



IF UNSUITABLE SOIL IS ENCOUNTERED, DEPTH OF REMOVAL AND SIZE OF FOUNDATION ROCK WILL BE PER THE SOILS REPORT, STANDARD SPECIFICATIONS, OR 3/4" AGGREGATE WITH A MINIMUM DEPTH OF 2-FEET IF NOT STATED

NOTES:

1. PAVING DICTATED BY LOCAL JURISDICTION.
2. 95% MAXIMUM DENSITY MINIMUM AS DETERMINED BY ASTM D1557.
3. TRENCHES GREATER THAN 5' DEPTH REQUIRE CAL/OSHA EXCAVATION PERMIT.
4. CONTRACTOR SHALL BE RESPONSIBLE TO PERFORM ALL TRENCHING AND EXCAVATION IN ACCORDANCE WITH CALIFORNIA CODE OF REGULATIONS, TITLE 8.
5. EXCAVATION, BACKFILL AND COMPACTION TO BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
6. FULL TIME SOILS TECHNICIAN MUST BE ON-SITE DURING BACKFILLING AND COMPACTION AS DETERMINED BY EVMWD.
7. INSTALLATION OF TRACER WIRE FOR GRAVITY SEWER PIPE IS NOT REQUIRED. INSTALL TRACER WIRE FOR ALL SEWER FORCEMAINS.
8. INSTALL SE 30 SAND IN PIPE ZONE FOR SEWER FORCEMAINS.
9. IF TRENCH DEPTH IS GREATER THAN 30-FEET TRENCH BACKFILL SHALL BE DESIGNED BY A GEOTECHNICAL ENGINEER.
10. PIPE ZONE MATERIAL SHALL BE MOISTURE CONDITIONED AND MECHANICALLY DENSIFIED AS REQUIRED.
11. MAXIMUM ROCK SIZE (GREATEST DIMENSION) FOR TRENCH BACKFILL SHALL BE 3".

TYPES OF INSTALLATION:

- A. SHALLOW (LESS THAN 25FT OF COVER)
 1. SHOVEL SLICE OR COMPACT EMBEDMENT IN HAUNCHES TO SPRINGLINE.
 2. "H" (HEIGHT OF COVER) IS 6" FOR 21" - 54" PIPE.
 3. "BD" (MIN. TRENCH WIDTH) IS THE PIPE OD + 18" FOR 21" - 54" PIPE.
 4. "B" (PIPE BEDDING) IS 4" FOR 21" - 54" PIPE.
- B. DEEP (25FT TO 50FT COVER)
 1. SHOVEL SLICE STONE OR COMPACT GRAVEL-SAND MIXTURE IN HAUNCHES THROUGH SPRINGLINE IN LIFTS UNTIL PIPE IS COVERED.
 2. "H" (HEIGHT OF COVER) IS 6" FOR 21" - 54" PIPE.
 3. "BD" (MIN. TRENCH WIDTH) IS THE PIPE OD + 18" FOR 21" - 54" PIPE.
 4. "B" (PIPE BEDDING) IS 4" FOR 21" - 54" PIPE.
 5. TO OBTAIN LATERAL SUPPORT FOR PIPE WHERE AN UNSTABLE SOIL CONDITION IS ENCOUNTERED. USE A MINIMUM TRENCH WIDTH OF TWO PIPE DIAMETERS.

REVISION	BY	APPR	DATE
TRENCH ZONE BACKFILL	AK	JZ	01-24-24

06/22/2023
 PARAG KALARIA R.C.E. 83927 DATE

STANDARD PIPE BEDDING FOR VYLON PVC GRAVITY SEWER 21 - 54 INCHES IN DIAMETER

STD. DWG. NO.
S-1B