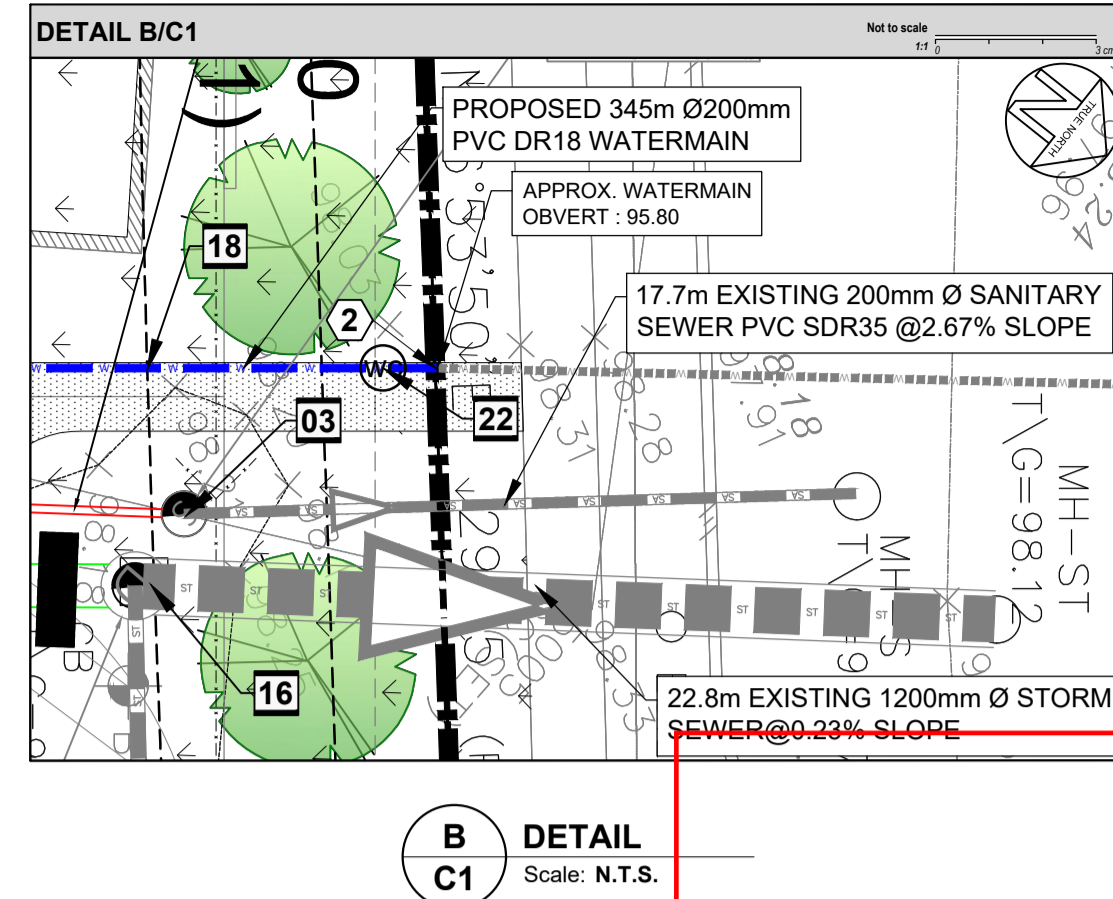
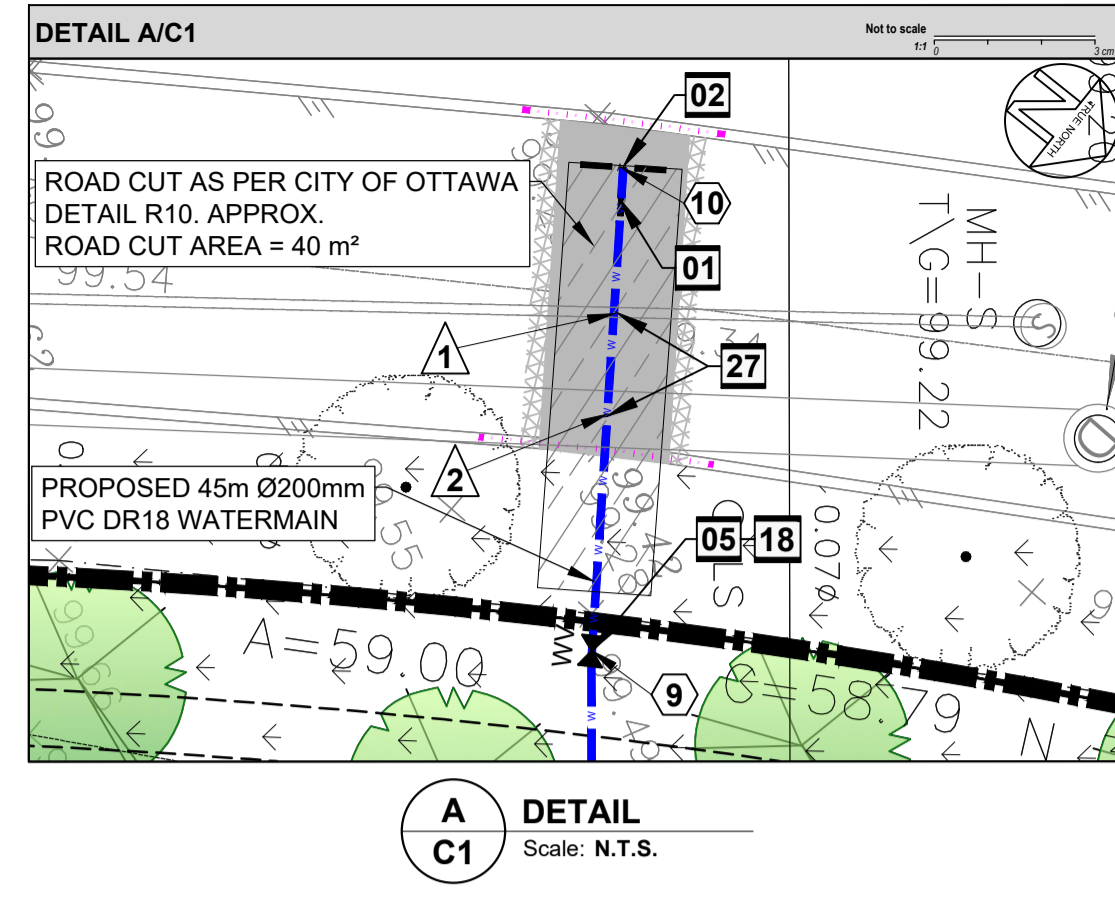


LEGEND	
	PROPERTY LINE
	NEW BUILDING
	DEPRESSED CURB
	BREAK OF SLOPE - NEW
	EXISTING SANITARY SEWER
	EXISTING STORM SEWER
	EXISTING WATERMAIN
	NEW SANITARY SEWER
	NEW STORM SEWER
	NEW WATERMAIN
	NEW PERFORATED DRAIN PIPE
	NEW PERIMETER FOUNDATION DRAINAGE
	NEW DITCH
	EXISTING STORM CULVERT
	NEW STORM 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 TWS1
	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
MANAGER, DEVELOPMENT REVIEW ALL WARDS
PLANNING, DEVELOPMENT & BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

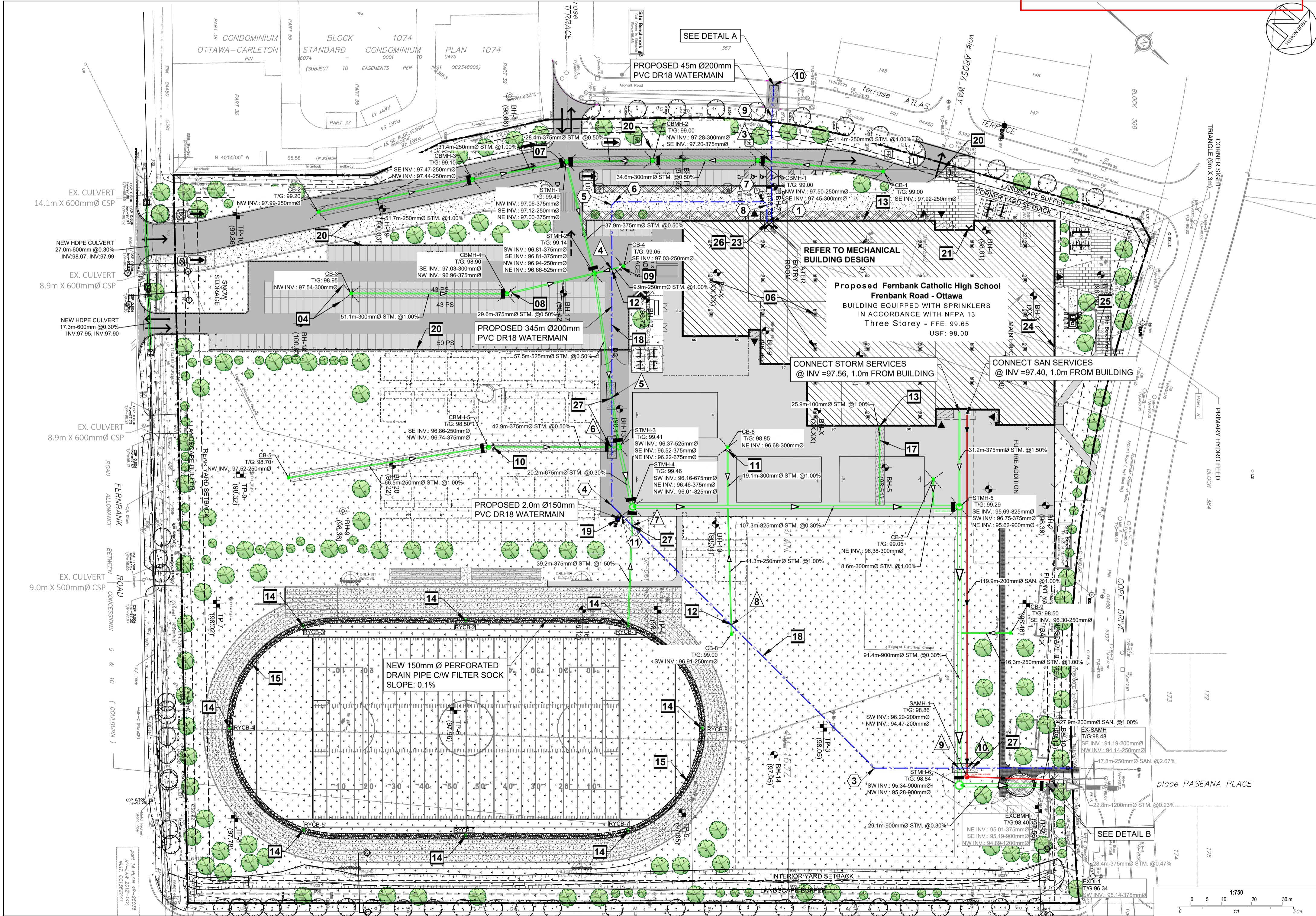


Jp2g Consultants Inc.
ENGINEERS · PLANNERS · PROJECT MANAGERS
12 INTERNATIONAL DR. PEMBROKE, ON, N6A 6W5
1150 MORRISON DR., #410 OTTAWA, ON, K2H 6S9
16 EDWARD ST. S., #211 AARPMARK, ON, K7S 3W4
T: 613-735-2007 P: 613-852-7600 F: 613-852-0790
OTTAWA@JP2G.COM AARPMARK@JP2G.COM
Jp2g PROJECT No: 24-5050A



NOT FOR CONSTRUCTION

- | DRAWING NOTES | |
|---------------|--|
| 01 | 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-BLOCK 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. |
| 02 | 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. |
| 03 | 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. |
| 04 | 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). |
| 05 | SUPPLY AND INSTALL NEW 200mm WATER VALVE AT PROPERTY LINE. VALVE BOX ASSEMBLY AS PER CITY OF OTTAWA STANDARD DETAIL DRAWING W24 AND W50. |
| 06 | 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. |
| 07 | SUPPLY AND INSTALL NEW INLET CONTROL DEVICE FLOW REGULATOR AT MANHOLE, STM#1 OUTLET. MAXIMUM DISCHARGE 83.9 l/s AT 2.01m HEAD AND ORIFICE DIAMETER AT 167mm. |
| 08 | 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. |
| 09 | 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. |
| 10 | 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. |
| 11 | 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. |
| 12 | CONSTRUCT WATERMAIN CROSSING BENEATH SEWER AS PER CITY OF OTTAWA DETAIL W25 WITH MINIMUM 0.5m BARREL TO BARREL SEPARATION. |
| 13 | CONNECT NEW 100mm PERIMETER FOUNDATION DRAINAGE WITH FILTER SOCK TO 100mm STORM SERVICE AT INVERT 95.00 AT USF LEVEL. |
| 14 | INSTALL NEW REAR YARD CATCH BASIN AS PER CITY OF OTTAWA DETAIL S30. |
| 15 | NEW 150mm PERFORATED SUBDRAIN WITH FILTER SOCK. SUBDRAIN TO BE CONSTRUCTED IN CLEAR STONE EXTENDING 300mm X 300mm FROM EDGE OF PIPE. |
| 16 | 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. |
| 17 | SUPPLY AND INSTALL PROLINE FITTINGS INSPECTION CHAMBER AND BACKWATER VALVE. TOP OF INSPECTION CHAMBER LID TO BE FLUSH WITH FINISHED GRADE. |
| 18 | ALL WATERMAIN SHALL BE PROVIDED WITH TRACER WIRE AS PER CITY OF OTTAWA STANDARD DETAILS AND SPECIFICATIONS. |
| 19 | NEW FIRE HYDRANT AS PER CITY OF OTTAWA W16. 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. |
| 20 | 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. |
| 21 | NEW SIAMESE CONNECTION. REFER TO MECHANICAL & ARCHITECTURAL DRAWINGS FOR EXACT LOCATION. |
| 22 | INSTALL NEW DISTRICT METER AREA (DMA) CHAMBER AND VALVE AS PER CITY OF OTTAWA STANDARD DETAIL DRAWING W3 AND W3.3. |
| 23 | 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. |
| 24 | ROOF TOP SCUPPERS TO BE PROVIDED AT 150mm ABOVE LEVEL OF ROOF DRAINS. |
| 25 | NEW TRANSFORMER AND BOLLARDS. |
| 26 | PRESSURE REDUCING VALVE TO BE INSTALLED AS PER ONTARIO PLUMBING CODE. COORDINATE WITH MECHANICAL CONTRACTOR. |
| 27 | 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. |



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 ARCHITECT
A. SAMMOUR
100227665
January 27, 2026
PROVINCE OF ONTARIO

drawing title	
Site Servicing Plan	
scale	As Shown
date	Sept. 2025
project number	24-835
drawing number	C1
drawn by	R. Ismail
checked by	Z. Bauman / A. Sammour
revision	

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

D07-12-25-0141

LEGEND	
	PROPERTY LINE
	NEW BUILDING
	DEPRESSED CURB
	BREAK OF SLOPE - NEW
	NEW DITCH
	LIMIT OF HIGH POINT
	CONCRETE CURB REMOVAL
	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 TWSI
	NEW TRANSFORMER PAD
	EXISTING STREET LIGHT
	EXISTING HYDRO POLE

LEGEND CONTINUED	
	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
	BUILDING ENTRANCE
	NEW SIAMESE CONNECTION
	EXISTING NATURAL GRADE
	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 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/OR 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 MFD (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

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



Jp2g Consultants Inc.
ENGINEERS • PLANNERS • PROJECT MANAGERS

12 INTERNATIONAL DR. PEMBROKE, ON, K6A 6W5
T: 613-735-2007
PEMBROKE@JP2G.COM

1150 MORRISON DR., #410 OTTAWA, ON, K2M 6S9
T: 613-829-7600
OTTAWA@JP2G.COM

16 EDWARD ST. S., #211 ABRAPROR, ON, K7S 3W4
T: 613-426-0792
ANNPROJ@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

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

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

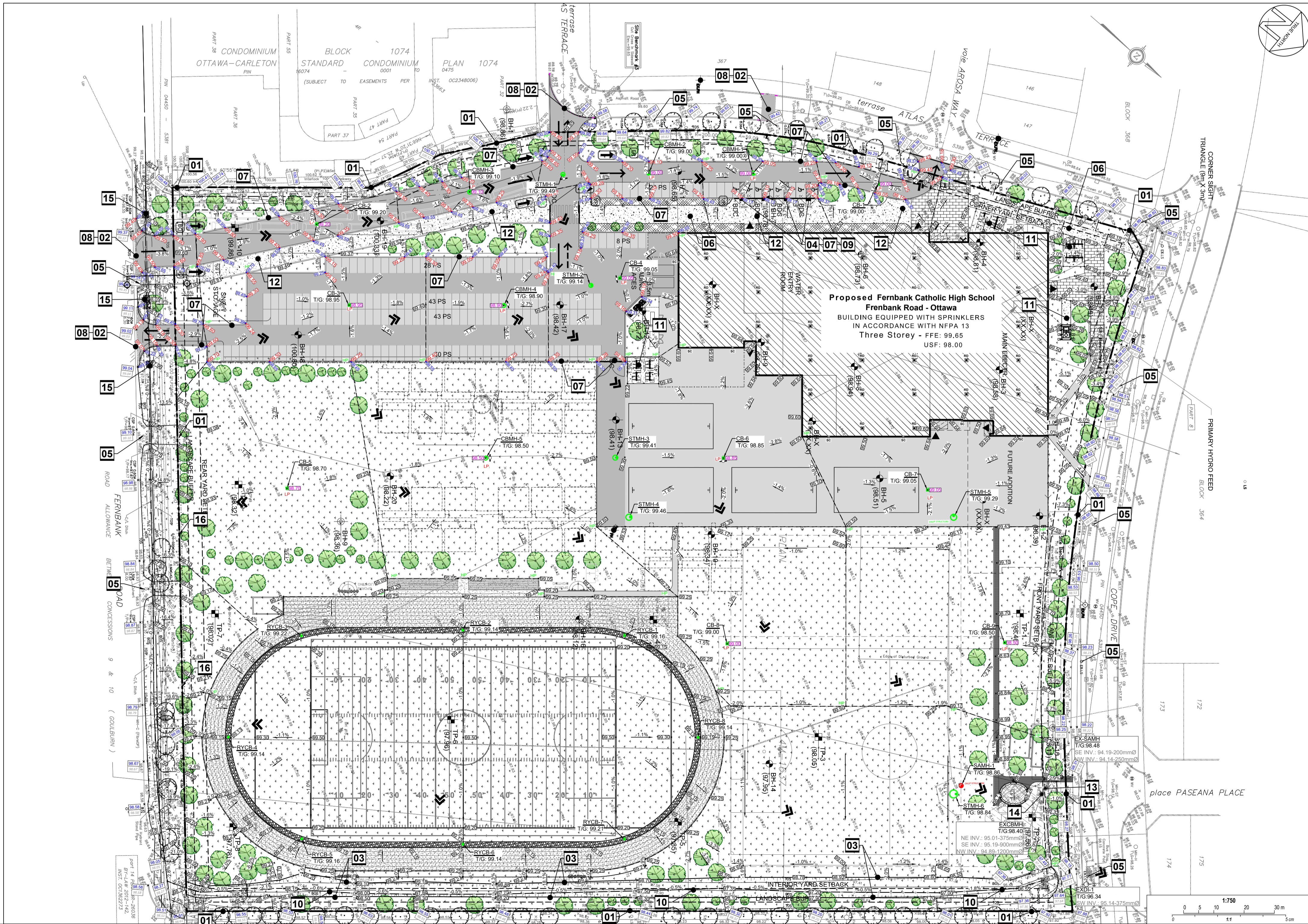
drawing title	
Site Grading Plan	
scale As Shown	drawn by R. Ismail
date Sept. 2025	checked by Z. Bauman / A. Sammour
project number 24-835	drawing number C2
CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS.	
revision	

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 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.



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. THIS INCLUDES BUT NOT LIMITED TO POWER, COMMUNICATION AND GAS LINES.
- ALL TRENCING 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 BIK656 P44837 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. 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. 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.

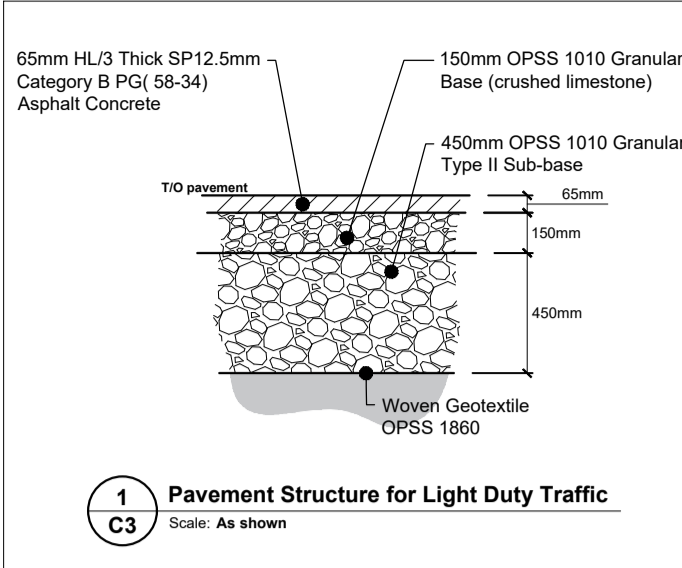
Parking Lot and Work in Public Rights of Way

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

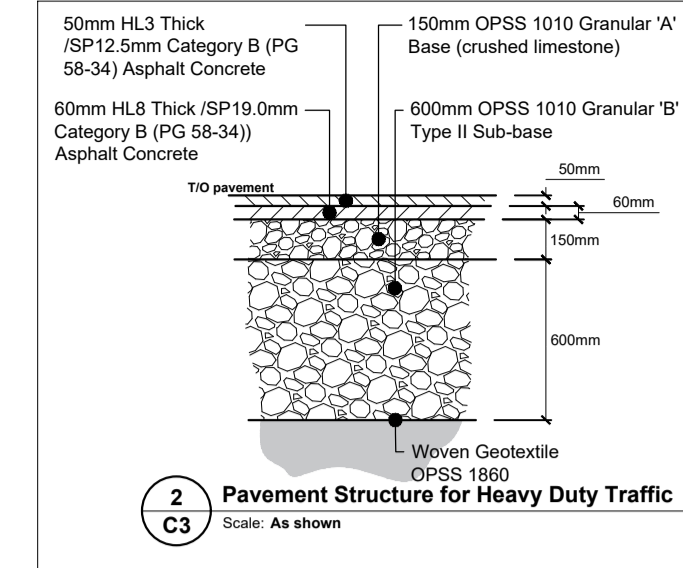
- PRIOR TO START OF CONSTRUCTION:
 - INSTALL SILT FENCE IN LOCATION SHOWN ON DWG C4.
 - INSTALL FILTER FABRIC OR SILT SACK FILTERS IN ALL THE CATCH-BASINS AND MANHOLES TO REMAIN DURING CONSTRUCTION WITHIN THE SITE (SEE TYPICAL DETAIL).
 - INSPECT MEASURES IMMEDIATELY AFTER INSTALLATION.
- DURING CONSTRUCTION:
 - 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 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 SLUMPS 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 OR 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 MULCH/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

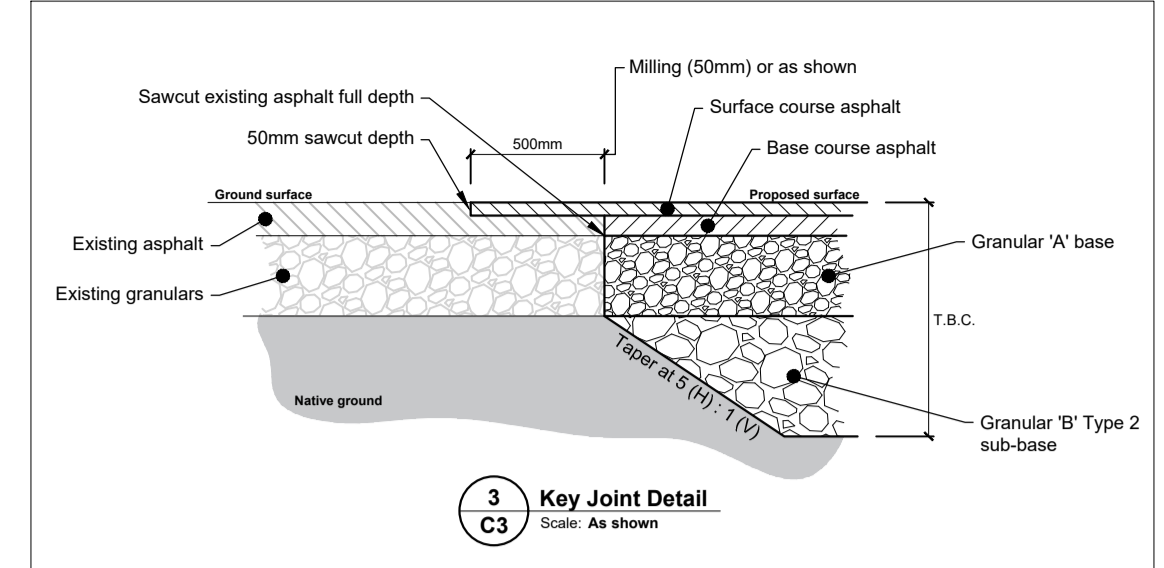
- CONTRACTOR TO REINSTATE ROAD CUTS AS PER CITY OF OTTAWA DETAIL R10.
- CONTRACTOR TO PREPARE SUBGRADE, INCLUDING PROOFLAPPING, TO THE SATISFACTION OF THE GEOTECHNICAL CONSULTANT PRIOR TO THE COMMENCEMENT OF PLACEMENT OF GRANULAR B MATERIAL.
- FILL TO BE PLACED AND COMPACTED PER THE GEOTECHNICAL REPORT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



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



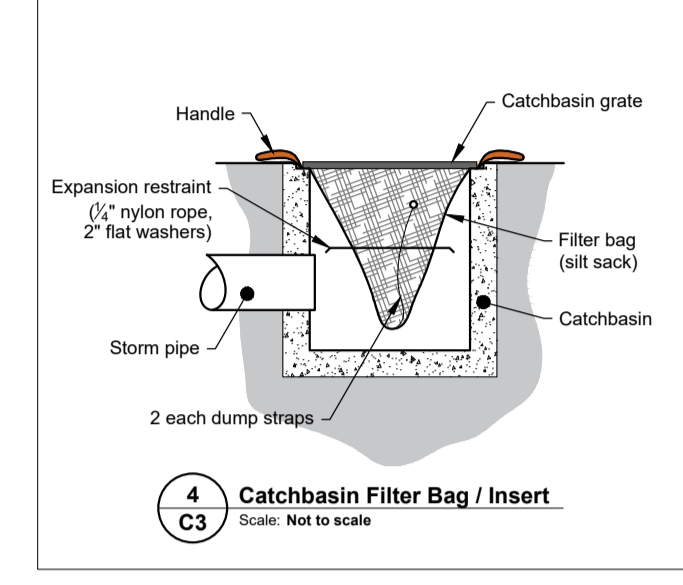
2 C3 Pavement Structure for Heavy Duty Traffic
Scale: As shown



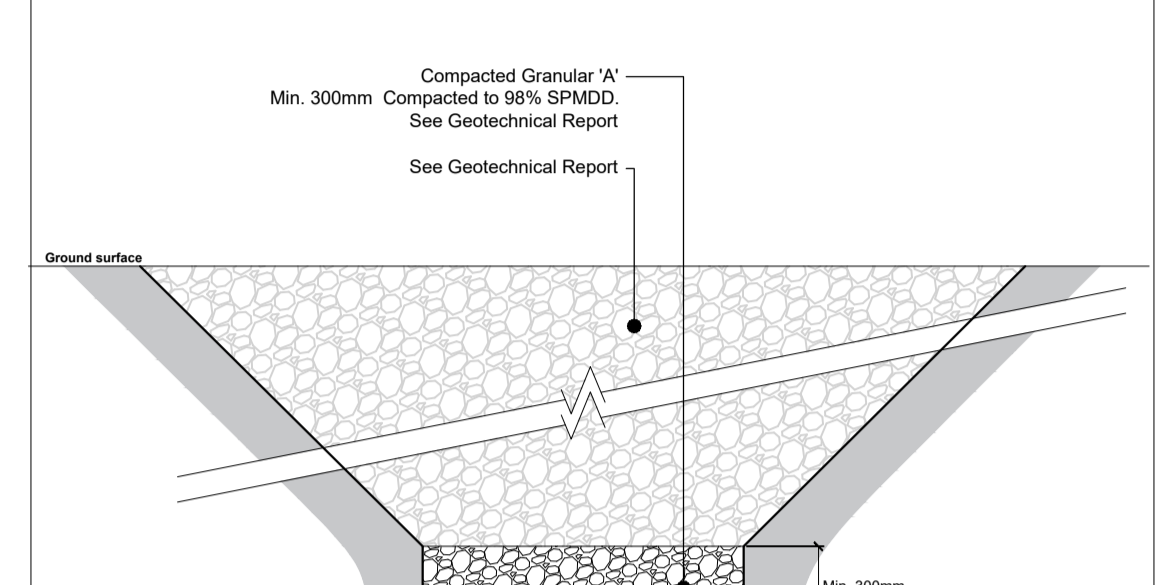
3 C3 Key Joint Detail
Scale: As shown

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.
 - 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.



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

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 DR 18 MEETING AWWA SPECIFICATION C900.
- ALL WATERMAIN TO BE INSTALLED AT MINIMUM COVER OF 2.4m BELOW FINISHED GRADE. WHERE WATERMANS CROSS OVER OTHER UTILITIES, A MINIMUM 0.50m 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, VALVES AND OTHER CONNECTIONS 100mm AND LARGER, IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS W25 & 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 W42.
- FIRE HYDRANT LOCATION AND INSTALLATION AS PER CITY OF OTTAWA STANDARD W18 & W19. CONTRACTOR TO PROVIDE FLOW TEST AND PAINTING OF NEW HYDRANT IN ACCORDANCE WITH CITY STANDARDS.
- IF WATER MAIN MUST BE DEFLECTED TO MEET ALIGNMENT, ENSURE THAT THE AMOUNT OF DEFLECTION USED IS LESS THAN HALF THAT RECOMMENDED BY THE MANUFACTURER.

CROSSING TABLE

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

WATER SERVICE TABLE

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.

NEW STORM SEWER STRUCTURE SCHEDULE

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

NEW SANITARY SEWER STRUCTURE SCHEDULE

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



Jp2g Consultants Inc.
ENGINEERS • PLANNERS • PROJECT MANAGERS

12 INTERNATIONAL DR. PEMBROKE, ON, N6A 6W5
T: 613-235-2007
PEMBROKE@JP2G.COM

1150 MORRISON DR., #410
OTTAWA, ON, K2H 6S9
T: 613-462-9700
OTTAWA@JP2G.COM

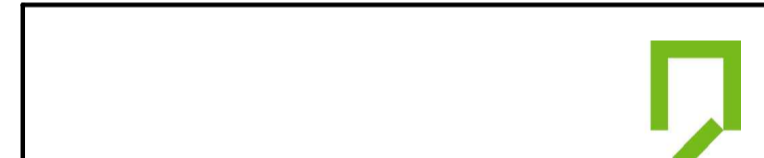
16 EDWARD ST. S., #211
ANNAPURIS, ON, K7S 3W3
T: 613-462-9700
ANNAPURIS@JP2G.COM

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

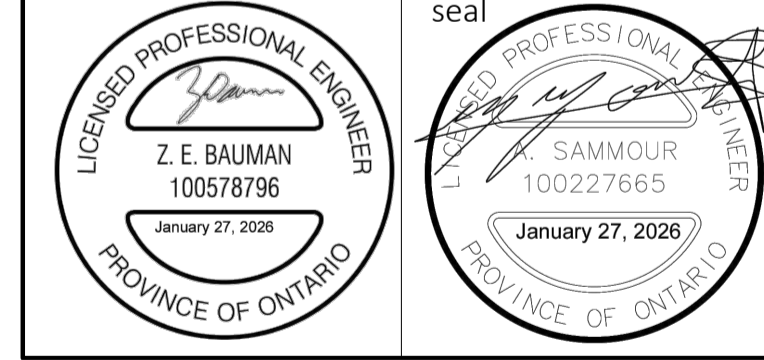


N45 ARCHITECTURE INC.
71 Bank Street, 7th Floor - Ottawa, Ontario K1P 5N2
tel. 613.224.0095 fax 613.224.9811

project

Fernbank Catholic High School

5431 Fernbank Road, Ottawa, ON K2S 0T7



drawing title
Details, Notes and Schedules

scale
As Shown

date
June 2025

project number
24-835

drawing number
C3

drawn by
R. Ismail

checked by
Z. Bauman / A. Sammour

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 TWSI
- 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

Allison Hamlin

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

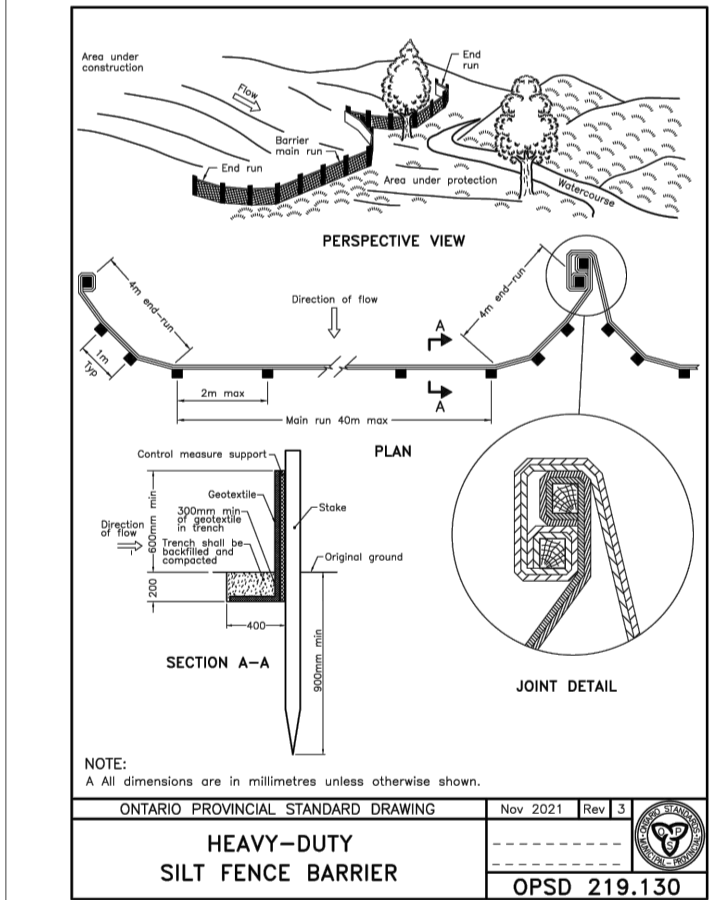
ALLISON HAMLIN
MANAGER, DEVELOPMENT REVIEW ALL WARDS
PLANNING, DEVELOPMENT & BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

DRAWING NOTES

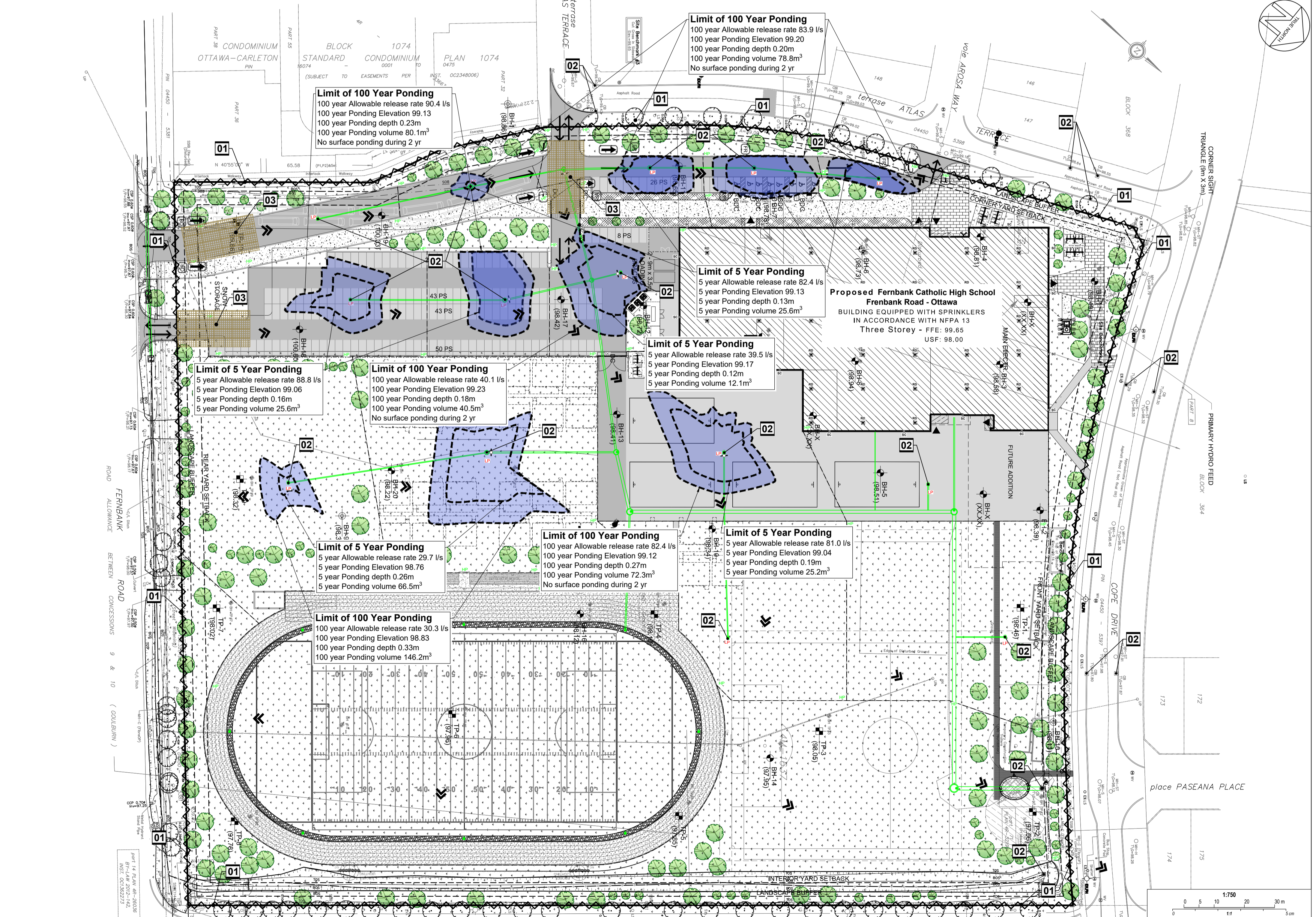
- INSTALL SILT FENCE IN ACCORDANCE WITH OPSD 219.130.
- INSTALL FILTER BAG (SILT SACK) TO PROTECT EXISTING CATCHBASINS & CATCHBASIN MANHOLES AS PER DETAIL 4.C3.
- PROPOSE MUD MAT DURING CONSTRUCTION.

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 BASIN 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.



1 Heavy Duty Silt Fence Barrier
Scale: Not to scale



Jp2g Consultants Inc.
ENGINEERS · PLANNERS · PROJECT MANAGERS
12 INTERNATIONAL DR. PEMBROKE, ON, K8A 6W5
T: 613-735-2007
PEMBROKE@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

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 Storm Water Management and Erosion Sediment Control Plan	
scale As Shown	drawn by R. Ismail
date Sept. 2025	checked by Z. Bauman / A. Sammour
project number 24-835	drawing number C4
CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS.	
revision	



Jp2g Consultants Inc.
ENGINEERS · PLANNERS · PROJECT MANAGERS

12 INTERNATIONAL DR. PEMBROKE, ON, K8A 6W5 T: 613-735-2007 P: 613-735-2007
1150 MORRISON DR., #410 OTTAWA, ON, K2H 6S9 T: 613-839-7800
16 EDWARD ST. S., #211 ABRIPROR, ON, K7S 3W3 T: 613-426-0790

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

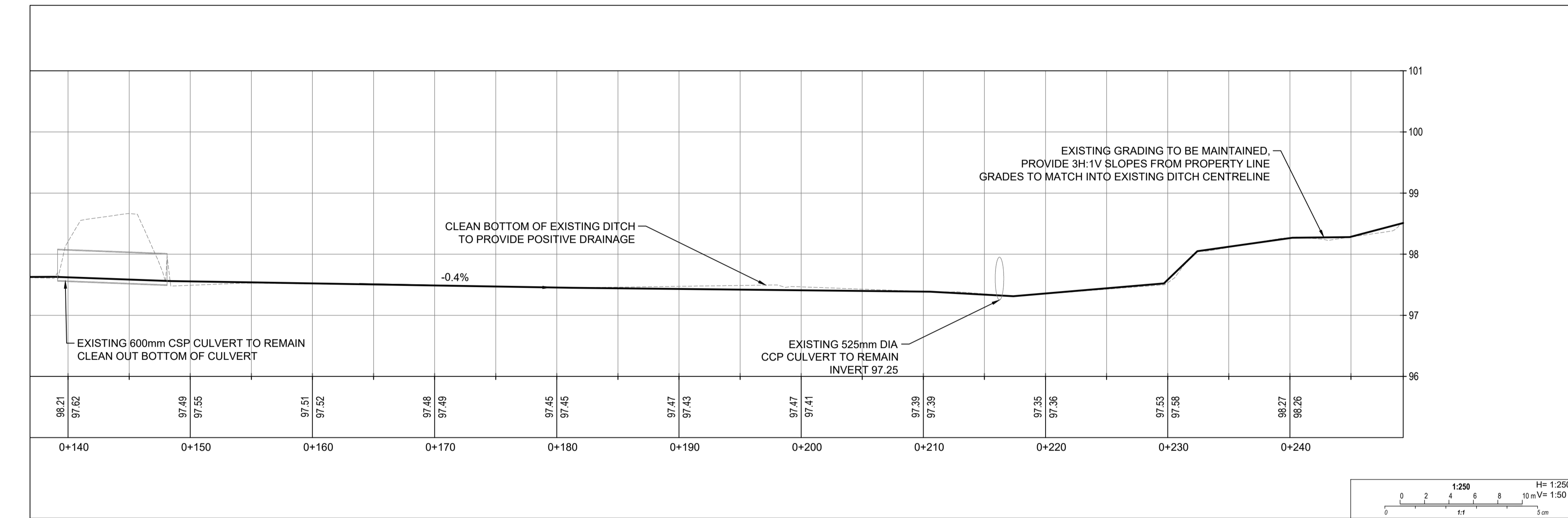
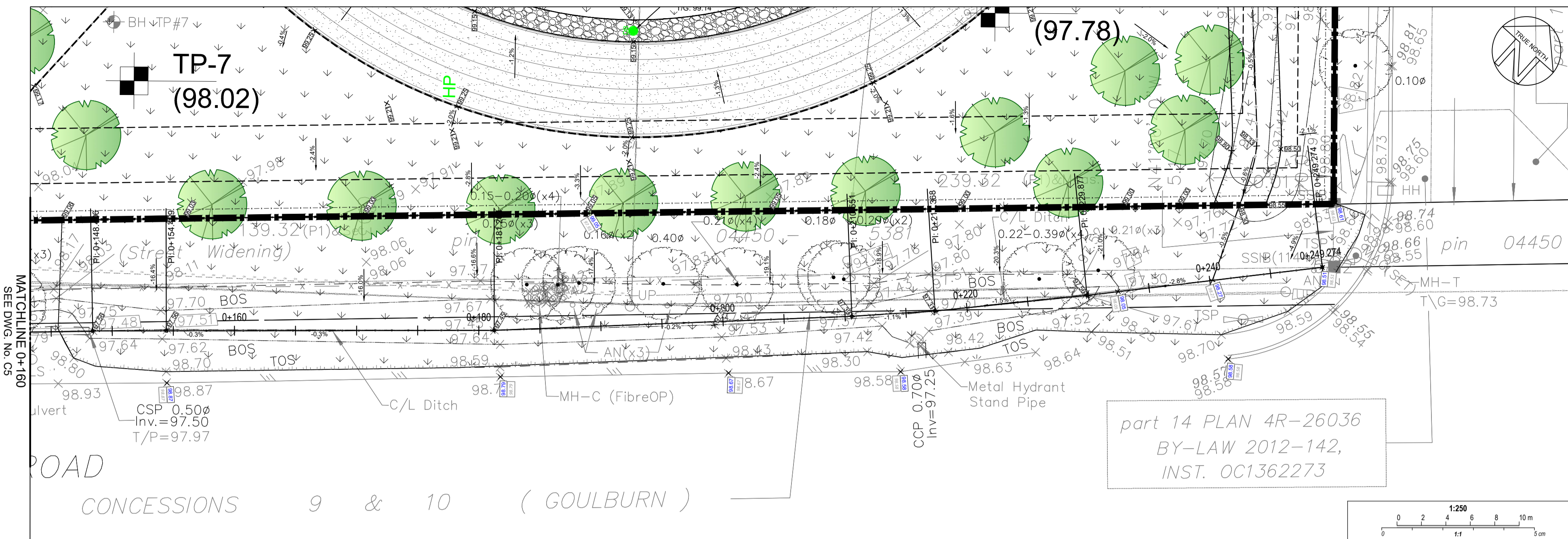
N45 ARCHITECTURE INC.
71 Bank Street, 7th Floor - Ottawa, Ontario K1P 5N2
tel. 613.224.0095 fax 613.224.9811

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

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 Fernbank Ditch Sta 0+160 to 0+210	
scale As Shown	drawn by R. Ismail
date Sept. 2025	checked by Z. Bauman / A. Sammour
project number 24-835	drawing number C6
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

A Hamlin

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

D07-12-25-0141



Jp2g Consultants Inc.
ENGINEERS · PLANNERS · PROJECT MANAGERS

12 INTERNATIONAL DR. PEMBROKE, ON, K8A 6W5
T: 613-735-2007
PEMBROKE@JP2G.COM

1150 MORRISON DR., #410 OTTAWA, ON, K2H 6S9
T: 613-839-7800
OTTAWA@JP2G.COM

16 EDWARD ST. S., #211 ABRAPROCK, ON, K7S 3W3
T: 613-426-0790
ABR@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

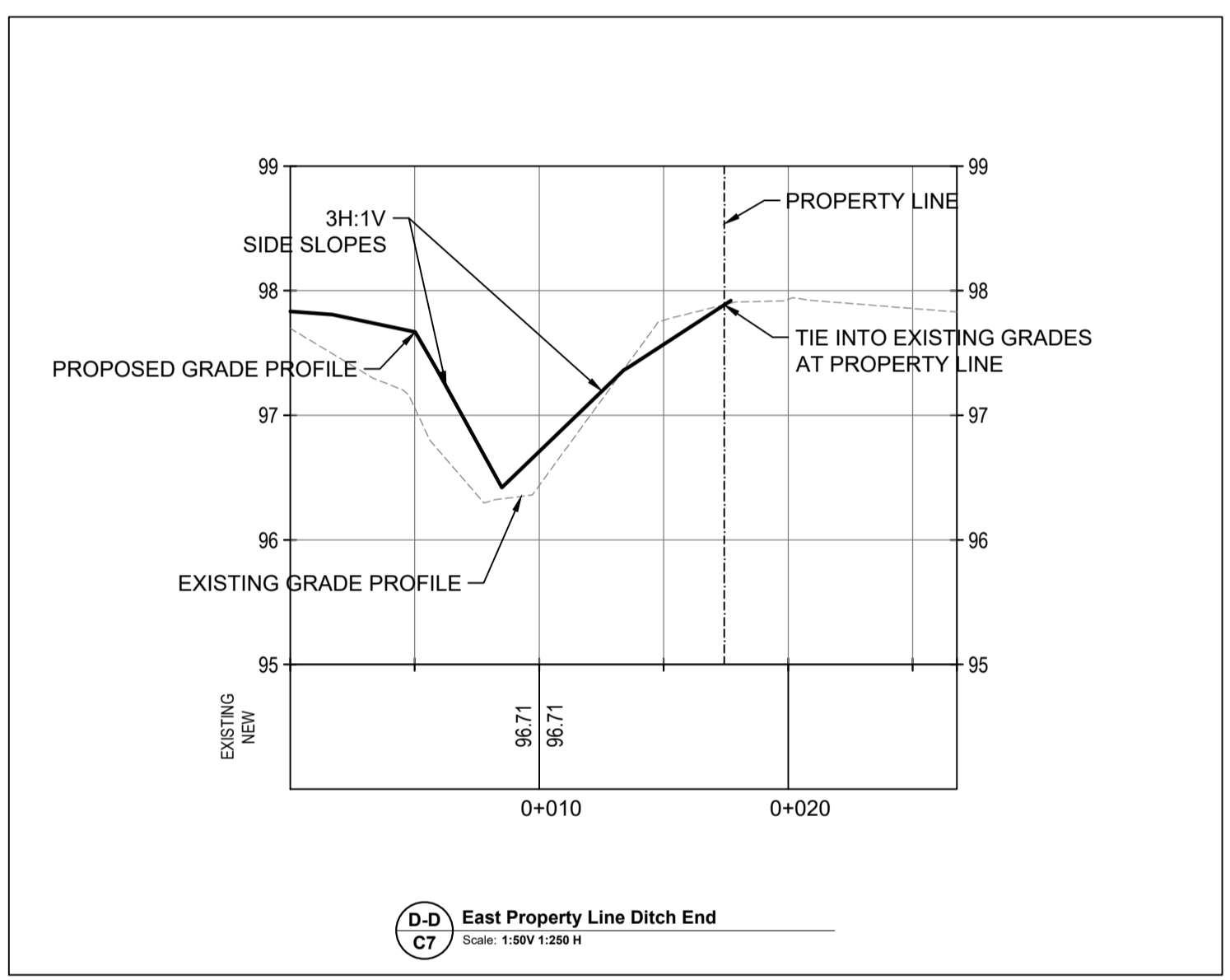
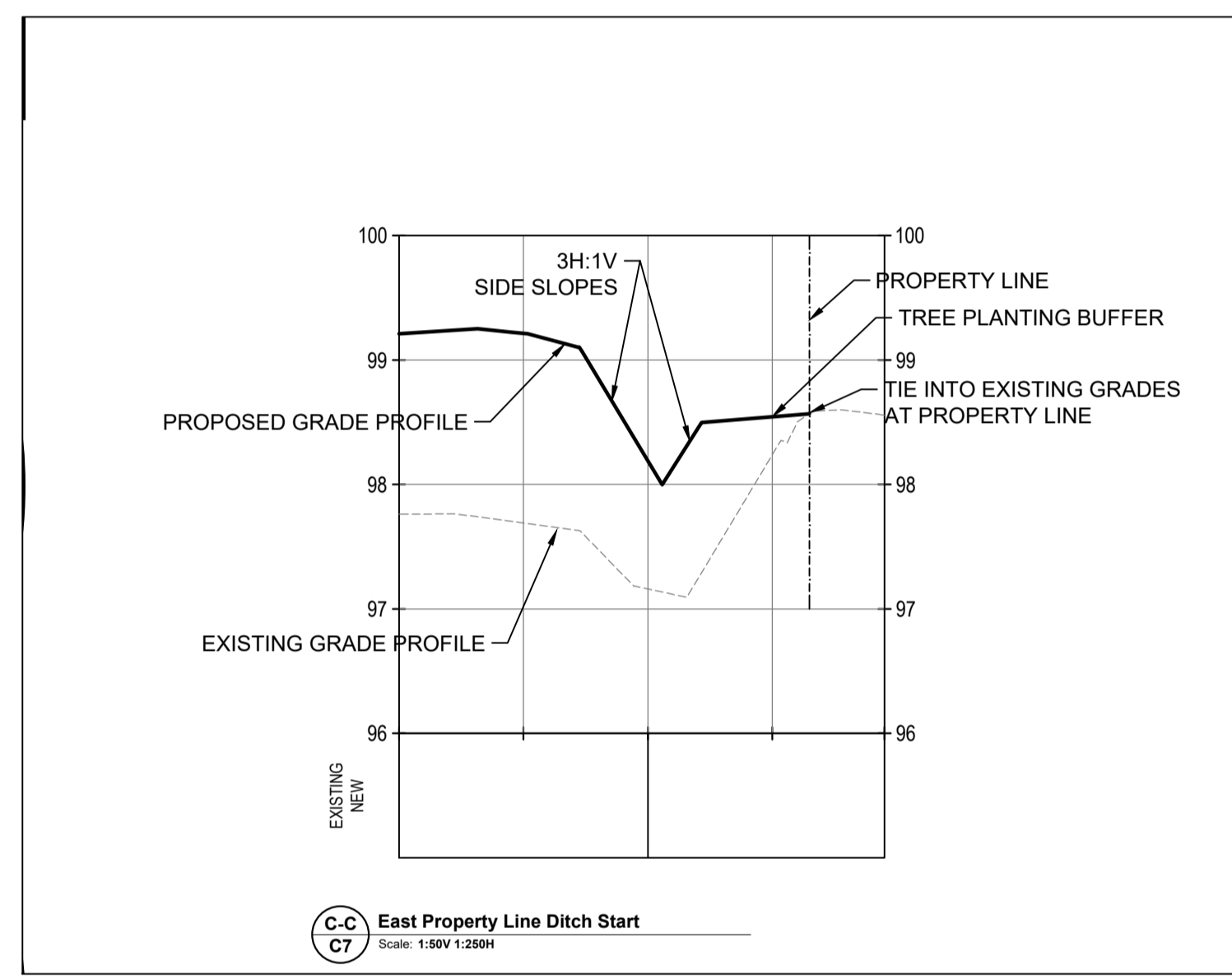
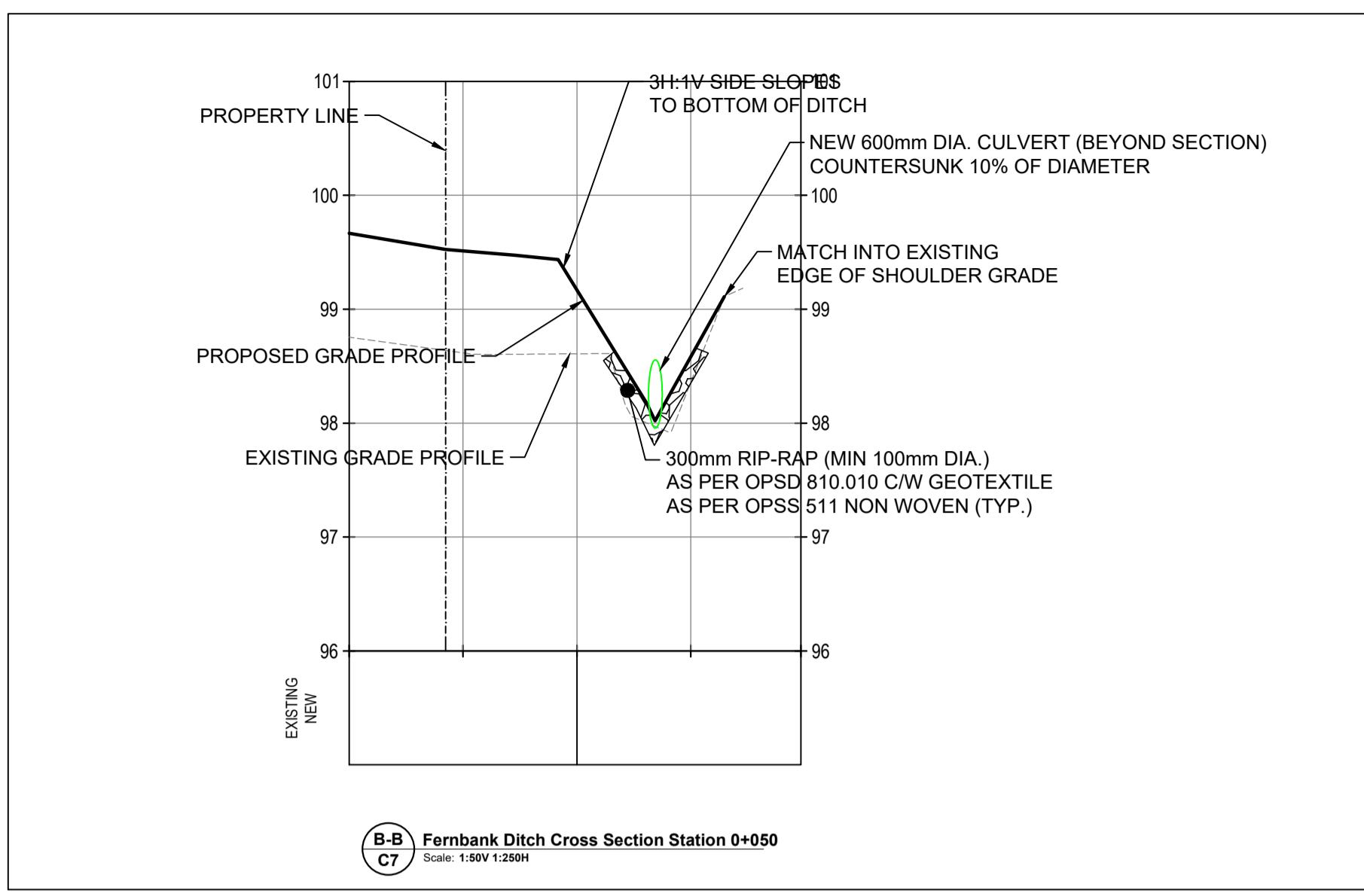
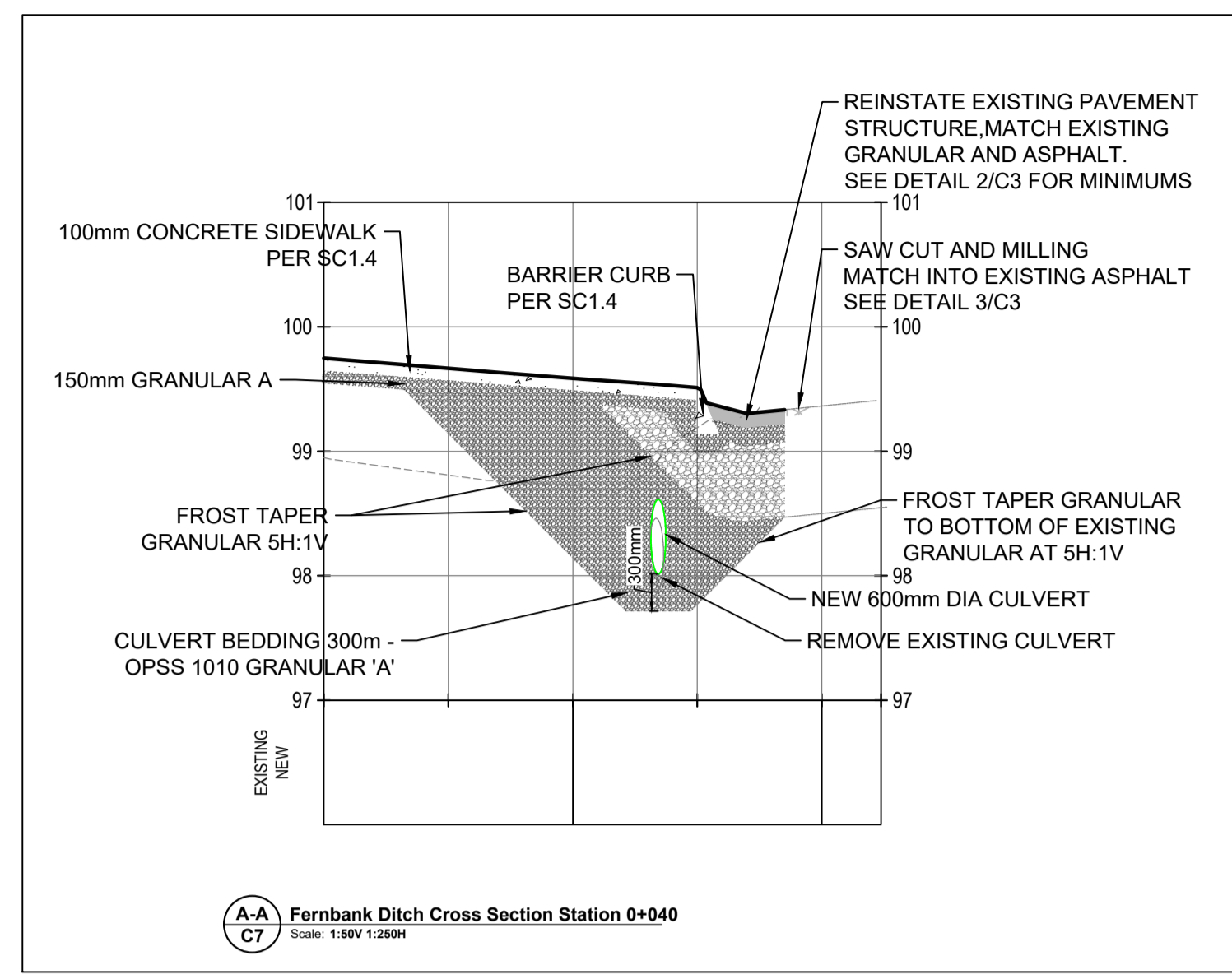
N45 ARCHITECTURE INC.
71 Bank Street, 7th Floor - Ottawa, Ontario K1P 5N2
tel. 613.224.0095 fax 613.224.9811

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

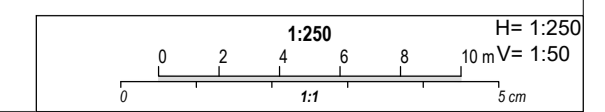
seal
LICENSED PROFESSIONAL ENGINEER
A. SAMMOUR
100227665
January 27, 2026
PROVINCE OF ONTARIO

drawing title Sections	
scale As Shown	drawn by R. Ismail
date Sept. 2025	checked by Z. Bauman / A. Sammour
project number 24-835	drawing number C7
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



LEGEND

X	0.00
	0.00 ha

DRAINAGE AREA ID

WEIGHTED RUNOFF COEFFICIENT

DRAINAGE AREA HECTARES

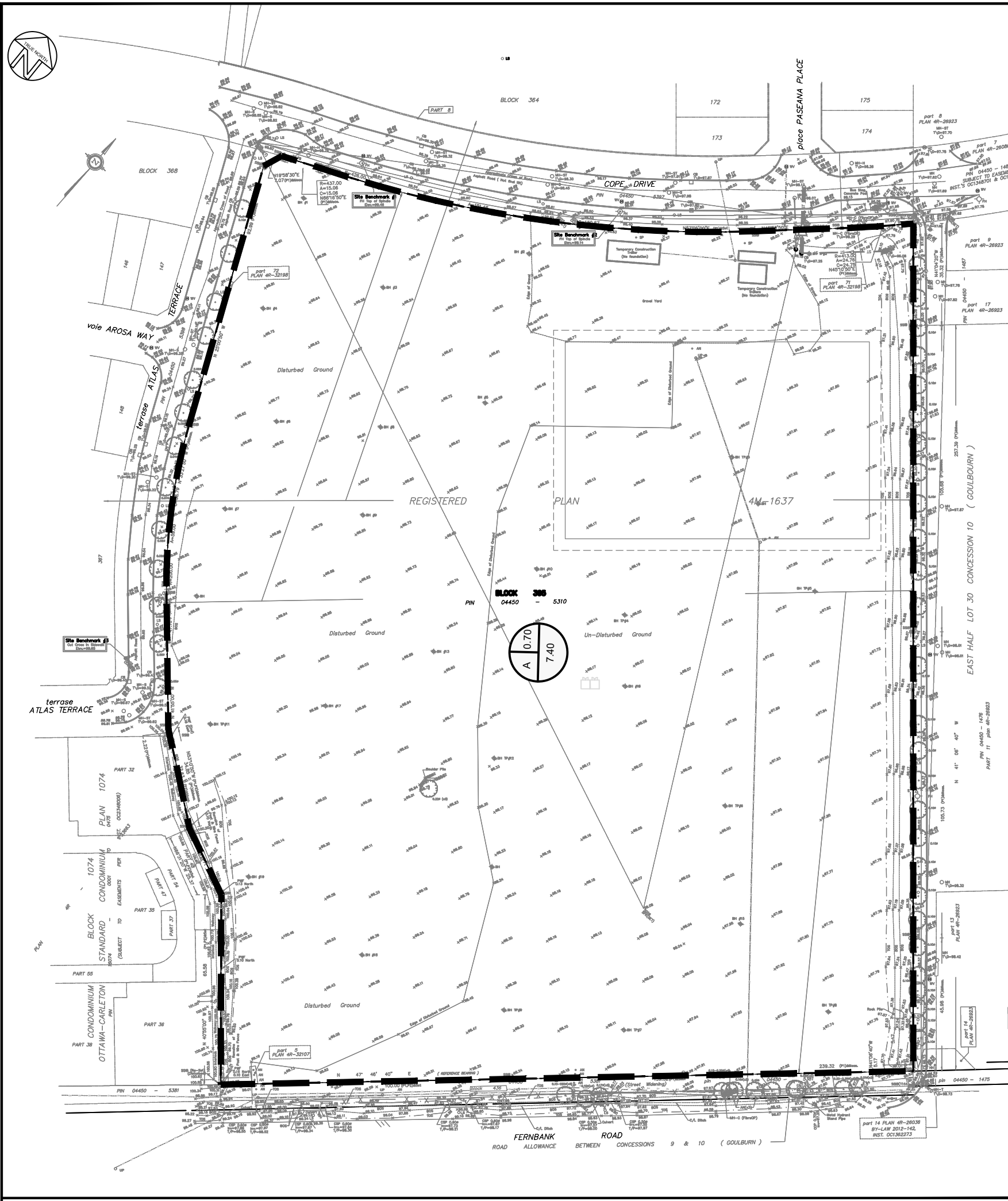
DRAINAGE AREA LIMIT

* 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

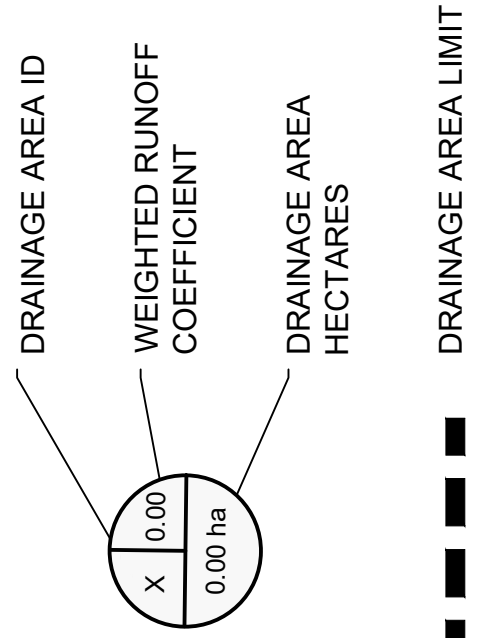


PROJECT	CLIENT No.:	
	DRAFTED: R.ISMAIL	DESIGNED: R.ISMAIL / Z.BAUMAN
DRAWING	REVIEWED: Z.BAUMAN	
	APPROVED: A.SAMMOUR	
FERNBANK CATHOLIC HIGH SCHOOL 5431 FERNBANK ROAD, OTTAWA, ON K2S 0T7		
FIGURE-1 PRE-DEVELOPMENT DRAINAGE AREAS		
SCALE: 1:1,500 0 m 25 50 75 m		
NORTH 		
SHEET# FIG.1		

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

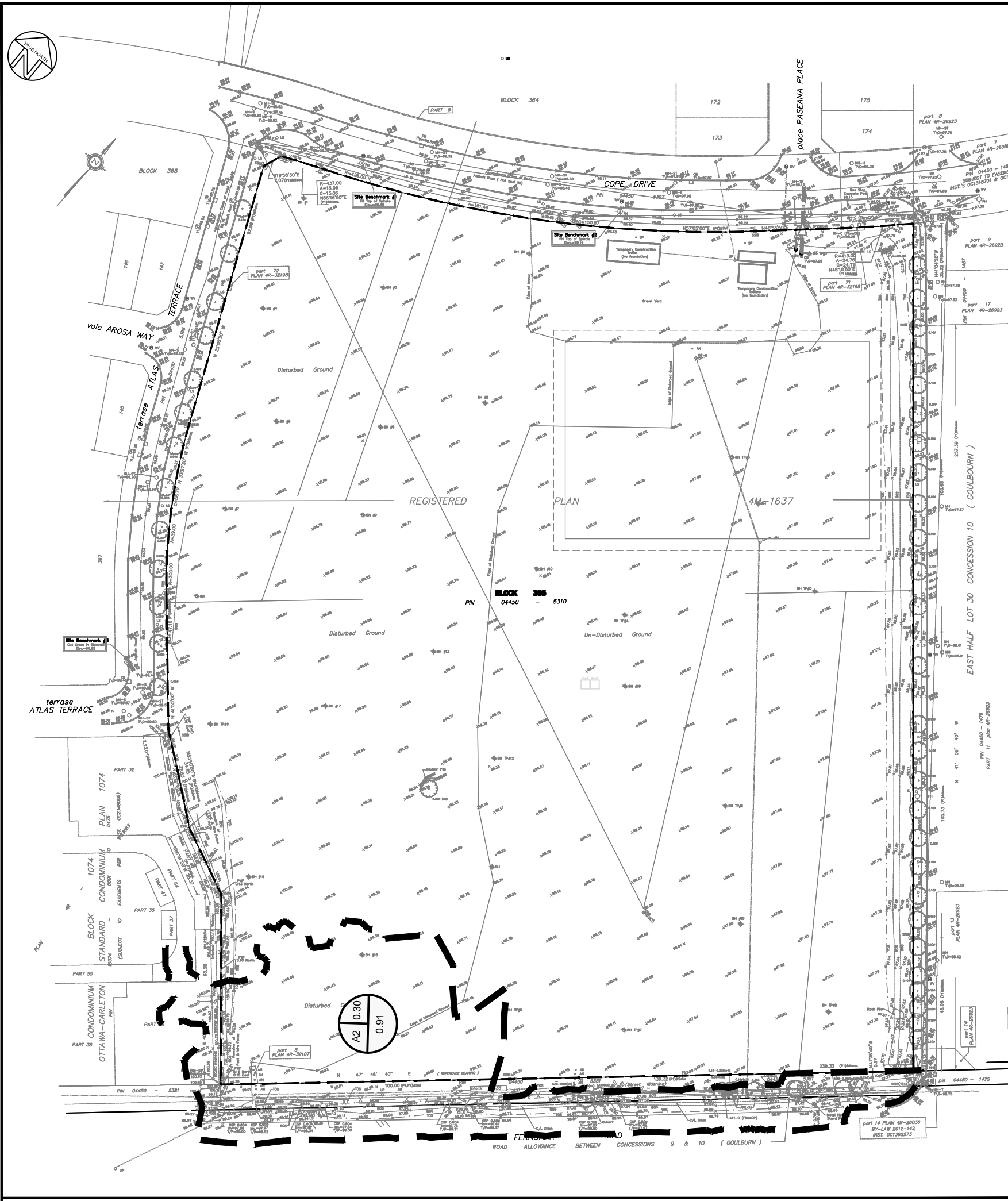
PROJECT No.: 24-5050A
 Jp2g

LEGEND



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



 NORTH	SCALE 1:1,500 0 m 25 50 75 m	 TRUE NORTH	<p>FIG.1A</p> SHEET#
CLIENT No.:		DRAFTED: R.ISMAIL DESIGNED: R.ISMAIL / Z.BAUMAN REVIEWED: Z.BAUMAN APPROVED: A.SAMMOUR	
PROJECT FERNBANK CATHOLIC HIGH SCHOOL 5431 FERNBANK ROAD, OTTAWA, ON K2S 0T7		DRAWING FIGURE-1 PRE-DEVELOPMENT CONTRIBUTION AREA TO FERNBANK DITCH	

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	

PROJECT No.: 24-5050A

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

DRAINAGE AREA ID

WEIGHTED RUNOFF

DRAINAGE AREA

ALLISON HAMLIN

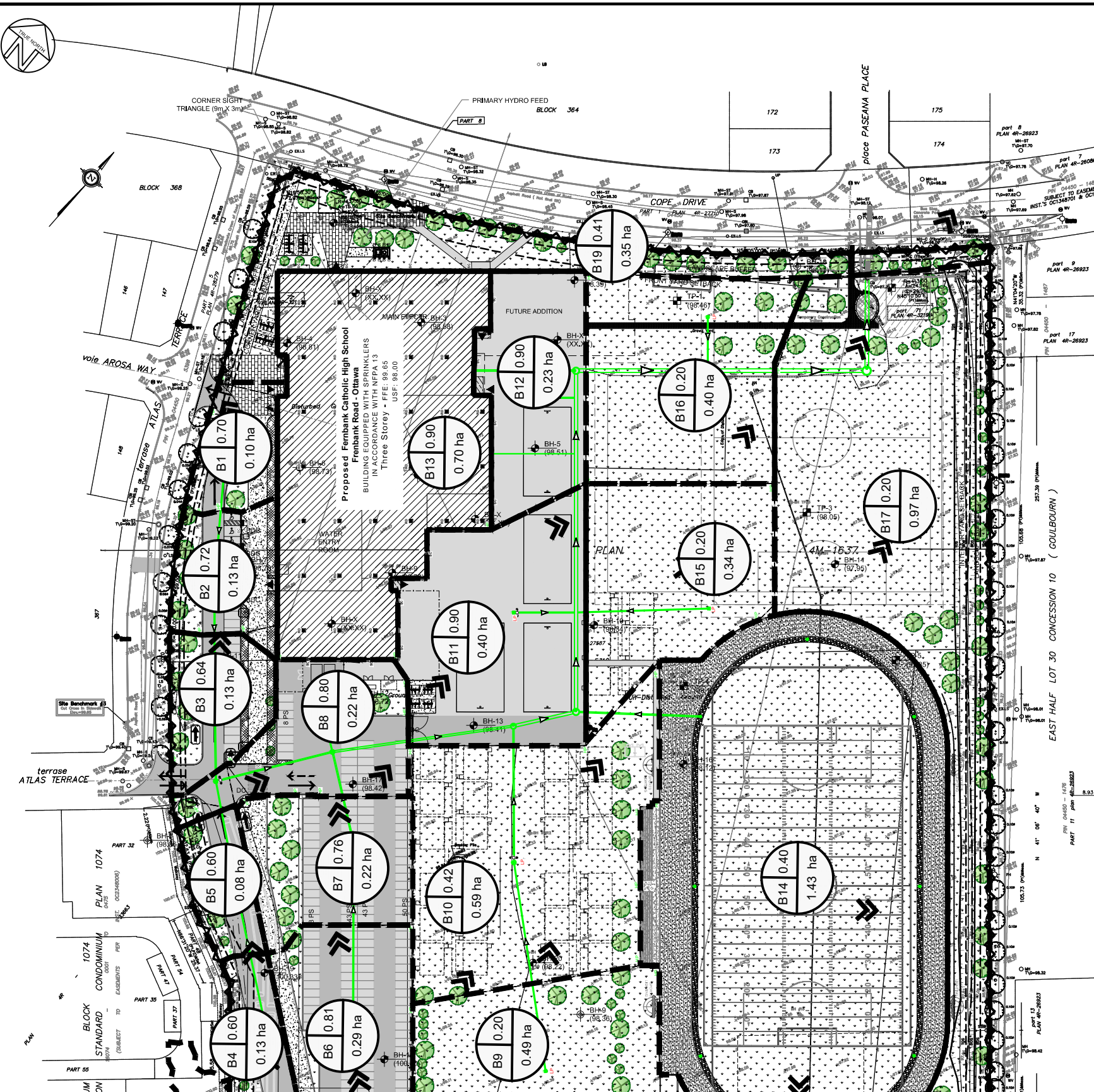
MANAGER, DEVELOPMENT REVIEW ALL WARDS

DRAINAGE AREA PLANNING, DEVELOPMENT & BUILDING SERVICES

DEPARTMENT, CITY OF OTTAWA

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



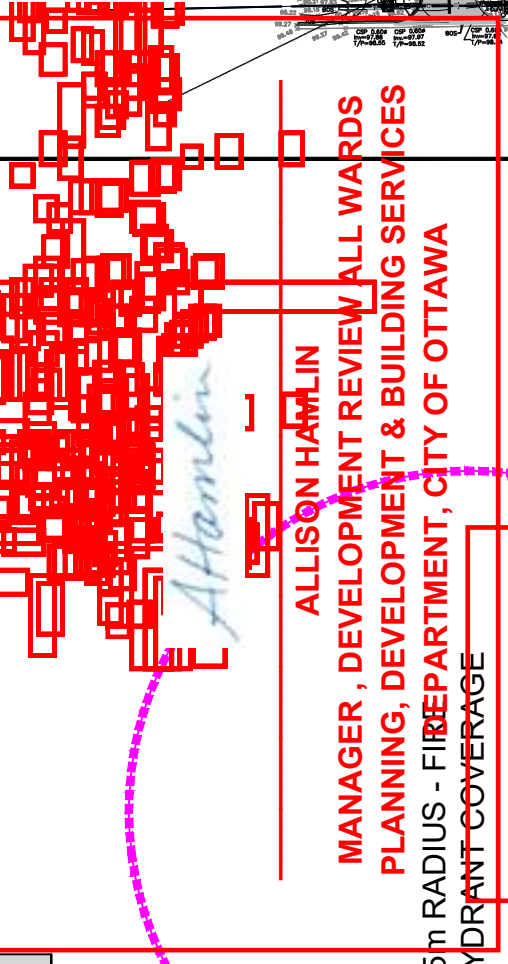
No.	YYYY-MM-DD	BY	DESCRIPTION
4	2026-01-27	R.I./Z.B.	ISSUED FOR SITE PLAN CONTROL R2
3	2025-12-02	R.I./Z.B.	ISSUED FOR SITE PLAN CONTROL R1
2	2025-10-23	R.I./Z.B.	ISSUED FOR SITE PLAN CONTROL
1	2025-09-05	R.I./Z.B.	ISSUED FOR PHASE 2 PRE-CONSULTATION APPLICATION
No.	YYYY-MM-DD	BY	DESCRIPTION

PROJECT		FERNBANK CATHOLIC HIGH SCHOOL	
DRAWING		5431 FERNBANK ROAD OTTAWA, ON K2S 0T7	
CLIENT No.:		DRAFTED: R.ISMAIL	
		DESIGNED: R.ISMAIL / Z.BAUMAN	
		REVIEWED: Z.BAUMAN	
		APPROVED: A.SAMMOUR	

SCALE	1:1,500
	0 m 25 50 75 m
NORTH	
SHEET#	FIG.2

FIGURE-2
POST-DEVELOPMENT DRAINAGE AREAS

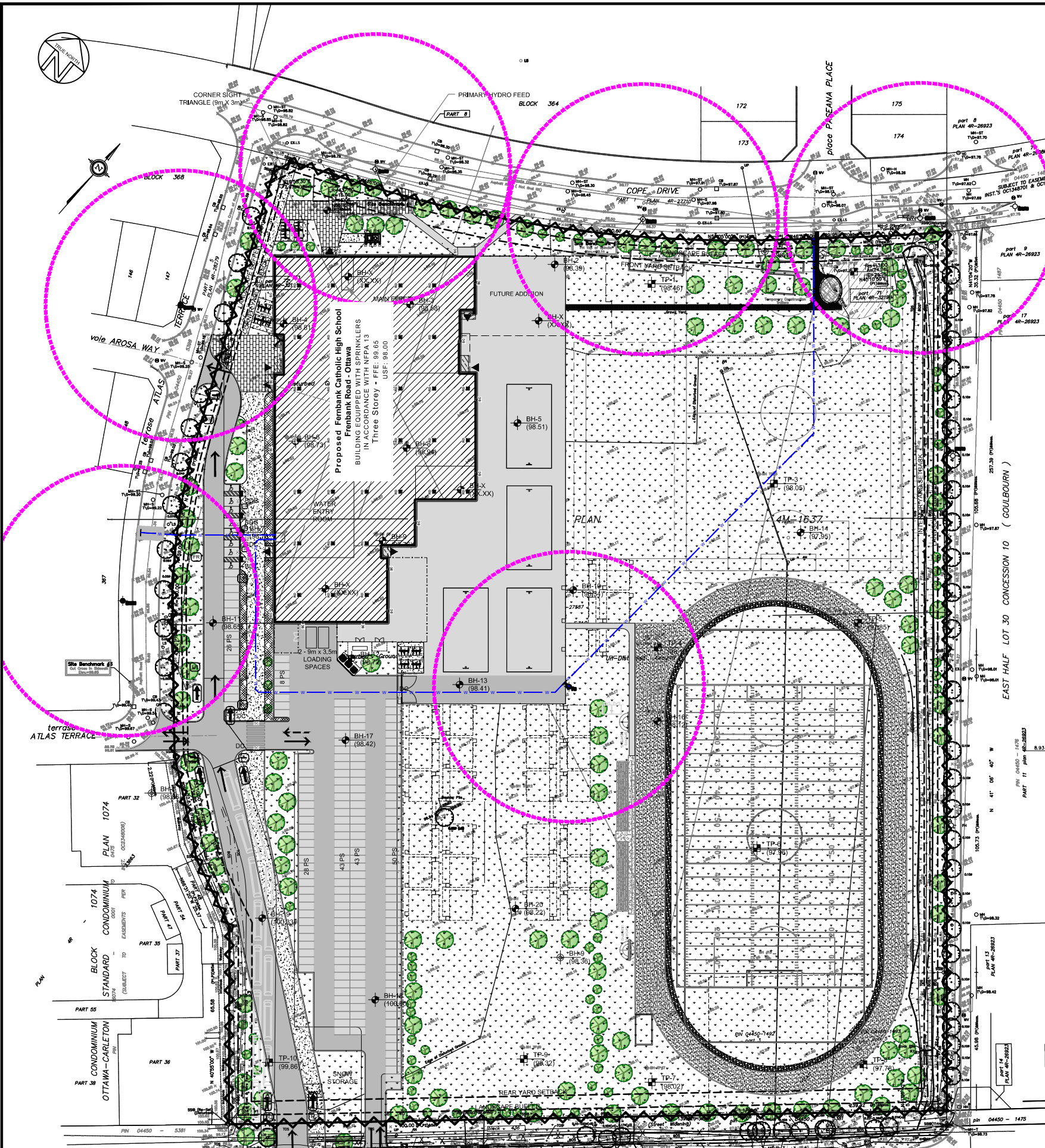
LEGEND



ALLISON HAMLIN
MANAGER, DEVELOPMENT REVIEW ALL WARDS
PLANNING, DEVELOPMENT & BUILDING SERVICES
45m RADIUS - FIRE DEPARTMENT, CITY OF OTTAWA
HYDRANT COVERAGE

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

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



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

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

DRAWING
 FIGURE-3
 FIRE HYDRANT COVERAGE AREAS

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

NORTH
 TRUE NORTH

SHEET #
FIG.3

PLAN #19410

No.	YYYY-MM-DD	BY	DESCRIPTION
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

PROJECT No.: 24-5050A
 Jp2g