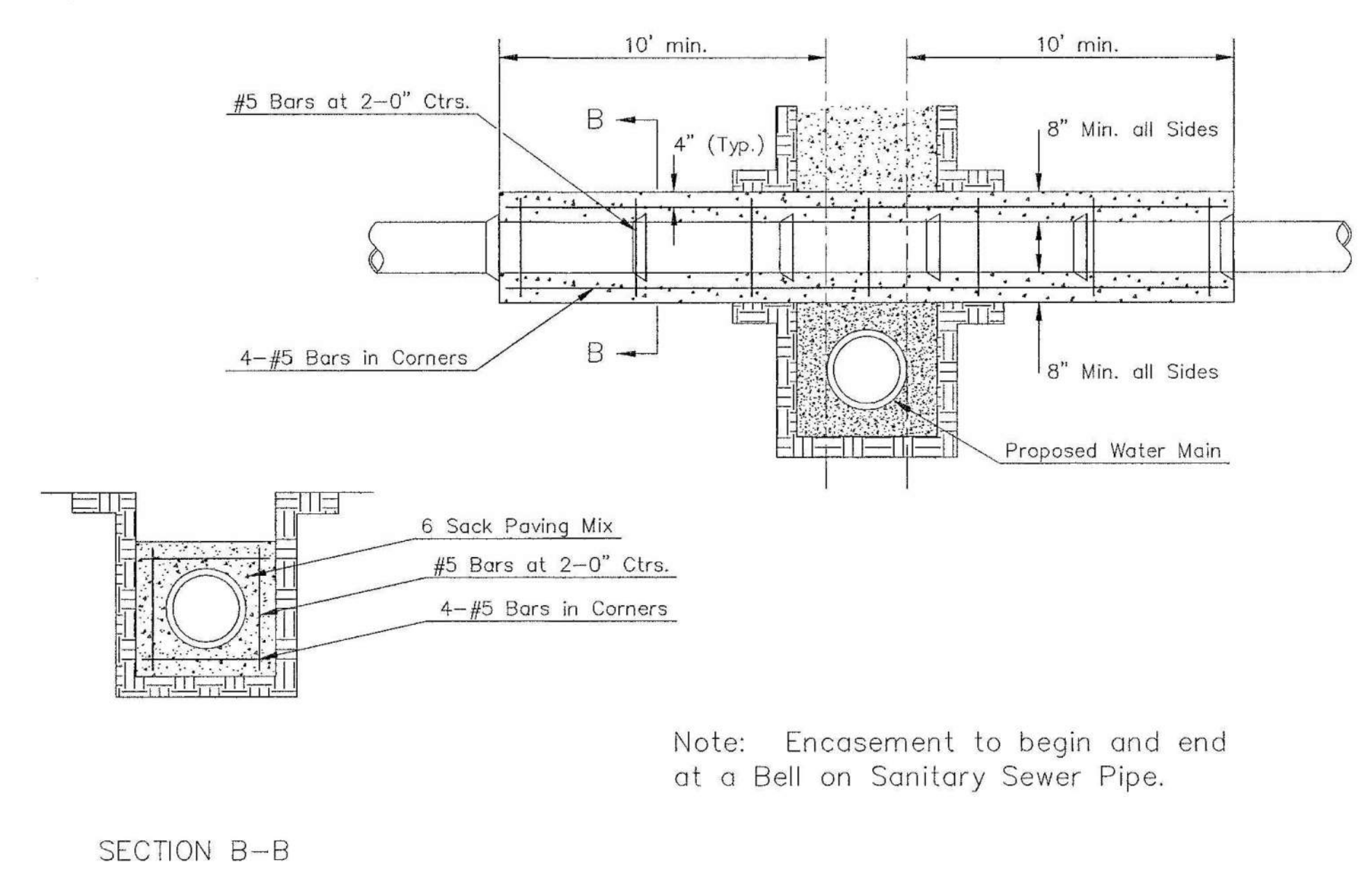


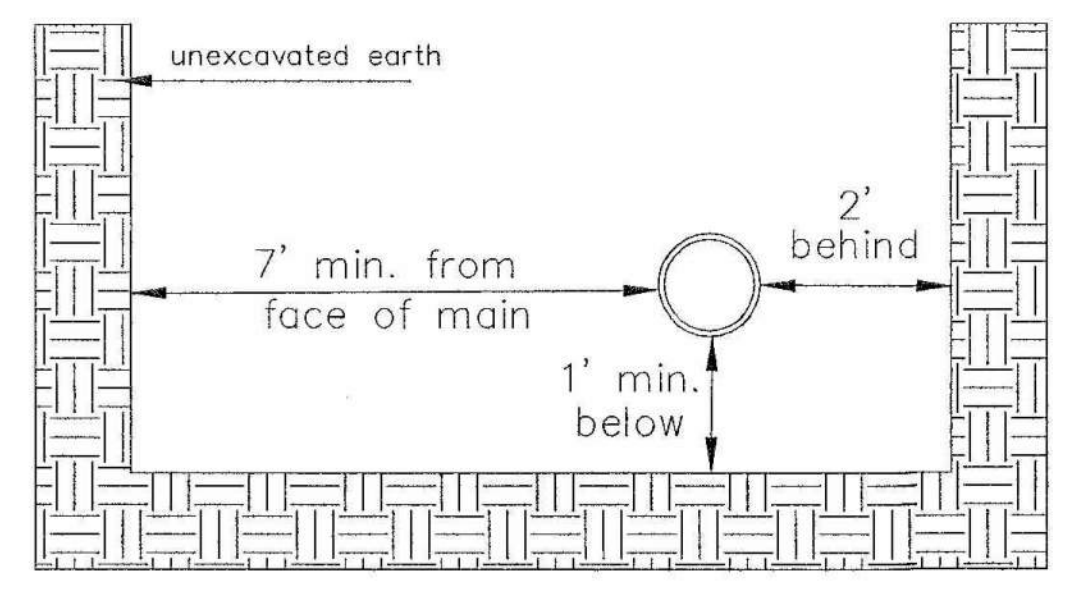
TRENCH COMPACTION IN ROAD RIGHT-OF-WAY



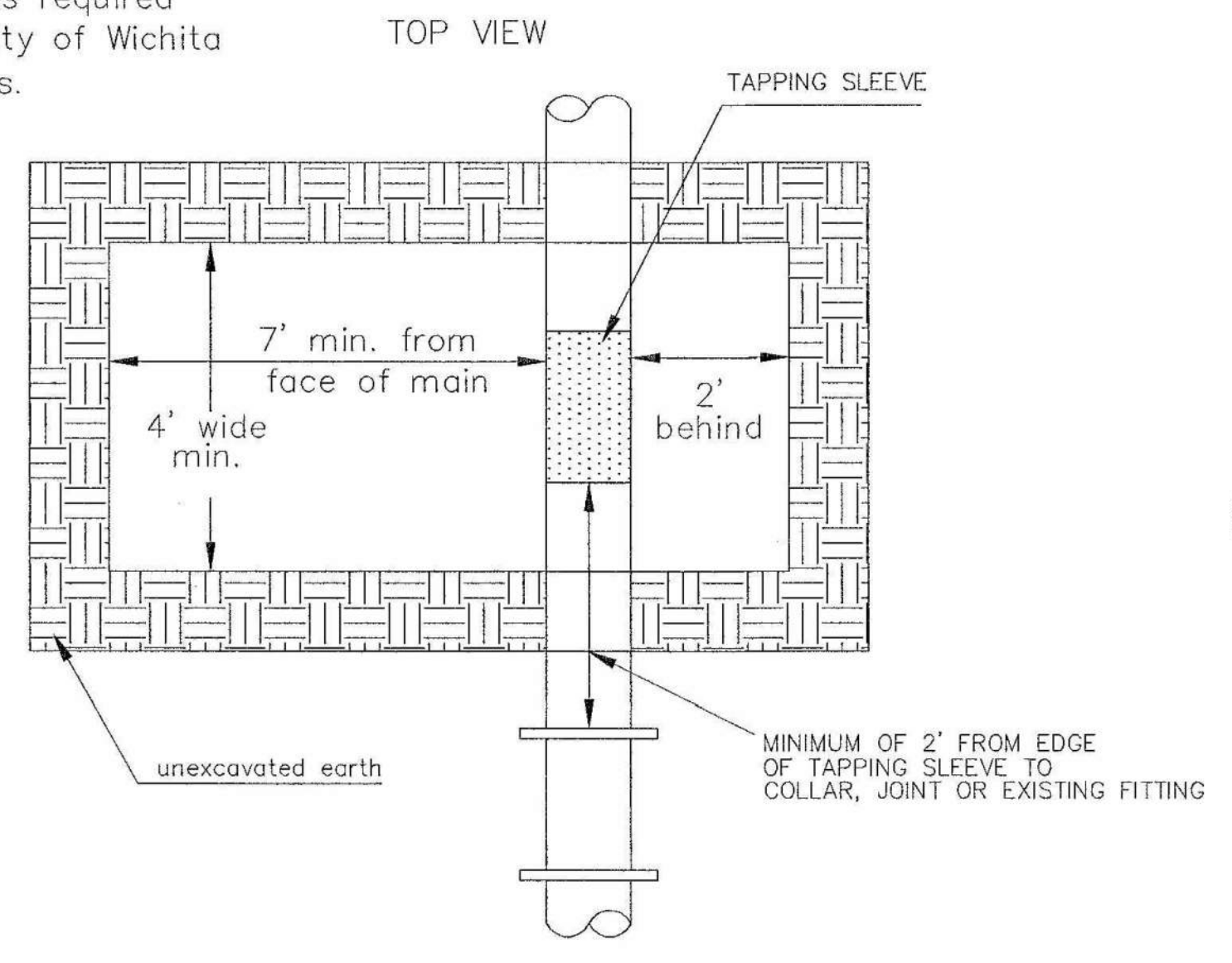
REINFORCED CONCRETE ENCASEMENT OF SANITARY SEWER

PIPE SIZE	THRUST AT FITTINGS IN TONS--AT 150#/IN ² P					
	PLUG	90°	45°	22 1/2°	11 1/4°	TEE
6"	2.8	3.95	2.15	1.09	.55	2.8
8"	4.9	6.95	3.75	1.90	.96	4.9
12"	11.4	16.1	8.75	4.45	2.25	11.4
16"	20.15	28.5	15.4	7.85	3.95	20.15
20"	31.15	44.0	23.85	12.15	6.10	31.15
24"	44.55	63.0	34.1	17.4	8.75	44.55

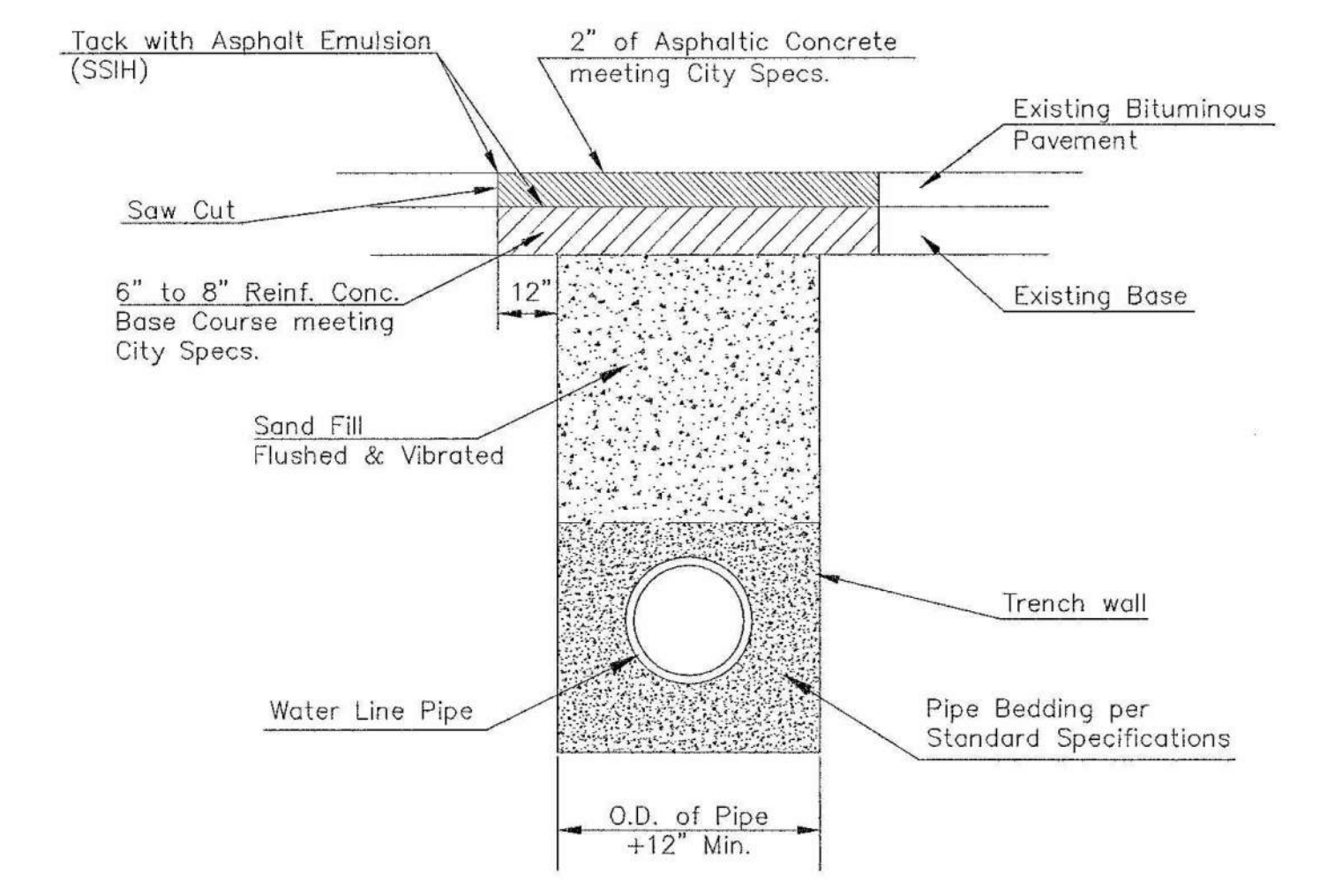
TYPICAL THRUST BLOCKS



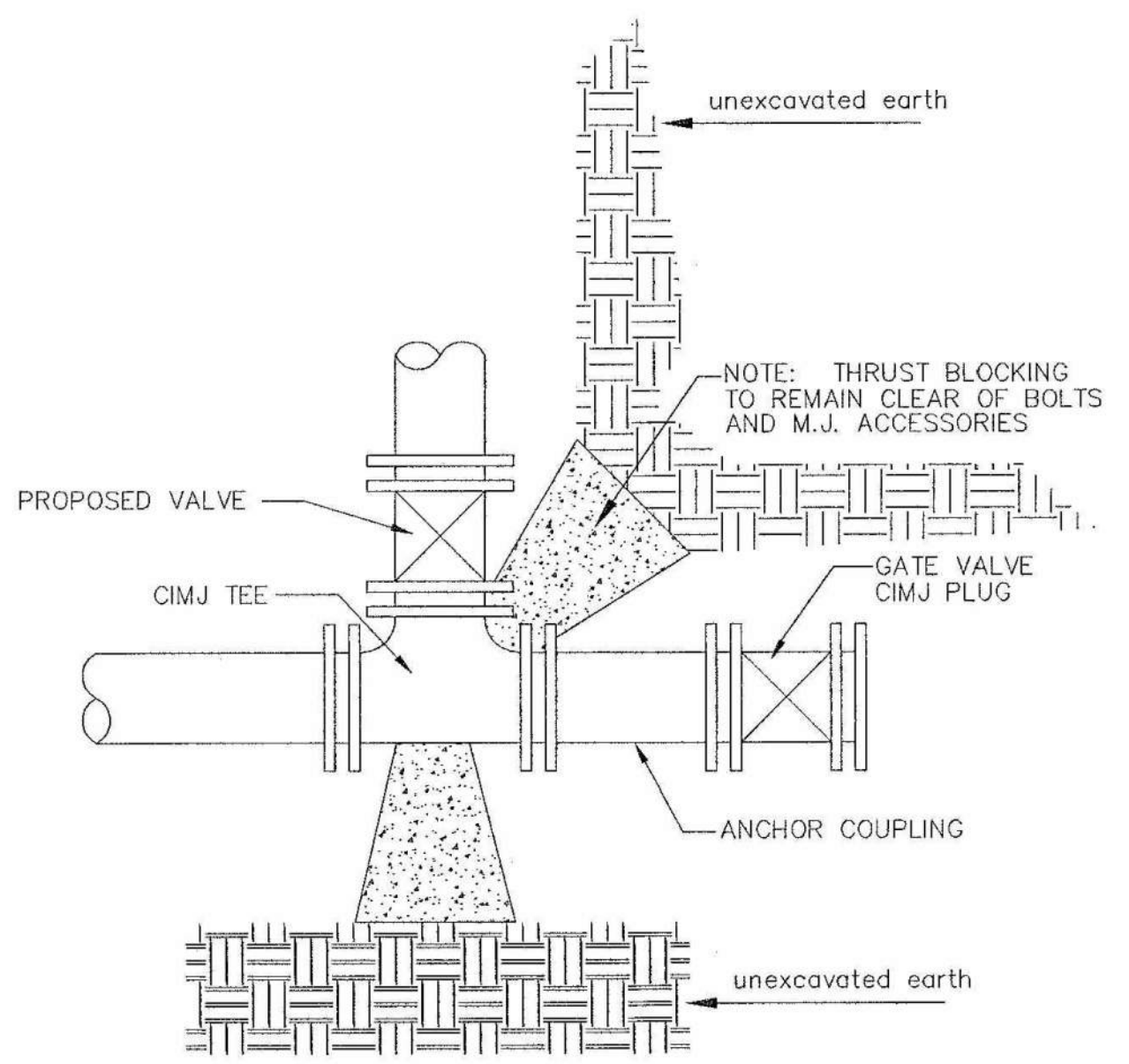
Note: When shoring is required it is to be per The City of Wichita Standard Specifications.



EXCAVATION FOR WET TAP

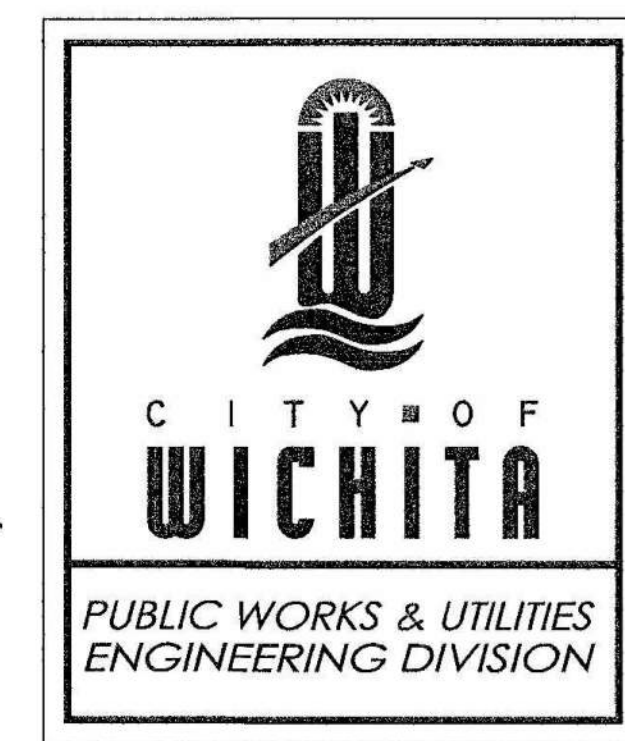
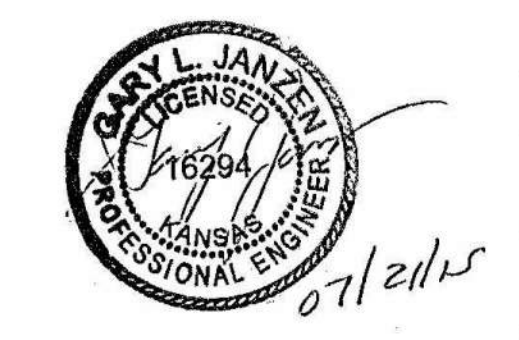


PAVEMENT REPLACEMENT & TRENCH COMPACTION UNDER EXISTING AND PROPOSED CITY ROADS



KEY BLOCK DETAIL

* PLANS GOVERN UNLESS OTHERWISE NOTED ON PLANS



MISCELLANEOUS WATER DETAILS		
CITY ENGINEER		
GARY JANZEN, P.E..		
PROJECT NUMBER	OCA NUMBER	DATE
448-90715	636431	
CITY ENGINEER'S OFFICE		SHEET
CITY HALL - SEVENTH FLOOR		7 of 13
455 NORTH MAIN STREET		
WICHITA, KANSAS 67202-1620		
(316) 268-4501		

Saved: 03-18-2016 1:54:48 PM by KURTIS DEKAT
 Plot Scale: 1:1 07-19-2016 1:49:15 PM by KURTIS DEKAT
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