

Note 2

CONNECTION WITHOUT VERTICAL RISER

VERTICAL RISER

SEWER SERVICE CONNECTIONS

FOR FLEXIBLE MAIN SEWER PIPE

DATE: MARCH 2006

REV. DATE: MARCH 2013

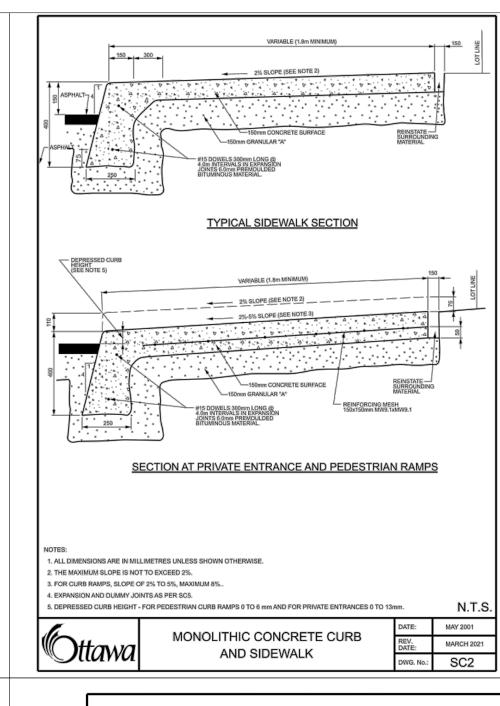
(MODIFIED OPSD-1006.020) DWG. No.: S11.1

1. ALL DIAMETERS OF SERVICE CONNECTIONS TO FLEXIBLE MAIN SEWER SHALL BE MADE USING APPROVED TEE OR WYE FITTINGS.

4. CAP OR PLUG AT THE PROPERTY LINE SHALL BE ADEQUATELY BRACED TO WITHSTAND TESTING PRESSURE.
5. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.

SANITARY SERVICES TO BE 135mm AND STORM SERVICES TO BE 100mm FOR NEW RESIDENCES UNLESS SPECIFIED OTHERWISE.
 SERVICE PIPE AND RADIUS BENDS TO BE APPROVED CSA B182.2, SDR28 PRODUCTS UNLESS SPECIFIED OTHERWISE.

3. APPROVED CONTROLLED SETTLEMENT JOINTS OPTIONAL FOR SERVICE CONNECTIONS TO MAIN SEWERS UP TO 5m DEEP. WHERE APPROVED, CONNECTIONS TO SEWERS OVER 5m DEEP REQUIRE APPROVED CONTROLLED SETTLEMENT JOINTS.



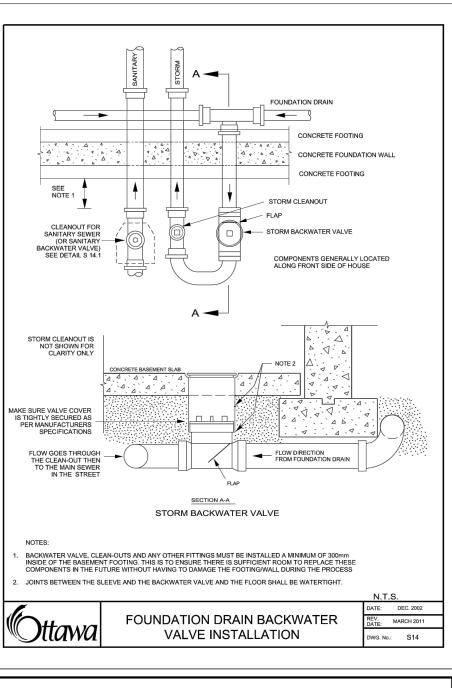
SECTION A - A

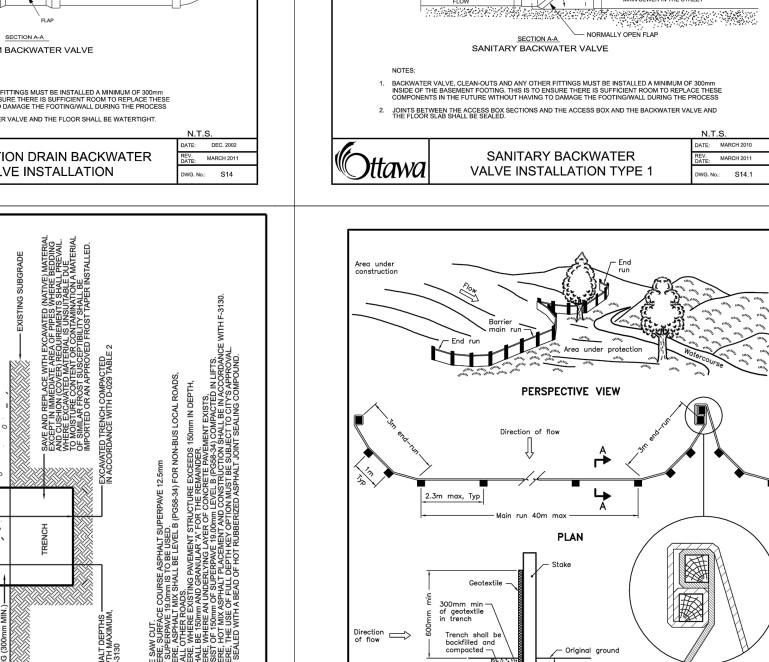
WATERMAIN CROSSING

FOR WATERMAIN 100mm (NOMINAL) TO 400mm (NOMINAL)

Ottawa

BARREL TO INVERT SEPARATION (D) SHALL BE 500mm MINIMUM.
 THRUST BLOCKS FOR MAINS LARGER THAN 400mm (NOMINAL) SHALL BE PER SPECIAL DESIGN.
 FOR 300mm (NOMINAL) AND 400mm (NOMINAL) AND SEPARATION SHALL BE MAX. 22° 30′.
 CONCRETE FOR THRUST BLOCKS SHALL BE 20 MPa.
 REFER TO W25.8 FOR RESTRAINED LENGTH REQUIREMENTS.





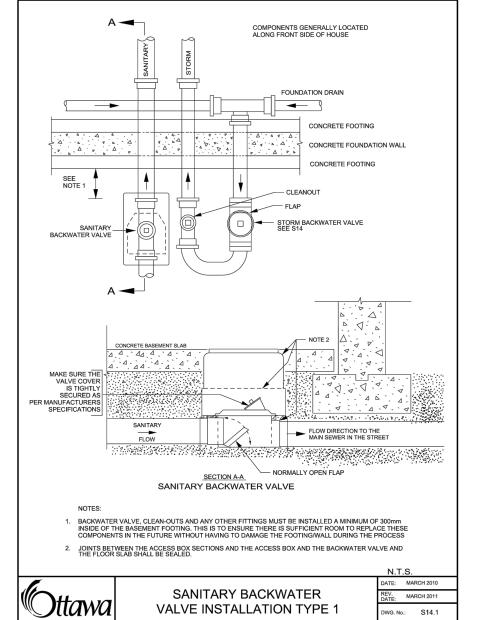
1.5 6 4 6 67.8

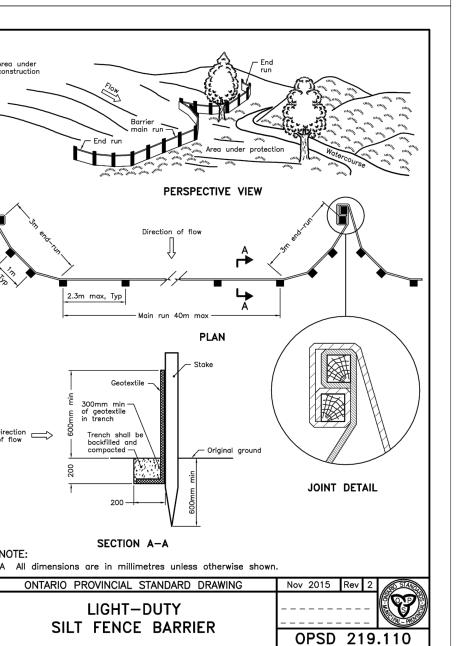
STANDARD TRENCH REINSTATEMENT

IN PAVED SURFACE

N.T.S.

DATE: MAY 2001







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PROPOSED SILT FENCE BOUNDARY AS PER OPSD 219.110

**Best Management Practices** 

PROPOSED CONSTRUCTIN FENCE AS PER DETAIL. PROPOSED CATCH BASIN PROTECTION AS PER

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

TERRAFIX SILTSACK DETAIL

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:

- 1. LIMIT THE EXTENT OF EXPOSED SOILS AT ANY GIVEN TIME.
- 2. REVEGETATE EXPOSED AREAS AND SLOPES AS SOON AS POSSIBLE.
- MINIMIZE AREA TO BE CLEARED AND GRUBBED.
- 4. 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
- 10. 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 PERMANENTLEY REMOVED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE CONTRACT ADMINISTRATOR.
- 11. THE CONTRACTOR SHALL PERIODICALLY, OR WHEN REQUESTED BY THE CONTRACT ADMINISTRATOR, CLEAN OUT ACCUMULATED SEDIMENTS AS
- 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.
- THE CONTRACTOR IS RESPONSIBLE TO KEEP THE ROADS FREE AND CLEAN FROM MUD

ISSUED FOR REVIEW DW KJK 21.12.22 By Appd. YY.MM.DD Revision DW KJK DW 21.12.09
Dwn. Chkd. Dsgn. YY.MM.DD File Name: 160401680-DB

Permit-Seal

- CATCH BASIN GRATE

1) TO BE USED UNDER APPROPRIATE

THE CONSTRUCTION PERIOD.

EVERY MAJOR STORM.

ROADSIDE CATCH BASIN PROTECTION DETAIL: TERRAFIX

SILTSACK

SCALE: N.T.S.

2) SILTSACK SHOULD BE INSPECTED

EVERY 2-3 WEEKS AND AFTER

3) TO BE INSTALLED AND MAINTAINED BY MANUFACTURES RECOMMENDATIONS

DRAINAGE CIRCUMSTANCES, DURING

-INSERT 1" REBAR FOR

BAG REMOVAL FROM INLET.

Client/Project

VIKA LAND DEVELOPMENT GROUP INC.

NEW APARTMENT BUILDING 138 FORWARD AVENUE OTTAWA, ONTARIO

EROSION CONTROL PLAN AND DETAIL SHEET

Approved 22.5° radius — bends as required