



INFRASTRUCTURE SERVICES
DESIGN AND CONSTRUCTION

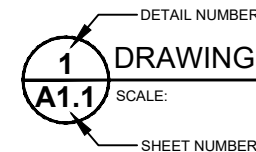
SERVICES D'INFRASTRUCTURE
DIRECTION DE CONCEPTION ET DE CONSTRUCTION

FOR / POUR

Client - Department
Infrastructure and Water Services Department
Design & Construction

6			
5	ISSUED FOR SITE PLAN CONTROL REV-2	2606/00	R.I. / Z.B.
4	ISSUED FOR DEMOLITION TENDER	2606/13	R.I. / Z.B.
3	ISSUED FOR 90% REVIEW / PERMIT	2606/26	R.I. / Z.B.
2	ISSUED FOR 60%	2604/17	R.I. / Z.B.
1	ISSUED FOR SITE PLAN CONTROL REV-1	2604/14	R.I. / Z.B.
NUMBERS / NUMÉROS	MILESTONE / FAT SAILLANT	DATE: (Y/M/D)	INITIALS / INITIALES

ISSUED BY / CONCÉDÉ PAR	DESIGNED BY / VÉRIFIÉ PAR
ZACH BAUMAN	ALI SAMMOUR
DRAWN BY / DÉSSINÉ PAR	SCALE / ÉCHELLE
RAFAT ISMAIL	1:250



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CE DESSIN CONSTITUE LA PROPRIÉTÉ DE LA VILLE D'OTTAWA ET TOUT DROIT D'AUTEUR EST RÉSERVÉ. LES DIMENSIONS UTILISÉES LE SONT À DES FINS D'ESTIMATION SEULEMENT. IL INCOMBE À CHAQUE ENTREPRENEUR, SOUS-CONTRACTANT OU CONSULTANT DE VÉRIFIER TOUTES LES DIMENSIONS ET LES CONDITIONS SUR LE CHANTIER. VEUILLEZ INFORMER LE PROPRIÉTAIRE DE TOUTE ERREUR OU OMISSION AVANT D'ENTAMER LES TRAVAUX. NE DRESSEZ PAS LES PLANS À L'ÉCHELLE.

ARCHITECT / ARCHITECTE	CONSULTANT / EXPERT-CONSEIL

CONSULTANT / EXPERT-CONSEIL	CONSULTANT / EXPERT-CONSEIL
LICENSED PROFESSIONAL ENGINEER Z. E. BAUMAN 100578796 August 20, 2026 PROVINCE OF ONTARIO	LICENSED PROFESSIONAL ENGINEER ALI SAMMOUR 100227665 August 20, 2026 PROVINCE OF ONTARIO

PROJECT / LOCATION / PROJET / ENDROIT

ALEXANDER COMMUNITY
CENTRE EXPANSION

960 Silver Street
OTTAWA, ONTARIO

DRAWING / DESSIN

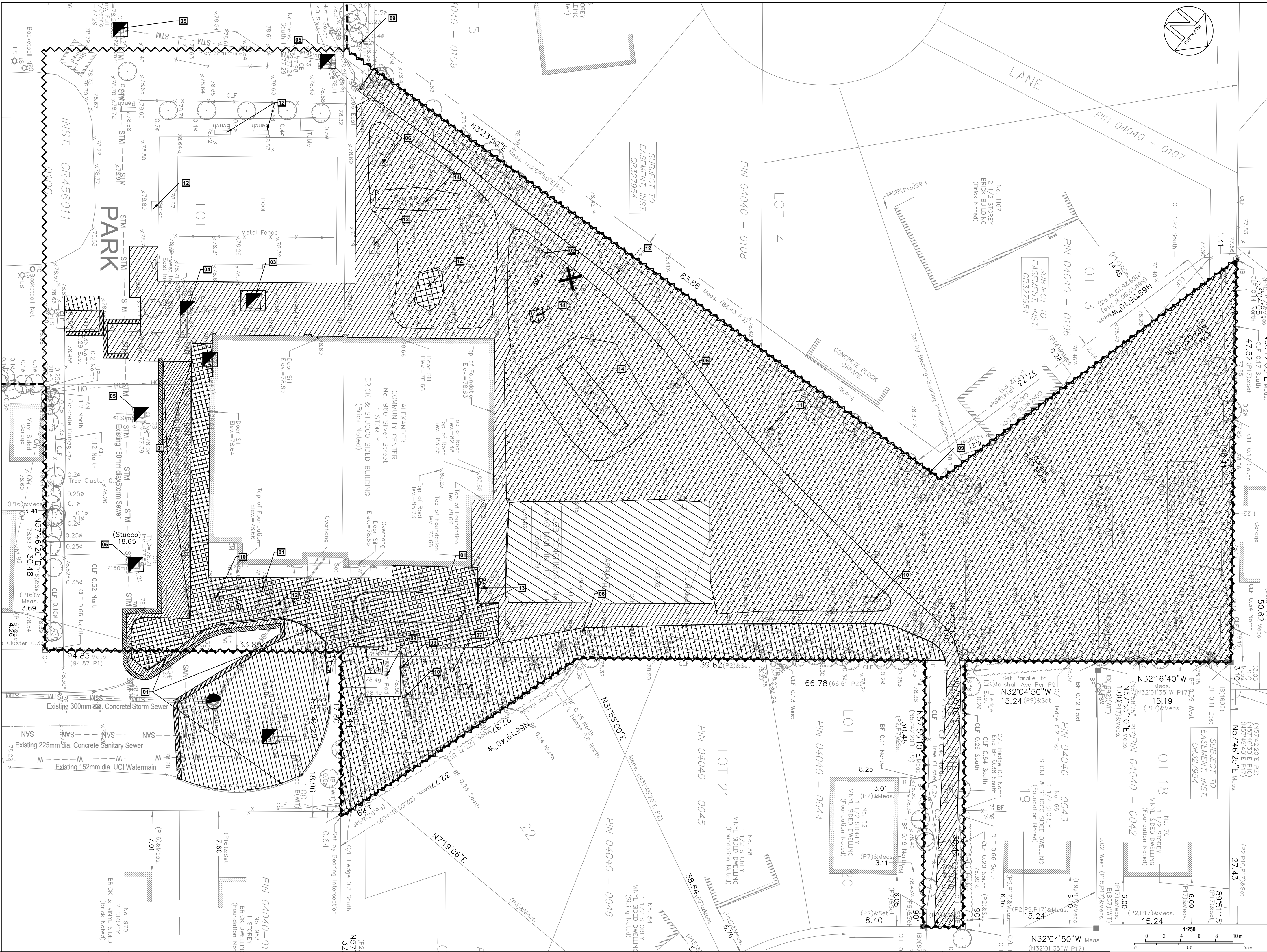
SITE REMOVALS PLAN

BUSINESS ENTITY / NUMÉRO DE L'ENTITÉ BUILDING NUMBER / NUMÉRO DU BÂTIMENT	SHEET NO. / FEUILLE NO.
CITY PROJECT NO. / NOUMÉRO DE PROJET CF001822	CONS. PROJECT NO. / NUMÉRO DE PROJET 25-1170A
	C.00

REMOVALS
FULL DEPTH ASPHALT REMOVAL (ROADWAY, DRIVEWAY, SIDEWALK)
50mm ASPHALT MILLING
CONCRETE REMOVAL (SIDEWALK, ROADWAY, DRIVEWAY)
CLEARING, GRUBBING, TOPSOIL STRIPPING, EARTH REMOVAL
REMOVAL ITEM (PIPE, CURB, ETC.)
REMOVAL ITEM (STRUCTURE, POST, ETC.)
ITEMS TO REMAIN AND BE PROTECTED DURING CONSTRUCTION

- GENERAL NOTES
- REFER TO LANDSCAPE DRAWINGS FOR TREE REMOVALS, TREES TO REMAIN, AND TREE PROTECTION DETAILS.
 - REFER TO ARCHITECTURAL DRAWINGS D1.01 AND D1.02 FOR ADDITIONAL SITE REMOVALS.
 - REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL EXTENTS OF ELECTRICAL SITE REMOVALS.
 - DESIGN AND CONSTRUCTION IS TO BE IN ACCORDANCE WITH MOST RECENT ONTARIO BUILDING CODE.
 - THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND VERIFYING ALL DIMENSIONS WITH RESPECT TO SITE CONDITIONS AND ALL MATERIALS TO THE PROJECT. ANY DISCREPANCY SHALL BE REPORTED TO THE ENGINEER.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL MATERIAL RELEVANT TO THE PROJECT.
 - ADDITIONAL DRAWINGS MAY BE ISSUED FOR CLARIFICATION TO ASSIST PROPER EXECUTION OF WORK. SUCH DRAWINGS WILL HAVE THE SAME MEANING AND INTENT AS IF THEY WERE INCLUDED WITH THE CONTRACT DOCUMENTS.
 - CONTRACTOR MUST COMPLY WITH LOCAL BY-LAWS, ONTARIO OCCUPATIONAL HEALTH AND SAFETY ACT AND ALL REGULATIONS SET BY AUTHORITIES HAVING JURISDICTION. IN CASE OF CONFLICT OR DISCREPANCY, THE MORE STRINGENT REQUIREMENTS SHALL APPLY.
 - CONTRACTOR RESPONSIBLE FOR OBTAINING ALL REQUIRED UTILITY LOCATES, DAYLIGHTING, INSPECTIONS, PERMITS, AND APPROVALS, INCLUDING ALL ASSOCIATED COSTS. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY AND BASED ON BEST AVAILABLE INFORMATION.

- DRAWING NOTES
- REMOVE EXISTING CURB TO FACILITATE NEW SIDEWALK AND CONCRETE WORKS.
 - REMOVE EXISTING CATCH BASIN AND CATCH BASIN LEAD. PROVIDE WATERTIGHT CONNECTION AT EXISTING CATCH BASIN TO REMAIN.
 - EXISTING STORM MANHOLE AND CONCRETE PAD TO REMAIN AND BE PROTECTED DURING CONSTRUCTION.
 - EXISTING SANITARY MANHOLE TO REMAIN AND BE PROTECTED DURING CONSTRUCTION.
 - EXISTING CATCH BASIN TO REMAIN AND BE PROTECTED DURING CONSTRUCTION.
 - EXISTING LIGHT STANDARD TO BE REMOVED, REFER TO ELECTRICAL.
 - EXISTING HYDRO TRANSFORMER AND CONCRETE PAD TO REMAIN.
 - EXISTING BIKE RACK AND CONCRETE PAD TO REMAIN.
 - EXISTING UTILITY POLE TO REMAIN.
 - EXISTING LIGHT STANDARD HEAD TO BE REMOVED AND REPLACED, REFER TO ELECTRICAL.
 - EXISTING UTILITY POLE TO BE REMOVED.
 - EXISTING BENCH TO BE REMOVED / RELOCATED, REFER TO LANDSCAPE DRAWINGS.
 - REMOVE / RELOCATE EXISTING CONCRETE PLANTER.
 - EXISTING PLAYGROUND EQUIPMENT TO BE REMOVED / RELOCATED, REFER TO LANDSCAPE DRAWINGS.

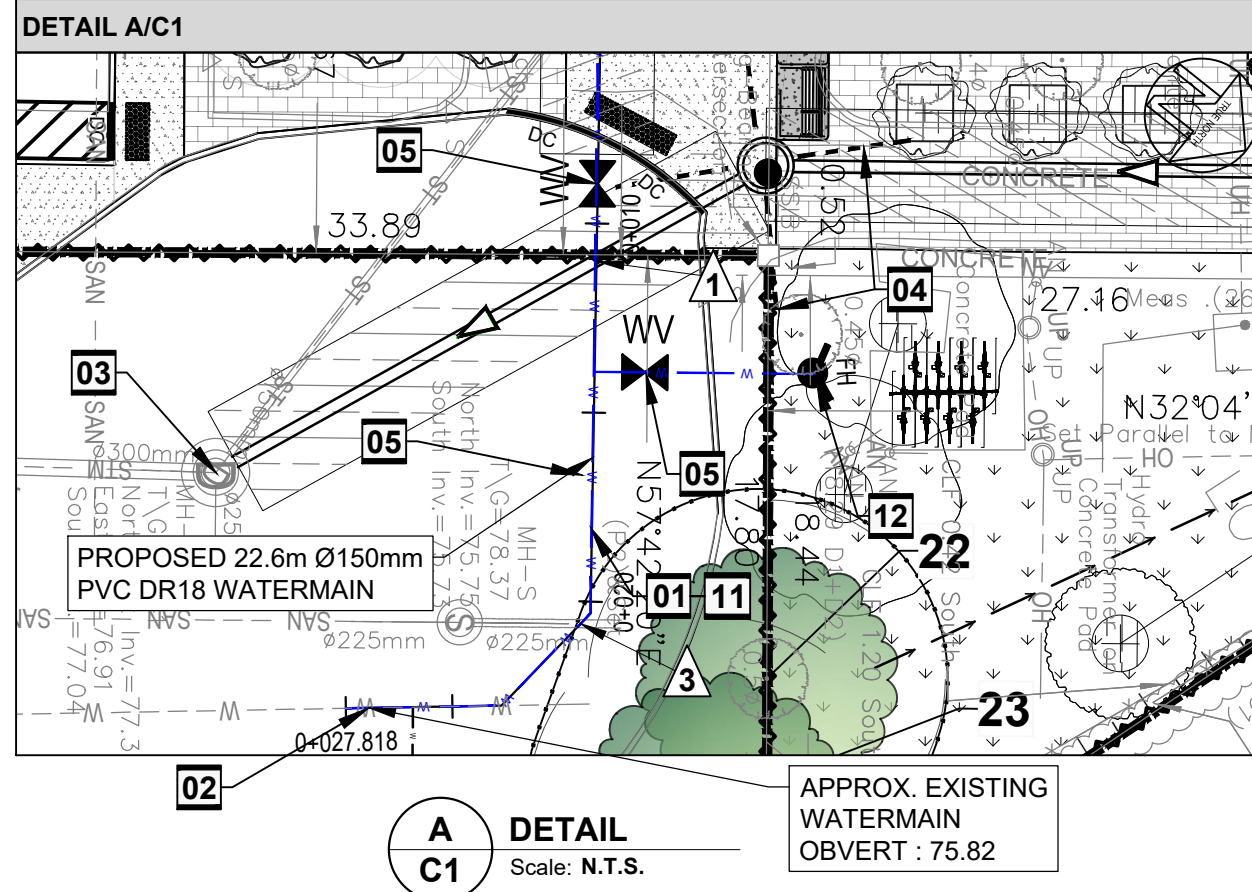


LEGEND	
	PROPERTY LINE
	NEW BUILDING
	DEPRESSED CURB
	BREAK OF SLOPE - NEW
	EXISTING SANITARY SEWER
	EXISTING STORM SEWER
	EXISTING WATERMAIN
	EXISTING FENCE
	NEW STORM SEWER
	NEW WATERMAIN
	NEW PROPOSED SWALE
	NEW PERIMETER FOUNDATION DRAINAGE
	NEW LIGHT DUTY ASPHALT AS PER DETAIL 1 / C3
	NEW HEAVY DUTY ASPHALT AS PER DETAIL 2 / C3
	NEW CONCRETE PATHWAY
	MILLING & OVERLAY 50mm THICK HEAVY DUTY ASPHALT AS PER DETAIL 3 / C3
	NEW PRECAST PAVERS (SEE LANDSCAPE)
	NEW ASPHALT PATHWAY AS PER DETAIL SC20
	100mm TOPSOIL AND SOD
	HIGH LOAD RIGID INSULATION AS PER CITY DETAIL S35

LEGEND CONTINUED	
	NEW CONCRETE CURB
	EXISTING CONCRETE CURB
	EXISTING CATCHBASIN
	EXISTING STORM MANHOLE
	EXISTING SANITARY MANHOLE
	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE
	EXISTING LIGHT STANDARD
	NEW CATCHBASIN
	NEW STORM MANHOLE / CATCHBASIN MANHOLE
	NEW REAR YARD CATCH BASIN
	NEW FIRE HYDRANT
	NEW WATER VALVE
	NEW INLET CONTROL DEVICE
	NEW SCUPPER AT 150mm ABOVE ROOF DRAIN LEVEL
	SEWER FLOW DIRECTION
	BUILDING ENTRANCE
	SEE SHEET NUMBER "C3"

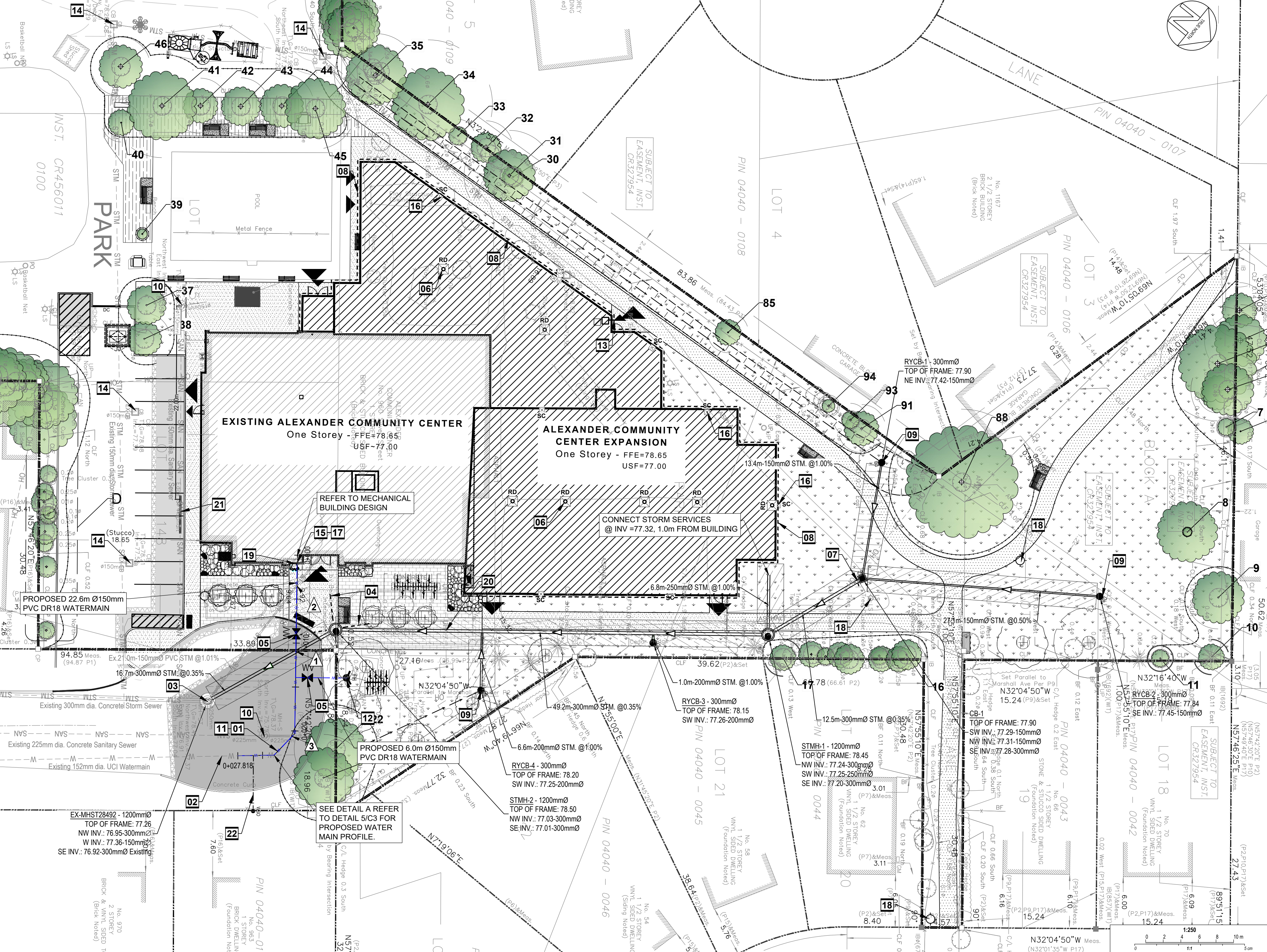
LEGEND CONTINUED	
	EXISTING TREES
	NEW TREES
	REFER TO LANDSCAPE
	NEW MULCH

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 - CONTRACTOR RESPONSIBLE FOR OBTAINING ALL REQUIRED UTILITY LOCATES, DAYLIGHTING, INSPECTIONS, PERMITS, AND APPROVALS, INCLUDING ALL ASSOCIATED COSTS. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY AND BASED ON BEST AVAILABLE INFORMATION.
 - FOR EXACT LOCATIONS AND NUMBERS OF ROOF DRAINS AND SCUPPERS, REFER TO MECHANICAL STRUCTURE AND ARCHITECTURAL DRAWINGS.



DRAWING NOTES

- SUPPLY AND INSTALL NEW 150mm Ø PVC DR18 WATER MAIN SERVICE, MINIMUM 2.4m COVER, OTHERWISE PROVIDE HL40 THERMAL INSULATION IN ACCORDANCE WITH OPSD 1109.030. COORDINATE NEW WATER SERVICE CONNECTION WITH MECHANICAL PLANS. THRUST BLOCKS SHALL BE AS PER OPSD 1103.010 & 1103.020.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COMMUNICATING, COORDINATING, OBTAINING AND PAYING FOR ALL REQUIRED PERMITS NOT LIMITED TO THE FOLLOWING:
 - WITH CITY OF OTTAWA FOR A WATER PERMIT NEW WATER SERVICE CONNECTION, FIRE HYDRANT ON SITE CONNECTION TO PROPOSED BUILDING, INSPECTION DISSECTION CHLORINATION, TESTING, WATER METERING AND ALL REQUIREMENTS FOR A COMPLETE SYSTEM COMMISSIONING AS PER MUNICIPAL REQUIREMENTS.
 - WITH CITY OF OTTAWA FOR A ROAD CUT PERMIT.
 - WITH CITY OF OTTAWA FOR UTILITY LOCATES, EXCAVATION, SUPPORTING UTILITIES DURING CONSTRUCTION IF REQUIRED, INSPECTION AND BACKFILLING.
- CONNECT TO EXISTING WATERMAIN AT APPROX. OBVERT 75.82. REMOVE PORTION OF EXISTING WATERMAIN AS NECESSARY TO FACILITATE NEW WATERMAIN INSTALLATION. CONNECTION TO EXISTING MUNICIPAL WATERMAIN TO BE COMPLETED BY CITY OF OTTAWA FORCES. EXCAVATION, BACKFILL, AND RE-INSTATEMENT BY CONTRACTOR. CONTRACTOR TO CONFIRM EXISTING WATERMAIN OBVERT PRIOR TO CONSTRUCTION AND ADVISE OF ANY DISCREPANCY.
- EXISTING 1200mm DIAMETER STORM MANHOLE. EXISTING 300mm INVERT SOUTH = 75.92. EXISTING 150mm INVERT WEST = 77.36. CONTRACTOR TO CONFIRM INVERTS PRIOR TO CONSTRUCTION AND ADVISE OF ANY DISCREPANCY. BREAK INTO EXISTING MANHOLE TO PROVIDE CONNECTION OF NEW 300mm STORM SEWER AT INVERT NORTH=75.95. PARGE AND PROVIDE WATER TIGHT CONNECTION.
- INSTALL FOUR WAY 3.0m LONG 150mm Ø PERFORATED SUBDRAIN WRAPPED IN GEOTEXTILE SOCK EXTENDING FROM CB/SMH AT PAVEMENT SUBGRADE LEVEL. PROVIDE WATER TIGHT CONNECTION (TYP).
- SUPPLY AND INSTALL NEW 150mm WATER VALVE, VALVEBOX ASSEMBLY AS PER CITY OF OTTAWA STANDARD DETAIL DRAWING W24 AND W50.
- SUPPLY AND INSTALL WATTS ROOF DRAIN CONTROLS TO BE INSTALLED ON ROOF DRAINS. SPECIFIC WIR SETTINGS IN 1/4 OPEN POSITION. MAXIMUM DISCHARGE 5.80 l/s TOTAL. MAXIMUM ROOF PONDING DEPTH 120mm. 100 YEAR PONDING VOLUME = 49.8m³.
- SUPPLY AND INSTALL NEW INLET CONTROL DEVICE FLOW REGULATOR AT MANHOLE, CB-1 OUTLET. MAXIMUM DISCHARGE 11.40 l/s AT 0.81m HEAD AND ORIFICE DIAMETER AT 83mm.
- PROVIDE NEW 100mm PERIMETER FOUNDATION DRAINAGE WITH FILTER SOCK AROUND PERIMETER OF NEW ADDITION. INVERT AT 77.00 AT USF ELEVATION.
- INSTALL NEW REAR YARD CATCH BASIN AS PER CITY OF OTTAWA DETAIL S30.
- EXISTING SANITARY MANHOLE TO BE PROTECTED DURING CONSTRUCTION.
- ALL WATERMAIN SHALL BE PROVIDED WITH TRACER WIRE AS PER CITY OF OTTAWA STANDARD DETAILS AND SPECIFICATIONS.
- NEW FIRE HYDRANT AS PER CITY OF OTTAWA W19. CONTRACTOR IS RESPONSIBLE TO PROVIDE FIRE HYDRANT TESTING AND PAINTING OF CAP AS PER MUNICIPAL STANDARD. INSTALL VALVE ON HYDRANT LEAD PER CITY DETAIL W24 & W50.
- CONNECT PERMITTER FOUNDATION DRAINAGE TO SUMP PIT. REFER TO MECHANICAL DRAWINGS.
- EXISTING CATCHBASIN TO BE PROTECTED DURING CONSTRUCTION.
- WATER SERVICE ENTRY TO BUILDING SERVICES. TOP OF WATERMAIN AT 77.15 TO BE ABOVE EXISTING FOOTING AND SLEEVED THROUGH FOUNDATION WALL. COORDINATE WITH STRUCTURAL AND MECHANICAL DRAWINGS. INSULATE PER CITY OF OTTAWA W22 WHERE LESS THAN 2.4m COVER IS PROVIDED.
- ROOF TOP SCUPPERS TO BE PROVIDED AT 150mm ABOVE LEVEL OF ROOF DRAINS.
- PRESSURE REDUCING VALVE TO BE INSTALLED AS PER ONTARIO PLUMBING CODE. COORDINATE WITH MECHANICAL CONTRACTOR.
- NEW LIGHT STANDARD. REFER TO ELECTRICAL DRAWINGS. COORDINATE INSTALLATION OF NEW LIGHT STANDARD LIGHTING CONDUITS WITH INSTALLATION OF NEW STORM SEWER. LIGHTING CONDUITS TO CROSS OVER / ABOVE STORM SEWER AS NECESSARY.
- FIRE DEPARTMENT CONNECTION. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR DETAILS.
- APPROXIMATE LOCATION OF EXISTING BUILDING SECONDARY DUCT BANK. APPROXIMATE BOTTOM OF DUCT ELEVATION AT 77.45. CONTRACTOR TO HYDROVAC AND DAYLIGHT TO CONFIRM EXISTING SECONDARY DUCT ELEVATION PRIOR TO STORM SEWER CONSTRUCTION, AND ADVISE OF ANY DISCREPANCY WITH NEW STORM SEWER. PROVIDE HYDROVAC AND TEMPORARY UTILITY SUPPORT FOR EXCAVATION OF NEW STORM SEWER.
- APPROXIMATE LOCATION OF OFFSET JOINT IN EXISTING 150mm DIA. ASBESTOS-CEMENT SANITARY WATERMAIN. 22.0m FROM EXISTING SANITARY MANHOLE AS MEASURED BY CITY. CONTRACTOR TO EXCAVATE AND CONFIRM LOCATION AND CONDITION OF OFFSET JOINT IN FIELD. REMOVE EXISTING PIPE AS REQUIRED AND INSTALL NEW 150mm DIA. PVC DR-35 SANITARY SEWER TO CORRECT OFFSET JOINT AND MAINTAIN EXISTING SEWER ALIGNMENT AND GRADE. INSTALL PIPE BEDDING AND COVER IN ACCORDANCE WITH STANDARD TRENCH DETAIL 403 AND CITY OF OTTAWA DETAIL S6. PROVIDE APPROVED WATER TIGHT TRANSITION COUPLINGS BETWEEN EXISTING ASBESTOS-CEMENT PIPE AND NEW PVC PIPE. HANDLING, REMOVAL AND DISPOSAL OF ASBESTOS-CEMENT PIPE SHALL BE IN ACCORDANCE WITH APPLICABLE REGULATIONS. CONTRACTOR TO MAINTAIN EXISTING SANITARY SEWER SERVICE DURING CONSTRUCTION AND PROVIDE TEMPORARY BYPASS PUMPING, IF REQUIRED. PROVIDE POST-CONSTRUCTION CCTV INSPECTION OF REPAIRED SANITARY SEWER.
- CONFIRM LOCATION OF EXISTING WATER SERVICE FOR 863 SILVER STREET. CONTRACTOR TO CARRY PROVISIONAL ITEM IN TENDER FOR NEW WATER SERVICE CONNECTION TO PROPERTY LINE. COMPLETE WITH CURB STOP. IF EXISTING SERVICE CONNECTION NEEDS TO BE ALTERED TO FACILITATE NEW WATERMAIN WORK, WATER SERVICE CONNECTION TO BE PROVIDED PER CITY OF OTTAWA DETAIL W26 AND CONFORM TO APPROVED CITY OF OTTAWA SERVICE TUBING MATCH EXISTING SERVICE SIZE.



SERVICES D'INFRASTRUCTURE
DIRECTION DE CONCEPTION ET DE CONSTRUCTION

FOR / POUR
Client - Department
Infrastructure and Water Services Department
Design & Construction

NUMBER	1	ISSUED FOR SITE PLAN CONTROL REV-1	260414	DATE	YMMJ	INITIALS	
NUMBER	2	ISSUED FOR 80% REVIEW / PERMIT	260508	DATE	YMMJ	INITIALS	
NUMBER	3	ISSUED FOR 90% REVIEW / PERMIT	260508	DATE	YMMJ	INITIALS	
NUMBER	4	ISSUED FOR SITE PLAN CONTROL REV-2	260508	DATE	YMMJ	INITIALS	

DESIGNED BY / CONCEPTEUR	ZACH BAUMAN	CHECKED BY / VÉRIFIÉ PAR	ALI SAMMOUR
DRAWN / DÉSSINÉ PAR	RAFAT ISMAIL	SCALE / ÉCHELLE	1:250

6	5	4	3	2	1

ARCHITECT / ARCHITECTE	CONSULTANT / EXPERT-CONSEIL

CONSULTANT / EXPERT-CONSEIL	CONSULTANT / EXPERT-CONSEIL

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LICENSED PROFESSIONAL ENGINEER Z. E. BAUMAN 100578796 August 20, 2020 PROVINCE OF ONTARIO	LICENSED PROFESSIONAL ENGINEER ALI SAMMOUR 100227665 August 20, 2020 PROVINCE OF ONTARIO
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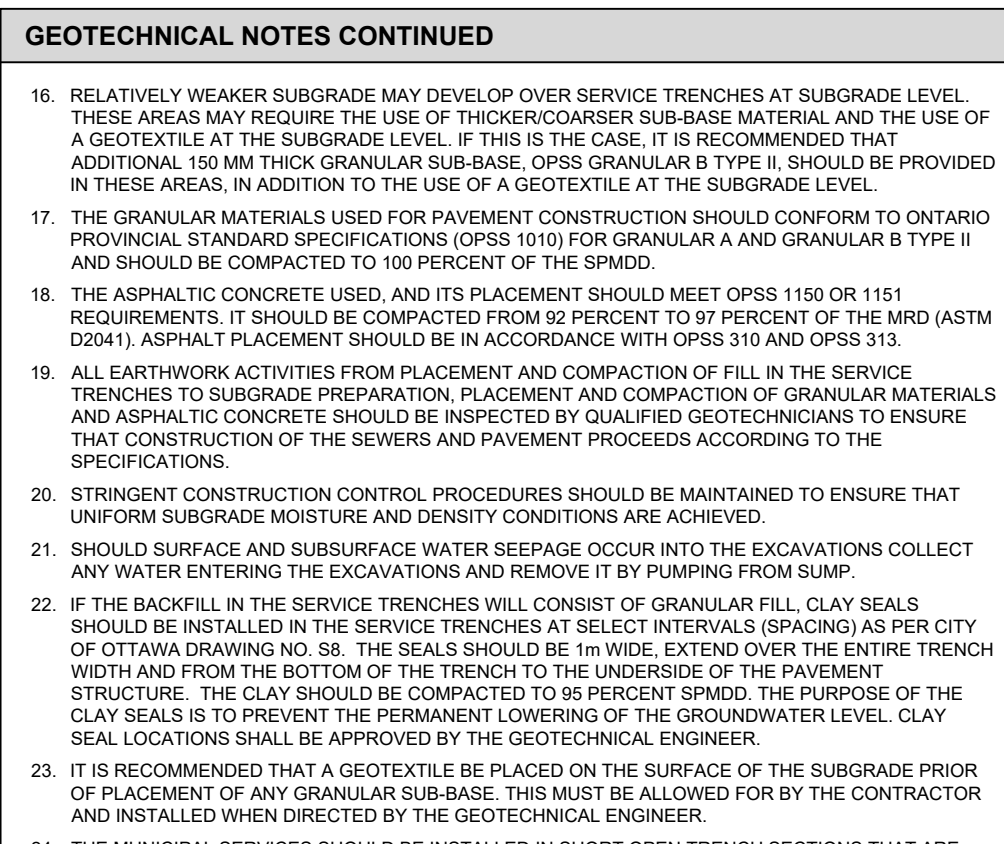
PROJECT / LOCATION / PROJET / ENDROIT
ALEXANDER COMMUNITY CENTRE EXPANSION

960 Silver Street
OTTAWA, ONTARIO

DRAWING / DESSIN
SITE SERVICING PLAN

BUSINESS ENTITY / NUMERO DE L'ENTITE BUILDING NUMBER / NUMERO DU BATIMENT	SHEET NO. / FEUILLE NO.

CITY PROJECT NO. / NUMERO DE PROJET	CONS. PROJECT NO. / NUMERO DE PROJET	C.01
CF001822	25-1170A	



PI AN #19468

General Notes

- DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL AND LANDSCAPE DRAWINGS.
- ALL SERVICES, MATERIALS, CONSTRUCTION METHODS AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND REGULATIONS OF THE: CITY OF OTTAWA STANDARD SPECIFICATIONS AND DRAWINGS, ONTARIO PROVINCIAL SPECIFICATION STANDARD SPECIFICATION (OPSS) AND ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD), UNLESS OTHERWISE SPECIFIED, TO THE SATISFACTION OF THE CITY OF OTTAWA AND THE CONSULTANT.
- THE POSITION OF EXISTING POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND ABOVEGROUND UTILITIES, STRUCTURES AND APPURTENANCES IS 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 SATISFY HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM DURING THE COURSE OF CONSTRUCTION. ANY RELOCATION OF EXISTING UTILITIES REQUIRED BY THE DEVELOPMENT OF SUBJECT LANDS IS TO BE UNDERTAKEN AT 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 POWER, COMMUNICATION AND 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 PLANS FOR BUILDING DIMENSIONS, LAYOUT AND REMOVALS. REFER TO LANDSCAPE PLAN FOR LANDSCAPED DETAILS AND OTHER RELEVANT INFORMATION. ALL INFORMATION SHALL BE CONFIRMED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- TOPOGRAPHIC SURVEY AND PROPERTY BOUNDARY INFORMATION COMPLETED AND PROVIDED BY ANNIS, OSULLIVAN, VOLLEBEK LTD. JOB NO. N-26205-26, DATED FEBRUARY 13, 2026. CONTRACTOR TO VERIFY IN THE FIELD PRIOR TO CONSTRUCTION OF ANY WORK AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS. VERIFY THAT JOB BENCHMARKS HAVE NOT BEEN ALTERED OR DISTURBED.
- 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 PAVEMENT SHALL BE SAW CUT TO FORM A NEAT AND STRAIGHT LINE PRIOR TO PLACING NEW PAVEMENT. PAVEMENT REINSTATEMENT SHALL BE WITH STEP JOINTS OF 500mm WIDTH MINIMUM.
- ALL DISTURBED AREAS OUTSIDE PROPOSED GRADING LIMITS TO BE RESTORED TO ORIGINAL ELEVATIONS AND CONDITIONS UNLESS OTHERWISE SPECIFIED. ALL RESTORATION SHALL BE COMPLETED WITH THE GEOTECHNICAL REQUIREMENTS FOR BACKFILL AND COMPACTION.
- ABUTTING PROPERTY GRADES TO BE MATCHED UNLESS OTHERWISE SHOWN.
- CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS PRIOR TO COMMENCING CONSTRUCTION, INCLUDING WATER PERMIT AND ROAD CUT PERMIT.
- MINIMIZE DISTURBANCE TO EXISTING VEGETATION DURING THE EXECUTION OF ALL WORKS.
- EXCAVATE AND REMOVE ALL ORGANIC MATERIAL AND DEBRIS LOCATED WITHIN THE PROPOSED BUILDING, PARKING AND ROADWAY LOCATIONS. ALL EXCESS SOIL MANAGEMENT, TESTING AND DISPOSAL MUST COMPLY WITH CURRENT O. REG. 406/19. ALL ASSOCIATED COSTS ARE TO BE BORNE BY THE CONTRACTOR.
- AT PROPOSED UTILITY CONNECTION POINTS AND CROSSINGS (I.E. 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 OLS OR P ENG CONFIRMING COMPLIANCE WITH DESIGN GRADING AND SERVICING. SURVEY IS TO INCLUDE LOCATION AND INVERTS FOR BURIED UTILITIES.
- ABIDE BY RECOMMENDATIONS OF GEOTECHNICAL REPORT. REPORT ANY VARIATIONS IN OBSERVED CONDITIONS FROM THOSE INCLUDED IN REPORT.
- REPORT REFERENCES:
GEOTECHNICAL INVESTIGATION:
PROPOSED ADDITION TO ALEXANDER COMMUNITY CENTRE
960 SILVER STREET, OTTAWA, ONTARIO
PREPARED BY EXP. PROJECT No. OTT-23011957-00
DATED FEBRUARY 27, 2026.
- PROVIDE CCTV INSPECTION REPORT FOR ALL SEWERS AND CATCHBASIN LEADS 200mm DIAMETER AND LARGER. REPEAT CCTV INSPECTION FOLLOWING RECTIFICATION OF ANY DEFICIENCIES.

Excess Soil And O.REG. 406/19

- EXCAVATE AND REMOVE ALL ORGANIC MATERIAL AND DEBRIS LOCATED WITHIN THE PROPOSED BUILDING, FOUNDATION, PAVED AREAS, SUBDRAINS AND SERVICE TRENCHES. EXCESS MATERIAL REMOVAL FROM SITE SHALL FOLLOW THE GEOTECHNICAL AND ENVIRONMENTAL ENGINEER'S RECOMMENDATION.
- CONTRACTOR TO STOCKPILE UNUSABLE FILL TO BE REMOVED FROM SITE TO ALLOW THE GEOTECHNICAL ENGINEER IN 10 DAYS TO INSPECT THE MATERIALS AND TO PROVIDE GUIDANCE TO CONTRACTOR PRIOR TO DISPOSAL. EROSION CONTROL MEASURE ARE TO BE APPLIED TO STOCKPILE AREA. EXCESS MATERIALS SHALL BE DISPOSED AS PER THE REQUIREMENTS OF OPSS 180.
- IF CONTAMINATION HAZARDOUS MATERIAL IS SUSPECTED DURING CONSTRUCTION (E.G. STAINING, ODOURS, ETC.), THE CONTRACTOR MUST NOTIFY THE PROPERTY OWNER(S), PROJECT LEADER, PRIME CONSULTANT, AND GEOTECHNICAL ENGINEER FOR DIRECTION ON HOW TO PROCEED ACCORDING TO FEDERAL AND PROVINCIAL LEGISLATION. THE GEOTECHNICAL ENGINEER UNDER THE GUIDANCE OF A QUALIFIED PERSON, MUST DETERMINE IF ADDITIONAL SAMPLING (INCLUDING LEACHATE TESTING) IS REQUIRED TO MEET THE MINIMUM SAMPLING PROVISIONS UNDER O. REG. 406/19 (AS AMENDED).
- EXCESS SOIL MANAGEMENT, TESTING AND DISPOSAL MUST COMPLY WITH O. REG. 406/19.
- ALL SOIL HAULAGE RECORDS SHALL BE KEPT AND PROVIDED BY THE CONTRACTOR AND SUBMITTED TO THE CONSULTANT.
- ALL EXCESS MATERIAL TO BE HAULED OFFSITE AND DISPOSED AT AN APPROVED DUMP SITE BY CONTRACTOR.

Parking Lot and Work in Public Rights of Way

**** CONTRACTOR IS RESPONSIBLE FOR ALL INSTALLATION, MONITORING, REPAIR AND REMOVAL OF ALL EROSION AND SEDIMENT CONTROL FEATURES.****

- PRIOR TO START OF CONSTRUCTION:
 - INSTALL SILT FENCE IN LOCATION SHOWN ON DWG C4.
 - INSTALL FILTER FABRIC OR SILT SACK FILTERS IN ALL THE CATCHBASINS AND MANHOLES TO REMAIN DURING CONSTRUCTION WITHIN THE SITE (SEE TYPICAL DETAIL).
 - INSPECT MEASURES IMMEDIATELY AFTER INSTALLATION.
- DURING CONSTRUCTION:
 - MINIMIZE THE EXTENT OF DISTURBED AREAS AND THE DURATION OF EXPOSURE AND IMPACTS TO EXISTING GRADING.
 - PERIMETER VEGETATION 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 PERIMETER.
 - PROTECT DISTURBED AREAS FROM OVERLAND FLOW BY PROVIDING TEMPORARY SWALES TO THE SATISFACTION OF THE FIELD ENGINEER. TEIN TEMPORARY SWALE TO EXISTING CES AS REQUIRED.
 - PROVIDE TEMPORARY COVER SUCH AS SEEDING OR MULCHING IF DISTURBED AREA WILL NOT BE REHABILITATED WITHIN 30 DAYS.
 - INSPECT SILT FENCES, FILTER FABRIC FILTERS AND CATCH BASIN SUMPS WEEKLY AND WITHIN 24 HOURS AFTER A STORM EVENT. CLEAN AND REPAIR WHEN NECESSARY.
 - DRAWING TO BE REVIEWED AND REVISED AS REQUIRED DURING CONSTRUCTION.
 - EROSION CONTROL FENCING TO BE ALSO INSTALLED AROUND THE BASE OF ALL STOCKPILES.
 - DO NOT LOCATE TOPSOIL PILES AND EXCAVATION MATERIAL CLOSER THAN 2.5m FROM ANY PAVED SURFACE, OR ONE WHICH IS TO BE PAVED BEFORE THE PILE IS REMOVED. ALL TOPSOIL PILES ARE TO BE SEEDDED IF THEY ARE TO REMAIN ON SITE LONG ENOUGH FOR SEEDS TO GROW (LONGER THAN 30 DAYS).
 - CONTROL WIND-BLOWN DUST OFF SITE. BY SEEDING TOPSOIL PILES AND OTHER AREAS TEMPORARILY PROVIDE WATERING AS REQUIRED AND TO THE SATISFACTION OF THE ENGINEER.
 - NO ALTERNATE METHODS OF EROSION PROTECTION SHALL BE PERMITTED UNLESS APPROVED BY THE FIELD ENGINEER.
 - CITY OF OTTAWA ROADWAY AND SIDEWALK TO BE CLEANED OF ALL SEDIMENT FROM VEHICULAR TRACKING AS REQUIRED.
 - DURING WET CONDITIONS, TIRES OF ALL VEHICLES/EQUIPMENT LEAVING THE SITE ARE TO BE SCRAPPED.
 - ANY MID-MATERIAL 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 SPILLED 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 FOR 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: Storm Sewer and Manholes

- ALL STORM SEWER MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO THE CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS. PROVIDE CCTV INSPECTION REPORTS FOR ALL NEW STORM SEWERS, SERVICES AND CB LEADS.
- STORM SEWERS 375mm DIAMETER AND SMALLER SHALL BE PVC SDR-35, WITH RUBBER GASKET PER CSA 59.3.
- STORM SEWERS 450mm AND LARGER SHALL BE REINFORCED CONCRETE CLASS 100.
- SEWER BEDDING AS PER CITY OF OTTAWA DETAIL S6.
- ALL STORM MANHOLES TO BE AS PER MANHOLE AND CATCHBASIN SCHEDULE.
- ANY NEW OR EXISTING STORM SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD S35, OR APPROVED BY THE ENGINEER.
- CB IN LANDSCAPE AREAS SHALL BE AS PER CITY OF OTTAWA STANDARD S29, S30 AND S31.
- ALL CATCHBASIN LEADS TO BE MINIMUM 200mm DIAMETER AT MINIMUM 1.0% SLOPE UNLESS OTHERWISE SPECIFIED.
- STORM CATCHBASINS AS PER OPSD 705.010 AND FRAMECOVER AS PER CITY STANDARD DRAWINGS S19.
- STORM CBMHS AS INDICATED IN TABLE WITH SUMP ADJUSTMENT SECTIONS SHALL BE AS PER OPSD 704.010.
- INSTALLATION OF FLOW CONTROL ICDS TO BE VERIFIED BY QUALITY VERIFICATION ENGINEER RETAINED BY CONTRACTOR.

Notes: Watermain

- ALL WATERMAIN AND WATERMAIN APPURTENANCES, MATERIALS, CONSTRUCTION AND TESTING METHODS SHALL CONFORM TO THE CURRENT CITY OF OTTAWA STANDARDS AND MINISTRY OF ENVIRONMENT STANDARDS AND SPECIFICATIONS.
- ALL WATERMAIN 300mm DIAMETER AND SMALLER TO BE POLY VINYL CHLORIDE (PVC) CLASS 150 OR 16 MEETING ANMA SPECIFICATION C300.
- ALL WATERMAIN TO BE INSTALLED AT MINIMUM COVER OF 2.4m BELOW FINISHED GRADE. WHERE WATERMANS CROSS UNDER OTHER UTILITIES, A MINIMUM 0.30m CLEARANCE SHALL BE MAINTAINED. WHERE WATERMANS CROSS UNDER OTHER UTILITIES, A MINIMUM 0.30m CLEARANCE SHALL BE MAINTAINED. WHERE THE MINIMUM SEPARATION CANNOT BE ACHIEVED, THE WATERMAIN SHALL BE INSTALLED AS PER CITY OF OTTAWA STANDARDS W25 AND W25.2. WHERE 2.4m MINIMUM DEPTH CANNOT BE ACHIEVED, THERMAL INSULATION SHALL BE PROVIDED AS PER CITY OF OTTAWA STANDARD W22. WHERE A WATERMAIN IS IN CLOSE PROXIMITY TO AN OPEN STRUCTURE, THERMAL INSULATION SHALL BE PROVIDED AS PER CITY OF OTTAWA STANDARD W23.
- 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 W25.3 & W25.4.
- CATHODIC PROTECTION REQUIRED FOR ALL BOX FITTINGS AS PER CITY OF OTTAWA STANDARD W40 & W42.
- 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 W19 & 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

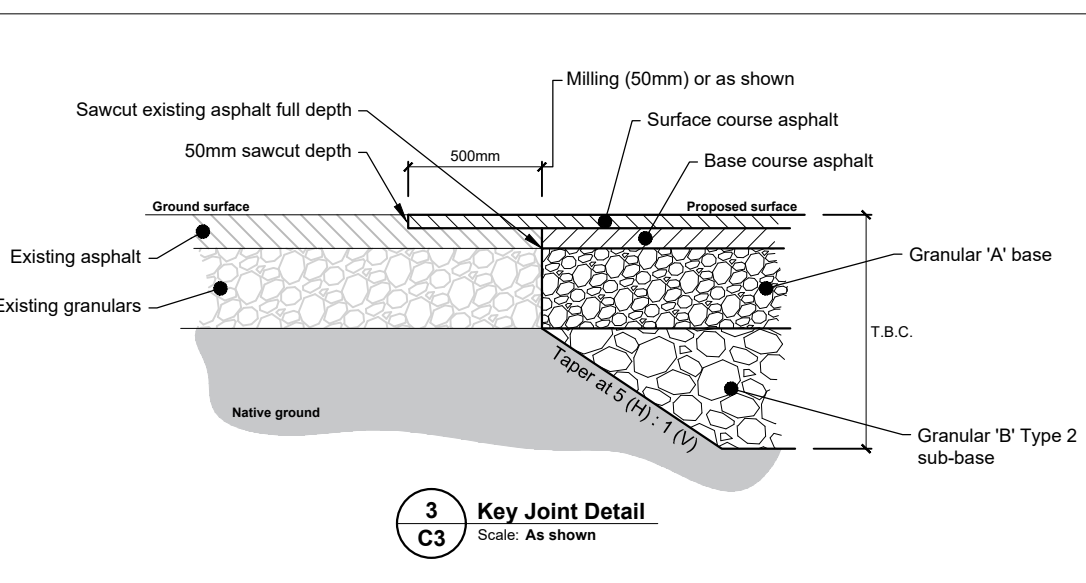
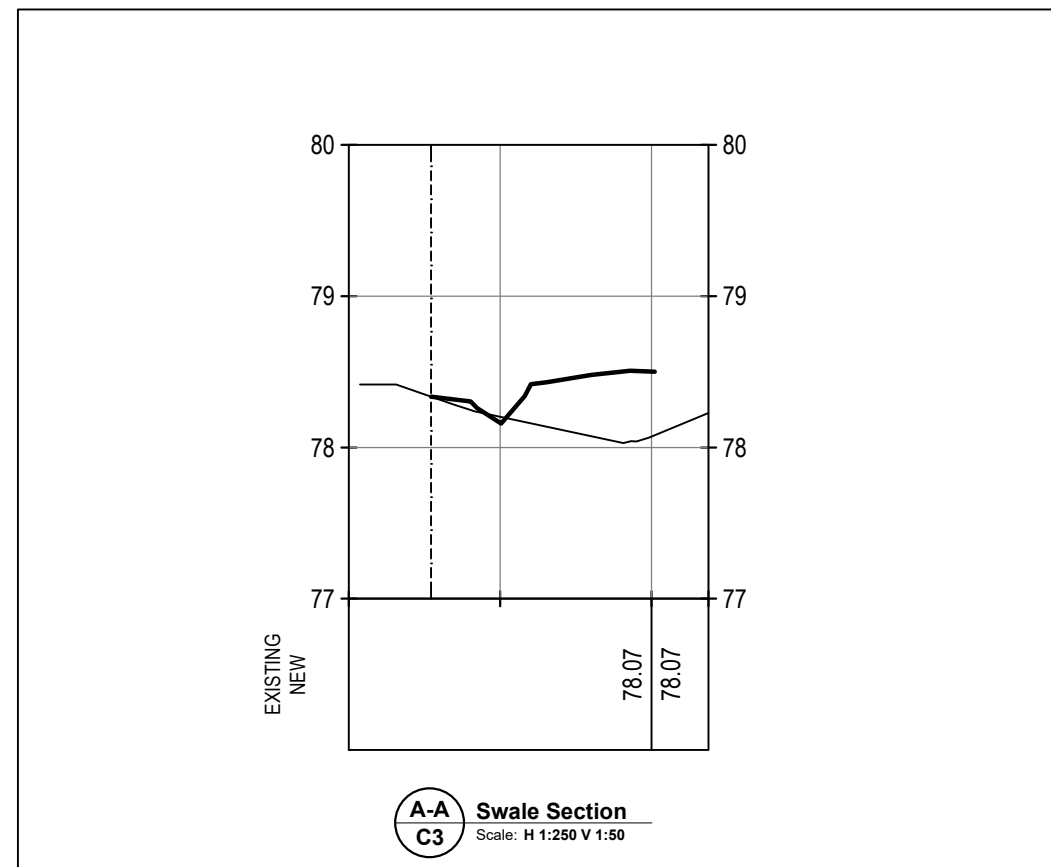
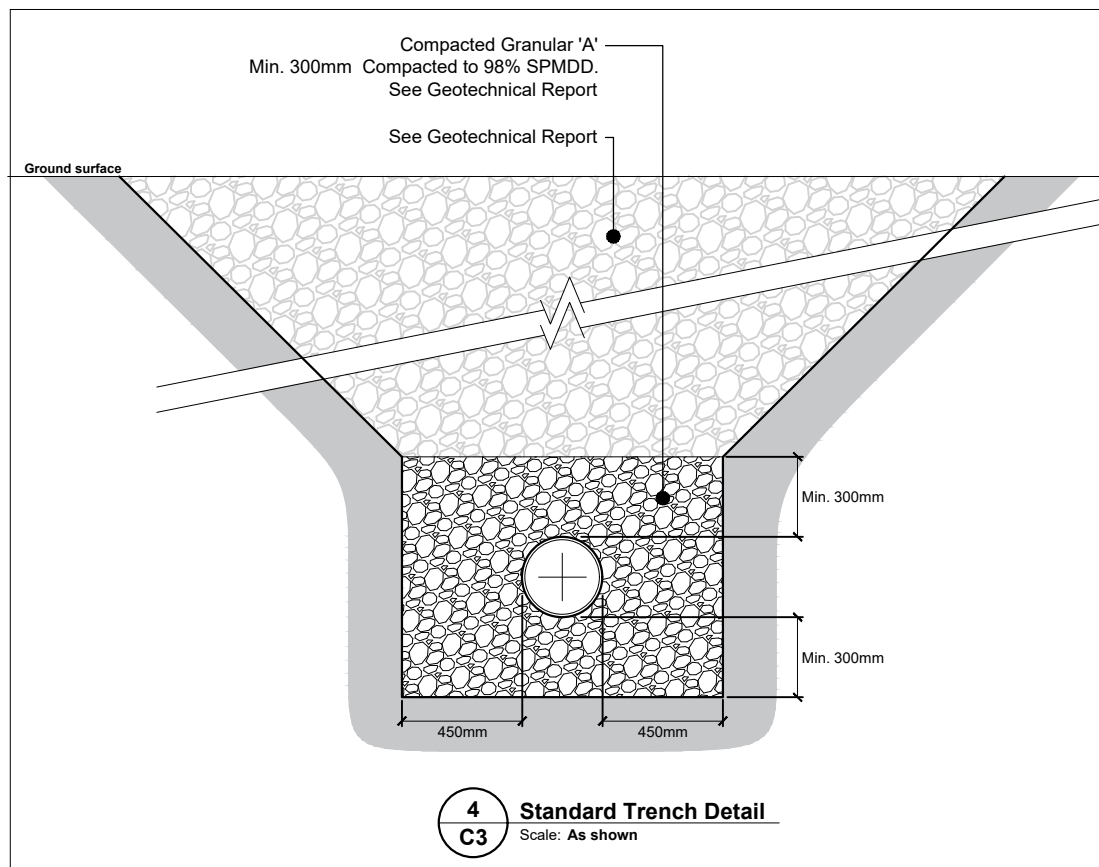
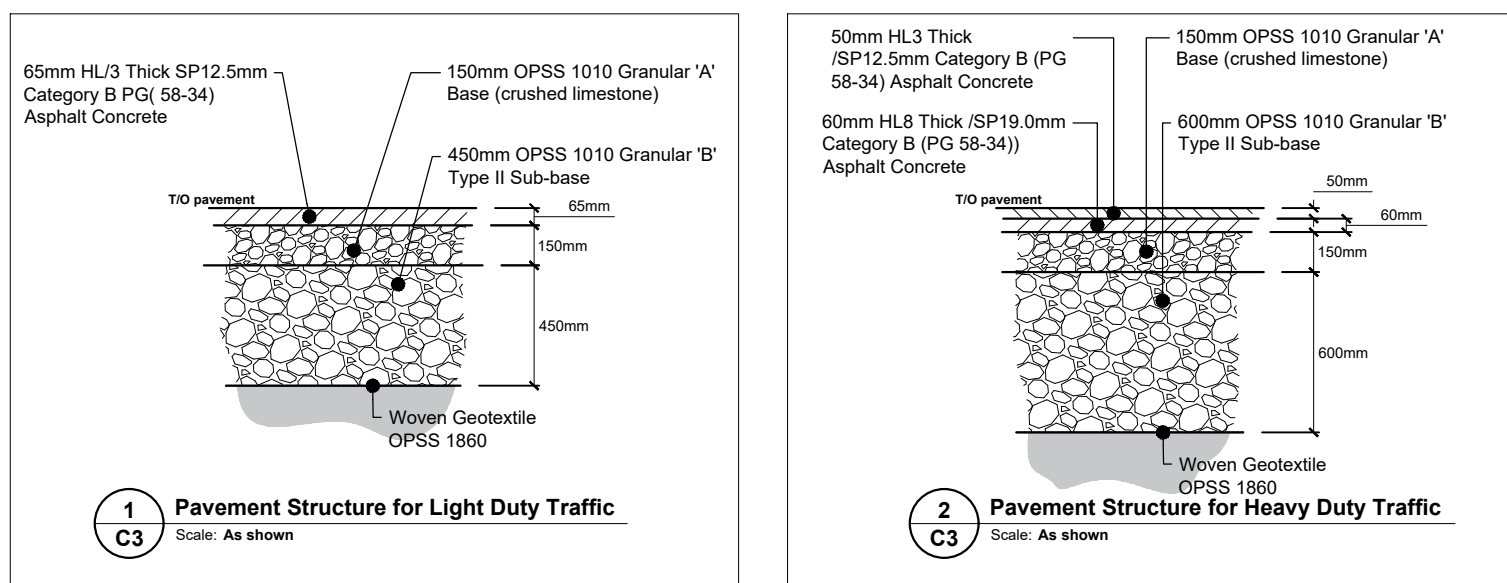
- ALL SANITARY SEWER, SANITARY SEWER APPURTENANCES AND CONSTRUCTION METHODS SHALL CONFORM TO THE CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS. PROVIDE DYE TESTING FOR NEW SERVICES.
- SANITARY SEWER PIPE SIZE 150mm DIAMETER AND GREATER TO BE PVC SDR-35 (UNLESS SPECIFIED OTHERWISE) WITH RUBBER GASKET TYPE JOINTS IN CONFORMANCE WITH CSA B-162.2.3.4.
- SEWER BEDDING AS PER CITY OF OTTAWA DETAIL S6.
- ALL SANITARY MANHOLES 1200mm IN DIAMETER TO BE AS PER OPSD 701.01. FRAME AND COVER TO BE AS PER CITY OF OTTAWA STANDARD S29 AND S24.
- MAINTENANCE HOLE BENCHING AND PIPE OPENING ALTERNATIVES AS PER THE OPSD 701.021.
- ANY SANITARY SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD S35, OR APPROVED BY THE ENGINEER.

CROSSING TABLE

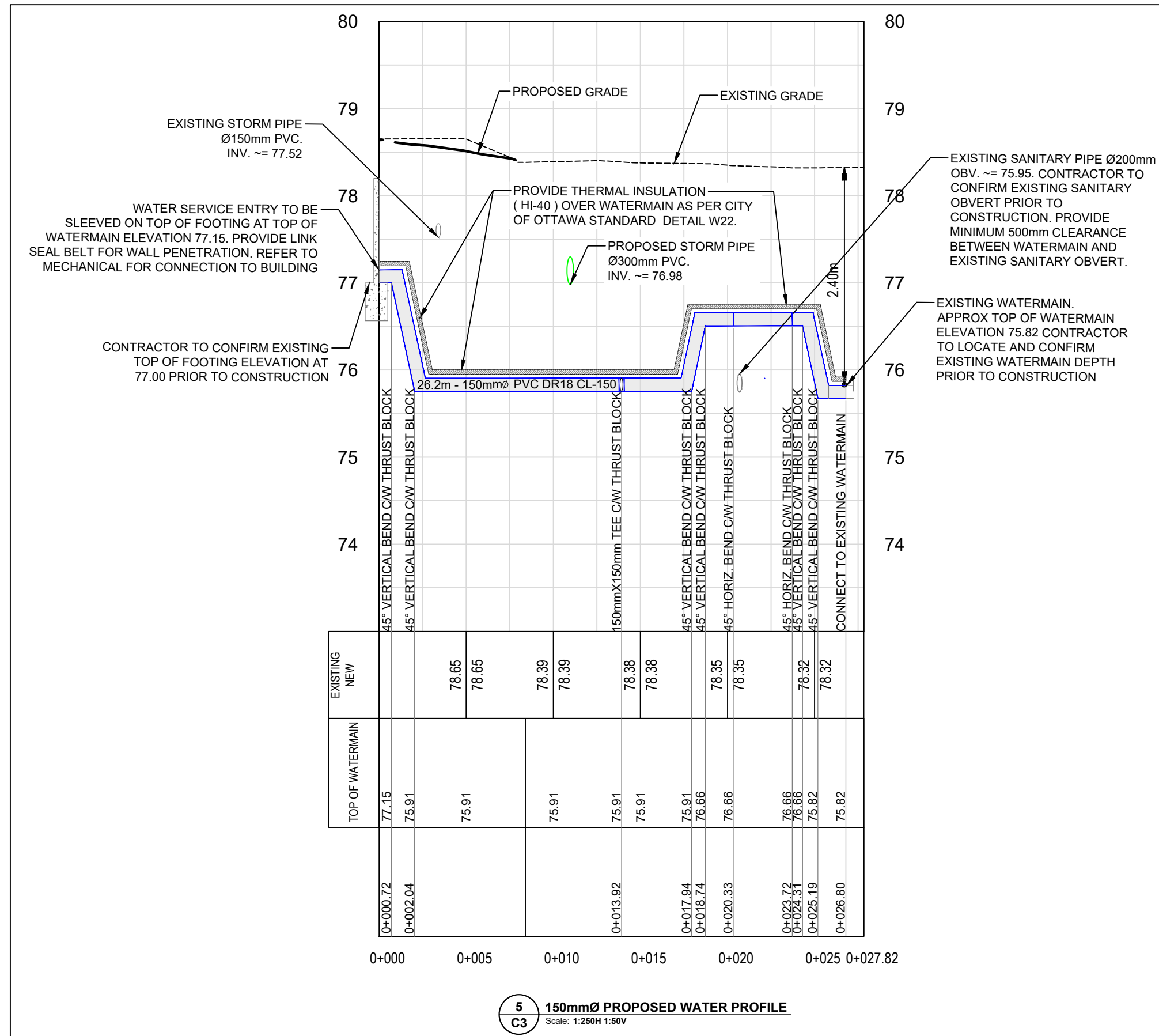
LOCATION	OVER / UNDER	T/G	OBVERT	INVERT	CLEARANCE (m)
	NEW STORM SEWER - NEW WATERMAIN	78.40	75.90 (WM)	76.98 (STM)	1.08
	EXISTING STORM SEWER - NEW WATERMAIN	78.56	76.84 (WM)	77.52 (STM)	0.68
	NEW WATERMAIN - EXISTING SANITARY SEWER	78.35	75.95 (SAN)	76.45 (WM)	0.50

Parking Lot and Work in Public Rights of Way

- CONTRACTOR TO REINSTATE ROAD CUTS AS PER CITY OF OTTAWA DETAIL R10.
- CONTRACTOR TO PREPARE SUBGRADE, INCLUDING PROOFROLLING, TO THE SATISFACTION OF THE GEOTECHNICAL CONSULTANT PRIOR TO THE COMMENCEMENT OF PLACEMENT OF GRANULAR B MATERIAL.
- FILL TO BE PLACED AND COMPACTED PER THE GEOTECHNICAL REPORT REQUIREMENTS.
- CONTRACTOR TO SUPPLY, PLACE AND COMPACT GRANULAR B MATERIAL IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL CONSULTANT. CONTRACTOR TO PROVIDE CONSULTANT WITH SAMPLES OF GRANULAR B MATERIAL FOR TESTING AND CERTIFICATION FROM THE GEOTECHNICAL CONSULTANT THAT THE MATERIAL MEETS THE GRADATION REQUIREMENTS SPECIFIED IN THE GEOTECHNICAL REPORT.
- GRANULAR A MATERIAL TO BE PLACED ONLY UPON APPROVAL BY THE GEOTECHNICAL CONSULTANT OF GRANULAR B PLACEMENT.
- CONTRACTOR TO SUPPLY, PLACE AND COMPACT GRANULAR A MATERIAL IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL CONSULTANT. CONTRACTOR TO PROVIDE CONSULTANT WITH SAMPLES OF GRANULAR A MATERIAL FOR TESTING AND CERTIFICATION FROM THE GEOTECHNICAL CONSULTANT THAT THE MATERIAL MEETS THE GRADATION REQUIREMENTS SPECIFIED IN THE GEOTECHNICAL REPORT.
- ASPHALT MATERIAL TO BE PLACED ONLY UPON APPROVAL BY THE GEOTECHNICAL CONSULTANT OF GRANULAR A PLACEMENT.
- CONTRACTOR TO SUPPLY, PLACE AND COMPACT ASPHALT MATERIAL IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL CONSULTANT. CONTRACTOR TO PROVIDE CONSULTANT WITH SAMPLES OF ASPHALT MATERIAL FOR TESTING AND CERTIFICATION FROM THE GEOTECHNICAL CONSULTANT THAT THE MATERIAL MEETS THE REQUIREMENTS SPECIFIED IN THE GEOTECHNICAL REPORT.
- CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING LINE AND GRADE IN ACCORDANCE WITH THE PLANS, AND FOR PROVIDING THE CONSULTANT WITH VERIFICATION PRIOR TO PLACEMENT.
- ALL EXCESS MATERIAL TO BE HAULED OFFSITE AND DISPOSED OF AT AN APPROVED DUMP SITE. SHOULD THE CONTRACTOR DISCOVER ANY HAZARDOUS MATERIAL, CONTRACTOR IS TO NOTIFY CONSULTANT. CONSULTANT TO DETERMINE APPROPRIATE DISPOSAL METHOD/LOCATION.
- PAVEMENT STRUCTURE (MATERIAL TYPES AND THICKNESS) FOR HEAVY DUTY AND LIGHT DUTY AREAS TO BE AS SPECIFIED IN THE GEOTECHNICAL REPORT AND SHOWN ON THE PLANS.



NEW CATCH BASIN AND MANHOLE STRUCTURE SCHEDULE						
MANHOLE NO.	DESCRIPTION	T/GRATE ELEVATION	INVERT ELEVATION / PIPE DIAMETER	OPSD No. & COO	FRAME (CITY OF OTTAWA)	
CB-1	600x600mm CATCHBASIN	77.90	SW INV.: 77.29 - 150mmØ NW INV.: 77.31 - 150mmØ SE INV.: 77.28 - 300mmØ	705.010	S19	
RYCB-1	300mmØ DRAINAGE BASIN	77.90	NE INV.: 77.42 - 150mmØ	S30	S30	
RYCB-2	300mmØ DRAINAGE BASIN	77.84	SE INV.: 77.45 - 150mmØ	S30	S30	
RYCB-3	300mmØ DRAINAGE BASIN	78.15	SW INV.: 77.26 - 200mmØ	S30	S30	
RYCB-4	300mmØ DRAINAGE BASIN	78.20	SW INV.: 77.25 - 200mmØ	S30	S30	
STMH-1	1,200mmØ MAINTENANCE HOLE	78.45	NW INV.: 77.24 - 300mmØ SW INV.: 77.25 - 250mmØ SE INV.: 77.20 - 300mmØ	701.010	S24.1 / S25	
STMH-2	1,200mmØ MAINTENANCE HOLE	78.50	NW INV.: 77.03 - 300mmØ SE INV.: 77.01 - 300mmØ	701.010	S24.1 / S25	



SERVICES D'INFRASTRUCTURE
DIRECTION DE CONCEPTION ET DE CONSTRUCTION

FOR / POUR
Client - Department
Infrastructure and Water Services Department
Design & Construction

6						
5						
4	ISSUED FOR SITE PLAN CONTROL REV-2	26/08/20			R.I. / Z.B.	
3	ISSUED FOR 90% REVIEW / PERMIT	26/05/26			R.I. / Z.B.	
2	ISSUED FOR 80%	26/04/17			R.I. / Z.B.	
1	ISSUED FOR SITE PLAN CONTROL REV-1	26/04/14			R.I. / Z.B.	

NUMBERED
MILESTONE / FAT SALLANT
DATE: (Y/M/D)
INITIALS
ZACH BAUMAN
DESIGNED BY / CONCEPTEUR
ALI SAMMOUR
SCALE / ÉCHELLE
1:250
INITIALS

DETAIL NUMBER
1
DRAWING TITLE
SCALE
SHEET NUMBER

THIS DRAWING IS THE PROPERTY OF THE CITY OF OTTAWA AND ALL COPYRIGHT IS RESERVED. NO PART OF THIS DRAWING IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PERMISSION IN WRITING FROM THE CITY OF OTTAWA. THE RESPONSIBILITY OF EACH CONTRACTOR AND SUB-CONTRACTOR OR CONSULTANT TO CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE, NOTIFY OWNER OF ANY ERRORS OR OMISSIONS PRIOR TO COMMENCING THE WORK. DO NOT SCALE THE DRAWINGS.

CE DESSIN CONSTITUE LA PROPRIÉTÉ DE LA VILLE D'OTTAWA ET TOUT DROIT D'AUTEUR EST RÉSERVÉ. LES DIMENSIONS UTILISÉES LE SONT À DES ESTIMATIONS SEULEMENT. IL INCOMBE À CHAQUE ENTREPRENEUR, SOUS-CONTRACTANT OU CONSULTANT DE VÉRIFIER TOUTES LES DIMENSIONS ET LES CONDITIONS SUR LE CHANTIER. VEUILLEZ INFORMER LE PROPRIÉTAIRE DE TOUTE ERREUR OU OMISSION AVANT D'ENTAMER LES TRAVAUX. NE DÉSSEZ PAS LES PLANS À L'ÉCHELLE.

ARCHITECT / ARCHITECTE
CONSULTANT / EXPERT-CONSEIL

CONSULTANT / EXPERT-CONSEIL
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EROSION AND SEDIMENT CONTROL NOTES

** CONTRACTOR IS RESPONSIBLE FOR ALL INSTALLATION, MONITORING, REPAIR AND REMOVAL OF ALL EROSION AND SEDIMENT CONTROL FEATURES.**

- PRIOR TO START OF CONSTRUCTION:
 - INSTALL SILT FENCE IN LOCATION SHOWN ON DRAWINGS.
 - INSTALL FILTER FABRIC OR SILT SACK FILTERS IN ALL THE CATCHBASINS AND MANHOLES TO REMAIN DURING CONSTRUCTION WITHIN THE SITE (SEE TYPICAL DETAIL).
 - INSPECT MEASURES IMMEDIATELY AFTER INSTALLATION.
- DURING CONSTRUCTION:
 - MINIMIZE THE EXTENT OF DISTURBED AREAS AND THE DURATION OF EXPOSURE AND IMPACTS TO EXISTING GRADING.
 - PERIMETER VEGETATION 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 PERIMETER.
 - PROTECT DISTURBED AREAS FROM OVERLAND FLOW BY PROVIDING TEMPORARY SWALES TO THE SATISFACTION OF THE FIELD ENGINEER. TIE-IN TEMPORARY SWALE TO EXISTING CB'S AS REQUIRED.
 - PROVIDE TEMPORARY COVER SUCH AS SEEDING OR MULCHING IF DISTURBED AREA WILL NOT BE REHABILITATED WITHIN 30 DAYS.
 - INSPECT SILT FENCES, FILTER FABRIC FILTERS AND CATCH BASIN SLEEPS WEEKLY AND WITHIN 24 HOURS AFTER A STORM EVENT. CLEAN AND REPAIR WHEN NECESSARY.
 - DRAWING TO BE REVIEWED AND REVISED AS REQUIRED DURING CONSTRUCTION.
 - EROSION CONTROL FENCING TO BE ALSO INSTALLED AROUND THE BASE OF ALL STOCKPILES.

EROSION AND SEDIMENT CONTROL NOTES CONTINUED

** CONTRACTOR IS RESPONSIBLE FOR ALL INSTALLATION, MONITORING, REPAIR AND REMOVAL OF ALL EROSION AND SEDIMENT CONTROL FEATURES.**

- DO NOT LOCATE TOPSOIL PILES AND EXCAVATION MATERIAL CLOSER THAN 2.5m FROM ANY PAVED SURFACE, OR ONE WHICH IS TO BE PAVED BEFORE THE PILE IS REMOVED. ALL TOPSOIL PILES ARE TO BE SEEDDED IF THEY ARE TO REMAIN ON SITE LONG ENOUGH FOR SEEDS TO GROW LONGER THAN 30 DAYS.
- CONTROL WIND-BLOWN DUST OFF SITE BY SEEDING TOPSOIL PILES AND OTHER AREAS TEMPORARILY (PROVIDE WATERING AS REQUIRED AND TO THE SATISFACTION OF THE ENGINEER).
- NO ALTERNATE METHODS OF EROSION PROTECTION SHALL BE PERMITTED UNLESS APPROVED BY THE FIELD ENGINEER.
- CITY OF OTTAWA ROADWAY AND SIDEWALK TO BE CLEANED OF ALL SEDIMENT FROM VEHICULAR TRACKING AS REQUIRED.
- ANY MUD/MATERIAL 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 SPILLED OR TRACKED ONTO ADJUTING PROPERTIES OR PUBLIC STREETS DURING CONSTRUCTION AND PLACE 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 FOR 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.

LEGEND

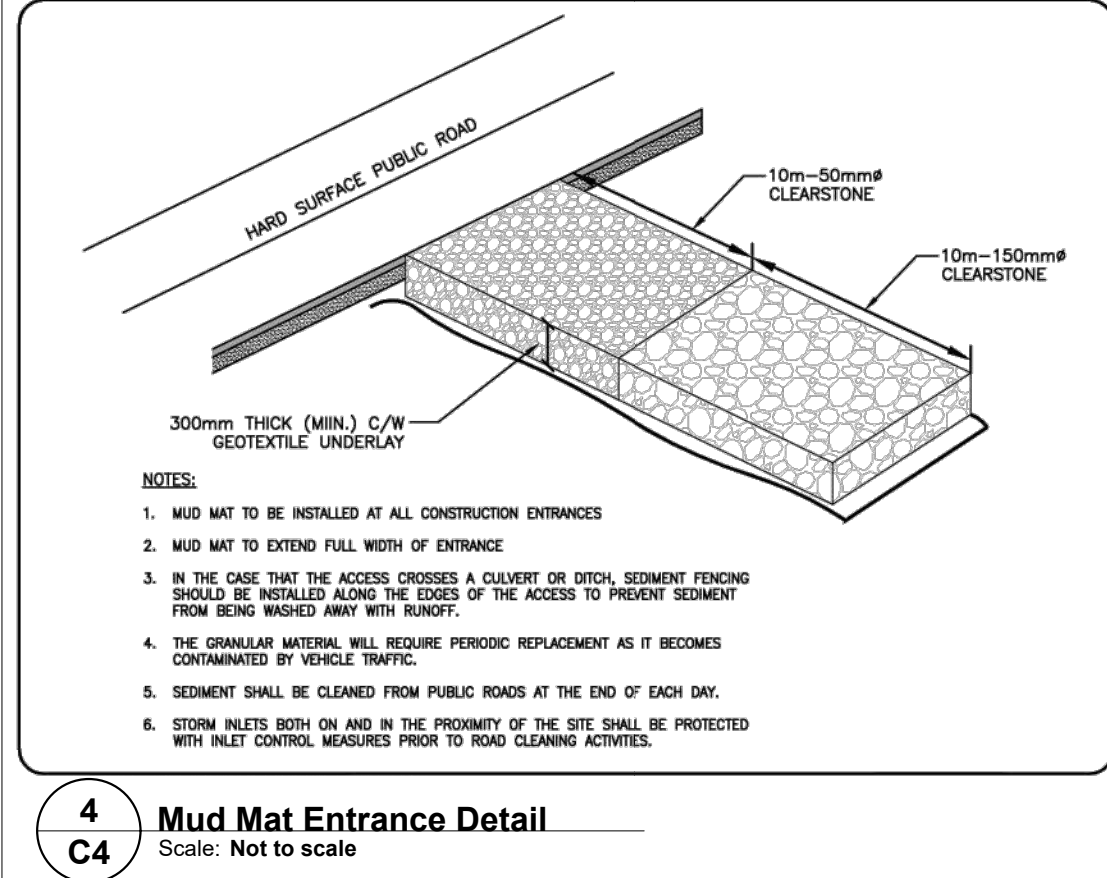
- PROPERTY LINE
- NEW BUILDING
- DEPRESSED CURB
- BREAK OF SLOPE - NEW
- NEW PROPOSED SWALE
- NEW SILT FENCE
- LIMIT OF HIGH POINT
- NEW LIGHT DUTY ASPHALT AS PER DETAIL 1 / C3
- NEW HEAVY DUTY ASPHALT AS PER DETAIL 2 / C3
- NEW CONCRETE PATHWAY
- MILLING & OVERLAY 50mm THICK HEAVY DUTY ASPHALT AS PER DETAIL 3 / C3
- NEW PRECAST PAVERS (TYPE-1 SEE LANDSCAPE)
- NEW ASPHALT PATHWAY AS PER DETAIL SC20
- 100mm TOPSOIL AND SOD
- EXISTING CONCRETE CURB
- NEW CONCRETE CURB
- PONDING LIMIT

LEGEND CONTINUED

- EXISTING CATCHBASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING UTILITY POLE
- EXISTING LIGHT STANDARD
- NEW CATCHBASIN
- NEW STORM MANHOLE / CATCHBASIN MANHOLE
- NEW REAR YARD CATCH BASIN
- NEW FIRE HYDRANT
- NEW WATER VALVE
- NEW INLET CONTROL DEVICE
- NEW ROOF DRAIN
- NEW SCUPPER AT 150mm ABOVE ROOF DRAIN LEVEL
- SEWER FLOW DIRECTION
- BUILDING ENTRANCE
- OVERLAND FLOW ROUTE

LEGEND CONTINUED

- EXISTING TREES

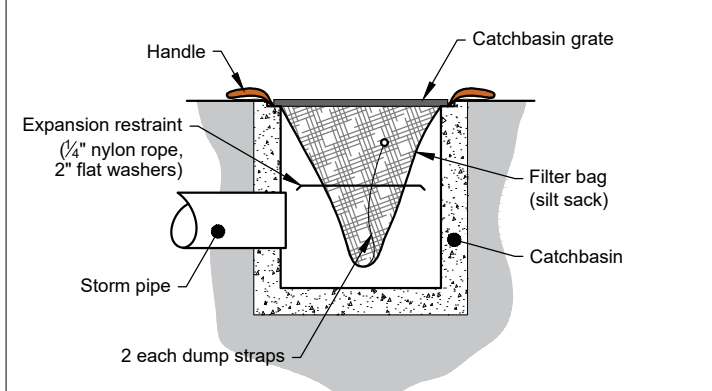
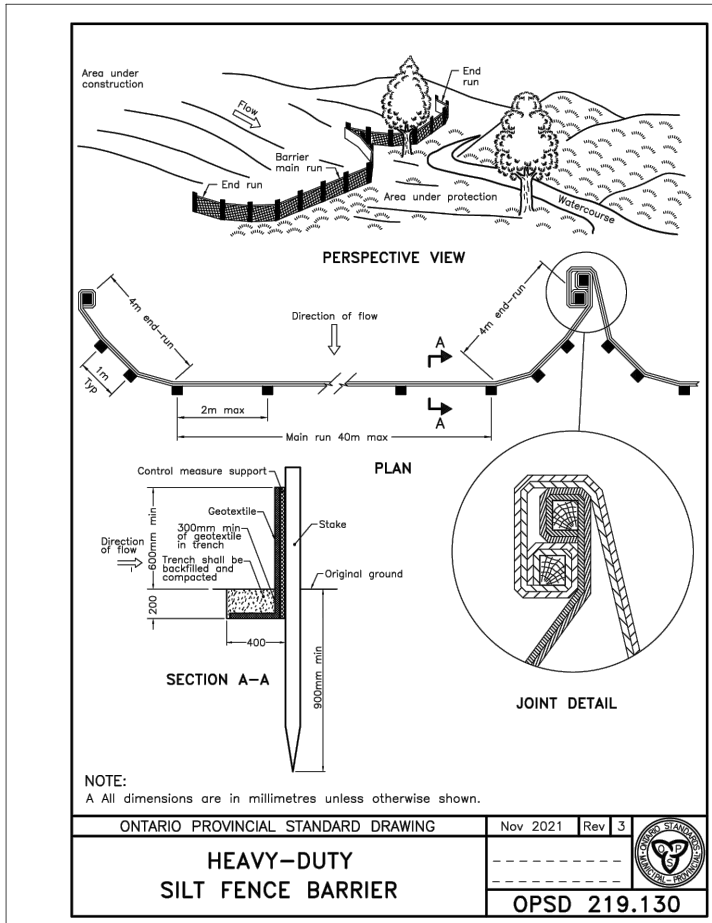


DRAWING NOTES

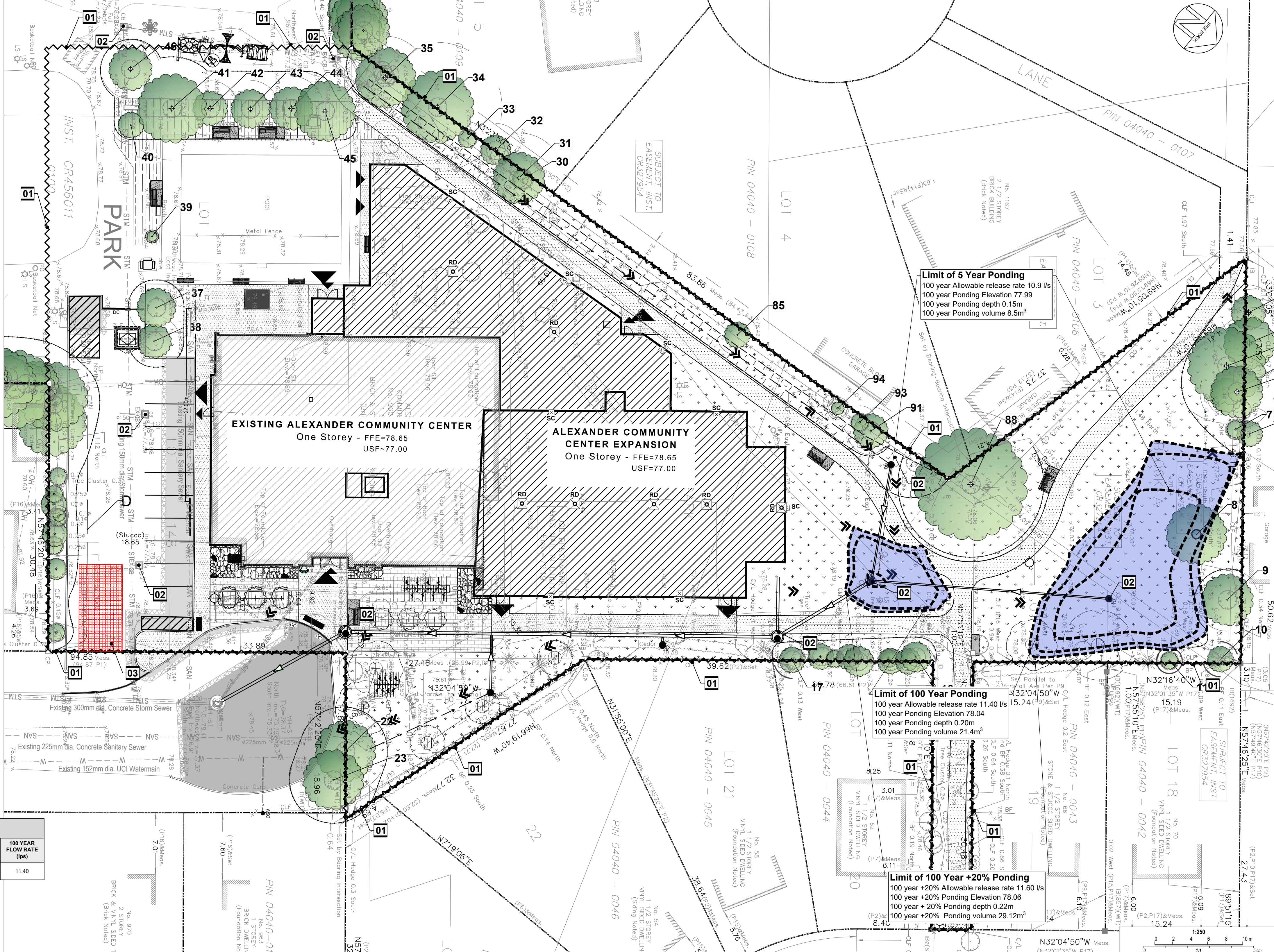
- INSTALL SILT FENCE IN ACCORDANCE WITH OPSD 219.130.
- INSTALL FILTER BAG (SILT SACK) TO PROTECT EXISTING CATCHBASINS & CATCHBASIN MANHOLES AS PER DETAIL 2/C4.
- INSTALL MUD MAT AS PER DETAIL 3/C4 DURING CONSTRUCTION.

EROSION AND SEDIMENT CONTROL NOTES

- THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES TO PROVIDE FOR PROTECTION OF THE AREA DRAINAGE SYSTEM AND THE RECEIVING WATER COURSE, DURING CONSTRUCTION ACTIVITIES. THIS INCLUDES LIMITING THE AMOUNT OF EXPOSED SOIL, INSTALLING SILT FENCES AND OTHER EFFECTIVE SEDIMENT TRAPS, AND INSTALLING AND MAINTAINING MUD MATS FOR OUTGOING CONSTRUCTION TRAFFIC DURING CONSTRUCTION ACTIVITIES.
- PREVENT SOIL LOSS DURING CONSTRUCTION (BY STORM WATER RUNOFF OR WIND EROSION).
- PROTECT TOPSOIL BY STOCKPILING FOR REUSE.
- PREVENT SEDIMENTATION OF STORM SEWERS AND RECEIVING STREAMS.
- PREVENT AIR POLLUTION FROM DUST AND PARTICULATE MATTER.
- ALL STORM MANHOLES AND CATCHBASIN MANHOLES TO HAVE 300mm SLEEPS. ALL CATCHBASINS TO HAVE 600mm SLEEPS.
- INSTALL FILTER BAG INSERT IN ALL STORM MANHOLES AND CATCH BASINS IMPACTED DURING CONSTRUCTION, INCLUDING CATCH BASINS IN THE RIGHT OF WAY.
- SEDIMENT AND EROSION CONTROL MEASURES MAY BE MODIFIED IN THE FIELD AT THE DISCRETION OF THE CITY OF OTTAWA INSPECTOR OR CONSERVATION AUTHORITY.
- STORM WATER PUMPED INTO MUNICIPALITY OF CITY OF OTTAWA SERVICE SHALL FLOW THROUGH A FILTER SOCK.
- THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENTATION CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.



ICD	LOCATION	PIPE SIZE (mm)	ICD SIZE (mm)	100 YEAR HEAD (m)	100 YEAR FLOW RATE (l/s)
ICD-1	CB-1	300	83	0.61	11.40



6			
5			
4	ISSUED FOR SITE PLAN CONTROL REV-2	2608020	R.I. / Z.B.
3	ISSUED FOR 90% REVIEW / PERMIT	2605026	R.I. / Z.B.
2	ISSUED FOR 60%	260417	R.I. / Z.B.
1	ISSUED FOR SITE PLAN CONTROL REV-1	260414	R.I. / Z.B.
NUMBERS / NUMÉROS	MILESTONE / FAT SAILLANT	DATE / (MM/SS)	INITIALS / INITIALES
DESIGNED BY / CONÇU PAR	ZACH BAUMAN	DRAWN BY / DÉSSINÉ PAR	ALI SAMMOUR
SCALE / ÉCHELLE	1:250		

DETAIL NUMBER	1
DRAWING TITLE	A1.1
SCALE	
SHEET NUMBER	

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ARCHITECT / ARCHITECTE	CONSULTANT / EXPERT-CONSEIL
CONSULTANT / EXPERT-CONSEIL	CONSULTANT / EXPERT-CONSEIL

LICENSED PROFESSIONAL ENGINEER Z. E. BAUMAN 100578796 PROVINCE OF ONTARIO	LICENSED PROFESSIONAL ENGINEER ALI SAMMOUR 100227665 PROVINCE OF ONTARIO
--	---

PROJECT / LOCATION / PROJET / ENDROIT
**960 Silver Street
CENTRE EXPANSION**

950 Silver Street
OTTAWA, ONTARIO

DRAWING / DESSIN

**STORM WATER MANAGEMENT
AND EROSION SEDIMENT
CONTROL PLAN**

BUSINESS ENTITY / NUMÉRO DE L'ENTITÉ BUILDING NUMBER / NUMÉRO DU BÂTIMENT	SHEET NO. / FEUILLE NO. C.04
CITY PROJECT NO. / NO. DE PROJET CF001822	CONS. PROJECT NO. / NUMÉRO DE PROJET 25-1170A

6			
5			
4	ISSUED FOR SITE PLAN CONTROL REV.2	2608/20	R.I./Z.B.
3	ISSUED FOR 90% REVIEW / PERMIT	2605/26	R.I./Z.B.
2	ISSUED FOR 60%	2604/17	R.I./Z.B.
1	ISSUED FOR SITE PLAN CONTROL REV.1	2604/14	R.I./Z.B.
MILESTONE / FAIT SAILLANT		DATE: (Y/M/D)	INITIALS: (M/M/D)
ZACH BAUMAN		ALI SAMMOUR	
DRAWN BY / DESSEINÉ PAR		SCALE / ÉCHELLE	
RAFAT ISMAIL		1:250	

1	DRAWING TITLE
A1.1	SCALE
	SHEET NUMBER

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CE DESSIN CONSTITUE LA PROPRIÉTÉ DE LA VILLE D'OTTAWA ET TOUT DROIT D'AUTEUR EST RÉSERVÉ. AUCUNE PARTIE DE CE DESSIN NE DOIT ÊTRE REPRODUITE NI TRANSMISE, QUEL QUE SOIT LE MOYEN, ÉLECTRONIQUE OU MÉCANIQUE, Y COMPRIS LE PHOTOCOPIAGE, L'ENREGISTREMENT, OU L'UTILISATION D'UN SYSTÈME DE STOCKAGE ET DE RÉTRIBUTION D'INFORMATION, SANS LA PERMISSE ÉCRITE DE LA VILLE D'OTTAWA.

ARCHITECT / ARCHITECTE
CONSULTANT / EXPERT-CONSEIL

CONSULTANT / EXPERT-CONSEIL
CONSULTANT / EXPERT-CONSEIL



PROJECT / LOCATION / PROJET / ENDROIT

960 Silver Street
CENTRE EXPANSION

950 Silver Street
OTTAWA, ONTARIO

DRAWING / DESSIN

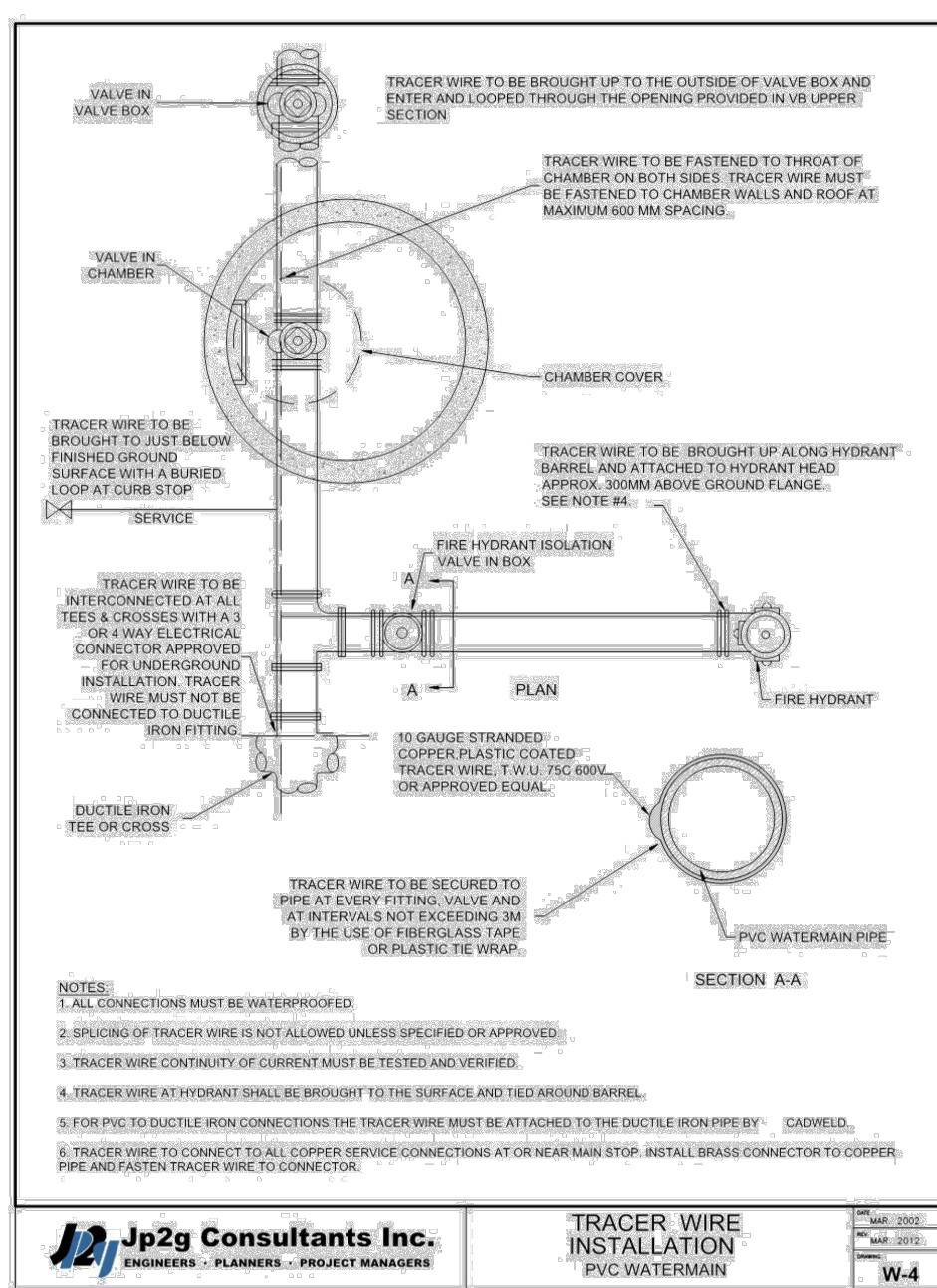
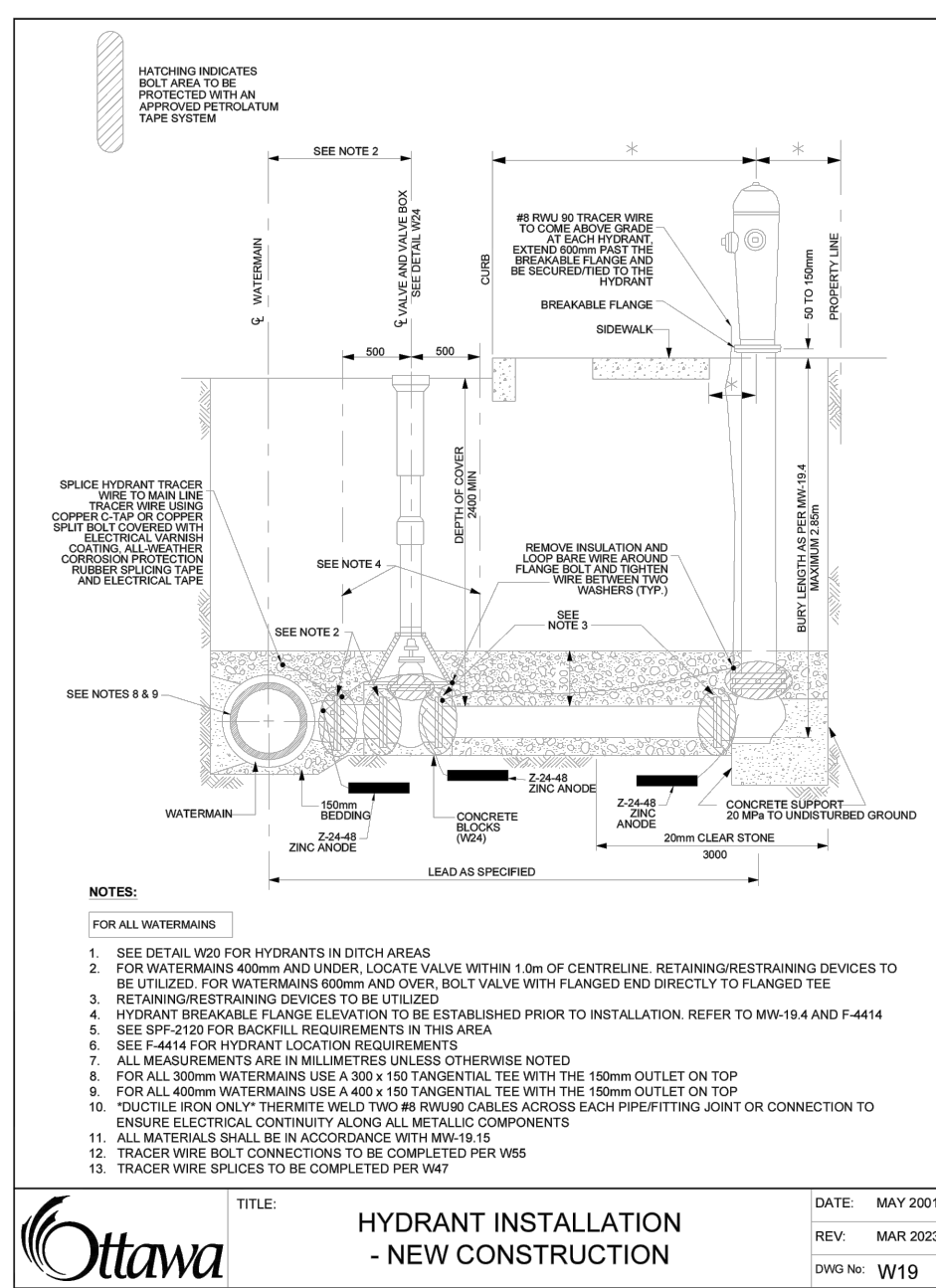
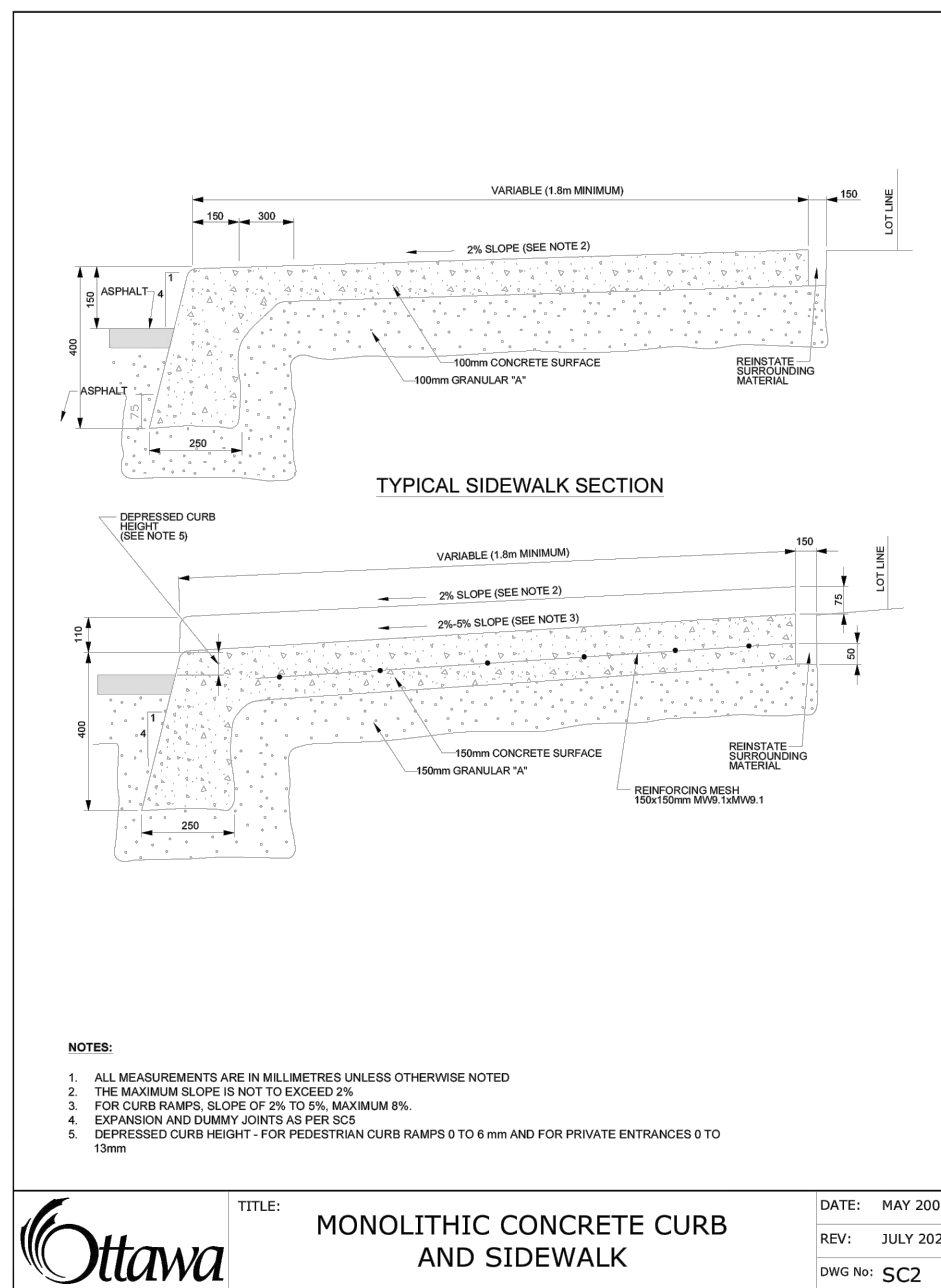
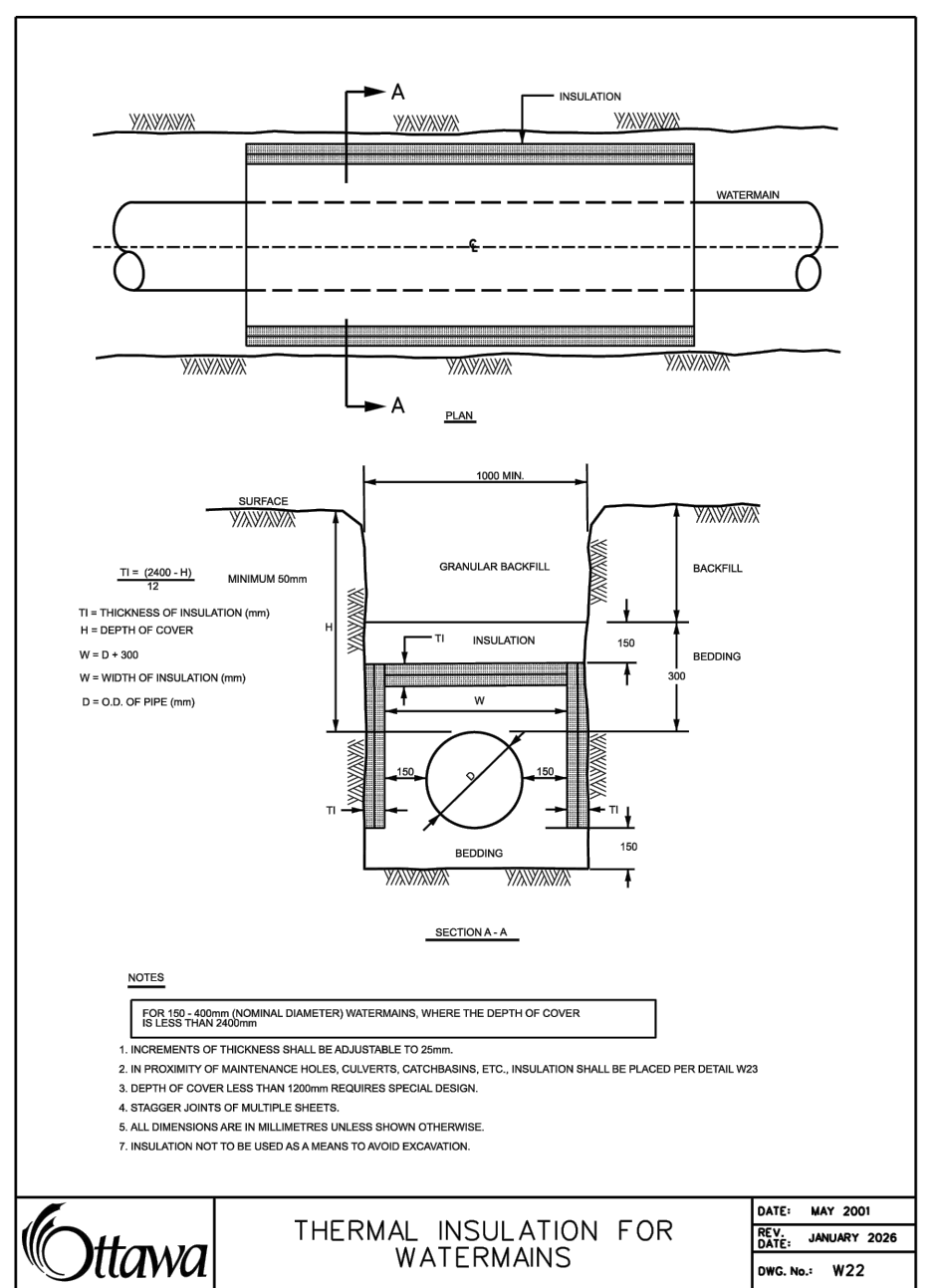
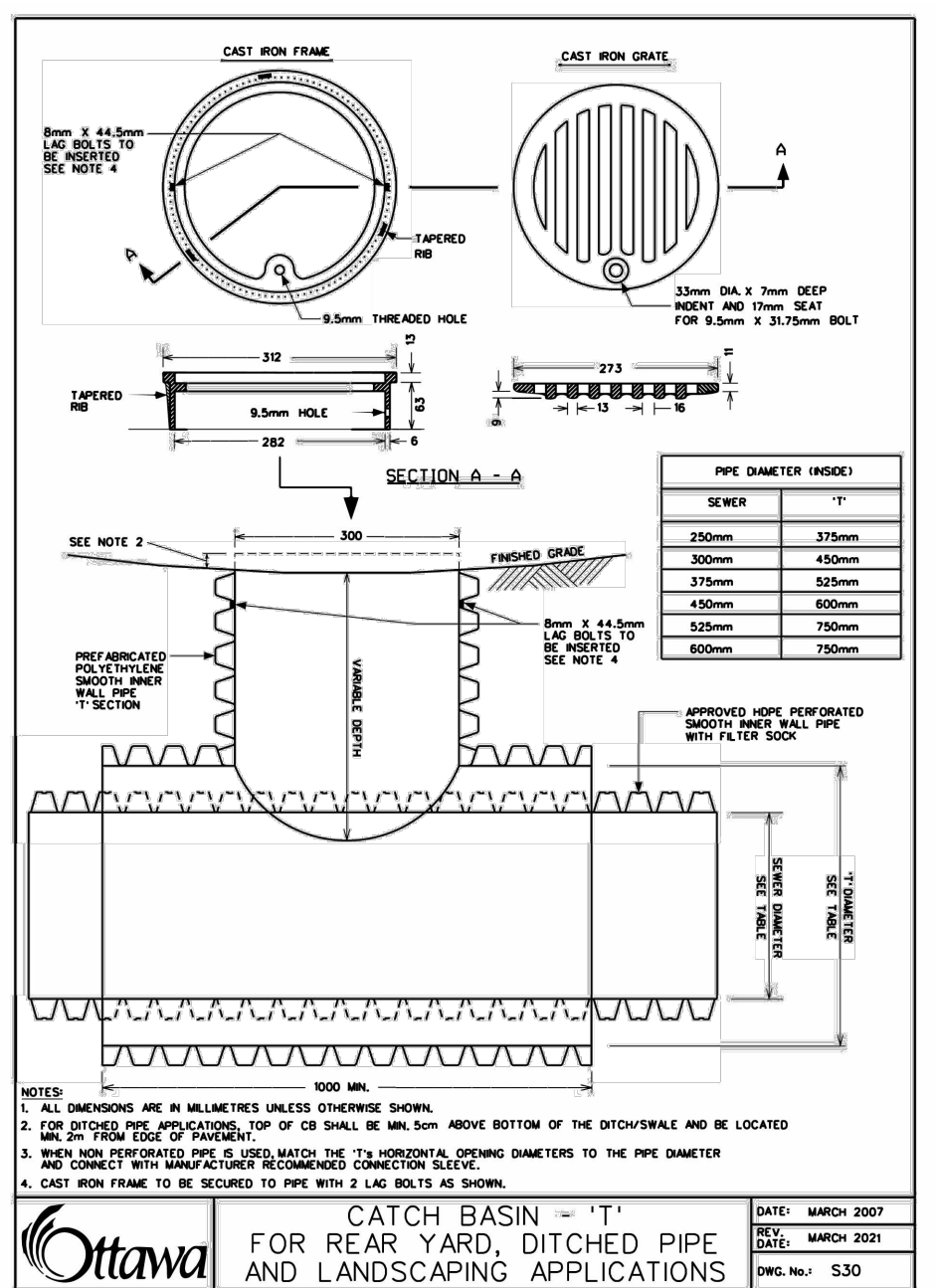
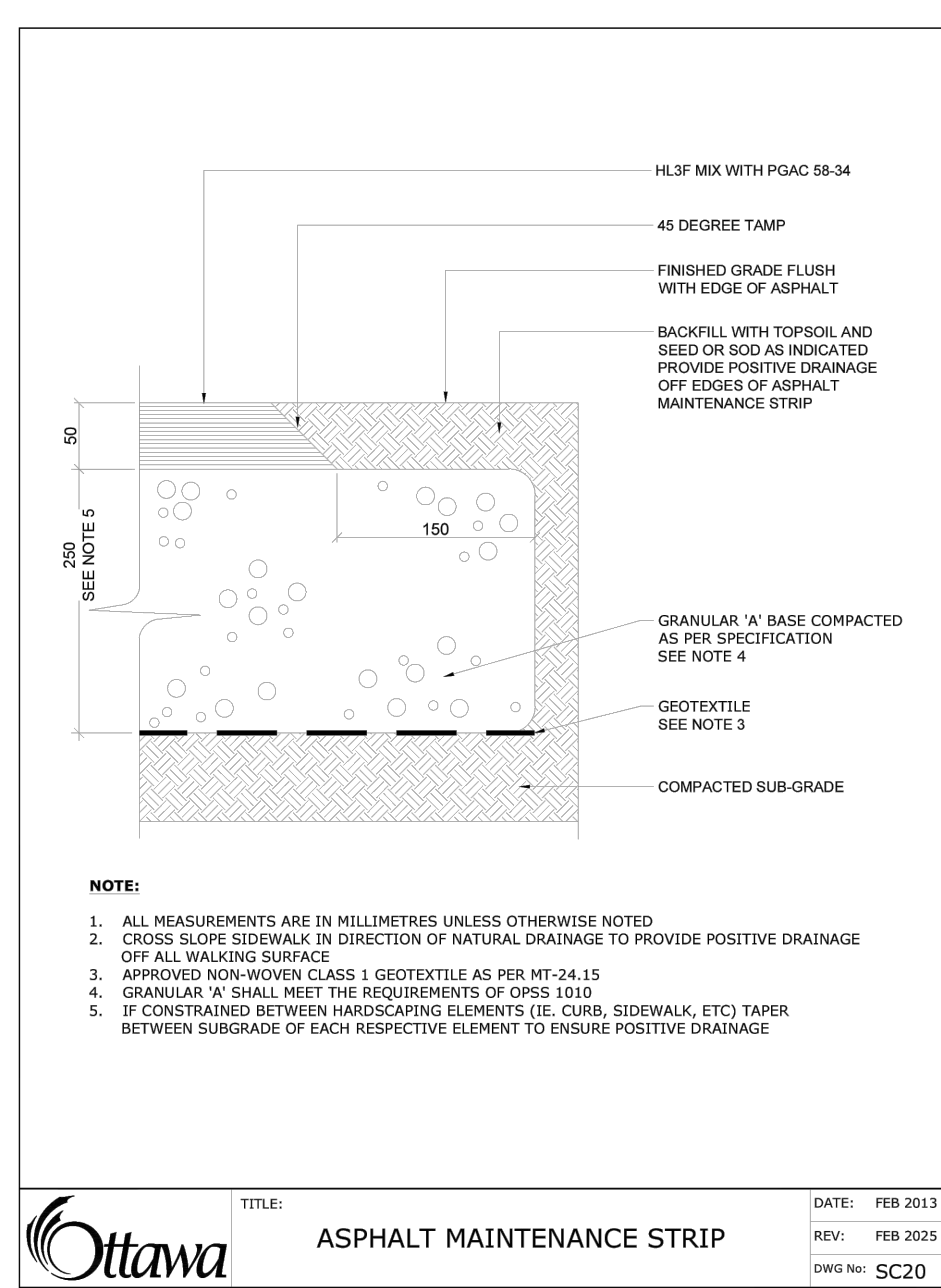
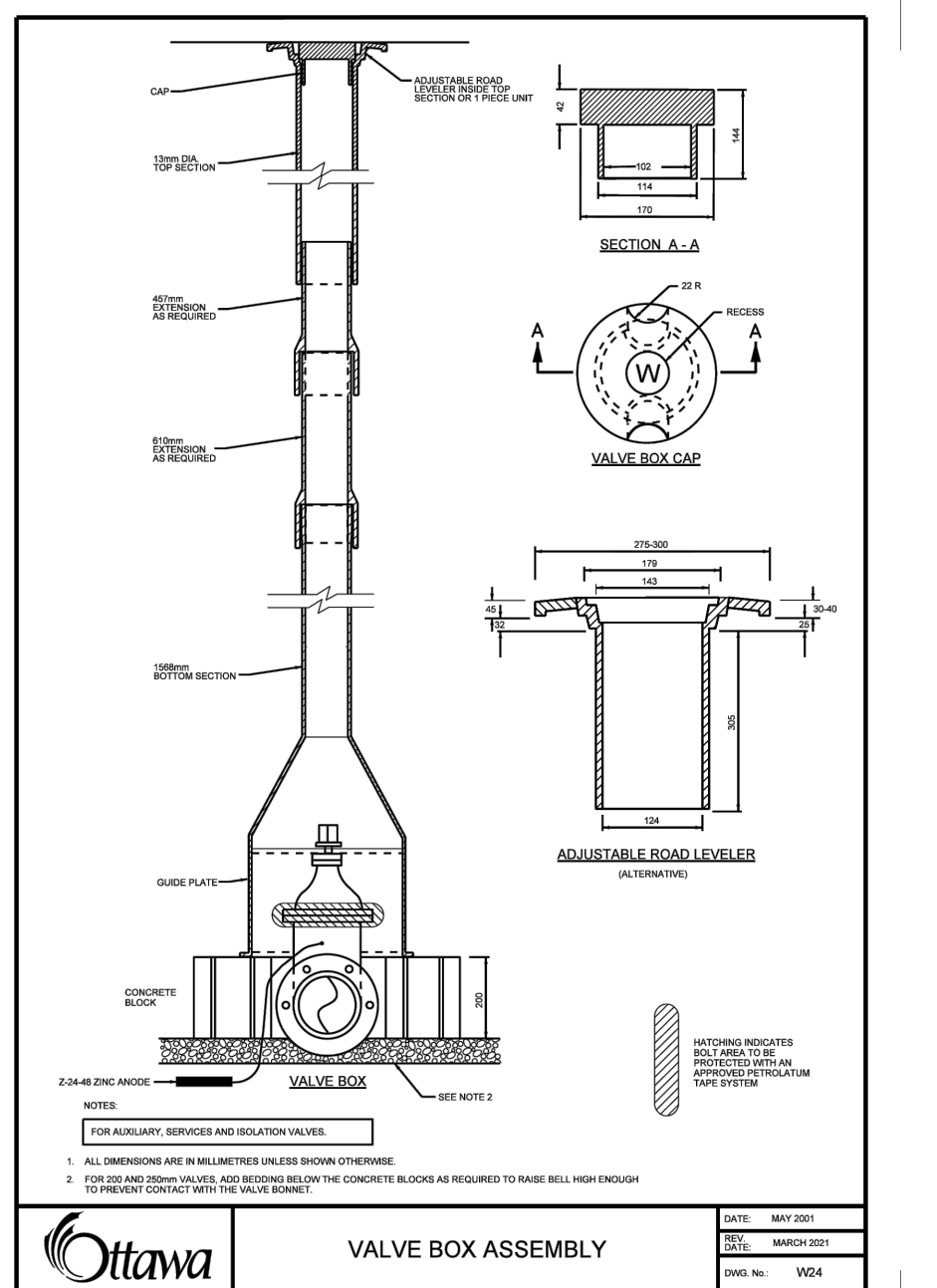
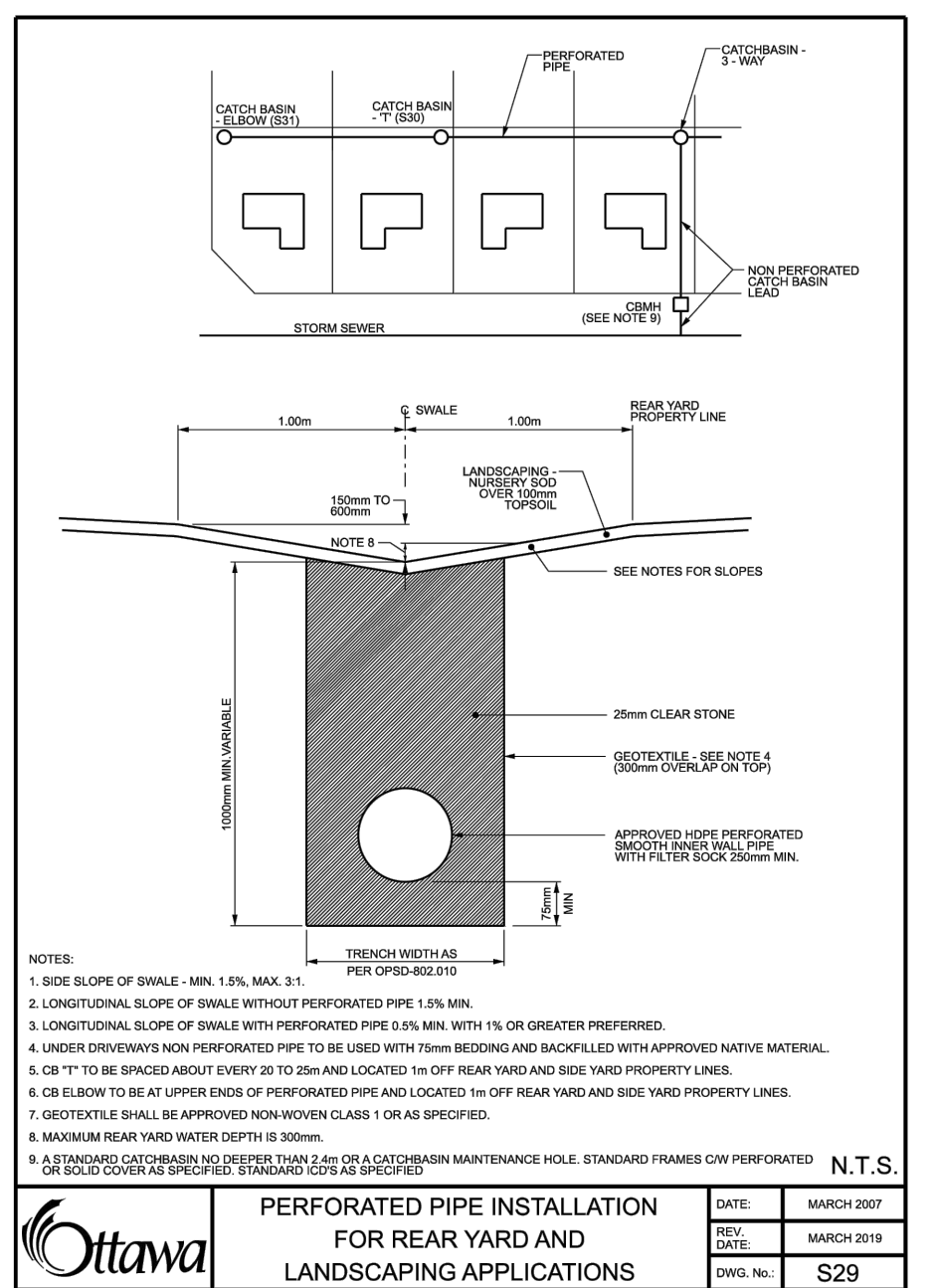
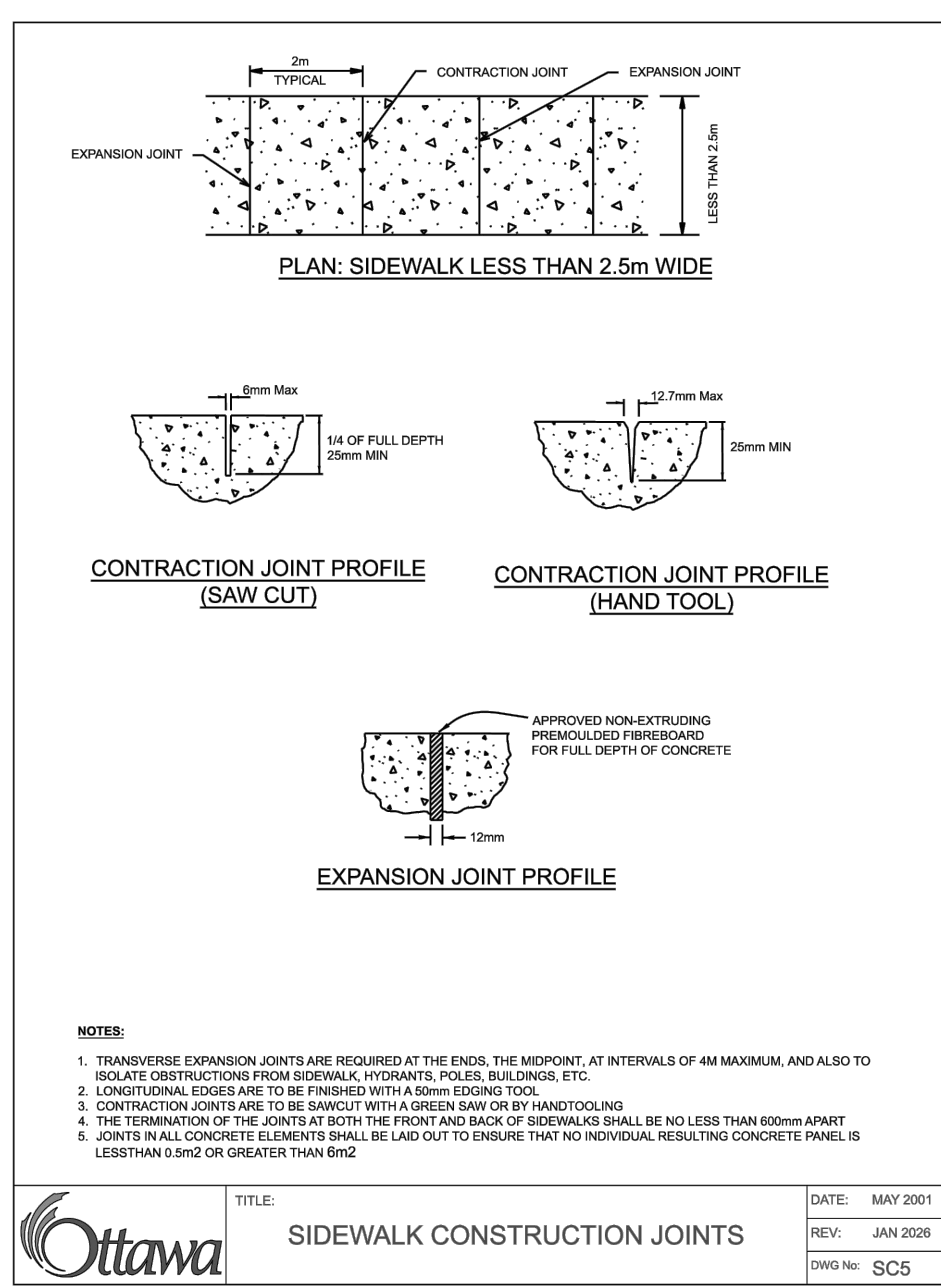
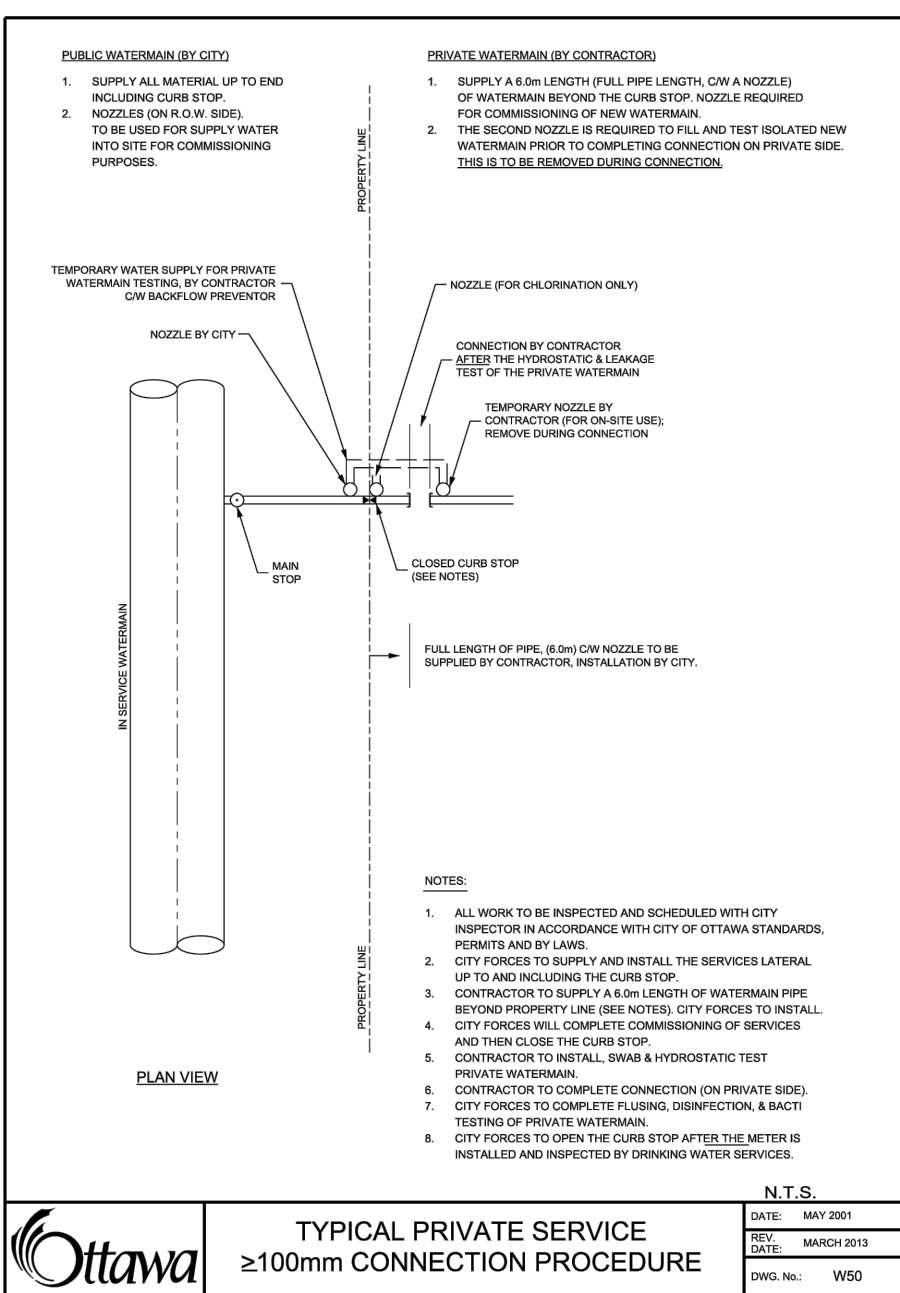
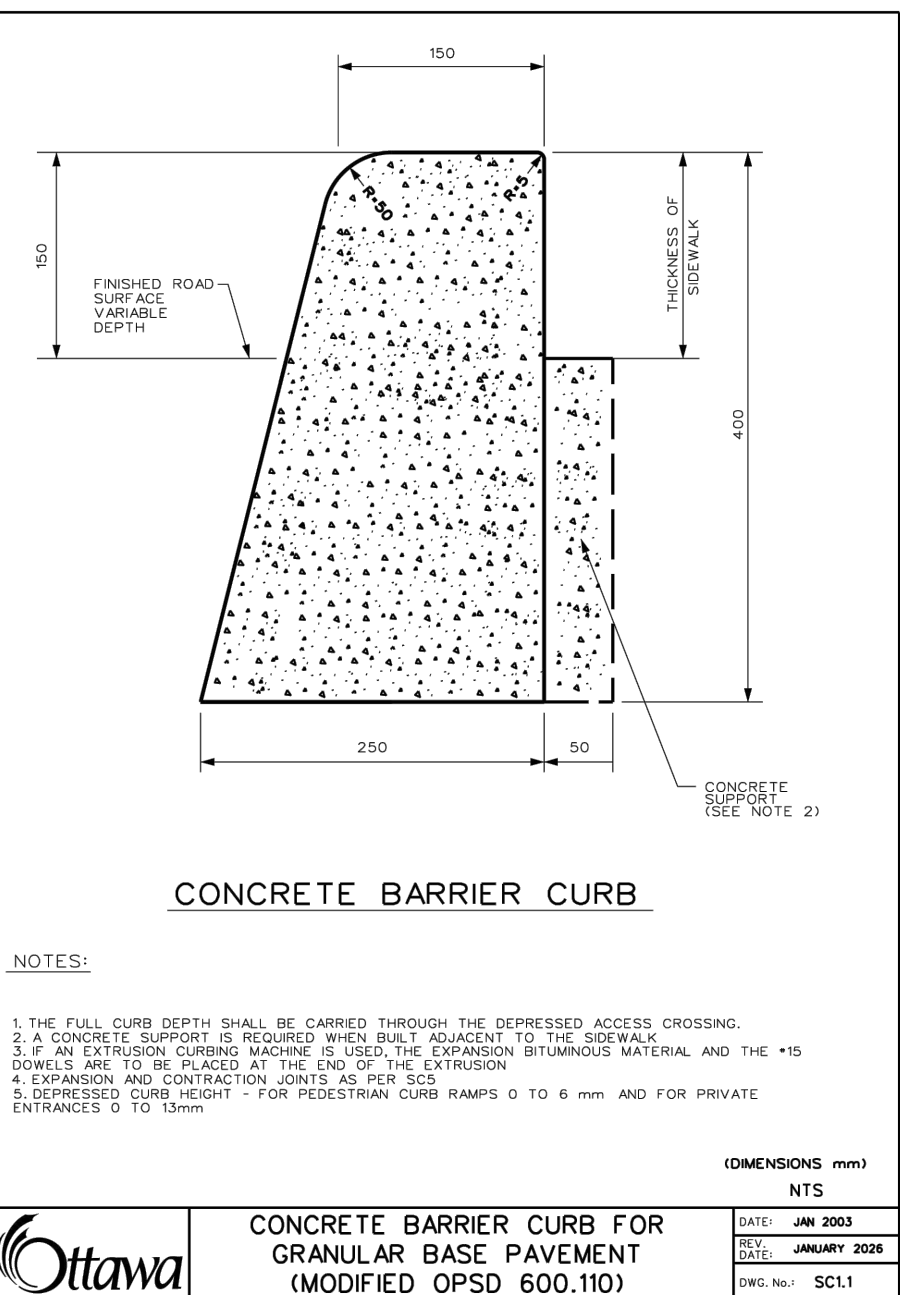
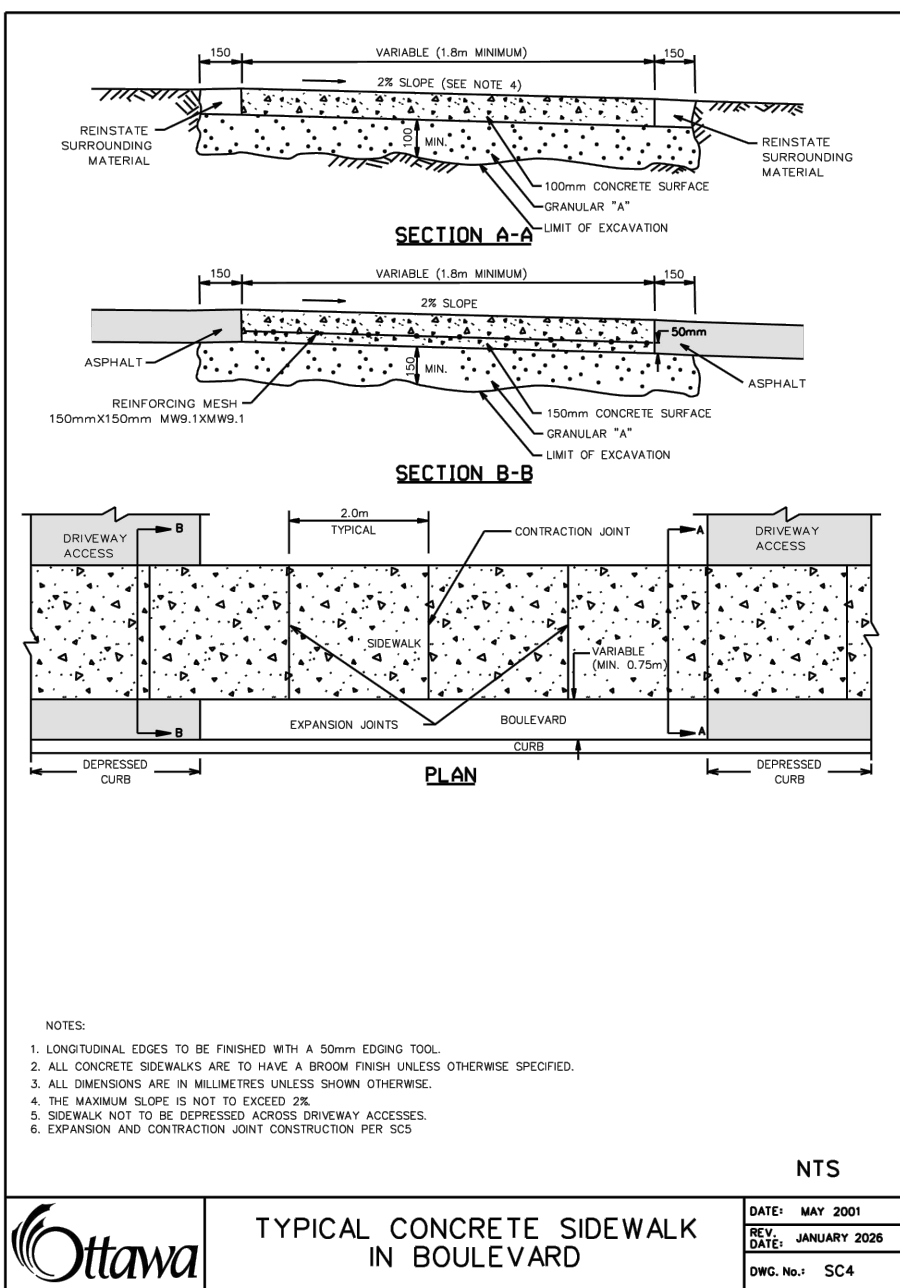
DETAILS-I

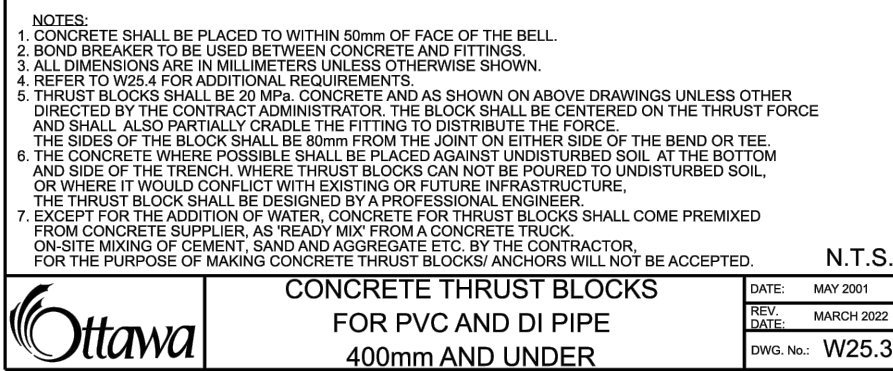
BUSINESS ENTITY / NUMERO DE L'ENTITE
BUILDING NUMBER / NUMERO DU BATIMENT

CITY PROJECT NO. / CONS. PROJECT NO. / NUMERO DE PROJET

CF001822 25-1170A

DET-1





2. SOIL DESCRIPTION: SILTY SAND GRAVELS OR CLAYEY SAND GRAVEL MIXTURES, MODERATE AMOUNT OF FINES.

SOILS WITH TYPICAL BEARING STRENGTH OF 200 TO 299 KP.

PIPE DIAMETER	DIMENSION NOTED ON W25.3			
	A	B	C	D
102	200	200	150	150
152	250	250	200	200
203	350	350	250	270
254	450	450	350	350
305	500	500	350	400
406	750	750	400	600

3. SOIL DESCRIPTION: SANDS, GRAVELS AND GRAVEL-SAND MIXTURES, LITTLE OR NO FINES.

SOILS WITH TYPICAL BEARING STRENGTH OF 300 KPa AND OVER

PIPE DIAMETER	DIMENSION NOTED ON W25.3			
	A	B	C	D
102	150	150	150	150
152	200	200	200	200
203	300	300	200	230
254	400	400	250	270
305	450	450	300	300
406	650	650	350	450

**THRUST BLOCK DIMENSION
FOR PVC AND DI PIPE
400mm AND UNDER**



REDUCERS		LARGER DIAMETER SIDE (TO BE RESTRAINED)					
SMALLER DIAMETER (UNRESTRAINED)		100mm	150mm	200mm	250mm	300mm	400mm
100mm		N/A	3	6	8	10	14
150mm		N/A	N/A	4	6	9	13
200mm		N/A	N/A	N/A	3	6	11
250mm		N/A	N/A	N/A	N/A	4	9
300mm		N/A	N/A	N/A	N/A	N/A	7
400mm		N/A	N/A	N/A	N/A	N/A	N/A

PIPE DIAMETER
100mm 150mm 200mm 250mm 300mm 400mm

DEAD ENDS, CAPS, PLUGS, VALVES						
BEFORE CAPS AND EITHER SIDE OF VALVES -	5	6	9	10	12	16

VERTICAL BENDS						
LENGTH HIGH SIDE - LHS	3	4	5	6	7	9
LENGTH LOW SIDE - LLS	1.5	2	2.5	3	3.5	4.5

TEES						
LENGTH ALONG THE BRANCH - L	1	1	1	1	1	1
LENGTH ALONG THE RUN - L _r	3	3	3	3	3	3

HORIZONTAL BENDS						
11.25, 22.5, AND 45 DEGREE BENDS	1	1.5	1.5	2	2	2.5

1. **NOTE:** THE ABOVE RESTRICTION LENGTHS MUST NOT EXCEED THE WATERMASS DESIGN CRITERIA FOR FUTURE ACTIVITIES AUTHORIZED UNDER A MINIMUM WATERMASS WORKSHEET.

2. THE ASSUMPTIONS MADE FOR THE ABOVE CALCULATIONS ARE AS FOLLOWS:

a) MAXIMUM OPERATING PRESSURE OF 100 psig

b) MAXIMUM FLOW PRESSURE IN THE MAIN LINE OF 100 psig

c) MAXIMUM FLOW PRESSURE IN THE BRANCH LINE OF 50 psig

d) MAXIMUM FLOW PRESSURE IN THE BRANCH LINE OF 50 psig

e) MAXIMUM FLOW PRESSURE IN THE BRANCH LINE OF 50 psig

f) MAXIMUM FLOW PRESSURE IN THE BRANCH LINE OF 50 psig

3. FOR FORTHCOMING CALCULATIONS A TEST PRESSURE OF 100 psig AND A SAFETY FACTOR OF 1.5 WAS USED. WHEREHIN IN 20 psig MAXIMUM PRESSURE WAS USED.

4. TYPE 15 STEEL WAS ASSUMED FOR ALL CALCULATIONS.

5. DEPTH TO BURY A STREET CATCHER FOR VERTICAL BENDS HEREIN THE HIGH SIDE IS 4.1 METERS.

6. EMBARKMENT MATERIAL, GRANULAR X WITH CHARACTERISTICS OF ASPHALT DRAIN AGG.

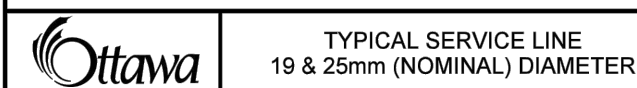
7. SOLE TIES DISCUSSED IN PARAGRAPH 10, GRANULAR SAND AND SANDWICHED, MIXED WITH LITTLE OR NO FIBER.

8. 50 M/M BT OF SOLID PIPE WITHOUT JOINTS, FITTINGS, ETC.

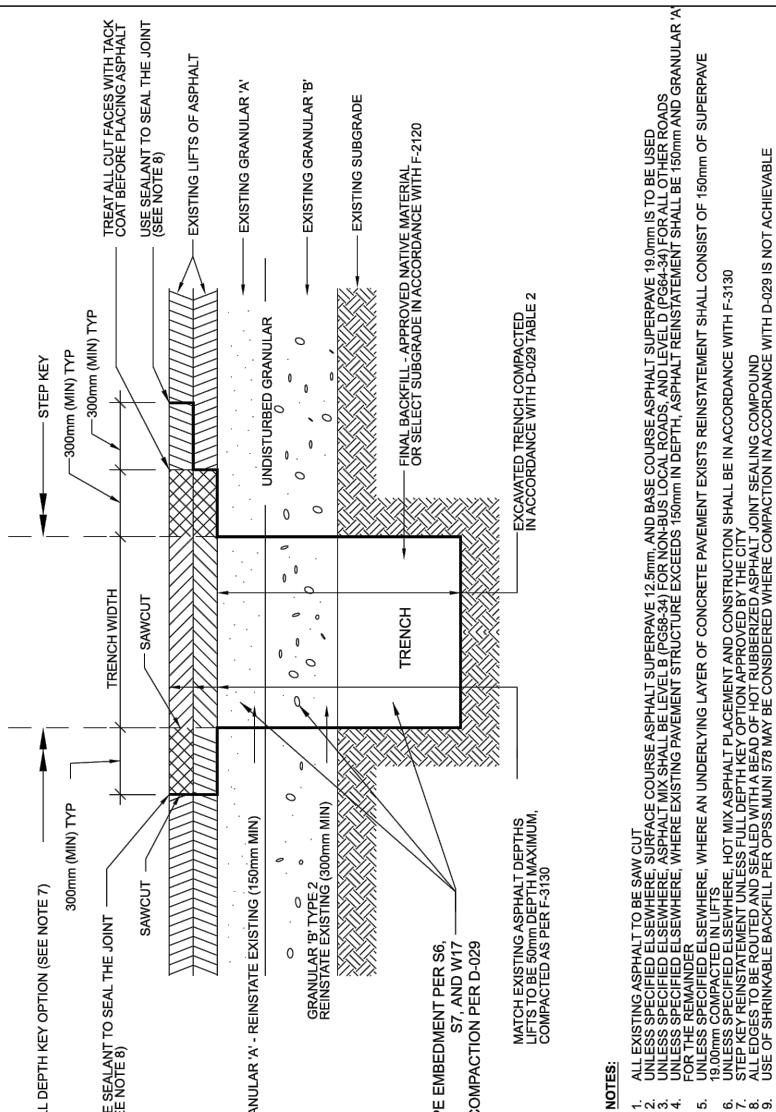
9. THE TABLE APPLIES TO BOTH DUCTILE IRON PIPE, WHERE THE ONE-WHOLE LENGTH WAS USED.

10. RESTRICTION LENGTHS ARE IN METERS.

TABLES OF RESTRAINED LENGTHS
FOR PVC AND DI PIPE
400mm AND UNDER



DATE:	MAY 2021
REV. DATE:	MARCH 2021
CHRG. NO.:	W26



TITLE: STANDARD TRENCH REINSTATEMENT
IN PAVED SURFACE

DATE:	MAY 2001
REV:	JAN 2020
QWC No:	240



Ottawa
INFRASTRUCTURE SERVICES
DESIGN AND CONSTRUCTION

SERVICES D'INFRASTRUCTURE
DIRECTION DE CONCEPTION ET DE CONSTRUCTION

FOR / POUR
Client - Department
Infrastructure and Water Services Department
Design & Construction

6			
5			
4	ISSUED FOR SITE PLAN CONTROL REV-2	20/08/20	R.1 / Z.B.
3	ISSUED FOR 99% REVIEW	26/05/26	R.1 / Z.B.
2	ISSUED FOR 66%	26/04/17	R.1 / Z.B.
1	ISSUED FOR SITE PLAN CONTROL REV-1	26/04/14	R.1 / Z.B.

NUMBER/ NUMERO	MILESTONE / FAIT SAILLANT	DATE: (Y/M/D) (A/M/J)	INITIALS INITIALES
DESIGNED BY / CONÇU PAR ZACH BAUMAN		CHECKED BY / VÉRIFIÉ PAR ALI SAMMOUR	
DRAWN BY / DÉSSINE PAR RAFAT ISMAIL		SCALE / ÉCHELLE 1:250	

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ARCHITECT / ARCHITECTE

CONSULTANT / EXPERT-CONSEIL

CONSULTANT / EXPERT-CONSEILCONSULTANT / EXPERT-CONSEIL

PROJECT / LOCATION / PROJET / ENDROIT

ALEXANDER COMMUNITY
CENTRE EXPANSION

960 Silver Street
OTTAWA, ONTARIO

DRAWING / DESSIN

DETAILS-II

BUSINESS ENTITY / NUMÉRO DE L'ENTITÉ
BUILDING NUMBER / NUMÉRO DU BÂTIMENT

SHEET NO. / FEUILLE No

DET-2

CF001822	25-1170A
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25-1170A