

\\woodwardclark.com\nets\shared\Projects\RM\CS\SF\0082_SFPUC\002-007_SFPUC\WW\CS-955818B_Task Order\TO 10 - Sewer Laterals Program Phase 1B - Project Work\Task4- Revised Standards and Details Completion\Final Submittal\CAD\RevisedSewer Config Figures.dwg

APPROVED SEWER LATERAL JOINTS

SEWER LATERAL MATERIAL	VCP	HDPE	ABS	CAST IRON (TRAP)
VCP	<ul style="list-style-type: none"> BELL AND SPIGOT COMPRESSION JOINT MEETING THE REQUIREMENTS OF ASTM C425. FOR PLAIN END PIPE, RUBBER COUPLINGS CAN BE USED 			<ul style="list-style-type: none"> VCP SPIGOT CAN BE USED WITH BELL ON P-TRAP IF CONNECTION IS WATERTIGHT AND MEETS PRESSURE TESTING OF ASTM C425. VCP PLAIN END PIPE CAN CONNECT TO PLAIN END ON P-TRAP USING RUBBER COUPLINGS.
HDPE		<ul style="list-style-type: none"> BUTT FUSION JOINTS WITH INTERNAL JOINT BEAD REMOVED, MEETING REQUIREMENTS OF ASTM D2657 AND D3261. ELECTRO-FUSION JOINTS USING ELECTRO-FUSION COUPLINGS. BELL & SPIGOT JOINTS ARE NOT ACCEPTABLE 		<ul style="list-style-type: none"> HDPE PIPE CAN CONNECT TO BELL ON A P-TRAP USING RUBBER COUPLING. USE BUSHING TO COUPLE PIPE OF DIFFERENT OUTSIDE DIAMETERS. HDPE PIPE CAN CONNECT TO THE PLAIN END ON A P-TRAP USING RUBBER COUPLING. USE BUSHING TO COUPLE PIPE OF DIFFERENT OUTSIDE DIAMETERS.
ABS			<ul style="list-style-type: none"> PLAIN END PIPE AND SOCKETS SHALL BE JOINED USING SOLVENT CEMENT MEETING THE REQUIREMENTS OF ASTM D2661. PLAIN END PIPE CAN CONNECT TO PLAIN END PIPE USING A RUBBER COUPLING. 	<ul style="list-style-type: none"> ABS PLAIN END PIPE CAN BE USED WITH BELL ON P-TRAP IF CONNECTION IS WATERTIGHT AND MEETS PRESSURE TESTING OF ASTM C425. ABS PLAIN END PIPE CAN CONNECT TO PLAIN END ON P-TRAP USING RUBBER COUPLING. USE BUSHING TO COUPLE PIPE OF DIFFERENT OUTSIDE DIAMETERS.

NOTE: COUPLINGS SHALL BE RUBBER COMPRESSION COUPLINGS, MINIMUM 5-INCH LONG, WITH STAINLESS STEEL BANDS IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM C425

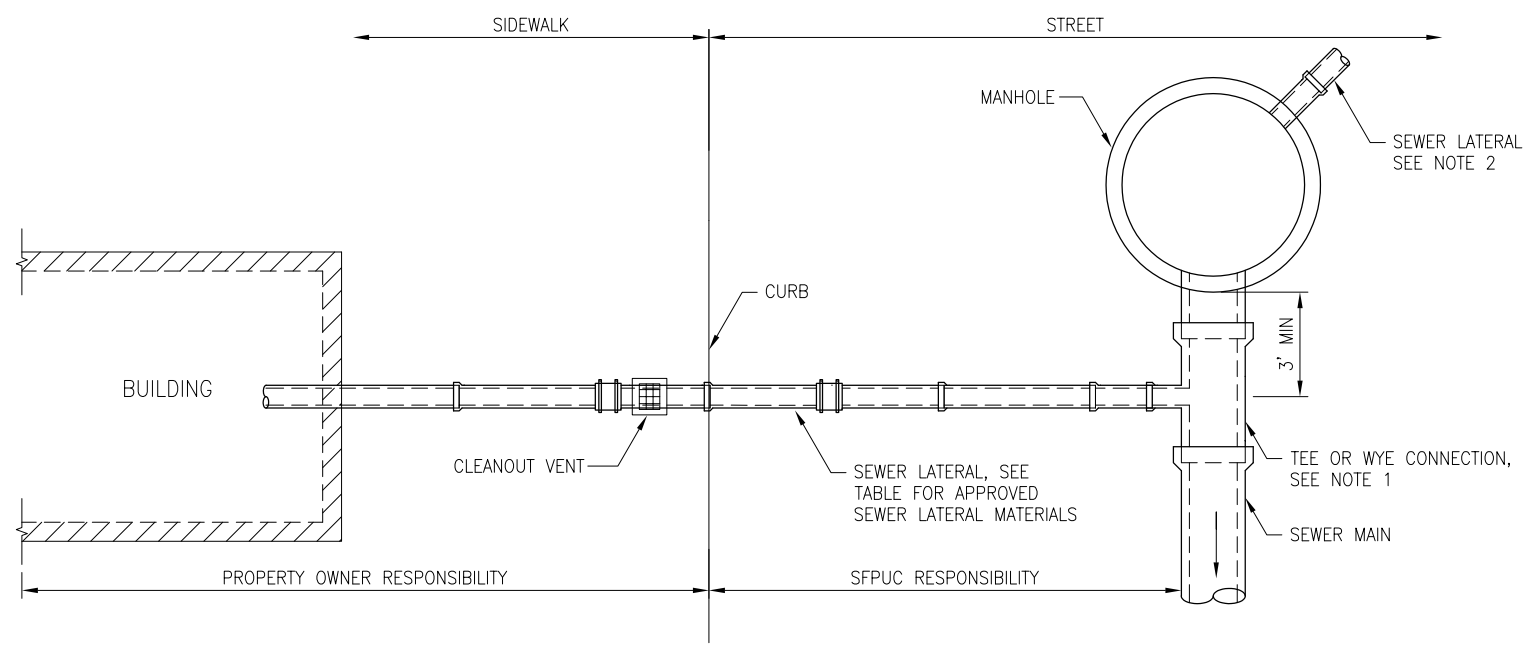
APPROVED SEWER LATERAL MATERIALS

SEWER LATERAL MATERIAL	UPPER LATERAL	LOWER LATERAL
VCP	YES	YES
HDPE	YES	YES
ABS	YES	NO

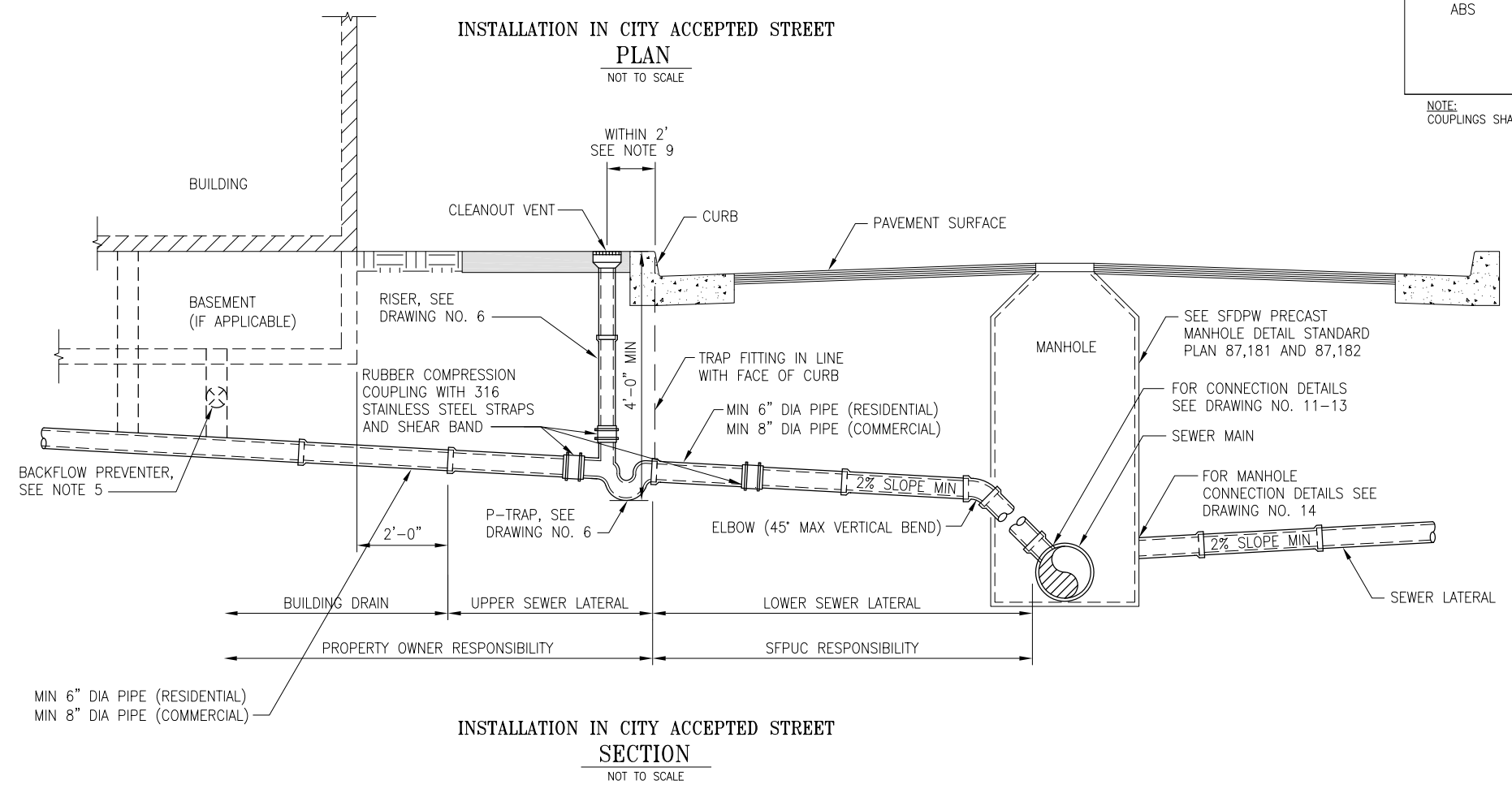
NOTES:

- MANUFACTURED TEES ARE REQUIRED FOR CONNECTION TO SEWER MAINS LESS THAN 12" DIAMETER.
- SEWER LATERALS 10" DIAMETER AND GREATER CONNECTING TO SEWER MAINS LESS THAN 42" DIAMETER SHALL CONNECT DIRECTLY TO A MANHOLE. IF THERE IS NO MANHOLE TO CONNECT TO, A NEW MANHOLE SHALL BE CONSTRUCTED BASED ON SFPDW STANDARD DETAIL 87,181 THROUGH 87,186.
- CLEANOUT SHALL BE THE PROPERTY OWNERS RESPONSIBILITY.
- OWNER MUST ACQUIRE ALL NECESSARY PERMITS FROM APPLICABLE AGENCIES PRIOR TO CONSTRUCTION.
- A BACKFLOW PREVENTER IS REQUIRED IF THE ELEVATION OF THE FIXTURE IS LOWER THAN THE ELEVATION OF THE CLEANOUT VENT COVER. THIS REQUIREMENT IS FROM THE MOST RECENT SAN FRANCISCO PLUMBING CODE, CHAPTER 7.
- A CLEANOUT IN THE COMBINED SEWER SYSTEM AND SANITARY SEWER SYSTEM CONSISTS OF THE P-TRAP, RISER AND VENT.
- A FITTING SHALL BE TRIMMED NEAT WITH INTERIOR OF SEWER MAIN.
- SEWER LATERALS SHALL BE INSTALLED WITH NO ABRUPT VERTICAL OR HORIZONTAL SLOPE CHANGES.
- POSITIVE SURFACE SLOPE SHALL BE MAINTAINED FROM VENT TO GUTTER.
- THE LOWER SEWER LATERAL SHALL NOT "ZIG-AND-ZAG" TO AVOID OBSTRUCTIONS. THE ELBOW FITTING TO TURN THE LATERAL VERTICALLY DOWN TO THE SEWER MAIN IS THE ONLY ALLOWABLE FITTING. IF THE LOWER LATERAL MUST BE LOWERED TO AVOID AN EXISTING OBSTRUCTION, TWO ELBOW FITTINGS WILL BE ALLOWED WITH ONE IMMEDIATELY AFTER THE P-TRAP.

APPLICABLE TO COMBINED SEWER SYSTEM AND SANITARY SEWER SYSTEM



INSTALLATION IN CITY ACCEPTED STREET PLAN
NOT TO SCALE



INSTALLATION IN CITY ACCEPTED STREET SECTION
NOT TO SCALE



SEWER LATERAL STANDARD DETAILS
SAN FRANCISCO PUBLIC UTILITIES COMMISSION

DATE: MAY 2017 REVISION: 1.0 REVISED:

TYPICAL SEWER LATERAL INSTALLATION IN COMBINED SEWER SYSTEM AND SANITARY SEWER SYSTEM