

NOTES: GENERAL

- DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL AND LANDSCAPE DRAWINGS.
- ALL SERVICES, MATERIALS, CONSTRUCTION METHODS AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE CITY OF OTTAWA STANDARD SPECIFICATIONS AND DRAWINGS OR ANY OTHER PROVINCIAL, FEDERAL, MUNICIPAL OR OTHER APPLICABLE STANDARDS OR REGULATIONS. DRAWINGS SHALL BE IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE CITY OF OTTAWA STANDARD SPECIFICATIONS AND DRAWINGS UNLESS OTHERWISE SPECIFIED TO THE SATISFACTION OF THE CITY AND THE CONSULTANT.
- THE POSITION OF EXISTING POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND UTILITIES, STRUCTURES AND SERVICES SHALL BE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWING, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES AND STRUCTURES TO THEM DURING THE COURSE OF CONSTRUCTION, ANY RELOCATION OF EXISTING UTILITIES REQUIRED BY THE DEVELOPER SHALL BE AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR MUST NOTIFY ALL EXISTING UTILITY COMPANY OFFICIALS FIVE (5) BUSINESS DAYS PRIOR TO START OF CONSTRUCTION AND HAVE ALL EXISTING UTILITIES AND SERVICES LOCATED IN THE FIELD OR EXPOSED PRIOR TO THE START OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO HYDRO, BELL, CABLE TV, AND CONSUMER GAS LINES.
- ALL TRENCHING AND EXCAVATIONS TO BE IN ACCORDANCE WITH THE LATEST REVISIONS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS AND AS PER THE RECOMMENDATIONS INCLUDED IN THE GEOTECHNICAL REPORT.
- REFER TO ARCHITECT'S PLAN FOR BUILDING DIMENSIONS, LAYOUT AND FINISHES. REFER TO LANDSCAPE PLAN FOR LANDSCAPING DETAILS AND OTHER RELEVANT INFORMATION. ALL INFORMATION SHALL BE CONFIRMED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- TOPOGRAPHIC SURVEY COMPLETED AND PROVIDED BY ANNIS, O'SULLIVAN, VOLLEBECK LTD. DATED ON FEBRUARY 10, 2020. CONTRACTOR TO VERIFY IN THE FIELD PRIOR TO CONSTRUCTION OF ANY WORK AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- ALL ELEVATIONS ARE GEODETIC AND UTILITY METRO UNITS. VERIFY THAT JOB REVISIONS HAVE NOT BEEN ALTERED.
- ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED SWALE OR CATCH BASIN OUTLETS ARE PROVIDED.
- ALL EDGES OF DISTURBED PAVED SHALL BE SAW CUT TO FORM A NEAT AND STRAIGHT LINE PRIOR TO PLACING NEW PAVEMENT. PAVEMENT RESTRAINT SHALL BE WITH STEEP JOINTS OF 50mm MINIMUM.
- ALL DISTURBED AREAS OUTSIDE PROPOSED GRADING LIMITS TO BE RESTORED TO ORIGINAL ELEVATION AND SPECIFICATIONS. ALL RESTORATION SHALL BE COMPLETED WITH THE GEOTECHNICAL REQUIREMENTS FOR BACKFILL AND COMPACTION.
- ADJUTING PROPERTY GRADES TO BE MATCHED UNLESS OTHERWISE SHOWN.
- CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE MUNICIPAL AUTHORITIES PRIOR TO COMMENCING CONSTRUCTION.
- MINIMIZE DISTURBANCE TO EXISTING VEGETATION DURING THE EXECUTION OF ALL WORKS.
- REMOVE FROM SITE ALL EXCESS EXCAVATED MATERIAL UNLESS OTHERWISE DIRECTED FROM THE ENGINEER. REMOVE ALL DEBRIS, STORM SEWER MATERIAL AND DEBRIS LOCATED WITHIN THE PROPOSED BLOCK, PARKING AND ROADWAY LOCATIONS.
- AT PROPOSED UTILITY CONNECTION POINTS AND CROSSINGS (IE. STORM SEWER, SANITARY SEWER, WATER, ETC.) THE CONTRACTOR SHALL DETERMINE THE PRECISE LOCATION AND DEPTH OF EXISTING UTILITIES AND REPORT ANY DISCREPANCIES OR CONFLICTS TO THE ENGINEER BEFORE COMMENCING WORK.
- CONTRACTOR TO OBTAIN POST-CONSTRUCTION TOPOGRAPHIC SURVEY, COMPLETED BY O.S. OR FENS, CONFORMING COMPLIANCE WITH DESIGN GRADING AND SERVICES SURVEY IS TO INCLUDE LOCATION AND INVERTS FOR BURIED UTILITIES.
- ABIDE BY RECOMMENDATIONS OF GEOTECHNICAL REPORT. REPORT ANY VARIATIONS OR OBSERVE CONDITIONS FROM THOSE INCLUDED IN REPORT.
- REPORT REFERRED TO:
 1. ENVIRONMENTAL MANAGEMENT REPORT, PREPARED BY YURI MENDEZ INC. NO. 201-03048-00, NOVEMBER 27, 2020
 2. SUBSURFACE INVESTIGATION ADDENDUM 1, PREPARED BY YURI MENDEZ ENGINEERING, REPORT NO. 44-884RRL, JULY 13, 2020
 3. SUBSURFACE INVESTIGATION ADDENDUM 2, PREPARED BY YURI MENDEZ ENGINEERING, MEMO NO. 6101-CAMPAU-1ME-01, AUGUST 24, 2020
 4. SUBSURFACE INVESTIGATION ADDENDUM 2, PREPARED BY YURI MENDEZ ENGINEERING, MEMO NO. 6101-CAMPAU-1ME-02, NOVEMBER 24, 2020

NOTES: EROSION AND SEDIMENT CONTROL

- * CONTRACTOR IS RESPONSIBLE FOR ALL INSTALLATION, MONITORING, REPAIR AND REMOVAL, OF ALL EROSION AND SEDIMENT CONTROL FEATURES, AND MEETING ASSOCIATED LEED REQUIREMENT *
- PRIOR TO START OF CONSTRUCTION:
 - INSTALL SILT FENCE IN LOCATION SHOWN ON DWG C08 AND C09.
 - INSTALL SILT SOCKS/FILTERS IN ALL CATCHBASINS AND MANHOLES TO REMAIN DURING CONSTRUCTION WITHIN THE SITE (SEE TYPICAL DETAILS).
 - INSPECT MEASURES IMMEDIATELY AFTER INSTALLATION.
 - DURING CONSTRUCTION:
 - MINIMIZE THE EXTENT OF DISTURBED AREAS AND THE DURATION OF EXPOSURE AND IMPACT TO EXISTING GRADING.
 - PERMETER FENCING TO REMAIN IN PLACE UNTIL PERMANENT STORM WATER MANAGEMENT IS IN PLACE. OTHERWISE, IMMEDIATELY INSTALL SILT FENCE WHEN THE EXISTING SITE IS DISTURBED AT THE PERMETER.
 - PROTECT DISTURBED AREAS FROM OVERLAND FLOW BY PROVIDING TEMPORARY BARRIERS TO THE SATISFACTION OF THE FIELD ENGINEER. REPAIR TEMPORARY BARRIERS IMMEDIATELY AFTER INSPECTION.
 - PROVIDE TEMPORARY COVER SUCH AS SEEDING OR MULCHING IF DISTURBED AREAS WILL NOT BE REHABILITATED WITHIN 30 DAYS.
 - INSPECT SILT FENCES, FILTER FABRIC FILTERS AND CATCH BASIN SUMPERS WEEKLY AND WITHIN 24 HOURS AFTER A STORM EVENT. CLEAN AND REPAIR WHEN NECESSARY.
 - DRAWING TO BE REVISED AND RE-USED AS REQUIRED DURING CONSTRUCTION. EROSION CONTROL FENCING TO BE ALSO INSTALLED AROUND THE BASE OF ALL STRUCTORS.
 - DO NOT LOCATE TOPSOIL PILES AND EXCAVATION MATERIAL CLOSER THAN 25m FROM ANY PAVED SURFACE, OR ONE WHICH IS TO BE PAVED BEFORE THE PILE IS REMOVED. ALL TOPSOIL PILES ARE TO BE SEEDED IF THEY ARE TO REMAIN ON SITE LONG ENOUGH FOR SEEDS TO TAKE.
 - CONTRACTOR WHO-DOWN DIRT OFF SITE BY SEEDING TOPSOIL PILES AND OTHER AREAS. REPAIR AND PROTECT MATERIALS AS REQUIRED AND TO THE SATISFACTION OF THE ENGINEER.
 - NO ALTERATIVE METHODS OF EROSION PROTECTION SHALL BE PERMITTED UNLESS APPROVED BY THE FIELD ENGINEER.
 - CITY, ROADWAY AND SIDEWALKS TO BE CLEANED OF ALL SEDIMENT FROM VEHICULAR TRACKING AS REQUIRED.
 - DURING WET CONDITIONS, TRES OF ALL VEHICLES/EQUIPMENT LEAVING THE SITE ARE TO BE SCRAPED.
 - ANY MATERIALS TRACKED ONTO THE ROAD SHALL BE REMOVED IMMEDIATELY BY HAND OR RUBBER TIRE LOADER.
 - TAKE ALL NECESSARY STEPS TO PREVENT BUILDING MATERIAL, CONSTRUCTION DEBRIS OR WASTE BEING DRILLED OR TRACKED ONTO ADJUTING PROPERTIES OR PUBLIC STREETS DURING CONSTRUCTION AND PROCEED IMMEDIATELY TO CLEAN UP ANY AREAS SO AFFECTED.
 - ALL EROSION CONTROL STRUCTURE TO REMAIN IN PLACE UNTIL ALL DISTURBED GROUND SURFACES HAVE BEEN STABILIZED EITHER BY PAVING OR RESTORATION OF VEGETATIVE GROUND COVER.
 - THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES TO PROVIDE 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 AGENCY.

NOTES: WATERMAIN

- ALL WATERMAIN AND WATERMAIN APPURTENANCES MATERIALS, CONSTRUCTION AND TESTING METHODS SHALL CONFORM TO THE CURRENT CITY OF OTTAWA AND MINISTRY OF ENVIRONMENT STANDARDS AND SPECIFICATIONS.
- ALL WATERMAIN 200mm DIAMETER AND SMALLER TO BE POLY VINYL CHLORIDE (PVC) CLASS 150 OR IN MEETING MINWA SPECIFICATION C002.
- ALL WATERMAIN TO BE INSTALLED AT MINIMUM COVER OF 2.1M BELOW FINISHED GROUND SURFACE. EXISTING WATERMANS CROSS OVER OTHER UTILITIES, A CROSS UNDER OTHER UTILITIES, A MINIMUM 0.5m CLEARANCE SHALL BE MAINTAINED WHERE NECESSARY. WHERE NECESSARY, THE WATERMAIN SHALL BE INSTALLED AS PER CITY OF OTTAWA STANDARDS W05 AND W06. WHERE NECESSARY, THE WATERMAIN SHALL BE INSTALLED AS PER CITY OF OTTAWA STANDARDS W02. INSULATION SHALL BE PROVIDED AS PER CITY OF OTTAWA STANDARD W02. INSULATION SHALL BE PROVIDED AS PER CITY OF OTTAWA STANDARD W02 AND W01.
- CONCRETE THRUST BLOCKS AND MECHANICAL RESTRAINTS ARE TO BE INSTALLED AT ALL TEES, BENDS, HYDRANTS, REDUCERS, ENDS OF MAINS AND CONNECTIONS 100mm AND LARGER, IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS W03.3 & W03.4.
- CATCHBASK PROTECTION REQUIRED FOR ALL RION FITTINGS AS PER CITY OF OTTAWA STANDARD W04 & W02.
- ALL VALVES AND VALVE BOXES AND CHAMBERS, HYDRANTS, AND HYDRANT VALVES AND ASSEMBLIES SHALL BE INSTALLED AS PER CITY OF OTTAWA STANDARD.
- FIRE HYDRANT LOCATION AND INSTALLATION AS PER CITY OF OTTAWA STANDARD W18 & W19. CONTRACTOR TO PROVIDE FLOW TEST AND PAINTING OF NEW HYDRANT IN ACCORDANCE WITH CITY STANDARDS.
- IF WATER MAIN MUST BE DEFLECTED TO MEET ALIGNMENT, ENSURE THAT THE AMOUNT OF DEFLECTION USED IS LESS THAN HALF THAT RECOMMENDED BY THE MANUFACTURER.

NOTES: SANITARY SEWER AND MANHOLES

- ALL SANITARY SEWER, SANITARY SEWER APPURTENANCES AND CONSTRUCTION METHODS SHALL CONFORM TO THE CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS. PROVIDE CITY INSPECTION REPORTS FOR ALL NEW SANITARY PIPING. PROVIDE DYE TESTING FOR NEW SERVICES.
- SANITARY SEWER PIPE SIZE 150mm DIAMETER AND GREATER TO BE PVC SDR-35 (UNLESS SPECIFIED OTHERWISE) WITH RUBBER GASKET JOINTS IN CONFORMANCE WITH C8-1302.2.4.
- SEWER BEDDING AS PER CITY OF OTTAWA DETAIL S6.
- MAINTAINANCE HOLE SCHEDULING AND PIPE OPENING ALTERNATIVES AS PER THE OPS107.011
- ANY SANITARY SEWER WITH LESS THAN 2.5m COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD W22, OR APPROVED BY THE ENGINEER.

PAVEMENT STRUCTURE - HEAVY DUTY

COURSE	MATERIAL	THICKNESS
SURFACE	HAL OR SUPERPAVE 12/AC	75mm
BASE/COURSE	CPES GRANULAR W	150mm
SUBBASE	CPES GRANULAR S/TYPE I	400mm

PAVEMENT STRUCTURE - PARKING AREAS

COURSE	MATERIAL	THICKNESS
SURFACE	HAL OR SUPERPAVE 12/AC	50mm
BASE/COURSE	CPES GRANULAR W	150mm
SUBBASE	CPES GRANULAR S/TYPE I	300mm

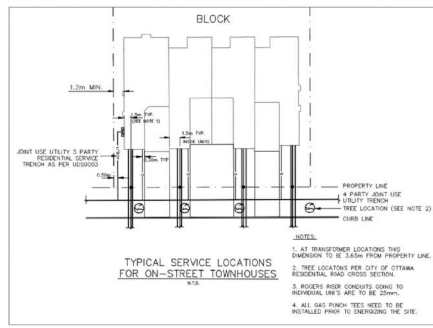
NOTE: REFER TO THE SUBSURFACE INVESTIGATION REPORT (PREVIOUSLY SUBMITTED TO ENGINEERING) REPORT NO. 44-884RRL, JULY 13, 2020.

NOTES: STORM SEWERS AND STRUCTURES

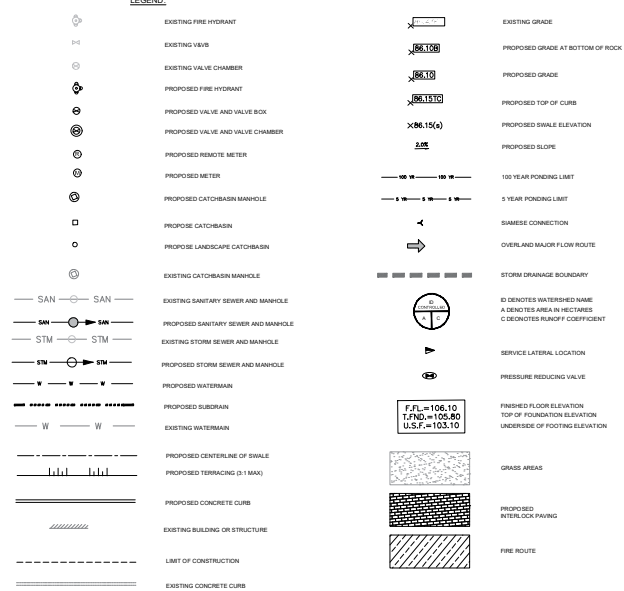
- ALL STORM SEWER MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO THE CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS. PROVIDE CITY INSPECTION REPORTS FOR ALL NEW STORM SEWERS, SERVICES AND CB LEADS.
- STORM SEWERS 450mm DIAMETER AND SMALLER TO BE PVC SDR-35, WITH RUBBER GASKET PER C8-1027.3.
- SEWER BEDDING AS PER CITY OF OTTAWA DETAIL S6.
- ALL STORM MANHOLES 1200mm IN DIAMETER TO BE AS PER OPS107.011. FRAME AND COVER TO BE AS PER CITY OF OTTAWA STANDARDS W05 AND W06. WHERE NECESSARY, THE MANHOLE SHALL BE INSTALLED AS PER CITY OF OTTAWA STANDARDS W02. INSULATION SHALL BE PROVIDED AS PER CITY OF OTTAWA STANDARD W02. INSULATION SHALL BE PROVIDED AS PER CITY OF OTTAWA STANDARD W02 AND W01.
- ANY NEW OR EXISTING STORM SEWER WITH LESS THAN 2m COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD W22, OR APPROVED BY THE ENGINEER AND INSULATION ABOVE EXISTING STORM SEWER BETWEEN EXISTING STAM01 AND 081.
- CB IN LANDSCAPE AREAS SHALL BE AS PER CITY OF OTTAWA STANDARD S31.
- ALL CATCHBASIN LEADS TO BE MINIMUM 200mm DIAMETER AT MINIMUM 10% SLOPE UNLESS OTHERWISE SPECIFIED.
- STORM CATCHBASINS AS PER OPS107.010 AND FRAME/COVER AS PER CITY STANDARD DRAWINGS S19. STORM CBMS AS INDICATED IN TABLE WITH DUMP AND FRAME/COVER AS PER OPS107.010 TYPE B. SANITARY MBMS AS PER OPS107.010 TYPE A. ADJUSTMENT SECTIONS SHALL BE AS PER OPS107.010.
- INSTALLATION OF FLOW CONTROL CDS TO BE VERIFIED BY QUALITY VERIFICATION ENGINEER RETAINED BY CONTRACTOR.

NOTES: SERVICES LATERALS

- NO SERVICE LATERALS ARE TO BE DIRECTLY CONNECTED TO A MANHOLE.
- BACKWATER VALVES FOR SERVICES ARE TO BE PROVIDED AS PER CITY OF OTTAWA STANDARD S14, S14.1 AND S14.2.
- SERVICE LATERALS THAT HAVE INSUFFICIENT COVER ARE TO BE THERMAL INSULATED AS PER CITY OF OTTAWA STANDARD W22.
- SERVICE LATERALS IN PROXIMITY TO OPEN STRUCTURES ARE TO BE INSULATED AS PER CITY OF OTTAWA STANDARD W23.
- SIZE FOR THE SERVICE LATERALS:
 STM 100mm
 SAN 150mm
 WAT 190mm
- REFER TO DRAWING C01A FOR TYPICAL SERVICE LATERAL LOCATION FOR TOWNHOUSE.



LEGEND



GENERAL NOTES

THE ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THE PLANS, SPECIFICATIONS AND THE DESIGN INTENT. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE OR OTHER FAILURE TO OBTAIN OR FOLLOW THE ENGINEER'S GUIDANCE WITH RESPECT TO ANY DESIGN, OMISSIONS, INCONSISTENCIES, AMBIGUITIES OR CONFLICTS WHICH ARE ALLEGED.

CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS.



REVISIONS

No.	REVISIONS	BY	DATE
01	ISSUED FOR SPA	D.Y.	2022-12-04
02	REVISED ALL PER CITY-COMMENTS	D.Y.	2021-05-28
03	REVISED ALL PER CITY-COMMENTS	D.Y.	2021-05-28
04	REVISED ALL PER CITY-COMMENTS	D.Y.	2021-11-09
05	REVISED ALL PER CITY-COMMENTS	D.Y.	2021-08-20
06	REVISED ALL PER CITY-COMMENTS	D.Y.	2021-05-28
07	ISSUED FOR SPA	D.Y.	2022-12-04

RE-ISSUED FOR TENDER: D.Y. 2022-04-28
 REVISED PER CITY-COMMENTS: D.Y. 2022-04-28
 ISSUED FOR TENDER: D.Y. 2022-04-28
 REVISED PER CITY-COMMENTS: D.Y. 2022-04-28
 REVISED ALL PER CITY-COMMENTS: D.Y. 2021-11-09
 REVISED ALL PER CITY-COMMENTS: D.Y. 2021-08-20
 REVISED ALL PER CITY-COMMENTS: D.Y. 2021-05-28
 ISSUED FOR SPA: D.Y. 2022-12-04

NO. REVISIONS BY DATE

HORIZONTAL SCALE: 1" = 100'

VERTICAL SCALE: 1" = 10'

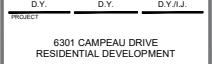
DISTANCES SHOWN ON THIS PLAN ARE IN METERS AND CAN BE CONVERTED TO FEET BY DIVIDING BY 3.2808



NOT IN BUSINESS SIGNED AND DATED



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DESIGNED BY: D.Y. DRAWN BY: D.Y. APPROVED BY: D.Y./J.

PROJECT: 6301 CAMPEAU DRIVE RESIDENTIAL DEVELOPMENT

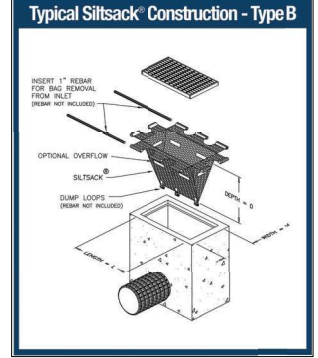
DRAWING TITLE: NOTES AND DETAILS

PROJECT NO: 201-03048-00 DRAWING NO: C01A

APPROVED
 By Allison Hamlin at 7:27 pm, Sep 26, 2022

Allison Hamlin

ALLISON HAMLIN
 MANAGER (A), DEVELOPMENT REVIEW WEST
 PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT
 DEPARTMENT, CITY OF OTTAWA



DATE PLOTTED: 2022/09/26 10:52:00 AM; PLOT: C:\p\campeau\res\dwg\c01a.dwg; PLOTTER: HP DesignJet 500; PLOT SCALE: 1:1

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