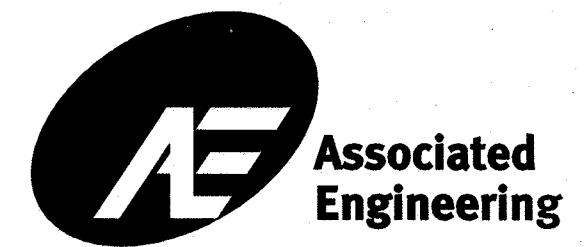


Consultant's Name
Nom de l'expert-conseil

Eng. Stamp
Sceau de l'ingénieur



APEGGA Permit to Practice P 3979

No.	Description / Description	Date / Date
0	ISSUE FOR TENDER AND CONSTRUCTION	2013.04.24

Revision / Revision	
A	detail number numéro de détail
B	source drawing no. de dessin no.
C	detail on drawing no. détail sur dessin no.

project	Correctional Service Canada	Service Correctionnel Canada	projet
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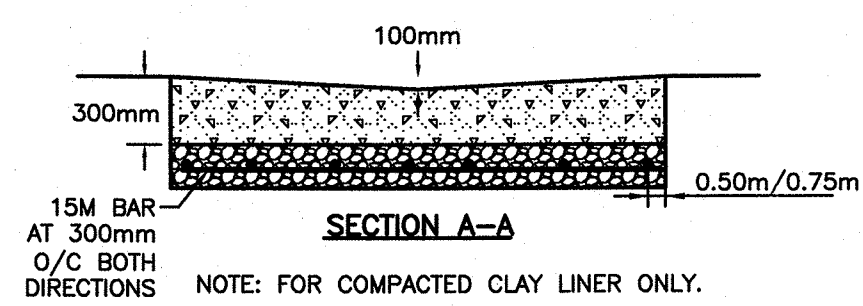
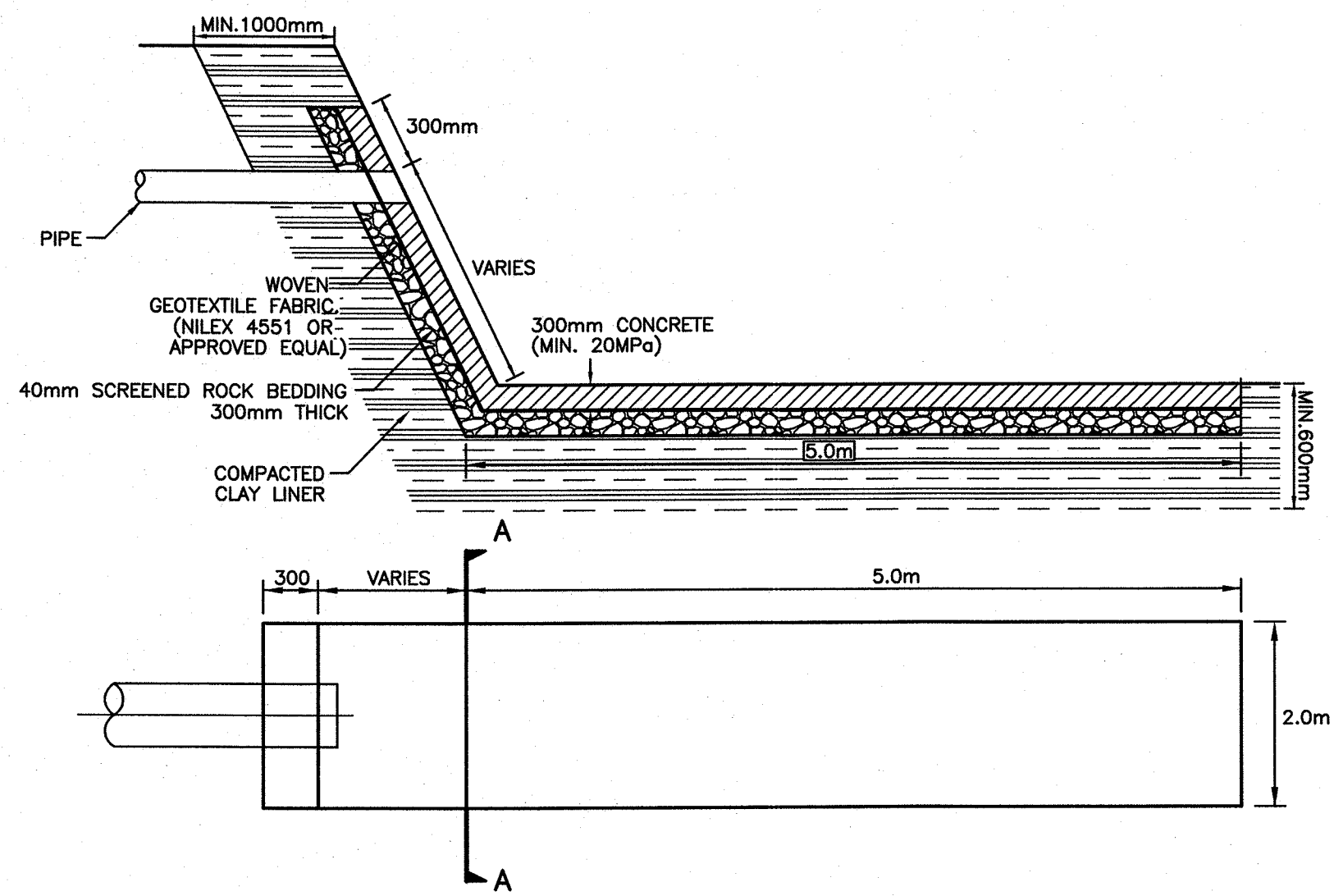
Sewage Infrastructure Upgrade
Bowden Institution
Innisfail, Alberta

drawing	dessin
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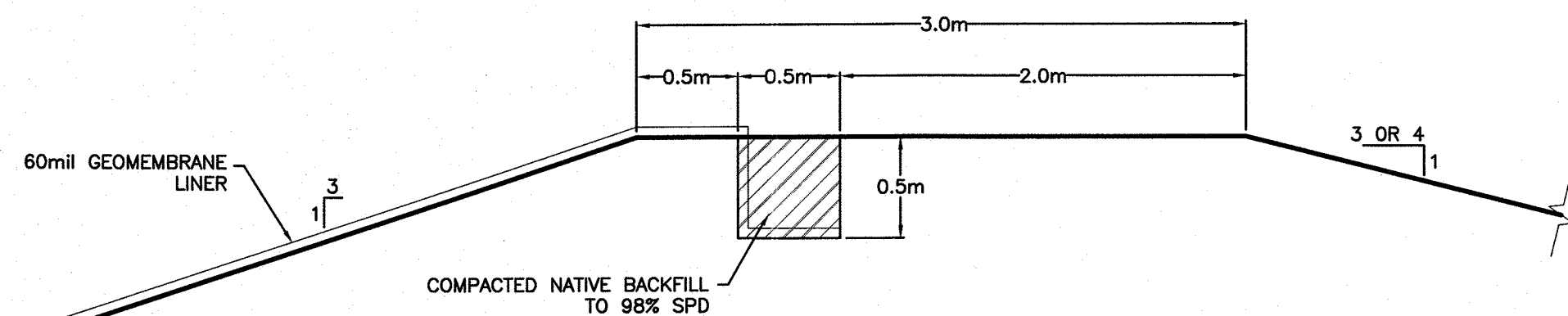
DETAILS

designed	Steven Kennedy	concept
date	2012.09.28	
drawn	Marcel Revet	dessiné
date	2012.09.28	
reviewed	-	revise
date	-	
approved	-	approuvé
date	-	
Tender	Steve Phypers	Soumission
PWGCS Project Manager	Administrateur de Projets TPSGC	
project number	R.051803.001	no. du projet
drawing no.	C-010	no. du dessin

Canada

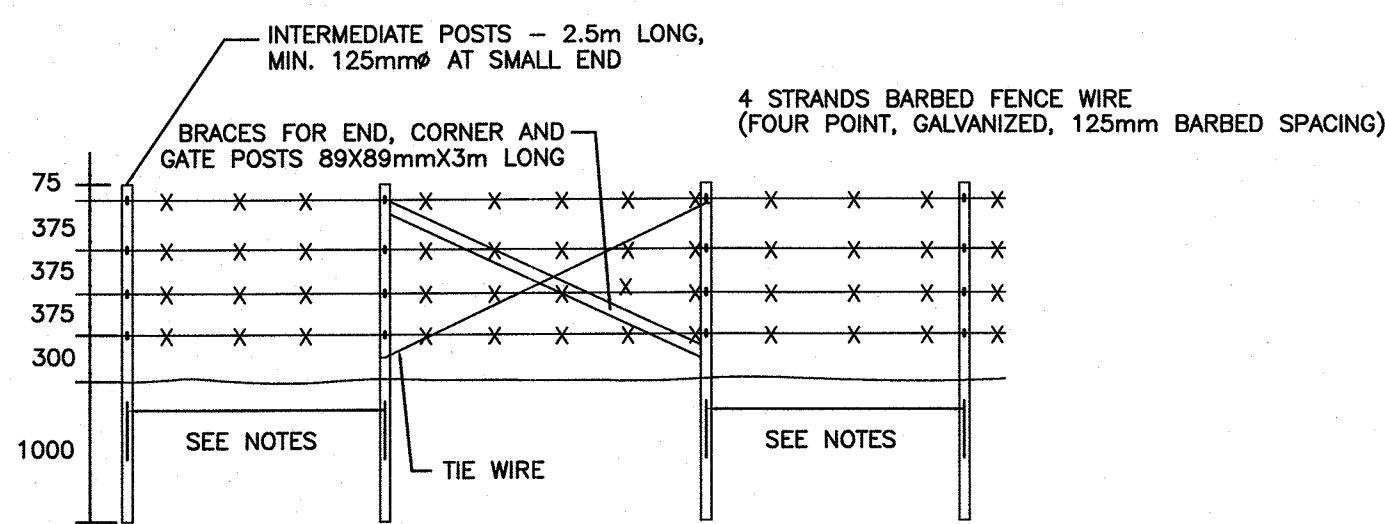


15	15	15	15	15	15	TYPICAL CONCRETE SPLASH PAD
C-002	C-003	C-007	C-008	C-009	C-012	N.T.S



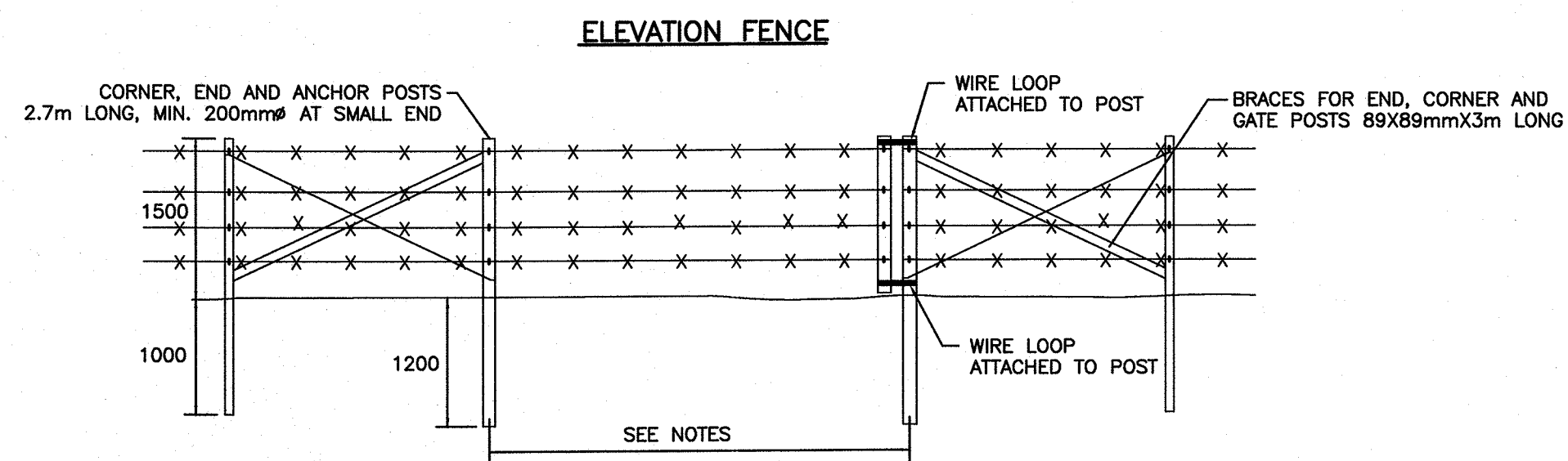
16	16	16	16	GEOMEMBRANE ANCHOR TRENCH DETAIL
C-005	C-006	C-008	C-009	N.T.S

NOTE: FOR HDPE LINER ONLY.

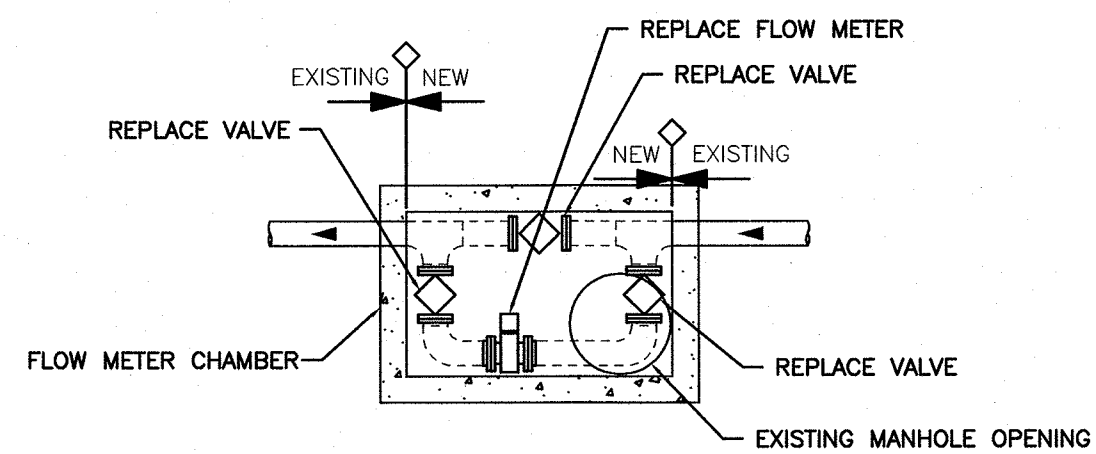
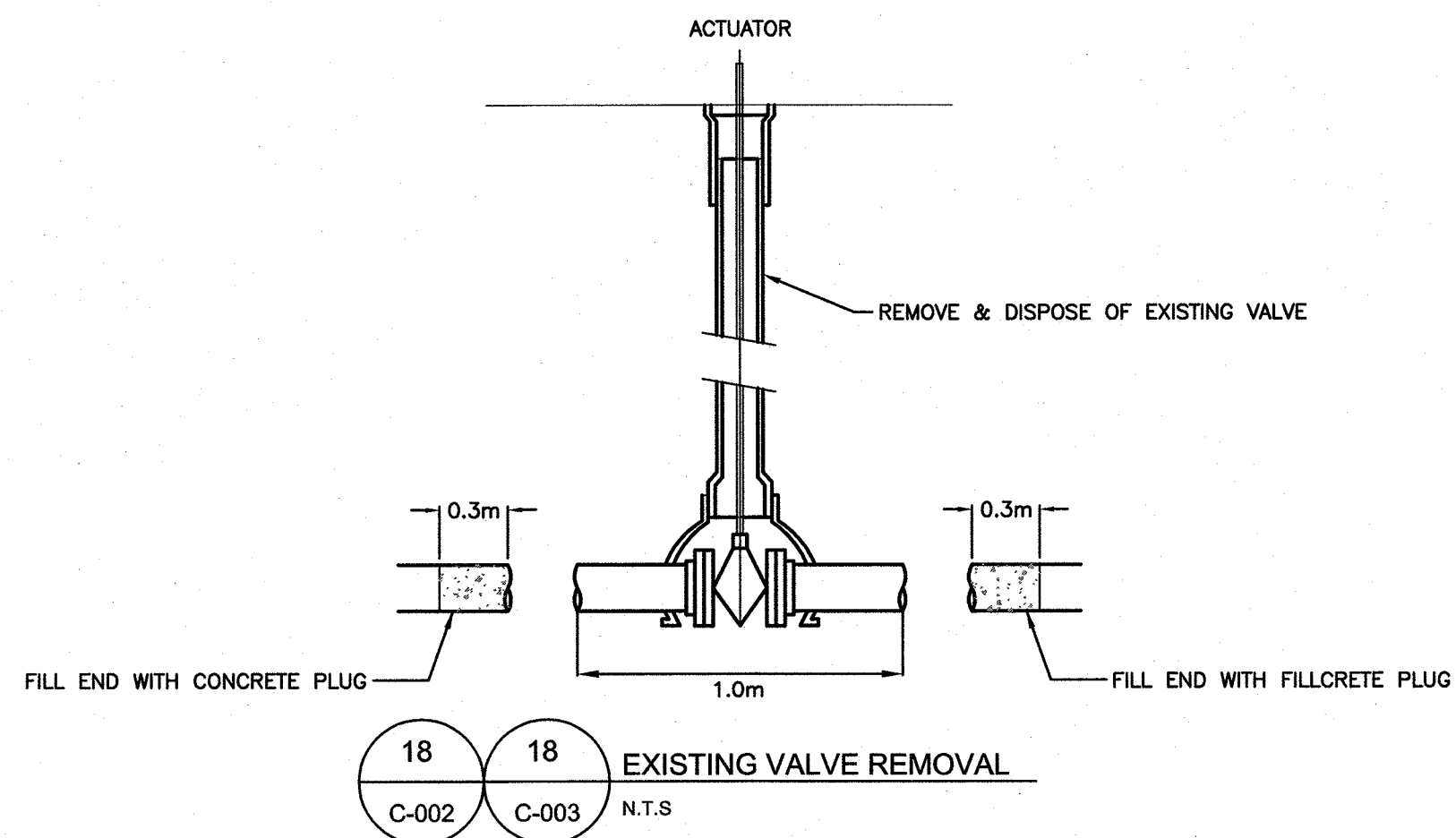


NOTE:

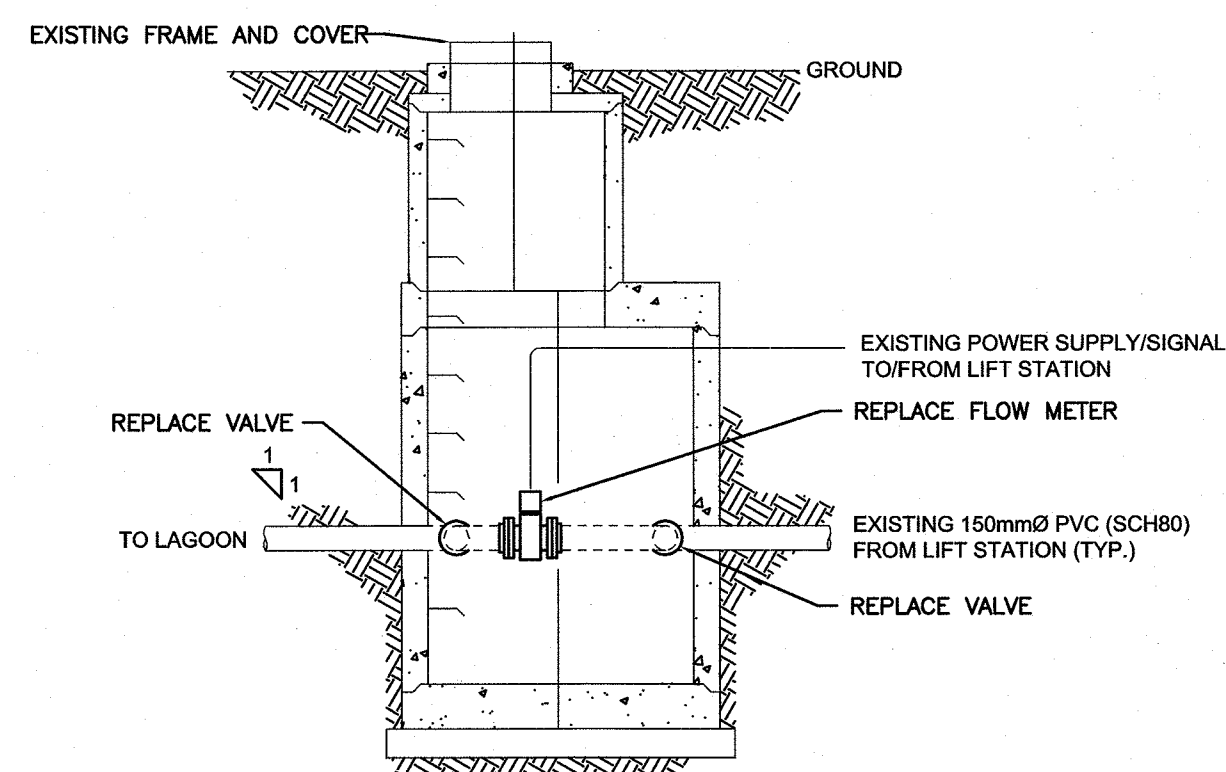
1. MINIMUM DISTANCE FOR BRACE POSTS IS 400m ON TANGENTS AND 200m LONG CURVES.
2. DIMENSIONS IN MILLIMETERS UNLESS SPECIFIED OTHERWISE.
3. POSTS TO BE CONSTRUCTION GRADE, PRESSURE TREATED TIMBER TO CAN/CSA 080 SERIES
4. ANCHOR CORNER, GATE, END ANCHOR POSTS WITH 38X40X910mm CLEATS
5. POST SPACING:
 - SPACE INTERMEDIATE POSTS AT 5m
 - SPACE CORNER, END AND GATE POSTS 3m FROM ADJACENT POST



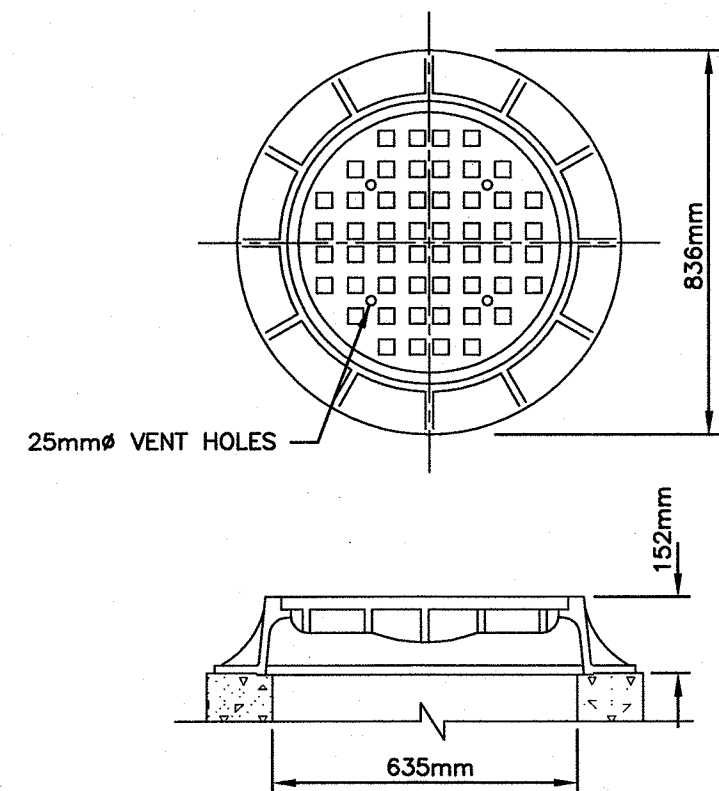
17	17	17	BARBED WIRE FENCE DETAIL
C-002	C-004	C-006	N.T.S



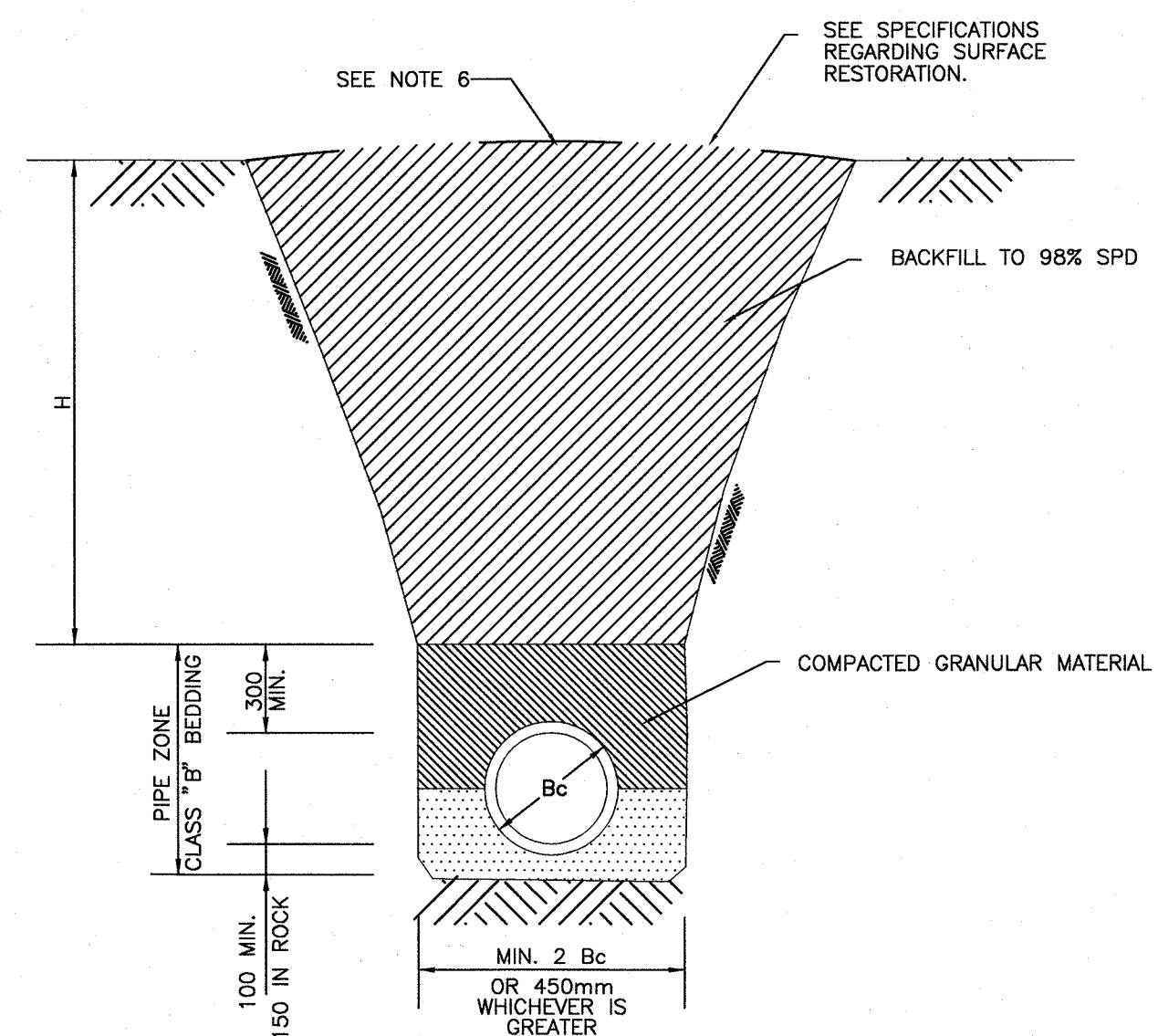
PLAN VIEW FLOW METER CHAMBER



19	FLOW METER CHAMBER
C-002	N.T.S



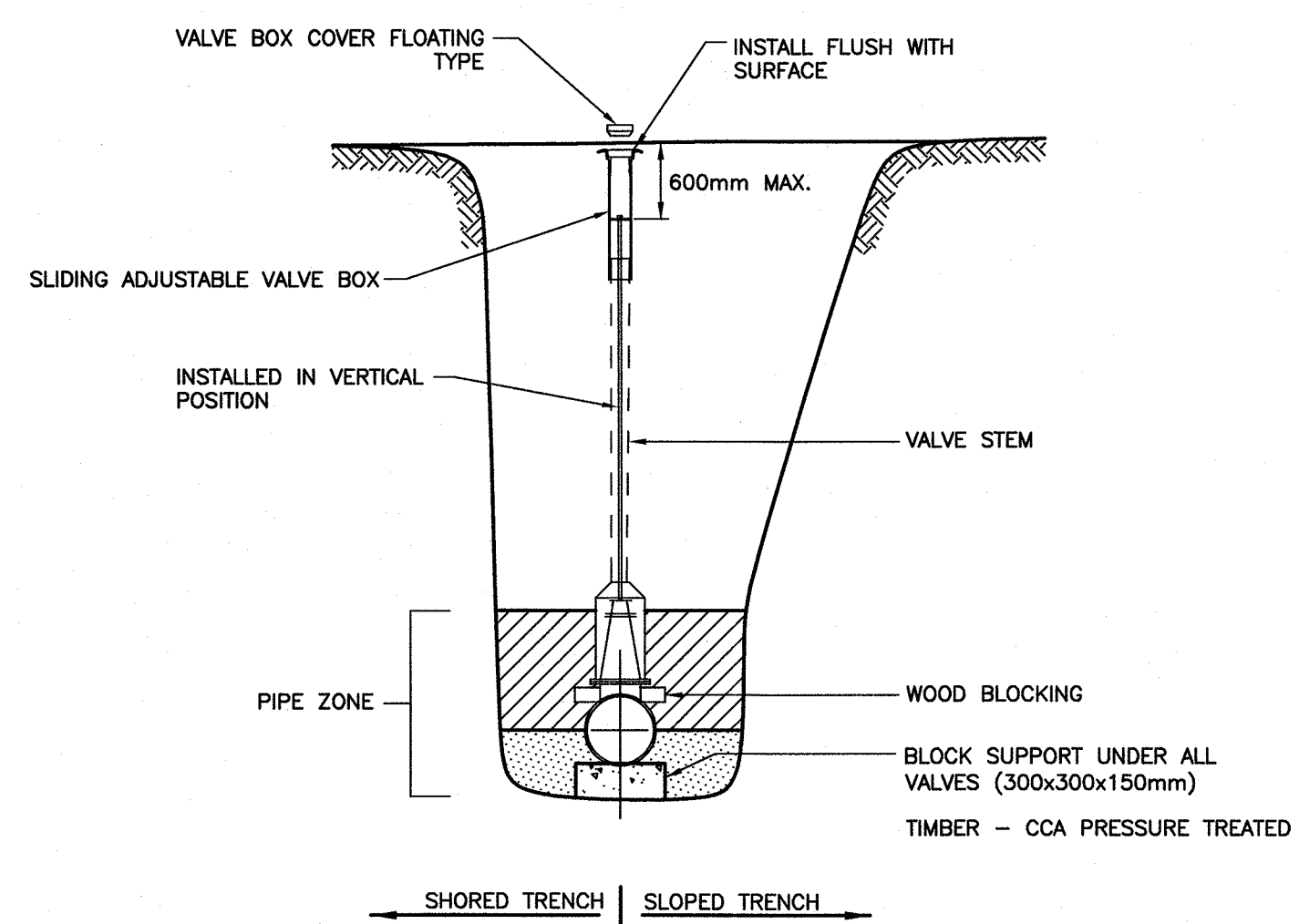
20	20	20	F-39 FRAME AND COVER
C-008	C-009	C-011	N.T.S



NOTES:

1. WHEN CUT BACK SLOPES ARE TO BE USED IN LIEU OF CAGES AND SHORING, THESE SLOPES ARE TO MEET REQUIREMENTS OF LOCAL CODES.
2. H = TRENCH DEPTH ABOVE BEDDING ZONE.
3. SEE SPECIFICATIONS FOR A MINIMUM COVER ABOVE PIPE.
4. MIN. PIPE ZONE WIDTH IS SPECIFIED TO ALLOW PROPER PIPE ZONE COMPACTION.
5. Bc = OUTSIDE PIPE DIAMETER.
6. FOR UNCOMPACTED BACKFILL, CROWN TRENCH BY 0.1 x H.

21	TRENCH DETAIL
-	N.T.S



NOTES:

1. FOR VALVES LESS THAN 400mm USE FLOATING TYPE VALVE BOX.
2. ALL BOLTS TO BE STAINLESS STEEL WRAPPED WITH DENSO MASTIC AND DENSO TAPE.
3. VALVES TO BE FLANGED WHEN CONNECTING TO POLYETHYLENE PIPE.

22	VALVE INSTALLATION DETAIL
C-009	N.T.S