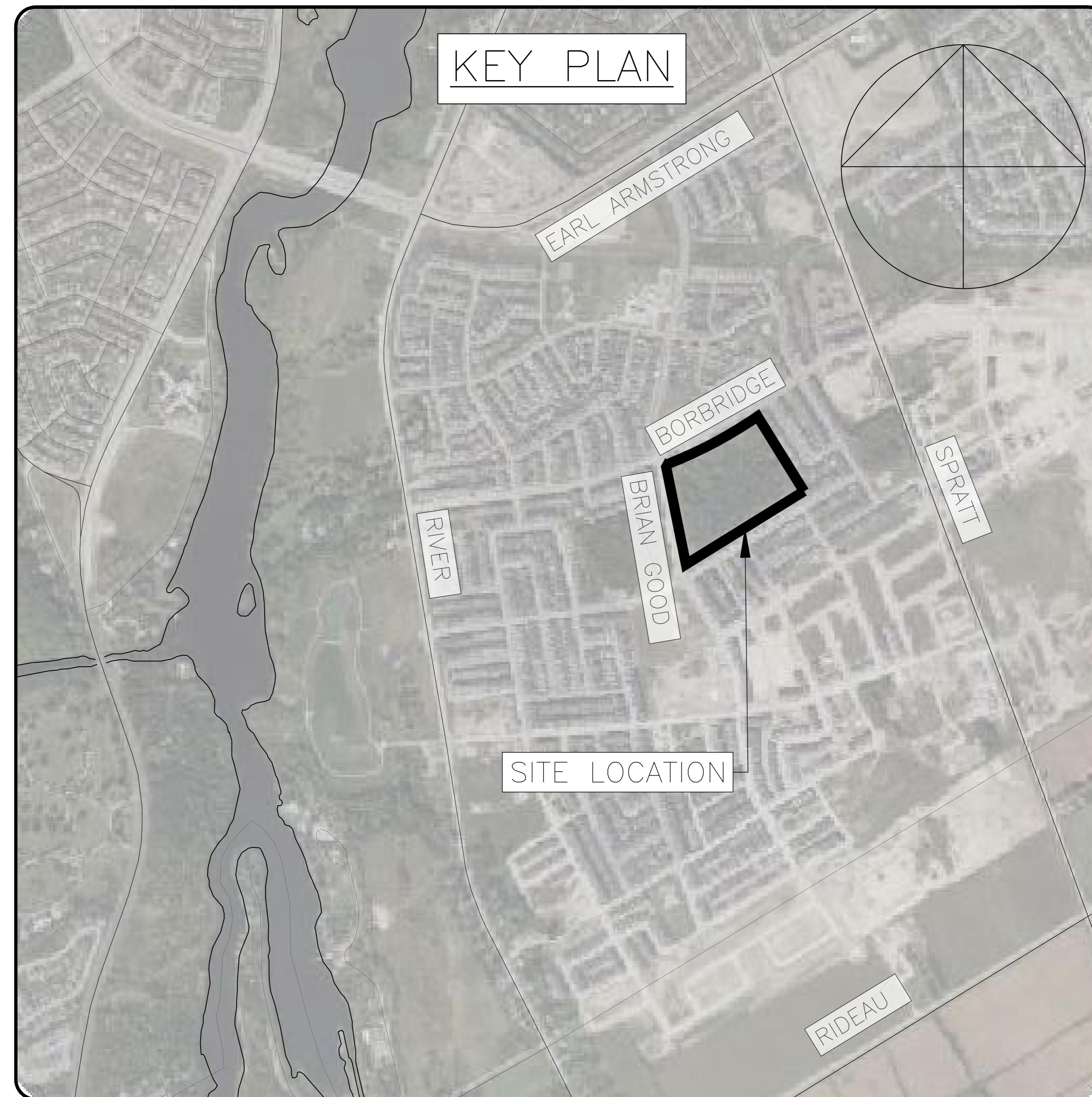


NEW CATHOLIC HIGH SCHOOL RIVERSIDE SOUTH 675 BORBRIDGE AVE, MANOTICK, ON K4M 0E2

BEARING NOTE
BEARINGS ARE GRID, DERIVED FROM CAN-NET VRS NETWORK GPS OBSERVATIONS ON NOC HORIZONTAL CONTROL MONUMENTS 19773035 AND 19680191, CENTRAL MERIDIAN, 76° 30' WEST LONGITUDE MTM ZONE 9, NAD83 (ORIGINAL).
19773035 N:5006060.42 E:324888.04
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ELEVATION NOTE
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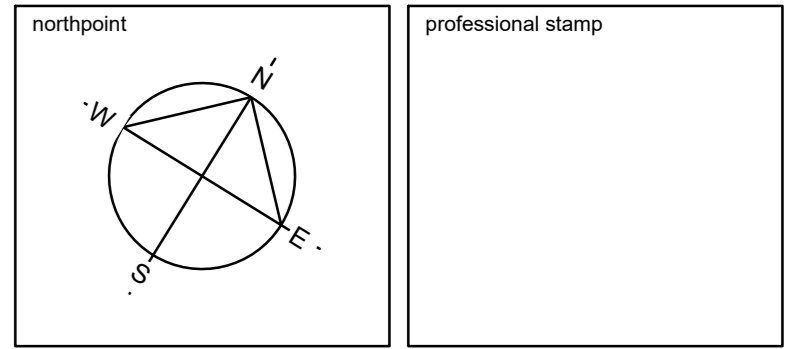


LIST OF DRAWINGS		
DWG NO.	DWG TITLE	DATE
	COVER SHEET	2025-06-17
C000	NOTES & DETAILS	2025-06-17
C001	EXISTING CONDITIONS AND REMOVALS PLAN	2025-06-17
C100	SITE SERVICING PLAN	2025-06-17
C200-1	SITE GRADING PLAN - INTERIM	2025-06-17
C200-2	SITE GRADING PLAN - ULTIMATE	2025-06-17
C300	EROSION AND SEDIMENT CONTROL PLAN	2025-06-17
C500	POST-DEVELOPMENT SITE CATCHMENTS	2025-06-17

no.	date	revision / issue	by
3	2025-06-17	RE-ISSUED FOR SITE PLAN CONTROL	AGJ
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project title
**NEW CATHOLIC HIGH SCHOOL
RIVERSIDE SOUTH**
Manotick, Ontario

drawing title
COVER

date	MARCH 14, 2025	job no.	
scale	N.T.S.	project no.	OTT-24005530-AO
drawn	AGJ	drawing no.	
approved	AKJ		
plot date	6/18/2025 10:51:21 AM		

1. DO NOT SCALE FROM THIS DRAWING
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3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE FOLLOWING DRAWINGS: ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, LANDSCAPE

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BUILDINGS • EARTH & ENVIRONMENT • ENERGY •
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PROJECT No.OTT-24005530-AO
JUNE 2025

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.
3. THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF EXISTING SERVICES PRIOR TO ANY CONSTRUCTION...
4. ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS...
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"...
7. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATION, BACKFILL AND REINSTATEMENT OF ALL AREAS DISTURBED DURING CONSTRUCTION...
8. ANY AREAS BEYOND THE LIMIT OF THE SITE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION...
9. THE CONTRACTOR SHALL COMPLY WITH THE CITY OF OTTAWA REQUIREMENTS FOR TRAFFIC CONTROL...
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.
13. THE SITE LAYOUT IS THE RESPONSIBILITY OF 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...
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...
18. THE CONTRACTOR SHALL APPRAISE HIS/HER SELF OF ALL SURFACE AND SUBSURFACE CONDITIONS...
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...
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...
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...
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 28, IPEX "RING-TITE" (OR EQUIVALENT)...
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...
7. THE CONTRACTOR SHALL CONDUCT INFILTRATION/EXFILTRATION (AS PER CURRENT OPSS) TESTING ON ALL NEWLY INSTALLED SANITARY SEWERS...
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 511 & 511.1.
10. THE CONTRACTOR SHALL CONSTRUCT FLEXIBLE SANITARY SEWERS IN ACCORDANCE WITH OPSD 802.010 AND 802.013...
11. ALL SANITARY BUILDING DRAINS TO BE EQUIPPED WITH SANITARY BACKWATER VALVES...
12. WITHIN THE FROST ZONE, THE BACKFILL IN THE SERVICE TRENCHES SHOULD MATCH THE SOIL ON SIDES TO MINIMIZE DIFFERENTIAL FROST HEAVING...
13. MINIMUM SOIL COVER TO BE 2.1m TO PROTECT SEWERS FROM FROST DAMAGE...
14. ALL SANITARY BUILDING DRAINS TO BE EQUIPPED WITH SANITARY BACKWATER VALVES...
15. WITHIN THE FROST ZONE, THE BACKFILL IN THE SERVICE TRENCHES SHOULD MATCH THE SOIL ON SIDES TO MINIMIZE DIFFERENTIAL FROST HEAVING...
16. MINIMUM SOIL COVER TO BE 2.1m TO PROTECT SEWERS FROM FROST DAMAGE...
17. ALL STORM SERVICES TO BE EQUIPPED WITH APPROVED BACKWATER VALVES...
18. STORM MANHOLE FRAME AND COVERS SHALL BE AS PER CITY OF OTTAWA STD. 524.1 AND 525.
19. SAFETY PLATFORMS SHALL BE IN ACCORDANCE WITH OPSD 404.02.
20. DROP STRUCTURES SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA SPECIFICATIONS AND OPSD 1003.01.
21. STORM SEWER MANHOLES SERVING LOCAL SEWERS LESS THAN 900mm SHALL BE CONSTRUCTED WITH A 300mm SLUMP...
22. SINGLE AND DOUBLE CATCHBASINS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. 51, AND OPSD 705.020...
23. CURB INLET TYPE CATCH BASIN (CICBS) SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. 53 AND GRATE SHALL BE AS PER CITY OF OTTAWA STD. 522 AND 523...
24. SINGLE AND DOUBLE CATCH-BASIN LEADS SHALL BE 200mm AND 250mm (MIN) RESPECTIVELY...
25. ALL CATCHBASINS AND CATCHBASIN MANHOLES SHALL HAVE SLUMPS WITH 300mm DEPTH...
26. THE CONTRACTOR SHALL ENSURE THAT CATCHBASINS ARE INSTALLED AT THE LOW POINT OF SAG CURB WORKS.
27. THE STORM SEWER CLASSES HAVE BEEN DESIGNED BASED ON BEDDING CONDITIONS SPECIFIED...
28. THE STORM SEWER CLASSES HAVE BEEN DESIGNED BASED ON BEDDING CONDITIONS SPECIFIED...

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)...
3. ALL PVC STORM SEWERS ARE TO BE SDR 35 APPROVED PER C.S.A. 8182.2 OR LATEST AMENDMENT...
4. THE CONTRACTOR SHALL CONSTRUCT FLEXIBLE STORM SEWERS IN ACCORDANCE WITH OPSD 802.010 AND 802.013...
5. SEWER BEDDING AS PER CITY STANDARD 56 & 57.
6. ALL STORM LATERALS SHALL BE PVC SDR 28, WHITE IN COLOR AND MARKED WITH A 50mm X 100mm WOODEN MARKER...
7. ALL SERVICE CONNECTIONS TO BE CONSTRUCTED AS PER CITY STANDARD 511 & 511.1.
8. WITHIN THE FROST ZONE, THE BACKFILL IN THE SERVICE TRENCHES SHOULD MATCH THE SOIL ON SIDES TO MINIMIZE DIFFERENTIAL FROST HEAVING...
9. MINIMUM SOIL COVER TO BE 2.1m TO PROTECT SEWERS FROM FROST DAMAGE...
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...
15. SINGLE AND DOUBLE CATCHBASINS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. 51, AND OPSD 705.020...
16. CURB INLET TYPE CATCH BASIN (CICBS) SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. 53 AND GRATE SHALL BE AS PER CITY OF OTTAWA STD. 522 AND 523...
17. SINGLE AND DOUBLE CATCH-BASIN LEADS SHALL BE 200mm AND 250mm (MIN) RESPECTIVELY...
18. ALL CATCHBASINS AND CATCHBASIN MANHOLES SHALL HAVE SLUMPS WITH 300mm DEPTH...
19. THE 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...
21. THE STORM SEWER CLASSES HAVE BEEN DESIGNED BASED ON BEDDING CONDITIONS SPECIFIED...

HIS OWN EXPENSE AND SHALL ALSO BE RESPONSIBLE FOR EXTRA TEMPORARY AND/OR PERMANENT REPAIRS MORE NECESSARY BY THE WOODEN TRENCH.

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...
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...
5. ALL PVC WATERMANS SHALL BE INSTALLED WITH A 10 GAUGE STRANDED COPPER TWU OR RWU TRACER WIRE...
6. WATER SERVICES ARE TO BE TYPE K SOFT COPPER AS PER CITY OF OTTAWA STD. W06...
7. CATHODIC PROTECTION IS REQUIRED ON ALL METALLIC FITTINGS AS PER CITY OF OTTAWA STD. W40 AND W41.
8. VALVE BOXES SHALL BE INSTALLED AS PER CITY OF OTTAWA DETAIL 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. WATERMAIN MUST BE DEFLECTED TO MEET ALIGNMENT...
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...
16. INSULATION FOR WATERMAIN CROSSING OVER AND BELOW SEWER SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. W25.2 AND W25, RESPECTIVELY...
17. WHERE THE SEPARATION BETWEEN SERVICES AND MANHOLES IS LESS THAN 2.4m...
18. AS PER CITY GUIDELINE, THE MINIMUM VERTICAL CLEARANCE BETWEEN WATERMAIN AND SEWER / UTILITY IS 0.2M FOR CROSSING OVER THE SEWER...
19. CONCRETE CURB SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. SC1.1 (BARRIER CURB) AND SC1.3 (ADJUSTABLE CURB)...
20. ROAD SUBDRAINS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. R1...
21. PAVEMENT REINSTATEMENT FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. R10 AND OPSD 509.010...
22. GRANULAR 'A' SHALL BE PLACED TO A MINIMUM THICKNESS OF 300mm AROUND ALL STRUCTURES WITHIN PAVEMENT AREA.
23. ASPHALT WEAR COURSE SHALL NOT BE PLACED UNTIL THE VIDEO INSPECTION OF SEWERS & NECESSARY REPAIRS HAVE BEEN CARRIED OUT...
24. SUB- EXCAVATE SOFT AREAS AND FILL WITH GRANULAR 'B' COMPACTED IN MAXIMUM 300mm LIFTS.
25. PAVEMENT STRUCTURE: AS PER GEOTECH INVESTIGATION REPORT PREPARED BY EXP SERVICES INC DATED JANUARY 20, 2025, ALSO SHOWN IN TABLE BELOW.

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 (ADJUSTABLE CURB)...
3. ROAD SUBDRAINS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. R1...
4. PAVEMENT REINSTATEMENT FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. R10 AND OPSD 509.010...
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...
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.

Table with 4 columns: Pavement Layer, Compaction Requirements, Light Duty Traffic (Cars Only), Heavy Duty Traffic (Bus areas, Garbage Trucks, Emergency Vehicles). Rows include Asphalt Concrete, OPSD 1010 Granular A Base, and OPSD 1010 Granular B Type II Sub-base.

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 PERIODS.
5. GRADING IN GRASSED AREAS WILL BE BETWEEN 2% TO 7%. GRADES IN EXCESS OF 7% WILL REQUIRE A MAXIMUM 5:1 TERRACING.
6. FINAL EXTERIOR ELEVATION ADJACENT TO BUILDING FOUNDATION TO BE MINIMUM 200mm BELOW FFE(92.10) EXCEPT AS INDICATED AND AS REQUIRED FOR TAPPING AT ACCESSIBLE ENTRANCES.

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Revision table with columns: no., date, revision / issue, by. Includes entries for 2025-06-17, 2025-05-09, 2025-04-04, 2025-03-14.

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Northpoint and professional stamp area with a circular seal and signature.

project title: NEW CATHOLIC HIGH SCHOOL RIVERSIDE SOUTH. drawing title: NOTES AND DETAILS. Location: Manick, Ontario.

Metadata table with fields: date (MARCH 14, 2025), scale (N.T.S.), drawn (AGJ), approved (AKJ), job no. (OTT-24005530-A0), drawing no. (C000), plot date (6/18/2025 10:51:27 AM).

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Vertical text on the left margin: 2025-06-17 10:51:27 AM... 2025-06-17 10:51:27 AM... 2025-06-17 10:51:27 AM...

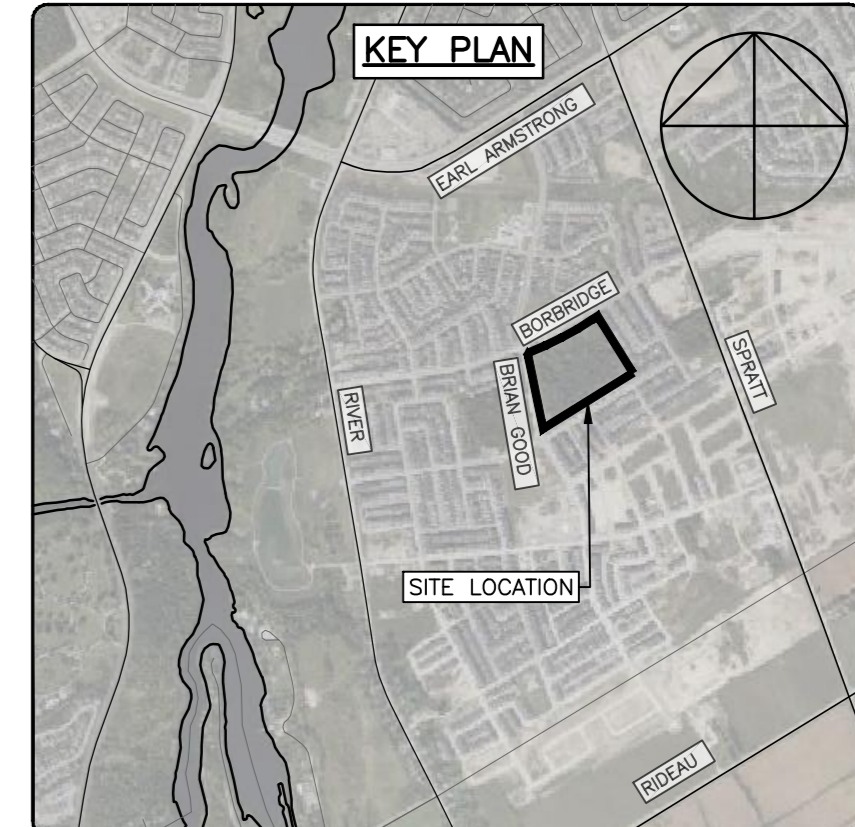
PLAN #

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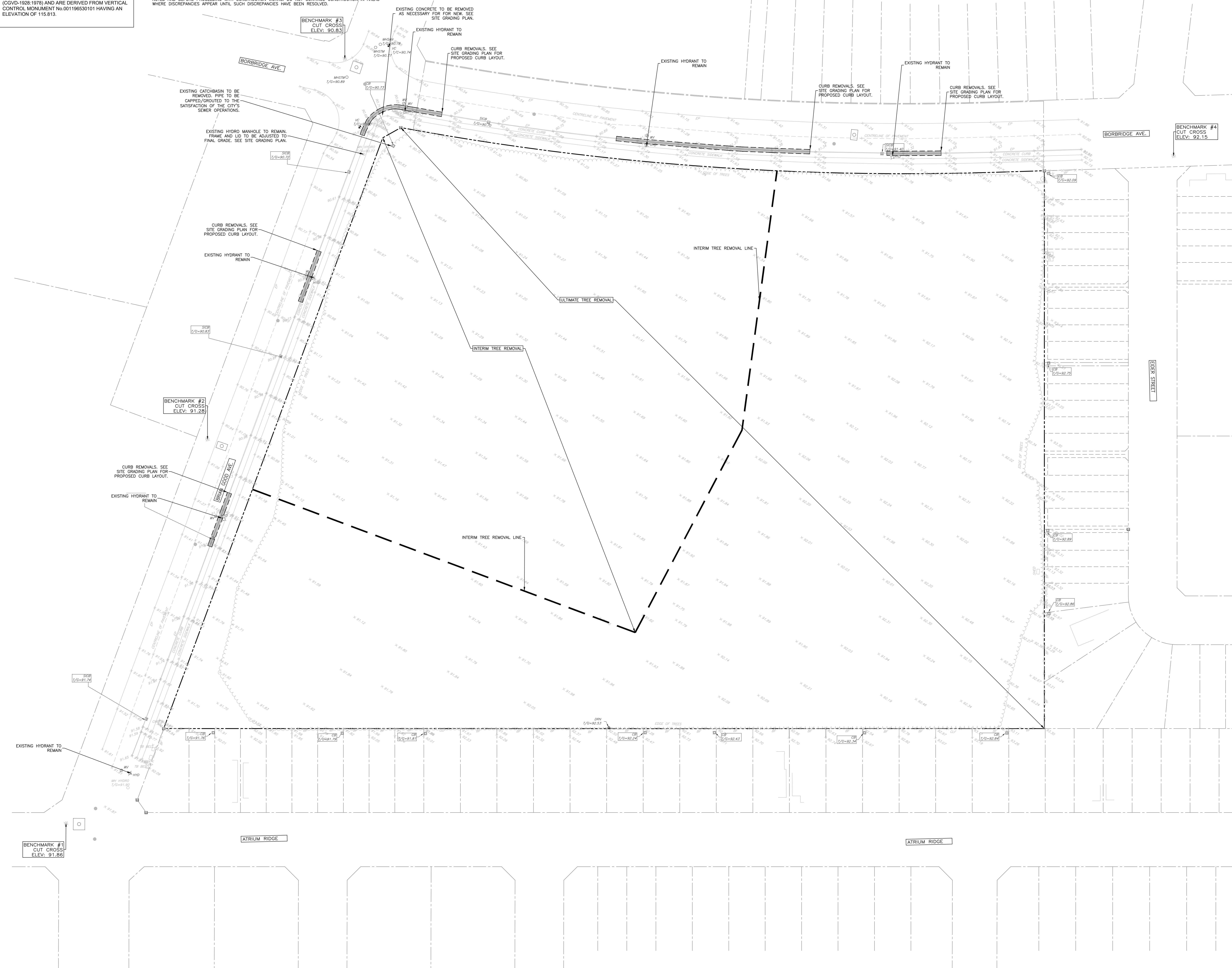
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2. THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF EXISTING SERVICES PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL CONFIRM LOCATIONS AND ELEVATIONS OF EXISTING SERVICES PRIOR TO COMMENCING CONSTRUCTION. ALL DIMENSIONS SHALL BE CHECKED AND 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.



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. WATERMAIN
○	EX. MUNI. STORM SEWER
○	EX. MUNI. SAN SEWER
---	INTERIM GRADING TREE LINE
---	CURB & BOULEVARD REMOVALS



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northpoint

 professional stamp

project title
NEW CATHOLIC HIGH SCHOOL RIVERSIDE SOUTH
 Manicoba Ontario

drawing title
EXISTING CONDITIONS & REMOVALS PLAN

date	MARCH 14, 2025	job no.	
scale	1 : 500	project no.	OTT-24005530-A0
drawn	AGJ	drawing no.	
approved	AKJ		C001
plot date	6/18/2025 2:26:45 PM		

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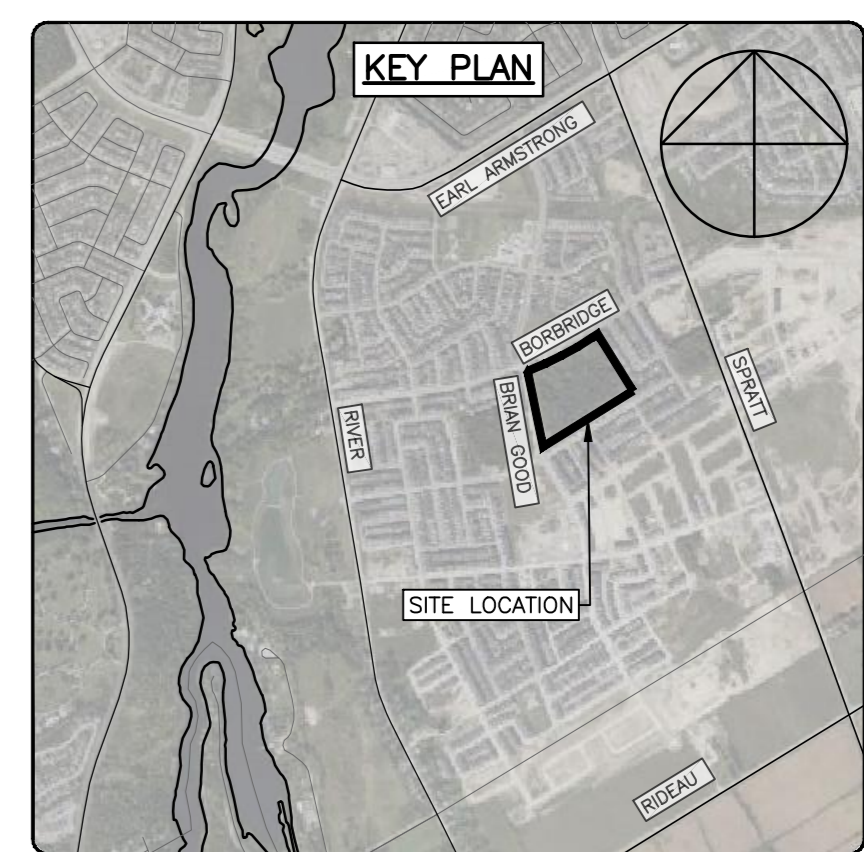
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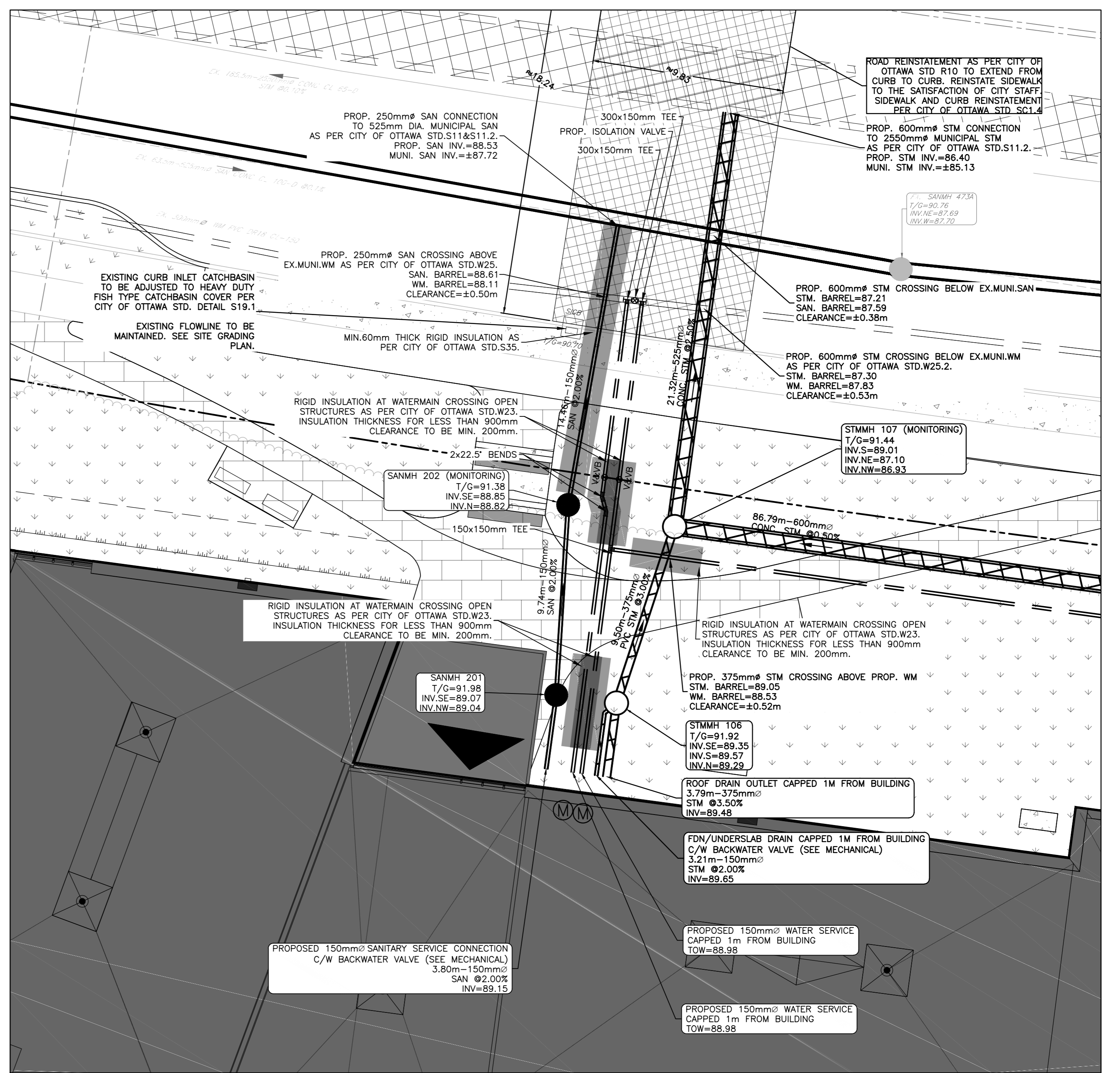
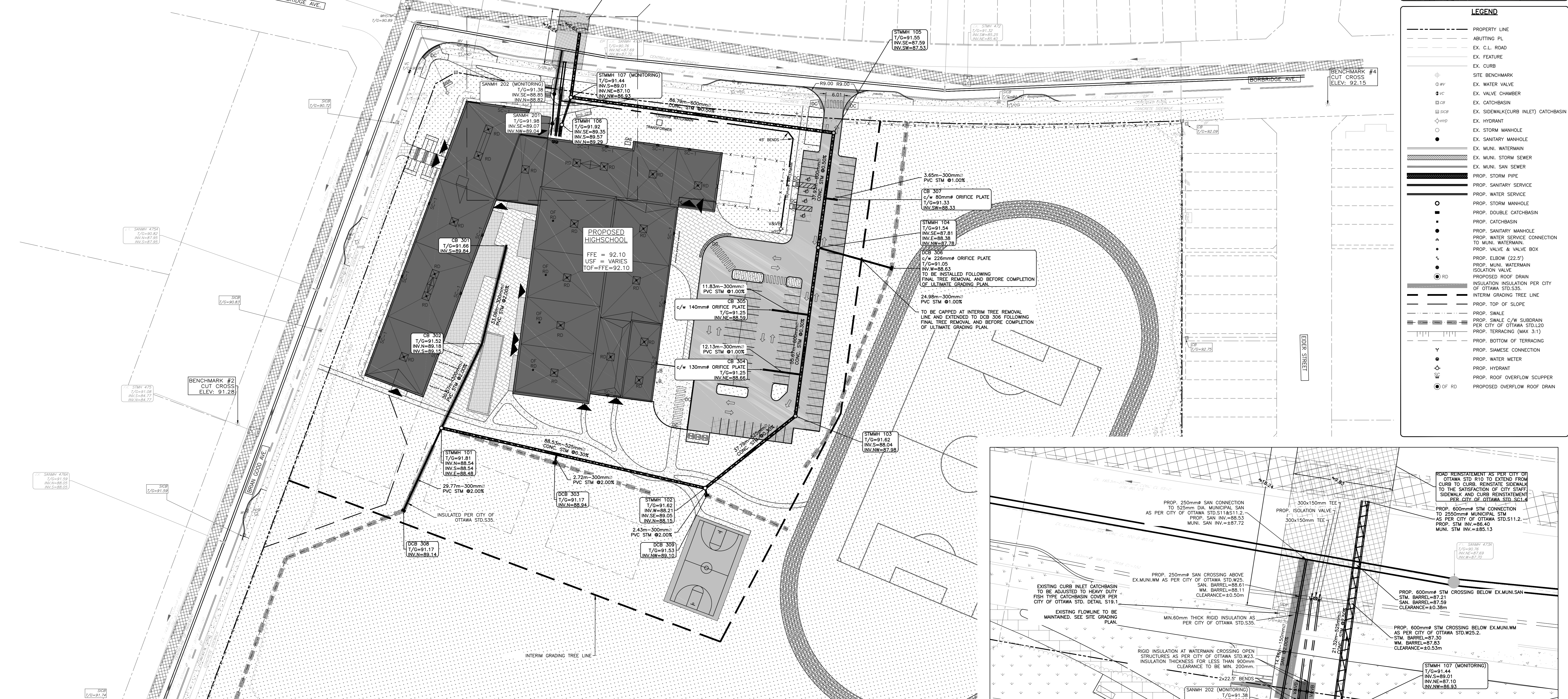
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LEGEND

- 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. STORM 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
- INTERIM GRADING TREE LINE
- PROP. TOP OF SLOPE
- PROP. SWALE
- PROP. SWALE C/W SUBDRAIN PER CITY OF OTTAWA STD.220
- 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



PROPOSED SEWER TABLE

US	STRUCTURE	DIS	TYPE	INVERT ELEV (m)		NOMINAL DIA. (mm)	LENGTH (m)	Type	Class	Slope (%)
				US	DIS					
BLDG	STMH 106	STM	89.48	89.35	375.000000	3.79	PVC	SDR 26	3.50%	
BLDG	ELBOW	STM	89.65	89.59	150.000000	3.21	PVC	SDR 26	2.00%	
ELBOW	STMH 106	STM	89.59	89.57	150.000000	0.79	PVC	SDR 26	2.00%	
STMH 106	STMH 107	STM	89.29	89.01	375.000000	9.90	PVC	SDR 26	3.00%	
STMH 107	MUNI. STORM	STM	88.9300	86.40	525.000000	21.32	CONC.	65.0	2.50%	
STMH 105	STMH 107	STM	87.53	87.10	600.000000	86.79	CONC.	65.0	0.50%	
STMH 104	STMH 105	STM	87.78	87.58	600.000000	37.83	CONC.	65.0	0.50%	
STMH 104	STMH 104	STM	87.58	87.81	600.000000	55.67	CONC.	65.0	0.30%	
STMH 102	STMH 103	STM	88.15	88.04	525.000000	37.79	CONC.	65.0	0.30%	
STMH 101	STMH 102	STM	88.48	88.21	525.000000	88.53	CONC.	65.0	0.30%	
CB 301	CB 302	STM	89.84	89.18	300.000000	33.09	PVC	SDR 35	2.00%	
CB 302	STMH 101	STM	89.15	88.54	300.000000	30.57	PVC	SDR 35	2.00%	
DCB 303	STM	89.84	88.88	300.000000	2.72	PVC	SDR 35	2.00%		
CB 304	STM	89.66	89.53	300.000000	12.13	PVC	SDR 35	1.00%		
CB 305	STM	89.58	89.48	300.000000	11.83	PVC	SDR 35	1.00%		
DCB 306	STMH 104	STM	88.63	88.38	300.000000	24.86	PVC	SDR 35	1.00%	
CB 307	STM	88.33	88.30	300.000000	3.65	PVC	SDR 35	1.00%		
DCB 308	STMH 101	STM	89.14	88.54	300.000000	29.77	PVC	SDR 35	2.00%	
DCB 309	STMH 102	STM	89.10	88.95	300.000000	2.43	PVC	SDR 35	2.00%	
BLDG	SANMH 201	SAN	89.15	89.07	150.000000	3.89	PVC	SDR 26	2.00%	
SANMH 201	SANMH 202	SAN	89.04	88.85	150.000000	9.74	PVC	SDR 26	2.00%	
SANMH 202	MUNI. SAN	SAN	88.82	88.83	150.000000	14.46	PVC	SDR 26	2.00%	

STRUCTURE TABLE

STRUCTURE NUMBER	TYPE	LID ELEV (m)	INVERT IN (mm)	INVERT OUT (mm)	SIZE	REFERENCE	FRAME	COVER
STMH 101	STM	91.81	88.54 (300)	88.48 (325)	1200mmØ	OPSD 701.010	S25	S24.1
STMH 102	STM	91.62	88.21 (325)	88.15 (325)	1500mmØ	OPSD 701.011	S25	S24.1
STMH 103	STM	91.62	88.04 (325)	87.88 (300)	1000mmØ	OPSD 701.011	S25	S24.1
STMH 104	STM	91.54	87.81 (300)	87.78 (300)	1500mmØ	OPSD 701.011	S25	S24.1
STMH 105	STM	91.55	87.59 (300)	87.53 (300)	1000mmØ	OPSD 701.011	S25	S24.1
STMH 106	STM	91.82	89.35 (375)	89.29 (375)	1200mmØ	OPSD 701.010	S25	S24.1
STMH 107	STM	91.44	89.01 (375)	88.93 (325)	1500mmØ	OPSD 701.011	S25	S24.1
CB 301	STM	91.66	89.84 (300)	89.84 (300)	600x600mm	OPSD 705.010	OPSD 400.020	S19.1
CB 302	STM	91.62	89.18 (300)	89.15 (300)	600x600mm	OPSD 705.010	OPSD 400.020	S19.1
DCB 303	STM	91.17	88.94 (300)	88.94 (300)	600x1450mm	OPSD 705.020	OPSD 400.020 (x2)	S19.1 (x2)
CB 304	STM	91.25	88.66 (300)	88.66 (300)	600x600mm	OPSD 705.010	OPSD 400.020	S19.1
CB 305	STM	91.25	88.58 (300)	88.58 (300)	600x600mm	OPSD 705.010	OPSD 400.020	S19.1
DCB 306	STM	91.05	88.63 (300)	88.63 (300)	600x1450mm	OPSD 705.020	OPSD 400.020 (x2)	S19.1 (x2)
CB 307	STM	91.33	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)	600x1450mm	OPSD 705.020	OPSD 400.020 (x2)	S19.1 (x2)
DCB 309	STM	91.53	89.10 (300)	89.10 (300)	600x1450mm	OPSD 705.020	OPSD 400.020 (x2)	S19.1 (x2)
SANMH 201	SAN	91.98	89.07 (150)	89.04 (150)	1200mmØ	OPSD 701.010	S25	S24
SANMH 202	SAN	91.38	88.85 (150)	88.82 (150)	1200mmØ	OPSD 701.010	S25	S24

no.	date	revision / issue	by
3	2023-06-17	RE-ISSUED FOR SITE PLAN CONTROL	AGJ
2	2023-05-09	ISSUED FOR 66% CLIENT REVIEW	AKJ
1	2023-04-04	ISSUED FOR SITE PLAN CONTROL	AKJ
0	2023-03-14	ISSUED FOR 33% CLIENT REVIEW	AKJ

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new CATHOLIC HIGH SCHOOL RIVERSIDE SOUTH
Manitac Ontario

SITE SERVICING PLAN

drawing title
date MARCH 14, 2025
scale 1:500
drawn AGJ
approved AKJ
plot date 6/19/2025 1:18:58 PM

job no.
OTT-2405530-A0
drawing no.
C100

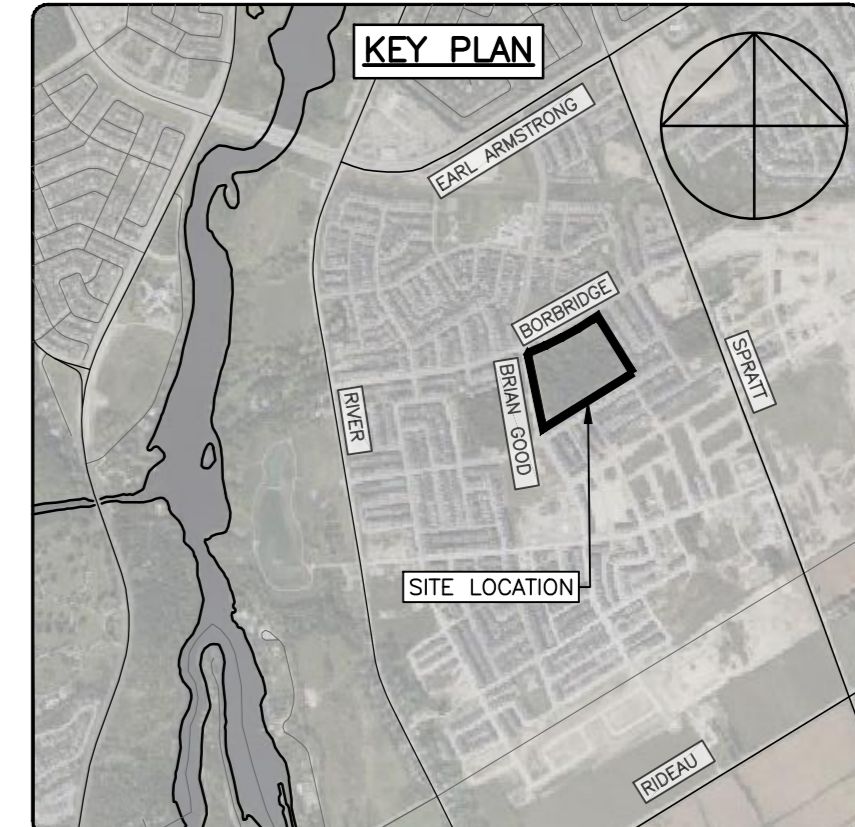
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D1
C100
SITE SERVICING
SCALE 1:150

BEARING NOTE
 BEARINGS ARE GRID, DERIVED FROM CAN-NET VRS NETWORK GPS OBSERVATIONS ON NOC HORIZONTAL CONTROL MONUMENTS 19773035 AND 19680191, CENTRAL MERIDIAN, 76° 30' WEST LONGITUDE MTM ZONE 9, NAD83 (ORIGINAL).
 19773035 N:5006060.42 E:324888.04
 19680191 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 115.915.

FINAL EXTERIOR ELEVATION ADJACENT TO BUILDING FOUNDATION TO BE MINIMUM 300MM BELOW FINISHED TO EXCEPT AS INDICATED AND AS REQUIRED FOR TAPERING AT ACCESSIBLE ENTRANCES.



LEGEND

---	PROPERTY LINE
---	ABUTTING PL
---	EX. C.L. ROAD
---	EX. FEATURE
---	EX. CURB
---	EX. ELEV
○	SITE BENCHMARK
○	EX. WATER VALVE
○	EX. WAVE 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)
• 92.39MC	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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project title
NEW CATHOLIC HIGH SCHOOL RIVERSIDE SOUTH
 Manicoba Ontario

drawing title
SITE GRADING PLAN - INTERIM

date	MARCH 14, 2025	job no.	
scale	1 : 500	OTT-24005530-A0	
drawn	AKJ	drawing no.	
approved	AKJ	C200-1	
plot date	6/18/2025 10:52:40 AM		

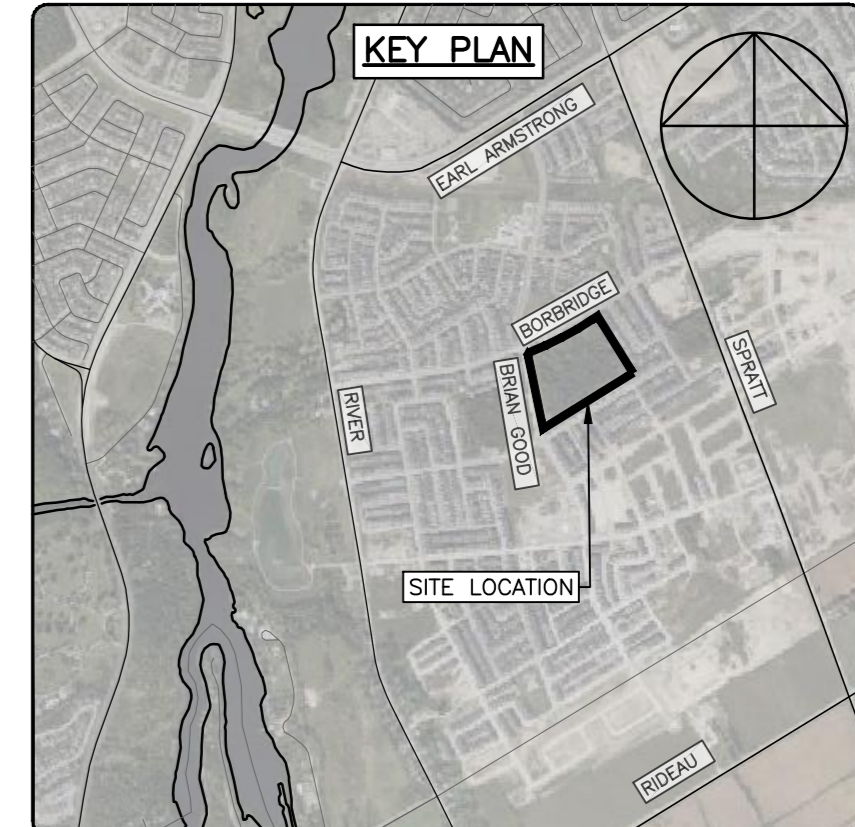
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 1 CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE WORK COMMENCES
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19773035 N:5006060.42 E:324888.04
 19680191 N:5033564.26 E:388064.94
 001196530101
 115.915
 19773035 N:5006060.42 E:324888.04
 19680191 N:5033564.26 E:388064.94
 001196530101
 115.915

PC2024-0387

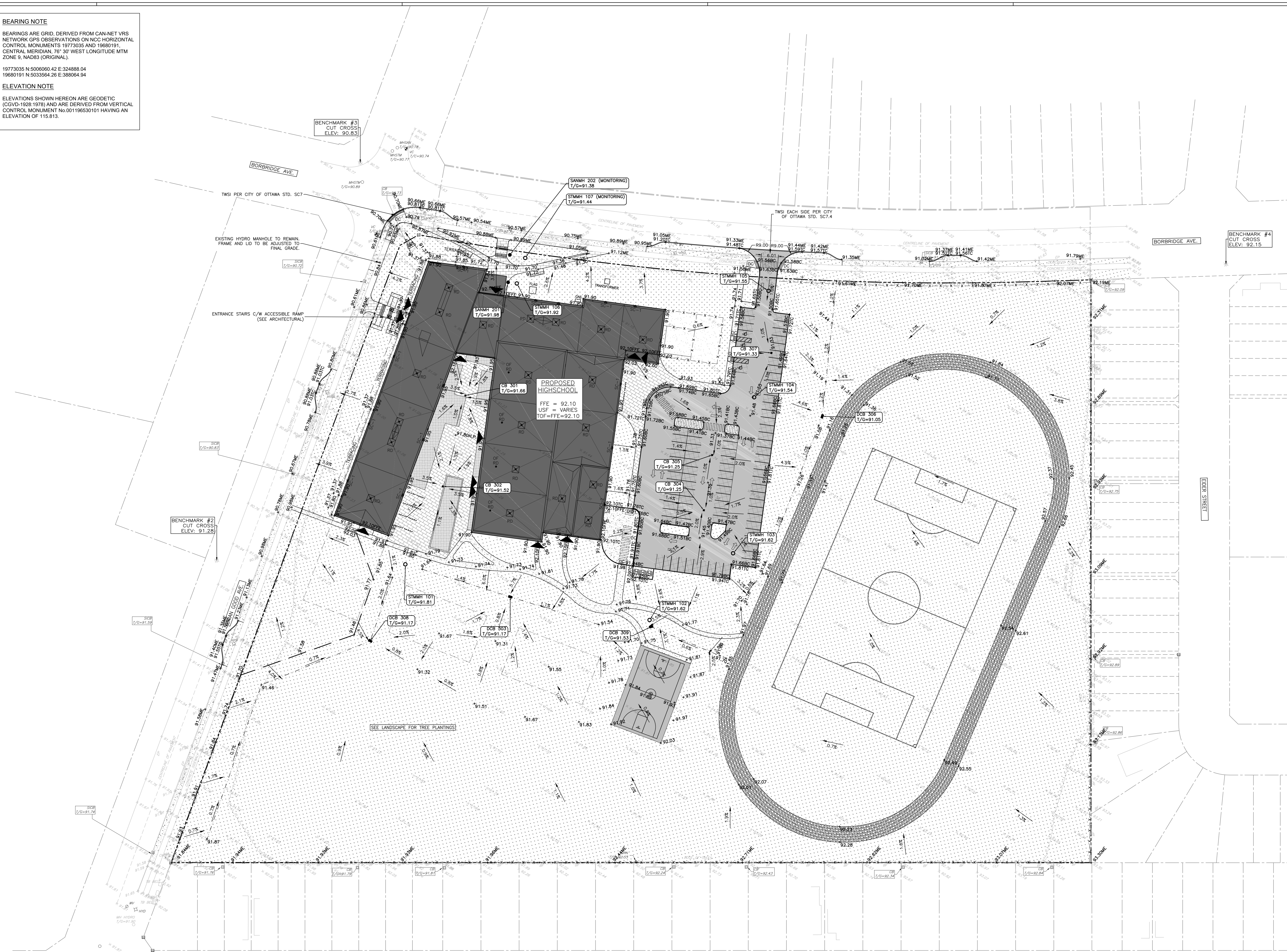
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 19680191 N:5033564.26 E:388064.94

ELEVATION NOTE
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LEGEND

- PROPERTY LINE
- ABUTTING PL
- EX. C.L. ROAD
- EX. FEATURE
- EX. CURB
- EX. ELEV
- SITE BENCHMARK
- EX. WATER VALVE
- EX. WAVE CHAMBER
- EX. CATCHBASIN
- EX. SIDEWALK (CURB INLET) CATCHBASIN
- EX. HYDRANT
- EX. STORM MANHOLE
- EX. SANITARY MANHOLE
- EX. TREE LINE
- EX. FENCE
- PROP. GRADE (%)
- PROP. ELEVATION
- PROP. ELEVATION (TOP OF CURB)
- PROP. ELEVATION (BOTTOM OF CURB)
- PROP. ELEVATION (MATCH EX. ELEV.)
- PROP. FINISHED FLOOR ELEVATION
- PROP. FENCE
- PROP. TOP OF SLOPE
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- PROP. BOTTOM OF TERRACING
- PROP. CURB
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- PROP. GRASS
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- PROP. CATCHBASIN
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- PROP. HYDRANT



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project title
NEW CATHOLIC HIGH SCHOOL RIVERSIDE SOUTH
 Manicoba Ontario

drawing title
SITE GRADING PLAN - ULTIMATE

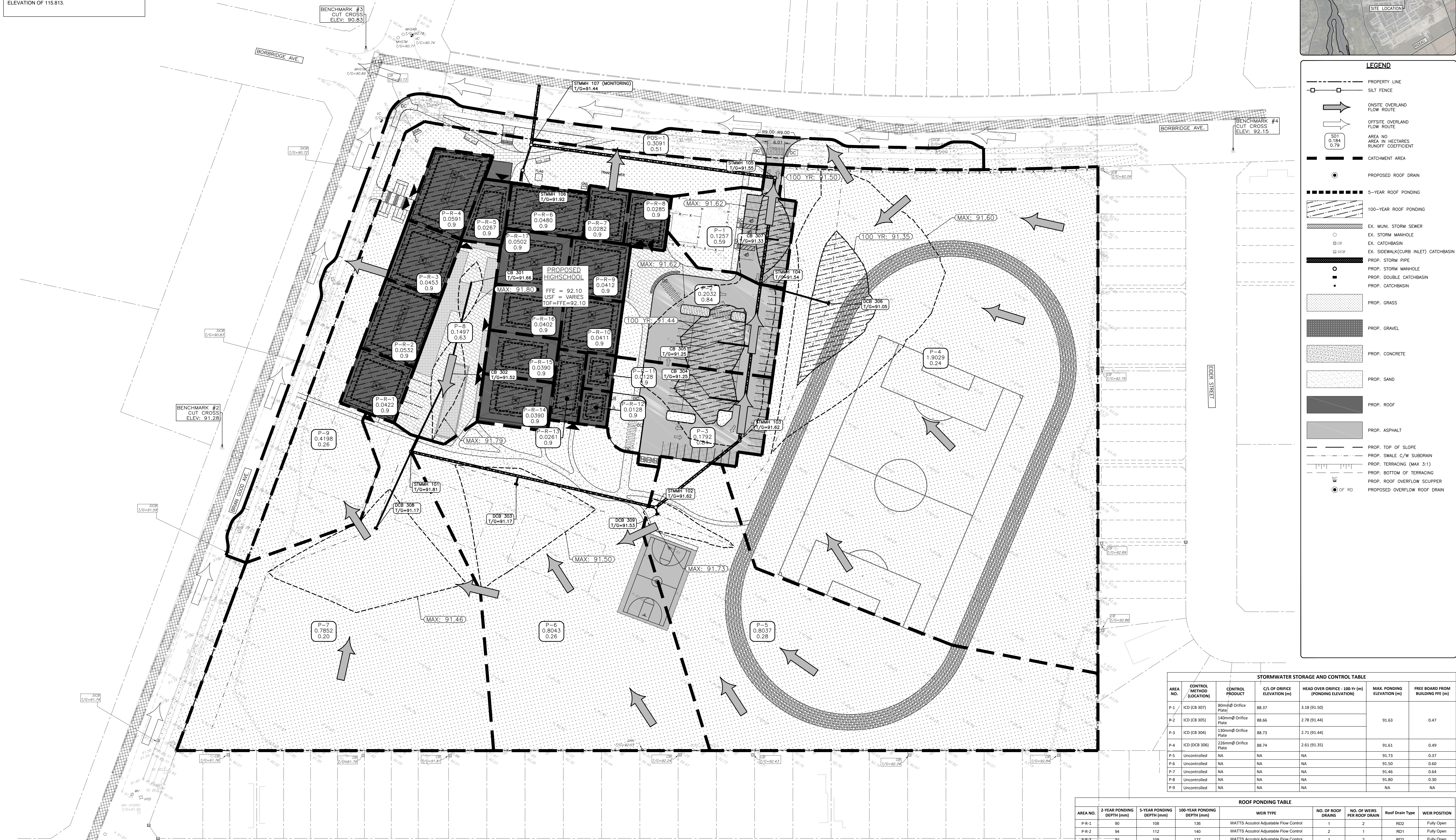
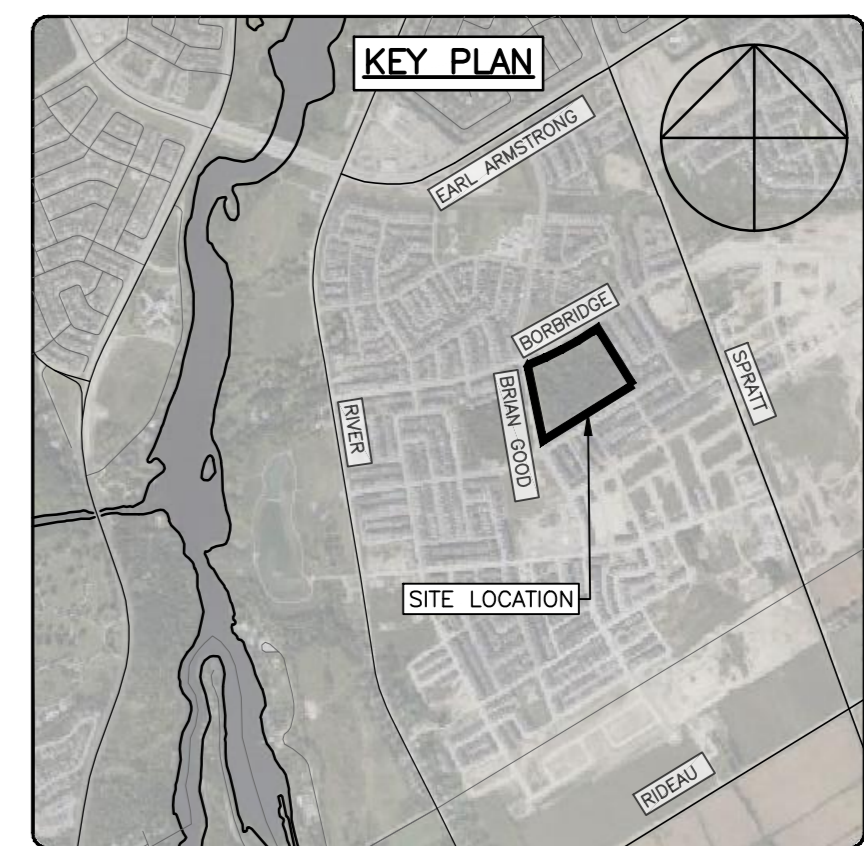
date	MARCH 14, 2025	job no.	
scale	1 : 500	OTT-24005530-A0	
drawn	AKJ	drawing no.	
approved	AKJ	C200-2	
plot date	6/18/2025 10:52:56 AM		

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1. 2025-06-17 RE-ISSUED FOR SITE PLAN CONTROL AGJ
 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
 no. date revision / issue by

BEARING NOTE
 BEARINGS ARE GRID, DERIVED FROM CAN-NET VRS NETWORK GPS OBSERVATIONS ON NOC HORIZONTAL CONTROL MONUMENTS 1977305 AND 19680191. CENTRAL MERIDIAN, 76° 30' WEST LONGITUDE MTM ZONE 9, NAD83 (ORIGINAL).
 1977305 N:5006060.42 E:324888.04
 19680191 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 115.915.



LEGEND

- PROPERTY LINE
- SILT FENCE
- ON-SITE OVERLAND FLOW ROUTE
- OFF-SITE OVERLAND FLOW ROUTE
- AREA NO. AREA IN HECTARES RUNOFF COEFFICIENT
- CATCHMENT AREA
- PROPOSED ROOF DRAIN
- 5-YEAR ROOF PONDING
- 100-YEAR ROOF PONDING
- EX. MUNI. STORM SEWER
- EX. STORM MANHOLE
- EX. CATCHBASIN
- 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. SMALL 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	CL OF ORIFICE (mm)	HEAD OVER ORIFICE - 100 Yr (m) (PONDING ELEVATION)	MAX. PONDING ELEVATION (m)	FREE BOARD FROM BUILDING FFE (m)											
P-1	ICD (CB 307)	80mm Ø Orifice Plate	88.37	3.18 (91.50)													
P-2	ICD (CB 305)	140mm Ø Orifice Plate	88.66	2.78 (91.44)	91.63	0.47											
P-3	ICD (CB 304)	130mm Ø Orifice Plate	88.73	2.71 (91.44)													
P-4	ICD (DCB 306)	225mm Ø 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 </tr <tr> <td>P-9</td> <td>Uncontrolled</td> <td>NA</td> <td>NA</td> <td>NA</td> <td>91.80</td> <td>0.30</td> </tr> <tr> <td>P-9</td> <td>Uncontrolled</td> <td>NA</td> <td>NA</td> <td>NA</td> <td>NA</td> <td>NA</td> </tr>	P-9	Uncontrolled	NA	NA	NA	91.80	0.30	P-9	Uncontrolled	NA	NA	NA	NA	NA
P-9	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	Roof Drain Type	WEIR POSITION
P-R-1	90	108	138	WATTS Accutrol Adjustable Flow Control	1	2	RD2	Fully Open
P-R-2	94	112	140	WATTS Accutrol Adjustable Flow Control	2	1	RD1	Fully Open
P-R-3	91	109	137	WATTS Accutrol Adjustable Flow Control	1	2	RD2	Fully Open
P-R-4	95	113	142	WATTS Accutrol Adjustable Flow Control	2	1	RD1	Fully Open
P-R-5	82	100	127	WATTS Accutrol Adjustable Flow Control	1	2	RD2	Fully Open
P-R-6	92	110	138	WATTS Accutrol Adjustable Flow Control	1	2	RD2	Fully Open
P-R-7	83	101	128	WATTS Accutrol Adjustable Flow Control	1	2	RD2	Fully Open
P-R-8	83	101	128	WATTS Accutrol Adjustable Flow Control	1	2	RD2	Fully Open
P-R-9	90	107	135	WATTS Accutrol Adjustable Flow Control	1	2	RD2	Fully Open
P-R-10	90	107	135	WATTS Accutrol Adjustable Flow Control	1	2	RD2	Fully Open
P-R-11	88	106	134	WATTS Accutrol Adjustable Flow Control	1	2	RD2	Fully Open
P-R-12	88	106	134	WATTS Accutrol Adjustable Flow Control	1	2	RD2	Fully Open
P-R-13	82	99	126	WATTS Accutrol Adjustable Flow Control	1	2	RD2	Fully Open
P-R-14	92	112	144	WATTS Accutrol Adjustable Flow Control	1	3	RD3	Fully Open
P-R-15	92	112	144	WATTS Accutrol Adjustable Flow Control	1	3	RD3	Fully Open
P-R-16	92	112	144	WATTS Accutrol Adjustable Flow Control	1	3	RD3	Fully Open
P-R-17	97	118	149	WATTS Accutrol Adjustable Flow Control	1	3	RD3	Fully Open

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

no.	date	revision / issue	by
3	2025-06-17	RE-ISSUED FOR 66% CLIENT REVIEW	AGJ
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project title
NEW CATHOLIC HIGH SCHOOL RIVERSIDE SOUTH
 Manitowick Ontario

drawing title
POST-DEVELOPMENT SITE CATCHMENTS

date: MARCH 14, 2025 job no.:
 scale: 1 : 500 OTT-24005530-A0
 drawn: AGJ drawing no.:
 approved: AKJ
 plot date: 6/18/2025 11:33:46 AM **C500**

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Project: 24005530-01 - NEW CATHOLIC HIGH SCHOOL RIVERSIDE SOUTH
 Drawing: 24005530-01 - POST-DEVELOPMENT SITE CATCHMENTS
 Date: 2025-03-14
 Author: AKJ
 Checker: AKJ
 Date: 2025-03-14
 Project Manager: AKJ
 Date: 2025-03-14
 Scale: 1:500
 Drawing No.: C500
 Job No.: OTT-24005530-A0
 Client: Écoles catholiques Centre-Est
 Location: 47 Queens Street, Suite 401, Ottawa, ON K1N 8K1
 Contact: 613-541-8203, info@grcarchitects.com, www.grcarchitects.com