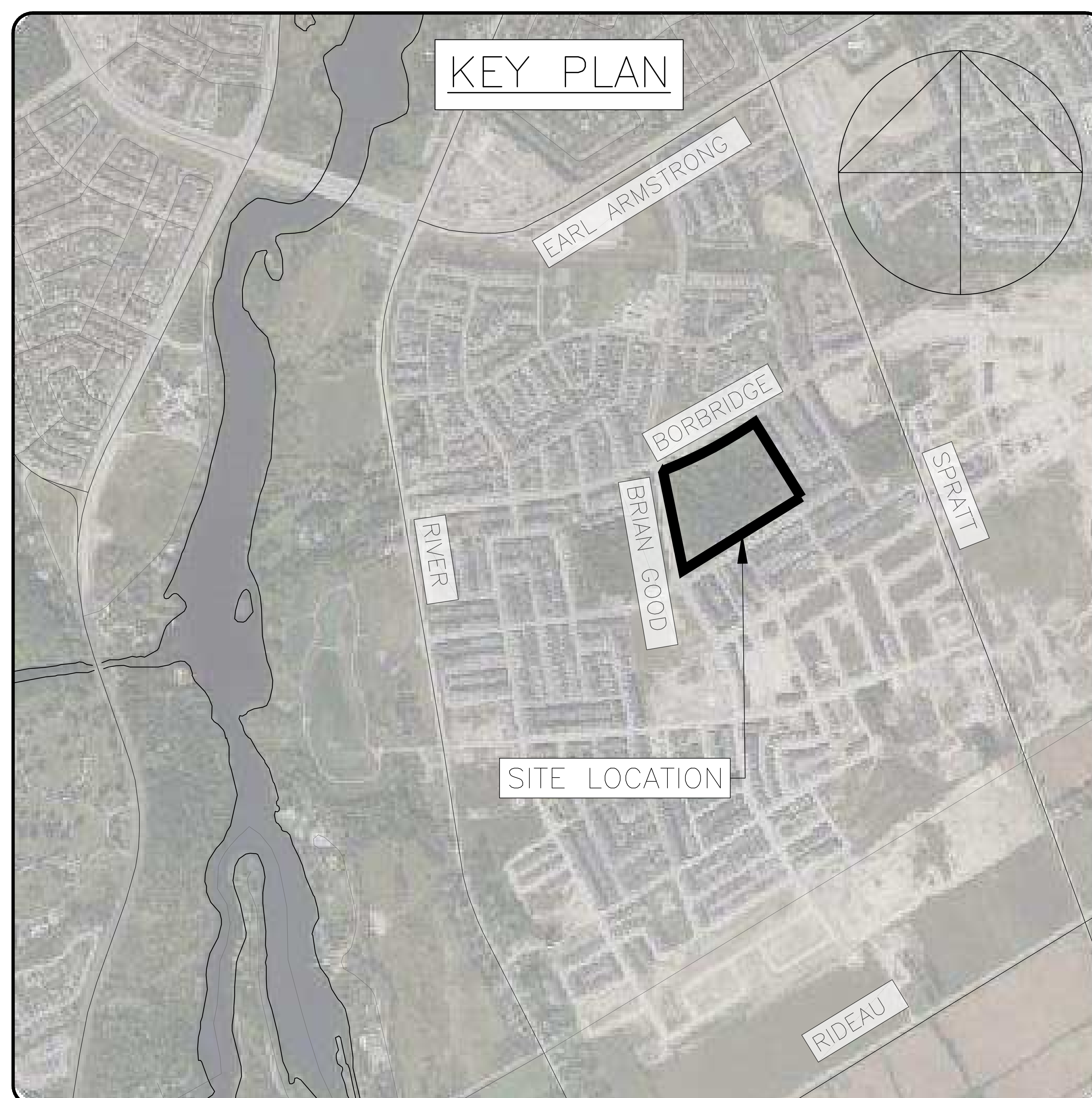


NEW CATHOLIC HIGH SCHOOL
RIVERSIDE SOUTH
675 BORBRIDGE AVE,
MANOTICK, ON K4M 0E2



DWG NO.	DWG TITLE	DATE
	COVER SHEET	2025-09-11
C000	NOTES & DETAILS	2025-09-11
C001	EXISTING CONDITIONS AND REMOVALS PLAN	2025-09-11
C100	SITE SERVICING PLAN	2025-09-11
C200-1	SITE GRADING PLAN - INTERIM	2025-09-11
C200-2	SITE GRADING PLAN - ULTIMATE	2025-09-11
C300	EROSION AND SEDIMENT CONTROL PLAN	2025-09-11
C500	POST-DEVELOPMENT SITE CATCHMENTS	2025-09-11

7	2025-09-11	RE-ISSUED FOR SITE PLAN CONTROL	AKJ
6	2025-07-31	ISSUED FOR TENDER	AKJ
5	2025-07-07	ISSUED FOR BUILDING PERMIT	AKJ
4	2025-07-02	ISSUED FOR 99% SUBMISSION	AKJ
3	2025-06-17	RE-ISSUED FOR SITE PLAN CONTROL	AKJ
2	2025-05-09	ISSUED FOR 60% CLIENT REVIEW	AKJ
1	2025-04-04	ISSUED FOR SITE PLAN CONTROL	AKJ
	2025-03-14	ISSUED FOR 33% CLIENT REVIEW	AKJ
no.	date	revision / issue	by

GENERAL NOTES:

1. ALL WORKS AND MATERIALS SHALL CONFORM TO THE LATEST REVISIONS OF THE STANDARDS AND SPECIFICATIONS OF THE CITY OF OTTAWA, ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD) AND SPECIFICATIONS (OPSS), WHERE APPLICABLE.
2. THE LOCATION OF UTILITIES IS APPROXIMATE ONLY, AND THE EXACT LOCATION SHOULD BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES CONCERNED. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE THE LOCATION AND STATUS OF UTILITIES AND SHALL BE RESPONSIBLE FOR ADEQUATE PROTECTION OF PLANT AND EQUIPMENT FROM DAMAGE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ANY SERVICES OR UTILITIES DISTURBED DURING CONSTRUCTION, TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION.
3. THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF EXISTING SERVICES PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL CONFIRM LOCATIONS AND ELEVATIONS OF EXISTING SERVICES AND STRUCTURES TO BE CONNECTED TO AND EXISTING SERVICES THAT MAY BE DAMAGED OR CAUSE CONFLICTS PRIOR TO CONSTRUCTION OF ANY NEW SEWER, WATER AND/OR STORM WATER WORKS. ALL DIMENSIONS SHALL BE CHECKED AND VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES, INTERPRETATIONS, CHANGES AND ADDITIONS TO THESE DRAWINGS MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER, WHEN NOTED AND BEFORE PROCEEDING WITH CONSTRUCTION WORKS. DO NOT CONTINUE CONSTRUCTION IN AREAS WHERE DISCREPANCIES APPEAR UNTIL SUCH DISCREPANCIES HAVE BEEN RESOLVED.
4. ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE SPECIFIED. ALL DRAWINGS SHOULD NOT BE SCALED BY THE CONTRACTOR. ANY MISSING OR QUESTIONABLE DIMENSIONS ARE TO BE CONFIRMED WITH THE ENGINEER IN WRITING.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED AND BEAR COST OF THE SAME.
6. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE "OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS". THE GENERAL CONTRACTOR SHALL BE DEEMED TO BE THE CONSTRUCTOR AS SETFIED IN THE ACT.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATION, BACKFILL AND REINSTATEMENT OF ALL AREAS DISTURBED DURING CONSTRUCTION TO THE SATISFACTION OF THE ENGINEER, THE CITY OF OTTAWA AND THE AUTHORITY HAVING JURISDICTION.
8. ANY AREAS BEYOND THE LIMIT OF THE SITE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION AT THE CONTRACTOR'S EXPENSE.
9. THE CONTRACTOR SHALL COMPLY WITH THE CITY OF OTTAWA REQUIREMENTS FOR TRAFFIC CONTROL WHEN WORKING ON CITY STREETS. ALL CONSTRUCTION SIGNAGE MUST CONFORM TO THE M.T.O. BOOK 7 AND T.A.C. MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (LATEST AMENDMENT).
10. THE SUPPORT OF ALL UTILITIES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
11. THERE WILL BE NO SUBSTITUTION OF MATERIALS UNLESS WRITTEN APPROVAL BY THE ENGINEER HAS BEEN OBTAINED.
12. EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE. REMOVALS MUST BE DONE AS PER THE EXCESS SOIL REGULATIONS.
13. THE SITE LAYOUT IS THE RESPONSIBILITY OF THE CONTRACTOR. AS-BUILT SITE SERVICING & GRADING DRAWINGS SHALL BE MAINTAINED ON SITE BY THE CONTRACTOR.
14. THE CONTRACTOR WILL BE RESPONSIBLE FOR ADDITIONAL BEDDING OR ADDITIONAL STRENGTH PIPE IF THE MAXIMUM TRENCH WIDTH, AS SPECIFIED BY OPSD, IS EXCEEDED.
15. ALL NECESSARY CLEARING AND GRUBBING SHALL BE COMPLETED BY THE CONTRACTOR. REVIEW WITH ENGINEER AND THE CITY OF OTTAWA PRIOR TO ANY TREE CUTTING.
16. ALL EDGES OF DISTURBED PAVEMENT SHALL BE SAW CUT TO FORM A NEAT AND STRAIGHT LINE PRIOR TO PLACING NEW PAVEMENT.
17. ALL BOREHOLES SHOWN ON THE DRAWINGS ARE FOR INFORMATION ONLY. FOR GEOTECHNICAL INFORMATION REFER TO **GEOTECHNICAL INVESTIGATION REPORT PREPARED BY EXP. SERVICES INC. DATED JUNE 17, 2025**.
18. THE CONTRACTOR SHALL APPRAISE HIS/HER SELF OF ALL SURFACE AND SUBSURFACE CONDITIONS TO BE ENCOUNTERED AND SHALL CARRY OUT THEIR OWN TEST PITS AS REQUIRED TO MAKE THEIR OWN INDEPENDENT ASSESSMENT OF GROUND CONDITIONS. THE CONTRACTOR SHALL NOT MAKE ANY CLAIM FOR ANY EXTRA COST DUE TO ANY SUCH GROUND CONDITIONS VARYING FROM THOSE ANTICIPATED BY THE CONTRACTOR.
19. DO NOT CONSTRUCT USING DRAWINGS THAT ARE NOT MARKED "ISSUED FOR CONSTRUCTION".
20. FOR TOPOGRAPHICAL INFORMATION REFER TO PLAN PREPARED BY **STANTEC GEOMATICS LIMITED, DATED MARCH 10, 2025**.
21. CIVIL DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, LANDSCAPE AND LEGAL DRAWINGS.
22. ALL NECESSARY CLEARING AND GRUBBING SHALL BE COMPLETED BY THE CONTRACTOR. REVIEW WITH CONTRACT ADMINISTRATOR AND THE CITY OF OTTAWA PRIOR TO ANY TREE CUTTING.
23. STREET LIGHTING SHALL BE TO CITY OF OTTAWA STANDARDS.

SANITARY SEWER NOTES

1. ALL SANITARY SEWER MATERIALS AND INSTALLATION SHALL CONFORM TO THE LATEST REVISIONS OF THE STANDARDS AND SPECIFICATIONS OF THE CITY OF OTTAWA, ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD) AND SPECIFICATIONS (OPSS).
2. ALL SANITARY SEWERS SHALL BE PVC SDR 35, IPEX "RING-TITE" (OR EQUIVALENT), AS PER CSA STANDARD 8182.2 OR LATEST AMENDMENT, UNLESS OTHERWISE NOTED.
3. SANITARY SEWER TRENCH AND BEDDING SHALL BE AS PER CITY OF OTTAWA STD. 56 AND 57, CLASS "B" BEDDING UNLESS OTHERWISE NOTED.
4. ALL SANITARY LATERALS ARE TO BE PVC SDR 26, IPEX "RING-TITE" (OR EQUIVALENT), ANY COLOR EXCEPT WHITE AND MARKED WITH A 50mm X 100mm WOODEN MARKER, EXTENDING FROM THE INVERT TO 1.0 M ABOVE GRADE PAINTED RED.
5. SEWER BEDDING AS PER CITY STANDARD 56 & 57. GRANULAR "A" BEDDING TO BE INCREASED TO 300MM WHERE SEWERS ARE BELOW THE GROUNDWATER TABLE.
6. SANITARY SEWER MANHOLES SHALL BE BENCHED AS PER OPSD 701.021. SANITARY MANHOLE FRAME AND COVERS SHALL BE AS PER CITY OF OTTAWA STD. 524 AND 525. SAFETY PLATFORM SHALL BE AS PER OPSD 404.02. DROP STRUCTURES SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA SPECIFICATIONS AND OPSD 1003.01.
7. THE CONTRACTOR SHALL CONDUCT INFILTRATION/EXFILTRATION (AS PER CURRENT OPSS) TESTING ON ALL NEWLY INSTALLED SANITARY SEWERS. THE TEST SHALL BE PERFORMED IMMEDIATELY AFTER SEWER INSTALLATION AND VIEWED BY THE ENGINEER.
8. THE CONTRACTOR SHALL CONDUCT CCTV INSPECTION OF ALL NEWLY INSTALLED SANITARY SEWERS AND EXISTING SEWERS CONNECTED TO. THE TEST SHALL BE PERFORMED IMMEDIATELY AFTER SEWERS INSTALLED.
9. ALL SERVICE CONNECTIONS TO BE CONSTRUCTED AS PER CITY STANDARD S11 & S11.1.
10. THE CONTRACTOR SHALL CONSTRUCT FLEXIBLE SANITARY SEWERS IN ACCORDANCE WITH OPSD 802.010 AND 802.013. DURING CONSTRUCTION, THE CONTRACTOR SHALL PROTECT THE PIPES FROM HEAVY CONSTRUCTION EQUIPMENT. BEDDING AND BACKFILL SHALL BE COMPACTED TO A MINIMUM OF 95% SPMDD.
11. ALL SANITARY BUILDING DRAINS TO BE EQUIPPED WITH SANITARY BACKWATER VALVES INSTALLED PER CITY OF OTTAWA STANDARD DRAWING S14.1.
12. WITHIN THE FROST ZONE, THE BACKFILL IN THE SERVICE TRENCHES SHOULD MATCH THE SOIL ON SIDES TO MINIMIZE DIFFERENTIAL FROST HEAVING IN THE SUBGRADE.
13. MINIMUM SOIL COVER TO BE 2.1m TO PROTECT SEWERS FROM FROST DAMAGE. IN AREAS WHERE ADEQUATE FROST COVER CANNOT BE ACHIEVED, EQUIVALENT THERMAL INSULATION TO BE INSTALLED AS PER OPSD 514.010

STORM SEWER NOTES

1. ALL STORM SEWER MATERIALS AND INSTALLATION SHALL CONFORM TO THE LATEST REVISIONS OF THE STANDARDS AND SPECIFICATIONS OF THE CITY OF OTTAWA, ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD) AND SPECIFICATIONS (OPSS).
2. ALL REINFORCED CONCRETE STORM SEWER PIPE SHALL BE IN ACCORDANCE WITH CSA A257.2 (LATEST AMENDMENT). ALL NON-REINFORCED CONCRETE STORM SEWER PIPE SHALL BE IN ACCORDANCE WITH CSA A257.1 (LATEST AMENDMENT). PIPE SHALL BE JOINED WITH STD. RUBBER GASKETS AS PER CSA A257.3 (LATEST AMENDMENT).
3. ALL PVC STORM SEWERS ARE TO BE SDR 35 APPROVED PER C.S.A. 8182.2 OR LATEST AMENDMENT, UNLESS OTHERWISE SPECIFIED.
4. THE CONTRACTOR SHALL CONSTRUCT FLEXIBLE STORM SEWERS IN ACCORDANCE WITH OPSD 802.010 AND 802.013. RIGID STORM PIPE SHALL BE CONSTRUCTED IN ACCORDANCE WITH OPSD 802.030. DURING CONSTRUCTION THE CONTRACTOR SHALL PROTECT THE PIPES FROM HEAVY CONSTRUCTION EQUIPMENT. BEDDING AND BACKFILL SHALL BE COMPACTED TO A MINIMUM OF 95% SPMDD.
5. SEWER BEDDING AS PER CITY STANDARD 56 & 57.
6. ALL STORM LATERALS SHALL BE PVC SDR 26, WHITE IN COLOR AND MARKED WITH A 50mm X 100mm WOODEN MARKER EXTENDING FROM THE INVERT TO 1.0M ABOVE GRADE PAINTED GREEN.
7. ALL SERVICE CONNECTIONS TO BE CONSTRUCTED AS PER CITY STANDARD S11 & S11.1.
8. WITHIN THE FROST ZONE, THE BACKFILL IN THE SERVICE TRENCHES SHOULD MATCH THE SOIL ON SIDES TO MINIMIZE DIFFERENTIAL FROST HEAVING IN THE SUBGRADE.
9. MINIMUM SOIL COVER TO BE 2.1m TO PROTECT SEWERS FROM FROST DAMAGE. IN AREAS WHERE ADEQUATE FROST COVER CANNOT BE ACHIEVED, EQUIVALENT THERMAL INSULATION TO BE INSTALLED AS PER OPSD 514.010
10. ALL STORM SERVICES TO BE EQUIPPED WITH APPROVED BACKWATER VALVES.
11. STORM MANHOLE FRAME AND COVERS SHALL BE AS PER CITY OF OTTAWA STD. 524.1 AND 525.
12. SAFETY PLATFORMS SHALL BE IN ACCORDANCE WITH OPSD 404.02.
13. DROP STRUCTURES SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA SPECIFICATIONS AND OPSD 1003.01.
14. STORM SEWER MANHOLES SERVING LOCAL SEWERS LESS THAN 900mm SHALL BE CONSTRUCTED WITH A 300mm SLUMP FOR STORM SEWERS 900mm AND OVER USE BENCHING IN ACCORDANCE WITH OPSD 701.021.
15. SINGLE AND DOUBLE CATCHBASINS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. 51, AND OPSD 705.020. RESPECTIVELY. FRAMES AND GRATE SHALL BE AS PER CITY OF OTTAWA STD. 519 FOR REAR LOT CATCHBASINS, AND STREET CATCHBASINS.
16. CURB INLET TYPE CATCH BASIN (CICB) SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. 53, AND GRATE SHALL BE AS PER CITY OF OTTAWA STD. 522 AND 523, UNLESS OTHERWISE NOTED.
17. SINGLE AND DOUBLE CATCHBASIN LEADS SHALL BE 200mm# AND 250mm# (MIN) RESPECTIVELY, 1.0% SLOPE (MIN.) UNLESS OTHERWISE NOTED.
18. ALL CATCHBASINS AND CATCHBASIN MANHOLES SHALL HAVE SLUMPS WITH 300m DEPTH, UNLESS OTHERWISE NOTED.
19. CONTRACTOR SHALL ENSURE THAT CATCHBASINS ARE INSTALLED AT THE LOW POINT OF SAG CURB WORKS.
20. THE STORM SEWER CLASSES HAVE BEEN DESIGNED BASED ON BEDDING CONDITIONS SPECIFIED. WHERE THE SPECIFIED TRENCH WIDTH IS EXCEEDED, THE CONTRACTOR SHALL BE REQUIRED TO

PROVIDE ADDITIONAL BEDDING, A DIFFERENT TYPE OF BEDDING OR A HIGHER PIPE STRENGTH AT HIS OWN EXPENSE AND SHALL ALSO BE RESPONSIBLE FOR EXTRA TEMPORARY AND/OR PERMANENT REPAIRS MADE NECESSARY BY THE WIDENED TRENCH.

21. THE CONTRACTOR SHALL CONDUCT CCTV INSPECTION OF ALL NEWLY INSTALLED STORM SEWERS AND EXISTING SEWERS CONNECTED TO. THE TEST SHALL BE PERFORMED IMMEDIATELY AFTER SEWERS INSTALLED.

WATERMAIN NOTES

1. ALL WATERMAIN MATERIALS AND INSTALLATION SHALL CONFORM TO THE LATEST REVISIONS OF THE STANDARDS AND SPECIFICATIONS OF THE CITY OF OTTAWA, ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD) AND SPECIFICATIONS (OPSS).
2. NO WORK SHALL COMMENCE UNLESS A CITY WATER WORKS INSPECTOR IS ON SITE. WATERMAIN CONNECTIONS BY CITY OF OTTAWA FORCES WITH ALL EXCAVATION BACKFILL AND ROAD REINSTATEMENT BY CONTRACTOR.
3. ALL PVC WATERMANS SHALL BE EQUAL TO AWMA C-900 CLASS 150, SDR 18, OR APPROVED EQUAL.
4. WATERMANS TRENCH AND BEDDING SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD W17, UNLESS OTHERWISE SPECIFIED. BEDDING AND COVER MATERIAL SHALL BE SPECIFIED BY PROJECT GEOTECHNICAL ENGINEER.
5. ALL PVC WATERMANS SHALL BE INSTALLED WITH A 10 GAUGE STRANDED COPPER TWU OR RWU TRACER WIRE IN ACCORDANCE WITH CITY OF OTTAWA STD. W36.
6. WATER SERVICES ARE TO BE TYPE K SOFT COPPER AS PER CITY OF OTTAWA STD. W26 UNLESS OTHERWISE SPECIFIED. ALL WATER SERVICES CROSSING SEWERS ARE TO BE INSTALLED AS PER CITY OF OTTAWA STD. W38. WATER SERVICES SHALL BE MARKED WITH A "50mm X 100mm", EXTENDING FROM THE INVERT TO 1.0m ABOVE GRADE PAINTED BLUE. STAND POSTS/SHUT-OFFS SHALL BE INSTALLED AT THE PROPERTY LINE.
7. CATHODIC PROTECTION IS REQUIRED ON ALL METALLIC FITTINGS AS PER CITY OF OTTAWA STD. W40 AND W42.
8. VALVE BOXES SHALL BE INSTALLED AS PER CITY OF OTTAWA DETAL W24.
9. ALL FIRE HYDRANTS TO BE INSTALLED AS PER CITY STANDARD W19 AND LOCATED AS PER CITY STANDARD W18 AND/OR CITY STANDARD CROSS SECTIONS.
10. ALL WATERMANS TO BE INSTALLED AT MINIMUM COVER OF 2.4m.
11. THRUST BLOCKS AND RESTRAINT AS PER CITY OF OTTAWA DWGS: W25.3 AND W25.4, W25.5 AND W25.6.
12. IF WATERMAIN MUST BE DEFLECTED TO MEET ALIGNMENT, ENSURE THAT THE AMOUNT OF DEFLECTION USED IS LESS THAN HALF THAT RECOMMENDED BY THE MANUFACTURER.
13. DISINFECTION AND TESTING OF WATERMAIN TO BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS.
14. WATER METERS TO BE INSTALLED AS PER W30 FOR WATER SERVICES.
15. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY CAPS, PLUGS AND BLOW-OFFS AND NOZZLES REQUIRED FOR TESTING AND DISINFECTION OF THE WATERMAIN.
16. INSULATION FOR WATERMAIN CROSSING OVER AND BELOW SEWER SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. W25.2 AND W25, RESPECTIVELY, WHERE WATERMAIN COVER IS LESS THAN 2.4m.
17. WHERE THE SEPARATION BETWEEN SERVICES AND MANHOLES IS LESS THAN 2.4m, WATER SERVICES ARE TO BE INSULATED AS PER CITY OF OTTAWA STD. W23.
18. AS PER CITY GUIDELINE, THE MINIMUM VERTICAL CLEARANCE BETWEEN WATERMAIN AND SEWER / UTILITY IS 0.25M FOR CROSSING OVER THE SEWER, AS PER CITY STD W25.2. FOR CROSSING UNDER SEWER, THE MINIMUM VERTICAL CLEARANCE IS 0.50M AS PER CITY STD. W25. FOR CROSSING UNDER SEWER, ADEQUATE STRUCTURAL SUPPORT FOR THE SEWERS IS REQUIRED TO PREVENT EXCESSIVE DEFLECTION OF JOINTS AND SETTLING. THE LENGTH OF WATER PIPE SHALL BE CENTERED AT THE POINT OF CROSSING SO THAT THE JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE SEWER.

ROADWAY SPECIFICATIONS

1. ALL TOPSOIL AND ORGANIC MATERIAL SHALL BE STRIPPED WITHIN THE ROAD ALLOWANCE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
2. CONCRETE CURB SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. SC1.1 (BARRIER CURB) AND SC1.3 (MOUNTABLE CURB), AS NOTED. PROVISION SHALL BE MADE FOR CURB DEPRESSIONS AT SIDEWALKS AND DRIVEWAYS.
3. ROAD SUBDRAINS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. R1. SUBDRAINS SHALL BE 6m IN LENGTH AT CATCHBASINS. SUBDRAINS SHALL BE INSTALLED BOTH SIDES AT LOWPOINTS AND ON THE HIGH SIDE AT FLOWBY CATCHBASINS.
4. PAVEMENT REINSTATEMENT FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. R10 AND OPSD 509.010, OPSS 310.
5. GRANULAR "A" SHALL BE PLACED TO A MINIMUM THICKNESS OF 300mm AROUND ALL STRUCTURES WITHIN PAVEMENT AREA.
6. ALL GRANULAR FOR ROADS SHALL BE COMPACTED TO A MINIMUM OF 98% STANDARD PROCTOR DENSITY.
7. ASPHALT WEAR COURSE SHALL NOT BE PLACED UNTIL THE VIDEO INSPECTION OF SEWERS & NECESSARY REPAIRS HAVE BEEN CARRIED OUT TO THE SATISFACTION OF THE ENGINEER.
8. SUB- EXCAVATE SOFT AREAS AND FILL WITH GRANULAR "B" COMPACTED IN MAXIMUM 300mm LIFTS.
9. PAVEMENT STRUCTURE: AS PER GEOTECH INVESTIGATION REPORT PREPARED BY EXP SERVICES INC DATED JANUARY 20, 2025, ALSO SHOWN IN TABLE BELOW.

Recommended Pavement Structure Thicknesses			
Pavement Layer	Compaction Requirements	Computed Pavement Structure	
		Light Duty Traffic (Cars Only)	Heavy Duty Traffic (Bus areas, Garbage Trucks, Emergency Vehicles)
Asphaltic Concrete	92-97 percent MRD	65 mm HL3/SP12.5 mm/ Cat. B (PG 58-34)	50 mm HL3/SP12.5 Cat. B 60 mm HL3/SP 19 Cat. B (PG 58-34)
OPSS 1010 Granular A Base (crushed limestone)	100% percent SPMDD	150 mm	150 mm
OPSS 1010 Granular B Type II Sub-base	100 percent SPMDD	450 mm	600 mm
Notes: 1. SPMDD denotes standard Proctor maximum dry density, ASTM D-698-12a2. 2. MRD denotes Maximum Relative Density, ASTM D2041. 3. The upper 300 mm of the subgrade fill must be compacted to 98% SPMDD. 4. The approved subgrade should be covered with a woven geotextile prior to placement of granular sub-base of the pavement structure.			

GENERAL NOTES FOR GRADING

1. IT SHALL BE THE BUILDER'S RESPONSIBILITY TO ENSURE THAT GRADING AROUND HYDRANTS, TRANSFORMERS, AND UTILITY PEDESTALS, ETC., MEET CURRENT CITY OF OTTAWA, HYDRO AND UTILITY COMPANY REQUIREMENTS.
2. ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED SWALE OR CATCH BASIN OUTLETS ARE PROVIDED.
3. CONTRACTOR TO ADJUST EXISTING CATCH BASINS, MANHOLES, FIRE HYDRANTS, VALVE CHAMBERS AND VALVE BOXES TO FINAL GRADE AS REQUIRED.
4. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING FOUNDATIONS OF ADJACENT BUILDINGS DURING EXCAVATION AND CONSTRUCTION PERIOD.
5. GRADING IN GRASSED AREAS WILL BE BETWEEN 2% TO 7%. GRADES IN EXCESS OF 7% WILL REQUIRE A MAXIMUM 3:1 TERRACING.
6. FINAL EXTERIOR ELEVATION ADJACENT TO BUILD FOUNDATION TO BE MINIMUM 200mm BELOW FFG(±10) EXCEPT AS INDICATED AND AS REQUIRED FOR TAPERING AT ACCESSIBLE ENTRANCES.

BEARING NOTE

BEARINGS ARE GRID, DERIVED FROM CAN-NET VRS NETWORK GPS OBSERVATIONS ON NCC HORIZONTAL CONTROL MONUMENTS 19773035 AND 19860191, CENTRAL MERIDIAN, 76° 30' WEST LONGITUDE MTM ZONE 8, NAD83 (ORIGINAL).

19773035 N 5006060.42 E 324888.04
19860191 N 50035664.26 E 388064.94

ELEVATION NOTE

ELEVATIONS SHOWN HEREON ARE GEODETIC (CGVD-1928 1978) AND ARE DERIVED FROM VERTICAL CONTROL MONUMENT No 001196530101 HAVING AN ELEVATION OF 115.813.

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no.	date	revision / issue	by

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northpoint

professional stamp

project title

NEW CATHOLIC HIGH SCHOOL RIVERSIDE SOUTH

Manitac Ontario

drawing title

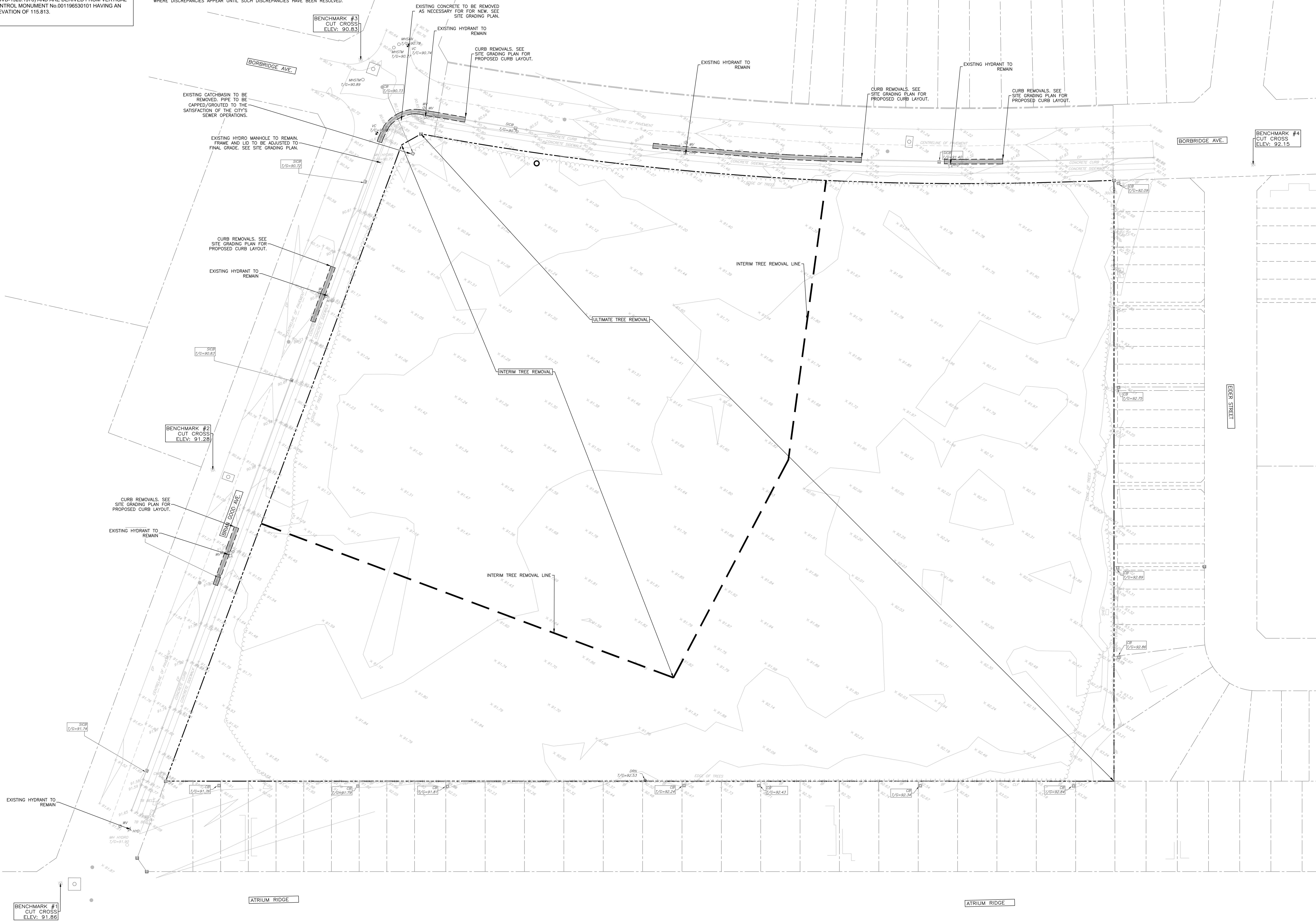
NOTES AND DETAILS

date	MARCH 14, 2025	job. no.	
scale	N.T.S	OTT-24005530-A0	
drawn	AGJ	drawing no. C000	
approved	AKJ		
plot date	9/11/2025 9:42:14 AM		

1. DO NOT SCALE FROM THIS DRAWING
2. CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE WORK COMMENCES
3. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE FOLLOWING DRAWINGS: ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, LANDSCAPE

BEARING NOTE
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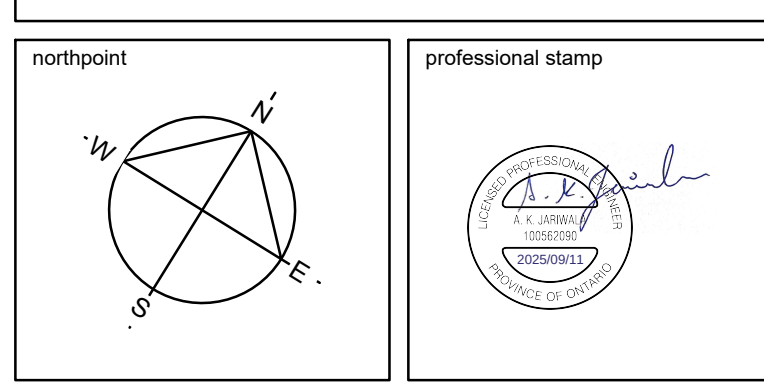


- LEGEND
- PROPERTY LINE
 - ABUTTING PL
 - EX. C.L. ROAD
 - EX. FEATURE
 - EX. CURB
 - EX. SITE BENCHMARK
 - EX. WATER VALVE
 - EX. VALVE CHAMBER
 - EX. CATCH-BASIN
 - EX. SIDEWALK (CURB INLET) CATCH-BASIN
 - EX. HYDRANT
 - EX. STORM MANHOLE
 - EX. SANITARY MANHOLE
 - EX. MUNI. WATERMAIN
 - EX. MUNI. STORM SEWER
 - EX. MUNI. SAN SEWER
 - INTERIM GRADING TREE LINE
 - CURB & BOULEVARD REMOVALS

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no.	date	revision / issue	by

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project title
**NEW CATHOLIC
HIGH SCHOOL
RIVERSIDE SOUTH**
Manitowick Ontario

drawing title
**EXISTING CONDITIONS &
REMOVALS PLAN**

date	MARCH 14, 2025	job. no.	OTT-24005530-A0
scale	1 : 500	drawing no.	C001
drawn	AGJ		
approved	AKJ		
plot date	9/11/2025 9:42:26 AM		

DO NOT SCALE FROM THIS DRAWING
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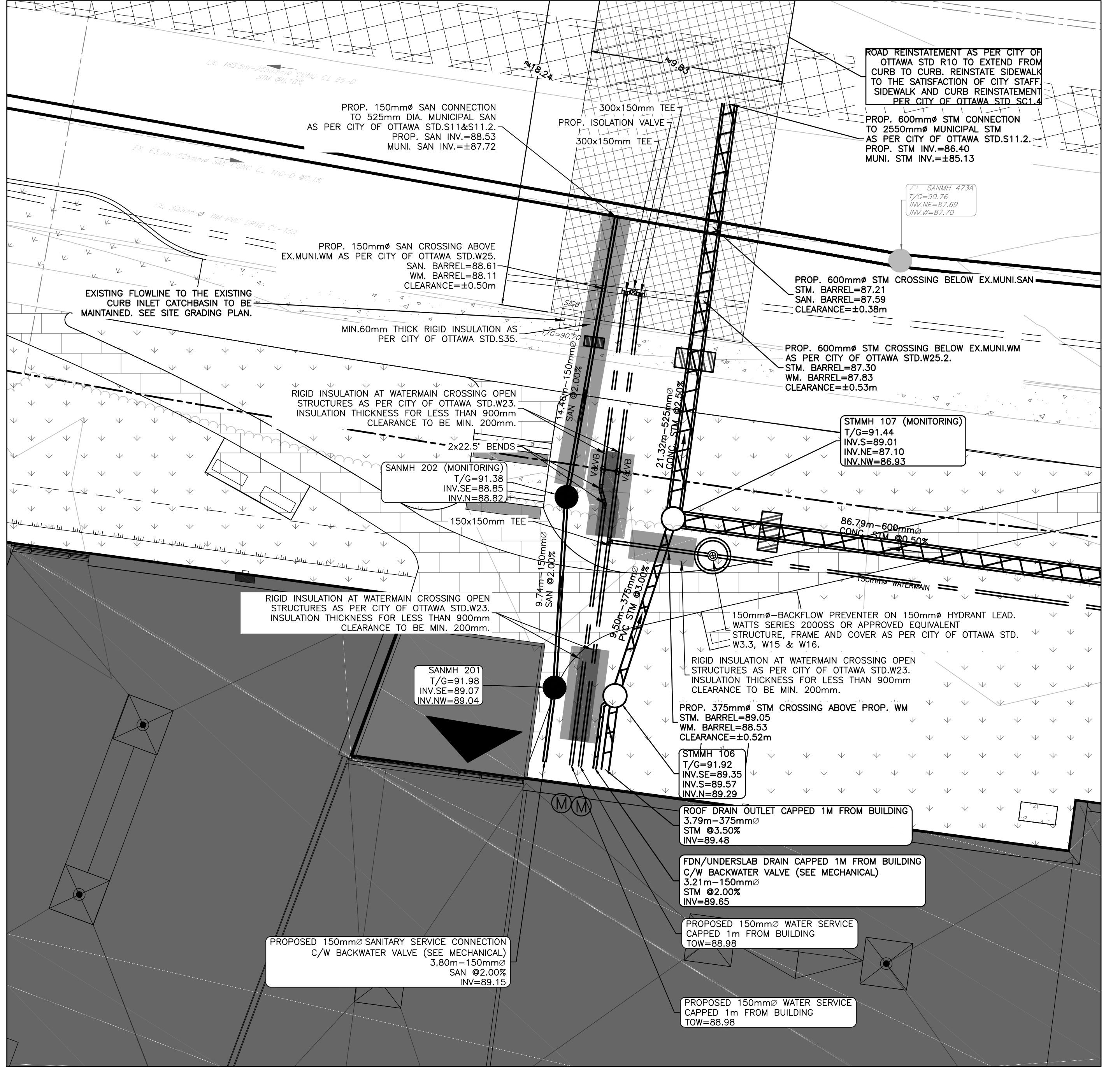
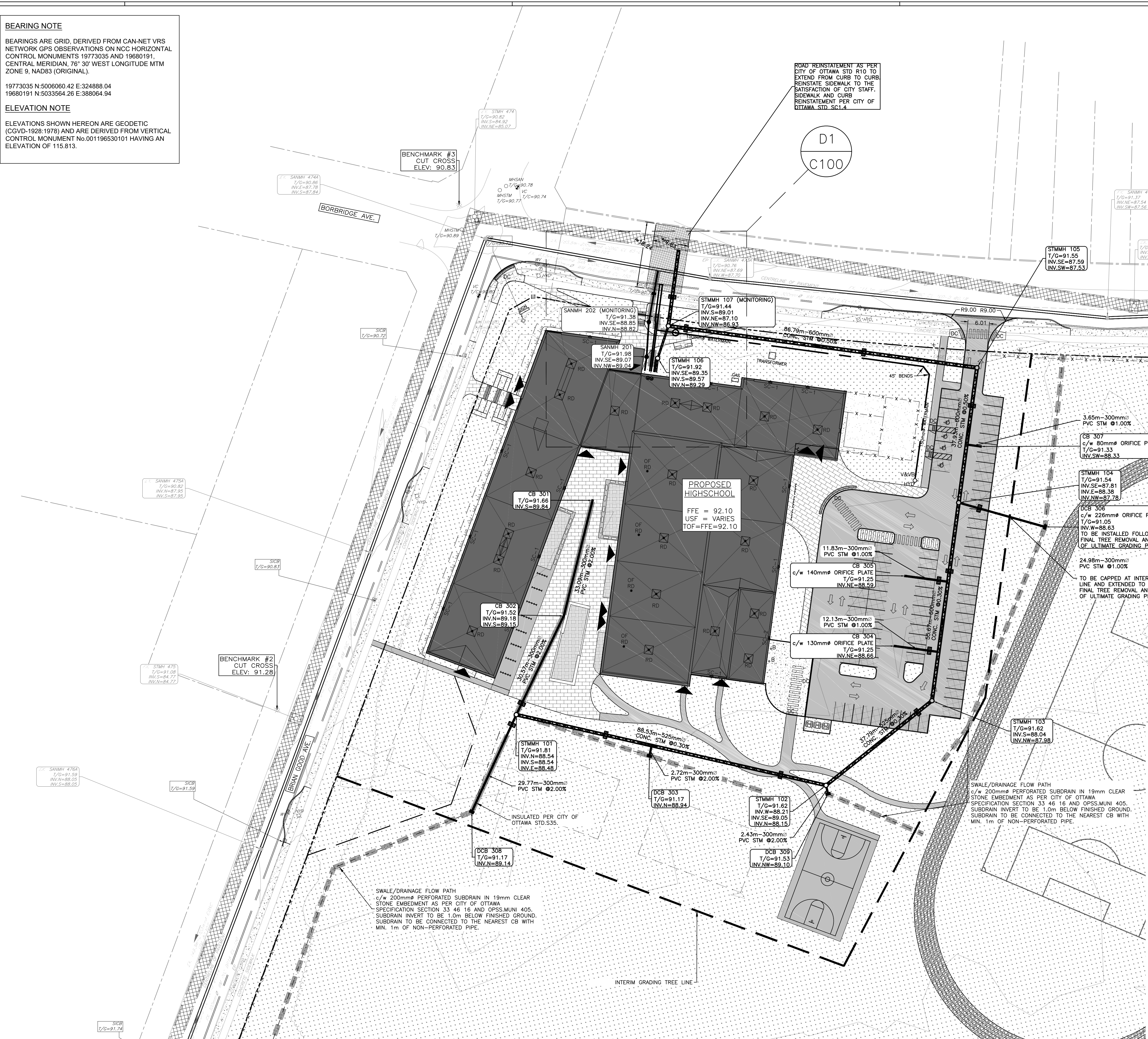
ELEVATION NOTE
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ALLISON HAMLIN
MANAGER, DEVELOPMENT REVIEW ALL WARDS
PLANNING, DEVELOPMENT & BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

APPROVED
By Allison Hamlin at 4:21 pm, Sep 24, 2025



- LEGEND
- PROPERTY LINE
 - ABUTTING PL
 - EX. C.L. ROAD
 - EX. FEATURE
 - EX. CURB
 - SITE BENCHMARK
 - EX. WATER VALVE
 - EX. VALVE CHAMBER
 - EX. CATCHBASIN
 - EX. SIDEWALK (CURB INLET) CATCHBASIN
 - EX. HYDRANT
 - EX. STORM MANHOLE
 - EX. SANITARY MANHOLE
 - EX. MUNI. WATERMAN
 - EX. MUNI. SAN SEWER
 - EX. MUNI. SAN SEWER
 - PROP. STORM PIPE
 - PROP. SANITARY SERVICE
 - PROP. WATER SERVICE
 - PROP. STORM MANHOLE
 - PROP. DOUBLE CATCHBASIN
 - PROP. CATCHBASIN
 - PROP. SANITARY MANHOLE
 - PROP. WATER SERVICE CONNECTION TO MUNI. WATERMAN
 - PROP. VALVE & VALVE BOX
 - PROP. ELBOW (22.5°)
 - PROP. MUNI. WATERMAN
 - ISOLATION VALVE
 - PROPOSED ROOF DRAIN
 - INSULATION INSULATION PER CITY OF OTTAWA STD.535 & W22 AS APPLICABLE
 - INTERIM GRADING TREE LINE
 - PROP. TOP OF SLOPE
 - PROP. SWALE
 - PROP. SWALE C/W 200mm SUBURBAN PAVING AS PER CITY OF OTTAWA STD. SECTION 33 46 16
 - PROP. TERRACING (MAX 3:1)
 - PROP. BOTTOM OF TERRACING
 - PROP. SIAMASE CONNECTION
 - PROP. WATER METER
 - PROP. HYDRANT
 - PROP. ROOF OVERFLOW SCUPPER
 - PROPOSED OVERFLOW ROOF DRAIN
 - CLAY SEAL PER CITY OF OTTAWA STD. 58



PROPOSED SEWER TABLE									
US	STRUCTURE	DIS	TYPE	INVERT ELEV (m)		LENGTH (m)	Type	Class	Slope (%)
				US	DIS				
BLDG	STMH 106	STM	STM	89.48	89.35	379.000000	3.79	PVC	SDR 28
	BLDG	ELBOW	STM	89.65	89.59	150.000000	3.21	PVC	SDR 28
	ELBOW	STM	STM	89.59	89.57	150.000000	0.79	PVC	SDR 28
STMH 106	STMH 107	STM	STM	89.39	89.01	379.000000	9.90	PVC	SDR 28
	STMH 107	MUNI. STORM	STM	86.9000	00	525.000000	21.32	CONC.	IS-0
	STMH 105	STM	STM	87.53	87.10	600.000000	86.79	CONC.	IS-0
	STMH 104	STM	STM	87.78	87.58	600.000000	37.83	CONC.	IS-0
	STMH 103	STM	STM	87.98	87.81	600.000000	55.67	CONC.	IS-0
	STMH 102	STM	STM	88.15	88.04	525.000000	37.79	CONC.	IS-0
	STMH 101	STM	STM	88.48	88.21	525.000000	86.63	CONC.	IS-0
	CB 301	CB 302	STM	89.84	89.16	300.000000	33.09	PVC	SDR 35
	CB 302	STMH 101	STM	89.15	89.54	300.000000	30.57	PVC	SDR 35
	DCB 303	STM	STM	89.84	89.88	300.000000	2.72	PVC	SDR 35
STMH 104	STMH 104	STM	STM	88.66	88.53	300.000000	12.13	PVC	SDR 35
	STMH 104	STM	STM	88.59	88.48	300.000000	11.83	PVC	SDR 35
	DCB 306	STMH 104	STM	88.63	88.38	300.000000	24.96	PVC	SDR 35
	CB 307	STM	STM	88.33	88.30	300.000000	3.65	PVC	SDR 35
	DCB 308	STMH 101	STM	89.14	88.54	300.000000	29.77	PVC	SDR 35
	DCB 309	STMH 102	STM	89.10	89.05	300.000000	2.43	PVC	SDR 35
	BLDG	SANMH 201	SAN	89.15	89.07	150.000000	3.80	PVC	SDR 28
	SANMH 201	SANMH 202	SAN	89.04	88.85	150.000000	9.74	PVC	SDR 35
	SANMH 202	MUNI. SAN	SAN	88.82	88.83	150.000000	14.46	PVC	SDR 35
	BLDG	SANMH 201	SAN	89.15	89.07	150.000000	3.80	PVC	SDR 28

STRUCTURE TABLE									
STRUCTURE NUMBER	TYPE	LID ELEV (m)	INVERT IN (m)		INVERT OUT (m)	SIZE	REFERENCE	FRAME	COVER
			IN	OUT					
STMH 101	STM	91.81	88.54 (300)	88.54 (300)	88.48 (325)	1200mm	OPSD 701.010	S25	S24.1
STMH 102	STM	91.62	88.21 (325)	88.05 (300)	88.15 (325)	1500mm	OPSD 701.011	S25	S24.1
STMH 103	STM	91.62	88.04 (325)	87.98 (300)	87.98 (300)	1500mm	OPSD 701.011	S25	S24.1
STMH 104	STM	91.54	87.81 (300)	87.78 (300)	87.78 (300)	1500mm	OPSD 701.011	S25	S24.1
STMH 105	STM	91.55	87.59 (300)	87.53 (300)	87.53 (300)	1500mm	OPSD 701.011	S25	S24.1
STMH 106	STM	91.62	88.35 (375)	88.57 (150)	89.29 (375)	1200mm	OPSD 701.010	S25	S24.1
STMH 107	STM	91.44	89.01 (375)	87.10 (300)	86.93 (325)	1500mm	OPSD 701.011	S25	S24.1
CB 301	STM	91.86	89.84 (300)	89.84 (300)	89.84 (300)	600x600mm	OPSD 705.010	OPSD 400.020	S19.1
CB 302	STM	91.52	89.18 (300)	89.15 (300)	89.15 (300)	600x600mm	OPSD 705.010	OPSD 400.020	S19.1
DCB 303	STM	91.17	88.94 (300)	88.94 (300)	88.94 (300)	600x1400mm	OPSD 705.020	OPSD 400.020 (x2)	S19.1 (x2)
CB 304	STM	91.25	88.65 (300)	88.65 (300)	88.65 (300)	600x600mm	OPSD 705.010	OPSD 400.020	S19.1
CB 305	STM	91.25	88.59 (300)	88.59 (300)	88.59 (300)	600x600mm	OPSD 705.010	OPSD 400.020	S19.1
DCB 306	STM	91.05	88.63 (300)	88.63 (300)	88.63 (300)	600x1400mm	OPSD 705.020	OPSD 400.020 (x2)	S19.1 (x2)
CB 307	STM	91.33	88.33 (300)	88.33 (300)	88.33 (300)	600x600mm	OPSD 705.010	OPSD 400.020	S19.1
DCB 308	STM	91.17	89.14 (300)	89.14 (300)	89.14 (300)	600x1400mm	OPSD 705.020	OPSD 400.020 (x2)	S19.1 (x2)
DCB 309	STM	91.53	89.10 (300)	89.10 (300)	89.10 (300)	600x1400mm	OPSD 705.020	OPSD 400.020 (x2)	S19.1 (x2)
SANMH 201	SAN	91.98	89.07 (150)	89.04 (150)	89.04 (150)	1200mm	OPSD 701.010	S25	S24
SANMH 202	SAN	91.38	88.85 (150)	88.82 (150)	88.82 (150)	1200mm	OPSD 701.010	S25	S24

D1
C100
SITE SERVICING
SCALE 1:150

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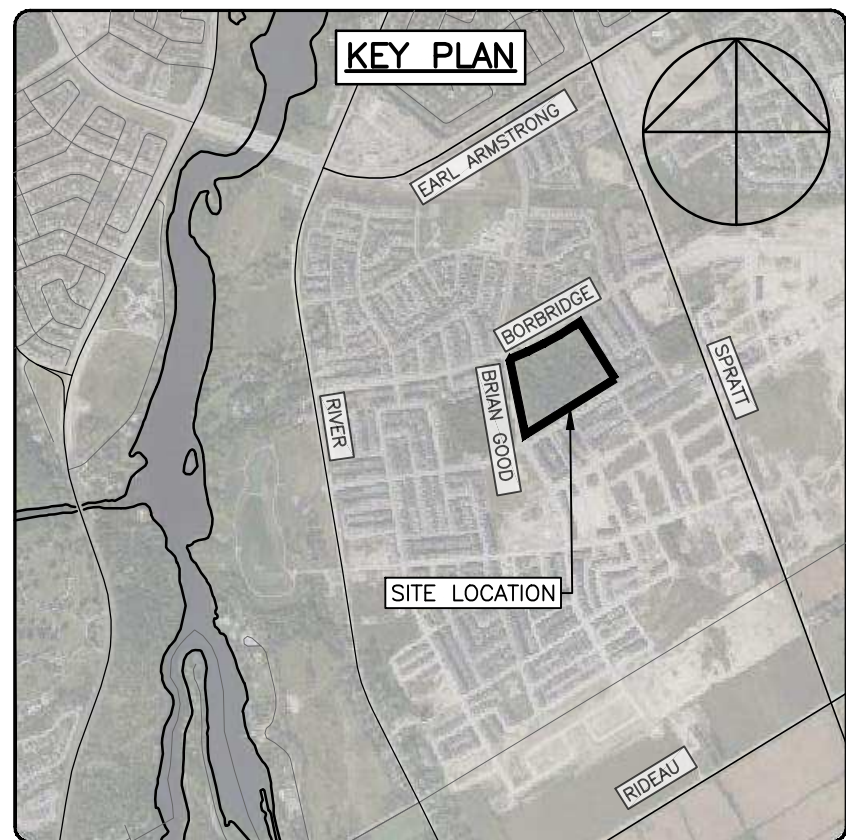
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FINAL EXTERIOR ELEVATION ADJACENT TO BUILDING FOUNDATION TO BE MINIMUM 300MM BELOW FFE(±92.10) EXCEPT AS INDICATED AND AS REQUIRED FOR TAPERING AT ACCESSIBLE ENTRANCES.

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

APPROVED
By Allison Hamlin at 4:21 pm, Sep 24, 2025



LEGEND	
---	PROPERTY LINE
---	ABUTTING PL
---	EX. C.L. ROAD
---	EX. FEATURE
---	EX. CURB
---	EX. ELEV
---	EX. CURB
---	SITE BENCHMARK
---	EX. WATER VALVE
---	EX. VALVE CHAMBER
---	EX. CATCHBASIN
---	EX. SIDEWALK(CURB INLET) CATCHBASIN
---	EX. HYDRANT
---	EX. STORM MANHOLE
---	EX. SANITARY MANHOLE
---	EX. TREE LINE
---	EX. FENCE
0.1%	PROP. GRADE (%)
92.39	PROP. ELEVATION
92.39TC	PROP. ELEVATION (TOP OF CURB)
92.39BC	PROP. ELEVATION (BOTTOM OF CURB)
92.39ME	PROP. ELEVATION (MATCH EX. ELEV.)
92.10FFE	PROP. FINISHED FLOOR ELEVATION
---	PROP. FENCE
---	PROP. TOP OF SLOPE
---	PROP. SWALE C/W SUBDRAN
---	PROP. TERRACING (MAX 3:1)
---	PROP. BOTTOM OF TERRACING
---	PROP. CURB
---	PROP. DEPRESSED CURB
---	PROP. GRASS
---	PROP. GRAVEL
---	PROP. CONCRETE
---	PROP. SAND
---	PROP. ROOF
---	PROP. HEAVY DUTY ASPHALT
---	PROP. LIGHT DUTY ASPHALT
---	PROP. STORM MANHOLE
---	PROP. DOUBLE CATCHBASIN
---	PROP. CATCHBASIN
---	INTERIM TREE REMOVAL LINE CUT GRADING TO MATCH EX. (MAX 3:1)
---	INTERIM TREE REMOVAL LINE FILL GRADING TO MATCH EX. (MAX 3:1)
---	PROP. SIAMSESE CONNECTION
---	PROP. HYDRANT

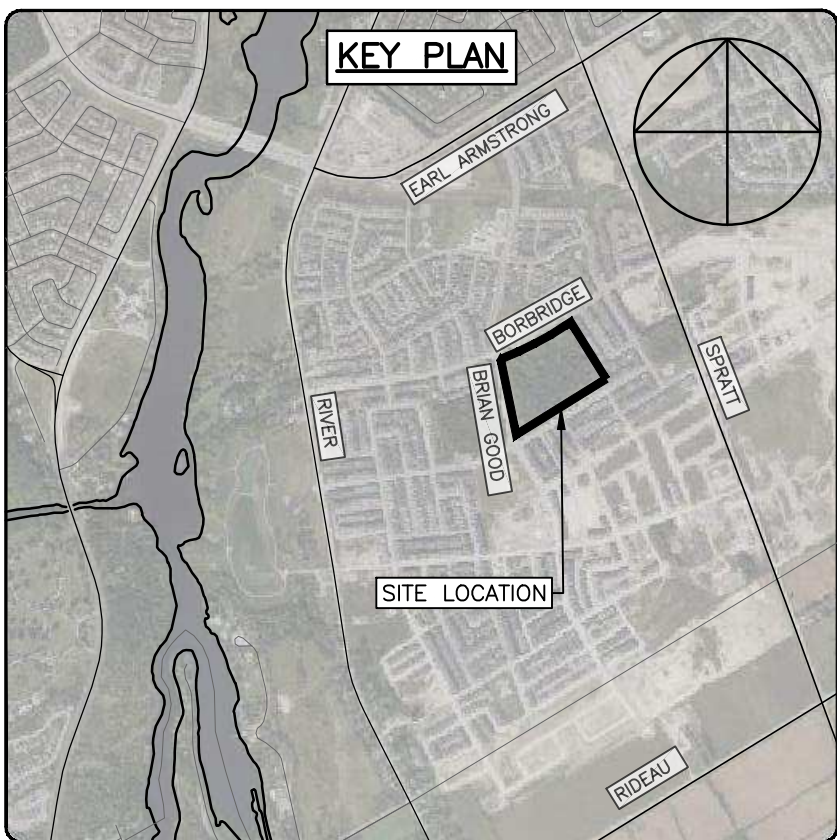
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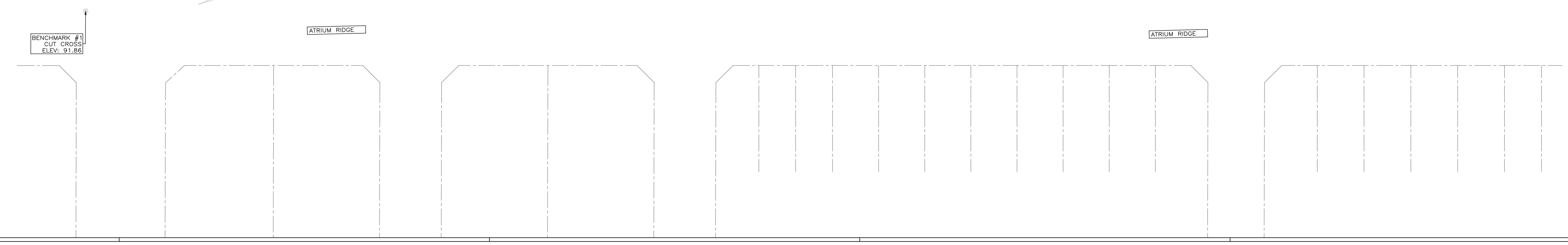
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northpoint
professional stamp
[Stamp]

project title
NEW CATHOLIC
HIGH SCHOOL
RIVERSIDE SOUTH
Manotick, Ontario

drawing title
SITE GRADING PLAN -
ULTIMATE

date	MARCH 14, 2025	job no.	
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drawn	AKJ	drawing no.	
approved	AKJ	C200-2	
plot date	9/11/2025 9:43:07 AM		

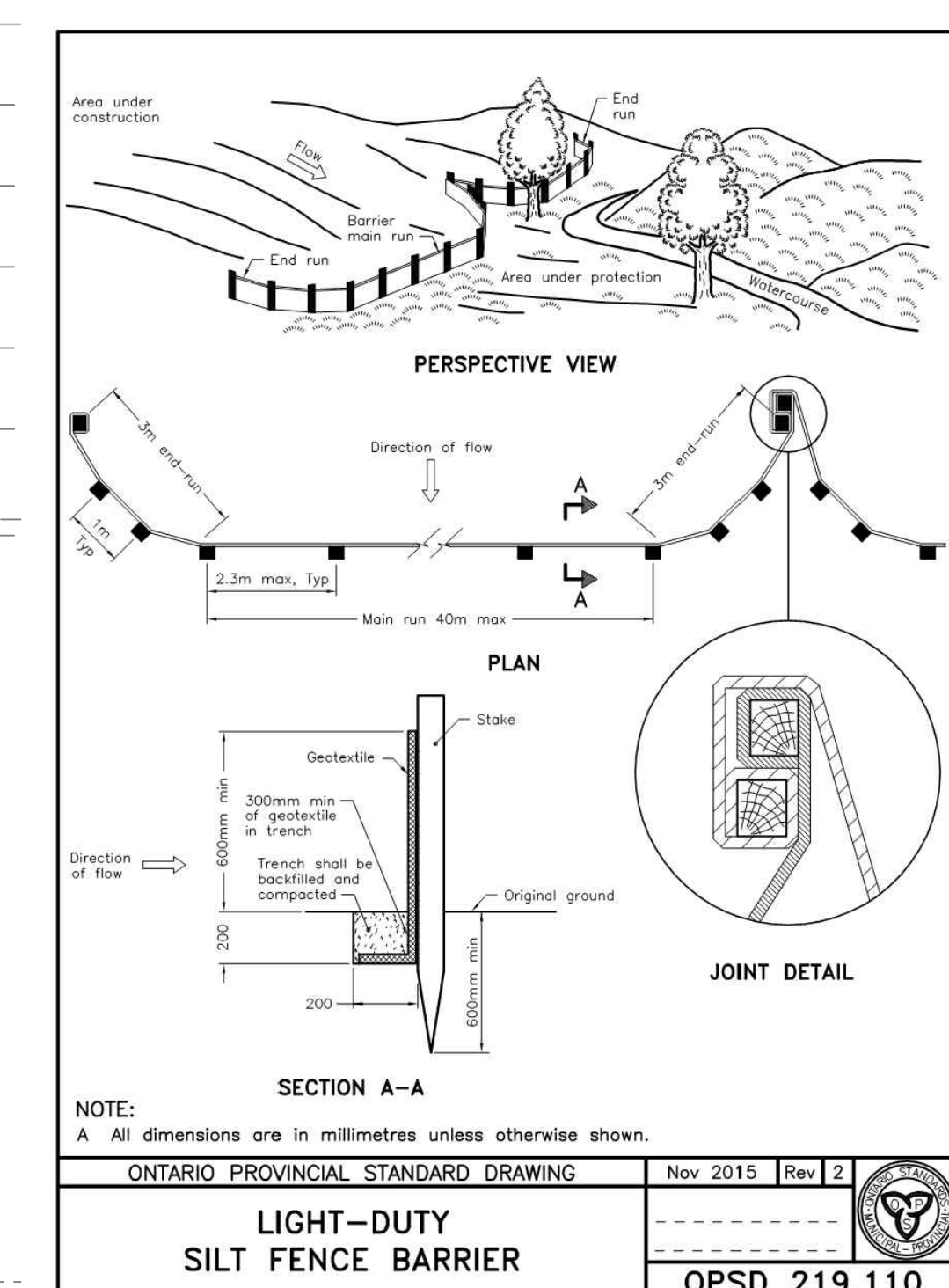
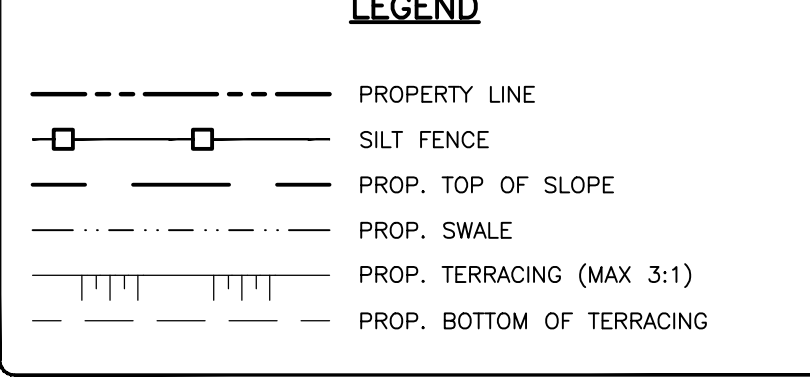
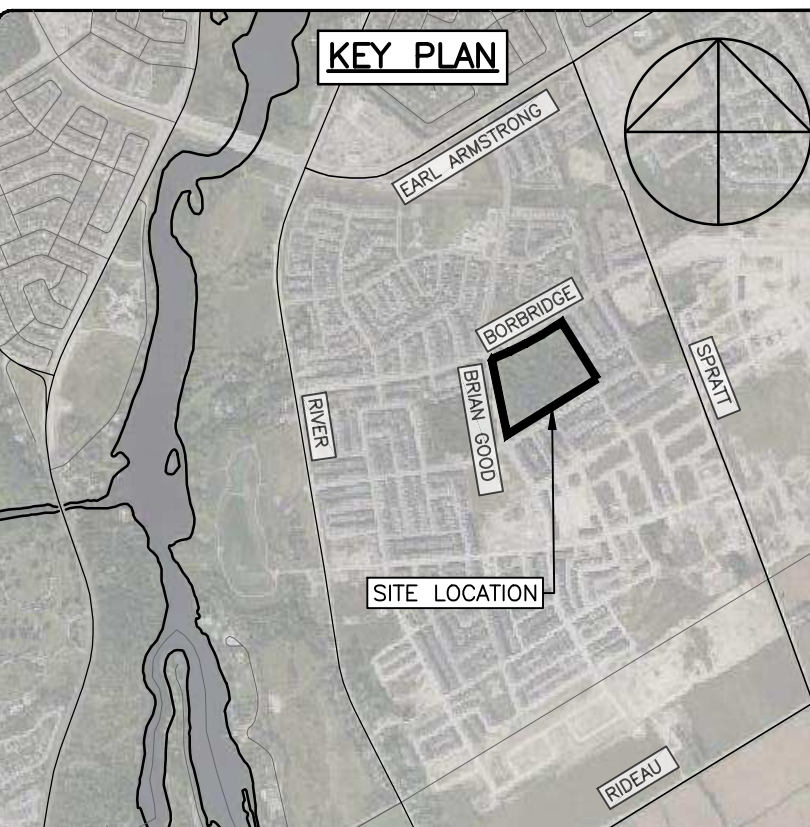
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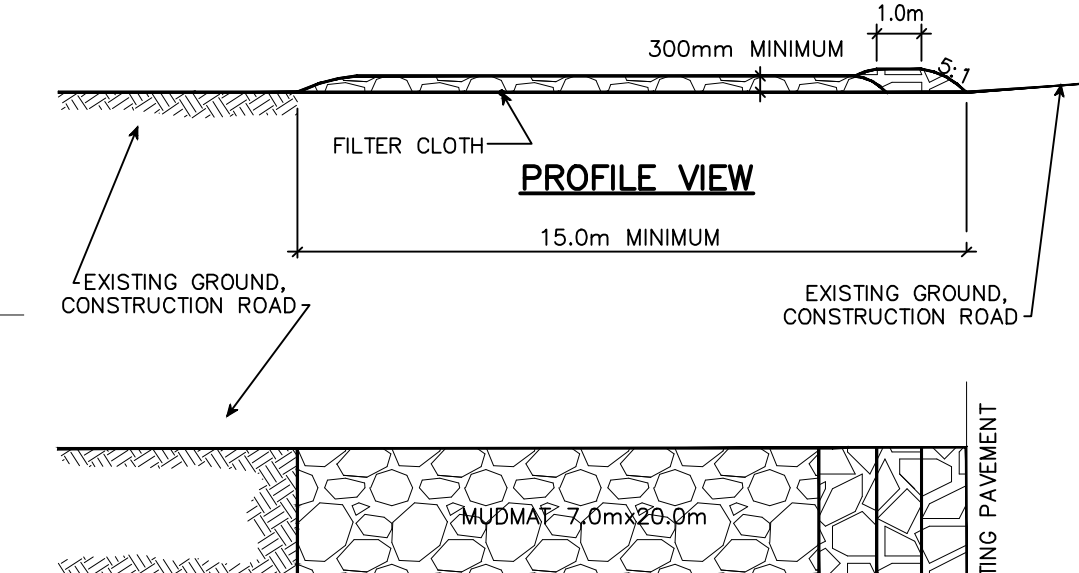
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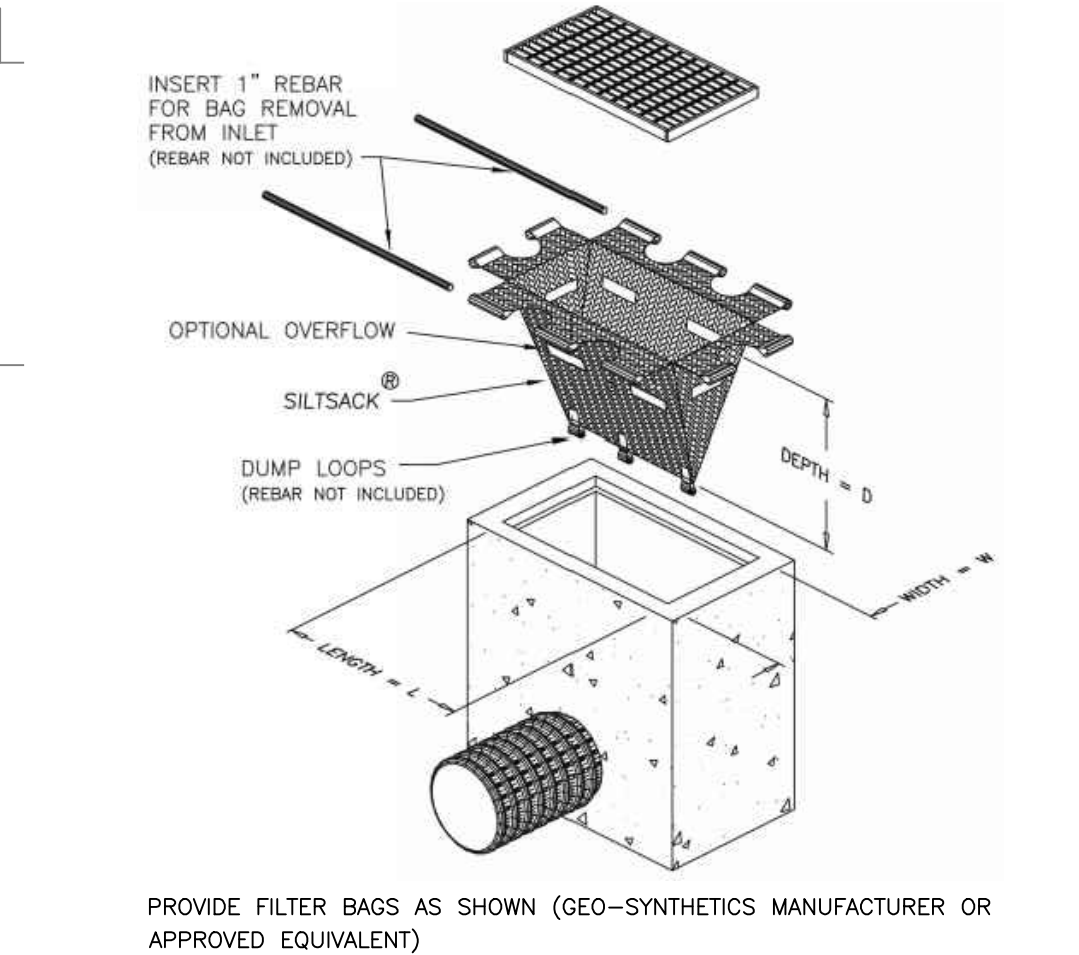
- NOTES:
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO WOOD POSTS WITH WIRE TIES OR STAPLES.
 2. POSTS TO BE SPACED AT 2.3 METRES CENTRE TO CENTRE.
 3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY A MINIMUM OF 500mm.
 4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
 5. WOOD POSTS TO BE HARDWOOD TYPE (50mm x 50mm).
 6. GEOTEXTILE TO BE EMBEDDED 200mm INTO GROUND.
 7. GEOTEXTILE TO CONFORM TO OPSD 805 STANDARDS.
 8. SILT FENCE MUST BE INSTALLED BEFORE COMMENCEMENT OF CONSTRUCTION AND IN ACCORDANCE WITH DETAIL. SILT FENCE CAN BE REMOVED AFTER LANDSCAPING IS COMPLETE.
 9. SEDIMENTS MUST BE CLEARED AWAY WHEN THEY REACH HALF THE HEIGHT OF THE FENCE.



- NOTES:
1. STONE - USE CLEAR CRUSHED 100mm STONE.
 2. LENGTH - AS REQUIRED BUT NOT LESS THAN 15.0m.
 3. THICKNESS - NOT LESS THAN 300mm.
 4. WIDTH - 7.0m MINIMUM, NOT LESS THAN THE WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
 5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE.
 6. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRED PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED OR TRACKED ONTO THE PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.
 7. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

MUD MAT DETAIL

N.T.S.



EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION.

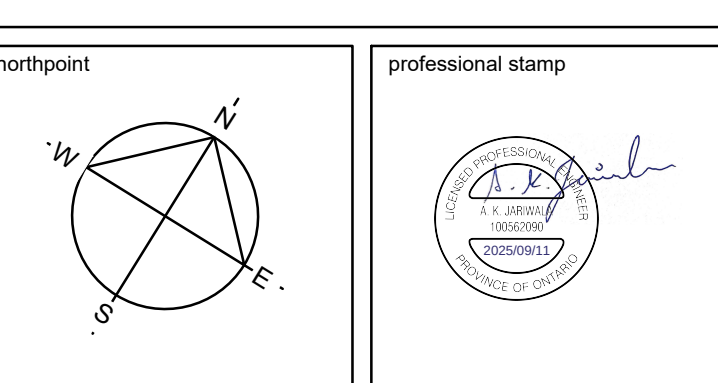
DURING ALL CONSTRUCTION ACTIVITIES, EROSION AND SEDIMENTATION SHALL BE CONTROLLED BY THE FOLLOWING TECHNIQUES:

1. 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. CONTRACTOR IS RESPONSIBLE TO KEEP THE ROADS FREE AND CLEAN FROM MUD OR DEBRIS.
2. LIMITING THE EXTENT OF EXPOSED SOILS AT ANY GIVEN TIME.
3. REVEGETATION OF EXPOSED AREAS AS SOON AS POSSIBLE.
4. MINIMIZATION OF AREA TO BE CLEARED AND DISRUPTION TO ADJACENT AREAS.
5. INSTALLATION OF FILTER CLOTH BETWEEN FRAME AND COVER ON ALL PROPOSED CATCH BASINS AND CATCH BASIN MANHOLES.
6. A SILT FENCE TO BE INSTALLED 0.3m INSIDE THE SITE PROPERTY LINE TO LOCATIONS SHOWN ON THIS DRAWING.
7. A VISUAL INSPECTION SHALL BE COMPLETED DAILY ON SEDIMENT CONTROL BARRIERS AND ANY DAMAGE REPAIRED IMMEDIATELY. CARE WILL BE TAKEN TO PREVENT DAMAGE DURING CONSTRUCTION OPERATIONS.
8. IN SOME CASES SOME BARRIERS MAY BE REMOVED TEMPORARILY TO ACCOMMODATE THE CONSTRUCTION OPERATIONS. THE AFFECTED BARRIERS WILL BE REINSTATED AT NIGHT WHEN CONSTRUCTION IS COMPLETED.
9. THE SEDIMENT CONTROL DEVICES WILL BE CLEANED OF ACCUMULATED SILT AS REQUIRED. THE DEPOSITS WILL BE DISPOSED OF AS PER THE REQUIREMENTS OF THE CONTRACT.
10. DURING THE COURSE OF CONSTRUCTION IF THE ENGINEER BELIEVES THAT ADDITIONAL PREVENTION METHODS ARE REQUIRED TO CONTROL EROSION AND SEDIMENTATION, THE CONTRACTOR WILL INSTALL ADDITIONAL SILT FENCES OR OTHER METHODS AS REQUIRED TO THE SATISFACTION OF THE ENGINEER.
11. CONSTRUCTION AND MAINTENANCE REQUIREMENTS FOR EROSION AND SEDIMENT CONTROLS TO COMPLY WITH ONTARIO PROVINCIAL STANDARD SPECIFICATION (OPSS) OPSS 805, AND CITY OF OTTAWA SPECIFICATIONS.
12. SEDIMENT AND EROSION CONTROL MEASURES MAY BE MODIFIED IN THE FIELD AT THE DISCRETION OF THE CITY OF OTTAWA SITE INSPECTOR OR CONSERVATION AUTHORITY.

no.	date	revision / issue	by
7	2025-09-11	RE-ISSUED FOR SITE PLAN CONTROL	AKJ
6	2025-07-31	ISSUED FOR TENDER	AKJ
5	2025-07-07	ISSUED FOR BUILDING PERMIT	AKJ
4	2025-07-02	ISSUED FOR 99% SUBMISSION	AKJ
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2	2025-05-09	ISSUED FOR 66% CLIENT REVIEW	AKJ
1	2025-04-04	ISSUED FOR SITE PLAN CONTROL	AKJ
0	2025-03-14	ISSUED FOR 33% CLIENT REVIEW	AKJ

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project title
NEW CATHOLIC HIGH SCHOOL RIVERSIDE SOUTH
Manitoba Ontario

drawing title
SEDIMENT & EROSION CONTROL PLAN

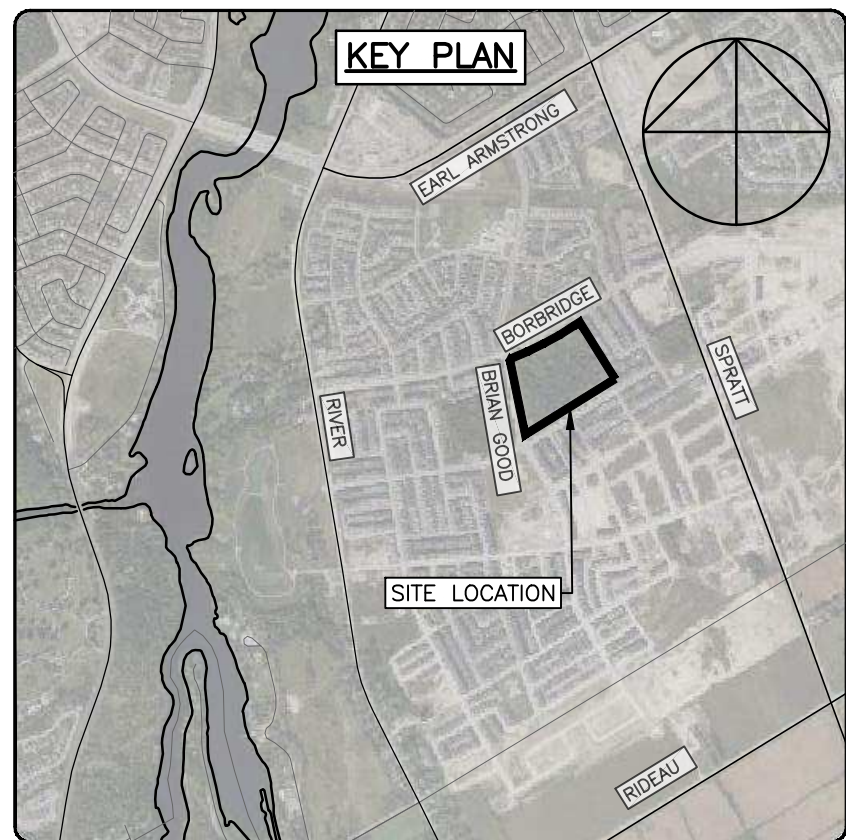
date	MARCH 14, 2025	job no.	
scale	1: 500	OTT-24005530-A0	
drawn	AGJ	drawing no.	
approved	AKJ	C300	
plot date	9/11/2025 9:43:16 AM		

DO NOT SCALE FROM THIS DRAWING
2. CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE WORK COMMENCES
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BEARING NOTE
BEARINGS ARE GRID, DERIVED FROM CAN-NET VRS
NETWORK GPS OBSERVATIONS ON NCC HORIZONTAL
CONTROL MONUMENTS 19773035 AND 19860191.
CENTRAL MERIDIAN, 76° 30' WEST LONGITUDE MTM
ZONE 9, NAD83 (ORIGINAL).
19773035 N:5006060 42 E:324888 04
19860191 N:5033564 26 E:388064 94
ELEVATION NOTE
ELEVATIONS SHOWN HEREON ARE GEODETIC
(CGVD-1928-1978) AND ARE DERIVED FROM VERTICAL
CONTROL MONUMENT No.001196530101 HAVING AN
ELEVATION OF 115.813.

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

APPROVED
By Allison Hamlin at 4:21 pm, Sep 24, 2025



LEGEND

- PROPERTY LINE
- SILT FENCE
- ONSITE OVERLAND FLOW ROUTE
- OFFSITE OVERLAND FLOW ROUTE
- AREA NO. 501
AREA IN HECTARES
RUNOFF COEFFICIENT
- CATCHMENT AREA
- PROPOSED ROOF DRAIN
- 5-YEAR ROOF PONDING
- 100-YEAR ROOF PONDING
- EX. MUN. STORM SEWER
- EX. STORM MANHOLE
- EX. CATCH-BASIN
- EX. SIDEWALK (CURB INLET) CATCHBASIN
- PROP. STORM PIPE
- PROP. STORM MANHOLE
- PROP. DOUBLE CATCHBASIN
- PROP. CATCHBASIN
- PROP. GRASS
- PROP. GRAVEL
- PROP. CONCRETE
- PROP. SAND
- PROP. ROOF
- PROP. ASPHALT
- PROP. TOP OF SLOPE
- PROP. SWALE C/W SUBDRAIN
- PROP. TERRACING (MAX 3:1)
- PROP. BOTTOM OF TERRACING
- PROP. ROOF OVERFLOW SCUPPER
- PROPOSED OVERFLOW ROOF DRAIN



STORMWATER STORAGE AND CONTROL TABLE						
AREA NO.	CONTROL METHOD (LOCATION)	CONTROL PRODUCT	C/L OF ORIFICE ELEVATION (m)	HEAD OVER ORIFICE - 100 Yr (m) (PONDING ELEVATION)	MAX. PONDING ELEVATION (m)	FREE BOARD FROM BUILDING FFE (m)
P-1	ICD (CB 307)	80mmØ Orifice Plate	88.37	3.18 (91.55)	91.63	0.47
P-2	ICD (CB 305)	140mmØ Orifice Plate	88.66	2.78 (91.44)		
P-3	ICD (CB 304)	130mmØ Orifice Plate	88.73	2.71 (91.44)		
P-4	ICD (CB 306)	226mmØ Orifice Plate	88.74	2.61 (91.35)	91.61	0.49
P-5	Uncontrolled	NA	NA	NA	91.73	0.37
P-6	Uncontrolled	NA	NA	NA	91.50	0.60
P-7	Uncontrolled	NA	NA	NA	91.46	0.64
P-8	Uncontrolled	NA	NA	NA	91.80	0.30
P-9	Uncontrolled	NA	NA	NA	NA	NA

ROOF PONDING TABLE						
AREA NO.	2-YEAR PONDING DEPTH (mm)	5-YEAR PONDING DEPTH (mm)	100-YEAR PONDING DEPTH (mm)	WEIR TYPE	NO. OF ROOF DRAINS	NO. OF WEIRS PER ROOF DRAIN
P-R-1	90	108	138	WATTS Accutrol Adjustable Flow Control	1	2
P-R-2	94	112	140	WATTS Accutrol Adjustable Flow Control	2	1
P-R-3	91	109	137	WATTS Accutrol Adjustable Flow Control	1	2
P-R-4	95	113	142	WATTS Accutrol Adjustable Flow Control	2	1
P-R-5	82	100	127	WATTS Accutrol Adjustable Flow Control	1	2
P-R-6	92	110	138	WATTS Accutrol Adjustable Flow Control	1	2
P-R-7	83	101	128	WATTS Accutrol Adjustable Flow Control	1	2
P-R-8	83	101	128	WATTS Accutrol Adjustable Flow Control	1	2
P-R-9	90	107	135	WATTS Accutrol Adjustable Flow Control	1	2
P-R-10	90	107	135	WATTS Accutrol Adjustable Flow Control	1	2
P-R-11	88	84	110	WATTS Accutrol Adjustable Flow Control	1	2
P-R-12	88	84	110	WATTS Accutrol Adjustable Flow Control	1	2
P-R-13	82	99	126	WATTS Accutrol Adjustable Flow Control	1	2
P-R-14	92	112	144	WATTS Accutrol Adjustable Flow Control	1	3
P-R-15	92	112	144	WATTS Accutrol Adjustable Flow Control	1	3
P-R-16	92	112	144	WATTS Accutrol Adjustable Flow Control	1	3
P-R-17	97	118	149	WATTS Accutrol Adjustable Flow Control	1	3

Roof Drain Types			
Drain Type =	RD1	RD2	RD3
Max Overflow Depth (mm)	150 mm	150 mm	150 mm
Flow Controlled (Yes/No)	Yes	Yes	Yes
Ponding	Yes	Yes	Yes
Weir Desc	Accutrol	Accutrol	Accutrol
No. Weirs	1	2	3

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professional stamp
Northpoint
W N E S

project title
NEW CATHOLIC HIGH SCHOOL RIVERSIDE SOUTH
Manitac Ontario

drawing title
POST-DEVELOPMENT SITE CATCHMENTS

date MARCH 14, 2025
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approved AKJ
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job no. OTT-24005530-A0
drawing no. C500

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