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CATHOLIC
SCHOOL BOARD

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Jp2g PROJECT No.: 24-5050A

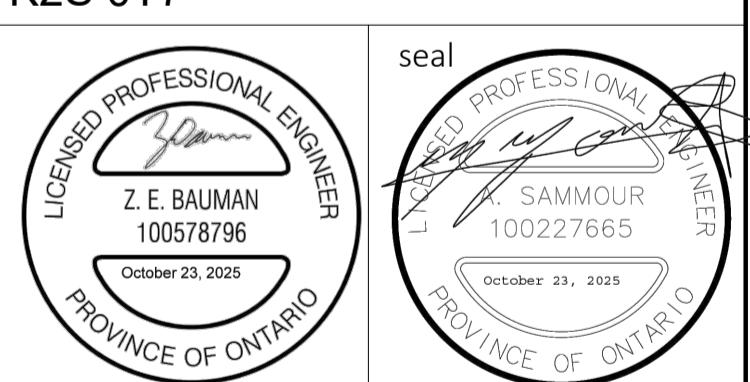


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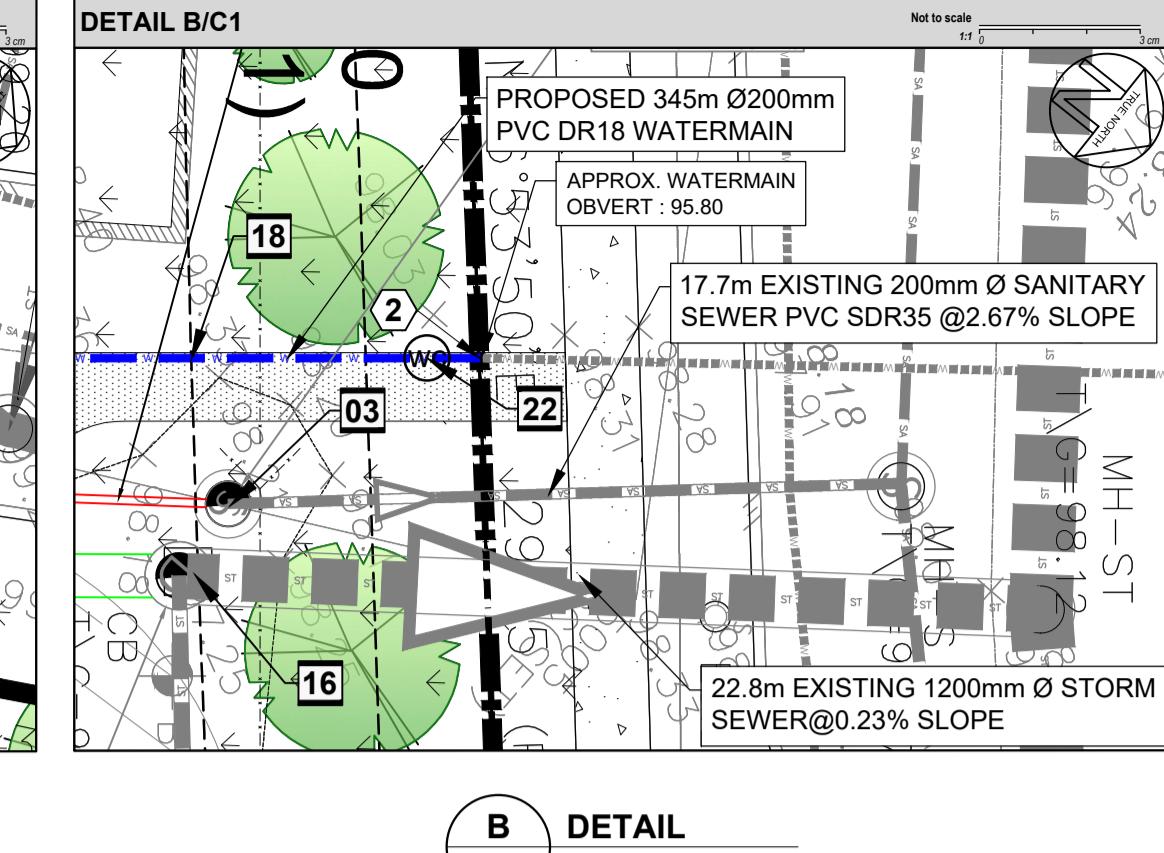
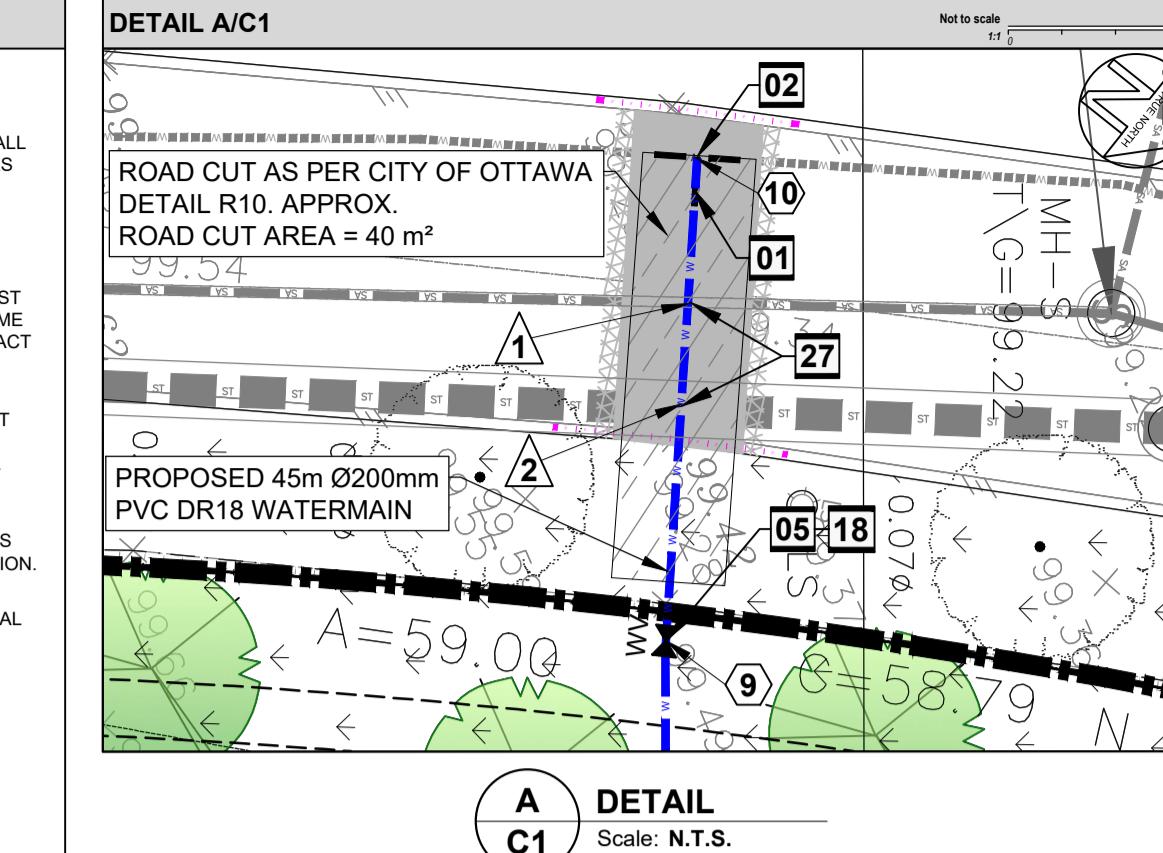
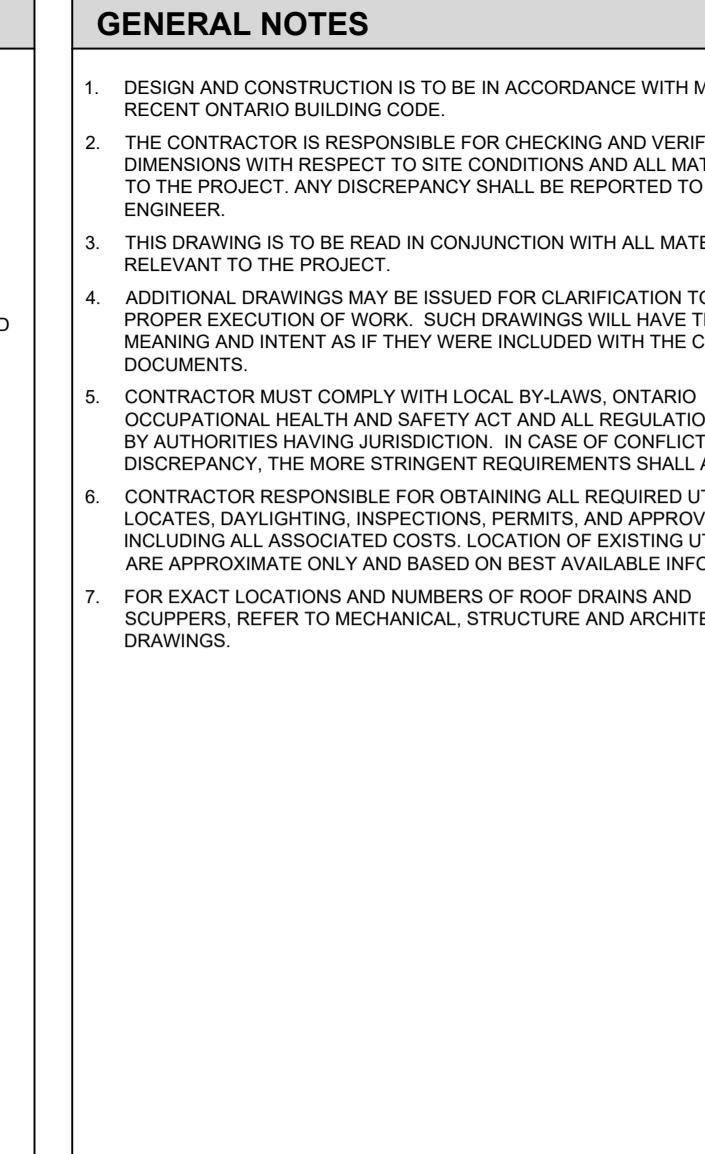
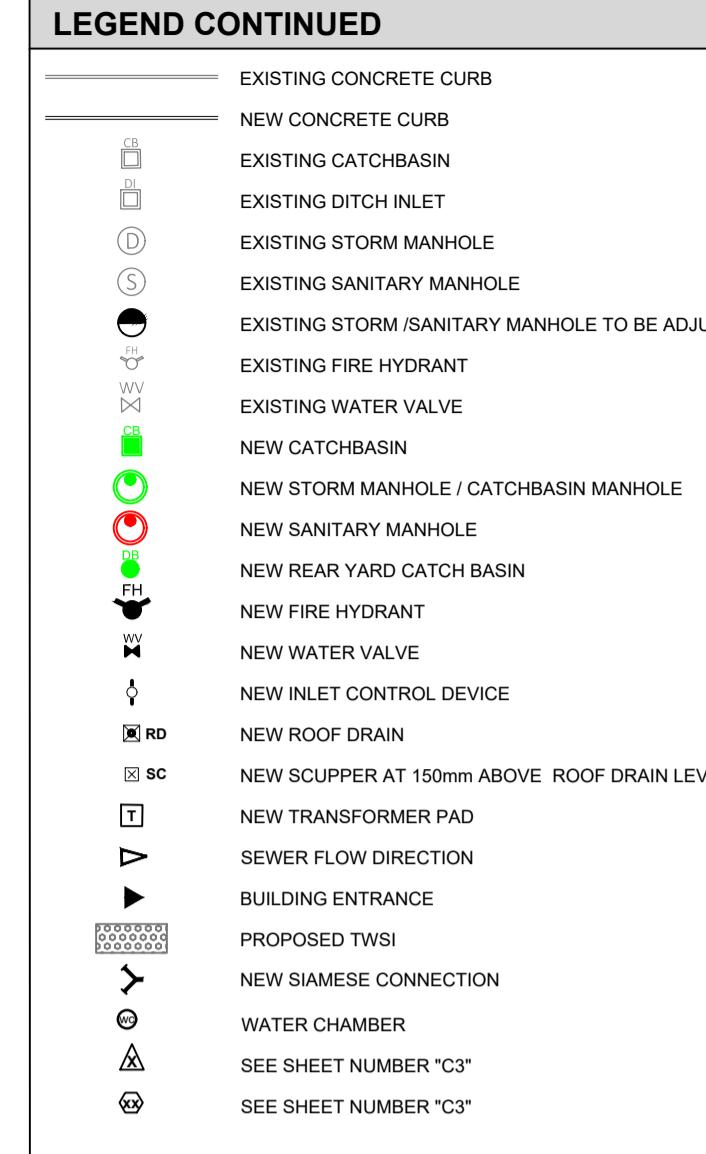
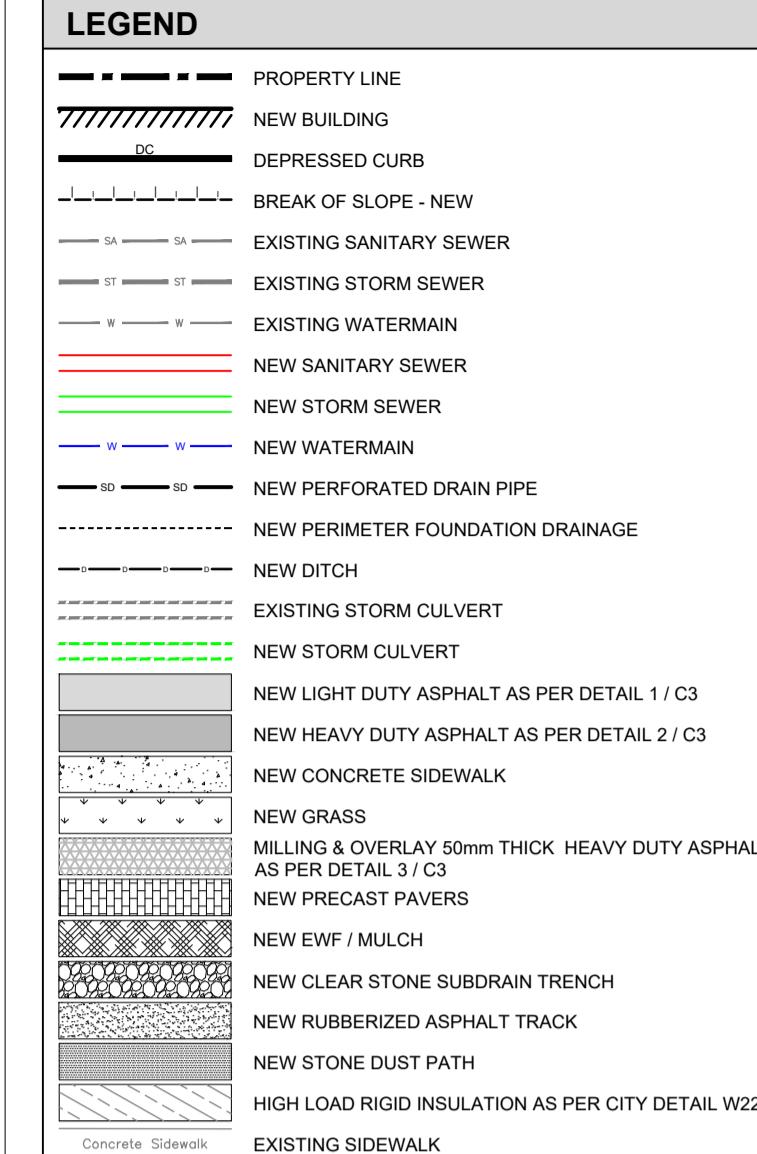
2	ISSUED FOR SITE PLAN CONTROL	2025-10-23
1	ISSUED FOR PHASE 2 PRE-CONSULTATION APPLICATION	2025-09-05
No.	DESCRIPTION	YYYY-MM-DD



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



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.	revision XXXX
DO NOT SCALE DRAWINGS.	PLAN #XXXX



DRAWING NOTES

01 SUPPLY AND INSTALL NEW 200mm Ø PVC DR18 WATER MAIN SERVICE, MINIMUM 240mm Ø COVER, OTHERWISE USE HDPE 100mm THERMAL INSULATED. NEW 200mm Ø PVC DR18 WATER MAIN, COORDINATE NEW WATER SERVICE CONNECTION WITH MECHANICAL PLANS. THRUST BLOCKS SHALL BE AS PER OPSD 1103.010 & 1103.020.

CONTRACTOR SHALL BE RESPONSIBLE FOR COMMUNICATING, COORDINATING, OBTAINING AND PAYING FOR ALL REQUIRED PERMITS NOT LIMITED TO THE FOLLOWING:

- WITH CITY OF OTTAWA FOR A ROAD CUT PERMIT.
- WITH CITY OF OTTAWA FOR A WATER PERMIT, NEW WATER SERVICE CONNECTION, HYDRAULIC DESIGN, INSPECTION, DIRECTION, ORIENTATION, 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 200mmx200mm Ø PVC TO EXISTING MUNICIPAL WATER MAIN TO BE COMPLETED BY CITY OF OTTAWA FOR RELOCATE, EXCAVATION, BACKFILL AND RE-INSTALLATION BY CONTRACTOR.

03 EXISTING 1200mm DIAMETER SANITARY MANHOLE. EXISTING 250mm INVERT S. = 94.89. 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 WAY 3.0m LONG 150mm Ø PERFORATED SUBDRAIN WRAPPED IN GEOTEXTILE SOCK EXTENDING FROM CB/CBH AT PAVEMENT SUBGRADE LEVEL. PROVIDE WATERTIGHT CONNECTION (TYP).

05 SUPPLY AND INSTALL NEW 200mm WATER VALVE AT PROPERTY LINE. VALVE TO BE SETTED AS PER CITY OF OTTAWA STANDARD DETAIL DRAWING WAT-A-009.

06 SUPPLY AND INSTALL WATTS ROOF DRAIN CONTROLS TO BE INSTALLED ON ROOF DRAINS. SPECIFIC MR SETTINGS IN CLOSED POSITION. MAXIMUM DISCHARGE 15.80 l/s TOTAL. MAXIMUM ROOF PONDING DEPTH 150mm. 100 YEAR PONDING VOLUME = 349.4m³.

07 SUPPLY AND INSTALL NEW INLET CONTROL DEVICE FLOW REGULATOR AT MANHOLE, STM-1 OUTLET. MAXIMUM DISCHARGE 8.13 l/s AT 2.01m HEAD AND ORIFICE DIAMETER AT 16mm.

08 SUPPLY AND INSTALL NEW INLET CONTROL DEVICE FLOW REGULATOR AT CATCHBASIN, CBM-4 OUTLET. MAXIMUM DISCHARGE 85.30 l/s AT 1.97m HEAD AND ORIFICE DIAMETER AT 12mm.

09 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 10mm.

10 SUPPLY AND INSTALL NEW INLET CONTROL DEVICE FLOW REGULATOR AT CATCHBASIN, CBM-6 OUTLET. MAXIMUM DISCHARGE 82.40 l/s AT 2.31m HEAD AND ORIFICE DIAMETER AT 16mm.

11 SUPPLY AND INSTALL NEW INLET CONTROL DEVICE FLOW REGULATOR AT CATCHBASIN, CBM-7 OUTLET. MAXIMUM DISCHARGE 46.40 l/s AT 2.77m HEAD AND ORIFICE DIAMETER AT 15mm.

12 CONNECT NEW 100mm PERIMETER FOUNDATION DRAINAGE WITH FILTER SOCK TO 100mm STORM SERVICE AT INVERT 98.00 at USF LEVEL.

13 INSTALL NEW REAR YARD CATCH BASIN AS PER CITY OF OTTAWA DETAIL S30.

14 NEW 150mm PERFORATED SUBDRAIN WITH FILTER SOCK. SUBDRAIN TO BE CONSTRUCTED IN CLEAR STONE EXTENDING 300mm X 300mm FROM EDGE OF PIPE.

15 EXISTING 2400 DIAMETER STORM MANHOLE. EXISTING 100mm INVERT S. = 94.89. EXISTING 375mm INVERT E-16-01. 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.

16 SUPPLY AND INSTALL PROLINC FITTINGS INSPECTION CHAMBER AND BACKWATER VALVE. TOP OF INSPECTION CHAMBER LID TO BE FLUSH WITH FINISHED GRADE.

17 ALL WATERMAIN SHALL BE PROVIDED WITH TRACER WIRE AS PER CITY OF OTTAWA STANDARD DETAILS AND SPECIFICATIONS.

18 FIRE HYDRANT AS PER CITY OF OTTAWA W.B. 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.

19 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.

20 NEW SIAMESE CONNECTION. REFER TO MECHANICAL & ARCHITECTURAL DRAWINGS FOR EXACT LOCATION.

21 INSTALL NEW DISTRICT METER AREA (DMA) CHAMBER AND VALVE AS PER CITY OF OTTAWA STANDARD DETAIL DRAWING W3 and W33.

22 WATER SERVICE ENTRY, TOP OF WATERMAIN AT 97.30 TO BE 0.70m ABOVE GROUND. HLF ELEVATION LEVELS TO BE COORDINATED AND MATCHED WITH STRUCTURAL AND MECHANICAL DRAWINGS. INSULATE PER CITY OF OTTAWA W22 WHERE LESS THAN 2.4m COVER IS PROVIDED.

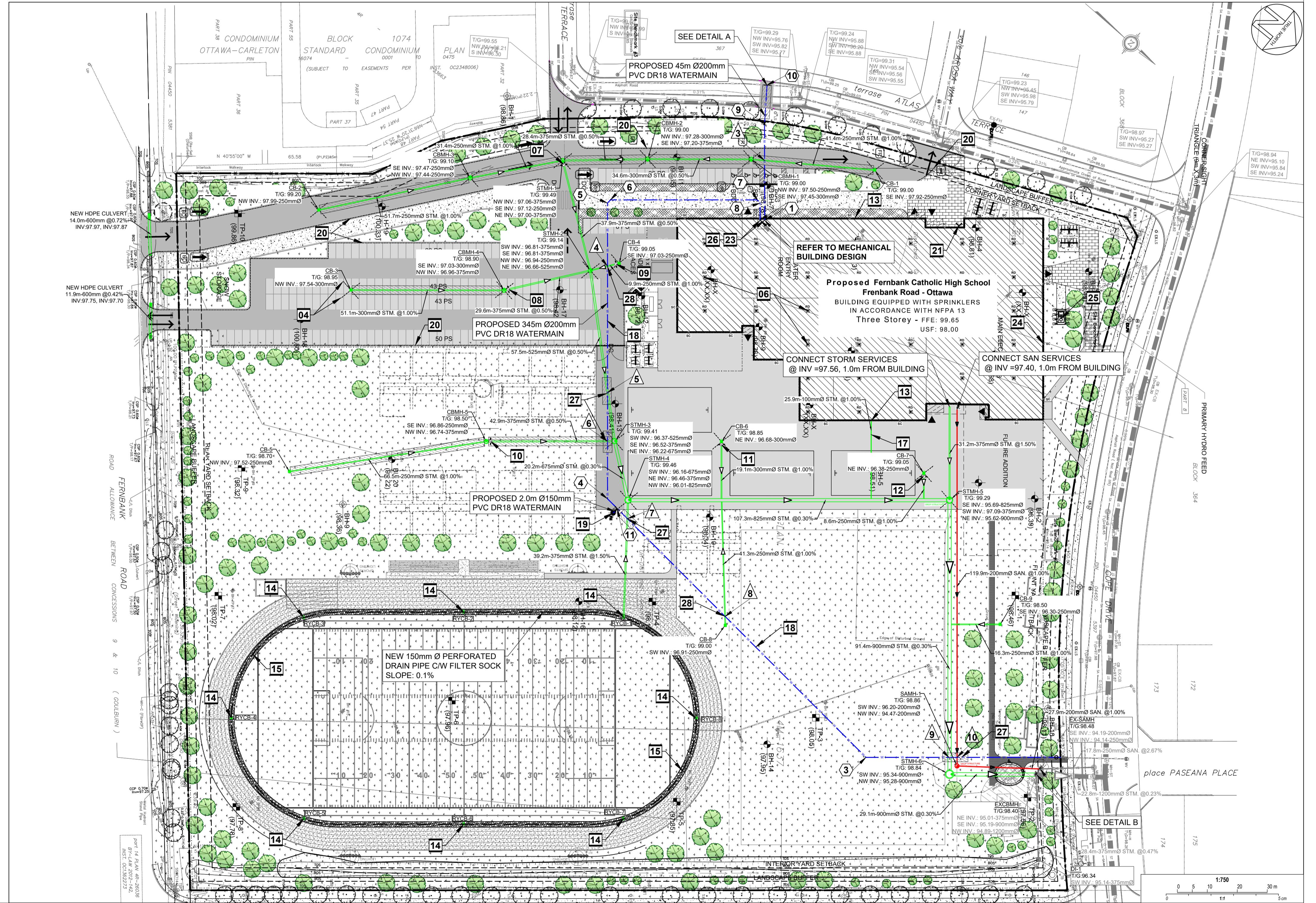
23 ROOF TOP SCUPPERS TO BE PROVIDED AT 150mm ABOVE LEVEL OF ROOF DRAINS.

24 NEW TRANSFORMER AND BOLLARDS.

25 PRESSURE REDUCING VALVE TO BE INSTALLED AS PER ONTARIO PLUMBING CODE. COORDINATE WITH MECHANICAL CONTRACTOR.

26 CONSTRUCT WATERMAIN CROSSING OVER SEWER AS PER CITY OF OTTAWA DETAIL W25 WITH MINIMUM 0.30m BARREL TO BARREL SEPARATION. PROVIDE THERMAL INSULATION AS PER DETAIL W22.

27 CONSTRUCT WATERMAIN CROSSING BENEATH SEWER AS PER CITY OF OTTAWA DETAIL W25 WITH MINIMUM 0.50m BARREL TO BARREL SEPARATION.





OTTAWA CATHOLIC SCHOOL BOARD

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 STRUCTURE PRIOR TO CONSTRUCTION.
2. IT IS STRICTLY RECOMMENDED TO REFER GEOTECHNICAL INVESTIGATION REPORT : GEOTECHNICAL INVESTIGATION FERNBANK CATHOLIC HIGH SCHOOL, 5431 FERNBANK ROAD, OTTAWA, ONTARIO EXP SERVICES INC. .
3. IT IS ANTICIPATED THAT THE MAJORITY OF THE MATERIAL REQUIRED FOR BACKFILLING PURPOSES AND FOR TRENCH BACKFILL WOULD HAVE TO BE IMPORTED AND SHOULD CONFORM TO THE RECOMMENDATION STATED IN THE GEOTECHNICAL REPORT.
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 SPECIFICATIONS, THICKNESS OF COVER MATERIAL AND COMPACTION 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 MATERIAL.
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 95 PERCENT OF THE SPMDD.
7. THE BEDDING THICKNESS MAY BE FURTHER INCREASED IN AREAS WHERE THE SUBGRADE BECOMES DISTURBED.
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 GRAVEL) 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 SPMDD.
9. THE BEDROCK/AUGER REFUSAL DEPTHS ACROSS THE SITE WERE VARIABLE. SHALLOW BEDROCK AND LARGE BOULDERS SHOULD BE EXPECTED DURING THE INSTALLATION OF ANY SERVICES AND CONTRACTORS BIDDING ON THIS WORK 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 CONFORM TO OPSS 1010 SELECT SUBGRADE MATERIAL (SSM) - COMPACTED TO 95 PERCENT OF THE SPMDD AND THE UPPER 300 MM OF THE SUBGRADE FILL MUST BE COMPACTED TO 98% SPMDD.
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 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 SPMDD (ASTM D698-12E2).

GEOTECHNICAL NOTES CONTINUED

12. 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.
13. TO MINIMIZE THE PROBLEMS OF DIFFERENTIAL MOVEMENT BETWEEN THE PAVEMENT AND CATCHBASINS/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 CATCHBASINS/MANHOLES 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 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.
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 TOWARDS CATCH BASINS. SURFACE WATER SHOULD NOT BE ALLOWED TO POND ADJACENT TO THE OUTSIDE EDGES OF PAVED AREAS.
16. 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.
17. 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.
18. 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 MRD (ASTM D2041). ASPHALT PLACEMENT SHOULD BE IN ACCORDANCE WITH OPSS 310 AND OPSS 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 INSPECTED BY QUALIFIED GEOTECHNICIANS 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

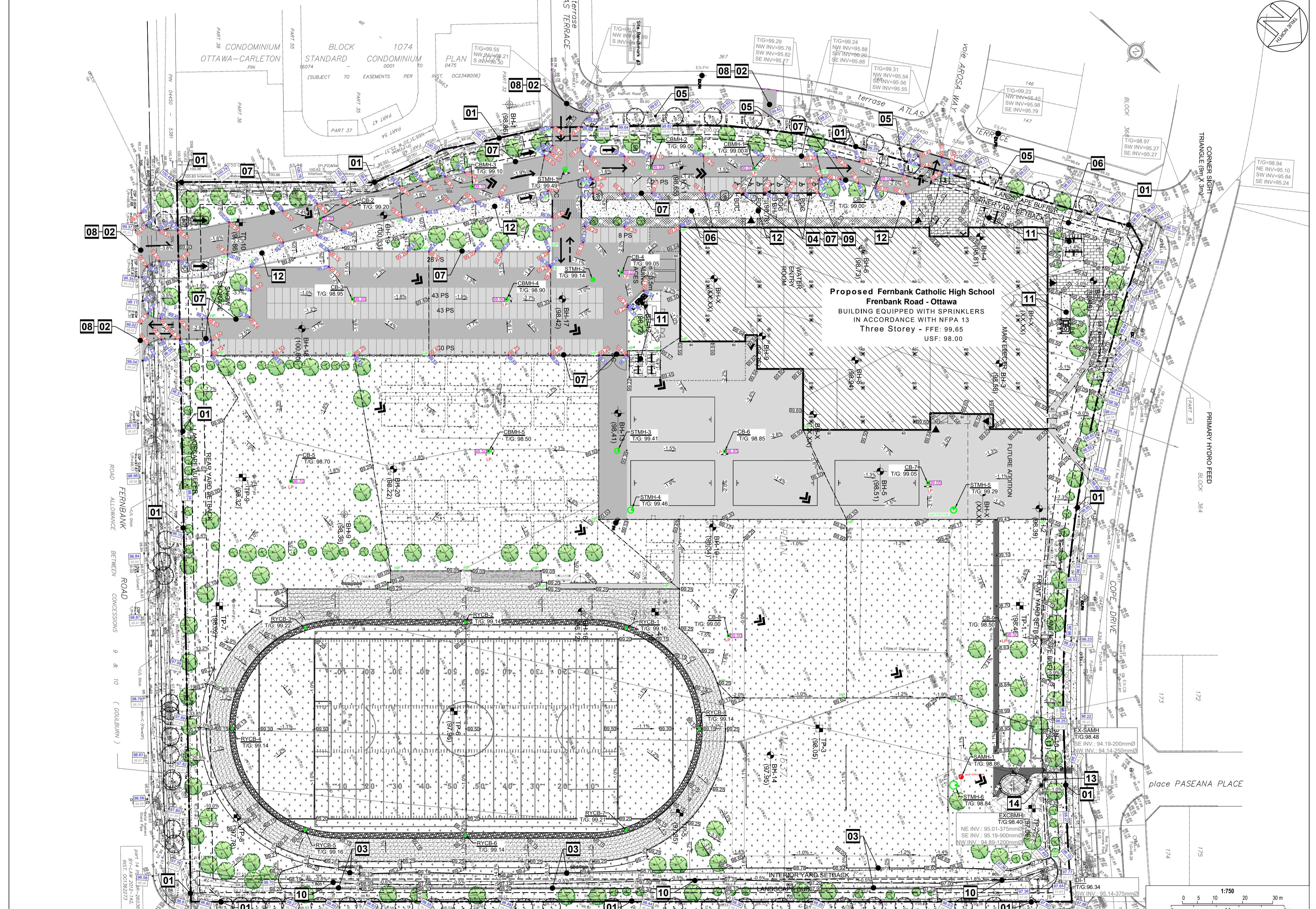
21. SHOULD SURFACE AND SUBSURFACE WATER SEEPAGE OCCUR INTO THE EXCAVATIONS COLLECT ANY WATER ENTERING THE EXCAVATIONS AND REMOVE IT BY PUMPING FROM SUMP.
22. IF THE BACKFILL IN THE SERVICE TRENCHES WILL CONSIST OF GRANULAR FILL, CLAY SEALS SHOULD BE INSTALLED IN THE SERVICE TRENCHES AT SELECT INTERVALS (SPACING) AS PER CITY OF OTTAWA DRAWING NO. S8. THE SEALS SHOULD BE 1m 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 SPMDD. 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 OF 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** TWSI 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 MW9.1XMW9.1 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 3/C3. 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 S29 (WITH HDPE PERFORATED PIPE) .
- 11** CONCRETE 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.

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. 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



NOT FOR
CONSTRUCTION

project

Fernbank Catholic High School

5431 Fernbank Road, Ottawa, ON
K2S 0T7

drawing title	
<h1>Site Grading Plan</h1>	
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	

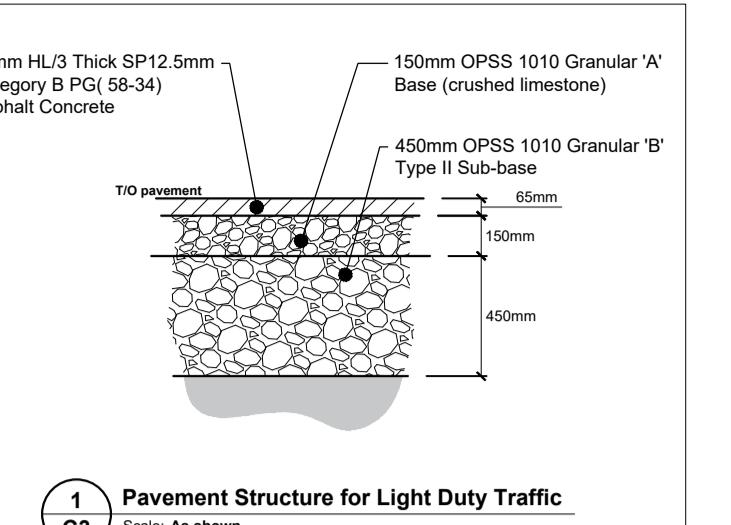


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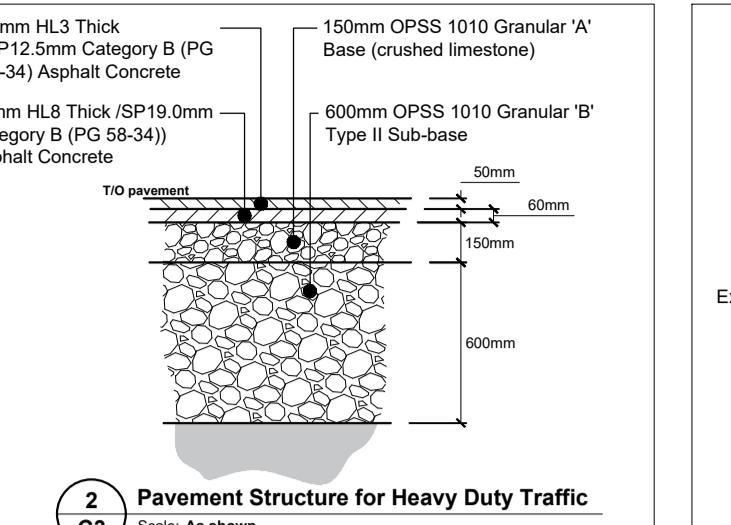
General Notes	
1. DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL AND LANDSCAPE DRAWINGS.	
2. ALL SERVICES, MATERIALS, CONSTRUCTION METHODS AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE LATEST REVISIONS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT, THE CITY OF OTTAWA STANDARDS, SPECIFICATIONS AND DRAWINGS, ONTARIO PROVINCIAL SPECIFICATION (OPS) AND ONTARIO PROVINCIAL SPECIFICATION (OPS), UNLESS OTHERWISE SPECIFIED TO THE SATISFACTION OF THE CITY OF OTTAWA AND THE CONSULTANT.	
3. THE POSITION OF EXISTING POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND ABOVE-GROUND UTILITIES AND STRUCTURES AND APPURTENANCES IS NOT NECESSARILY DRAWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. THE CONTRACTOR SHALL NOTIFY THE CONSULTANT 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 CONTRACTORS EXPENSE.	
4. THE CONTRACTOR MUST NOTIFY ALL EXISTING UTILITY COMPANIES OFFICIAL FIVE (5) BUSINESS DAYS PRIOR TO START OF CONSTRUCTION, AND NOTIFY ALL LOCAL UTILITY UTILITIES AND SERVICES LOCATED IN THE FIELD OR EXPOSED PRIOR TO THE START OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO POWER, COMMUNICATION AND WATER SUPPLY.	
5. ALL TRENCHING AND EXCAVATIONS TO BE IN ACCORDANCE WITH THE LATEST REVISIONS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS AND AS PER THE RECOMMENDATIONS INCLUDED IN THE GEOTECHNICAL REPORT.	
6. REFER TO ARCHITECTS PLANS FOR BUILDING DIMENSIONS, LAYOUT AND REMOVALS. REFER TO LANDSCAPE PLAN FOR LANDSCAPED DETAILS AND OTHER RELEVANT PLANS. ALL REMOVALS ARE TO BE CONFIRMED PRIOR TO COMMENCEMENT OF CONSTRUCTION.	
7. TOPOGRAPHIC SURVEY AND PROPERTY BOUNDARY INFORMATION COMPLETED AND PROVIDED BY ANNIS, O'SULLIVAN VOLLEBEKK LTD. JOB NO.: 2349-32 OCSS: BAKB6 PMH-437 DATED 13. 10. 2023. CONTRACTOR TO VERIFY SURVEY AND PROVIDE TO CONSULTANT FOR ANY WORK AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.	
8. ALL ELEVATIONS AND LEVELS ARE TO BE IN METRIC UNITS. VERIFY THAT JOB BENCHMARKS HAVE NOT BEEN ALTERED OR DISTURBED.	
9. ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHIN 10MM IN PAVING AREAS AND WITHIN 10MM PAVING POINTS EXCEPT WHERE APPROVED SWALE OR CATCH BASIN OUTLETS ARE PROVIDED.	
10. ALL EDGES OF DISTURBED PAVEMENT SHALL BE SAW CUT TO FORM A NEAT AND STRAIGHT LINE PRIOR TO PLACING NEW PAVING. THE SAW CUT MUST BE AT LEAST 50MM DEEP AND SHALL BE WITH STP JOINTS OF 50MM IN WIDTH MINIMUM.	
11. ALL DISTURBED AREAS OUTSIDE PROPOSED GRAVING 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.	
12. ABUTTING PROPERTY GRADES TO BE MATCHED UNLESS OTHERWISE SHOWN.	
13. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE MUNICIPAL AUTHORITIES RELATED TO CONCRETE CONSTRUCTION, INCLUDING WATER, POWER AND ROAD CUT PERMIT.	
14. MINIMIZE DISTURBANCE TO EXISTING VEGETATION DURING THE EXECUTION OF ALL WORKS.	
15. EXCAVATE AND REMOVE ALL ORGANIC MATERIAL AND DEBRIS LOCATED WITHIN THE PROPOSED BUILDING, PARKING AND ROADWAY LOCATIONS. ALL EXCESS SOIL MATERIAL ACCORDING TO THE CONTRACTOR'S DISPOSAL MUST COMPLY WITH CURRENT O REG 406/19. ALL ASSOCIATED COSTS ARE TO BE BORNE BY THE CONTRACTOR.	
16. AT PROPOSED CONNECTION POINTS AND CROSSINGS (I.E. STORM SEWER, SANITARY SEWER, WATER, ETC.), THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF THE EXACT LOCATION AND DIA/THICK OF EXISTING UTILITIES AND REPORT ANY DISCREPANCIES OR CONFLICTS TO THE ENGINEER BEFORE COMMENCING WORK.	
17. CONTRACTOR TO OBTAIN POST-CONSTRUCTION TOPOGRAPHIC SURVEY, CONDUCTED BY JP2G CONSULTANTS INC. AND CONFIRMING CONFORMITY WITH DESIGN DRAWINGS AND SERVICING. SURVEY IS TO INCLUDE LOCATION AND INVERTS FOR BURIED UTILITIES.	
18. ADOBE BY RECOMMENDATIONS OF GEOTECHNICAL REPORT. REPORT ANY VARIATIONS IN OBSERVED CONDITIONS FROM THOSE INCLUDED IN REPORT.	
19. REPORT REQUIREMENTS: GEOTECHNICAL INVESTIGATION FERNBANK CATHOLIC HIGH SCHOOL 5431 FERNBANK ROAD, OTTAWA, ONTARIO PREPARED BY THE PROJECT NO. OTT-23004319-A0 DATED 24/2/2023.	
20. PROVIDE CCTV INSPECTION REPORT FOR ALL SEWERS AND CATCHBASIN 200mm DIAMETER AND LARGER. REPEAT CCTV INSPECTION FOLLOWING RECTIFICATION OF ANY DEFICIENCIES.	

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.**	
1. 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 SITE (SEE TYPICAL 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. 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.	
2.3. PROTECT DISTURBED AREAS FROM OVERLAND FLOW BY PROVIDING TEMPORARY SWALES TO THE SATISFACTION OF THE ENGINEER. TIE-IN TEMPORARY SWALE TO EXISTING CBS AS REQUIRED.	
2.4. PROVIDE TEMPORARY COVER SUCH AS SEEDING OR MULCHING IF DISTURBED AREA WILL NOT BE REHABILITATED WITHIN 30 DAYS.	
2.5. INSPECT SILT FENCES, FILTER FABRIC FILTERS AND CATCH BASIN SUMPS WEEKLY AND WITHIN 24 HOURS AFTER A STORM EVENT. CLEAN AND REPAIR WHEN NECESSARY.	
2.6. DRAWINGS TO BE REVIEWED AND REVISED AS REQUIRED DURING CONSTRUCTION.	
2.7. EROSION CONTROL FENCING TO BE ALSO INSTALLED AROUND THE BASE OF ALL STOCKPILES.	
2.8. 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 REMOVED AND RELOCATED AS SOON AS SITING IS ENOUGH FOR SEED 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 PERMITTED UNLESS APPROVED BY THE ENGINEER.	
2.11. CITY OF OTTAWA ROAD AND SIDEWALK TO BE CLEANED OF ALL SEDIMENT AND VEHICLE TRACKING AS REQUIRED.	
2.12. DRAIN WET CONCRETE TRESSES OF VEHICLES/EQUIPMENT LEAVING THE SITE ARE TO BE SCRAPED.	
2.13. ANY MATERIAL TRACKED ONTO THE ROAD SHALL BE REMOVED IMMEDIATELY BY HAND OR RUBBER TIRE LOADER.	
2.14. TAKE ALL NECESSARY STEPS TO PREVENT BUILDING MATERIAL CONSTRUCTION DEBRIS OR WASTE BEING SPILLED OR TRACKED ONTO ADJACENT PROPERTIES OR PUBLIC STREETS DURING CONSTRUCTION. THIS MUST 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 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.	

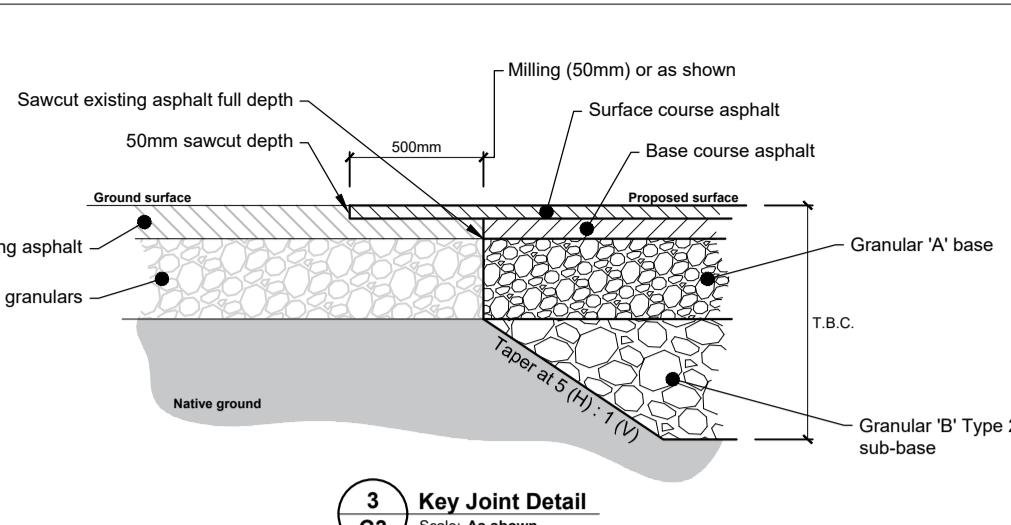
Parking Lot and Work in Public Rights of Way	
1. CONTRACTOR TO REINSTATE ROAD CUTS AS PER CITY OF OTTAWA DETAIL R10.	
2. CONTRACTOR TO PREPARE SUBGRADE, INCLUDING PROFILING, TO THE SATISFACTION OF THE GEOTECHNICAL CONSULTANT PRIOR TO THE COMMENCEMENT OF PLACEMENT OF GRANULAR B MATERIAL.	
3. FILL TO BE PLACED AND COMPAKTED PER THE GEOTECHNICAL REPORT REQUIREMENTS.	
4. 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.	
5. GRANULAR A MATERIAL TO BE PLACED ONLY UPON APPROVAL BY THE GEOTECHNICAL CONSULTANT OF GRANULAR B PLACEMENT.	
6. 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.	
7. ASPHALT MATERIAL TO BE PLACED ONLY UPON APPROVAL BY THE GEOTECHNICAL CONSULTANT OF GRANULAR A PLACEMENT.	
8. 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.	
9. CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING LINE AND GRADE 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.	
10. UPON COMPLETION OF CONSTRUCTION ON THE LANDS, THE CONTRACTOR TO REINSTATE ATLAS TERRACE AND COPE DRIVE TO DETERMINE THE CITY SEWER SYSTEM PRIOR TO CONSTRUCTION ON THE LANDS AND TO PROVIDE SAID VIDEO INSPECTION TO THE GENERAL MANAGER, PLANNING, DEVELOPMENT AND BUILDING SERVICES.	
11. OBTAIN A VIDEO INSPECTION OF THE EXISTING CITY SEWER SYSTEM WITHIN ATLAS TERRACE AND COPE DRIVE TO DETERMINE THE CITY SEWER SYSTEM PRIOR TO CONSTRUCTION ON THE LANDS AND TO PROVIDE SAID VIDEO INSPECTION TO THE GENERAL MANAGER, PLANNING, DEVELOPMENT AND BUILDING SERVICES.	
12. 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 Pavement Structure for Light Duty Traffic



2 Pavement Structure for Heavy Duty Traffic



3 Key Joint Detail

Notes: Protection of City Sewers

1. CONTRACTOR RESPONSIBLE TO:

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OTTAWA
CATHOLIC
SCHOOL BOARD

Jp2g Consultants Inc.
ENGINEERS • PLANNERS • PROJECT MANAGERS

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Jp2g PROJECT No. 24-5050A



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



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
XXXX

EROSION AND SEDIMENT CONTROL NOTES

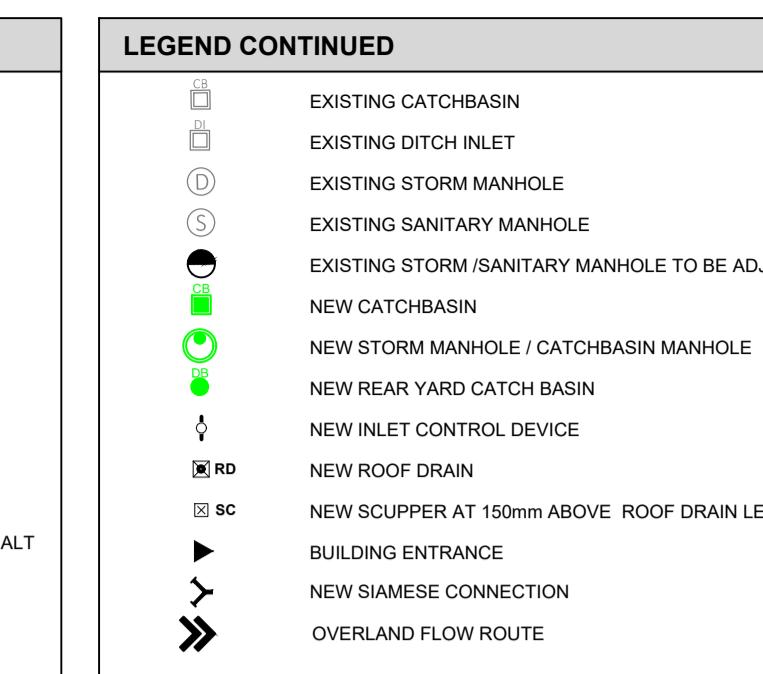
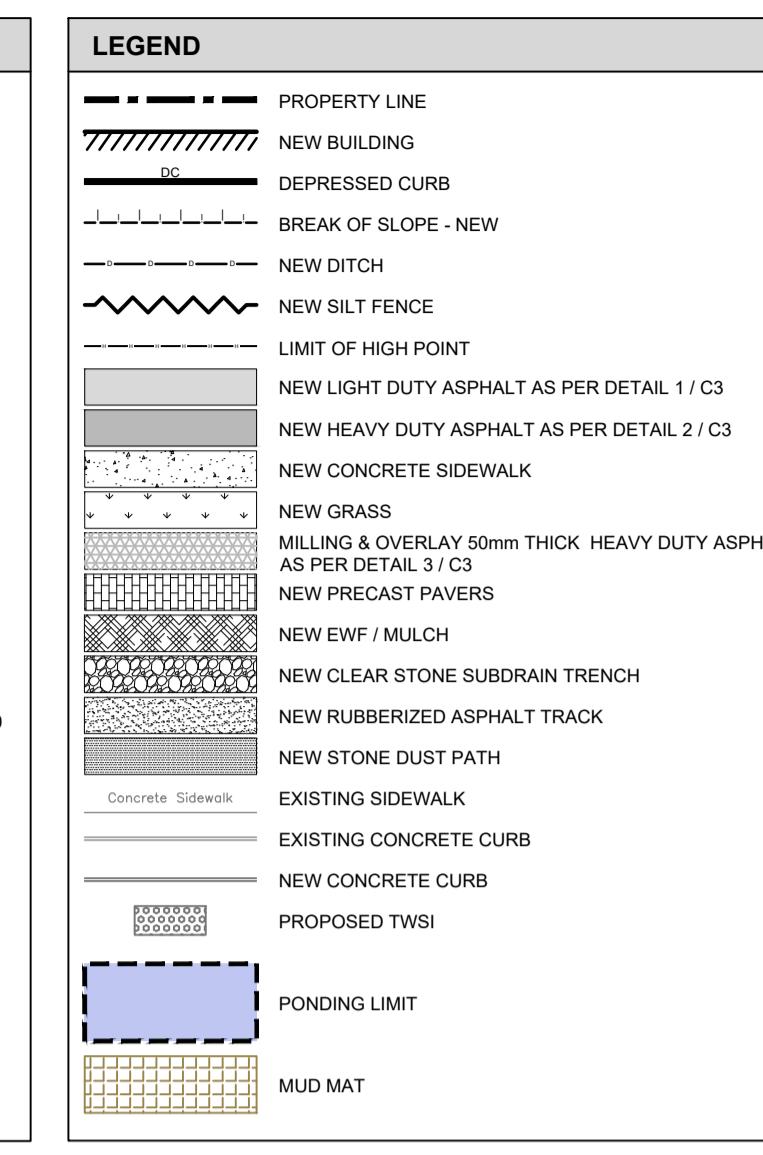
** CONTRACTOR IS RESPONSIBLE FOR ALL INSTALLATION, MONITORING, REPAIR AND REMOVAL OF ALL EROSION AND SEDIMENT CONTROL FEATURES.**

- PRIOR TO START OF CONSTRUCTION:

 - INSTALL SILT FENCE IN LOCATION SHOWN ON DRAWINGS.
 - INSTALL FILTER FABRIC OR SILT SACK FILTERS IN ALL THE CATCHBASINS AND MANHOLES TO REMAIN DURING CONSTRUCTION WITHIN THE SITE (SEE TYPICAL DETAIL).
 - INSPECT MEASURES IMMEDIATELY AFTER INSTALLATION.

- DURING CONSTRUCTION:

 - MINIMIZE THE EXTENT OF DISTURBED AREAS AND THE DURATION OF EXPOSURE AND IMPACTS TO EXISTING GRADING.
 - PERIMETER VEGETATION TO REMAIN IN PLACE UNTIL PERMANENT STORM WATER MANAGEMENT IS IN PLACE. OTHERWISE, IMMEDIATELY INSTALL SILT FENCE WHEN THE EXISTING SITE IS DISTURBED AT THE PERIMETER.
 - PROTECT DISTURBED AREAS FROM OVERLAND FLOW BY PROVIDING TEMPORARY SWALES TO THE SATISFACTION OF THE FIELD ENGINEER. TIE-IN TEMPORARY SWALE TO EXISTING CB'S AS REQUIRED.
 - PROVIDE TEMPORARY COVER SUCH AS SEEDING OR MULCHING IF DISTURBED AREA WILL NOT BE REHABILITATED WITHIN 30 DAYS.
 - INSPECT SILT FENCES, FILTER FABRIC FILTERS AND CATCH BASIN SUMPS WEEKLY AND WITHIN 24 HOURS AFTER A STORM EVENT. CLEAN AND REPAIR WHEN NECESSARY.
 - DRAWING TO BE REVIEWED AND REVISED AS REQUIRED DURING CONSTRUCTION.
 - EROSION CONTROL FENCING TO BE ALSO INSTALLED AT 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 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 SCRAPED.
 - ANY MUDMATEER 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 ABUTTING PROPERTIES OR PUBLIC STREETS DURING CONSTRUCTION AND PROCEED IMMEDIATELY TO CLEAN UP ANY AREAS SO AFFECTED.
 - ALL EROSION CONTROL STRUCTURE TO REMAIN IN PLACE UNTIL ALL DISTURBED GROUND SURFACES HAVE BEEN STABILIZED EITHER BY PAVING OR RESTORATION OF VEGETATIVE GROUND COVER.
 - THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES, TO PROVIDE FOR PROTECTION OF THE AREA DRAINAGE SYSTEM AND THE RECEIVING WATERCOURSE, DURING CONSTRUCTION ACTIVITIES. THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.



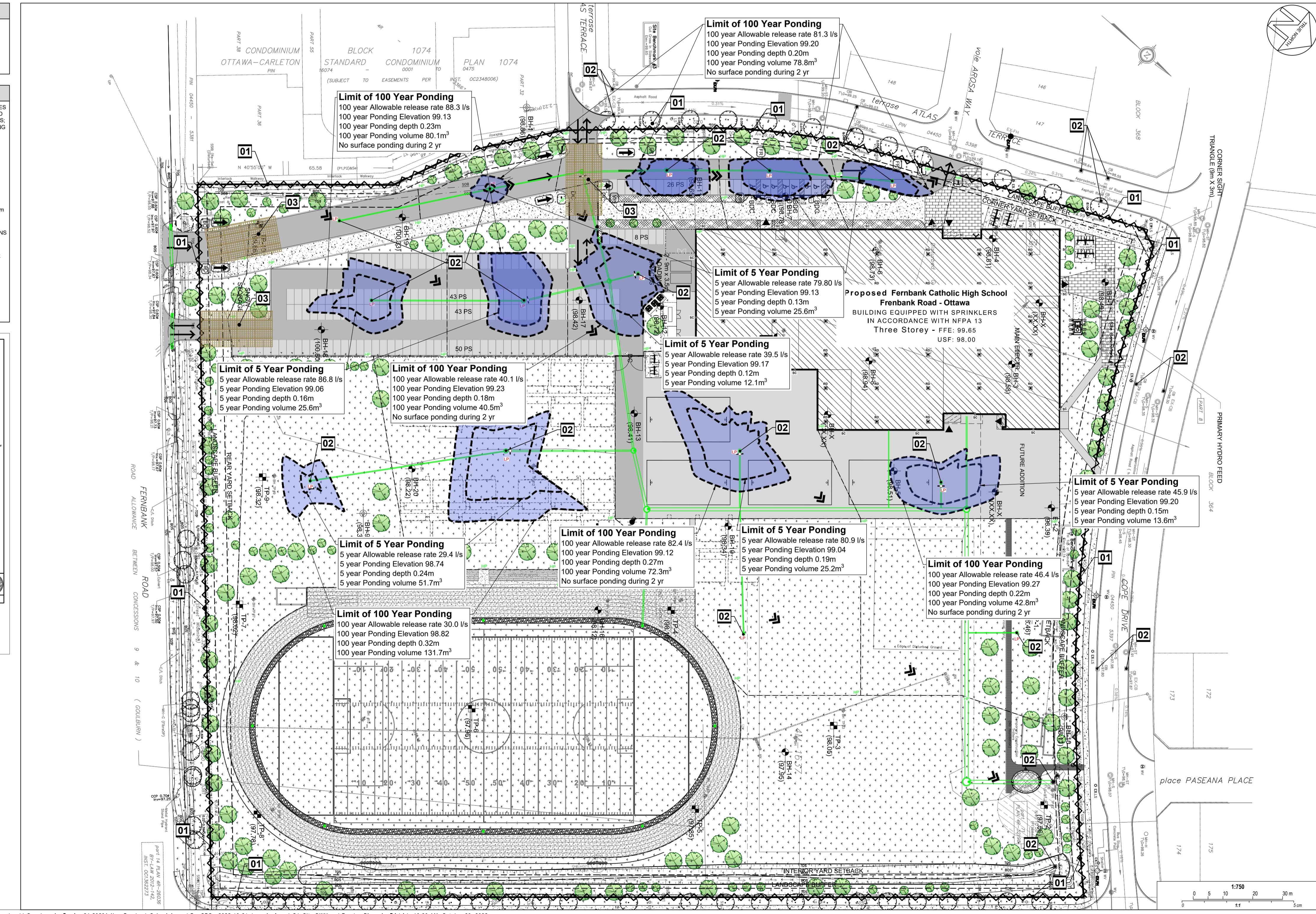
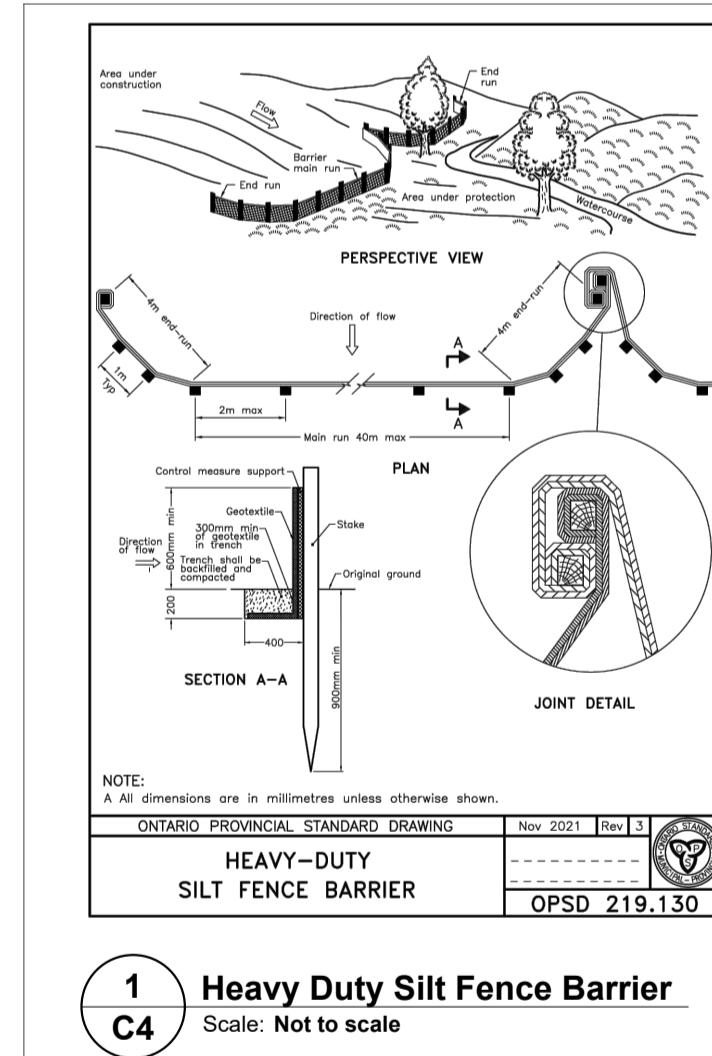
ICD SCHEDULE					
ICD	LOCATION	PIPE SIZE (mm)	ICD SIZE (mm)	100 YEAR HEAD (m)	100 YEAR FLOW RATE (lps)
ICD-1	STMH-1	375	164	2.01	81.3
ICD-2	CBMH-4	375	172	1.97	88.3
ICD-3	CB-4	250	115	2.08	40.1
ICD-4	CBMH-5	375	101	1.89	30.0
ICD-5	CB-6	250	160	2.31	82.4
ICD-6	CB-7	250	115	2.77	46.4

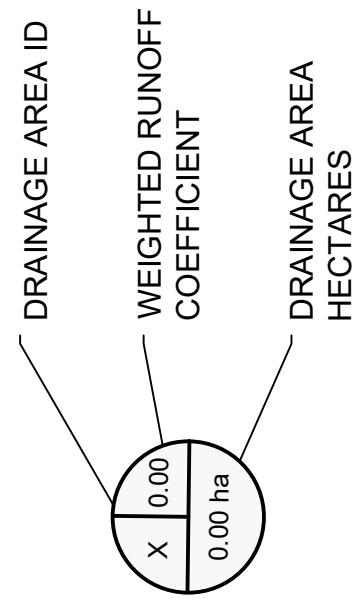
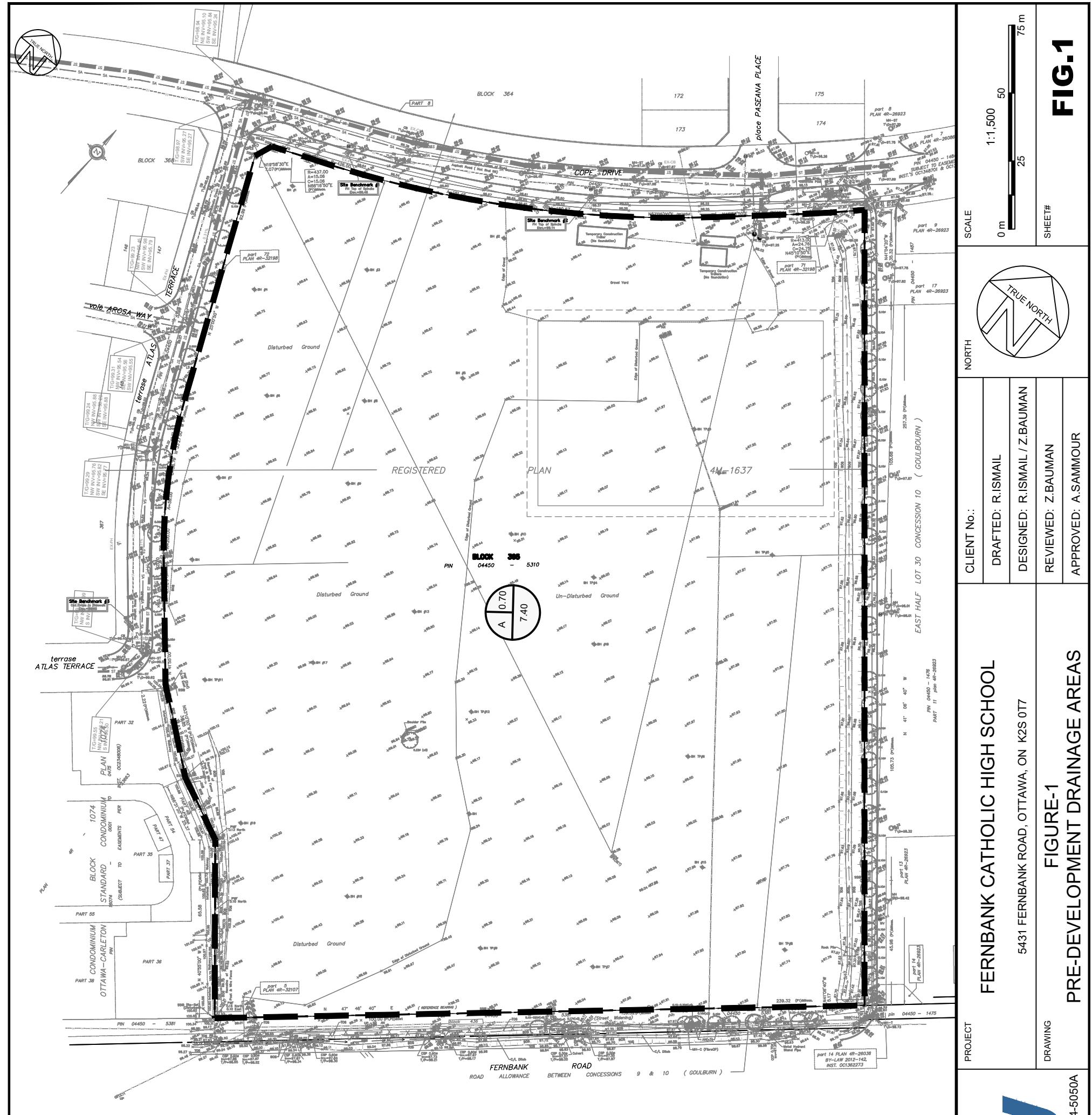
DRAWING NOTES

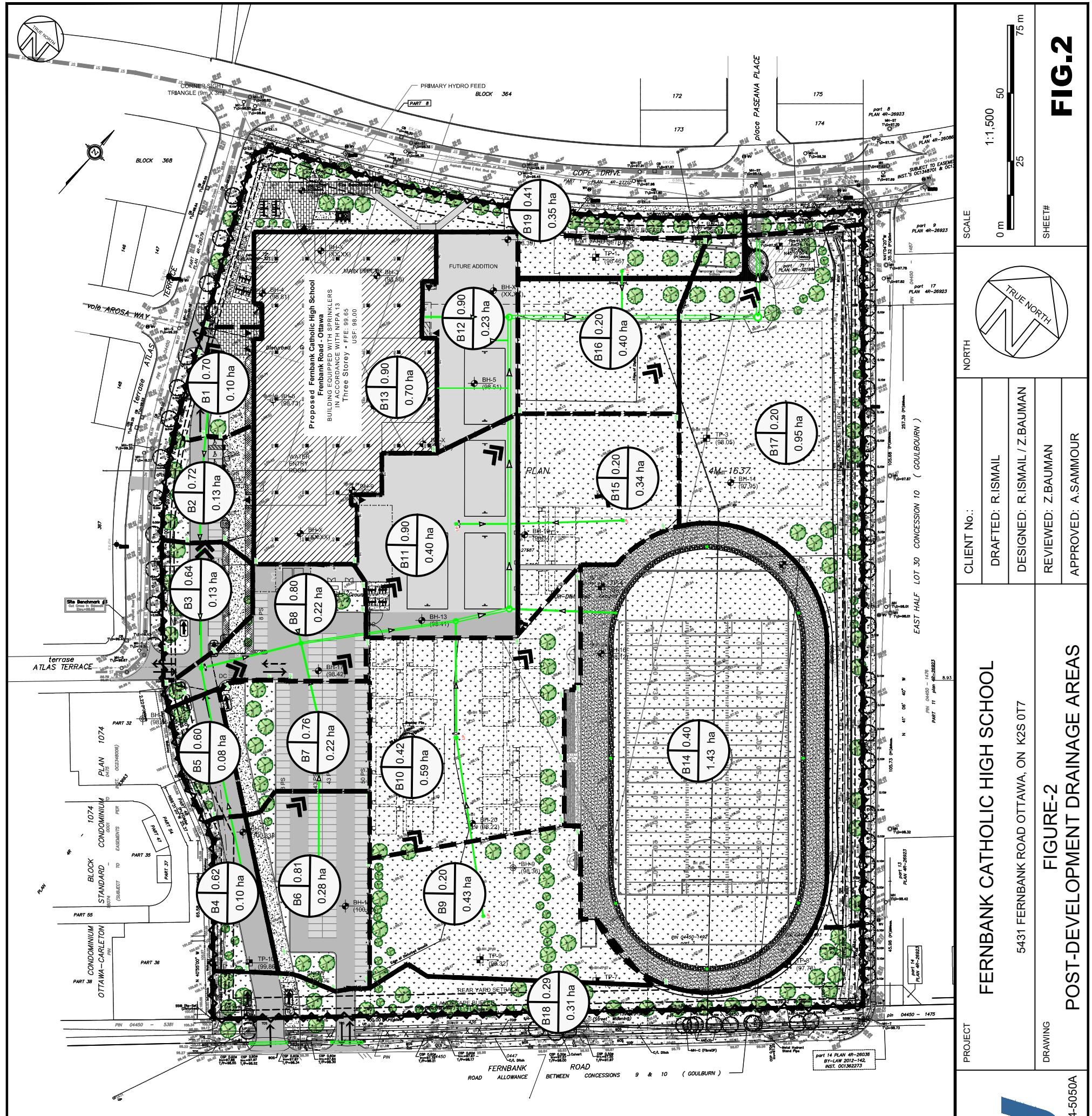
- INSTALL SILT FENCE IN ACCORDANCE WITH OPSD 219.130.
- INSTALL FILTER BAG (SILT SACK) TO PROTECT EXISTING CATCHBASINS & CATCHBASIN MANHOLES AS PER DETAIL 4/C3.
- PROPOSE MUD MAT DURING CONSTRUCTION.

EROSION AND SEDIMENT CONTROL NOTES

- THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES TO PROVIDE FOR PROTECTION OF THE AREA DRAINAGE SYSTEM AND THE RECEIVING WATERCOURSE 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 ACTIVITIES 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 60mm 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 CONSTRUCTION SUPERVISOR.
- STORM WATER PUMPED TO 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.

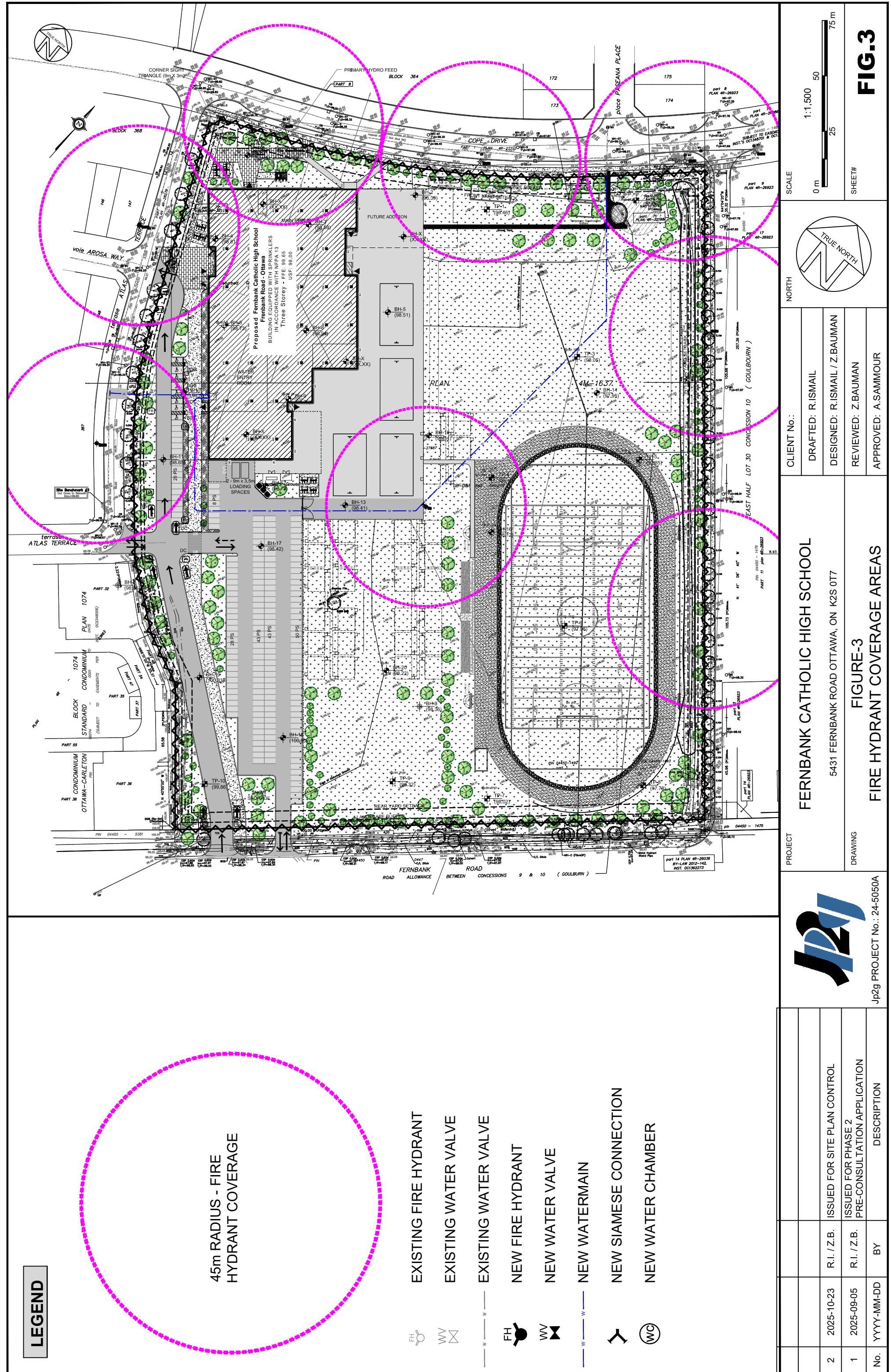






No.	YYYY-MM-DD	BY	DESCRIPTION
2	2025-10-23	R.I. / Z.B.	ISSUED FOR SITE PLAN CONTROL
1	2025-09-05	R.I. / Z.B.	ISSUED FOR PHASE 2 PRE-CONSULTATION APPLICATION

Jp2g PROJECT No.: 24-5050A



LEGEND

45m RADIUS - FIRE HYDRANT COVERAGE

EXISTING FIRE HYDRANT

EXISTING WATER VALVE

EXISTING WATER VAULT

NEW EIB/E HYDRANT

NEW WATERWAVE

- 1 -

NEW SIAMESE CONNECTION

NEW WATER CHAMBER

DWG NAME: J15-CV112024-5050A - N45 - NEW FERNBANK CATHOLIC HIGH SCHOOL 0105 DRAWINGS1! NGONGIN4-5050A NEW FERNBANK SCHOOL ISSUED FOR SPC - 2025-10-21.DWG LAYOUT; FIG.3 - HYDRANT SAVED DN 2025-10-23