GENERAL

1. DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL AND LANDSCAPE DRAWINGS.
2. ALL SERVICES, MATERIALS, CONSTRUCTION METHODS AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND REGULATIONS OF THE: CITY OF OTTAWA STANDARD SPECIFICATIONS AND DRAWINGS, ONTARIO PROVINCIAL SPECIFICATION STANDARD SPECIFICATION (OPSS) AND ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD), UNLESS OTHERWISE SPECIFIED, TO THE SATISFACTION OF THE CITY AND THE CONSULTANT.
3. THE POSITION OF EXISTING POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND ABOVEGROUND UTILITIES, STRUCTURES AND APPURTENANCES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWING, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL SATISFY HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM DURING THE COURSE OF CONSTRUCTION. ANY RELOCATION OF EXISTING UTILITIES REQUIRED BY THE DEVELOPMENT OF SUBJECT LANDS IS TO BE UNDERTAKEN AT CONTRACTOR'S EXPENSE.
4. THE CONTRACTOR MUST NOTIFY ALL EXISTING UTILITY COMPANY OFFICIALS FIVE (5) BUSINESS DAYS PRIOR TO START OF CONSTRUCTION AND HAVE ALL EXISTING UTILITIES AND SERVICES LOCATED IN THE FIELD OR EXPOSED PRIOR TO THE START OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO HYDRO, BELL, CABLE TV, AND CONSUMERS GAS LINES.
5. ALL TRENCHING AND EXCAVATIONS TO BE IN ACCORDANCE WITH THE LATEST REVISIONS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS. ALL INFORMATION SHALL BE CONFIRMED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
6. REFER TO ARCHITECTS PLANS FOR BUILDING DIMENSIONS, ELEVATIONS, LAYOUT AND REMOVALS. REFER TO LANDSCAPE PLAN FOR LANDSCAPED DETAILS AND OTHER RELEVANT INFORMATION. ALL INFORMATION SHALL BE CONFIRMED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
7. TOPOGRAPHIC SURVEY COMPLETED AND PROVIDED BY FARLEY, SMITH & DENIS SURVEYING LTD. DATED JANUARY 17, 2024. ADDITIONAL SURVEY FOR THE PARKWAY COMPLETED JUNE 18, 2024. CONTRACTOR TO VERIFY IN THE FIELD PRIOR TO CONSTRUCTION OF ANY WORK AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
8. ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS. VERIFY THAT JOB BENCHMARKS HAVE NOT BEEN ALTERED OR DISTURBED.
9. ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED SWALE OR DRAIN OUTLETS ARE PROVIDED.
10. ALL EDGES OF DISTURBED PAVEMENT SHALL BE SAW CUT TO FORM A NEAT AND STRAIGHT LINE PRIOR TO PLACING NEW PAVEMENT. PAVEMENT REINSTATEMENT SHALL BE WITH STEP JOINTS OF 500mm WIDTH MINIMUM.
11. ALL DISTURBED AREAS OUTSIDE PROPOSED GRADING LIMITS TO BE RESTORED TO ORIGINAL ELEVATIONS AND CONDITIONS UNLESS OTHERWISE SPECIFIED. EXISTING PARKING LOT SHALL BE RE-ASPHALTED AT EXISTING GRADES EXCEPT AS NOTED TO EVEN OUT GRADES. ALL RESTORATION SHALL BE COMPLETED WITH THE GEOTECHNICAL REQUIREMENTS FOR BACKFILL AND COMPACTION.
12. ABUTTING PROPERTY GRADES TO BE MATCHED.
13. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE MUNICIPAL AUTHORITIES PRIOR TO COMMENCING CONSTRUCTION, INCLUDING WATER PERMIT AND ROAD CUT PERMIT.
14. MINIMIZE DISTURBANCE TO EXISTING VEGETATION DURING THE EXECUTION OF ALL WORKS.
15. REMOVE FROM SITE ALL EXCESS EXCAVATED MATERIAL UNLESS OTHERWISE DIRECTED FROM THE ENGINEER. EXCAVATE AND REMOVE ALL ORGANIC MATERIAL AND DEBRIS LOCATED WITHIN THE PROPOSED BUILDING, PARKING AND ROADWAY LOCATIONS.
16. AT PROPOSED UTILITY CONNECTION POINTS AND CROSSINGS (I.E. STORM SEWER, SANITARY SEWER, WATER, ETC.) THE CONTRACTOR SHALL DETERMINE THE PRECISE LOCATION AND DEPTH OF EXISTING UTILITIES AND REPORT ANY DISCREPANCIES OR CONFLICTS TO THE ENGINEER BEFORE COMMENCING WORK.
17. PRIOR TO CONSTRUCTION, A GEOTECHNICAL ENGINEER REGISTERED IN THE PROVINCE OF ONTARIO IS TO INSPECT ALL SUB-SURFACES FOR FOOTINGS, SERVICES AND PAVEMENT STRUCTURES.
18. CONTRACTOR TO OBTAIN POST-CONSTRUCTION TOPOGRAPHIC SURVEY PERFORMED BY CERTIFIED OLS OR P.ENG. CONFIRMING COMPLIANCE WITH DESIGN GRADING AND SERVICING. SURVEY IS TO INCLUDE LOCATION AND INVERTS FOR BURIED UTILITIES.
19. PROVIDE CCTV INSPECTION REPORT FOR ALL SEWERS AND CATCHBASIN LEADS 200MM DIAMETER AND LARGER. REPEAT CCTV INSPECTION FOLLOWING RECTIFICATION OF ANY DEFICIENCIES.
20. REPORT REFERENCES
    - 20.1. GEOTECHNICAL INVESTIGATION REPORT FOR PROPOSED ADDITION AND CIVIL WORK EARL OF MARCH SCHOOL. 4 THE PARKWAY, OTTAWA, ON, PREPARED BY EXP SERVICES INC., PROJ NO. OTT-23012778-B0, SEPTEMBER 20 2024.
    - 20.2. EARL OF MARCH HIGH SCHOOL ADDITION 4 THE PARKWAY, OTTAWA, ON. SERVICING AND STORMWATER MANAGEMENT REPORT, PREPARED BY GENIVAR, PROJ NO. 131-18668-00, DECEMBER 10, 2013.

PARKING LOT AND WORK IN PUBLIC RIGHTS OF WAY

1. CONTRACTOR TO REINSTATE ROAD CUTS AS PER CITY OF OTTAWA DETAIL R10.
2. GEOTECHNICAL INVESTIGATION REPORT - FOR PROPOSED ADDITION AND CIVIL WORK EARL OF MARCH SCHOOL. 4 THE PARKWAY, OTTAWA, ON, PREPARED BY EXP SERVICES INC., PROJ NO. OTT-23012778-B0, FEBRUARY 2024
3. CONTRACTOR TO PREPARE SUBGRADE, INCLUDING PROOFROLLING, TO THE SATISFACTION OF THE GEOTECHNICAL CONSULTANT PRIOR TO THE COMMENCEMENT OF PLACEMENT OF GRANULAR B MATERIAL.
4. FILL TO BE PLACED AND COMPACTED PER THE GEOTECHNICAL REPORT REQUIREMENTS.
5. CONTRACTOR TO SUPPLY, PLACE AND COMPACT GRANULAR B MATERIAL IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL CONSULTANT. CONTRACTOR TO PROVIDE CONSULTANT WITH SAMPLES OF GRANULAR B MATERIAL FOR TESTING AND CERTIFICATION FROM THE GEOTECHNICAL CONSULTANT THAT THE MATERIAL MEETS THE GRADATION REQUIREMENTS SPECIFIED IN THE GEOTECHNICAL REPORT.
6. GRANULAR A MATERIAL TO BE PLACED ONLY UPON APPROVAL BY THE GEOTECHNICAL CONSULTANT OF GRANULAR B PLACEMENT.
7. CONTRACTOR TO SUPPLY, PLACE AND COMPACT GRANULAR A MATERIAL IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL CONSULTANT. CONTRACTOR TO PROVIDE CONSULTANT WITH SAMPLES OF GRANULAR A MATERIAL FOR TESTING AND CERTIFICATION FROM THE GEOTECHNICAL CONSULTANT THAT THE MATERIAL MEETS THE GRADATION REQUIREMENTS SPECIFIED IN THE GEOTECHNICAL REPORT.
8. ASPHALT MATERIAL TO BE PLACED ONLY UPON APPROVAL BY THE GEOTECHNICAL CONSULTANT OF GRANULAR A PLACEMENT.
9. CONTRACTOR TO SUPPLY, PLACE AND COMPACT ASPHALT MATERIAL IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL CONSULTANT. CONTRACTOR TO PROVIDE CONSULTANT WITH SAMPLES OF ASPHALT MATERIAL FOR TESTING AND CERTIFICATION FROM THE GEOTECHNICAL CONSULTANT THAT THE MATERIAL MEETS THE REQUIREMENTS SPECIFIED IN THE GEOTECHNICAL REPORT.
10. CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING LINE AND GRADE IN ACCORDANCE WITH THE PLANS, AND FOR PROVIDING THE CONSULTANT WITH VERIFICATION PRIOR TO PLACEMENT.
11. ALL EXCESS MATERIAL TO BE HAULED OFFSITE AND DISPOSED OF AT AN APPROVED DUMP SITE. SHOULD THE CONTRACTOR DISCOVER ANY HAZARDOUS MATERIAL, CONTRACTOR IS TO NOTIFY CONSULTANT. CONSULTANT TO DETERMINE APPROPRIATE DISPOSAL METHOD/LOCATION.
12. PAVEMENT STRUCTURE (MATERIAL TYPES AND THICKNESS) TO BE AS SPECIFIED IN THE GEOTECHNICAL REPORT.

STORM SEWERS AND STRUCTURES

1. ALL STORM SEWER MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO THE CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS. PROVIDE CCTV INSPECTION REPORTS FOR ALL NEW STORM SEWERS, SERVICES AND CB LEADS.
2. STORM SEWERS 450mm DIAMETER AND SMALLER SHALL BE PVC SDR-35, WITH RUBBER GASKET PER CSA A-257.3.
3. STORM SEWER LARGER THAN 450mm SHALL BE REINFORCED CONCRETE CLASS 100D.
4. SEWER BEDDING AS PER CITY OF OTTAWA DETAIL S6.
5. ALL STORM MANHOLES TO BE AS PER STORM STRUCTURE TABLE.
6. ANY NEW OR EXISTING STORM SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD W22, OR APPROVED BY THE ENGINEER.
7. ALL CATCHBASIN LEADS TO BE MINIMUM 200mm DIAMETER AT MINIMUM 1.0% SLOPE UNLESS OTHERWISE SPECIFIED.
8. STORM CATCHBASINS AS PER OPSD 705.010 AND FRAME/COVER AS PER CITY STANDARD DRAWINGS S19. STORM CBMH'S AS INDICATED IN TABLE WITH SUMP, ADJUSTMENT SECTIONS SHALL BE AS PER OPSD 704.010.
9. INSTALLATION OF FLOW CONTROL ICD'S TO BE VERIFIED BY QUALITY VERIFICATION ENGINEER RETAINED BY CONTRACTOR.
10. PROVIDE BACKWATER VALVE ON FOUNDATION DRAIN, STORM DISCHARGE, AND OVERFLOW DISCHARGE PER S14
11. ALL CATCHBASINS EXCLUDING LANDSCAPE CATCHBASINS TO HAVE 150 MMØ PERFORATED PIPE FOR 3.0M ON ALL AVAILABLE SIDES AT AN ELEVATION OF 300mm BELOW SUBGRADE LEVEL AS PER CITY OF OTTAWA STANDARD DRAWING 'R1'

SANITARY SEWER AND STRUCTURES

1. ALL SANITARY SEWER, SANITARY SEWER APPURTENANCES AND CONSTRUCTION METHODS SHALL CONFORM TO THE CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS. PROVIDE CCTV INSPECTION REPORTS FOR ALL NEW SANITARY PIPING.
2. SANITARY SEWER PIPE SIZE 150mm DIAMETER AND GREATER TO BE PVC SDR-35 (UNLESS SPECIFIED OTHERWISE) WITH RUBBER GASKET TYPE JOINTS IN CONFORMANCE WITH CSA B-182.2,3,4.
3. SEWER BEDDING AS PER CITY OF OTTAWA DETAIL S6.
4. ALL SANITARY MANHOLES 1200mm IN DIAMETER TO BE AS PER OPSD 701.01. FRAME AND COVER TO BE AS PER CITY OF OTTAWA STANDARD S25 AND S24.
5. MAINTENANCE HOLE BENCHING AND PIPE OPENING ALTERNATIVES AS PER THE OPSD 701.021
6. ANY SANITARY SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD W22, OR APPROVED BY THE ENGINEER.
7. PROVIDE BACKWATER VALVE FOR BUILDING SANITARY SERVICES PER S14.1

WATERMAIN

1. ALL WATERMAIN AND WATERMAIN APPURTANANCES, MATERIALS, CONSTRUCTION AND TESTING METHODS SHALL CONFORM TO THE CURRENT CITY OF OTTAWA AND MINISTRY OF ENVIRONMENT STANDARDS AND SPECIFICATIONS.
2. ALL WATERMAIN 300mm DIAMETER AND SMALLER TO BE POLY VINYL CHLORIDE (PVC) CLASS 150 DR 18 MEETING AWWA SPECIFICATION C900.
3. ALL WATERMAIN TO BE INSTALLED AT MINIMUM COVER OF 2.4m BELOW FINISHED GRADE. WHERE WATERMAINS CROSS OVER OTHER UTILITIES, A MINIMUM 0.30m CLEARANCE SHALL BE MAINTAINED; WHERE WATERMAINS CROSS UNDER OTHER UTILITIES, A MINIMUM 0.50m CLEARANCE SHALL BE MAINTAINED. WHERE THE MINIMUM SEPARATION CANNOT BE ACHIEVED, THE WATERMAIN SHALL BE INSTALLED AS PER CITY OF OTTAWA STANDARDS W25 AND W25.2. WHERE 2.4m MINIMUM DEPTH CANNOT BE ACHIEVED, THERMAL INSULATION SHALL BE PROVIDED AS PER CITY OF OTTAWA STANDARD W22. WHERE A WATERMAIN IS IN CLOSE PROXIMITY TO AN OPEN STRUCTURE, THERMAL INSULATION SHALL BE PROVIDED AS PER CITY OF OTTAWA STANDARD W23.
4. CONCRETE THRUST BLOCKS AND MECHANICAL RESTRAINTS ARE TO BE INSTALLED AT ALL TEES, BENDS, HYDRANTS, REDUCERS, ENDS OF MAINS AND CONNECTIONS 100mm AND LARGER, IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS W25.3 & W25.4.
5. CATHODIC PROTECTION REQUIRED FOR ALL IRON FITTINGS AS PER CITY OF OTTAWA STANDARD W40 & W42.
6. ALL VALVES AND VALVE BOXES AND CHAMBERS, HYDRANTS, AND HYDRANT VALVES AND ASSEMBLES SHALL BE INSTALLED AS PER CITY OF OTTAWA STANDARD
7. FIRE HYDRANT LOCATION AND INSTALLATION AS PER CITY OF OTTAWA STANDARD W18 & W19. CONTRACTOR TO PROVIDE FLOW TEST AND PAINTING OF NEW HYDRANT IN ACCORDANCE WITH CITY STANDARDS.
8. IF WATER MAIN MUST BE DEFLECTED TO MEET ALIGNMENT, ENSURE THAT THE AMOUNT OF DEFLECTION USED IS LESS THAN HALF THAT RECOMMENDED BY THE MANUFACTURER.

Table VIII: Recommended Pavement Structure Thicknesses

Pavement Layer	Compaction Requirements	Computed Pavement Structures	
		Light Duty Traffic (Cars Only)	Heavy Duty Traffic (Fire Truck Access)
Asphaltic Concrete	92 percent to 97 percent MRD	65mm HL3/SP12.5mm/ Cat.B (PG 58-34)	50mm HL3/SP12.5 Cat.B(PG 58-34) 60mm HL8/SP 19 Cat.B (PG 58-34)
OPSS 1010 Granular A Base (crushed diorite)	100% percent SPMDD	150mm	150mm
OPSS 1010 Granular B Type II Sub-base	100% percent SPMDD	450mm	600mm

Notes:
1. SPMDD denotes standard Proctor maximum dry denstity, ASTM, D-698-12e2.
2. MRD denotes Maximum Relative Density, ASTM D2041.
3. The upper 300mm 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.

EROSION AND SEDIMENT CONTROL

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

1. PRIOR TO START OF CONSTRUCTION:
   - 1.1. INSTALL SILT FENCE IN LOCATION SHOWN.
   - 1.2. INSTALL SILT SACK FILTERS IN ALL THE CATCHBASINS AND MANHOLES TO REMAIN DURING CONSTRUCTION WITHIN THE SITE.
   - 1.3. INSPECT MEASURES IMMEDIATELY AFTER INSTALLATION.
   - 1.4. INSTALL MUD MAT AT CONSTRUCTION ENTRANCES.
2. DURING CONSTRUCTION:
   - 2.1. MINIMIZE THE EXTENT OF DISTURBED AREAS AND THE DURATION OF EXPOSURE AND IMPACTS TO EXISTING GRADING.
   - 2.2. PERIMETER VEGETATION TO REMAIN IN PLACE UNTIL PERMANENT STORM WATER MANAGEMENT IS IN PLACE. OTHERWISE, IMMEDIATELY INSTALL SILT FENCE WHEN THE EXISTING SITE IS DISTURBED AT THE PERIMETER.
   - 2.3. PROTECT DISTURBED AREAS FROM OVERLAND FLOW BY PROVIDING TEMPORARY SWALES TO THE SATISFACTION OF THE FIELD ENGINEER. TIE-IN TEMPORARY SWALE TO EXISTING CB'S AS REQUIRED.
   - 2.4. PROVIDE TEMPORARY COVER SUCH AS SEEDING OR MULCHING IF DISTURBED AREA WILL NOT BE REHABILITATED WITHIN 30 DAYS.
   - 2.5. INSPECT SILT FENCES, FILTER FABRIC FILTERS AND CATCH BASIN SUMPS WEEKLY AND WITHIN 24 HOURS AFTER A STORM EVENT. CLEAN AND REPAIR WHEN NECESSARY.
   - 2.6. DOWNSTREAM STORM INFRASTRUCTURE SHALL BE PROTECTED FROM UNFILTERED RUNOFF DURING ON-SITE STORM INFRASTRUCTURE DEMOLITION.
   - 2.7. DRAWING TO BE REVIEWED AND REVISED AS REQUIRED DURING CONSTRUCTION.
   - 2.8. EROSION CONTROL FENCING TO BE ALSO INSTALLED AROUND THE BASE OF ALL STOCKPILES.
   - 2.9. DO NOT LOCATE TOPSOIL PILES AND EXCAVATION MATERIAL CLOSER THAN 2.5m FROM ANY PAVED SURFACE, OR ONE WHICH IS TO BE PAVED BEFORE THE PILE IS REMOVED. ALL TOPSOIL PILES ARE TO BE SEEDED IF THEY ARE TO REMAIN ON SITE LONG ENOUGH FOR SEEDS TO GROW (LONGER THAN 30 DAYS).
   - 2.10. CONTROL WIND-BLOWN DUST OFF SITE BY SEEDING TOPSOIL PILES AND OTHER AREAS TEMPORARILY (PROVIDE WATERING AS REQUIRED AND TO THE SATISFACTION OF THE ENGINEER).
   - 2.11. NO ALTERNATE METHODS OF EROSION PROTECTION SHALL BE PERMITTED UNLESS APPROVED BY THE FIELD ENGINEER.
   - 2.12. CITY ROADWAY AND SIDEWALK TO BE CLEANED OF ALL SEDIMENT FROM VEHICULAR TRACKING AS REQUIRED.
   - 2.13. DURING WET CONDITIONS, TIRES OF ALL VEHICLES/EQUIPMENT LEAVING THE SITE ARE TO BE SCRAPED.
   - 2.14. ANY MUD/MATERIAL TRACKED ONTO THE ROAD SHALL BE REMOVED IMMEDIATELY BY HAND OR RUBBER TIRE LOADER.
   - 2.15. TAKE ALL NECESSARY STEPS TO PREVENT BUILDING MATERIAL, CONSTRUCTION DEBRIS OR WASTE BEING SPILLED OR TRACKED ONTO ABUTTING PROPERTIES OR PUBLIC STREETS DURING CONSTRUCTION AND PROCEED IMMEDIATELY TO CLEAN UP ANY AREAS SO AFFECTED.
   - 2.16. ALL EROSION CONTROL STRUCTURE TO REMAIN IN PLACE UNTIL ALL DISTURBED GROUND SURFACES HAVE BEEN STABILIZED EITHER BY PAVING OR RESTORATION OF VEGETATIVE GROUND COVER.
   - 2.17. 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.

EXISTING LEGEND:

- EXISTING CURB
- EXISTING BOTTOM OF SLOPE
- EXISTING TOP OF SLOPE
- W — EXISTING WATERMAIN
- ST — EXISTING STORM SEWER
- SA — EXISTING SANITARY SEWER
- GAS — EXISTING GAS
- C — EXISTING CABLE
- X — EXISTING FENCE
- TBM# — SITE TEMPORARY BENCH MARK
- EXISTING SANITARY MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- 80.00 — EXISTING ELEVATION
- BOREHOLE
- EXISTING TREES TO REMAIN
- EXISTING CATCHBASIN
- EXISTING CATCHBASIN MANHOLE
- EXISTING STORM MANHOLE
- EXISTING ASPHALT PAVEMENT

PROPOSED LEGEND:

- EXISTING BOUNDARY
- W — NEW WATERMAIN
- ST — NEW STORM SEWER
- NEW HDPE SUBDRAIN
- SA — NEW SANITARY SEWER
- HP — HIGH POINT
- NEW STORM CATCH BASIN MANHOLE
- NEW STORM MANHOLE
- NEW CATCH BASIN/ DITCH INLET
- NEW SANITARY MANHOLE
- NEW WATERMAIN VALVE
- 61.87 — PROPOSED ELEVATION
- 1.6% — PROPOSED SURFACE SLOPE
- OVER FLOW DIRECTION
- REINSTATEMENT
- HEAVY DUTY PAVEMENT
- PROPOSED TREES

REMOVALS LEGEND:

- CURB REMOVAL
- ST — STORM REMOVAL
- W — WATERMAIN REMOVAL
- EXISTING CONCRETE SIDEWALK REMOVAL
- FULL DEPTH ASPHALT REMOVAL
- CATCH BASIN REMOVAL
- SANITARY MANHOLE REMOVAL

ESC LEGEND:

- SF — LIGHT DUTY SILT FENCE (OPSD 219.110)
- FILTER CLOTH PROTECTION
- MUD MAT

DRAINAGE AREA LEGEND:

DRAINAGE AREA NAME; EX-3 CONTROLLED; 0.012; 0.61; AREA IN HECTARES; RUNOFF COEFFICIENT

- DRAINAGE AREA SYMBOL
- DRAINAGE AREA BOUNDARY

OTTAWA-CARLETON DISTRICT SCHOOL BOARD

ISSUE NO.	REV. NO.	DATE YYMMDD	ISSUE
2		24/12/12	REVISED AS PER CITY COMMENTS
1		24/07/22	ISSUED FOR SPC

BEARING NOTE
ELEVATIONS SHOWN ARE GEODETIC AND ARE REFERRED TO GEODETIC DATUM CGVD-1928:1978.
(MONUMENT NO. 19770765)
BENCHMARK #1 N:5020636.734 E:352184.396 Z:94.96
BENCHMARK #2 N:5020583.341 E:352110.407 Z:93.82
BENCHMARK #3 N:5020432.991 E:352406.889 Z:95.53

WSP CANADA INC.
2611 QUEENSVIEW DRIVE, SUITE 300
OTTAWA, ONTARIO
CANADA K2B 8K2
PHONE: 613-829-2800
WWW.WSP.COM

LICENSED PROFESSIONAL ENGINEER — D. B. YANG — 100230568 — 2024-12-12 — PROVINCE OF ONTARIO

EDWARD J. CUHACI & ASSOCIATES ARCHITECTS Inc.
171 Slater St, Suite 100, Ottawa, Ontario, K1P 5H7
Fax: (613) 236-1944 Telephone: (613) 236-7135 E-mail: info@cuhaci.com

PROJECT TITLE/TITRE DU PROJET
EARL OF MARCH SCHOOL ADDITION

4 THE PARKWAY
OTTAWA, ON, K2K 1Y4

DRAWING TITLE/TITRE DU DESSIN

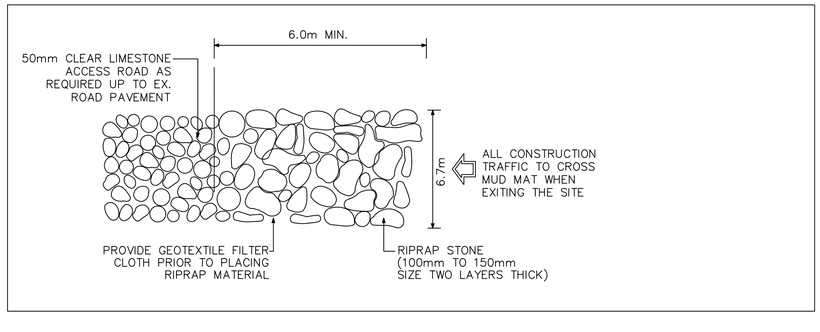
NOTES AND DETAILS

SCALE ECHELLE	AS SHOWN	PROJ. No CA0020000.3018	ISSUE No 2	REV. No 0
DRAWN BY DESSINE PAR	ZA/JT	DRAWING/DESSIN		
CHECKED BY VERIFIE PAR	DY	C01		
DATE	DECEMBER 2024	ACAD FILE/FICHIER:		

WATERMAIN COORDINATES						
P.I. No.	T/G	Description	Station	Northing	Easting	Obvert
W01	93.85	CONNECT TO EX.150mmØ WM	0+000.0	5020628.084	352179.103	91.30
W02	93.82	150mm VB	0+008.0	5020633.856	352173.628	91.12
W03	93.81	150x150x150 TEE	0+009.5	5020634.948	352172.593	91.12
W05	93.91	45° BEND	0+023.7	5020645.485	352162.599	91.35
W06	93.81	45° BEND	0+036.9	5020659.110	352162.896	91.41
W07	93.74	45° BEND	0+093.7	5020697.692	352205.039	91.20
W08	93.94	45° BEND	0+098.5	5020702.609	352205.256	91.20
W09	93.85	150mm VB	0+101.5	5020705.340	352203.965	91.20
W10	93.44	45° BEND	0+112.3	5020715.122	352199.344	91.03
W11	93.51	45° BEND	0+116.0	5020718.553	352200.573	91.03
W12	93.34	45° BEND	0+172.0	5020751.045	352246.197	90.87
W13	93.29	CROSSING WITH 200mmØ PVC SAN	0+176.3	5020755.294	352246.991	90.87
W22	93.27	45° BEND	0+177.6	5020756.554	352247.226	90.87
W23	93.27	22.5° VERTICAL BEND	0+178.6	5020757.119	352248.051	90.87
W24	93.26	22.5° VERTICAL BEND	0+180.5	5020758.199	352249.627	90.14
W25	93.26	CONNECT TO EX. 150mm W/M	0+181.5	5020758.764	352250.452	90.14

WATERMAIN COORDINATES						
P.I. No.	T/G	Description	Station	Northing	Easting	Obvert
W03	93.81	150x150x150 TEE	0+009.5	5020634.948	352172.593	91.12
W04	93.83	CROSSING WITH 200mmØ PVC SAN	1+098.9	5020632.880	352170.405	91.11
W14	94.05	CONNECT TO EX.150mmØ PVC W/M WITH 45° BEND	1+000.0	5020554.575	352153.957	91.65
W15	93.93	45° BEND	1+005.9	5020560.582	352154.248	91.53
W16	93.98	45° BEND	1+032.3	5020580.301	352136.355	91.58
W17	93.73	45° BEND	1+053.0	5020601.257	352136.947	91.33
W18	93.75	CROSSING WITH 250mmØ PVC STM	1+093.7	5020629.294	352166.611	91.10
W21	93.90	150 x 150mm TEE	1+044.0	5020592.162	352136.691	91.65

WATERMAIN COORDINATES						
P.I. No.	T/G	Description	Station	Northing	Easting	Obvert
W19	94.08	CONNECT TO PROPOSED BUILDING	3+000.0	5020587.923	352141.729	91.68
W20	94.01	150mm VB	3+002.9	5020590.030	352139.718	91.76
W21	93.90	150 x 150mm TEE	1+044.0	5020592.162	352136.691	91.65
W26	93.93	45° BEND	3+005.8	5020592.138	352137.708	91.53



1 C06 MUD MAT DETAIL - PLAN VIEW
SCALE: N.T.S

STORM STRUCTURE TABLE

STRUCTURE	TOP OF GRATE	INLET	INLET	OUTLET	SIZE	OPSD	COVER	OUTLET DIAMETER	TYPE	ICD INFO HEAD (m)	FLOW (l/s)	ICD TYPE
CB 01	93.70			92.430	600X600mm	OPSD 705.010	S19.1	200	PVC SDR-35			
CBMH 100	93.65		92.190	92.090	1200mm DIA.	OPSD 701.010	S28.1	300	PVC SDR-35			
CBMH 101	93.65		92.010	91.930	1200mm DIA.	OPSD 701.010	S28.1	375	PVC SDR-35			
CBMH 102	93.50		91.870	91.860	1200mm DIA.	OPSD 701.010	S28.1	375	PVC SDR-35	1.85	80	168mm DIA. ORIFICE
STMH 100	93.69	91.600	91.450	91.450	1200mm DIA.	OPSD 701.010	S24.1	600	EX.CONC			
STMH 101	93.72	91.930	91.800	91.730	1200mm DIA.	OPSD 701.010	S24.1	450	PVC SDR-35			
STMH 102	94.04		92.280	92.220	1200mm DIA.	OPSD 701.010	S24.1	250	PVC SDR-35			
STMH 103	94.04		91.650	91.650	1200mm DIA.	OPSD 701.010	S24.1	450	PVC SDR-35			
STMH(EFO4)	93.61		91.840	91.830	1200mm DIA.	OPSD 701.010	S24.1	375	PVC SDR-35			

SAN STRUCTURE TABLE

STRUCTURE ID	TOP OF GRATE	INVERT INLET	INVERT INLET	INVERT OUTLET	DESCRIPTION SIZE	DESCRIPTION OPSD	DESCRIPTION COVER
Ex. SAMH 2	*93.30*	89.970	*89.980*	*89.960*	*1200mm DIA.*	*OPSD-701.010*	*S24*
SAMH 100	93.54		90.680	90.440	1200mm DIA.	OPSD-701.010	S24
SAMH 101	93.84		90.870	90.810	1200mm DIA.	OPSD-701.010	S24
SAMH 102	93.90		91.390	91.320	1200mm DIA.	OPSD-701.010	S24
SAMH 103	94.07		91.810	91.750	1200mm DIA.	OPSD-701.010	S24

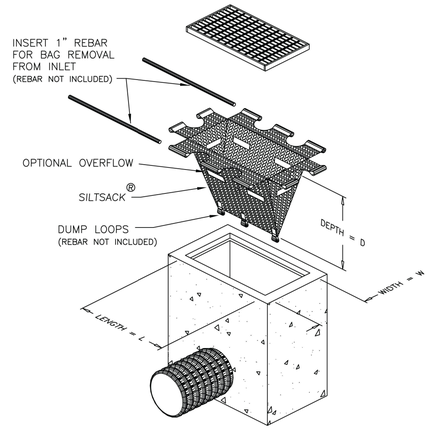
		Obvert	Invert			Obvert	Invert	
1	250mmø PVC STM	92.209	91.959	0.609	Clearance Above	91.350	91.200	150mmø PVC W/M
2	200mmø PVC SAN	91.769	91.569	0.139	Clearance Above	91.430	91.280	150mmø PVC W/M
3	200mmø PVC SAN	90.218	90.018	0.522	Clearance Under	90.890	90.740	150mmø PVC W/M

*Note: Provide Concrete Encased for crossing clearance less than 0.30m

Post Development Storm Drainage Area Table

Catchment Area	Total (ha)	Grass 0.2	Gravel 0.7	Asphalt 0.9	Outlet Structure	Ponding Area (m2)	Ponding Depth	Ponding Volume
A-1	0.164			0.164				
A-2a	0.110	0.078		0.032	CB 01	46.30	0.09	1.39
A-2b	0.163	0.127		0.036	CBMH 100	98.30	0.14	4.59
A-2c	0.140	0.107		0.033	CBMH 101	139.30	0.14	6.50
A-2d	0.164	0.052		0.112	CBMH 102	383.61	0.29	37.08
A-3	0.025	0.000		0.025				
Total	0.766	0.364		0.402		667.51		49.56

Typical Siltsack® Construction - Type B



OTTAWA-CARLETON DISTRICT SCHOOL BOARD

ISSUE NO.	REV. NO.	DATE YYMMDD	ISSUE
2		24/12/12	REVISED AS PER CITY COMMENTS
1		24/07/22	ISSUED FOR SPC

BEARING NOTE
ELEVATIONS SHOWN ARE GEODETIC AND ARE REFERRED TO GEODETIC DATUM CGVD-1928:1978.
(MONUMENT NO. 19707765)
BENCHMARK #1 N:5020636.734 E:352184.396 Z:94.96
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BENCHMARK #3 N:5020432.991 E:352406.889 Z:95.53

WSP CANADA INC.
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LICENSED PROFESSIONAL ENGINEER
D. B. YANG
100230568
2024-12-12
PROVINCE OF ONTARIO

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171 Slater St, Suite 100, Ottawa, Ontario, K1P 5H7
Fax: (613) 236-1944 Telephone: (613) 236-7135 E-mail: info@cuhaci.com

PROJECT TITLE/TITRE DU PROJET
EARL OF MARCH SCHOOL ADDITION

4 THE PARKWAY
OTTAWA, ON, K2K 1Y4

DRAWING TITLE/TITRE DU DESSIN
DETAILS

SCALE ECHELLE	AS SHOWN	PROJ. No CA0020000.3018	ISSUE No 2	REV. No 0
DRAWN BY DESSINE PAR	ZA/JT	DRAWING/DESSIN C02		
CHECKED BY VERIFIE PAR	DY			
DATE	DECEMBER 2024	ACAD FILE/FICHIER:		

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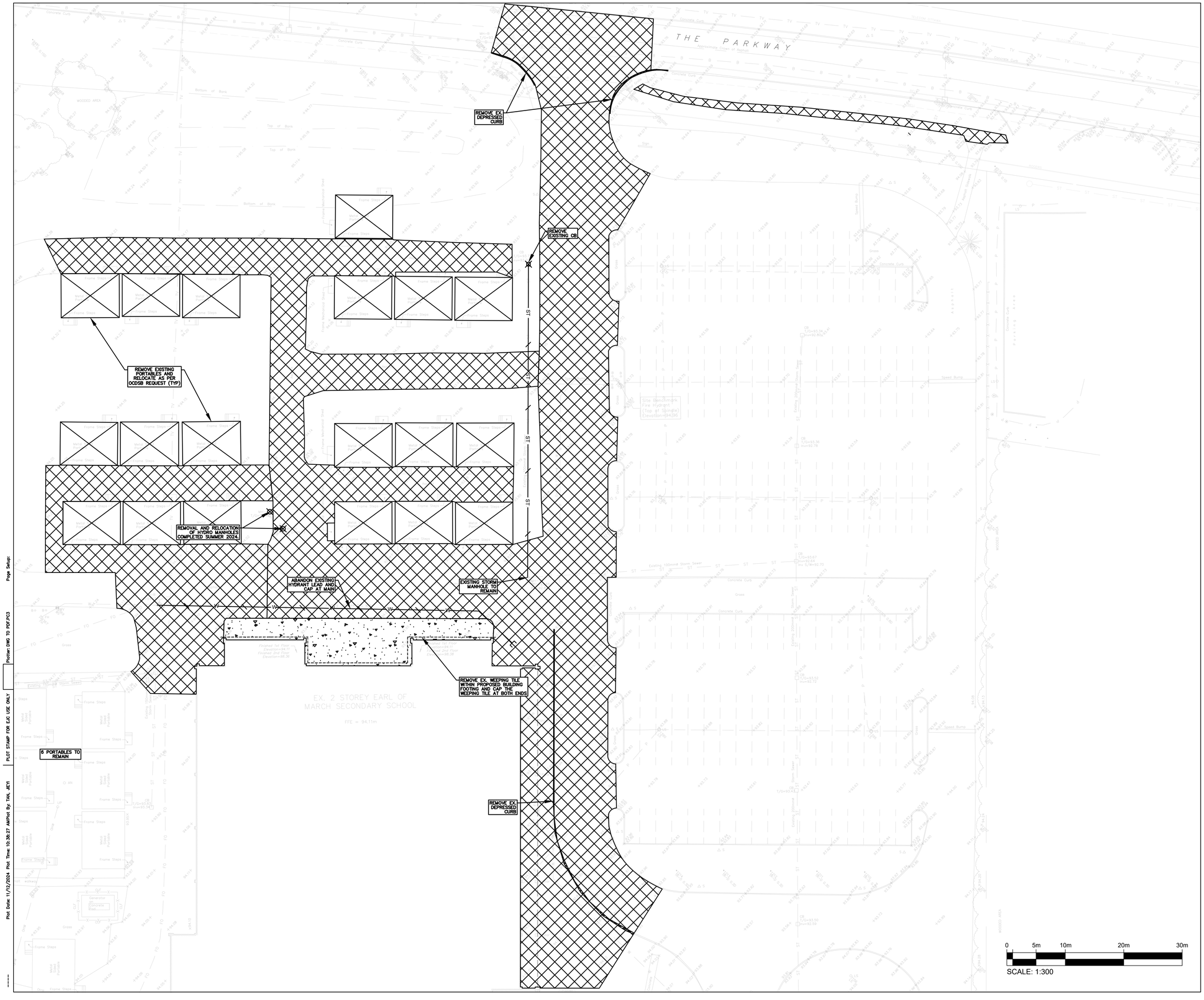
PLOT STAMP FOR EJC USE ONLY
Plot Date: 11/12/2024 Plot Time: 10:38:09 AMPlot By: TAN, JEFF



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OTTAWA-CARLETON
DISTRICT SCHOOL BOARD

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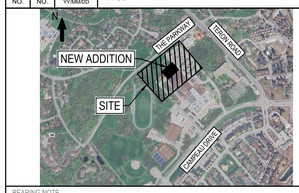

BEARING NOTE

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PROJECT TITLE/TITRE DU PROJET
EARL OF MARCH
SCHOOL ADDITION

4 THE PARKWAY
OTTAWA, ON, K2K 1Y4

DRAWING TITLE/TITRE DU DESSIN

REMOVALS PLAN

SCALE / ECHELLE	1:300	PROJ. No CA0020000.3018	ISSUE No 2	REV. No 0
DRAWN BY / DESSINE PAR	ZA/JT	DRAWING/DESSIN		
CHECKED BY / VERIFIE PAR	DY	C03		
DATE	DECEMBER 2024	ACAD FILE/FICHIER:		

THE PARKWAY

APPROXIMATE LIMITS OF ROADWAY REINSTATEMENT (PER CITY STANDARD R10).

MAINTAIN AND PROTECT EXISTING UTILITY MANHOLE (TYP.).

MATCH INTO EXISTING CURB AND PAVEMENT ELEVATIONS (TYP.).

SLOPE 3:1 (MAX) FROM BERM TO MATCH INTO PROPOSED ELEVATIONS (TYP.).

STMH 100

STMH 103

SAMH 102

STMH 101

STMH 102

SAMH 103

CBMH 100

CBMH 101

CBMH 102

EFO4

CB_01

VB

100-YR PONDING LIMIT @ 93.79m

TIE INTO EXISTING PAVEMENT ELEVATIONS (TYP.). REINSTATE EXISTING PAVEMENT AS REQUIRED TO PRE-EXISTING CONDITIONS.

NEW 2 STOREY ADDITION
FFE=94.11m

EX. 2 STOREY EARL OF MARCH SECONDARY SCHOOL
FFE = 94.11m

MAINTAIN AND PROTECT EXISTING CB (TYP.).

TIE INTO EXISTING PAVEMENT ELEVATIONS (TYP.). REINSTATE EXISTING PAVEMENT AS REQUIRED TO PRE-EXISTING CONDITIONS.

MATCH INTO EXISTING CURB AND PAVEMENT ELEVATIONS (TYP.).

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SCALE: 1:300

Plot Date: 11/12/2024 Plot Time: 10:38:42 AMPlot By: TAN, JEFF Page Setup: Plotter: DWG TO PDF.PC3 PLOT STAMP FOR E/C USE ONLY

OTTAWA-CARLETON DISTRICT SCHOOL BOARD

ISSUE NO.	REV. NO.	DATE YY/MM/DD	ISSUE
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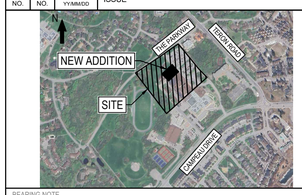

BEARING NOTE

ELEVATIONS SHOWN ARE GEODETIC AND ARE REFERRED TO GEODETIC DATUM CGVD-1928:1978.
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BENCHMARK #2 N:5020683.341 E:352210.407 Z:93.82
BENCHMARK #3 N:5020432.991 E:352406.889 Z:95.53

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PROJECT TITLE/TITRE DU PROJET
EARL OF MARCH
SCHOOL ADDITION

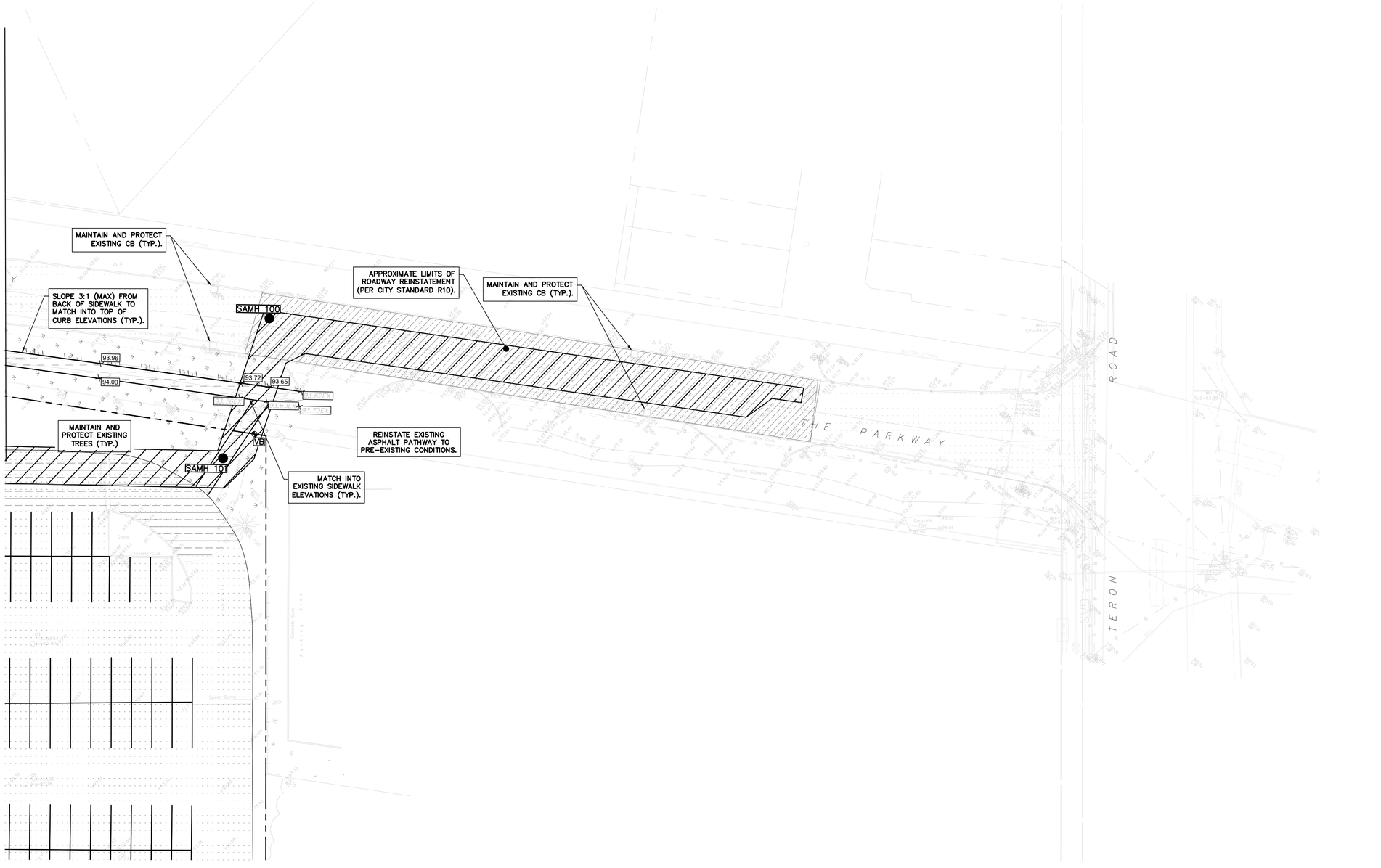
4 THE PARKWAY
OTTAWA, ON, K2K 1Y4

DRAWING TITLE/TITRE DU DESSIN

GRADING PLAN

SCALE ECHELLE	1:300	PROJ. No CA0020000.3018	ISSUE No 2	REV. No 0
DRAWN BY DESSINE PAR	ZA/JT	DRAWING/DESSIN		
CHECKED BY VERIFIE PAR	DY	C04A		
DATE	DECEMBER 2024	ACAD FILE/FICHIER:		

MATCHING LINE
SEE DRAWING C04A



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SCALE: 1:300

OTTAWA-CARLETON
DISTRICT SCHOOL BOARD

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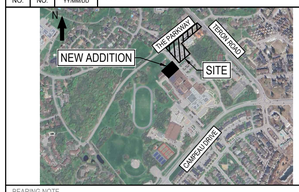

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4 THE PARKWAY
OTTAWA, ON, K2K 1Y4

DRAWING TITLE/TITRE DU DESSIN

GRADING PLAN

SCALE / ECHELLE	1:300	PROJ. No CA0020000.3018	ISSUE No 2	REV. No 0
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CHECKED BY / VERIFIE PAR	DY	**C04B**		
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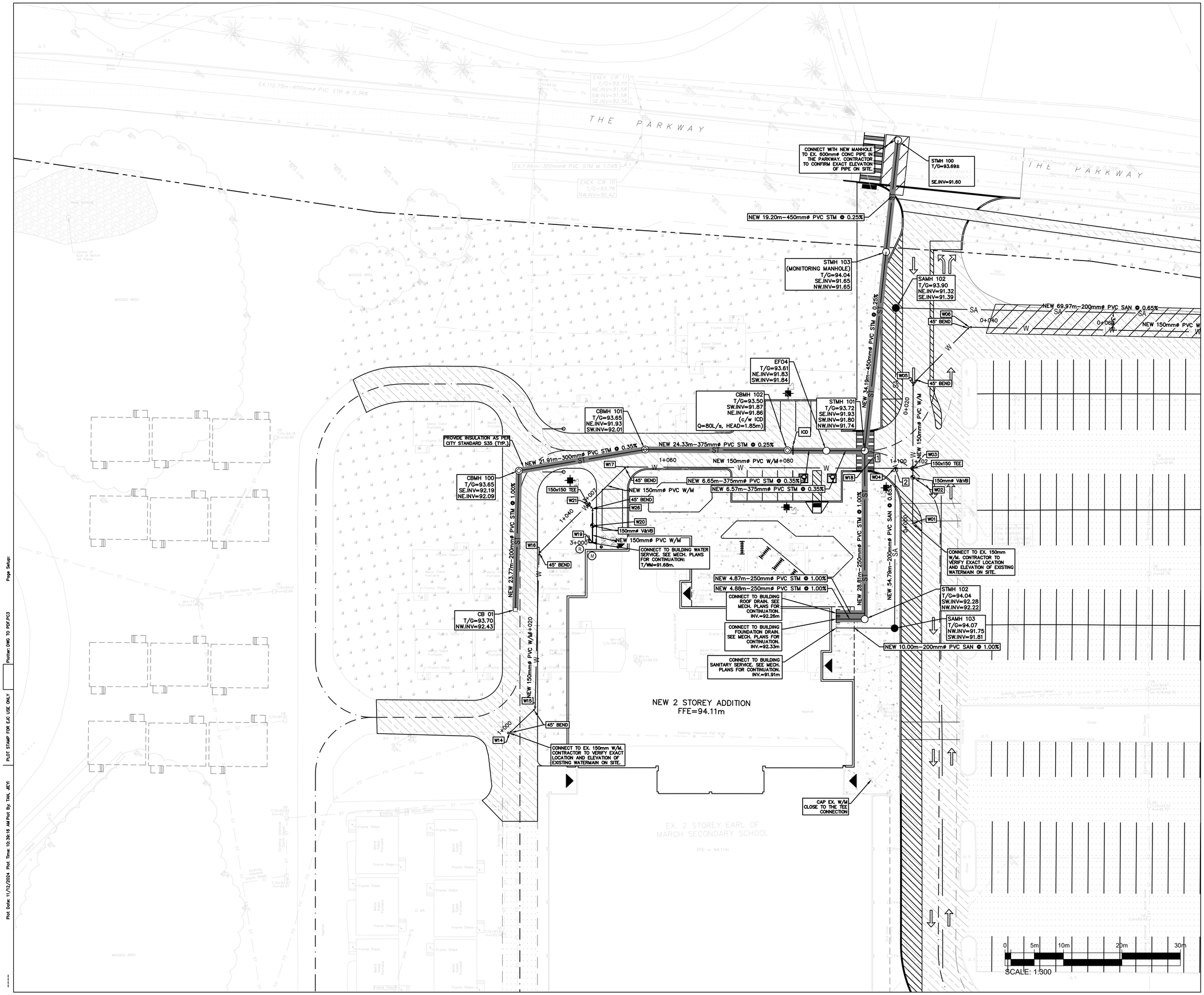

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OTTAWA-CARLETON
DISTRICT SCHOOL BOARD

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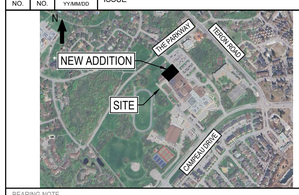

BEARING NOTE

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BENCHMARK #3 N:5020432.991 E:352406.889 Z:95.53

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PROJECT TITLE/TITRE DU PROJET
EARL OF MARCH
SCHOOL ADDITION

4 THE PARKWAY
OTTAWA, ON, K2K 1Y4

DRAWING TITLE/TITRE DU DESSIN

SERVICING PLAN

SCALE / ECHELLE	1:300	PROJ. No: CA0020000.3018	ISSUE No: 2 / REV. No: 0
DRAWN BY / DESSINE PAR	ZA/JT	DRAWING/DESSIN	
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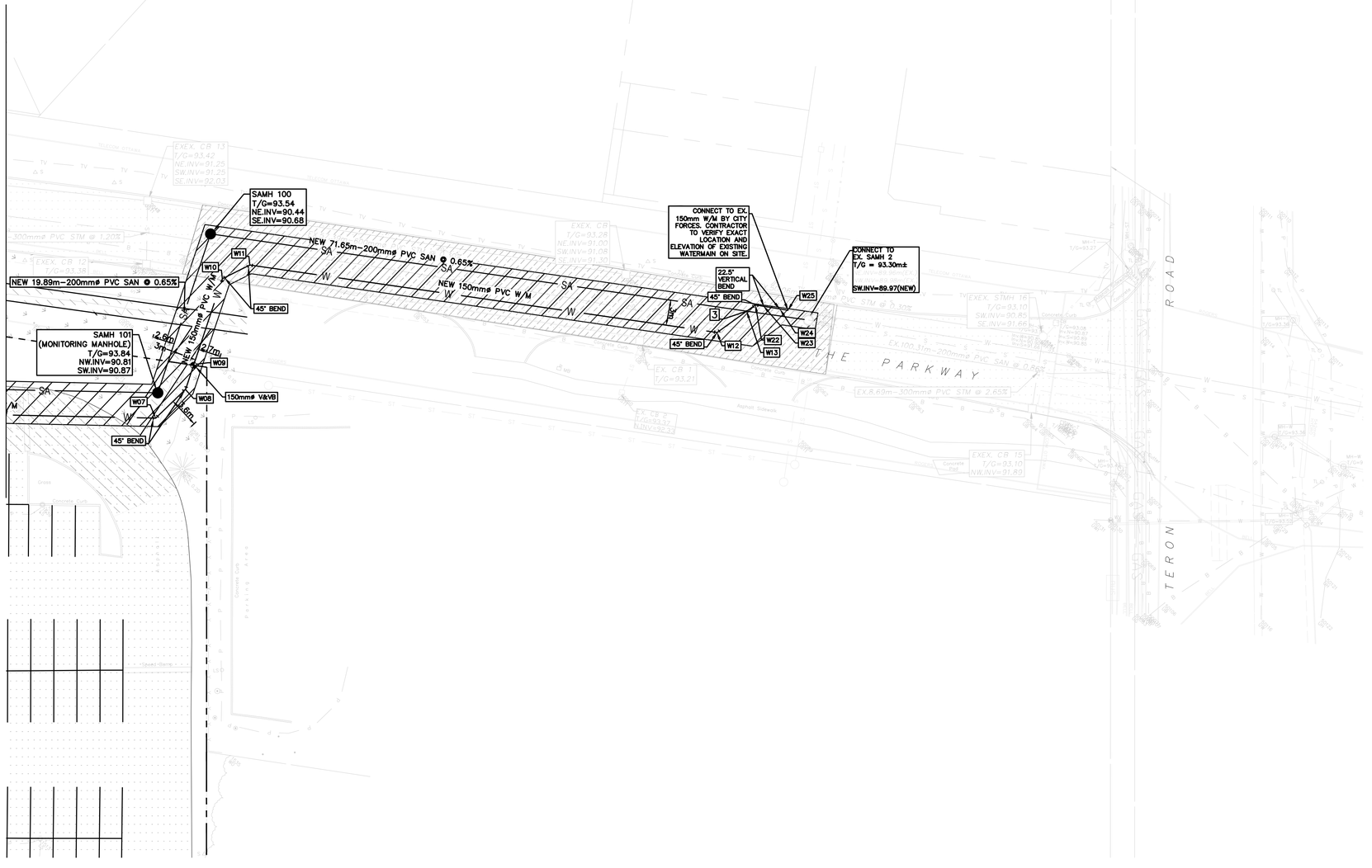
DATE	DECEMBER 2024	ACAD FILE/FICHIER:	

MATCHING LINE
SEE DRAWING C05A



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ISSUE NO.	REV. NO.	DATE YY/MM/DD	ISSUE
2		24/12/12	REVISED AS PER CITY COMMENTS
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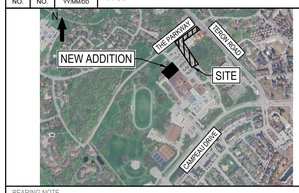

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PROJECT TITLE/TITRE DU PROJET
EARL OF MARCH
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4 THE PARKWAY
OTTAWA, ON, K2K 1Y4

DRAWING TITLE/TITRE DU DESSIN

SERVICING
PLAN

SCALE ECHELLE	1:300	PROJ. No CA0020000.3018	ISSUE No 2	REV. No 0
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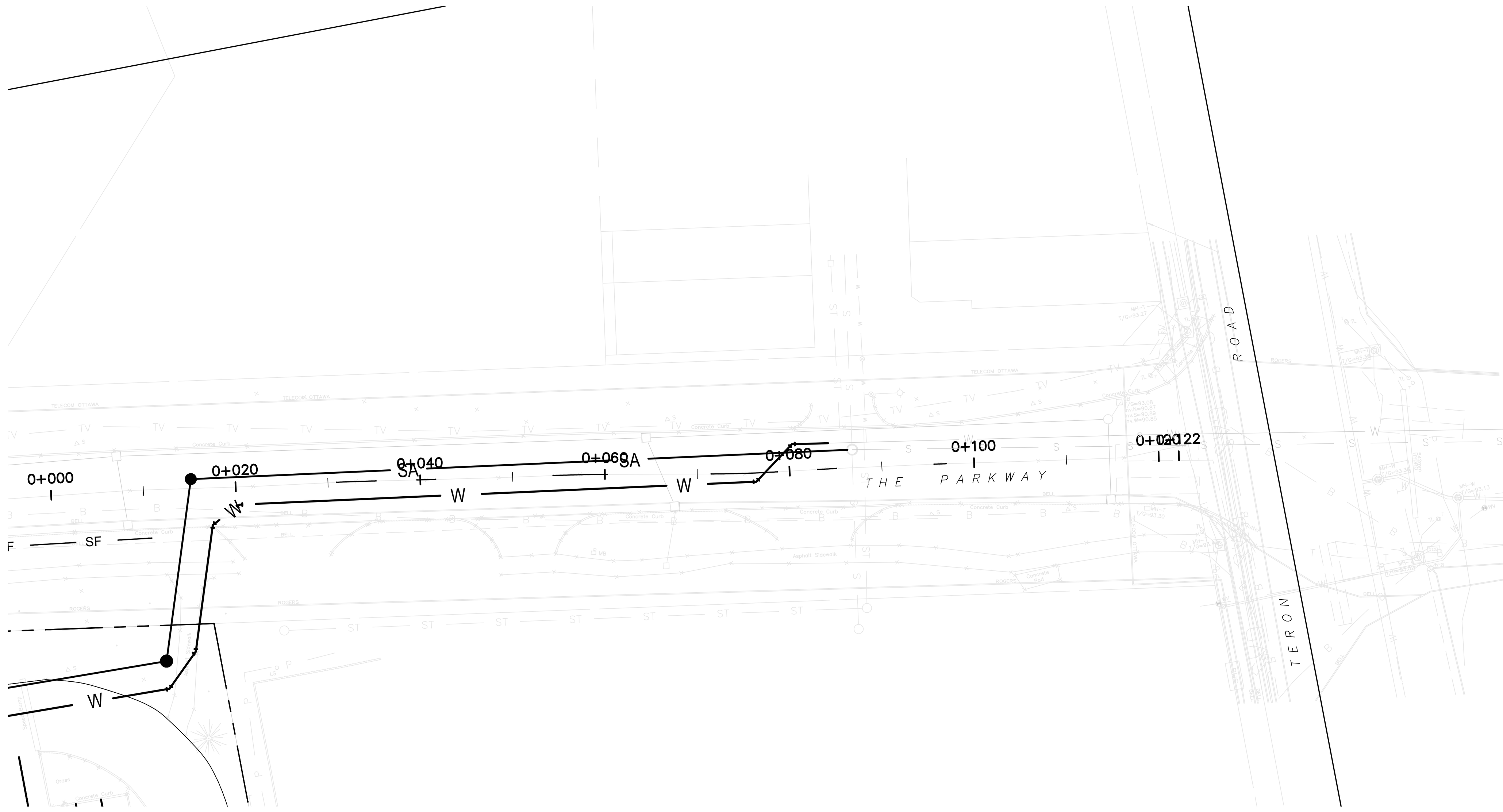

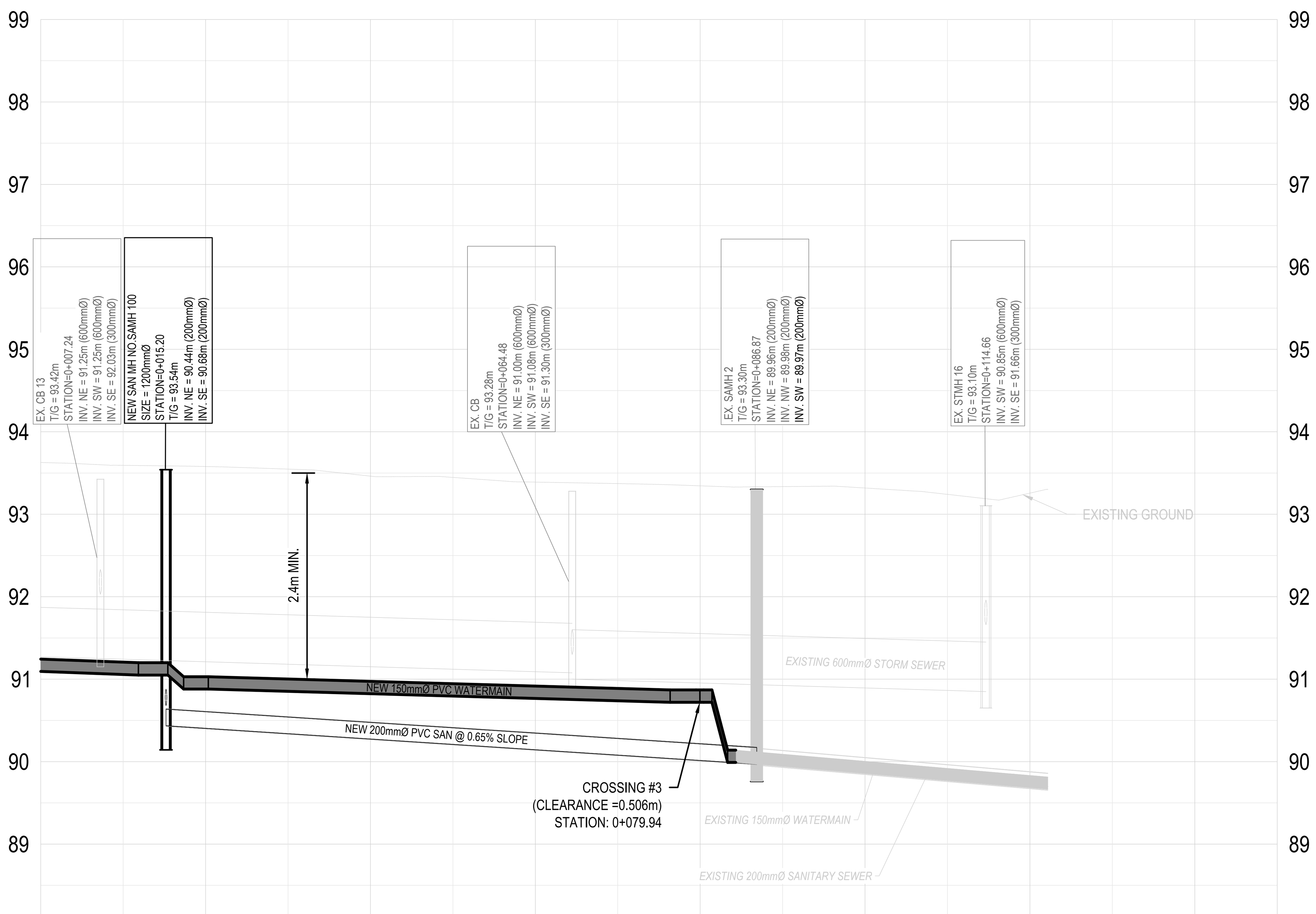

STATION	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+150 STATION
CENTERLINE GRADE (FINISHED / EXISTING)	93.63	93.58	93.46	93.39	93.34	93.32	93.26		CENTERLINE GRADE
STORM SEWER	91.48, 91.25, 91.25, 92.03	EX. 57.39m 600mmØ STM SEWER @ 0.30%		91.08, 91.00	EX. 50.06m 600mmØ STM SEWER @ 0.30%	90.85, 91.66			STORM SEWER INVERT
SANITARY SEWER	90.40	NEW 71.65m 200mmØ SAN SEWER @ 0.65%			89.97, 89.96	EX. 100.31m 200mmØ SAN @ 0.86%	89.10		SANITARY SEWER
TOP OF WATERMAIN	91.24, 0+011.85 45° BEND, 0+015.41 45° BEND, 0+017.33 45° BEND, 91.03	0+020.33 45° BEND, 90.97	90.92	0+076.36 45° BEND, 90.87	0+079.96 45° BEND, 0+081.43 22.5° VERTICAL BEND, 0+083.33 22.5° VERTICAL BEND, 90.01	89.83			TOP OF WATERMAIN

1 / C06 ROAD PROFILE OF PARKWAY

SCALE: H:1:500,V:1:50

OTTAWA-CARLETON DISTRICT SCHOOL BOARD

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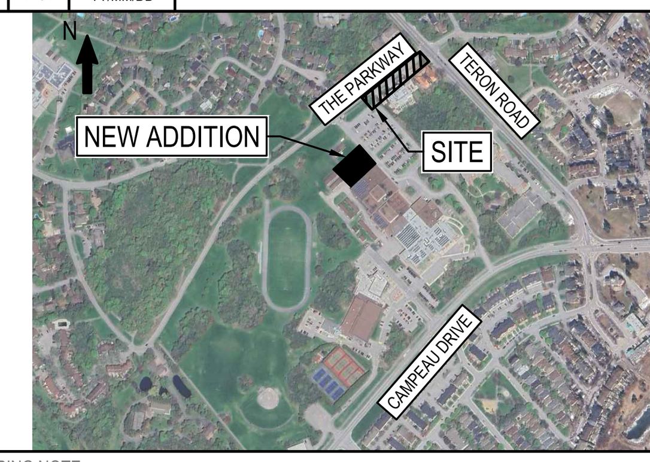

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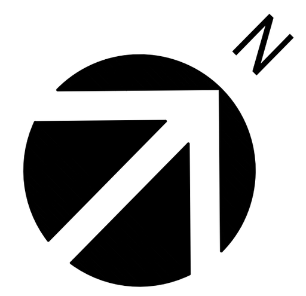

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EARL OF MARCH SCHOOL ADDITION

4 THE PARKWAY
OTTAWA, ON, K2K 1Y4

DRAWING TITLE/TITRE DU DESSIN

ROAD PROFILE

SCALE ECHELLE	1:500	PROJ. No CA0020000.3018	ISSUE No 2	REV. No 0
DRAWN BY DESSINE PAR	ZA/JT	DRAWING/DESSIN		
CHECKED BY VERIFIE PAR	DY	C06		
DATE	DECEMBER 2024	ACAD FILE/FICHIER:		

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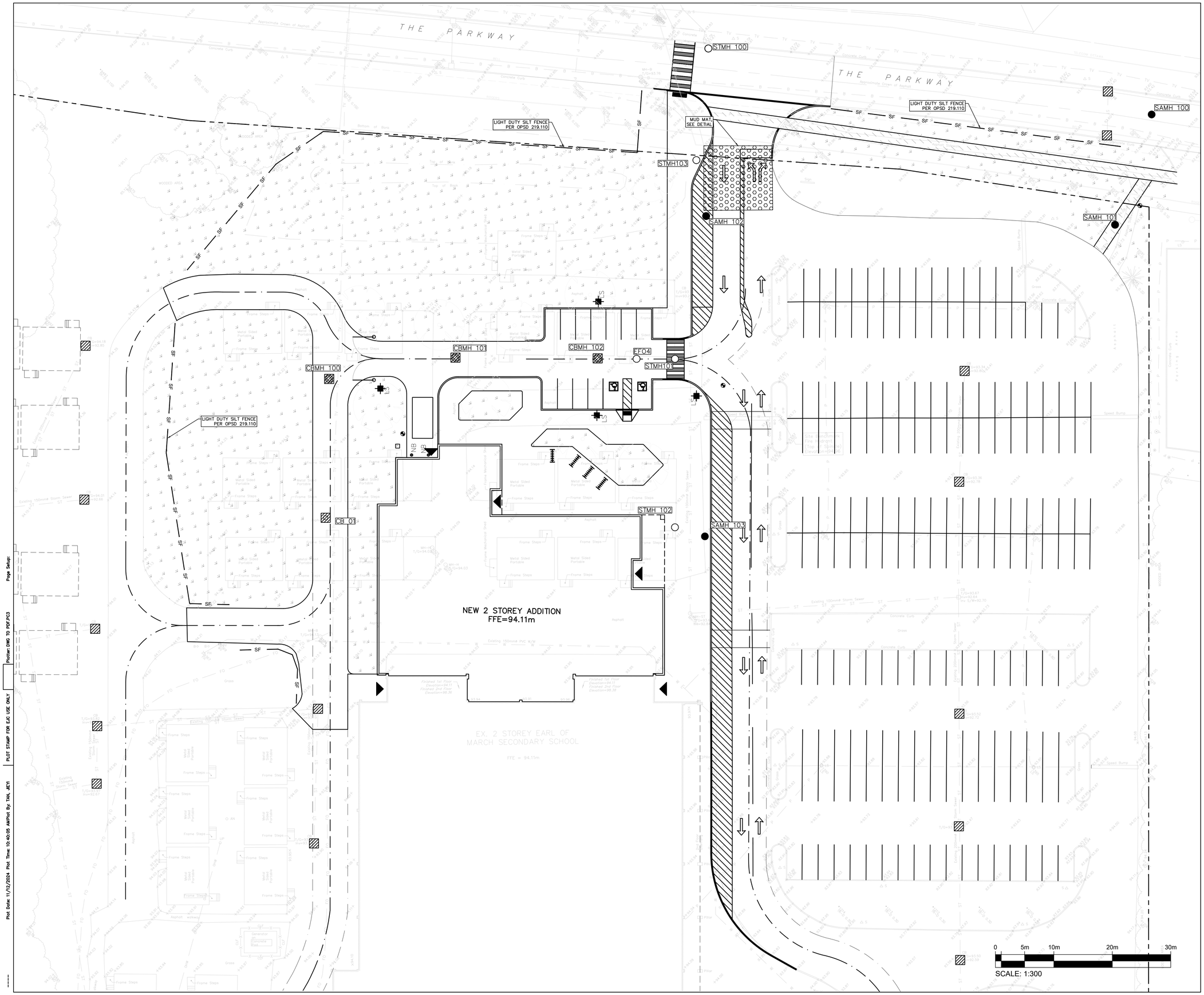

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OTTAWA-CARLETON DISTRICT SCHOOL BOARD

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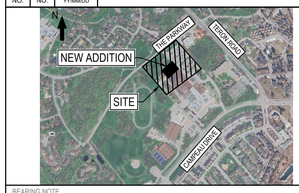

BEARING NOTE

ELEVATIONS SHOWN ARE GEODETIC AND ARE REFERRED TO GEODETIC DATUM CGVD-1928:1978.
(MONUMENT NO. 19707/65)
BENCHMARK #1 N:5020636.734 E:352184.396 Z:94.96
BENCHMARK #2 N:5020583.341 E:352210.407 Z:93.82
BENCHMARK #3 N:5020432.991 E:352406.889 Z:95.53

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100230568
2024-12-12
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PROJECT TITLE/TITRE DU PROJET
EARL OF MARCH
SCHOOL ADDITION

4 THE PARKWAY
OTTAWA, ON, K2K 1Y4

DRAWING TITLE/TITRE DU DESSIN

EROSION AND SEDIMENT CONTROL PLAN

SCALE / ECHELLE	1:300	PROJ. No CA0020000.3018	ISSUE No 2 / REV. No 0
DRAWN BY / DESSINE PAR	ZA/JT	DRAWING/DESSIN	
CHECKED BY / VERIFIE PAR	DY	C07A	
DATE	DECEMBER 2024	ACAD FILE/FICHIER:	

MATCHING LINE
SEE DRAWING C07A

0 5m 10m 20m 30m

SCALE: 1:300

Plot Date: 11/12/2024 Plot Time: 10:40:19 AM Plot By: TAN, JEET | PLOT STAMP FOR EJC USE ONLY | Plotter: DWG TO PDF.PC3 | Page Setup: | ----

OTTAWA-CARLETON
DISTRICT SCHOOL BOARD

ISSUE NO.	REV. NO.	DATE YY/MM/DD	ISSUE
2		24/12/12	REVISED AS PER CITY COMMENTS
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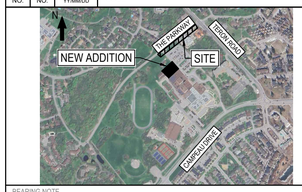

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OTTAWA, ON, K2K 1Y4

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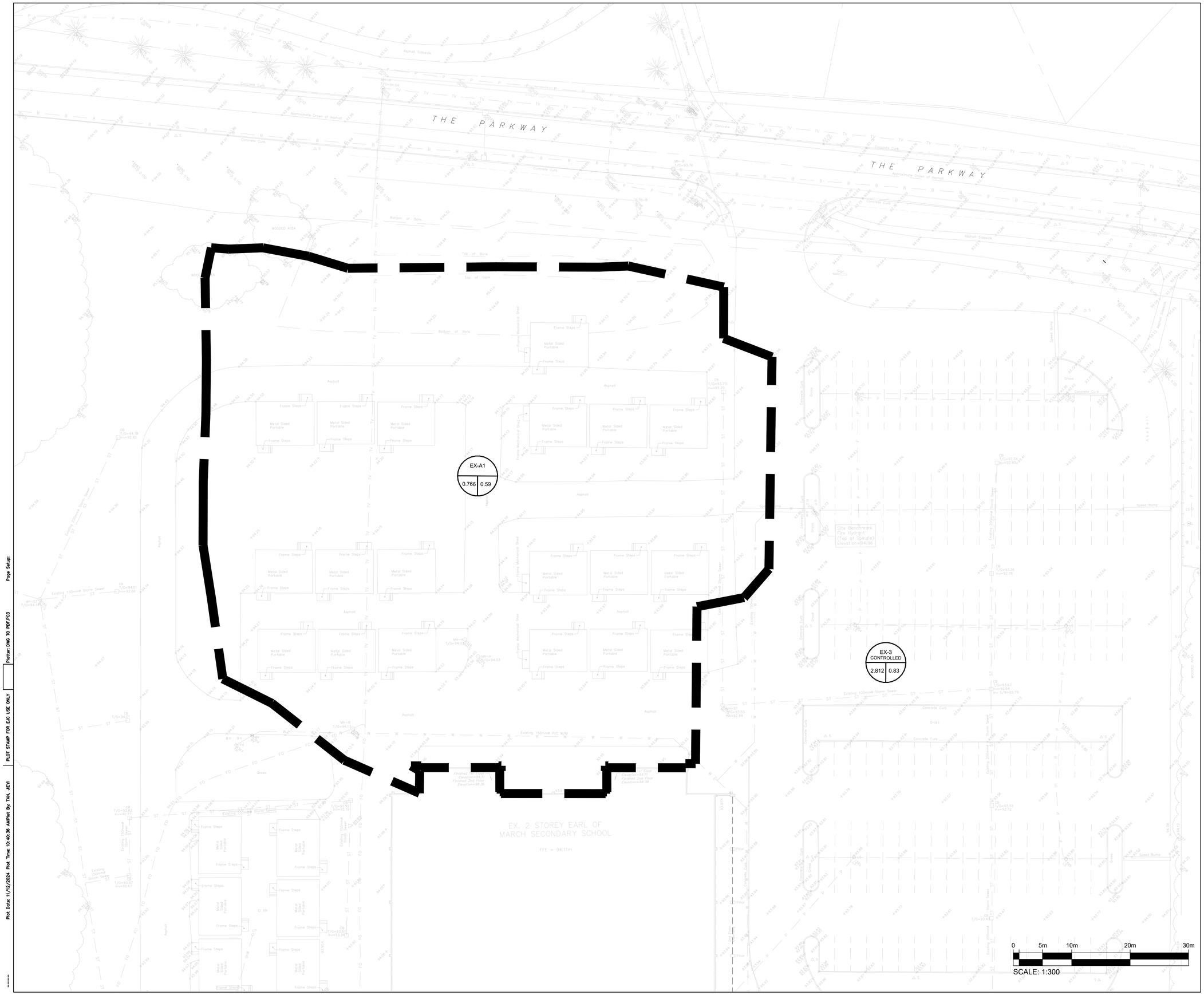
EROSION AND SEDIMENT CONTROL PLAN

SCALE / ECHELLE: 1:300		PROJ. No: CA0020000.3018	ISSUE No: 2	REV. No: 0
DRAWN BY / DESSINE PAR: ZA/JT		DRAWING/DESSIN: C07B		
CHECKED BY / VERIFIE PAR: DY				
DATE: DECEMBER 2024		ACAD FILE/FICHIER:		



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Plotter: DWG TO PDF.PC3
Page Setup:

OTTAWA-CARLETON
DISTRICT SCHOOL BOARD

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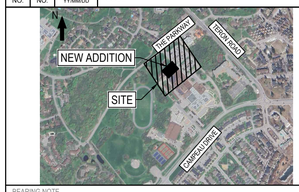

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4 THE PARKWAY
OTTAWA, ON, K2K 1Y4

DRAWING TITLE/TITRE DU DESSIN

PRE-DEVELOPMENT DRAINAGE AREA PLAN

SCALE / ECHELLE	1:300	PROJ. No CA0020000.3018	ISSUE No 2	REV. No 0
DRAWN BY / DESSINE PAR	ZA/JT	DRAWING/DESSIN		
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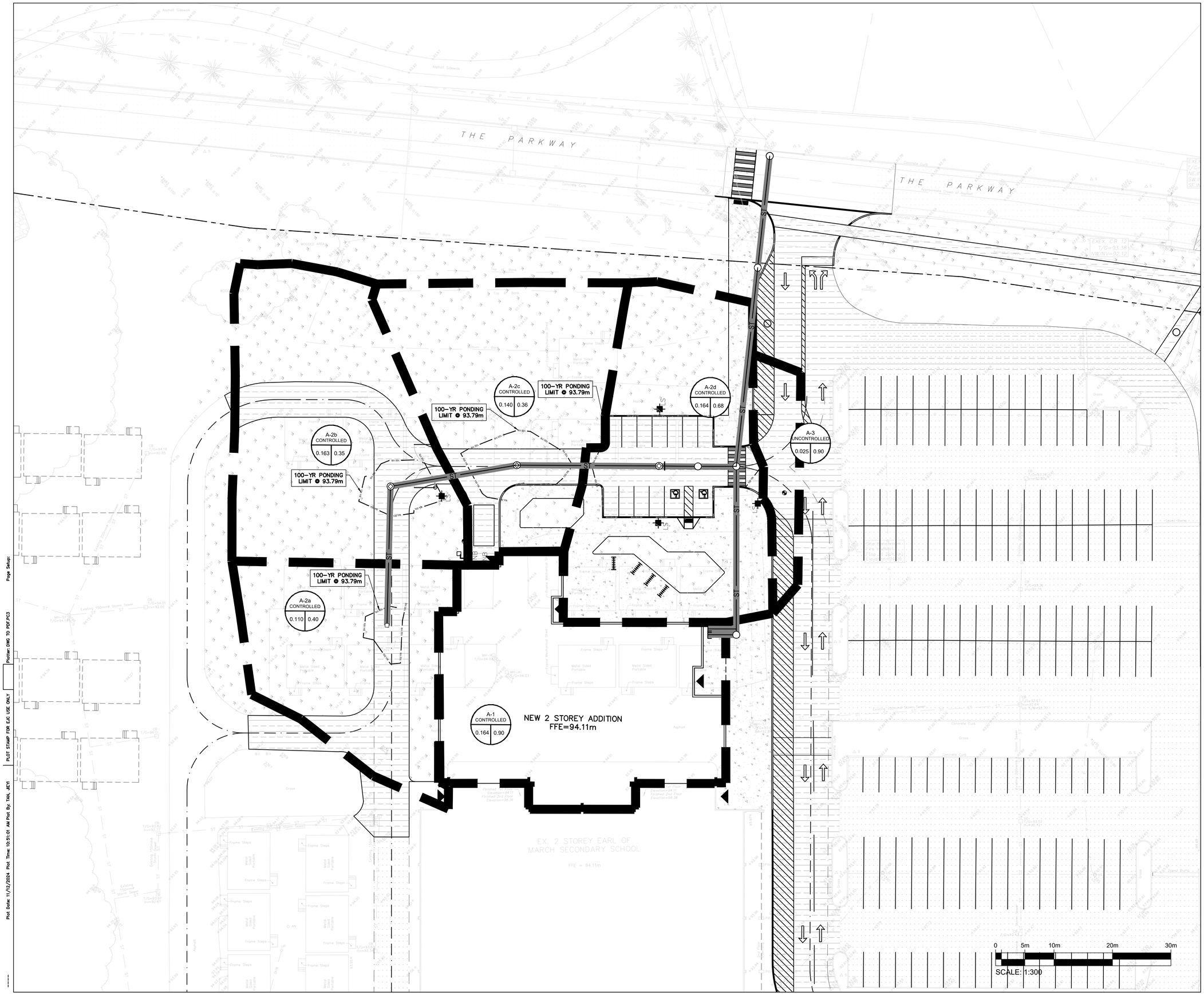
DATE	DECEMBER 2024	ACAD FILE/FICHIER:		



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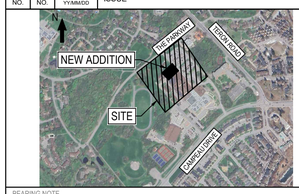

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PROJECT TITLE/TITRE DU PROJET
EARL OF MARCH
SCHOOL ADDITION

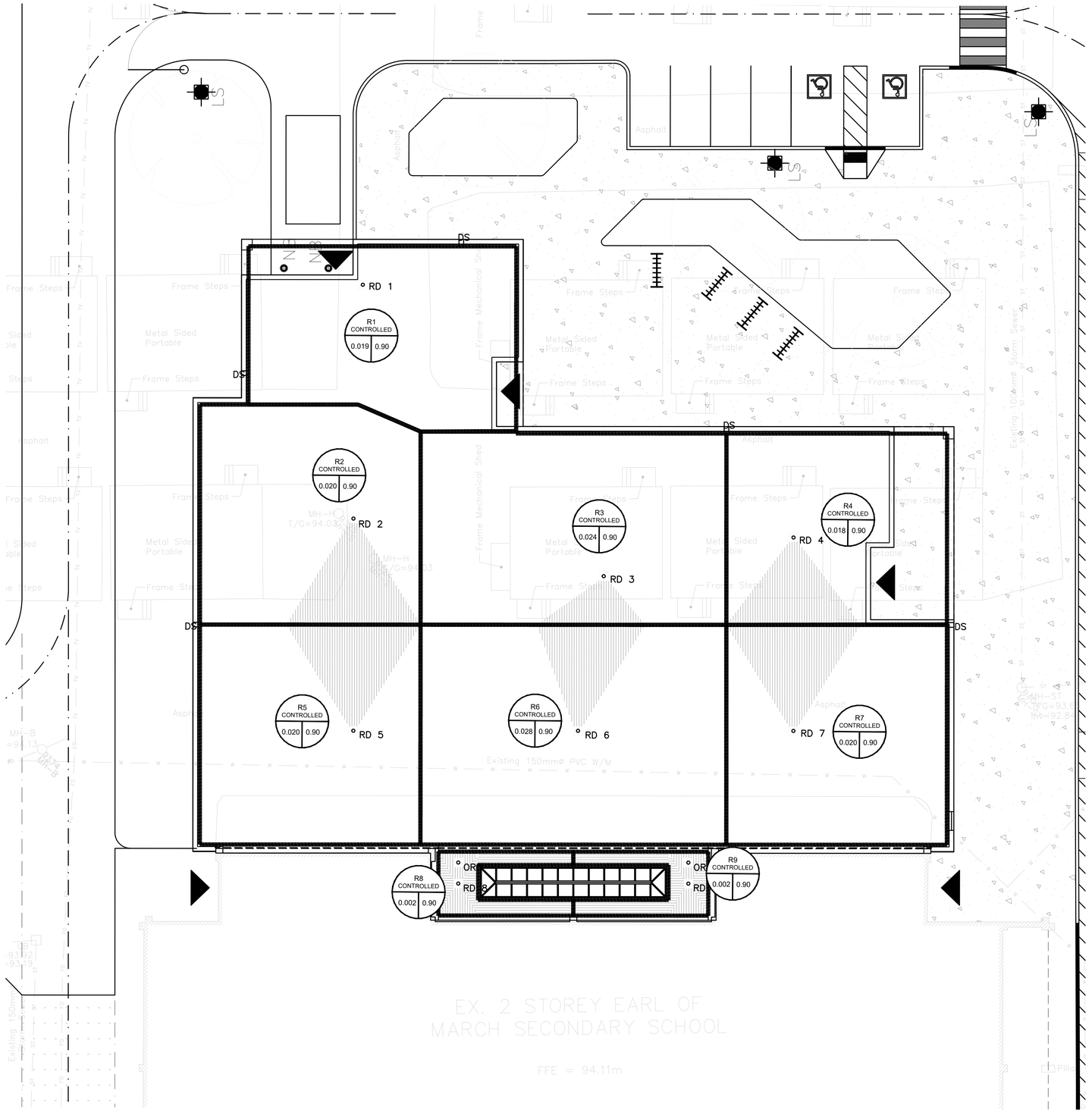
4 THE PARKWAY
OTTAWA, ON, K2K 1Y4

DRAWING TITLE/TITRE DU DESSIN

POST-DEVELOPMENT DRAINAGE AREA PLAN

SCALE / ECHELLE	1:300	PROJ. No	ISSUE No	REV. No
		CA0020000.3018	2	0
DRAWN BY / DESSINE PAR	ZA/JT	DRAWING/DESSIN		
CHECKED BY / VERIFIE PAR	DY	C09		
DATE	DECEMBER 2024	ACAD FILE/FICHIER:		

Roof Drain	Area (m^2)	Depth (m)	Theoretical Rooftop Storage Volume (m^3)	Storage Volume (m^3)	Max Flow Rate (L/s)
1	190	0.15	9.5	7.6	1.3
2	200	0.15	10.0	8.0	1.3
3	240	0.15	12.0	9.6	1.3
4	180	0.15	9.0	7.2	1.3
5	200	0.15	10.0	8.0	1.3
6	280	0.15	14.0	11.2	1.3
7	200	0.15	10.0	8.0	1.3
8	20	0.15	1.0	0.8	1.3
9	20	0.15	1.0	0.8	1.3
Total	**1530**			**61.2**	**11.5**



0 5m 10m

SCALE: 1:150

WATTS | Adjustable Accutrol Weir Tag: _____ | Adjustable Flow Control for Roof Drains

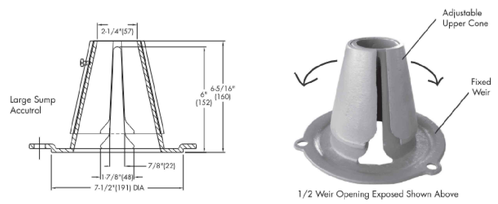
ADJUSTABLE ACCUTROL (for Large Sump Roof Drains only)

For more flexibility in controlling flow with heads deeper than 2", Watts Drainage offers the Adjustable Accutrol. The Adjustable Accutrol Weir is designed with a single parabolic opening that can be covered to restrict flow above 2" of head to less than 5 gpm per inch, up to 6" of head. To adjust the flow rate for depths over 2" of head, set the slot in the adjustable upper cone according to the flow rate required. Refer to Table 1 below.
Note: Flow rates are directly proportional to the amount of weir opening that is exposed.

EXAMPLE:

For example, if the adjustable upper cone is set to cover 1/2 of the weir opening, flow rates above 2"of head will be restricted to 2-1/2 gpm per inch of head.

Therefore, at 3"of head, the flow rate through the Accutrol Weir that has 1/2 the slot exposed will be:
[5 gpm (per inch of head) x 2 inches of head] + 2-1/2 gpm (for the third inch of head) = 12-1/2 gpm.



1/2 Weir Opening Exposed Shown Above

TABLE 1. Adjustable Accutrol Flow Rate Settings

Weir Opening Exposed	1"	2"	3"	4"	5"	6"
	Flow Rate (gallons per minute)					
Fully Exposed	5	10	15	20	25	30
3/4	5	10	13.75	17.5	21.25	25
1/2	5	10	12.5	15	17.5	20
1/4	5	10	11.25	12.5	13.75	15
Closed	5	5	5	5	5	5

Job Name _____ Contractor _____
Job Location _____ Contractor's P.O. No. _____
Engineer _____ Representative _____

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.

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ES-WD-RD-ACCUTROLADJ-CAN 1615

OTTAWA-CARLETON DISTRICT SCHOOL BOARD

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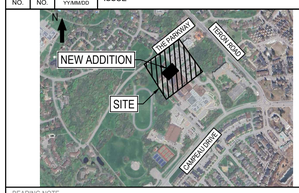

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EARL OF MARCH
SCHOOL ADDITION

4 THE PARKWAY
OTTAWA, ON, K2K 1Y4

DRAWING TITLE/TITRE DU DESSIN

ROOF DRAINAGE AREA PLAN

SCALE / ECHELLE	1:150	PROJ. No CA0020000.3018	ISSUE No 2	REV. No 0
DRAWN BY / DESSINE PAR	ZA/JT	DRAWING/DESSIN		
CHECKED BY / VERIFIE PAR	DY	C10		
DATE	DECEMBER 2024	ACAD FILE/FICHIER:		

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