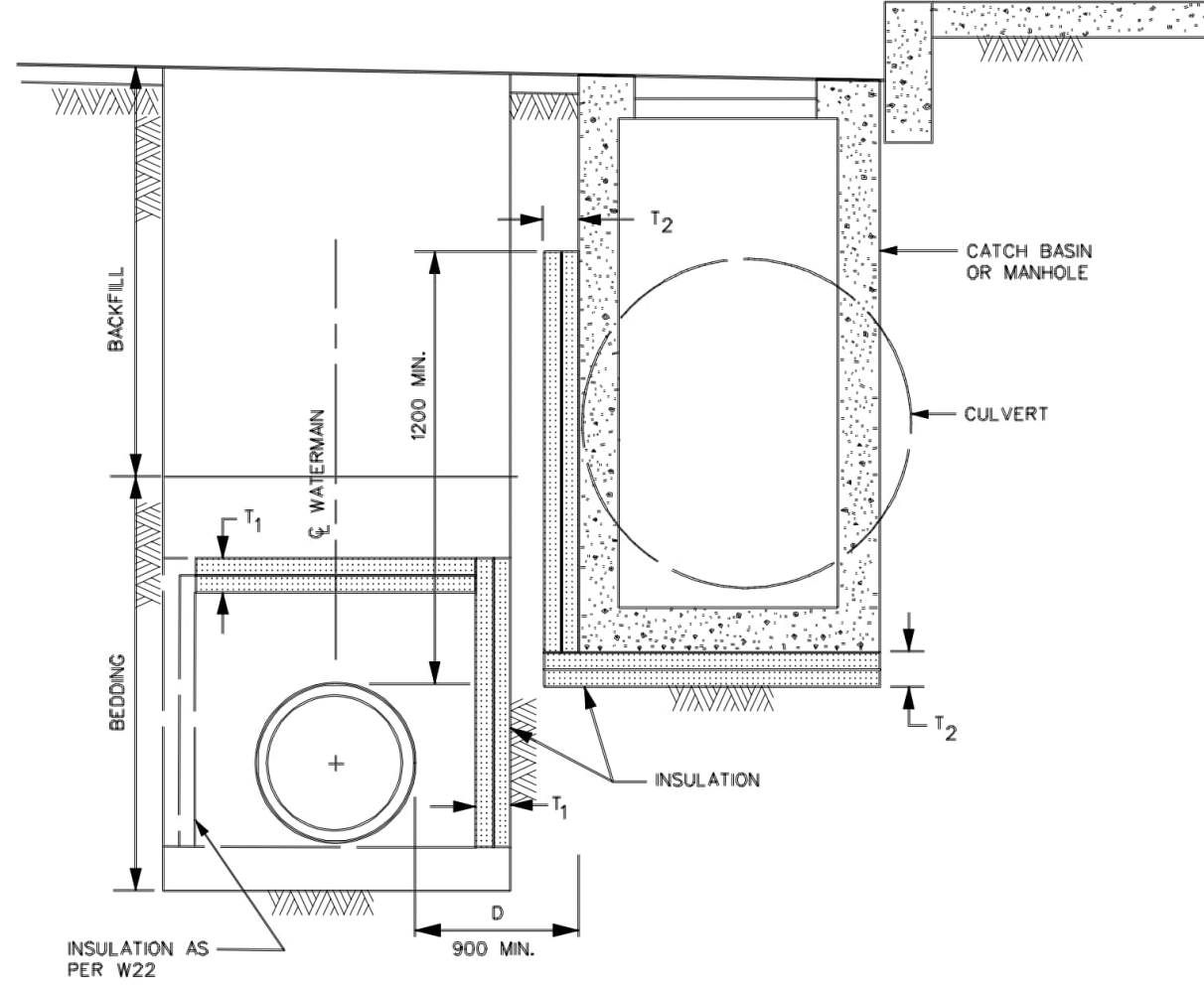


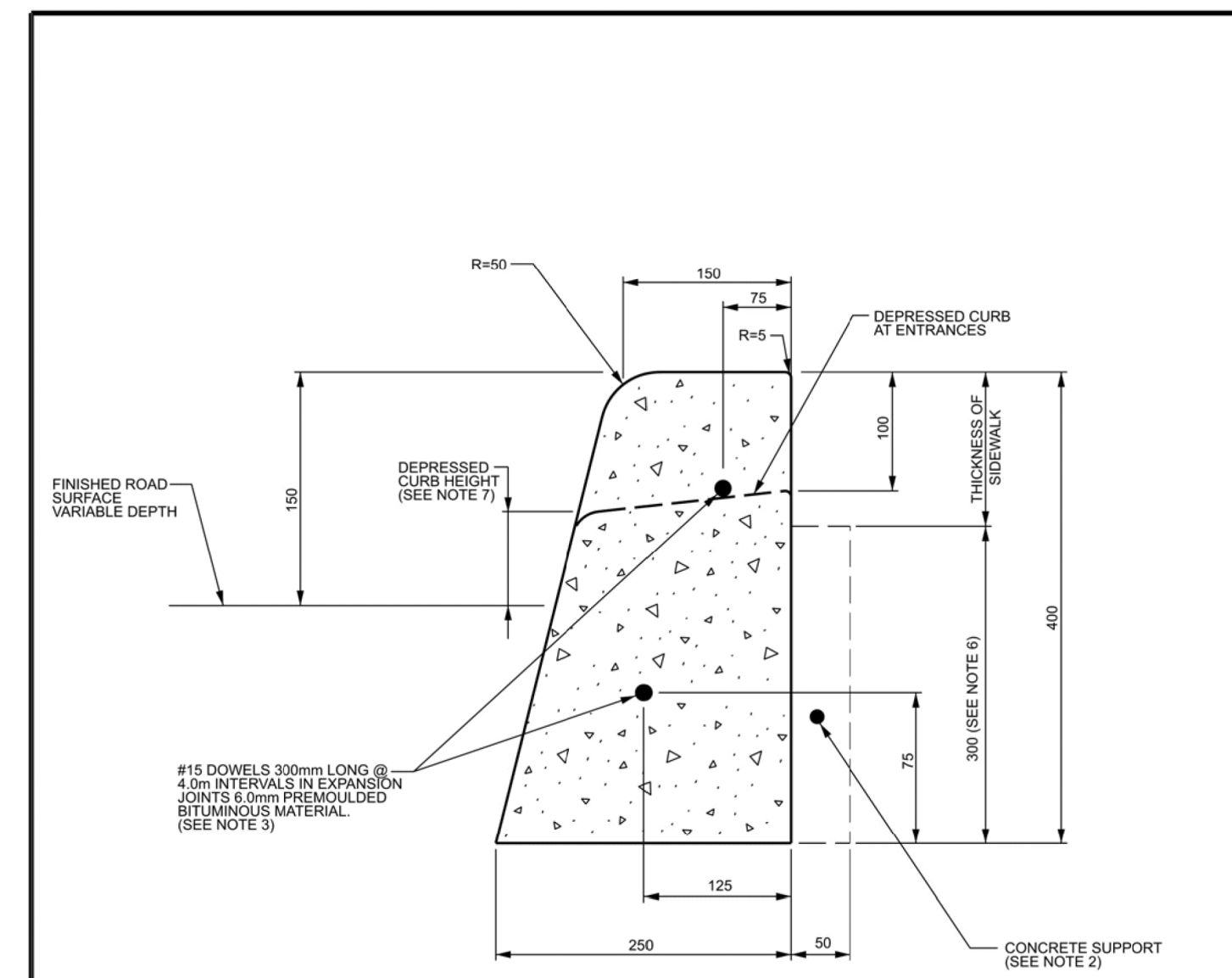
INSULATION REFERENCE TABLE	
D DISTANCE FROM C.B. OR M.H. WALL	T REQUIRED INSULATION THICKNESS T-T ₁ +T ₂
2400 - 1800 mm.	50 mm
1800 - 1500 mm.	75 mm
1500 - 1200 mm.	100 mm
1200 - 900 mm.	125 mm



- NOTES
- FOR WATERMANS & SERVICES IN PROXIMITY TO CATCHBASINS MAINTENANCE HOLES, CULVERTS ETC.
- INSULATION SHALL EXTEND 1000 mm EACH WAY FROM THE ENDS OF THE STRUCTURE, PARALLELED TO THE WATERMAN.
 - STAGGER JOINTS OF MULTIPLE SHEETS.
 - ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
 - INSULATION CAN BE AT EITHER LOCATION OR BOTH.

DATE: MAY 2001
REV. DATE: FEB 2004
DWG. No.: W2.3

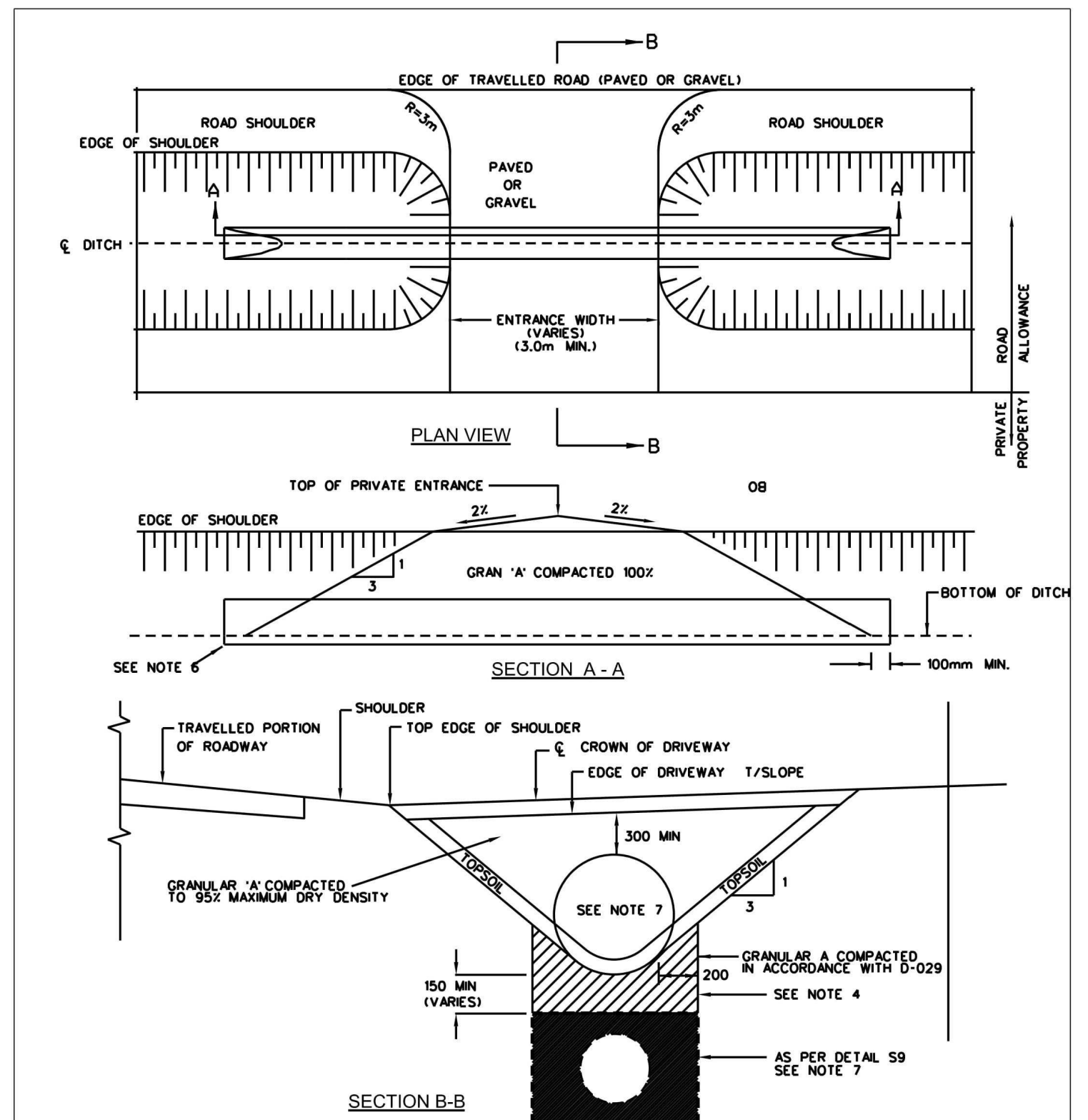
Ottawa THERMAL INSULATION OF WATER-MAINS AT OPEN STRUCTURES



- CONCRETE BARRIER CURB
- NOTES
- THE FULL CURB DEPTH SHALL BE CARRIED THROUGH THE DEPRESSED ACCESS CROSSING.
 - A CONCRETE SUPPORT IS REQUIRED WHEN BUILT ADJACENT TO THE SIDEWALK.
 - IF AN EXTRUSION CURBING MACHINE IS USED, THE EXPANSION BITUMINOUS MATERIAL AND THE #15 DOWELS ARE TO BE PLACED AT THE END OF THE EXTRUSION.
 - ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
 - DUMMY JOINTS SHALL BE 25mm DEEP, FRONT, BACK AND TOP OF SECTION AT 4m SPACING OR MATCH JOINTING WHERE SIDEWALK IS ADJACENT.
 - FOR DEPRESSED CURB AT ENTRANCES USE 250.
 - DEPRESSED CURB HEIGHT - FOR PEDESTRIAN CURB RAMP 0 TO 6 mm AND FOR PRIVATE ENTRANCES 0 TO 13mm.

DATE: JANUARY 2003
REV. DATE: MARCH 2021
DWG. No.: SC1.1

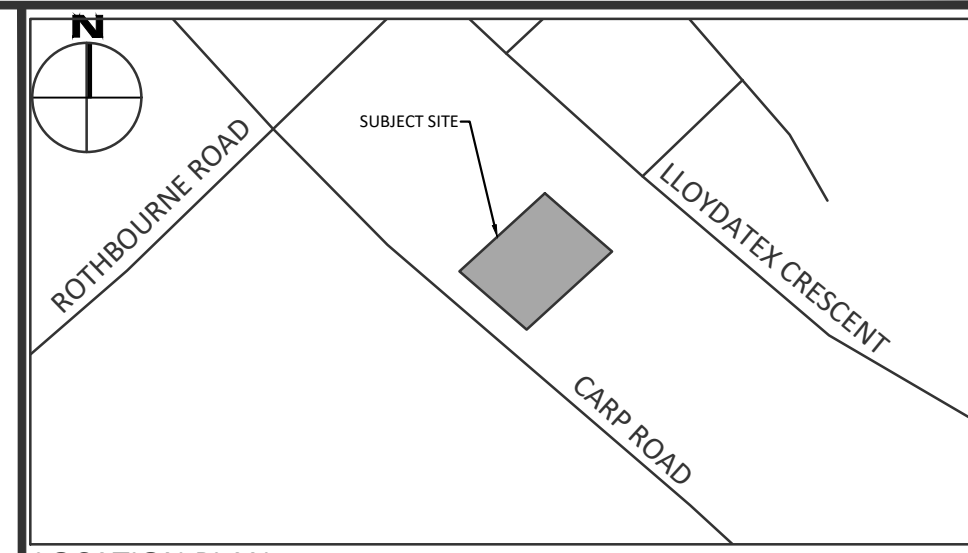
Ottawa CONCRETE BARRIER CURB FOR GRANULAR BASE PAVEMENT (MODIFIED OPSD-600.110)



- PRIVATE ENTRANCE DETAIL - RURAL
- NOTES
- APPROVED NEW CULVERT MATERIAL ONLY, MIN. 500mm UNLESS SPECIFIED OTHERWISE, DITCH AND CULVERT TO BE SIZED ACCORDING TO SEWER DESIGN GUIDELINE MANUAL.
 - LENGTH OF CULVERTS IS DEPENDENT UPON THE DEPTH OF DITCH AND WIDTH OF ENTRANCE.
 - ENTRANCE CULVERTS GREATER THAN 900mm DIA OR MULTIPLE CULVERTS MUST BE APPROVED PRIOR TO INSTALLATION. CULVERTS OVER 12m LONG AND HEADWALLS REQUIRE APPROVAL AND PERMIT BY THE CITY.
 - IN FROST SUSCEPTIBLE SOILS SPECIAL BEDDING CONDITIONS WILL BE REQUIRED.
 - REMOVE ALL ORGANICS FROM SIDE SLOPES AND DITCH BOTTOM PRIOR TO PLACING CULVERT AND GRANULARS.
 - CULVERT TO BE COUNTERSUNK 10% OF ITS DIAMETER BELOW FINISHED DITCH INVERT.
 - WHERE SPECIFIED, APPROVED DITCHED PIPE TO BE AT A MINIMUM GRADE OF 0.5% AND BE NON-PERFORATED TYPE UNDER CULVERTS.
 - SEE MS 22.15 FOR APPROVED PRODUCTS UNLESS OTHERWISE STATED IN THE CONTRACT, CONSTRUCTION AS PER OPS 421.
 - ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.

DATE: MAY 2001
REV. DATE: MARCH 2016
DWG. No.: S26

Ottawa PRIVATE ENTRANCE DETAIL - RURAL



LOCATION PLAN

FOR REVIEW ONLY
NOT FOR CONSTRUCTION

No.	Revisions	Date
02	ISSUED FOR MUNICIPAL REVIEW	MAR. 24, 2023
01	ISSUED FOR MUNICIPAL REVIEW	NOV. 29, 2022

Check and verify all dimensions before proceeding with the work. Do not scale drawings

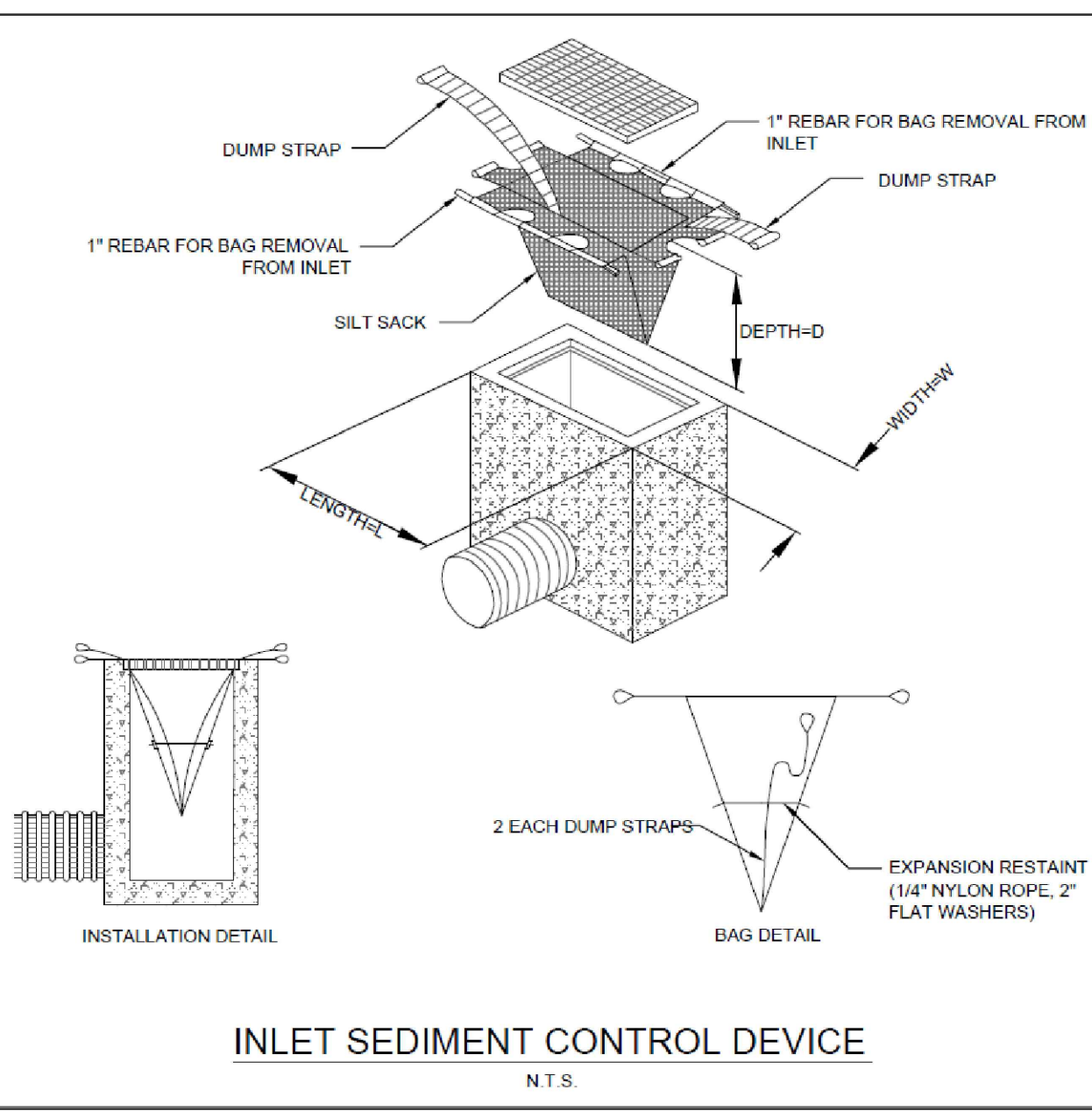
McINTOSH PERRY
115 Walgreen Road, RR3, Carp, ON K0A 1L0
Tel: 613-836-2184 Fax: 613-836-3742
www.mcintoshperry.com



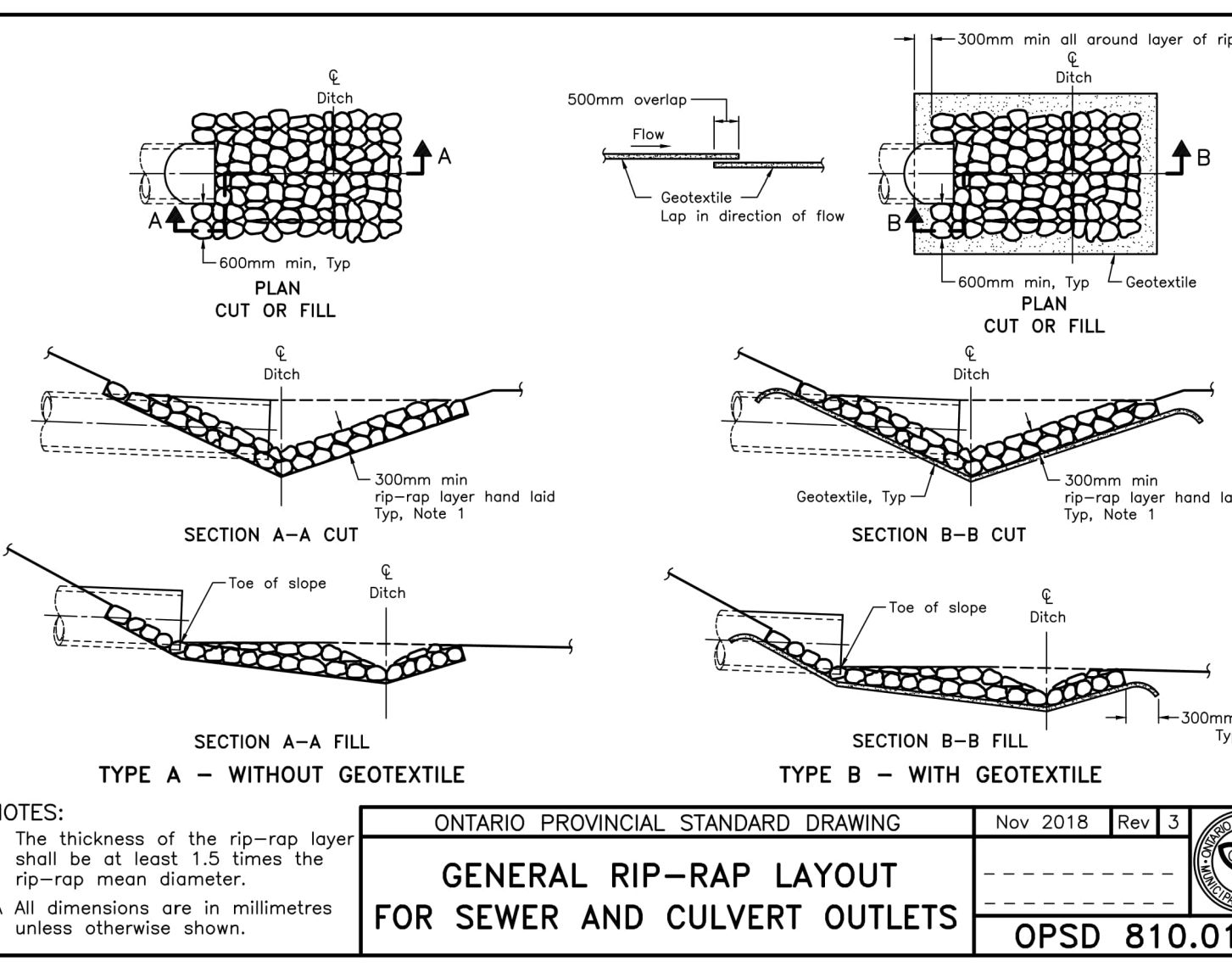
Client: **JIM BELL ARCHITECTURE DESIGN INC.**
26 BERT G ARGUE DRIVE
STITTSVILLE, ON K2S 1X9

Project: **PHASE 1 - Office Building**
1037 CARP ROAD, OTTAWA, ON

Drawing Title:	
Scale:	N.T.S.
Drawn By:	FV
Checked By:	R.D.F.
Designed By:	B.G.S.
Project Number:	CP-19-0125
Drawing Number:	C100

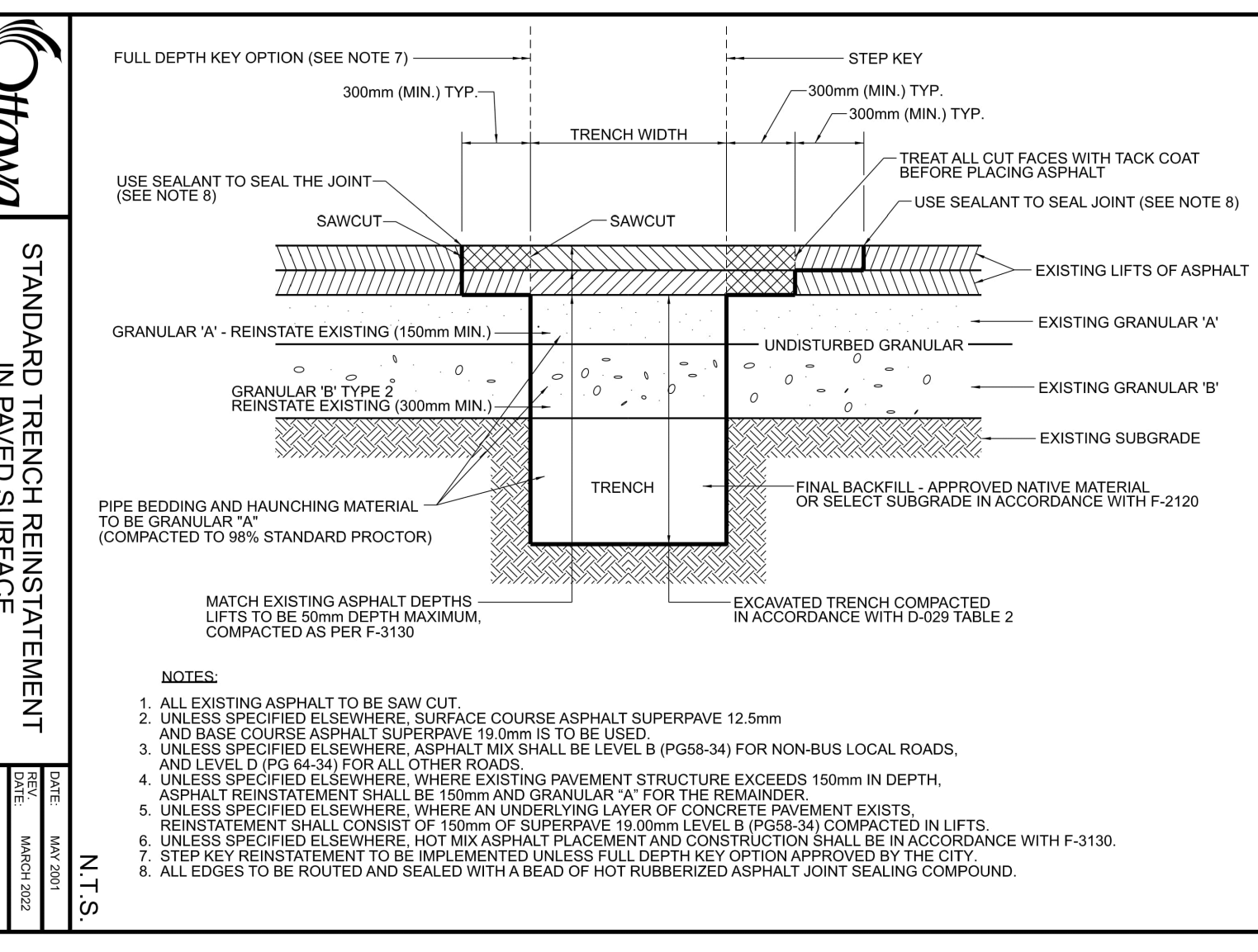


INLET SEDIMENT CONTROL DEVICE



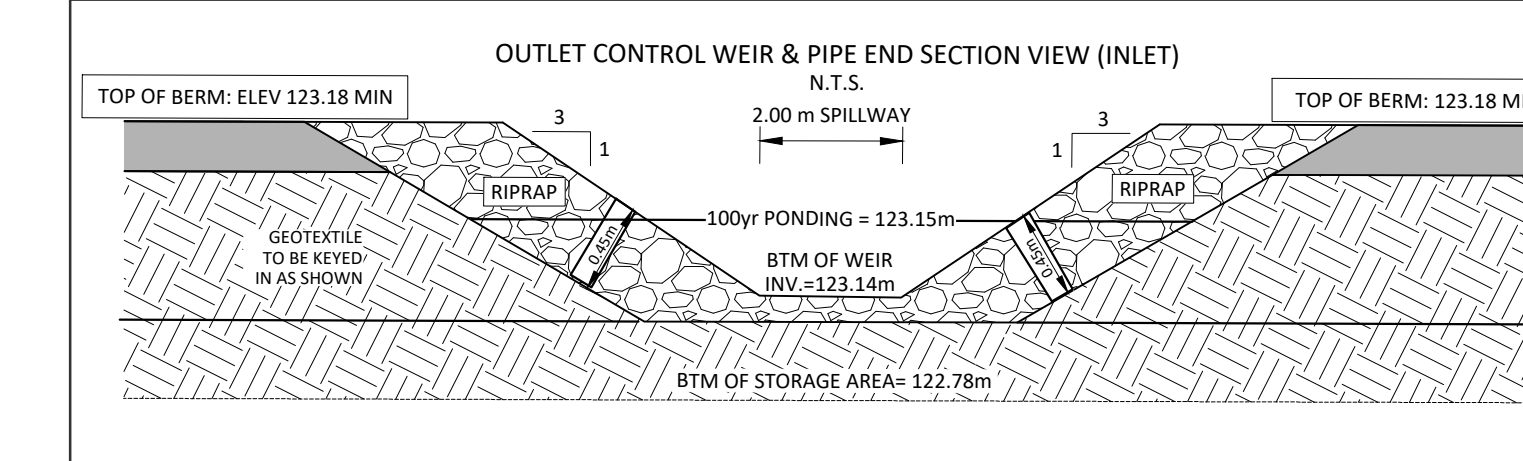
GENERAL RIP-RAP LAYOUT FOR SEWER AND CULVERT OUTLETS

ONTARIO PROVINCIAL STANDARD DRAWING
Nov 2018 | Rev 3
OPSD 810.010



STANDARD TRENCH REINSTATEMENT IN PAVED SURFACE

DATE: MARCH 2002
REV. DATE: MARCH 2022
DWG. No.: R10



CROSS SECTIONS

