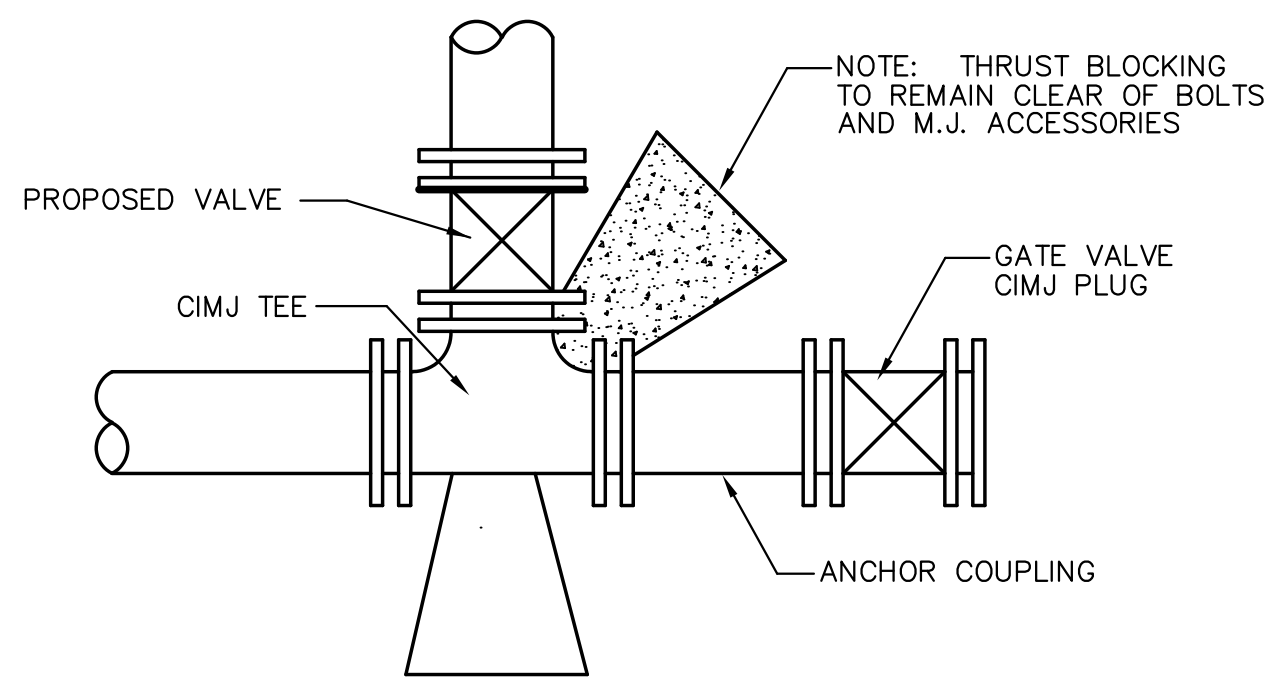


- 1 - 1" Mueller Thread Corporation Stop
- 1 - 1" Type "K" Copper Tubing
- 1 - 1" Copper to Iron Union (Male)
- 1 - 1" Brass Curb Stop (Iron to Iron)
- 2 - 1"x4" Brass Nipple
- Air Release
- 2 - 1" Brass Elbows (90°)
- 1 - 1"x6" Brass Nipple
- 1 - 21" Meter Tile
- 1 - 21" Meter Ring
- 1 - 10" Meter Lid

MATERIALS FOR AIR RELEASE ASSEMBLY

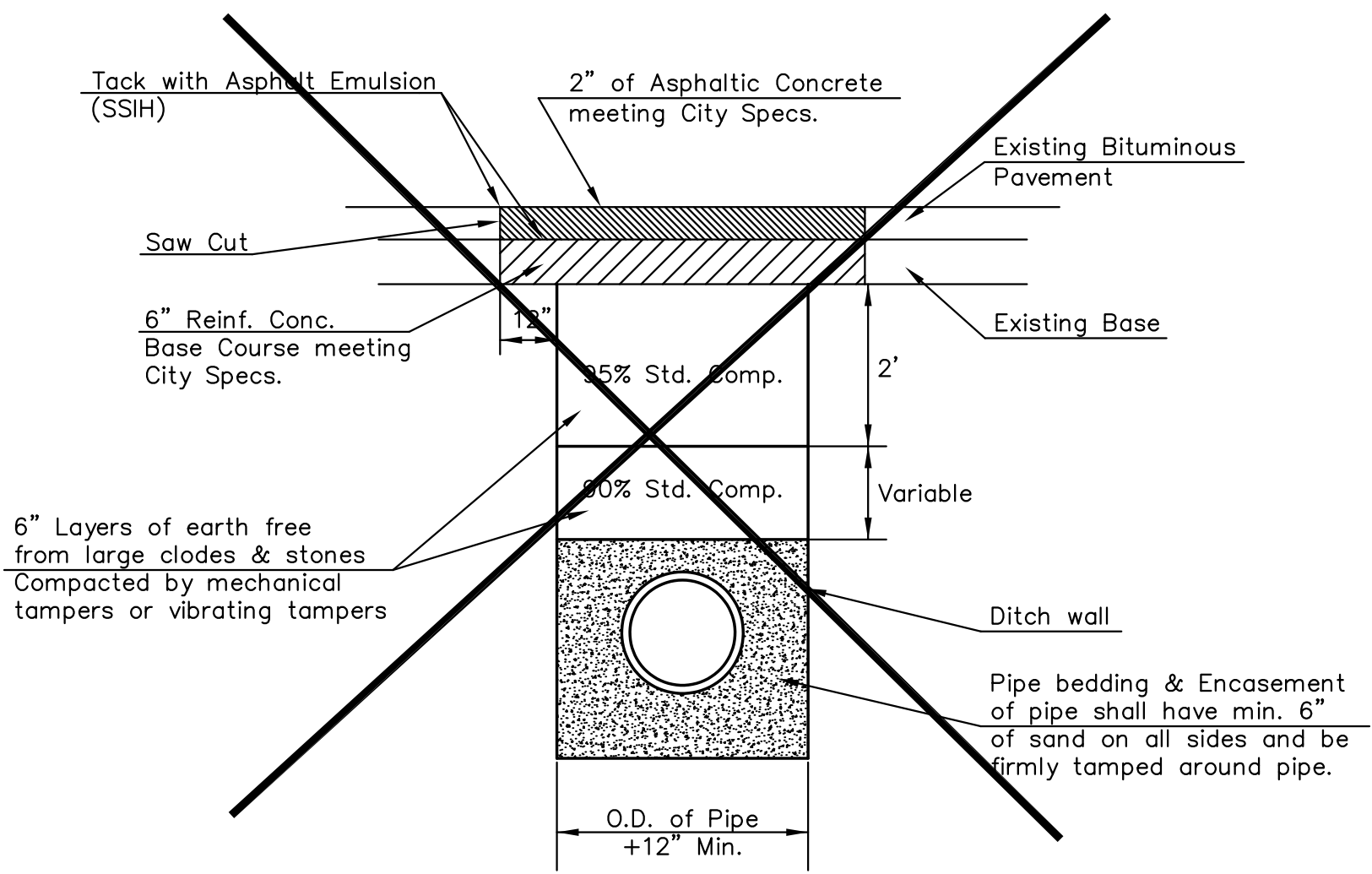
PIPE SIZE	THRUST AT FITTINGS IN TONS-AT 150#/IN ² P					
	PLUG	90°	45°	22 1/2°	11 1/4°	TEE
6"	2.8	3.95	2.15	1.09	.55	2.8
8"	4.9	6.95	3.75	1.90	.96	4.9
12"	11.4	16.1	8.75	4.45	2.25	11.4
16"	20.15	28.5	15.4	7.85	3.95	20.15
20"	31.15	44.0	23.85	12.15	6.10	31.15
24"	44.55	63.0	34.1	17.4	8.75	44.55

TYPICAL THRUST BLOCKS



KEY BLOCK DETAIL

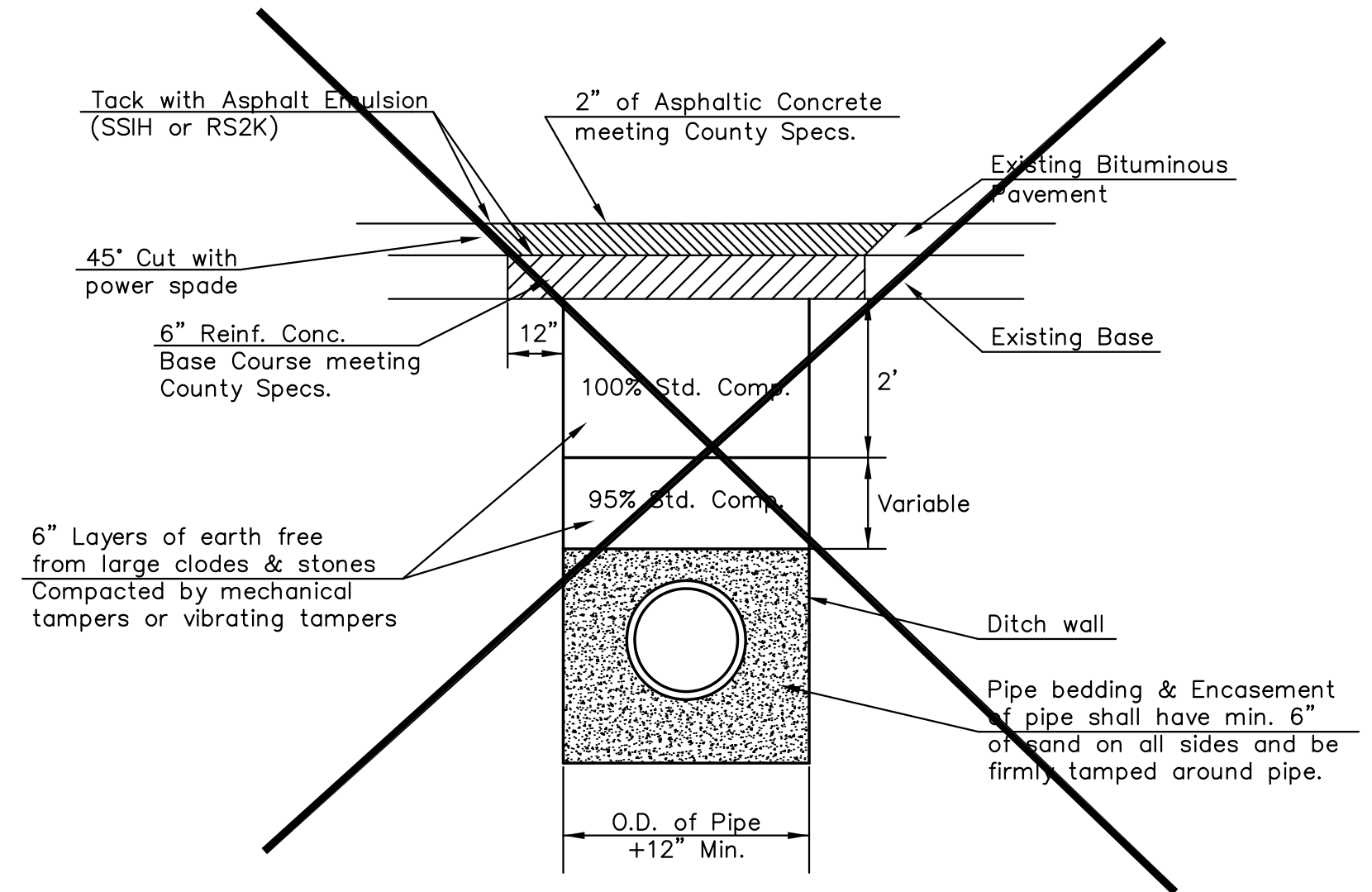
SETTLEMENT & COMPACTION ON CITY AND COUNTY ROAD RIGHT-OF-WAY EXCEPT UNDER PAVEMENT



Standard Density Test, as described in the latest addition of ASTM D698, shall be performed to verify the above requirements to the Satisfaction of the Sedgwick County Director of Public Works. All testing cost shall be included in the unit price bid for the pipe in place.

When laying under paving, parallel with the centerline of the street, a minimum of one (1) Standard Density Test shall be performed on each 300 lineal feet of ditch.

PAVEMENT REPLACEMENT & DITCH COMPACTION UNDER EXISTING AND PROPOSED CITY ROADS



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PAVEMENT REPLACEMENT & DITCH COMPACTION UNDER EXISTING AND PROPOSED COUNTY ROADS

REVISED APR 97

THE CITY OF WICHITA

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455 NORTH MAIN STREET
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VARIOUS WATER DETAILS

JIM ARMOUR, P.E. - CITY ENGINEER

PROJECT NUMBER 472-84693	INDEX CODE 620377
DATE DEC 05	SHEET 66 OF 133