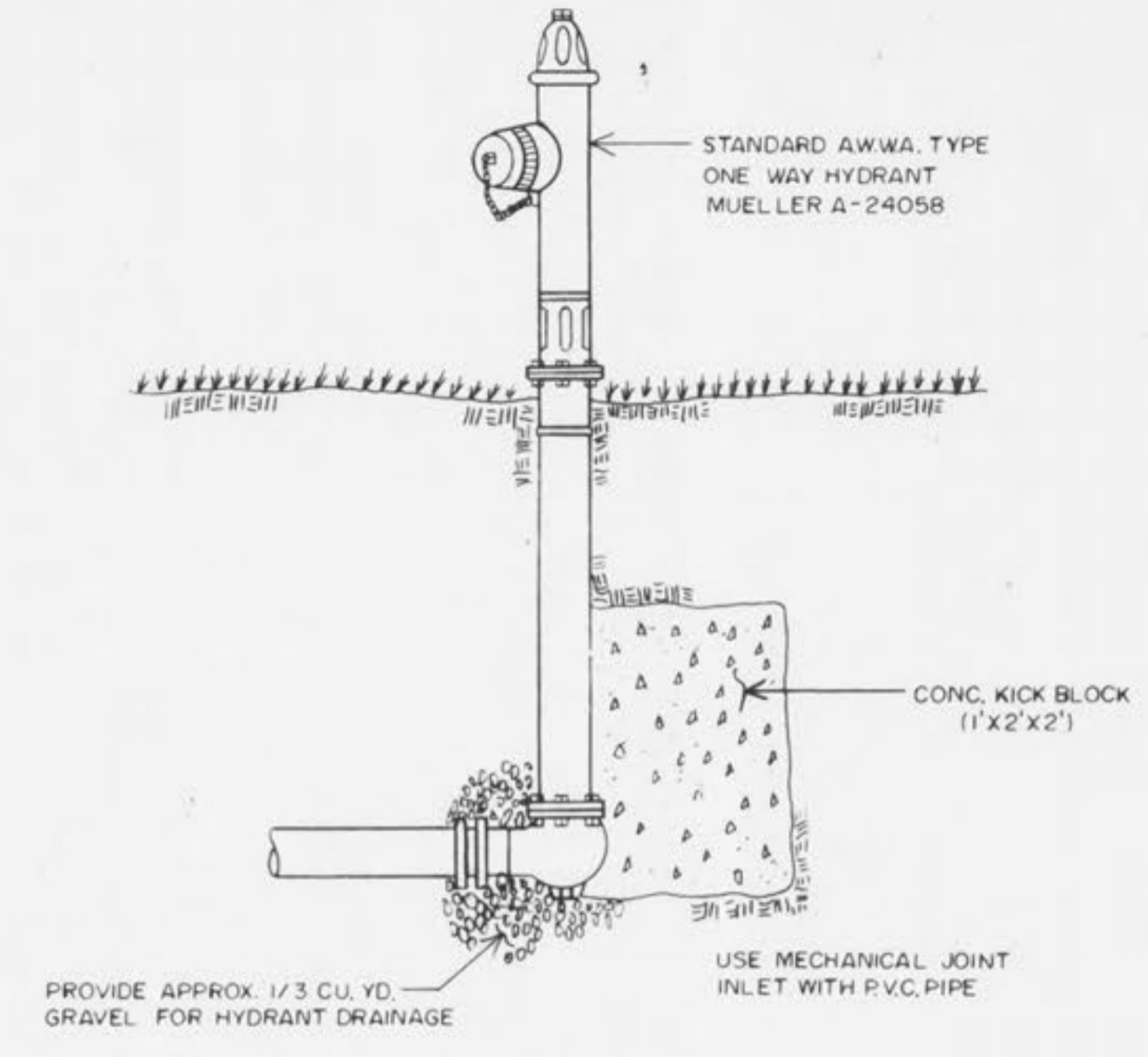
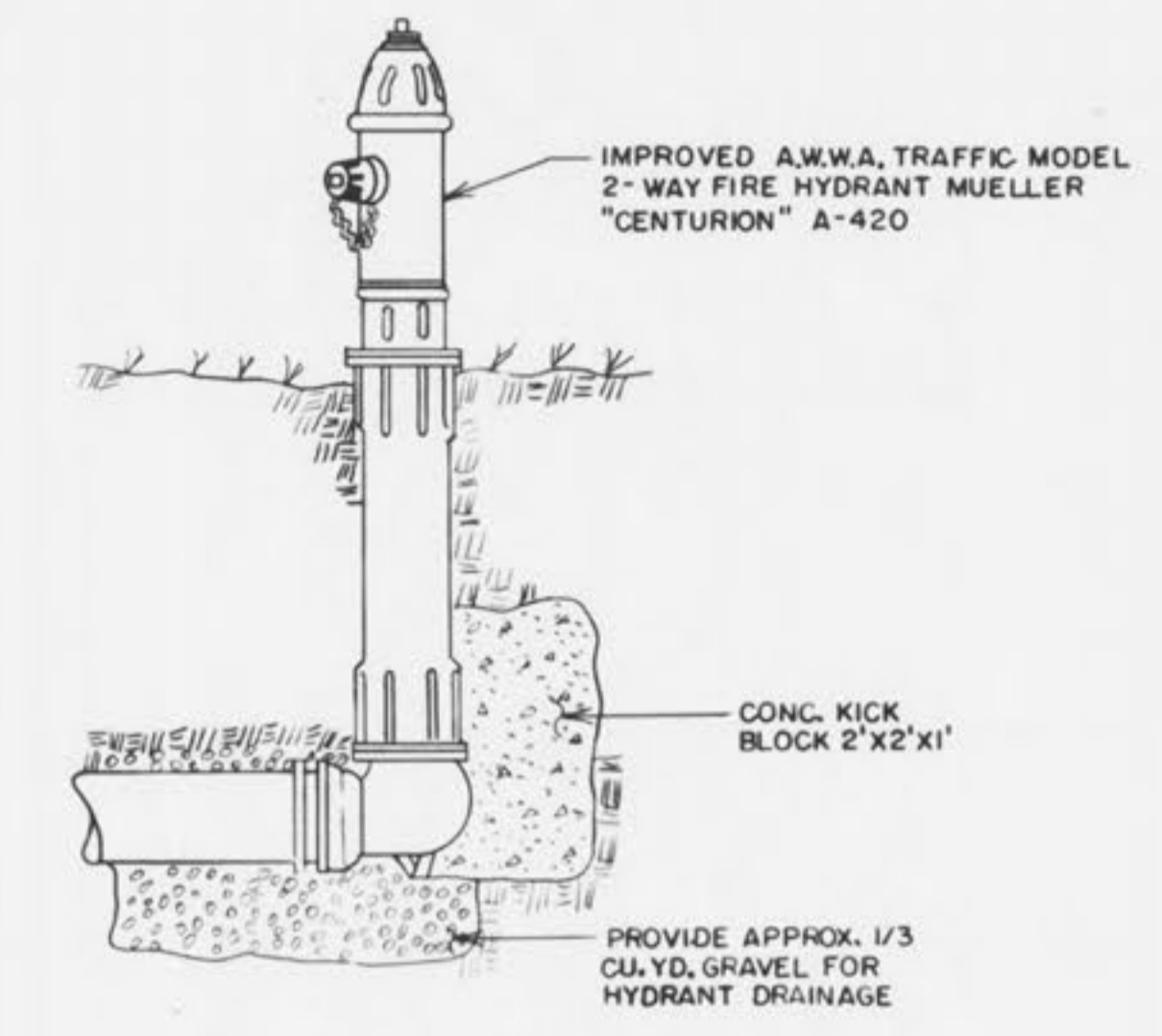


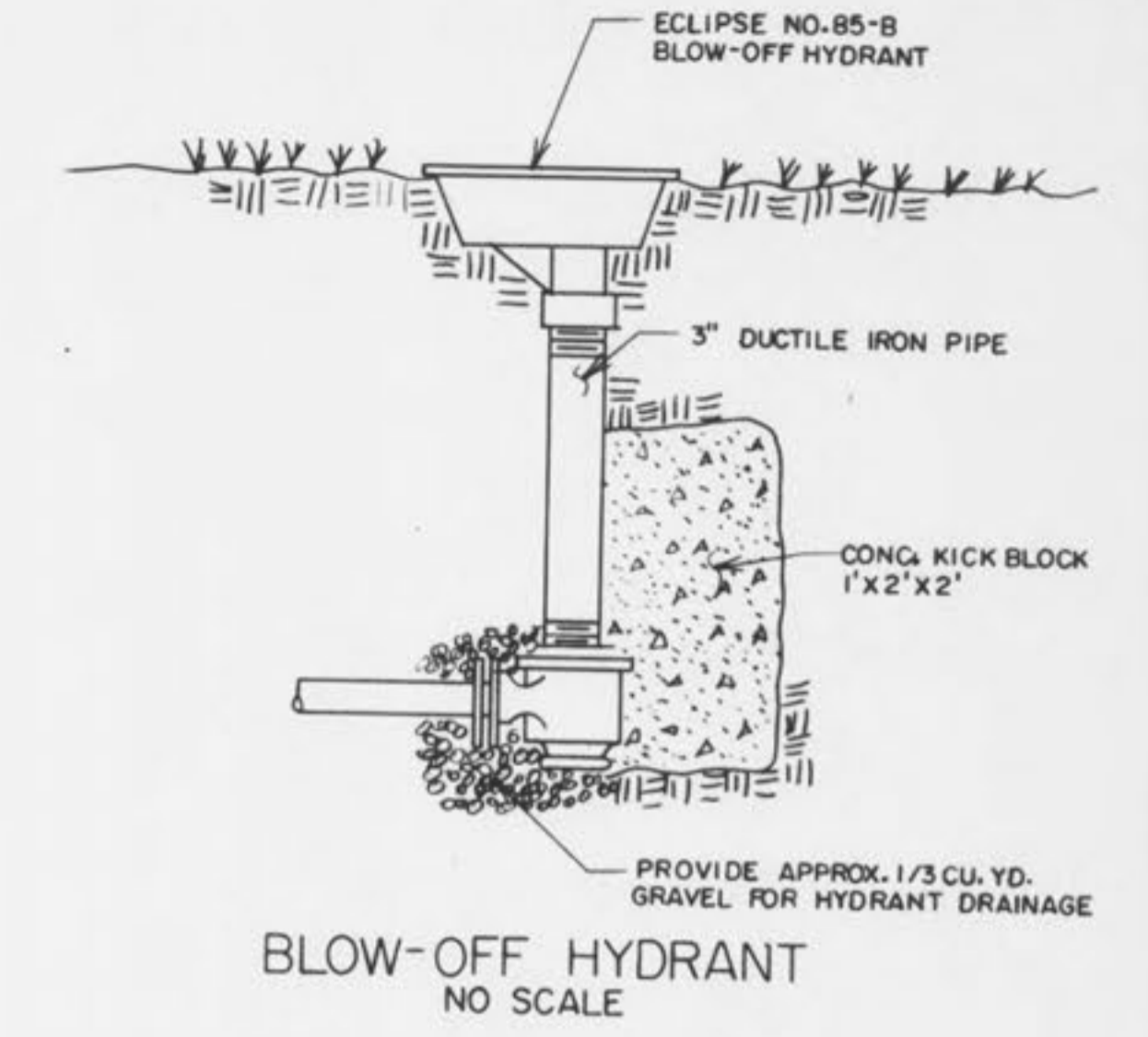
FIRE HYDRANT INSTALLATION DETAIL
 NO SCALE



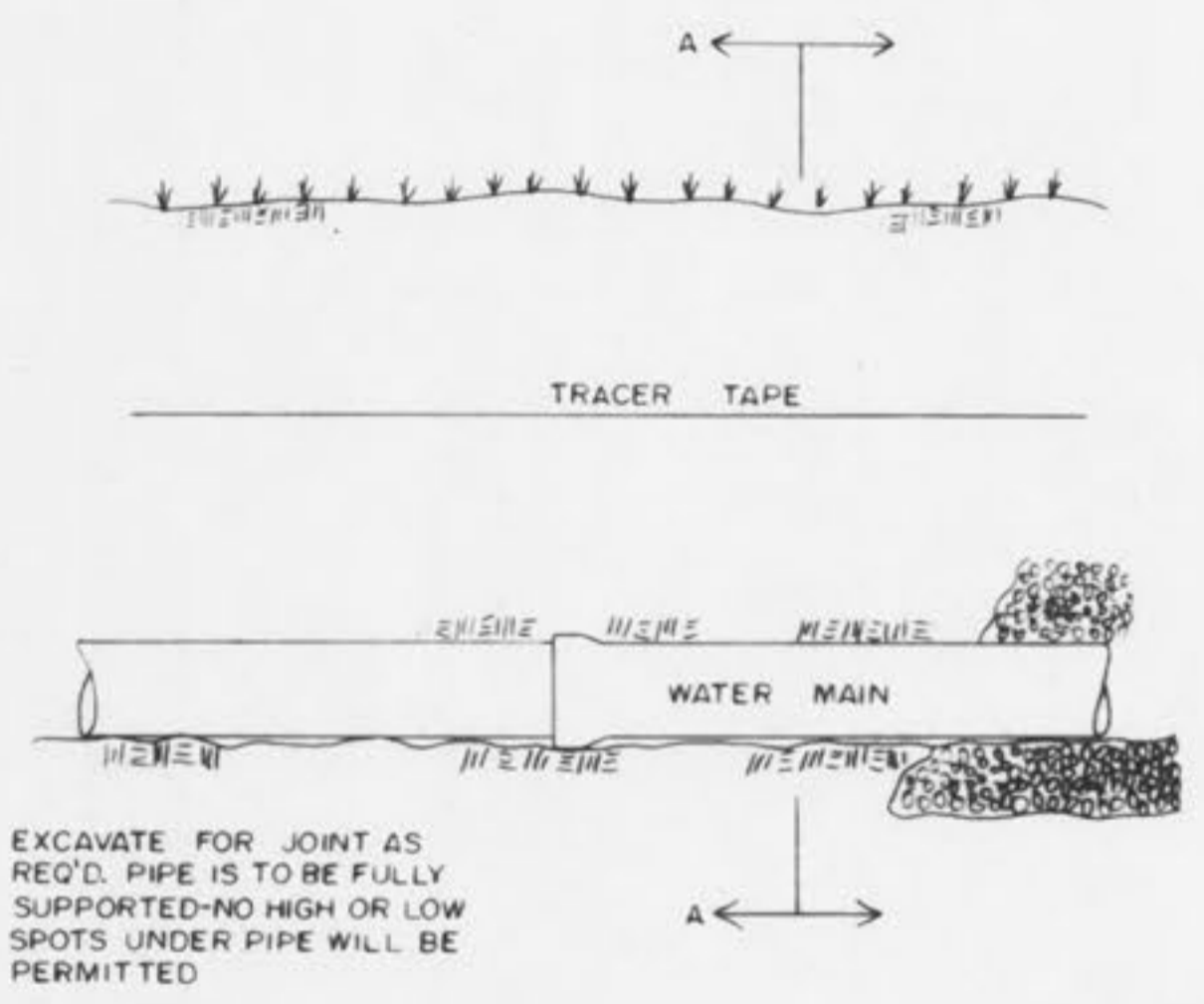
FLUSHING HYDRANT
 NO SCALE



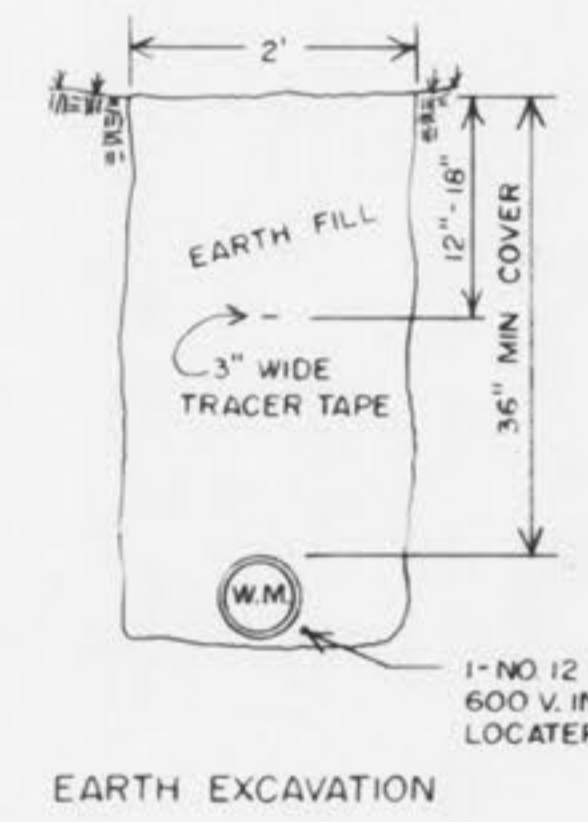
FIRE HYDRANT INSTALLATION DETAIL
 NO SCALE



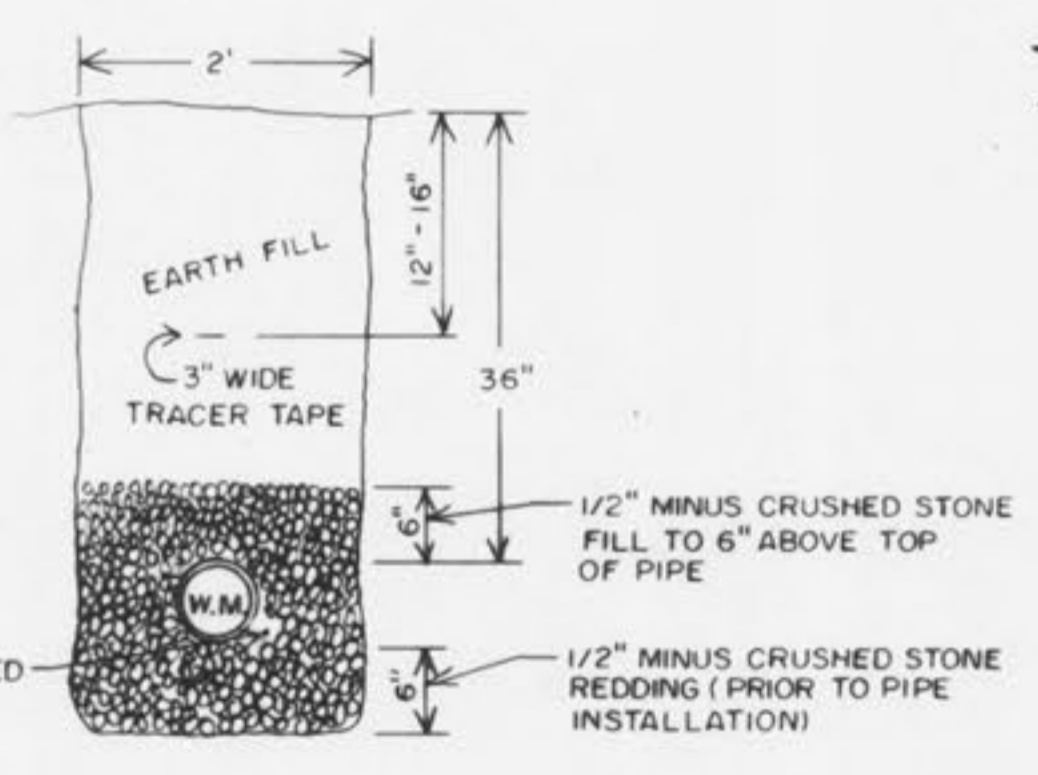
BLOW-OFF HYDRANT
 NO SCALE



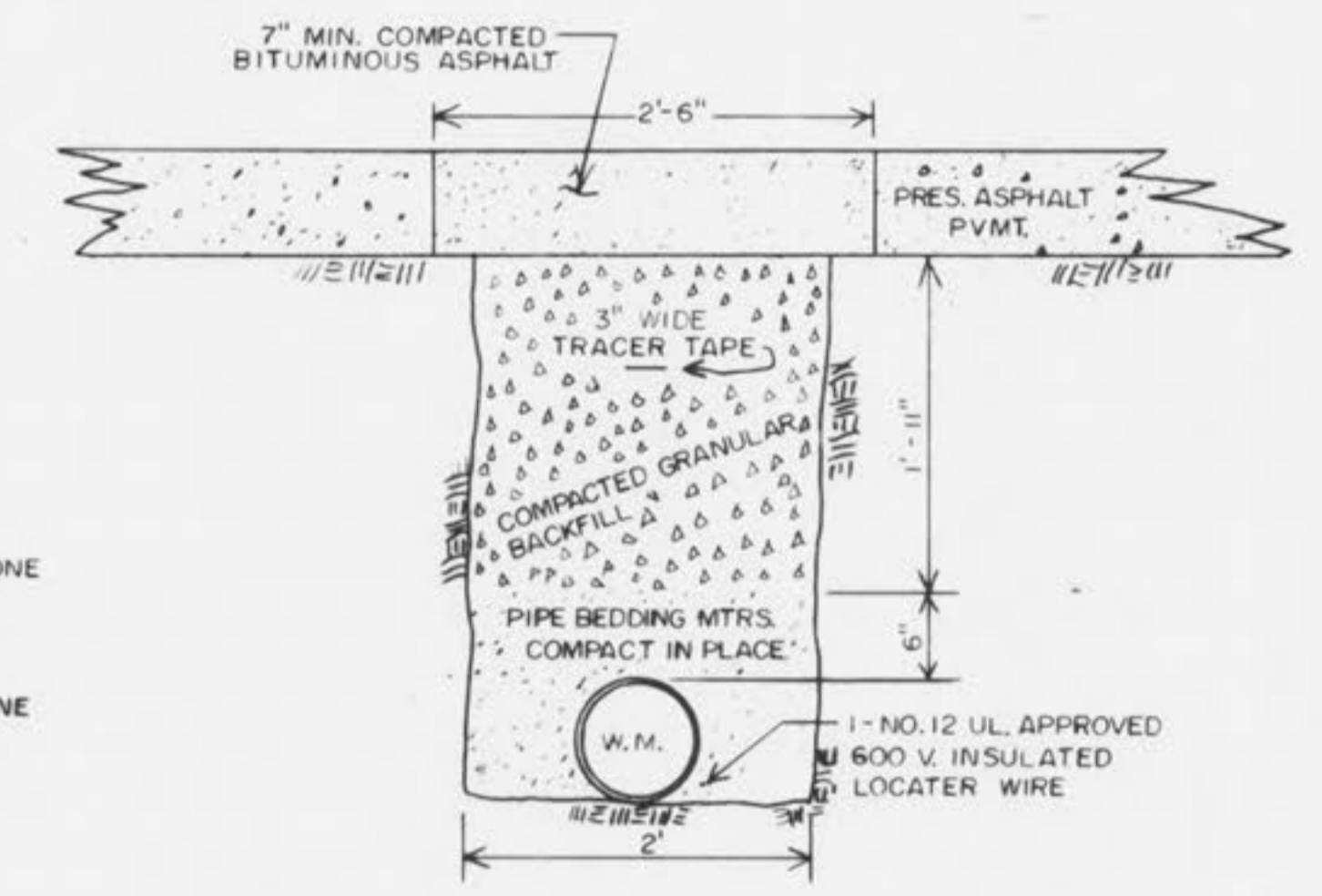
TYPICAL WATER MAIN TRENCHING DETAIL
 NO SCALE



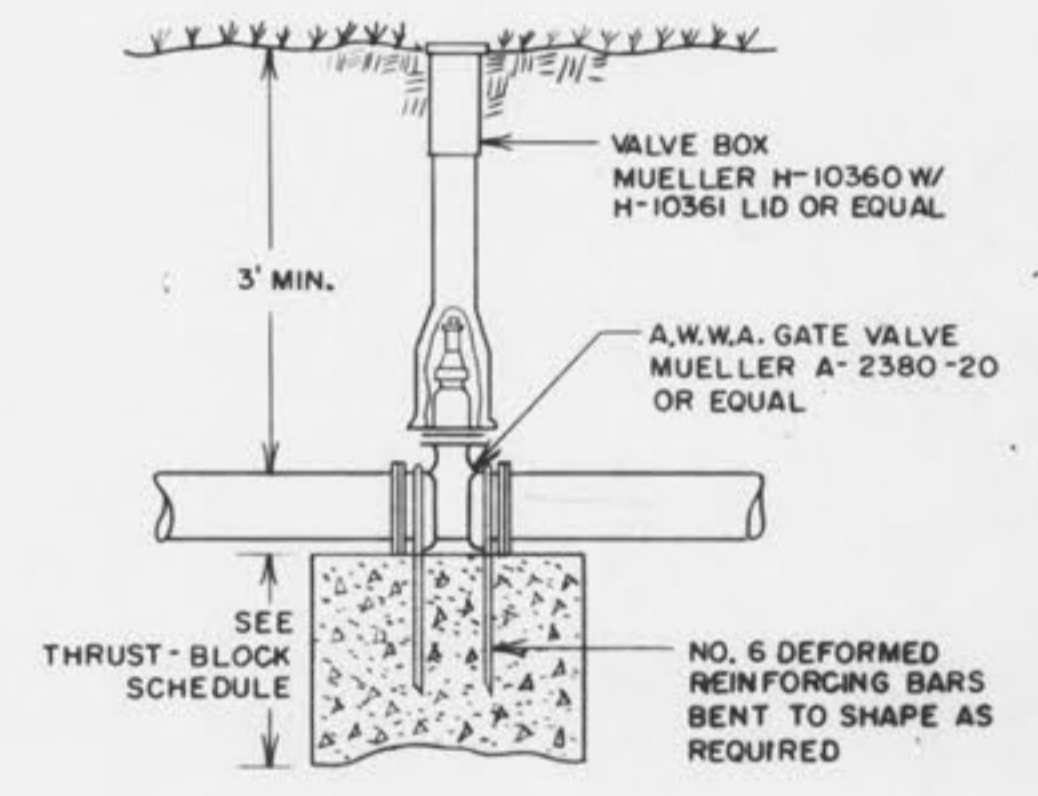
EARTH EXCAVATION



EXCAVATION THROUGH SOLID ROCK



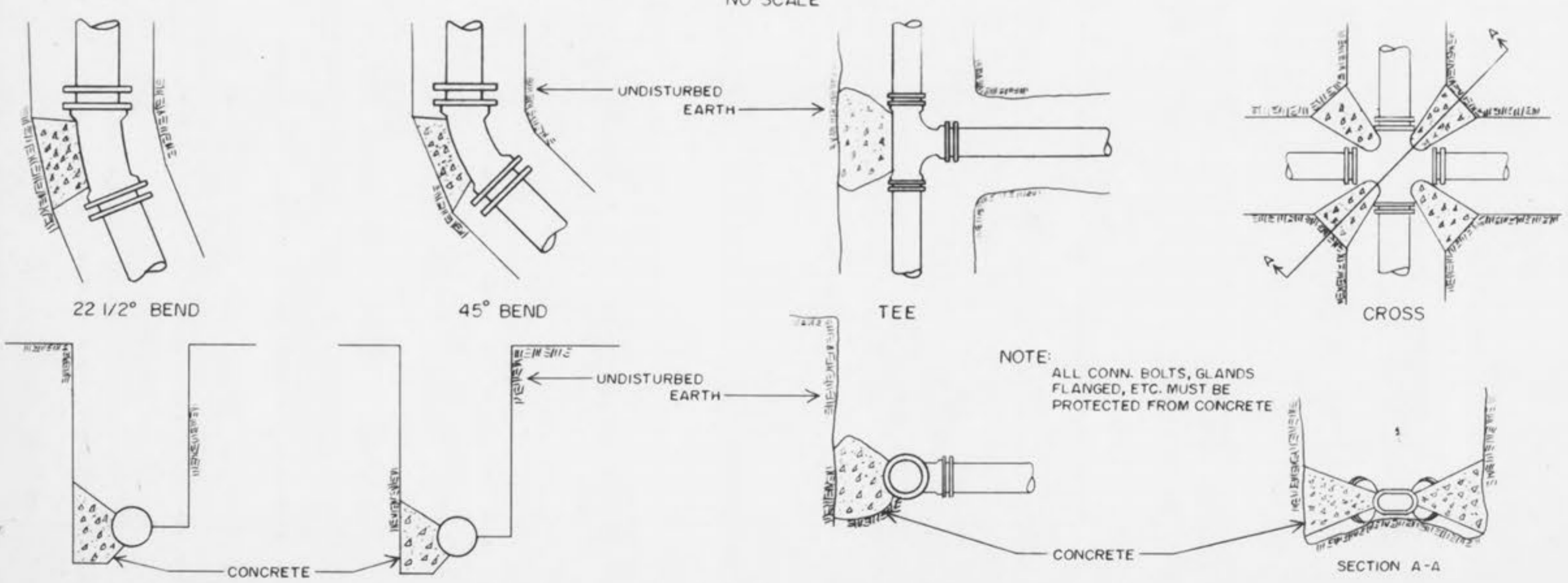
TYPICAL PAVED STREET OR ROAD TRENCH BACKFILL & SURFACE REPLACEMENT DETAIL
 SCALE: 1"=1'-0"



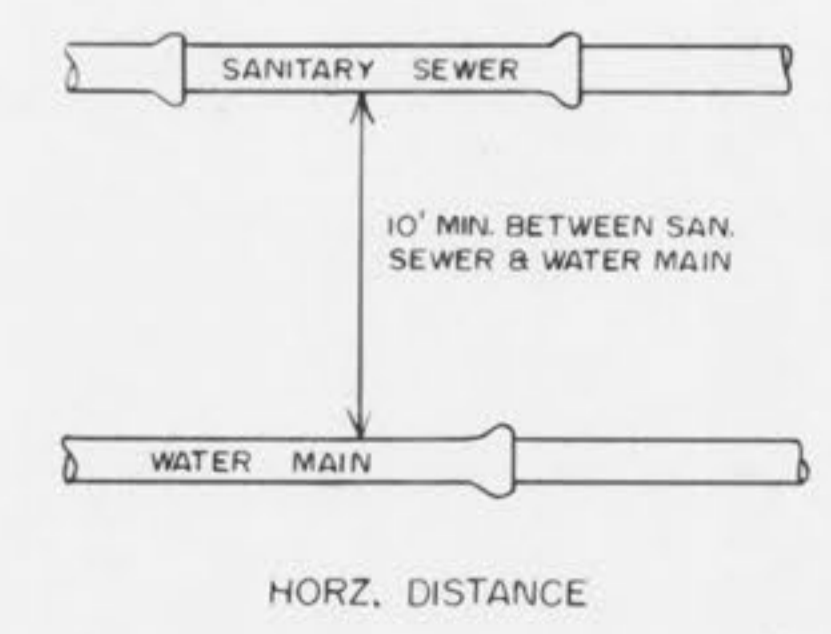
GATE VALVE W/ THRUST-BLOCK DETAIL
 NO SCALE

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'

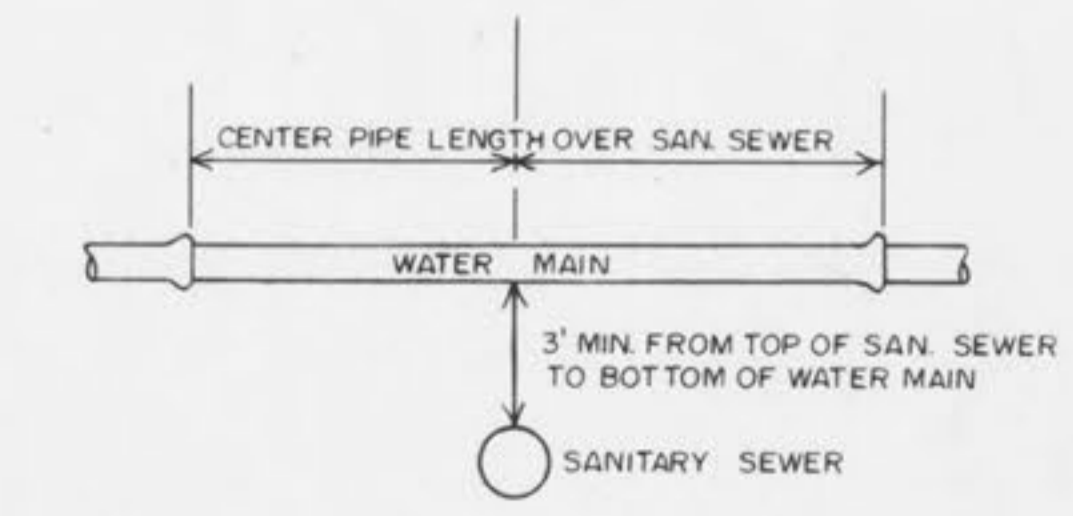
THRUST-BLOCK SCHEDULE



TYPICAL THRUST-BLOCK DETAIL

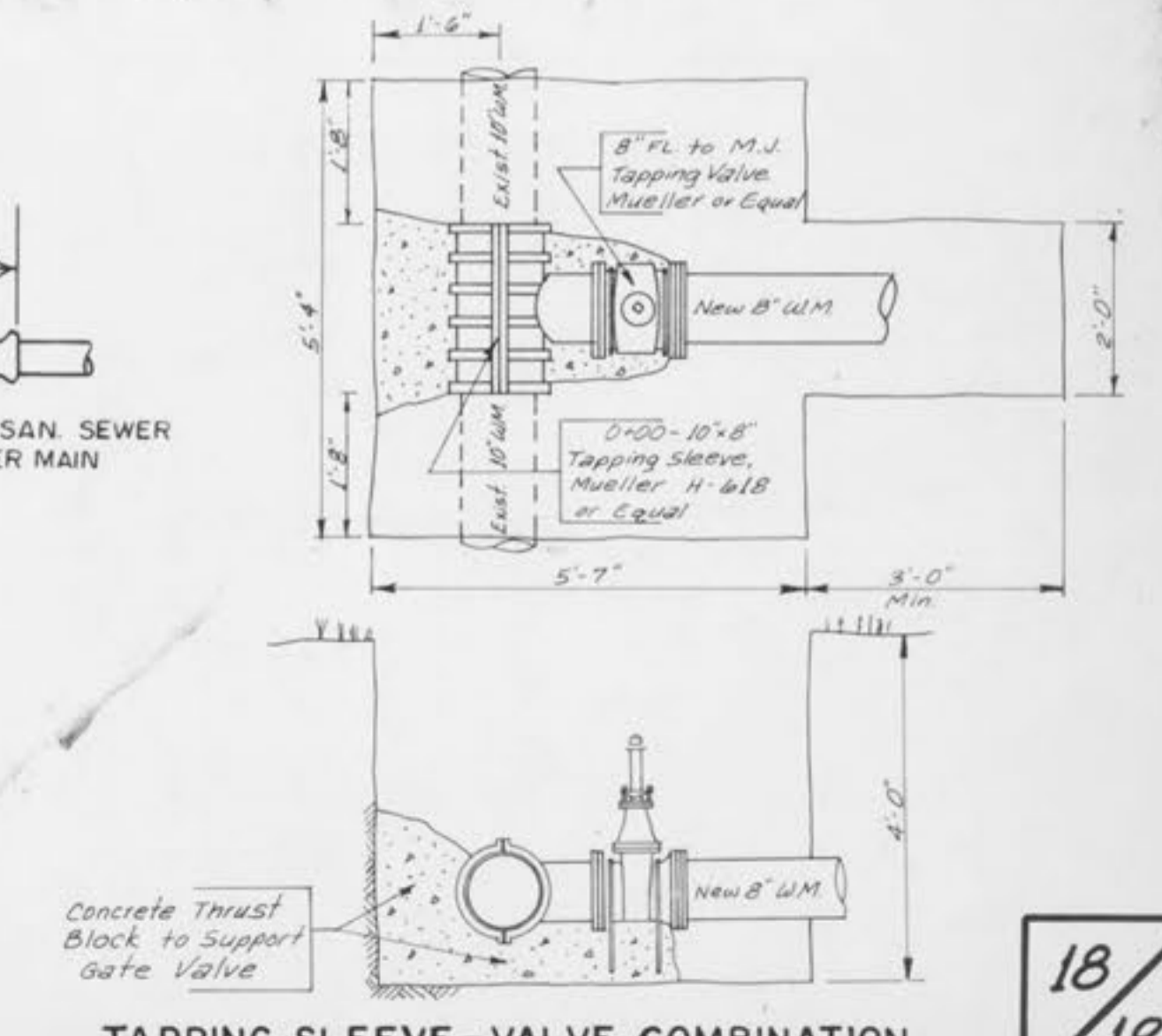


HORZ. DISTANCE



VERT. DISTANCE

TYPICAL WATER & SEWER SEPARATION
 NO SCALE



TAPPING SLEEVE-VALVE COMBINATION