



KEY PLAN



DRAWING LIST

P001	EXISTING CONDITIONS & REMOVALS
P002	PROPOSED AERATION PLAN
P003	SECTIONS & DETAILS
P004	MISCELLANEOUS DETAILS

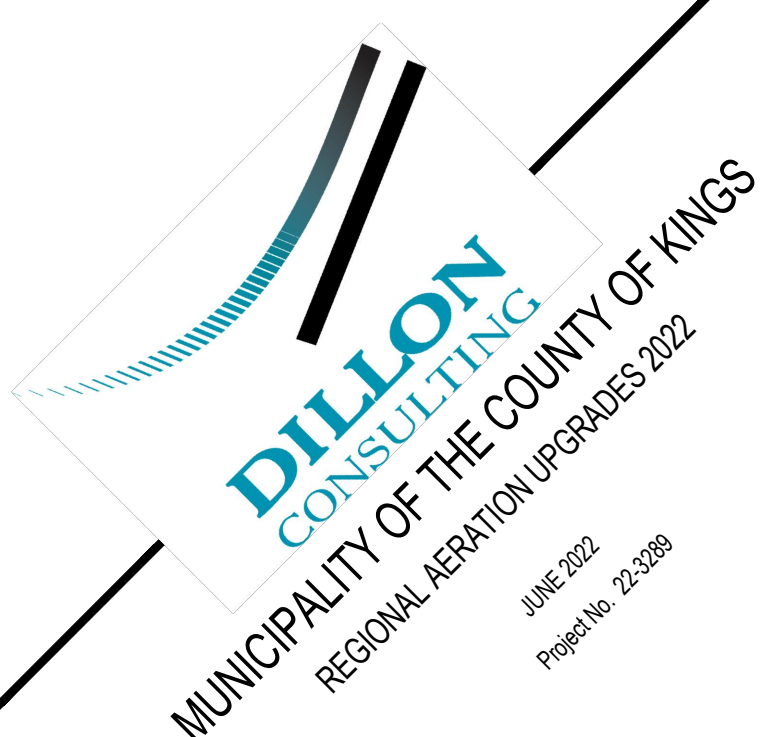
REGIONAL AERATION UPGRADES 2022

MUNICIPALITY OF THE COUNTY OF KINGS

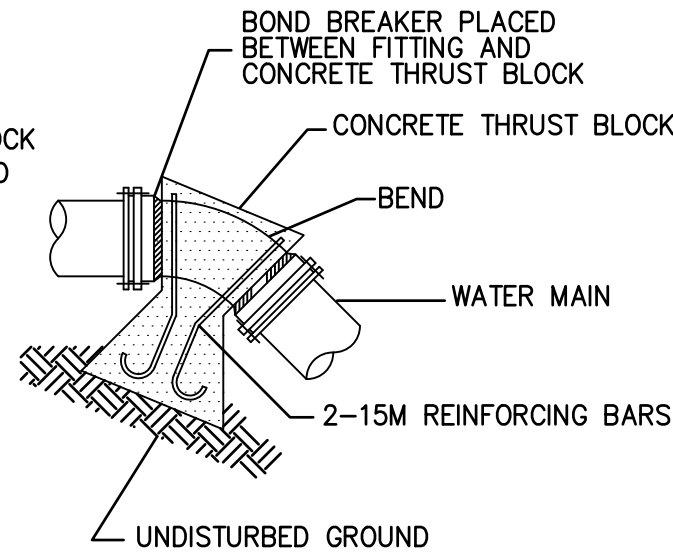
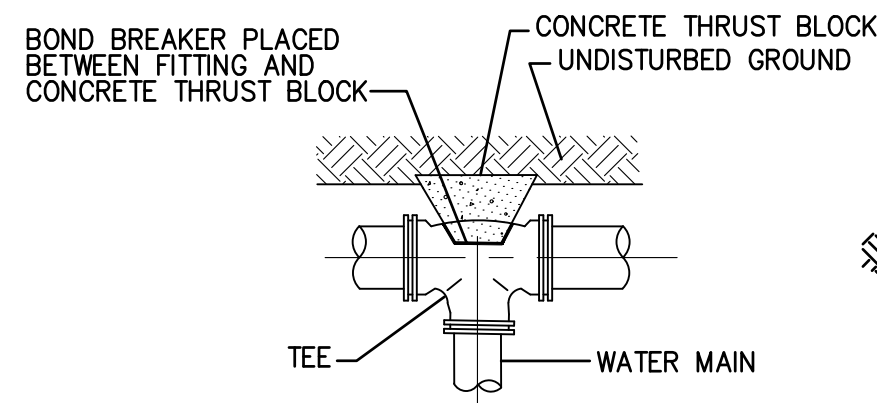
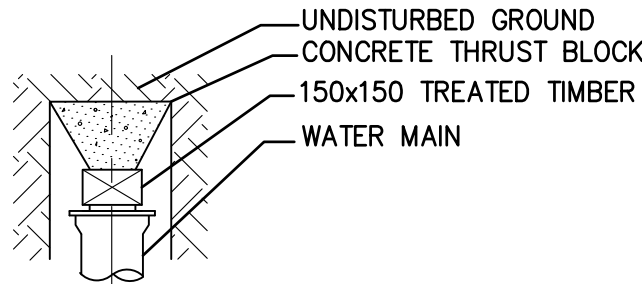
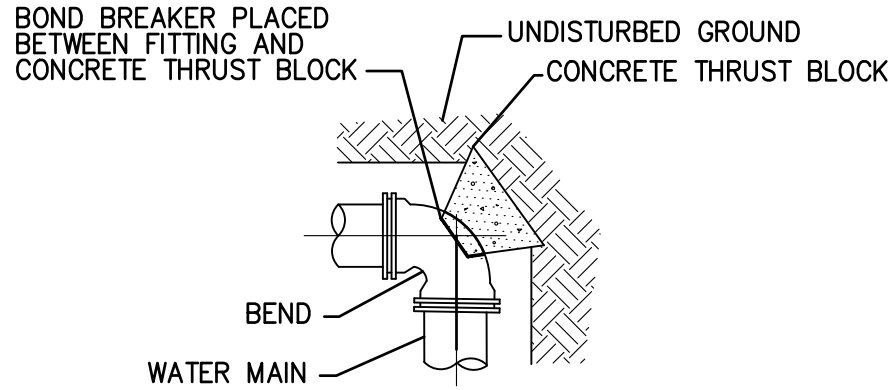
NEW MINAS, NOVA SCOTIA

PROJECT NO. 22-3289

NOT FOR CONSTRUCTION







MINIMUM CONTACT AREAS FOR CONCRETE THRUST BLOCKS						
PIPE DIA.	AREA (M²) FOR SOIL SUPPORTING CAPACITY OF 100 kPa					
mm	CAP OR PLUG	TEE	90° BEND	45° BEND	22.5° BEND	11.25° BEND
150	0.48	0.48	0.64	0.40	0.24	0.16
200	0.80	0.80	1.12	0.64	0.32	0.16

MINIMUM DISTANCE FROM FITTING TO UNDISTURBED GROUND

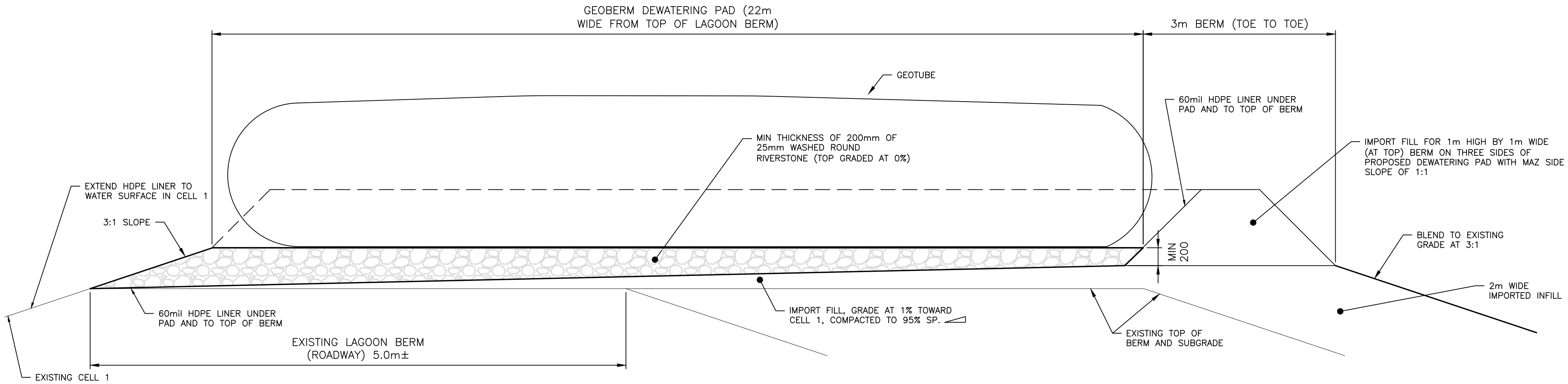
PIPE DIAMETER (mm)	mm
150	450
200	450

NOTE:

THESE TABLES ARE BASED ON SOIL SUPPORTING CAPACITIES OF 100kPa AND AN INTERNAL PRESSURE OF 1035kPa. WHERE DIFFERENT SUPPORTING CAPACITIES OR INTERNAL PRESSURES ARE ENCOUNTERED, CONTACT AREAS SHOULD BE CALCULATED ACCORDINGLY. SAFE SUPPORTING CAPACITY SHOULD BE DETERMINED BY THE DESIGN ENGINEER, AND SHOULD INCLUDE AN APPROXIMATE FACTOR OF SAFETY.

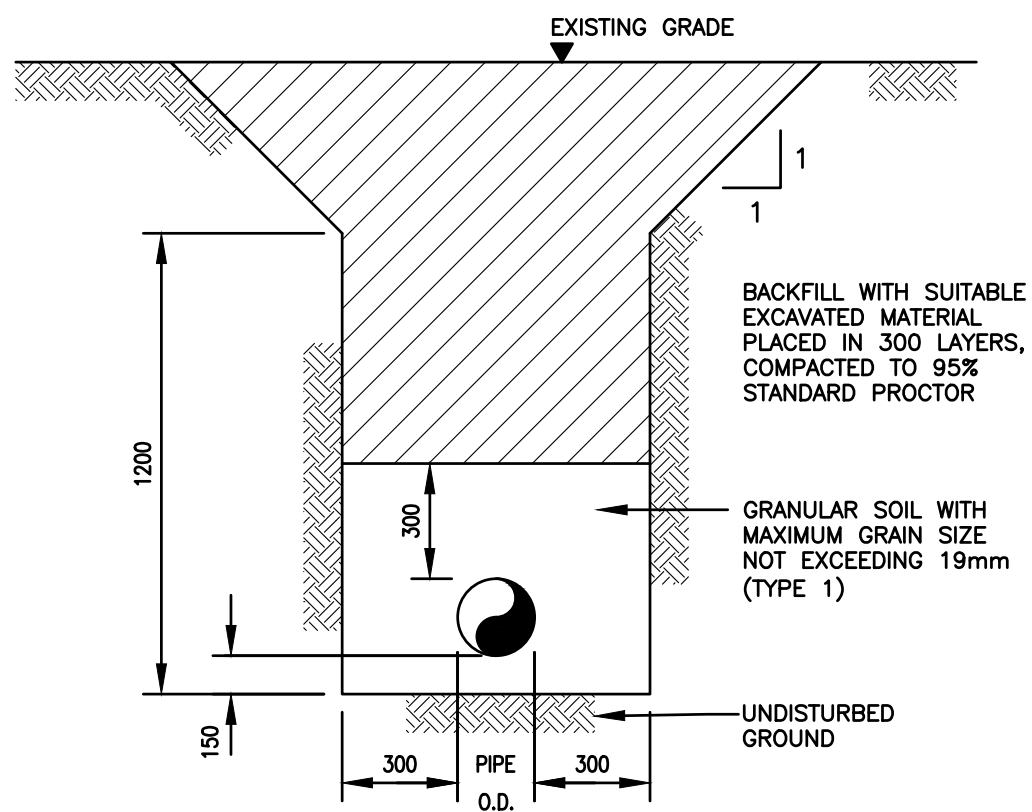
THRUST BLOCK DETAIL

N.T.S.



GEOTUBE DEWATERING DETAIL PAD

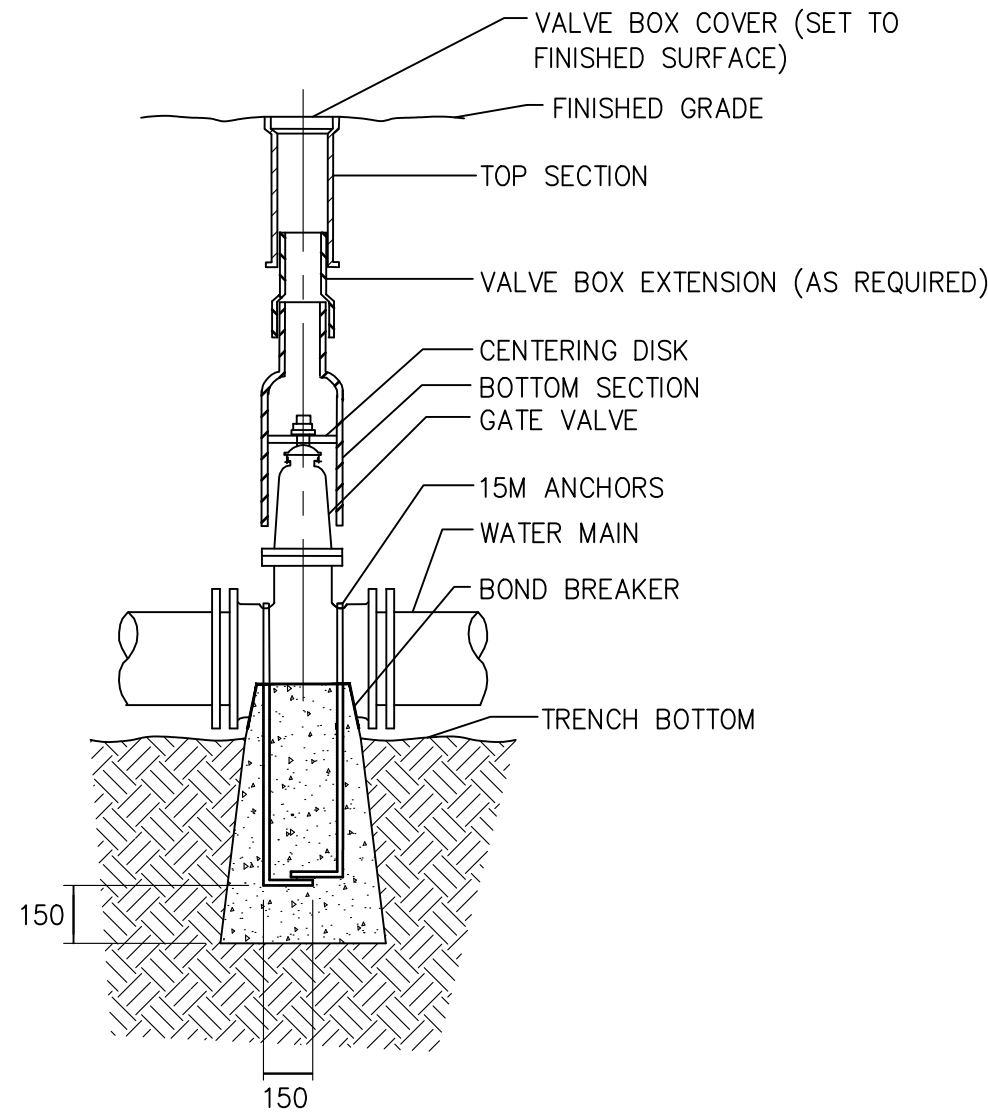
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PROVIDE 50mm RIGID INSULATION WHERE COVER IS LESS THAN 1.2m

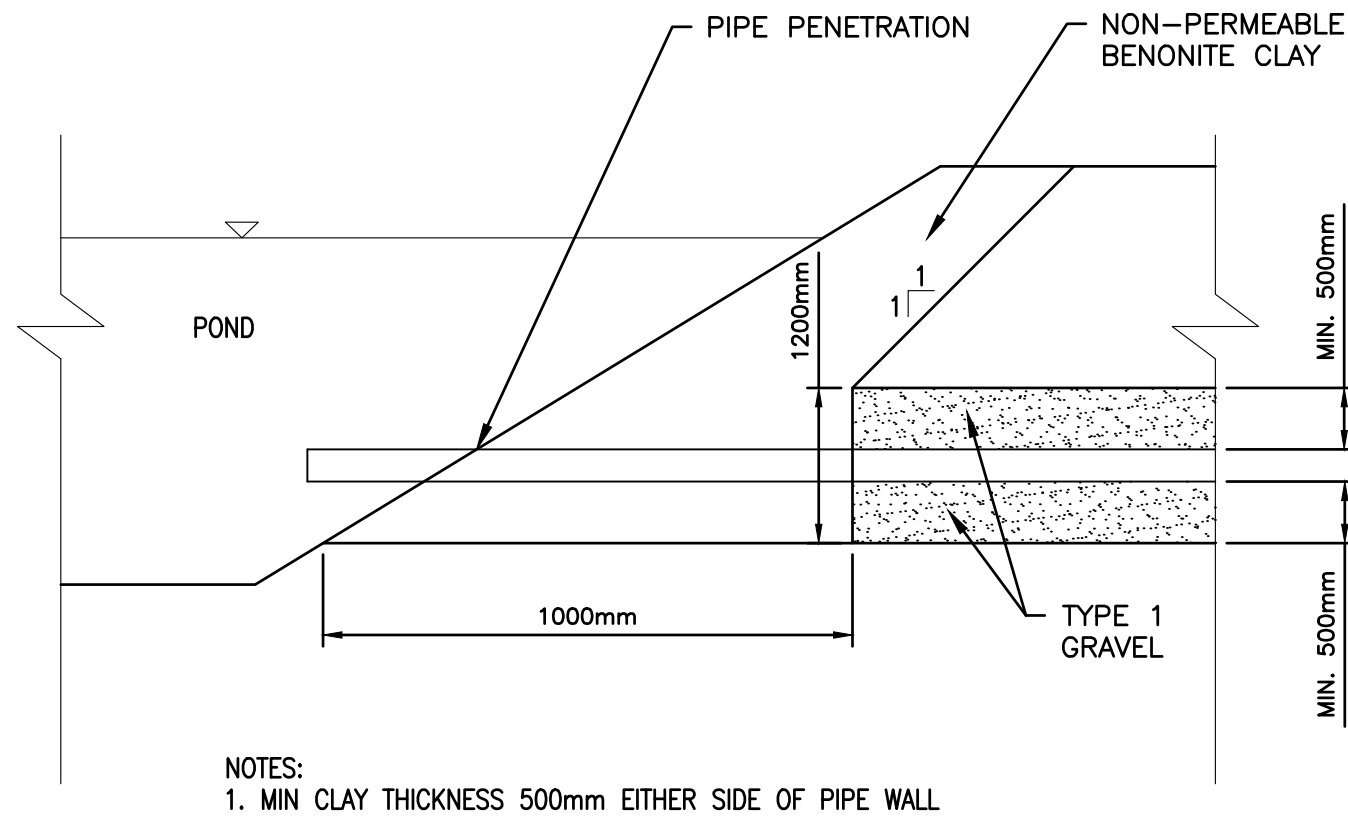
TYPICAL PIPE TRENCH

N.T.S.



VALVE DETAIL

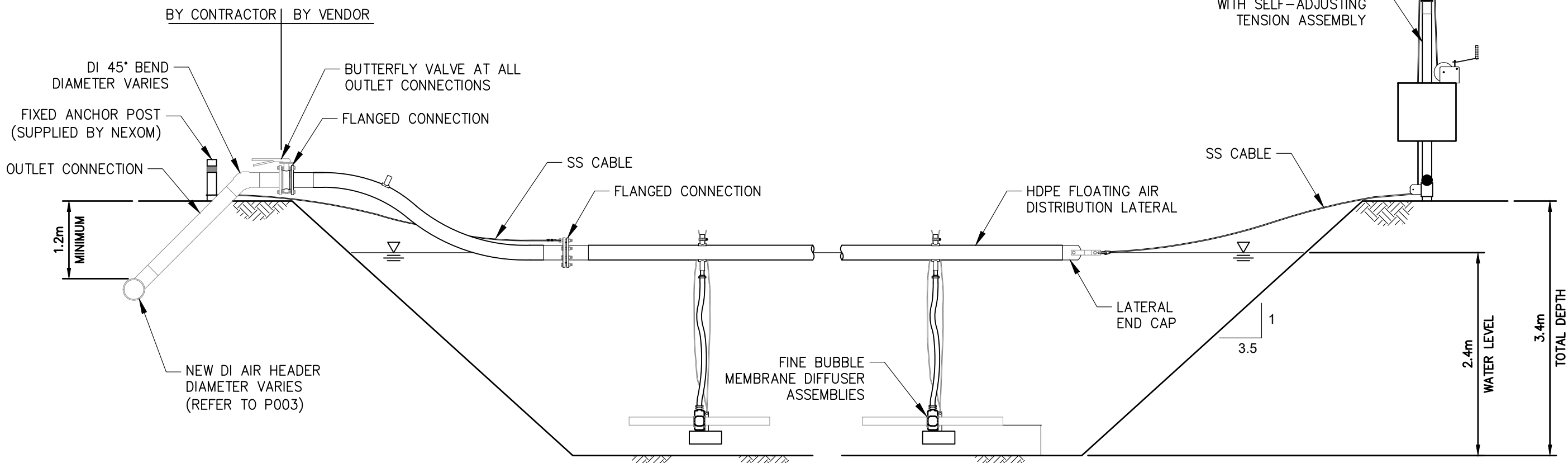
N.T.S.



NOTES:
1. MIN CLAY THICKNESS 500mm EITHER SIDE OF PIPE WALL.

TYPICAL POND LINER PENETRATION

N.T.S.



AERATED LAGOON SECTION

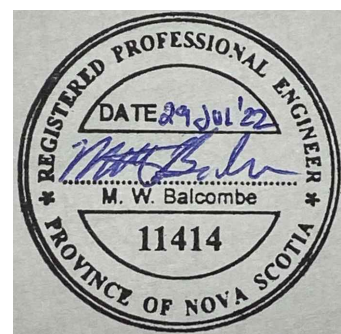
N.T.S.

Conditions of Use

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Do not scale dimensions from drawing.

Do not modify drawing, re-use it, or use it for purposes other than those intended at the time of its preparation without prior written permission from Dillon Consulting Limited.



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DESIGN	TES	REVIEWED BY	KRM
DRAWN	ABS	CHECKED BY	MWB
DATE	JUNE 2022	SCALE	AS SHOWN
1	ISSUED FOR TENDER	2022-JUL-29	KRM
No.	ISSUED FOR	DATE	BY

MUNICIPALITY OF THE COUNTY OF KINGS
REGIONAL AERATION UPGRADES 2022

NEW MINAS SEWAGE TREATMENT PLANT
MISCELLANEOUS DETAILS

PROJECT NO.
22-3289

SHEET NO.

P004