



**ORDER OF PREFERRED LOCATIONS:**

- 1 - OPEN TRENCH WITHIN THE SIDEWALK AREA FOR STREET PAVEMENT LESS THAN 5 YEARS OLD.
- 2 - OPEN TRENCH WITHIN THE ROADWAY ADJACENT TO THE GUTTER FOR STREET PAVEMENT 5 OR MORE YEARS OLD.
- 3 - FOR OPEN TRENCH WITHIN THE SIDEWALK, ALL THE AFFECTED SIDEWALK PANELS SHALL BE REPLACED.
- 4 - DEEP BORE UNDER EXISTING SIDEWALK OR IN THE ROADWAY MAY BE REQUIRED PER THE CITY ENGINEER. DEPTH OF SEWER MAIN PLUS 1' MIN.
- 5 - ALL UTILITY CONDUITS MUST BE A MINIMUM OF 5' HORIZONTAL 1' VERTICAL FROM ANY CITY MAIN LINE UTILITIES (WATER, SEWER, STORM DRAIN).
- 6 - FOR W1, W2, W3 DIMENSIONS. SEE STD. PLANS 1102 (LOCAL STREETS) AND 1103B (ARTERIAL STREETS).
- 7 - FOR CLEARANCES FROM NON-CITY OWNED UTILITIES, CONTACT UTILITY COMPANIES.

**GENERAL NOTES:**

- FOR TRENCH BEDDING, BACKFILL AND PAVEMENT REPAIR SEE STD. PLAN NO. 1150 AND 1151
- WATER AND SEWER MAINS CROSSING STRUCTURES OR STRUCTURAL ELEMENTS SHALL BE SLEEVED/ENCASED PER STANDARD PLAN 1429.



APPROVED: *[Signature]* DATE: 7/22/16  
CITY ENGINEER

CITY OF SANTA ANA  
PUBLIC WORKS AGENCY

DATE	REVISION
06/01/00	SA REVISED NOTES AND DETAIL.
12/14/00	SA REVISED STANDARD PLAN NUMBER.
09/23/03	SA REVISED NOTES.

UTILITY TRENCH DETAIL  
TYPICAL UTILITY LOCATIONS

STD. PLAN NUMBER  
1140