

WATERTIGHT CAP OR PLUG -AS SPECIFIED, NOTE 5

CONNECTION WITHOUT VERTICAL RISER

VERTICAL RISER

I. ALL DIAMETERES OF SERVICE CONNECTIONS THAT HAVE NOMINAL DIAMETERS NO GREATER THAN 50% OF THE NOMINAL DIAMETER OF THE RIGID SEWER PIPE SHALL BE MADE USING A BELL END INSERT AS PER \$11.2 OR AN APPROVED RUBBER GASKETED INSERT, INSTALLED ABOVET THE SPRING LINE.

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.

AP OR PLUG AT THE PROPERTY LINE SHALL BE ADEQUATELY BRACED TO WITHSTAND TESTING PRESSURE.

6. FOR NEW CONSTRUCTION, INSERTS MUST BE INSTALLED ON THE MAIN PIPE BEFORE THAT PIPE IS LAID. FOR SERVICES/BRANCHES 375mm DIA. OR LESS, APPROVED "CORED TEES" MAY BE USED.

. VERTICAL RISER SHALL BE SAME AS SERVICE PIPE UNLESS OTHERWISE SPECIFIED.

PPROVED CUT-IN TOOL MUST BE USED FOR FIELD MADE CONNECTIONS.

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.

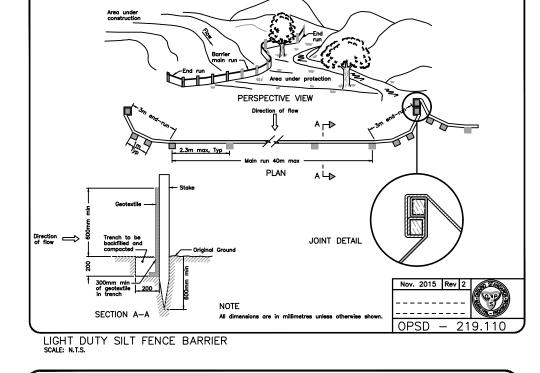
SEWER SERVICE CONNECTIONS

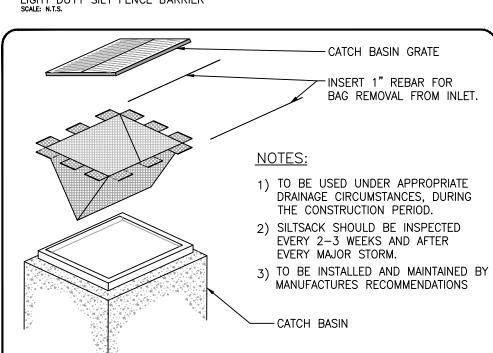
FOR RIGID MAIN SEWER PIPE

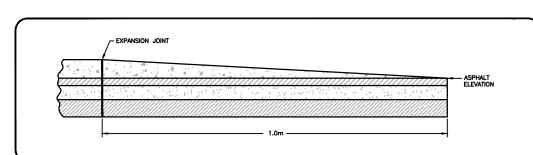
(MODIFIED OPSD-1006.010)

APPROVED 22.5° RADIUS — BENDS AS REQUIRED BEDDING AND COVER AS SPECIFIED SLOPE 1% MIN.—— 2% MIN. DESIRABLE

> WATERTIGHT CAP OR PLUG AS SPECIFIED, NOTE 5



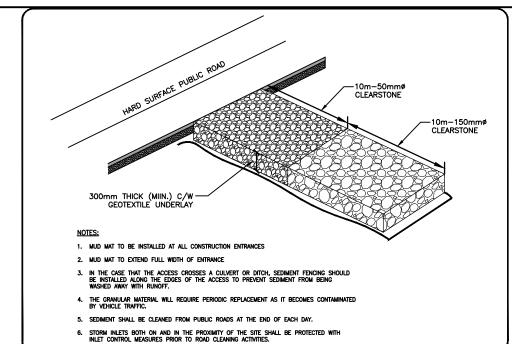




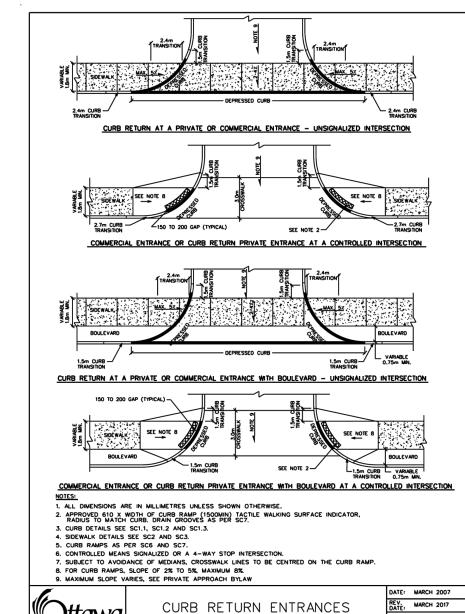
ROADSIDE CATCH BASIN PROTECTION DETAIL:

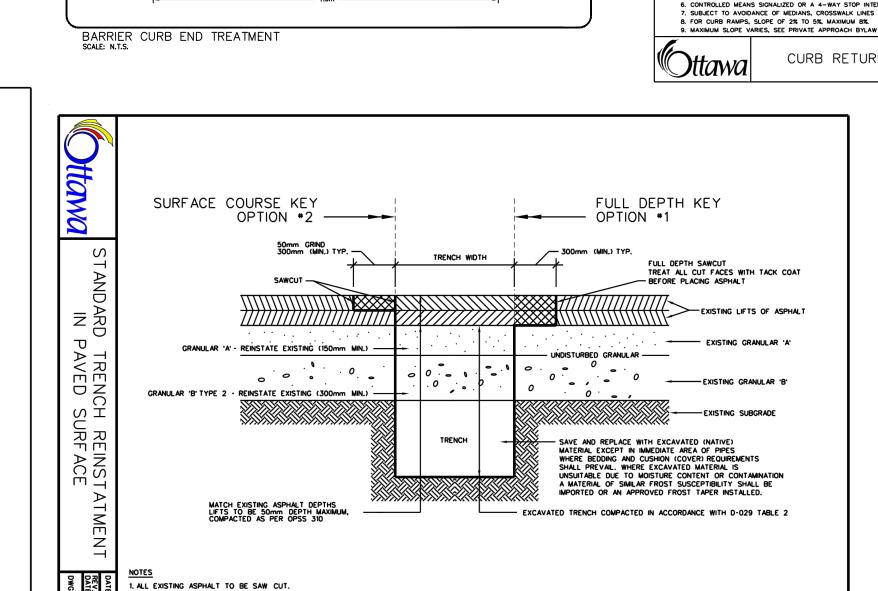
TERRAFIX SILTSACK

SCALE: N.T.S.



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

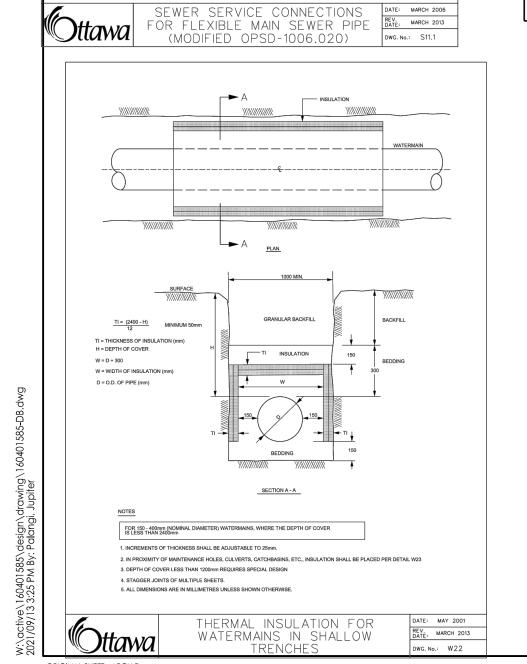




2. UNLESS SPECIFIED ELSEWHERE, SURFACE COURSE ASPHALT SUPERPAVE 12.5mm LEVEL B (PG58-34) AND BASE COURSE ASPHALT SUPERPAVE 19.0mm LEVEL B (PG58-34) IS TO BE USED.

3. UNLESS SPECIFIED ELSEWHERE, WHERE EXISTING PAVEMENT STRUCTURE EXCEEDS 150mm IN DEPTH, ASPHALT REINSTATEMENT SHALL BE 150mm AND GRANULAR "A" FOR THE REMAINDER.

4. UNLESS SPECIFIED ELSEWHERE, WHERE AN UNDERLYING LAYER OF CONCRETE PAVEMENT EXISTS, REINSTATEMENT SHALL CONSIST OF 150mm OF SUPERPAVE 19.0mm LEVEL B (PG58-34) COMPACTED IN LIFTS.



CONNECTION WITHOUT VERTICAL RISER

— Note 1

VERTICAL RISER

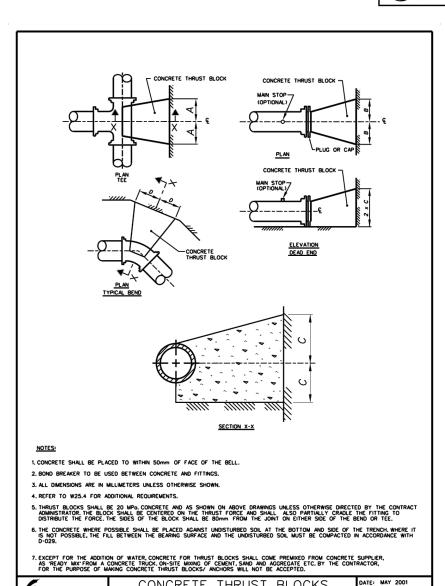
1. ALL DIAMETERS OF SERVICE CONNECTIONS TO FLEXIBLE MAIN SEWER SHALL BE MADE USING APPROVED TEE OR WYE FITTINGS.

 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.

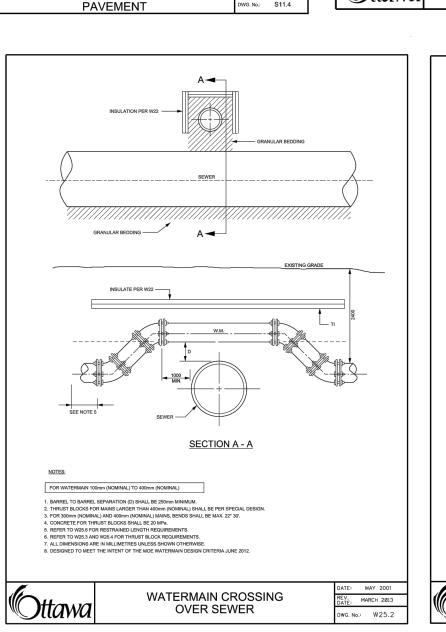
5. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.

Slope 1% min 2% min desirable ———



400mm AND UNDER

DWG. No.: W25.3



SEWER SERVICE ABANDONMENT BENEATH PAVEMENT

SEWER SERVICE

ABANDONMENT BENEATH

A **~**

19 WIDE STAINLESS — STEEL HOSE CLAMP

FRONT VIEW

N.T.S.

ROD COUPLER WITH WASHER / THREADED ROD OR EQUIVALENT WITH THREADED END

LONG TYPE 316 STAINLESS STEEL BOLT AND WASHER

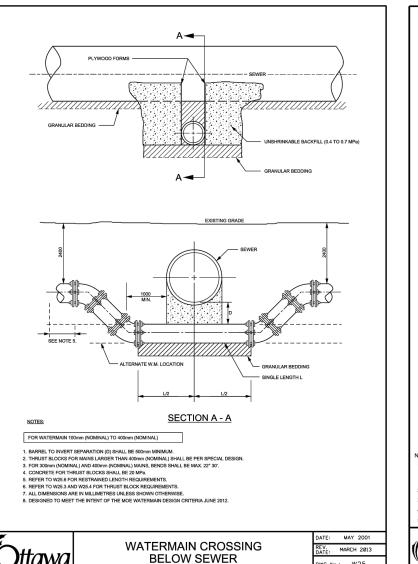
FLEXIBLE COUPLING

2 LAYERS 19 THICK PLYWOOD LAMINATED TOGETHER

19 WIDE STAINLESS STEEL HOSE CLAMP

SECTION A - A FABRICATED SEWER PLUG

1. ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE SHOWN



N.T.S

DATE: JANUARY 2003

REV. DATE: MARCH 2014

125

CONCRETE BARRIER CURB

CONCRETE BARRIER CURB

FOR GRANULAR BASE PAVEMENT

(MODIFIED OPSD-600.110)

1. THE FULL CURB DEPTH SHALL BE CARRIED THROUGH THE DEPRESSED ACCESS CROSSING

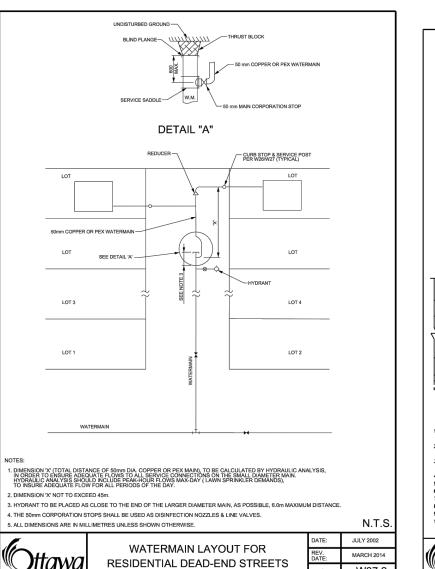
5. DUMMY JOINTS SHALL BE 25mm DEEP, FRONT, BACK AND TOP OF SECTION AT 2m SPACING

3. 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.

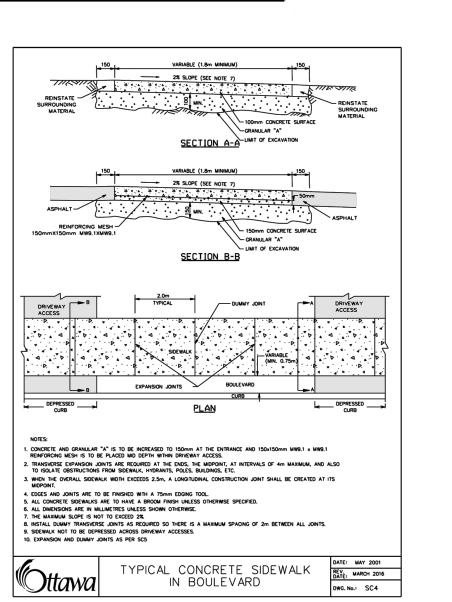
ONCRETE SUPPORT IS REQUIRED WHEN BUILT ADJACENT TO THE SIDEWALK.

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.

FOR DEPRESSED CURB AT ENTRANCES USE 250.



5. UNLESS SPECIFIED ELSEWHERE, HOT MIX ASPHALT PLACEMENT AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH F-3130.





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Legend

PROPOSED SILT FENCE BOUNDARY AS PER OPSD 219.110

PROPOSED STRAW BALE LOCATION AS PER OPSD 219.100

PROPOSED CATCH BASIN PROTECTION AS PER DETAIL.

PROPOSED MUD MAT LOCATION

EXISTING SWALE

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.

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.
- 2. REVEGETATE EXPOSED AREAS AND SLOPES AS SOON AS POSSIBLE.
- 3. MINIMIZE AREA TO BE CLEARED AND GRUBBED.
 - PROTECT EXPOSED SLOPES WITH PLASTIC OR SYNTHETIC MULCHES.
- 5. 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
- 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.

 9. NO REFUELING OR CLEANING OF EQUIPMENT IS PERMITTED NEAR ANY EXISTING
- WATERWAY.

 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
- 11. THE CONTRACTOR SHALL PERIODICALLY, OR WHEN REQUESTED BY THE CONTRACT ADMINISTRATOR, CLEAN OUT ACCUMULATED SEDIMENTS AS REQUIRED.

AUTHORIZATION FROM THE CONTRACT ADMINISTRATOR.

12. 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.

13. CONTRACTOR SHALL INSTALL MUD MATS AT ENTRANCE TO THE SITE.

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

3 ISSUED FOR SPA

2 ISSUED FOR SPA

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4 JP

5 DT

6 21.09.09

7 21.04.30

9 DT

7 20.12.16

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 File Name:
 160401585-DB
 JP
 DT/SG
 JP
 20.11.06

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 Chkd.
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Permit-Seal

Client/Project

RICHCRAFT GROUP OF COMPANIES 2280 ST. LAURENT BLVD

PROPOSED RESIDENTIAL DEVELOPMENT TRAILSEDGE BLOCK 193 & 194
OTTAWA, ON

_____ itla

EROSION CONTROL PLAN AND DETAILS SHEET

 Project No.
 Scale

 160401585
 800

 Drawing No.
 Sheet
 Revision

 EC/DS-1
 7 of 11
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