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PUBLIC WORKS  
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Elk Grove, California 95758



## Standards Update Transmittal

Reference Number: 2024v-10  
Standards: SD-6.1 & SD-6.2, SCS Section 19-2.02

### Update:

1. Modification to SD-6.1 & SD-6.2:
  - a. Reducing the trench width for 24" or smaller pipes from 36" to 24".
2. Modification to SCS Section 19-2.02:
  - a. Adding the tamper rammer as mechanical compactor option due to reduced trench width where a vibratory plate compactor may not fit.

### Effect of Update:

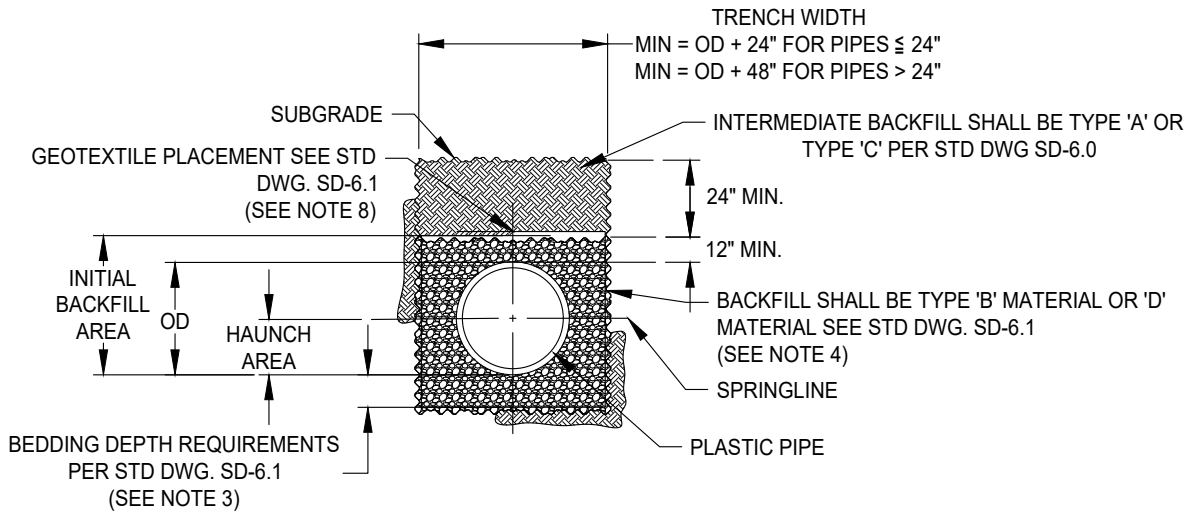
1. This revision will reduce pipe installation cost and reduce the amount of material generated for stockpiles.

Request for Update Initiated By: Industry Working Group 12/5/2024  
Date

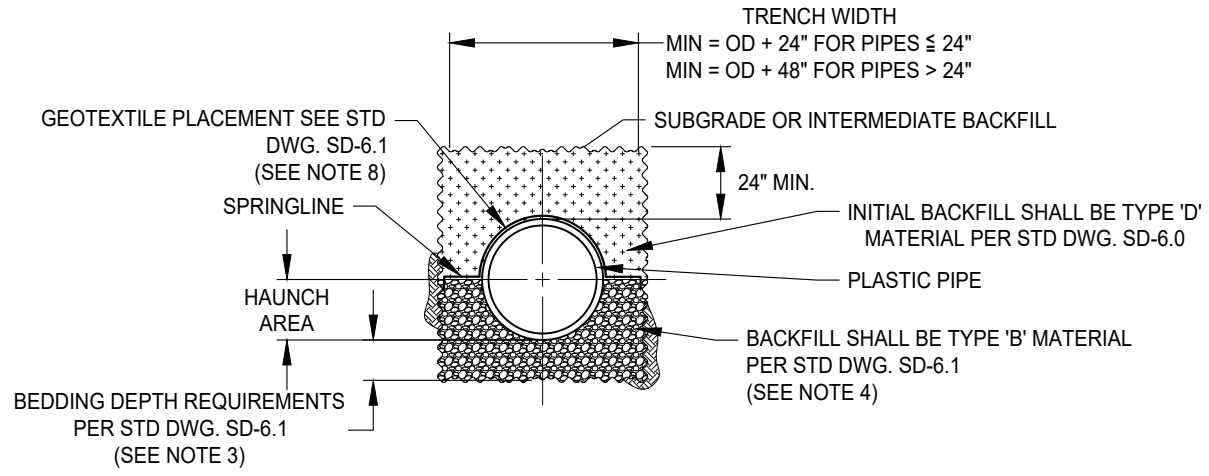
Update Reviewed for Conformity and Consistency to Standards: Shoaib Ahrary 3/21/2025 | 4:44 PM PDT  
Shoaib Ahrary, PE, ESD Manager Date

Update to Standards Approved: Kristin Parsons 3/24/2025 | 4:28 PM PDT  
Kristin Parsons, PE, City Engineer Date

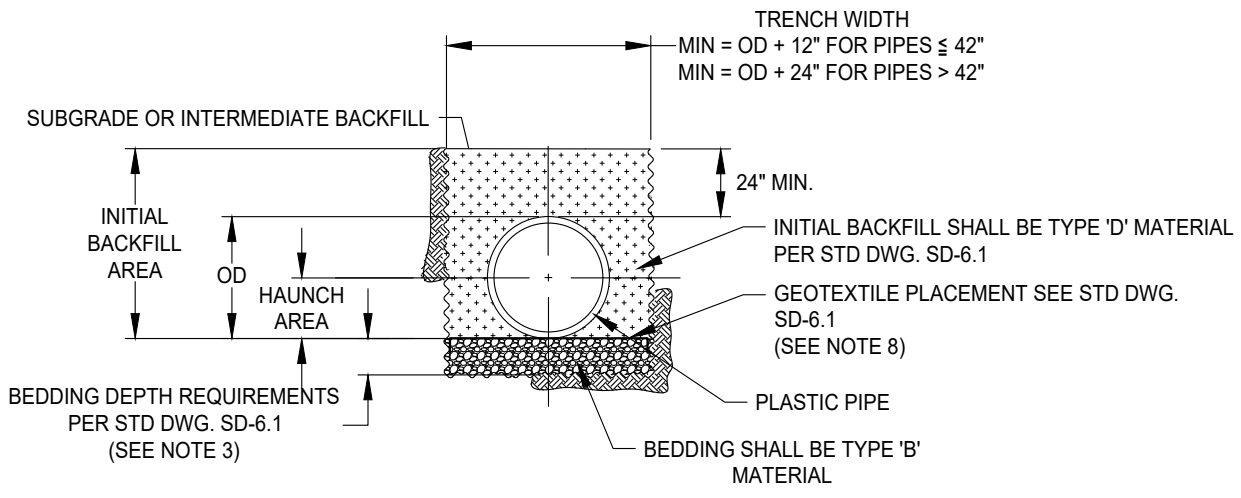




**BACKFILL REQUIREMENTS FOR PLASTIC PIPE 12" TO 42" DIAMETER ONLY**



**INITIAL BACKFILL REQUIREMENTS FOR PLASTIC PIPE (12" TO 60" DIAMETER) - OPTION 1**




**INITIAL BACKFILL REQUIREMENTS FOR PLASTIC PIPE (12" TO 60" DIAMETER) - OPTION 2**

DATE 02-16-2022		NOT TO SCALE	
REVISION	BY	APPROVED	DATE
1	STN	SA	02-16-2022
2	SJB	SMA	03-12-2025

CITY OF ELK GROVE - PUBLIC WORKS

**STORM DRAIN PLASTIC PIPE  
BEDDING AND INITIAL BACKFILL**


APPROVED BY:

 03-24-2025

CITY ENGINEER DATE

DRAWING NUMBER

SD - 6.2



**19-2.02 Initial Backfill**

Initial backfill materials shall meet the requirements of the Standard Construction Specifications, Standard Drawings, and the approved project plans. Initial backfill and compaction shall be consistent with trench details shown on Standard Drawings SD - 6.0, SD - 6.1 and SD - 6.2 and in accordance with these specifications.

For compaction of the haunch area with clean crush rock, the Contractor shall place initial backfill material to the spring line of the pipe in eight-inch (8") loose lifts so as not to disturb or damage the pipe and shall be brought up evenly on both sides. The initial lift shall be thoroughly compacted by shovel slicing to provide proper support under the pipe haunches. Each additional eight-inch (8") loose lift shall be compacted mechanically. The mechanical compaction shall be completed by using a reversible vibratory plate compactor or a tamper rammer and shall have a minimum force of 3,000 ft-lb. The compaction effort shall ensure the haunch area is sufficiently compacted to support the pipe as designed. The Contractor methods of compaction shall not damage the pipe, nor change the line, grade nor disturb or displace the pipe.

Damage to the pipe shall be replaced at Contractor's expense.

Backfill shall not proceed past the spring line per Standard Drawing SD-6.0 until approved by the Engineer.