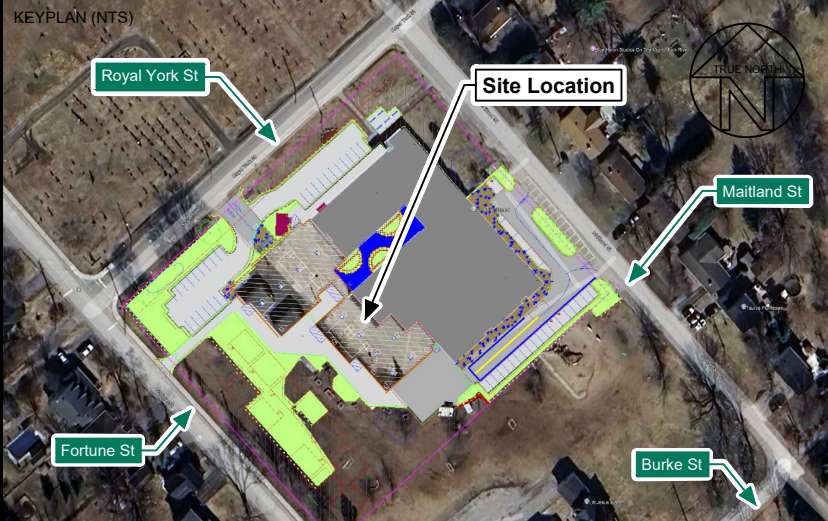
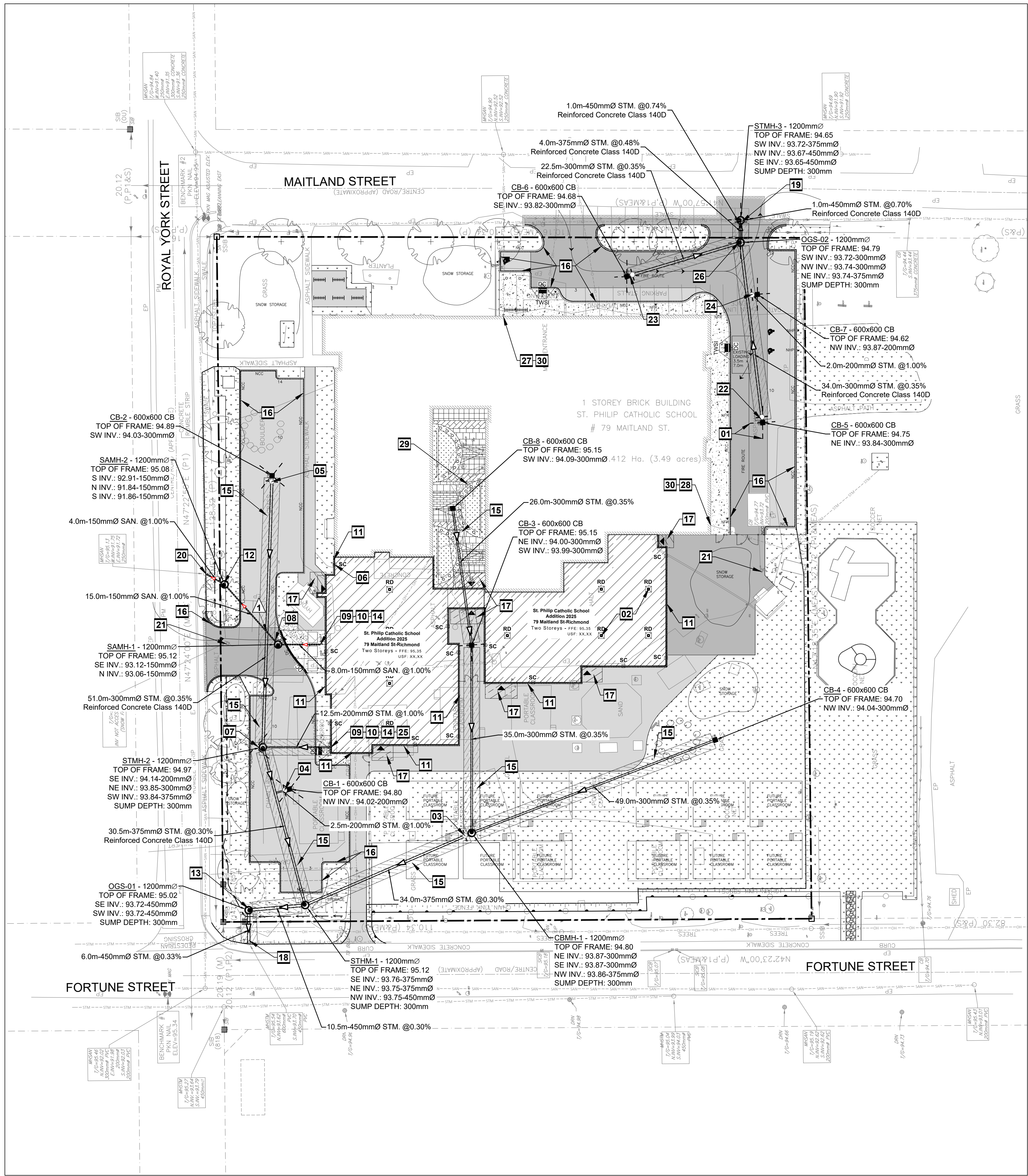


	PROPERTY LINE
	NEW BUILDING
	DEPRESSED CURB
	BREAK OF SLOPE - NEW
	NEW SWALE
	EXISTING SWALE
	NEW SANITARY SEWER
	NEW STORM SEWER
	NEW SILT FENCE
	NEW PERFORATED DRAIN PIPE
	NEW PERIMETER
	FOUNDATION DRAINAGE
	NEW LIGHT DUTY ASPHALT
	NEW HEAVY DUTY ASPHALT
	NEW CONCRETE SIDEWALK
	NEW GRASS
	NEW PRECAST PAVERS WITH GRANULAR BASE
	NEW PRECAST PAVERS
	MILLING & OVERLAY 50mm THICK
	HEAVY DUTY ASPHALT
	INSULATION PER CITY OF OTTAWA DETAIL S28
	EXISTING CATCHBASIN
	EXISTING STORM MANHOLE
	EXISTING SANITARY MANHOLE
	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE
	NEW CATCHBASIN
	NEW STORM MANHOLE / CATCHBASIN MANHOLE
	NEW SANITARY MANHOLE
	NEW INLET CONTROL DEVICE
	NEW ROOF DRAIN
	NEW SCURPER AT 150mm ABOVE ROOF DRAIN LEVEL
	SEWER FLOW DIRECTION
	BUILDING ENTRANCE
	CAR ENTRANCE
	PROPOSED TWSI
	Concrete Sidewalk
	EXISTING SIDEWALK
	EXISTING CONCRETE CURB
	NEW CONCRETE CURB
	SEE SHEET NUMBER "C3"

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 AND METHODS. ANY DISCREPANCY SHALL BE REPORTED TO THE ENGINEER.
3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL MATERIALS RELEVANT TO THE PROJECT.
4. ADDITIONAL DRAWINGS MAY BE ISSUED FOR CLARIFICATION TO ASSIST PROPER EXECUTION OF WORK. SUCH DRAWINGS WILL HAVE THE SAME STATUS AS THIS DRAWING AND WILL BE INCLUDED WITH THE CONTRACT DOCUMENTS.
5. CONTRACTOR MUST COMPLY WITH LOCAL, PROVINCIAL AND FEDERAL REGULATIONS, HEALTH AND SAFETY ACT AND ALL REGULATIONS SET BY AUTHORITIES HAVING JURISDICTION. IN CASE OF CONFLICT, THE MOST STRINGENT REQUIREMENTS SHALL APPLY.
6. CONTRACTOR RESPONSIBLE FOR OBTAINING ALL REQUIRED UTILITY LOCATES, DAYLIGHTING, PERMITS AND APPROVALS. THIS INCLUDES ALL ASSOCIATED COSTS. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY AND NOT TO BE RELIED UPON.
7. FOR EXACT LOCATIONS AND NUMBERS OF ROOF DRAINS AND SCUPPERS, REFER TO MECHANICAL, STRUCTURE AND ARCHITECTURAL DRAWINGS.
8. AFTER CONSTRUCTION, REGULAR MAINTENANCE OF ROOF STRUCTURE SHALL BE REQUIRED BY OWNER DURING WINTER TO REMOVE BLOCKAGES FROM FREEZING DUE TO SHALLOW PILING.

01	INSTALL FOUR WAY 3.0m x 10m x 150mm Ø PERFORATED SUBURBAN WRAPPED IN GEOTEXTILE SOAK EXTINGUISHING FROM C/BCHM AT PAVEMENT SURGRADE LEVEL. PROVIDE WATERTIGHT CONNECTION (TYPICAL).
02	SUPPLY AND INSTALL WATTS ROOF DRAIN CONTROLS (OR EQUIVALENT PRODUCT) TO BE INSTALLED ON ROOF DRAINS. SPECIFIC WEIR SETPOINTS IN CLOSED POSITION. MAXIMUM DISCHARGE 4.20 l/s TOTAL AT 120mm head (TYPICAL).
03	SUPPLY AND INSTALL NEW INLET CONDUIT, DEVICE FLOW REGULATOR AT CATCHBASIN MANHOLE, CBM-1, OUTLET. MAXIMUM DISCHARGE 10.70 l/s AT 0.94m head AND ORIFICE DIAMETER AT 75mm.
04	SUPPLY AND INSTALL NEW INLET CONDUIT, DEVICE FLOW REGULATOR AT CATCHBASIN, CB-1, OUTLET. MAXIMUM DISCHARGE 16.40 l/s AT 0.85m head AND ORIFICE DIAMETER AT 92mm.
05	SUPPLY AND INSTALL NEW INLET CONDUIT, DEVICE FLOW REGULATOR AT CATCHBASIN, CB-2, OUTLET. MAXIMUM DISCHARGE 14.10 l/s AT 0.84m head AND ORIFICE DIAMETER AT 85mm.
06	ROOF TOP SCUPPERS TO BE PROVIDED AT 15mm ABOVE LEVEL OF ROOF DRAINS.
07	INSTALL NEW MONITORING STORM MANHOLE, STMH-02 and 200mm Ø STORM SEWER PIPE FROM BUILDING. PROVIDE WATERTIGHT CONNECTION.
08	INSTALL NEW MONITORING SANITARY MANHOLE SANH-1 AND 150mm Ø SANITARY SEWER PIPE FROM BUILDING. PROVIDE WATERTIGHT CONNECTION.
09	CONNECT STORM AT APPROXIMATE INVERT LEVEL = 9.42' AND SANITARY SEWER AT APPROXIMATE INVERT LEVEL = 9.20' TO BUILDING. INVERT LEVELS TO BE COORDINATED AND MATCHING WITH ARCHITECTURAL, STRUCTURAL AND MECHANICAL DRAWINGS.
10	CONNECT SERVICES TO INTERIOR PLUMBING 1.0m FROM BUILDING FOUNDATION. REFER TO MECHANICAL AND ARCHITECTURAL PLANS.
11	NEW PERIMETER FOUNDATIONAL DRAINAGE (REFER TO ARCHITECTURAL) TO BE CONNECTED TO THE NEW STORM SEWER.
12	DROP STRUCTURE PER OPSD 1003.010.
13	SUPPLY AND INSTALL NEW OIL GRIT SEPARATOR UNIT TO THE FOLLOWING REQUIREMENTS:
	• MINIMUM 80% TSS REMOVAL
	• DRAINAGE AREA = 0.762 ha
	• 5 YEAR WEIGHTED RUNOFF COEFFICIENT C = 0.60
	• 100 YEAR WEIGHTED RUNOFF COEFFICIENT C = 0.88
	• 5 YEAR FLOWS = 44.0 LPS
	• 100 YEAR FLOW = 45.4 LPS
14	SUPPLY AND INSTALL BACKFLOW VALVES ON SANITARY AND STORM BUILDING CONNECTION AS PER CITY OF OTTAWA REQUIREMENT. STORM SERVICE BACKFLOW VALVE AS PER CITY OF OTTAWA STANDARD DETAIL S14, AND SANITARY BACKFLOW VALVE AS PER S14.1 AND S14.2. REFER TO MECHANICAL DRAWINGS
15	PROVIDE 100mm HIGH LOAD RIGID INSULATION PLACED WITHIN SUBGRADE. INSULATION SHALL BE 2.0m wide ABOVE PIPE WHERE INDICATED (TYPICAL) AS PER CITY OF OTTAWA DETAIL S35.
16	SUBDRAINS SHOULD BE INSTALLED UNDER CURBS ON THE SIDES OF THE ACCESS ROAD AND PARKING AREA AND TO CONNECT TO THE NEW STORM SEWER NETWORK. SEE GEOTECHNICAL NOTES AND REFER TO GEOTECHNICAL REPORT.
17	PROVIDE INSULATION UNDER ENTRANCE PAVING/PAVEDS 3m BEYOND DOORS.
18	BREAK IN AND CONNECT TO EXISTING STORM MANHOLE. PROVIDE WATERTIGHT CONNECTION. PROVIDE NEW 450mm PVC PIPE INVERT CONNECTION AT ELEVATION 93.70, CONTRACTOR TO CONFIRM MUNICIPAL SEWER INVERTS PRIOR TO CONSTRUCTION. CONNECTION SHALL BE MADE WITH CORE LINDING.
19	INSTALL NEW STORM MANHOLE, STMH-03, OVER EXISTING 450mm CONCRETE PIPE. EXISTING 450mm PIPE INVERTS AT APPROX. 93.67m AND 93.65m. PROVIDE NEW 1.0m x 450mm STORM SEWER PIPE ON EACH SIDE OF NEW STMH-03 TO CONNECT TO EXISTING 450mm CONCRETE PIPE. PARGE AND PROVIDE WATERTIGHT CONNECTION. CONTRACTOR TO CONFIRM EXISTING SEWER INVERTS PRIOR TO CONSTRUCTION.
20	BREAK IN AND CONNECT TO EXISTING SANITARY MANHOLE WITH NEW 150mm PIPE. PROVIDE NEW 150mm PERFORMA FIBRE WERT CONNECTION AT ELEVATION 91.80. PROVIDE WATERTIGHT CONNECTION CONTRACTOR TO CONFIRM MUNICIPAL, SANITARY SEWER INVERTS PRIOR TO CONSTRUCTION. CONNECTIONS SHALL BE MADE WITH CORE LINDING.
21	EXISTING CATCH BASIN TO BE REMOVED
22	SUPPLY AND INSTALL NEW INLET CONDUIT, DEVICE FLOW REGULATOR AT CATCHBASIN, CB-3, OUTLET. MAXIMUM DISCHARGE 11.50 l/s AT 0.93m head AND ORIFICE DIAMETER AT 75mm.
23	SUPPLY AND INSTALL NEW INLET CONDUIT, DEVICE FLOW REGULATOR AT CATCHBASIN, CB-6, OUTLET. MAXIMUM DISCHARGE 10.40 l/s AT 0.88m head AND ORIFICE DIAMETER AT 75mm.
24	SUPPLY AND INSTALL NEW INLET CONDUIT, DEVICE FLOW REGULATOR AT CATCHBASIN, CB-8, OUTLET. MAXIMUM DISCHARGE 9.70 l/s AT 0.79m head AND ORIFICE DIAMETER AT 75mm.
25	NEW PERIMETER FOUNDATIONAL DRAINAGE (REFER TO ARCHITECTURAL) TO BE CONNECTED TO BUILDING STORM SERVICE CONNECTION. FOUNDATION DRAIN TO BE EQUIPPED WITH BACKFLOW VALVE AS PER CITY OF OTTAWA STANDARD DETAIL S14. REFER TO MECHANICAL DRAWINGS.
26	SUPPLY AND INSTALL NEW OIL GRIT SEPARATOR UNIT TO THE FOLLOWING REQUIREMENTS:
	• MINIMUM 80% TSS REMOVAL
	• DRAINAGE AREA = 0.137 ha
	• 5 YEAR WEIGHTED RUNOFF COEFFICIENT C = 0.50
	• 100 YEAR WEIGHTED RUNOFF COEFFICIENT C = 1.00
	• 5 YEAR FLOWS = 30.5 LPS
	• 100 YEAR FLOW = 31.9 LPS
27	EXISTING 150mm SANITARY SERVICE FOR EXISTING BUILDING TO REMAIN AS PER AS CONSTRUCTED SERVING GRADING AND DRAINAGE PLAN BY CAPITAL ENGINEERING LTD DATED 2013/11/25.
28	EXISTING 200mm STORM SERVICE FOR EXISTING BUILDING ROOF DRAINS AND FOUNDATION DRAINS TO REMAIN AS PER AS CONSTRUCTED SERVING GRADING AND DRAINAGE PLAN BY CAPITAL ENGINEERING GROUP LTD DATED 2013/11/25.
29	EXISTING WATER WELL TO REMAIN
30	CONTRACTOR TO PROVIDE CCTV OF EXISTING BUILDING SERVICE PRIOR TO CONSTRUCTION



1. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ISSUES/PROBLEMS WHICH MAY OCCUR AS A RESULT OF A FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS AND THE REQUIREMENTS OF THE CITY OF JUPITER.
2. WHERE THERE ARE ALLEGED ERRORS, OMISSIONS, INCONSISTENCIES OR AMBIGUITIES PRESENT IN THE CONTRACT DOCUMENTS, THE CONTRACTOR MUST SEEK CLARIFICATION FROM JP20. ANY COSTS OR SCHEDULE DELAYS WHICH RESULT AS A FAILURE TO CONTACT THE CONTRACTOR FOR CLARIFICATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. DO NOT SCALE DRAWINGS OR REFER ANY DIMENSIONAL CLARIFICATIONS AND/OR POSIBLE TRADE INTERFERENCES/CONFLICTS TO JP20 FOR CLARIFICATION PRIOR TO COMMENCEMENT OF THE WORK.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION WITH SUBTRADEES AND SUPPLIERS PRIOR TO COMMENCEMENT OF THE WORK. THE CONTRACTOR SHALL COORDINATE THESE PRIOR TO ISSUING REQUESTS FOR INFORMATION FROM JP20.
5. THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN TO SCALE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXACT POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED, BEFORE STARTING WORK. THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO SUCH UTILITIES AND STRUCTURES.

3	2025-05-14	RI/AS	ISSUED FOR SITE PLAN CONTROL REV-1
2	2025-03-25	RW/AS	ISSUED FOR BUILDING PERMIT
1	2025-03-07	RW/AS	ISSUED FOR 99% REVIEW
No.	YYYY-MM-DD	BY	DESCRIPTION

ST. PHILIP CATHOLIC SCHOOL
ADDITION 2025

79 MAITLAND STREET S
RICHMOND, ONTARIO, K0A 2Z0

SITE SERVICING PLAN



Jp2g PROJECT No.: 24-1045A

SCALE

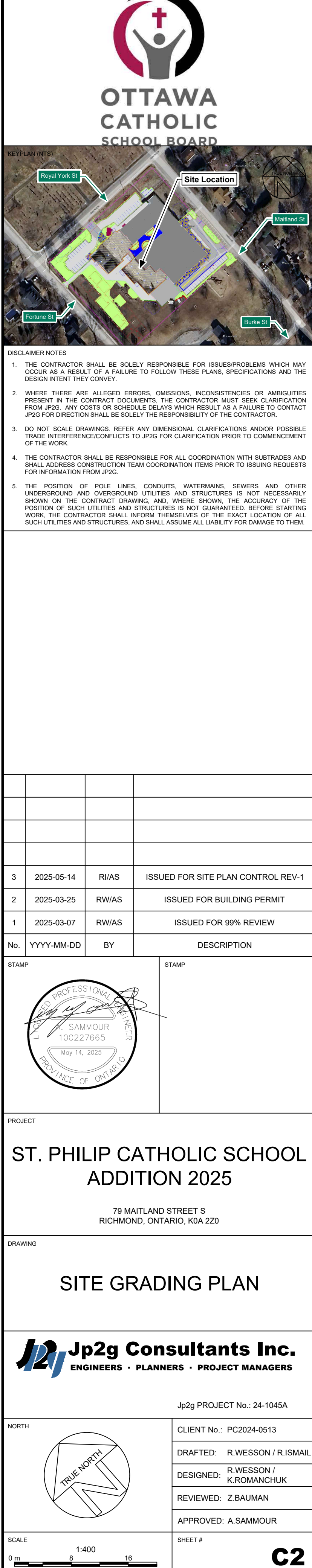
SHEET #

C1

DRAWING NOTES	
01	MATCH EXISTING GRADES AT PROPERTY LINE AND LIMITS OF WORK.
02	INSTALL HEAVY DUTY PAVEMENT IN ACCORDANCE WITH DETAIL 2/C3 ACCORDINGLY. PROVIDE POSITIVE DRAINAGE TOWARDS STORM STRUCTURE.
03	INSTALL LIGHT DUTY PAVEMENT IN ACCORDANCE WITH DETAIL 1/C3 ACCORDINGLY. PROVIDE POSITIVE DRAINAGE TOWARDS STORM STRUCTURES.
04	GRADES TO SLOPE AWAY FROM THE BUILDING TO PROVIDE POSITIVE DRAINAGE.
05	ANY DISTURBED AREA WITHIN THE RIGHT-OF-WAY SHALL BE RESTORATED TO EQUAL OR BETTER CONDITION TO THE SATISFACTION OF THE CITY OF OTTAWA
06	PROTECT EXISTING BELT PEDESTAL DURING CONSTRUCTION.
07	CONSTRUCT PRIVATE ENTRANCE AS PER CITY OF OTTAWA STANDARD DETAIL S26.
08	GRADE TO BE 10mm LOWER THAN EXISTING / PROPOSED DOOR SILL.
09	TOP OF BANK, PROVIDE MAXIMUM 3:1 SLOPE TO TIE INTO EXISTING / PROPOSED GRADES.
10	CONTRACTOR TO PROVIDE TRENCH BOX FOR EXCAVATION IN PROXIMITY OF MUNICIPAL RIGHT OF WAY FOR PROPOSED STORM SEWER CONNECTION AS PER DETAIL 4/C3.
11	NEW RAMP & TYSI 5% PREFERRED SLOPE AS PER OPSD 310.039 (SEE ARCHITECTURAL).
12	CONSTRUCT MONOLITHIC SIDEWALK AS PER CITY OF OTTAWA STANDARD DETAIL SC2 AND SC35. PROVIDE MAXIMUM SLOPE OF 2.0%. INSTALL REINFORCING MESH (50X150mm (MIN) XMM91) THROUGHOUT NEW SIDEWALK. TOP SORE WIRE MESH AT EXPANSION JOINTS.
13	INSTALL NEW BARRIER CURB AS PER CITY OF OTTAWA DETAIL SC1.1
14	INSTALL NEW DEPRESSED CURB AS PER CITY OF OTTAWA DETAIL SC1.1
15	SAW CUT INTO EXISTING ASPHALT AS PER DETAIL 3/C3. MATCH EXISTING PAVEMENT AND GRANULAR STRUCTURE.
16	NEW ACCESSIBLE PARKING ACCESS RAMP. PROVIDE MAXIMUM 8% SLOPE. REFER TO ARCHITECTURAL DETAILS
17	CONSTRUCT NEW SWALE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD DETAIL DRAWING S29.
18	EXISTING DITCH TO BE RE-ALIGND / RE-GRADED AND CLEANED TO MEET PROPOSED PARKING LOT TOP OF CURB GRADES.
19	PROVIDE TOPSOIL AND SOD GRADING FROM EXISTING EDGE OF SIDEWALK TO THE INTO NEW PROPOSED SWALE GRADING. PROVIDE MAX 3H:1V SLOPES
20	TIE INTO EXISTING GRADES AT EXISTING FENCE LINE
21	MATCH NEW ASPHALT WALKWAY GRADES INTO EXISTING ASPHALT / CONCRETE WALKWAY GRADES
22	EXISTING HYDRO GENERATOR AND CONCRETE PAD TO REMAIN.
23	TIE NEW ASPHALT INTO EXISTING ASPHALT GRADING / SWALE. MATCH EXISTING ASPHALT GUTTER GRADING TO EXISTING CATCH BASIN STRUCTURE.
24	EXISTING FIRE PUMP HOUSE TO REMAIN

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. ALL DIMENSIONS ARE TO 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 PRECEDENCE 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 JURISDICTIONAL IN CASE OF CONFLICT OR DISCREPANCY, THE MORE STRINGENT REQUIREMENTS SHALL APPLY.
6. CONTRACTOR RESPONSIBLE FOR OBTAINING ALL REQUIRED UTILITY LOCATES, DAYLIGHTINGS, 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 ROW OR ADJACENT PROPERTY, CONTRACTOR IS RESPONSIBLE TO ENSURE ADDITIONAL PERMIT AND/OR PERMISSION



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 AND THE CONSULTANT.

- THE POSITION OF EXISTING POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND SURFACE UTILITIES SHALL BE LOCATED AND THE TOLERANCES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWING, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND TOLERANCES IS NOT GUARANTEED. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL SATISFY HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND LOCATIONS, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM DURING THE COURSE OF CONSTRUCTION. ANY RELOCATION OF EXISTING UTILITIES REQUIRED BY THE POSITION OF ANY OF SUCH POLE 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 OF ALL EXISTING UTILITIES AND SERVICES LOCATED IN THE FIELD OR EXPOSED PRIOR TO THE START OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO POTENTIAL COLLISIONS.
- ALL TRENCHING AND EXCAVATIONS TO BE IN ACCORDANCE WITH THE LATEST REVISIONS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS AS WELL AS ANY OTHER RECOMMENDATIONS INCLUDED IN THE GEOTECHNICAL REPORT.
- REFER TO ARCHITECTS PLANS FOR BUILDING DIMENSIONS, LAYOUT AND REMOVALS. REFER TO LANDSCAPE PLAN FOR PLANT MATERIAL AND PLANTING. ALL INFORMATION FOR CONSTRUCTION SHALL BE CONFIRMED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- TOPOGRAPHIC SURVEY COMPLETED AND PROVIDED TO THE CLIENT IN DIGITAL AND PRINT FORM (1:10, 1:100 AND 1:111) FOR 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 POLES AND SLOPES 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 FINISH ELEVATION SHALL BE WITH STEP JOINTS OF 500mm WIDTH MINIMUM.
- ALL DISTURBED AREAS OUTSIDE PROPOSED GRADING LIMITS TO BE RESTORED TO ORIGINAL ELEVATIONS AND CONDITIONS. ALL EXISTING AND PROPOSED GRADING SHALL BE VERIFIED AND COMPLETED WITH THE GEOTECHNICAL REQUIREMENTS FOR BACKFILL AND COMPACTION.
- ADDITIONAL GRADING TO BE MATCHED UNLESS OTHERWISE SHOWN.
- CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE MUNICIPAL AUTHORITIES FOR ALL EXISTING AND PROPOSED 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 FROM ALL EXCAVATIONS AND TRENCHES. ALL EXISTING AND ROADWAY LOCATIONS, ALL EXCESS SOIL MANAGEMENT, TESTING AND DISPOSAL, MUST COMPLY WITH CURRENT O.R.G. 4000. 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 VERIFY THE EXISTING UTILITY LOCATION AND DEPTH OF EXISTING UTILITIES AND REPORT ANY DISCREPANCIES OR CONFLICTS TO THE ENGINEER BEFORE ANY WORK BEGINS.
- CONTRACTOR TO OBTAIN POST-CONSTRUCTION TOPOGRAPHIC SURVEY, COMPLETED BY OLS OR P.E.GS CONFIRMING COMPLIANCE WITH DESIGN GRADING AND SERVICING. SURVEY TO BE SUBMITTED TO THE LOCAL MUNICIPALITY FOR ALL UTILITIES.
- ABIDE BY RECOMMENDATIONS OF GEOTECHNICAL REPORT. REPORT ANY VARIATIONS IN OBSERVED CONDITIONS FROM THOSE INCLUDED IN REPORT.
- REPORT REFERENCES:
 - I. GEOTECHNICAL INVESTIGATION PREPARED BY PATERSON GROUP, PROJECT NO.: PG2765-LET 01, DATED OCTOBER 16, 2024
 - II. PROVIDE CPTV INSPECTION REPORT FOR ALL SEWERS AND CATCHBASINS LEADING 200mm DIAMETER AND LARGER. REPEAT CPTV INSPECTION FOLLOWING RECTIFICATION OF ANY DEFICIENCIES.

1. ALL SANITARY SEWER, SANITARY SEWER APPURTENANCES AND CONSTRUCTION METHODS SHALL CONFORM TO THE CITY OF ONTARIO STANDARDS AND SPECIFICATIONS, PROVIDE CCTV INSPECTION REPORTS FOR ALL NEW SANITARY PIPING, PROVIDE DYE TESTING FOR NEW SEWERS
2. 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-182.2.4.3.
3. SEWER BEDDING AS PER OPSD 802.031.
4. ALL SANITARY MANHOLES 1200mm IN DIAMETER TO BE AS PER OPSD 701.01 FRAME AND COVER TO BE AS OPSD 401.01 (TYPE A).
5. MAINTENANCE HOLE BENCHING AND PIPE OPENING ALTERNATIVES AS PER THE OPSD 701.021.
6. ANY SANITARY SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PER OPSD 1109.03, OR APPROVED BY THE ENGINEER.

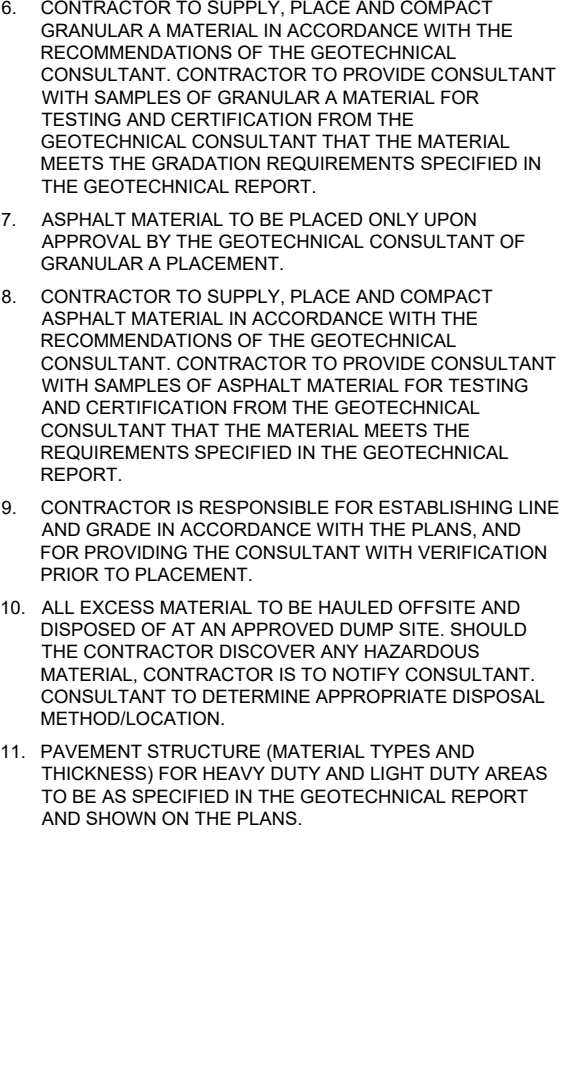
1. ALL STORM SEWER MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO THE CURRENT ONTARIO STANDARDS AND SPECIFICATIONS, NON-DESTRUCTIVE CTI INSPECTION REPORTS FOR ALL NEW STORM SEWERS, SEWER MANHOLES AND CB LEADS.
2. STORM SEWERS 375mm DIAMETER AND SMALLER SHALL BE PVC SDR-35, WITH RUBBER GASKET PER CSA A-257.3 UNLESS OTHERWISE NOTED.
3. STORM SEWER 450mm AND LARGER SHALL BE REINFORCED CONCRETE CLASS 100 UNLESS OTHERWISE NOTED.
4. SEWER BEDDING AS PER OPSD 802.031.
5. ALL STORM MANHOLES TO BE AS PER MANHOLE AND CHATBASCHIN SCHEDULE.
6. ANY NEW OR EXISTING STORM SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PER OPSD 1109.030, OR APPROVED BY THE ENGINEER.
7. ALL CHATBASCHIN LEADS TO BE MINIMUM 200mm DIAMETER AT MINIMUM 1.0% SLOPE UNLESS OTHERWISE SPECIFIED.
8. STORM CHATBASCHIN AS PER OPSD 705.010 AND CHATBASCHIN CHATBASCHIN LEADS TO BE INDICATED IN TABLE WITH SUMP, ADJUSTMENT SECTIONS SHALL BE AS PER OPSD 704.010 AND FRAME/COVER OPSD 401.010 (TYPE B).
9. INSTALLATION OF FLOW CONTROL IC'D'S TO BE VERIFIED BY QUALITY VERIFICATION ENGINEER RETAINED BY CONTRACTOR.

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

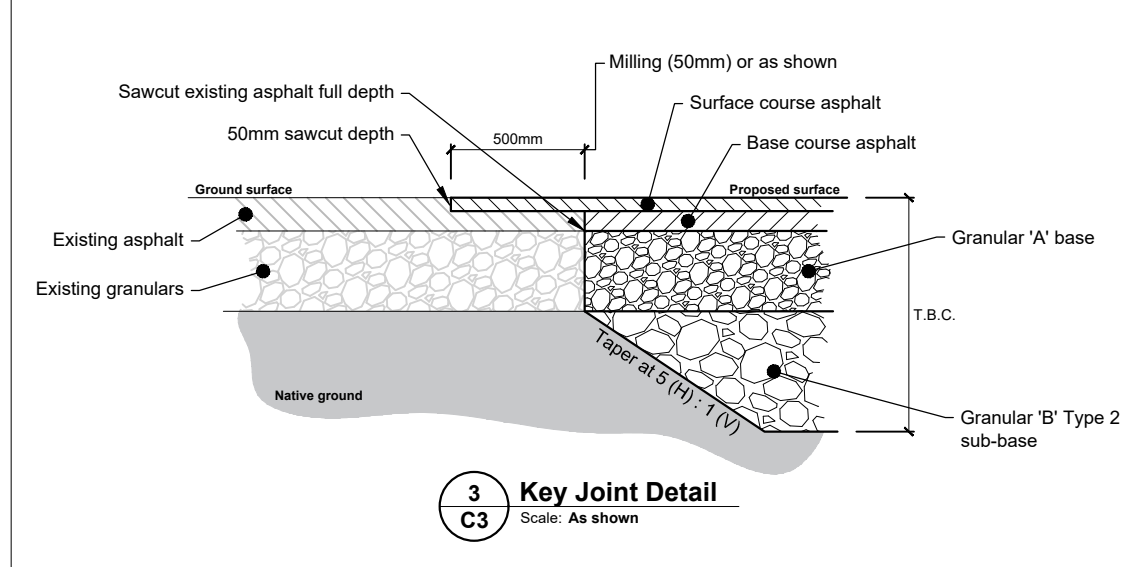
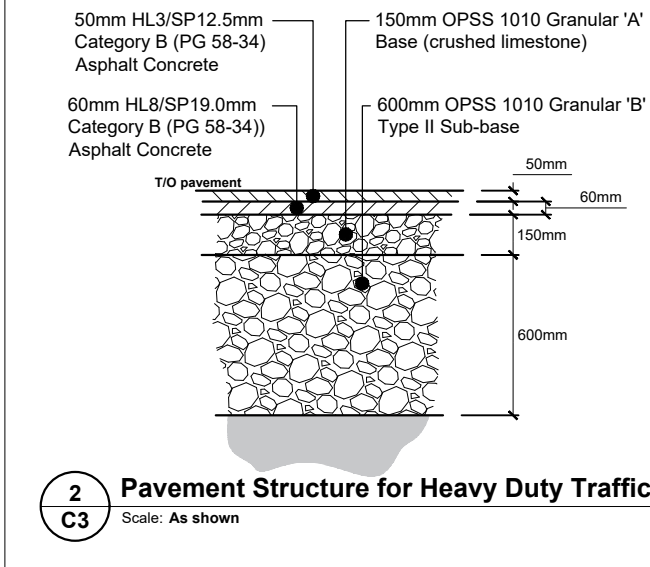
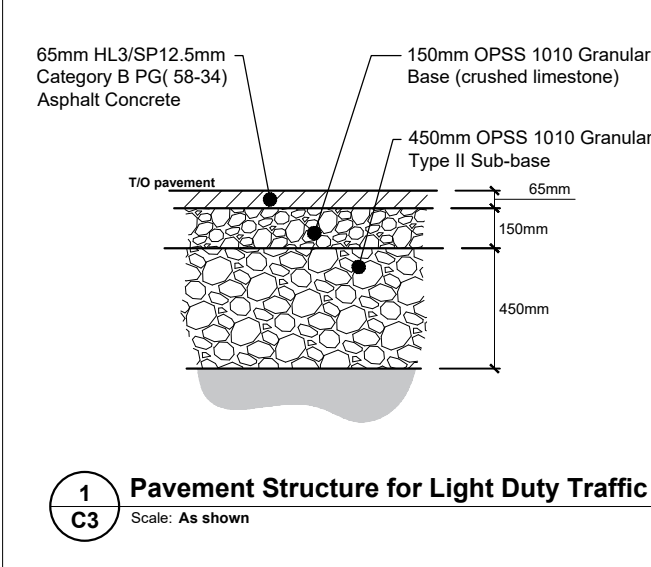
1. PRIOR TO START OF CONSTRUCTION:
 - 1.1. INSTALL SILT FENCE IN LOCATION SHOWN ON DWG C-4
 - 1.2. INSTALL FILTER FABRIC OR SILT SACK FILTERS IN ALL CATCHBASINS AND MANHOLES TO REMAIN DURING CONSTRUCTION WITHIN 10' OF THE SATURATION DETAIL
 - 1.3. INSPECT MESURES IMMEDIATELY AFTER INSTALLATION
2. DURING CONSTRUCTION:
 - 2.1. MINIMIZE THE EXTENT OF DISTURBED AREAS AND THE EXTENT OF EXPOSURE AND IMPACTS TO EXISTING GRADING.
 - 2.2. PERMITTER VEGETATION TO REMAIN IN PLACE UNTIL PERMITTER STOP WORK MANAGEMENT IS IN PLACE FOR EROSION IMMEDIATELY AFTER STOP WORK WHEN THE EXISTING SITE IS DISTURBED AT THE PERIMETER.
 - 2.3. PROTECT DISTURBED AREAS FROM OVERLAND FLOW AND EROSION TEMPORARILY BY CONSTRUCTION OF THE SATURATION OF THE FIELD ENGINEER. TIE-IN TEMPORARY SWALE TO EXISTING CB'S AS REQUIRED.
 - 2.4. PROVIDE TEMPORARY COVER SUCH AS SEEDING OR MULCHING OF DISTURBED AREAS WILL NOT BE REHABILITATED WITHIN 30 DAYS.
 - 2.5. INSPECT SILT FENCES, FILTER FABRIC FILTERS AND CATCH BASIN SUMPS AND CLEAN AS NECESSARY AFTER A STORM EVENT, CLEAN AND REPAIR WHEN NECESSARY.
 - 2.6. DRAWING TO BE REVIEWED AND REVISED AS REQUIRED BY THE PERMITTING AGENCY.
 - 2.7. EROSION CONTROL FENCING TO BE ALSO INSTALLED AROUND THE BASE OF ALL EXCAVATIONS.
 - 2.8. DO NOT LOCATE TOPSOIL PILES, STOCKPILES OR CATERAL, 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 NOT FOR REMEDIATION SITE LONG 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 WITH SEEDING WATERING TO MAINTAIN MOISTURE TO THE SATISFACTION OF THE ENGINEER).
 - 2.10. NO ALTERNATE METHODS OF EROSION PROTECTION SHALL BE PERMITTED UNLESS APPROVED BY THE FIELD ENGINEER.
 - 2.11. CITY 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 SCRAPPED.
 - 2.13. ANY MUDMATERIAL TRACKED ONTO THE ROAD SHALL BE REMOVED IMMEDIATELY BY HAND OR RUBBER TIRE LOCATOR.
 - 2.14. TAKE ALL NECESSARY STEPS TO PREVENT BUILDING MATERIAL, CONSTRUCTION DEBRIS OR WASTE BEING TRACKED OR DRIVEN TO ADJACENT 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 DISTURBED AREAS ARE FULLY STABILIZED EITHER BY PAYING OR RESTORATION OF VEGETATIVE GROUND COVER.
 - 2.16. THE CONTRACTOR SHALL FOLLOW THE BEST MANAGEMENT PRACTICES, TO PROVIDE FOR PROTECTION OF THE APPEAL DRAINAGE SYSTEM AND THE RECEIVING WATERCOURSE.
 - 2.17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ACKNOWLEDGEMENT THAT FAILURE TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO FINES IMPOSED BY AN APPLICABLE REGULATORY AGENCY.

1. EXCAVATE AND REMOVE ALL ORGANIC MATERIAL AND DEEPLY LOCATED WITHIN THE PROPOSED BUILDING, FOUNDATION, PAVERS, CURBS, DRIVEWAYS, SIDEWALKS, PATCHES, EXISTING MATERIAL REMOVAL FROM SITE SHALL FOLLOW THE RECOMMENDATIONS AND ENVIRONMENTAL ENGINEER'S RECOMMENDATION.
2. CONTRACTOR TO STOCKPILE UNUSABLE FILL TO BE REMOVED FROM SITE TO ALLOW THE GEOTECHNICAL ENGINEER IN 96 HOURS TO INSPECT THE MATERIALS AND TO PROVIDE GUIDANCE TO THE CONTRACTOR ON HOW TO PROCEED. THE MEASURE ARE TO BE APPLIED TO STOCKPILE AREA. EXCESS MATERIAL MAY BE DISPOSED AS PER THE REQUIREMENT OF OPSS 180.
3. IF CONTAMINATION HAZARDOUS MATERIAL IS SUSPECTED DURING CONSTRUCTION (E.G. STAINING, ODOURS, ETC.), THE CONTRACTOR SHALL STOP WORK IMMEDIATELY AND NOTIFY PROJECT LEADER, PRIME CONSULTANT, AND GEOTECHNICAL ENGINEER, FOR DIRECTION ON HOW TO PROCEED ACCORDING TO THE PROJECT PROCEEDING. THE CONTRACTOR SHALL GEOTECHNICAL ENGINEER UNDER THE GUIDANCE OF A QUALIFIED PERSONNEL, MUST DETERMINE IF ADDITIONAL TESTING FOR EACH SOURCE OF SUSPECTED CONTAMINATION TO MEET MINIMUM SAMPLING PROVISIONS UNDER OREG. 406.19 (AS AMENDED).
4. EXCESS SOIL MANAGEMENT, TESTING AND DISPOSAL MUST COMPLY WITH OREG. 406.19 (AS AMENDED).
5. ALL SOIL HAULAGE RECORDS SHALL BE KEPT AND PROVIDED TO THE CONTRACTOR AND SUBMITTED TO THE CONSULTANT.
6. ALL EXCESS MATERIAL TO BE REMOVED FROM SITE AND DISPOSED AT AN APPROVED DUMP SITE BY CONTRACTOR.

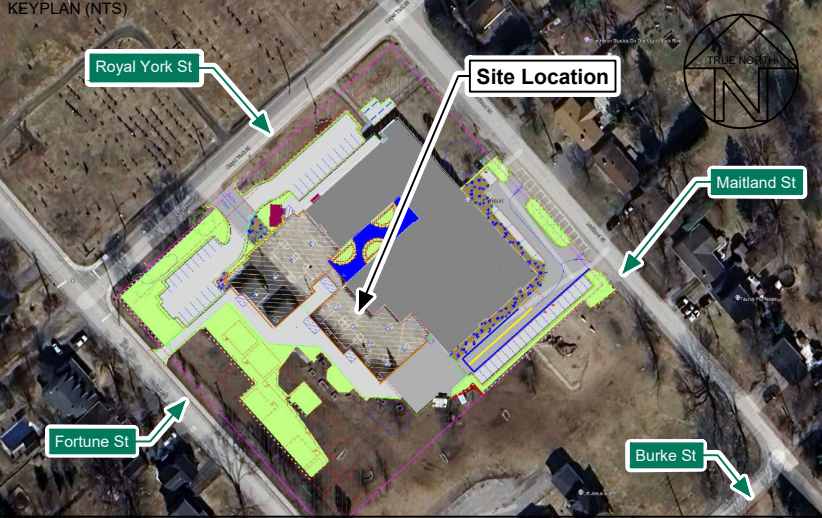
1. CONTRACTOR TO REINSTATE ROAD CUTS AS PER CITY OF OTTAWA DETAIL R10.
2. CONTRACTOR TO PREPARE SUBGRADE, INCLUDING PROOFROLLING, TO SATISFACTION OF THE GEOTECHNICAL CONSULTANT PRIOR TO THE COMMENCEMENT OF PLACEMENT OF GRANULAR B MATERIAL.
3. FILL TO BE PLACED AND COMPACTED PER THE GEOTECHNICAL REPORT 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 THE GRADATION REQUIREMENTS SPECIFIED IN THE GEOTECHNICAL REPORT.



CROSSING TABLE					
LOCATION	OVER / UNDER	T/G	OBVERT	INVERT	CLEARANCE (m)
	NEW SANTARY - NEW STORM SEWER	95.16	93.18 (SAN)	94.12 (STM)	0.94

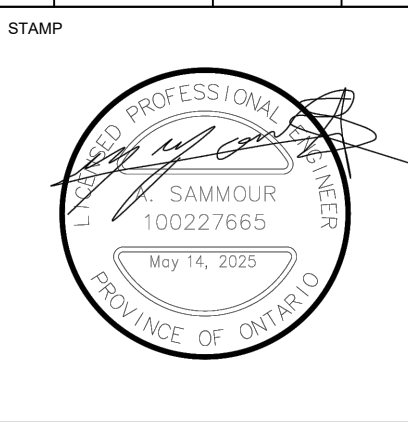


NEW STRUCTURE SCHEDULE					
MANHOLE NO.	DESCRIPTION	T/GRATE ELEVATION	INVERT ELEVATION / PIPE DIAMETER	OPSD No.	FRAME (CITY OF OTTAWA)
CB-1	600x600mm Catchbasin	94.80	NW INV.: 94.02 - 200mmØ	705.010	S19
CB-2	600x600mm Catchbasin	94.89	SW INV.: 94.03 - 300mmØ	705.010	S19
CB-3	600x600mm Catchbasin	95.15	NE INV.: 94.00 - 300mmØ SW INV.: 93.99 - 300mmØ	705.010	S19
CB-4	600x600mm Catchbasin	94.70	NW INV.: 94.04 - 300mmØ	705.010	S19
CB-5	600x600mm Catchbasin	94.75	NE INV.: 93.84 - 300mmØ	705.010	S19
CB-6	600x600mm Catchbasin	94.68	SE INV.: 93.82 - 300mmØ	705.010	S19
CB-7	600x600mm Catchbasin	94.62	NW INV.: 93.87 - 200mmØ	705.010	S19
CB-8	600x600mm Catchbasin	95.15	SW INV.: 94.09 - 300mmØ	Standard	Standard
CBMH-1	1,200mmØ Manhole	94.80	NE INV.: 93.87 - 300mmØ SE INV.: 93.87 - 300mmØ NW INV.: 93.86 - 375mmØ	701.010	S25/S28.1
OGS-01	1,200mmØ Manhole	95.02	SE INV.: 93.72 - 450mmØ SW INV.: 93.72 - 450mmØ	701.010	S25/S24.1
OGS-02	1,200mmØ Manhole	94.79	SW INV.: 93.72 - 300mmØ NW INV.: 93.74 - 300mmØ NE INV.: 93.74 - 375mmØ	701.010	S25/S24.1
SAMH-1	1,200mmØ Manhole	95.12	SE INV.: 93.12 - 150mmØ N INV.: 93.06 - 150mmØ	701.010	S25/S24
SAMH-2	1,200mmØ Manhole	95.08	S INV.: 92.91 - 150mmØ N INV.: 91.84 - 150mmØ S INV.: 91.86 - 150mmØ	701.010 / 1003.010 DROP STRUCTURE	S25/S24
STHM-1	1,200mmØ Manhole	95.12	SE INV.: 93.76 - 375mmØ NE INV.: 93.75 - 375mmØ NW INV.: 93.75 - 450mmØ	701.010	S25/S24.1
STMH-2	1,200mmØ Manhole	94.97	SE INV.: 94.14 - 200mmØ NE INV.: 93.85 - 300mmØ SW INV.: 93.84 - 375mmØ	701.010	S25/S24.1
STMH-3	1,200mmØ Manhole	94.65	SW INV.: 93.72 - 375mmØ NW INV.: 93.67 - 450mmØ SE INV.: 93.65 - 450mmØ	701.010	S25/S24.1



3. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ISSUES/PROBLEMS WHICH MAY BE ENCOUNTERED WHILE ATTEMPTING TO FOLLOW THESE PLANS, SPECIFICATIONS AND THE DESIGN INTENT THEY CONVEY.
4. WHERE THERE ARE ALTERED ORRISONS, OMISSIONS, INCONSISTENCIES OR AMBIGUITIES IN THE CONTRACT DRAWINGS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESOLVING THEM FROM JPS2. ANY COSTS OR SCHEDULE DELAYS WHICH RESULT AS A FAILURE TO CONTACT JPS2 FOR CLARIFICATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS. THE CONTRACTOR DOES NOT SCALE DRAWINGS. REVIEW ANY DIMENSIONAL CLARIFICATIONS AND/OR POSSIBLE TRADE INTERFERENCES/CONFLICTS TO JPS2 FOR CLARIFICATION PRIOR TO COMMENCEMENT OF THE WORK.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION WITH SUBTRADE EXISTING AND SHALL ADDRESS STRUCTURE TEAM COORDINATION ITEMS PRIOR TO ISSUING REQUESTS FOR INFORMATION FROM JPS2.
7. THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UTILITIES AND SURROUNDING UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWING, AND WHERE SHOWN, THE ACCURACY OF THE LOCATION OF ALL UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. PRIOR TO ANY WORK, THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL UTILITIES AND STRUCTURES.

3	2025-05-14	RI/AS	ISSUED FOR SITE PLAN CONTROL REV-1
2	2025-03-25	RW/AS	ISSUED FOR BUILDING PERMIT
1	2025-03-07	RW/AS	ISSUED FOR 99% REVIEW
No.	YYYY-MM-DD	BY	DESCRIPTION



PROJECT

ST. PHILIP CATHOLIC SCHOOL
ADDITION 2025

79 MAITLAND STREET S
RICHMOND, ONTARIO, K0A 2Z0

DRAWING

DETAILS, NOTES AND SCHEDULES



Jp2g PROJECT No.: 24-1045A

NORTH 	CLIENT No.: PC2024-0513
	DRAFTED: R.WESSON / R.ISMAIL
	DESIGNED: R.WESSON / K.ROMANCHUK
	REVIEWED: Z.BAUMAN

SCALE AS SHOWN

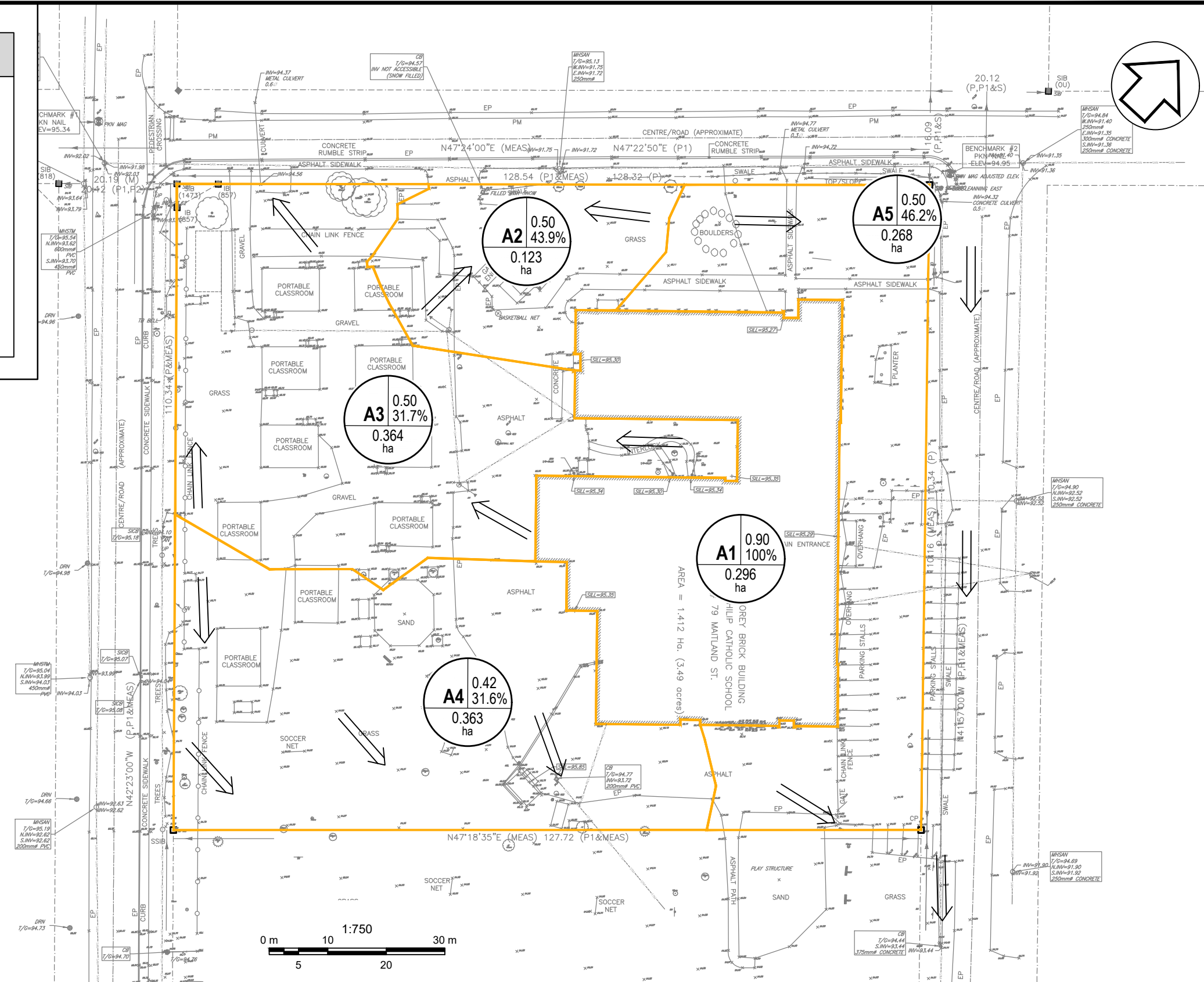
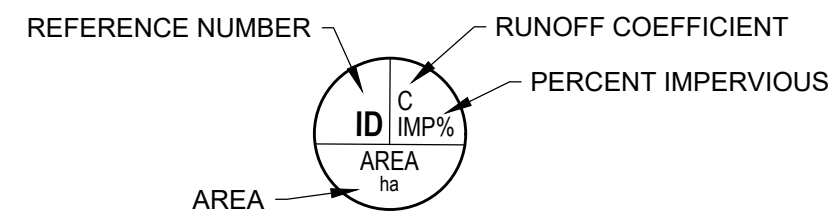
SHEET #

C3

LEGEND

- DRAINAGE AREA BOUNDARY
- DRAINAGE FLOW DIRECTION

DRAINAGE AREA LABEL



DESIGNED: KR	CLIENT No.:
DRAFTED: KR	REVISION DATE: 2025-05-14
CHECKED: SA	APPROVED: SA
SCALE: 1:750	REVISION No.: 1
	FIGURE 1

 DRAINAGE AREA BOUNDARY

 DRAINAGE FLOW DIRECTION

REFERENCE NUMBER 5 YR RUNOFF COEFFICIENT 100 YR RUNOFF COEFFICIENT

