

1. WATER TO OBTAIN OPTIMUM MOISTURE CONTENT AS DETERMINED BY COMPACTION TESTING PROCTOR.
2. ALL TRENCHING TO BE DONE IN ACCORDANCE WITH OSHA AND WISHA STANDARDS.
3. POLY PIPE FOR WATER SERVICES, AIR VALVES, ETC. SHALL BE BEDDED IN SAND A MINIMUM OF 6" ABOVE AND BELOW THE PIPE.

APPROVED WSDOT SPECIFICATION BEDDING MATERIALS. WSDOT AGGREGATE SOURCE APPROVAL DOCUMENTATION MUST BE PROVIDED.

WATER MAIN BEDDING

- 9-03.4(2) Aggregate for BST: ¾"-½", ⅝"-No. 4, ½"-No. 4.
- 9-03.8(6) HMA Proportions of Materials: ¾-inch (Only allowed for poly-bagged DI pipe. See Note 1)
- 9-03.12(4) Gravel Backfill for Drains

HDPE SERVICE PIPE BEDDING

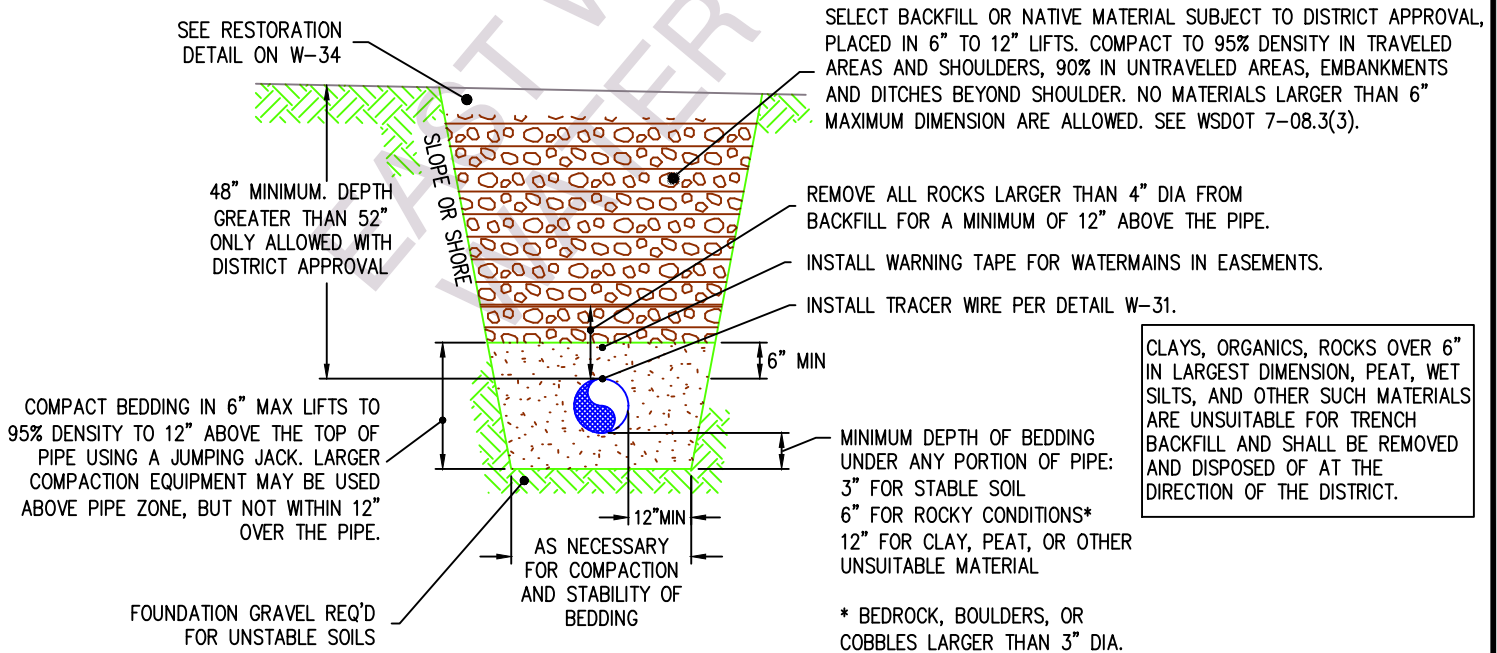
- 9-03.4(2) Aggregate for BST: ⅝"-No. 4 (HDPE service pipe)
- 9-03.9(4) Maintenance Rock (HDPE service pipe).
- 9-03.13 Backfill for Sand Drains (HDPE service pipe).

FOR NON WSDOT BEDDING MATERIALS. SIEVE ANALYSIS MUST BE PROVIDED.

- Bare water main: Table 1.
- Poly-bagged water main: Table 1 or Table 2 (See Note 1).
- HDPE service pipe: Table 1 or Table 2.

Sieve Size	Percent Passing by Weight			
	Table 1		Table 2	
	Pipe >= 4"	Pipe < 4"	Pipe >= 4"	Pipe < 4"
1"	99-100	99-100	99-100	99-100
	80-100	99-100	75-100	99-100
5/8"	70-100	99-100	50-100	99-100
No. 4	30-100	30-100	20-100	20-100
No. 10	15-85	15-85	10-85	10-85
No. 40	2-25	2-25	3-50	3-50
No. 200	5 max	5 max	10 max	10 max
Sand Equiv	50 min	50 min	35 min	35 min

Note 1: If either No. 40 sieve exceeds 25% or No. 200 sieve exceeds 5% then additional restrained joint pipe lengths may be required unless the restrained lengths were calculated using silty-sand or finer material.



TYPICAL TRENCH



East Wenatchee Water District
 WATER SYSTEM STANDARD DETAIL

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TRENCH SECTION

FILENAME: EWD TW22

REVISED: OCT 7, 2025

DRAWING No. W-03

SHEET No. 3