

1. MUD MAT TO BE INSTALLED AT ALL CONSTRUCTION ENTRANCES

In the case that the access crosses a culvert or ditch, sediment fencing should be installed along the edges of the access to prevent sediment from being washed way with runoff.

4. THE GRANULAR MATERIAL WILL REQUIRE PERIODIC REPLACEMENT AS IT BECOMES CONTAMINATED BY VEHICLE TRAFFIC.

STORM INLETS BOTH ON AND IN THE PROXIMITY OF THE SITE SHALL BE PROTECTED WITH INLET CONTROL MEASURES PRIOR TO ROAD CLEANING ACTIVITIES.

ROADSIDE CATCH BASIN PROTECTION DETAIL: TERRAFIX SILTSACK

- CATCH BASIN GRATE

1) TO BE USED UNDER APPROPRIATE

THE CONSTRUCTION PERIOD.

2) SILTSACK SHOULD BE INSPECTED

EVERY MAJOR STORM.

- CATCH BASIN

EVERY 2-3 WEEKS AND AFTER

3) TO BE INSTALLED AND MAINTAINED BY

MANUFACTURES RECOMMENDATIONS

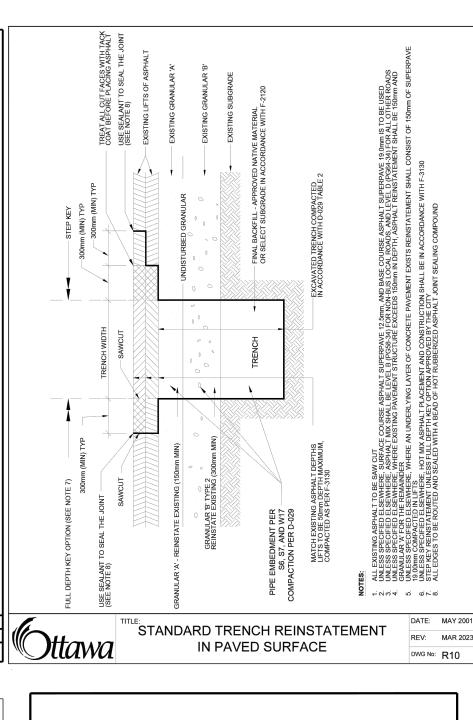
DRAINAGE CIRCUMSTANCES, DURING

-INSERT 1" REBAR FOR BAG REMOVAL FROM INLET

5. SEDIMENT SHALL BE CLEANED FROM PUBLIC ROADS AT THE END OF EACH DAY.

2. MUD MAT TO EXTEND FULL WIDTH OF ENTRANCE

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



A**⊸** 

SECTION A - A

WATERMAIN CROSSING

BELOW SEWER

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

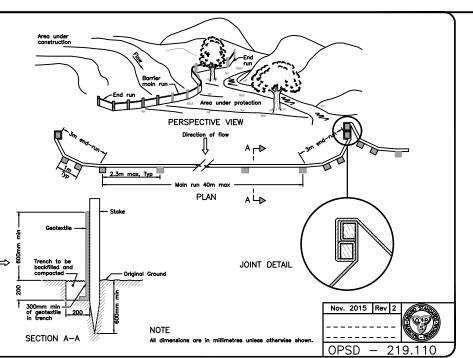
BARREL TO INVERT SEPARATION (I) SHALL BE 500mm MINIMUM.
 THRUST BLOCKS FOR MAINS LARGER THAN 400mm (NOMINAL) SHALL BE PER SPECIAL DESIGN.
 FOR 300mm, NOMINAL) AND 400mm, NOMINAL) AND SEPARS SHALL BE MAX. 22° 30°.
 CONCRETE FOR THRUST BLOCKS SHALL BE 20 MP.
 REFER TO W26 FOR RESTANDED LENGTH RECUIREMENTS.
 REFER TO W26 3 AND W26 4 FOR THRUST BLOCK RECUIREMENTS.

REFER TO WZS 3 AND WZS FOR THAND BUSCASSANDERS.

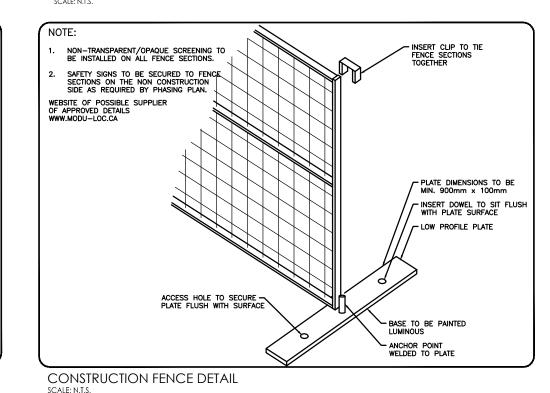
ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.

DESIGNED TO MEET THE INTENT OF THE MOE WATERMAIN DESIGN CRITERIA JUNE 2012.

CATHODIC PROTECTION MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH W39, W40, AND W42.









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## Legend

PROPOSED SILT FENCE BOUNDARY AS PER OPSD 219.110 —— PROPOSED CONSTRUCTIN FENCE AS PER DETAIL. PROPOSED STRAW BALE LOCATION AS PER OPSD 219.100

PROPOSED CATCH BASIN PROTECTION AS PER DETAIL. PROPOSED MUD MAT LOCATION

PROPOSED VALVE BOX PROPOSED VALVE CHAMBER PROPOSED FIRE HYDRANT

PROPOSED SANITARY SEWER MANHOLE PROPOSED STORM SEWER MANHOLE PROPOSED CATCHBASIN

## Best Management Practices

CONTRACTOR TO PROVIDE EROSION AND SEDIMENT CONTROLS (BEST MANAGEMENT PRACTICES) DURING CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES. TO PROVIDE FOR PROTECTION OF THE AREA DRAINAGE SYSTEM AND THE RECEIVING WATERCOURSE, DURING CONSTRUCTION ACTIVITIES. THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY

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.
- MINIMIZE AREA TO BE CLEARED AND GRUBBED.
- PROTECT EXPOSED SLOPES WITH PLASTIC OR SYNTHETIC MULCHES.

OFF SITE AS PER THE REQUIREMENTS OF THE CONTRACT.

- 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
- 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
- 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.
- 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.
- 3. CONTRACTOR SHALL INSTALL MUD MATS AT ENTRANCE TO THE SITE.
- STORMWATER SWALES TO BE COVERED WITH HYDRO-SEED AND MULCH.

3	revised as per city comments / site plan	MJS	DCT	24.09.18
2	revised as per city comments / site plan	WAJ	DCT	24.07.05
1	revised as per city comments / site plan	MJS	MF	23.03.15
0	ISSUED TO CITY FOR SPA	SLM	AMP	21.02.17
Revision		Ву	Appd.	YY.MM.DE

MJS MF MJS 21.01.07
Dwn. Chkd. Dsgn. YY.MM.DD File Name: 160401596-DB

Permit-Seal

Client/Project **BRIGIL HOMES** 

> 2829 DUMAURIER AVENUE 40 STOREY APARTMENT BUILDING OTTAWA, ON, CANADA

Title **EROSION CONTROL PLAN** 

AND DETAIL SHEET

Project No. 160401596 Drawing No. Revision

PLAN # 18503

VALVE INSTALLATION TYPE 1

 Bedding and cover as specified Note 2 CONNECTION WITHOUT VERTICAL RISER Slope 1% min 2% min desirable—— Approved 22.5° radius — bends as required Bedding and cover as specified — Note 1 VERTICAL RISER 1. ALL DIAMETERS OF SERVICE CONNECTIONS TO FLEXIBLE MAIN SEWER SHALL BE MADE USING APPROVED TEE OR WYE FITTINGS. 2. 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. 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.

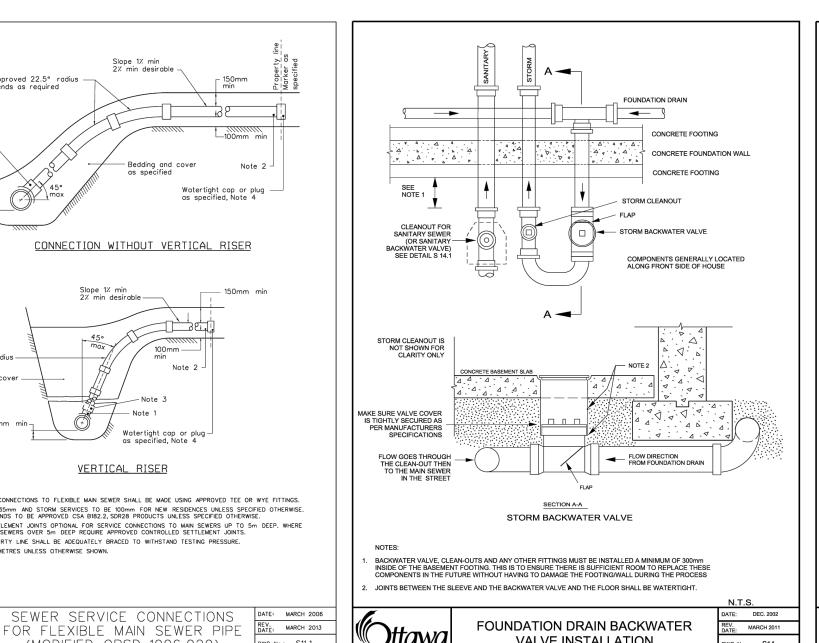
(MODIFIED OPSD-1006.020)

ORIGINAL SHEET - ARCH D

(MODIFIED OPSD-600.110)

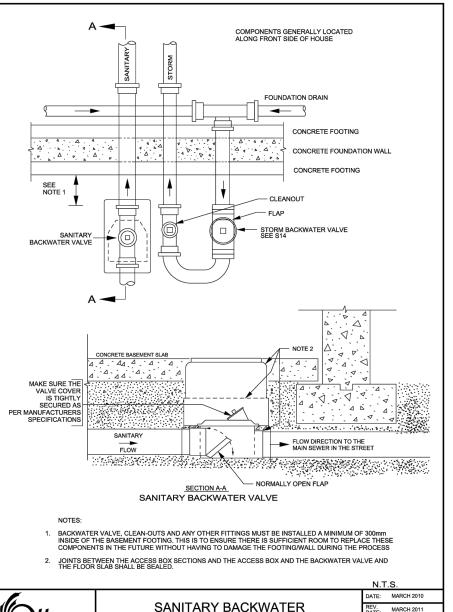
Slope 1% min 2% min desirable —

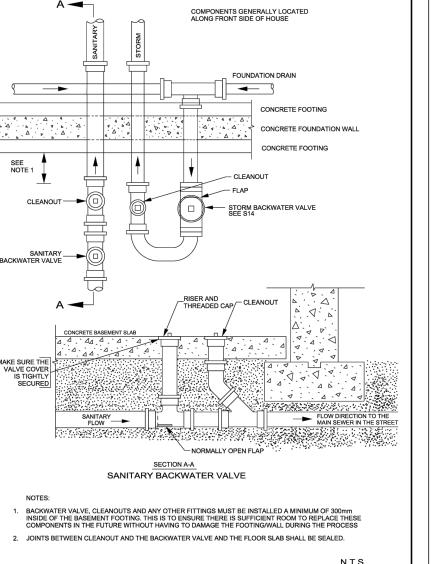
DWG. No.: SC1.1



VALVE INSTALLATION

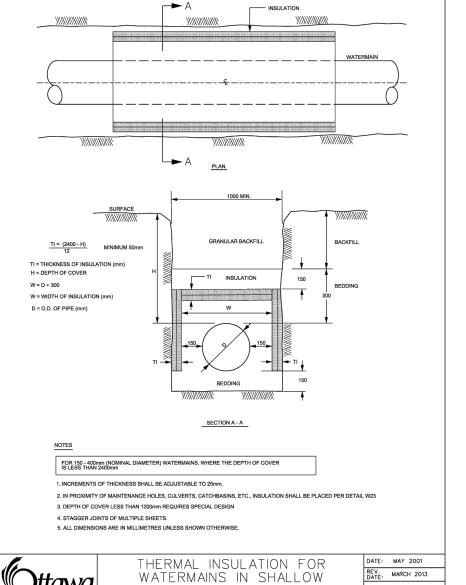
WITH SIDEWALK





SANITARY BACKWATER

VALVE INSTALLATION TYPE 2



TRENCHES

DWG. No.: W22