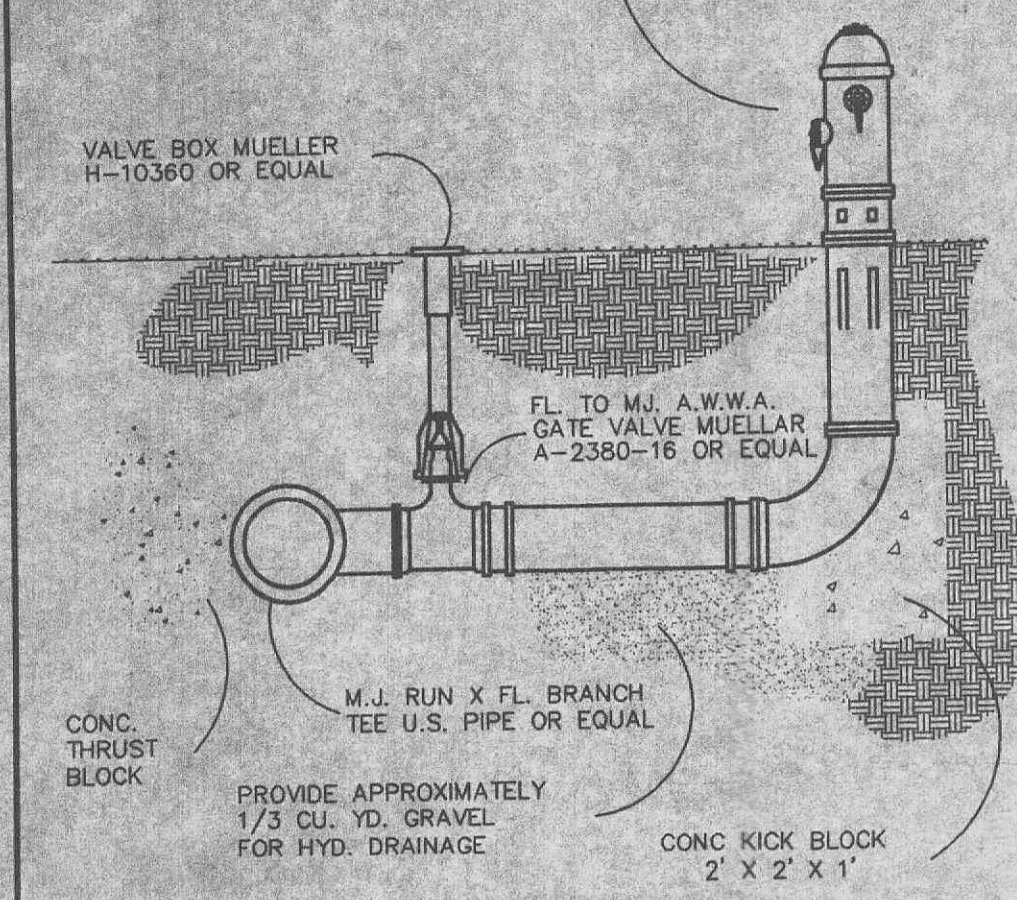
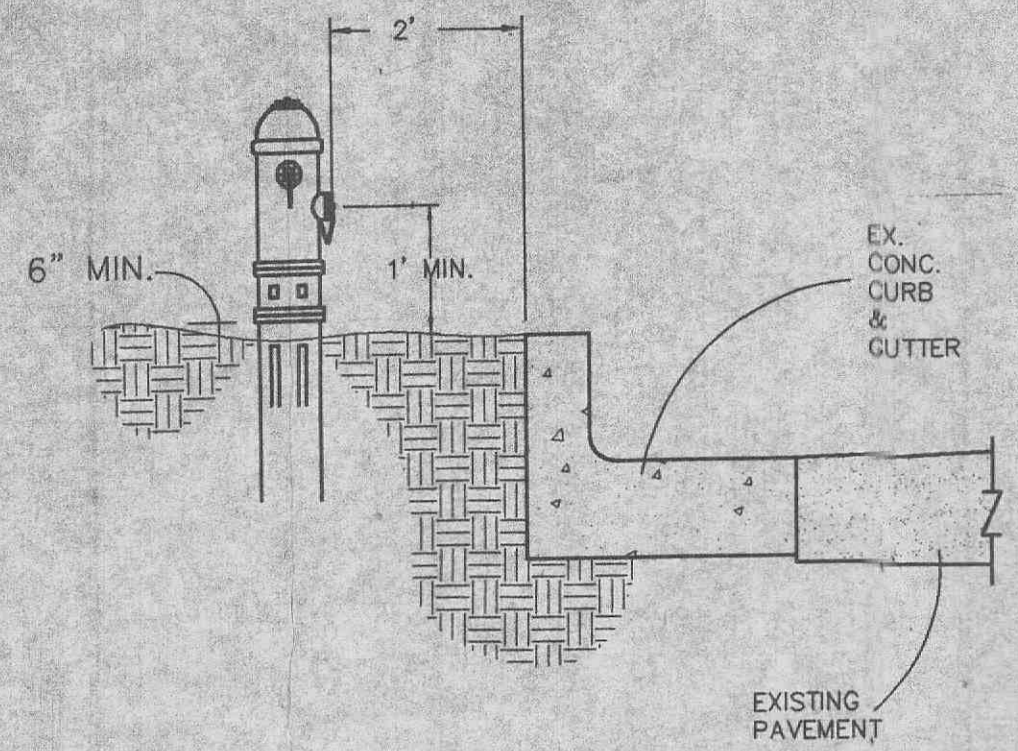


NOTE: FOR 6" W.M. AND LARGER 6" 3-WAY HYDRANTS ARE TO BE USED. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO INSURE THAT HYDRANT DRAIN (WEEP HOLE) REMAINS OPEN.

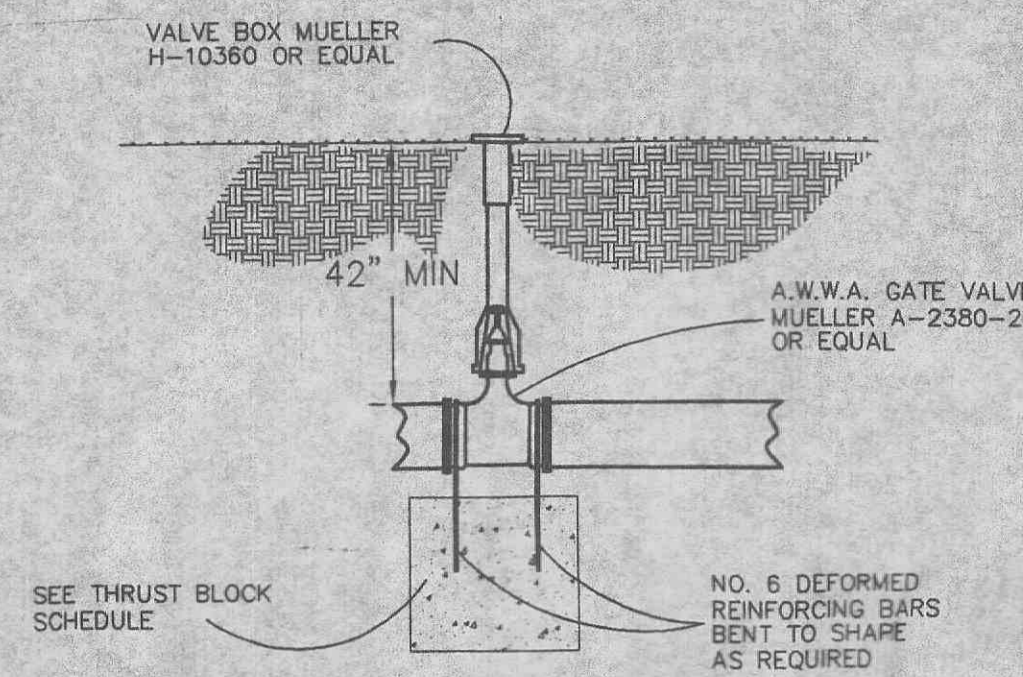
IMPROVED A.W.W.A. TYPE THREE-WAY HYDRANT MUELLER CENTURION A-421 LEFT CITY TYPE OR EQUAL PAINTED SILVER & BLUE PER CITY SPECS.



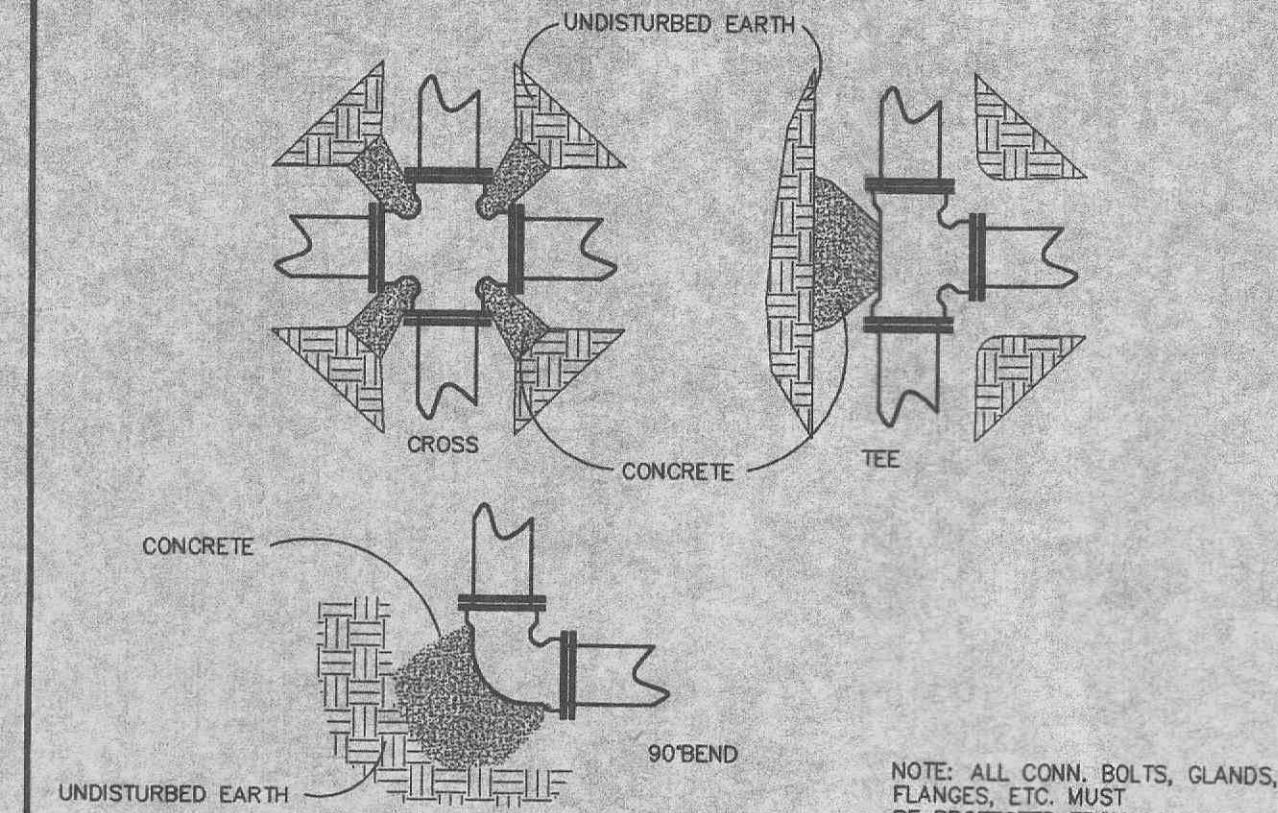
FIRE HYD. INSTALLATION DETAIL N.T.S.



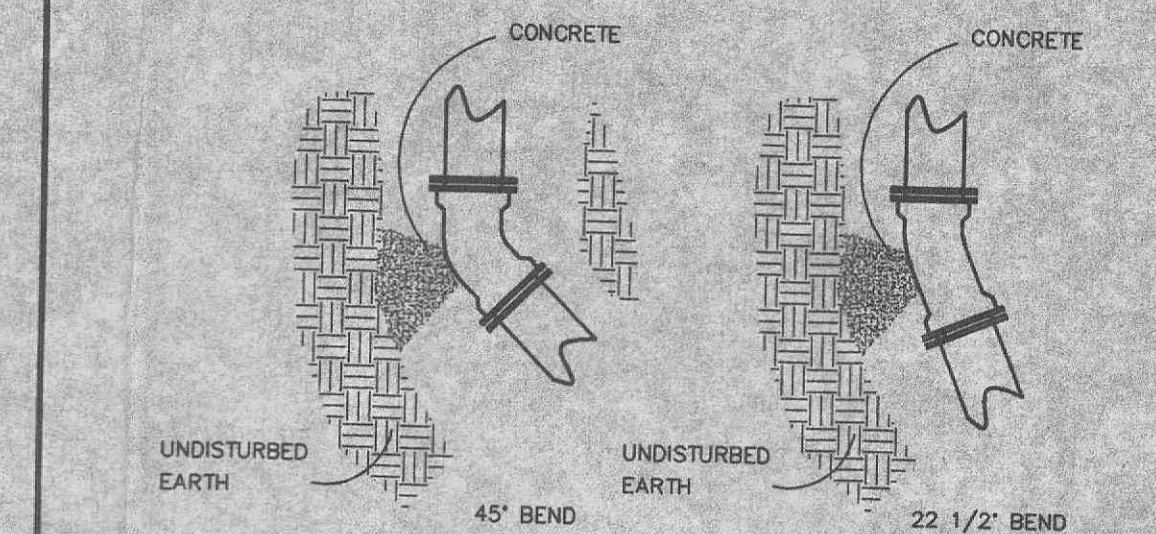
FIRE HYD. LOCATION DETAIL N.T.S.



GATE VALVE W/ THRUST BLOCK DETAIL N.T.S.



TYPICAL THRUST BLOCK DETAILS N.T.S.

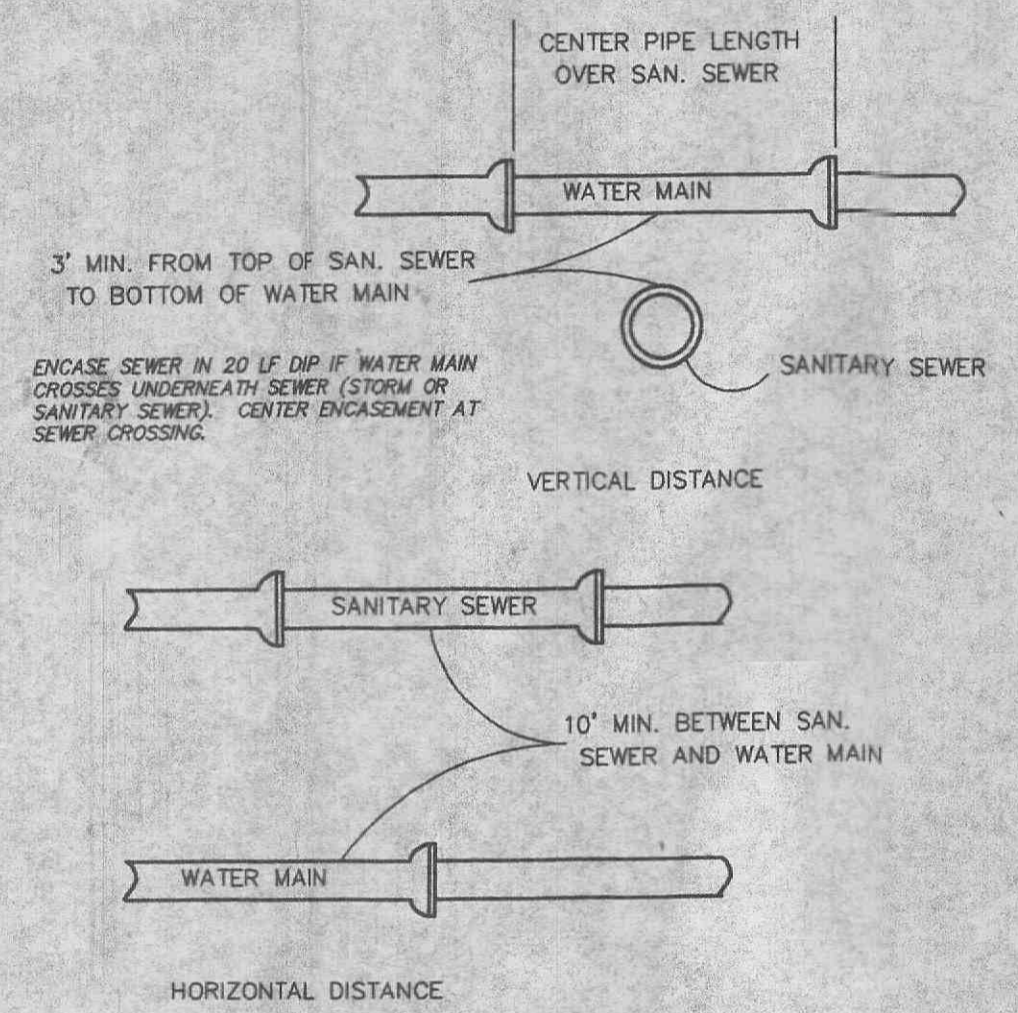


TYPICAL THRUST BLOCK DETAILS N.T.S.

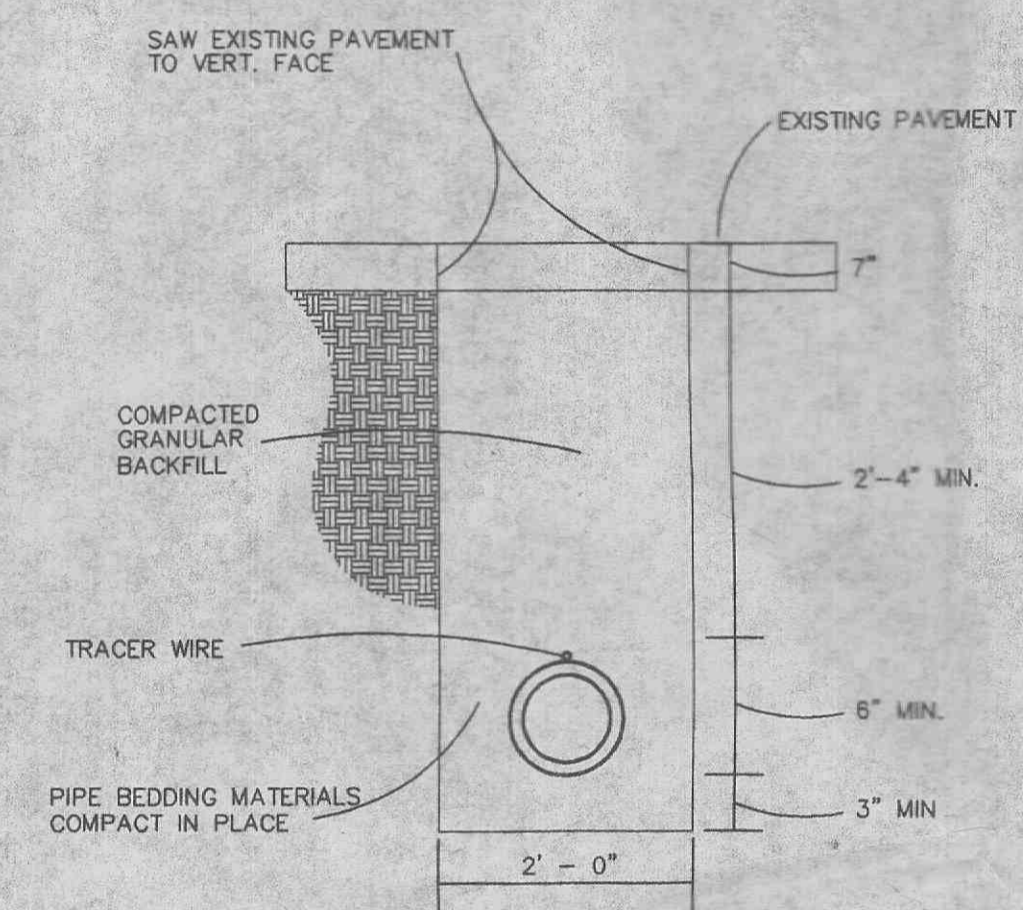
NOTE: WATERLINES SHALL BE INSTALLED WITH A # 12 SOLID COPPER INSULATED TRACER WIRE.

MAIN SIZE	MIN. THRUST BLOCK BEARING DIMENSIONS TO BEAR AGAINST UNDISTURBED EARTH					
	90°	45°	22 1/2°	TEE	VALVE	CROSS
4"	1' X 2'	1' X 1'	1' X 1'	2' X 1'	2' X 1'	1' X 1'
6"	1.5' X 3'	1.5' X 2.5'	1' X 1.5'	2' X 1.5'	2' X 1'	1' X 1.5'
8"	2' X 4'	2' X 2.5'	1' X 2'	2' X 2.5'	2' X 2'	2' X 2.5'
10"	3' X 4'	2' X 2.5'	1.5' X 2'	2' X 3.5'	2' X 3'	2' X 2'

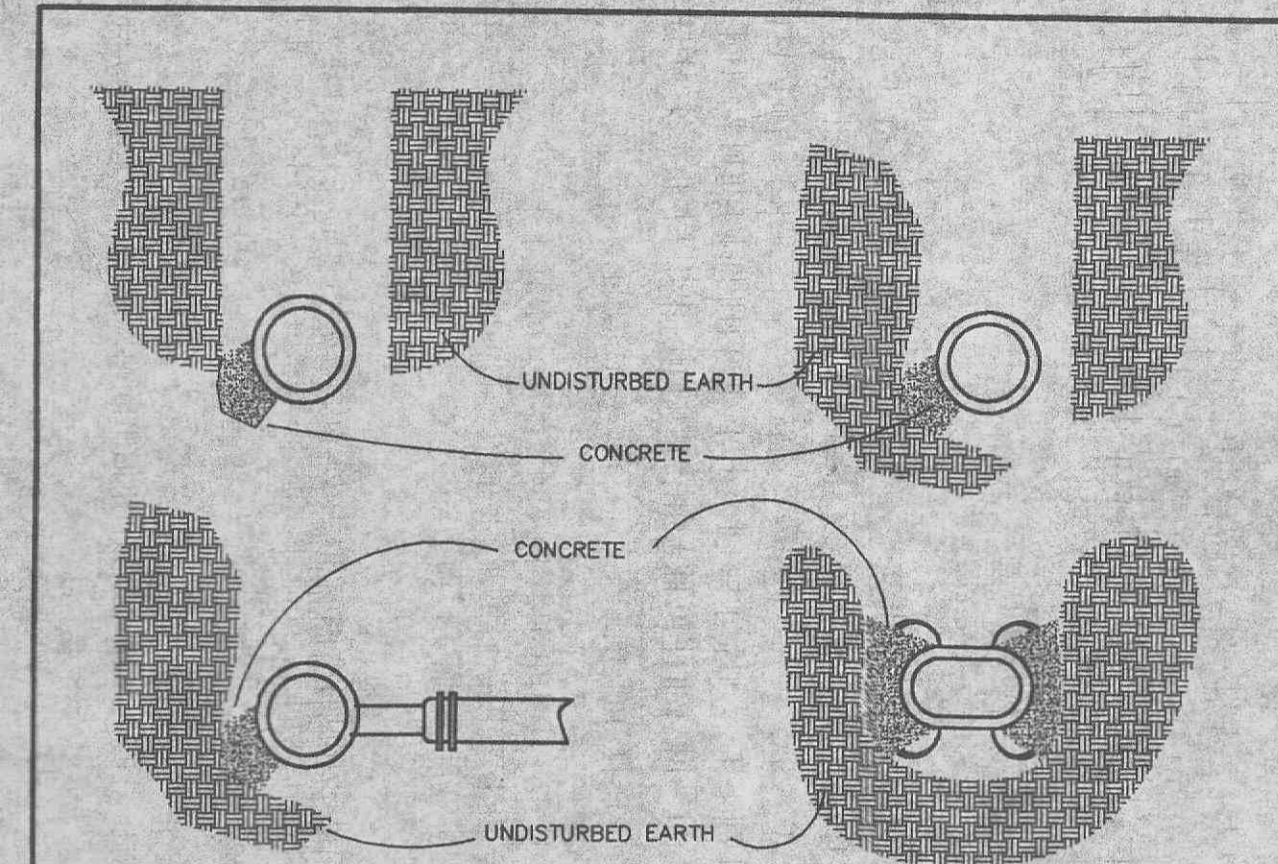
THRUST BLOCK SCHEDULE N.T.S.



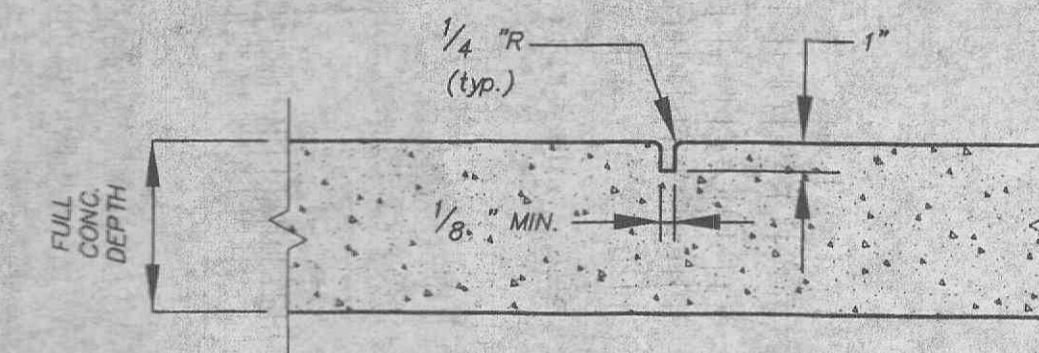
TYPICAL WATER & SEWER SEPARATION N.T.S.



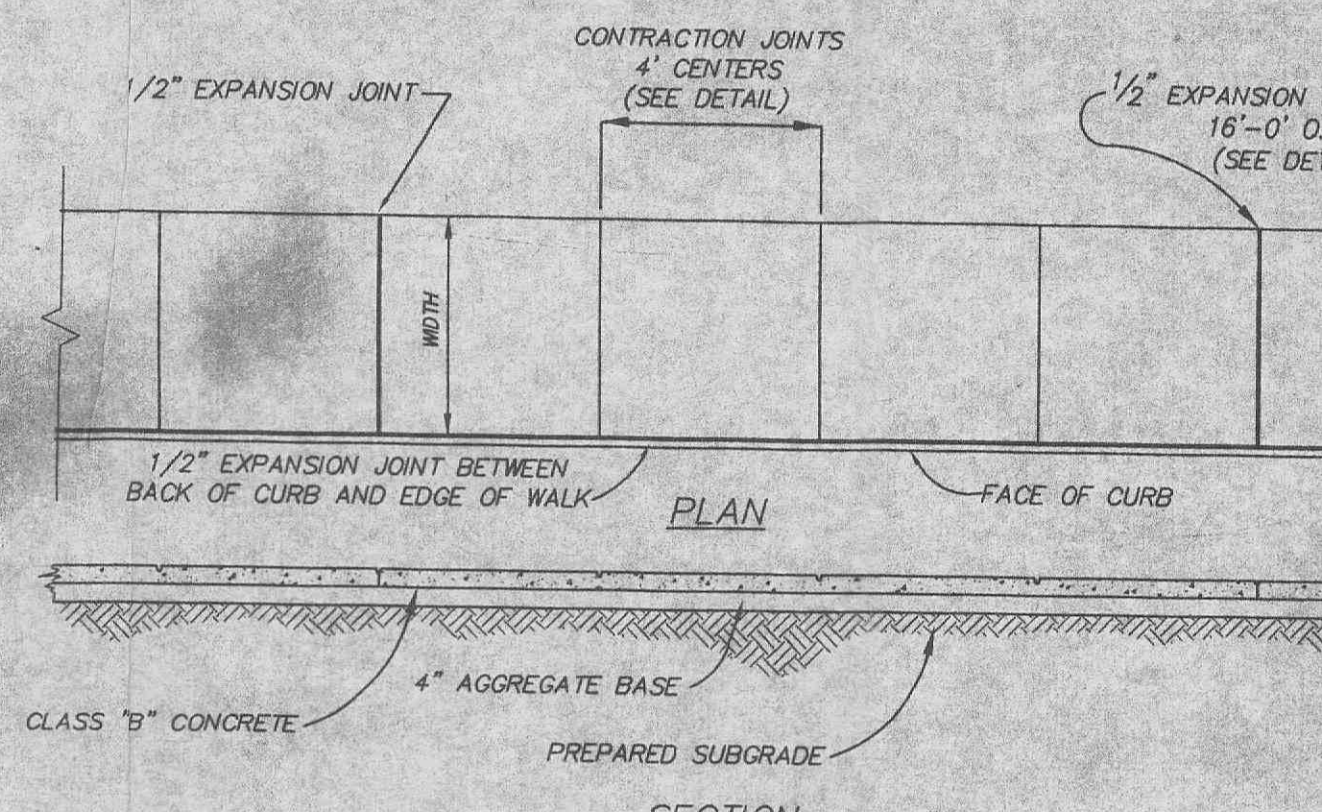
TYPICAL PAVED STREET OR ROAD TRENCH BACKFILL & SURFACE REPLACEMENT DETAIL N.T.S.



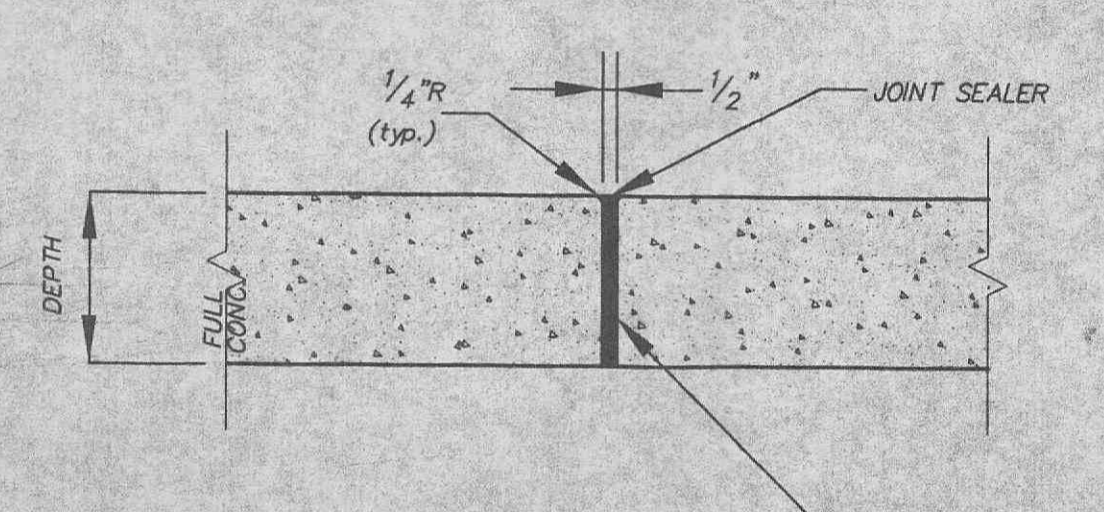
TYPICAL THRUST BLOCK DETAILS N.T.S.



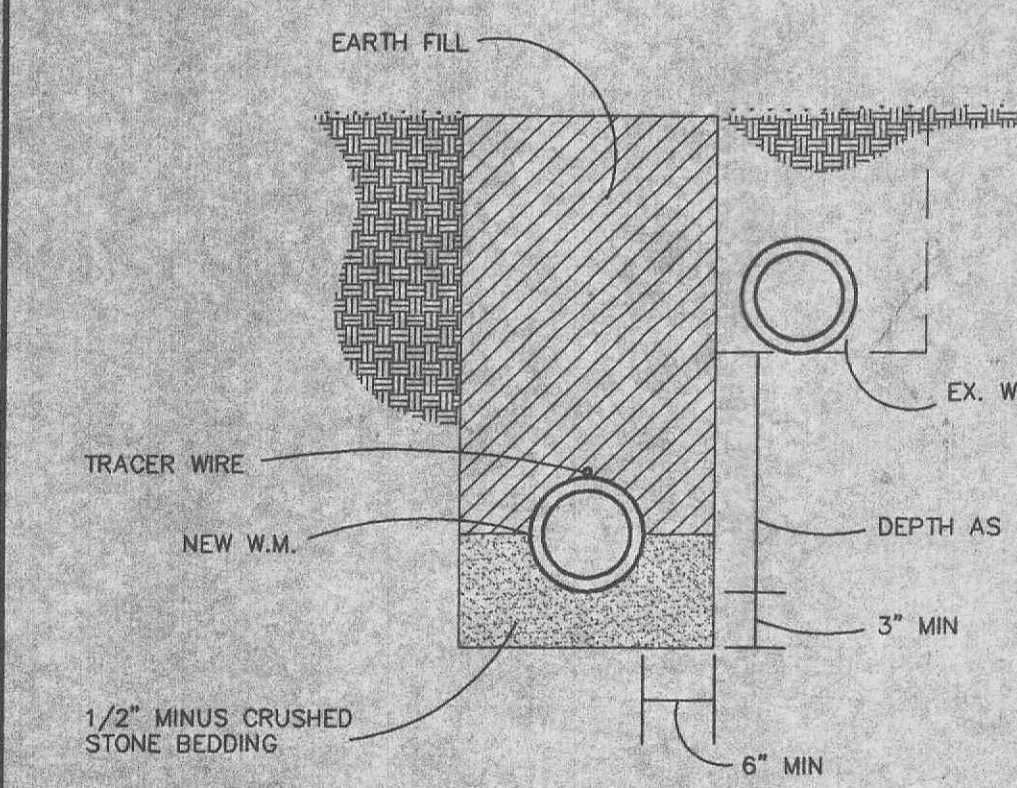
SIDEWALK CONTRACTION JOINT AT INTERVALS NOT TO EXCEED 4' (SEE SIDEWALK DETAIL) N.T.S.



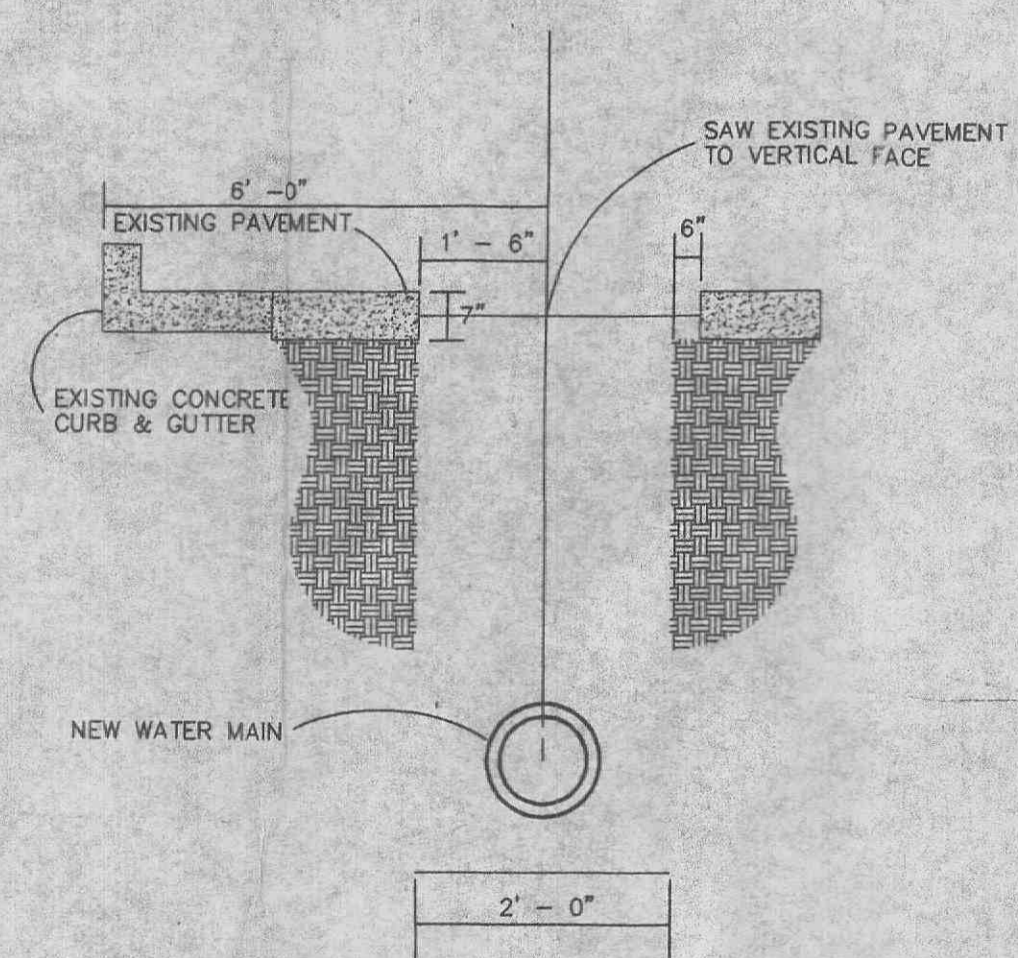
CONCRETE SECTION DETAIL N.T.S.



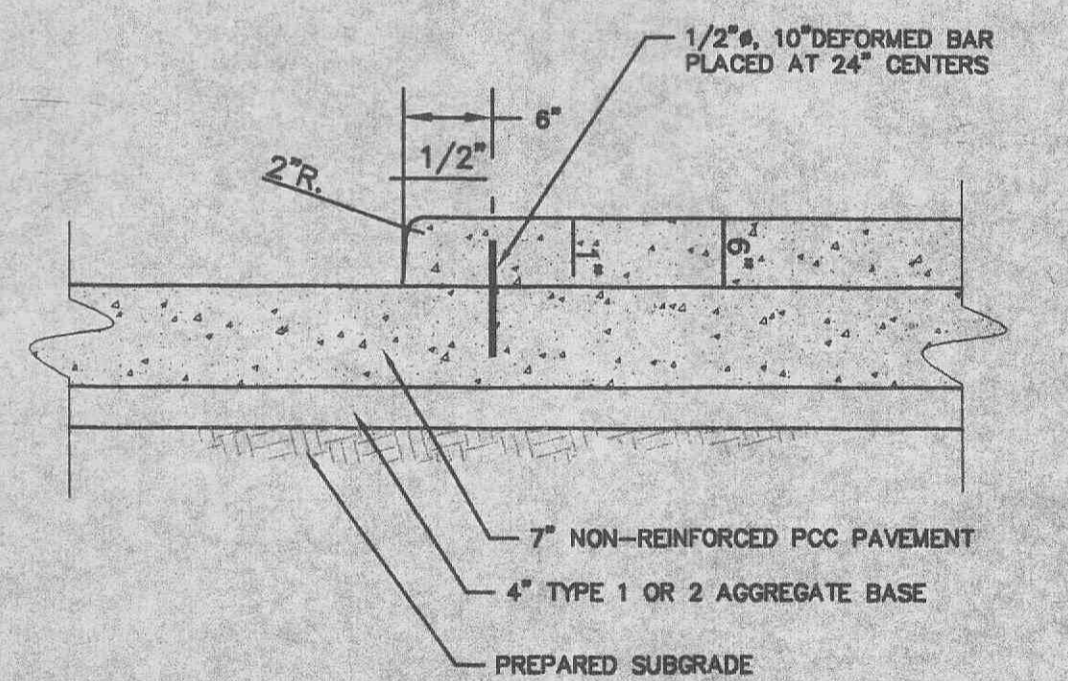
CURB AND SIDEWALK EXPANSION JOINT N.T.S.



TYPICAL WATER MAIN LOWERING DETAIL N.T.S.



TYPICAL TRENCH EXCAVATION IN PAVED STREETS N.T.S.



6" CONCRETE MEDIAN STRIP N.T.S.