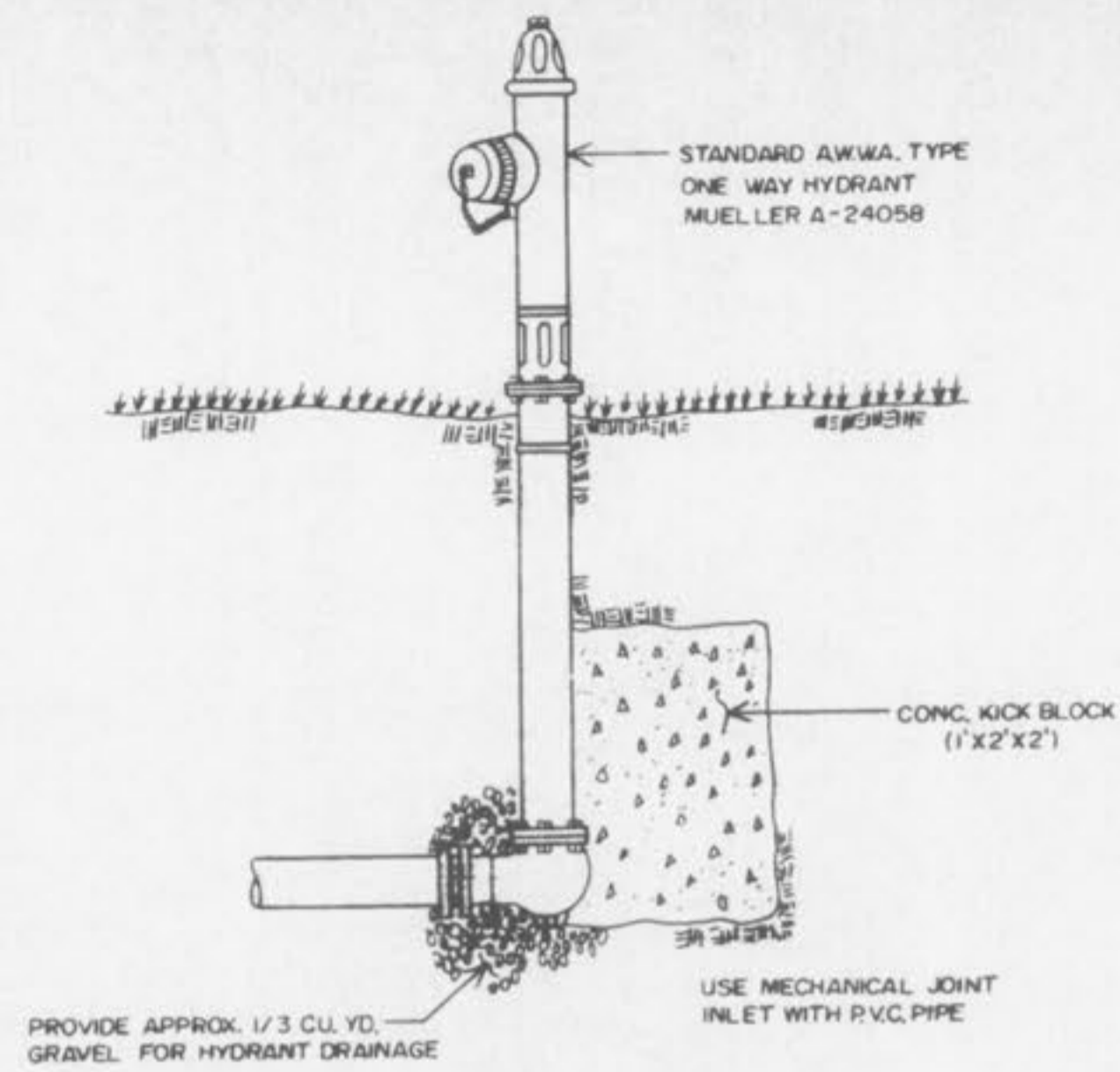
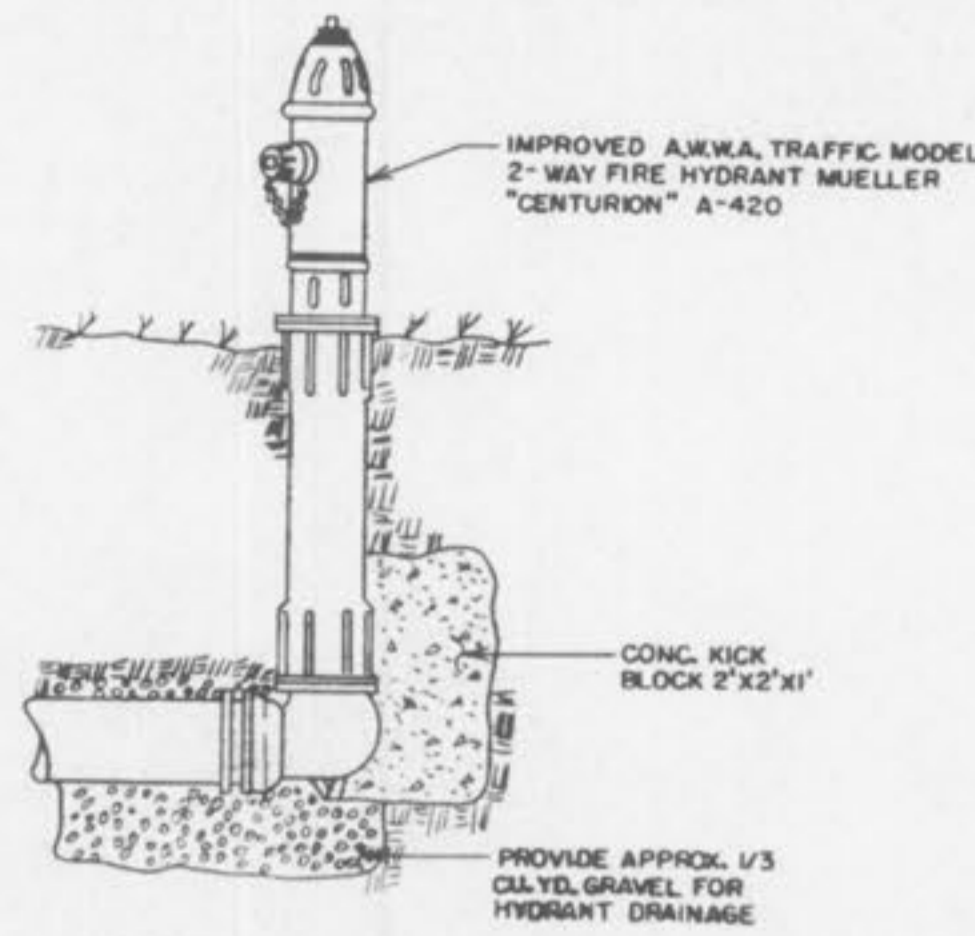


FIRE HYDRANT INSTALLATION DETAIL
NO SCALE

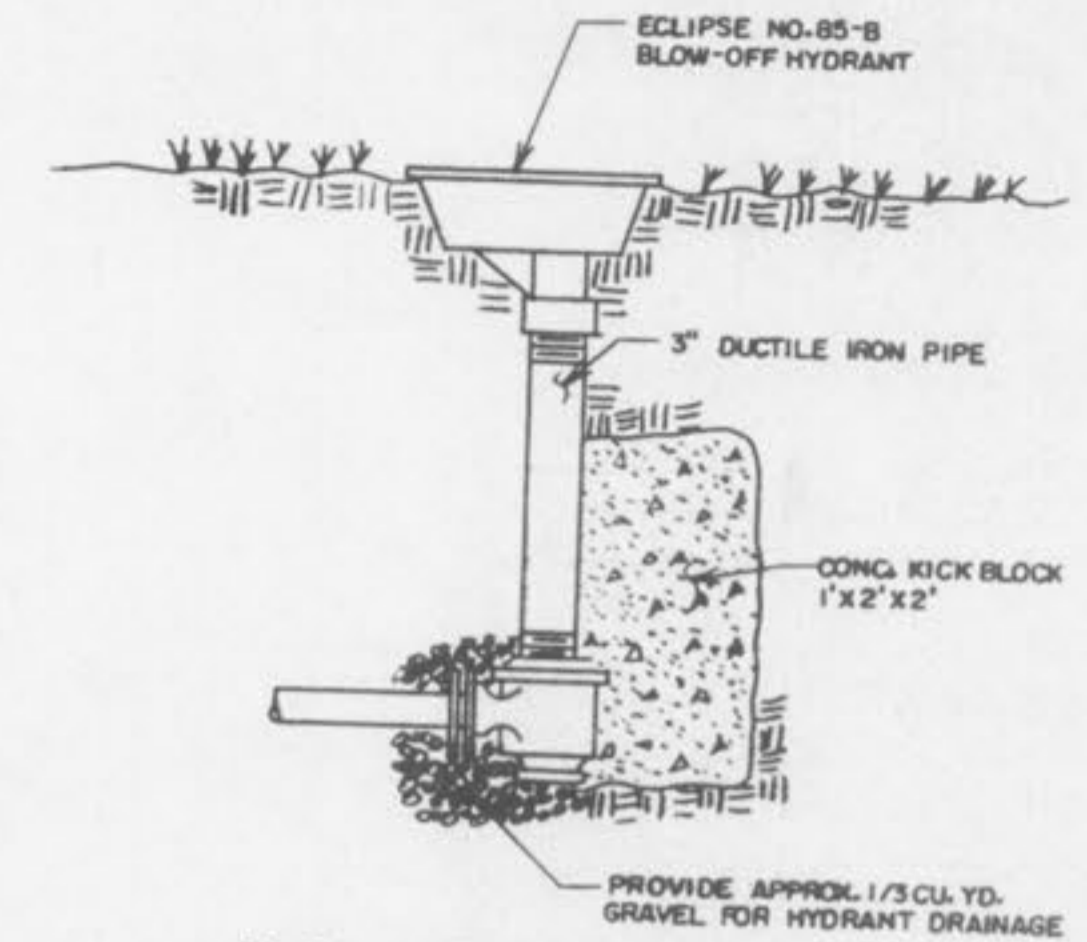
NOTE:
FOR 6" W.M. AND LARGER 6" 3-WAY HYDRANTS ARE TO BE USED
CONTRACTOR MUST TAKE ALL NECESSARY PRECAUTIONS TO INSURE THAT HYDRANT DRAIN (WEEP HOLE) REMAINS OPEN



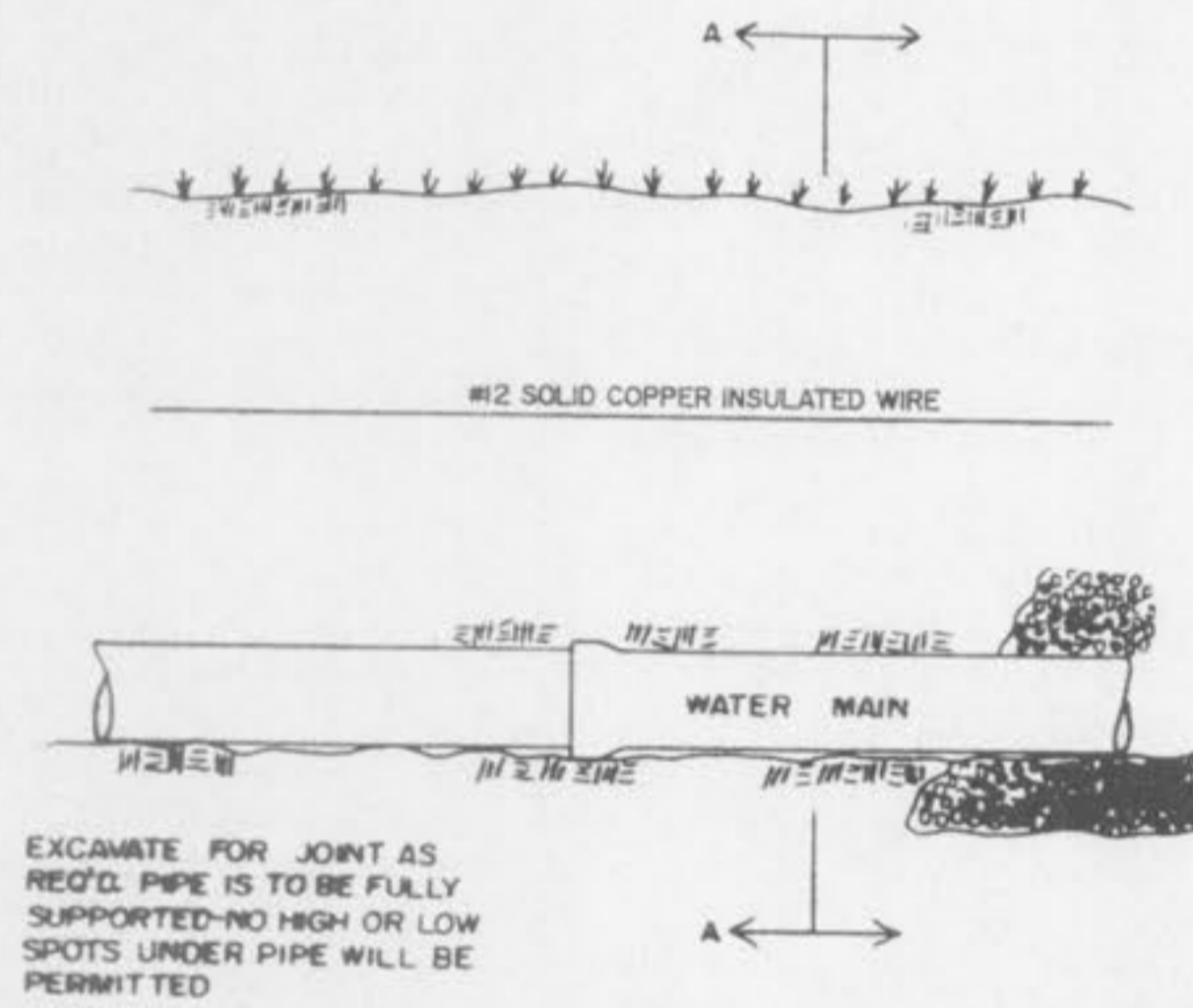
FLUSHING HYDRANT
NO SCALE



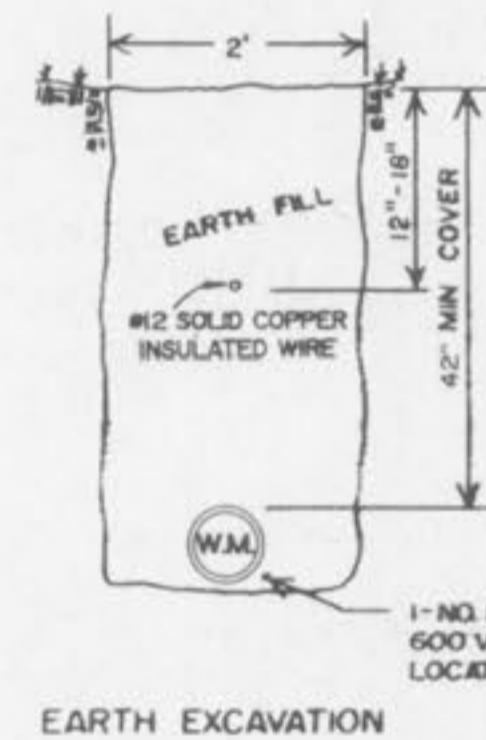
FIRE HYDRANT INSTALLATION DETAIL
NO SCALE



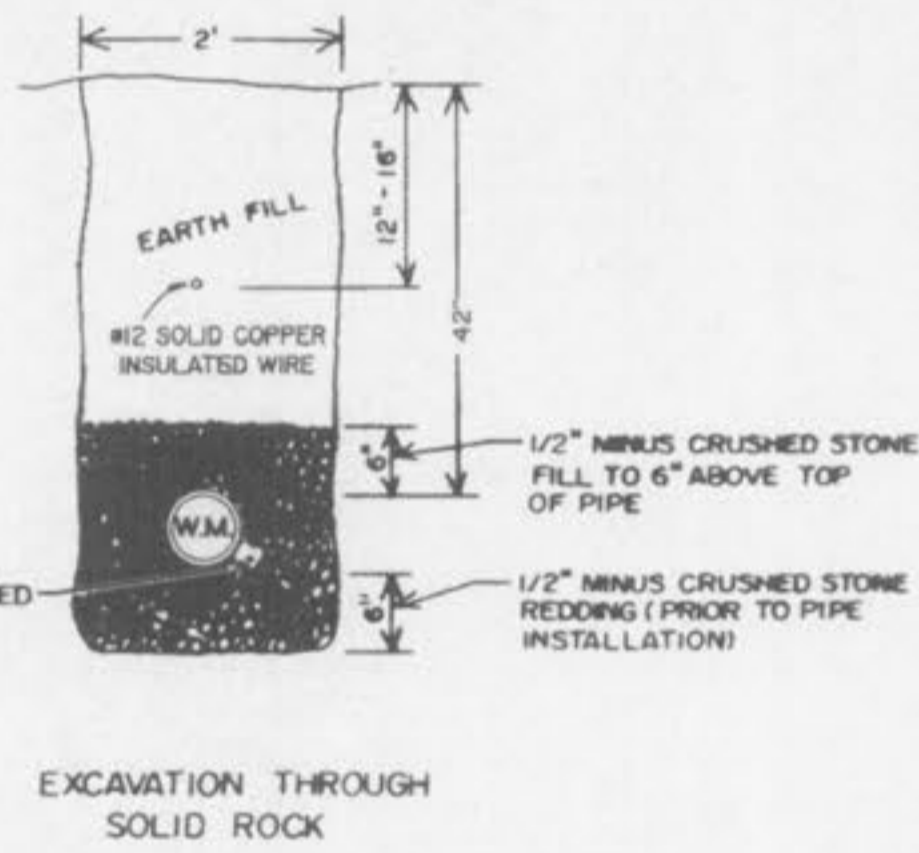
BLOW-OFF HYDRANT
NO SCALE



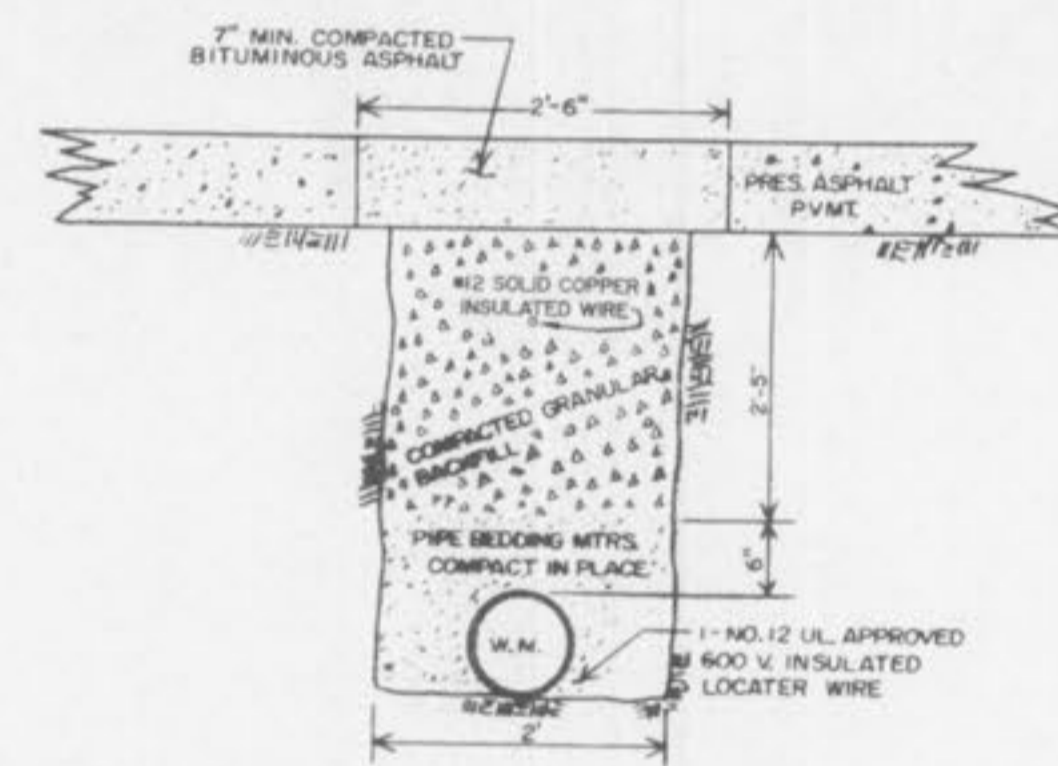
TYPICAL WATER MAIN TRENCHING DETAIL
N.T.S.



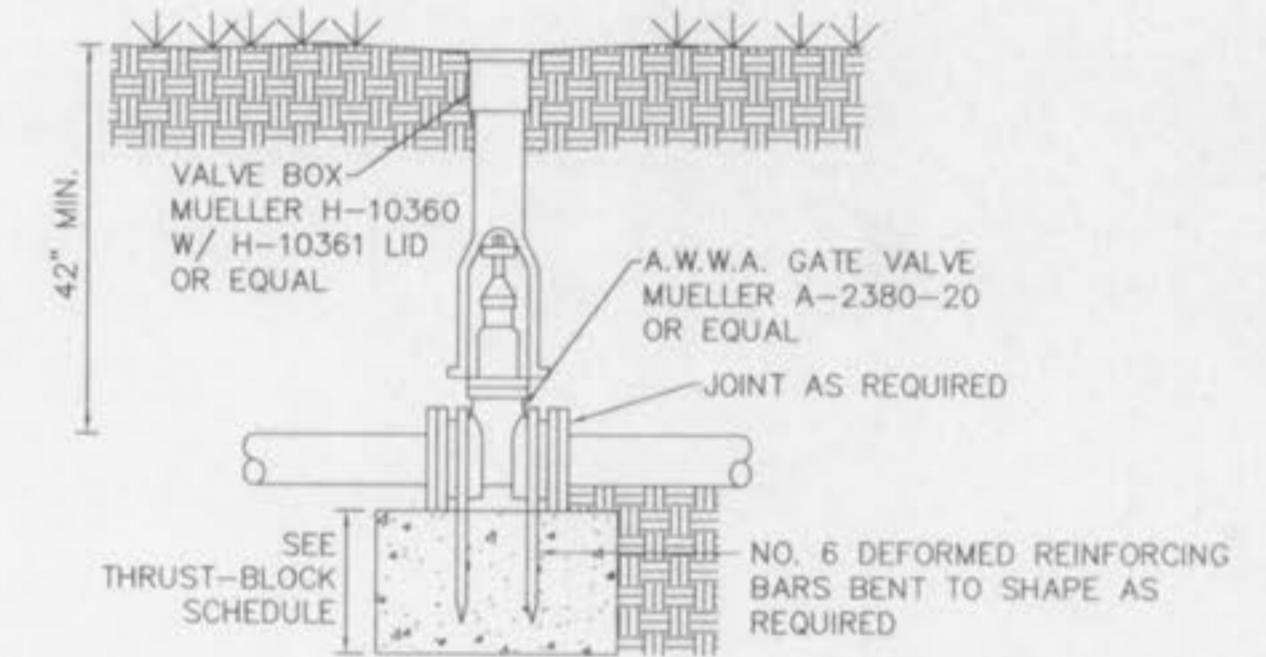
EARTH EXCAVATION



EXCAVATION THROUGH SOLID ROCK



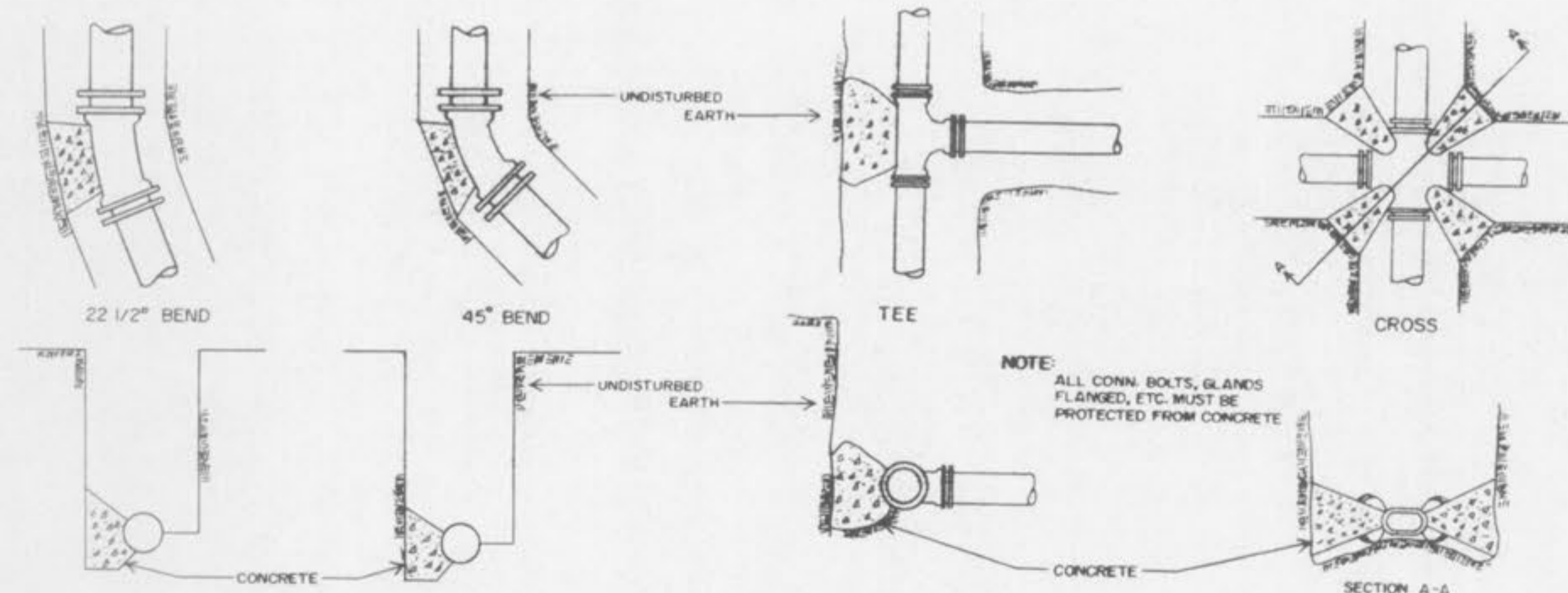
TYPICAL PAVED STREET OR ROAD TRENCH BACKFILL & SURFACE REPLACEMENT DETAIL
SCALE: 1" = 1'-0"



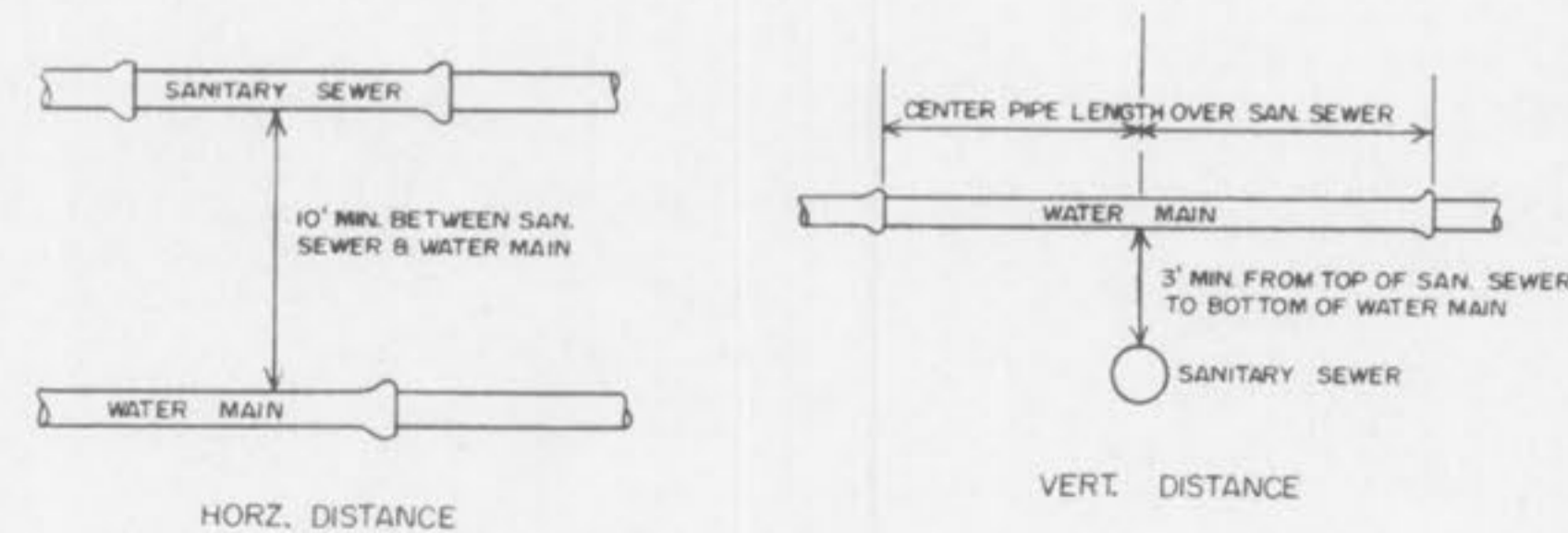
GATE VALVE W/THRUST BLOCK
N.T.S.

MAIN SIZE (I.D.)	MIN. THRUST BLOCK BEARING DIMENSIONS TO BEAR AGAINST UNDISTURBED EARTH				
	45° BEND	22 1/2° BEND	TEE	VALVE	CROSS
2"	.5' X 1'	.5' X 1'	.5' X 1'	.5' X 1'	.5' X 1'
4"	1' X 1'	1' X 1'	2' X 1'	2' X 1'	1' X 1'
6"	1.5' X 1'	1' X 1'	2' X 1'	2' X 1'	1' X 1'
8"	2' X 1'	1' X 1'	2' X 2.5'	2' X 2'	1' X 1.5'
10"	2' X 2.5'	1.5' X 2'	2' X 3.5'	2' X 3'	2' X 2'
12"	2' X 3.5'	1.5' X 2.5'	3' X 3.5'	3' X 3'	2' X 3'
16"	3' X 4'	2' X 3'	4' X 4.5'	3' X 4.5'	3' X 3.5'

THRUST-BLOCK SCHEDULE



TYPICAL THRUST-BLOCK DETAIL
N.T.S.



TYPICAL WATER & SEWER SEPARATION
NO SCALE

IMPROVEMENT PLANS
PEACEFUL VALLEY
WATER DETAILS

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S E S



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