



NOTES:

- EVERY EFFORT SHALL BE MADE TO PLACE THE STORMWATER DRAINAGE CONDUIT OR FRANCHISE UTILITY LINE BELOW THE WATER LINE. WHEN NO OTHER OPTIONS ARE AVAILABLE AND ONLY WITH PRIOR APPROVAL BY DIRECTOR OF PUBLIC WORKS OR HER/HIS DESIGNEE WILL THIS DETAIL BE UTILIZED.
- NEW STORMWATER DRAINAGE CONDUIT OR FRANCHISE UTILITY LINE SHALL BE LAID TO PROVIDE A MIN. VERTICAL DISTANCE OF 24 IN. BETWEEN THE BOTTOM OF THE UPPER PIPE AND THE PIPE BELL OF THE LOWER PIPE.
- ARRANGE CROSSING SO THAT THE STORMWATER DRAINAGE CONDUIT OR FRANCHISE UTILITY PIPE JOINTS AND THE WATER MAIN PIPE JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING (PIPES CENTERED ON THE CROSSING).
- NO WATER SERVICE WILL BE PERMITTED IN THE CONFINES OF THE WATER LINE AS DETAILED ABOVE.
- DUCTILE IRON MECHANICAL JOINT 45° FITTINGS WITH "MEGA-LUG" RETAINER GLANDS OR PRE-APPROVED EQUAL. REQUIRES BLOCKING. SEE DETAILS [W-3A](#), [W-3E](#) AND [W-4](#).
- CENTER 18 FT. MIN. SECTION OF STORMWATER DRAINAGE CONDUIT OR FRANCHISE UTILITY PIPE OVER WATER PIPE.
- FROM THE SPRING LINE OF THE WATER LINE TO 8 IN. ABOVE THE PIPE BELL OF THE WATERLINE PROVIDE 2,000 PSI CONCRETE CAP WHICH EXTENDS 4 FT. BEYOND THE OUTERMOST EDGES OF THE STORMWATER DRAINAGE CONDUIT OR FRANCHISE UTILITY LINE. PRIOR TO PLACING CONCRETE, THE WATER LINE SHALL BE WRAPPED IN 8 MIL POLYWRAP EXTENDING 1 FT. PAST THE LIMITS OF CONCRETE.

EMBEDMENT FOR NEW STORMWATER DRAINAGE CONDUIT OR FRANCHISE UTILITY LINE CROSSING OVER NEW OR EXISTING WATER LINE

(NO SCALE)



ENGINEERING DIVISION

DISCLAIMER: THE USE OF THIS STANDARD IS GOVERNED BY THE "TEXAS ENGINEERING PRACTICE ACT". NO WARRANTY OF ANY KIND IS MADE BY THE CITY OF WACO FOR ANY PURPOSE WHATSOEVER. THE CITY OF WACO ASSUMES NO RESPONSIBILITY FOR THE CONVERSION OF THIS STANDARD TO OTHER FORMATS OR FOR INCORRECT RESULTS OR DAMAGES RESULTING FROM ITS USE.

REVISIONS			
NO.	COMMENTS	BY	DATE
2	MODIFY NOTE 5; REVISE GRAPHIC TO MATCH NOTES 2 AND 7	MZ	11/15/2024
1	MODIFY DETAIL TO SHOW CHANGE CLSM ENCASMENT TO CONCRETE CAP; MODIFY NOTES	MZ	04/19/2024
##	DESCRIPTION	FL	MM/DD/YYYY

DATE
01/01/2024

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