

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
- 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"

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.
- FOR EXACT LOCATIONS AND NUMBERS OF ROOF DRAINS AND SCUPPERS, REFER TO MECHANICAL, STRUCTURE AND ARCHITECTURAL DRAWINGS.

DETAIL A/C1

ROAD CUT AS PER CITY OF OTTAWA
DETAIL R10, APPROX.
ROAD CUT AREA = 40 m²

PROPOSED 45m Ø200mm
PVC DR18 WATERMAIN

A = 59.00

Scale: N.T.S.

DETAIL B/C1

PROPOSED 345m Ø200mm
PVC DR18 WATERMAIN

APPROX. WATERMAIN
OVERT : 95.80

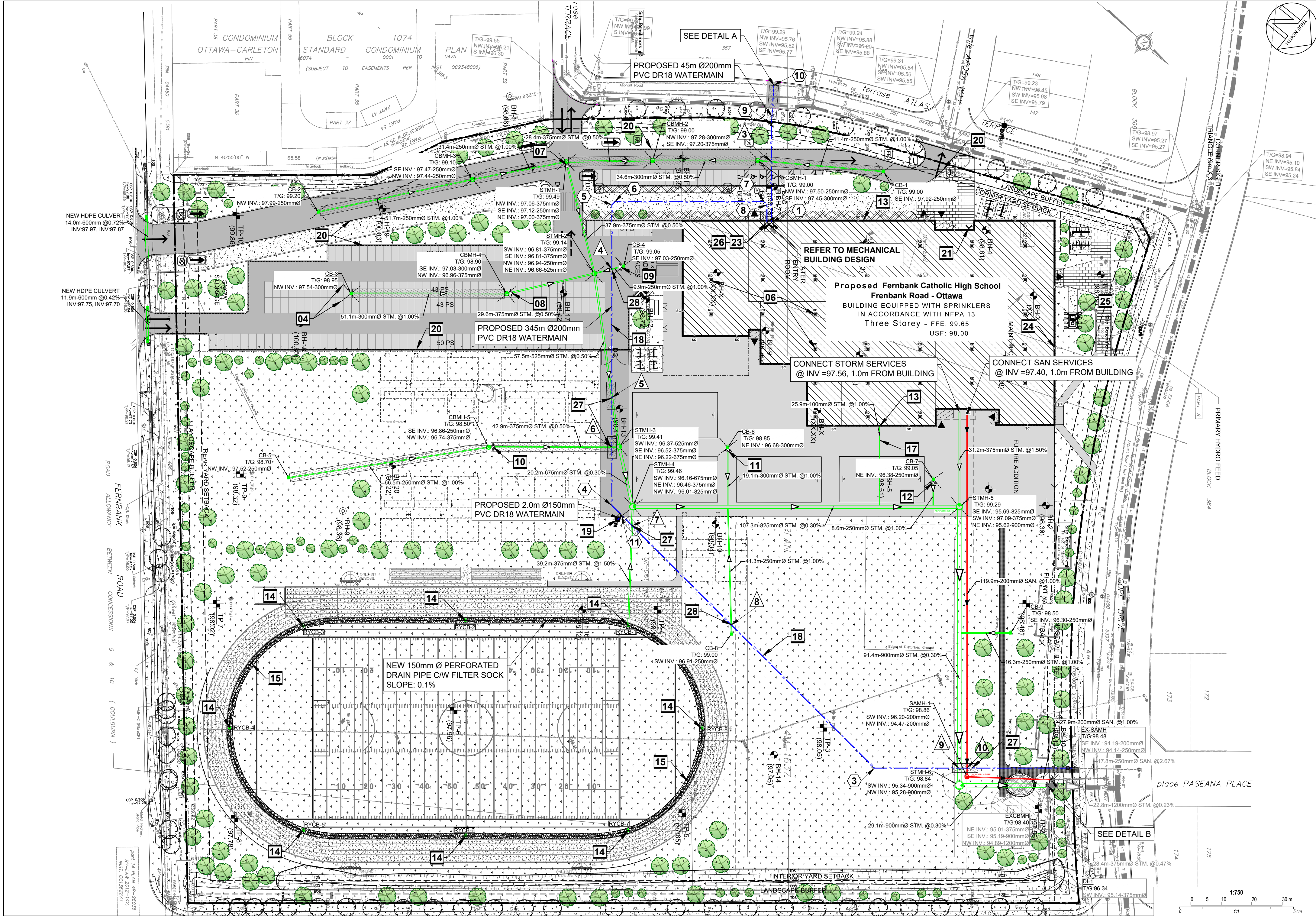
17.7m EXISTING 200mm Ø SANITARY
SEWER PVC SDR35 @2.67% SLOPE

22.8m EXISTING 1200mm Ø STORM
SEWER @0.23% SLOPE

Scale: N.T.S.

DRAWING NOTES

- SUPPLY AND INSTALL NEW 200mm Ø PVC DR18 WATER MAIN SERVICE, MINIMUM 2.4m COVER, OTHERWISE PROVIDE H40 THERMAL INSULATION IN ACCORDANCE WITH OPSD 1103.030. COORDINATE NEW WATER SERVICE CONNECTION WITH MECHANICAL PLANS. THRUST BLOCKS SHALL BE AS PER OPSD 1103.010 AS 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 200mmX200mm Ø PVC TO EXISTING MUNICIPAL WATERMAIN TO BE COMPLETED BY CITY OF OTTAWA FORCES. EXCAVATION, BACKFILL AND RE-INSTATEMENT 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 WAY 3.0m LONG 150mm Ø PERFORATED SUBDRAIN WRAPPED IN GEOTEXTILE SOCK EXTENDING FROM CB20M 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 WIR 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 81.3 l/s AT 2.01m HEAD AND ORIFICE DIAMETER AT 164mm.
- SUPPLY AND INSTALL NEW INLET CONTROL DEVICE FLOW REGULATOR AT CATCHBASIN. CBM#4 OUTLET. MAXIMUM DISCHARGE 88.30 l/s AT 1.97m HEAD AND ORIFICE DIAMETER AT 172mm.
- 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 159mm.
- SUPPLY AND INSTALL NEW INLET CONTROL DEVICE FLOW REGULATOR AT CATCHBASIN. CBM#5 OUTLET. MAXIMUM DISCHARGE 30.00 l/s AT 1.89m HEAD AND ORIFICE DIAMETER AT 101mm.
- SUPPLY AND INSTALL NEW INLET CONTROL DEVICE FLOW REGULATOR AT CATCHBASIN. CB-6 OUTLET. MAXIMUM DISCHARGE 82.40 l/s AT 2.31m HEAD AND ORIFICE DIAMETER AT 160mm.
- SUPPLY AND INSTALL NEW INLET CONTROL DEVICE FLOW REGULATOR AT CATCHBASIN. CB-7 OUTLET. MAXIMUM DISCHARGE 46.40 l/s AT 2.77m HEAD AND ORIFICE DIAMETER AT 115mm.
- CONNECT NEW 100mm PERIMETER FOUNDATION DRAINAGE WITH FILTER SOCK TO 100mm STORM SERVICE AT INVERT 98.00 @ 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 800mm 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 W19. CONTRACTOR IS RESPONSIBLE TO PROVIDE FIRE HYDRANT TESTING AND PAINTING OF CAP AS PER MUNICIPAL STANDARD. INSTALL VALVE ON HYDRANT LEAD PER CITY DETAIL W24 & W50.
- 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.
- CONSTRUCT WATERMAIN CROSSING BENEATH SEWER AS PER CITY OF OTTAWA DETAIL W25 WITH MINIMUM 0.50m BARREL TO BARREL SEPARATION.



OTTAWA CATHOLIC SCHOOL BOARD

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JP2g PROJECT No: 24-5050A

Site Location

NOT FOR CONSTRUCTION

No.	DESCRIPTION	DATE
2	ISSUED FOR SITE PLAN CONTROL	2025-10-23
1	ISSUED FOR PHASE 2 PRE-CONSULTATION APPLICATION	2025-09-05
		YYYY-MM-DD

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Professional Engineer Seal: Z. E. BAUMAN, 1005/8796, October 23, 2025, PROVINCE OF ONTARIO

Professional Engineer Seal: A. SAMMOUR, 100227665, October 23, 2025, PROVINCE OF ONTARIO


























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	C1
CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS.			revision

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

1. A GEOTECHNICAL ENGINEER LICENSED IN THE PROVINCE OF ONTARIO SHALL INSPECT ALL SUBGRADE SURFACES FOR FOOTING AND TRENCHES, PIPE BEDDING AND PAVEMENT STRUCTURES PRIOR TO CONSTRUCTION.
2. IT IS STRICTLY RECOMMENDED TO REFER GEOTECHNICAL INVESTIGATION REPORT "GEOTECHNICAL INVESTIGATION OF FERNIBATH CATHOLIC HIGH SCHOOL, 3431 FERNIBATH ROAD, OTTAWA, ONTARIO BY EXP SERVICES INC."
3. IT IS ANTICIPATED THAT THE MAJORITY OF THE MATERIAL REQUIRED FOR BACKFILLING PURPOSES AND FOR TRENCH BACKFILL WILL BE LOANED, SORTED AND SHOULD CONFORM TO THE RECOMMENDATION STATED IN THE GEOTECHNICAL REPORT.
4. 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.
5. IT IS RECOMMENDED THAT THE BEDDING FOR THE UNDERGROUND SERVICES INCLUDING MATERIAL, PIPEWORK, CONDUITS, THICKNESS OF COVER MATERIAL, AND COMPACTOR REQUIREMENTS CONFORM TO MUNICIPAL REQUIREMENTS AND/OR ONTARIO PROVINCIAL STANDARD SPECIFICATION AND DRAWINGS (OPSS AND OPSD).
6. IT IS RECOMMENDED THAT THE PIPE BEDDING BE 300 MM THICK AND CONSIST OF OPSS GRANULAR BEDDING MATERIAL. BEDDING MATERIAL 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.
7. THE BEDDING THICKNESS MAY BE FURTHER INCREASED IN AREAS WHERE THE SUBGRADE BECOMES UNSUBSIDED.
8. 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 MOVING OF THE SUBGRADE. THE TRENCH BACKFILL SHOULD BE PLACED IN 300 MM THICK LIFTS AND EACH LIFT SHOULD BE COMPACTED TO 95 PERCENT SPMD.
9. THE BEDROCK/AUGER REFUSAL DEPTHS ACROSS THE SITE ARE VARIABLE. SHALLOW BEDROCK DEPTHS SHOULD BE INDICATED ON THE SITE PLAN. CONTRACTORS BIDDING ON THIS PROJECT SHOULD ANTICIPATE THESE CONDITIONS.
10. 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 BE COMPACTED TO 95 PERCENT SPMD. MATERIAL (SSM) COMPACTED TO 95 PERCENT OF THE SPMD AND THE UPPER 300 MM OF THE SUBGRADE FILL MUST BE COMPACTED TO 98% SPMD.
11. 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 TOPSOIL SHOULD BE PROPERLY SHARED, CROWDED, 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 REPAIRS REPLACED WITH SUITABLE APPROVED BACKFILL COMPACTED TO 95 PERCENT SPMD (ASTM D698-19E2).

GEO TECHNICAL NOTES CONTINUED

12. THE SUBDRAINS ILLUSTRATED ON PLANS ARE SCHEMATIC. FULL CIRCLE OF SUBDRAINS SHOULD BE INSTALLED ON BOTH SIDES OF THE ACCESS ROAD(S). SUBDRAINS SHOULD BE INSTALLED ON BOTH SIDINGS OF THE ACCESS ROADS). SUBDRAINS MUST BE INSTALLED IN THE PROPOSED PARKING LOT SURFACE AT POINTS OF ENTRY AND EXIT TO INTERCEPT WATER FLOW TRENDS TO INTERCEPT EXCESS SURFACE AND SUBGRADE 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 PROJECT GRADING PLAN.
13. TO MINIMIZE THE PROBLEMS OF DIFFERENCE IN CONTACT BETWEEN THE PAVEMENT AND CATCATCHBASS-FRAME DUE TO Frost ACTION, THE BACKFILL AROUND THE STRUCTURES SHOULD CONSIST OF FREE-DRAINING GRANULAR PREFERRABLY CONFORMING TO OPSS GRANULAR B TYPE OR EQUIVALENT. DEEP HOLES SHOULD BE PURGED IN THE CATCATCHBASS/HOLES TO FACILITATE DRAINAGE OF ANY WATER THAT MAY ACCUMULATE IN THE GRANULAR FILL.
14. THE MOST SEVERE LOADING CONDITIONS ON LIGHT-DUTY PAVEMENT AREAS AND THE SUBGRADE MAY OCCUR DURING CONSTRUCTION. CONSEQUENTLY, SPECIAL PROVIDIONS SUCH AS RESTRICTED LANE LOADS DURING PAVING, TEMPORARY CONSTRUCTION ROADWAYS, ETC., MAY BE REQUIRED, ESPECIALLY IF CONSTRUCTION IS CARRIED OUT DURING UNFAVORABLE WEATHER.
15. 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. ALL CURBS SHOULD FACE FORWARD. CURBS SHOULD NOT BE ALLOWED TO FORM ADJACENT TO THE OUTSIDE EDGES OF PAVED AREAS.
16. RELATIVELY WEAKER SUBGRADE MAY DEVELOP OVER SPACE TRENCHES AT SUBGRADE LEVEL. THESE AREAS MAY REQUIRE THE USE OF THICKER/CORNER/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 SUB-TYPE II, SHOULD BE PROVIDED IN THESE AREAS, IN ADDITION TO THE USE OF A GEOTEXTILE AT THE SUBGRADE LEVEL.
17. THE DESIGN CRITERIA FOR THE PAVEMENT SHALL BE IN ACCORDANCE WITH THE STANDARD ONTARIO PROVINCIAL STANDARD SPECIFICATIONS (OPSS) 11010 FOR GRANULAR AND GRANULAR B TYPE II AND SHOULD BE COMPACTED TO 100 PERCENT OF THE SPMD.
18. THE ASPHALTIC CONCRETE USED, AND ITS PLACEMENT SHOULD MEET OPSB 1150 OR 1151 WHICHEVER APPLIES. IT SHOULD BE VERIFIED THAT IT IS IN ACCORDANCE WITH THE ASTM (ASTM D2041), ASPHALT PLACEMENT SHOULD BE IN ACCORDANCE WITH OPSB 310 AND OPSB 313.
19. 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 SUPERVISOR MONITORING. IT IS THE RESPONSIBILITY TO ENSURE THAT CONSTRUCTION OF THE SEWERS AND PAVEMENT PROCEEDS ACCORDING TO THE SPECIFICATIONS.
20. STRINGENT CONSTRUCTION CONTROL PROCEDURES SHOULD BE MAINTAINED TO ENSURE THAT UNIFORM SUBGRADE MOISTURE AND DENSITY CONDITIONS ARE ACHIEVED.

GEOTECHNICAL NOTES CONTINUED

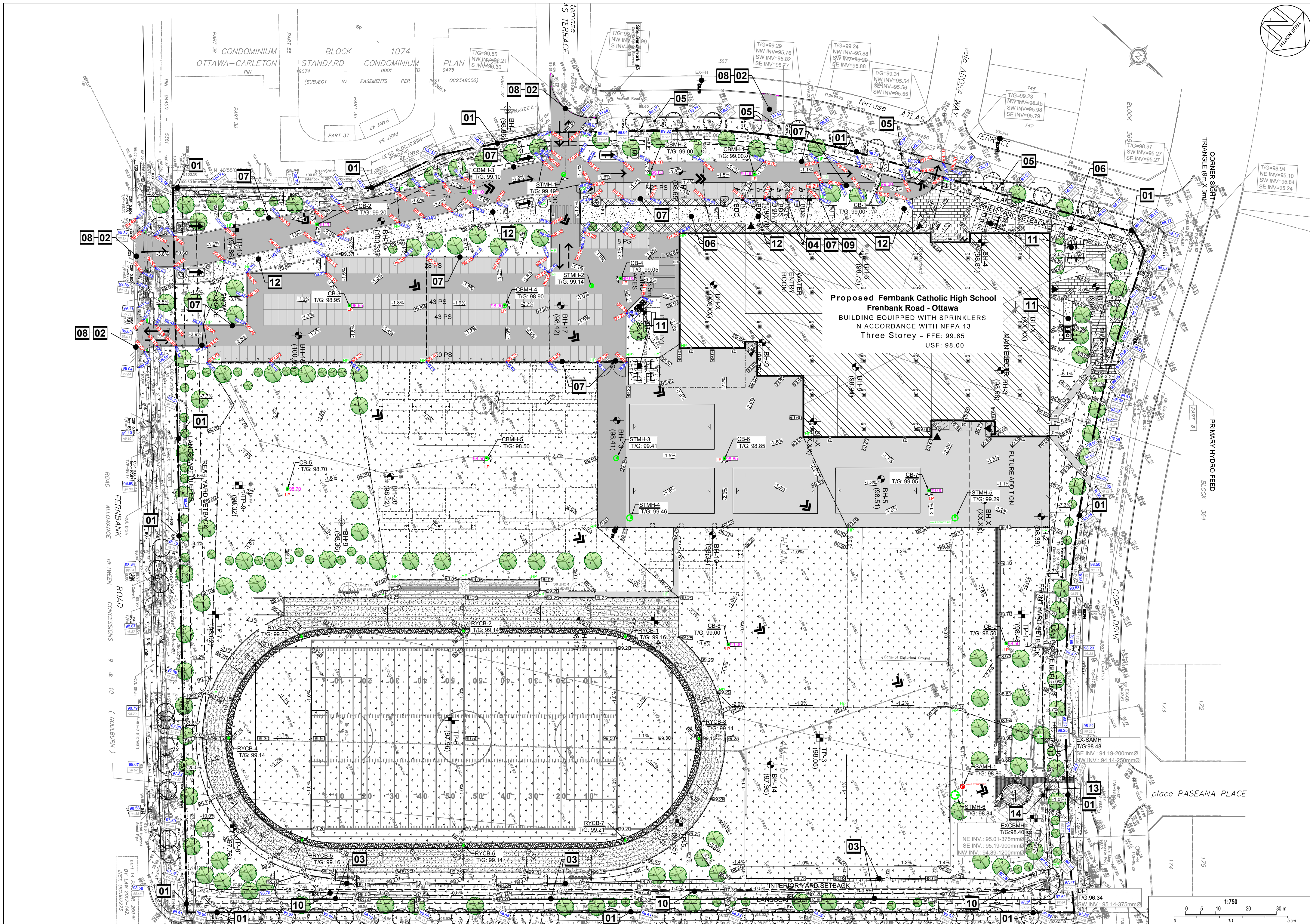
21. SHOULD SURFACE AND SUBSURFACE WATER SEEPAGE OCCUR INTO THE EXCAVATIONS COLLECT ANY WATER ENTERING THE EXCAVATIONS AND REMOVE IT BY PUMPING FROM SUMP.
22. IF THE BACKFILL IN THE SERVICE TRENCHES WILL CONSIST OF GRANULAR FILL, CLAY SEALS SHOULD BE INSTALLED IN THE SERVICE TRENCHES AT SELECT INTERVALS (SPACING AS PER CITY OF OTTAWA DRAWING NO. 58). THE SEALS SHOULD BE 1in WIDE, EXTEND OVER THE ENTIRE TRENCH WIDTH AND FROM THE BOTTOM OF THE TRENCH TO THE UNDERSIDE OF THE PAVEMENT STRUCTURE. THE CLAY SHOULD BE COMPACTED TO 95 PERCENT SMD. 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.
23. 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.
24. THE MUNICIPAL SERVICES SHOULD BE INSTALLED IN SHORT OPEN TRENCH SECTIONS THAT ARE EXCAVATED AND BACKFILLED THE SAME DAY.

DRAWING NOTES

- 01 MATCH EXISTING GRADES AT PROPERTY LINE AND LIMITS OF WORK.
- 02 ANY DISTURBED AREA WITHIN THE RIGHT-OF-WAY SHALL BE REINSTATED TO EQUAL OR BETTER CONDITION TO THE SATISFACTION OF THE CITY OF OTTAWA.
- 03 TOP OF BANK, PROVIDE MAXIMUM 4:1 SLOPE TO TIE INTO EXISTING / PROPOSED GRADES.
- 04 TWISI AS PER CITY STANDARDS.
- 05 EXISTING LIGHT STANDARD TO BE PROTECTED DURING CONSTRUCTION.
- 06 CONSTRUCT SIDEWALK AS PER CITY OF OTTAWA STANDARD DETAIL SC4 & SC5. PROVIDE MAXIMUM SLOPE OF 2.0% .INSTALL REINFORCING MESH 150x150mm M20, 10MM S, THROUGHOUT NEW SIDEWALK. STOP WIRE MESH AT EXPANSION JOINTS.
- 07 CONSTRUCT CONCRETE BARRIER / DEPRESSED CURB AS PER CITY OF OTTAWA STANDARD DETAIL SC1 - 1.
- 08 SAW CUT INTO EXISTING ASPHALT AS PER DETAIL SC/3. MATCH EXISTING PAVEMENT AND GRANULAR STRUCTURE.
- 09 NEW ACCESSIBLE PARKING ACCESS RAMP. PROVIDE MAXIMUM 8% SLOPE.
- 10 CONSTRUCT NEW SWALE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD DETAIL DRAWING S22 (WITH HDPE PERFORATED PIPE) .
- 11 CONSTRUCT PADS FOR GARBAGE STORAGE / BIKE RACKS & NEW TRANSFORMER.
- 12 CONSTRUCT SIDEWALK AND CURB AS PER CITY OF OTTAWA DETAIL SC1.4 CONSTRUCT EXPANSION JOINTS AS PER CITY OF OTTAWA DETAIL SC5.
- 13 PROVIDE RISERS AND ADJUSTMENT UNITS OVER EXISTING 1200mm DIAMETER SANITARY MANHOLE TO BRING TO FINISHED GRADE. TOP OF STRUCTURE CONCRETE AT APPROXIMATELY 97.15. FINISHED GRADE AT 98.38. PROVIDE NEW FRAME AND GRATE AS PER CITY OF OTTAWA DETAIL S25 AND S24.1. PARGE AND PROVIDE WATER TIGHT CONNECTION.
- 14 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.

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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 INCOMPATENCY, THE MORE STRINGENT REQUIREMENTS SHALL APPLY.
6. CONTRACTOR RESPONSIBLE FOR OBTAINING ALL REQUIRED UTILITIES, DATA, PERMITS, INSPECTIONS, PERMITS, AND APPROVALS, INCLUDING ALL ASSOCIATED COSTS. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY AND BASED ON BEST AVAILABLE INFORMATION.
7. IN THE EVENT THAT EXCAVATION IS REQUIRED ON THE CITY OF OTTAWA ROAD OR ADJACENT PROPERTY, CONTRACTOR IS RESPONSIBLE TO ENSURE ADDITIONAL PERMIT AND/OR PERMISSION



**OTTAWA
CATHOLIC
SCHOOL BOARD**

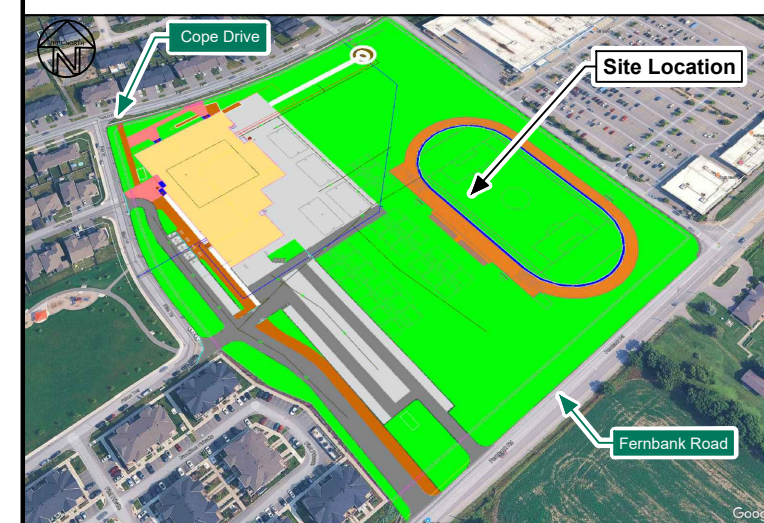


JP2g Consultants Inc.

ENGINEERS • PLANNERS • PROJECT MANAGERS

<p>12 INTERNATIONAL DR. PEMBROKE, ON, K8A 6W5 T: 613-735-2507 PEMBROKE@JP2G.COM</p>	<p>1150 MORRISON DR. #410 OTTAWA, ON, K2H 8S9 T: 613-828-7800 OTTAWA@JP2G.COM</p>	<p>16 EDWARD ST. S. #211 ARNPRIOR, ON, K7S 3W4 T: 613-626-0780 ARNPRIOR@JP2G.COM</p>
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JP2g PROJECT No.: 24-S050A



NOT FOR
CONSTRUCTION

2	ISSUED FOR SITE PLAN CONTROL	2025-10-23
1	ISSUED FOR PHASE 2 PRE-CONSULTATION APPLICATION	2025-09-05
No.	DESCRIPTION	YYYY-MM-DD


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

1. DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL AND LANDSCAPE DRAWINGS.
2. 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 EXISTING SURVEYING DATA. THE LOCATION AND ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE LOCATION AND EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM DURING THE COURSE OF CONSTRUCTION. THE LOCATION 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 SERVED BY A LICENSED PROFESSIONAL ENGINEER EXPOSED PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING UTILITIES REQUIRED BY THE DEVELOPMENT OF SUBJECT LANDS IS TO BE UNDERTAKEN AT CONTRACTOR'S EXPENSE.
- ALL TRENCHING AND EXCAVATIONS TO BE IN ACCORDANCE WITH THE LATEST REVISIONS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND THE REGULATIONS FOR CONSTRUCTION PROJECTS AND AS PER THE RECOMMENDATIONS INCLUDED IN THE GEOTECHNICAL REPORT.
- REFER TO ARCHITECTS PLANS FOR BUILDING DIMENSIONS, LAYOUT AND REMOVALS. REFER TO LANDSCAPE PLAN FOR THE LOCATION AND SAFETY OF EXISTING TREES. ALL INFORMATION, ALL INFORMATION SHALL BE CONFIRMED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- TOPOGRAPHIC SURVEY AND PROPERTY BOUNDARY INFORMATION TO BE OBTAINED FROM THE CANADIAN LAND INFORMATION SYSTEM (CLIS) AT: www.csis.gc.ca (O.SULLIVAN, VOLLEBEKE LTD. JOB NO.: 23493-23 OC8B B16368 PHM-667 OF, DATED JULY 13, 2023). CONTRACTOR TO VERIFY THE FIELD DATA WITH THE CLIS DATA. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS. VERIFY THAT JOB BENCHMARKS HAVE NOT BEEN ALTERED OR DISTURBED.
- ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS. WHERE APPROPRIATE, SWALE OR CATCH BASIN OUTLETS ARE PROVIDED.
- ALL EDGES OF DISTURBED PAVED SHALL BE SAW CUT TO FORM A NEAT AND STRAIGHT LINE PRIOR TO PLACING THE FINISH PAVEMENT. PAVED AREAS SHALL BE SAW CUT WITH STEP JOINTS OF 500mm WIDTH MINIMUM.
- ALL DISTURBED AREAS OUTSIDE PROPOSED GRADING LIMITS TO BE RESTORED TO ORIGINAL ELEVATIONS AND SLOPES. ALL RESTORATION SHALL BE COMPLETED WITH THE NECESSARY MATERIALS AND 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 ALL CONSTRUCTION ACTIVITIES.
- EXCAVATE AND REMOVE ALL ORGANIC MATERIAL AND DEBRIS LOCATED WITHIN THE PROPOSED BUILDING, DRIVEWAY, DRIVE AND PAVED AREAS. ALL EXCESS SOIL, MANAGEMENT, TRENCHING AND DISPOSAL. MUST COMPLY WITH CURRENT O.P. 406/18. ALL ASSOCIATED COSTS ARE TO BE BORNE BY THE CONTRACTOR.
- AT PROPOSED UTILITY CONNECTION POINTS AND CROSSINGS (IE. STORM SEWER, SANITARY SEWER, WATER, ETC.) THE CONTRACTOR SHALL DETERMINE THE PRECISE LOCATION AND DEPTH OF EXISTING UTILITIES. IF ANY DISCREPANCIES OR CONFLICTS TO THE ENGINEER BEFORE COMMENCING WORK.
- CONTRACTOR TO OBTAIN A CONSTRUCTION TOPOGRAPHIC SURVEY, COMPLETED BY OLS OR P ENG CONFIRMING COMPLIANCE WITH DESIGN GRADING AND ELEVATIONS. THE SURVEY TO INCLUDE LOCATION AND INVERTS FOR BURIED UTILITIES.
- ABIDE BY RECOMMENDATIONS OF GEOTECHNICAL REPORT. REPORT ANY VARIATIONS IN OBSERVED CONDITIONS FROM REPORT AND INVERT REPORT.
- REPORT REFERENCES:
GEOTECHNICAL INVESTIGATION
FERNBANK CATHOLIC HIGH SCHOOL,
5431 FERNBANK ROAD, OTTAWA, ONTARIO
PREPARED BY EXC. PROJECT NO.: OTT-2300431-19
DATED JANUARY 20, 2024
- PROVIDE CCTV INSPECTION REPORT FOR ALL SEWERS AND CATCHBASIN LEADS 200mm DIAMETER AND LARGER. PROVIDE A DESCRIPTION FOLLOWING RECTIFICATION OF ANY DEFICIENCIES.

1. ALL SANITARY SEWER, SANITARY SEWER APPURTENANCES AND CONSTRUCTION METHODS SHALL CONFORM TO THE PRESENT CITY OF OTTAWA STANDARD SPECIFICATIONS. PROVIDE CITY INSPECTION REPORTS FOR ALL NEW SANITARY PIPE. PROVIDE DYE TESTING FOR NEW SERVICES.
2. SANITARY SEWER PIPE SIZE: 150mm DIAMETER AND GREATER TO BE PVC SDR-35 (UNLESS SPECIFIED OTHERWISE) WITH RUBBER GASKET JOINTS IN CONFORMANCE WITH CBA-182.2.3.4.
3. SEWER BEDDING AS PER CITY OF OTTAWA DETAIL S6.
4. ALL SANITARY MANHOLES 1200mm in DIAMETER TO BE AS PER OSPD 701.01. FRAME AND COVER TO BE AS PER CITY OF OTTAWA STANDARD S25 AND S24.
5. MAINTENANCE HOLE BENCHING AND PIPE OPENING ALTERNATIVES AS PER THE OSPD 701.021
6. ALL SANITARY SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION TO MEET CITY OF OTTAWA STANDARD S30, AS APPROVED BY THE ENGINEER.

1. ALL STORM SEWER MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO THE CURRENT CITY OF CHICAGO STANDARD SPECIFICATIONS AND THE LATEST INSPECTION REPORTS FOR ALL NEW STORM SEWERS, MANHOLES AND CATCHBASINS.
2. STORM SEWERS 375mm DIAMETER AND SMALLER SHALL BE PVC SDR-35, WITH RUBBER GASKET PER CSA A257.3.
3. STORM SEWERS 450mm AND LARGER SHALL BE REINFORCED CONCRETE CLASS 10.
4. ALL SEWER RECORDS AS PER CITY STANDARD DATA SHEET 56.
5. ALL STORM MANHOLES TO BE AS PER MANHOLE AND CATCHBASIN SCHEDULE.
6. ANY NEW OR EXISTING STORM SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PER CITY STANDARD SPECIFICATIONS OR APPROVED BY THE ENGINEER.
7. CB IN LANDSCAPE AREAS SHALL BE AS PER CITY OF CHICAGO STANDARD SPECIFICATIONS.
8. ALL CATCHBASIN LEADS SHALL BE MINIMUM 200mm DIAMETER AT MINIMUM 1:0 SLOPE UNLESS OTHERWISE SPECIFIED.
9. STORM CATCHBASINS AS PER OSD8 705.010 AND FRAMECOVER AS PER CITY STANDARD DRAWINGS AND SPECIFICATIONS. ALL STORM CATCHBASINS SHALL BE PER CITY STANDARD ADJUSTMENT SECTIONS SHALL BE AS PER OSD8 704.010.
10. INSTALLATION OF FLOW CONTROL ICDS TO BE VERIFIED BY QUALIFIED CIVIL ENGINEER RETAINED BY CONTRACTOR.

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

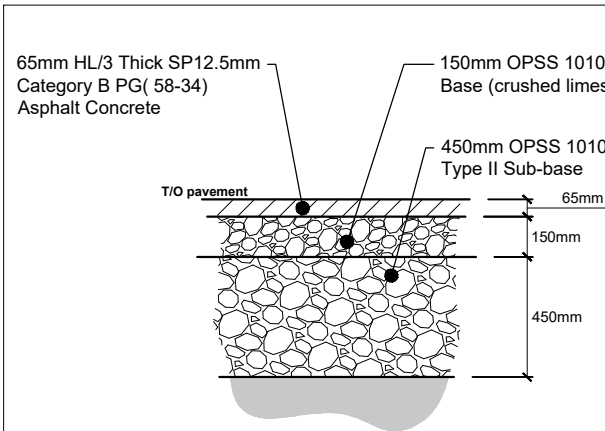
- PRIOR TO START OF CONSTRUCTION:
- 1.1. INSTALL SILT FENCE IN LOCATION SHOWN ON DWG C4.
- 1.2. INSTALL FILTER FABRIC OR SILT SACK FILTERS IN ALL THE CATCHBASINS AND MANHOLES TO REMAIN DURING CONSTRUCTION WITHIN THE DISTURBED AREA (SEE TYPE DETAIL).
- 1.3. INSPECT MEASURES IMMEDIATELY AFTER INSTALLATION.
2. DURING CONSTRUCTION:
- 2.1. MINIMIZE THE EXTENT OF DISTURBED AREAS AND THE DURATION OF EXPOSURE AND IMPACTS TO EXISTING GRADING.
- 2.2. PROVIDE VEGETATION PROTECTION AND PLACE IN PLACE PERMANENT STORM WATER MANAGEMENT IS IN PLACE. OTHERWISE, IMMEDIATELY INSTALL SILT FENCE WHEN THE EXISTING SITE IS DISCLOSED TO THE PUBLIC.
- 2.3. PROTECT DISTURBED AREAS FROM OVERLAND FLOW BY PROVIDING TEMPORARY SWALES TO THE SATISFACTION OF THE FIELD ENGINEER. TIE-IN TEMPORARY SWALE TO EXISTING C&S AS REQUIRED.
- 2.4. PROVIDE TEMPORARY COVER SUCH AS SEEDING OR MULCHING DISTURBED AREA WILL NOT BE REHABILITATED WITHIN 30 DAYS.
- 2.5. INSPECT SILT FENCES, FILTER FABRIC FILTERS AND CATCH BASINS WEEKLY AND WITHIN 24 HOURS AFTER A STORM EVENT. REPAIR WHEN NECESSARY.
- 2.6. DRAWING TO BE REVIEWED AND REVISED AS REQUIRED DURING CONSTRUCTION.
- 2.7. EROSION CONTROL FENCES TO BE ALSO INSTALLED AROUND THE BASE OF ALL STOCKPILES.
- 2.8. DO NOT LOCATE TOPSOIL PILES AND EXCAVATION MATERIAL WITHIN 25m OF ANY EXISTING SURFACE OR ONE WHICH IS TO BE PAVED BEFORE THE PILE IS REMOVED. ALL TOPSOIL PILE ARE TO BE SEED IF THEY ARE TO REMAIN ON SITE LONG ENOUGH FOR SEEDS TO GROW (LONGER THAN 30 DAYS).
- 2.9. 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).
- 2.10. NO ALTERNATE METHODS OF EROSION PROTECTION SHALL BE USED UNLESS APPROVED BY THE ENGINEER.
- 2.11. CITY OF OTTAWA ROADWAY AND SIDEWALK TO BE CLEANED OF ALL SEDIMENT FROM VEHICULAR TRACKING AS REQUIRED.
- 2.12. DURING WET CONDITIONS, TIRES OF ALL VEHICLES/EQUIPMENT LEAVING THE SITE ARE TO BE SCRAPED.
- 2.13. ANY MUD/MATERIAL TRACKED ONTO THE ROAD SHALL BE CLEANED UP IMMEDIATELY BY THE DRIVER OR TRAILER CLOSER.
- 2.14. TAKE ALL NECESSARY STEPS TO PREVENT BUILDUP MATERIAL, CONSTRUCTION DEBRIS OR WASTE BEING SPILLED OR TRACKED ONTO ABUTTING PROPERTIES OR PUBLIC STREETS DURING CONSTRUCTION AND PROCEED IMMEDIATELY TO CLEAN UP ANY AREAS SO AFFECTED.
- 2.15. 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.
- 2.16. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES, TO PROVIDE FOR PROTECTION OF THE AREA DURING THE PERIOD OF CONSTRUCTION. THE CONTRACTOR SHALL DURING CONSTRUCTION ACTIVITIES. THE CONTRACTOR ACKNOWLEDGE THAT FAILURE TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO THE PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.

4. ALL WATERMAIN AND WATERMAIN APPURTENANCES, MATERIALS, CONSTRUCTION AND TESTING METHODS SHALL CONFORM TO THE PRESCRIBED CITY OF OTTAWA AND MINISTRY OF ENVIRONMENT STANDARDS AND SPECIFICATIONS.
5. ALL WATERMAIN 300mm DIAMETER AND SMALLER TO BE UNK. GRI. (RICH) CLASS 150 R10 18 MEETING AWWA SPECIFICATION C900.
6. ALL WATERMAIN TO BE INSTALLED AT MINIMUM COVER OF 2.4m BELOW FINISHED GRADE. WHERE WATERMANS CROSS OVER OTHER UTILITY AT A MINIMUM 0.50m CLEARANCE SHALL BE MAINTAINED WHERE WATERMANS CROSS UNDER OTHER UTILITIES. A MINIMUM 0.50m CLEARANCE SHALL BE MAINTAINED WHERE THE MINIMUM COVER IS NOT MAINTAINED.
7. ALL WATERMANS SHALL BE INSTALLED AS PER CITY OF OTTAWA STANDARDS W25 AND W23.2. WHERE 2.4m MINIMUM COVER CANNOT BE MAINTAINED, THE MINIMUM COVER SHALL BE PROVIDED AS PER CITY OF OTTAWA STANDARD W23. WHERE A WATERMAIN IS IN CLOSE PROXIMITY TO AN EXISTING STRUCTURE, THE MINIMUM COVER SHALL BE PROVIDED AS PER CITY OF OTTAWA STANDARD W23.
8. CONCRETE THRUST BLOCKS AND MECHANICAL RESTRAINTS ARE TO BE INSTALLED AT ALL TEES, BENDS, OR RIGID RESTRAINTS. THE MINIMUM SPACING BETWEEN CONNECTIONS 100mm and LARGER. IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS W23 & W25.4.

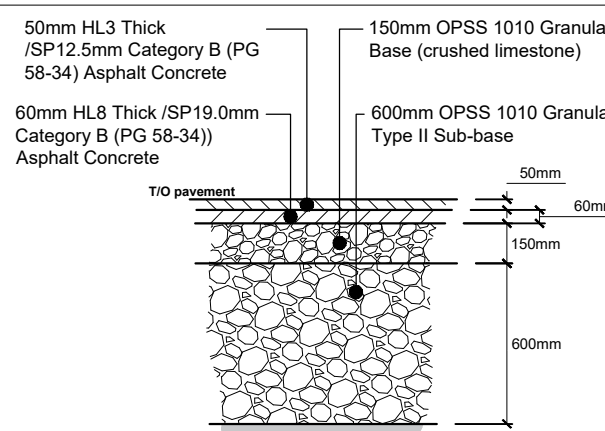
1. EXCAVATE AND REMOVE ALL ORGANIC MATERIAL AND DEBRIS LOCATED WITHIN THE PROPOSED BUILDING, FOUNDATION, PAVED AREAS, SUBURRANS AND SEWING TRENCHES. EXCESS MATERIAL REMOVAL FROM SITE SHALL FOLLOW THE GEOTECHNICAL AND ENVIRONMENTAL ENGINEER'S RECOMMENDATIONS.
2. CONTRACTOR TO STOCKPILE UN-USEABLE FILL TO BE REMOVED FROM SITE TO ALLOW THE GEOTECHNICAL ENGINEER IN 10 DAYS TO INSPECT THE MATERIALS AND TO DISPOSE THE GUIDANCE TO BE PROVIDED BY THE GEOTECHNICAL EROSION CONTROL MEASURE ARE TO BE APPLIED TO STOCKPILE AREA. EXCESS MATERIALS SHALL BE DISPOSED AS PER THE REQUIREMENTS OF OFSS 180.
3. IF CONTAMINATION HAZARDOUS MATERIAL IS SUSPECTED DURING THE CONSTRUCTION OF THE PROPOSED WORKS, THE CONTRACTOR MUST NOTIFY THE PROPERTY OWNER(S), PROJECT LEADER, PRIME CONSULTANT, AND THE ENVIRONMENTAL ENGINEER IMMEDIATELY. THE HOW TO PROCEED ACCORDING TO FEDERAL AND PROVINCIAL LEGISLATION. THE GEOTECHNICAL ENGINEER UNDER THE GUIDANCE OF A QUALIFIED PERSON (AS NEEDED) IF ADDITIONAL SAMPLING (INCLUDING LEACHATE TESTING) IS REQUIRED TO MEET THE MINIMUM SAMPLING PROVISIONS UNDER OREGON REG. 330-010 (AS AMENDED).
4. EXCESS SOIL MANAGEMENT, TESTING AND DISPOSAL MUST COMPLY WITH OREG. 406-019.
5. ALL SOIL HAULAGE RECORDS SHALL BE KEPT ON SITE AND PROVIDED BY THE CONTRACTOR AND SUBMITTED TO THE CONSULTANT.
6. ALL EXCESS MATERIAL TO BE HAULED OFFSITE AND DISPOSED AT AN APPROVED DUMP SITE BY CONTRACTOR.

1. CONTRACTOR TO REINSTATE ROAD CUTS AS PER CITY OF OTTAWA
DETAIL R10.
2. CONTRACTOR TO PREPARE SUBGRADE INCLUDING PROCESSIONING

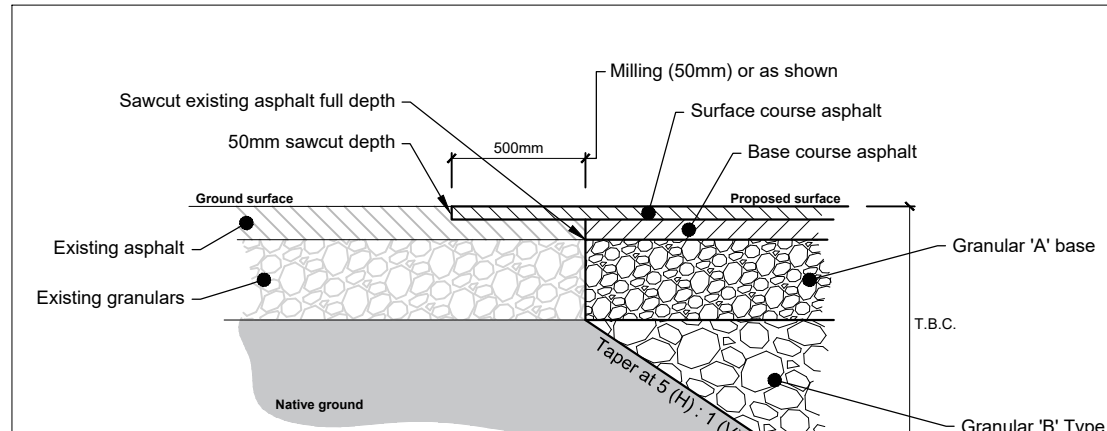
- TO THE COMMENCEMENT OF PLACEMENT OF GRANULAR B MATERIAL.
- FILL TO BE PLACED AND COMPACTED PER THE GEOTECHNICAL REPORT REQUIREMENTS.
- CONTRACTOR TO SUPPLY, PLACE AND COMPACT GRANULAR B MATERIAL IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL CONSULTANT. CONTRACTOR TO PROVIDE CONSULTANT 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 PHOTO 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 **Pavement Structure for Light Duty Traffic**
C3 Scale: As shown



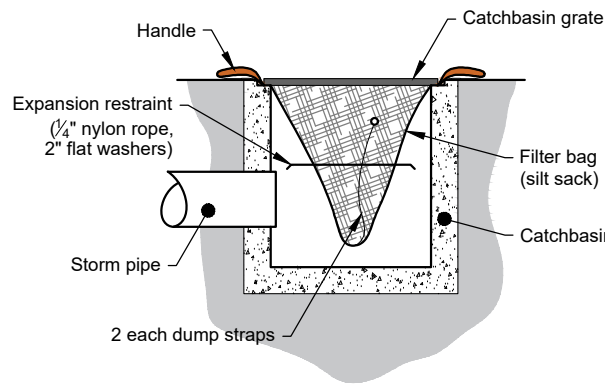
2 **Pavement Structure for Heavy Duty Traffic**
C3 Scale: As shown



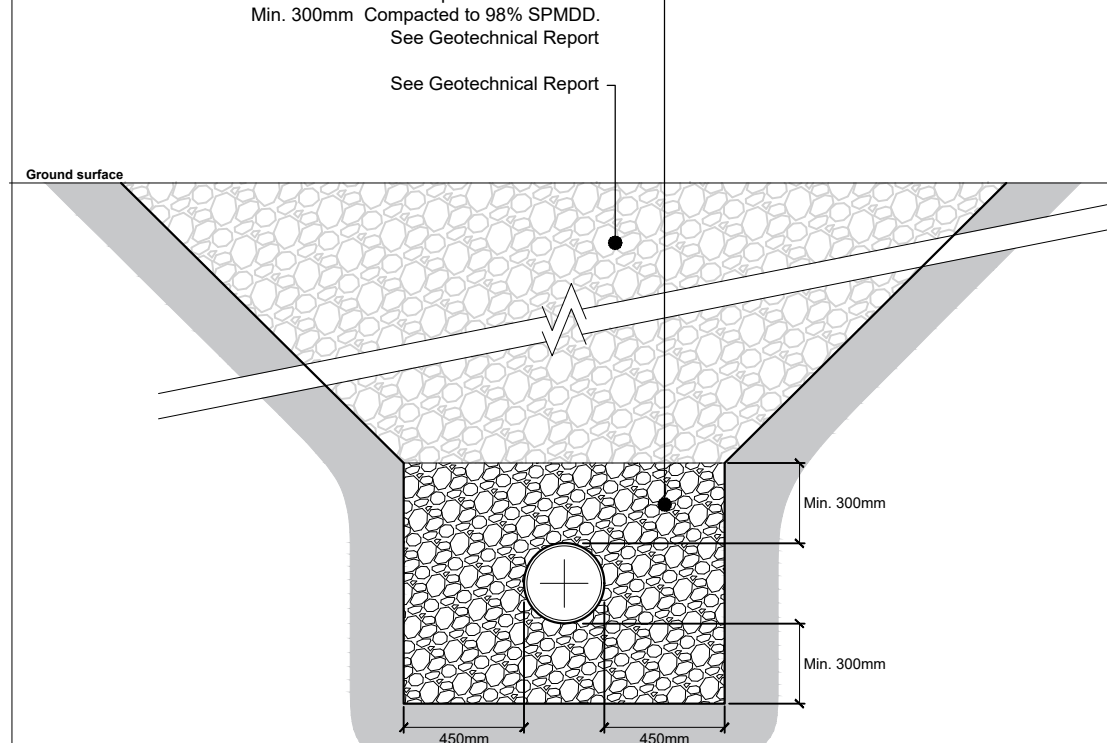
3 Key Joint Detail
C3 Scale: As shown

1. CONTRACTOR RESPONSIBLE TO:

- 1.1. OBTAIN A VIDEO INSPECTION OF THE CITY SEWER SYSTEM WITHIN ATLAS TERRACE AND COPE DRIVE TO DETERMINE THE CONDITION OF THE EXISTING CITY SEWER SYSTEM PRIOR TO CONSTRUCTION OF THE LANDS AND TO PROVIDE SAID VIDEO INSPECTION TO GENERAL MANAGER, PLANNING, DEVELOPMENT AND BUSINESS SERVICES.
2. UPON COMPLETION OF CONSTRUCTION ON THE LANDS, THE CONTRACTOR SHALL, AT ITS EXPENSE AND TO THE SATISFACTION OF THE GENERAL MANAGER, PLANNING, DEVELOPMENT AND BUSINESS SERVICES:
- 2.1. 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 ALL LIABILITY FOR ANY DAMAGES CAUSED BY THE CITY SEWER SYSTEM WITHIN ATLAS TERRACE AND COPE DRIVE SHALL BE COMPENSATED BY THE CITY FOR THE FULL AMOUNT OF ANY REQUIRED REPAIRS TO THE CITY SEWER SYSTEM.



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



5 Standard Trench Detail
C3 Scale: As shown

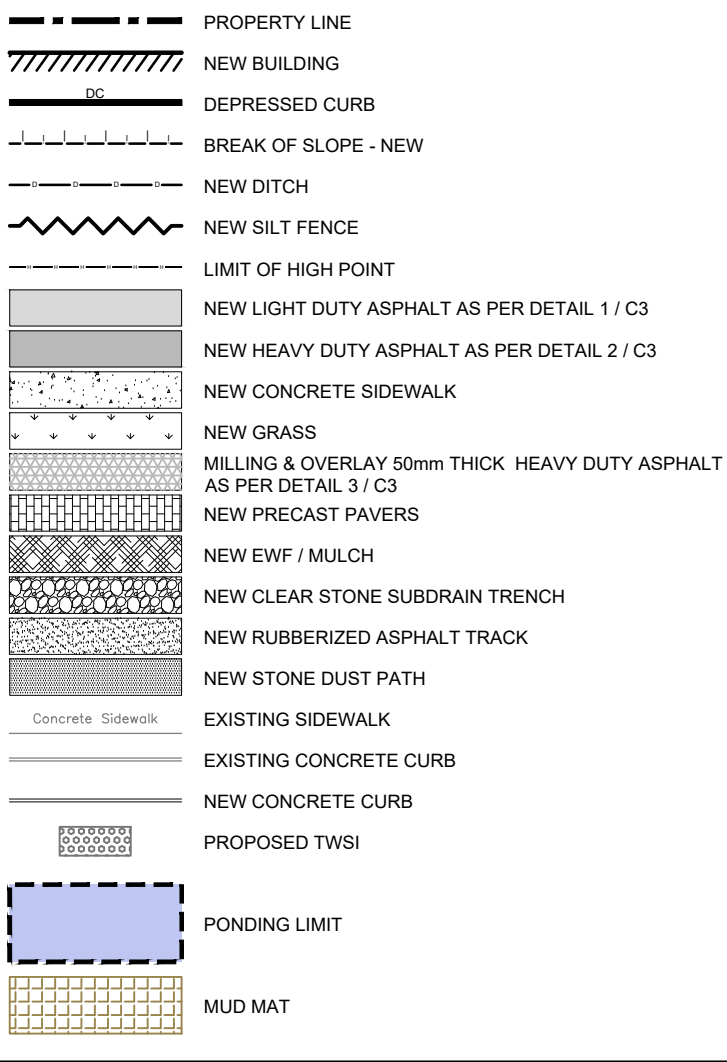
NEW STORM SEWER STRUCTURE SCHEDULE					
MANHOLE NO.	DESCRIPTION	T/GRATE ELEVATION	INVERT ELEVATION / PIPE DIAMETER	OPSD No.	FRAME (CITY OF OTTAWA)
CB-1	600x600mm Catchbasin	99.00	SE INV.: 97.92 - 250mmØ	705.010	S19
CB-2	600x600mm Catchbasin	99.20	NW INV.: 97.99 - 250mmØ	705.010	S19
CB-3	600x600mm Catchbasin	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 - 250mmØ	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.: 97.09 - 375mmØ NE INV.: 95.62 - 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

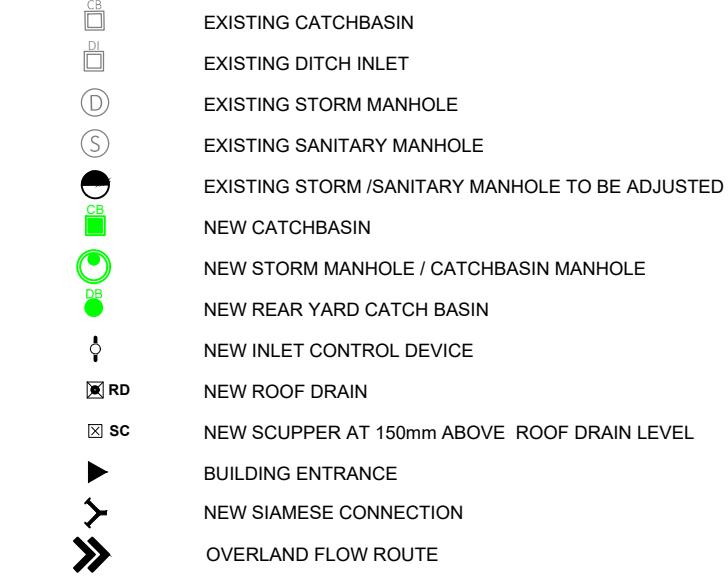
EROSION AND SEDIMENT CONTROL NOTES

- "* CONTRACTOR IS RESPONSIBLE FOR ALL INSTALLATION, MONITORING, REPAIR AND REMOVAL OF ALL EROSION AND SEDIMENT CONTROL FEATURES."**
- PRIOR TO START OF CONSTRUCTION:
 - INSTALL SILT FENCE IN LOCATION SHOWN ON DRAWINGS.
 - INSTALL FILTER FABRIC OR SILT SACK FILTERS IN ALL THE CATCHBASINS AND MANHOLES TO REMAIN DURING CONSTRUCTION WITHIN THE SITE (SEE TYPICAL DETAIL).
 - INSPECT MEASURES IMMEDIATELY AFTER INSTALLATION.
 - DURING CONSTRUCTION:
 - MINIMIZE THE EXTENT OF DISTURBED AREAS AND THE DURATION OF EXPOSURE AND IMPACTS TO EXISTING GRADING.
 - PERIMETER VEGETATION TO REMAIN IN PLACE UNTIL PERMANENT STORM WATER MANAGEMENT IS IN PLACE. OTHERWISE, IMMEDIATELY INSTALL SILT FENCE WHEN THE EXISTING SITE IS DISTURBED AT THE PERIMETER.
 - PROTECT DISTURBED AREAS FROM OVERLAND FLOW BY PROVIDING TEMPORARY SWALES TO THE SATISFACTION OF THE FIELD ENGINEER. TIE-IN TEMPORARY SWALE TO EXISTING 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 BASE OF ALL STOCKPILES.
 - DO NOT LOCATE TOPSOIL PILES AND EXCAVATION MATERIAL CLOSER THAN 2.5m FROM ANY PAVED SURFACE, OR ONE WHICH IS TO BE PAVED BEFORE THE PILE IS REMOVED. ALL TOPSOIL PILES ARE TO BE SEEDDED IF THEY ARE TO REMAIN ON SITE LONG ENOUGH FOR SEEDS TO GROW (LONGER THAN 30 DAYS).
 - CONTROL WIND-BLOWN DUST OFF SITE BY SEEDING TOPSOIL PILES AND OTHER AREAS TEMPORARILY (PROVIDE WATERING AS REQUIRED AND TO THE SATISFACTION OF THE ENGINEER).
 - NO ALTERNATE METHODS OF EROSION PROTECTION SHALL BE PERMITTED UNLESS APPROVED BY THE FIELD ENGINEER.
 - CITY OF OTTAWA ROADWAY AND SIDEWALK TO BE CLEANED OF ALL SEDIMENT FROM VEHICULAR TRACKING AS REQUIRED.
 - DURING WET CONDITIONS, TIRES OF ALL VEHICLES/EQUIPMENT LEAVING THE SITE ARE TO BE 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 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



LEGEND CONTINUED



ICD SCHEDULE

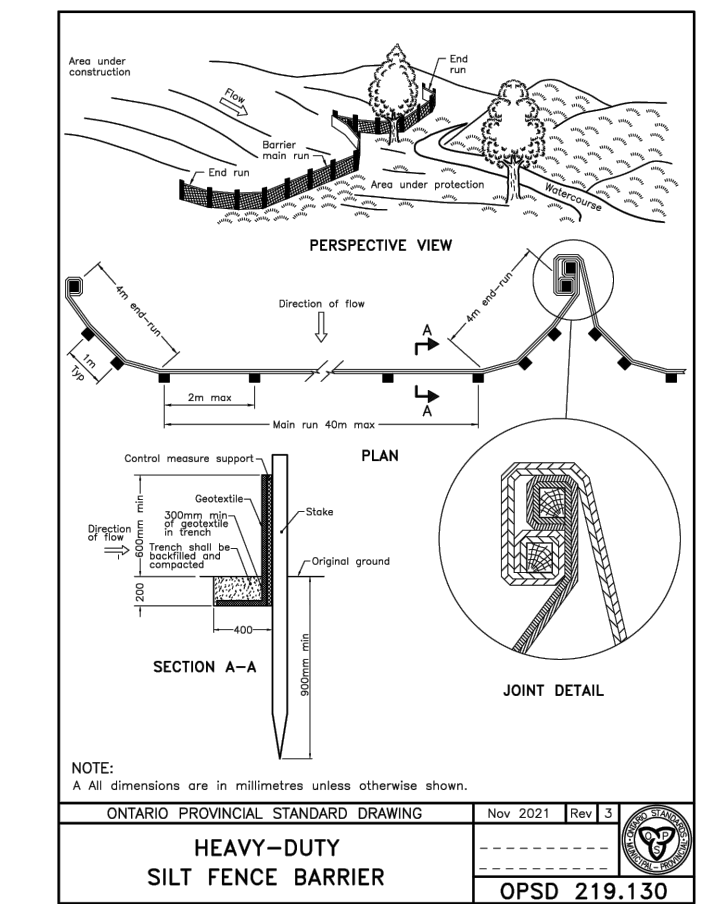
ICD	LOCATION	PIPE SIZE (mm)	ICD SIZE (mm)	100 YEAR HEAD (m)	100 YEAR FLOW RATE (l/s)
ICD-1	STMH-1	375	164	2.01	81.3
ICD-2	CBMH-4	375	172	1.97	88.3
ICD-3	CB-4	250	115	2.08	40.1
ICD-4	CBMH-5	375	101	1.89	30.0
ICD-5	CB-6	250	160	2.31	82.4
ICD-6	CB-7	250	115	2.77	46.4

DRAWING NOTES

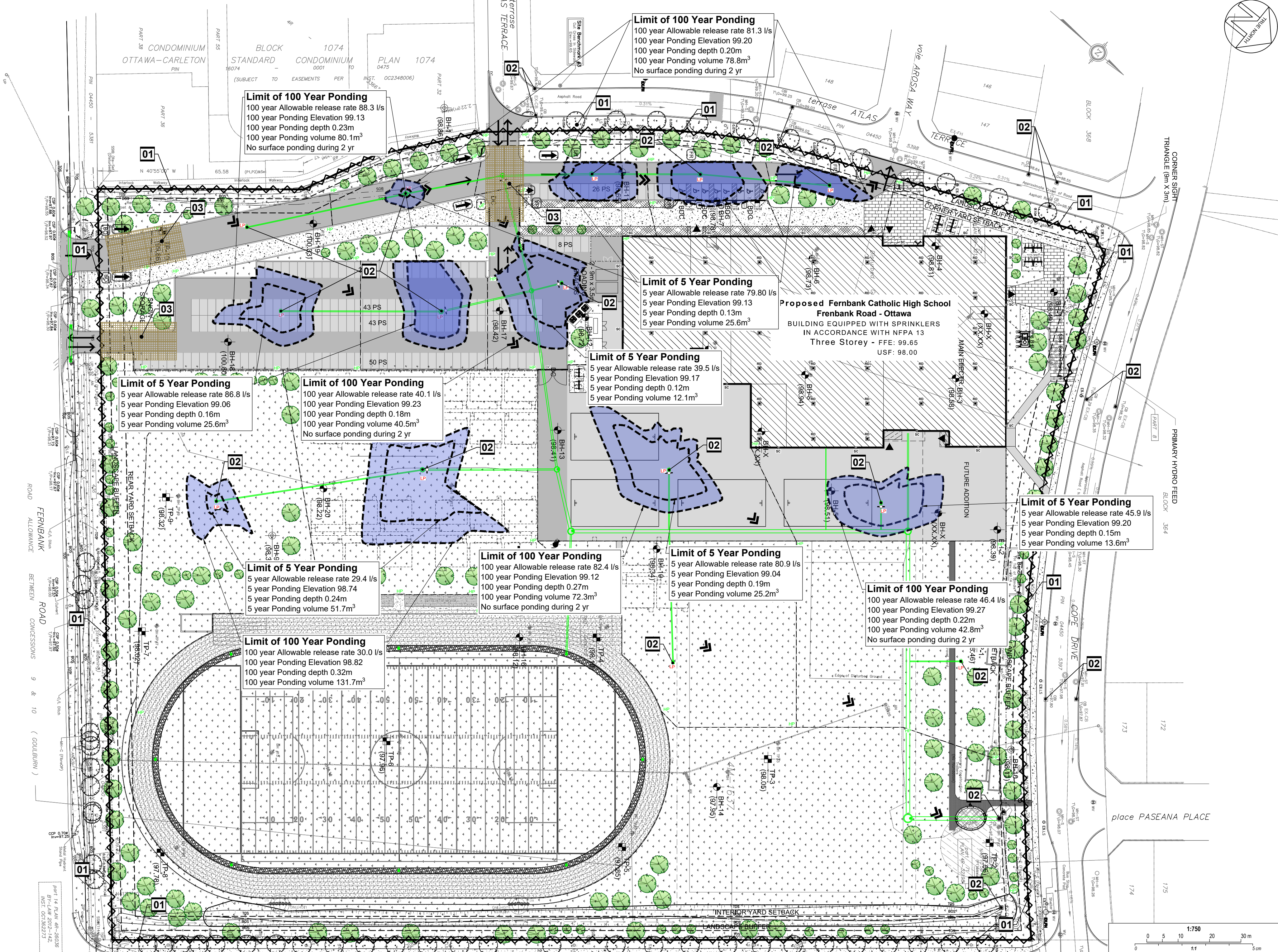
- INSTALL SILT FENCE IN ACCORDANCE WITH OPSD 219.130.
- INSTALL FILTER BAG (SILT SACK) TO PROTECT EXISTING CATCHBASINS & CATCHBASIN MANHOLES AS PER DETAIL 4/C3.
- PROPOSE MUD MAT DURING CONSTRUCTION.

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 STOCKPILING FOR REUSE.
- PREVENT SEDIMENTATION OF STORM SEWERS AND RECEIVING STREAMS.
- PREVENT AIR POLLUTION FROM DUST AND PARTICULATE MATTER.
- ALL STORM MANHOLES AND CATCHBASIN MANHOLES TO HAVE 300mm 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.



1 C4 Heavy Duty Silt Fence Barrier
Scale: Not to scale



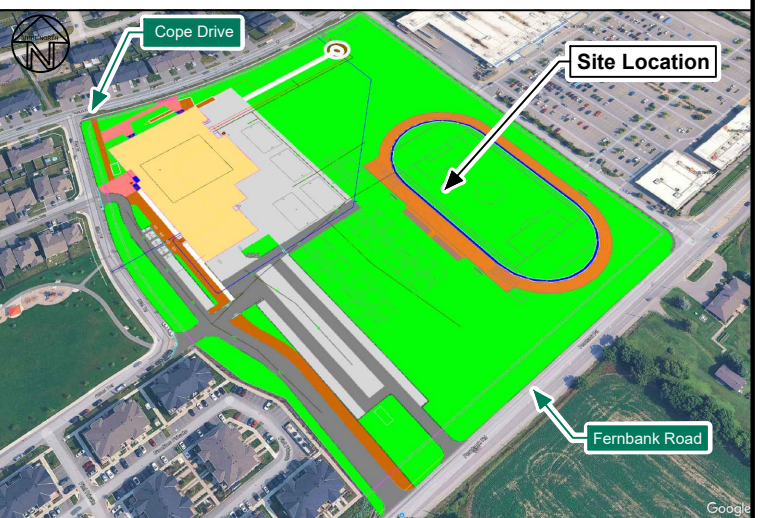
Jp2g Consultants Inc.
ENGINEERS • PLANNERS • PROJECT MANAGERS

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Jp2g PROJECT No: 24-5050A

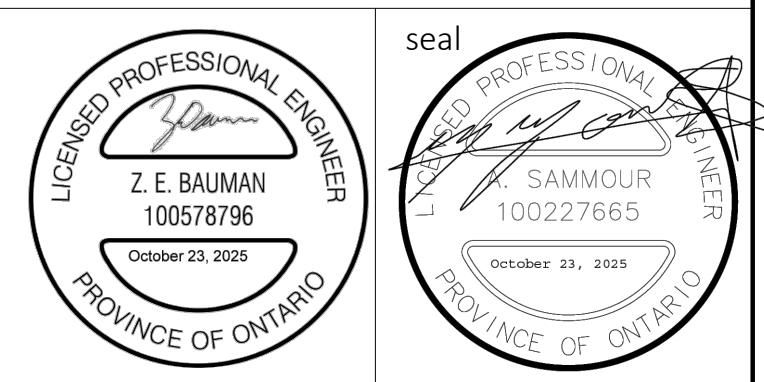


NOT FOR CONSTRUCTION

No.	DESCRIPTION	DATE
2	ISSUED FOR SITE PLAN CONTROL	2025-10-23
1	ISSUED FOR PHASE 2 PRE-CONSULTATION APPLICATION	2025-09-05
		YYYY-MM-DD

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



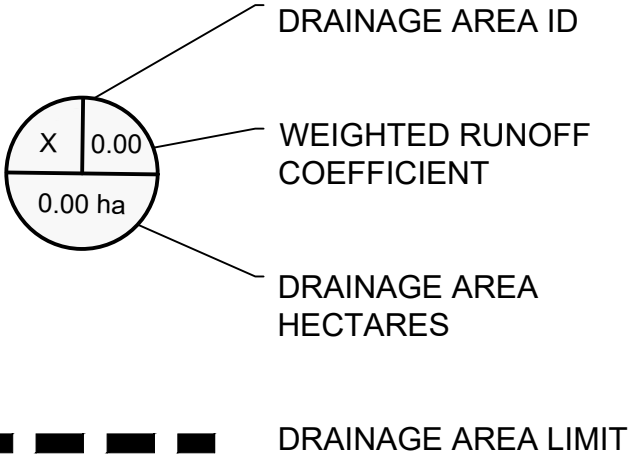
drawing title
Storm Water Management and Erosion Sediment Control Plan

scale As Shown	drawn by R.Ismail
date Sept.2025	checked by Z.Bauman / A.Sammour
project number 24-835	drawing number C4

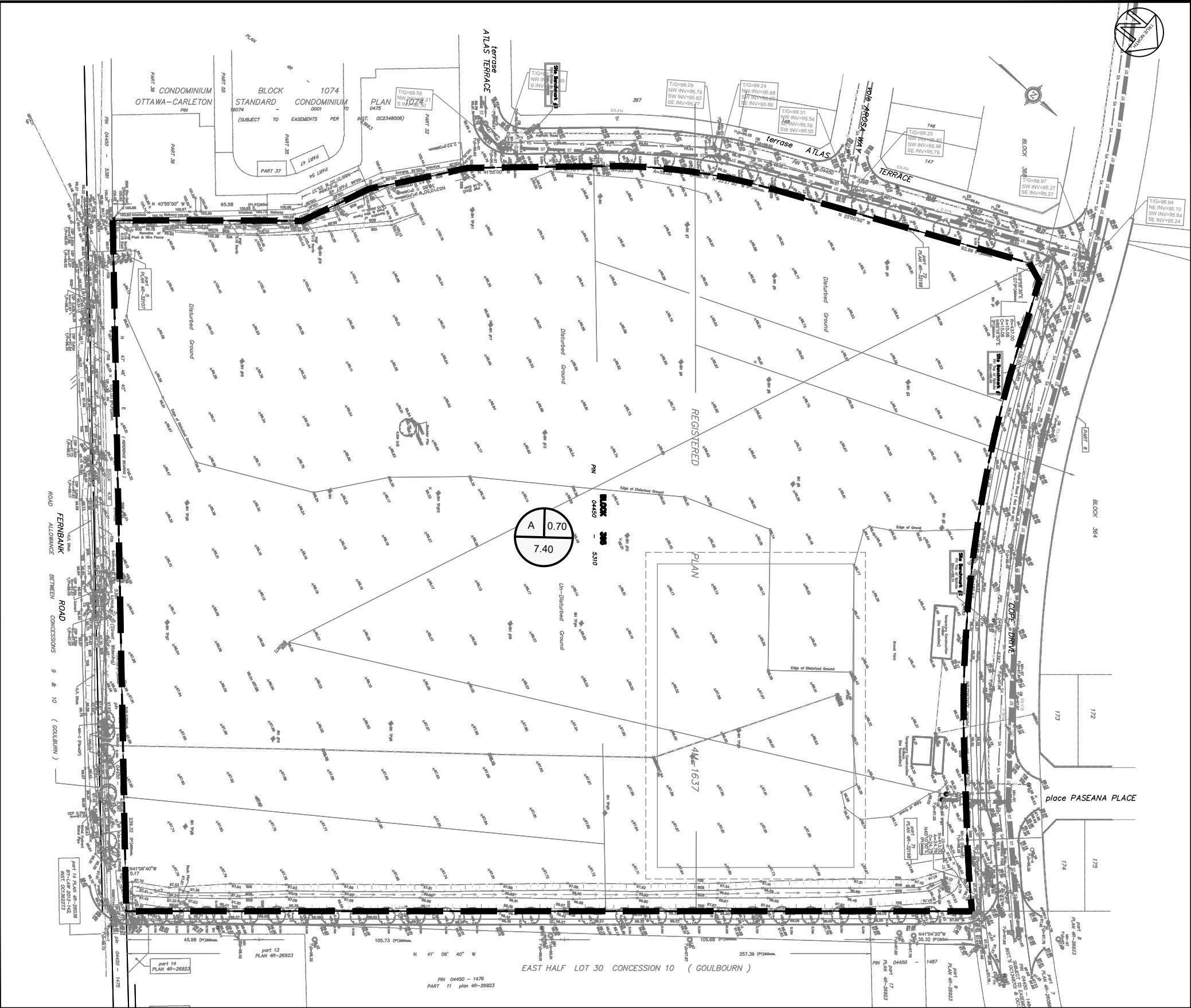
CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE WORK COMMENCES.
DO NOT SCALE DRAWINGS.

revision


LEGEND



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



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.:


DRAFTED: R.ISMAIL

DESIGNED: R.ISMAIL / Z.BAUMAN

REVIEWED: Z.BAUMAN

APPROVED: A.SAMMOUR

NORTH



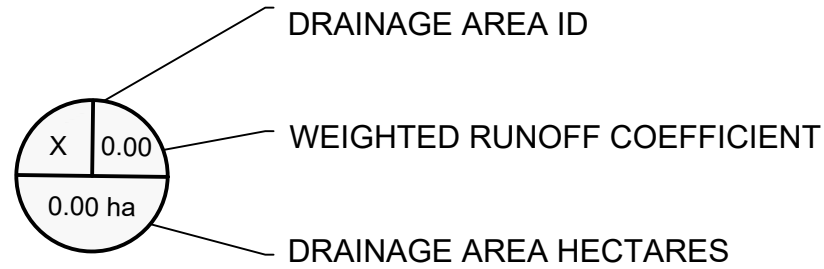
SCALE









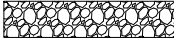
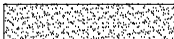



0 m 1:1,500 50 75 m

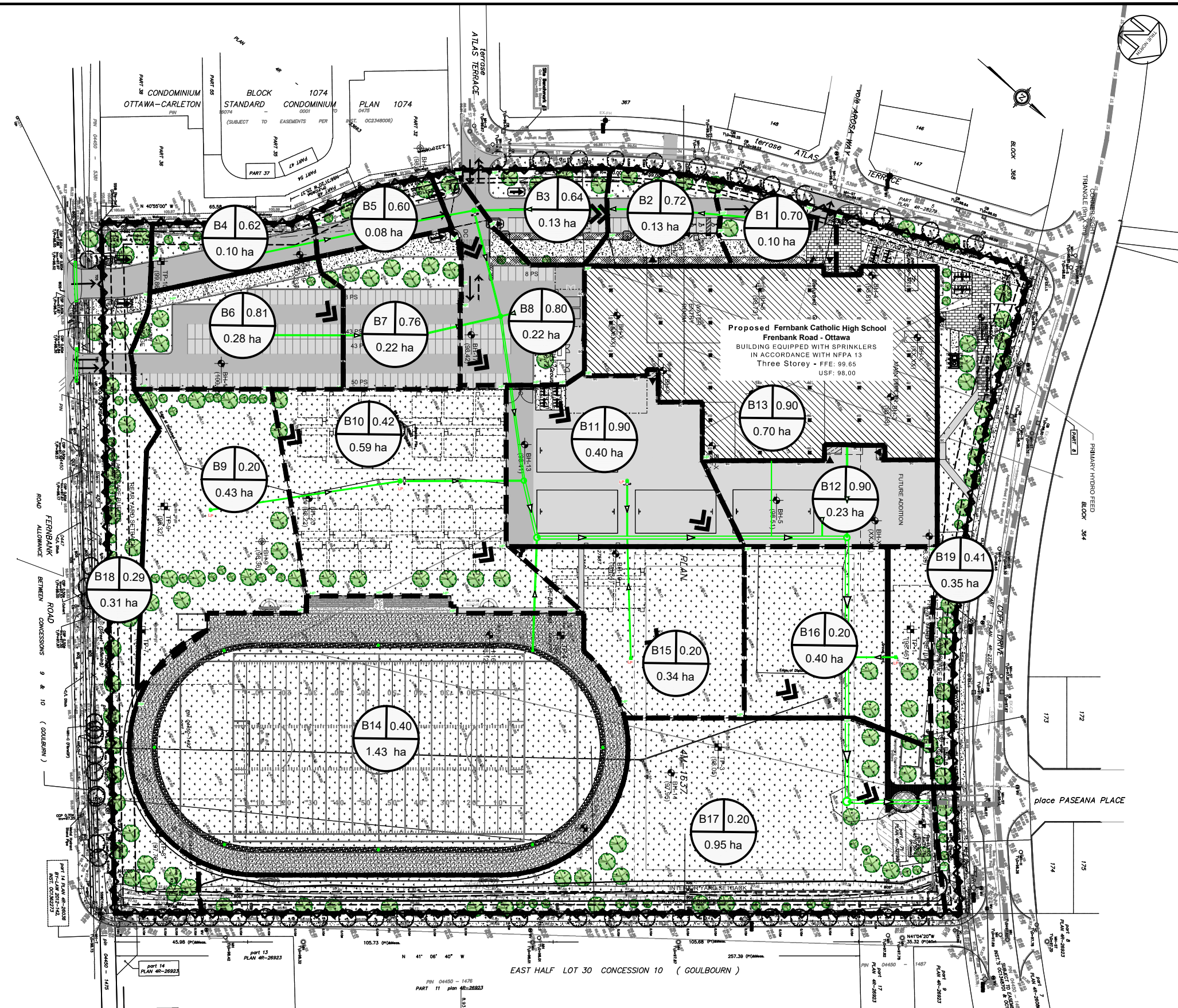
SHEET#

FIG.1

LEGEND



- | | |
|---|---------------------------------|
|  | DRAINAGE AREA LIMIT |
|  | 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 |



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-2
POST-DEVELOPMENT DRAINAGE AREAS

CLIENT No.:	
-------------	--

DRAFTED: R.ISMAIL

DESIGNED: R.ISMAIL / Z.BAUMAN

REVIEWED: Z. BAUMAN

APPROVED: A.SAMMOUR

	NORTH
--	-------



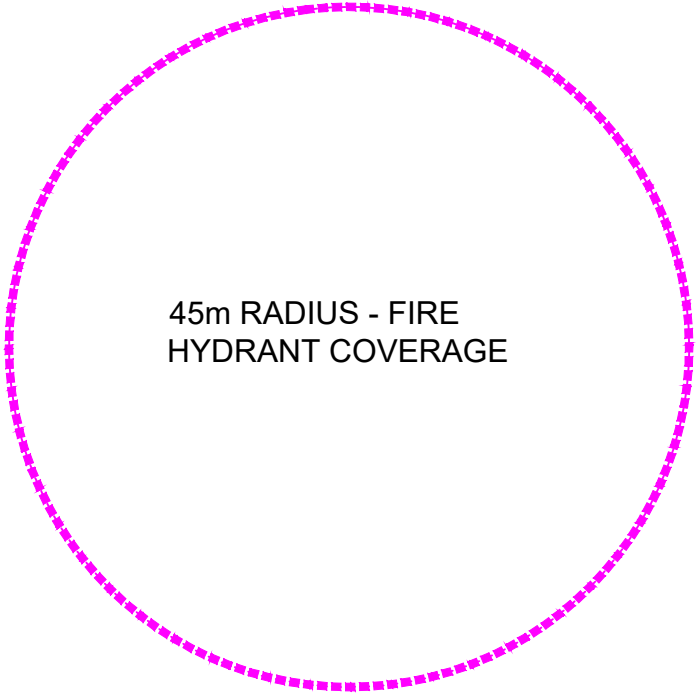
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SHEET#

FIG.2

LEGEND



45m RADIUS - FIRE
HYDRANT COVERAGE



EXISTING FIRE HYDRANT



EXISTING WATER VALVE



EXISTING WATER VALVE



NEW FIRE HYDRANT



NEW WATER VALVE



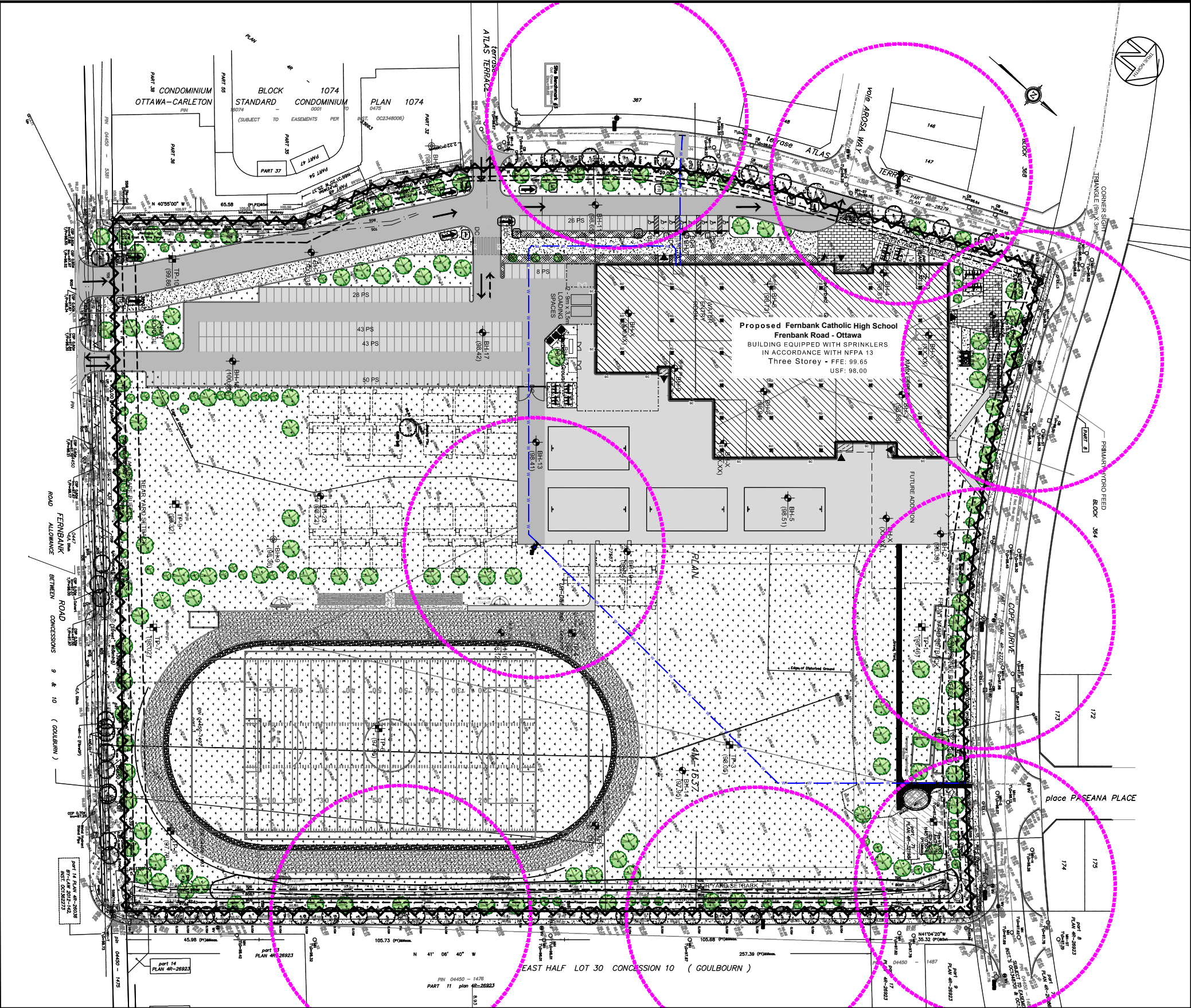
NEW WATERMAIN



NEW SIAMESE CONNECTION



NEW WATER CHAMBER



No.	YYYY-MM-DD	BY	DESCRIPTION
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-3
FIRE HYDRANT COVERAGE AREAS

CLIENT No.:

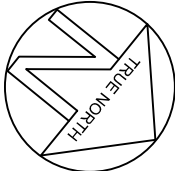
DRAFTED: R.ISMAIL

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