

NEW HIGHSCHOOL 675 BORBRIDGE AVENUE OTTAWA, ONTARIO.



LIST OF DRAWINGS

DWG NO.	DWG TITLE	DATE
	COVER SHEET	04/04/2025
C000	NOTES & DETAILS	04/04/2025
C001	EXISTING CONDITIONS AND REMOVALS PLAN	04/04/2025
C100	SITE SERVICING PLAN	04/04/2025
C200-1	SITE GRADING PLAN - INTERIM	04/04/2025
C200-2	SITE GRADING PLAN - ULTIMATE	04/04/2025
C300	EROSION AND SEDIMENT CONTROL PLAN	04/04/2025
C500	POST-DEVELOPMENT SITE CATCHMENTS	04/04/2025

PROJECT No.OTT-24005530-AO
APRIL 2025

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 (PSPD) AND SPECIFICATIONS (OPS), WHERE APPLICABLE.
2. THE LOCATION OF UTILITIES IS APPROXIMATE ONLY, AND THE EXACT LOCATION MUST BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITY AND UTILITY COMPANIES CONCERNED. THE CONTRACTOR IS RESPONSIBLE TO OBTAIN THE LOCATION OF ALL UTILITIES AND SHALL BE RESPONSIBLE FOR ADEQUATE PROTECTION OF ALL UTILITIES OR UTILITIES DISTURBED DURING CONSTRUCTION. TO THE SATISFACTION OF THE AUTHORITY HAVING ANY SERVICES OR UTILITIES LOCATED UNDER CONSTRUCTION, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION OF UTILITIES.
3. THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF EXISTING SERVICES PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL CONFORM LOCATIONS AND ELEVATIONS OF EXISTING SERVICES AND UTILITIES TO THE CITY OF OTTAWA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATE PROTECTION OF CONSTRUCTION OF ANY NEW SEWER, WATER AND/OR STORM WATER MAINS. ALL DIMENSIONS SHALL BE CHECKED AND VERIFIED PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES, ANY DISCREPANCIES, INTERPRETATIONS, CHANGES AND ADDITIONS TO THESE DRAWINGS MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY UPON DISCOVERY. ANY DISCREPANCIES NOT REPORTED DO NOT CONSTITUTE CONSTRUCTION IN AREAS WHERE DISCREPANCIES APPEAR. SUCH DISCREPANCIES HAVE BEEN RESOLVED.
4. ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE SPECIFIED. ALL DIMENSIONS SHALL BE VERIFIED 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 CONTRACTOR AS REFERRED TO IN THE ACT.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR AN 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 SHALL BE NOTIFIED IMMEDIATELY UPON COMPLETION OF WORKING.
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 CONTRACTORS EXPENSE.
9. THE CONTRACTOR SHALL COMPLY WITH THE CITY OF OTTAWA REQUIREMENTS FOR TRAFFIC CONTROL, WHEN WORKING ON CITY STREETS. ALL UTILITIES SHOWN MUST CONFORM TO THE M.T.O. BOOK "I" AND C-2A MANUAL OF STANDARD PRACTICES 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. AS-BUILT SITE DRAWINGS & GRADING DRAWINGS SHALL BE MAINTAINED ON SITE BY THE CONTRACTOR.
14. THE CONTRACTOR WILL BE RESPONSIBLE FOR ADDITIONAL BENDING OR ADDITIONAL STRENGTH PER M.T. THE MAXIMUM ALLOWABLE DEFLECTION SHALL BE AS SPECIFIED BY THE CITY OF OTTAWA.
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 NEAR FINISH GRADE.
17. ALL BORHOLES SHOWN ON THE DRAWINGS ARE FOR INFORMATION ONLY. FOR GEOTECHNICAL INFORMATION REFER TO GEOTECHNICAL INVESTIGATION REPORT PREPARED BY ENV. SERVICES INC. DATED JAN. 2020.
18. THE CONTRACTOR SHALL APPRAISE HIMSELF AS TO ALL SURFACE AND SUBSURFACE CONDITIONS TO BE ENCOUNTERED AND SHALL CALL OUT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY UPON DISCOVERY. PRIOR ASSESSMENT OF GROUND CONDITIONS. THE CONTRACTOR SHALL NOT HAVE ANY CLAIM FOR ANY EXTRA COST DUE TO DISCREPANCIES OR CONDITIONS ENCOUNTERED DURING CONSTRUCTION BY THE CONTRACTOR.
19. DO NOT CONSTRUCT USING DRAWINGS THAT ARE NOT MARKED "ISSUED FOR CONSTRUCTION".
20. FOR TOPOGRAPHIC INFORMATION REFER TO PLAN PREPARED BY STATAC GEOMATICS LIMITED DATED MARCH 10, 2020.
21. CIVIL DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, LANDSCAPE AND PLANT 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.

1. ALL SANITARY SEWER MAINS AND INSTALLATION SHALL CONFORM TO THE LATEST REVISIONS OF THE STANDARDS AND SPECIFICATIONS OF THE CITY OF OTTAWA, ONTARIO PROVINCIAL STANDARDS DEPARTMENTS (OPSD) AND SPECIFICATIONS OF THE CANADIAN STANDARDS ASSOCIATION (CSA).
2. ALL SANITARY SEWERS SHALL BE PVC 305 "8" JEP "RING-TITE" (OR EQUIVALENT), AS PER CSA STANDARD B182.0 FOR LATEST AMENDMENT, UNLESS OTHERWISE NOTED.
3. SANITARY SEWER TRENCHES AND BEDDING SHALL BE, AS PER CITY OF OTTAWA STD. 36.60 27. CLASS B BEDDING UNLESS OTHERWISE NOTED.
4. ALL SANITARY LATERALS ARE TO BE PVC 80 2" JEP "RING-TITE" (OR EQUIVALENT), ANY COLOR EXCEPT WHITE AND BLACK, WITH A MINIMUM 100MM WIDE SHOULDER. EXTENDING FROM THE INVERT TO 1.0M ABOVE GRADE PLANTED AREAS, STRUCTURES SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA SPECIFICATIONS AND OPSD 1003.01.
5. SEWER BEDDING SHALL BE PER CITY STANDARD 36.60 27. GRADUALLY W/ BEDDING TO BE INCREASED TO 300MM WHERE SEWERS ARE BELOW THE GROUNDWATER TABLE.
6. SANITARY SEWER MANHOLES SHALL BE SCHEDULED AS PER STD 021. SANITARY MANHOLE FRAME AND COVERS SHALL BE 1500MM X 1500MM X 100MM WIDE CAST IRON SAFETY PLATFORMS SHALL BE AS PER STD 021.02. COVER STRUCTURES SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA SPECIFICATIONS AND OPSD 1003.01.
7. THE CONTRACTOR SHALL CONDUCT INSPECTION/EXTRICATION (ON PER CURRENT OPSD) 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 QPCT INSPECTION OF ALL NEWLY INSTALLED SANITARY SEWERS AND EXISTING SEWERS TO BE REPAIRED OR REPLACED. THE TEST SHALL BE PERFORMED IMMEDIATELY AFTER SEWER INSTALLATION.
9. ALL SERVICE CONNECTIONS TO BE CONSTRUCTED AS PER CITY STANDARD 36.60 27.1 \$11.1.
10. THE CONTRACTOR SHALL CONSTRUCT FLEXIBLE SANITARY SEWERS IN ACCORDANCE WITH OPSD 802.01 AND 802.03 DURING CONSTRUCTION. THE CONTRACTOR SHALL PROTECT THE PIPE FROM HEAVY CONSTRUCTION EQUIPMENT. BEDDING SHALL BE PROTECTED AND COMPACTED TO A MINIMUM OF 95% RFD.
11. ALL SANITARY BUILDING DRAIN TO BE EQUIPPED WITH SANITARY BACKFLOW VALVES INSTALLED PER CITY OF OTTAWA STANDARD 36.60 27.1.
12. WITHIN THE FRONT ZONE, THE BACKFILL IN THE SERVICE TRENCHES SHOULD MATCH THE SOIL ON SITES TO MINIMIZE DIFFERENTIAL FROST HEAVING IN THE SURGRADE.
13. MINIMUM SOIL COVER TO BE 1.0 TO PROTECT SEWERS FROM FREEZING. IN AREAS WHERE ADEQUATE FROST PROTECTION CANNOT BE MAINTAINED, INSULATION TO BE INSTALLED AS PER OPSD 814.03.

1. ALL STORM SEWER MATERIALS AND INSTALLATION SHALL CONFORM TO THE LATEST REVISIONS OF THE STANDARDS AND SPECIFICATIONS OF THE CITY OF OTTAWA, ONTARIO PROVINCE, STANDARD DRAWINGS (SPDS) AND SPECIFICATION (SPS).
2. ALL REINFORCED CONCRETE STORM SEWER PIPE SHALL BE IN ACCORDANCE WITH CSA #27 (LATEST AMENDMENT), ALL NONREINFORCED CONCRETE STORM SEWER PIPE SHALL BE IN ACCORDANCE WITH CSA #251, LATEST AMENDMENT, ALL POLYETHYLENE (PE) STORM SEWER PIPE SHALL BE IN ACCORDANCE WITH CSA #262, LATEST AMENDMENT.
3. ALL PVC STORM SEWERS ARE TO BE SDR 35 APPROVED PER C.S.A. #182.2 OR LATEST AMENDMENT, UNLESS OTHERWISE SPECIFIED.
4. THE CONTRACTOR SHALL CONSTRUCT FLEXIBLE STORM SEWERS IN ACCORDANCE WITH ODOT 802.010 AND 802.011. RIGID STORM SEWER SHALL BE CONSTRUCTED IN ACCORDANCE WITH ODOT 803.00. DURING CONSTRUCTION THE CONTRACTOR SHALL PROTECT THE PRESS FROM HEAVY CONSTRUCTION EQUIPMENT. REINFORCED BAKKAL SHALL BE COMPACTED TO A MINIMUM OF 95% SDP.
5. SEWER BEDDING SHALL BE TO CITY STANDARD 58 & 57.
6. ALL STORM LATERALS SHALL BE PVC SDR 26 WHITE IN CONCRETE AND MARKED WITH A 45mm X 100mm wooden BEADING OR STAMPING FROM THE TIE TO THE MAIN SEWER LINE TO THE PAVED DRIVE.
7. ALL SERVICE CONNECTIONS TO BE CONSTRUCTED AS PER CITY STANDARD 511.
8. WITHIN THE FIRST ZONE, THE BACKFILL IN THE SERVICE TRENCHES SHOULD MATCH THE SOIL ON SLOES TO MINIMIZE DIFFERENTIAL FROST HEAVING IN THE BACKFILL.

9. MINIMUM SOIL COVER TO BE 1m TO PROTECT SEWERS FROM FROST DAMAGE. IN AREAS WHERE ADEQUATE FROST COVER CANNOT BE ACHIEVED, EQUIVALENT THERMAL INSULATION TO BE INSTALLED AS PER ODOT #14.010

10. ALL STORM SEWERS TO BE EQUIPPED WITH APPROVED BACKFLOW VALVES.

11. STORM MANHOLE FRAME AND COVERS SHALL BE AS PER CITY OF OTTAWA STD. 524, 524.1 AND 525.
12. SAFETY PLATFORMS SHALL BE IN ACCORDANCE WITH ODOT 440.2.
13. DROP STRUCTURES SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA SPECIFICATIONS AND ODOT 1003.01.
14. STORM SEWER MANHOLES SERVING LOCAL SEWERS LESS THAN 400mm shall BE CONSTRUCTED WITH A 300mm Slop Slope AND 300mm COVER AND OVERFLOW LINE SHALL BE IN ACCORDANCE WITH ODOT #10.01.
15. SINGLE AND DOUBLE CATCHBAIN LIDS SHALL BE IN ACCORDANCE WITH ODOT #10.01. FOR ODOT #10.02, RESPECTIVELY, FRAME AND GRATE SHALL BE AS PER CITY OF OTTAWA STD. 519 FOR RAINFALL CATCHBAINS AND STREET CATCHBAINS.
16. CURB INLET TYPE CATCH BASIN (CIB) SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. 513, AND GRATE SHALL BE AS PER CITY OF OTTAWA STD. 522 AND 534, UNLESS OTHERWISE NOTED.
17. SINGLE AND DOUBLE CATCHBAIN LIDS SHALL BE 200mmD and 250mmD (MIN) RESPECTIVELY, 1.0% SLOPE (MIN) UNLESS OTHERWISE NOTED.
18. ALL CATCHBAINS AND CATCHBAIN MANHOLES SHALL BE INSTALLED WITH 30cm Depth, UNLESS OTHERWISE NOTED.
19. CONTRACTOR SHALL ENSURE THAT CATCHBAINS HAVE BUMPS AT THE LOW POINT OF SAC CURB CURVES.
20. THE STORM SEWER CLASSES HAVE BEEN DESIGNATED BASED ON BONDING CONDITIONS SPECIFIED. WHERE THE BONDING CONDITIONS ARE NOT SPECIFIED, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ADDITIONAL BONDING OF A DIFFERENT TYPE OF BEDDING OR A HIGHER PIPE STRENGTH BASED ON HIS OWN EXPENSE AND SHALL ALSO BE RESPONSIBLE AS THE CONTRACTOR FOR THE COMPLETION OF THE BONDING WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE BONDING WORK.
21. THE CONTRACTOR SHALL CONDUCT CITY INSPECTION OF ALL NEWLY INSTALLED STORM SEWERS AND EXISTING SEWERS CONNECTED TO THE TEST SHALL BE PERFORMED IMMEDIATELY AFTER SEWERS INSTALLED.

4. ALL WATERMAIN MATERIALS AND INSTALLATION SHALL CONFORM TO THE LATEST REVISIONS OF THE STANDARDS AND SPECIFICATIONS OF THE CITY OF OTTAWA, ONTARIO PROVINCE, STANDARD DRAWINGS (OSDs) AND SPECIFICATIONS (SPS).
5. NO WORK SHALL COMMENCE UNLESS A CITY WATER WORKS INSPECTOR IS ON SITE. WATERMAIN CONNECTIONS BY CITY OF OTTAWA FORCE SHALL FOLLOW ALL EXCAVATION BACKFILL AND ROAD REINSTATEMENT BY CONTRACTOR.
6. ALL PVC WATERMAIN MATERIALS BE EQUAL TO AWWA-C-900, 18" OR 18" OR APPROVED EQUAL.
7. WATERMANS TRENCH AND BEDDING SHALL BE IN ACCORDANCE WITH THE CITY OF OTTAWA STANDARD W21. UNLESS OTHERWISE SPECIFIED, ALL WATERMAIN MATERIAL SHALL BE SPECIFIED BY PROJECT GEOLOGICAL ENGINEER.
8. ALL PVC WATERMANS SHALL BE INSTALLED TO 10 GAUGE STANDARD PIPE OR IRON/ TRU TRANCE WIRE IN ACCORDANCE WITH CITY OF OTTAWA STD. W21.
9. WATER SERVICES ARE TO BE A TYPE "K" SOCKET COVER PER CITY OF OTTAWA STD. W20. UNLESS OTHERWISE SPECIFIED, THE COVER SHALL BE 1500MM DIA. THE COVER SHALL BE 1500MM DIA. THE COVER SHALL BE 1500MM DIA. THE COVER SHALL BE MARKED WITH A "X" TO XMM, EXTENDING FROM THE INVERT TO 1m above ground GRADE. THE STANDARD POSTERIOR CPTS SHALL BE INSTALLED AT THE PROPERTY LINE.
10. CATHODIC PROTECTION IS REQUIRED ON ALL METALLIC FITTINGS AS PER CITY OF OTTAWA STD. W20 AND W22.
11. VALVE BOXES SHALL BE INSTALLED AS PER CITY OF OTTAWA DET. W24.
12. ALL FIRE HYDRANTS TO BE INSTALLED AS PER CITY STANDARD W20 AND LOCATED AS PER CITY STANDARD W20 AND/OR CITY STANDARD W20 AND/OR CITY STANDARD W20.
13. ALL BLOCKS TO BE INSTALLED AT MINIMUM COVER OF 2.4m.
14. THRUST BLOCKS AND RESTRAINT AS PER CITY OF OTTAWA DGNs: W23.1 AND W24.1, W25.1 AND W26.1.
15. IF WATERMAIN SHALL BE DEFLECTED TO MEET ALLOWANCE, ENSURE THE AMOUNT OF DEFLECTION IS LESS THAN HALF THAT RECOMMENDED BY THE MANUFACTURER.
16. DISINFECTION AND TESTING OF WATERMAIN TO BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS.
17. WATER METERS TO BE INSTALLED AS PER W20 FOR WATER SERVICES.

7. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY CUES, PLUGS AND BLOW-OFFS AND NOZZLES REQUIRED FOR THE TRENCHING AND DEPTH OF THE TRENCH.
 8. REGULATOR WATER SERVICES SHALL DISCOVER ABOVE AND BELOW SEWER MAINS TO BE IN ACCORDANCE WITH CITY OF OTTAWA STD. W25.2 AND W26, RESPECTIVELY. WHERE WATERMAIN COVER IS LESS THAN 2.4m.
 9. WHERE THE SEPARATION BETWEEN SERVICES AND MANHOLES IS LESS THAN 1.5m, WATER SERVICES ARE TO BE IN ACCORDANCE WITH CITY OF OTTAWA STD. W23.
 10. REGULATOR WATER SERVICES SHALL DISCOVER AND RECORD THE SEPARATION BETWEEN WATERMAIN AND SEWER MAINS TO BE IN ACCORDANCE WITH THE SEWER AS PER CITY OF OTTAWA STD. W23.1.
 11. THE SEWER MAINS SHALL BE DISCOVERED TO THE POINT OF CROSSING UNDER WATERMAIN AND SEWER MAINS TO BE IN ACCORDANCE WITH THE SEWER AS PER CITY OF OTTAWA STD. W23.1 FOR CROSSING UNDER SEWER. THE MINIMUM VERTICAL CLEARANCE BETWEEN THE SEWER MAINS SHALL BE 1.5m.
 12. THE SEWER IS REQUIRED TO PROVIDE EXCESSIVE DEFLECTION OF JOINTS AND SETTLEMENT. THE LENGTH OF WATERMAIN TO BE DISCOVERED AT THE POINT OF CROSSING TO THAT THE JOINTS WILL BE SUFFICIENT AND AS FAR AS POSSIBLE FROM THE SEWER.
- ## ROADWAY SPECIFICATIONS
1. ALL TOPSOIL AND ORGANIC MATERIAL SHALL BE STRIPPED WITH THE ROAD ALLOWANCE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
 2. CONCRETE CURBS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. SC1.1 (18MMBIR CURB) AND SC2.1 (18MMBIR CURB). CONCRETE SHALL BE IN ACCORDANCE WITH THE CITY OF OTTAWA STD. SC2.1 (18MMBIR CURB) AND SC2.1 (18MMBIR CURB).
 3. ROAD SUBGRADENS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. R1. SUBGRADENS SHALL BE 6m IN LENGTH AT CATCHBASINS. SUBGRADENS SHALL BE INSTALLED BOTH SIDES AT CORPORENTS AND ON THE HIGH SIDE AT FLOOD WALLS.
 4. PAVEMENT REINSTATEMENT FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. R10 AND RPSD 509.010, RPSD 510.
 5. GRANULAR A SHALL BE PLACED TO A MINIMUM THICKNESS OF 300mm ABOVE ALL STRUCTURES WITHIN PAVEMENT AREAS.
 6. GRANULAR A FOR ROADS SHALL BE COMPACTED TO A MINIMUM OF 98% STANDARD PROCTURE WITHIN PAVEMENT AREAS.
 7. ASPHALT WEAR COURSE SHALL NOT BE PLACED UNTIL THE WATER INSPECTION OF SERVICES IS NECESSARY REPAIRS HAVE BEEN CARRIED OUT TO THE SATISFACTION OF THE ENGINEER.
 8. SUB- EXCAVATE SOFT AREAS AND FILL WITH GRANULAR GY COMPACTED IN MAXIMUM 300MM LAYERS.
 9. PAVEMENT STRUCTURE: AS PER GEOTECH CONSULTANT REPORT. PREPARED BY EXP EXPERTS INC DATED JANUARY 2024.

1. ALL TOPSOIL AND ORGANIC MATERIAL SHALL BE STRIPPED WITHIN THE ROAD ALLOWANCE PRIOR TO THE COMPLETION OF CONSTRUCTION.
2. CONCRETE CURBS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. 11.1 (BARRIER CURBS) AND SC13 (MOUNTABLE CURBS). AS NOTED, PROVISION SHALL BE MADE FOR CURB DEPRESSION AT SIDEWALKS AND DRIVEWAYS.
3. ROAD SIDWALKS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. K1. SUBGRADE SHALL BE 6m IN LENGTH AT EACH SIDEWALK. SUBGRADE SHALL BE INSTALLED BOTH SIDES OF THE CONCRETE AND ON THE HIGH SIDE AT PAVEMENT CATCHBASINS.
4. PAVEMENT REINFORCEMENT FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. K10 AND STD. 560/575. CROSS 11.1.
5. GRANULAR "A" SHALL BE PLACED TO A MINIMUM THICKNESS OF 300mm AROUND ALL STRUCTURES WITHIN PAVEMENT AREA.
6. ALL GRANULAR FOR PAVEMENT SHALL COMPLY TO A MINIMUM OF 98% STANDARD PROCTOR DENSITY.
7. ASPHALT WEAR COURSE SHALL NOT BE PLACED UNTIL THE VIDEO INSPECTION OF SEVERE & NECESSARY REPAIRS HAVE BEEN CARRIED OUT TO THE SATISFACTION OF THE ENGINEER.
8. SUB-EXCAVATE SOFT AREAS AND FILL WITH GRANULAR "C" COMPACTED IN MAXIMUM 150mm LIFTS.
9. SEE 4. ALSO SHOW.

Recommended Pavement Structure Thicknesses			
Pavement Layer	Compaction Requirements	Computed Pavement Structure	
		Light Duty Traffic (Cars Only)	Heavy Duty Traffic (Bus, Area, Garbage Trucks, Emergency Vehicles)
Asphaltic Concrete	92-97 percent MBD	65 mm SL/35/12.5 mm/ Cnt. B (PG 58-34)	50 mm HLF/312.5 Cnt. B 60 mm HLF/319.1 Cnt. B (PG 58-34)
CPSS 10/20 Granular A Base (crushed limestone)	100% percent SPMD		150 mm
CPSS 10/20 Granular B Type II Sub-base	100% percent SPMD	450 mm	600 mm

Notes:

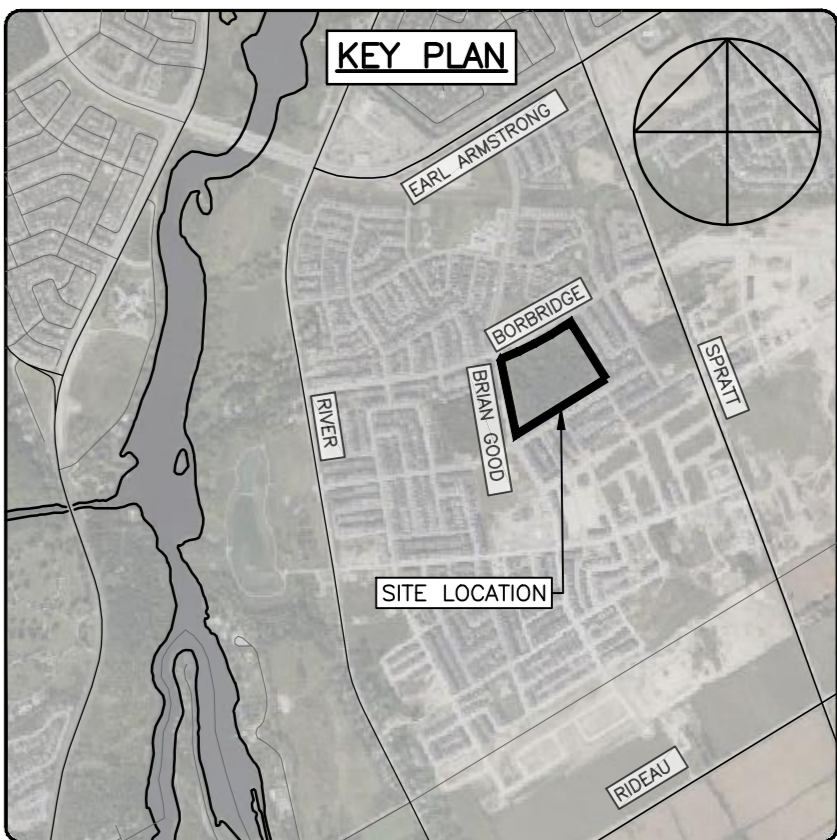
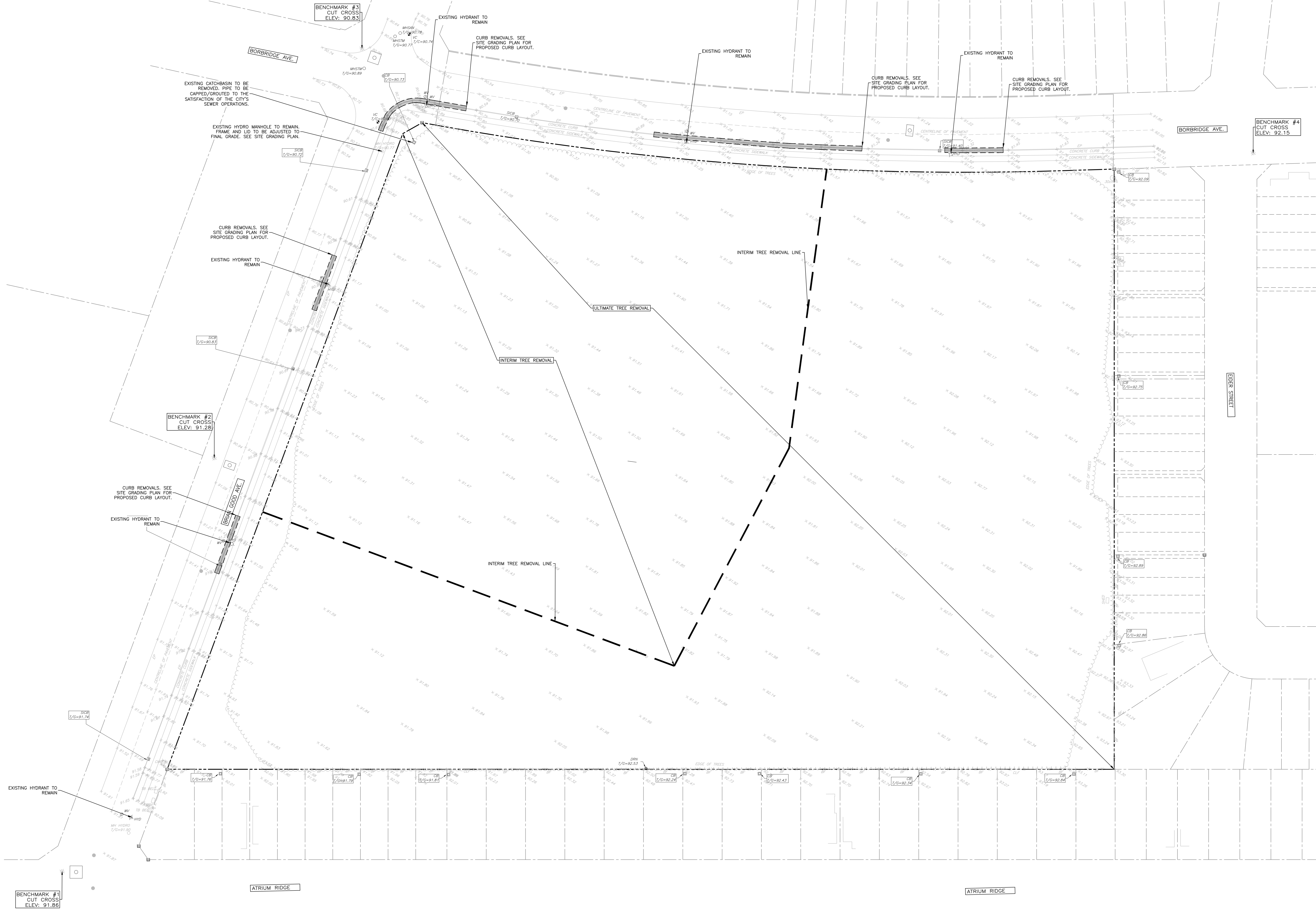
- SPMD denotes standard Proctor maximum dry density, AASHTO T-99, 6-800-1-1962.
- MBD denotes Maximum Moisture Based Density, ASTM D2922.
- HLF denotes Hot Liquid Filling, AASHTO T-292.
- The proposed subgrade should be covered with a minimum geotextile prior to placement of granular sub-base of the pavement structure.

1. IT SHALL BE THE BUILDER'S RESPONSIBILITY TO ENSURE THAT GRADING AROUND HYDRANTS, TRANSFORMERS, AND UTILITY FEEDLINES, ETC. MEET CURRENT CITY OF OTTAWA, WROD AND UTILITY COMPANY REQUIREMENTS.
2. ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED DRAINS OR CATCH BASIN OUTLETS ARE PROVIDED.
3. CONTRACTOR TO MAINTAIN EXISTING CATCH BASINS, MANHOLES, FIRE HYDRANTS, VALVE CHAMBERS AND VALVE BOXES TO FINISH GRADES 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.

1. IT SHALL BE THE BUILDER'S RESPONSIBILITY TO ENSURE THAT GRADING AROUND HYDRANTS, TRANSFORMERS, AND UTILITY FEEDLINES, ETC. MEET CURRENT CITY OF OTTAWA, WROD AND UTILITY COMPANY REQUIREMENTS.
2. ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED DRAINS OR CATCH BASIN OUTLETS ARE PROVIDED.
3. CONTRACTOR TO MAINTAIN EXISTING CATCH BASINS, MANHOLES, FIRE HYDRANTS, VALVE CHAMBERS AND VALVE BOXES TO FINISH GRADES 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.

NOTES:

1. 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 UNTIL SUCH TIME AS THE SERVICE PROVIDER HAS CONFIRMED IN WRITING THE SERVICE IS ABANDONED AND CAN BE REMOVED. 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.
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. 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

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

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northpoint

professional stamp

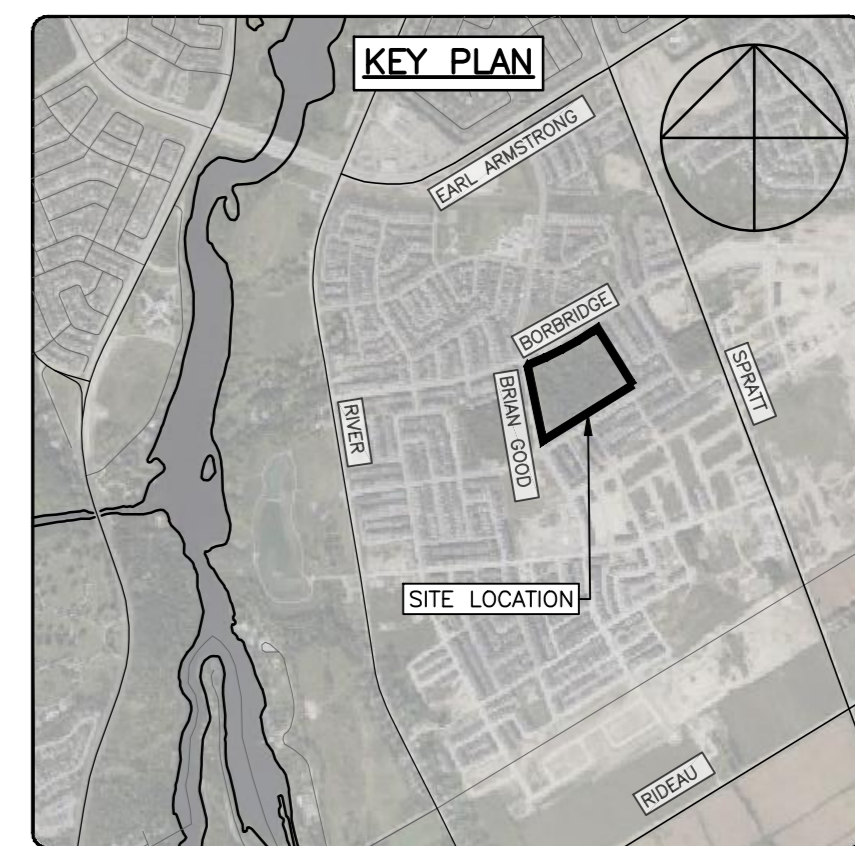
project title
**New High School -
Riverside South**

Manitowick Ontario

drawing title
**EXISTING CONDITIONS &
REMOVALS PLAN**

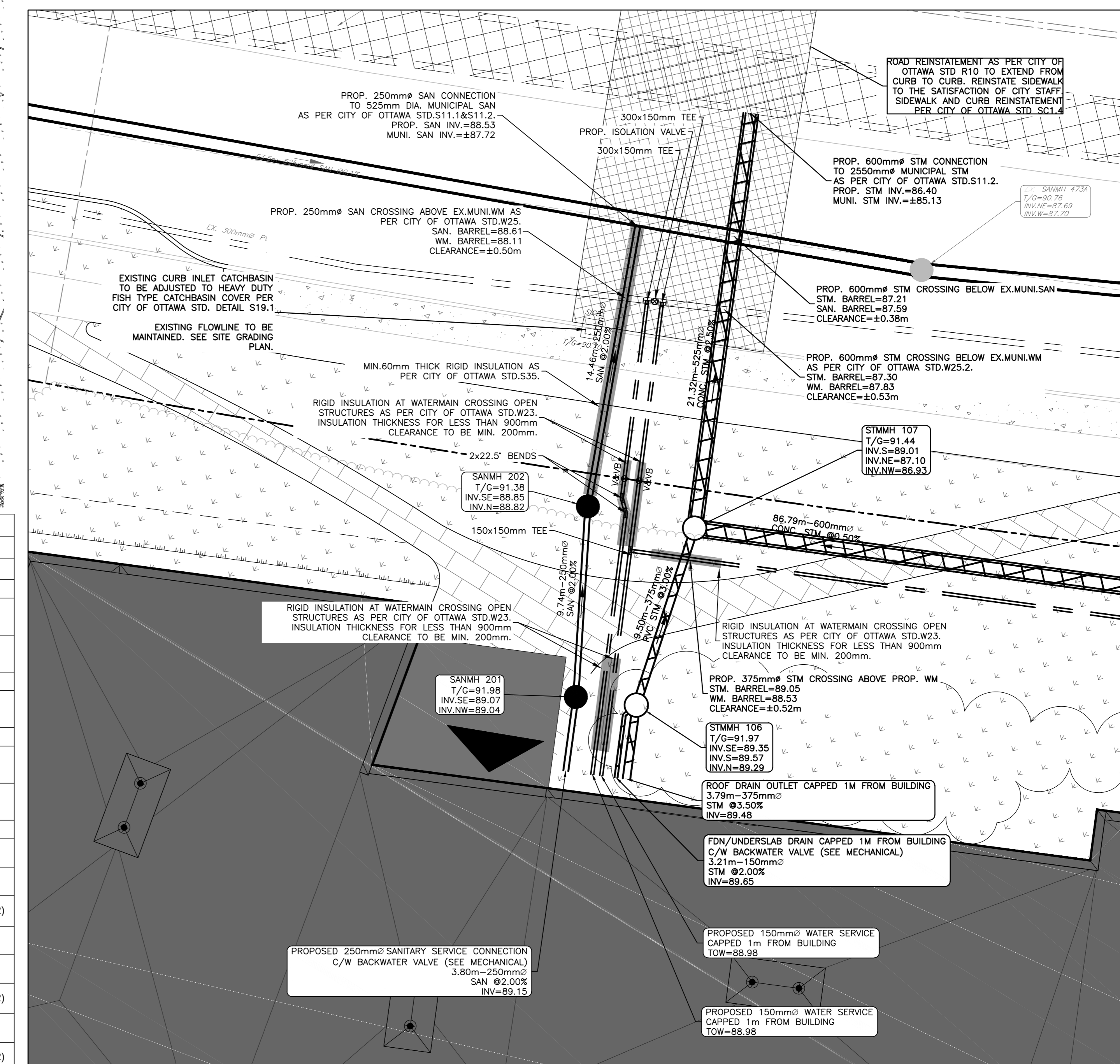
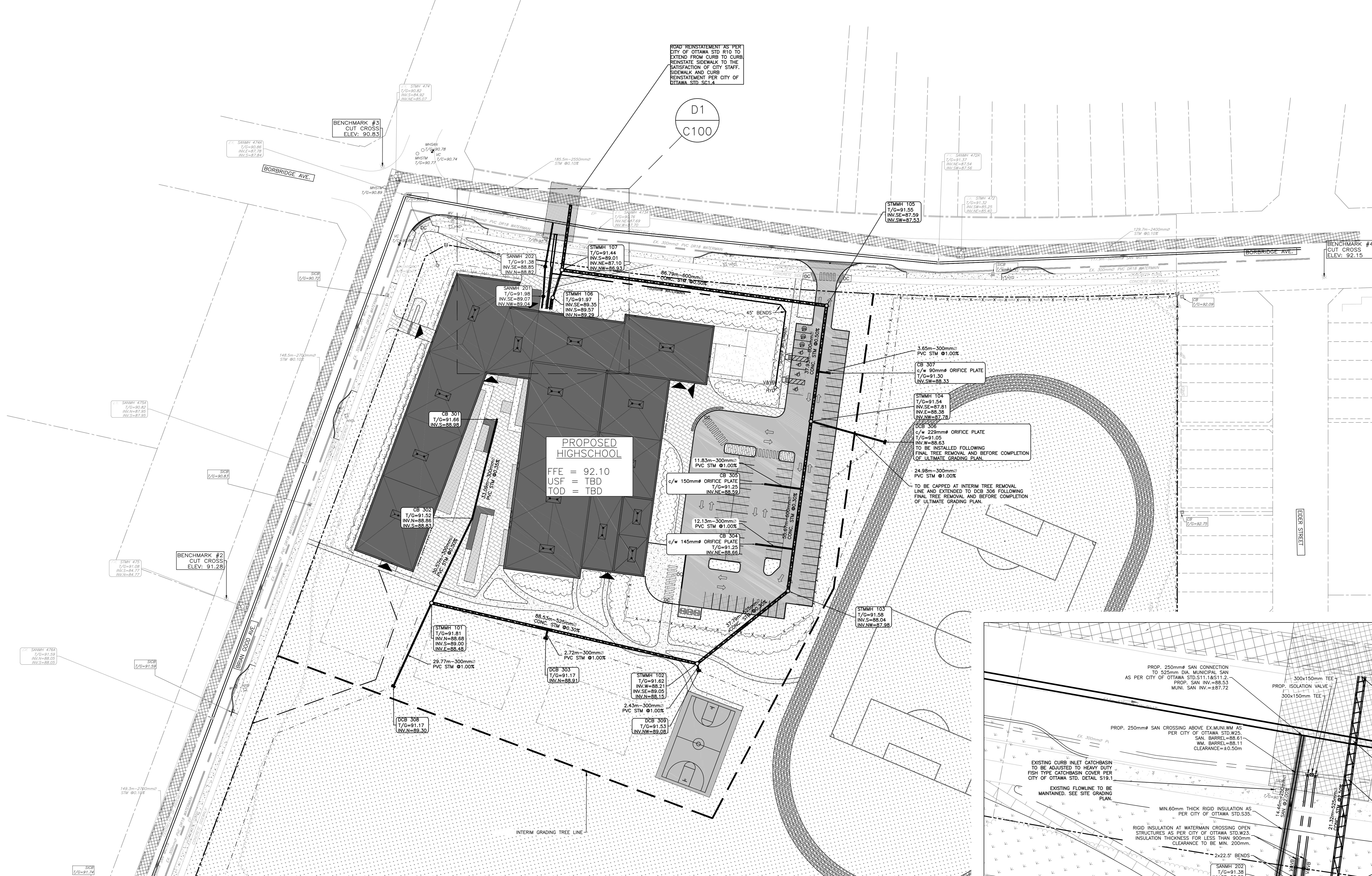
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drawn	AGJ		
approved	AKJ		
plot date	4/4/2025 12:51:32 PM		

DO NOT SCALE FROM THIS DRAWING
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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. 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
+	PROP. STORM PIPE
+	PROP. SANITARY SERVICE
+	PROP. WATER SERVICE
+	PROP. STORM MANHOLE
+	PROP. DOUBLE CATCH-BASIN
+	PROP. CATCH-BASIN
+	PROP. SANITARY MANHOLE
+	PROP. WATER SERVICE CONNECTION TO MUNI. WATERMAIN
+	PROP. VALVE & VALVE BOX
+	PROP. ELBOW (22.5°)
+	PROP. MUNI. WATERMAIN
+	PROP. INSULATION VALVE
+	PROPOSED ROOF DRAIN
+	INSULATION INSULATION PER CITY OF OTTAWA STD.535
---	INTERIM GRADING TREE LINE
---	PROP. TOP OF SLOPE
---	PROP. SWALE
---	PROP. TERRACING (MAX 3:1)
---	PROP. BOTTOM OF TERRACING



PROPOSED SEWER TABLE

STRUCTURE	D/S	TYPE	INVERT ELEV (m)	NOMINAL DIA. (mm)	LENGT H (m)	Type	Class	Slope (%)
BLDG	STMH 106	STM	89.48	89.35	375	3.79	PVC	SDR 28
BLDG	ELBOW	STM	89.65	89.59	150	3.21	PVC	SDR 28
ELBOW	STMH 106	STM	89.59	89.57	150	0.79	PVC	SDR 28
STMH 106	STMH 107	STM	89.29	89.01	375	9.50	PVC	SDR 28
STMH 107	MUNI. STORM	STM	86.93	86.40	525	21.32	CONC.	65-D
STMH 105	STMH 107	STM	87.53	87.10	600	86.79	CONC.	65-D
STMH 104	STMH 105	STM	87.78	87.39	600	37.93	CONC.	65-D
STMH 103	STMH 104	STM	87.98	87.81	600	55.67	CONC.	65-D
STMH 102	STMH 103	STM	88.15	88.04	525	37.79	CONC.	65-D
STMH 101	STMH 102	STM	88.48	88.24	525	88.53	CONC.	65-D
CB 301	CB 302	STM	88.98	88.86	300	33.09	PVC	SDR 35
CB 302	STMH 101	STM	88.63	88.68	300	30.57	PVC	SDR 35
DCB 303	STM	STM	88.91	88.88	300	2.72	PVC	SDR 35
CB 304	STM	STM	88.66	88.53	300	12.13	PVC	SDR 35
CB 305	STM	STM	88.59	88.48	300	11.83	PVC	SDR 35
DCB 306	STMH 104	STM	88.63	88.38	300	24.98	PVC	SDR 35
CB 307	STM	STM	88.33	88.30	300	3.65	PVC	SDR 35
DCB 308	STMH 101	STM	89.30	89.00	300	29.77	PVC	SDR 35
DCB 309	STMH 102	STM	89.08	89.05	300	2.43	PVC	SDR 35
BLDG	SANMH 201	SAN	89.15	89.07	250	3.80	PVC	SDR 28
SANMH 201	SANMH 202	SAN	89.04	88.85	250	9.74	PVC	SDR 35
SANMH 202	MUNI. SAN	SAN	88.82	88.53	250	14.46	PVC	SDR 35

STRUCTURE TABLE

STRUCTURE NUMBER	TYPE	LID ELEV (m)	INVERT IN (m) and DIA (mm)	INVERT OUT (m) and DIA (mm)	SIZE	REFERENCE	FRAME	COVER
STMH 101	STM	91.81	88.68 (300)	88.48 (525)	1200mmØ	OPSD 701.010	S25	S24.1
STMH 102	STM	91.82	88.21 (525)	88.15 (525)	1500mmØ	OPSD 701.011	S25	S24.1
STMH 103	STM	91.58	88.04 (525)	87.98 (600)	1500mmØ	OPSD 701.011	S25	S24.1
STMH 104	STM	91.54	87.81 (600)	87.78 (600)	1500mmØ	OPSD 701.011	S25	S24.1
STMH 105	STM	91.55	87.59 (600)	87.53 (600)	1500mmØ	OPSD 701.011	S25	S24.1
STMH 106	STM	91.97	89.35 (375)	89.29 (375)	1200mmØ	OPSD 701.010	S25	S24.1
STMH 107	STM	91.44	89.01 (375)	88.93 (525)	1500mmØ	OPSD 701.011	S25	S24.1
CB 301	STM	91.66	88.98 (300)	88.98 (300)	600mm	OPSD 705.010	OPSD 400.020	S19.1
CB 302	STM	91.52	88.86 (300)	88.83 (300)	600mm	OPSD 705.010	OPSD 400.020	S19.1
DCB 303	STM	91.17	88.91 (300)	88.91 (300)	600X1450m	OPSD 705.020	OPSD 400.020 (x2)	S19.1 (x2)
CB 304	STM	91.25	88.66 (300)	88.66 (300)	600mm	OPSD 705.010	OPSD 400.020	S19.1
CB 305	STM	91.25	88.59 (300)	88.59 (300)	600mm	OPSD 705.010	OPSD 400.020	S19.1
DCB 306	STM	91.05	88.63 (300)	88.63 (300)	600X1450m	OPSD 705.020	OPSD 400.020 (x2)	S19.1 (x2)
CB 307	STM	91.30	88.33 (300)	88.33 (300)	600mm	OPSD 705.010	OPSD 400.020	S19.1
DCB 308	STM	91.17	89.30 (300)	89.30 (300)	600X1450m	OPSD 705.020	OPSD 400.020 (x2)	S19.1 (x2)
DCB 309	STM	91.53	89.08 (300)	89.08 (300)	600X1450m	OPSD 705.020	OPSD 400.020 (x2)	S19.1 (x2)
SANMH 201	SAN	91.96	89.07 (250)	89.04 (250)	1200mmØ	OPSD 701.010	S25	S24
SANMH 202	SAN	91.38	88.85 (250)	88.82 (250)	1200mmØ	OPSD 701.010	S25	S24

D1 C100 SITE SERVICING SCALE 1:150

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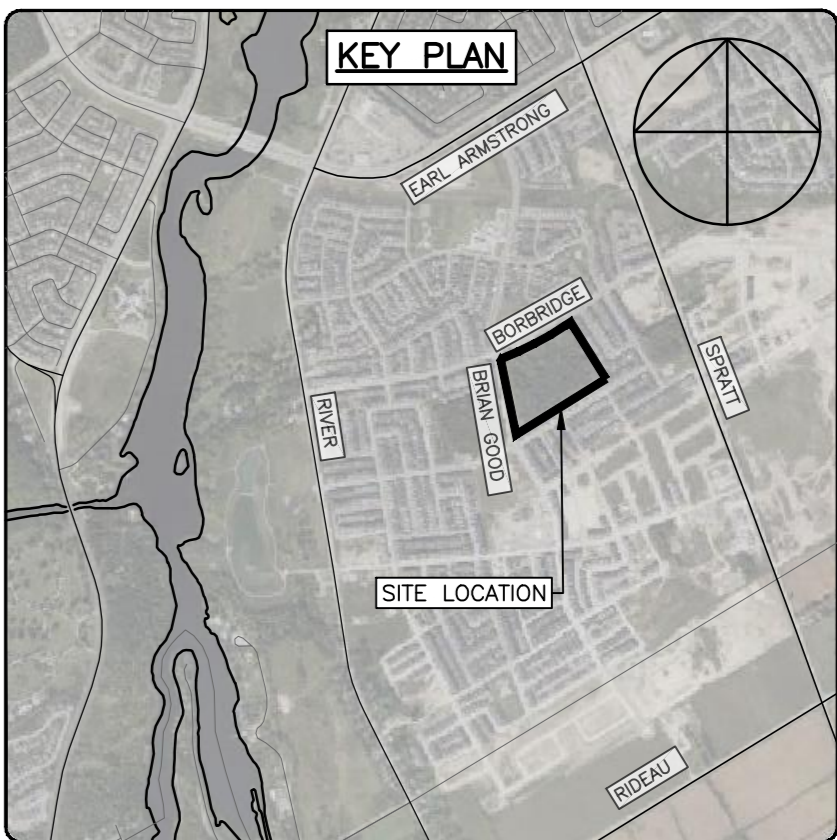
project title
**New High School -
Riverside South**

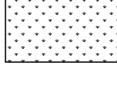

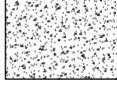
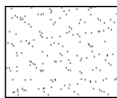
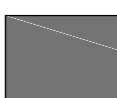

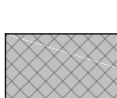


Manitoba Ontario

drawing title
SITE SERVICING PLAN

date	MARCH 14, 2025	job no.	
scale	1:500	OTT-24005530-A0	
drawn	AGJ	drawing no.	
approved	AKJ		
plot date	4/4/2025 12:51:50 PM		

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LEGEND	
----	PROPERTY LINE
----	ABUTTING PL
----	EX. C.L. ROAD
----	EX. FEATURE
----	EX. CURB
----	EX. ELEV.
⊕	SITE BENCHMARK
⊕ W	EX. WATER VALVE
⊕ VC	EX. VALVE CHAMBER
⊕ CB	EX. CATCHBASIN
⊕ SCB	EX. SIDEWALK(CURB INLET) CATCHBASIN
⊕ HYD	EX. HYDRANT
○	EX. STORM MANHOLE
●	EX. SANITARY MANHOLE
~~~~~	EX. TREE LINE
- X - X - X - X -	EX. FENCE
<b>0.1%</b>	
⋈ 92.39	PROP. GRADE (%)
⋈ 92.39TC	PROP. ELEVATION
⋈ 92.39BTC	PROP. ELEVATION (TOP OF CURB)
⋈ 92.39BSC	PROP. ELEVATION (BOTTOM OF CURB)
⋈ 92.39ME	PROP. ELEVATION (MATCH EX. ELEV.)
- X - X - X - X - X -	PROP. FENCE
----	PROP. TOP OF SLOPE
----	PROP. SWALE
----	PROP. TERRACING (MAX. 3:1)
----	PROP. BOTTOM OF TERRACING
----	PROP. CURB
DC	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 FULL GRADING TO MATCH EX. (MAX. 3:1)
	INTERIM TREE REMOVAL LINE FULL GRADING TO MATCH EX. (MAX. 3:1)

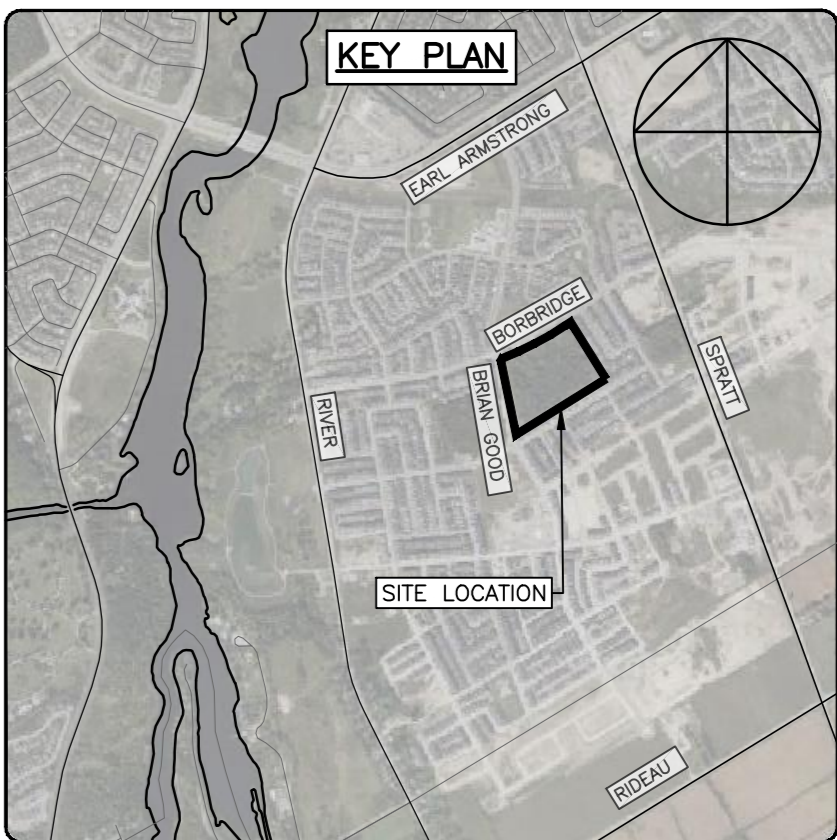
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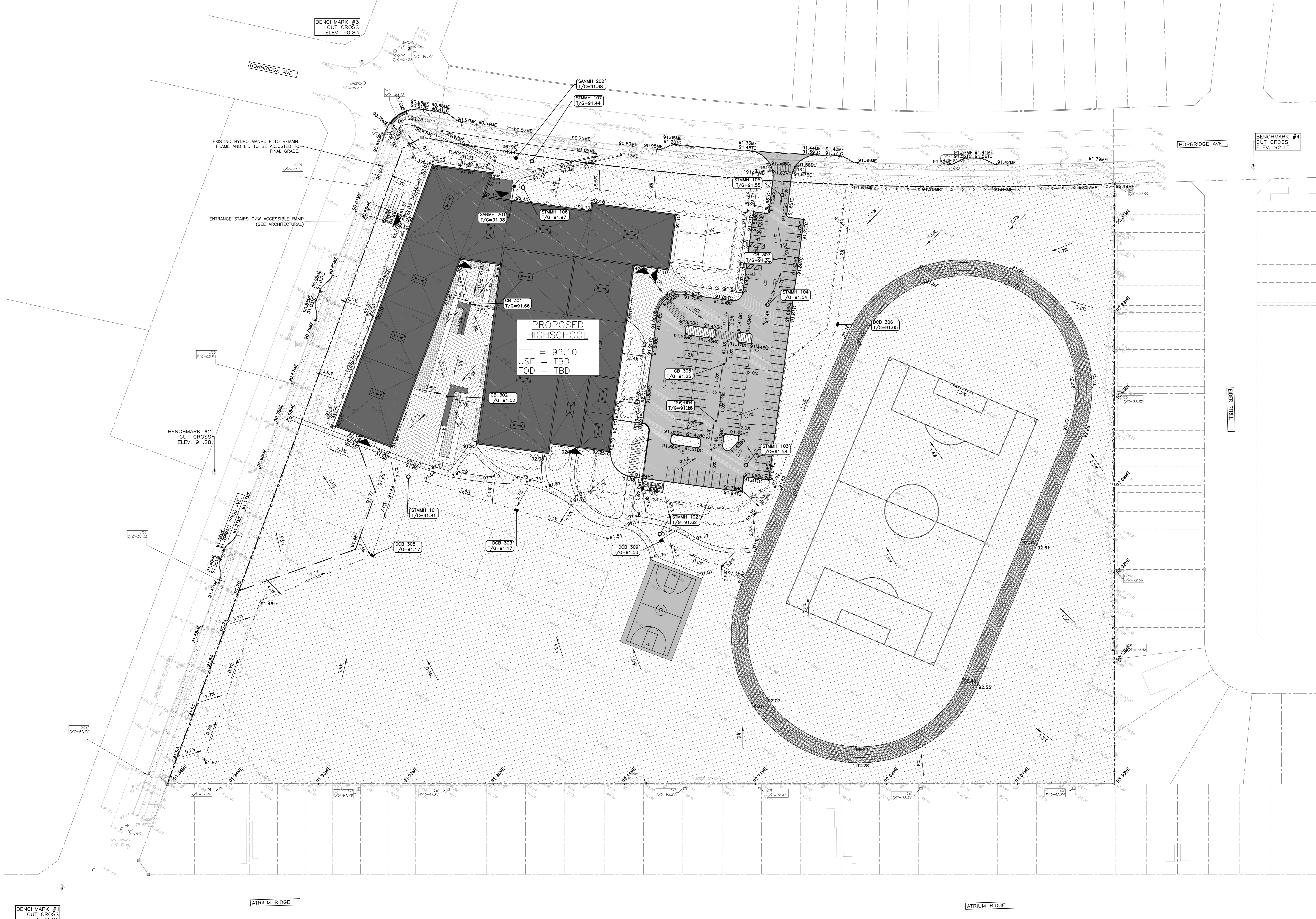
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scale	1 : 500		
drawn	AGJ		
approved	AKJ		
plot date	4/4/2025 12:52:12 PM		

### PLAN





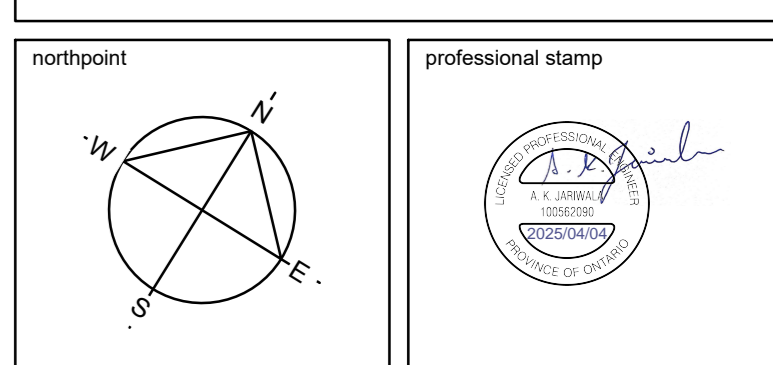
- LEGEND**
- PROPERTY LINE
  - ABUTTING PL
  - EX. C.L. ROAD
  - EX. FEATURE
  - EX. CURB
  - EX. ELEV
  - SITE BENCHMARK
  - EX. WATER VALVE
  - EX. VALVE CHAMBER
  - EX. CATCHBASIN
  - EX. SIDEWALK (CURB INLET) CATCHBASIN
  - EX. HYDRANT
  - EX. STORM MANHOLE
  - EX. SANITARY MANHOLE
  - EX. TREE LINE
  - EX. FENCE
  - 0.1%
  - 92.39
  - 92.39TC
  - 92.39BC
  - 92.39ME
  - PROP. GRADE (%)
  - PROP. ELEVATION
  - PROP. ELEVATION (TOP OF CURB)
  - PROP. ELEVATION (BOTTOM OF CURB)
  - PROP. ELEVATION (MATCH EX. ELEV.)
  - PROP. FENCE
  - PROP. TOP OF SLOPE
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  - PROP. TERRACING (MAX 3:1)
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  - PROP. CURB
  - PROP. DEPRESSIONED 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



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

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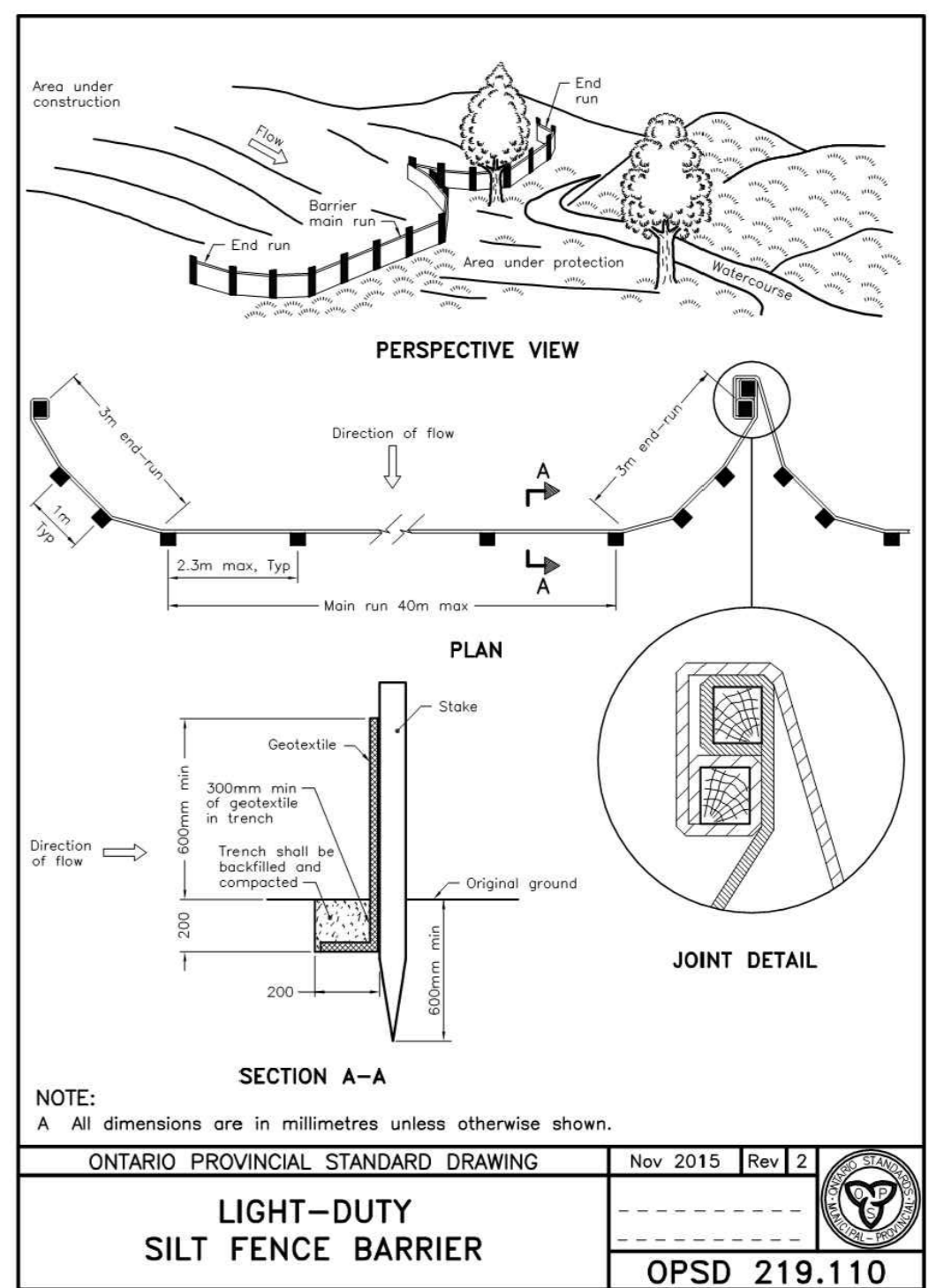
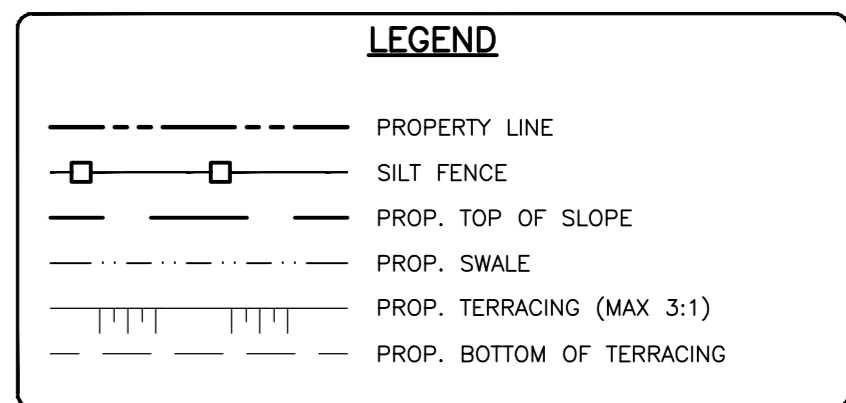
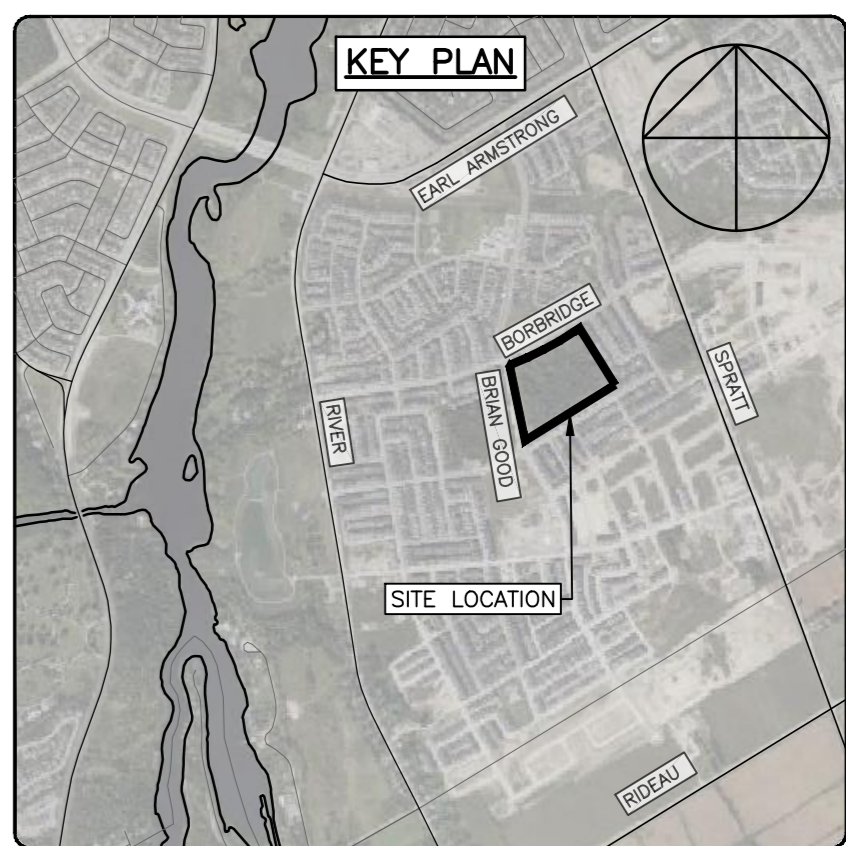
project title  
**New High School -  
Riverside South**

Mandick Ontario

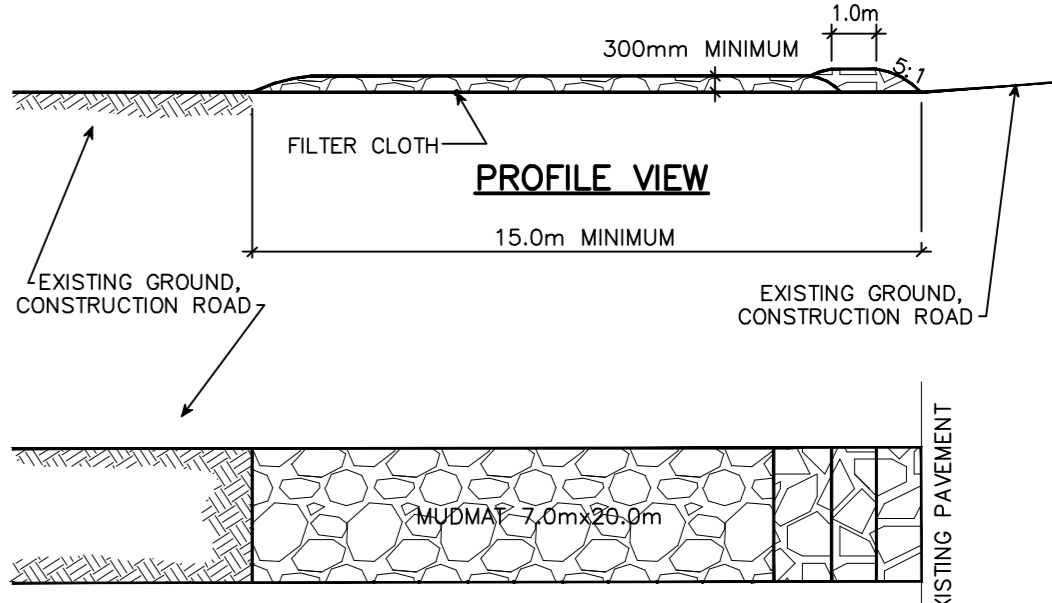
drawing title  
**SITE GRADING PLAN -  
ULTIMATE**

date	MARCH 14, 2025	job. no.	OTT-24005530-A0
scale	1 : 500	drawing no.	C200-2
drawn	AGJ		
approved	AKJ		
plot date	4/4/2025 12:52:28 PM		

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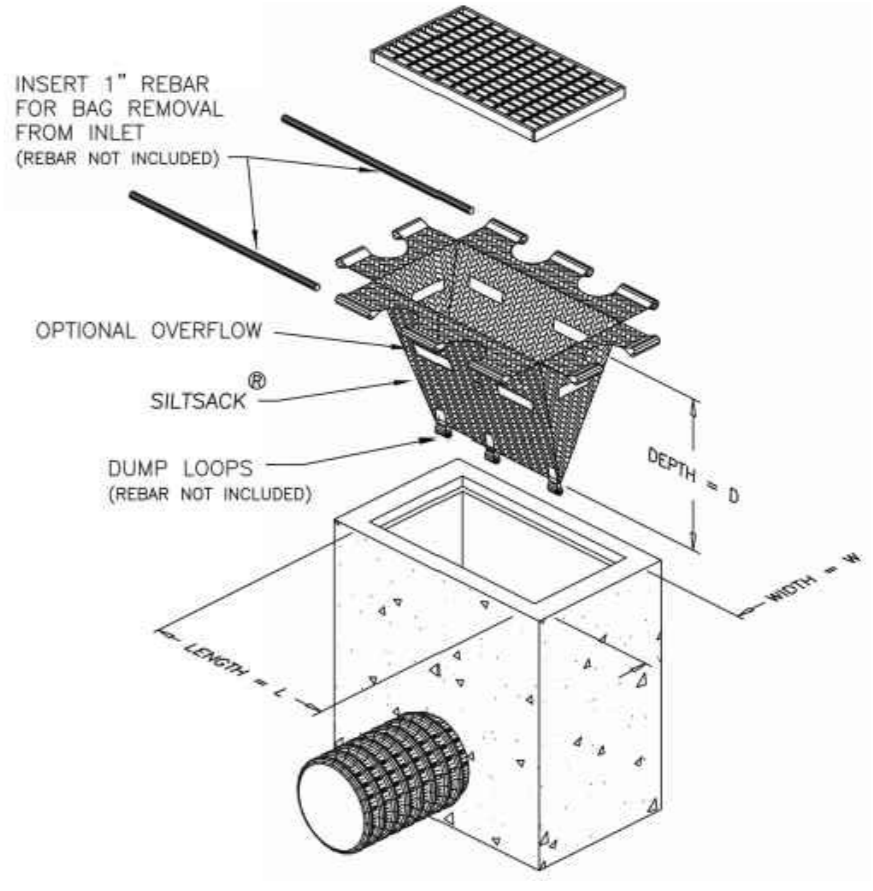
- NOTES:
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO WOOD POSTS WITH WIRE TIES OR STAPLES.
  2. POSTS TO BE SPACED AT 2.3 METRES CENTRE TO CENTRE.
  3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY A MINIMUM OF 500mm.
  4. MAINTENANCE SHALL BE PERFORMED AS NEEDED 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 OPSS 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.



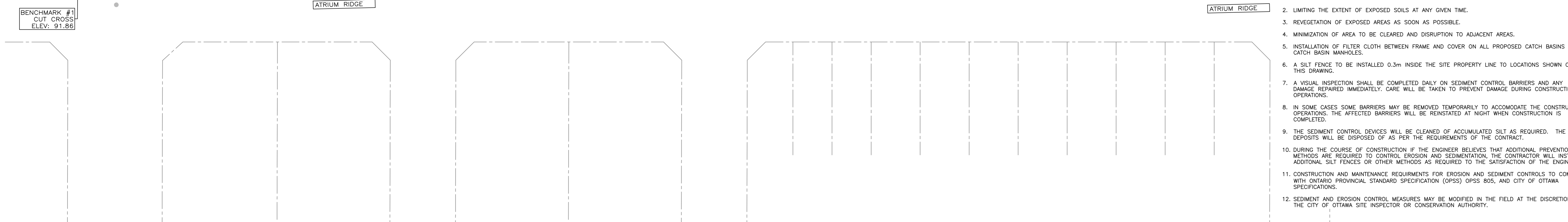
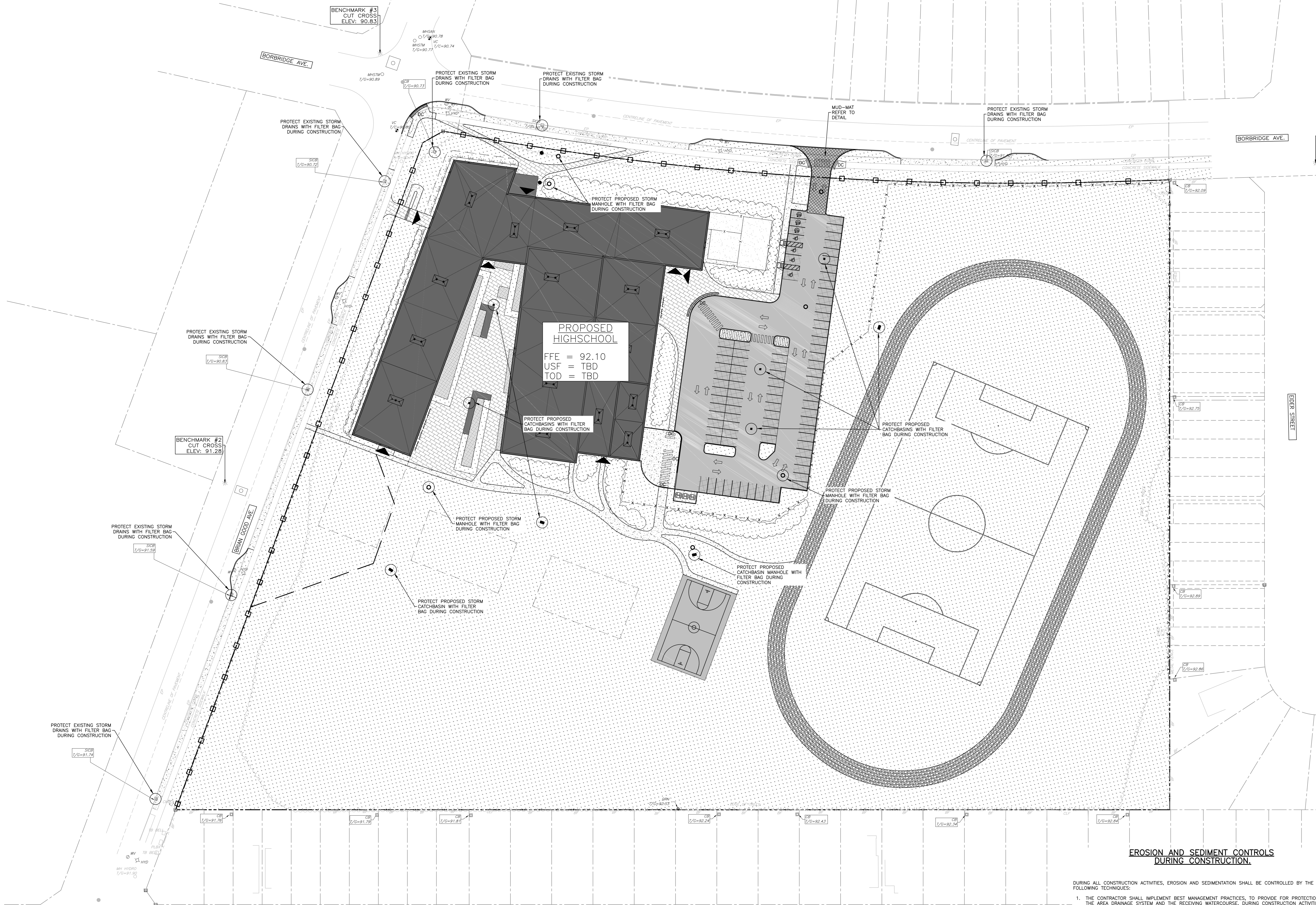
#### FILTER BAG DETAIL

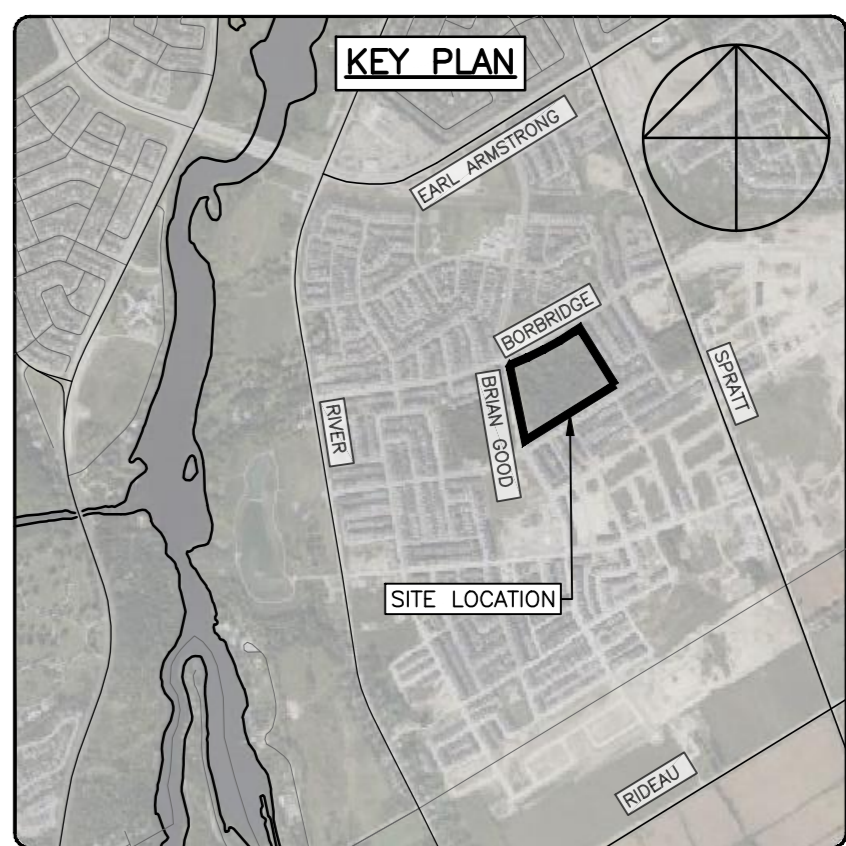
N.T.S.

#### EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION.

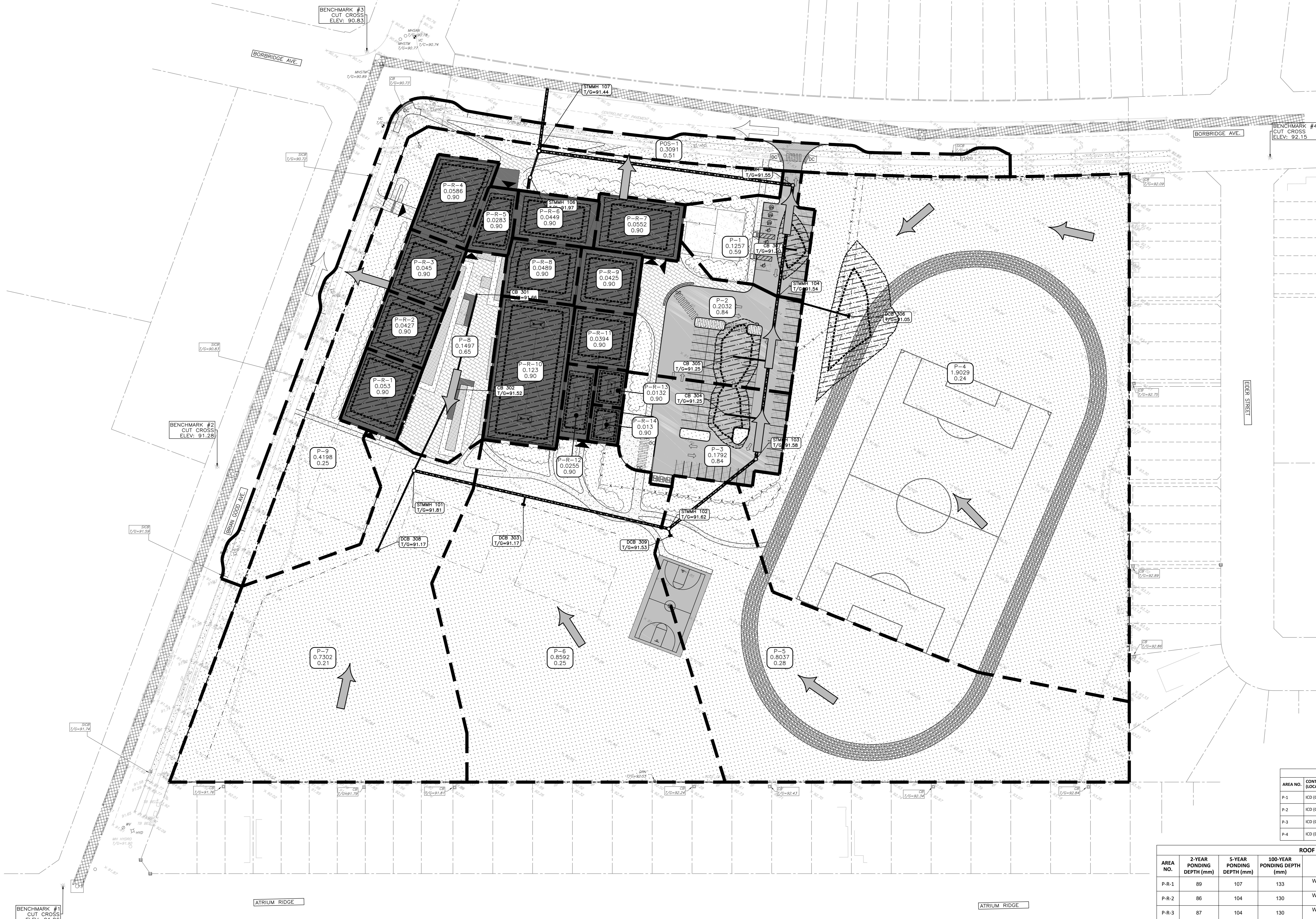
DURING ALL CONSTRUCTION ACTIVITIES, EROSION AND SEDIMENTATION SHALL BE CONTROLLED BY THE FOLLOWING TECHNIQUES:

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 REINSTALLED 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.





LEGEND	
	PROPERTY LINE
	SILT FENCE
	ONSITE OVERLAND FLOW ROUTE
	OFFSITE OVERLAND FLOW ROUTE
	AREA NO. 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) CATCH-BASIN
	PROP. STORM PIPE
	PROP. STORM MANHOLE
	PROP. DOUBLE CATCH-BASIN
	PROP. CATCH-BASIN
	PROP. GRASS
	PROP. GRAVEL
	PROP. CONCRETE
	PROP. SAND
	PROP. ROOF
	PROP. ASPHALT
	PROP. TOP OF SLOPE
	PROP. SWALE
	PROP. TERRACING (MAX 3:1)
	PROP. BOTTOM OF TERRACING



STORMWATER STORAGE AND CONTROL TABLE			
AREA NO.	CONTROL METHOD (LOCATION)	CONTROL PRODUCT	C/L OF ORIFICE ELEVATION (m) (PONDING ELEVATION)
P-1	ICD (CB 307)	90mmØ Orifice Plate	88.48 2.58 (91.46)
P-2	ICD (CB 305)	150mmØ Orifice Plate	88.74 2.70 (91.44)
P-3	ICD (CB 304)	145mmØ Orifice Plate	88.83 2.63 (91.44)
P-4	ICD (CB 306)	228mmØ Orifice Plate	88.78 2.57 (91.35)

ROOF PONDING TABLE			
AREA NO.	2-YEAR PONDING DEPTH (mm)	5-YEAR PONDING DEPTH (mm)	100-YEAR PONDING DEPTH (mm)
P-R-1	89	107	133
P-R-2	86	104	130
P-R-3	87	104	130
P-R-4	91	108	135
P-R-5	80	97	122
P-R-6	81	97	123
P-R-7	84	101	127
P-R-8	82	98	125
P-R-9	80	96	123
P-R-10	86	103	129
P-R-11	78	95	121
P-R-12	78	95	120
P-R-13	79	95	121
P-R-14	79	95	121

WEIR TYPE	NO. OF ROOF DRAINS	NO. OF WEIRS PER ROOF DRAIN	WEIR POSITION
WATTS Accutrol Adjustable Flow Control	1	2	Fully Open
WATTS Accutrol Adjustable Flow Control	1	2	Fully Open
WATTS Accutrol Adjustable Flow Control	1	2	Fully Open
WATTS Accutrol Adjustable Flow Control	1	2	Fully Open
WATTS Accutrol Adjustable Flow Control	1	2	Fully Open
WATTS Accutrol Adjustable Flow Control	1	2	Fully Open
WATTS Accutrol Adjustable Flow Control	1	2	Fully Open
WATTS Accutrol Adjustable Flow Control	1	2	Fully Open
WATTS Accutrol Adjustable Flow Control	1	2	Fully Open
WATTS Accutrol Adjustable Flow Control	3	1	Fully Open
WATTS Accutrol Adjustable Flow Control	1	2	Fully Open
WATTS Accutrol Adjustable Flow Control	1	2	Fully Open
WATTS Accutrol Adjustable Flow Control	1	2	Fully Open
WATTS Accutrol Adjustable Flow Control	1	2	Fully Open

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

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northpoint

professional stamp

## New High School - Riverside South

Manitowick Ontario

## POST-DEVELOPMENT SITE CATCHMENTS

date	MARCH 14, 2025	job no.	OTT-24005530-A0
scale	1 : 500	drawing no.	C500
drawn	AGJ		
approved	AKJ		
plot date	4/4/2025 12:52:59 PM		

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