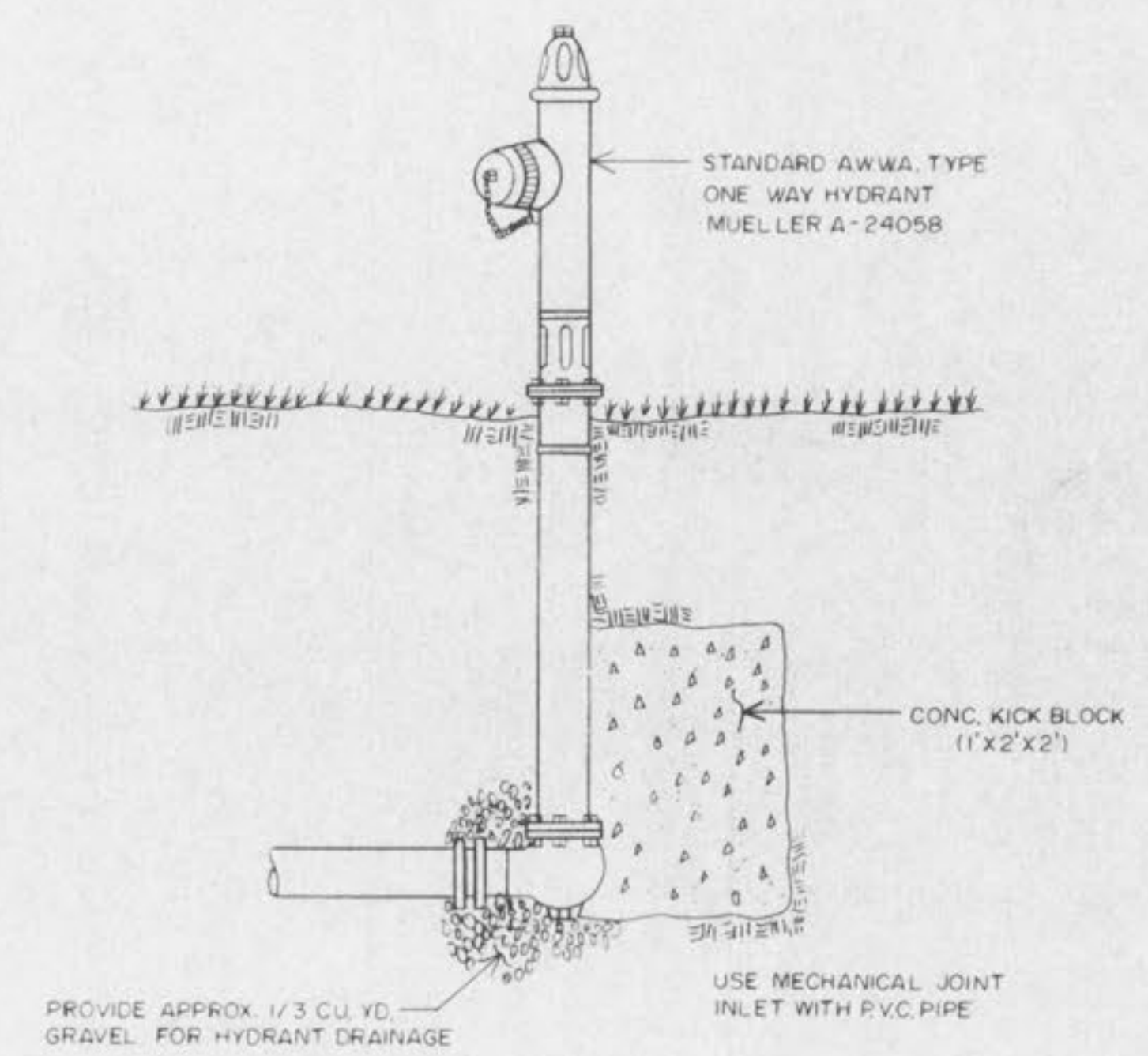
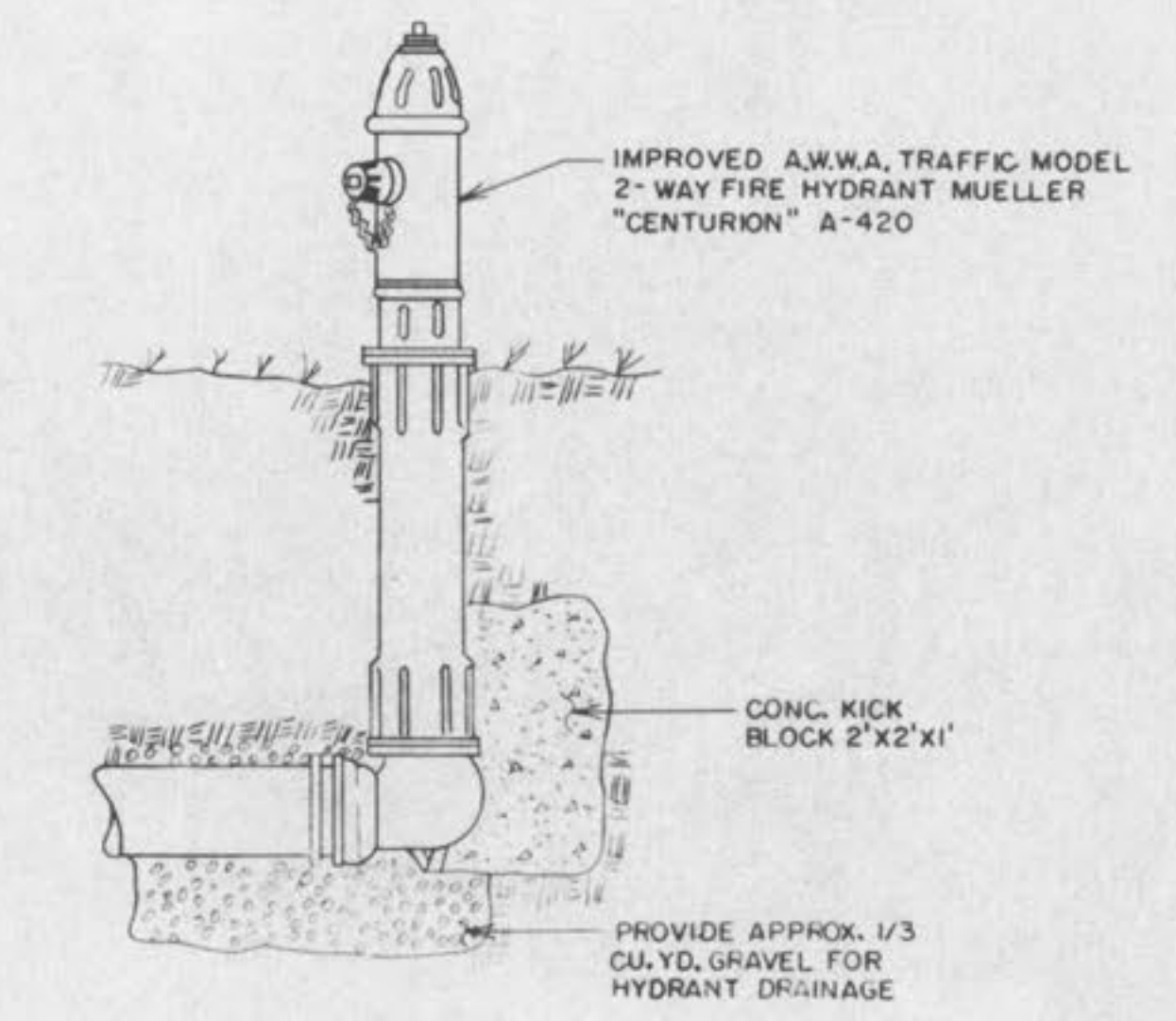


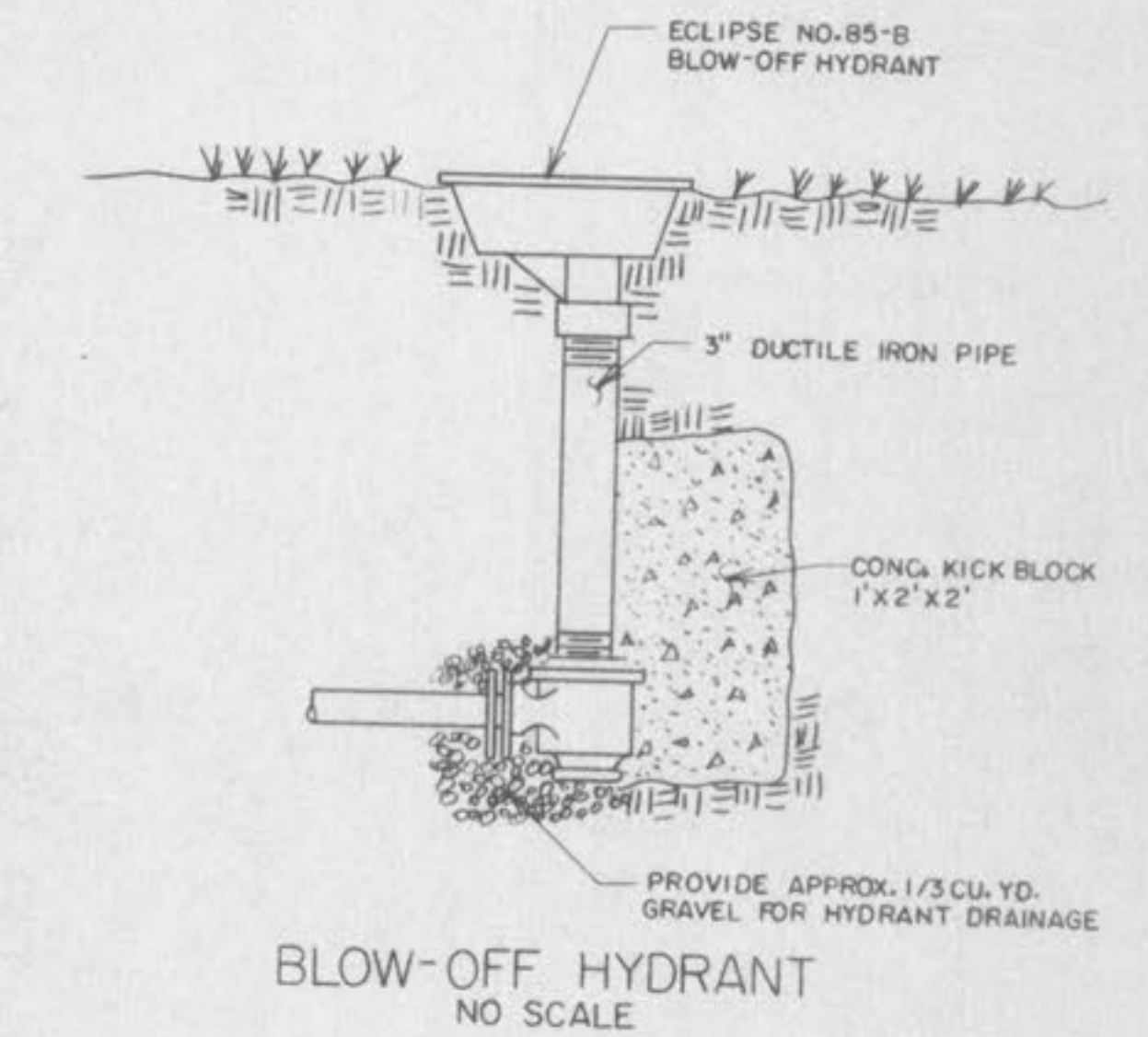
FIRE HYDRANT INSTALLATION DETAIL  
NO SCALE



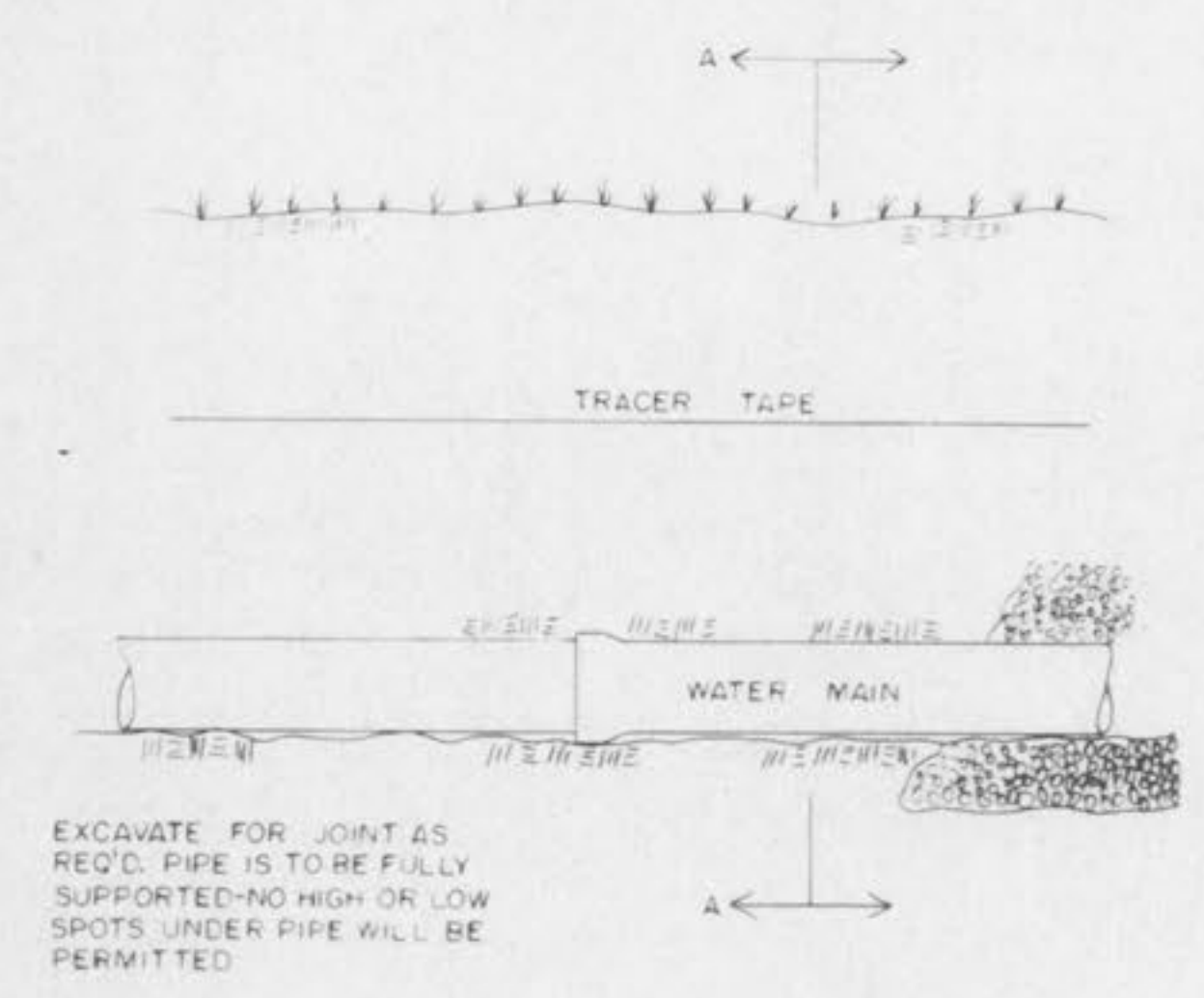
FLUSHING HYDRANT  
NO SCALE



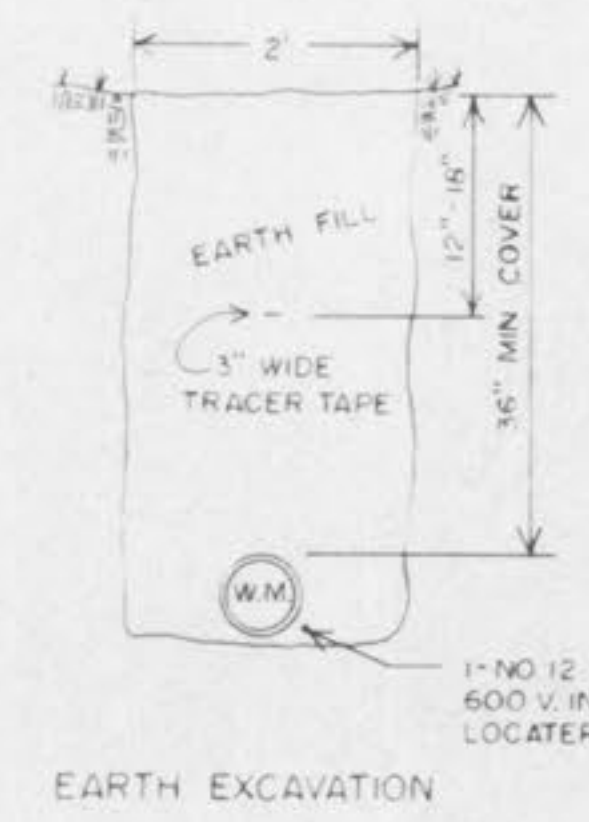
FIRE HYDRANT INSTALLATION DETAIL  
NO SCALE



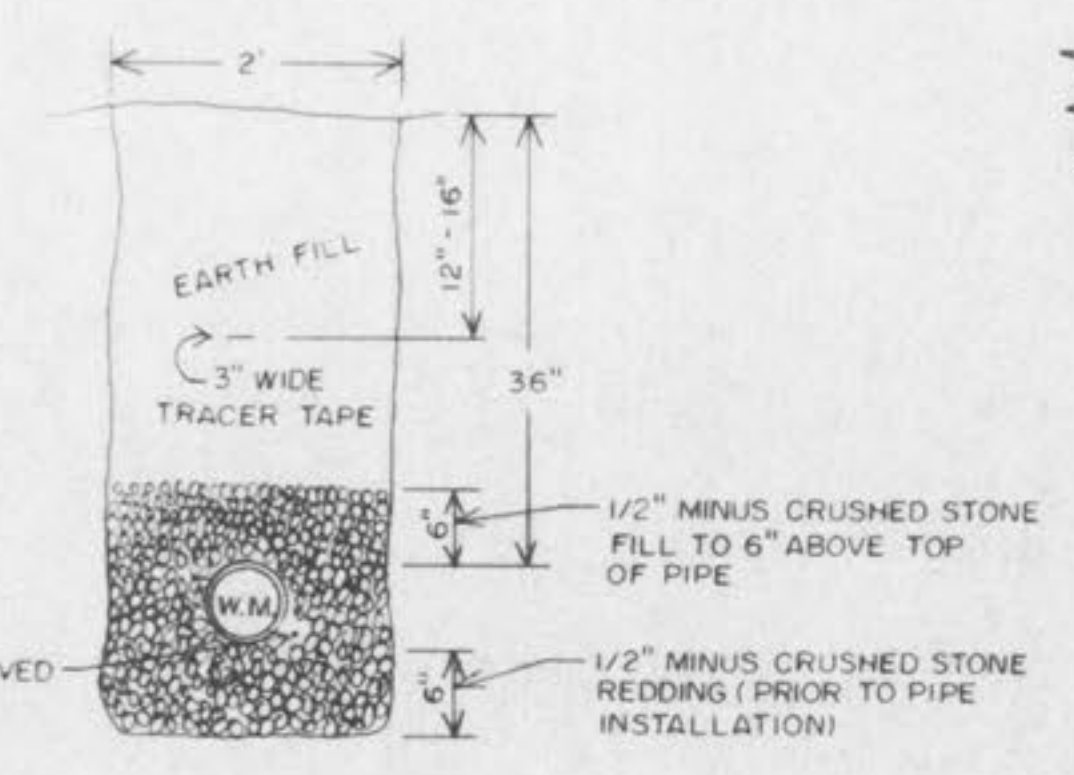
BLOW-OFF HYDRANT  
NO SCALE



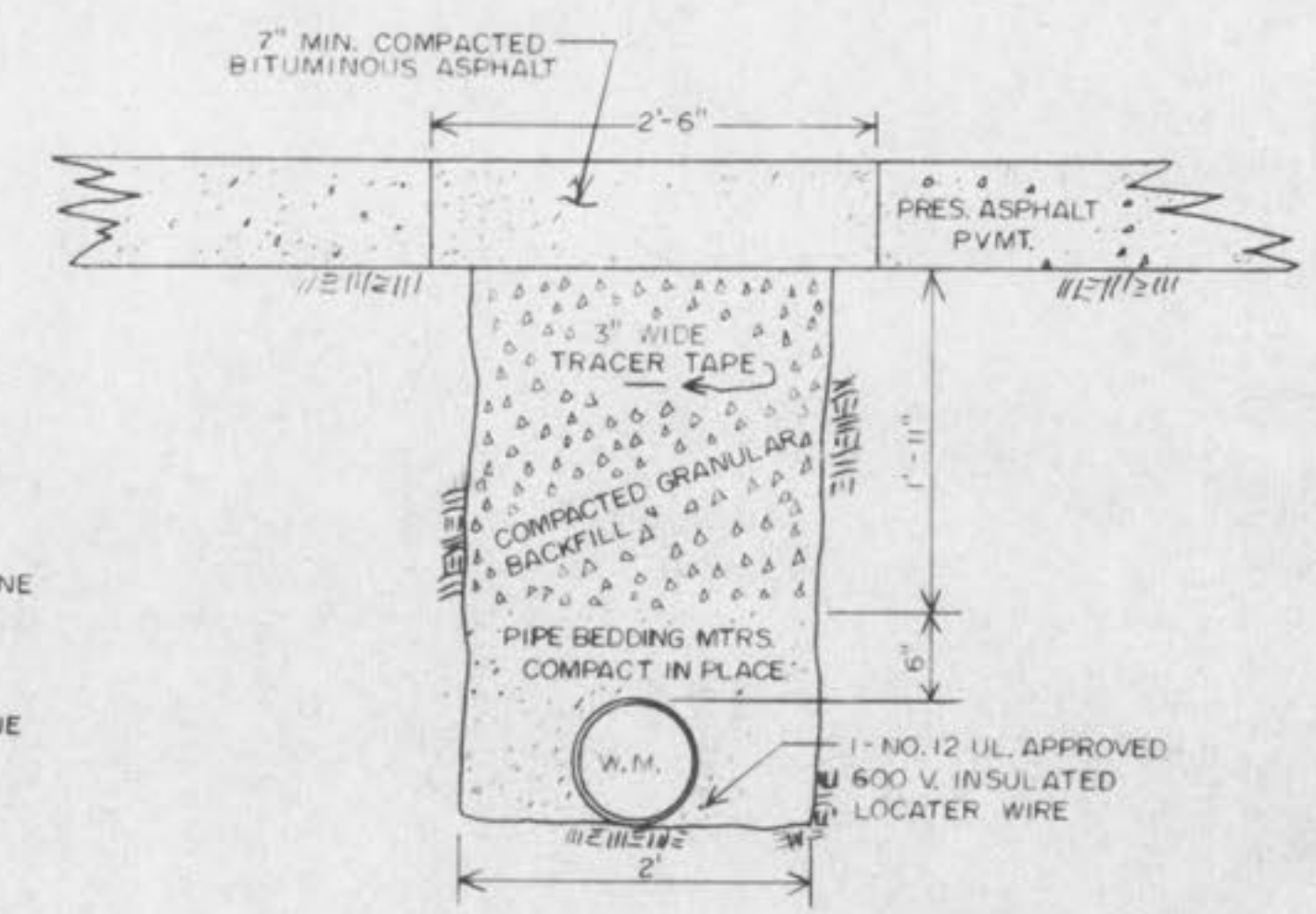
TYPICAL WATER MAIN TRENCHING DETAIL  
NO SCALE



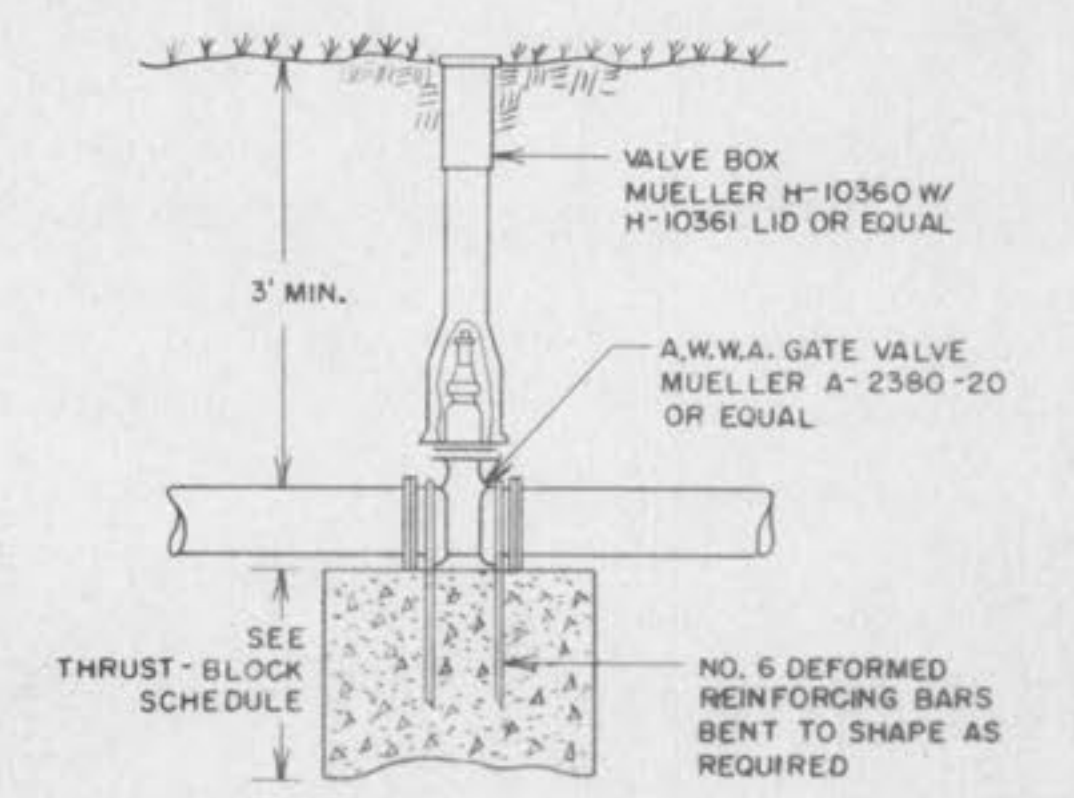
EARTH EXCAVATION



EXCAVATION THROUGH SOLID ROCK



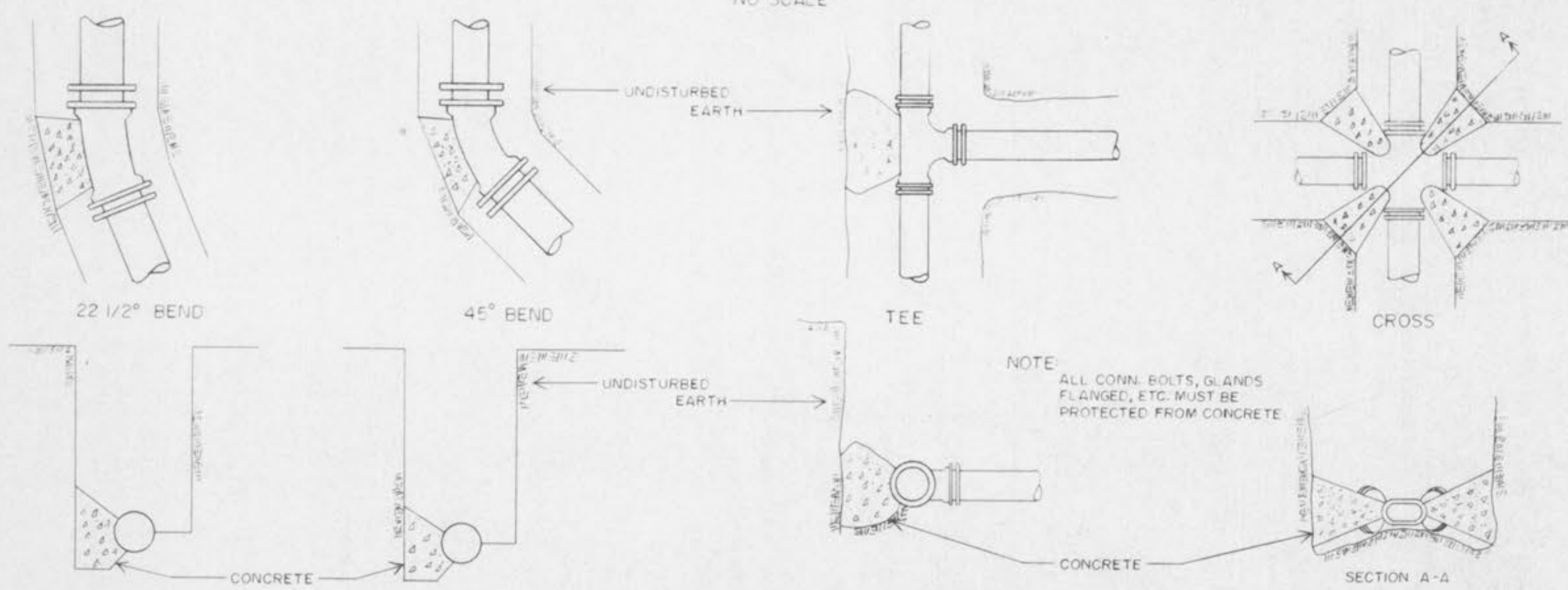
TYPICAL PAVED STREET OR ROAD TRENCH BACKFILL & SURFACE REPLACEMENT DETAIL  
SCALE: 1" = 1'-0"



GATE VALVE W/ THRUST-BLOCK DETAIL  
NO SCALE

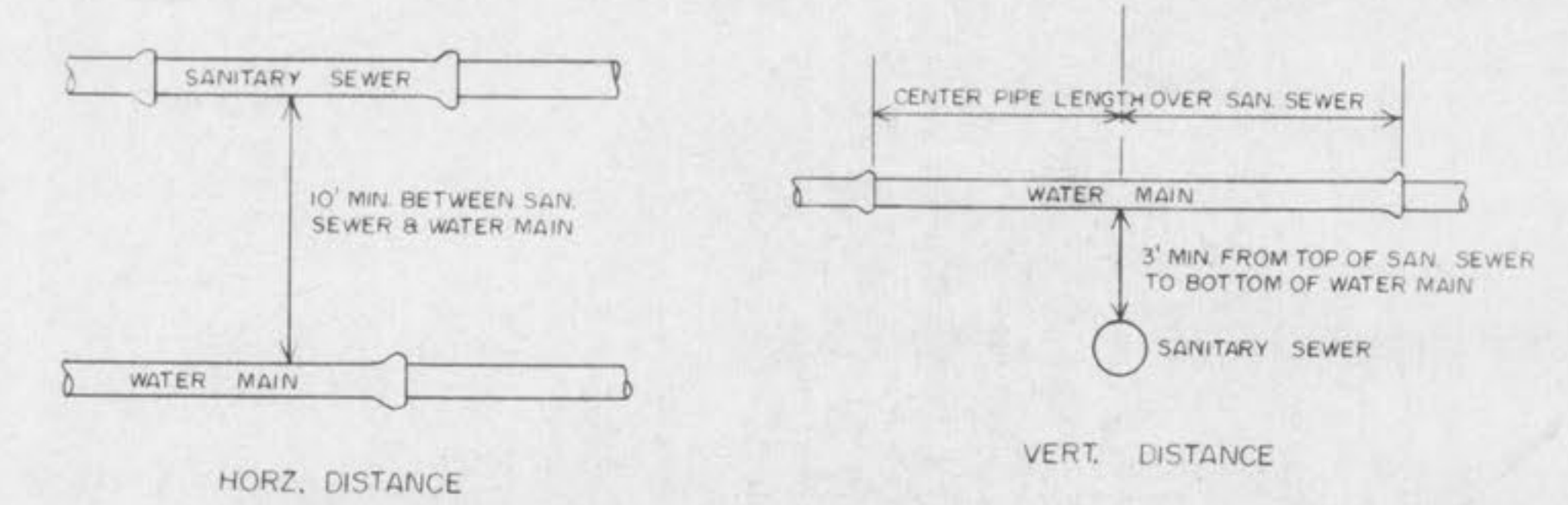
MAIN SIZE	MIN. THRUSTBLOCK BEARING DIMENSIONS TO BEAR AGAINST UNDISTURBED EARTH				
	45° BEND	22 1/2° BEND	TEE	VALVE	CROSS
2"	5'x1'	5'x1'	5'x1'	5'x1'	5'x1'
4"	1'x1'	1'x1'	2'x1'	2'x1'	1'x1'
6"	1.5'x1'	1'x1'	2'x1'	2'x1'	1'x1'
8"	2'x1'	1'x1'	2'x2.5'	2'x2'	1'x1.5'
10"	2'x2.5'	1.5'x2'	2'x3.5'	2'x3'	2'x2'

THRUST-BLOCK SCHEDULE



TYPICAL THRUST-BLOCK DETAIL

NOTE: ALL CONN. BOLTS, GLANDS, FLANGED, ETC. MUST BE PROTECTED FROM CONCRETE.



TYPICAL WATER & SEWER SEPARATION  
NO SCALE