

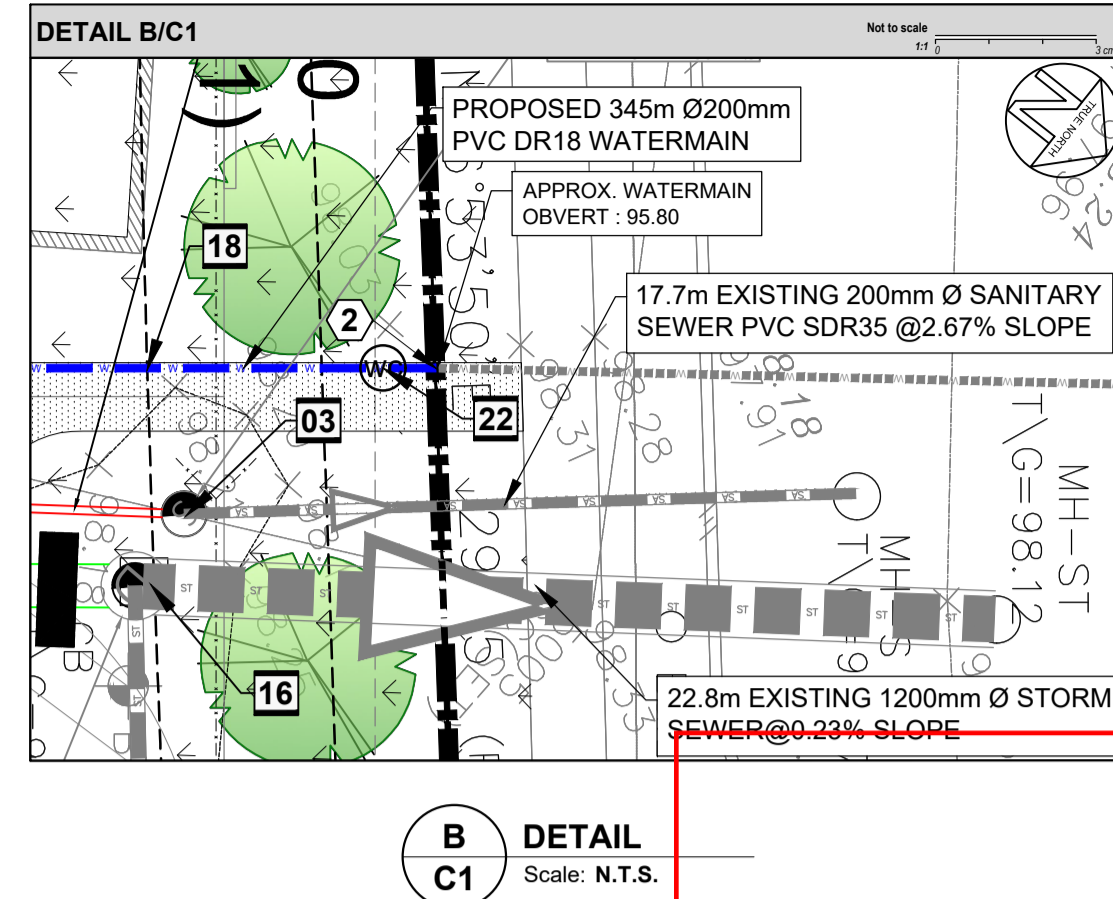
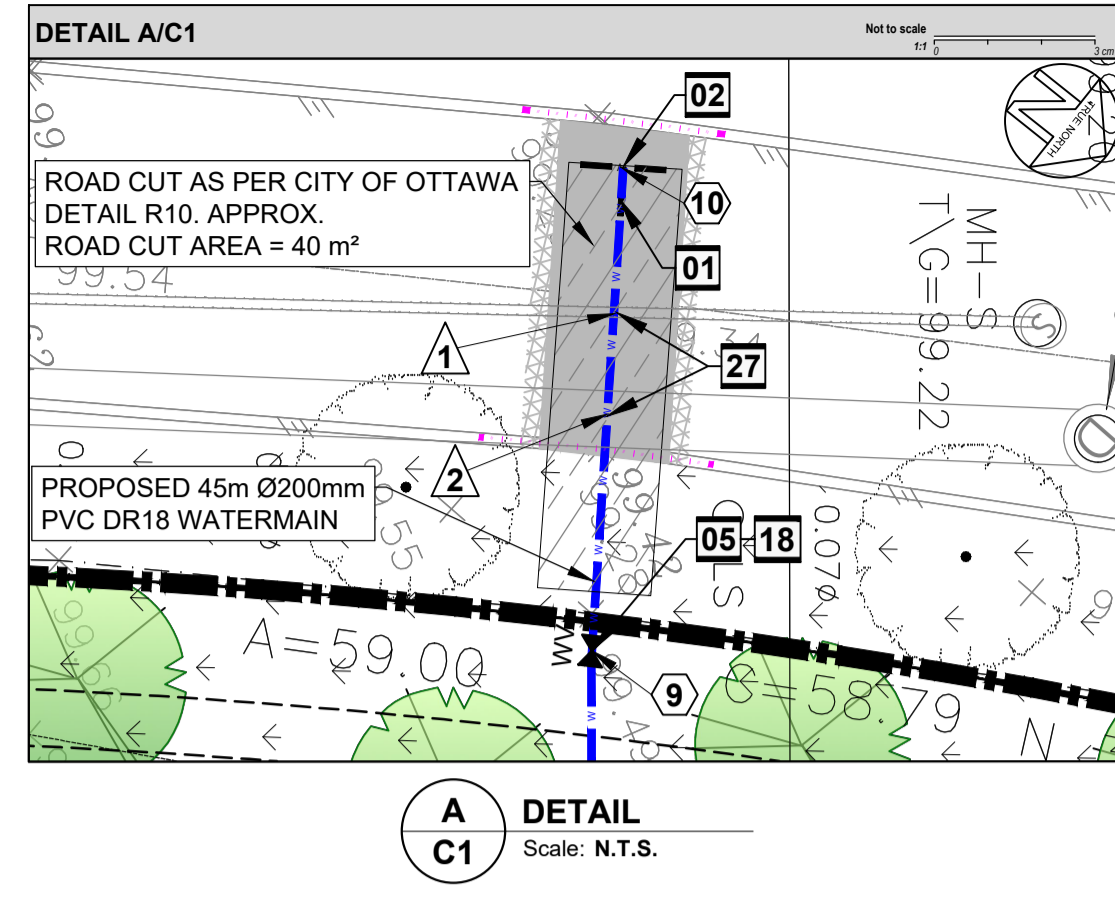
LEGEND	
	PROPERTY LINE
	NEW BUILDING
	DEPRESSED CURB
	BREAK OF SLOPE - NEW
	EXISTING SANITARY SEWER
	EXISTING STORM SEWER
	EXISTING WATERMAIN
	NEW SANITARY SEWER
	NEW STORM SEWER
	NEW WATERMAIN
	NEW PERFORATED DRAIN PIPE
	NEW PERIMETER FOUNDATION DRAINAGE
	NEW DITCH
	EXISTING STORM CULVERT
	NEW STORM CULVERT
	NEW LIGHT DUTY ASPHALT AS PER DETAIL 1 / C3
	NEW HEAVY DUTY ASPHALT AS PER DETAIL 2 / C3
	NEW CONCRETE SIDEWALK
	NEW GRASS
	MILLING & OVERLAY 50mm THICK HEAVY DUTY ASPHALT AS PER DETAIL 3 / C3
	NEW PRECAST PAVERS
	NEW EWF / MULCH
	NEW CLEAR STONE SUBDRAIN TRENCH
	NEW RUBBERIZED ASPHALT TRACK
	NEW STONE DUST PATH
	HIGH LOAD RIGID INSULATION AS PER CITY DETAIL W22
	EXISTING SIDEWALK

LEGEND CONTINUED	
	EXISTING CONCRETE CURB
	NEW CONCRETE CURB
	EXISTING CATCHBASIN
	EXISTING DITCH INLET
	EXISTING STORM MANHOLE
	EXISTING SANITARY MANHOLE
	EXISTING STORM/SANITARY MANHOLE TO BE ADJUSTED
	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE
	NEW CATCHBASIN
	NEW STORM MANHOLE / CATCHBASIN MANHOLE
	NEW SANITARY 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
	NEW TRANSFORMER PAD
	SEWER FLOW DIRECTION
	BUILDING ENTRANCE
	PROPOSED TWSI
	NEW SIAMESE CONNECTION
	WATER CHAMBER
	SEE SHEET NUMBER "C3"
	SEE SHEET NUMBER "C3"

LEGEND CONTINUED	
	EXISTING UTILITY POLE
	EXISTING LIGHT STANDARD
	EXISTING TREE
	PROPOSED TREE, SEE LANDSCAPE
	CLAY SEAL AS PER CITY OF OTTAWA DETAIL S8

GENERAL NOTES	
1. DESIGN AND CONSTRUCTION IS TO BE IN ACCORDANCE WITH MOST RECENT ONTARIO BUILDING CODE.	
2. 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.	
3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL MATERIAL RELEVANT TO THE PROJECT.	
4. 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.	
5. 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.	
6. 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.	
7. FOR EXACT LOCATIONS AND NUMBERS OF ROOF DRAINS AND SCUPPERS, REFER TO MECHANICAL, STRUCTURE AND ARCHITECTURAL DRAWINGS.	



**A** DETAIL  
C1  
Scale: N.T.S.

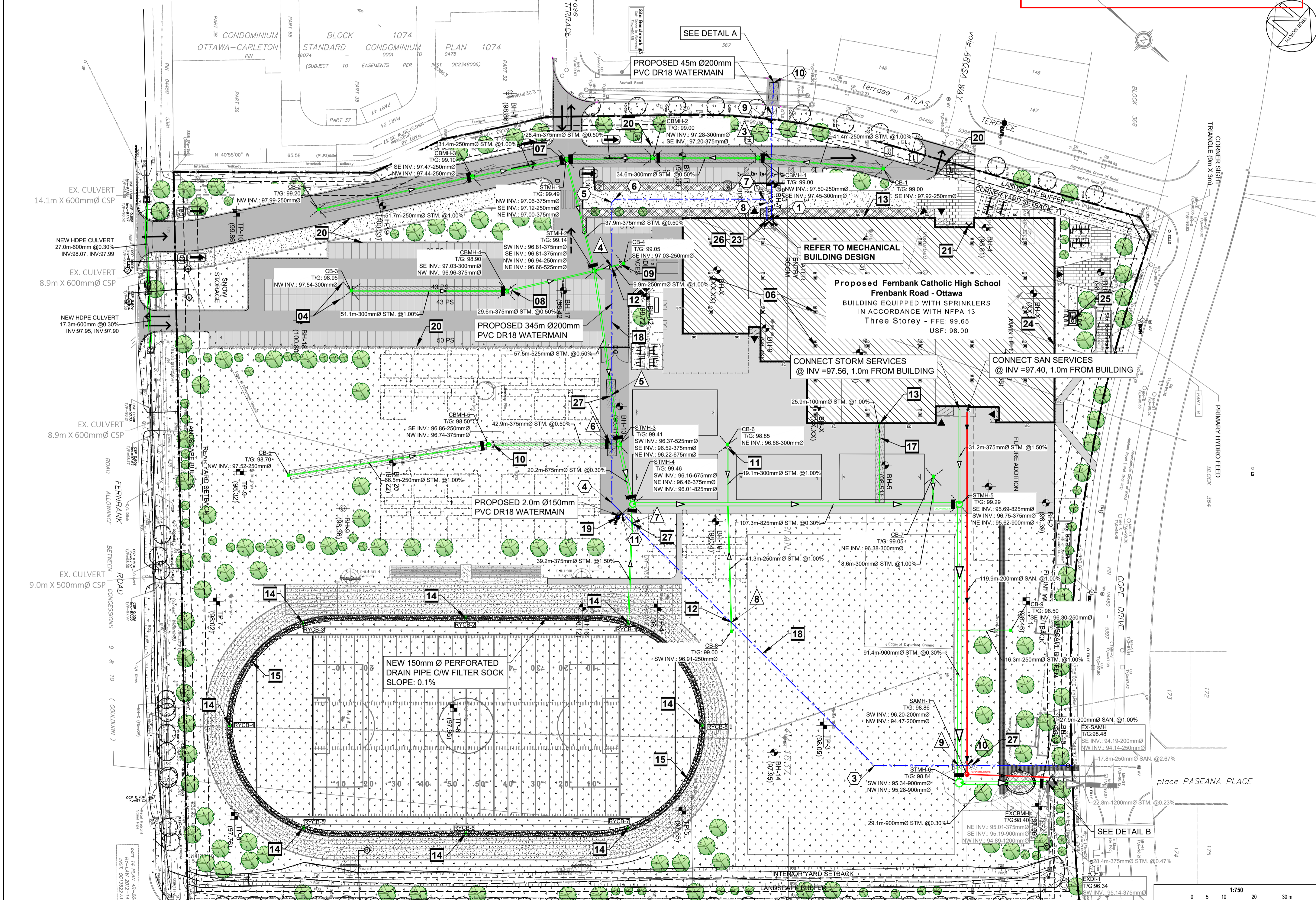
**B** DETAIL  
C1  
Scale: N.T.S.

**APPROVED**  
By Allison Hamlin at 9:36 am, Mar 11, 2026

*Allison Hamlin*  
**ALLISON HAMLIN**  
MANAGER, DEVELOPMENT REVIEW ALL WARDS  
PLANNING, DEVELOPMENT & BUILDING SERVICES  
DEPARTMENT, CITY OF OTTAWA

**DRAWING NOTES**

- SUPPLY AND INSTALL NEW 200mm Ø PVC DR18 WATER MAIN SERVICE, MINIMUM 2.4m COVER, OTHERWISE PROVIDE H4.0 THERMAL INSULATION IN ACCORDANCE WITH OPSD 1109.030. COORDINATE NEW WATER SERVICE CONNECTION WITH MECHANICAL PLANS. THRU 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, DISINFECTION, 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.
- INSTALLATION OF NEW SERVICE CONNECTION TEE 200mm Ø200mm Ø PVC TO EXISTING MUNICIPAL WATERMAIN TO BE COMPLETED BY CITY OF OTTAWA FORCES. EXCAVATION, BACKFILL AND RE-INSTALLMENT BY CONTRACTOR.
- EXISTING 1200mm DIAMETER SANITARY MANHOLE. EXISTING 250mm INVERT S. = 94.19. EXISTING 250mm INVERT N. = 94.14. CONTRACTOR TO CONFIRM INVERTS PRIOR TO CONSTRUCTION. REMOVE EXISTING 250mm SOUTH SANITARY SEWER. CONNECT NEW 250mm SANITARY SEWER TO EXISTING MANHOLE AT INVERT 94.19. PARGE AND PROVIDE WATER TIGHT CONNECTION.
- INSTALL FOUR W/ 3.0m LONG 150mm Ø PERFORATED SUBDRAIN WRAPPED IN GEOTEXTILE SOCK EXTENDING FROM 200mm AT PAVEMENT SUBGRADE LEVEL. PROVIDE WATER TIGHT CONNECTION (TYP).
- SUPPLY AND INSTALL NEW 200mm WATER VALVE AT PROPERTY LINE. VALVE BOX 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 W/R SETTINGS IN CLOSED POSITION. MAXIMUM DISCHARGE: 15.80 l/s TOTAL. MAXIMUM ROOF PONDING DEPTH 150mm. 100 YEAR PONDING VOLUME = 349.4 m³.
- SUPPLY AND INSTALL NEW INLET CONTROL DEVICE FLOW REGULATOR AT MANHOLE, STM#1 OUTLET. MAXIMUM DISCHARGE 83.9 l/s AT 2.0m HEAD AND ORIFICE DIAMETER AT 167mm.
- SUPPLY AND INSTALL NEW INLET CONTROL DEVICE FLOW REGULATOR AT CATCHBASIN, CBM#4 OUTLET. MAXIMUM DISCHARGE 90.4 l/s AT 1.97m HEAD AND ORIFICE DIAMETER AT 174mm.
- SUPPLY AND INSTALL NEW INLET CONTROL DEVICE FLOW REGULATOR AT CATCHBASIN, CB-4 OUTLET. MAXIMUM DISCHARGE 40.10 l/s AT 2.08m HEAD AND ORIFICE DIAMETER AT 115mm.
- SUPPLY AND INSTALL NEW INLET CONTROL DEVICE FLOW REGULATOR AT CATCHBASIN, CBM#5 OUTLET. MAXIMUM DISCHARGE 30.2 l/s AT 1.89m HEAD AND ORIFICE DIAMETER AT 102mm.
- SUPPLY AND INSTALL NEW INLET CONTROL DEVICE FLOW REGULATOR AT CATCHBASIN, CB-6 OUTLET. MAXIMUM DISCHARGE 82.40 l/s AT 2.28m HEAD AND ORIFICE DIAMETER AT 160mm.
- CONSTRUCT WATERMAIN CROSSING BENEATH SEWER AS PER CITY OF OTTAWA DETAIL W25 WITH MINIMUM 0.5m BARREL TO BARREL SEPARATION.
- CONNECT NEW 100mm PERIMETER FOUNDATION DRAINAGE WITH FILTER SOCK TO 100mm STORM SERVICE AT INVERT 98.00 AT USF LEVEL.
- INSTALL NEW REAR YARD CATCH BASIN AS PER CITY OF OTTAWA DETAIL S30.
- NEW 150mm PERFORATED SUBDRAIN WITH FILTER SOCK. SUBDRAIN TO BE CONSTRUCTED IN CLEAR STONE EXTENDING 300mm X 300mm FROM EDGE OF PIPE.
- EXISTING 2400 DIAMETER STORM MANHOLE. EXISTING 1200mm INVERT N. = 94.89. EXISTING 375mm INVERT EAST = 95.01. CONTRACTOR TO CONFIRM INVERTS PRIOR TO CONSTRUCTION AND ADVISE OF ANY DISCREPANCY. BREAK INTO EXISTING MANHOLE TO PROVIDE CONNECTION OF NEW 900mm STORM SEWER AT INVERT 95.19. PARGE AND PROVIDE WATER TIGHT CONNECTION.
- SUPPLY AND INSTALL PROLINE FITTINGS INSPECTION CHAMBER AND BACKWATER VALVE. TOP OF INSPECTION CHAMBER LID TO BE FLUSH WITH FINISHED GRADE.
- 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 W18. 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.
- SUBDRAINS SHOULD BE INSTALLED UNDER CURBS ON THE SIDES OF THE ACCESS ROAD AND PARKING AREA AND TO CONNECT TO STORM WATER NETWORK. SEE GEOTECHNICAL NOTES AND REFER TO GEOTECHNICAL REPORT.
- NEW SIAMESE CONNECTION. REFER TO MECHANICAL & ARCHITECTURAL DRAWINGS FOR EXACT LOCATION.
- INSTALL NEW DISTRICT METER AREA (DMA) CHAMBER AND VALVE AS PER CITY OF OTTAWA STANDARD DETAIL DRAWING W3 AND W3.3.
- WATER SERVICE ENTRY, TOP OF WATERMAIN AT 97.30 TO BE 0.70m UNDERNEATH USF ELEVATION. INVERT LEVELS TO BE COORDINATED AND MATCHING 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.
- NEW TRANSFORMER AND BOLLARDS.
- PRESSURE REDUCING VALVE TO BE INSTALLED AS PER ONTARIO PLUMBING CODE. COORDINATE WITH MECHANICAL CONTRACTOR.
- CONSTRUCT WATERMAIN CROSSING OVER SEWER AS PER CITY OF OTTAWA DETAIL W25.2 WITH MINIMUM 0.30m BARREL TO BARREL SEPARATION. PROVIDE THERMAL INSULATION AS PER DETAIL W22.



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Jp2g PROJECT No. 24-5050A



NOT FOR CONSTRUCTION		
No.	DESCRIPTION	YYYY-MM-DD
6	ISSUED FOR SITE PLAN CONTROL R2	2026-01-27
5	ISSUED FOR 80% DESIGN DEVELOPMENT	2026-01-08
4	ISSUED FOR SITE PLAN CONTROL R1	2025-12-02
3	ISSUED FOR 66% DESIGN DEVELOPMENT	2025-11-14
2	ISSUED FOR SITE PLAN CONTROL	2025-10-23
1	ISSUED FOR PHASE 2 PRE-CONSULTATION APPLICATION	2025-09-05

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71 Bank Street, 7th Floor - Ottawa, Ontario K1P 5N2  
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project  
**Fernbank Catholic High School**  
5431 Fernbank Road, Ottawa, ON K2S 0T7

Professional Engineer Seal: Z. E. BAUMAN, 1005/8796, January 27, 2026  
Professional Architect Seal: A. SAMMOUR, 100227665, January 27, 2026

drawing title  
**Site Servicing Plan**

scale As Shown	drawn by R. Ismail
date Sept. 2025	checked by Z. Bauman / A. Sammour
project number 24-835	drawing number <b>C1</b>

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

LEGEND	
[Symbol]	PROPERTY LINE
[Symbol]	NEW BUILDING
[Symbol]	DEPRESSED CURB
[Symbol]	BREAK OF SLOPE - NEW
[Symbol]	NEW DITCH
[Symbol]	LIMIT OF HIGH POINT
[Symbol]	CONCRETE CURB REMOVAL
[Symbol]	NEW LIGHT DUTY ASPHALT AS PER DETAIL 1 / C3
[Symbol]	NEW HEAVY DUTY ASPHALT AS PER DETAIL 2 / C3
[Symbol]	NEW CONCRETE SIDEWALK
[Symbol]	NEW GRASS
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[Symbol]	NEW PRECAST PAVERS
[Symbol]	NEW EWF / MULCH
[Symbol]	NEW CLEAR STONE SUBDRAIN TRENCH
[Symbol]	NEW RUBBERIZED ASPHALT TRACK
[Symbol]	NEW STONE DUST PATH
[Symbol]	EXISTING SIDEWALK
[Symbol]	EXISTING CONCRETE CURB
[Symbol]	NEW CONCRETE CURB
[Symbol]	PROPOSED TWSI
[Symbol]	NEW TRANSFORMER PAD
[Symbol]	EXISTING STREET LIGHT
[Symbol]	EXISTING HYDRO POLE

LEGEND CONTINUED	
[Symbol]	EXISTING CATCHBASIN
[Symbol]	EXISTING DITCH INLET
[Symbol]	EXISTING STORM MANHOLE
[Symbol]	EXISTING SANITARY MANHOLE
[Symbol]	EXISTING STORM / SANITARY MANHOLE TO BE ADJUSTED
[Symbol]	EXISTING FIRE HYDRANT
[Symbol]	EXISTING WATER VALVE
[Symbol]	NEW CATCHBASIN
[Symbol]	NEW STORM MANHOLE / CATCHBASIN MANHOLE
[Symbol]	NEW SANITARY MANHOLE
[Symbol]	NEW REAR YARD CATCH BASIN
[Symbol]	NEW FIRE HYDRANT
[Symbol]	NEW WATER VALVE
[Symbol]	NEW INLET CONTROL DEVICE
[Symbol]	NEW ROOF DRAIN
[Symbol]	NEW SCUPPER AT 150mm ABOVE ROOF DRAIN LEVEL
[Symbol]	BUILDING ENTRANCE
[Symbol]	NEW SIAMENSE CONNECTION
[Symbol]	EXISTING NATURAL GRADE
[Symbol]	PROPOSED ELEVATION & EXISTING NATURAL GRADE
[Symbol]	PROPOSED ELEVATION
[Symbol]	PROPOSED BOTTOM OF CURB ELEVATION
[Symbol]	PROPOSED TOP OF CURB ELEVATION
[Symbol]	PROPOSED SLOPE
[Symbol]	OVERLAND FLOW ROUTE

### GEOTECHNICAL NOTES

- A GEOTECHNICAL ENGINEER LICENSED IN THE PROVINCE OF ONTARIO SHALL INSPECT ALL SUBGRADE SURFACES FOR FOOTINGS AND TRENCHES, PIPE BEDDING AND PAVEMENT STRUCTURES PRIOR TO CONSTRUCTION.
- IT IS STRICTLY RECOMMENDED TO REFER GEOTECHNICAL INVESTIGATION REPORT - GEOTECHNICAL INVESTIGATION FERNBANK CATHOLIC HIGH SCHOOL, 5431 FERNBANK ROAD, OTTAWA, ONTARIO BY EXP SERVICES INC.
- IT IS ANTICIPATED THAT THE MAJORITY OF THE MATERIAL REQUIRED FOR BACKFILL 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 MATERIAL SPECIFICATIONS, THICKNESS OF COVER MATERIAL AND COMPACTION REQUIREMENTS CONFORM TO MUNICIPAL REQUIREMENTS AND ONTARIO PROVINCIAL STANDARDS SPECIFICATION AND DRAWINGS (OPSS AND OPSD).
- IT IS RECOMMENDED THAT THE PIPE BEDDING BE 300 MM 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 300 MM. 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 300 MM 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 BOULDERS SHOULD BE EXPECTED DURING THE INSTALLATION OF ANY SERVICES AT THE SITE AND CONTRACTORS BIDDING ON THIS WORK SHOULD ANTICIPATE THESE CONDITIONS.
- 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 D698-12E2).

### GEOTECHNICAL NOTES CONTINUED

- THE SUBDRAINS ILLUSTRATED ON PLANS ARE SCHEMATIC. FULL SCHEME 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.
- 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 MRO (ASTM D2911). 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.
- STRICT CONSTRUCTION CONTROL PROCEDURES SHOULD BE MAINTAINED TO ENSURE THAT UNIFORM SUBGRADE MOISTURE AND DENSITY CONDITIONS ARE ACHIEVED.

### GEOTECHNICAL NOTES CONTINUED

- 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. 98. THE SEALS SHOULD BE 1m WIDE, EXTENDING 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.

**APPROVED**  
By Allison Hamlin at 9:36 am, Mar 11, 2026

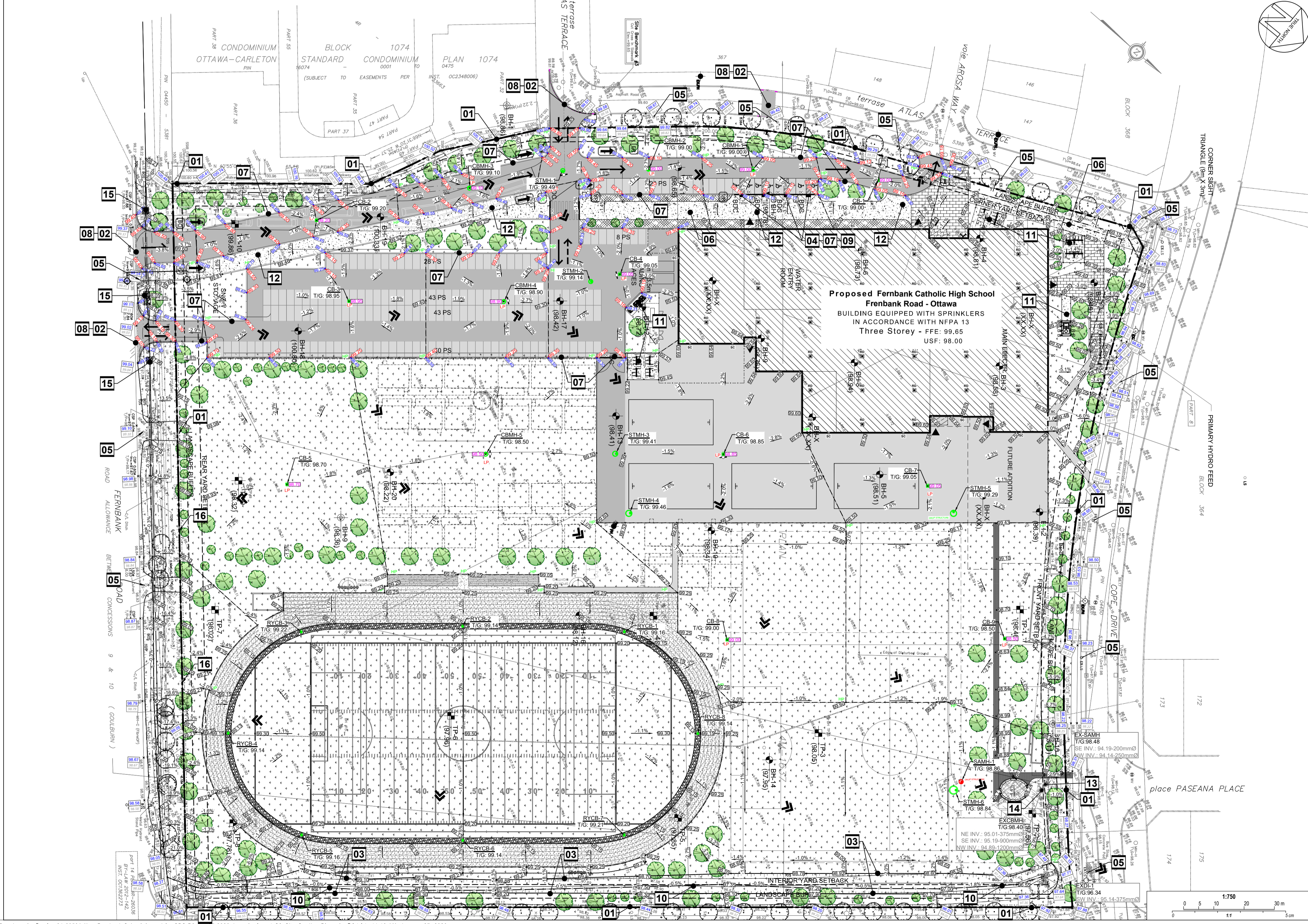
*A Hamlin*  
**ALLISON HAMLIN**  
MANAGER, DEVELOPMENT REVIEW ALL WARDS  
PLANNING, DEVELOPMENT & BUILDING SERVICES  
DEPARTMENT, CITY OF OTTAWA

### GENERAL NOTES

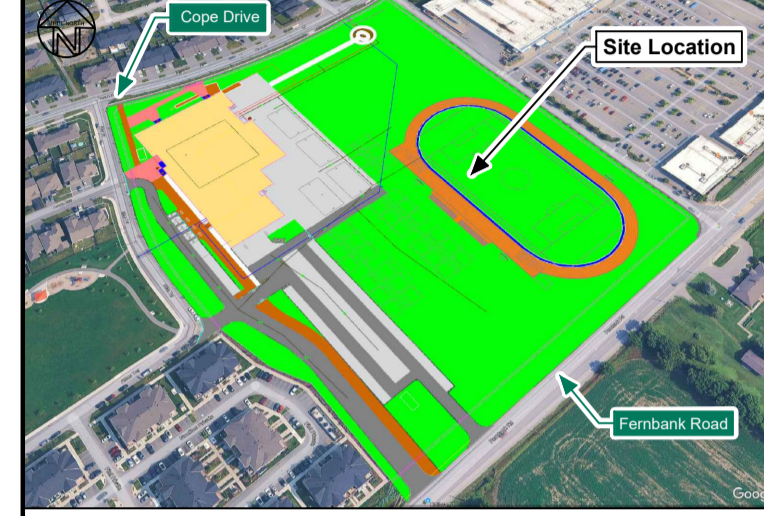
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- CONTRACTOR RESPONSIBLE FOR OBTAINING ALL REQUIRED UTILITY LOCATES, DAYLIGHTING, INSPECTIONS, PERMITS, AND APPROVALS, INCLUDING ALL ASSOCIATED COSTS. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY AND BASED ON BEST AVAILABLE INFORMATION.
- IN 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 REINSTATED TO EQUAL OR BETTER CONDITION TO THE SATISFACTION OF THE CITY OF OTTAWA.
- TOP OF BANK, PROVIDE MAXIMUM 4:1 SLOPE TO TIE INTO EXISTING / PROPOSED GRADES.
- TWSI AS PER CITY STANDARDS.
- EXISTING LIGHT STANDARD TO BE PROTECTED DURING CONSTRUCTION.
- CONSTRUCT SIDEWALK AS PER CITY OF OTTAWA STANDARD DETAIL SC4 & SC5. PROVIDE MAXIMUM SLOPE OF 2.0%. INSTALL REINFORCING MESH 150x150mm MW9 1XMW9.1 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.
- CONSTRUCT NEW SWALE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD DETAIL DRAWING S29 (WITH HDPE PERFORATED PIPE).
- CONCRETE PADS FOR GARBAGE STORAGE / BIKE RACKS & NEW TRANSFORMER.
- CONSTRUCT SIDEWALK AND CURB AS PER CITY OF OTTAWA DETAIL SC1.4 CONSTRUCT EXPANSION JOINTS AS PER CITY OF OTTAWA DETAIL SC5.
- PROVIDE RISERS AND ADJUSTMENT UNITS OVER EXISTING 1200mm DIAMETER SANITARY MANHOLE TO BRING TO FINISHED GRADE. TOP OF STRUCTURE CONCRETE AT APPROXIMATELY 97.23. FINISHED GRADE AT 98.33. PROVIDE NEW FRAME AND GRATE AS PER CITY OF OTTAWA DETAIL S25 AND S24.1. PARGE AND PROVIDE WATER TIGHT CONNECTION.
- PROVIDE RISERS AND ADJUSTMENT UNITS OVER EXISTING 2400mm DIAMETER STORM MANHOLE TO BRING TO FINISHED GRADE. TOP OF EXISTING STRUCTURE CONCRETE AT APPROXIMATELY 97.23. FINISHED GRADE AT 98.33. PROVIDE NEW FRAME AND GRATE AS PER CITY OF OTTAWA DETAIL S25 / S24.1 PARGE AND PROVIDE WATER TIGHT CONNECTION.
- RIP-RAP PER OPSD 810.010. REFER TO DRAWING C5
- PROVIDE MAX 3H:1V SLOPE FROM PROPERTY LINE TO TIE INTO EXISTING DITCH GRADE.



**Jp2g Consultants Inc.**  
ENGINEERS · PLANNERS · PROJECT MANAGERS  
12 INTERNATIONAL DR. PEMBROKE, ON, K8A 6W5  
1150 MORRISON DR., #410 OTTAWA, ON, K2M 6S9  
16 EDWARD ST. S., #211 ABRAPROR, ON, K7S 3W4  
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OTTAWA@JP2G.COM ANNPROR@JP2G.COM



**NOT FOR CONSTRUCTION**

No.	DESCRIPTION	YYYY-MM-DD
6	ISSUED FOR SITE PLAN CONTROL R2	2026-01-27
5	ISSUED FOR 80% DESIGN DEVELOPMENT	2026-01-08
4	ISSUED FOR SITE PLAN CONTROL R1	2025-12-02
3	ISSUED FOR 66% DESIGN DEVELOPMENT	2025-11-14
2	ISSUED FOR SITE PLAN CONTROL	2025-10-23
1	ISSUED FOR PHASE 2 PRE-CONSULTATION APPLICATION	2025-09-05

**N45 ARCHITECTURE INC.**  
71 Bank Street, 7th Floor - Ottawa, Ontario K1P 5N2  
tel. 613.224.0095 fax 613.224.9811

project  
**Fernbank Catholic High School**  
5431 Fernbank Road, Ottawa, ON K2S 0T7

Professional Engineer Seal:  
Z. E. BAUMAN  
1005/8796  
January 27, 2026  
PROVINCE OF ONTARIO

Professional Architect Seal:  
A. SAMMOUR  
100227665  
January 27, 2026  
PROVINCE OF ONTARIO

drawing title	
<b>Site Grading Plan</b>	
scale As Shown	drawn by R. Ismail
date Sept. 2025	checked by Z. Bauman / A. Sammour
project number 24-835	drawing number <b>C2</b>
CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS.	
revision	

D07-12-25-0141

**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 ARCHITECTS PLANS FOR BUILDING DIMENSIONS, LAYOUT AND REMOVAL OF EXISTING LANDSCAPE 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, O'SULLIVAN, VOLLEBEKK LTD. JOB NO.: 23493-23 OC3B BK036 PHM837 D.F. DATED JULY 13, 2023. 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 FONDING 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 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 LOCATIONS. ALL EXCESS SOIL MANAGEMENT, TESTING AND DISPOSAL MUST COMPLY WITH CURRENT O.R.E.G. 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  
FERNBANK CATHOLIC HIGH SCHOOL,  
5431 FERNBANK ROAD, OTTAWA, ONTARIO  
PREPARED BY EXP. PROJECT NO.: OTT-23004319-A0  
DATED JANUARY 24, 2025.
- PROVIDE CCTV INSPECTION REPORT FOR ALL SEWERS AND CATCH-BASIN LEADS 200mm DIAMETER AND LARGER. REPEAT CCTV INSPECTION FOLLOWING RECTIFICATION OF ANY DEFICIENCIES.

**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 CCTV INSPECTION REPORTS FOR ALL NEW SANITARY PIPING. PROVIDE DYE TESTING FOR NEW SERVICES.
- SANITARY SEWER PIPE SIZE 150mm DIAMETER AND GREATER TO BE PVC SDR-35 (UNLESS SPECIFIED OTHERWISE) WITH RUBBER GASKET TYPE JOINTS IN CONFORMANCE WITH CSA B-182.2.3.4.
- 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 S25 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.

**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 A-287.3.
- 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 CATCH-BASIN 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 CATCH-BASIN LEADS TO BE MINIMUM 200mm DIAMETER AT MINIMUM 1.0% SLOPE UNLESS OTHERWISE SPECIFIED.
- STORM CATCH-BASINS AS PER OPSD 705.010 AND FRAME COVER 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.

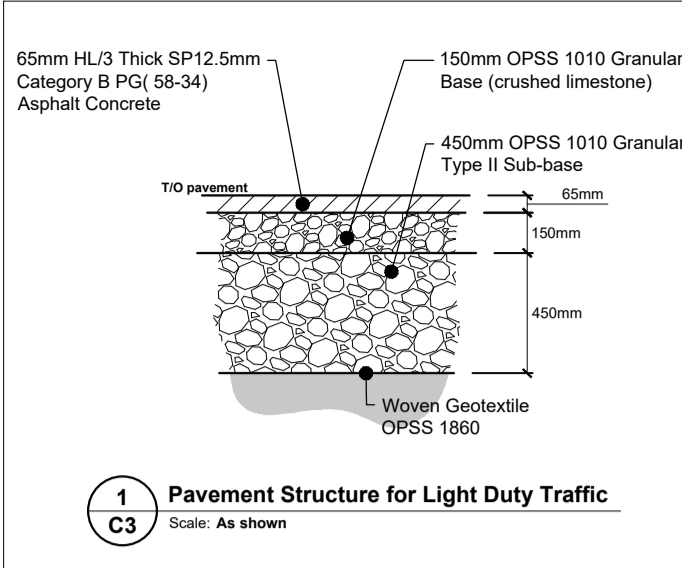
**Parking Lot and Work in Public Rights of Way**

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

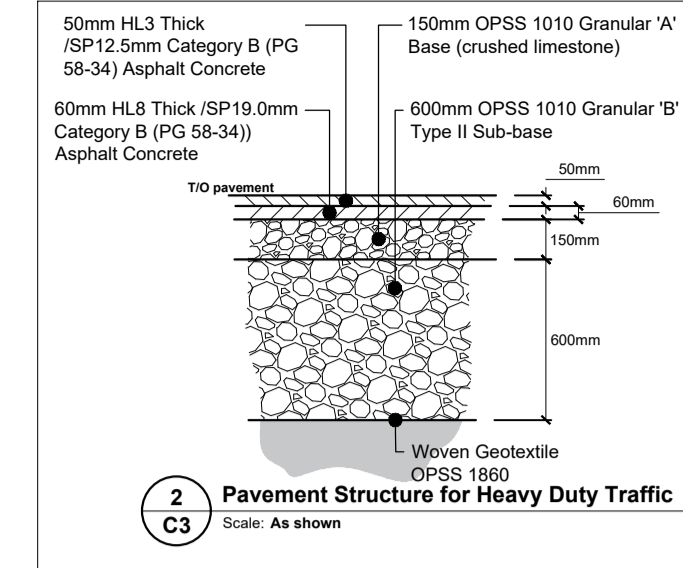
- PRIOR TO START OF CONSTRUCTION:
  - INSTALL SILT FENCE IN LOCATION SHOWN ON DWG C4.
  - INSTALL FILTER FABRIC OR SILT SACK FILTERS IN ALL THE CATCHBASINS AND MANHOLES TO REMAIN DURING CONSTRUCTION WITHIN THE SITE (SEE TYPICAL DETAIL).
  - INSPECT MEASURES IMMEDIATELY AFTER INSTALLATION.
- DURING CONSTRUCTION:
  - 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. TIE-IN TEMPORARY SWALE TO EXISTING CBS 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 SEED/ED 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 CLEARED OF ALL SEDIMENT FROM VEHICULAR TRACKING AS REQUIRED.
  - DURING WET CONDITIONS, TIRES OF ALL VEHICLES/EQUIPMENT LEAVING THE SITE ARE TO BE SCRAPED.
  - 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 WATER COURSE, 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.

**Parking Lot and Work in Public Rights of Way**

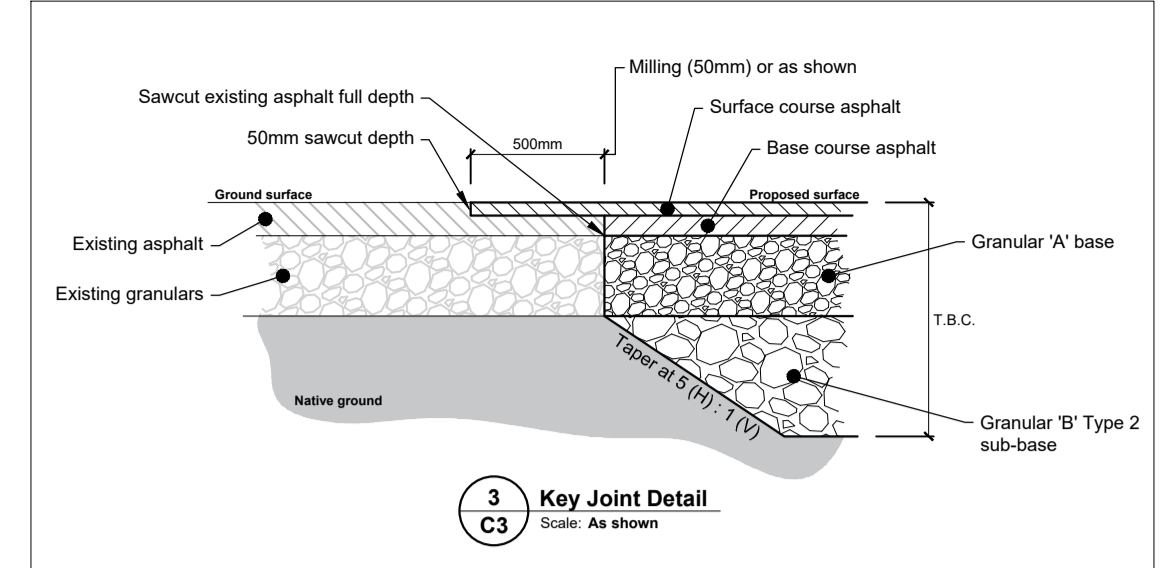
- CONTRACTOR TO REINSTATE ROAD CUTS AS PER CITY OF OTTAWA DETAIL R10.
- CONTRACTOR TO PREPARE SUBGRADE, INCLUDING PROOFLAPPING, TO THE SATISFACTION OF THE GEOTECHNICAL CONSULTANT PRIOR TO THE COMMENCEMENT OF PLACEMENT OF GRANULAR B MATERIAL.
- FILL TO BE PLACED AND COMPACTED PER THE GEOTECHNICAL REPORT 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.



1 C3 Pavement Structure for Light Duty Traffic Scale: As shown



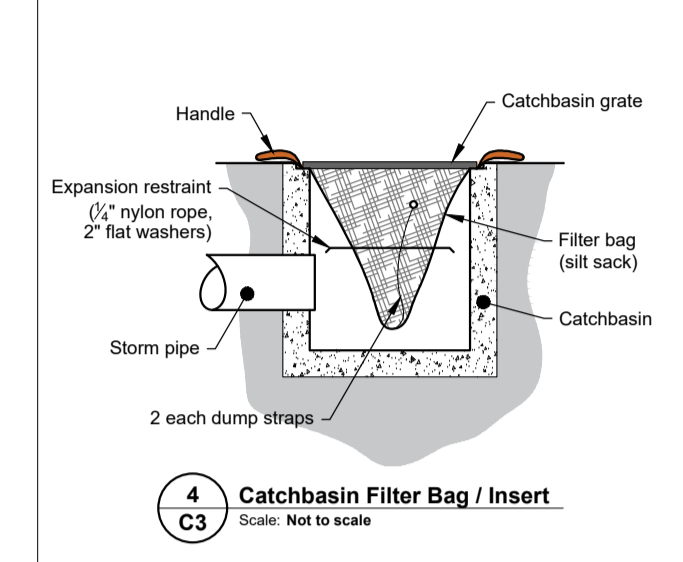
2 C3 Pavement Structure for Heavy Duty Traffic Scale: As shown



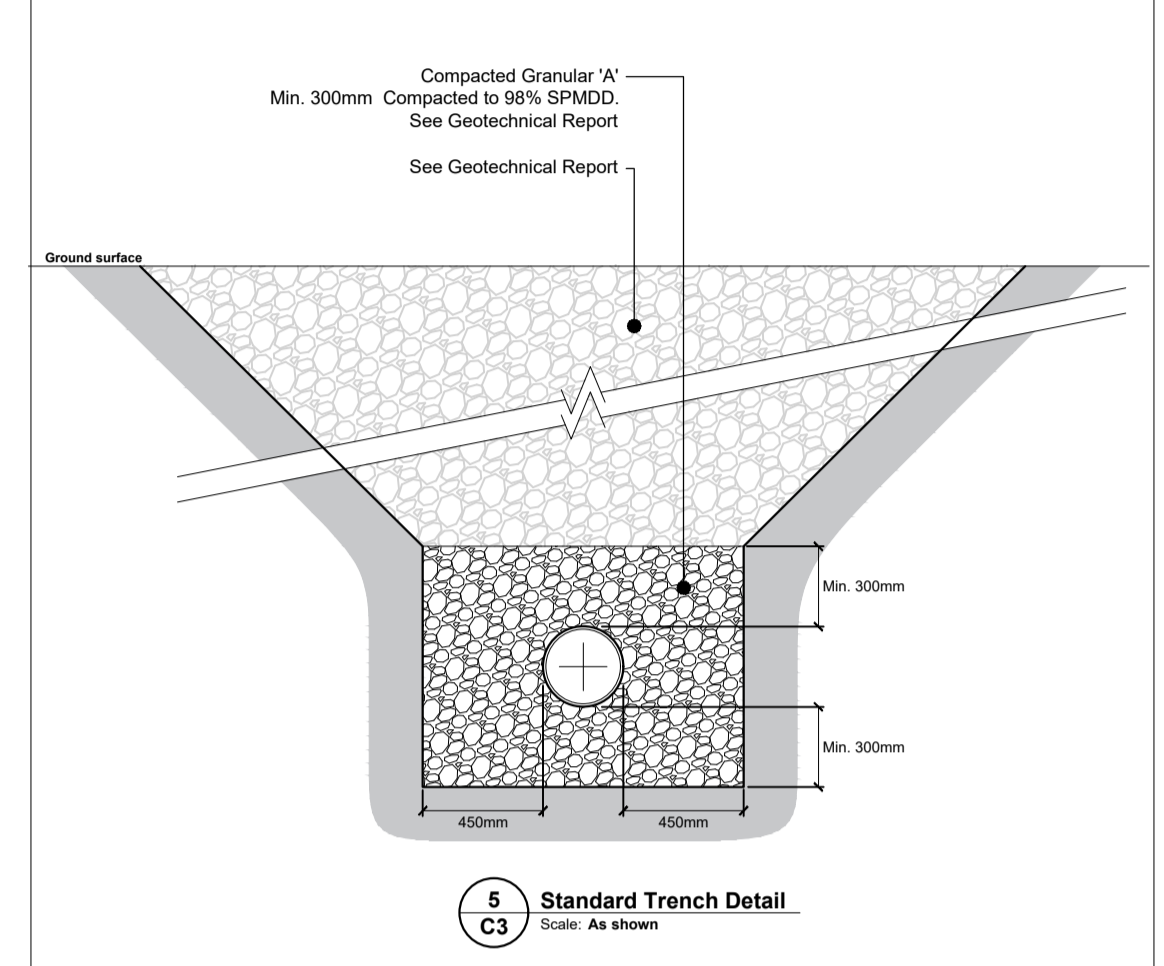
3 C3 Key Joint Detail Scale: As shown

**Notes: Protection of City Sewers**

- CONTRACTOR RESPONSIBLE TO:
  - OBTAIN A VIDEO INSPECTION OF THE CITY SEWER SYSTEM WITHIN ATLAS TERRACE AND COPE DRIVE PRIOR TO ANY CONSTRUCTION TO DETERMINE THE CONDITION OF THE EXISTING CITY SEWER SYSTEM PRIOR TO CONSTRUCTION ON THE LANDS AND TO PROVIDE SAID VIDEO INSPECTION TO THE GENERAL MANAGER, PLANNING, DEVELOPMENT AND BUILDING SERVICES.
  - UPON COMPLETION OF CONSTRUCTION ON THE LANDS, THE CONTRACTOR SHALL AT ITS EXPENSE AND TO THE SATISFACTION OF THE GENERAL MANAGER, PLANNING, DEVELOPMENT AND BUILDING SERVICES:
    - OBTAIN A VIDEO INSPECTION OF THE EXISTING CITY SEWER SYSTEM WITHIN ATLAS TERRACE AND COPE DRIVE TO DETERMINE IF THE CITY SEWER SYSTEM SUSTAINED ANY DAMAGES AS A RESULT OF CONSTRUCTION ON THE LANDS, AND ASSUME ALL LIABILITY FOR ANY DAMAGES CAUSED TO THE CITY SEWER SYSTEM WITHIN ATLAS TERRACE AND COPE DRIVE AND COMPENSATE THE CITY FOR THE FULL AMOUNT OF ANY REQUIRED REPAIRS TO THE CITY SEWER SYSTEM.
    -



4 C3 Catchbasin Filter Bag / Insert Scale: Not to scale



5 C3 Standard Trench Detail Scale: As shown

*Allison Hamlin*  
**ALLISON HAMLIN**  
MANAGER, DEVELOPMENT REVIEW ALL WARDS  
PLANNING, DEVELOPMENT & BUILDING SERVICES  
DEPARTMENT, CITY OF OTTAWA

**APPROVED**  
By Allison Hamlin at 9:36 am, Mar 11, 2026

MANHOLE NO.	DESCRIPTION	T/GRATE ELEVATION	INVERT ELEVATION / PIPE DIAMETER	OPSD No.	FRAME (CITY OF OTTAWA)
CB-1	600x600mm Catchbasin	99.00	SE INV.: 97.92 - 250mmØ	705.010	S19
CB-2	600x600mm Catchbasin	99.20	NW INV.: 97.99 - 250mmØ	705.010	S19
CB-3	600x600mm Catchbasin	98.95	NW INV.: 97.54 - 300mmØ	705.010	S19
CB-4	600x600mm Catchbasin	99.05	SE INV.: 97.03 - 250mmØ	705.010	S19
CB-5	600x600mm Catchbasin	98.70	NW INV.: 97.52 - 250mmØ	705.010	S19
CB-6	600x600mm Catchbasin	98.85	NE INV.: 96.68 - 300mmØ	705.010	S19
CB-7	600x600mm Catchbasin	99.05	NE INV.: 96.38 - 300mmØ	705.010	S19
CB-8	600x600mm Catchbasin	99.00	SW INV.: 96.91 - 250mmØ	705.010	S19
CB-9	600x600mm Catchbasin	98.50	SE INV.: 96.30 - 250mmØ	705.010	S19
CBMH-1	1,200mmØ Manhole	99.00	NW INV.: 97.50 - 250mmØ SE INV.: 97.45 - 300mmØ	701.010	S25 / S28.1
CBMH-2	1,200mmØ Manhole	99.00	NW INV.: 97.28 - 300mmØ SE INV.: 97.20 - 375mmØ	701.010	S25 / S28.1
CBMH-3	1,200mmØ Manhole	99.10	SE INV.: 97.47 - 250mmØ NW INV.: 97.44 - 250mmØ	701.010	S25 / S28.1
CBMH-4	1,200mmØ Manhole	98.90	SE INV.: 97.03 - 300mmØ NW INV.: 96.96 - 375mmØ	701.010	S25 / S28.1
CBMH-5	1,200mmØ Manhole	98.50	SE INV.: 96.86 - 250mmØ NW INV.: 96.74 - 375mmØ	701.010	S25 / S28.1
STMH-1	1,200mmØ Manhole	99.49	NW INV.: 97.06 - 375mmØ SE INV.: 97.12 - 250mmØ NE INV.: 97.00 - 375mmØ	701.010	S25 / S24.1
STMH-2	1,200mmØ Manhole	99.14	SW INV.: 96.81 - 375mmØ SE INV.: 96.81 - 375mmØ NW INV.: 96.94 - 250mmØ NE INV.: 96.66 - 525mmØ	701.010	S25 / S24.1
STMH-3	1,500mmØ Manhole	99.41	SW INV.: 96.37 - 525mmØ SE INV.: 96.52 - 375mmØ NE INV.: 96.22 - 675mmØ	701.011	S25 / S24.1
STMH-4	1,800mmØ Manhole	99.46	SW INV.: 96.16 - 675mmØ NE INV.: 96.46 - 375mmØ NW INV.: 96.01 - 825mmØ	701.012	S25 / S24.1
STMH-5	1,800mmØ Manhole	99.29	SE INV.: 95.69 - 825mmØ SW INV.: 96.75 - 375mmØ NE INV.: 95.82 - 900mmØ	701.012 / 1003.010 DROP STRUCTURE TEE	S25 / S24.1
STMH-6	2,400mmØ Manhole	98.84	SW INV.: 95.34 - 900mmØ NW INV.: 95.28 - 900mmØ	701.013	S25 / S24.1

MANHOLE NO.	DESCRIPTION	T/GRATE ELEVATION	INVERT ELEVATION / PIPE DIAMETER	OPSD No.	FRAME (CITY OF OTTAWA)
SAMH-1	1,200mmØ Manhole	98.86	SW INV.: 96.20 - 200mmØ NW INV.: 94.47 - 200mmØ	701.010 / 1003.010 DROP STRUCTURE TEE	S25 / S24

LOCATION	OVER / UNDER	T/G	OVERT	INVERT	CLEARANCE (m)
▲	NEW WATERMAIN - EXISTING SANITARY SEWER	99.34	96.06 (SAN)	97.27 (WM)	1.21
▲	NEW WATERMAIN - EXISTING STORM SEWER	99.31	97.28 (STM)	97.68 (WM)	0.40
▲	NEW STORM SEWER - NEW WATERMAIN	99.05	96.60 (WM)	97.54 (STM)	0.94
▲	NEW STORM SEWER - NEW WATERMAIN	99.10	96.49 (WM)	96.99 (STM)	0.50
▲	NEW WATERMAIN - NEW STORM SEWER	99.35	96.99 (STM)	97.39 (WM)	0.40
▲	NEW WATERMAIN - NEW STORM SEWER	99.45	96.92 (STM)	97.32 (WM)	0.40
▲	NEW WATERMAIN - NEW STORM SEWER	99.50	96.94 (STM)	97.34 (WM)	0.40
▲	NEW STORM SEWER - NEW WATERMAIN	99.02	96.37 (WM)	96.87 (STM)	0.50
▲	NEW WATERMAIN - NEW STORM SEWER	98.96	96.38 (STM)	96.83 (WM)	0.45
▲	NEW WATERMAIN - NEW SANITARY SEWER	98.92	96.43 (SAN)	96.83 (WM)	0.40

ID	DESCRIPTION	FINISHED GRADE (m)	T/O WATERMAIN (m)
1	BUILDING CONNECTION	99.65	97.25
2	EXISTING WATERMAIN STUB CONNECTION	98.15	95.75
3	45° HORIZONTAL BEND	99.25	96.50
4	45° HORIZONTAL BEND	99.53	96.70
5	45° HORIZONTAL BEND	99.48	96.70
6	45° HORIZONTAL BEND	99.45	96.70
7	45° HORIZONTAL BEND	99.35	96.60
8	45° HORIZONTAL BEND	99.40	96.60
9	11.25° HORIZONTAL BEND	99.45	96.60
10	SERVICE TEE 200mmX203mm	99.30	96.90
11	CONNECTION TEE 200mmX150mm	99.54	96.70

NOTE: PROVIDE MINIMUM 2.4m COVER OVER T/O WATERMAIN TO FINISHED GRADE, OTHERWISE PROVIDE THERMAL INSULATION HL40 AS PER DETAIL AC1.



12 INTERNATIONAL DR. PEMBROKE, ON, N6A 6W5  
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PEMBROKE@JP2G.COM

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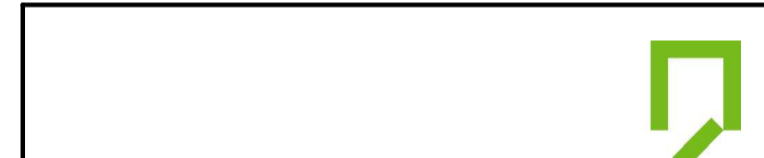
16 EDWARD ST. S., #211  
ANNAPURIS, ON, K7S 3W3  
T: 613-462-9700  
ANNAPURIS@JP2G.COM

Jp2g PROJECT No.: 24-5050A



**NOT FOR CONSTRUCTION**

No.	DESCRIPTION	YYYY-MM-DD
6	ISSUED FOR SITE PLAN CONTROL R2	2026-01-27
5	ISSUED FOR 80% DESIGN DEVELOPMENT	2026-01-08
4	ISSUED FOR SITE PLAN CONTROL R1	2025-12-02
3	ISSUED FOR 66% DESIGN DEVELOPMENT	2025-11-14
2	ISSUED FOR SITE PLAN CONTROL	2025-10-23
1	ISSUED FOR PHASE 2 PRE-CONSULTATION APPLICATION	2025-09-05



**N45 ARCHITECTURE INC.**  
71 Bank Street, 7th Floor - Ottawa, Ontario K1P 5N2  
tel. 613.224.0095 fax 613.224.9811

project

**Fernbank Catholic High School**

5431 Fernbank Road, Ottawa, ON K2S 0T7

seal  
LICENSED PROFESSIONAL ENGINEER  
Z. E. BAUMAN  
1005/8796  
January 27, 2026  
PROVINCE OF ONTARIO

seal  
LICENSED PROFESSIONAL ENGINEER  
A. SAMMOUR  
100227665  
January 27, 2026  
PROVINCE OF ONTARIO

drawing title  
**Details, Notes and Schedules**

scale  
As Shown  
date  
June 2025  
project number  
**24-835**

drawn by  
R. Ismail  
checked by  
Z. Bauman / A. Sammour  
drawing number  
**C3**

revision

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

**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 SWALES TO EXISTING GPS 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 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 SEEDED 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.

**LEGEND**

- PROPERTY LINE
- NEW BUILDING
- DEPRESSED CURB
- BREAK OF SLOPE - NEW
- NEW DITCH
- 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 SIDEWALK
- NEW GRASS
- MILLING & OVERLAY 50mm THICK HEAVY DUTY ASPHALT AS PER DETAIL 3 / C3
- NEW PRECAST PAVERS
- NEW EWF / MULCH
- NEW CLEAR STONE SUBDRAIN TRENCH
- NEW RUBBERIZED ASPHALT TRACK
- NEW STONE DUST PATH
- EXISTING SIDEWALK
- EXISTING CONCRETE CURB
- NEW CONCRETE CURB
- PROPOSED TWISI
- PONDING LIMIT
- MUD MAT

**LEGEND CONTINUED**

- EXISTING CATCHBASIN
- EXISTING DITCH INLET
- EXISTING STORM MANHOLE
- EXISTING SANITARY MANHOLE
- EXISTING STORM /SANITARY MANHOLE TO BE ADJUSTED
- NEW CATCHBASIN
- NEW STORM MANHOLE / CATCHBASIN MANHOLE
- NEW REAR YARD CATCH BASIN
- NEW INLET CONTROL DEVICE
- NEW ROOF DRAIN
- NEW SCUPPER AT 150mm ABOVE ROOF DRAIN LEVEL
- BUILDING ENTRANCE
- NEW SIAMSE CONNECTION
- OVERLAND FLOW ROUTE

**ICD SCHEDULE**

ICD	LOCATION	PIPE SIZE (mm)	ICD SIZE (mm)	100 YEAR HEAD (m)	100 YEAR FLOW RATE (lps)
ICD-1	STMH-1	375	167	2.01	83.9
ICD-2	CBMH-4	375	174	1.97	90.4
ICD-3	CB-4	250	115	2.08	40.1
ICD-4	CBMH-5	375	102	1.89	30.2
ICD-5	CB-6	250	160	2.28	82.4

*AtHamlin*

**APPROVED**  
By Allison Hamlin at 9:36 am, Mar 11, 2026

**ALLISON HAMLIN**  
MANAGER, DEVELOPMENT REVIEW ALL WARDS  
PLANNING, DEVELOPMENT & BUILDING SERVICES  
DEPARTMENT, CITY OF OTTAWA



**Jp2g Consultants Inc.**  
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ARRANBORO@JP2G.COM

JP2g PROJECT No: 24-5050A



**NOT FOR CONSTRUCTION**

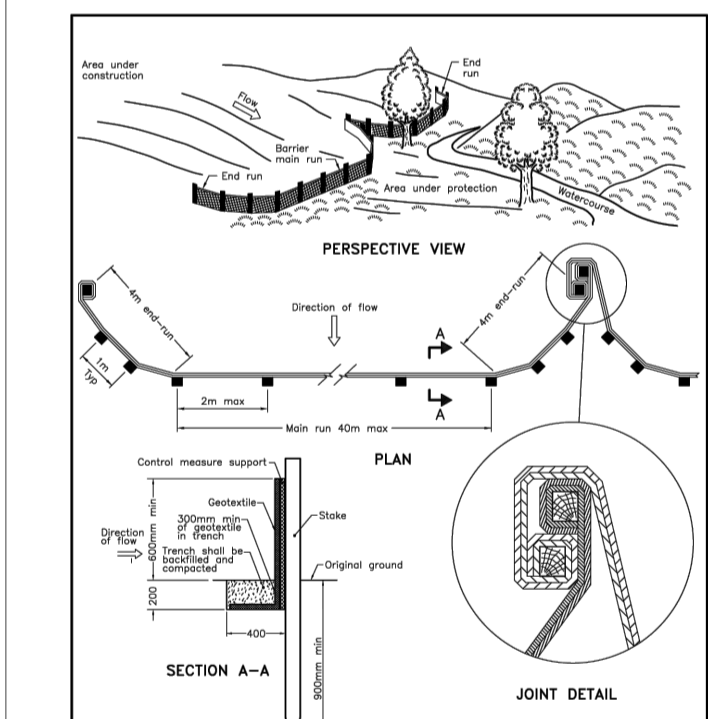
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1	ISSUED FOR PHASE 2 PRE-CONSULTATION APPLICATION	2025-09-05

**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 4.C3.
- PROPOSE MUD MAT DURING CONSTRUCTION.

**EROSION AND SEDIMENT CONTROL NOTES**

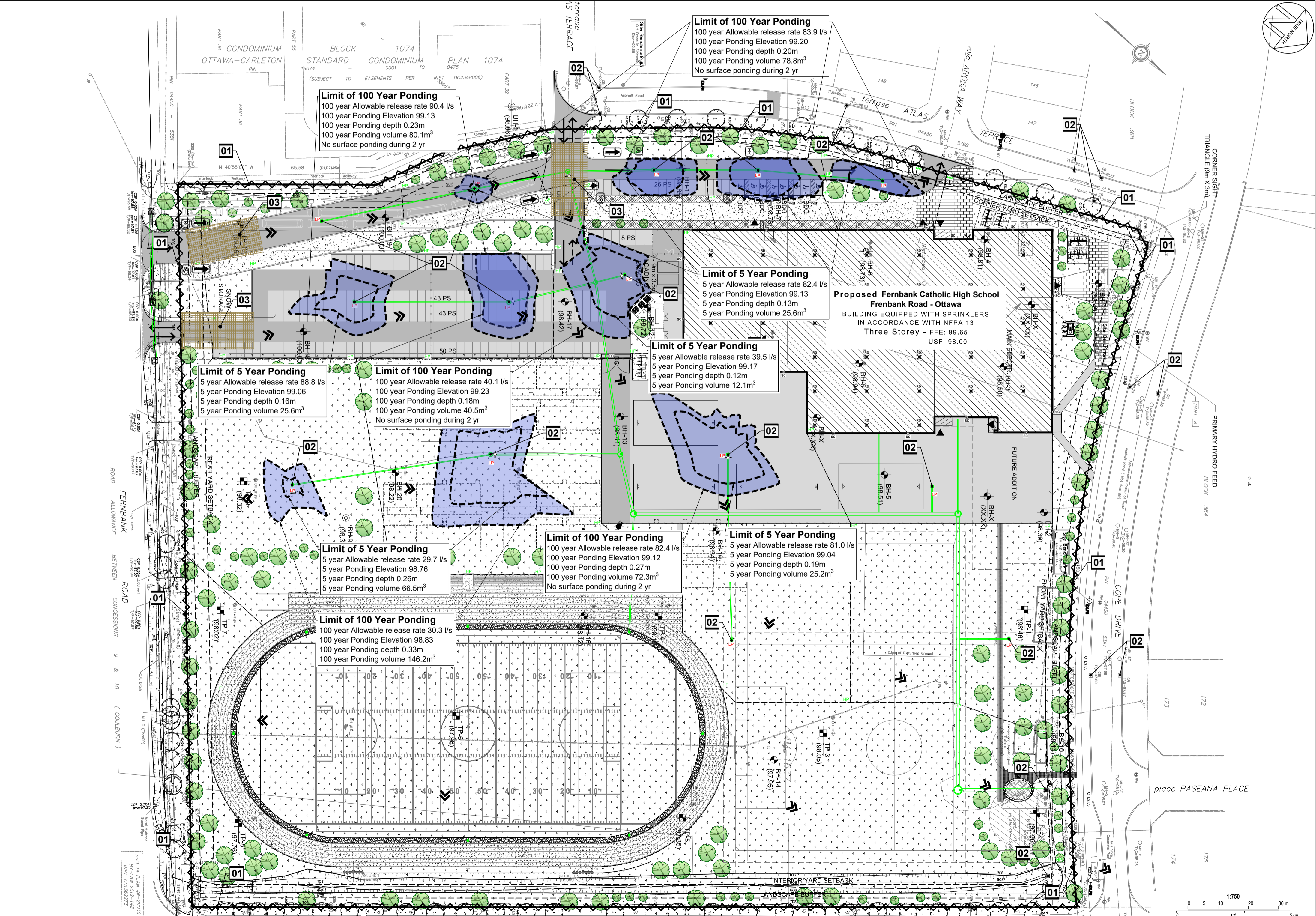
- THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES TO PROVIDE FOR PROTECTION OF THE AREA DRAINAGE SYSTEM AND THE RECEIVING WATER COURSE, DURING CONSTRUCTION ACTIVITIES. THIS INCLUDES LIMITING THE AMOUNT OF EXPOSED SOIL, INSTALLING SILT FENCES AND OTHER EFFECTIVE SEDIMENT TRAPS, AND INSTALLING 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 STOCKPIILING 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 SUMPS. ALL CATCHBASINS TO HAVE 600mm SUMPS.
- 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.



NOTE:  
All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING  
HEAVY-DUTY SILT FENCE BARRIER  
OPSD 219.130

**1 Heavy Duty Silt Fence Barrier**  
Scale: Not to scale



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project  
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Z. E. BAUMAN  
1005/8796  
January 27, 2026  
PROVINCE OF ONTARIO

seal  
LICENSED PROFESSIONAL ENGINEER  
A. SAMMOUR  
100227665  
January 27, 2026  
PROVINCE OF ONTARIO

drawing title  
**Storm Water Management and Erosion Sediment Control Plan**

scale  
As Shown

date  
Sept.2025

project number  
24-835

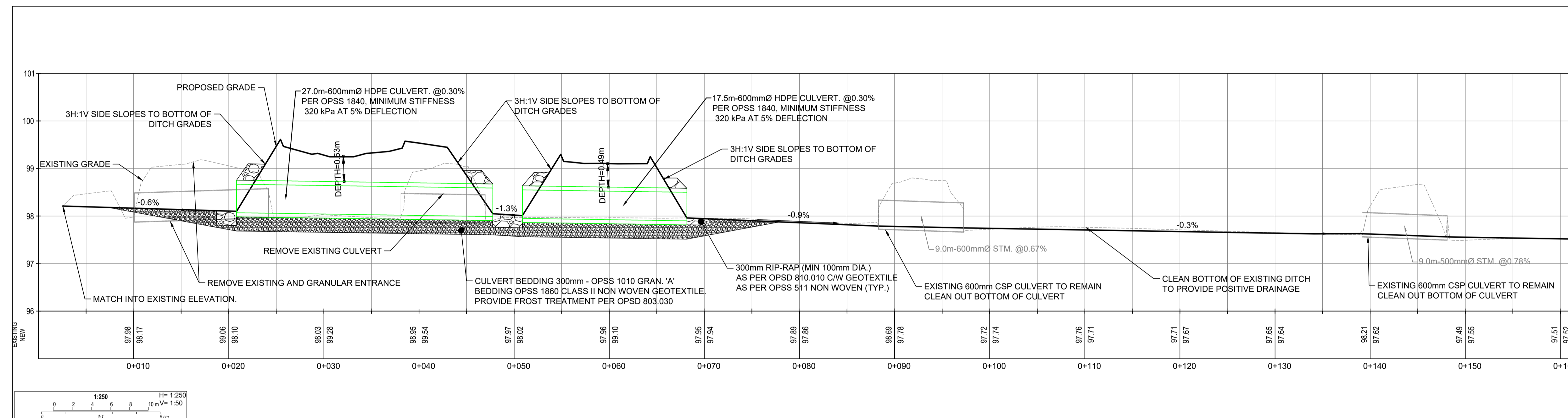
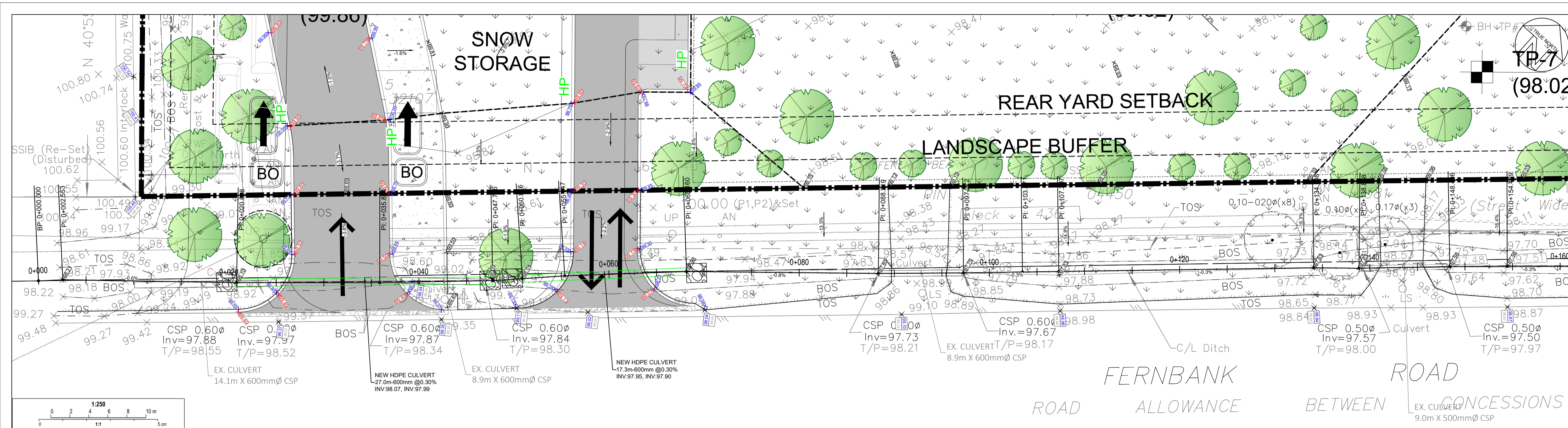
drawn by  
R.Ismail

checked by  
Z.Bauman / A.Sammour

drawing number  
**C4**

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

revision



**APPROVED**  
By Allison Hamlin at 9:36 am, Mar 11, 2026

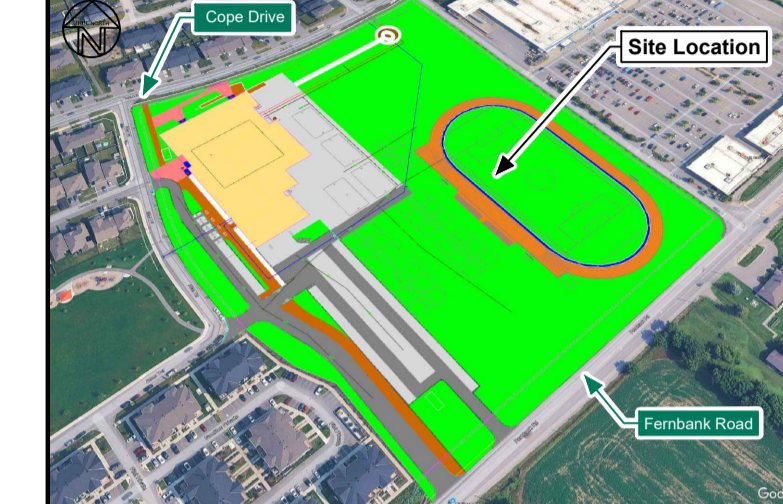
*A Hamlin*  
**ALLISON HAMLIN**  
MANAGER, DEVELOPMENT REVIEW ALL WARDS  
PLANNING, DEVELOPMENT & BUILDING SERVICES  
DEPARTMENT, CITY OF OTTAWA



**Jp2g Consultants Inc.**  
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16 EDWARD ST. S., #211 ABRAPRICK, ON, K7S 3W3

Jp2g PROJECT No.: 24-5050A



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project  
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A. SAMMOUR  
100227665  
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drawing title  
**Fernbank Ditch Sta 0+000 to 0+160**

scale As Shown	drawn by R. Ismail
date Sept. 2025	checked by Z. Bauman / A. Sammour
project number 24-835	drawing number <b>C5</b>
CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS.	
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Jp2g PROJECT No.: 24-5050A



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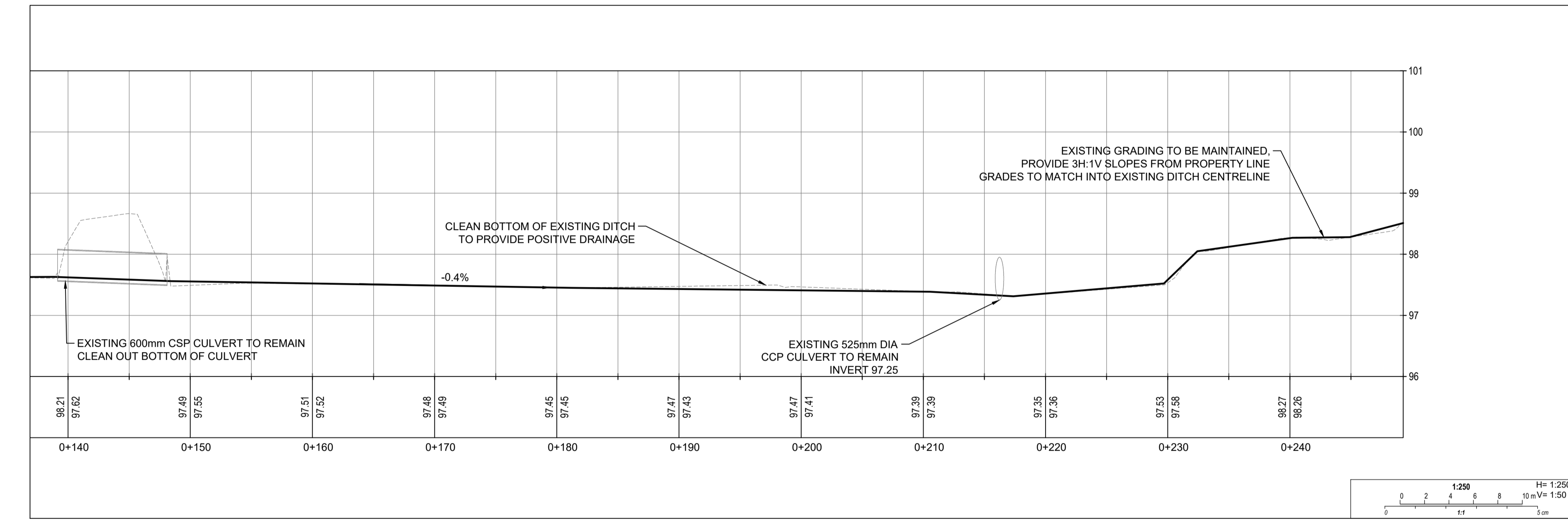
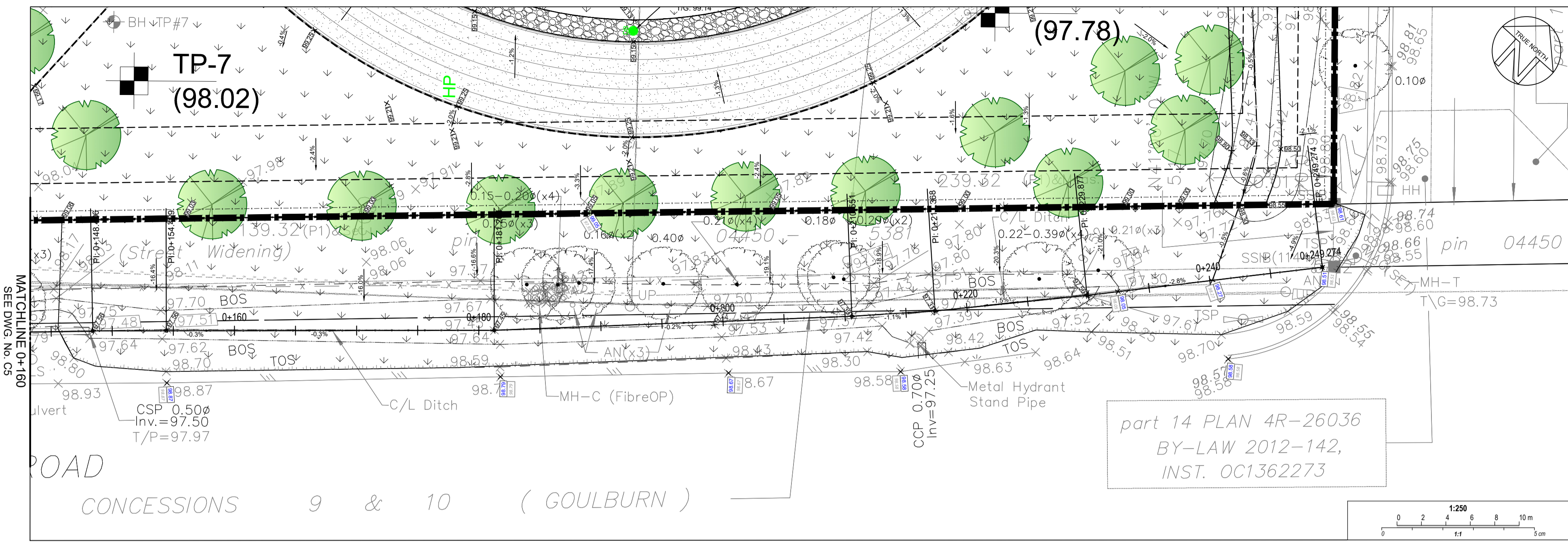
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project  
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5431 Fernbank Road, Ottawa, ON K2S 0T7

LICENSED PROFESSIONAL ENGINEER  
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1005/8796  
January 27, 2026  
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January 27, 2026  
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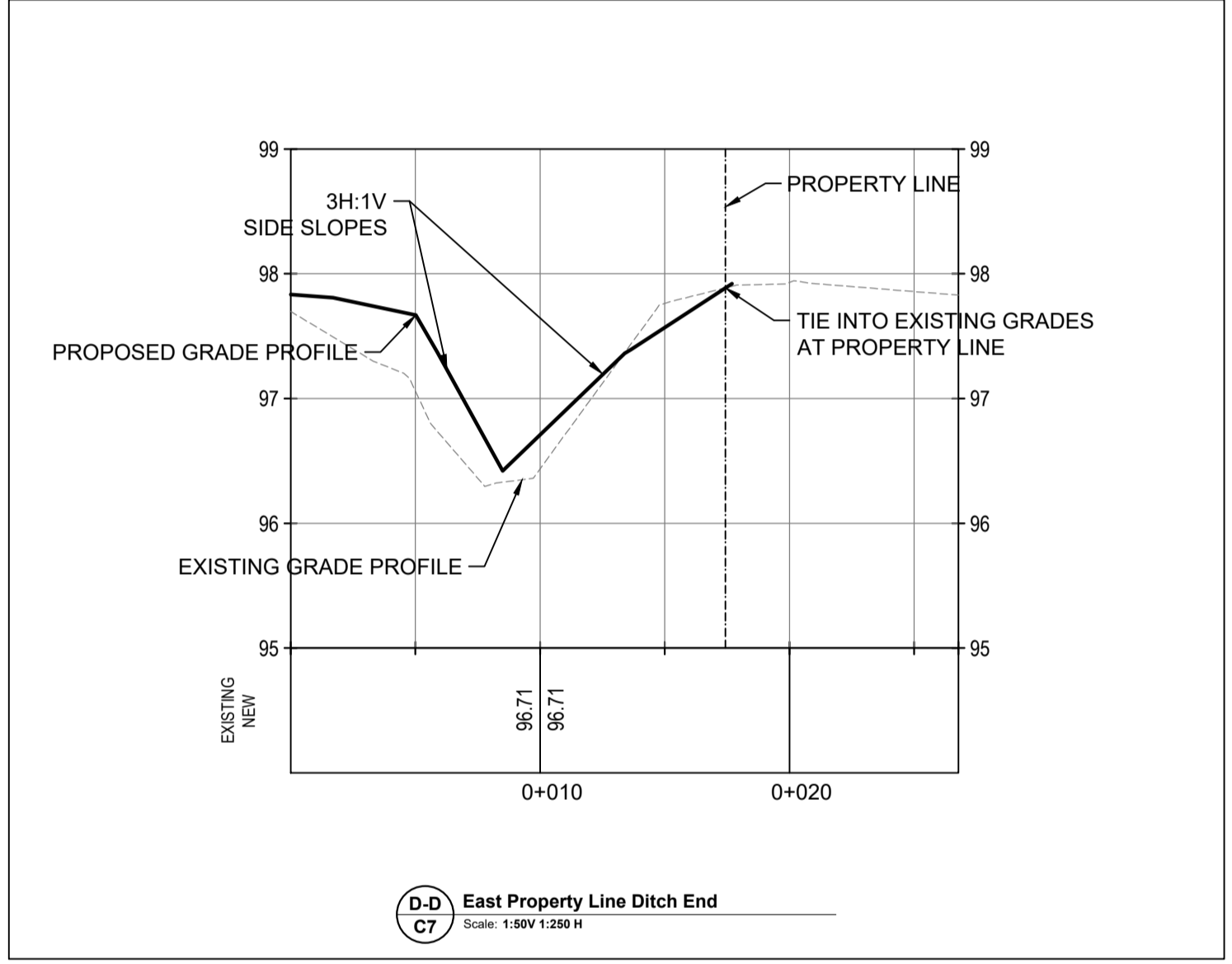
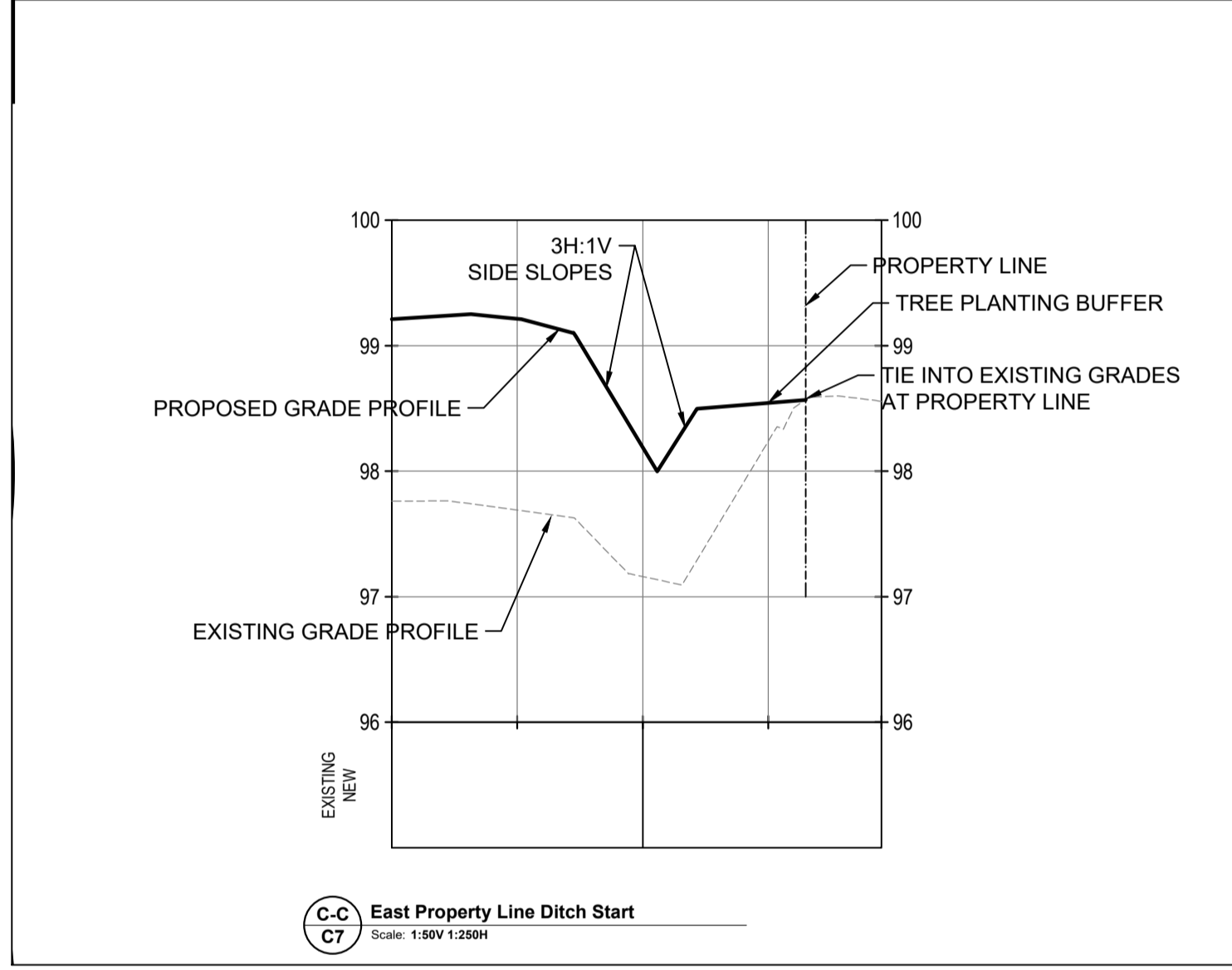
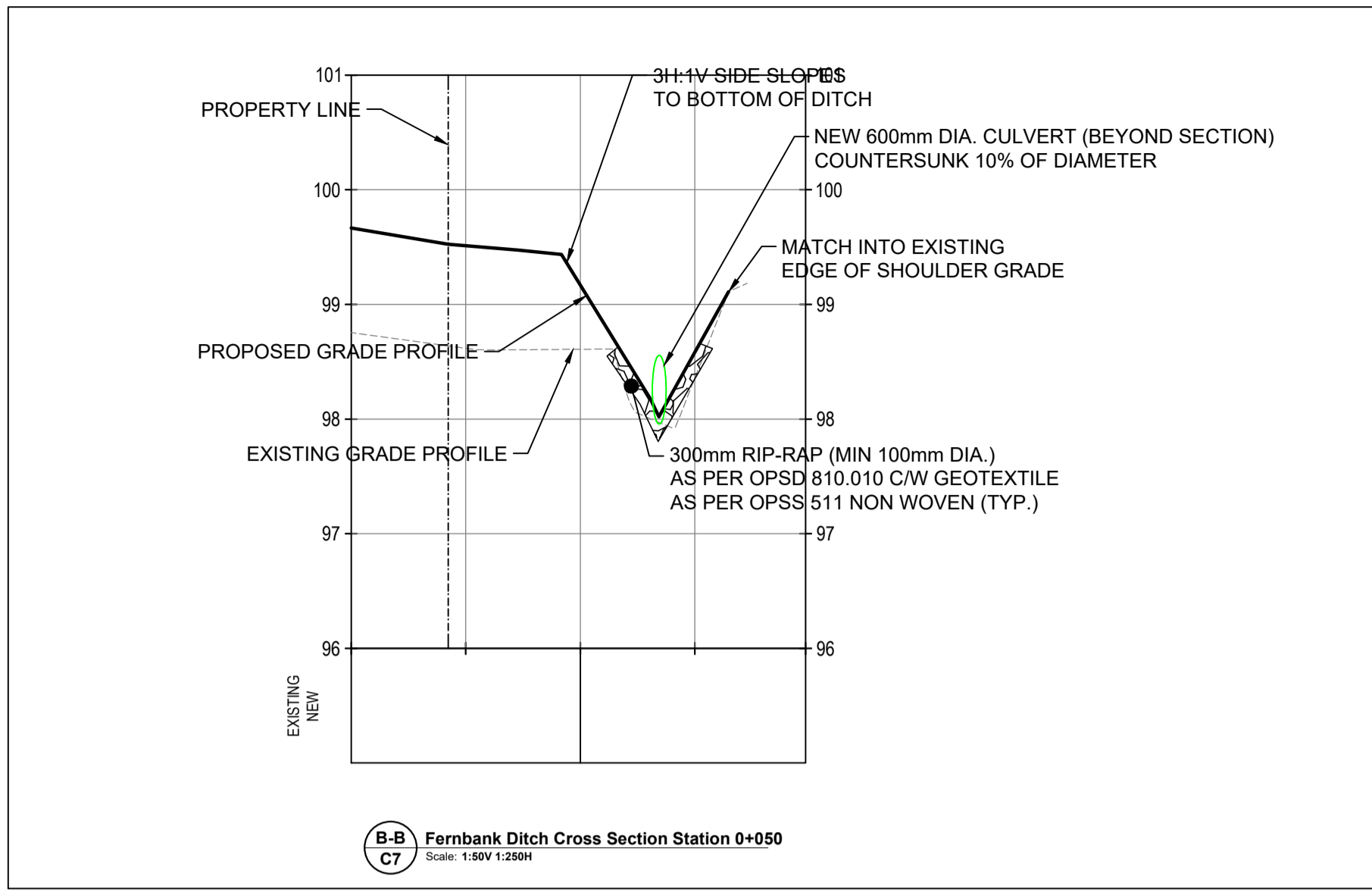
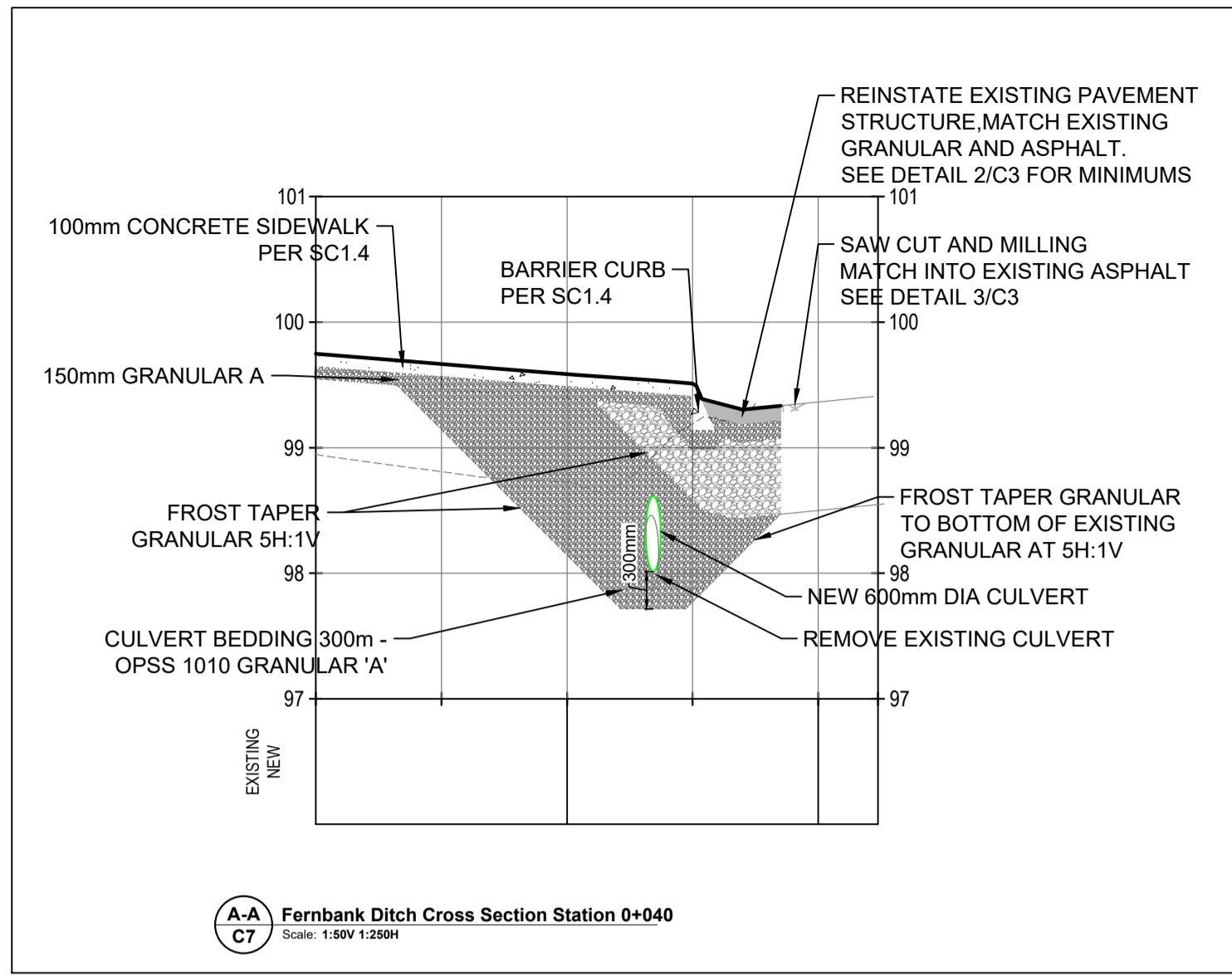
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scale As Shown	drawn by R. Ismail
date Sept. 2025	checked by Z. Bauman / A. Sammour
project number <b>24-835</b>	drawing number <b>C6</b>
CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS.	
revision	



**APPROVED**  
By Allison Hamlin at 9:35 am, Mar 11, 2026

*Allison Hamlin*

**ALLISON HAMLIN**  
MANAGER, DEVELOPMENT REVIEW ALL WARDS  
PLANNING, DEVELOPMENT & BUILDING SERVICES  
DEPARTMENT, CITY OF OTTAWA



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Jp2g PROJECT No.: 24-5050A

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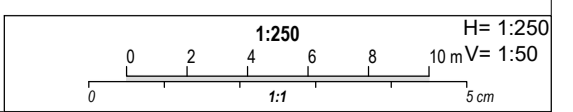
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project  
**Fernbank Catholic High School**  
5431 Fernbank Road, Ottawa, ON K2S 0T7

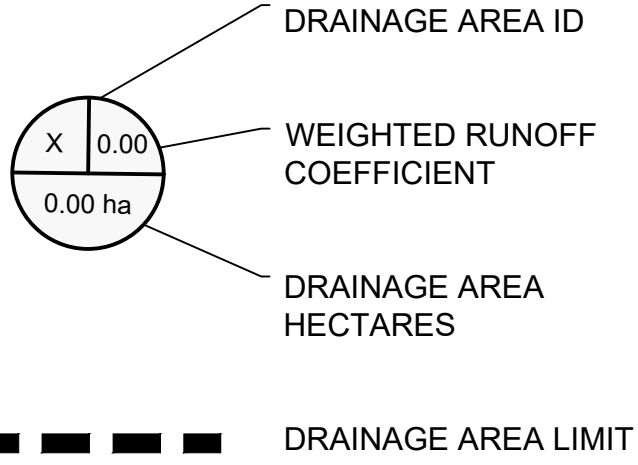
Professional Engineer seals for Z. E. Bauman (1005/8796, January 27, 2026) and A. Sammour (100227665, January 27, 2026).

drawing title <b>Sections</b>	
scale As Shown	drawn by R. Ismail
date Sept. 2025	checked by Z. Bauman / A. Sammour
project number <b>24-835</b>	drawing number <b>C7</b>
CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS.	
revision	



DWG NAME: J:\5-CIVIL\2024\24-5050A - N45 - NEW FERNBANK CATHOLIC HIGH SCHOOL\05 DRAWINGS\1 ONGOING\24-5050A NEW FERNBANK SCHOOL\_ISSUED FOR SPC R2 JAN 27 2026.DWG LAYOUT: FIG.1 PRE\_DEVELOPMENT\_AREA SAVED ON 2026-01-27

**LEGEND**

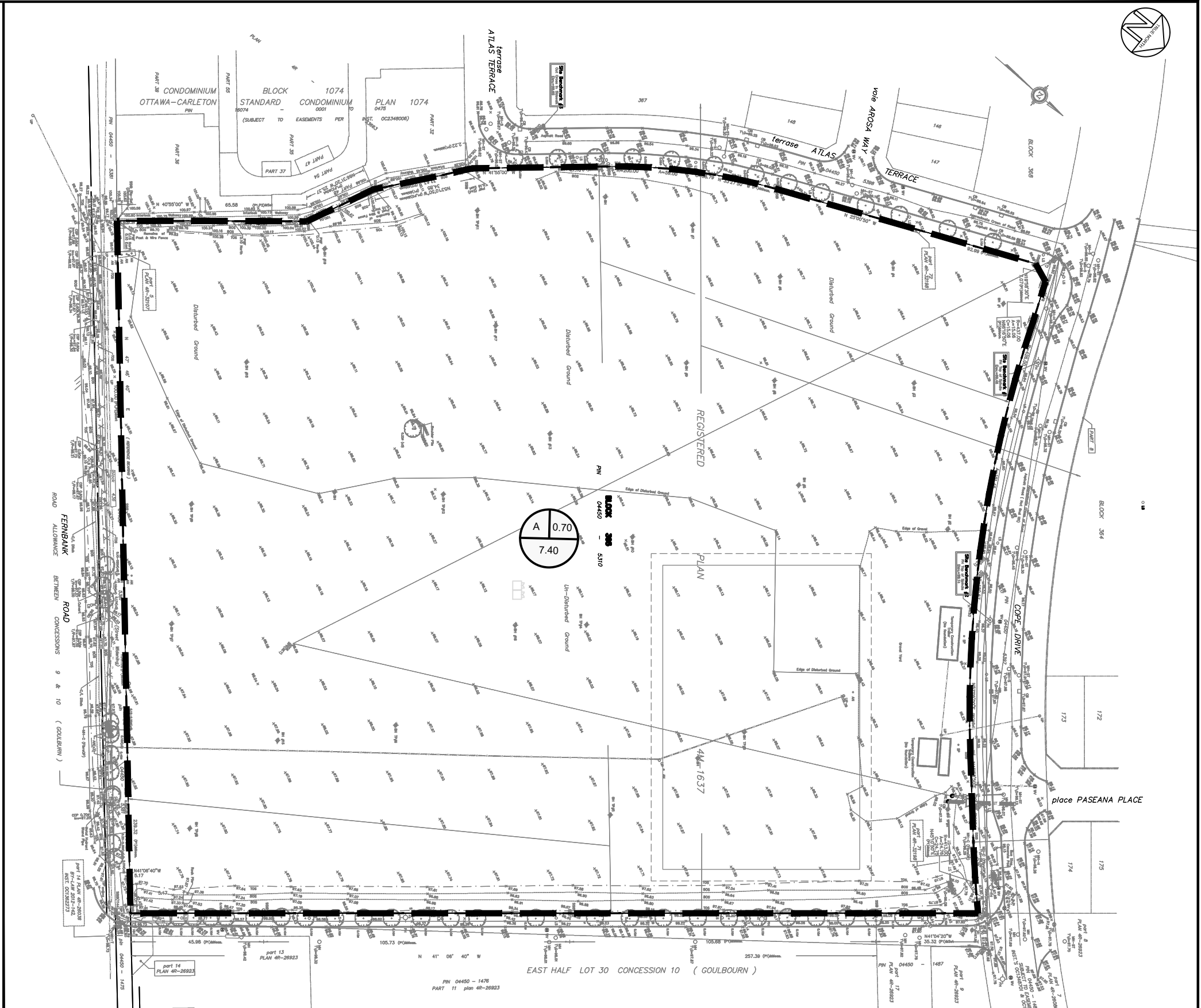


\* ALLOWABLE RELEASE RATE = 1499.0 l/s .  
REFER TO PRE-CONSULTING MEETING NOTES : PC2025-0021 .

*Allison Hamlin*

**ALLISON HAMLIN  
MANAGER , DEVELOPMENT REVIEW ALL WARDS  
PLANNING, DEVELOPMENT & BUILDING SERVICES  
DEPARTMENT, CITY OF OTTAWA**

**APPROVED**  
By Allison Hamlin at 9:35 am, Mar 11, 2026



4	2026-01-27	R.I / Z.B	ISSUED FOR SITE PLAN CONTROL R2
3	2025-12-02	R.I / Z.B.	ISSUED FOR SITE PLAN CONTROL R1
2	2025-10-23	R.I / Z.B.	ISSUED FOR SITE PLAN CONTROL
1	2025-09-05	R.I / Z.B.	ISSUED FOR PHASE 2 PRE-CONSULTATION APPLICATION
No.	YYYY-MM-DD	BY	DESCRIPTION



Jp2g PROJECT No.: 24-5050A

PROJECT  
**FERNBANK CATHOLIC HIGH SCHOOL**  
5431 FERNBANK ROAD, OTTAWA, ON K2S 0T7

DRAWING  
**FIGURE-1  
PRE-DEVELOPMENT DRAINAGE AREAS**

CLIENT No.:

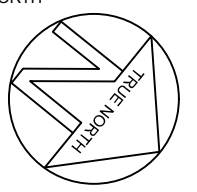
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DESIGNED: R.ISMAIL / Z.BAUMAN

REVIEWED: Z.BAUMAN

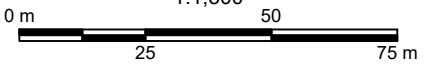
APPROVED: A.SAMMOUR

NORTH



SCALE

1:1,500



SHEET#

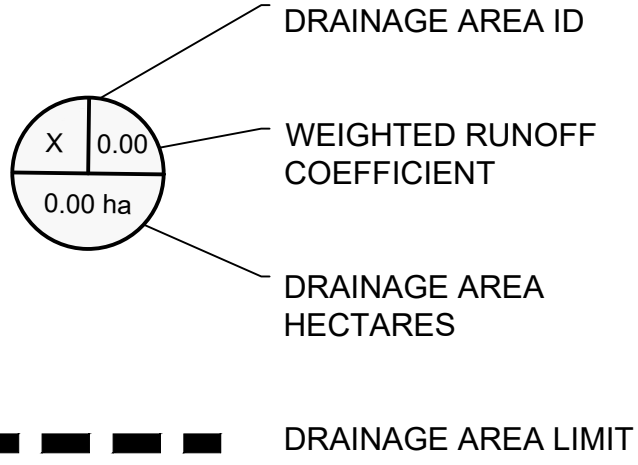
**FIG.1**

PLAN #19410

D07-12-25-0141

DWG NAME: J:\5-CIVIL\2024\24-5050A - N45 - NEW FERNBANK CATHOLIC HIGH SCHOOL\05 DRAWINGS\1 ONGOING\24-5050A NEW FERNBANK SCHOOL\_ISSUED FOR SPC R2 JAN 27 2026.DWG LAYOUT: FIG.1A\_PRE-DEVELOPMENT\_AREA SAVED ON 2026-01-27

**LEGEND**

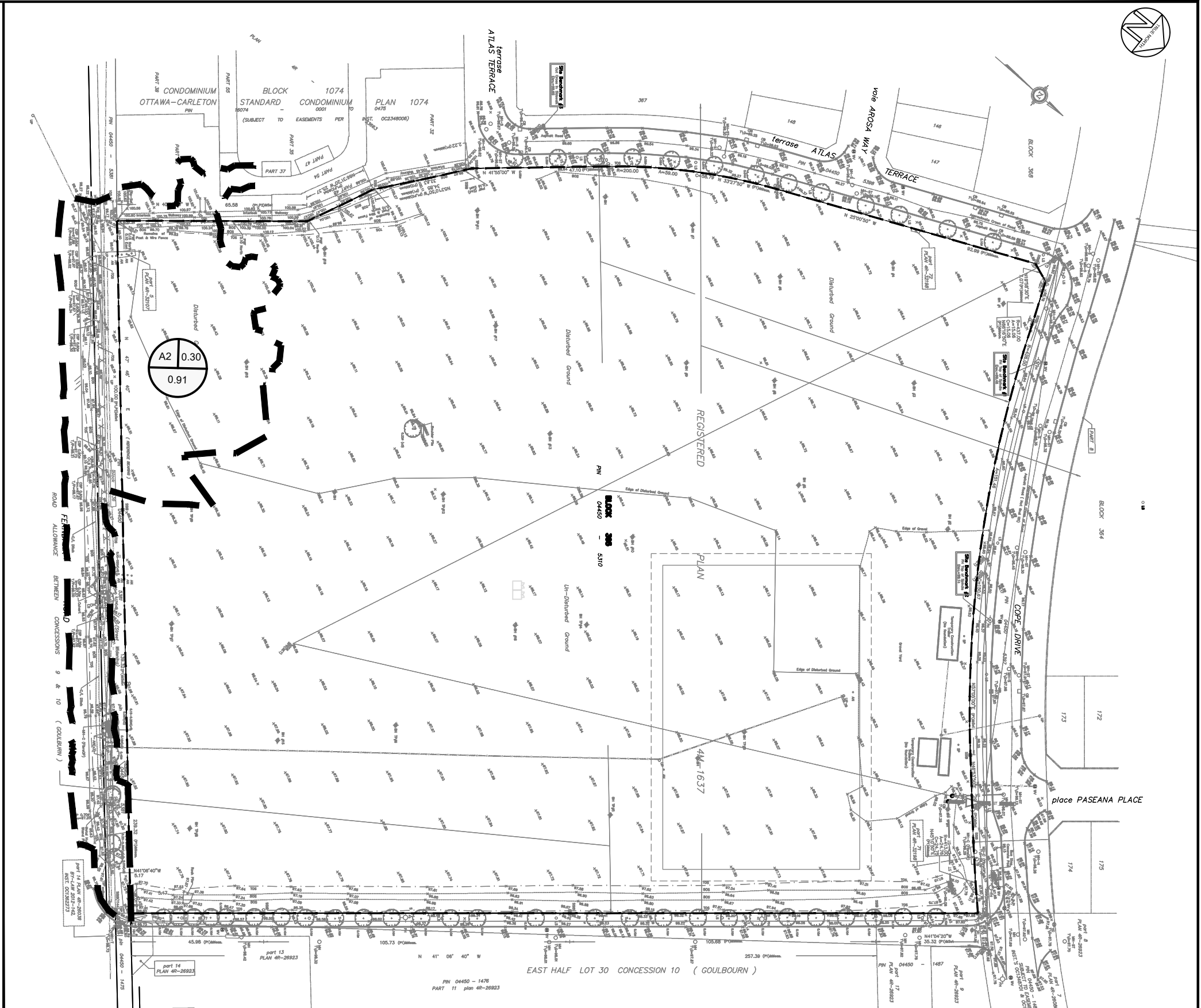


*Allison Hamlin*

---

**ALLISON HAMLIN**  
**MANAGER , DEVELOPMENT REVIEW ALL WARDS**  
**PLANNING, DEVELOPMENT & BUILDING SERVICES**  
**DEPARTMENT, CITY OF OTTAWA**

**APPROVED**  
*By Allison Hamlin at 9:35 am, Mar 11, 2026*



No.	YYYY-MM-DD	BY	DESCRIPTION
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3	2025-12-02	R.I / Z.B.	ISSUED FOR SITE PLAN CONTROL R1
2	2025-10-23	R.I / Z.B.	ISSUED FOR SITE PLAN CONTROL
1	2025-09-05	R.I / Z.B.	ISSUED FOR PHASE 2 PRE-CONSULTATION APPLICATION



Jp2g PROJECT No.: 24-5050A

PROJECT  
**FERNBANK CATHOLIC HIGH SCHOOL**  
 5431 FERNBANK ROAD, OTTAWA, ON K2S 0T7

DRAWING  
**FIGURE-1 PRE-DEVELOPMENT CONTRIBUTION AREA TO FERNBANK DITCH**

CLIENT No.:

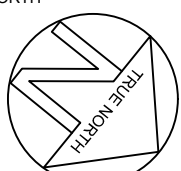
DRAFTED: R.ISMAIL

DESIGNED: R.ISMAIL / Z.BAUMAN

REVIEWED: Z.BAUMAN

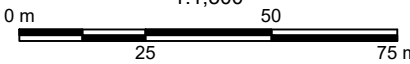
APPROVED: A.SAMMOUR

NORTH



SCALE

1:1,500



SHEET#

**FIG.1A**

PLAN #19410

D07-12-25-0141

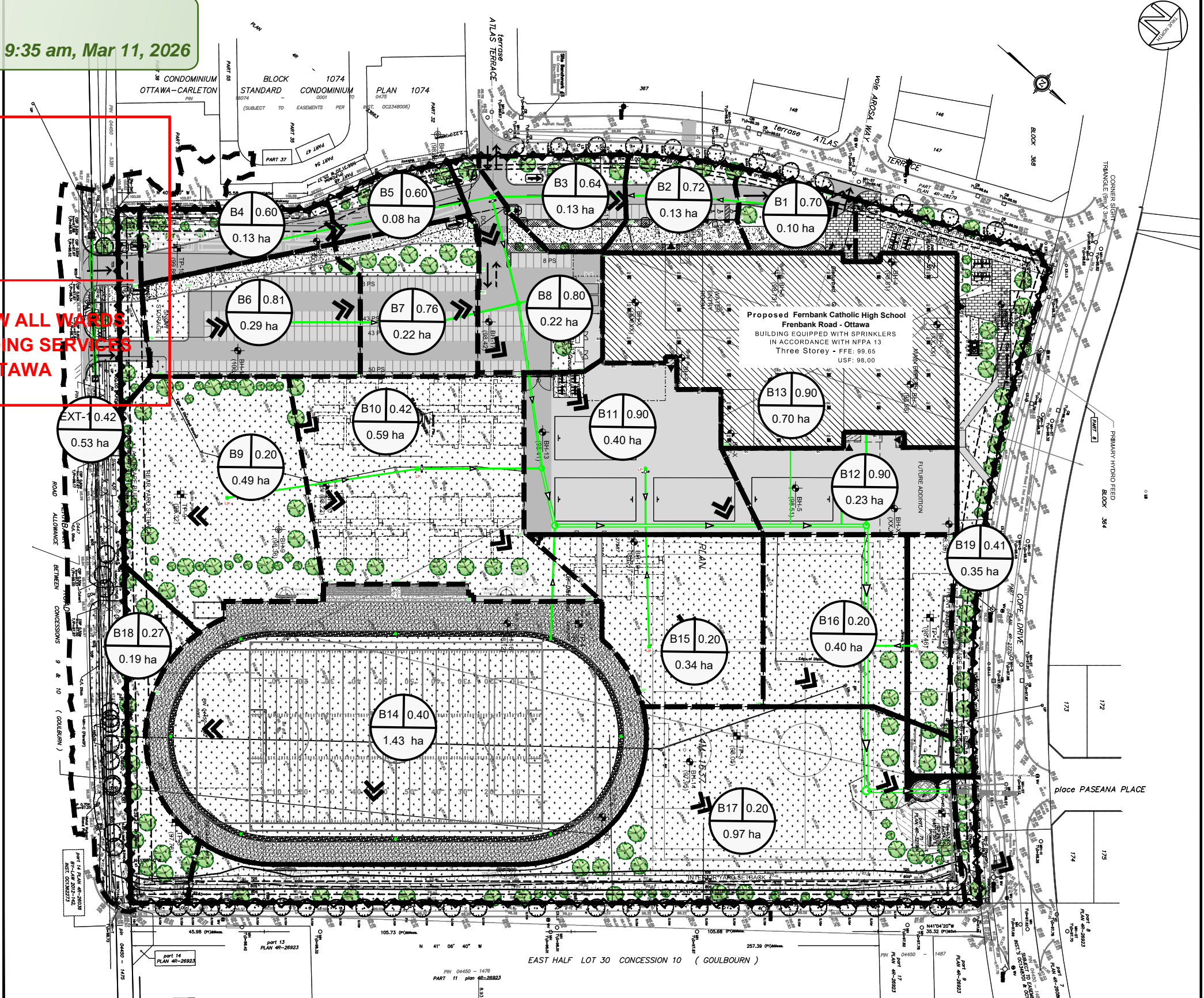
DWG NAME: J:\5-CIVIL\2024\24-5050A - N45 - NEW FERNBANK CATHOLIC HIGH SCHOOL\05 DRAWINGS\1 ONGOING\24-5050A NEW FERNBANK SCHOOL\_ISSUED FOR SPC R2.JAN 27 2026.DWG LAYOUT: FIG.2\_POST-DEVELOPMENT\_AREA.SAVED ON 2026-01-27

**LEGEND**

- DRAINAGE AREA ID
- WEIGHTED RUNOFF COEFFICIENT
- DRAINAGE AREA HECTARES
- DRAINAGE AREA PLAN
- OVERLAND FLOW ROUTE
- NEW BUILDING
- NEW LIGHT DUTY ASPHALT
- NEW HEAVY DUTY ASPHALT
- NEW CONCRETE SIDEWALK
- NEW PRECAST PAVERS
- NEW EWF / MULCH
- NEW CLEAR STONE SUBDRAIN TRENCH
- NEW RUBBERIZED ASPHALT TRACK
- NEW STONE DUST PATH
- NEW GRASS
- NEW ROOF DRAIN

**APPROVED**  
By Allison Hamlin at 9:35 am, Mar 11, 2026

ALLISON HAMLIN  
MANAGER, DEVELOPMENT REVIEW ALL WARDS  
PLANNING, DEVELOPMENT & BUILDING SERVICES  
DEPARTMENT, CITY OF OTTAWA



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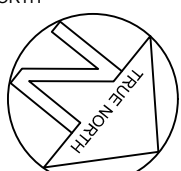
Jp2g PROJECT No.: 24-5050A

PROJECT  
**FERNBANK CATHOLIC HIGH SCHOOL**  
5431 FERNBANK ROAD OTTAWA, ON K2S 0T7

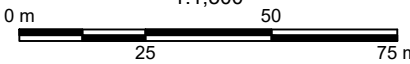
DRAWING  
**FIGURE-2  
POST-DEVELOPMENT DRAINAGE AREAS**

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

NORTH



SCALE  
1:1,500





SHEET#  
**FIG.2**

PLAN #19410

D07-12-25-0141

DWG NAME: J:\5-CIVIL\2024\24-5050A - N45 - NEW FERNBANK CATHOLIC HIGH SCHOOL\05 DRAWINGS\1 ONGOING\24-5050A NEW FERNBANK SCHOOL\_ISSUED FOR SPC R2.JAN 27 2026.DWG LAYOUT: FIG.3\_HYDRANT COVERED ON 2026-01-27

**LEGEND**

-  EXISTING FIRE HYDRANT
-  EXISTING WATER VALVE
-  EXISTING WATER VALVE
-  NEW FIRE HYDRANT
-  NEW WATER VALVE
-  NEW WATERMAIN
-  NEW SIAMESE CONNECTION
-  NEW WATER CHAMBER

*Allison Hamlin*

**ALLISON HAMLIN**  
**MANAGER, DEVELOPMENT REVIEW ALL WARDS**  
**PLANNING, DEVELOPMENT & BUILDING SERVICES**  
**DEPARTMENT, CITY OF OTTAWA**

45m RADIUS - FIRE HYDRANT COVERAGE

**APPROVED**  
 By Allison Hamlin at 9:35 am, Mar 11, 2026



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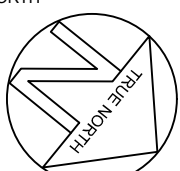
Jp2g PROJECT No.: 24-5050A

PROJECT  
**FERNBANK CATHOLIC HIGH SCHOOL**  
 5431 FERNBANK ROAD OTTAWA, ON K2S 0T7

DRAWING  
**FIGURE-3**  
**FIRE HYDRANT COVERAGE AREAS**

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

NORTH



SCALE  
 1:1,500  
 0 m 25 50 75 m

SHEET#  
**FIG.3**

PLAN #19410

D07-12-25-0141