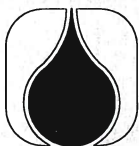


TRENCH SECTION

	PAVEMENT	SUBBASE		TRENCH BACKFILL		BEDDING /PIPE * BASE WATER MAIN	BEDDING /PIPE BASE SEWER MAIN
MATERIAL	ASPHALTIC OR CEMENT CONCRETE	CAB OR CMB	1-SACK CEMENT SLURRY	NATIVE / IMPORT ** OR CMB BACKFILL	1-SACK CEMENT SLURRY	IMPORT SAND SE > 30	3/4"- INCH CRUSHED ROCK
REQUIREMENTS	EXISTING THICKNESS PLUS ONE INCH	SAME THICKNESS AS EXISTING - 95% COMPACTION	WHEN REQUIRED	90% COMPACTION	WHEN REQUIRED	90% COMPACTION	90% COMPACTION
THICKNESS LIMITS	4-INCH MIN. 8-INCH MAX.	6-INCH MIN. 6-INCH IF NONE EXIST 9-INCH MAX	*USE WATER MAIN BEDDING AND PIPE BASE FOR ABS OR PVC SEWER PIPE		** IMPORT BACKFILL SHALL BE SAND EQUIVALENT (SE)>30		

TRENCH RESTORATION - WATER AND SEWER

WDS - 406



LONG BEACH
WATER DEPARTMENT

RECOMMEND

Ralph J. [Signature]
MANAGER OF ENGINEERING

APPROVED

[Signature]
CHIEF ENGINEER

DATE: 3/14/17

SCALE: N.T.S.

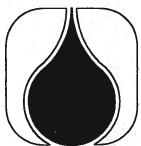
SHEET 1 OF 2

NOTES:

1. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE REQUIREMENTS PROVIDED IN THE LONG BEACH WATER DEPARTMENTS STANDARDS AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.
2. PERMANENT PAVEMENT RESTORATION SHALL COMMENCE WITHIN 14 WORKING DAYS FROM COMPLETION OF CONSTRUCTION OR AFTER A MAXIMUM OF 500 LINEAR FEET OF TRENCH CONSTRUCTION HAS BEEN COMPLETED, WHICHEVER COMES FIRST.
3. ALL CONCRETE OR CONCRETE OVERLAID STREETS AND ALLEYS SHALL BE SAW CUT TO FULL DEPTH OF PAVEMENT. SAWCUTTING OF ASPHALT PAVEMENT SHALL BE OPTIONAL. OTHER METHODS OF ASPHALT PAVEMENT CUTTING REQUIRES APPROVAL BY THE WATER DEPARTMENT PRIOR TO START OF CONSTRUCTION.
4. DURING CONSTRUCTION WHEN TEMPORARY ASPHALT IS USED. IT SHALL BE PLACED 4 INCH MIN THICK AND COMPACTED BY MEANS OF A SELF-PROPELLED STEEL WHEEL ROLLER.
5. WHEN ANY TRENCH PAVEMENT RESTORATION OCCURS WITHIN 3 FEET OF A CONSTRUCTION JOINT, EXPANSION JOINT, COLD JOINT, OR EDGE, THE PAVEMENT BETWEEN THE TRENCH AND THE JOINT, OR EDGE SHALL BE REMOVED AND REPLACED IN KIND WITH THE TRENCH PAVING.
6. COMPACTION TESTS SHALL BE PERFORMED DURING BACKFILL OPERATION AT 100 FOOT INTERVALS AT VARYING DEPTHS AS DETERMINED IN THE FIELD BY WATER DEPARTMENT AUTHORITY.
7. NATIVE SOIL DEEMED UNSUITABLE FOR BACKFILL BY THE WATER DEPARTMENT SHALL BE REPLACED WITH IMPORTED BACKFILL WITH A SAND EQUIVALENT GREATER THAN 30 OR CMB.
8. BACKFILL SHALL BE MECHANICALLY COMPACTED. NO JETTING IS ALLOWED.
9. TRENCH PATCH SHALL NOT BE CROWNED AT CENTER.
10. OUTER DIMENSION DOES NOT APPLY TO SINGLE EXCAVATIONS SMALLER THAN 5'x5'.
11. REPLACE OBLITERATED STRIPING WITHIN 7 DAYS OF PERMANENT PAVING.
12. FINISHED SURFACE PAVING SHALL BE PLACED NO SOONER THAN 5 DAYS NOR LATER THAN 10 DAYS AFTER BASE PAVING.
13. TEMPORARY TRAFFIC PLATING SHALL BE PER WDS-128.
14. BASE PAVING MAY BE ALLOWED TO REMAIN IN PLACE LONGER THEN 10 DAYS WITH APPROVAL OF THE WATER DEPARTMENT CHIEF ENGINEER.
15. TRENCH SUBGRADE SHALL BE INSPECTED BY THE ENGINEER FOR SUITABILITY. MATERIAL DEEMED UNSTABLE SHALL BE EXCAVATED AND REPLACED WITH COARSE CMB TO A DEPTH AS APPROVED BY THE ENGINEER.

TRENCH RESTORATION - WATER AND SEWER

WDS - 406



**LONG BEACH
WATER DEPARTMENT**

RECOMMEND

[Signature]
MANAGER OF ENGINEERING

APPROVED

[Signature]
CHIEF ENGINEER

DATE: 3/14/17

SCALE: N.T.S.

SHEET 2 OF 2