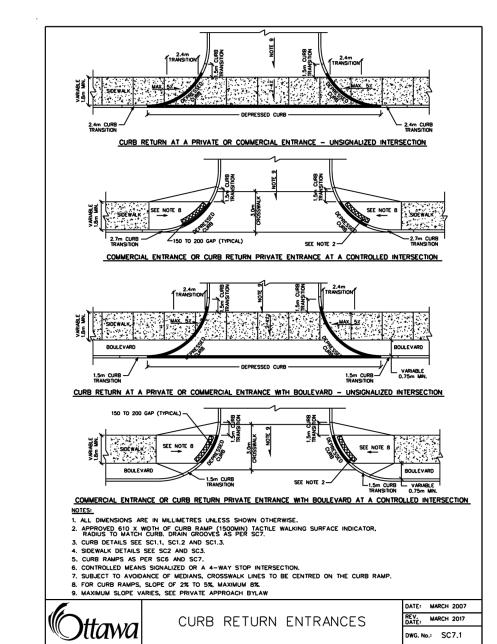


SEDIMENT SHALL BE CLEANED FROM PUBLIC ROADS AT THE END OF EACH DAY.
 STORM INLETS BOTH ON AND IN THE PROXIMITY OF THE SITE SHALL BE PROTECTED WITH INLET CONTROL MEASURES PRIOR TO ROAD CLEANING ACTIVITIES.

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





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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.

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

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

PROPOSED CATCHBASIN

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.

OFF SITE AS PER THE REQUIREMENTS OF THE CONTRACT.

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 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.

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

WATERWAY.

O. 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.

STORMWATER SWALES TO BE COVERED WITH HYDRO SEED AND MILL OH

14. STORMWATER SWALES TO BE COVERED WITH HYDRO-SEED AND MULCH.				
4	ISSUED FOR SPA			21.11.11
3	ISSUED FOR SPA	JP	DT	21.09.09
2	ISSUED FOR SPA	JP	DT	21.04.30
1	ISSUED FOR SPA	JP	DT	20.12.16
Revision		Ву	Appd.	YY.MM.DD
File	Name: 160401585-DB JP	DT/SG	JP	20.11.06

Dwn. Chkd. Dsgn. YY.MM.DD

DWG# 18359

Permit-Seal

Client/Project

RICHCRAFT GROUP OF COMPANIES 2280 ST. LAURENT BLVD

PROPOSED RESIDENTIAL DEVELOPMENT TRAILSEDGE BLOCK 193 & 194 OTTAWA, ON

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EROSION CONTROL PLAN AND DETAILS SHEET

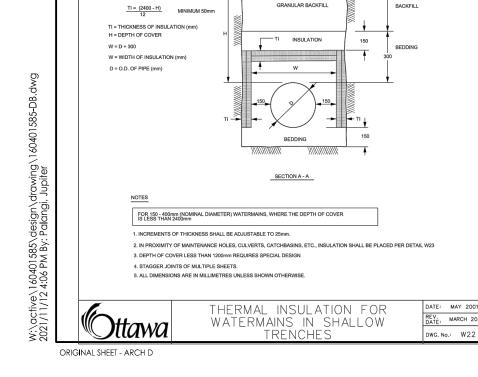
 Project No.
 Scale

 160401585
 Revision

 Drawing No.
 Sheet

 FC/DS-1
 7 of 11

 4



Slope 1% min 2% min desirable ———

— Note 1

SEWER SERVICE CONNECTIONS
FOR FLEXIBLE MAIN SEWER PIPE

DATE: MARCH 2006
REV. DATE: MARCH 2013

VERTICAL RISER

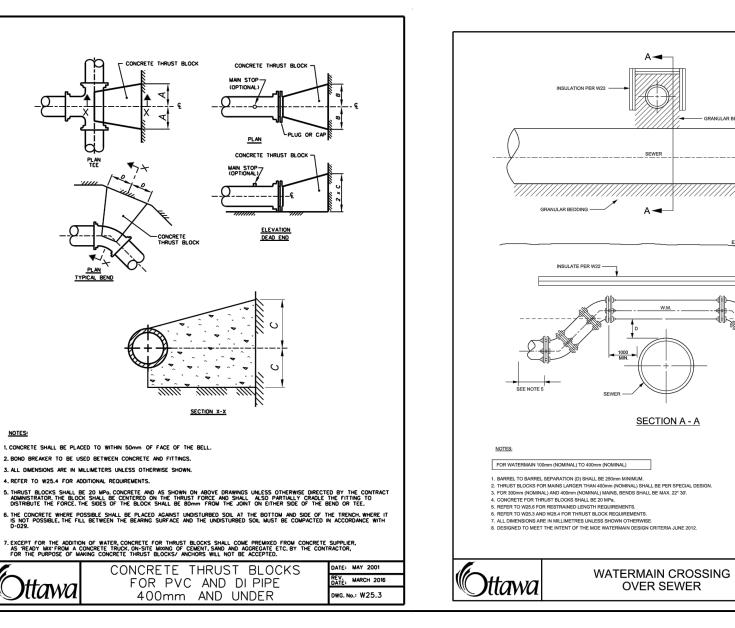
(MODIFIED OPSD-1006.020)

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.



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

SLOPE 1% MIN.—— 2% MIN. DESIRABLE

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)

WATERTIGHT CAP OR PLUG AS SPECIFIED, NOTE 5

APPROVED 22.5° RADIUS — BENDS AS REQUIRED BEDDING AND COVER AS SPECIFIED ROD COUPLER WITH WASHER / THREADED ROD OR EQUIVALENT WITH THREADED END

SEWER SERVICE

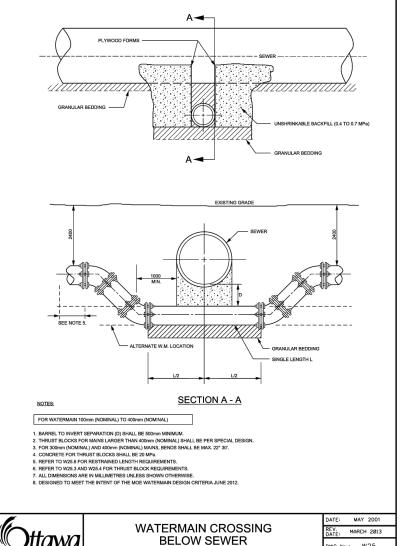
ABANDONMENT BENEATH

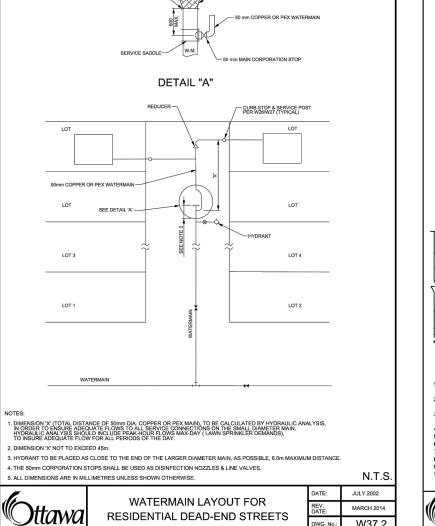
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A **~**

19 WIDE STAINLESS — STEEL HOSE CLAMP

FRONT VIEW





VARIABLE (1.8m MINIMUM)

GRANULAR "A"

150mm CONCRETE SURFACE
GRANULAR "A"

SECTION A-A-LIMIT OF EXCAVATION

2% SLOPE (SEE NOTE 7)

2% SLOPE (SEE NOTE 7)