

**SEWER LATERAL CONNECTION SCHEDULE**

	SEWER MAIN MATERIAL	SEWER MAIN DIAMETER	LOWER SEWER LATERAL MATERIAL	ALLOWABLE CONNECTION TYPE	REFERENCE DRAWING AND DETAIL NO.
CONNECTION TO NEW OR EXISTING SEWER MAIN	VCP	8"-10" DIAMETER	VCP	TYPE 1 - VCP TEE BELL END (NEW SEWER MAIN CONSTRUCTION) TYPE 2 - VCP TEE PLAIN END CONNECTION (NEW SEWER MAIN CONSTRUCTION) TYPE 3 - VCP/ISP TEE WITH APPROVED COUPLINGS (CONNECTION TO EXISTING SEWER MAIN)	DRAWING NO. 11 DETAIL 1 DRAWING NO. 11 DETAIL 2 DRAWING NO. 11 DETAIL 3
			HDPE	TYPE 2 - VCP TEE PLAIN END CONNECTION (NEW SEWER MAIN CONSTRUCTION) TYPE 3 - VCP/ISP TEE WITH APPROVED COUPLINGS (CONNECTION TO EXISTING SEWER MAIN)	DRAWING NO. 11 DETAIL 2 DRAWING NO. 11 DETAIL 3
		12"-18" DIAMETER	VCP	TYPE 1 - VCP TEE BELL END (NEW SEWER MAIN CONSTRUCTION) TYPE 2 - VCP TEE PLAIN END CONNECTION (NEW SEWER MAIN CONSTRUCTION) TYPE 3 - VCP/ISP TEE WITH APPROVED COUPLINGS (CONNECTION TO EXISTING SEWER MAIN) TYPE 5 - TAP-TITE FITTING (CONNECTION TO EXISTING SEWER MAIN) (SEE NOTE 2)	DRAWING NO. 11 DETAIL 1 DRAWING NO. 11 DETAIL 2 DRAWING NO. 11 DETAIL 3 DRAWING NO. 11 DETAIL 5
			HDPE	TYPE 5 - TAP-TITE FITTING CONNECTION TO EXISTING SEWER MAIN (SEE NOTE 2)	DRAWING NO. 11 DETAIL 5
		24"-36" DIAMETER	VCP	TYPE 1 - VCP TEE BELL END (NEW SEWER MAIN CONSTRUCTION) TYPE 2 - VCP TEE PLAIN END CONNECTION (NEW SEWER MAIN CONSTRUCTION) TYPE 3 - VCP/ISP TEE WITH APPROVED COUPLINGS (CONNECTION TO EXISTING SEWER MAIN) TYPE 5 - TAP-TITE FITTING (CONNECTION TO EXISTING SEWER MAIN) (SEE NOTE 2)	DRAWING NO. 11 DETAIL 1 DRAWING NO. 11 DETAIL 2 DRAWING NO. 11 DETAIL 3 DRAWING NO. 11 DETAIL 5
			HDPE	TYPE 5 - TAP-TITE FITTING (CONNECTION TO EXISTING SEWER MAIN) (SEE NOTE 2)	DRAWING NO. 11 DETAIL 5
	ISP	8"-10" DIAMETER	VCP	TYPE 3 - VCP/ISP TEE WITH APPROVED COUPLINGS (CONNECTION TO EXISTING SEWER MAIN)	DRAWING NO. 11 DETAIL 3
			HDPE	TYPE 3 - VCP/ISP TEE WITH APPROVED COUPLINGS (CONNECTION TO EXISTING SEWER MAIN)	DRAWING NO. 11 DETAIL 3
		12"-24" DIAMETER	VCP	TYPE 3 - VCP/ISP TEE WITH APPROVED COUPLINGS (CONNECTION TO EXISTING SEWER MAIN) TYPE 5 - TAP-TITE FITTING (CONNECTION TO EXISTING SEWER MAIN) (SEE NOTE 2)	DRAWING NO. 11 DETAIL 3 DRAWING NO. 11 DETAIL 5
			HDPE	TYPE 3 - VCP/ISP TEE WITH APPROVED COUPLINGS (CONNECTION TO EXISTING SEWER MAIN) TYPE 5 - TAP-TITE FITTING (CONNECTION TO EXISTING SEWER MAIN) (SEE NOTE 2)	DRAWING NO. 11 DETAIL 3 DRAWING NO. 11 DETAIL 5
	HDPE	VARIES	HDPE	TYPE 4- HDPE SADDLE (CONNECTION TO NEW OR EXISTING SEWER MAIN)	DRAWING NO. 11 DETAIL 4
	BRICK	VARIES	VCP	TYPE 6 - VCP BELL STUB CONNECTION (CONNECTION TO NEW OR EXISTING SEWER MAIN)	DRAWING NO. 11 DETAIL 6
			HDPE	TYPE 7 - VCP PLAIN END STUB AND APPROVED COUPLING CONNECTION (CONNECTION TO NEW OR EXISTING SEWER MAIN)	DRAWING NO. 12 DETAIL 7
	RCP	VARIES	VCP	TYPE 5 - TAP-TITE FITTING CONNECTION TO EXISTING SEWER MAIN, SEE NOTE 2 TYPE 8 - VCP BELL STUB CONNECTION (CONNECTION TO NEW OR EXISTING RCP/RC SEWER MAIN) TYPE 9 - VCP CONCRETE COLLAR CONNECTION (CONNECTION TO NEW OR EXISTING RCP SEWER MAIN)	DRAWING NO. 11 DETAIL 5 DRAWING NO. 12 DETAIL 8 DRAWING NO. 12 DETAIL 9
			HDPE	TYPE 5 - TAP-TITE FITTING CONNECTION TO EXISTING SEWER MAIN, SEE NOTE 2 TYPE 10- VCP PLAIN END STUB AND APPROVED COUPLING CONNECTION (CONNECTION TO NEW OR EXISTING RCP/RCSEWER MAIN)	DRAWING NO. 11 DETAIL 5 DRAWING NO. 12 DETAIL 10
VARIES	VARIES	CIPP	TYPE 16 - CONNECTION BETWEEN NEW SEWER LATERAL AND LINED SEWER MAIN	DRAWING NO. 13 DETAIL 16	
CONNECTION TO REHABILITATED SEWER MAIN	FIBERGLASS SLIPLINED PIPE	VARIES	VARIES	TYPE 11 - TAP-TITE FITTING (OR EQUAL) FOR FIBERGLASS SLIPLINED CONNECTION (SEWER MAIN REHABILITATION)	DRAWING NO. 13 DETAIL 11
	HDPE SLIPLINED PIPE	VARIES	VARIES	TYPE 12 - HDPE SADDLE FOR HDPE SLIPLINED PIPE CONNECTION (SEWER MAIN REHABILITATION)	DRAWING NO. 13 DETAIL 12
	CURED-IN-PLACE PIPE LINER	VARIES	VARIES	TYPE 13 - TAP-TITE FITTING (OR EQUAL) FOR CURED-IN-PLACE PIPE LINER CONNECTION (SEWER MAIN REHABILITATION)	DRAWING NO. 13 DETAIL 13
	VCP AND ISP	24" AND SMALLER	VARIES	TYPE 14 - CONNECTION BETWEEN EXISTING SEWER LATERAL AND SMALL SEWER MAIN BEING LINED	DRAWING NO. 13 DETAIL 14
	VCP, BRICK AND RCP	LARGER THAN 24"	VARIES	TYPE 15- CONNECTION BETWEEN EXISTING SEWER LATERAL AND LARGE SEWER MAIN BEING LINED	DRAWING NO. 13 DETAIL 15

**NOTES:**

- APPROVED COUPLINGS SHALL BE PER SFPDW STANDARD SPECIFICATIONS, PART 3.
- CONNECTING SEWER MAIN MUST BE AT LEAST DOUBLE THE DIAMETER OF THE SEWER LATERAL FOR CORE DRILL TYPE CONNECTIONS (TAP-TITE OR EQUAL).

**APPLICABLE TO BOTH COMBINED AND SANITARY SEWER SYSTEMS**



**SEWER LATERAL STANDARD DETAILS**  
SAN FRANCISCO PUBLIC UTILITIES COMMISSION

DATE: MAY 2017      REVISION: 1.0      REVISED:

**SEWER LATERAL CONNECTION SCHEDULE**

DWG NO.

**10**

\\woodardclark.com\projects\RM\CSF0092-SFPUC\WW-CS-955BIB-Task Orders\TO 10 - Sewer Laterals Program Phase 1B - Project Work\Task6- Revised Standards and Details Completion\Final Submittal\CAD\RevisedSewer Config Figures.dwg