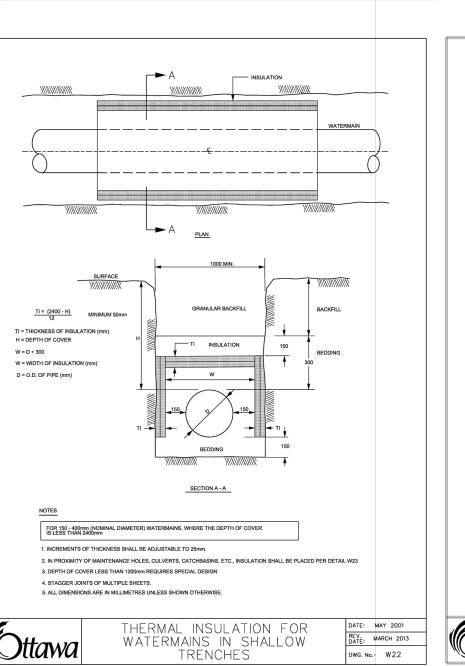
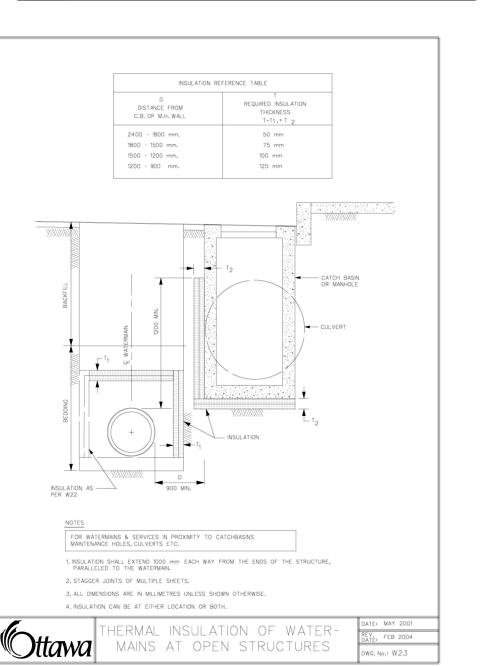


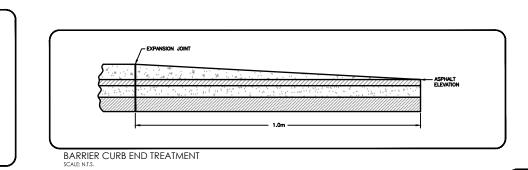
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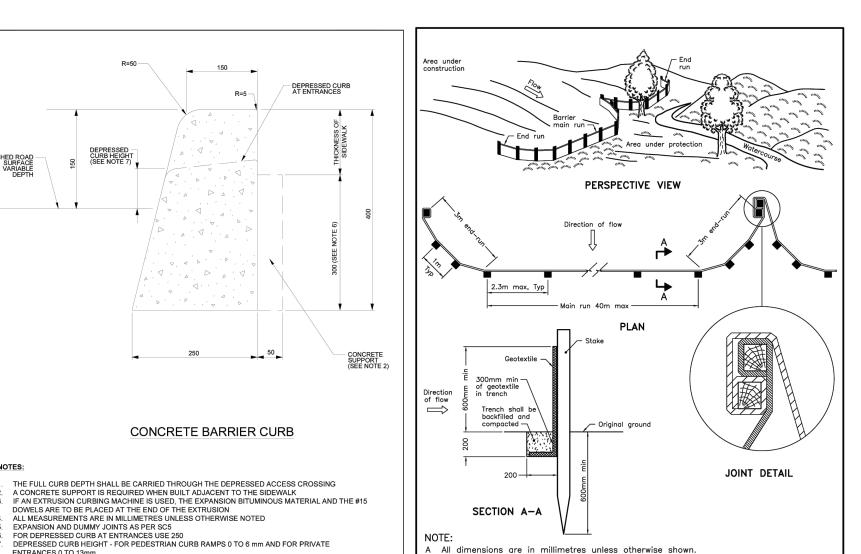
SECTION A-A



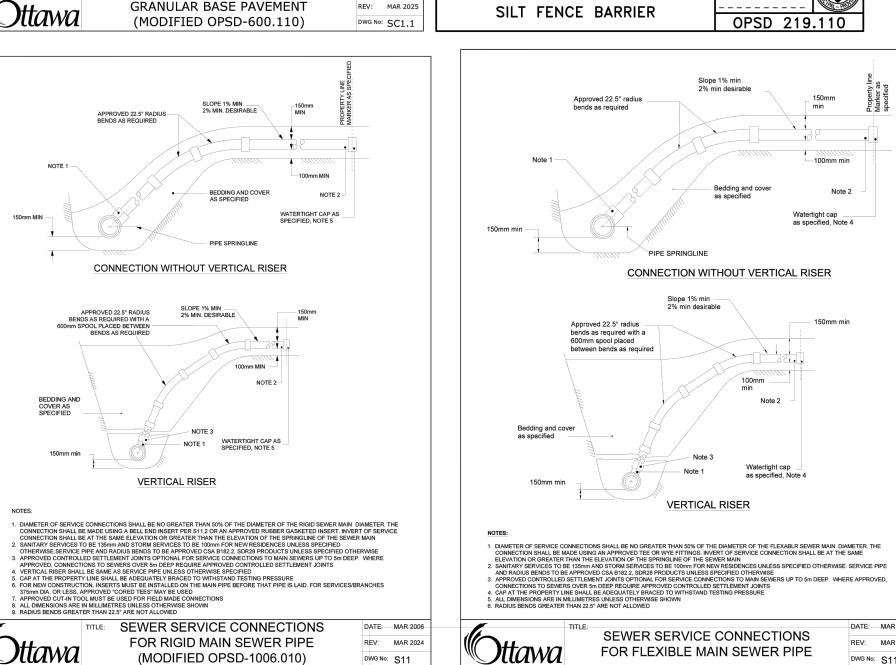
TITLE: CONCRETE BARRIER CURB FOR

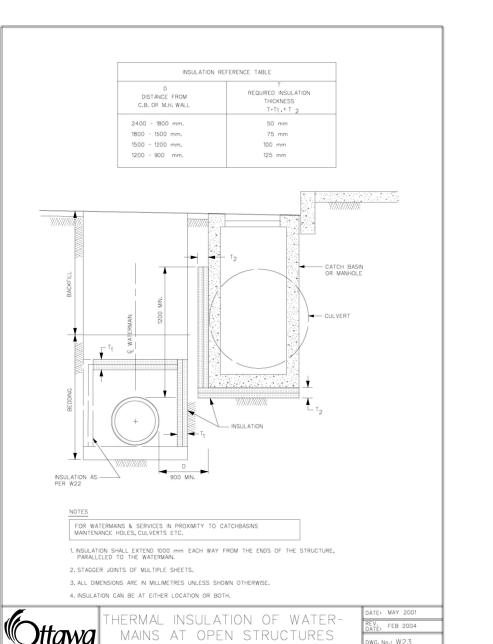






LIGHT-DUTY







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Legend PROPOSED SILT FENCE BOUNDARY AS PER OPSD 219.110

TYPICAL SECTION - TRANSITION BETWEEN DIFFERING PAVEMENT STRUCTURES

PROPOSED CATCH BASIN PROTECTION AS PER TERRAFIX SILTSACK DETAIL

CONSTRUCTION OF THIS PROJECT.

2,6,4, 6, 6,7,8

DWG No: R10

STANDARD TRENCH REINSTATEMENT

IN PAVED SURFACE

SECTION A - A

WATERMAIN CROSSING

PLAN

Note 1

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2019 Rev 4

ø1200

SECTION B-B

LEGEND:

L = Standard length of pipe (2440mm minimum)

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

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Steps according to DPSD 405.010 or 405.020 ———

SECTION A-A

Sewer pipe shall be according to CAN/CSA A257.2,

class to match that of the higher class adjacent pipe.

All dimensions are in millimetres unless otherwise shown.

PRECAST CONCRETE MAINTENANCE

HOLE MANUFACTURED TEE

Bedding for MH tee to match pipe bedding either side of tee. Granular backfill shall be placed to a minimum thickness of 300mm all around the maintenance hole tee.

Minimum steel in connection shall equal area of steel in pipe.

Structures exceeding 5.0m in depth shall include safety platform according to OPSD 404.020.

All dimensions are nominal.

BARREL TO BARREL SEPARATION (D) SHALL BE 250mm MINIMUM.
 THEUST BLOCKS FOR MAINS LARGER THAN 400mm (NOMINAL) SHALL BE PER SPECIAL DESIGN.
 FOR 300mm (NOMINAL) AND 400mm (NOMINAL) MAINS, BENDS SHALL BE MAX. 22° 30′.
 CONCRETE FOR THIRUST BLOCKS SHALL BE 20 MPa.
 REPERT OW 2025 FOR RESTRANDE LENGTH REQUIREMENTS.
 REPERT TO W25.3 AND W25.4 FOR THRUST BLOCK REQUIREMENTS.
 ALL DIMENSIONS ARE IN MILLIBETTES UNLESS SHOWN OTHERWISE.

GRANULAR BEDDING

PROPOSED MUD MAT LOCATION

PROPOSED VALVE BOX PROPOSED VALVE CHAMBER PROPOSED FIRE HYDRANT PROPOSED SANITARY SEWER MANHOLE PROPOSED STORM SEWER MANHOLE

PROPOSED CATCHBASIN PROPOSED STRAW BALE. OPSD 219.100

Best Management Practices CONTRACTOR TO PROVIDE EROSION AND SEDIMENT CONTROLS (BEST MANAGEMENT PRACTICES) DURING

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.

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 PERMANENTLEY REMOVED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE CONTRACT ADMINISTRATOR.

THE CONTRACTOR SHALL PERIODICALLY, OR WHEN REQUESTED BY THE CONTRACT ADMINISTRATOR,

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 BOTH ENTRANCES TO THE SITE.

14. STORMWATER SWALES TO BE COVERED WITH HYDRO-SEED AND MULCH.

5. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING ROADS FREE OF MUD AND DEBRIS AT ALL TIMES

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 YY.MM.DD
 File Name: 160402165-DB.dwg

Permit-Seal

DATE: MAY 2001

REV. MARCH 2021

DATE: MARCH 2021

Client/Project RICHCRAFT HOMES

> KANATA WEST - BLOCK 1 MAPLE GROVE RD./ROGER GRIFFITHS AVE. OTTAWA, ON

EROSION CONTROL PLAN AND DETAIL SHEET

Project No. **AS NOTED** 160402165 Revision Drawing No.

ORIGINAL SHEET - ARCH D

DATE: MAR 2015

REV: FEB 2025

DWG No: SC7.3

ISOMETRIC VIEW

sediment flow through barrier.

2 Caulk and compact gaps with loose straw.

A All dimensions are in millimetres unless otherwise shown.

STRAW BALE BARRIER

Straw bales shall be butted tightly against adjoining bales to prevent

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6mm **→**

B-B

TOPS OF TWSI'S (TACTILE WALKING SURFACE INDICATOR) SHALL BE ALIGNED & LEVEL WITH THE ADJACENT CONCRETE SURFACE & INSTALLATION IN WET CONCRETE SHALL BE EFFECTIVE IN PERMANENTLY SECURING THE TWSI IN PLACE ONCE DRY
 FOR MONOLITHIC SIDEWALKS, TWSI SHALL BE 300 TO 350mm BACK FROM THE CURB FACE
 JOINTS SHALL BE CONSTRUCTED TRANSVERSELY ACROSS THE SIDEWALK, PERPENDICULAR TO THE FACE OF CHIPS FOR SIDEWALK.

CURB FOR SIDEWALK

WHEN JOINTS ARE CONSTRUCTED ADJACENT TO TWSI'S, THE JOINTS SHALL EXTEND FROM THE BACK
CORNERS OF THE OUTSIDE TWSI PLATES TO THE BACK OF SIDEWALK, OR TERMINATE AT AN ADJACENT JOINT
THE TERMINATION OF THE JOINTS AT BOTH THE FRONT AND BACK OF SIDEWALK SHALL BE NO LESS THAN 600mm APART

TWSI DETAIL

600mm APART

JOINTS IN ALL CONCRETE ELEMENTS SHALL BE LAID OUT TO ENSURE THAT NO INDIVIDUAL RESULTING CONCRETE PANEL IS LESS THAN 0.5m² OR GREATER THAN 6m²

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