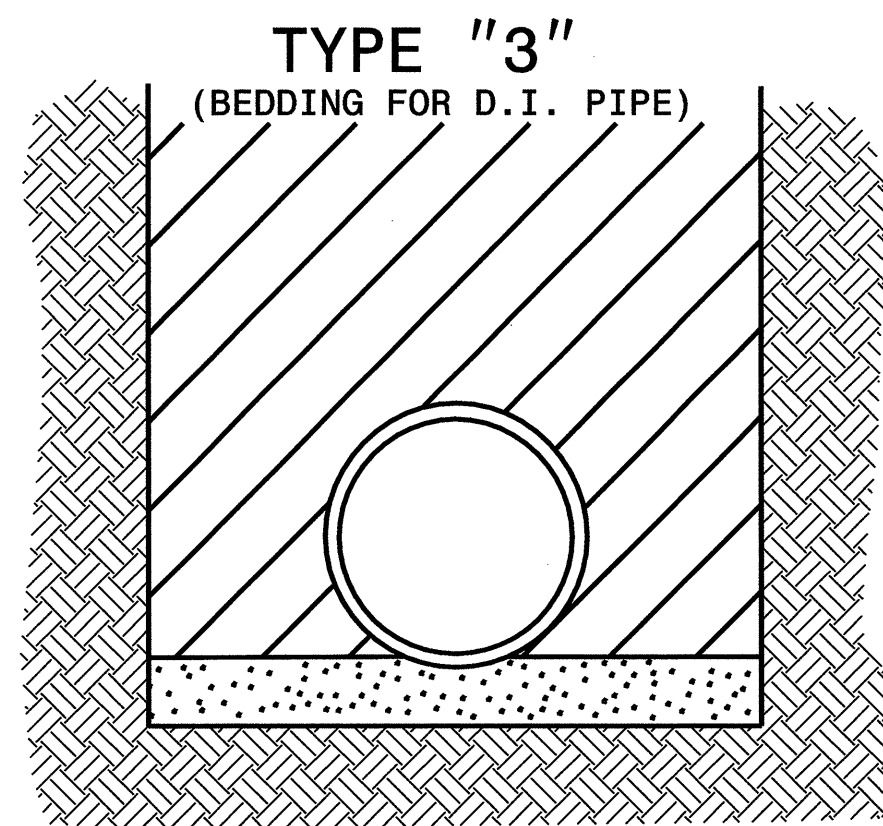
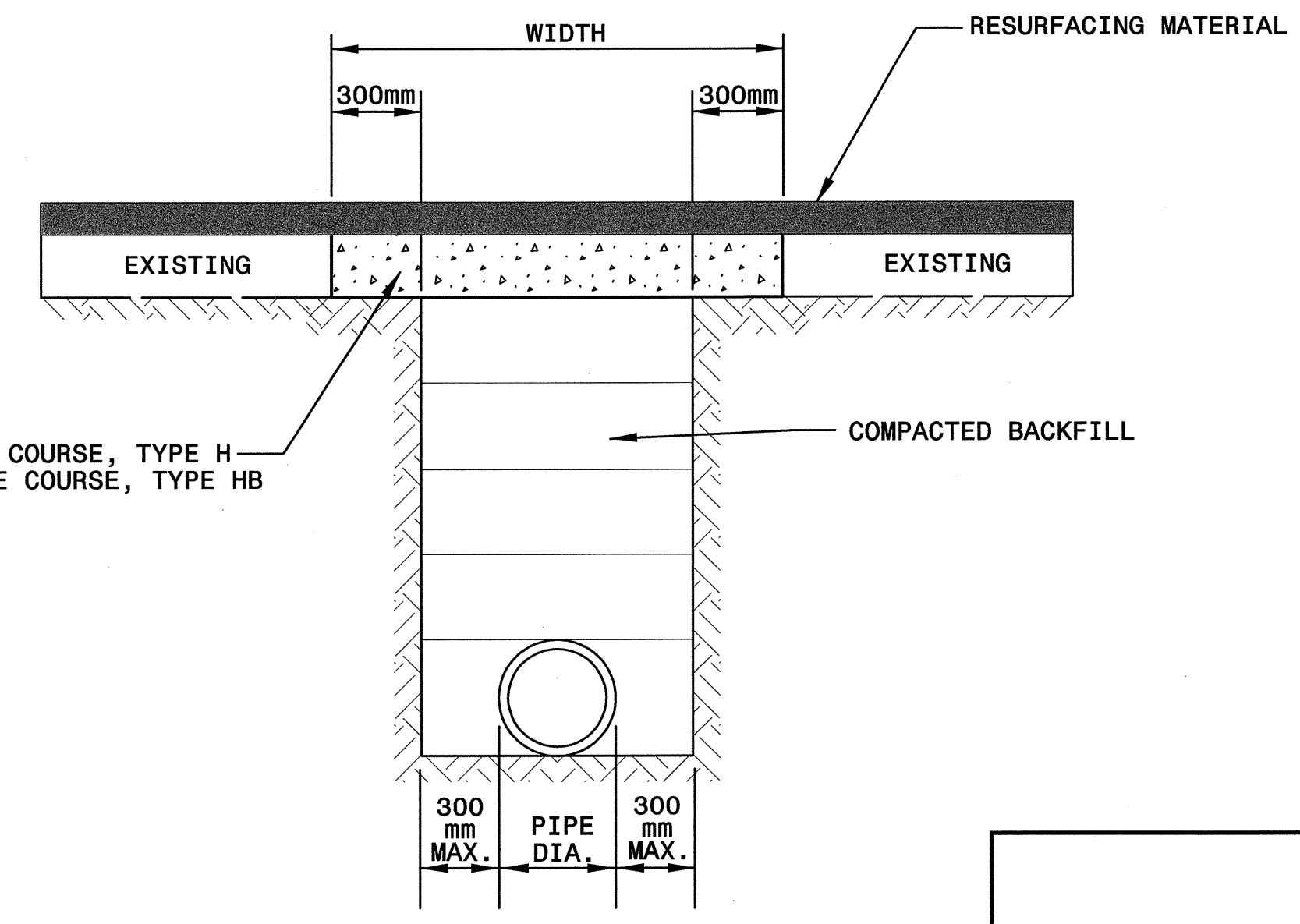


PIPE BEDDED IN LOOSE MATERIAL, LIGHTLY TAMPED WITH A MINIMUM OF 150mm UNDER PIPE. TRENCH BACKFILLED IN LOOSE 150mm LAYERS COMPACTED TO TOP OF TRENCH USING LOCAL EXCAVATED MATERIAL, IF APPROVED BY THE ENGINEER, OR SELECT MATERIAL. ALL MATERIAL SHALL BE FREE OF ROCKS, FOREIGN MATERIAL, AND FROZEN EARTH. COMPACTION SHALL BE TO APPROX. 95% DENSITY IN ACCORDANCE WITH AASHTO T-99 AS MODIFIED BY THE DEPARTMENT OF TRANSPORTATION.



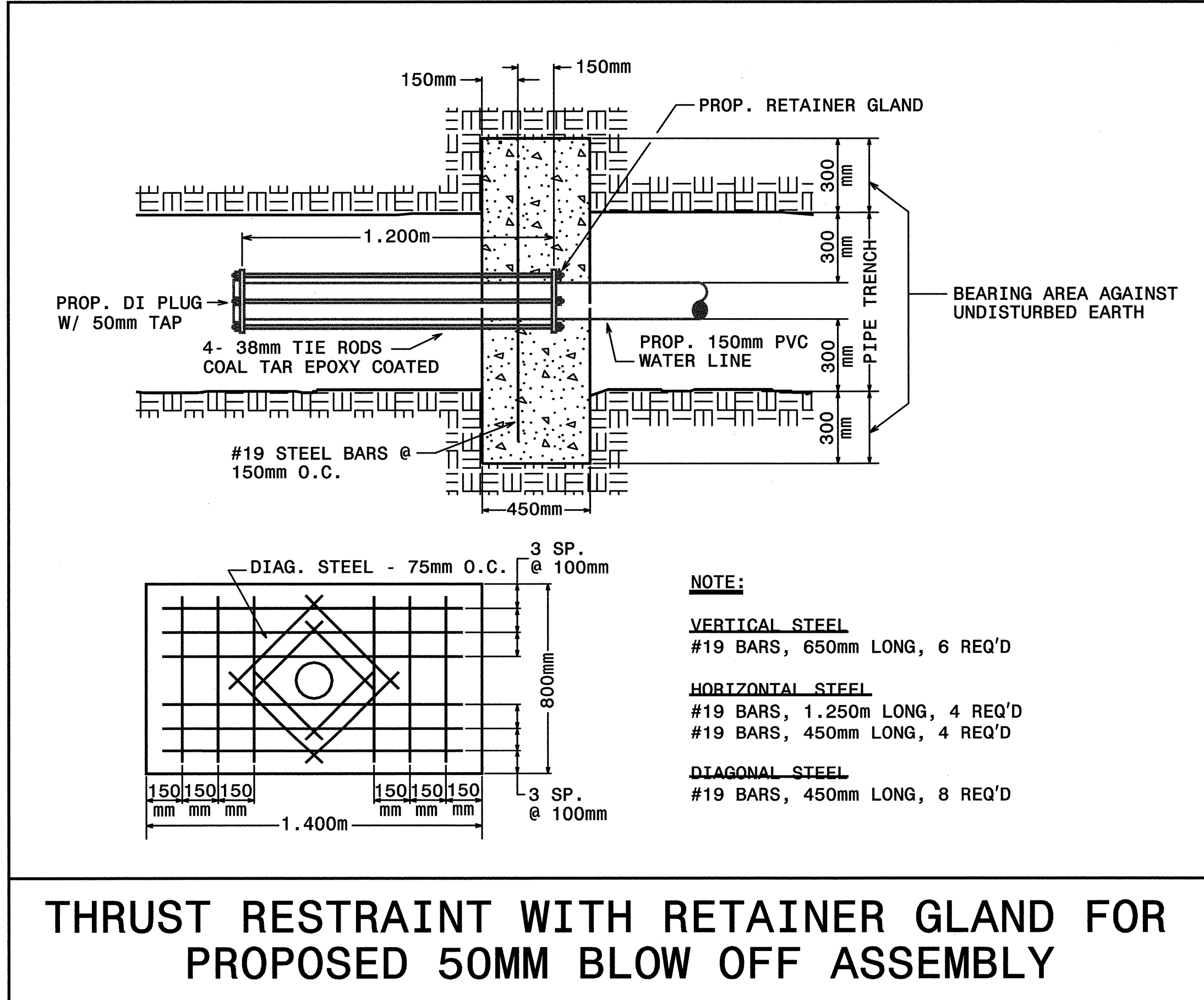
PIPE BEDDED IN 100MM MINIMUM LOOSE SOIL. TRENCH BACKFILLED IN LOOSE 150MM LAYERS COMPACTED TO TOP OF TRENCH USING LOCAL EXCAVATED MATERIAL IF APPROVED BY THE ENGINEER, OR SELECT MATERIAL ALL MATERIAL SHALL BE FREE OF ROCKS, FOREIGN MATERIAL, AND FROZEN EARTH. COMPACTION SHALL BE TO APPROX. 95% DENSITY IN ACCORDANCE WITH AASHTO T-99 AS MODIFIED BY THE DEPARTMENT OF TRANSPORTATION.



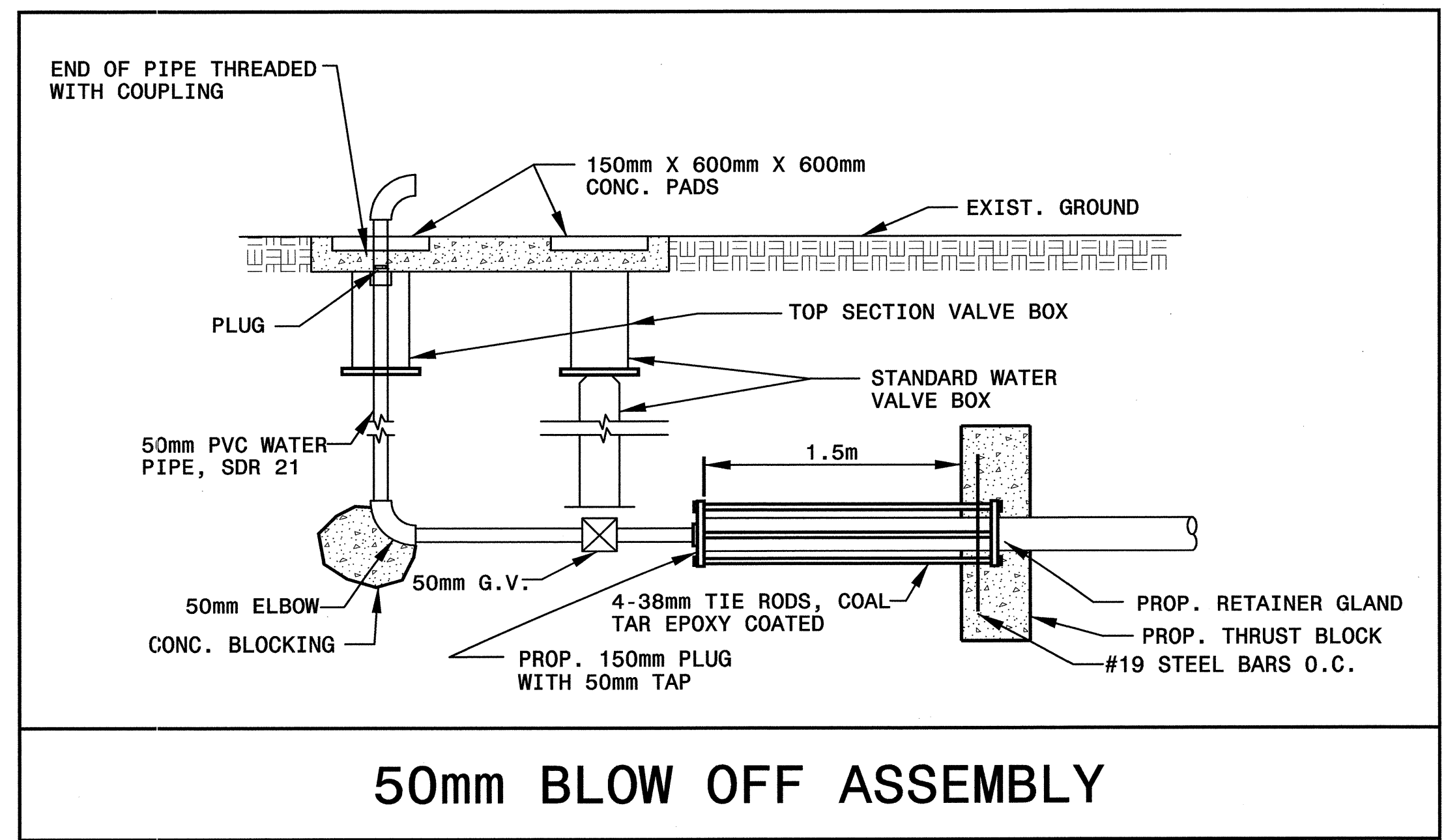
PAVEMENT REPAIR DETAIL

MAXIMUM TRENCH WIDTH AT TOP OF PIPE

NOMINAL PIPE SIZE (mm)	TRENCH WIDTH (meter)	NOMINAL PIPE SIZE (mm)	TRENCH WIDTH (meter)
102	0.72	508	1.12
152	0.76	610	1.22
203	0.81	762	1.37
254	0.86	914	1.57
305	0.91	1067	1.68
356	0.97	1219	1.83
406	1.02	1400	1.98
457	1.07		



THRUST RESTRAINT WITH RETAINER GLAND FOR PROPOSED 50MM BLOW OFF ASSEMBLY



50mm BLOW OFF ASSEMBLY

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