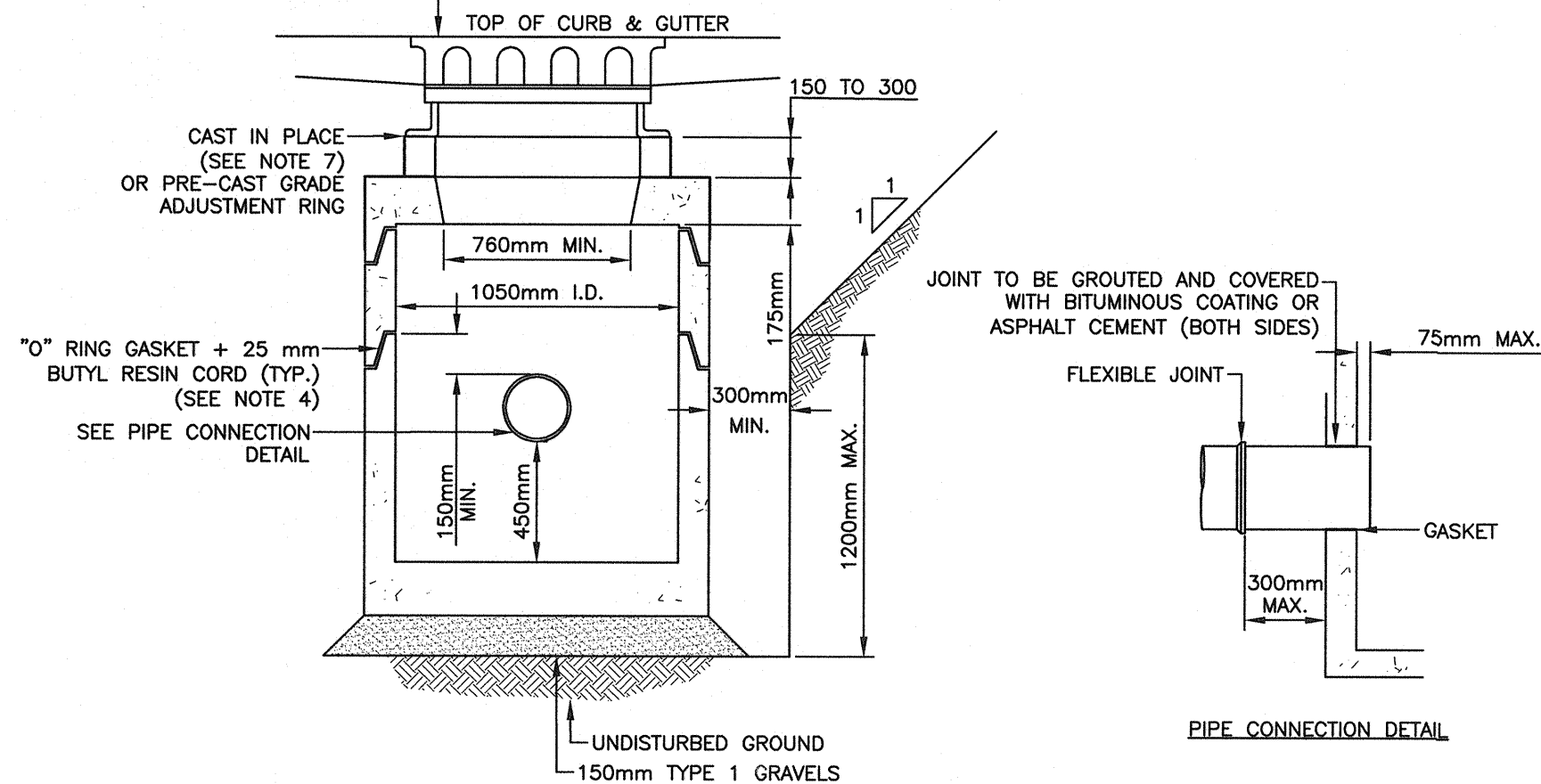
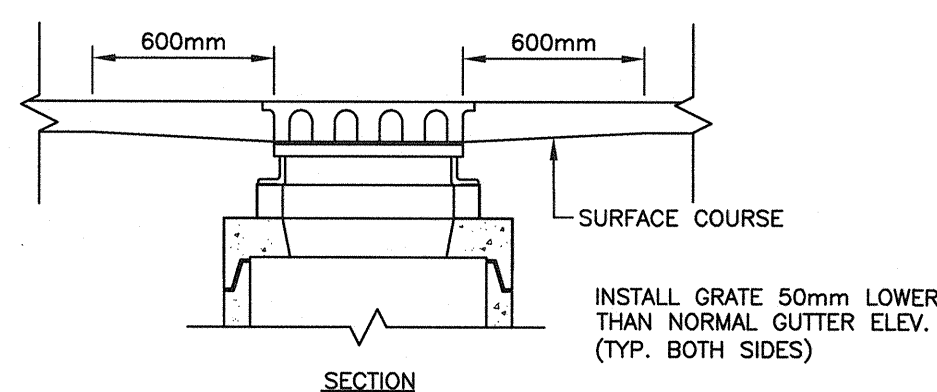


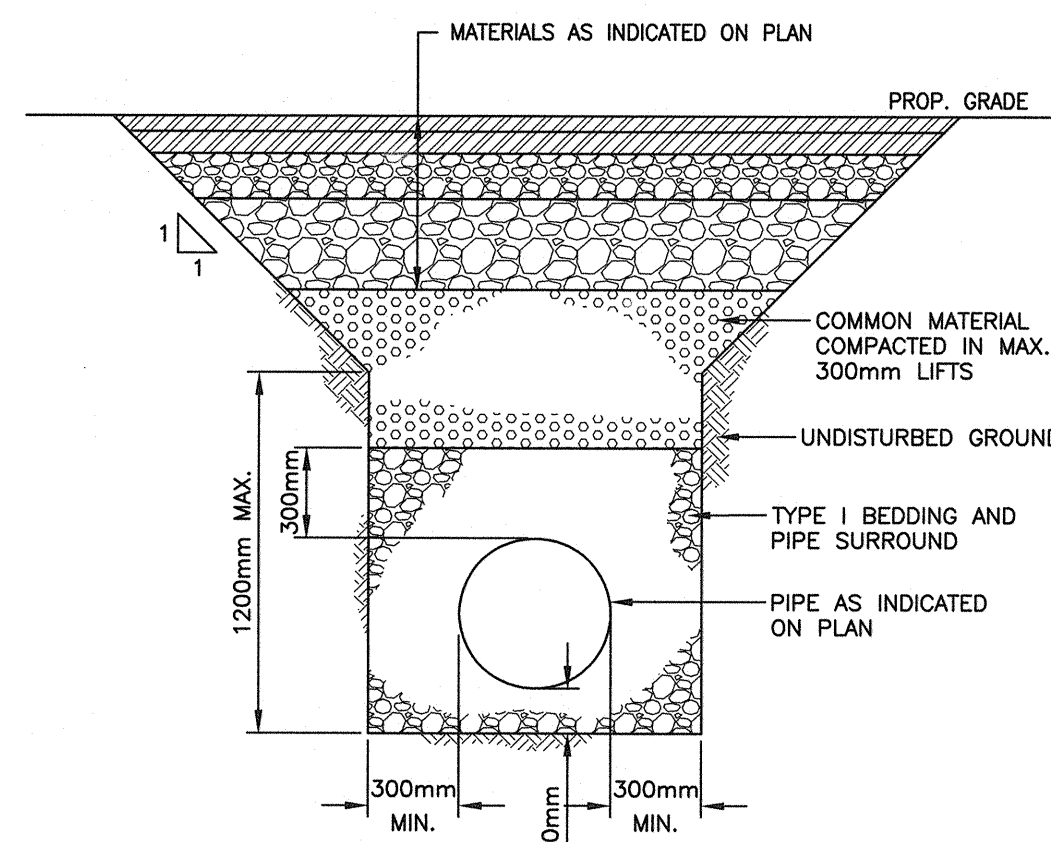
HEAVY DUTY FRAME AND GRATING
WITH SIDE INLET SUITABLE FOR USE
IN CURB & GUTTER APPLICATIONS



1 TYPICAL CATCHBASIN DETAIL
C104 SCALE : N.T.S.

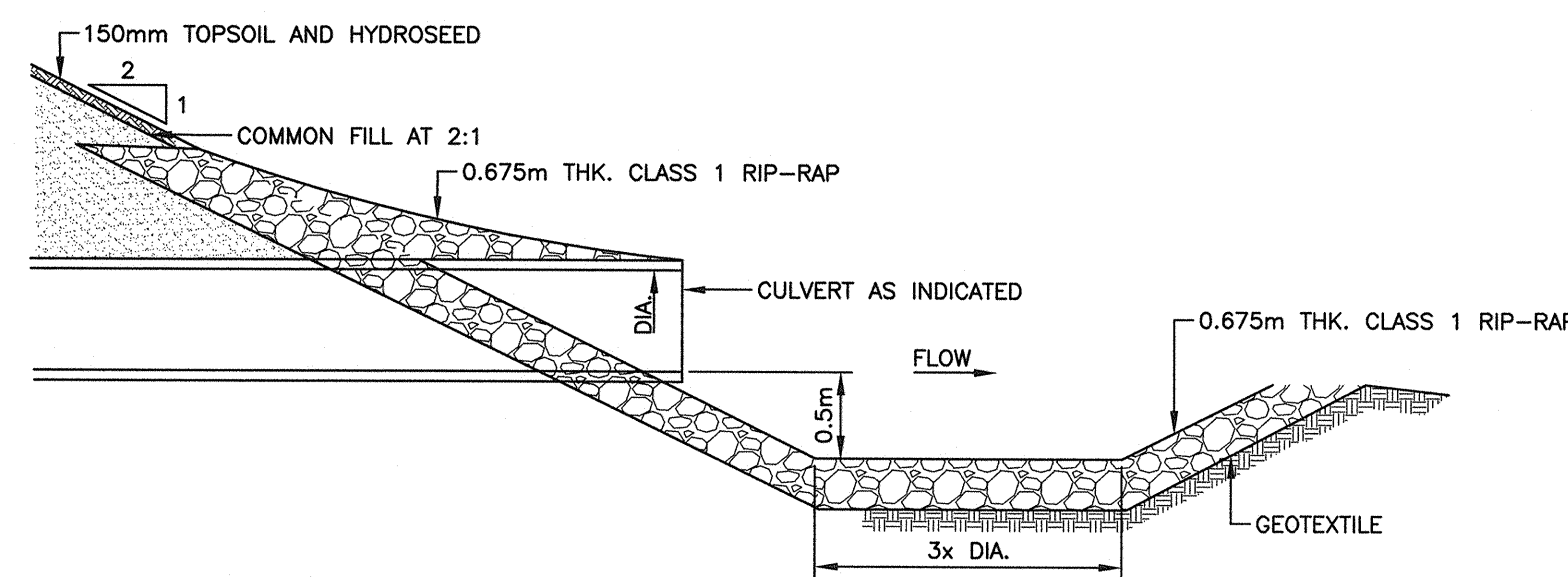


2 CATCHBASIN INSTALLATION AT CURB
C104 SCALE : N.T.S.

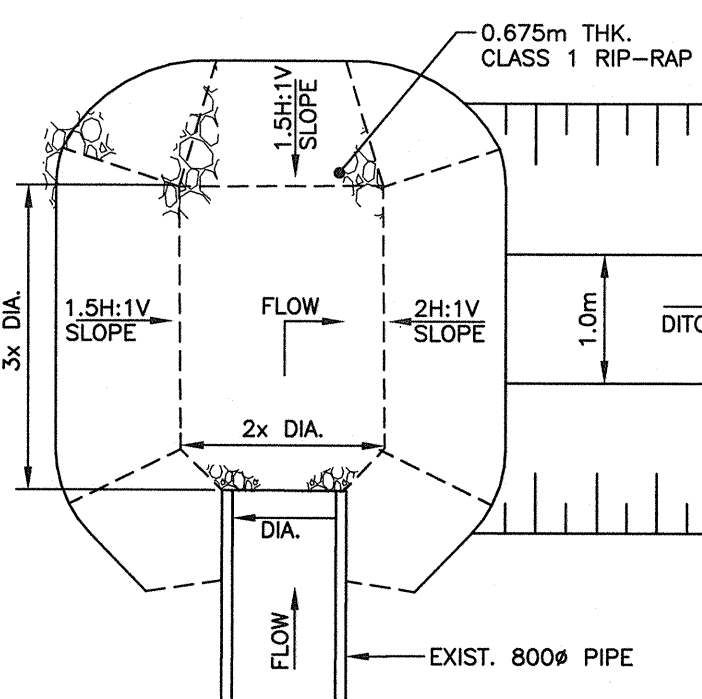


3 PIPE BACKFILL DETAIL
C104 SCALE : N.T.S.

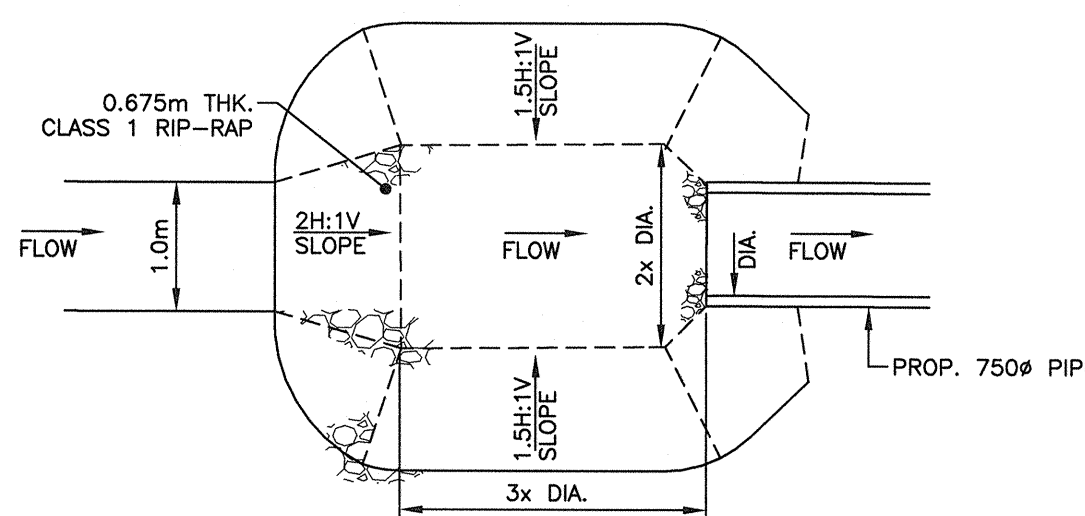
- CATCHBASIN NOTES:
1. WATERTIGHT SEAL RING BETWEEN SECTIONS.
 2. LIFT HOLES IN PRECAST SECTIONS TO BE GROUTED WITH CEMENT MORTAR PRIOR TO PLACING GRANULAR BACKFILL.
 3. IF FINAL GRADE ADJUSTMENT EXCEEDS 150mm IN HEIGHT, REBAR MUST BE INCORPORATED IN THE RAISED SECTION.
 4. IN ADDITION TO O-RING GASKETS, JOINTS IN PRECAST SECTIONS SHALL BE SEALED WITH 25mm BUTYL RESIN CORD. THE CORD SHALL BE PLACED ON THE UPPER INSIDE LEDGE OF THE JOINT PRIOR TO PLACEMENT OF THE SUBSEQUENT SECTION.
 5. BACKFILL SHALL BE TYPE 2 SURROUND MATERIAL EXTENDING A MIN. OF 300mm OUTWARD FROM STRUCTURE AND VERTICALLY FROM BEDDING MATERIAL TO UNDERSIDE OF ROADBED GRAVELS, COMPACTED IN 300mm LAYERS.
 6. "A-LOK" OR APPROVED "O" RING GASKETS SHALL BE THOROUGHLY CLEANED, THEN COVERED GENEROUSLY WITH LUBRICANT SPECIFIED BY THE PIPE MANUFACTURER.
 7. CAST-IN-PLACE GRADE ADJUSTMENT TO BE COMPLETED WITH AIR ENTRAINED 40 MPa CONCRETE ON AN APPROVED NON-SHRINK GROUT.



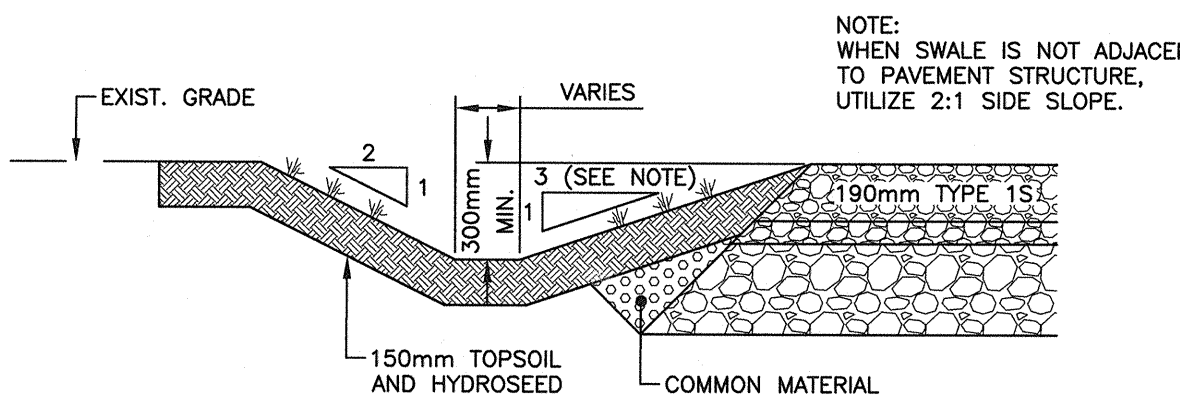
4 ENERGY DISSIPATION POOL SECTION
C103 SCALE : N.T.S.



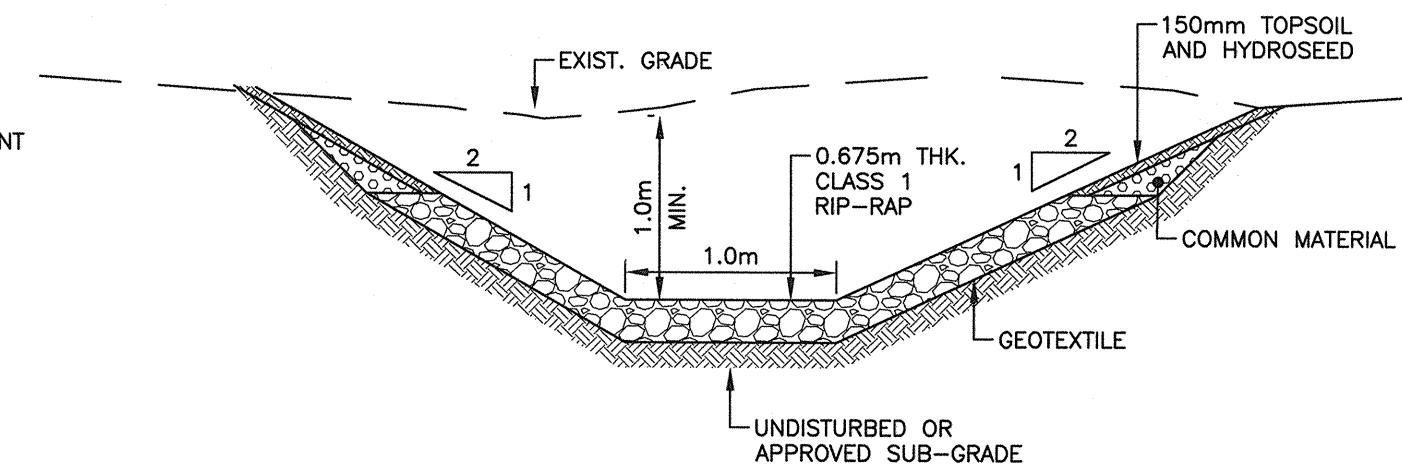
5 ENERGY DISSIPATION POOL PLAN
C103 SCALE : N.T.S.



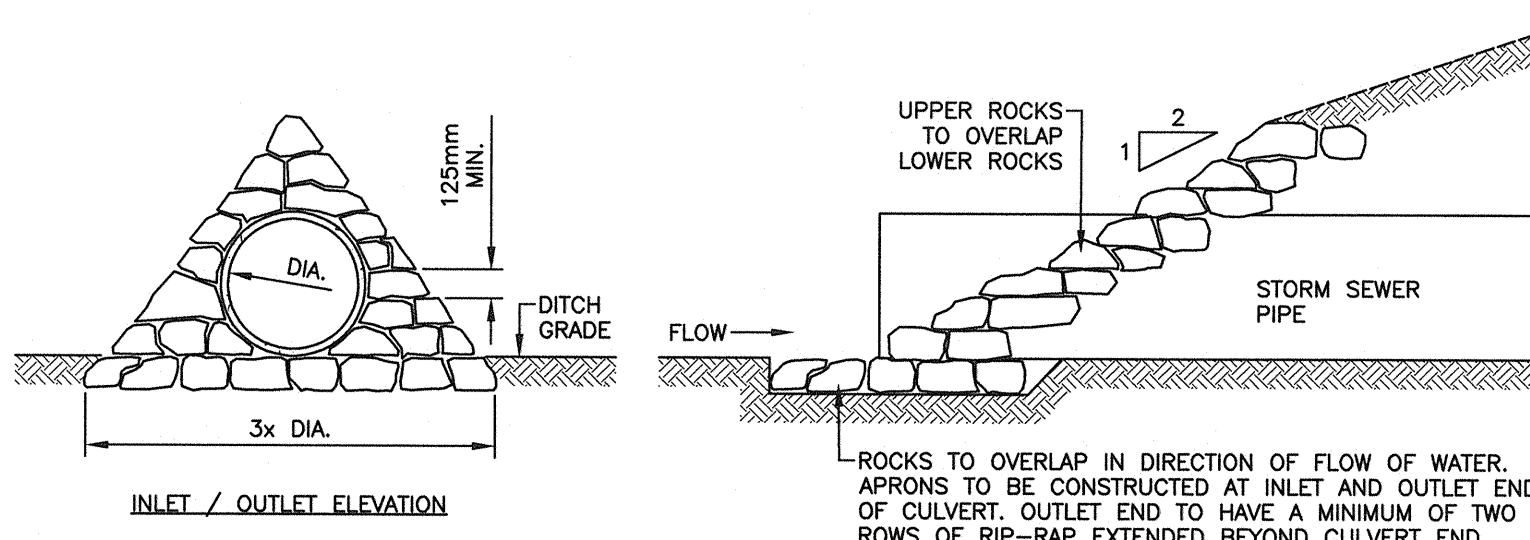
6 ENERGY DISSIPATION POOL PLAN
C103 SCALE : N.T.S.



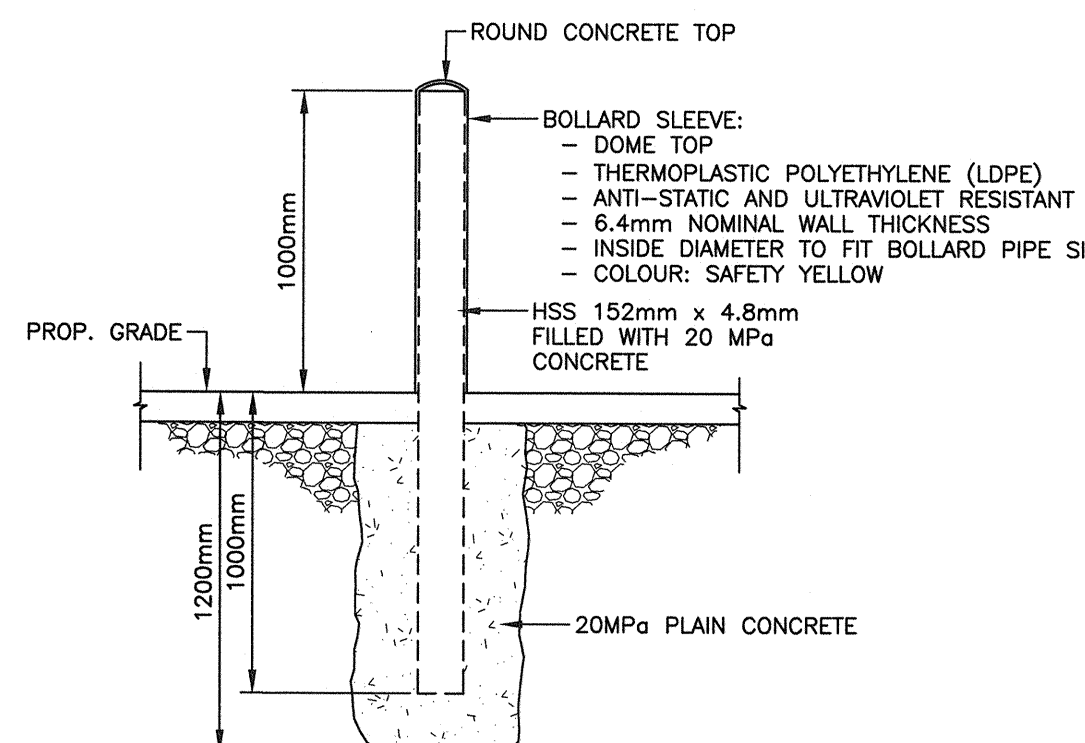
7 GRASSED SWALE
C103 C104 C105 SCALE : N.T.S.



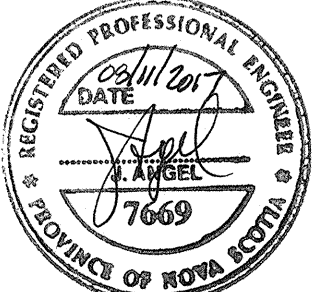
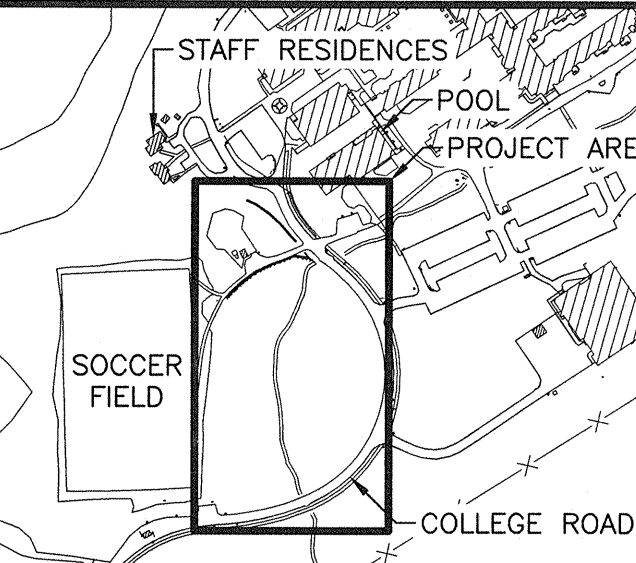
8 ROCK LINED DITCH
C103 C104 C105 SCALE : N.T.S.



9 RIP-RAP AT CULVERT END
C103 SCALE : N.T.S.



10 TYPICAL BOLLARD
C103 SCALE : N.T.S.



0	ISSUED FOR TENDER	NOV 8 2017
revisions		date

CCGC — CONTRACTOR
ACCESS AND LAYDOWN
AREA IN SUPPORT OF
THE MECHANICAL
UPGRADE PROJECT

drawing dessin

CONSTRUCTION
DETAILS

designed	J.A.	conçu
date	17.09.28	
drawn	A.M.	dessiné
date	17.09.28	
approved	J.A.	approuvé
date	17.10.10	
Tender		Soumission
PWGSC Project Manager	Administrateur de projets TPSGC	
project number		no. du projet
	R.065476.700	
drawing no.		no. du dessin
	C107	