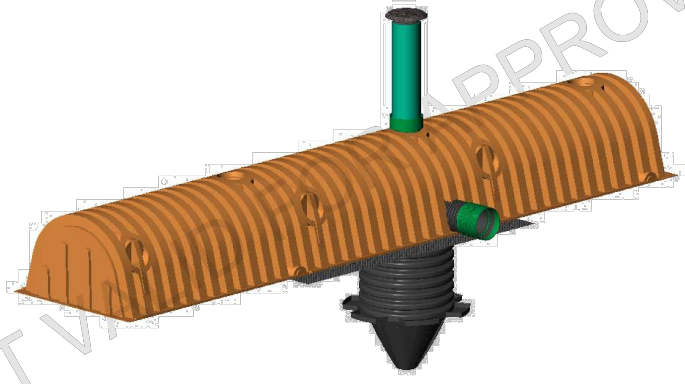


# SC05646 SOLENO STORMCHAMBER SC-34 SYSTEM 3 CHAMBERS 12m<sup>3</sup>

PROJECT: 1309 CARLING AVE. - 1A  
JOB LOCATION:  
CONTACT:  
OWNER/ENGINEERING FIRM/CONTRACTOR NAME:



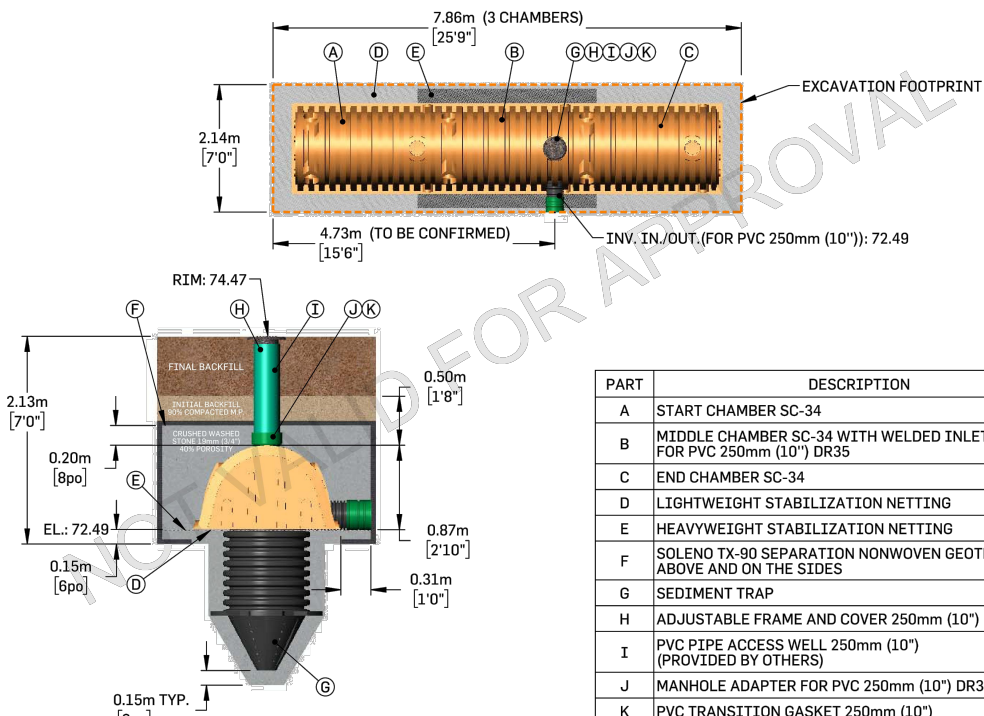
1. INSTALLATION MUST BE MADE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
2. SYSTEM IS DESIGNED TO WITHSTAND TRAFFIC LOAD CSA CL 625 AND 44-8010-10-20.
3. THE SYSTEM MUST BE MINIMALLY BACKFILLED WITH 150 mm (6") OF CRUSHED STONE AND 300 mm (12") OF GRANULAR MATERIAL COMPACTED AT 80% P.D.
4. STORMCHAMBER GEORGRID FOR FOUNDATION STABILIZATION IS CONSIDERED UNDER ALL THE CHAMBERS. HEAVY DUTY GEORGRID IS ONLY LOCATED UNDER THE CHAMBERS WITH WATER INTAKE AND THOSE WITH SEDIMENT TRAP.

THIS DRAWING IS NOT VALID FOR APPROVAL. DETAILED DRAWINGS WILL BE SUBMITTED FOR APPROVAL AFTER RECEPTION OF PURCHASE ORDER.

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# SC05646 SOLENO STORMCHAMBER SC-34 SYSTEM 3 CHAMBERS 12m<sup>3</sup>

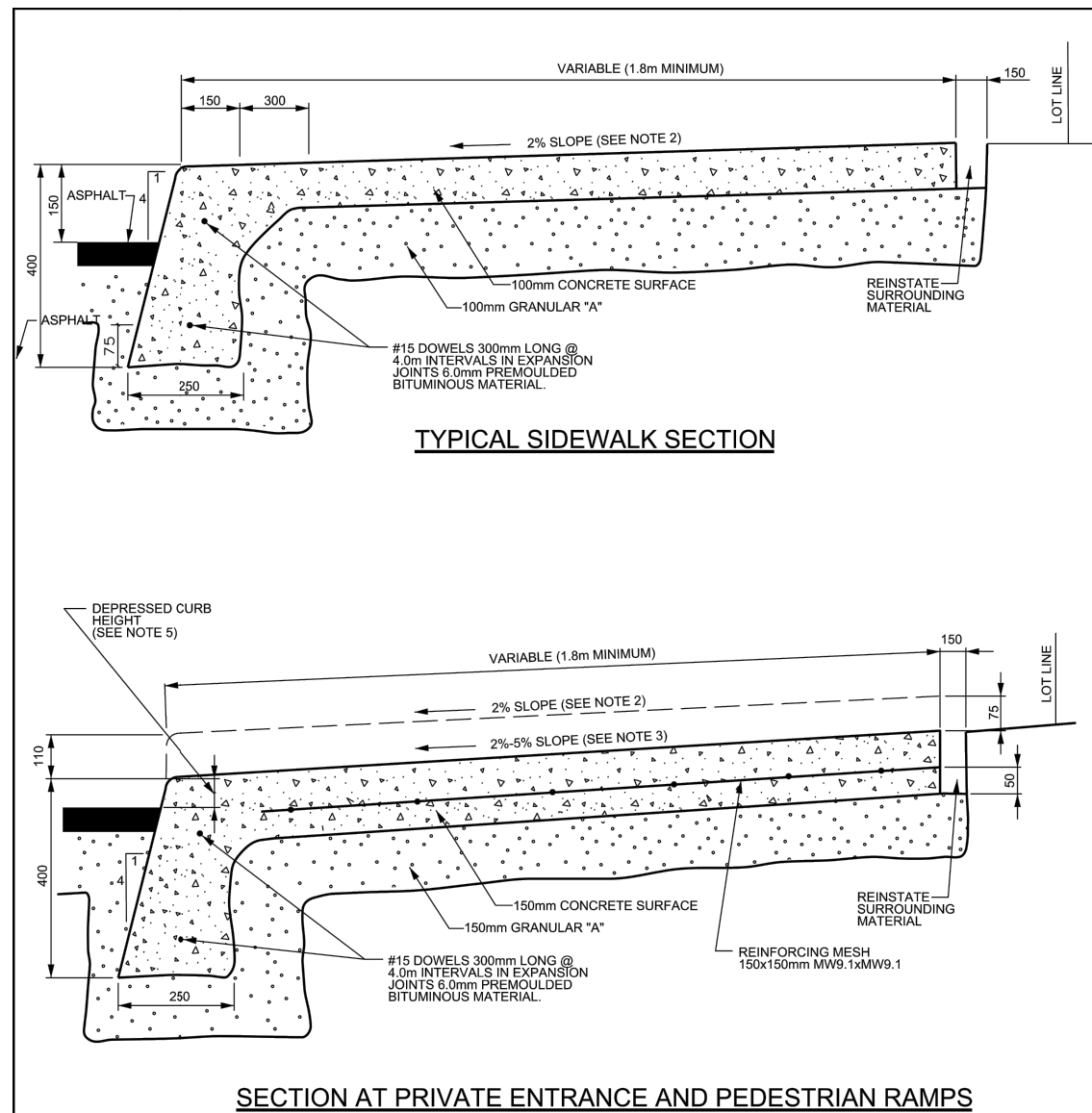


PART	DESCRIPTION	QTY
A	START CHAMBER SC-34	1
B	MIDDLE CHAMBER SC-34 WITH WELDED INLET/OUTLET FOR PVC 250mm (10") DECS	1
C	END CHAMBER SC-34	1
D	LIGHTWEIGHT STABILIZATION NETTING	1
E	HEAVYWEIGHT STABILIZATION NETTING	1
F	SOLENO TX-80 SEPARATION NONWOVEN GEOTEXTILE ABOVE AND ON THE SIDES	1
G	SEDIMENT TRAP	1
H	ADJUSTABLE FRAME AND COVER 250mm (10")	1
I	PVC PIPE ACCESS WELL 250mm (10") PROVIDED BY OTHERS	-
J	MANHOLE ADAPTER FOR PVC 250mm (10") DECS	1
K	PVC TRANSITION GASKET 250mm (10")	1

THIS DRAWING IS NOT VALID FOR APPROVAL. DETAILED DRAWINGS WILL BE SUBMITTED FOR APPROVAL AFTER RECEPTION OF PURCHASE ORDER.

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## SOLENO SC-34 STORAGE UNIT 1A N.T.S.



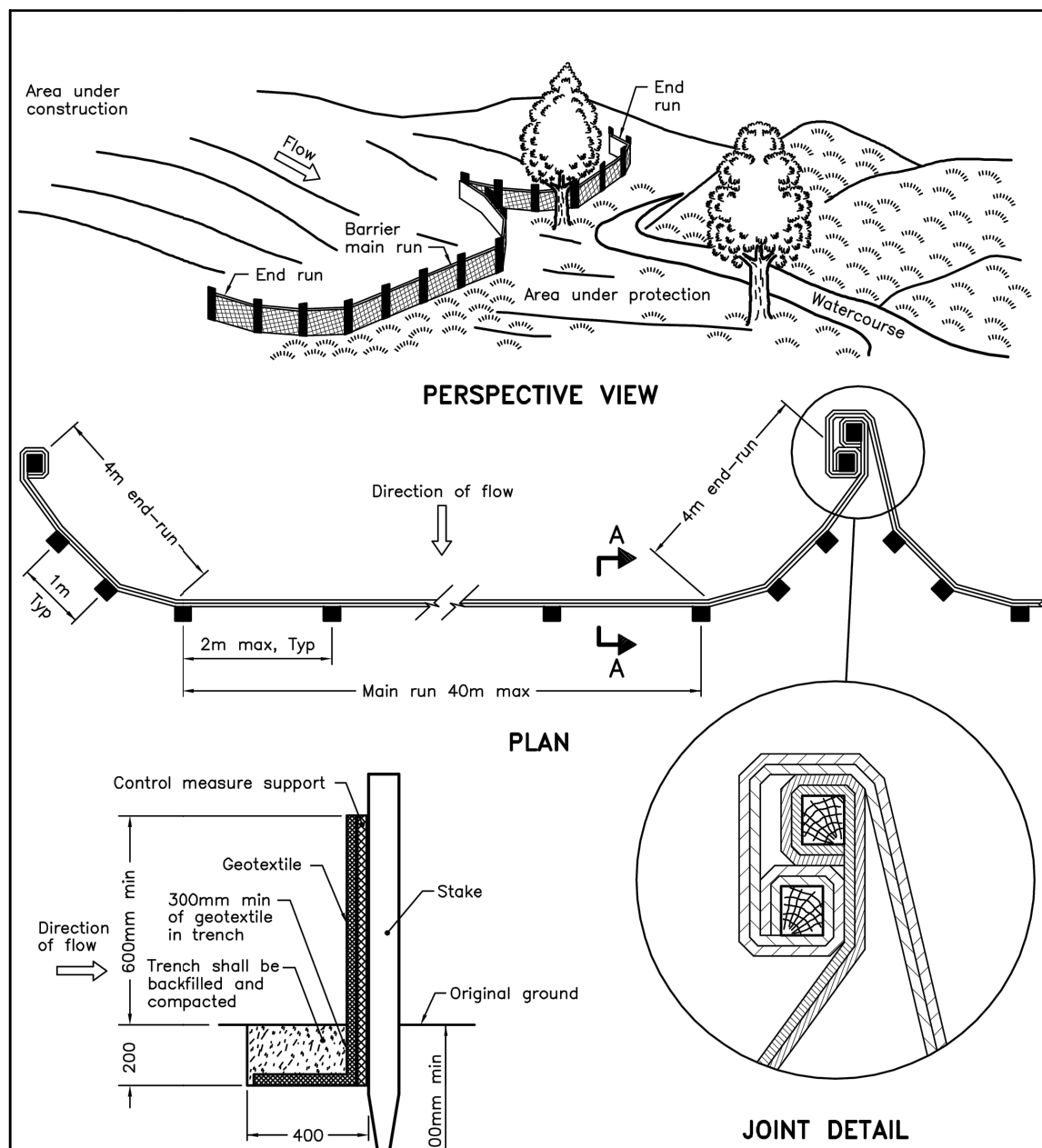
- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
  2. THE MAXIMUM SLOPE IS NOT TO EXCEED 2%.
  3. FOR CURB RAMP, SLOPE OF 2% TO 5%, MAXIMUM 8%.
  4. EXPANSION AND DUMMY JOINTS AS PER SCS.
  5. DEPRESSED CURB HEIGHT - FOR PEDESTRIAN CURB RAMP 0 TO 6 mm AND FOR PRIVATE ENTRANCES 0 TO 25mm.

N.T.S.



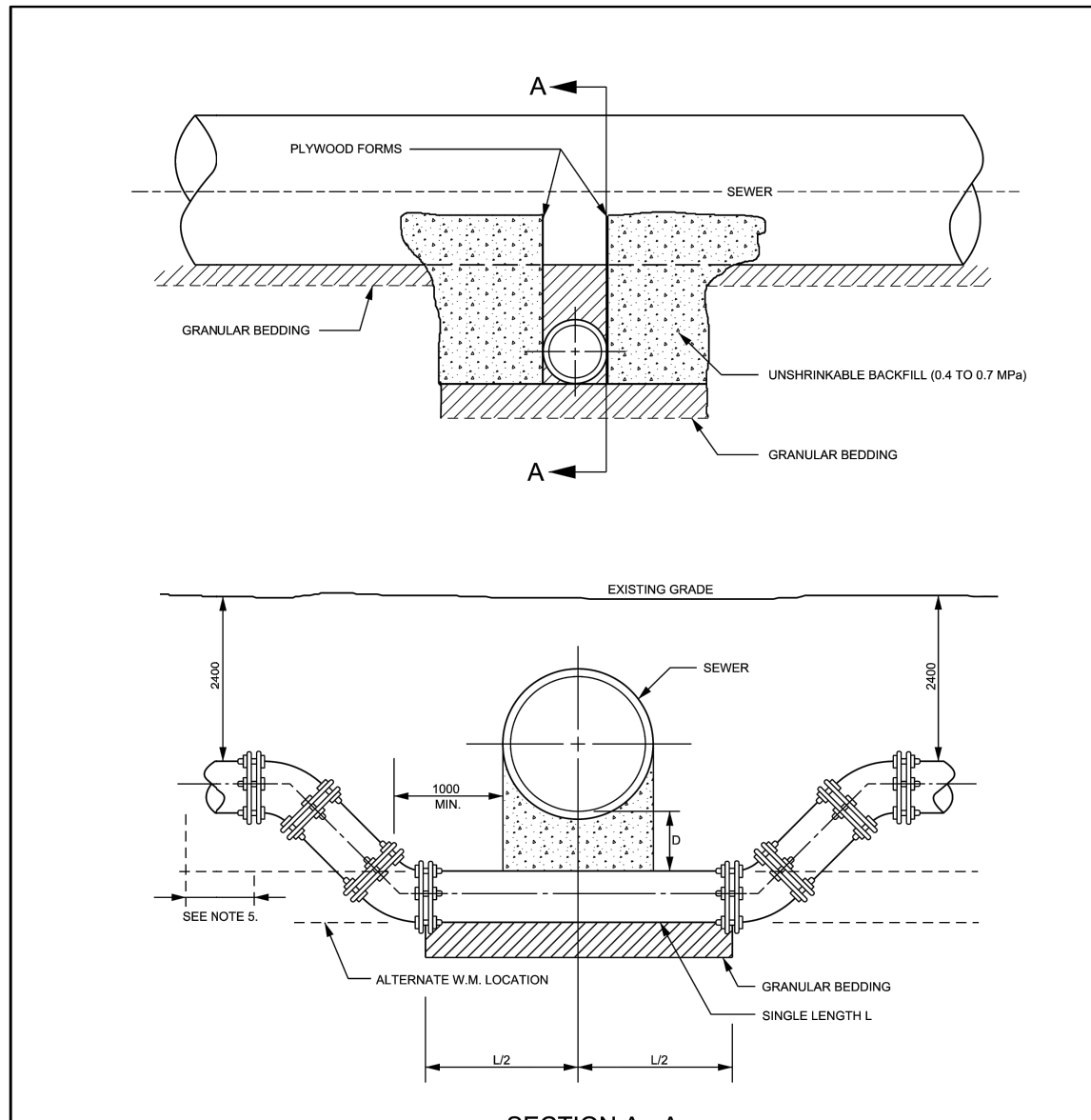
MONOLITHIC CONCRETE CURB  
AND SIDEWALK

DATE:	MAY 2001
REV. DATE:	MARCH 2016
DWG. No.:	SC2



NOTE:  
A All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2015	Rev 2
HEAVY-DUTY SILT FENCE BARRIER		
OPSD 219.130		

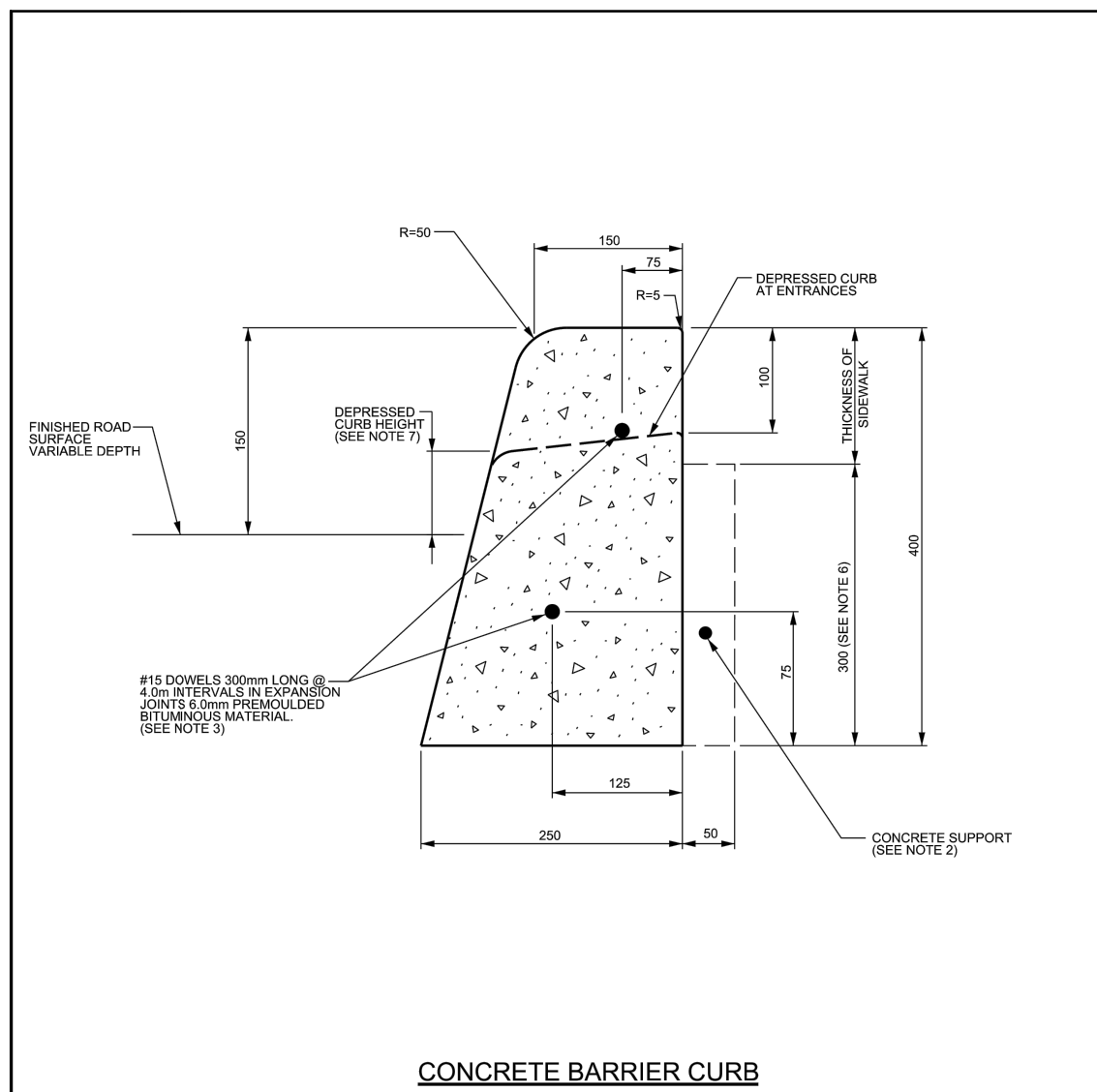


- NOTES:
1. FOR WATERMAIN 150mm (NOMINAL) TO 400mm (NOMINAL)
  1. BARREL TO INVERT SEPARATION (D) SHALL BE 500mm MINIMUM.
  2. THRUST BLOCKS FOR MAINS LARGER THAN 400mm (NOMINAL) SHALL BE PER SPECIAL DESIGN.
  3. FOR 300mm (NOMINAL) AND 400mm (NOMINAL) MAINS, RENDS SHALL BE MAX. 12" 30'.
  4. CONCRETE FOR THRUST BLOCKS SHALL BE 20 MPa.
  5. REFER TO W25 FOR REINFORCED LENGTH REQUIREMENTS.
  6. REFER TO W25.3 AND W25.4 FOR THRUST BLOCK REQUIREMENTS.
  7. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
  8. DESIGNED TO MEET THE INTENT OF THE MCE WATERMAIN DESIGN CRITERIA JUNE 2012.



WATERMAIN CROSSING  
BELOW SEWER

DATE:	MAY 2001
REV. DATE:	MARCH 2003
DWG. No.:	W25



CONCRETE BARRIER CURB

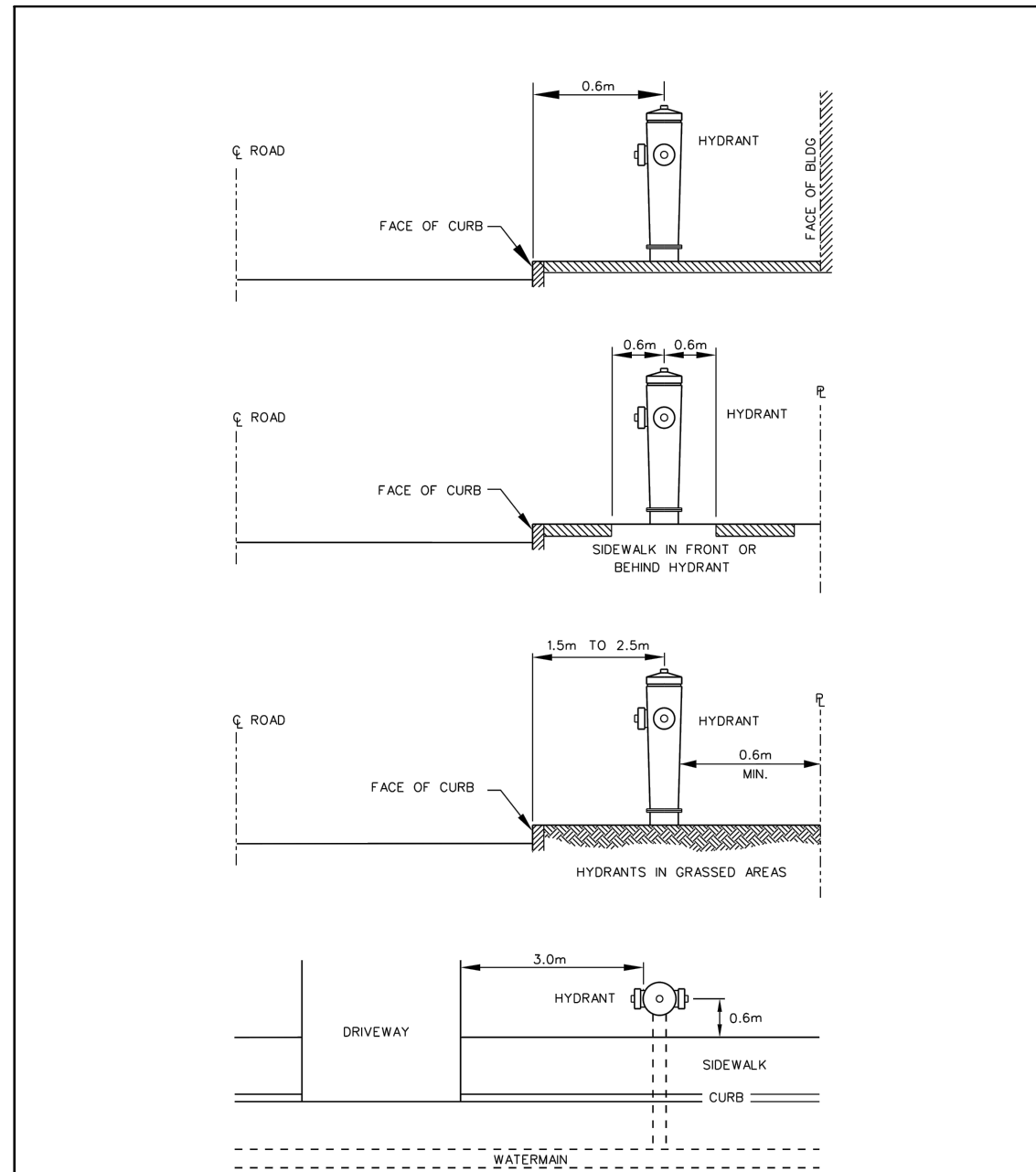
- NOTES:
1. THE FULL CURB DEPTH SHALL BE CARRIED THROUGH THE DEPRESSED ACCESS CROSSING.
  2. A CONCRETE SUPPORT IS REQUIRED WHEN BUILT ADJACENT TO THE SIDEWALK.
  3. IF AN EXTRUSION CURBING MACHINE IS USED, THE EXPANSION STITCHES MATERIAL AND THE #15 DONNELS ARE TO BE PLACED AT THE END OF THE EXTRUSION.
  4. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
  5. DUMMY JOINTS SHALL BE 25mm DEEP, FRONT, BACK AND TOP OF SECTION AT 2m SPACING.
  6. FOR DEPRESSED CURB AT ENTRANCES USE 250.
  7. DEPRESSED CURB HEIGHT - FOR PEDESTRIAN CURB RAMP 0 TO 6 mm AND FOR PRIVATE ENTRANCES 0 TO 25mm.

N.T.S.



CONCRETE BARRIER CURB  
FOR GRANULAR BASE PAVEMENT  
(MODIFIED OPSD-600.110)

DATE:	JANUARY 2003
REV. DATE:	MARCH 2014
DWG. No.:	SC1.1

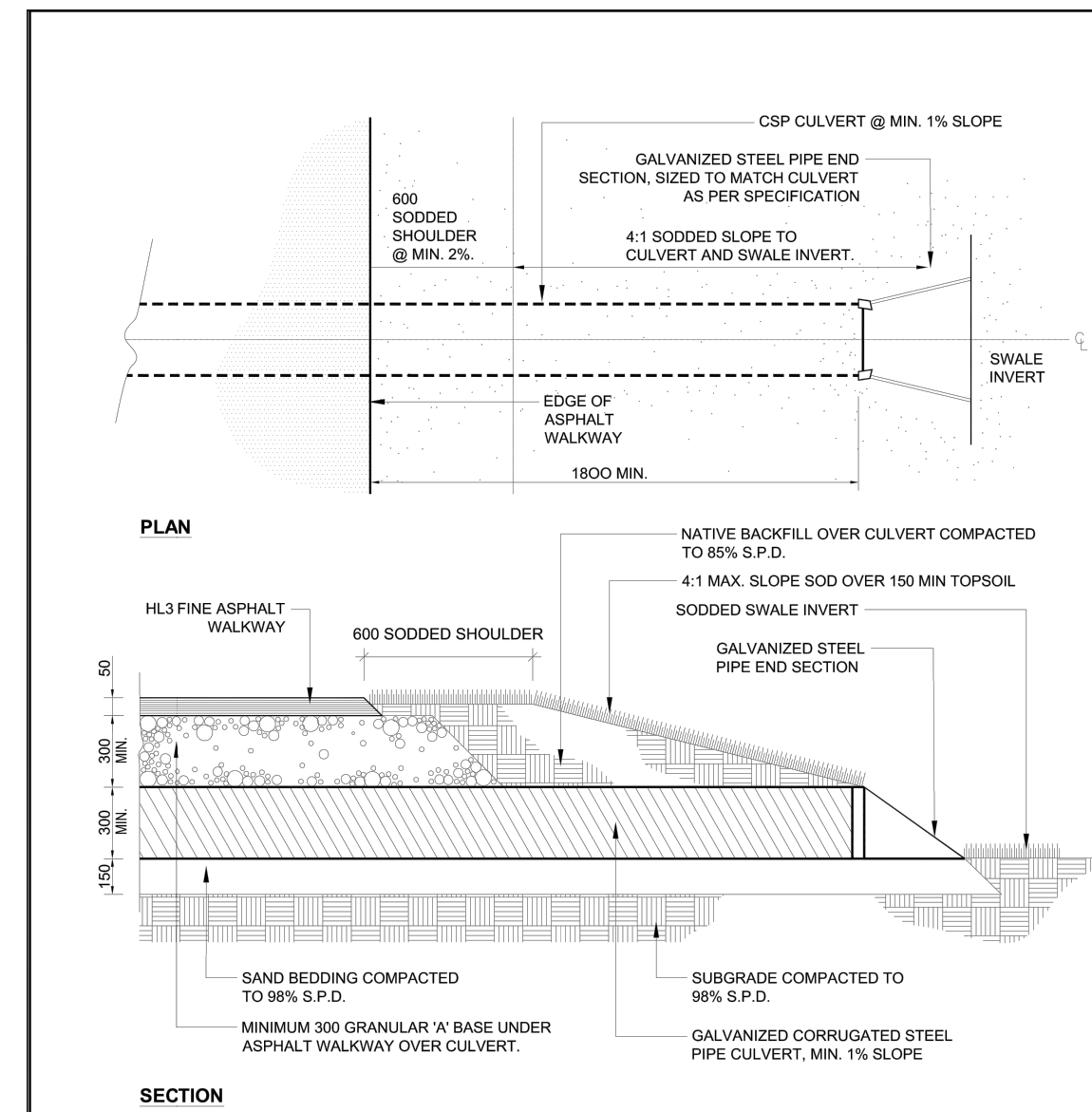


- NOTES:
1. REFER TO CONSTRUCTION SPECIFICATION F-44.14



HYDRANT LOCATION

DATE:	MAY 2001
REV. DATE:	MARCH 2013
DWG. No.:	W18

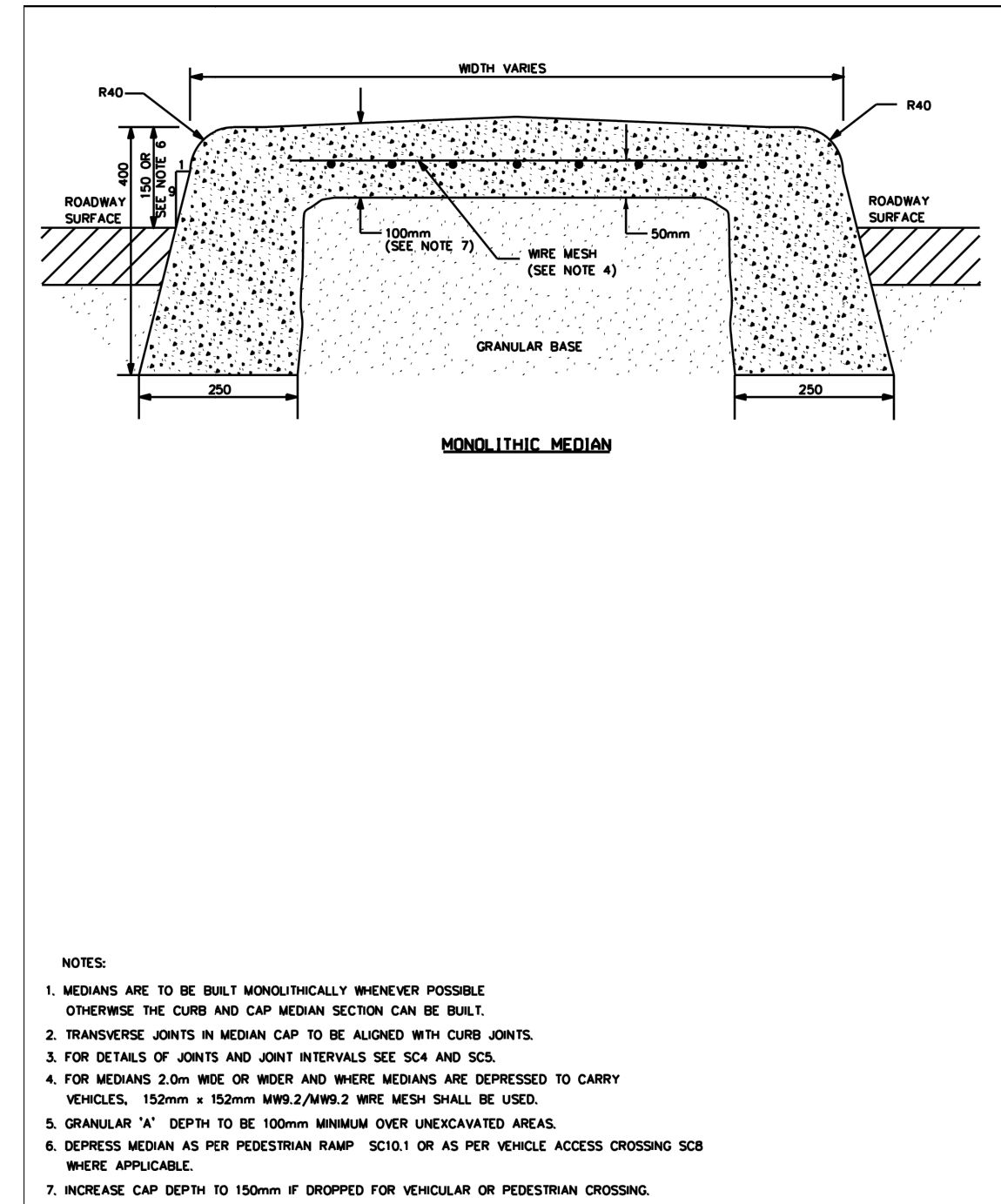


- NOTES:
1. CORRUGATED STEEL PIPE CULVERT SHALL BE GALVANIZED, 1.6mm (16ga) THICK, COMPLETE WITH PREFABRICATED GALVANIZED STEEL END SECTIONS. INSTALL WITH COLLAR RODS BURIED IN GRADE
  2. CULVERT TO BE 300 O.D. MINIMUM SIZE
  3. ALL DIMENSIONS ARE IN MILLIMETRES
  4. GRANULAR 'A' SHALL MEET THE REQUIREMENTS OF OPSD 1010



WALKWAY CULVERT PLAN AND SECTION

DATE:	FEB 2013
REV. DATE:	FEB 2014
DWG. No.:	SC30

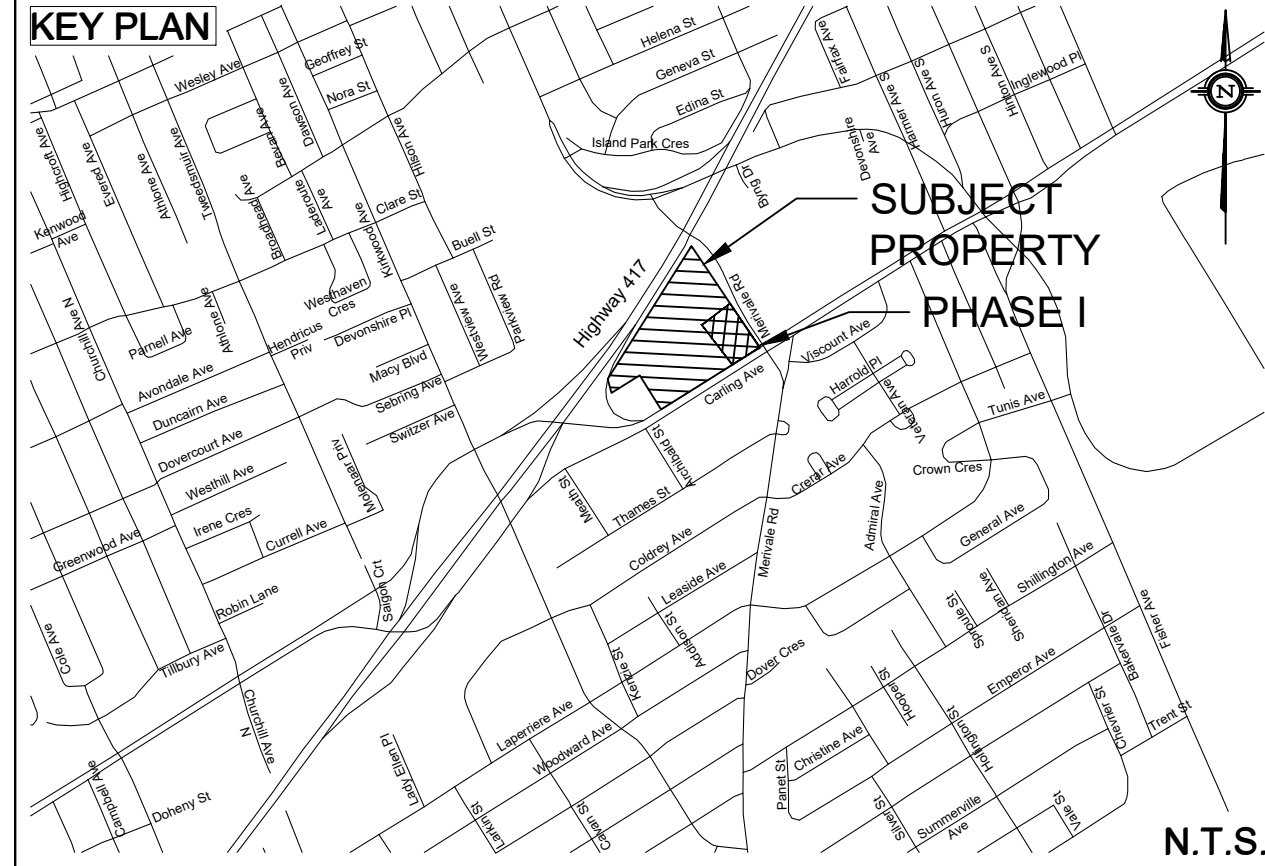


- NOTES:
1. MEDIANS ARE TO BE BUILT MONOLITHICALLY WHENEVER POSSIBLE OTHERWISE THE CURB AND CAP MEDIAN SECTION CAN BE BUILT
  2. TRANSVERSE JOINTS IN MEDIAN CAP TO BE ALIGNED WITH CURB JOINTS.
  3. FOR DETAILS OF JOINTS AND JOINT INTERVALS SEE SCS AND SCS.
  4. FOR MEDIANS 2.0m WIDE OR WIDER AND WHERE MEDIANS ARE DEPRESSED TO CARRY VEHICLES, 152mm x 152mm WWS2/WW2 WIRE MESH SHALL BE USED.
  5. GRANULAR 'A' DEPTH TO BE 100mm MINIMUM OVER UNEXCAVATED AREAS.
  6. DEPRESSED MEDIAN AS PER PEDESTRIAN RAMP SC10.1 OR AS PER VEHICLE ACCESS CROSSING SCS WHERE APPLICABLE.
  7. INCREASE CAP DEPTH TO 150mm IF DROPPED FOR VEHICULAR OR PEDESTRIAN CROSSING.



MONOLITHIC CONCRETE MEDIAN CAP

DATE:	MAY 2001
REV. DATE:	MARCH 2019
DWG. No.:	SC10



TOPOGRAPHIC INFORMATION  
TOPOGRAPHIC INFORMATION PROVIDED BY STANTEC  
PROJ. NO. 161613355-114  
DATED AUGUST 8, 2015

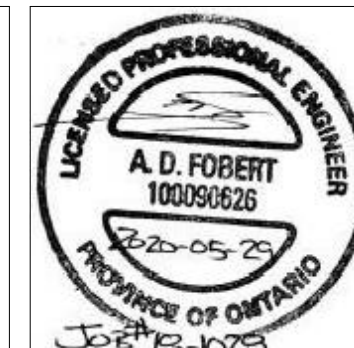
SITE PLAN INFORMATION  
SITE PLAN PROVIDED BY RLA ARCHITECTURE  
PROJ. NO. 1807  
DATED MAY 21, 2020

GEOTECHNICAL STUDY  
GEOTECHNICAL RECOMMENDATIONS PROVIDED BY GOLDER ASSOCIATES LTD.  
PROJ. NO. 18-1028  
DATED NOVEMBER 2018

SITE SERVICING AND STORMWATER MANAGEMENT STUDY  
SERVICING AND STORMWATER MANAGEMENT RECOMMENDATIONS PROVIDED BY DSEL  
PROJ. NO. 18-1028  
DATED JULY 2019  
STORMWATER MANAGEMENT MEMO DATED MAY 2020

BENCH MARK  
LOCATED MONUMENT 01919680315  
ELEV=83.635

No.	BY	YY.MM.DD	DESCRIPTION
7	C.M.K.	20.05.29	REVISED PER SITE PLAN
6	C.M.K.	20.05.11	ISSUED FOR CONTRACTOR COORDINATION
5	B.N.C.	20.03.20	ISSUED FOR CONSTRUCTION
4	A.A.S.	20.03.09	ISSUED FOR CONSTRUCTION
3	B.N.C.	19.07.19	ISSUED FOR MUNICIPAL REVIEW
2	B.N.C.	19.04.03	ISSUED FOR MUNICIPAL REVIEW
1	C.M.K.	18.11.06	ISSUED FOR MUNICIPAL REVIEW

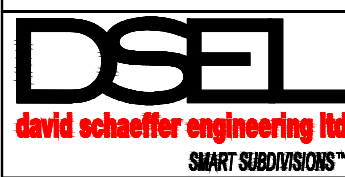


PROJECT No18-1028

DETAIL SHEET  
1309 CARLING AVENUE - PHASE I © DSEL

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120 Iber Road Unit 103  
Stittsville, Ontario, K2S 1E9  
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Fax. (613) 836-7183  
www.DSEL.ca

DRAWN BY:	C.M.K.	CHECKED BY:	R.D.F.	DRAWING NO.	SHEET NO.
DESIGNED BY:	A.J.G.	CHECKED BY:	A.D.F.	DS-2	6 of 6
SCALE:	NTS	DATE:	NOVEMBER 2018		

D07-12-18-0170