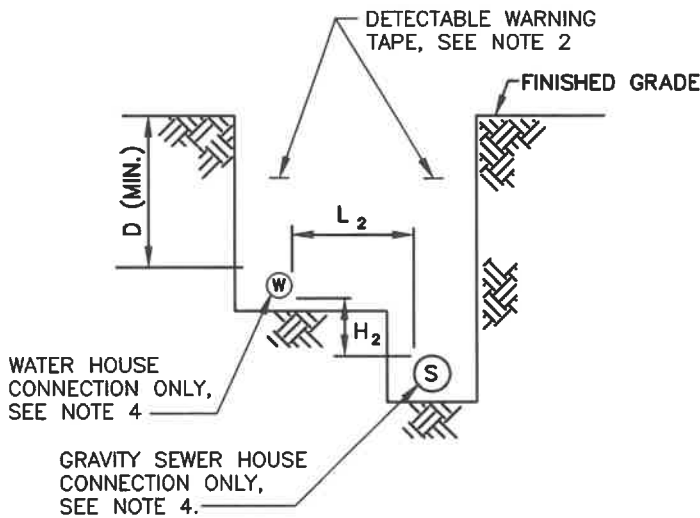


**TYPICAL TRENCH DETAIL FOR  
WATER MAIN, SEWER MAIN, SEWER FORCE MAIN,  
PRESSURE SEWER, AND PRESSURE SHC TO WHC**



**TYPICAL TRENCH DETAIL FOR  
WATER AND SEWER HOUSE CONNECTIONS ONLY**

**NOTES:**

1. FOR TRENCH DETAILS AND BEDDING REQUIREMENTS, SEE DETAILS M/8.0, M/8.1a, M/8.1b AND M/8.1c.
2. FOR DETECTABLE WARNING TAPE, SEE SPECIFICATIONS.
3. FOR WATER HOUSE CONNECTIONS (WHC). INSTALL THE WHC TO THE LEFT OF THE SEWER LOOKING AT THE PROPERTY LINE, UNLESS OTHERWISE SHOWN ON THE DRAWINGS.
4. COMBINED TRENCH INSTALLATION IS ONLY FOR 2" AND SMALLER WATER HOUSE CONNECTIONS AND GRAVITY SEWER HOUSE CONNECTIONS.
5. MINIMUM DISTANCE TO ALL STRUCTURES TO ALL PIPELINES IS 5'-0"
6. FOR WHC AND PRESSURE SHC PROVIDE MIN 10' CLEAR OD TO OD.

H<sub>1</sub> = INVERT OF 3" AND LARGER WATER TO TOP OF SEWER.

H<sub>2</sub> = INVERT OF 2" AND SMALLER WATER HOUSE CONNECTION (WHC) TO TOP OF GRAVITY SEWER HOUSE CONNECTION (SHC).

OD = OUTSIDE DIAMETER.

L<sub>1</sub> = MINIMUM DISTANCE HORIZONTALLY CLEAR BETWEEN OD OF 3" AND LARGER WATER MAIN TO OD OF SEWER MAIN.

L<sub>2</sub> = MINIMUM DISTANCE HORIZONTALLY CLEAR BETWEEN OD OF 2" AND SMALLER WATER HOUSE CONNECTION TO OD OF GRAVITY SEWER HOUSE CONNECTION.

D = MINIMUM COVER OVER WATER OR WATER HOUSE CONNECTION.

L <sub>1</sub>	H <sub>1</sub>
10'-0" AND GREATER	NO REQUIREMENT
7'-0" TO LESS THAN 10'-0"	1'-6" MIN.

L <sub>2</sub>	H <sub>2</sub>
MINIMUM 1'-6"	MINIMUM 1'-6"
10'-0" AND GREATER	LESS THAN 1'-6"

**DEPTH REQUIREMENTS**

WATER SIZE	D
3" AND LARGER	4'-0" MINIMUM
2" AND SMALLER	3'-6" MINIMUM, EXCEPT 4'-0" MINIMUM AT PROPERTY LINE.

WASHINGTON  
SUBURBAN  
SANITARY  
COMMISSION

APPROVED: 6/17/21  
*Mike Harmer*  
Chief Engineer

SPECIAL DETAIL  
**MINIMUM CLEARANCE  
OF WATER PARALLEL  
TO SEWER.**

M  
18.0