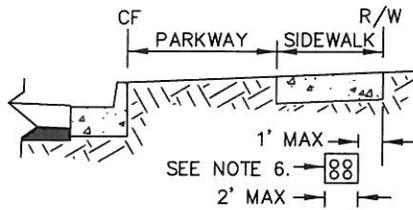


TYP. UTILITY LAYOUT  
(SECTION LOOKING NORTH AND WEST) NTS

- CF = CURB FACE
- SW = SIDEWALK
- R/W = RIGHT OF WAY
- DW = DOMESTIC WATER
- L = STREET LIGHTING
- SD = STORM DRAIN
- S = SEWER
- T = TELEPHONE
- TV = CABLE TELEVISION
- E = ELECTRICAL
- SI = SIGNAL INTERCONNECT
- FO = CITY FIBER OPTIC



JOINT UTILITY TRENCH  
SECTION A-A

\* FINAL LOCATION TO BE DETERMINED BASED ON LANE CONFIGURATION, MANHOLES AND VALVES TO BE PLACED OUTSIDE THE VEHICLE WHEEL LINE.

**NOTES**

1. PROVIDE 1' MINIMUM CLEARANCE AT UTILITY CROSSINGS
2. BETWEEN CURBS, COVER FOR LATERALS SHALL NOT BE LESS THAN 30" BELOW ROADWAY SURFACE.
3. MINIMUM SEPARATION BETWEEN WATER AND SEWER SHALL BE PER CITY STANDARD DRAWING NUMBER 4001.
4. VARIATIONS FROM STANDARD WILL REQUIRE PRIOR APPROVAL FROM CITY ENGINEER.
5. SEE CITY STANDARD DRAWING NUMBER 5014 FOR CURB RETURN AREA CLEAR ZONES.
6. A SINGLE, 2' WIDE MAXIMUM COMMON DRY UTILITY DUCT BANK (TO INCLUDE ELECTRIC, TELEPHONE, GAS, AND FIBER OPTICS) WILL BE ALLOWED. MINIMUM COVER WILL BE 42" TO CROSS THE CLEAR ZONE PER CITY STANDARD DRAWING NUMBER 5203 AND SHALL NOT BE LOCATED MORE THAN 1-FOOT OFF OF THE RIGHT-OF-WAY LINE.
7. PROVIDE 4' MINIMUM WALL TO WALL CLEARANCE FOR ALL UTILITIES.



APPROVED BY:				
<i>Louis A. Bi-Younes</i> 44485 10-21-15				
LOUIS ABI-YOUNES, PE, CITY ENGINEER		RCE	DATE	
RECOMMENDED:				
<i>Raymond Lee</i> 59059 10/20/15				
RAYMOND LEE, PE, ASSISTANT CITY ENGINEER		RCE	DATE	
REV	DESCRIPTION	BY	APP'D	DATE

<b>CITY OF ONTARIO</b>	
<b>UTILITY LOCATIONS FOR LOCAL STREET OPTION 1</b>	STANDARD DRAWING NUMBER <b>1313</b>