

D.10S

DROP MANHOLE NOTES:

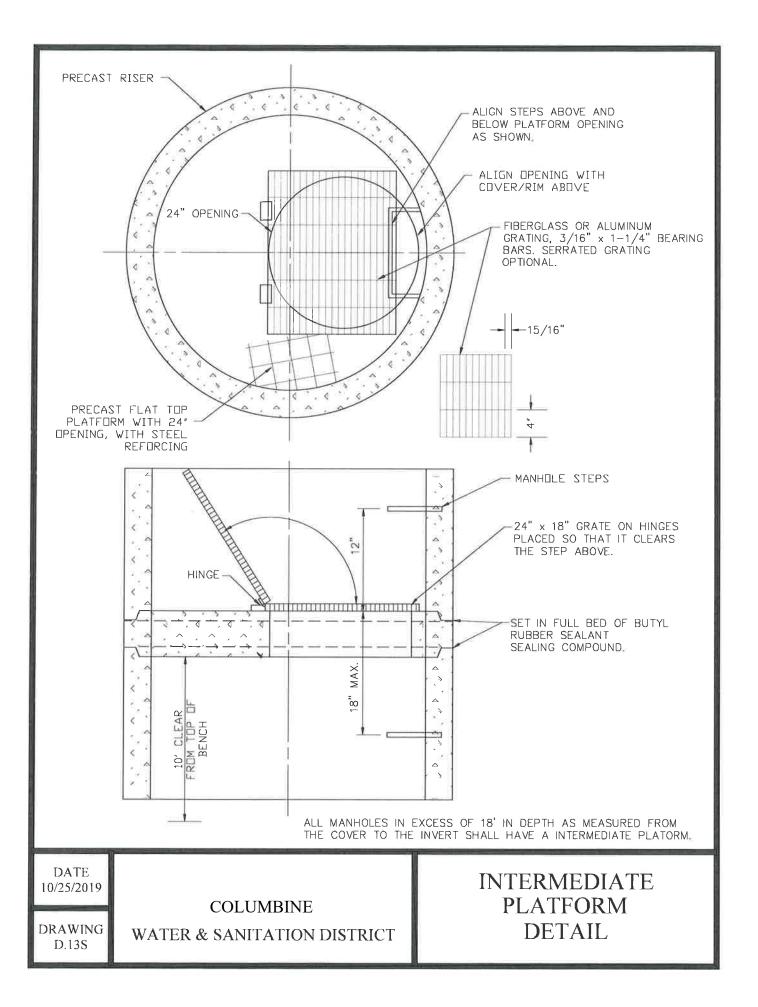
- ALL PIPE AND FITTINGS TO BE ASTM D3034, F679 AND DISTRICT APPROVED. PIPE 12" AND LARGER SHALL BE CONSTRUCTED WITH SDR 26 PIPE AND FITTINGS.
- 2. DIAMETER OF THE DROP PIPE SHALL NOT BE LESS THAN MAIN LINE PIPE DIAMETER.
- FOR 18" DIAMETER AND LARGER, OUTSIDE DROP SHALL BE A SPECIAL DESIGN AND DISTRICT APPROVED PRIOR TO REVIEW SUBMITTAL.
- A KOR-N-SEAL BOOT SHALL BE USED FOR THE CONNECTIONS IN A PRECAST MH A WATER STOP GASKET AROUND THE PIPE SHALL BE USED IN A CAST IN PLACE (CIP) BASE AND SHALL BE DISTRICT APPROVED. OUTSIDE DROP SHALL BE ALL OF ONE MATERIAL AND SIZE.
- FLOW FILL ENCASEMENT SHALL BE A MINIMUM OF 8" THICK ALL AROUND.
- PIPE DIMENSIONS ARE APPROXIMATE AND MAY VARY FROM ONE MANUFACTURER TO ANOTHER.
- FOR CIP BASE MH WITH EXTENDED BASE
- EXTEND #4 BAR PATTERN INTO EXTENSION, FOR CIP EXTENSION TO PRECAST MH BASE, USE #4 DOWELS X 22"LG (4" EMB) AND #4 @ 12 EW MAT. BASE THICKNESS TO MATCH THE PRECAST MH BASE THICKNESS, 8" MIN. BASE DIMENSIONS TO SUPPORT ENCASEMENT.
- 10 ALL REQUIRED WALL OPENINGS SHALL BE PRECAST BLOCK-OUTS OR CORE DRILLED. JACK HAMMERING OF OPENINGS IS NOT ALLOWED.
- 11. EXCEEDING THE MAXIMUM ALLOWABLE DROP NOTED, SHALL BE APPROVED BY THE DISTRICT PRIOR TO THE REVIEW SUBMITTAL.
- 12. ALL DROP MANHOLES SHALL BE LINED WITH SPECTRA SHIELD OR APPROVED EQUAL

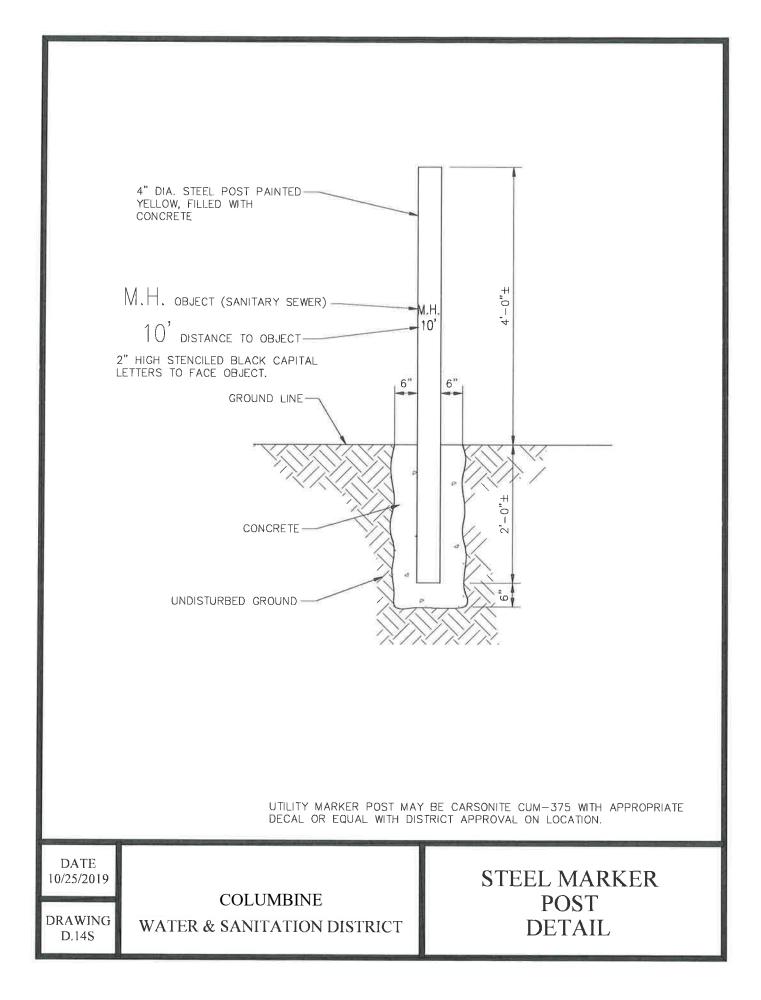
DETAIL

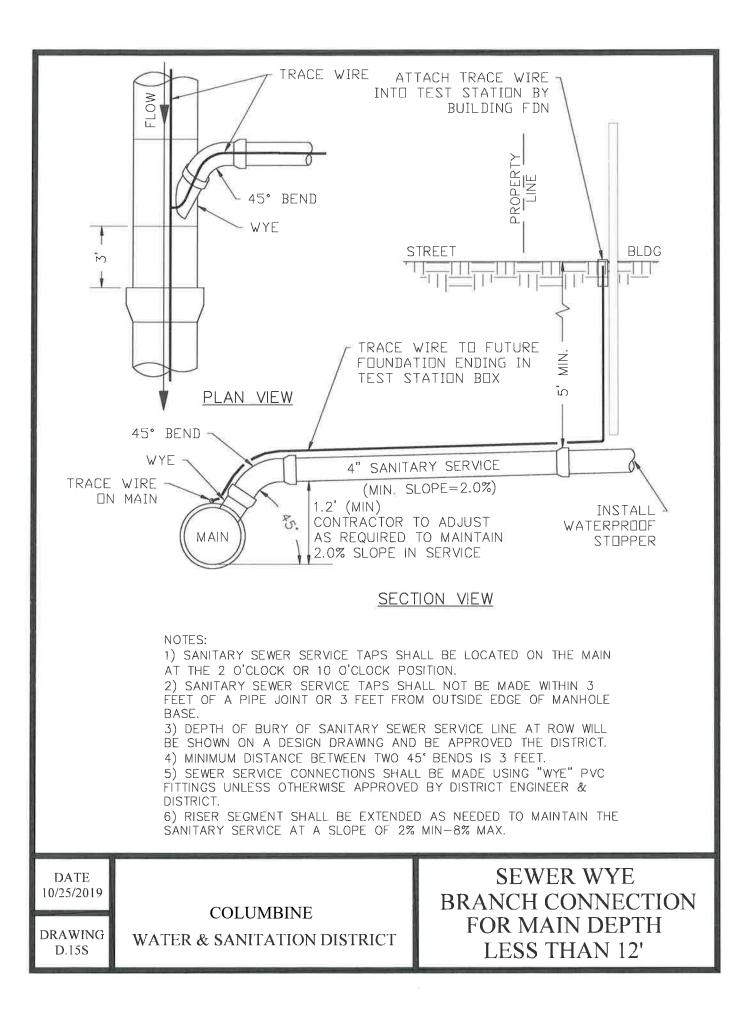
MENSIONS (NOMINAL)		A (INCHES)				B (INCHES)				Y <sub>d</sub> (INCHES)				Y₅ (INCHES)			
PE DIAMETER NCHES)		10	12	15	8	10	12	15	8	10	12	15	8	10	12	15	
NIMUM DROP GREATER AN	42	47	49	65	41	43	51	61	31	37	39	55	18	18	22	28	
ATE 25/2019		MB	INIF					N	_		-	DE JE F					

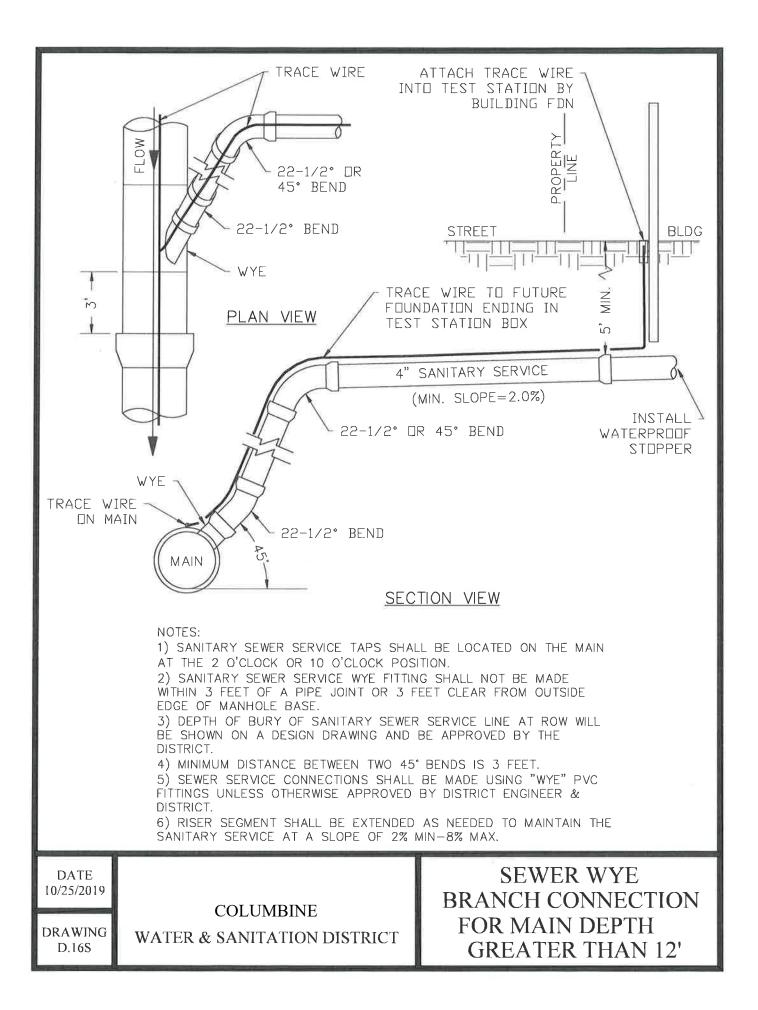
NOTES NOTES NOTES NON SAN CONNEC SANITAF 10 O'CL SANITAF 10 O'CL THE MIN 3 FEET. 4. THE MIN 3 FEET.	NTARY SEWER TAPPING INSTALLATIONS, TAPPING INTO 2 0 0 000 000 000 000 000 000 000 000 0	ED. POSITIONED AT EITHER 2 O'CLOCK OR WER MAIN. TIONS MADE ALONG THE PIPE SHALL BE 3 FEET. LL OR SPIGOT-BELL END OF A PIPE SHALL BE TO A TAPPED SERVICE CONNECTION SHALL BE				
SPECIFI	MUM OF 4 SEWER SERVICE CONNECTIONS SHALL BE . C SOILS INVESTIGATIONS SHOULD BE CONDUCTED TO HIN ALLOWABLE LIMITS REGARDLESS OF THE NUMBER	ASSURE THAT THE EXTERNAL LOADING WILL				
DATE 10/25/2019 DRAWING D.11S	COLUMBINE WATER & SANITATION DISTRICT	DOMESTIC SEWER TAPPING SADDLE DETAIL				

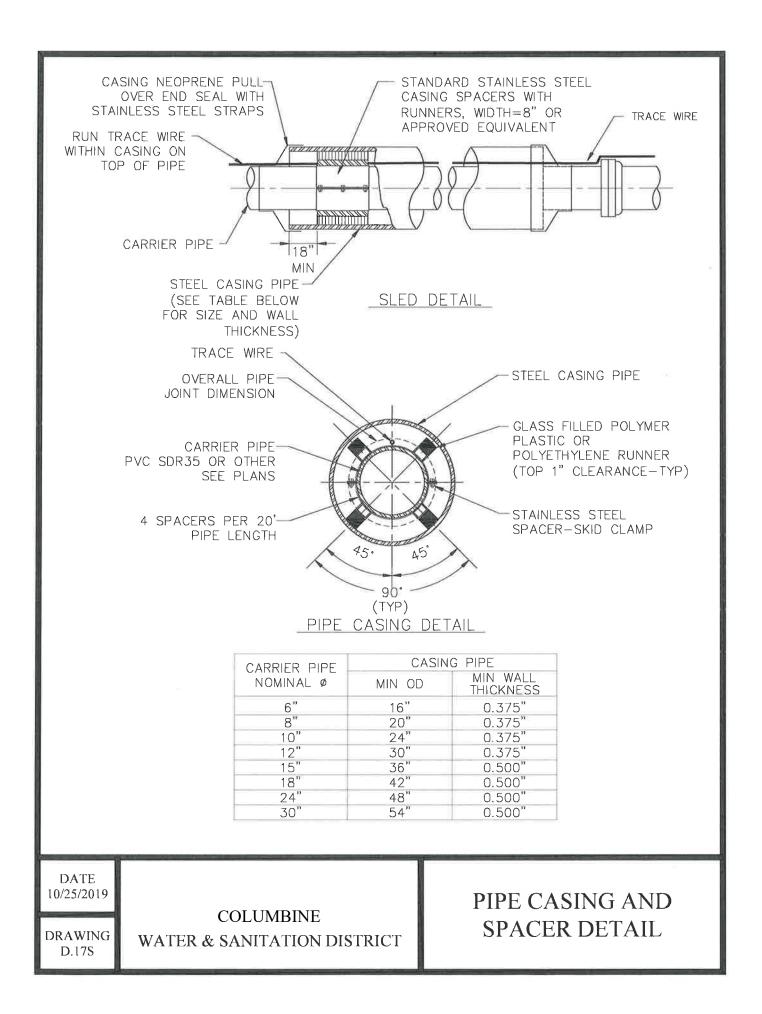
<u>10 O'CLOCK</u>	WYE OR TEE PVC FITTING VC FITTING	BELL END/EDGE SPIGOT INSERTION LINE TRACER WIRE A A A A A A A A A A A A A A A A A A A				
	3'0" MIN	SECTION A-A NOTE: TAPS IN STAGGERED CONFIGURATION AT 10 O'CLOCK AND 2 O'CLOCK.				
<ol> <li>ON NEW SANITARY SEWER SERVICE INSTALLATIONS, EITHER PVC WYE OR TEE FITTINGS SHALL BE USED.</li> <li>SANITARY SEWER SERVICE BRANCH CONNECTIONS SHALL BE POSITIONED AT EITHER THE 2 O'CLOCK OR THE 10 O'CLOCK POSITION ON THE CIRCUMFERENCE OF THE SEWER MAIN.</li> <li>THE MINIMUM DISTANCE FROM EITHER THE BELL END OR SPIGOT-BELL END OF A PIPE SHALL BE 3 FEET CLEAR TO THE END/EDGE OF THE WYE-TEE FITTING. THE MINIMUM DISTANCE BETWEEN ENDS OF WYE-TEE FITTINGS SHALL BE 3 FEET CLEAR.</li> <li>THE MINIMUM DISTANCE FROM THE OUTSIDE OF A MANHOLE TO THE END/EDGE OF THE WYE-TEE FITTING SHALL BE 3 FEET CLEAR.</li> <li>A MAXIMUM OF 4 SEWER SERVICE CONNECTIONS SHALL BE ALLOWED PER 20-FEET LENGTH OF PIPE. A SPECIFIC SOILS INVESTIGATIONS SHOULD BE CONDUCTED TO ASSURE THAT THE EXTERNAL LOADING WILL BE WITHIN ALLOWABLE LIMITS REGARDLESS OF THE NUMBER OF TAPS INVOLVED.</li> <li>WITH AWWA C-900 CLASS 235, DR18 PIPE, USE AWWA C-900 CLASS 235 PVC TEES FOR SERVICES, CONFORMING TO DR18 OR APPROVED EQUAL. SDR 26 PIPE AND FITTINGS ARE ANOTHER OPTION TO BE EVALUATED BY THE ENGINEER.</li> </ol>						
DATE 10/25/2019 DRAWING D.12S	COLUMBINE WATER & SANITATION DISTRICT	DOMESTIC SEWER WYE CONNECTION DETAIL				

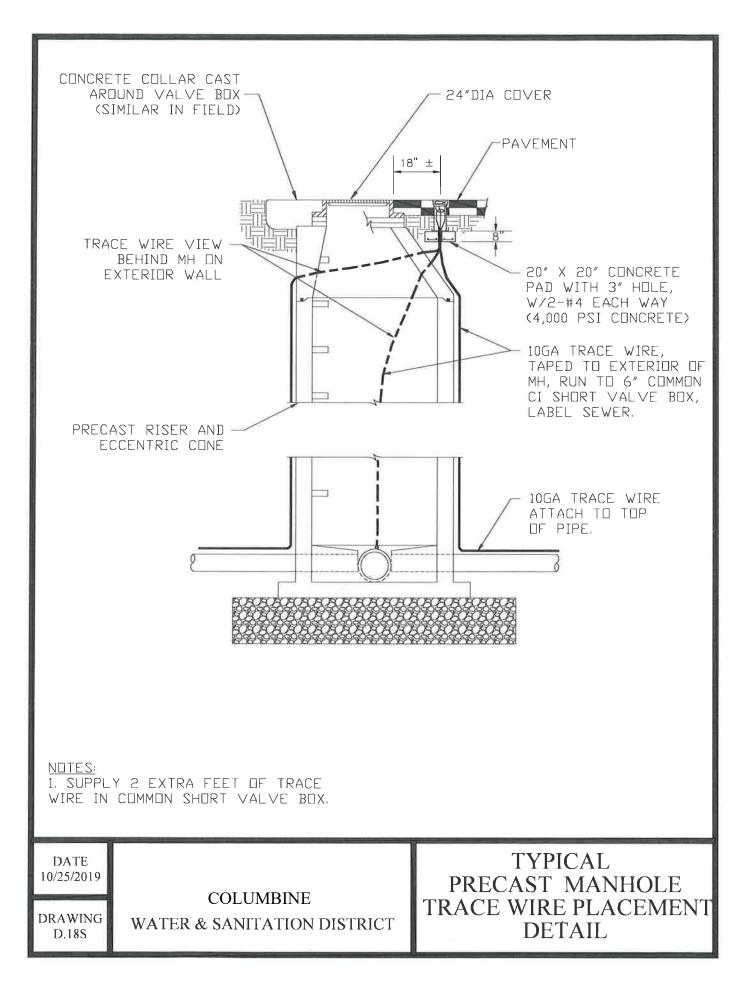


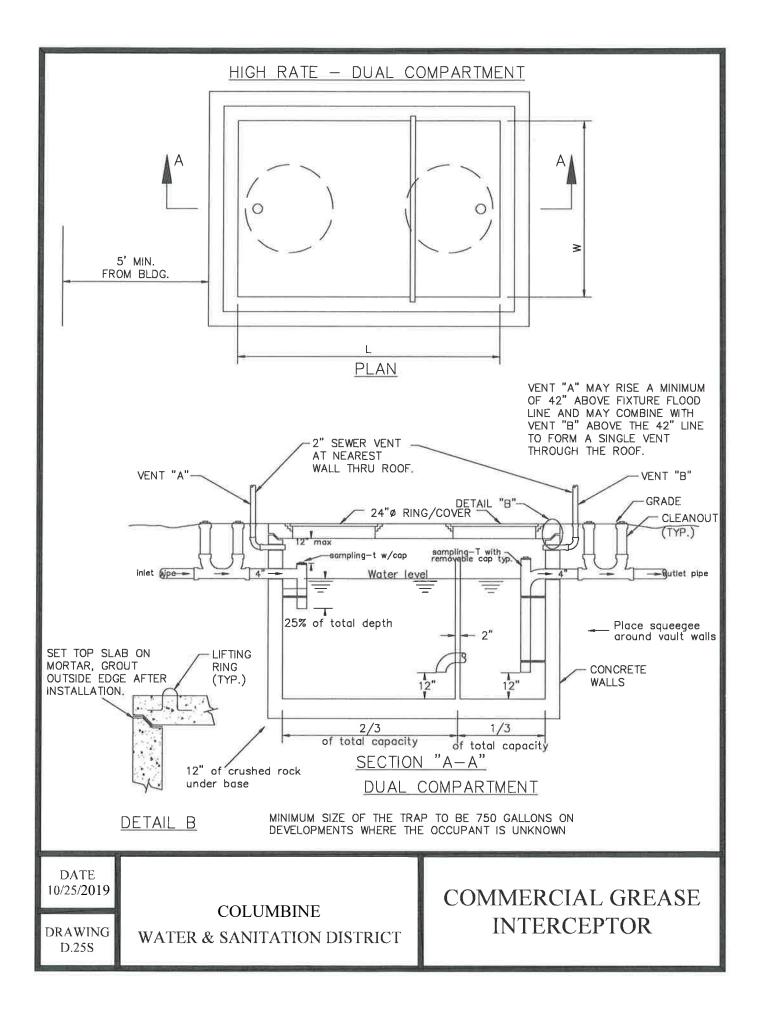


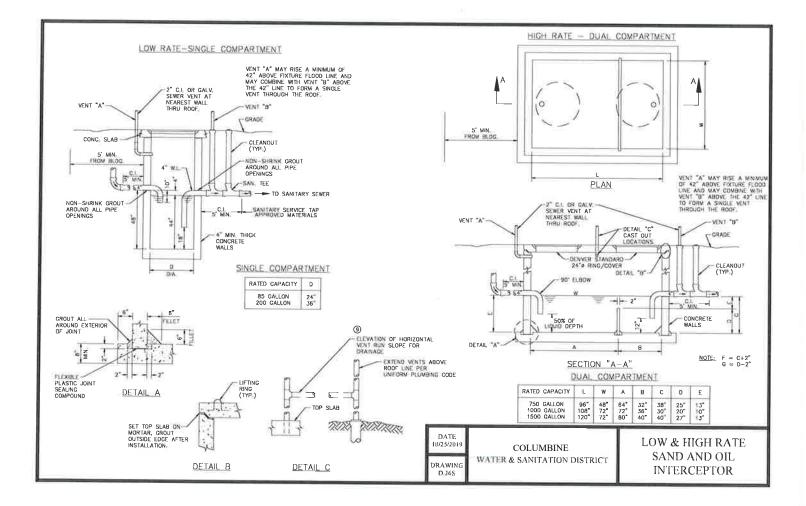












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