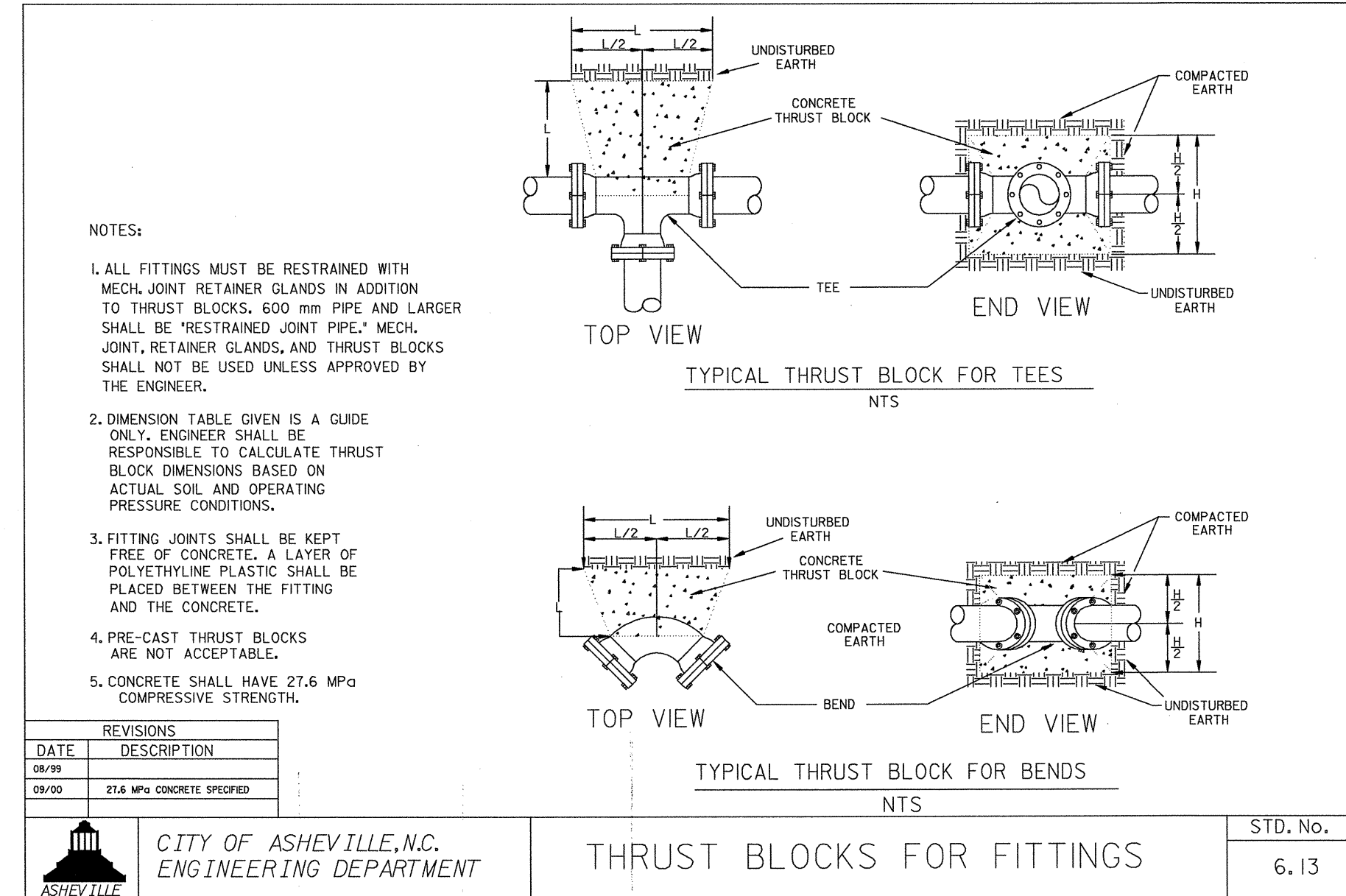


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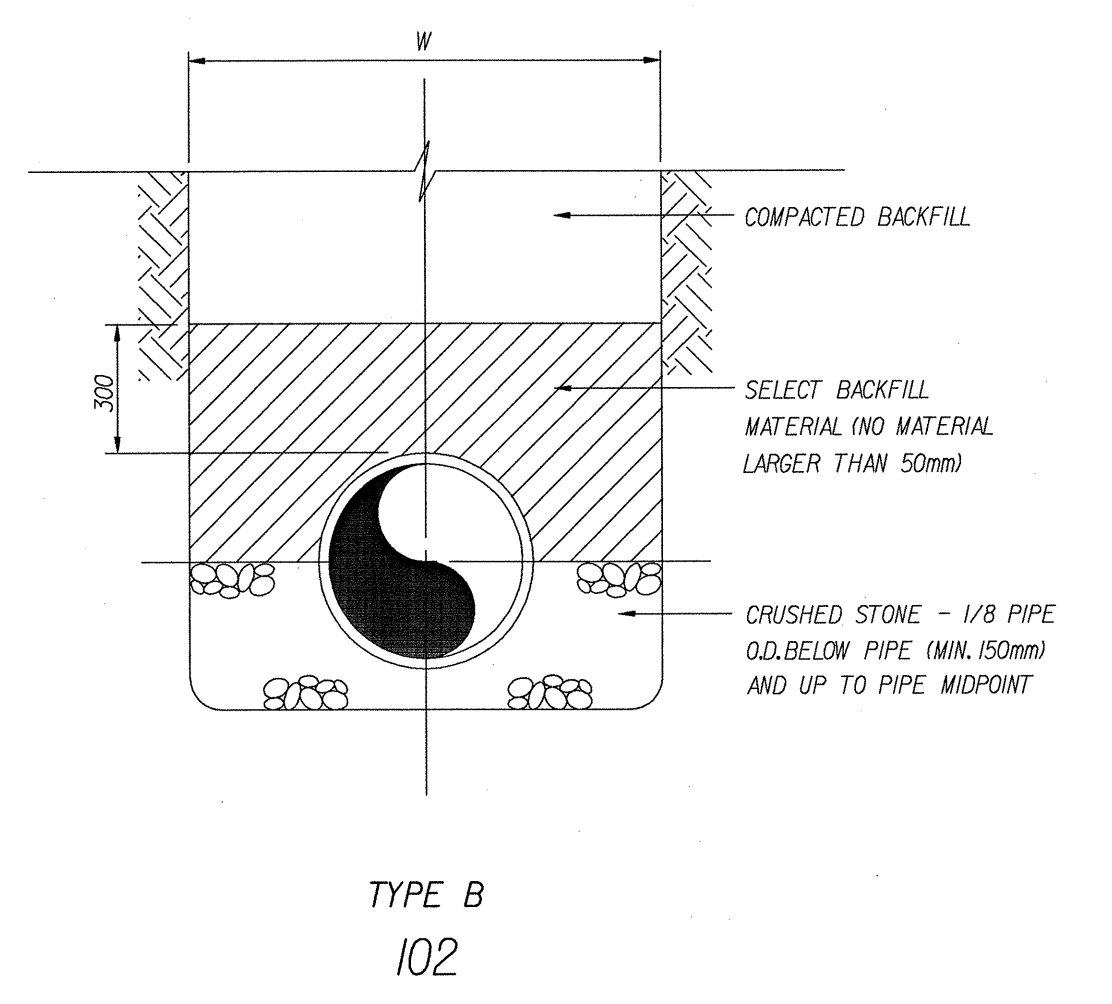
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NOTES:
 1. CONCRETE THRUST BLOCKS ARCH/ENCASEMENTS ETC. SHALL BE FORMED USING PLYWOOD OR SANDBAGS, TO PROVIDE REQUIRED SHAPE.

PIPE SIZE (mm)	CONCRETE THRUST BLOCK SCHEDULE*								DESIGN PRESSURE (MPa)
	BEND								
	90°/TEE		45°		22 1/2°		5 5/8" & 11 1/4"		
150	.670	1.370	.490	8.380	.365	.700	.245	.520	2.41
200	.884	1.770	.640	13.100	.460	.950	.335	.670	2.41
300	1.310	2.590	.950	19.200	.670	1.370	.490	.975	2.41
400	1.705	3.410	1.250	25.500	.885	1.800	.640	1.280	2.41
600	2.520	5.090	1.860	37.720	1.340	2.650	.945	1.890	2.41
750	3.140	6.310	2.315	46.630	1.650	3.290	1.160	2.350	2.41
900	3.780	7.525	2.770	55.550	1.980	3.960	1.400	2.800	2.41
1050	4.390	8.750	3.230	64.430	2.290	4.600	1.615	3.260	2.41
1200	5.000	10.000	3.690	73.500	2.620	5.240	1.860	3.720	2.41
1300	5.610	11.250	4.150	82.600	2.950	5.910	2.100	4.175	2.41

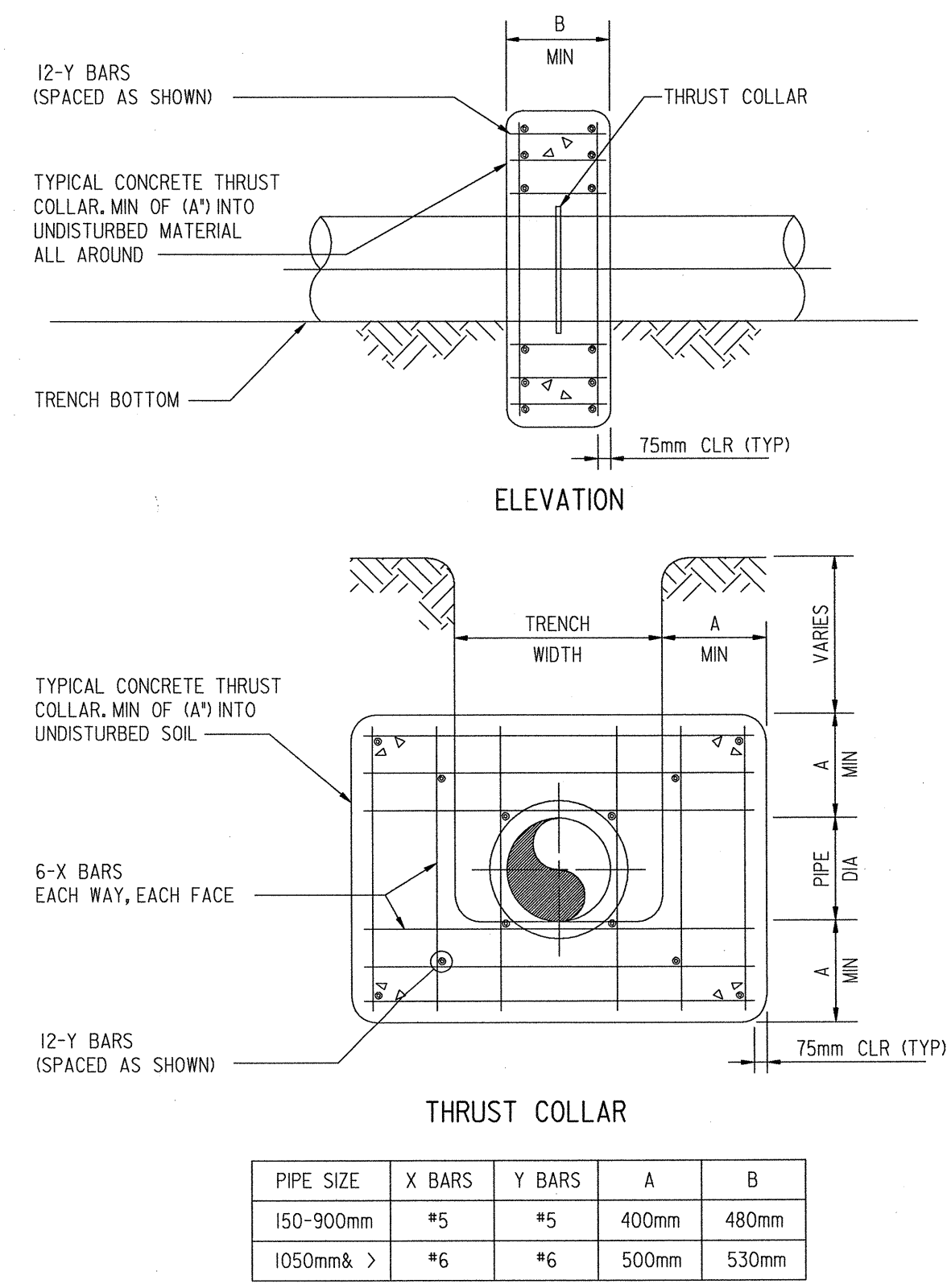
* BASED ON AVERAGE SOIL PASSIVE BEARING STRENGTH OF 95.764 KPa USING SF OF 1.5
 * H AND L DISTANCES ARE IN METERS

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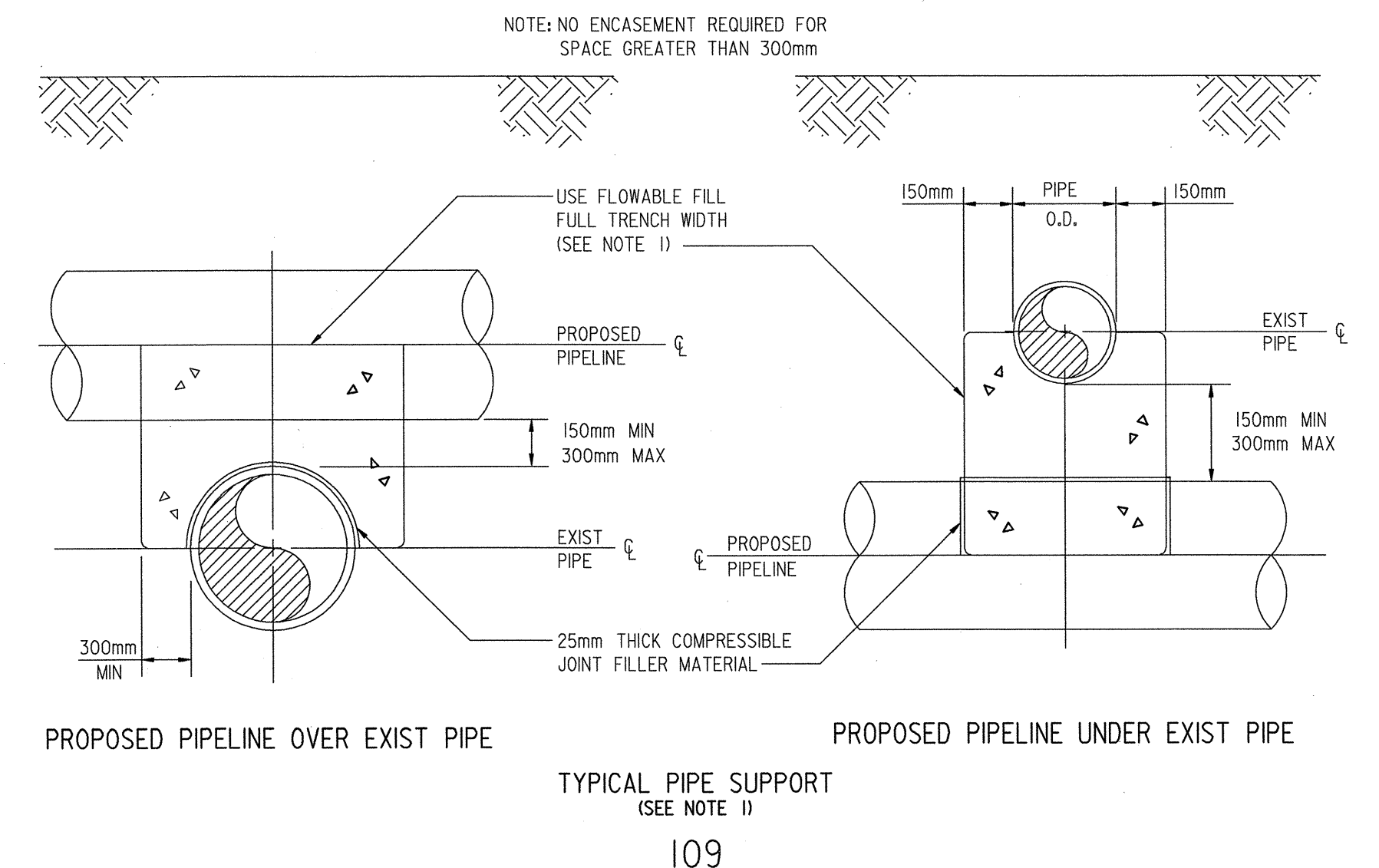


INTERNAL DIAMETER OF PIPE	TRENCH EXCAVATION LIMITS	
	W	WIDTH OF TRENCH
100-150	1125	600
200-250	1125	650
300	1125	O.D.+600mm
350-400	1250	O.D.+600mm
450	1300	O.D.+600mm
500-525	1400	O.D.+600mm
600	1475	O.D.+600mm
650	1725	O.D.+600mm
750	1975	O.D.+600mm
900	2200	O.D.+600mm
1050	2450	O.D.+600mm
1200	2625	O.D.+600mm
1350	2800	O.D.+600mm
1500	2925	O.D.+600mm
1800	3300	O.D.+600mm
1950	3500	O.D.+600mm
2100	3600	O.D.+600mm
2250	3750	O.D.+600mm
2400	3900	O.D.+600mm
2700	4200	O.D.+600mm

W = TRENCH WIDTH AT BOTTOM OF PIPE. TRENCH SIDE SLOPES SHALL BE IN ACCORDANCE WITH OSHA REQUIREMENTS.



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