

MATERIAL AND COMPACTION REQUIREMENT FOR TRENCH BACKFILL

1. Initial backfill material shall conform to requirements of utility having jurisdiction over the installation and shall also meet the following minimum requirements: At least 90% passing 3/4 inch sieve not more than 15% passing No. 200 sieve, sand equivalent of at least 30 and minimum relative compaction of 90%.
2. Intermediate backfill shall be an u i l e native or imported granular material. Relative compaction shall be at least 90%, except upper 12 inches which shall be 95%. ▲
3. Class II aggregate base shall conform to the Standard Specifications of the State of California. Minimum relative compaction shall be 95%. If pavement having a structural section greater than 15 inches is cut, additional base material may be required by the Director of Public Works. Base shall be placed and compacted prior to placing of temporary paving.
- ▲ 4. Fills shall be placed in loose lifts not exceeding 8 inches in thickness before compaction.
5. Where suitable material is used, intermediate backfill may be compacted by means of jetting, provided that the material is compacted in layers no more than 3 feet in depth, the jet pipe is at least 1 1/2 inches in diameter and 4 feet long, the water supply has a pressure of at least 40 pounds per square inch and adequate drainage of free water can be maintained.
6. Where PEA GRAVEL or any similarly rounded aggregate is used for any part of the backfill, it must be consolidated by vibrating in lifts of not more than 3 feet.
7. When trenches are backfilled with granular materials, adequate provisions must be made to drain off water which will be collected in the trench.
8. Testing of materials and performance shall be in conformance with the methods stated in the latest edition of the State of California Department of Transportation Materials Manual, except that relative compaction shall be tested by AASHTO Method T 80-57C.
9. Additional thickness and lifts of asphalt concrete may be required to match existing structural section on major roads.

NOTE:

- a. CONTRACTOR WILL SHORE ALL TRENCHES IN CONFORMANCE WITH STATE SAFETY STANDARDS.
- ▲ b. PATCH EDGES SHALL BE PARALLEL AND/OR PERPENDICULAR TO PAVEMENT EDGE (CURB LINE). PATCHES WITHIN 18 INCHES OF PAVEMENT EDGE SHALL BE EXTENDED TO THE PAVEMENT EDGE

CITY OF PACIFICA DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION	<u>STANDARD</u> TRENCH DETAILS NOTES	▲2	6/00	JDG	MAR. 1992
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