

Copyright Reserved

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay.
The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

Legend

- PROPOSED CATCHBASIN PROTECTION
- PROPOSED SILT FENCE BOUNDARY AS PER OPSD 219.110
- PROPOSED MUD MAT LOCATION

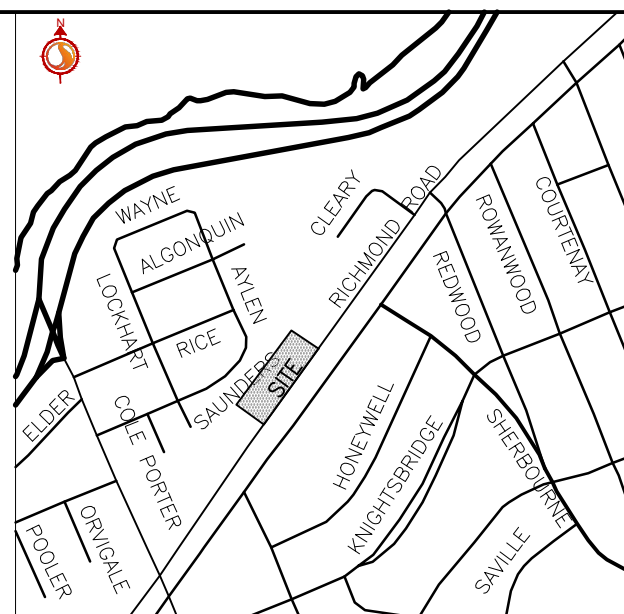
Notes

Best Management Practices

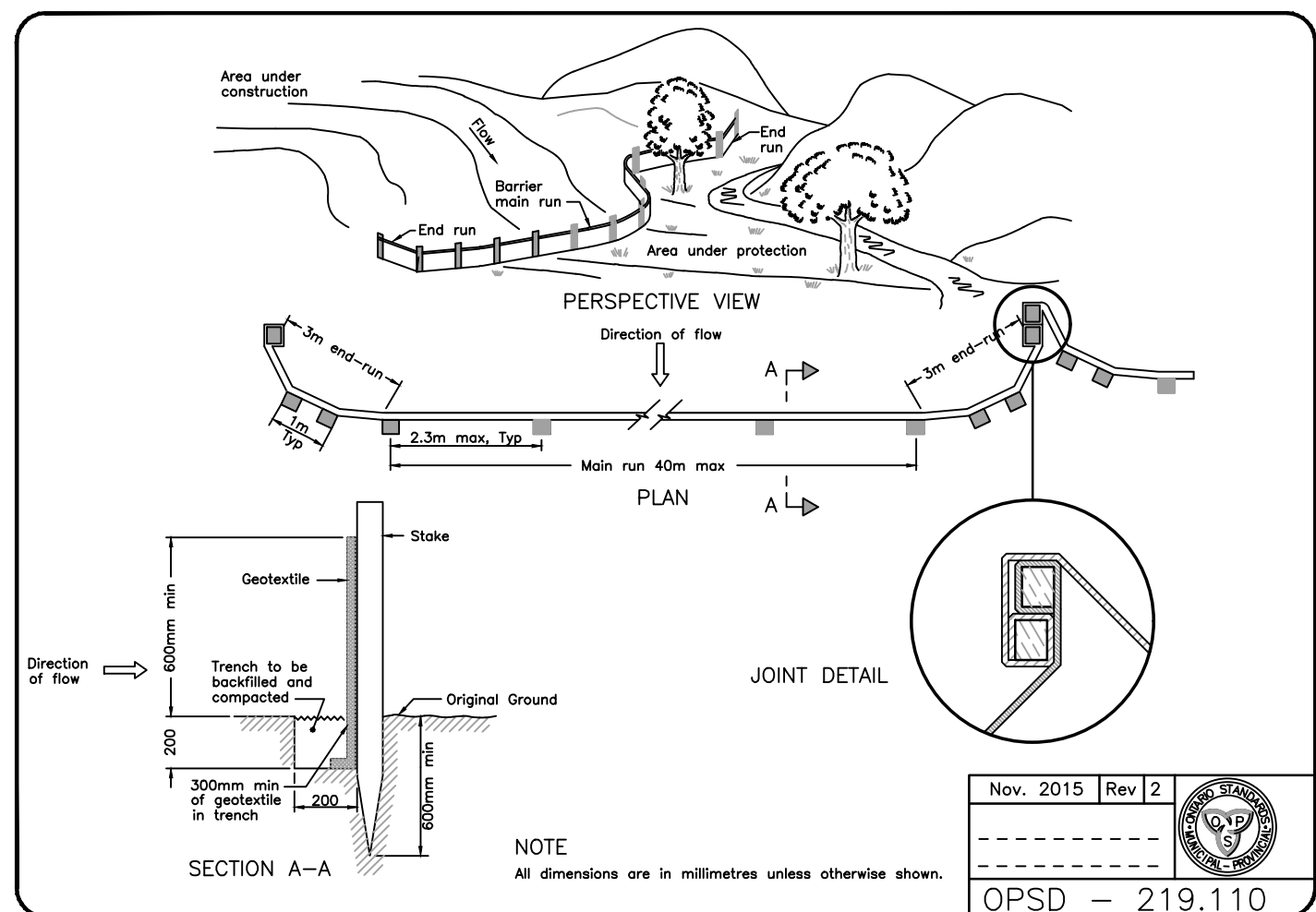
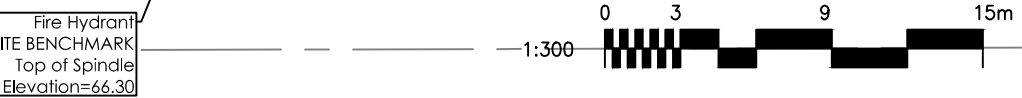
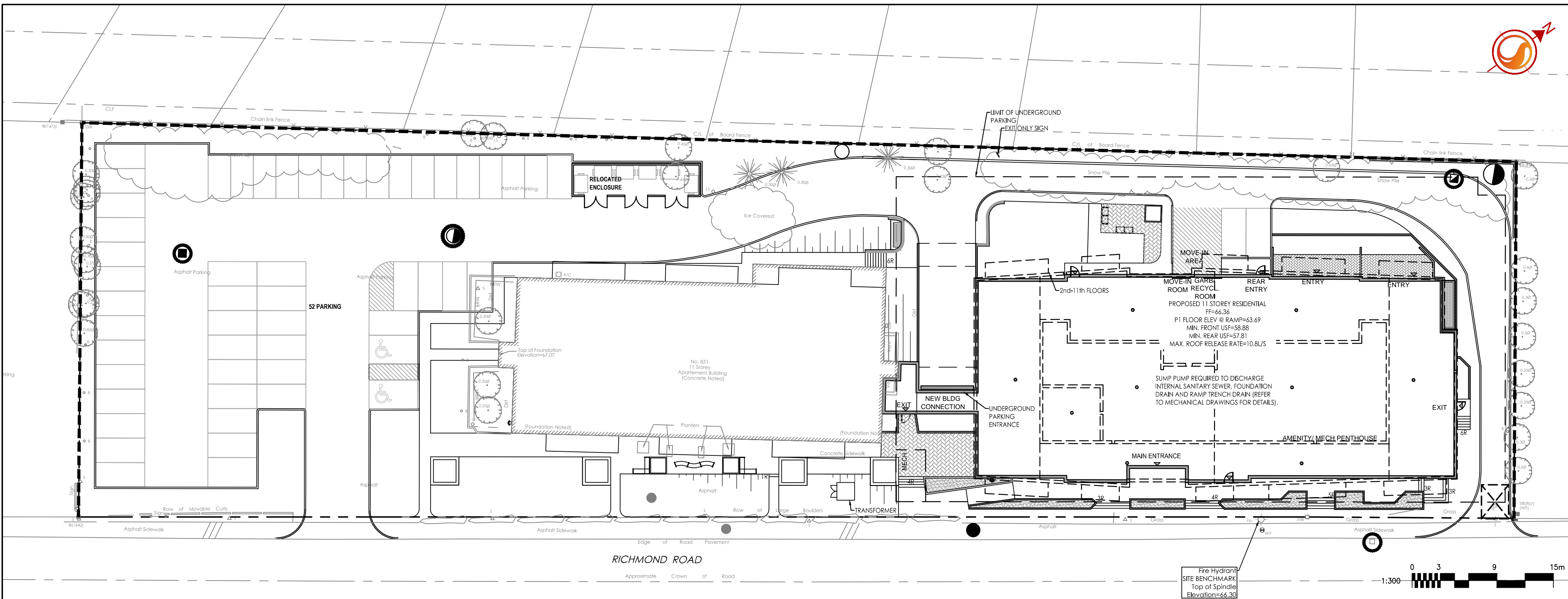
CONTRACTOR TO PROVIDE EROSION AND SEDIMENT CONTROLS (BEST MANAGEMENT PRACTICES) DURING CONSTRUCTION OF THIS PROJECT.

EROSION MUST BE MINIMIZED AND SEDIMENTS MUST BE REMOVED FROM CONSTRUCTION SITE RUN-OFF IN ORDER TO PROTECT DOWNSTREAM AREAS. DURING ALL CONSTRUCTION, EROSION AND SEDIMENTATION SHOULD BE CONTROLLED BY THE FOLLOWING TECHNIQUES:

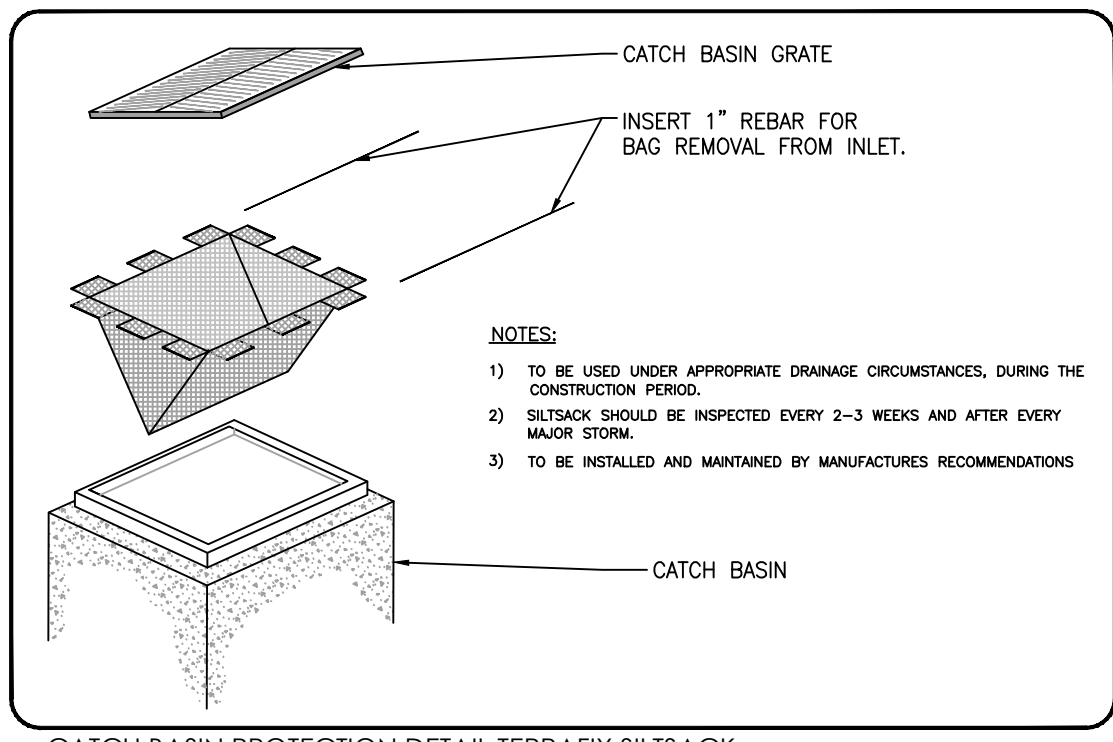
- LIMIT THE EXTENT OF EXPOSED SOILS AT ANY GIVEN TIME.
- REVEGETATE EXPOSED AREAS AND SLOPES AS SOON AS POSSIBLE.
- PROTECT EXPOSED SLOPES WITH PLASTIC OR SYNTHETIC MULCHES.
- INSTALL CATCH BASIN INSERTS OR EQUIVALENT IN ALL PROPOSED CATCH BASINS AND CATCH BASIN MANHOLES AND IN ALL EXISTING CATCH BASINS THAT WILL RECEIVE RUN-OFF FROM THE SITE.
- A SILT FENCE SHALL BE INSTALLED AROUND THE PERIMETER OF ALL AND ANY STOCKPILES OF MATERIAL TO BE USED OR REMOVED FROM SITE. (LOCATION TO BE DETERMINED)
- A VISUAL INSPECTION SHALL BE DONE DAILY ON SEDIMENT CONTROL MEASURES AND CLEANED OF ANY ACCUMULATED SILT AS REQUIRED. THE DEPOSITS WILL BE DISPOSED OFF SITE AS PER THE REQUIREMENTS OF THE CONTRACT.
- SEDIMENT CONTROL BARRIERS MAY ONLY BE REMOVED TEMPORARILY WITH APPROVAL OF CONTRACT ADMINISTRATOR TO ACCOMMODATE CONSTRUCTION OPERATIONS. ALL AFFECTED BARRIERS MUST BE REINSTATED AT NIGHT WHEN CONSTRUCTION IS COMPLETED. NO REMOVAL WILL OCCUR IF THERE IS A SIGNIFICANT RAINFALL EVENT ANTICIPATED (>10mm) UNLESS A NEW DEVICE HAS BEEN INSTALLED TO PROTECT EXISTING STORM AND SANITARY SEWER SYSTEMS, OR DOWNSTREAM WATERCOURSES.
- NO REFUELING OR CLEANING OF EQUIPMENT IS PERMITTED NEAR ANY EXISTING WATERWAY.
- CONTRACTOR SHALL REMOVE SEDIMENT CONTROL MEASURES WHEN, IN THE OPINION OF THE CONTRACT ADMINISTRATOR, THE MEASURE(S) IS NO LONGER REQUIRED. NO CONTROL MEASURES SHALL BE PERMANENTLY REMOVED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE CONTRACT ADMINISTRATOR.
- THE CONTRACTOR SHALL PERIODICALLY, OR WHEN REQUESTED BY THE CONTRACT ADMINISTRATOR, CLEAN OUT ACCUMULATED SEDIMENTS AS REQUIRED.
- THE CONTRACTOR SHALL IMMEDIATELY REPORT TO THE ENGINEER ANY ACCIDENTAL DISCHARGES OF SEDIMENT MATERIAL INTO THE WATERCOURSE. APPROPRIATE RESPONSE MEASURES, INCLUDING ANY REPAIRS TO EXISTING CONTROL MEASURES OR THE IMPLEMENTATION OF ADDITIONAL CONTROL MEASURES, SHALL BE CARRIED OUT BY THE CONTRACTOR WITHOUT DELAY.



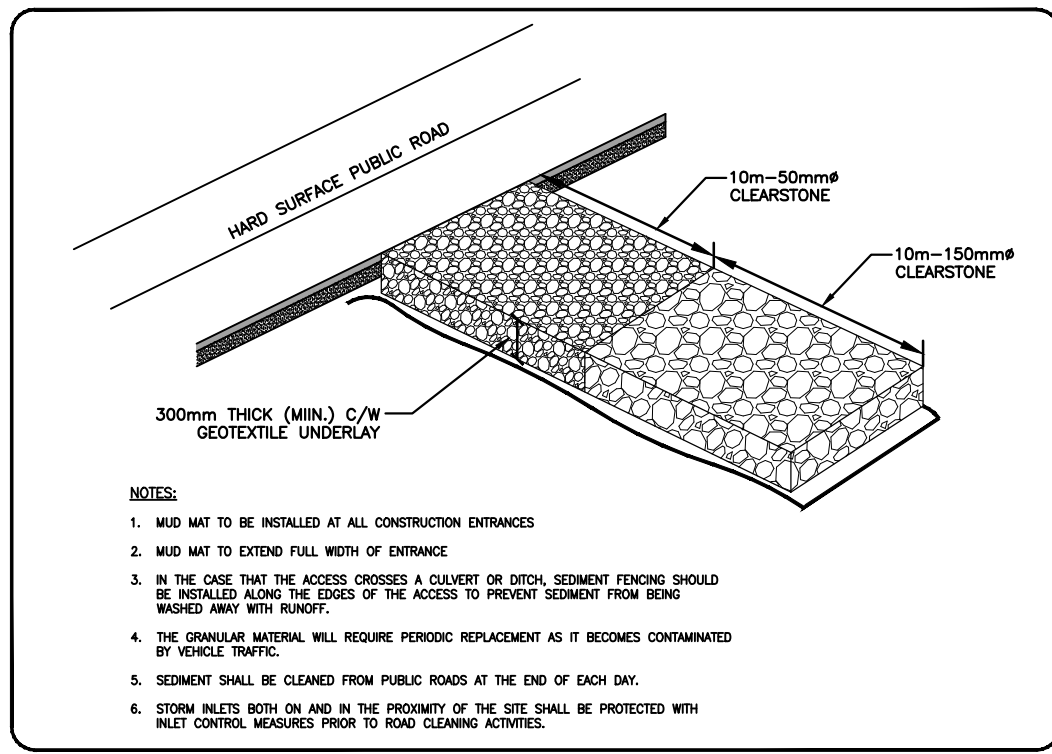
KEY PLAN
N.T.S.



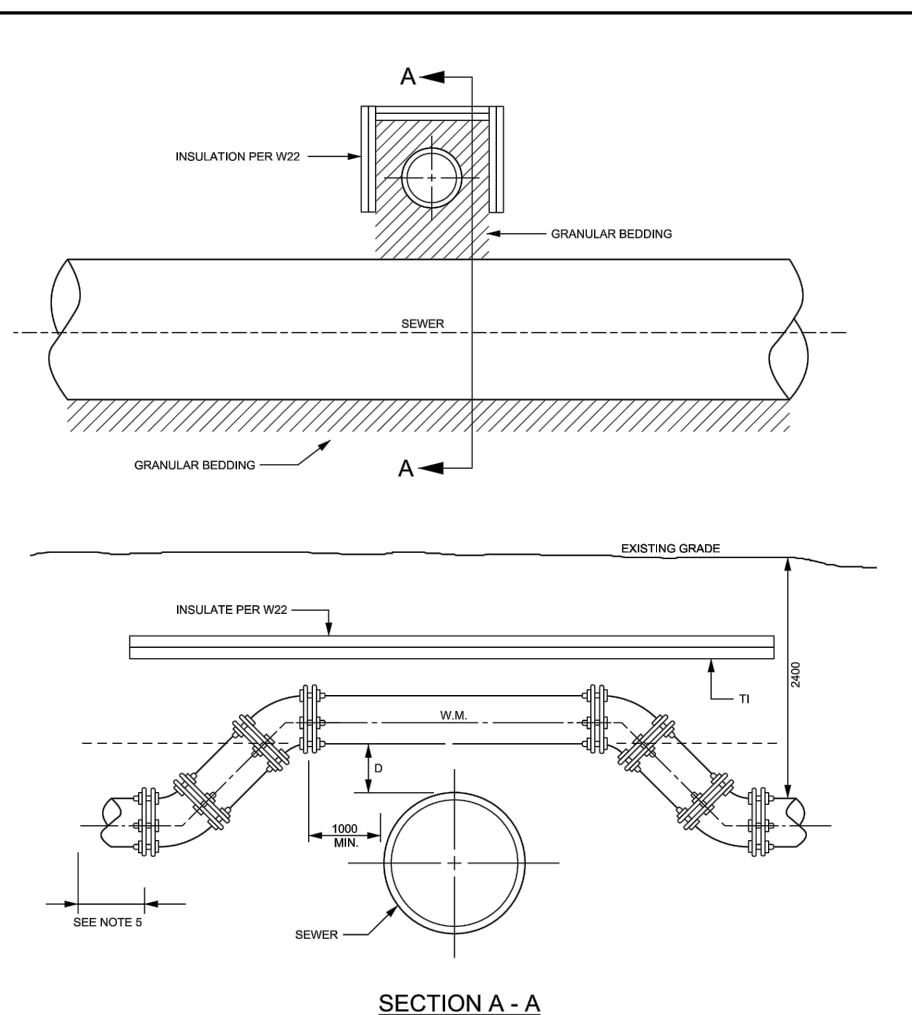
LIGHT DUTY SILT FENCE BARRIER
SCALE: N.T.S.



CATCH BASIN PROTECTION DETAIL: TERRAFIX SILTSACK
SCALE: N.T.S.



MUD MAT ENTRANCE DETAIL
SCALE: N.T.S.



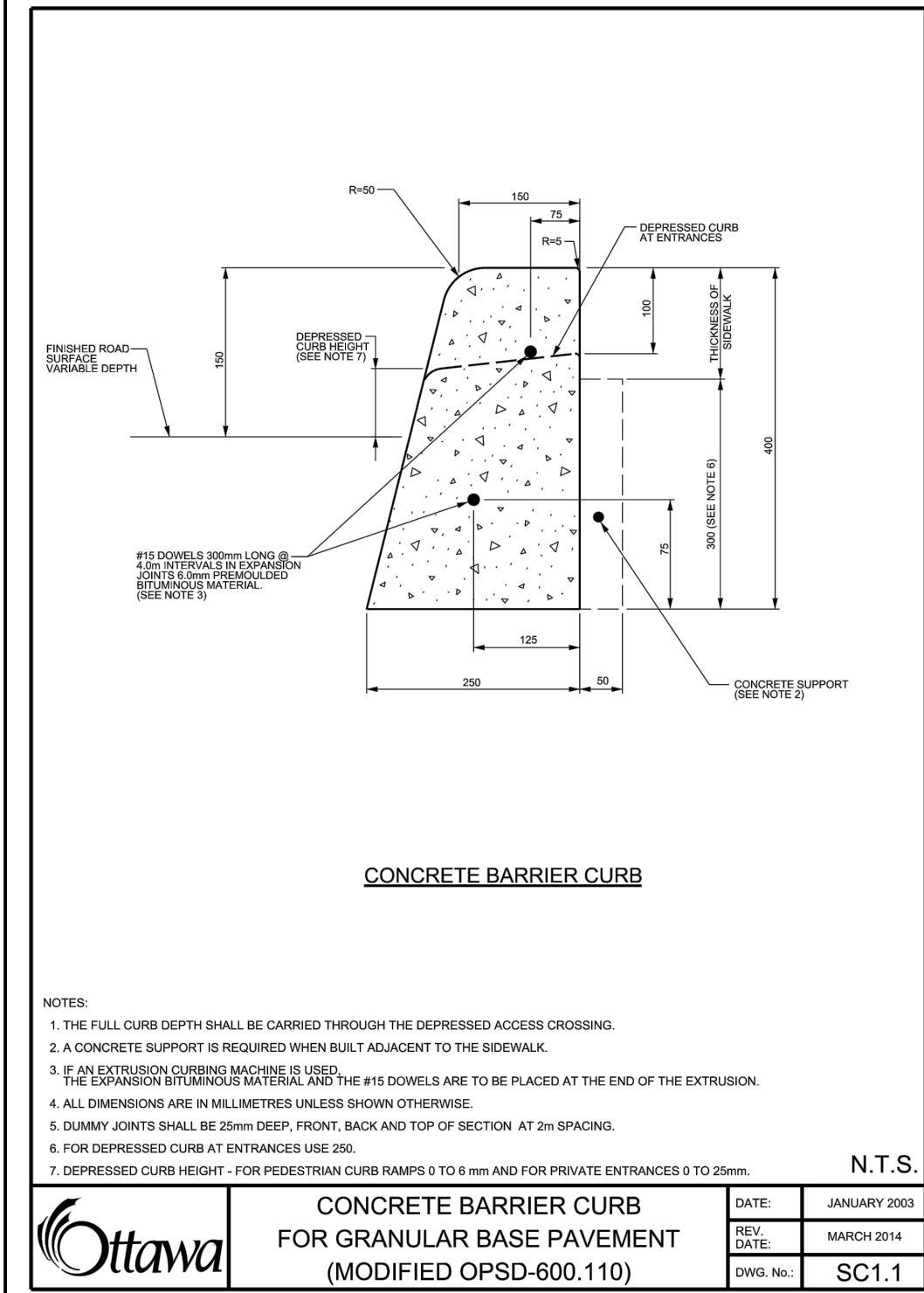
SECTION A-A

- NOTES:
- FOR WATERMAIN 150mm (MINIMUM) TO 450mm (MAXIMUM).
 - BARRELS TO BARRIERS, SEPARATIONS TO BE 300mm MINIMUM.
 - THRUST BLOCKS FOR MAINS LARGER THAN 450mm (MINIMUM) SHALL BE PER SPECIAL DESIGN.
 - FOR 300mm (MINIMUM) AND 300mm (MAXIMUM) MAINS, BENTS SHALL BE MAX. 20°.
 - CONCRETE FOR THRUST BLOCKS SHALL BE 30 MPa.
 - REFER TO W21 FOR REINFORCED CONCRETE DETAILS.
 - REFER TO W21.2 AND W21.4 FOR THRUST BLOCK REQUIREMENTS.
 - ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
 - DESIGNED TO MEET THE INTENT OF THE WIDE WATERMAIN DESIGN CRITERIA JUNE 2012.



WATERMAIN CROSSING
OVER SEWER

DATE: MAY 2001
DATE: MARCH 2013
DWG. NO.: W25.2

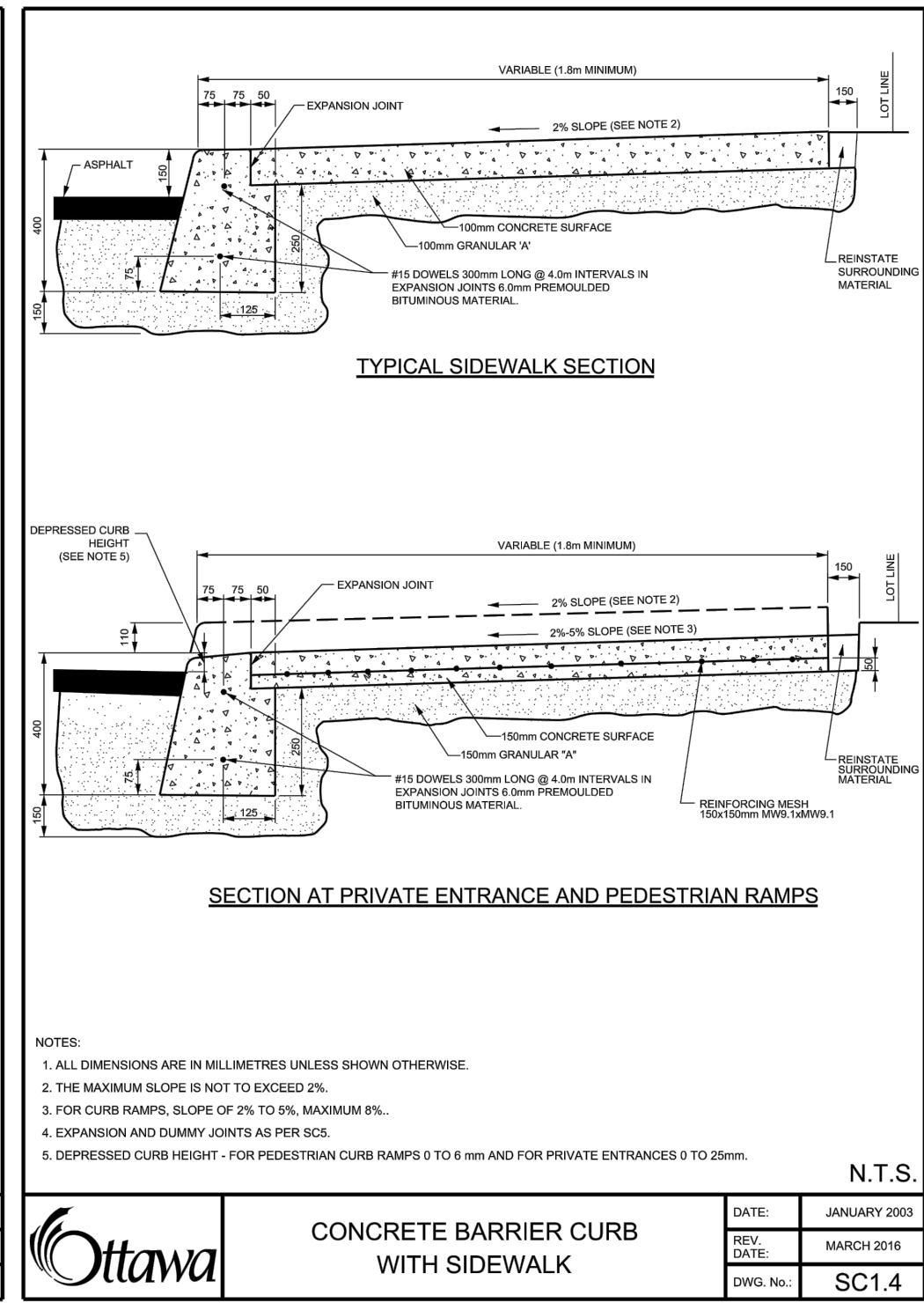


CONCRETE BARRIER CURB

- NOTES:
- THE FULL CURB DEPTH SHALL BE CARRIED THROUGH THE DEPRESSION CROSSING.
 - A CONCRETE SUPPORT IS REQUIRED WHEN BUILT ADJACENT TO THE SIDEWALK.
 - IF AN EXTENSION CURB MACHINE IS USED, THE EXPANSION JOINTS SHALL BE PLACED AT THE END OF THE EXTENSION.
 - ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
 - DUMPS JOINTS SHALL BE 20mm DEEP, FRONT, BACK AND TOP OF SECTION AT 2m SPACING.
 - FOR DEPRESSION CURB AT ENTRANCES USE 250.
 - DEPRESSION CURB HEIGHT: 150mm FOR PEDESTRIAN CURB RAMP 0 TO 6mm AND FOR PRIVATE ENTRANCES 0 TO 25mm.

N.T.S.

| | | |
|--|------------|--------------|
| | DATE: | JANUARY 2003 |
| | REV. DATE: | MARCH 2014 |
| | REV. NO.: | SC1.1 |
| | DWG. NO.: | SC1.1 |

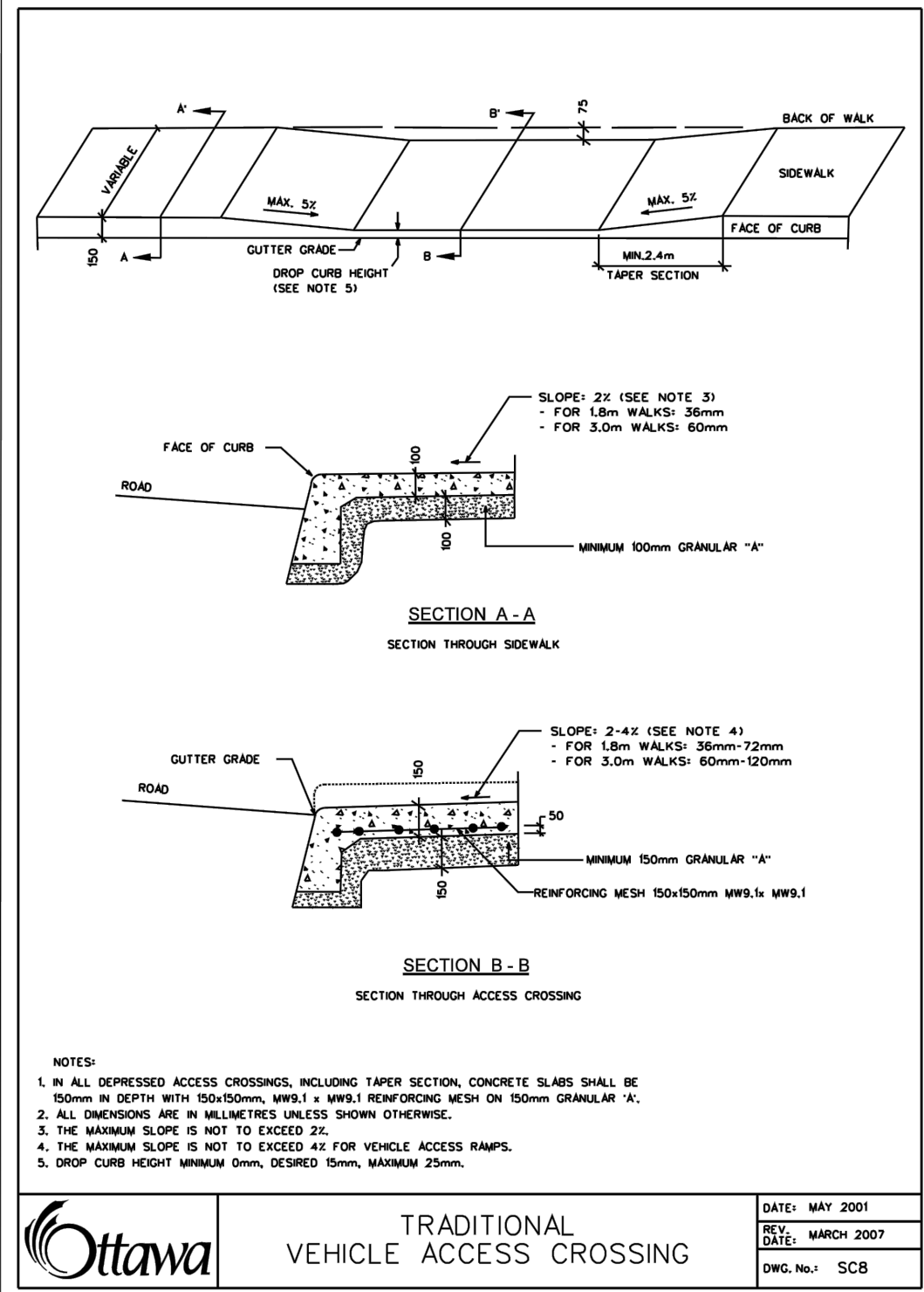


CONCRETE BARRIER CURB WITH SIDEWALK

- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
 - THE MAXIMUM SLOPE IS NOT TO EXCEED 2%.
 - FOR CURB RAMP, SLOPE OF 2% TO 5% MAXIMUM 5%.
 - EXPANSION AND DUMPS JOINTS SHALL BE 20mm DEEP.
 - DEPRESSION CURB HEIGHT: 150mm FOR PEDESTRIAN CURB RAMP 0 TO 6mm AND FOR PRIVATE ENTRANCES 0 TO 25mm.

N.T.S.

| | | |
|--|------------|--------------|
| | DATE: | JANUARY 2003 |
| | REV. DATE: | MARCH 2014 |
| | REV. NO.: | SC1.1 |
| | DWG. NO.: | SC1.4 |

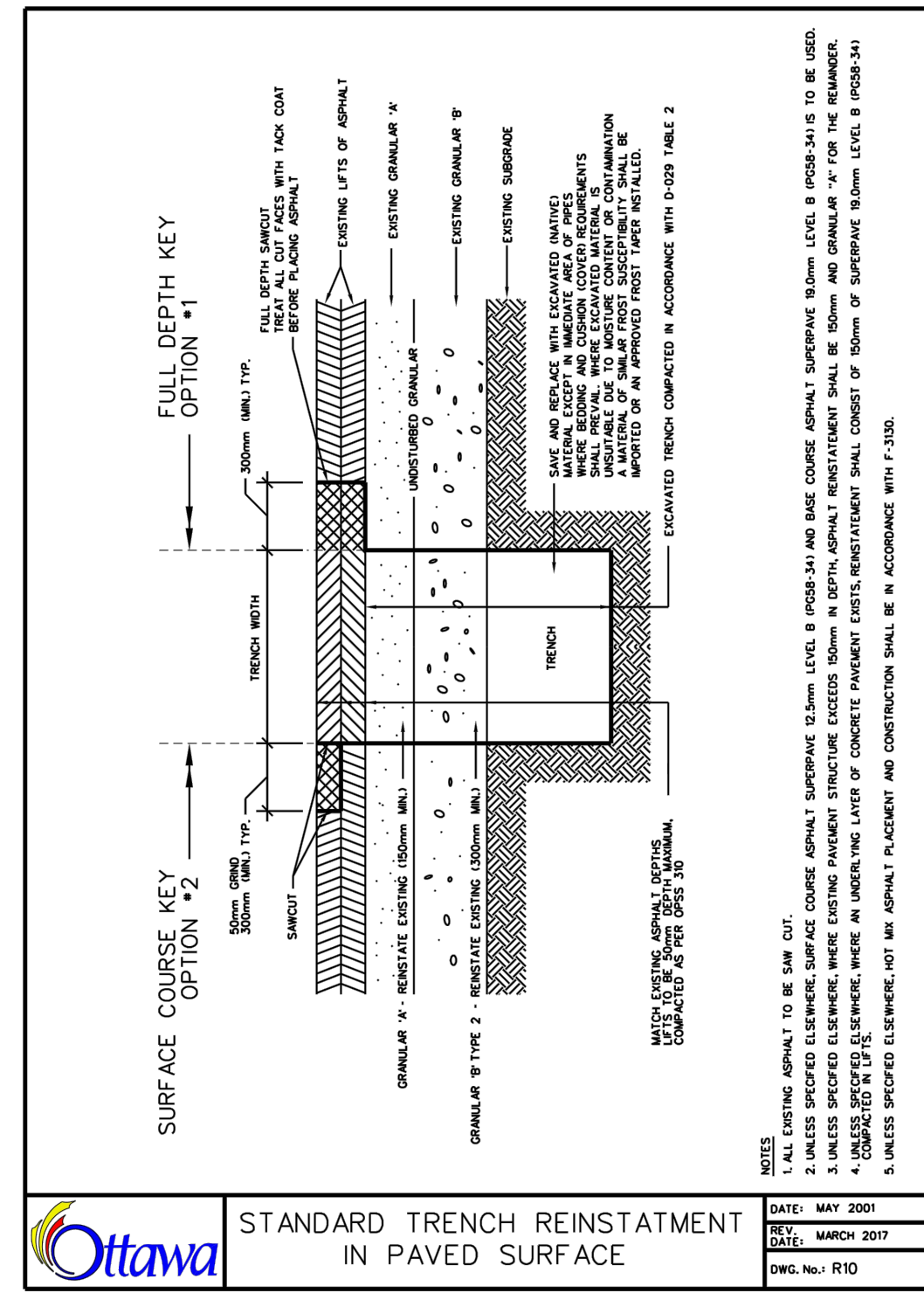


TRADITIONAL
VEHICLE ACCESS CROSSING

- NOTES:
- IN ALL DEPRESSION ACCESS CROSSINGS, INCLUDING TAPER SECTION, CONCRETE SLAB SHALL BE 100mm IN DEPTH WITH 100x100mm, W21.1 + W21.2 REINFORCING MESH ON 100mm GRANULAR "A".
 - ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
 - THE MAXIMUM SLOPE IS NOT TO EXCEED 2%.
 - THE MAXIMUM SLOPE IS NOT TO EXCEED 4% FOR VEHICLE ACCESS RAMP.
 - DROP CURB HEIGHT: MINIMUM 100mm, DESIRED 150mm, MAXIMUM 250mm.

N.T.S.

| | | |
|--|------------|------------|
| | DATE: | MAY 2001 |
| | REV. DATE: | MARCH 2007 |
| | REV. NO.: | SCB |
| | DWG. NO.: | SCB |



STANDARD TRENCH REINSTATEMENT
IN PAVED SURFACE

FULL DEPTH KEY
OPTION #1

SURFACE COURSE KEY
OPTION #2

- NOTES:
- ALL EXISTING ASPHALT TO BE SAW CUT.
 1. ALL EXISTING ASPHALT TO BE SAW CUT.
 2. 1. ALL EXISTING ASPHALT TO BE SAW CUT.
 3. 2. 1. ALL EXISTING ASPHALT TO BE SAW CUT.
 4. 3. 2. 1. ALL EXISTING ASPHALT TO BE SAW CUT.
 5. 4. 3. 2. 1. ALL EXISTING ASPHALT TO BE SAW CUT.

N.T.S.

| | | |
|--|------------|------------|
| | DATE: | MAY 2001 |
| | REV. DATE: | MARCH 2007 |
| | REV. NO.: | SCB |
| | DWG. NO.: | R10 |

APPROVED
By Laurel McCreight at 8:54 am, Mar 01, 2019

Laurel McCreight

DERRICK MOODIE
MANAGER
PLANNING, INFRASTRUCTURE & ECONOMIC
DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

Client/Project

HOMESTEAD
HOMESTEAD LAND HOLDINGS LIMITED

THE KENSINGTON
851 RICHMOND ROAD
OTTAWA, ON

Title

EROSION CONTROL PLAN
AND DETAIL SHEET

Project No.

160401329

Scale

AS SHOWN

Drawing No.

Sheet

Revision

EC/DS-1

4 of 6

6