S.

SITE SPECIFIC DATA			
STRUCTURE ID	SSET-5		
WATER QUALITY FLOW RATE (CFS)	-		
PEAK FLOW RATE (CFS)	-		
SEDIMENT STORAGE CAPACITY (CF)	22.9		
RIM ELEVATION	-		
PIPE DATA	I.E.	MATERIAL	DIAMETER
INLET PIPE	-	-	30" OR LESS
OUTLET PIPE	-	-	30" OR LESS

- DESIGN NOTES:**
- DESIGN LOADING
 - LOAD RATING: AASHTO HS-20
 - ALLOWABLE COVER: 0.50' [152 mm] TO 5.00' [1524 mm]. CONTACT STORMTRAP FOR ADDITIONAL COVER OPTIONS.
 - WATER TABLE AT OR BELOW OUTLET PIPE INVERT ELEVATION.
 - NO LATERAL SURCHARGE FROM ADJACENT STRUCTURES SUCH AS VEGETATION, BUILDINGS, WALLS, OR FOUNDATIONS.
 - ENGINEER OF RECORD TO CONFIRM THE DESIGN LOADINGS MEET PROJECT REQUIREMENTS. CONTACT STORMTRAP FOR ALTERNATIVE DESIGN LOAD OPTIONS.

- GENERAL NOTES:**
- FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS, WEIGHTS, AND ACCESSORIES, PLEASE CONTACT YOUR STORMTRAP REPRESENTATIVE.
 - CONCRETE COMPONENTS SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM C478.
 - CONTRACTOR TO INSTALL THE STRUCTURE IN ACCORDANCE WITH ASTM C1821.
 - CONTRACTOR TO PROVIDE ALL LABOR AND EQUIPMENT REQUIRED TO OFFLOAD AND INSTALL UNIT.
 - CONTRACTOR TO PROVIDE AND INSTALL ALL PIPES, FRAMES, COVERS, HATCHES, AND RISERS UNLESS SPECIFIED OTHERWISE.
 - CONTRACTOR TO ADD JOINT SEALANT (PROVIDED BY STORMTRAP) BETWEEN ALL STRUCTURE SECTIONS.

StormSettler™
STORMSETTLER 5 STANDARD DETAIL

StormTrap®
PATENTS LISTED AT: (HTTP://STORMTRAP.COM/PATENT)
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DRAWN BY: TJF

DATE: 6/27/24

SCALE: N.T.S.

V1

SHEET 1 OF 1

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PROJECT NO:	24JPSC83
DATE:	4/30/2025
DRAWN BY:	CLM
CHK'D BY:	ADS
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SITE IMPROVEMENT PLAN

C500

