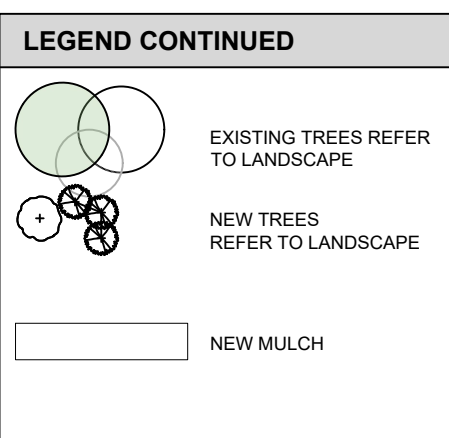


LEGEND

- PROPERTY LINE
- NEW BUILDING
- DEPRESSED CURB
- BREAK OF SLOPE - NEW
- NEW PROPOSED SWALE
- NEW PERIMETER FOUNDATION DRAINAGE
- 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
- PRECAST PAVERS (SEE LANDSCAPE)
- NEW ASPHALT PATHWAY AS PER DETAIL SC20
- 100mm TOP SOIL AND SOD
- EXISTING CONCRETE CURB
- NEW CONCRETE CURB
- EXISTING CATCHBASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY MANHOLE
- EXISTING FIRE HYDRANT

LEGEND CONTINUED

- 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
- PROPOSED ELEVATION & EXISTING NATURAL GRADE
- PROPOSED ELEVATION
- PROPOSED BOTTOM OF CURB ELEVATION
- PROPOSED TOP OF CURB ELEVATION
- PROPOSED SLOPE
- OVERLAND FLOW ROUTE



GEOTECHNICAL NOTES

- A GEOTECHNICAL ENGINEER LICENSED IN THE PROVINCE OF ONTARIO SHALL INSPECT ALL SUBGRADE SURFACES FOR FOOTING AND TRENCHES, PIPE BEDDING AND PAVEMENT STRUCTURES PRIOR TO CONSTRUCTION.
- IT IS STRICTLY RECOMMENDED TO REFER GEOTECHNICAL INVESTIGATION REPORT - PROPOSED ADDITION TO ALEXANDER COMMUNITY CENTRE 960 SILVER STREET OTTAWA, ONTARIO BY EXP SERVICES INC.
- IT IS ANTICIPATED THAT THE MAJORITY OF THE MATERIAL REQUIRED FOR BACKFILLING PURPOSES AND FOR TRENCH BACKFILL WOULD HAVE TO BE IMPORTED AND SHOULD CONFORM TO THE RECOMMENDATION STATED IN THE GEOTECHNICAL REPORT.
- CONTRACTOR BIDDING ON THIS PROJECT MUST REVIEW AVAILABLE DATA AND DECIDE ON THEIR OWN THE BEST METHOD FOR THE EXCAVATION OF THE BEDROCK IF DEEMED REQUIRED.
- IT IS RECOMMENDED THAT THE BEDDING FOR THE UNDERGROUND SERVICES INCLUDING MANHOLE SPECIFICATIONS, THICKNESS OF COVER MATERIAL AND COMPACTION REQUIREMENTS CONFORM TO MUNICIPAL REQUIREMENTS AND/OR ONTARIO PROVINCIAL STANDARD SPECIFICATION AND DRAWINGS (OPSS AND ORSD).
- IT IS RECOMMENDED THAT THE PIPE BEDDING BE 300mm THICK AND CONSIST OF OPSS GRANULAR A. THE BEDDING MATERIAL SHOULD BE PLACED ALONG THE SIDES AND ON TOP OF THE PIPE TO PROVIDE A MINIMUM COVER OF 300mm. THE BEDDING SHOULD BE COMPACTED TO AT LEAST 98 PERCENT OF THE SPMD.
- THE BEDDING THICKNESS MAY BE FURTHER INCREASED IN AREAS WHERE THE SUBGRADE BECOMES DISTURBED.
- SINCE PAVED SURFACES WILL BE LOCATED OVER SERVICE TRENCHES, IT IS RECOMMENDED THAT THE TRENCH BACKFILL MATERIAL WITHIN THE FROST ZONE (UP TO 1.8 M BELOW FINISHED GRADE), SHOULD MATCH THE EXISTING MATERIAL IN THE ROADWAY TO MINIMIZE DIFFERENTIAL FROST HEAVING OF THE SUBGRADE. THE TRENCH BACKFILL SHOULD BE PLACED IN 300mm THICK LIFTS AND EACH LIFT SHOULD BE COMPACTED TO 95 PERCENT SPMD.
- THE BEDROCK/AUGER REFUSAL DEPTHS ACROSS THE SITE WERE VARIABLE. SHALLOW BEDROCK AND LARGE BOLLERS SHOULD BE EXPECTED DURING THE INSTALLATION OF ANY SERVICES AT THE SITE AND CONTRACTORS BIDDING ON THIS WORK SHOULD ANTICIPATE THESE CONDITIONS.

GEOTECHNICAL NOTES CONTINUED

- IT IS ANTICIPATED THAT THE MAJORITY OF THE MATERIAL REQUIRED FOR TRENCH BACKFILL AND SUBGRADE FILL IN PARKING AREA AND ACCESS ROADS WOULD HAVE TO BE IMPORTED AND SHOULD CONFORM TO OPSS 1010 SELECT SUBGRADE MATERIAL (SSM) - COMPACTED TO 95 PERCENT OF THE SPMD AND THE UPPER 300 MM OF THE SUBGRADE FILL MUST BE COMPACTED TO 98% SPMD.
- AS PART OF THE SUBGRADE PREPARATION, THE PROPOSED PARKING AREA, PAVED AREA AND ACCESS ROADS SHOULD BE STRIPPED OF TOPSOIL AND OTHER OBVIOUSLY UNSUITABLE MATERIAL. THE SUBGRADE SHOULD BE PROPERLY SHAPED, CROWNED, THEN PROOF ROLLED WITH A HEAVY VIBRATORY ROLLER IN THE FULL-TIME PRESENCE OF A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER. ANY SOFT OR SPONGY SUBGRADE AREAS DETECTED SHOULD BE SUB-EXCAVATED AND PROPERLY REPLACED WITH SUITABLE APPROVED BACKFILL COMPACTED TO 95 PERCENT SPMD (ASTM D2069-12E2).
- THE SUBDRAINS ILLUSTRATED ON PLANS ARE SCHEMATIC. FULL SCHEMATIC OF SUBDRAINS SHOULD BE INSTALLED ON BOTH SIDES OF THE ACCESS ROAD(S). SUBDRAINS SHOULD BE INSTALLED ON BOTH SIDES OF THE ACCESS ROAD(S). SUBDRAINS MUST BE INSTALLED IN THE PROPOSED PARKING AREA AT LOW POINTS AND SHOULD BE CONTINUOUS BETWEEN CATCHBASINS TO INTERCEPT EXCESS SURFACE AND SUBSURFACE MOISTURE AND TO PREVENT SUBGRADE SOFTENING. THIS WILL ENSURE NO WATER COLLECTS IN THE GRANULAR COURSE, WHICH COULD RESULT IN PAVEMENT FAILURE DURING THE SPRING THAW. THE LOCATION AND EXTENT OF SUBDRAINS REQUIRED WITHIN THE PAVED AREAS SHOULD BE REVIEWED BY THE GEOTECHNICAL ENGINEER IN CONJUNCTION WITH THE PROPOSED SITE GRADING.
- TO MINIMIZE THE PROBLEMS OF DIFFERENTIAL MOVEMENT BETWEEN THE PAVEMENT AND CATCHBASIN/MANHOLE DUE TO FROST ACTION, THE BACKFILL AROUND THE STRUCTURES SHOULD CONSIST OF FREE DRAINING GRANULAR PREFERABLY CONFORMING TO OPSS GRANULAR B TYPE II MATERIAL. WEEP HOLES SHOULD BE PROVIDED IN THE CATCHBASIN/MANHOLES TO FACILITATE DRAINAGE OF ANY WATER THAT MAY ACCUMULATE IN THE GRANULAR FILL.
- THE MOST SEVERE LOADING CONDITIONS ON LIGHT-DUTY PAVEMENT AREAS AND THE SUBGRADE MAY OCCUR DURING CONSTRUCTION. CONSEQUENTLY, SPECIAL PROVISIONS SUCH AS RESTRICTED LANES, HALF LOADS DURING PAVING, TEMPORARY CONSTRUCTION ROADWAYS, ETC. MAY BE REQUIRED, ESPECIALLY IF CONSTRUCTION IS CARRIED OUT DURING UNFAVORABLE WEATHER.
- THE FINISHED PAVEMENT SURFACE SHOULD BE FREE OF DEPRESSIONS AND SHOULD BE SLOPED (PREFERABLY AT A MINIMUM CROSS FALL OF 2 PERCENT) TO PROVIDE EFFECTIVE SURFACE DRAINAGE TOWARDS CATCH BASINS. SURFACE WATER SHOULD NOT BE ALLOWED TO POND ADJACENT TO THE OUTSIDE EDGES OF PAVED AREAS.

GEOTECHNICAL NOTES CONTINUED

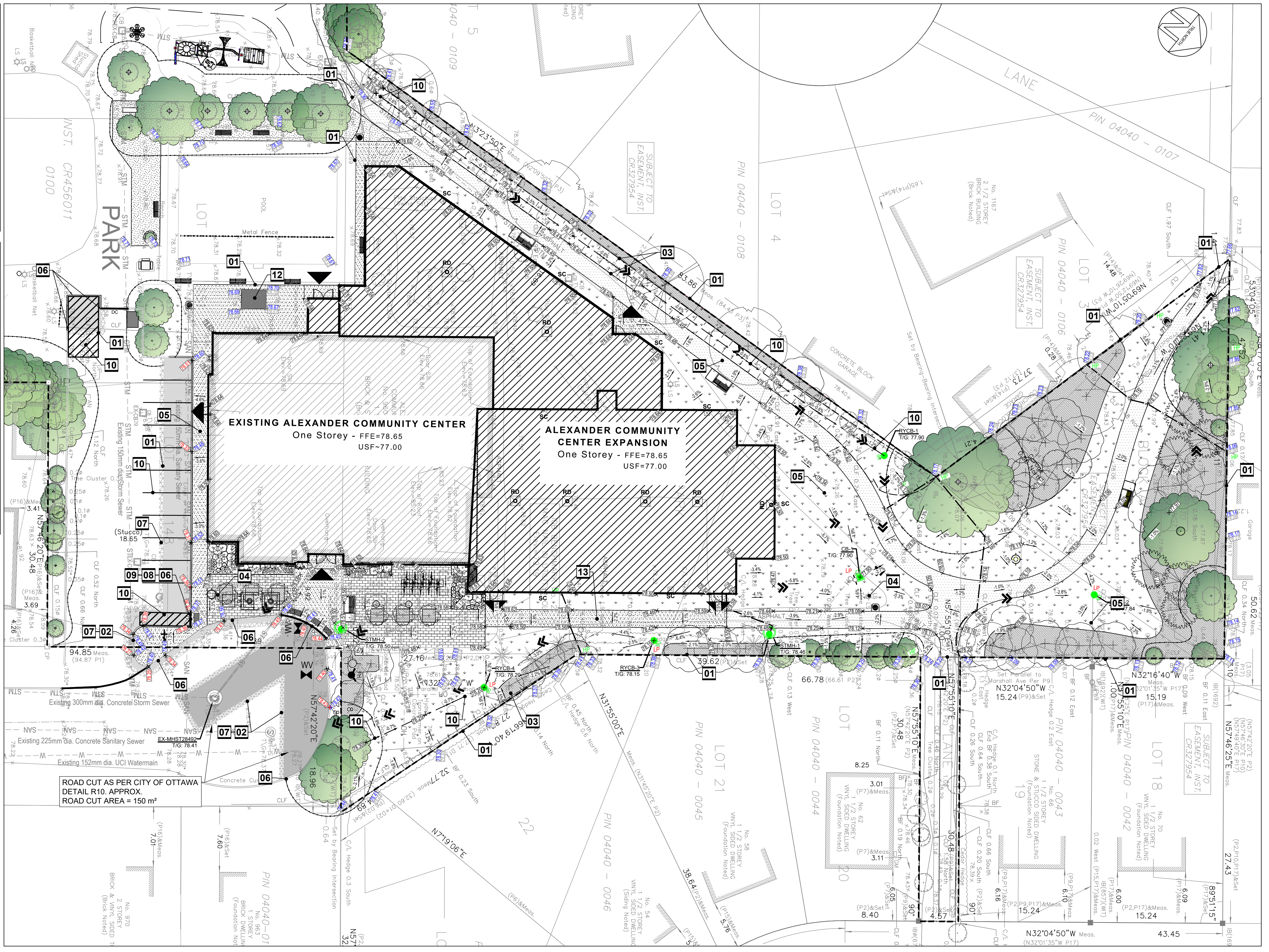
- RELATIVELY WEAKER SUBGRADE MAY DEVELOP OVER SERVICE TRENCHES AT SUBGRADE LEVEL. THESE AREAS MAY REQUIRE THE USE OF THICKER/COARSER SUB-BASE MATERIAL AND THE USE OF A GEOTEXTILE AT THE SUBGRADE LEVEL. IF THIS IS THE CASE, IT IS RECOMMENDED THAT ADDITIONAL 150 MM THICK GRANULAR SUB-BASE, OPSS GRANULAR B TYPE II, SHOULD BE PROVIDED IN THESE AREAS, IN ADDITION TO THE USE OF A GEOTEXTILE AT THE SUBGRADE LEVEL.
- THE GRANULAR MATERIALS USED FOR PAVEMENT CONSTRUCTION SHOULD CONFORM TO ONTARIO PROVINCIAL STANDARD SPECIFICATIONS (OPSS 1010) FOR GRANULAR A AND GRANULAR B TYPE II AND SHOULD BE COMPACTED TO 100 PERCENT OF THE SPMD.
- THE ASPHALTIC CONCRETE USED, AND ITS PLACEMENT SHOULD MEET OPSS 1150 OR 1151 REQUIREMENTS. IT SHOULD BE COMPACTED FROM 92 PERCENT TO 97 PERCENT OF THE MTD (ASTM D2941). ASPHALT PLACEMENT SHOULD BE IN ACCORDANCE WITH OPSS 310 AND OPSS 313.
- ALL EARTHWORK ACTIVITIES FROM PLACEMENT AND COMPACTION OF FILL IN THE SERVICE TRENCHES TO SUBGRADE PREPARATION, PLACEMENT AND COMPACTION OF GRANULAR MATERIALS AND ASPHALTIC CONCRETE SHOULD BE INSPECTED BY QUALIFIED GEOTECHNICALS TO ENSURE THAT CONSTRUCTION OF THE SEWERS AND PAVEMENT PROCEEDS ACCORDING TO THE SPECIFICATIONS.
- STRINGENT CONSTRUCTION CONTROL PROCEDURES SHOULD BE MAINTAINED TO ENSURE THAT UNIFORM SUBGRADE MOISTURE AND DENSITY CONDITIONS ARE ACHIEVED.
- SHOULD SURFACE AND SUBSURFACE WATER SEEPAGE OCCUR INTO THE EXCAVATIONS COLLECT ANY WATER ENTERING THE EXCAVATIONS AND REMOVE IT BY PUMPING FROM SUMP.
- IF THE BACKFILL IN THE SERVICE TRENCHES WILL CONSIST OF GRANULAR FILL, CLAY SEALS SHOULD BE INSTALLED IN THE SERVICE TRENCHES AT SELECT INTERVALS (SPACING) AS PER CITY OF OTTAWA DRAWING NO. 58. THE SEALS SHOULD BE 1in WIDE, EXTEND OVER THE ENTIRE TRENCH WIDTH AND FROM THE BOTTOM OF THE TRENCH TO THE UNDERSIDE OF THE PAVEMENT STRUCTURE. THE CLAY SHOULD BE COMPACTED TO 95 PERCENT SPMD. THE PURPOSE OF THE CLAY SEALS IS TO PREVENT THE PERMANENT LOWERING OF THE GROUNDWATER LEVEL. CLAY SEAL LOCATIONS SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER.
- IT IS RECOMMENDED THAT A GEOTEXTILE BE PLACED ON THE SURFACE OF THE SUBGRADE PRIOR TO PLACEMENT OF ANY GRANULAR SUB-BASE. THIS MUST BE ALLOWED FOR BY THE CONTRACTOR AND INSTALLED WHEN DIRECTED BY THE GEOTECHNICAL ENGINEER.
- THE MUNICIPAL SERVICES SHOULD BE INSTALLED IN SHORT OPEN TRENCH SECTIONS THAT ARE EXCAVATED AND BACKFILLED THE SAME DAY.

GENERAL NOTES

- 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.
- IN THE EVENT THAT EXCAVATION IS REQUIRED ON THE CITY OF OTTAWA ROW OR ADJACENT PROPERTY, CONTRACTOR IS RESPONSIBLE TO ENSURE ADDITIONAL PERMIT AND/OR PERMISSION.

DRAWING NOTES

- MATCH EXISTING GRADES AT PROPERTY LINE AND LIMITS OF WORK.
- ANY DISTURBED AREA WITHIN THE RIGHT-OF-WAY SHALL BE RESTORATED TO EQUAL OR BETTER CONDITION TO THE SATISFACTION OF THE CITY OF OTTAWA.
- TOP OF BANK PROVIDE MAXIMUM 4:1 SLOPE TO THE INTO EXISTING / PROPOSED GRADES.
- EXISTING LIGHT STANDARD TO BE PROTECTED DURING CONSTRUCTION.
- CONSTRUCT SIDEWALK AS PER CITY OF OTTAWA STANDARD DETAIL SC2 & SC5. PROVIDE MAXIMUM SLOPE OF 2.0%. INSTALL REINFORCING MESH 150x150mm MIN 13MM @ 1 THROUGHOUT NEW SIDEWALK. STOP WIRE MESH AT EXPANSION JOINTS.
- CONSTRUCT CONCRETE BARRIER / DEPRESSED CURB AS PER CITY OF OTTAWA STANDARD DETAIL SC1.1.
- SAW CUT INTO EXISTING ASPHALT AS PER DETAIL 3/C3. MATCH EXISTING PAVEMENT AND GRANULAR STRUCTURE.
- NEW ACCESSIBLE PARKING ACCESS RAMP. PROVIDE MAXIMUM 8% SLOPE.
- TWSI AS PER CITY STANDARDS.
- CONSTRUCT NEW SWALE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD DETAIL DRAWING 529.
- NEW TRAFFIC MARKING PAINT. REFER TO ARCHITECTURAL.
- EXISTING MANHOLE STRUCTURE TO REMAIN.
- CONSTRUCT SIDEWALK AS PER CITY OF OTTAWA DETAIL SC4.



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ZACH BAUMAN			ALI SAMMOUR	
DRAWN BY / DRESSÉ PAR			SCALE / ÉCHELLE	
RAFAT ISMAIL			1:250	

DRAWING TITLE

1: A1.1 SCALE

--- SHEET NUMBER

THIS DRAWING IS THE PROPERTY OF THE CITY OF OTTAWA AND ALL COPYRIGHT IS RESERVED. DIMENSIONS ON DRAWING ARE FOR ESTIMATING PURPOSES ONLY. IT IS THE RESPONSIBILITY OF EACH CONTRACTOR AND SUB-CONTRACTOR OR CONSULTANT TO CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE. NOTARY 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 FINS DESTINÉES SEULEMENT À L'ESTIMATION. 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 DRESSÉZ PAS LES PLANS À L'ÉCHELLE.

ARCHITECT / ARCHITECTE CONSULTANT / EXPERT-CONSEIL

CONSULTANT / EXPERT-CONSEIL CONSULTANT / EXPERT-CONSEIL

LICENSED PROFESSIONAL ENGINEER PROVINCE OF ONTARIO
Z. E. BAUMAN
100578796
April 14, 2009

LICENSED PROFESSIONAL ENGINEER PROVINCE OF ONTARIO
ALI SAMMOUR
100227665
April 14, 2009

PROJECT / LOCATION / PROJET / ENDROIT

ALEXANDER COMMUNITY CENTRE EXPANSION

950 Silver Street
OTTAWA, ONTARIO

DRAWING / DESSIN

SITE GRADING PLAN

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

SHEET NO. / FEUILLE NO.

C.02

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

25-1170A

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 REGULATIONS, ONTARIO PROVINCIAL SPECIFICATIONS AND REGULATIONS, 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 GUARANTEED. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY 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 ANNS, 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 WITH 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 FROM THE MUNICIPAL AUTHORITIES 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 AREAS. 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 SERVING. 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 950 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 ALL LEADS 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 MEASURES 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, COLOURS, 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.
 - PERMITTER 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. USE IN TEMPORARY SWALE TO EXISTING C/S AS REQUIRED.
 - PROVIDE TEMPORARY COVER SUCH AS SEEDING OR MULCHING FOR DISTURBED AREA WILL NOT BE REHABILITATED WITHIN 30 DAYS.
 - INSPECT SILT FENCES, FILTER FABRIC FILTERS AND CATCH BASIN SUMP 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 SEEDING 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 MIDMATERIAL 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

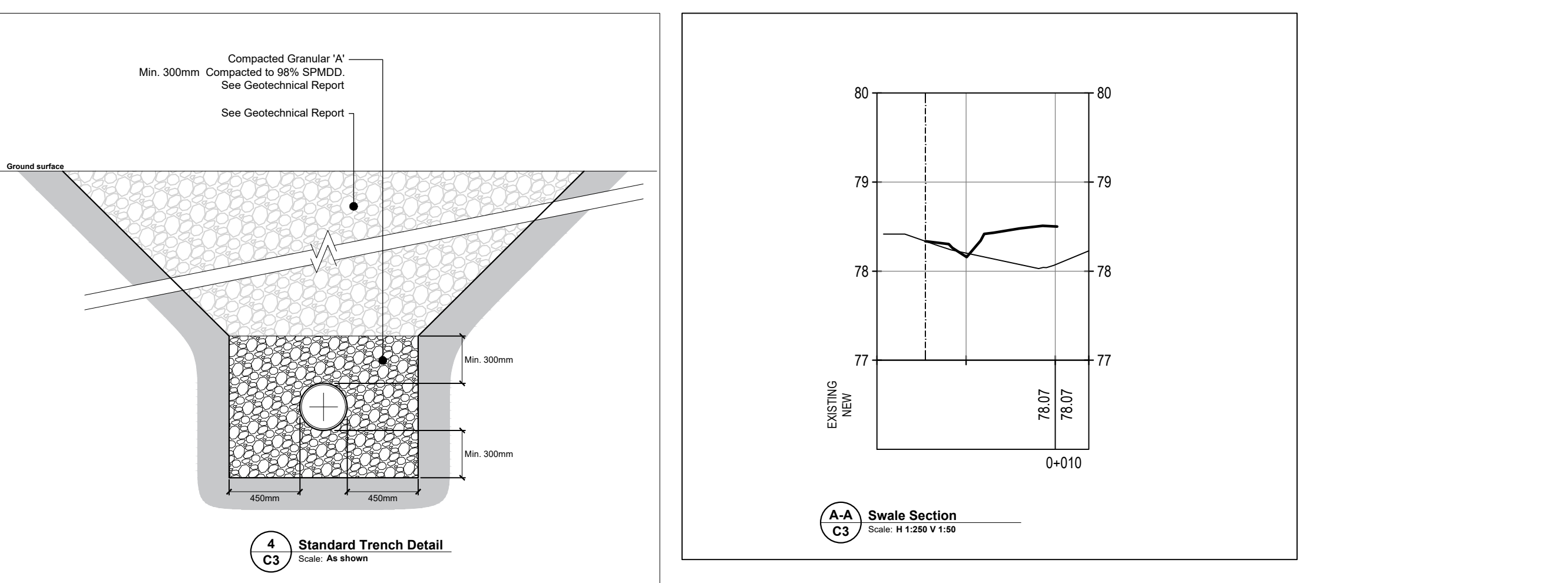
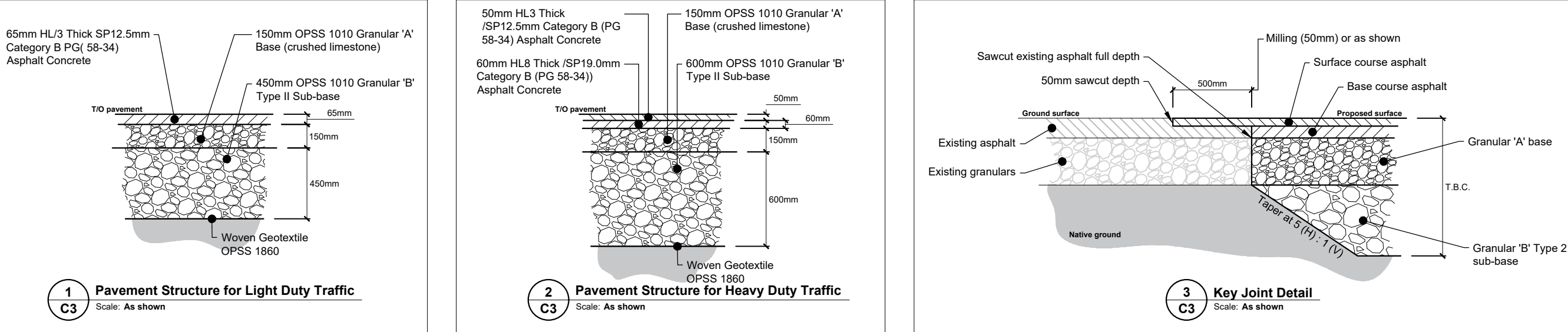
- ALL STORM SEWER MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO THE CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS. PROVIDE CCTV INSPECTION REPORTS FOR ALL NEW STORM SEWERS, SERVICES AND CB LEADS.
- STORM SEWERS 375mm DIAMETER AND SMALLER SHALL BE PVC-30R-35, WITH RUBBER GASKET PER CSA A287.3.
- 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 FRAMECOVERS AS PER CITY STANDARD DRAWINGS S19. STORM C/BMBS AS INDICATED IN TABLE WITH SUBJ. 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 AND MINISTRY OF ENVIRONMENT STANDARDS AND SPECIFICATIONS.
- ALL WATERMAIN 300mm DIAMETER AND SMALLER TO BE POLY VINYL CHLORIDE (PVC) CLASS 150 OR 18 MEETING ANWA SPECIFICATION C200.
- 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 W23 & W25.4.
- CATHODIC PROTECTION REQUIRED FOR ALL IRON 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 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.

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.



CROSSING TABLE

LOCATION	OVER / UNDER	T/G	OBVERT	INVERT	CLEARANCE (m)
▲	NEW WATERMAIN - NEW STORM SEWER	78.40	76.00 (WM)	76.98 (STM)	0.98
▲	NEW WATERMAIN - EXISTING STORM SEWER	78.54	76.13 (WM)	77.52 (STM)	1.39

WATER SERVICE TABLE

ID	DESCRIPTION	FINISHED GRADE (m)	TO WATERMAIN (m)
①	BUILDING CONNECTION	76.65	76.25
②	EXISTING WATERMAIN STUB CONNECTION	78.30	75.90

NOTE: PROVIDE MINIMUM 2.4m COVER OVER TO WATERMAIN TO FINISHED GRADE. OTHERWISE PROVIDE THERMAL INSULATION #40 AS PER DETAIL AC1.

NEW SANITARY SEWER 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	W INV.: 77.29 - 150mmØ NW INV.: 77.31 - 150mmØ SE INV.: 77.28 - 300mmØ	705.010	S19
RYCB-1	300mmØ DRAINAGE BASIN	77.90	E INV.: 77.43 - 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.: 77.27 - 200mmØ	S30	S30
RYCB-4	300mmØ DRAINAGE BASIN	78.20	SW INV.: 77.26 - 200mmØ	S30	S30
STMH-1	1,200mmØ MAINTENANCE HOLE	78.46	NW INV.: 77.24 - 300mmØ SW INV.: 77.30 - 200mmØ 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



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

6				
5				
4				
3				
2				
1	ISSUED FOR SITE PLAN CONTROL REV-1	26/04/14	R1 / ZB	
NUMBERS	MELESTONE / FAT SALLANT	DATE: (Y/M/D)	INITIALS	
DESIGNED BY / CONCEPTEUR	ZACH BAUMAN	DRAWN BY / DRESSEUR PAR	RAFAAT ISMAIL	
CHECKED BY / VERIFIE PAR	ALI SAMMOUR	SCALE / ECHELLE	1:250	

1.1 DRAWING TITLE
SCALE:
SHEET NUMBER

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CE DESSIN CONSTITUE LA PROPRIÉTÉ DE LA VILLE D'OTTAWA ET TOUT DROIT D'AUTEUR EST RÉSERVÉ. LES DIMENSIONS UTILISÉES SE SONT À DES FINS DESTINÉES SEULEMENT À DES ESTIMATIONS. 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

PROJECT / LOCATION / PROJET / ENDROIT
ALEXANDER COMMUNITY CENTRE EXPANSION

950 Silver Street
OTTAWA, ONTARIO

DRAWING / DESSIN
DETAILS, NOTES AND SCHEDULES

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

SHEET NO. / FEUILLE No.
C.03

CITY PROJECT NO. / NO. DE PROJET
CONS. PROJECT NO. / NUMÉRO DE PROJET
25-1170A

EROSION AND SEDIMENT CONTROL NOTES

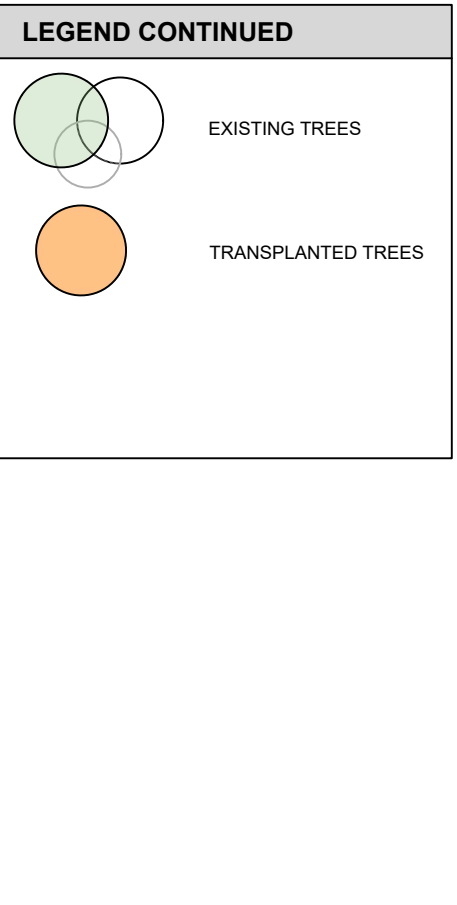
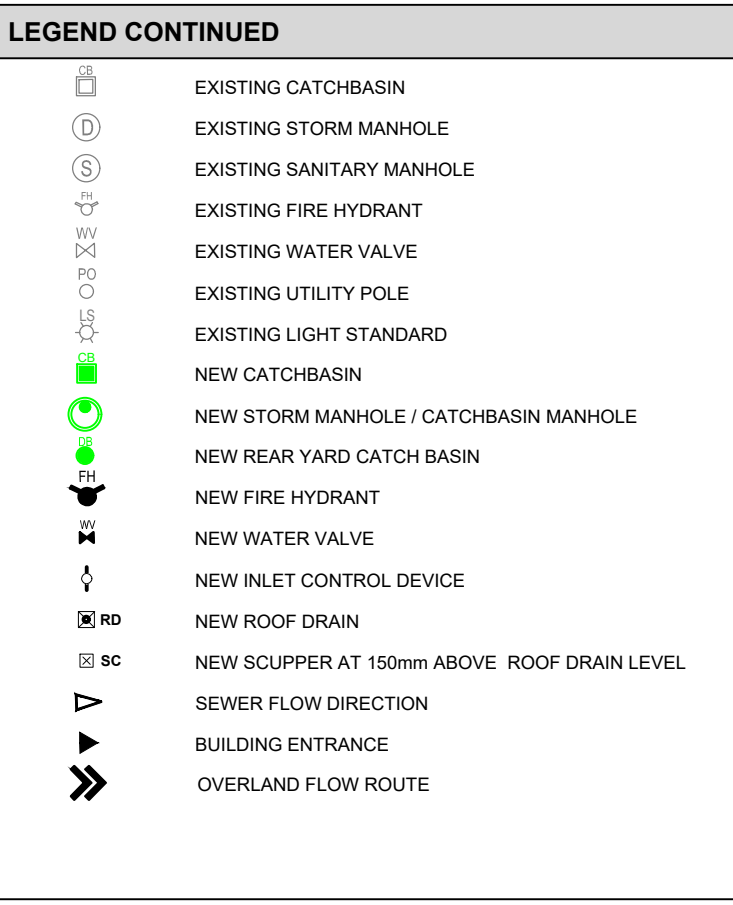
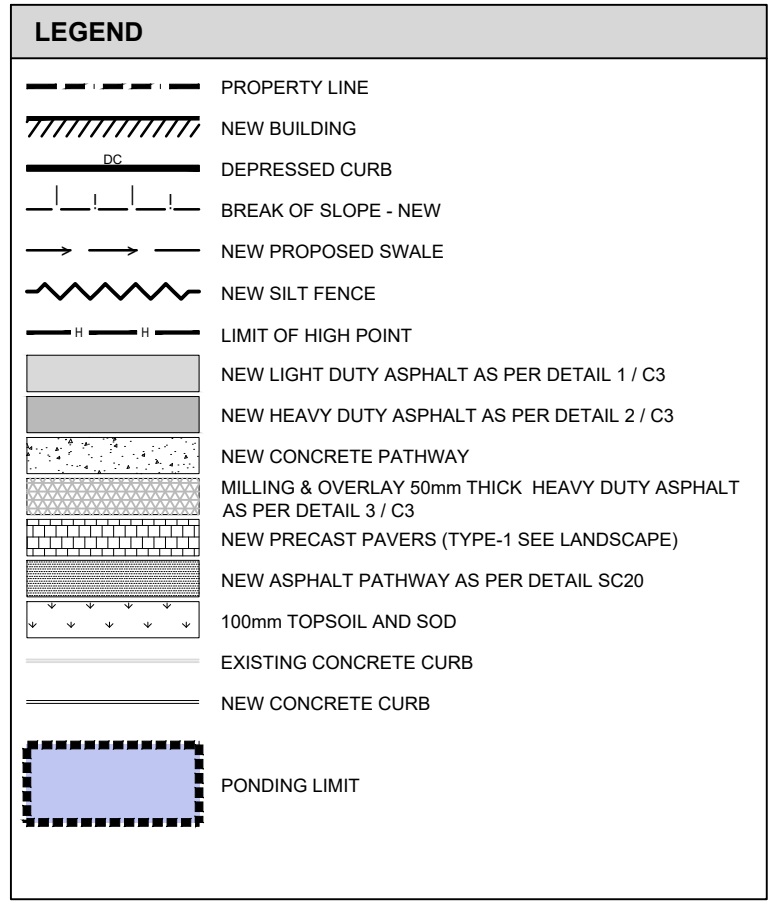
** CONTRACTOR IS RESPONSIBLE FOR ALL INSTALLATION, MONITORING, REPAIR AND REMOVAL OF ALL EROSION AND SEDIMENT CONTROL FEATURES.**

- 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.
 - PERMITTER 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 SUMP 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 SEEDING 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 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 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.



ICD SCHEDULE

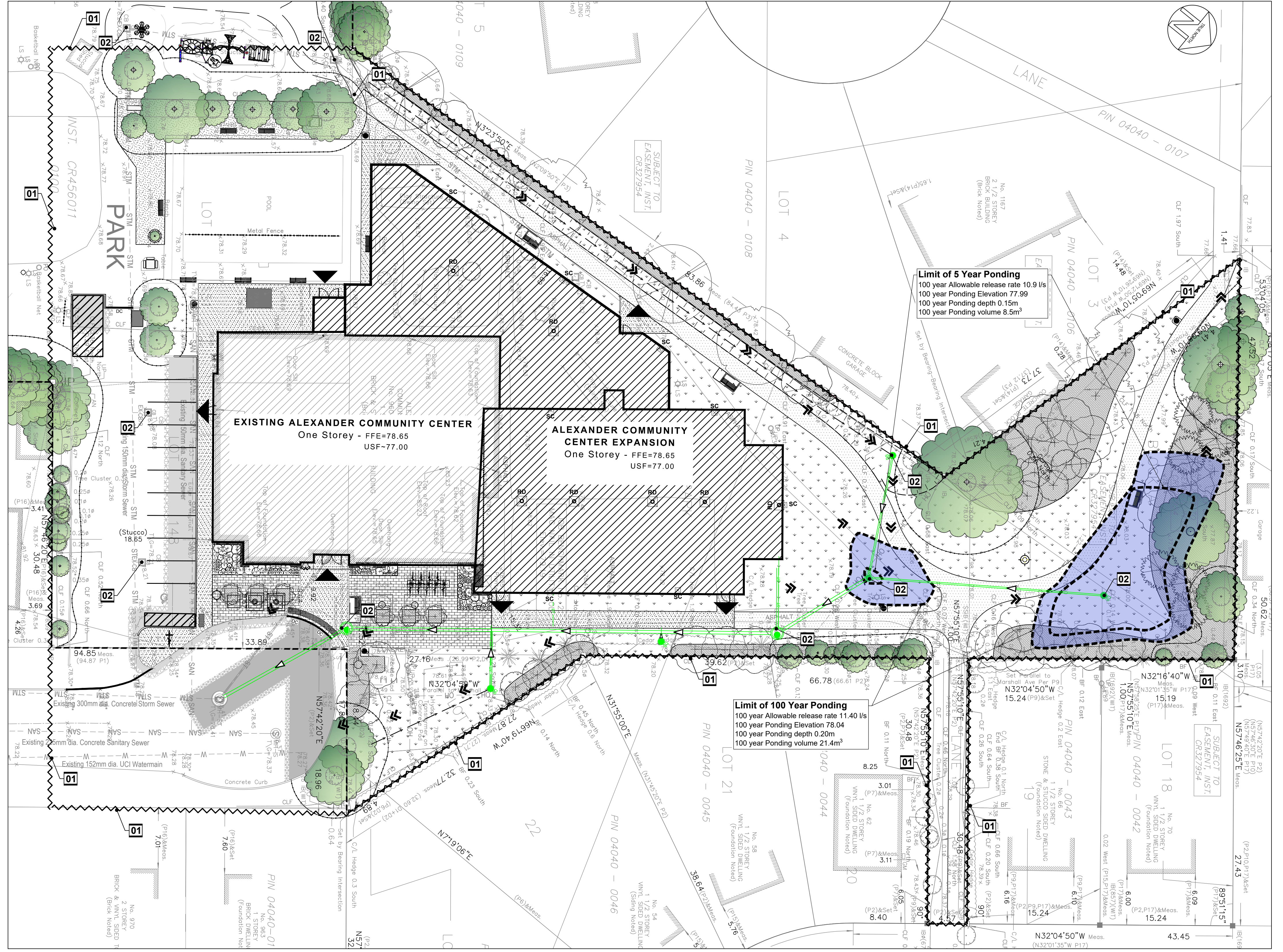
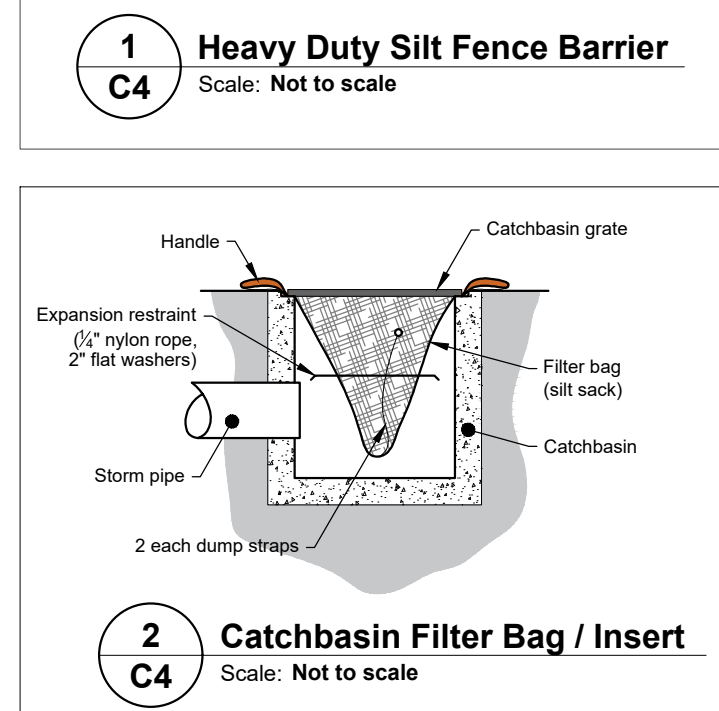
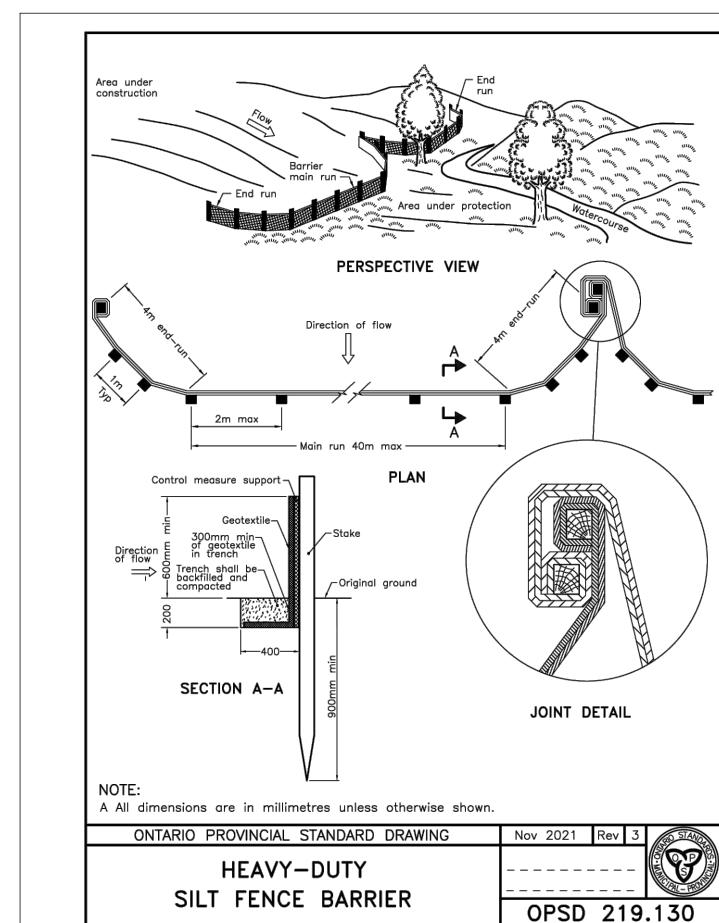
ICD	LOCATION	PIPE SIZE (mm)	ICD SIZE (mm)	100 YEAR HEAD (m)	100 YEAR FLOW RATE (lps)
ICD-1	CB-1	300	83	0.61	11.40

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.

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 SUMP; ALL CATCHBASINS TO HAVE 600mm SUMP.
- 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.



SERVICES D'INFRASTRUCTURE
DIRECTION DE CONCEPTION ET DE CONSTRUCTION

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

6			
5			
4			
3			
2			
1	ISSUED FOR SITE PLAN CONTROL REV-1	26/04/14	R1 / Z.B.

NUMBER	MILESTONE / FAT SAILANT	CHECKED BY / VERIFIE PAR	DATE / DATE	INITIALS / INITIALES
ZACH BAUMAN	RAFAEL ISMAIL	ALI SAMMOUR	1:250	

1	DRAWING TITLE	
A1.1	SCALE	
	SHEET NUMBER	

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ARCHITECT / ARCHITECTE	CONSULTANT / EXPERT-CONSEIL

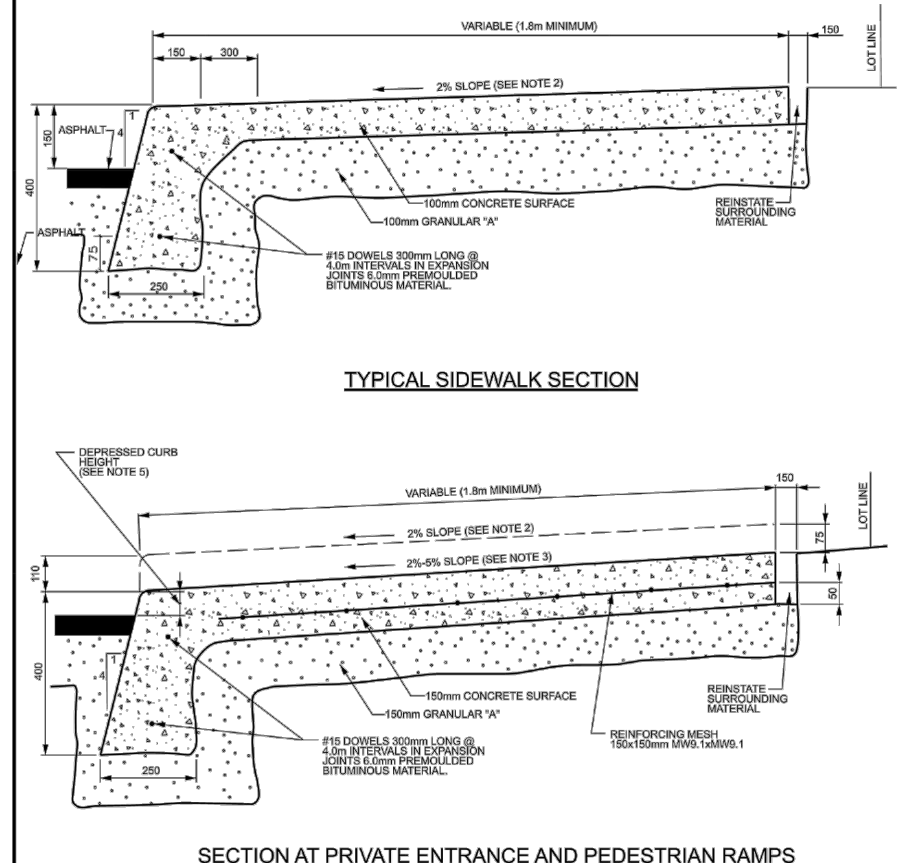
CONSULTANT / EXPERT-CONSEIL	CONSULTANT / EXPERT-CONSEIL
LICENSED PROFESSIONAL ENGINEER Z. E. BAUMAN 100578796 April 14, 2026	LICENSED PROFESSIONAL ENGINEER ALI SAMMOUR 100227665 April 14, 2026

PROJECT / LOCATION / PROJET / ENDROIT
ALEXANDER COMMUNITY CENTRE EXPANSION

950 Silver Street
OTTAWA, ONTARIO

DRAWING / DESSIN
STORM WATER MANAGEMENT AND EROSION SEDIMENT CONTROL PLAN

BUSINESS ENTITY / NUMERO DE L'ENTITE	SHEET NO. / FEUILLE NO.
CITY PROJECT NO. / NUMERO DE PROJET	25-1170A
CONV. PROJECT NO. / NUMERO DE PROJET	C.04

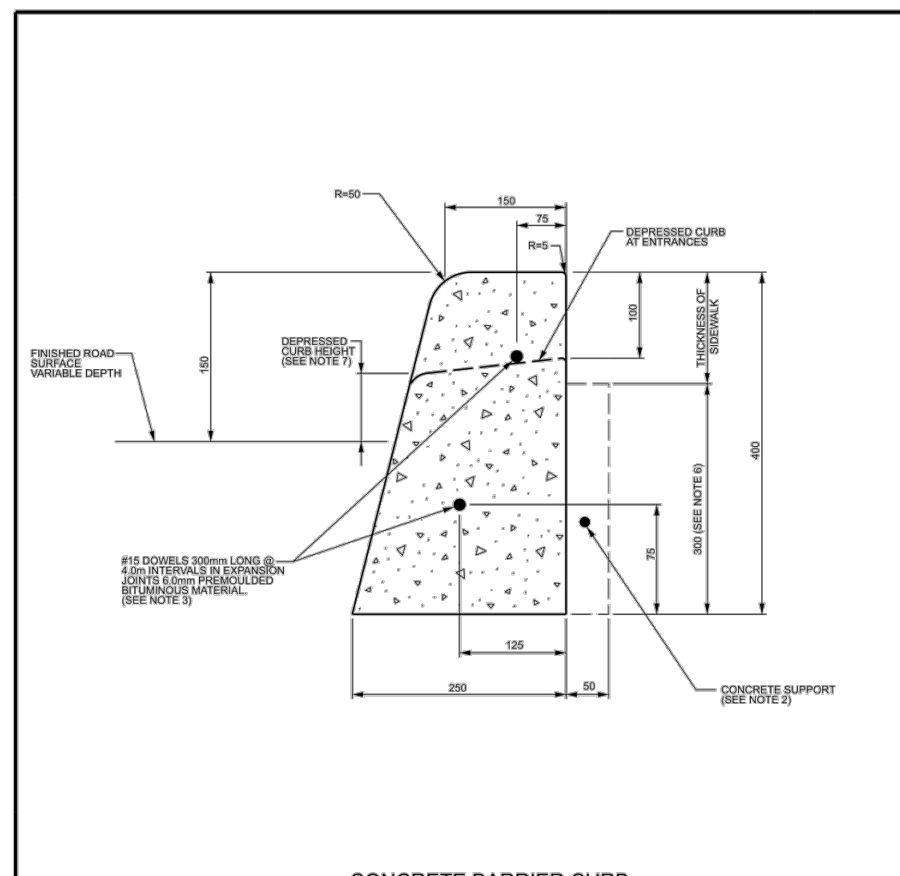


MONOLITHIC CONCRETE CURB AND SIDEWALK

DATE: MAY 2001
 REV: MARCH 2011
 DWG. NO.: SC2

NOTES:
 1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
 2. THE MAXIMUM SLOPE IS NOT TO EXCEED 2%.
 3. FOR CURB RAMPS, SLOPE OF 2% TO 5% IS MAXIMUM PER.
 4. EXPANSION AND DUMMY JOINTS AS PER SPEC.
 5. DEPRESSION CURB HEIGHT - FOR PEDESTRIAN CURB RAMPS 3 TO 8 mm AND FOR PRIVATE ENTRANCES 8 TO 13 mm.
 6. DEPRESSION CURB HEIGHT - FOR PEDESTRIAN CURB RAMPS 3 TO 8 mm AND FOR PRIVATE ENTRANCES 8 TO 13 mm.

N.T.S.

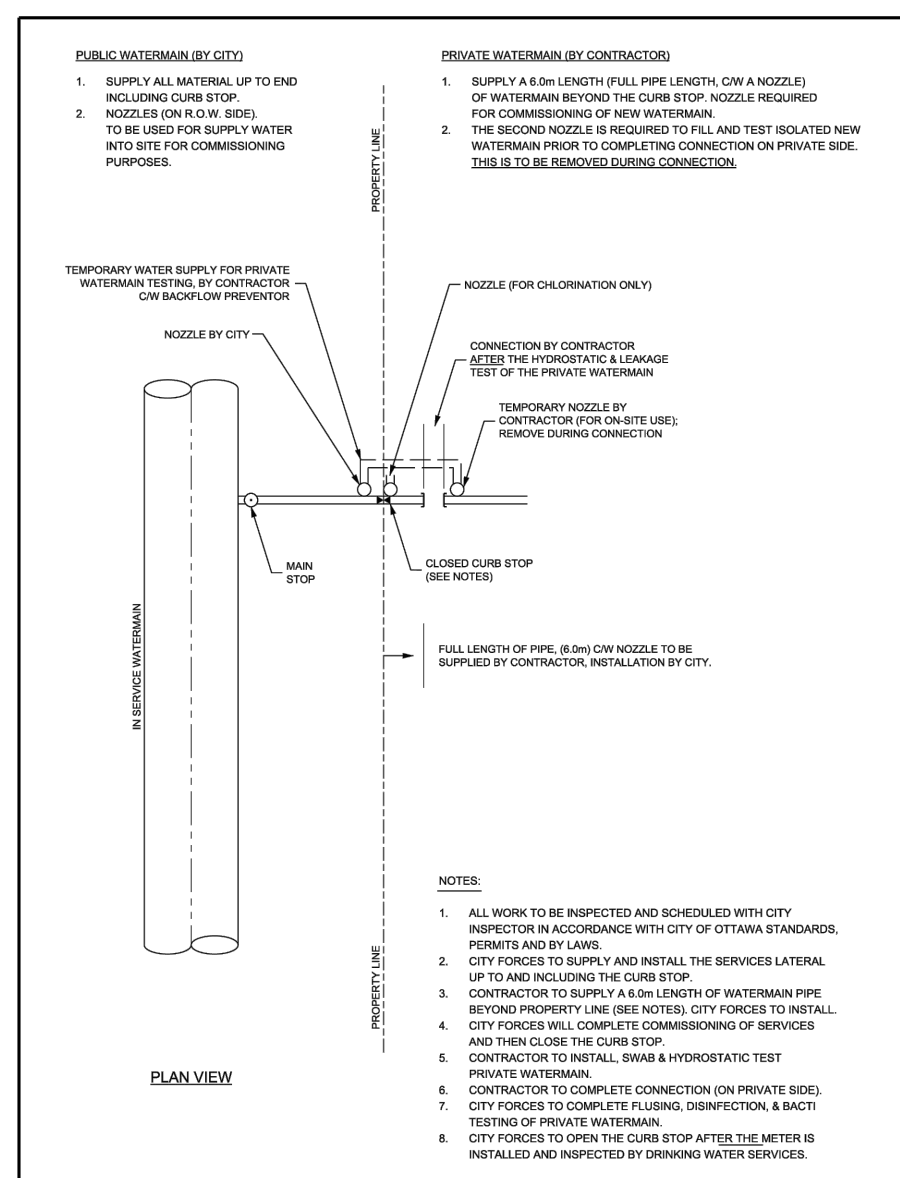


CONCRETE BARRIER CURB FOR GRANULAR BASE PAVEMENT (MODIFIED OPSD-600.110)

DATE: JANUARY 2003
 REV: MARCH 2007
 DWG. NO.: SC1.1

NOTES:
 1. THE CURB DEPTH SHALL BE CARRIED THROUGH THE DEPRESSED ACCESS CROSSING.
 2. A CONCRETE SUPPORT IS REQUIRED WHERE BASE ADJACENT TO THE SIDEWALK.
 3. AN EXTENSION CURB SHALL BE USED AT THE END OF THE SIDEWALK.
 4. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
 5. DUMMY JOINTS SHALL BE 25mm DEEP FRONT, BACK AND TOP OF SECTION AT THE SPACING OR MATCH JOINTS WHERE SIDEWALK IS ADJACENT.
 6. FOR DEPRESSED CURB AT ENTRANCES USE 20.
 7. DEPRESSED CURB HEIGHT - FOR PEDESTRIAN CURB RAMPS 3 TO 8 mm AND FOR PRIVATE ENTRANCES 8 TO 13 mm.

N.T.S.

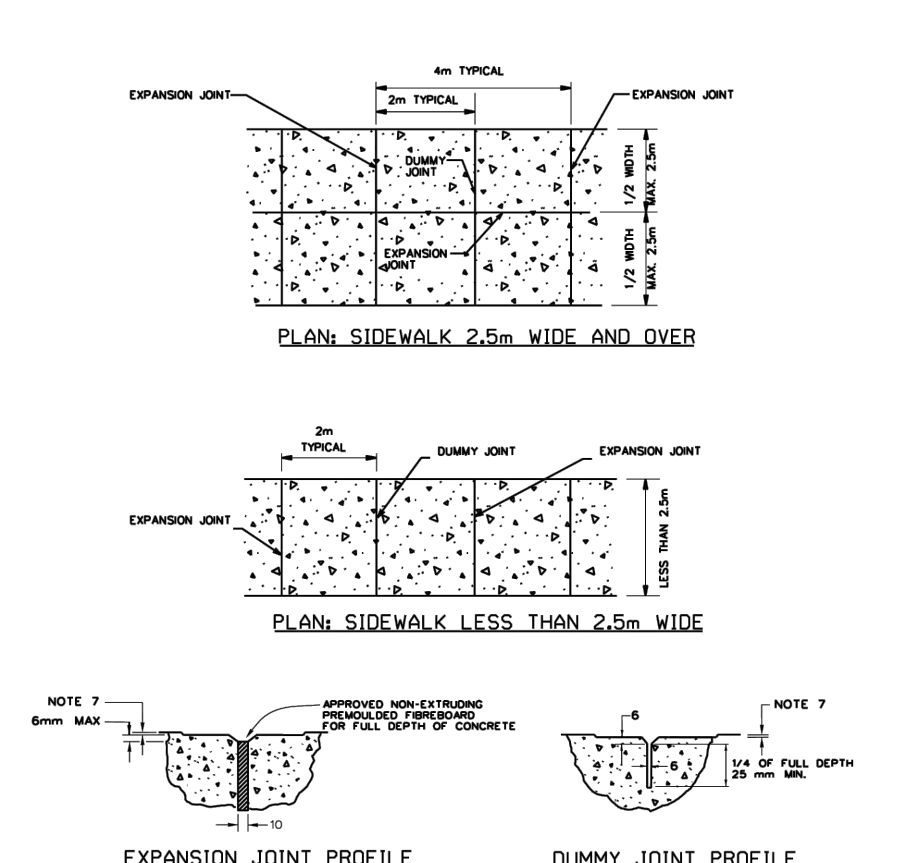


TYPICAL PRIVATE SERVICE >=100mm CONNECTION PROCEDURE

DATE: MAY 2001
 REV: MARCH 2011
 DWG. NO.: W50

NOTES:
 1. ALL WORK TO BE INSPECTED AND SCHEDULED WITH CITY INSPECTOR IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS, PERMITS AND BY LAWS.
 2. CITY ENGINEER TO SUPPLY AND INSTALL THE SERVICES LATERAL.
 3. CONTRACTOR TO SUPPLY A 6m LENGTH OF WATERMAIN PIPE SERVICE PROVIDED THE SERVICE LATERAL IS CITY OWNED TO INSTALL.
 4. CITY ENGINEER TO COMPLETE COMMISSIONING OF SERVICES AND TO REMOVE CURB STOP.
 5. CONTRACTOR TO INSTALL, SAND & HYDROSTATIC TEST PRIVATE WATERMAIN.
 6. CONTRACTOR TO COMPLETE CONNECTION ON PRIVATE SIDE.
 7. CITY ENGINEER TO COMPLETE ALUMINUM, DIMENSIONAL & NOCTE TESTING OF SERVICE WATERMAIN.
 8. CITY ENGINEER TO OPEN CURB STOP AFTER THE METER IS INSTALLED AND INSPECTED BY DRINKING WATER SERVICES.

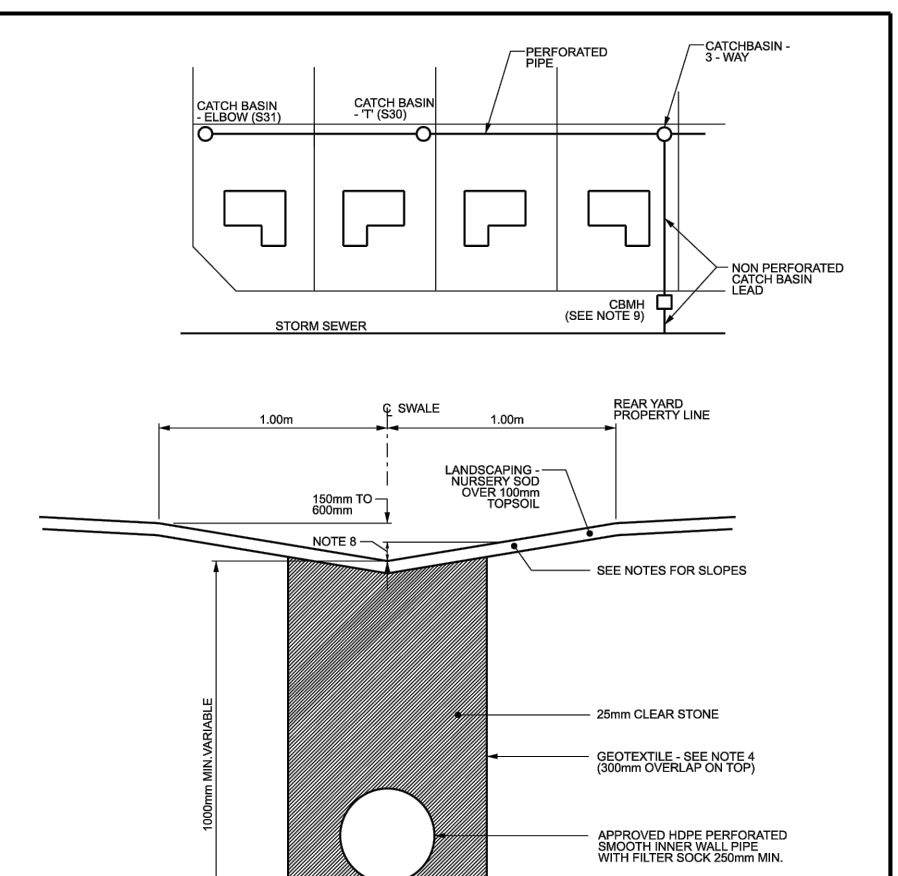
N.T.S.



SIDEWALK CONSTRUCTION JOINTS

DATE: MAY 2001
 REV: MARCH 2011
 DWG. NO.: SC5

NOTES:
 1. EXPANSION JOINTS IN SIDEWALK SHALL BE IN LINE WITH EXPANSION JOINTS IN CURB.
 2. TRANSVERSE EXPANSION JOINTS ARE REQUIRED AT THE END OF THE WORKPLOT AT INTERVALS OF 10m MAXIMUM AND ALSO TO SOLVE OBSTRUCTIONS FROM SIDEWALK, HYDRANT, POLE, BUILDING, ETC.
 3. ALL CONCRETE SIDEWALKS ARE TO HAVE A BROOK FRESH WALKER CHAMFER SPECIFIED.
 4. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
 5. INITIAL DUMMY TRANSVERSE JOINTS ARE REQUIRED TO EXCEED A MAXIMUM SPACING OF 2m BETWEEN ALL JOINTS.
 6. SMOOTH ALL TOoled EDGES TO A MAXIMUM DEPTH OF 1mm.
 7. SMOOTH ALL TOoled EDGES TO A MAXIMUM DEPTH OF 1mm.

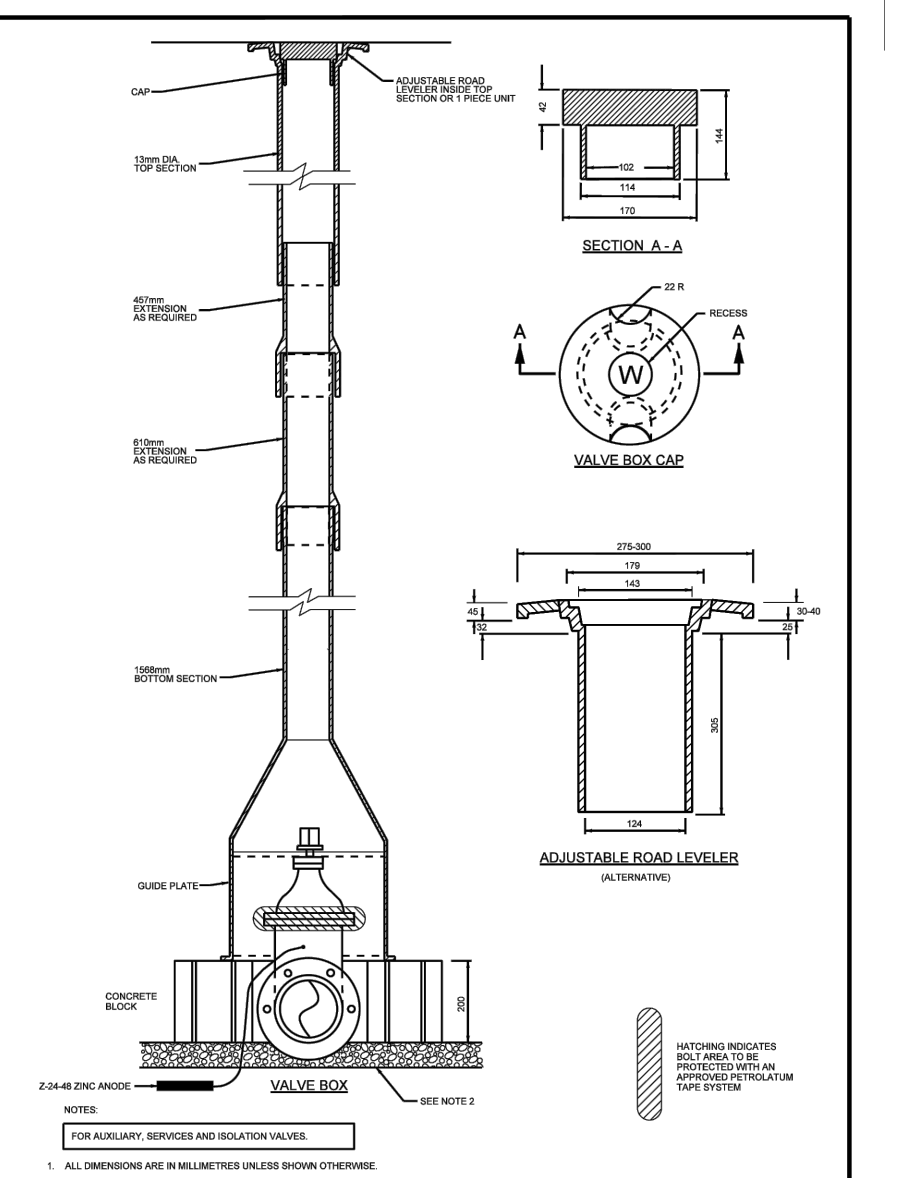


PERFORATED PIPE INSTALLATION FOR REAR YARD AND LANDSCAPING APPLICATIONS

DATE: MARCH 2007
 REV: MARCH 2011
 DWG. NO.: S29

NOTES:
 1. SIDE SLOPE OF SWALE: MIN 1% MAX 5%.
 2. LONGITUDINAL SLOPE OF SWALE WITHOUT PERFORATED PIPE 1% MIN.
 3. LONGITUDINAL SLOPE OF SWALE WITH PERFORATED PIPE 1% MIN WITH 1% OR GREATER PERFORATED.
 4. UNDER DRAINAGE NON-PERFORATED PIPE TO BE USED WITH 1mm BEDDING AND BACKFILL WITH APPROVED NATIVE MATERIAL.
 5. OR 1% TO BE SPACED ABOUT EVERY 30 TO 50m AND LOCATED 1m OFF REAR YARD AND SIDE YARD PROPERTY LINES.
 6. OR 1% TO BE SPACED ABOUT EVERY 30 TO 50m AND LOCATED 1m OFF REAR YARD AND SIDE YARD PROPERTY LINES.
 7. GEOTEXTILE SHALL BE APPROVED NON-WOVEN CLASS 1 OR AS SPECIFIED.
 8. MAXIMUM REAR YARD WATER DEPTH IS 20mm.
 9. A STANDARD MAINTENANCE HOLE STANDARD FRAMES CAN BE PERFORMED.
 10. A STANDARD MAINTENANCE HOLE STANDARD FRAMES CAN BE PERFORMED.

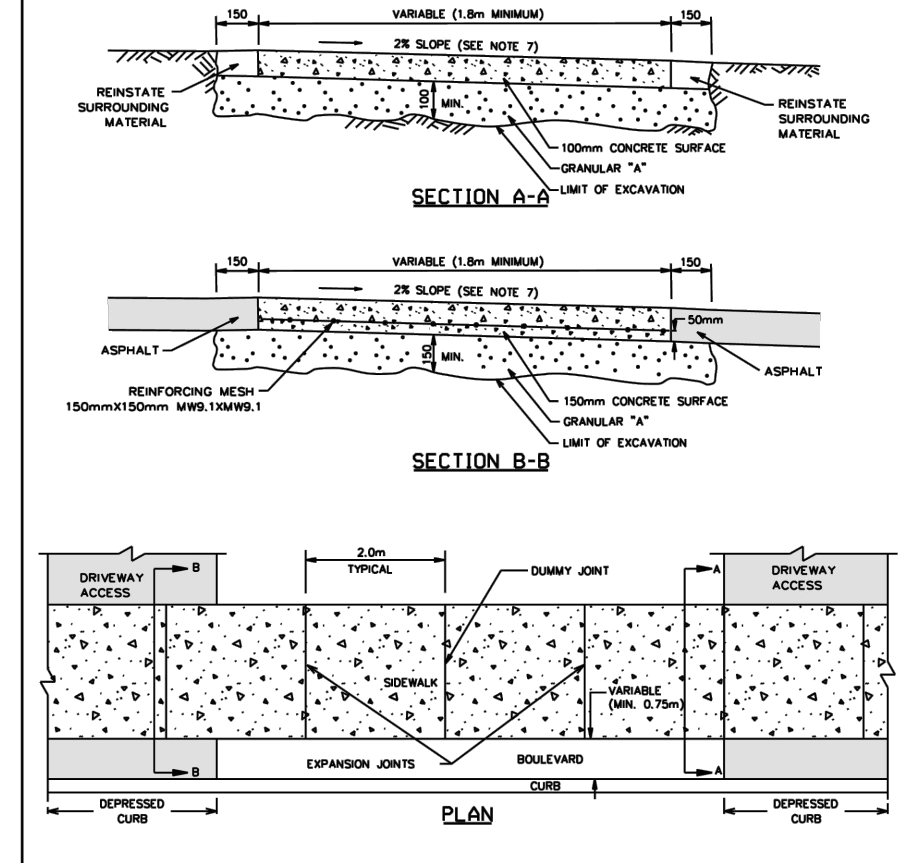
N.T.S.



VALVE BOX ASSEMBLY

DATE: MAY 2001
 REV: MARCH 2011
 DWG. NO.: V04

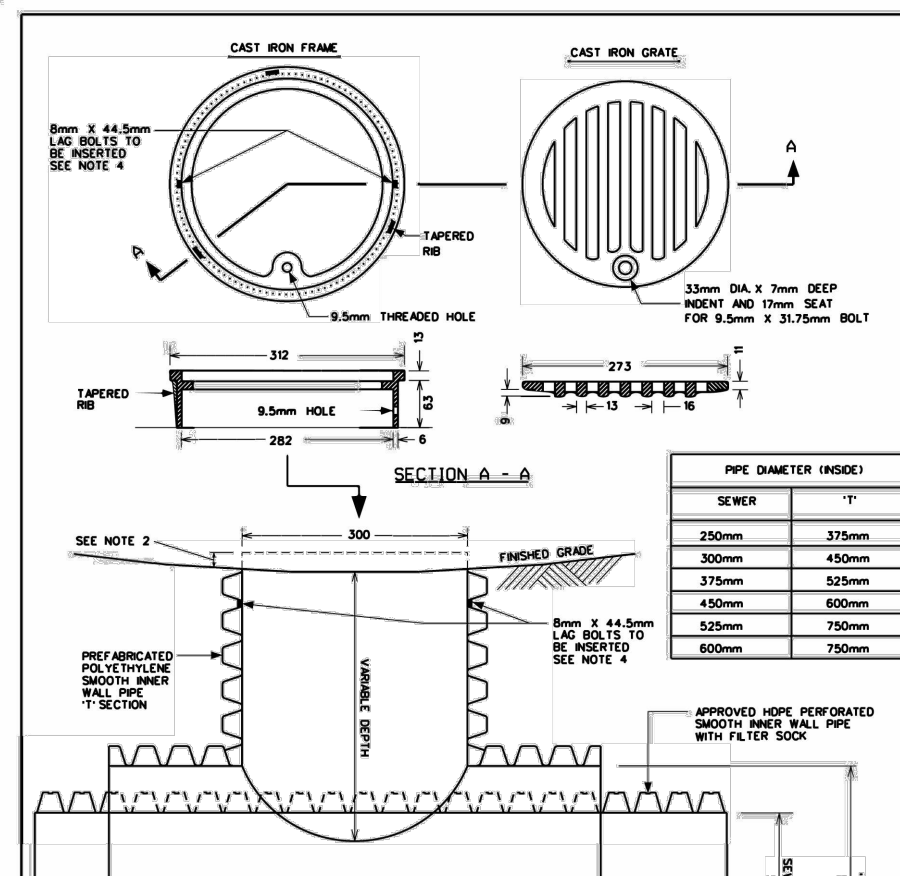
NOTES:
 1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
 2. THE VALVE BOX SHALL BE INSTALLED WITH A 1% SLOPE TO THE STREET.
 3. THE VALVE BOX SHALL BE INSTALLED WITH A 1% SLOPE TO THE STREET.



TYPICAL CONCRETE SIDEWALK IN BOULEVARD

DATE: MAY 2001
 REV: MARCH 2011
 DWG. NO.: SC4

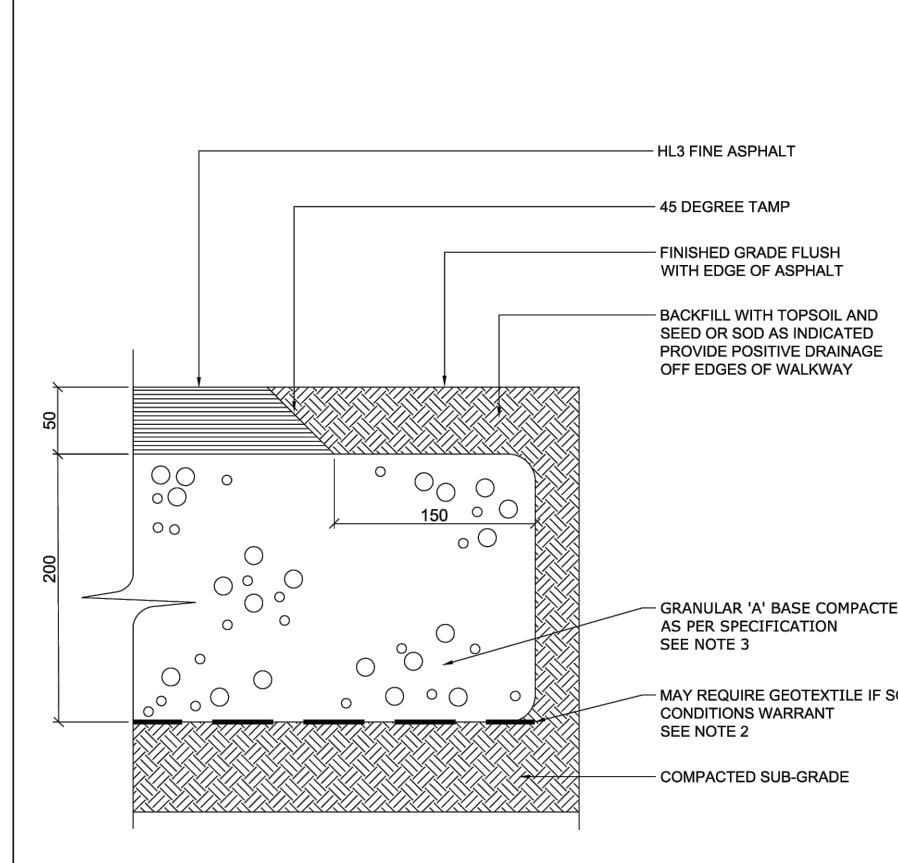
NOTES:
 1. CONCRETE AND GRANULAR 'X' IS TO BE INCREASED TO 100mm AT THE ENTRANCE AND 100x150mm WIDE x 100mm DEPTH FOR CURB AND SIDEWALK ACCESS.
 2. TRANSVERSE EXPANSION JOINTS ARE REQUIRED AT THE END OF THE WORKPLOT AT INTERVALS OF 10m MAXIMUM AND ALSO TO SOLVE OBSTRUCTIONS FROM SIDEWALK, HYDRANT, POLE, BUILDING, ETC.
 3. SMOOTH ALL TOoled EDGES TO A MAXIMUM DEPTH OF 1mm.
 4. EDGES AND JOINTS ARE TO BE FINISHED WITH A 75mm EDGING TOOL.
 5. ALL CONCRETE SIDEWALKS ARE TO HAVE A BROOK FRESH WALKER CHAMFER SPECIFIED.
 6. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
 7. THE MAXIMUM SLOPE IS NOT TO EXCEED 2%.
 8. INITIAL DUMMY TRANSVERSE JOINTS ARE REQUIRED TO EXCEED A MAXIMUM SPACING OF 2m BETWEEN ALL JOINTS.
 9. SMOOTH ALL TOoled EDGES TO A MAXIMUM DEPTH OF 1mm.
 10. EXPANSION AND DUMMY JOINTS AS PER SPEC.



HYDRANT INSTALLATION - NEW CONSTRUCTION

DATE: MAY 2007
 REV: MARCH 2011
 DWG. NO.: W79

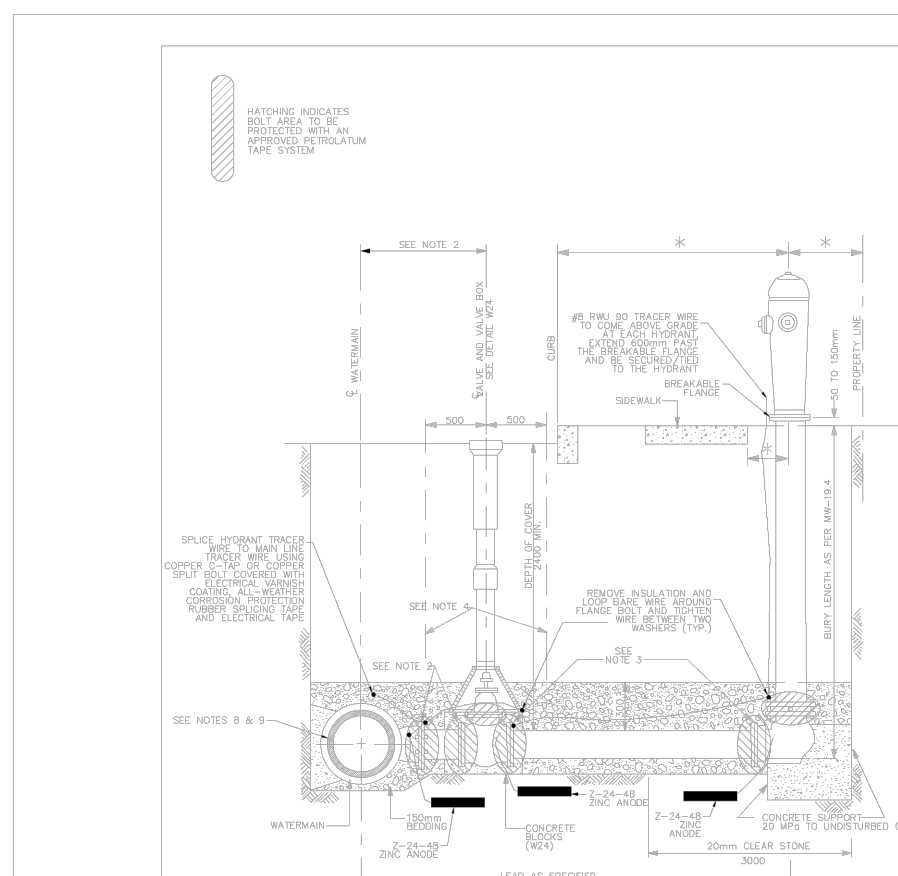
NOTES:
 1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
 2. THE HYDRANT SHALL BE INSTALLED WITH A 1% SLOPE TO THE STREET.
 3. THE HYDRANT SHALL BE INSTALLED WITH A 1% SLOPE TO THE STREET.



ASPHALT WALKWAY

DATE: FEB 2013
 REV: FEB 2016
 DWG. NO.: SC20

NOTE:
 1. ALL MEASUREMENTS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
 2. CROSS SLOPE SIDEWALK 1 TO 2% IN DIRECTION OF NATURAL DRAINAGE TO PROVIDE POSITIVE DRAINAGE OFF ALL WALKS.
 3. APPROVED NON-WOVEN CLASS 1 GEOTEXTILE AS PER MS-22 IS WHEN WARRANTED BY SOIL CONDITION, SUBJECT TO APPROVAL BY THE CONTRACT ADMINISTRATOR.
 4. GRANULAR 'X' SHALL MEET THE REQUIREMENTS OF OISS 1010.



HYDRANT INSTALLATION - NEW CONSTRUCTION

DATE: MAY 2007
 REV: MARCH 2011
 DWG. NO.: W79

NOTES:
 1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
 2. THE HYDRANT SHALL BE INSTALLED WITH A 1% SLOPE TO THE STREET.
 3. THE HYDRANT SHALL BE INSTALLED WITH A 1% SLOPE TO THE STREET.

6			
5			
4			
3			
2			
1	ISSUED FOR SITE PLAN CONTROL REV.1	250414	R1 / Z.B.

NUMBER	MILESTONE / FAT SAILANT	DATE: (Y/M/D)	INITIALS / INITIALS
ZACH BAUMAN			
ALI SAMMOUR			
RAFIAT ISMAIL			
SCALE: 1:250			

1	DRAWING TITLE	
SCALE:		
SHEET NUMBER		

ARCHITECT / ARCHITECTE	CONSULTANT / EXPERT-CONSEIL

CONSULTANT / EXPERT-CONSEIL	CONSULTANT / EXPERT-CONSEIL
LICENSED PROFESSIONAL ENGINEER Z. E. BAUMAN 100578796 April 14, 2026 PROVINCE OF ONTARIO	LICENSED PROFESSIONAL ENGINEER ALI SAMMOUR 100227665 April 14, 2026 PROVINCE OF ONTARIO

PROJECT / LOCATION / PROJET / ENDROIT
ALEXANDER COMMUNITY CENTRE EXPANSION

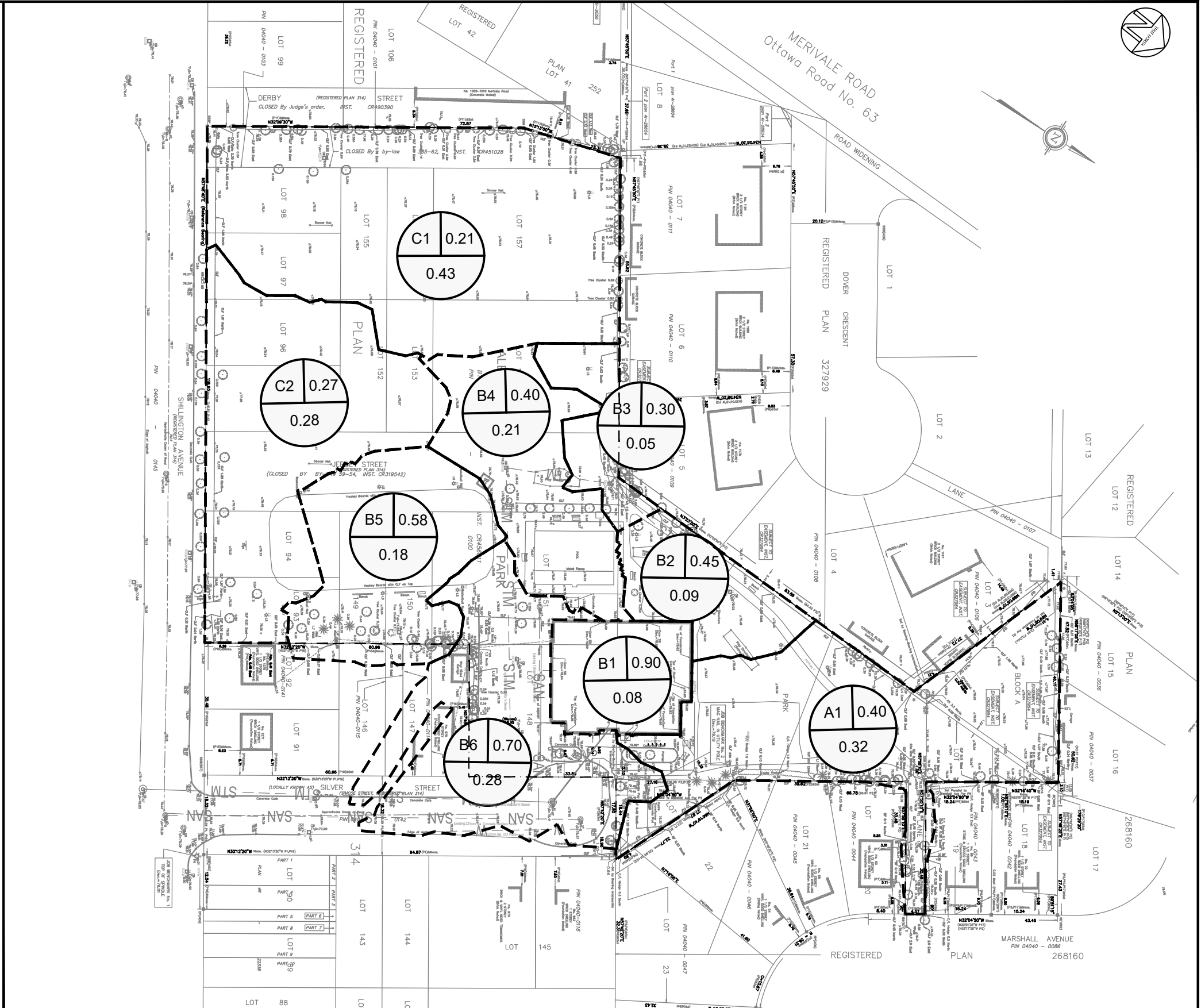
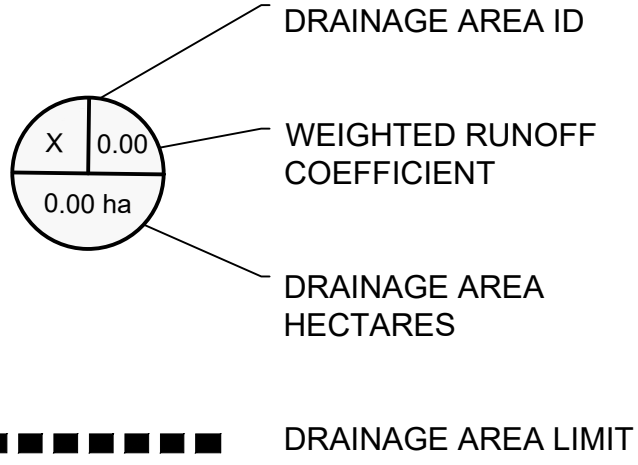
950 Silver Street
 OTTAWA, ONTARIO

DRAWING / DESSIN
DETAILS

BUSINESS ENTITY / NUMERO DE L'ENTITE BUILDING NUMBER / NUMERO DU BATIMENT	SHEET NO. / FEUILLE NO. DET-1
CITY PROJECT NO. / NUMERO DE PROJET 25-1170A	CONS. PROJECT NO. / NUMERO DE PROJET

DWG NAME: J11-MULTIDISCIPLINE2025-1170A - HOBIN - ALEXANDER COMMUNITY CENTRE EXPANSION05 DRAWINGS1 ONGOING05 1170A_ALEXANDER CC EXPANSION-SPC-REV1.DWG LAYOUT: FIG.1_PRE_DEVELOPMENT_AREA SAVED ON 2026-04-09

LEGEND



1	2026-04-14	R.I. / Z.B.	ISSUED FOR SITE PLAN CONTROL REV-1
No.	YYYY-MM-DD	BY	DESCRIPTION



PROJECT
ALEXANDER COMMUNITY CENTRE EXPANSION
 960 SILVER STREET OTTAWA, ON, K1Z 7X3

DRAWING
FIGURE-1
PRE-DEVELOPMENT DRAINAGE AREAS

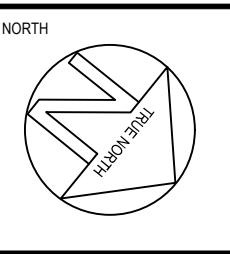
CLIENT No.:

DRAFTED: R.ISMAIL

DESIGNED: R.ISMAIL / Z.BAUMAN

REVIEWED: Z.BAUMAN

APPROVED: A.SAMMOUR



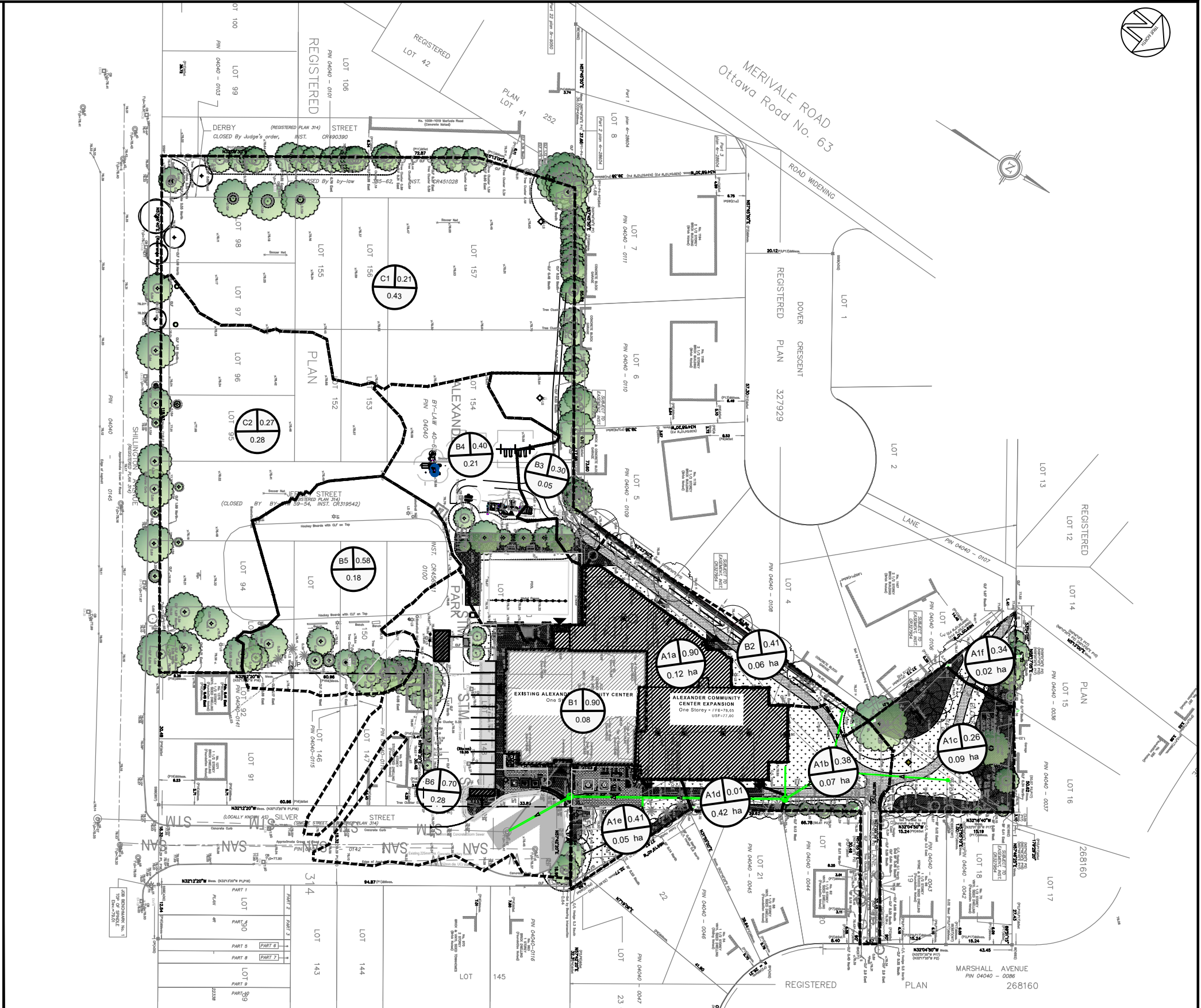
SCALE
 1:1,000
 0 m 10 20 30 40 50 m

SHEET#
FIG.1

DWG NAME: J11-MULTIDISCIPLINE2025-1170A - HOBIN - ALEXANDER COMMUNITY CENTRE EXPANSION.DWG DATE: 2025-04-14

LEGEND

- DRAINAGE AREA ID
- WEIGHTED RUNOFF COEFFICIENT
- DRAINAGE AREA HECTARES
- DRAINAGE AREA LIMIT
- OVERLAND FLOW ROUTE
- NEW BUILDING
- NEW LIGHT DUTY ASPHALT AS PER DETAIL 1 / C3
- NEW HEAVY DUTY ASPHALT AS PER DETAIL 1 / C3
- NEW CONCRETE PATHWAY
- NEW PRECAST PAVERS (TYPE-1 SEE LANDSCAPING)
- NEW PRECAST PAVERS (TYPE-2 SEE LANDSCAPING)
- NEW GRASS (SEE LANDSCAPING)
- MILLING & OVERLAY 50MM THICK HEAVY DUTY ASPHALT AS PER DETAIL 2 / C3
- NEW INLET CONTROL DEVICE
- SEWER FLOW DIRECTION
- BUILDING ENTRANCE
- RD NEW ROOF DRAIN



No.	YYYY-MM-DD	BY	DESCRIPTION
1	2026-04-14	R.I. / Z.B.	ISSUED FOR SITE PLAN CONTROL REV-1



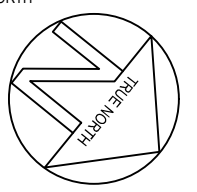
Jp2g PROJECT No.: 24-1170A

PROJECT
ALEXANDER COMMUNITY CENTRE EXPANSION
960 SILVER STREET OTTAWA, ON, K1Z 7X3

DRAWING
FIGURE-2
POST-DEVELOPMENT DRAINAGE AREAS

CLIENT No.:
DRAFTED: R.ISMAIL
DESIGNED: R.ISMAIL / Z.BAUMAN
REVIEWED: Z.BAUMAN
APPROVED: A.SAMMOUR

NORTH

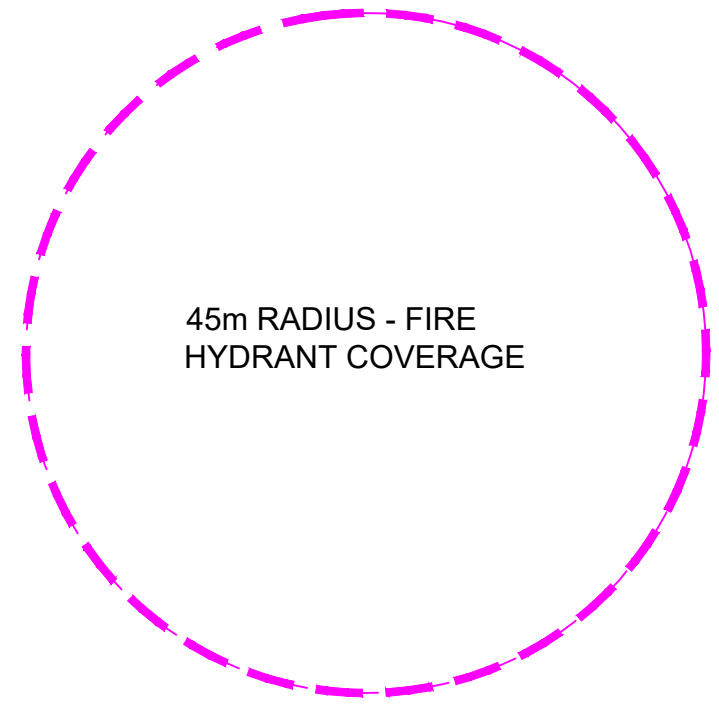








SCALE
1:1,000
0 m 10 20 30 40 50 m

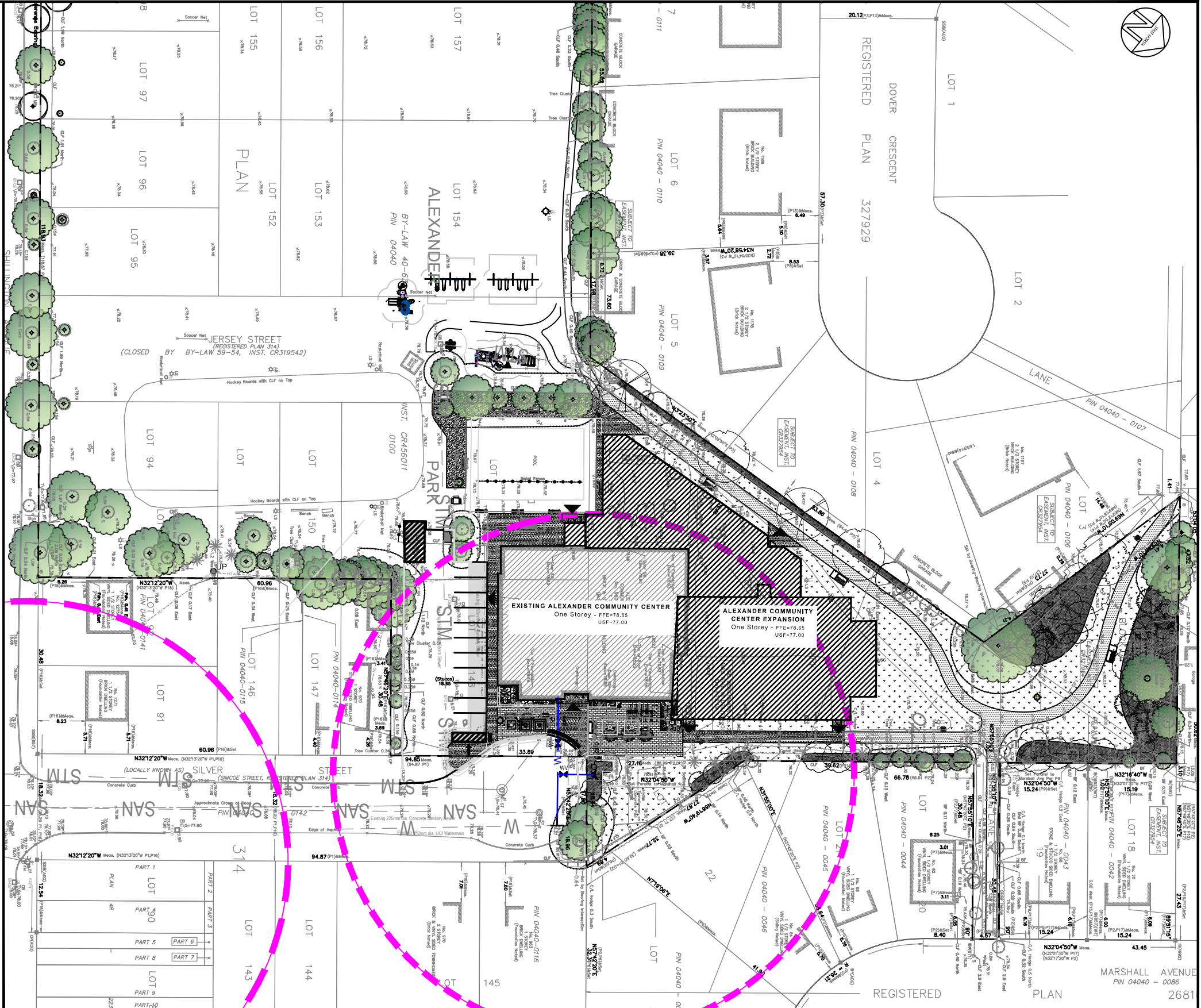
SHEET#
FIG.2

DWG NAME: J11-MULTIDISCIPLINE EXPANSION 05 DRAWINGS1 ONGOING05 1170A_ALEXANDER CC EXPANSION-SPC-REV1 DWG LAYOUT: FIG.3_HYDRANT SAVED ON 2025-04-09

LEGEND



-  EXISTING FIRE HYDRANT
-  EXISTING WATER VALVE
-  EXISTING WATER VALVE
-  NEW FIRE HYDRANT
-  NEW WATER VALVE
-  NEW WATERMAIN



1	2026-04-14	R.I. / Z.B.	ISSUED FOR SITE PLAN CONTROL REV-1
No.	YYYY-MM-DD	BY	DESCRIPTION



PROJECT
ALEXANDER COMMUNITY CENTRE EXPANSION
 960 SILVER STREET OTTAWA, ON, K1Z 7X3

DRAWING
FIGURE-3
FIRE HYDRANT COVERAGE AREAS

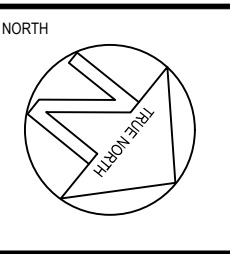
CLIENT No.:

DRAFTED: R.ISMAIL

DESIGNED: R.ISMAIL / Z.BAUMAN

REVIEWED: Z.BAUMAN

APPROVED: A.SAMMOUR



SCALE

1:750

0 m 10 30 m

5 20

SHEET#

FIG.3