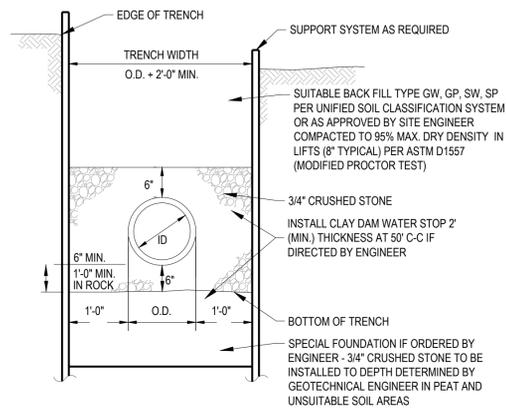


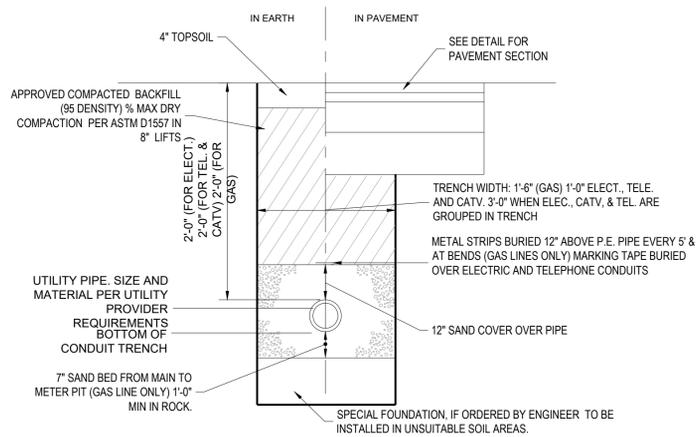
NOTE:  
 1. FIRE LINE PIPING AND SERVICE PIPING > 3" I.D. TO BE CLASS 53 DUCTILE IRON WITH RESTRAINED JOINTS 40 FT. EACH SIDE OF ALL FITTINGS, ELBOWS AND APPURTENANCES. DOMESTIC PIPING < 3" I.D. TO BE TYPE K COPPER PER ASTM B 88.

2. NOTE: PIPING TO BE HYDROSTATIC TESTED 2 HOURS @ 100 PSI. OVER NORMAL OPERATING PRESSURE AFTER INSTALLATION

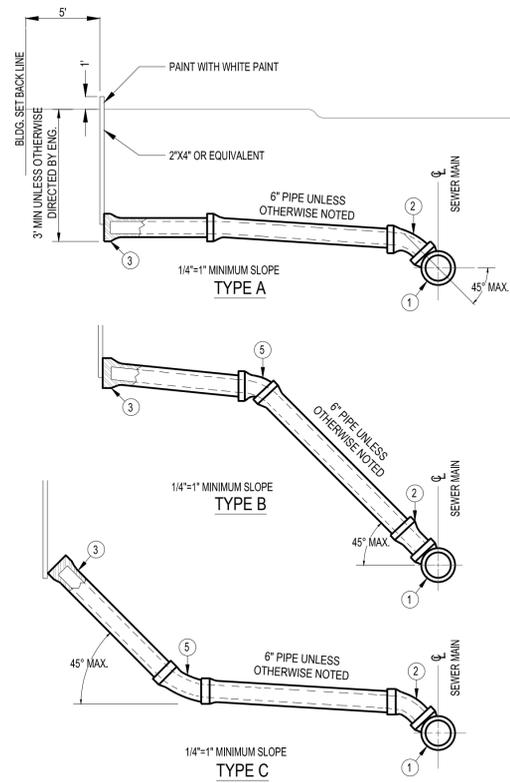
TYPICAL WATER MAIN & SERVICE TRENCH DETAIL  
 NTS



TYPICAL SANITARY SEWER TRENCH SECTION  
 NOT TO SCALE

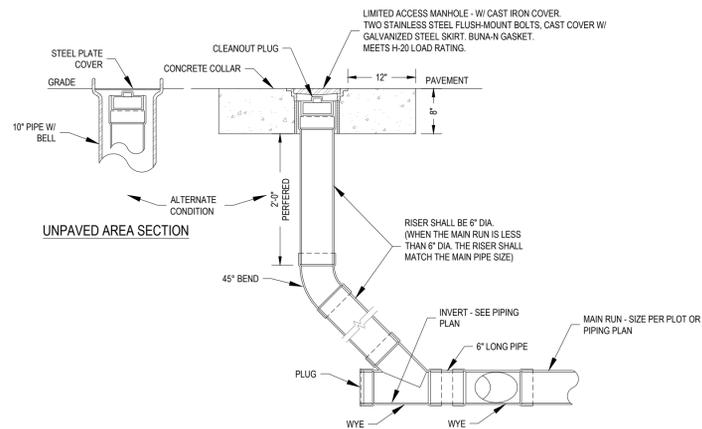


ELECTRICAL, TELEPHONE AND GAS TRENCH  
 NOT TO SCALE



- 6" TEE OR WYE-ROTATE 45° FROM HORIZONTAL UNLESS OTHERWISE SPECIFIED.
- 6" 1/8 BEND OR 1/16 BEND AS NECESSARY.
- CAP UNLESS JOINING EXISTING HOUSE CONNECTION.
- BED PIPE WITH 4" GRANULAR MATERIAL AND BACKFILL WITH GRANULAR MATERIAL TO 12" ABOVE PIPE.
- EXACT RECORD OF BEND LOCATIONS MUST BE MADE, AS TO DEPTH FROM SURFACE AND DISTANCE FROM CENTER LINE OF SEWER, BACKFILL IS PLACED.
- WHEN USING CHEMICAL WELD JOINTS, A RUBBER FITTING MUST BE USED EVERY 50'.

SANITARY LATERAL CONNECTIONS  
 NTS



PIPE CLEANOUT  
 NTS



Date	Revisions/Submissions	No.
06/28/19	CITY COMMENTS	
05/27/19	DRG SUBMITTAL	
05/24/19	PERMIT SET	
05/02/19	OWNER REVIEW	

VALVOLINE INSTANT OIL CHANGE  
 2370 EAST MAIN STREET  
 PLAINFIELD, IN 46168

© 2019 CESO, INC

Project No.	756165
Scale	AS NOTED
Drawn	JMJ
Checked	JTF
Date	06-28-19
Drawing Title	

UTILITY PLAN  
 DETAILS

Drawing No. C6.1