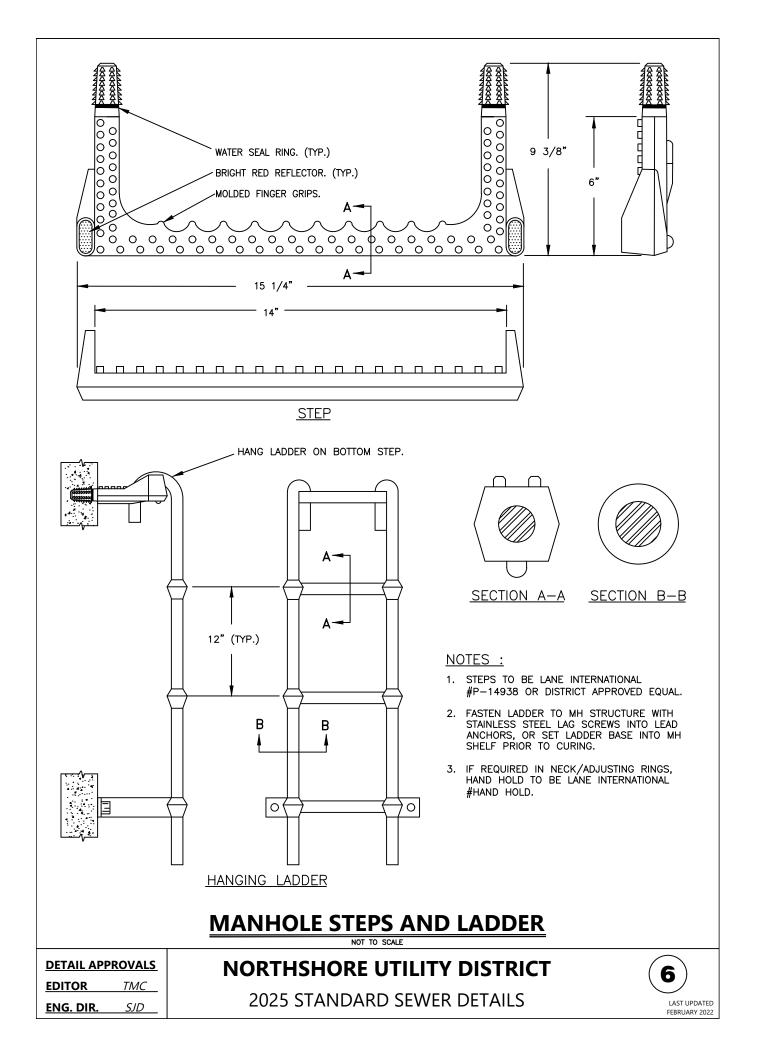
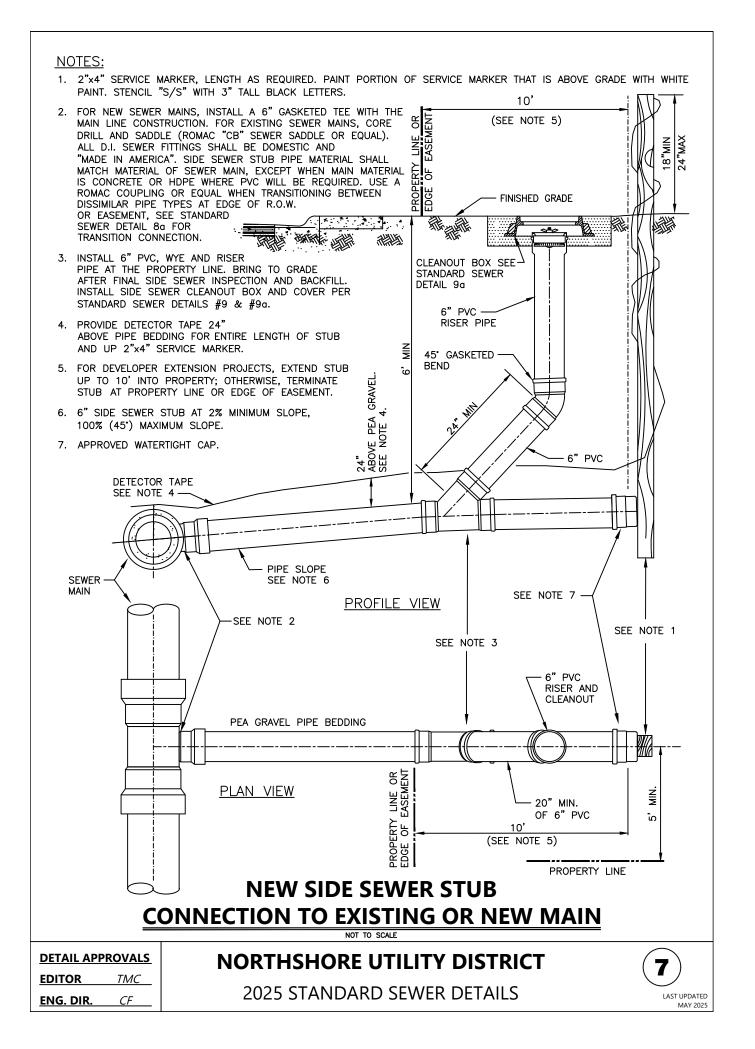


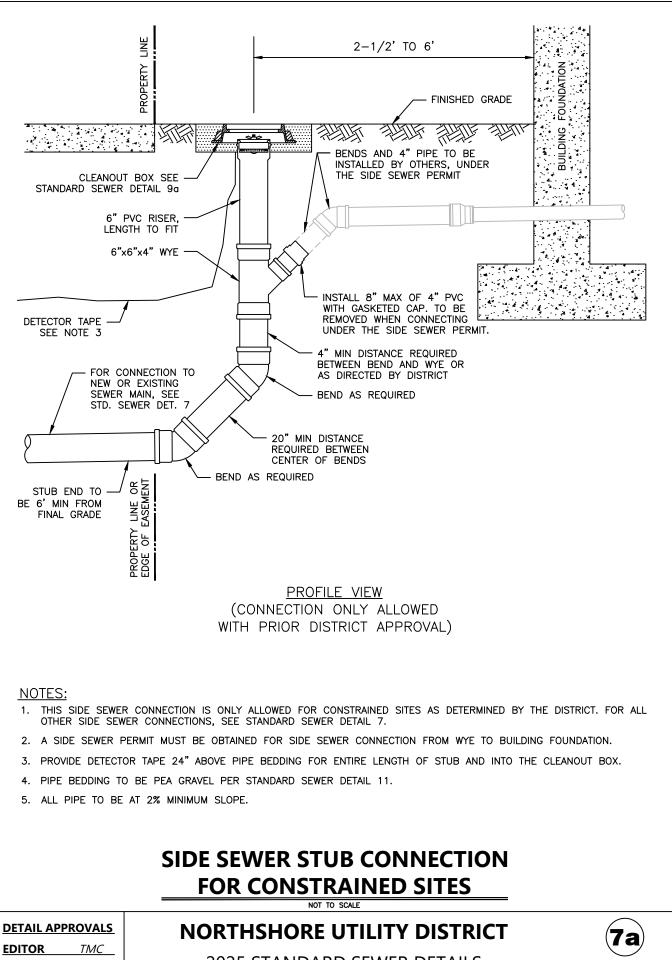
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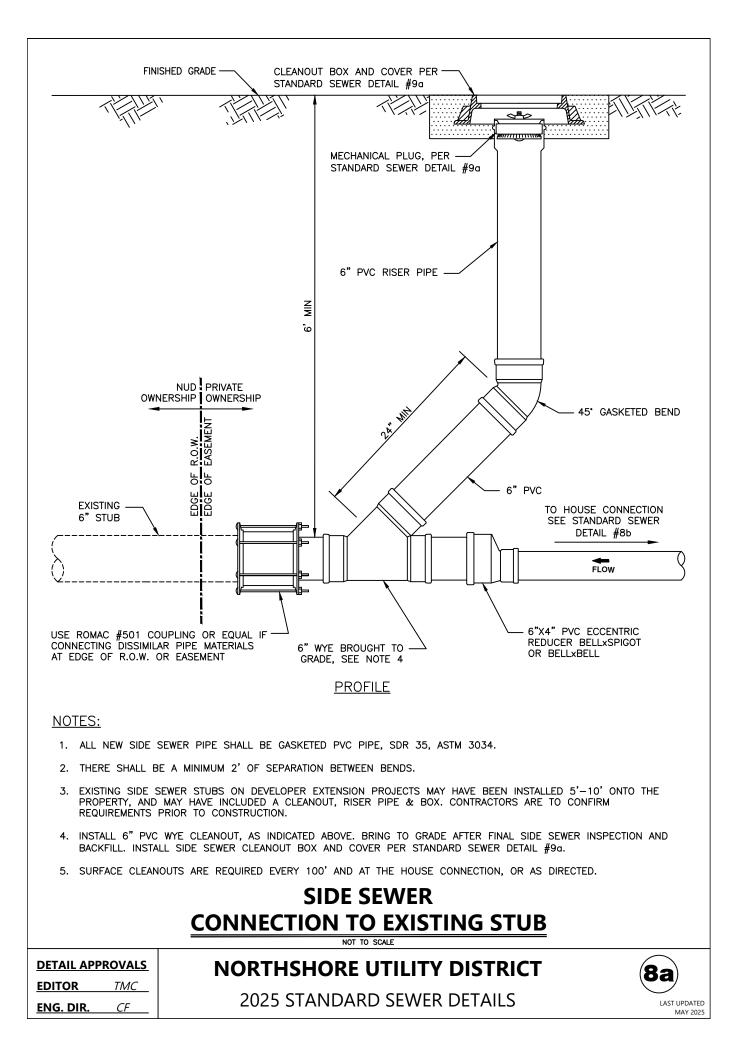


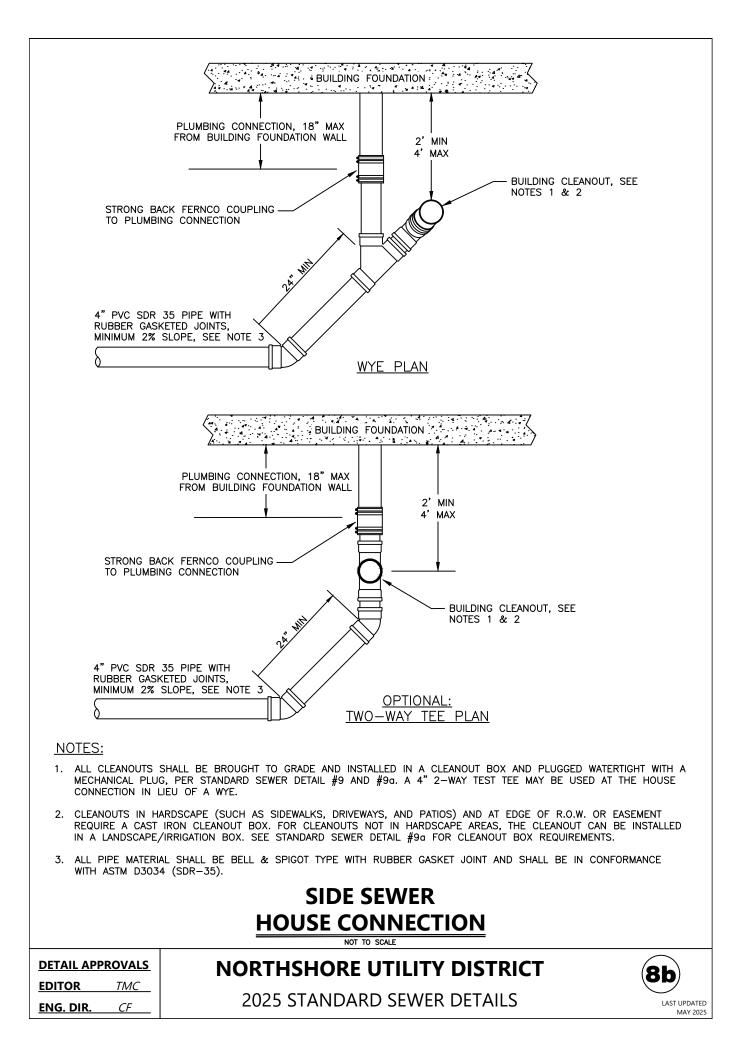


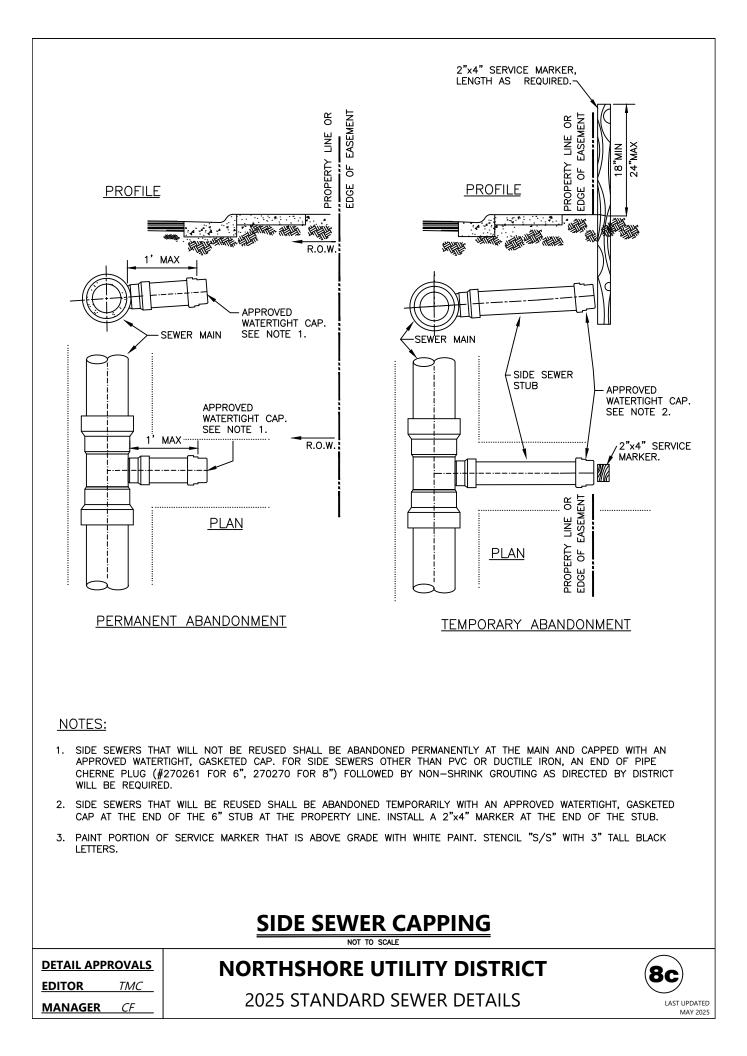
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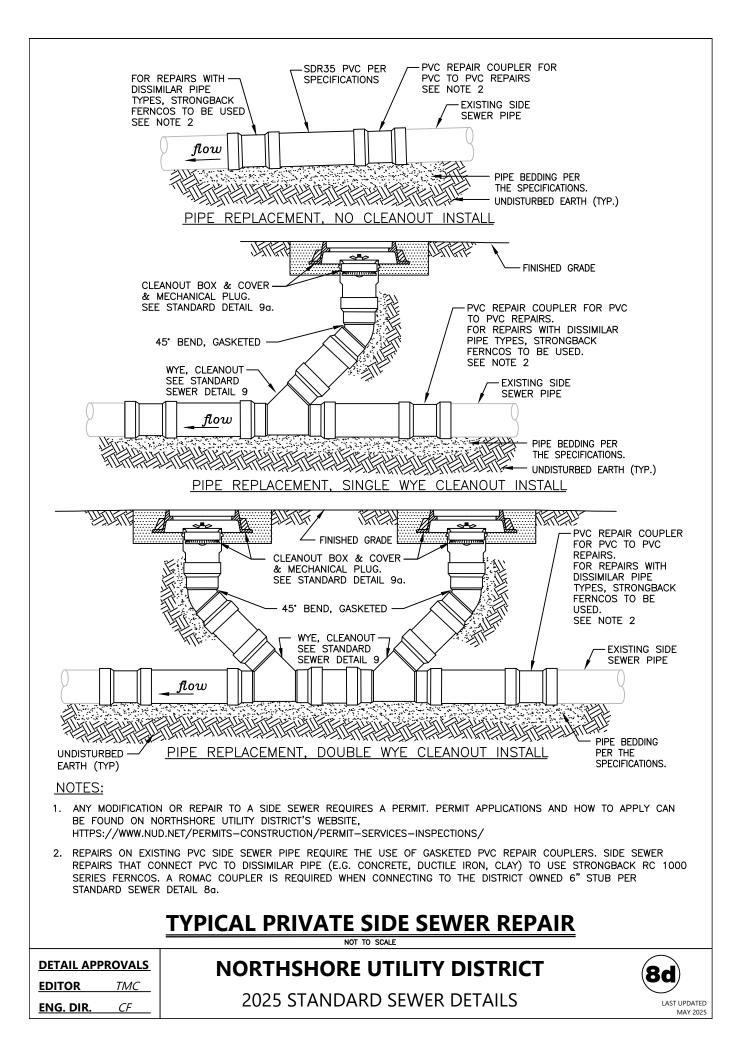
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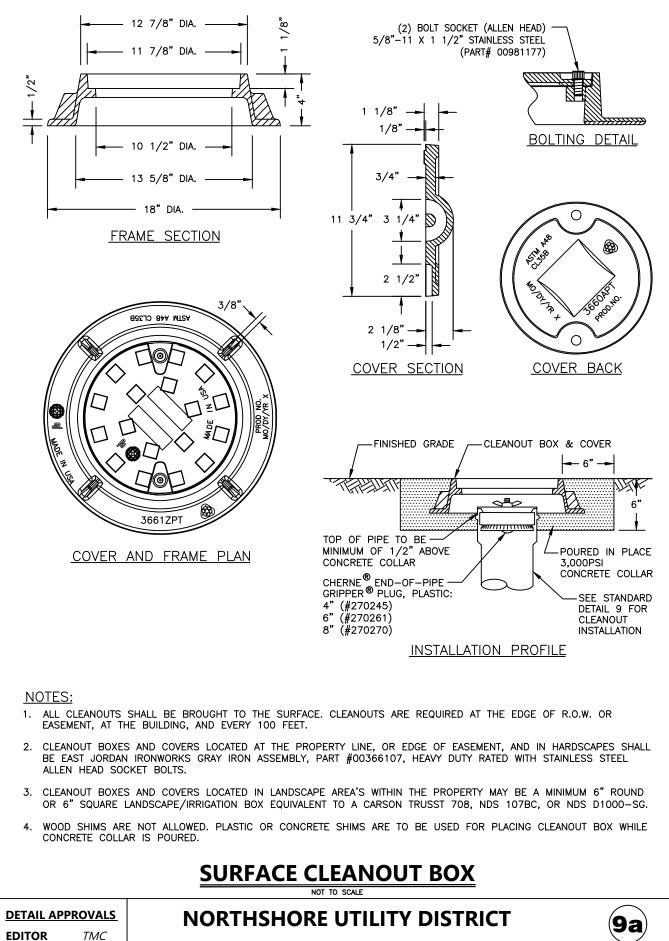






	FINISHED GRADE			
	NUD OWNERSHIP PRIVATE OWNERSHIP			
	CLEANOUT BOX & COVER			
	& MECHANICAL PLUG. SEE STANDARD SEWER			
	45° BEND,			
	GASKETED			
	GASKETED PVC RISER PIPE			
	6" PVC			
	0 th 6" PVC			
	WYE, INSTALLED UP			
	SEE NOTE 3			
	Flow			
	PIPE BEDDING PER THE SPECIFICATIONS.			
	UNDISTURBED EARTH (TYP.)			
WYE CLEANOUT AT EDGE OF R.O.W. OR EASEMENT				
	CLEANOUT BOX & COVER & MECHANICAL PLUG.			
	SEE STANDARD SEWER DETAIL 9a			
	45° BEND, GASKETED			
	SDR-35 GASKETED PVC RISER PIPE			
	INSTALLED UP 6" PVC			
SEE	APPROVED WATERTIGHT PLUG OR CONTINUED PIPE.			
	PIPE BEDDING PER THE SPECIFICATIONS.			
NOTEO	UNDISTURBED EARTH (TYP.)			
NOTES:	WYE CLEANOUT ON PROPERTY			
1. ALL CLEANOUTS SHALL BE BROUGHT TO THE SURFACE. CLEANOUTS ARE REQUIRED AT THE EDGE OF R.O.W. OR EASEMENT, AT THE BUILDING, AND EVERY 100 FEET.				
2. CLEANOUTS LOCATED IN HARDSCAPE AND AT THE EDGE OF R.O.W. OR EASEMENT REQUIRE A CAST IRON CLEANOUT BOX PER STANDARD SEWER DETAIL 9a.				
	R CONNECTION AT THE MAIN LINE STUB SHALL BE PER STANDARD SEWER DETAILS 7 & 8 $_{ m O}$. PIPE SIZE " UNTIL UPSTREAM OF THE WYE CLEANOUT AT EDGE OF R.O.W. OR EASEMENT.			
4. RISER PIPE SHALL BE PERPENDICULAR TO CLEANOUT BOX COVER AND CENTERED WITHIN CLEANOUT BOX. RISER PIPE FOR CLEANOUTS AT EDGE OF R.O.W. OR EASEMENT SHALL MATCH THE SIZE OF THE DISTRICT OWNED STUB. RISER PIPE FOR CLEANOUTS WITHIN PROPERTY ARE TO BE MINIMUM 4".				
 ALL PIPE MATERIAL SHALL BE BELL & SPIGOT TYPE WITH RUBBER GASKET JOINT AND SHALL BE IN CONFORMANCE WITH ASTM D3034 (SDR-35). 				
SIDE SEWER SURFACE CLEANOUT				
	NOT TO SCALE			
DETAIL APPROVALS	NORTHSHORE UTILITY DISTRICT (9)			
EDITOR TMC ENG. DIR. CF	2025 STANDARD SEWER DETAILS			
<u></u>	MAY 2025			

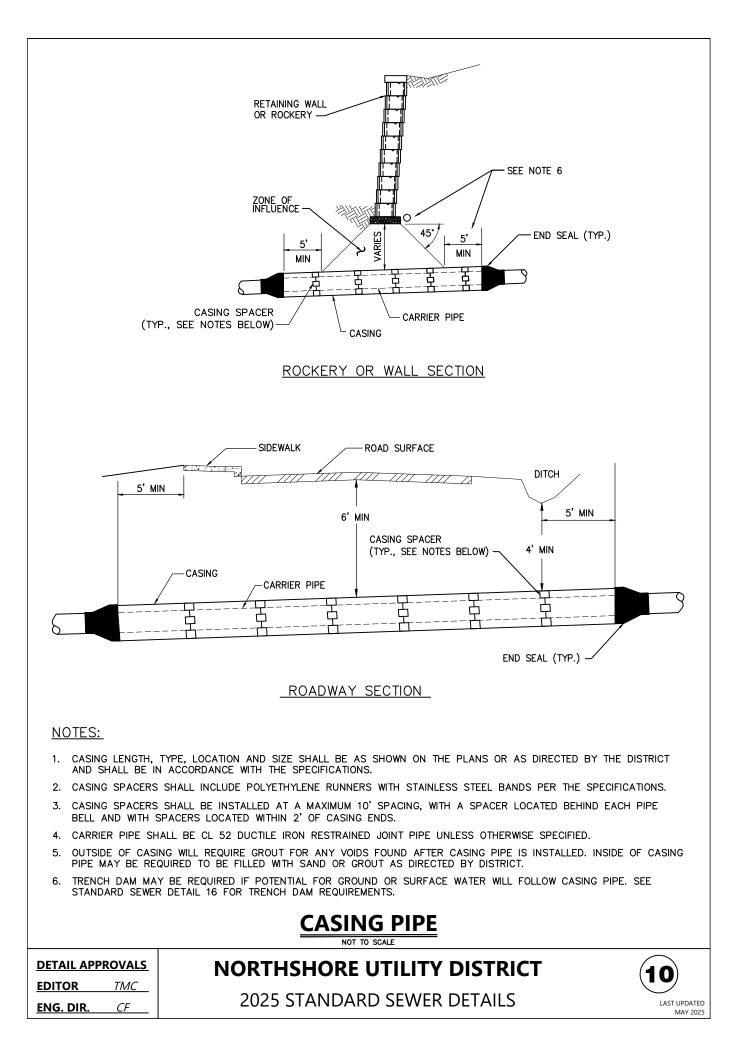
LAST UPDATED MAY 2025

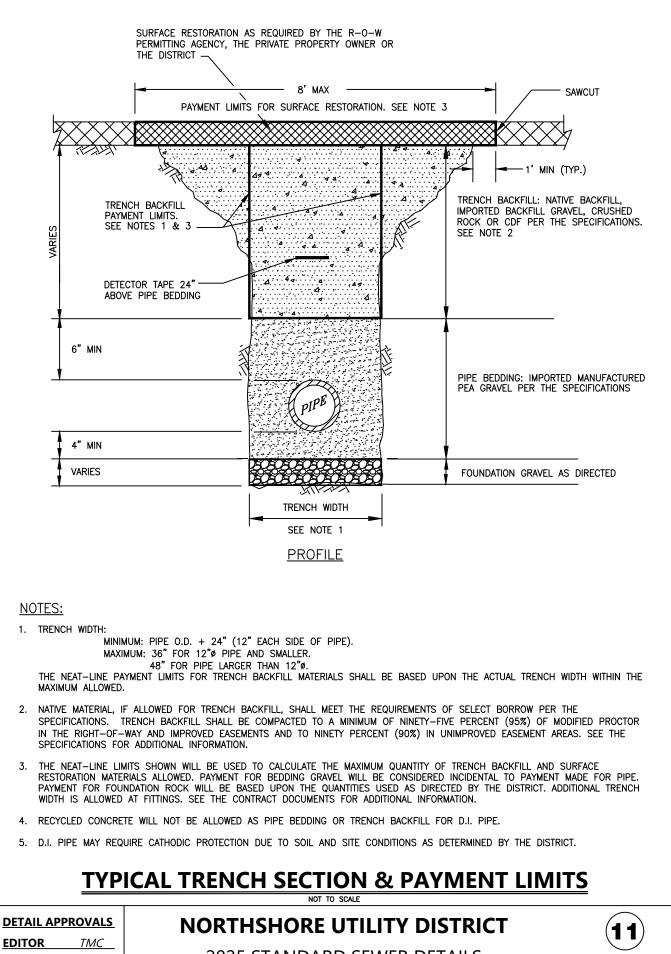


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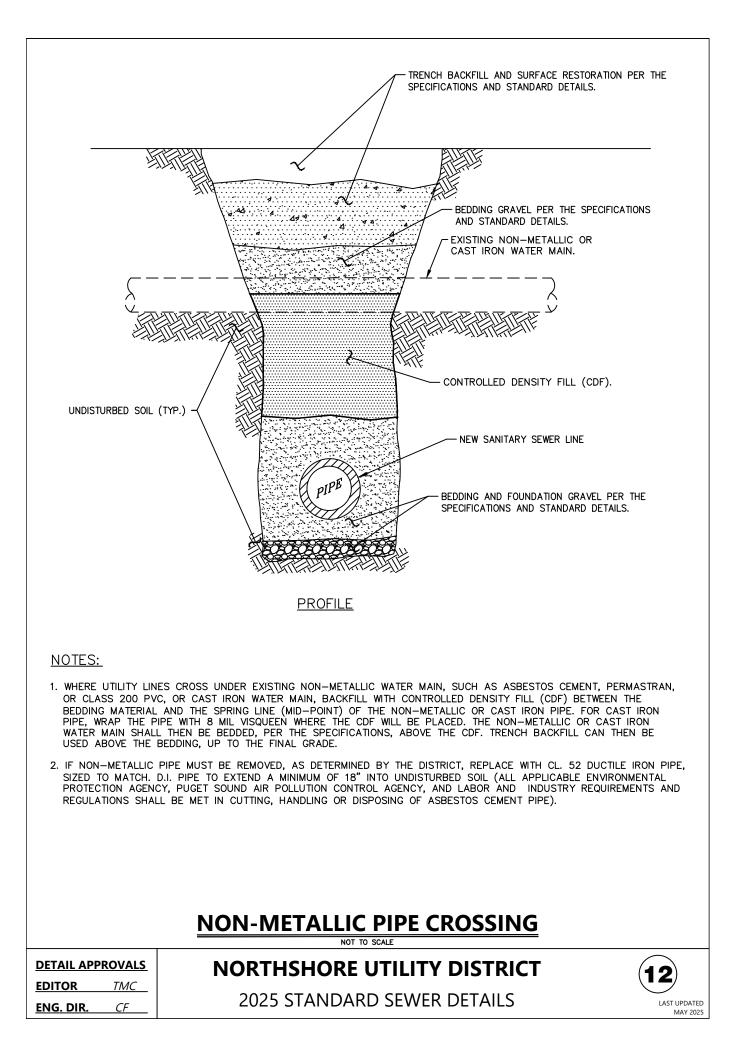


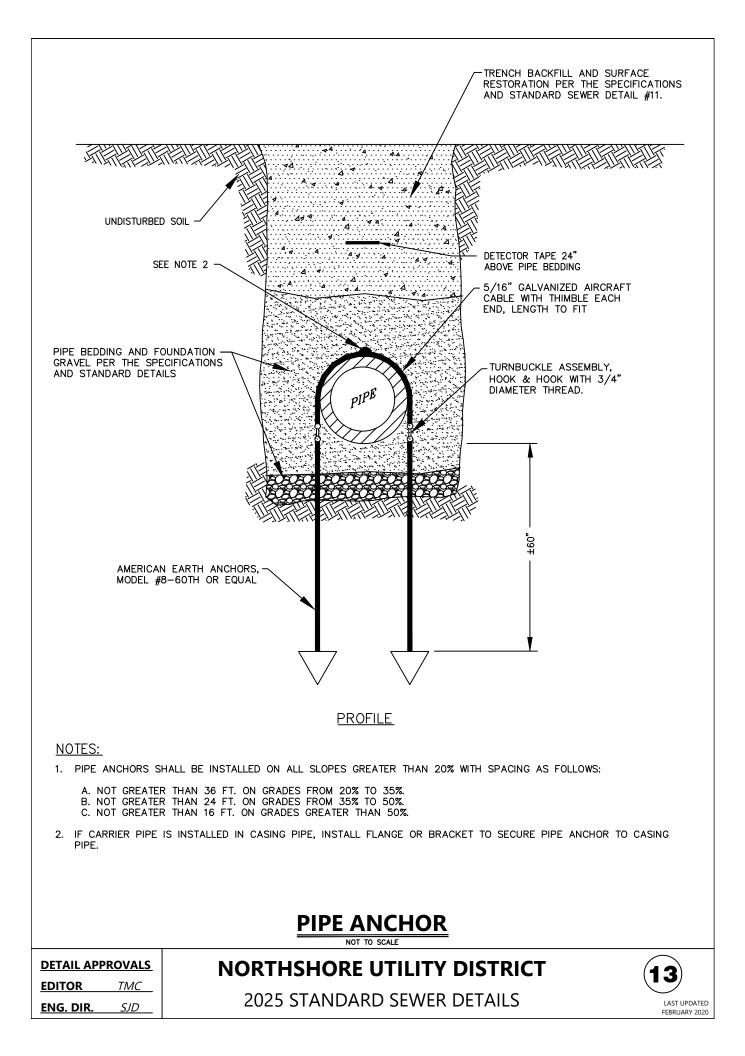


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CODES WATER 4" JUNCTION- BOX INFLUENT HUB FOR PIPING (4" STANDARD) FROM THE HOUSE 2' MIN 12" MIN 6" MIN 6" SF	UT SEAL (1", NDT) TO MEET SAND PREVENT SURFACE FROM ENTERING BOX 2'-4" DIA 			
NOTES:	TO WET WELL			
HYDROMATIC HPG-20	<u>CONTROL PANEL</u> DO COMPLETE PACKAGED SEWER GRINDER LIFT STATION PRO SYSTEM) TO INCLUDE THE FOLLOWING:			
1. GRINDER PUMP	WITH 2HP SUBMERSIBLE SINGLE PHASE MOTOR (ADEQUATE FOR SINGLE RESIDENCE UP TO 100' HEAD			
AT 5" IMPELLER	DIA.) DAT TYPE MERCURY SWITCHES FOR LEVEL CONTROL			
	CH FOR ALARM CONTROL			
4. 1" NPT MALE CONDUIT OUTSIDE OF SUMP FOR CONTROL WIRING				
 DISCHARGE PIPING SHALL INCLUDE A CHECK VALVE, A GATE VALVE AND NPT FEMALE CONNECTION OUTSIDE OF SUMP (DIA. PER PRESSURE PIPE DIA.) 				
6. INFLUENT PIPING SHALL PROVIDE HUB FOR PVC PIPE OUTSIDE OF SUMP (DIA. PER SIDESEWER DIA.)				
7. FIBERGLASS SUMP BASIN 24" I.D. x 5'-0" HIGH (PER BULLETIN SPG-604 (HYDROMATIC OR EQUAL))				
8. NEMA 3R LOCKING CONTROL PANEL WITH GENERATOR HOOK-UP, MOUNTED OUTSIDE ON HOUSE WALL				
9. RED ALARM LIGHT PANEL, MOUNTED OUTSIDE ON HOUSE WALL				
10. SEE ADDITIONAL INFORMATION PER STANDARD SEWER DETAIL 14c GENERAL NOTES				
SINGLE FAMILY GRINDER PUMP STATION HYDROMATIC				
DETAIL APPROVALS	NORTHSHORE UTILITY DISTRICT			
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LAST UPDATED APRIL 2021

	WALL MOUNTED NEMA 4X
DISCONNECT (EQD) — 4"	NISHED GRADE TO BE 1" TO BELOW REMOVABLE LID AND LOPE AWAY FROM STATION
	WET WELL VENT
	CONDUIT - 1" OR 14" 24" MIN COVER
	BUTTOM AND BE SEALED
1 1/4" FEMALE PIPE THREAD, 1 1/4" PACK JOINT COUPLING MIPXPACK, FORD C86-55. STIFFENER INSERT (POLY PIPE)	POWER AND ALARM CABLE
	27 MIN - FROM THE HOUSE
SIDR 7, 250 PSI POLYETHYLENE PIPE, SEE DETAIL 14d "TYPICAL DISCHARGE PIPING"	4" PVC GRAVITY SEWER, PER THE SPECIFICATIONS
	6" MINIMUM DEPTH BEDDING MATERIAL, PER THE SPECIFICATIONS
GRINDER PUMP	PROFILE
NOTES:	
ENVIRONMENTAL ONE (E-ONE) DH071 COMPLETE PAC	KAGED SEWAGE GRINDER PUMP STATION TO INCLUDE THE FOLLOWING:

- 1. ONE SIMPLEX GRINDER PUMP WITH 70 GAL CAPACITY AND HDPE BASIN (ADEQUATE FOR SINGLE RESIDENCE)
- 2. ASSEMBLED IN THE BASIN NEMA 6P ELECTRICAL QUICK DISCONNECT, PUMP REMOVAL SYSTEM, STAINLESS STEEL DISCHARGE ASSEMBLY/SHUT-OFF VALVE, AND ANTI-SIPHON VALVE/CHECK VALVE
- 3. NEMA 4X ALARM PANEL EQUIPPED WITH CIRCUIT BREAKERS AND NECESSARY INTERNAL WIRING CONTROLS
- 4. DISCHARGE PIPING SHALL INCLUDE FEMALE PIPE THREAD FOR PRESSURE PIPE CONNECTION (DIA. PER PRESSURE PIPE DIA, 1¼" MIN)
- 5. INFLUENT PIPING SHALL PROVIDE INLET GROMMET FOR SDR 35 PVC PIPE (DIA. PER SIDESEWER DIA.)
- 6. ALARM PANEL, INCLUDING RED ALARM LIGHT AND GENERATOR RECEPTACLE, MOUNTED OUTSIDE ON HOUSE WALL
- 7. SEE ADDITIONAL INFORMATION PER STANDARD SEWER DETAIL 14c GENERAL NOTES

SINGLE FAMILY GRINDER PUMP STATION E-ONE

NOT TO SCALE

 DETAIL APPROVALS

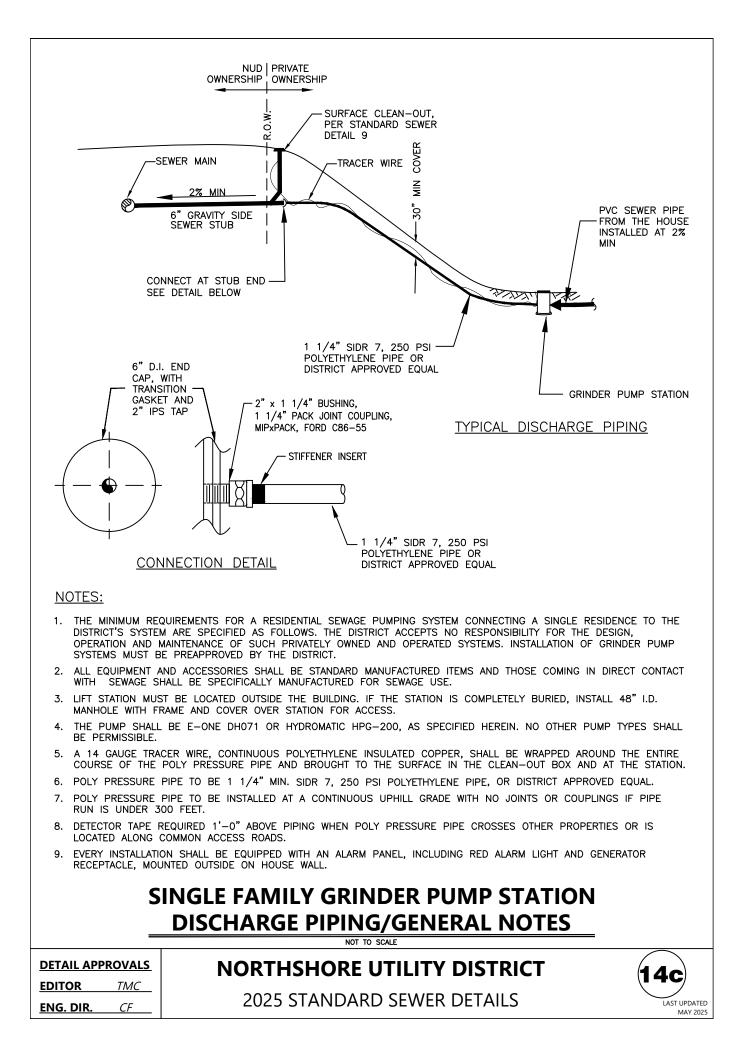
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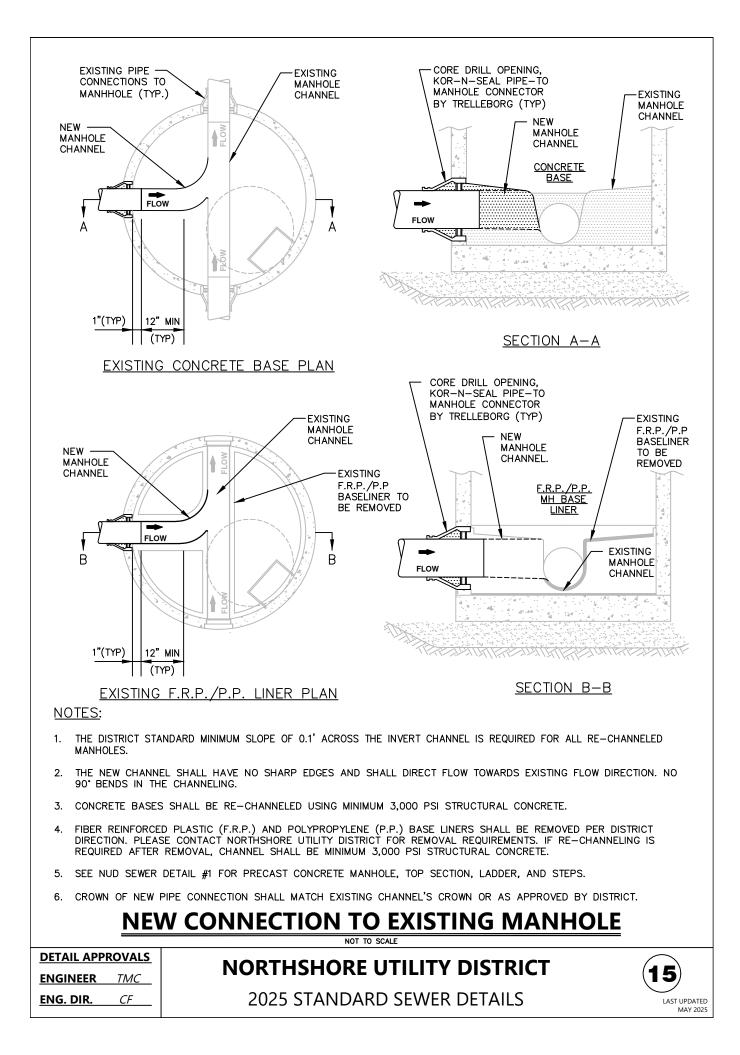
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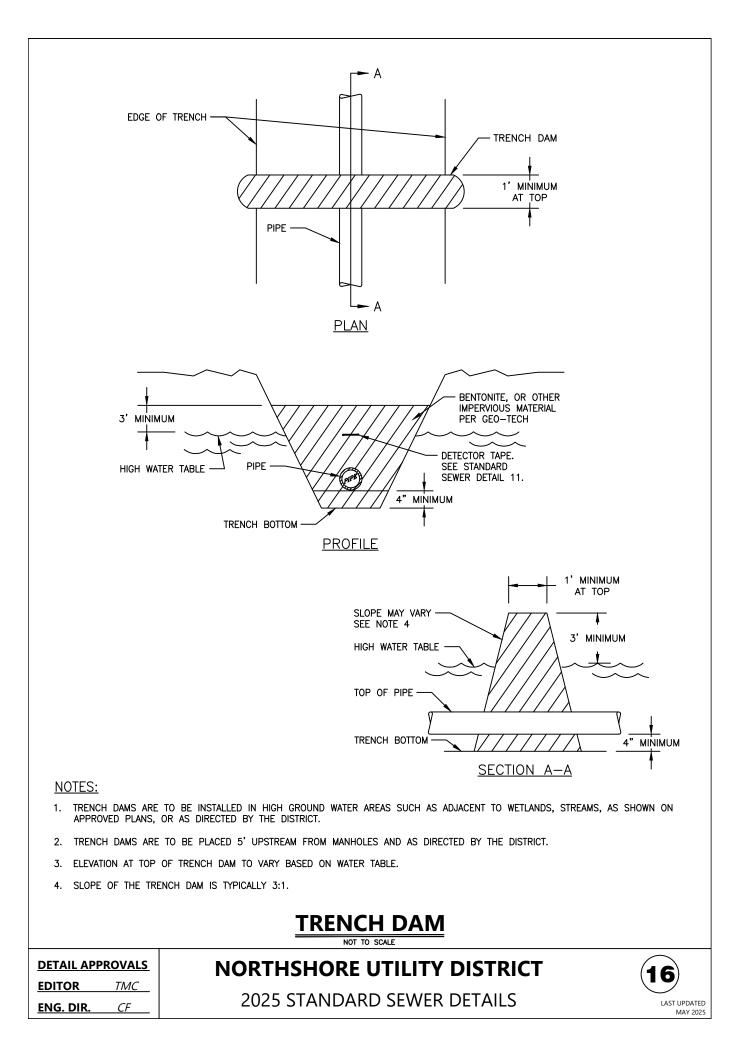
NORTHSHORE UTILITY DISTRICT



2025 STANDARD SEWER DETAILS







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