- . ALL WORKS AND MATERIALS SHALL CONFORM TO THE LATEST REVISIONS OF THE STANDARDS AND SPECIFICATIONS OF THE CITY OF OTTAWA AND ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD) AND SPECIFICATIONS (OPSS), AS AMENDED BY THE CITY OF OTTAWA.
- THE CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL EXISTING UTILITIES WITHIN THE SITE AND ADJACENT WORK AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION.THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ANY SERVICES OR UTILITIES DISTURBED DURING CONSTRUCTION, TO THE SATISFACTION OF THE AUTHORITY HAVING
- 3. ALL DIMENSIONS AND ELEVATION SHALL BE CHECKED AND VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED IMMEDIATELY TO THE ENGINEER.
- 4. DESIGN ELEVATIONS GIVEN ARE TO BE ADHERED TO WITH NO CHANGES WITHOUT PRIOR WRITTEN APPROVAL BY ROBINSON LAND DEVELOPMENT.
- 5. ANY ARES BEYOND THE LIMIT OF THE SITE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION AT THE CONTRACTOR'S
- 6. RELOCATION OF EXISTING SERVICES AND/OR UTILITIES SHALL BE AS SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
- 7. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE "OCCUPATIONAL HEALTH AND SAFETY ACT AND AS DEFINED IN THE ACT.
- 8. ALL CONSTRUCTION SIGNAGE MUST BE CONFORM TO THE M.T.O MANUAL OF UNIFORM TRAFFIC CONTROL DEVICE(LATEST AMENDMENT).
- 9. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE SPECIFIED.
- 10. THE SUPPORT OF ALL UTILITIES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
- 11. THE CONTRACTOR WILL BE RESPONSIBLE FOR ADDITIONAL BEDDING OR ADDITIONAL STRENGTH PIPE IF THE MAXIMUM TRENCH WIDTH, AS SPECIFIED BY OPSD, IS EXCEEDED.
- 12. ALL NECESSARY CLEARING AND GRABBING SHALL BE COMPLETED BY THE CONTRACTOR, REVIEW WITH THE CITY OF OTTAWA PRIOR TO AND TREE CUTTING.
- 13. REFER TO GEOTECHNICAL INVESTIGATION PREPARED BY YURI MENDEZ ENGINEERING, DATED JUNE 2023.
- 14. THE CONTRACTOR IS RESPONSIBLE FOR AND SHALL PROVIDE FOR DEWATERING, SUPPORT AND PROTECTION OF EXCAVATION AND TRENCHING AS WELL AS RELEASE OF ANY PUMPED GROUNDWATER IN A CONTROLLED AND
- 15. DO NOT CONSTRUCT USING DRAWINGS THAT ARE NOT MARKED "ISSUED FOR CONSTRUCTION".
- 16. CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT FOR CONSTRUCTION PURPOSES
- 17. CLAY SEALS SHALL BE INSTALLED AT A HORIZONTAL SPACING OF NO MORE THAN 100 METERS AS PER GEOTECHNICAL REPORT RECOMMENDATIONS.

- 1. ALL REINFORCED CONCRETE STORM SEWER PIPE SHALL BE IN ACCORDANCE WITH CSA A257.2(LATEST AMENDMENT). ALL NON-REINFORCED CONCRETE STORM SEWER PIPE SHALL BE IN ACCORDANCE WITH CSA A257.3(LATEST AMENDMENT). PIPE SHALL BE JOINTED WITH STD.RUBBER GASKETS AS PER CSA A257.3 (LATEST AMENDMENT).
- 2. ALL STORM SEWER TRENCH AND BEDDING SHALL BE IN ACCORDANCE WITH THE CITY OF OTTAWA STD.S6 AND S7 CLASS 'B' UNLESS OTHERWISE SPECIFIED. BEDDING AND COVER MATERIAL SHALL BE SPECIFIED BY PROJECT GEOTECHNICAL
- 3. ALL PVC STORM SEWERS ARE TO BE SDR 35 APPROVED PER C.S.A. B182.2 OR LATEST AMENDMENT, UNLESS OTHERWISE
- 4. STORM MANHOLE FRAME AND COVERS SHALL BE AS PER CITY OF OTTAWA STD. S24.1.
- 5. SUMP, FOR STORM SEWERS 900MM SHALL BE CONSTRUCTED WITH A 300MM SUMP,FOR STORM SEWER 900MM AND OVER USE BENCHING IN ACCORDANCE WITH OPSD 701.021
- 6. THE STORM SEWER CLASS HAVE BEEN DESIGNED BASED ON BEDDING CONDITIONS SPECIFIED ABOVE.WHERE THE SPECIFIED TRENCH WIDTH IS EXCEEDED, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ADDITIONAL BEDDING, A DIFFERENT TYPE OF BEDDING OR A HIGHER PIPE STRENGTH ST HIS OWN EXPENSE AND SHALL ALSO BE RESPONSIBLE FOR EXTRA TEMPORARY AND/OR PERMANENT REPAIRS MADE NECESSARY BY THE WIDENED TRENCH.
- 7. ALL STORM MANHOLES SHALL BE 1200MM DIAMETER AS PER OPSD 701.010 UNLESS OTHERWISE NOTED.
- 8. ALL CATCH BASINS SHALL BE 600MM X 600MM AS PER OPSD 705.010 UNLESS OTHERWISE NOTED.

1. ALL SANITARY SEWERS SHALL BE PVC SDR 35, IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS.

- 2. SANITARY SEWER TRENCH AND BEDDING SHALL BE AS PER CITY OF OTTAWA STD.S6 AND S7, CLASS •• •• BEDDING UNLESS OTHERWISE NOTED.
- 3. ALL SANITARY SERVICES ARE TO BE EQUIPPED WITH APPROVED BACKWATER VALVES.
- 4. SANITARY MANHOLE FRAME AND COVERS SHALL BE WATERTIGHT AS PER CITY OF OTTAWA STD.S24.1
- 5. SANITARY SEWER MANHOLES SHALL BE BENCHED AS PER OPSD 701.021.
- 6. SANITARY PRE-CAST MANHOLE SHALL BE CONSTRUCTED WITH A HIGHER PERCENTAGE OF SILICA FUME IN THE
- CONCRETE TO MAKE IT MORE DENSE AND LESS SUSCEPTIBLE TO CORROSION OR PINHOLE LEAKS.
- '. FOR SANITARY MANHOLES, DEPENDING ON THE ELEVATION OF THE GROUND WATER TABLE ,AND BASED ON THE RECOMMENDATION OF THE PROJECT GEOTECHNICAL CONSULTANT, CRETEX SEALS, OR A SIMILAR PRODUCT, SHALL BE INSTALLED IN THE PRE-CAST MANHOLE SECTION TO JUST BELOW THE MANHOLE FRAME TO PREVENT INFILTRATION.
- 9. WATERMAIN IN FILL AREAS TO CONTRACTOR SHALL PERFORM LEAKAGE TESTING, IN THE PRESENCE OF THE CONSULTANT, FOR SANITARY SEWERS IN ACCORDANCE WITH OPSS 410 AND OPSS 407.CONTRACTOR SHALL PERFORM VIDEO INSPECTION OF ALL STORM AND SANITARY SEWERS. A COPY OF THE VIDEO AND INSPECTION REPORT SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW.
- 10. IN ACCORDANCE WITH CITY OF OTTAWA STANDARD S11, SANITARY SERVICE CONNECTION REQUIRES APPROVED CONTROLLED SETTLEMENT JOINT.

WATER SUPPLY:

- ALL PVC WATERMAINS SHALL BE EQUAL TO AWWA C-900 CLASS 150, SDR 18, OR APPROVED EQUAL
- WATERMAIN TRENCH AND BEDDING AND COVER MATERIAL SHALL BE SPECIFIED BY PROJECT GEOTECHNICAL ENGINEER.
- 3. ALL PVC WATERMAINS SHALL BE INSTALLED WITH A 10 GAUGE STRANDED COPPER TWU OR RWU TRACER WIRE IN ACCORDANCE WITH CITY OF OTTAWA STD.W36.
- 4. CATHODIC PROTECTION IS REQUIRED ON ALL METALLIC FITTINGS AS PER CITY OF OTTAWA STD. W40 AND W42.
- 5. CONTRACTOR TO SUPPLY HYDRANT EXTENSION TO ADJUST THE LENGTH OF HYDRANT BARREL IF REQUIRED.
- 6. FIRE HYDRANTS SHALL BE INSTALLED AS PER CITY OF OTTAWA STD. W19, AND LOCATED AS PER CITY STD. W18.
- 7. VALVE IN BOXES SHALL BE INSTALLED AS PER CITY OF OTTAWA STD.W24,

FROM THE SEWER AS PER CITYSTD.W25.

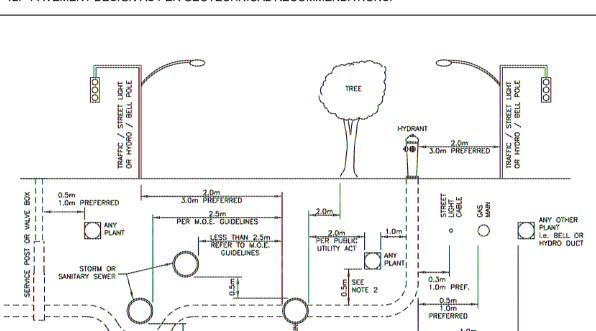
- 8. WATERMAIN IN FILL AREAS TO BE INSTALLED WITH RESTRAINED JOINTS AS PER CITY OF OTTAWA STD.W25.5 AND W25.6.
- 9. TRUST BLOCKING OF WATERMAIN TO BE INSTALLED AS PER CITY OF OTTAWA STD.W25.3 ANS W25.4.
- 10. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY CAPS, PLUGS AND BLOW-OFFS AND NOZZLES REQUIRED FOR
- TESTING AND DISINFECTION OF THE WATREMAIN.
- 11. INSULATION FOR WATERMAIN CROSSING OVER AND BELOW SEWER SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD.W25,2 AND W25,RESPECTIVELY,WHERE WATERMAIN COVER IS LESS THAN 2.4M.
- 12. AS PER CITY GUIDELINE, THE MINIMUM VERTICAL CLEARANCE BETWEEN WATERMAIN AND SEWER / UTILITY IS 0.25M FOR CROSSING OVER THE SEWER.AS PER CITY STD.W25.2. FOR CROSSING UNDER SEWER. ADEQUATE STRUCTURAL SUPPORT FOR THE SEWERS IS REQUIRED TO PREVENT EXCESSIVE DEFLECTION OF JOINTS AND SETTLINGS.THE LENGTH OF WATER PIPE SHALL BE CENTERED AT THE POINT OF CROSSING SO THAT THE JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE
- 13. CONNECTION TO EXISTING WATERMAIN TO BE PERFORMED BY CITY FORCES. CONTRACTOR TO PROVIDE LABOUR, EQUIPMENT AND MATERIAL REQUIRED FOR EXCAVATION, BEDDING AND REINSTATEMENT.
- 14. SWABBING, DISINFECTION, AND HYDROSTATIC TESTING TO BE CONDUCTED AS PER CITY OF OTTAWA STANDARDS IN THE PRESENCE OF A CITY INSPECTOR AND/OR CONSULTANT.

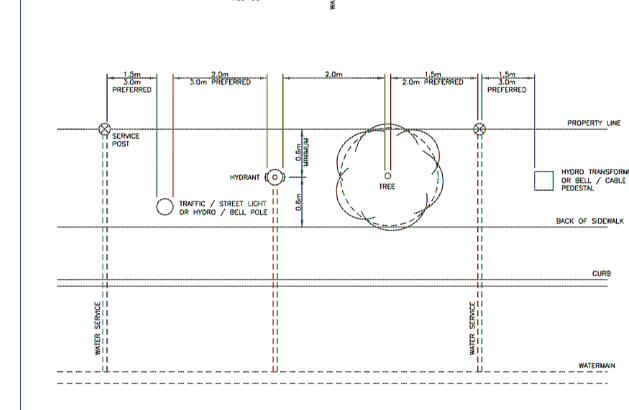
ROADWORK SPECIFICATIONS:

- 1. CONCRETE CURB SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. SC1.1 (BARRIER CURB). PROVISION SHALL BE MADE FOR CURB DEPRESSIONS AT SIDEWALKS AND
- 2. ALL BARRIER CURB TO BE 150MM ABOVE FINISHED ASPHALT GRADE UNLESS OTHERWISE

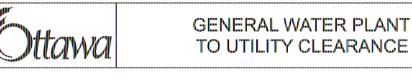
TWSIS SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF OTTAWA STD.SC7.3.

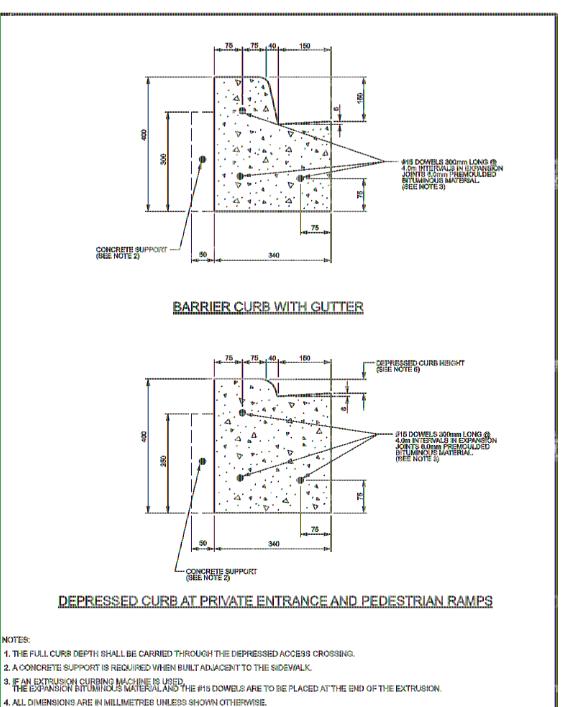
- CONCRETE SIDEWALK SHALL BE IN ACCORDANCE WITH THE CITY OF OTTAWA STD.SC1.4
- PAVEMENT REINSTATEMENT FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE WITH THE CITY OF OTTAWA STD.R10 AND OPSD 509.010,OPSS 310. 6. GRANULAR "A" SHALL BE PLACED TO A MINIMUM THICKENS OF 300MM AROUND ALL STRUCTURES WITHIN PAVEMENT AREA.
- '. ALL GRANULAR FOR ROADS SHALL BE COMPACTED TO A MINIMUM OF 98%STANDARD 8. ASPHALT WEAR COURSES SHALL NOT BE PLACED UNTIL THE VIDEO INSPECTION OF SEWERS & NECESSARY REPAIRS HAVE BEEN CARRIED OUT TO THE SATISFACTION OF THE ENGINEER.
- 9. SUB-EXCAVATE SOFT AREA AND FILL WITH GRANULAR"B" COMPACTED IN MAXIMUM 300MM 10. PEDESTRIAN CURB RAMP WITH BOULEVARD SHALL BE ACCORDANCE WITH CITY OF OTTAWA
- 11. ALL EDGES OF DISTURBED PAVEMENT SHALL BE SAW-CUT TO FROM A NEAT AND STRAIGHT
- LINE PRIOR TO PLACING NEW ASPHALT. 12. PAVEMENT DESIGN AS PER GEOTECHNICAL RECOMMENDATIONS.





. DIMENSIONS ILLUSTRATED ARE MINIMUM ACCEPTABLE CLEARANCES UNLESS OTHERWISE NOTED. 0.5m VERTICAL SEPARATION IS REQUIRED BETWEEN WATERMAINS AND OTHER UTILITY INSTALLATIONS TO ALLOW FOR PROPER BEDDING OF THE WATERMAIN AND SUFFICIENT CLEARANCE TO CONDUCT REPAIRS.





5. DUMMY JOINTS SHALL BE 25mm DEEP, FRONT, BACK AND TOP OF SECTION AT 4m SPACING OR MATCH JOINTING WHERE SIDEWALKS ADJACENT.

CONCRETE BARRIER CURB

WITH GUTTER

FOR GRANULAR BASE PAVEMENT

6. DEPRESSED CURB HEIGHT - FOR PEDESTRIAN CURB RAMPS 0 TO 6 mm AND FOR PRIVATE ENTRANCES 0 TO 13mm.

3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.

KERSTEN NITSCHE, MCIP RPP MANAGER (A), DEVELOPMENT REVIEW WEST PLANNING, DEVELOPMENT AND BUILDING SERVICES DEPARTMENT, CITY OF OTTAWA

VORTEX ICD'S ARE USED TO RESTRICT FLOWS BELOW 15L / s. The (LOWEST) RESTRICTION ALLOWED TYPICALLY IS 6L / s. PRODUCTS MAY SLIGHTLY DIFFER AS SHOWN ABOVE.

2. CURVES ARE AVAILABLE FROM THE MANUFACTURER. SEE MS - 22:15 FOR APPROVED PRODUCTS.

CONCRETE BARRIER CURB

5. DUMMY JOINTS SHALL BE 25mm DEEP, FRONT, BACK AND TOP OF SECTION AT 4m SPACING OR MATCH JOINTING WHERE SIDEWALK IS ADJACEN

CONCRETE BARRIER CURB

FOR GRANULAR BASE PAVEMENT

(MODIFIED OPSD-600.110)

PVC BASE PLATE
c/w GUIDE RAIL
ANCHORED TO CONCRETE

VORTEX ICD WITH

ODOUR/FLOATABLE CONTROL

SECTION

VORTEX ICD

INSTALLATION

JANUARY 2003

MARCH 2021

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

3. IF AN EXTRUSION CURBING MACHINE IS USED, THE EXPANSION BITUMINOUS MATERIAL AND THE #15 DOWIELS ARE TO BE PLACED AT THE END OF THE EXTRUSION.

DEPRESSED CURB HEIGHT - FOR PEDESTRIAN CURB RAMPS 0 TO 6 mm AND FOR PRIVATE ENTRANCES 0 TO 18mm.

GASKET IS TO BE SLIGHTLY COMPRESSED TO PROVIDE A WATERTIGHT SEAL

2. A CONCRETE SUPPORT IS REQUIRED WHEN BUILT ADJACENT TO THE SIDEWALK.

4. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.

B. FOR DEPRESSED CURB AT ENTRANCES USE 250.

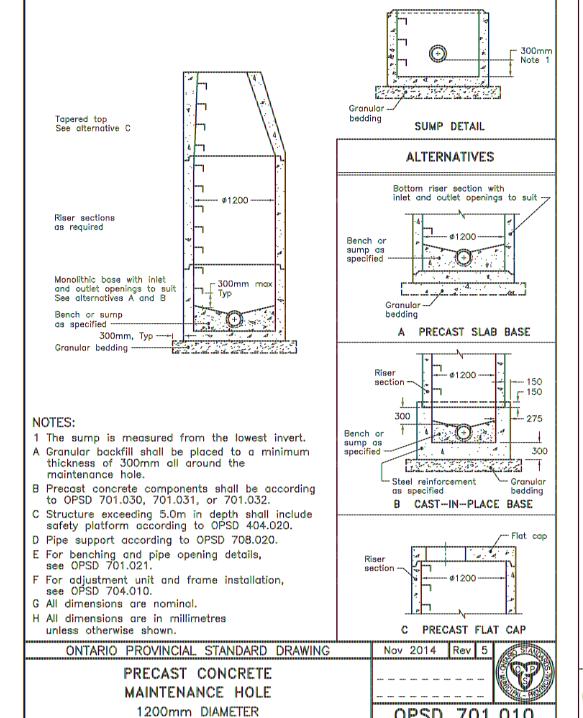
DATE: MARCH 2009

DWG. No.: R20

N.T.S.

DATE: JANUARY 2003

MARCH 2021



LONGITUDINAL SUBDRAIN CONNECTION TO CATCH BASIN

LI CONECTIONS TO BE MADE ON BOTH SIDES OF THE CATCH BASIN AND TO BE MORTARED AT THE SIDE AND OUTSIDE OF THE CATCH BASIN MALLS. THE SUBPRAIN SHALL BE PLUGGED WITH A MANUFACTURED THE CATCH BASIN MADE OF THE CATCH BASIN.

SUBDRAIN INSTALLATION DETAIL

CATCH BASIN -----

INSTALLATION OF CATCH BASIN WITH

MONOLITHIC SIDEWALK AND CURB,

BARRIER, AND DEPRESSED CURB

--- SEE NOTE #B

NTE: MARCH 2005

150 DIA. PERFORATED SUB DRAIN

SEE NOTE #1

CATCH BASIN ICD NOT SHOWN FOR CLARITY.

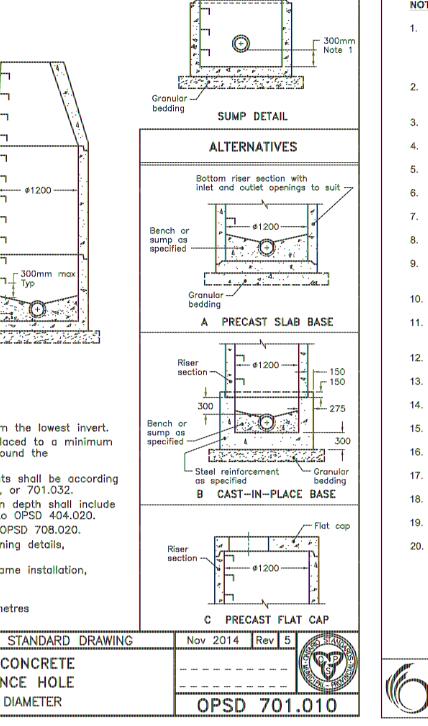
N.T.S

MARCH 2019

DATE: MARCH 2008

DWG. No.: \$4.1

By Kersten Nitsche at 1:55 pm, Jul 18, 2025



THE STANDARD ROW CROSS SECTIONS INDICATE MINIMUM DIMENSIONS THAT ARE TO BE INCORPORATED INTO THE DESIGN OF ANY NEW DEVELOPMENTS INVOLVING NEW AND EXISTING STREETS. ANY VARIATIONS TO THE STANDARD ROW CROSS SECTIONS ARE SUBJECT TO THE INFRASTRUCTURE SERVICES DEVIATION PROCESS. CONTACT THE STANDARDS UNIT AT STANDARDSSECTION@OTTAWA.CA FOR MORE INFORMATION. ALL DRAWINGS SHALL BE READ IN CONJUNCTION WITH APPLICABLE CITY STANDARDS, GUIDELINES, AND POLICES, INCLUDING COORDINATED UTILITY PLANS, GRADING PLANS AND LOCAL AREA PLANS, REFER ALSO TO UTILITY PARTNER STANDARD PLANT LOCATIONS. ALL CROSS SECTIONS MAY BE SUBJECT TO SUBSEQUENT TRAFFIC CALMING MEASURES. TO BE DETERMINED THROUGH PLAN OF SUBDIVISION OR SEPARATE TRANSPORTATION STUDIES. TYPICAL CROSS SECTION BOULEVARD WIDTH SHALL BE MAINTAINED WHEN CONSTRUCTING CUL-DE-SACS AND CORNER LOTS, REGARDLESS OF ROADWAY GEOMETRY. WATERMAINS, WATER SERVICES, AND ASSOCIATED APPURTENANCES SHALL BE CONSTRUCTED PER THE WATER DESIGN GUIDELINES. WATERMAIN AND HYDRANTS TO BE INSTALLED ON SOUTH AND EAST SIDE OF ROW, WHERE SEWERS AND SEWER SERVICES SHALL BE CONSTRUCTED PER THE SEWER DESIGN OR AS OTHERWISE DIRECTED BY THE SEWER DESIGN GUIDELINES BARRIER CURB SHALL BE USED ON ALL RESIDENTIAL ROADS WITH SINGLE FAMILY DWELLINGS. MOUNTABLE CURB MAY ONLY BE USED FOR AREAS WITH FREQUENT CURB-CUTS, SUCH AS TOWNHOME DEVELOPMENTS, WITH APPROVAL FROM THE CITY. WATER AND SEWER SERVICES SHALL BE LAID AS PER CITY STANDARD DETAIL DRAWINGS, THE COORDINATED UTILITY PLAN, AND IN COORDINATION WITH ALL OTHER ELEMENTS IN THE ROW. WHERE LOCATING WATER AND SEWER SERVICES UNDERNEATH LANDSCAPED AREAS WOULD PREVENT THE PLANTING OF A TREE, THEY MAY BE RUN UNDERNEATH THE DRIVEWAY OR OTHER HARDSCAPED AREAS. MINIMUM 1.5 M CLEARANCE, AT-GRADE, TO BE MAINTAINED AROUND WATER SERVICE POST FROM TREE, TRANSFORMER, UTILITY PEDESTAL, TRAFFIC POLE, AND STREETLIGHT. UTILITY PEDESTALS ARE TO BE GROUPED TOGETHER WITH THE HYDROELECTRIC TRANSFORMER, OR ON THE HOUSE SIDE OF THE UTILITY TRENCH. STREETLIGHT CABLE SHALL BE LOCATED IN JOINT USE TRENCH (JUT). WHERE NO JUT EXISTS, ENSURE CLEARANCES TO TREE, HYDRANTS, AND WATER SERVICE POST. TRAFFIC SIGNAL CABLE SHALL BE LOCATED IN THE JUT OR AT THE SAME OFFSET AS STREETLIGHT POLES IN A SEPARATE TRENCH. TRAFFIC COMMUNICATIONS CABLE SHALL BE LOCATED IN THE JUT OR IN A TRENCH LOCATED AT THE SAME OFFSET AS THE STREETLIGHT POLES. THE PREFERRED LOCATION FOR TRAFFIC HANDHOLES IS IN HARD SURFACES. WHEN HANDHOLES ARE PLACED IN THE BOULEVARD, A CONCRETE COLLAR SHALL BE PROVIDED. THE DEVELOPER SHALL SUPPLY AND INSTALL DUCTS FOR UTILITY CROSSINGS AT TREE PLACEMENT, NUMBER, AND SPECIES SHALL BE PER CITY POLICY, THE LANDSCAPE PLAN, COORDINATED-UTILITY-PLAN, AND THE DEVELOPMENT AGREEMENTS. 20. THE HYDRO TRANSFORMER BASE SHALL BE LOCATED A MINIMUM OF 2.0 M FROM THE DRIVEWAY EDGE.

STANDARD NOTES ROAD ALLOWANCE

CONNECTION WITHOUT VERTICAL RISER

VERTICAL RISER

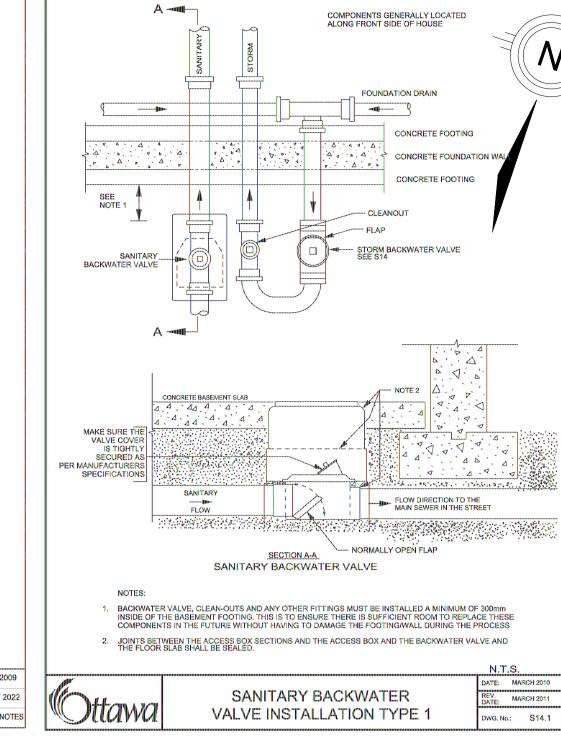
SEWER SERVICE CONNECTIONS

FOR FLEXIBLE MAIN SEWER PIPE

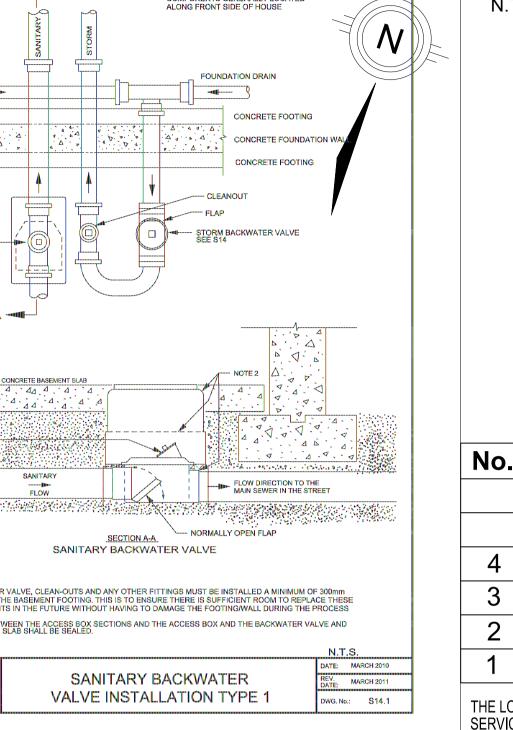
____ 150mm mi

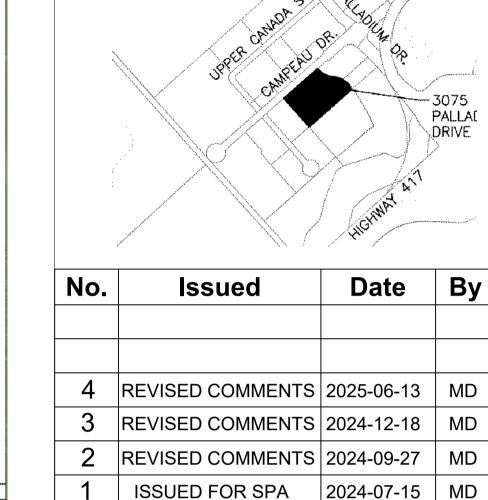
O MAIN SEWERS UP TO 5m DEEP. WHERE APPROVED,

REV: MAR 2024



— COVER AND FINAL BACKFILL (COMPACTED IN ACCORDANCE WITH D-029)





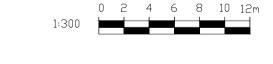
THE LOCATION OF ALL UNDER- / ABOVE-GROUND UTILITIES AND SERVICES IS APPROXIMATE ONLY AND WHERE SHOWN ON THE DRAWING(S) THE ACCURACY OF THE UTILITIES AND SERVICES IS NOT GUARANTEED. THE OWNER AND / OR HIS REPRESENTATIVE SHALL DETERMINE THE LOCATION OF ALL UTILITIES AND SERVICES BEFORE COMMENCING ANY CONSTRUCTION ACTIVITIES.

CONTRACTOR MUST CHECK & VERIFY ALL DIMENSIONS ON SITE. THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION.



222 - 7250 KEELE STREET VAUGHAN, ON. L4K 1Z8 T: (416) 578 8682 DESIGN@WPEENGINEERING.COM

SCALE BAR

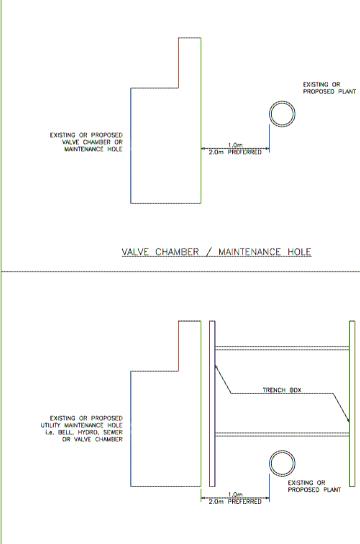


PROP. COMMERCIAL **DEVELOPMENT**

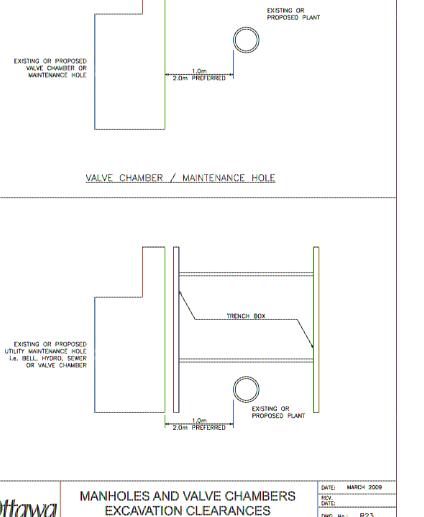
> 3075 PALLADIUM DRIVE CITY OF OTTAWA **NOTES & DETAILS**

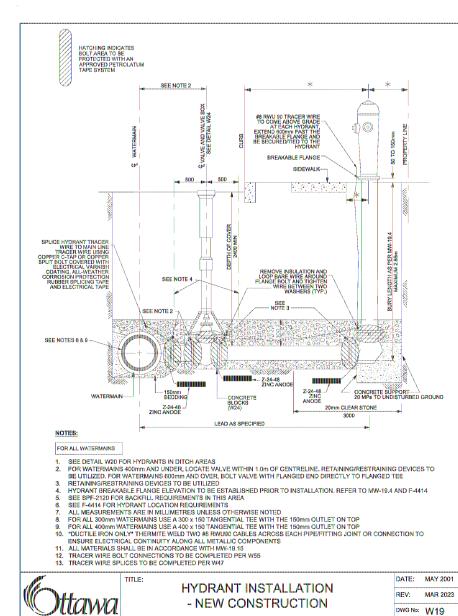
CITY FILE NO.D07-12-24-0076

Design F.T.	Scale N.T.S
Checked Z.D	Date 2024-06-24
Project No.	Drawing No.
2034	C-06



PIPE SPRINGLINE





— PIPE BEDDING AND HAUNCHING MATERIAL TO BE GRANULAR 'A' (COMPACTED IN ACCORDANCE WITH D-029

FINAL BACKFILL - APPROVED NATIVE MATERIAL OR SELECT SUBGRADE IN ACCORDANCE WITH F-2420

LL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE. NITIAL BACKFILL MATERIAL, CONCRETE PIPE - GRANULAR 'A', GRANULAR 'B', OR SELECT SUBGRADE MATERIAL WITH 100% PASSING THE 37.5 mm SIEVE PVC PIPE - GRANULAR 'V.

(SEWER & SEWER SERVICES)