



**NOTES:**

- 4 1. PRIVATE LOWER SEWER SERVICE LATERALS SHALL HAVE A MINIMUM SLOPE OF 2% EXCEPT AS OTHERWISE NOTED ON THE PLANS.
- 2. PLUGS SHALL BE CEMENTED IN WITH CEMENT MORTAR, OR SHALL BE NEOPRENE STOPPER OR APPROVED EQUAL.
- 3. IN NO CASE SHALL A LATERAL CONNECT TO THE SEWER MAIN DIRECTLY ON TOP OF THE PIPE.
- 4 2" WIDE METALLIC DETECTABLE LOCATOR TAPE SHALL BE PLACED APPROXIMATELY 6" ABOVE EACH LATERAL, BUT NOT GREATER THAN 6' DEEP, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- 4 5. MINIMUM 5' SEPARATION BETWEEN PRIVATE LOWER SEWER SERVICE LATERAL AND WATER SERVICE.
- 4 6. WHERE PRIVATE LOWER SEWER SERVICE LATERAL CROSSES ABOVE AN EXISTING OR PROPOSED WATER MAIN, USE CI PIPE (CL 150 W/HOT DIP BITUMINOUS COATING) 10' ON EACH SIDE OF WATER MAIN. USE COUPLERS PER SB-178.
- 4 7. PRIVATE LOWER SEWER SERVICE LATERALS SHALL END AT THE PROPERTY LINE UNLESS OTHERWISE NOTED ON THE PLANS.
- 8. SEE STANDARD DRAWING SB-178 FOR CONNECTION TO BUILDING SEWER.
- 4 1 9. WHERE JOINT UTILITY TRENCH IS PROPOSED BEHIND CURB, PRIVATE LOWER SEWER LATERAL SHALL HAVE 5'-0" COVER BELOW CURB GRADE AT PROPERTY LINE. TYPICAL OF ALL ALTERNATE ELEVATIONS.
- 3 10. ALTERNATE ELEVATIONS ARE TO BE CONSTRUCTED WHEN THE FOLLOWING CONDITIONS APPLY:  
 ALTERNATE 'A': TO BE CONSTRUCTED WHEN VERTICAL DIFFERENCE BETWEEN WATER AND SEWER MAINS DOES NOT ACCOMMODATE NORMAL CUT ELEVATION.  
 ALTERNATE 'B': TO BE CONSTRUCTED WHEN A VERTICAL TRANSITION LESS THAN 12' IS REQUIRED BETWEEN THE WATER CROSSING AND PROPERTY LINE.  
 ALTERNATE 'C': TO BE CONSTRUCTED WHEN A VERTICAL TRANSITION 12' OR GREATER IS REQUIRED BETWEEN SEWER MAIN AND WATER CROSSING.
- 2 3 11. ALL CLSM SHALL BE PER EMWD STANDARD SPECIFICATIONS.

REVISIONS					APPROVALS		
NO.	DATE	INITIAL	DESCRIPTION	APP'D	DATE	INITIAL	DATE
4	6/28/19	GS	REVISED LOGO, REMOVED PVC CALL OUT, ADDED PRIVATE LATTERAL, NOTES 1, 5, 6, 7, 9, AND RENAMED DRAWING	AGA	6/28/19	VJB	4/23/97
3	6/19/15	GS	REMOVED ALL REFERENCES TO ALT. "D", ADDED CLMS ENCASMENT, AND REVISED NOTE 11	AGA	6/19/15		
2	9/16/03	CM	ADD NOTE #11, ALT "D" NOT TO BE USED	VJB	10/15/03	VJB	4/23/97

  

REFERENCES: SUPERCEDES SB-48, 50, & 51	SCALE: NONE
FILE I.D.: \kauai\eng\std dwgs\SB-177.dgn	DRAWN BY: KER

  

DESIGN	CONSTRUCTION	INSPECTION	OPERATIONS	SUBMITTED

  

RECOMMENDED	DIRECTOR OF ENGINEERING	DATE

EASTERN MUNICIPAL WATER DISTRICT  
STANDARD DRAWING

**PRIVATE LOWER SEWER SERVICE LATERALS**

APPROVED Charles J. Bachmann 4/25/97  
ASSISTANT GENERAL MANAGER DATE

**SB-177**

