NOTES: 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 POWER, COMMUNICATION AND 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 AND AS PER THE RECOMMENDATIONS INCLUDED IN THE GEOTECHNICAL REPORT.
6. REFER TO ARCHITECTS PLANS FOR BUILDING DIMENSIONS, 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 ANNIS, O'SULLIVAN, VOLLEBEKK LTD. DATED ON JULY 31, 2018. 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 CATCH BASIN 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. ALL RESTORATION SHALL BE COMPLETED WITH THE GEOTECHNICAL REQUIREMENTS FOR BACKFILL AND COMPACTION.
12. ABUTTING PROPERTY GRADES TO BE MATCHED UNLESS OTHERWISE SHOWN.
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. CONTRACTOR TO OBTAIN POST-CONSTRUCTION TOPOGRAPHIC SURVEY, COMPLETED BY OLS OR P.ENG CONFIRMING COMPLIANCE WITH DESIGN GRADING AND SERVICING. SURVEY IS TO INCLUDE LOCATION AND INVERTS FOR BURIED UTILITIES.
18. ABIDE BY RECOMMENDATIONS OF GEOTECHNICAL REPORT. REPORT ANY VARIATIONS IN OBSERVED CONATIONS FROM THOSE INCLUDED IN REPORT.
19. REPORT REFERENCES
    i. DESIGN BRIEF, PREPARED BY IBI GROUP, PROJ. NO. 27970-5.2.2, JULY 14, 2017
    ii. PRELIMINARY GEOTECHNICAL INVESTIGATION, PREPARED BY EXP SERVICES INC, PROJ. NO. OTT-00245378-E0, JUNE 20, 2018
20. PROVIDE CCTV INSPECTION REPORT FOR ALL SEWERS AND CATCHBASIN LEADS 200mm DIAMETER AND LARGER. REPEAT CCTV INSPECTION FOLLOWING RECTIFICATION OF ANY DEFICIENCIES.

NOTES: 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.

NOTES: SANITARY SEWER AND MANHOLES

9. 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. PROVIDE DYE TESTING FOR NEW SERVICES.
10. 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.
11. SEWER BEDDING AS PER CITY OF OTTAWA DETAIL S6.
12. 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.
13. MAINTENANCE HOLE BENCHING AND PIPE OPENING ALTERNATIVES AS PER THE OPSD 701.021
14. ANY SANITARY SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD W22, OR APPROVED BY THE ENGINEER.

NOTES: STORM SEWERS AND STRUCTURES

15. 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.
16. STORM SEWERS 450mm DIAMETER AND SMALLER SHALL BE PVC SDR-35, WITH RUBBER GASKET PER CSA A-257.3.
17. STORM SEWER LARGER THAN 450mm SHALL BE REINFORCED CONCRETE CLASS 100.
18. SEWER BEDDING AS PER CITY OF OTTAWA DETAIL S6.
19. ALL STORM MANHOLES TO BE AS PER STORM STRUCTURE TABLE ON DRAWING C02.
20. 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. ADD INSULATION ABOVE EXISTING STORM SEWER BETWEEN CBMH109 AND CB114.
21. CB IN LANDSCAPE AREAS SHALL BE AS PER CITY OF OTTAWA STANDARD S29, S30 AND S31.
22. ALL CATCHBASIN LEADS TO BE MINIMUM 200mm DIAMETER AT MINIMUM 1.0% SLOPE UNLESS OTHERWISE SPECIFIED.
23. 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.
24. INSTALLATION OF FLOW CONTROL ICD'S TO BE VERIFIED BY QUALITY VERIFICATION ENGINEER RETAINED BY CONTRACTOR.

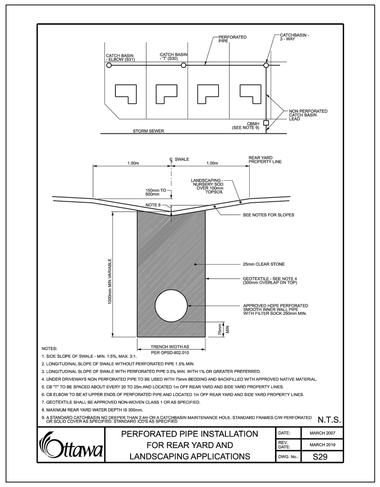
NOTES: PARKING LOT AND WORK IN PUBLIC RIGHTS OF WAY

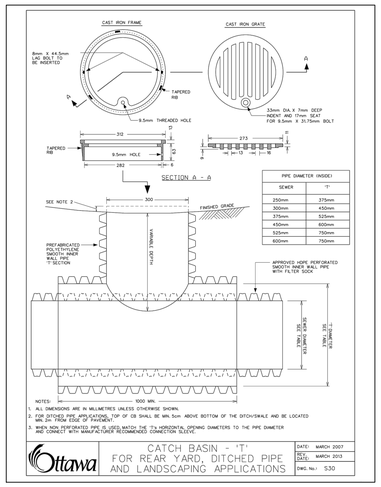
1. CONTRACTOR TO REINSTATE ROAD CUTS AS PER CITY OF OTTAWA DETAIL R10.
2. CONTRACTOR TO PREPARE SUBGRADE, INCLUDING PROOFROLLING, TO THE SATISFACTION OF THE GEOTECHNICAL CONSULTANT PRIOR TO THE COMMENCEMENT OF PLACEMENT OF GRANULAR B MATERIAL.
3. FILL TO BE PLACED AND COMPACTED PER THE GEOTECHNICAL REPORT REQUIREMENTS.
4. CONTRACTOR TO SUPPLY, PLACE AND COMPACT GRANULAR B MATERIAL IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL CONSULTANT. CONTRACTOR TO PROVIDE CONSULTANT WITH SAMPLES OF GRANULAR B MATERIAL FOR TESTING AND CERTIFICATION FROM THE GEOTECHNICAL CONSULTANT THAT THE MATERIAL MEETS THE GRADATION REQUIREMENTS SPECIFIED IN THE GEOTECHNICAL REPORT.
5. GRANULAR A MATERIAL TO BE PLACED ONLY UPON APPROVAL BY THE GEOTECHNICAL CONSULTANT OF GRANULAR B PLACEMENT.
6. 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.
7. ASPHALT MATERIAL TO BE PLACED ONLY UPON APPROVAL BY THE GEOTECHNICAL CONSULTANT OF GRANULAR A PLACEMENT.
8. 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.
9. CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING LINE AND GRADE IN ACCORDANCE WITH THE PLANS, AND FOR PROVIDING THE CONSULTANT WITH VERIFICATION PRIOR TO PLACEMENT.
10. 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.
11. PAVEMENT STRUCTURE (MATERIAL TYPES AND THICKNESS) FOR HEAVY DUTY, LIGHT DUTY AND BASKETBALL COURT AREAS TO BE AS SPECIFIED IN THE GEOTECHNICAL REPORT AND SHOWN ON THE PLANS.

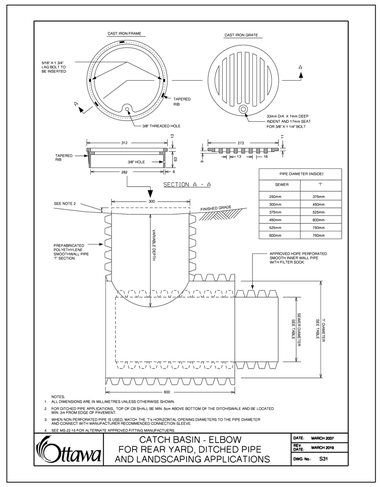
NOTES: EROSION AND SEDIMENT CONTROL

** 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 ON DWG C12.
   - 1.2. INSTALL FILTER FABRIC OR SILT SACK FILTERS IN ALL THE CATCHBASINS AND MANHOLES TO REMAIN DURING CONSTRUCTION WITHIN THE SITE (SEE TYPICAL DETAIL).
   - 1.3. INSPECT MEASURES IMMEDIATELY AFTER INSTALLATION.
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. DRAWING TO BE REVIEWED AND REVISED AS REQUIRED DURING CONSTRUCTION.
   - 2.7. EROSION CONTROL FENCING TO BE ALSO INSTALLED AROUND THE BASE OF ALL STOCKPILES.
   - 2.8. 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).
   - 2.9. 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).
   - 2.10. NO ALTERNATE METHODS OF EROSION PROTECTION SHALL BE PERMITTED UNLESS APPROVED BY THE FIELD ENGINEER.
   - 2.11. CITY ROADWAY AND SIDEWALK TO BE CLEANED OF ALL SEDIMENT FROM VEHICULAR TRACKING AS REQUIRED.
   - 2.12. DURING WET CONDITIONS, TIRES OF ALL VEHICLES/EQUIPMENT LEAVING THE SITE ARE TO BE SCRAPED.
   - 2.13. ANY MUD/MATERIAL TRACKED ONTO THE ROAD SHALL BE REMOVED IMMEDIATELY BY HAND OR RUBBER TIRE LOADER.
   - 2.14. 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.
   - 2.15. 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.
   - 2.16. 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.







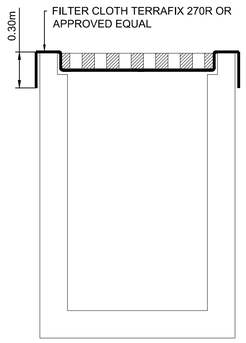
PAVEMENT DESIGN – REFER TO DRAWING A001 FOR LOCATIONS

(REFER TO PRELIMINARY GEOTECHNICAL INVESTIGATION: OTT-00245378-E0 TABLE NO. III, PROVIDED BY EXP. SERVICES INC. DATED JUNE 20, 2018 FOR SITE PAVEMENT DESIGN RECOMMENDATIONS.)

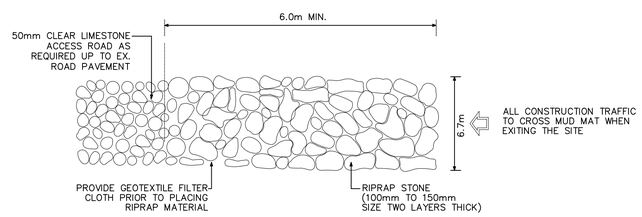
Table No. III: Recommended Pavement Structure Thicknesses for Running Tracks, Playground, Light & Heavy Duty Pavement

Pavement Layer	Compaction Requirements	Computed Pavement Structure			
		Running Tracks and Unpaved Pathways	Asphalt Paths	Light Duty (Cars Only)	Heavy Duty (Bus & Truck Routes)
Asphaltic Concrete (PG 58-34)	92-96% MRD	-	50mm SC	65mm SC	50mm SC 60mm BC
Stone Dust	100% SPMDD	75mm	—	-	-
OPSS 1010 Granular 'A' Base (crushed limestone)	100% SPMDD*	NA	150mm	150mm	150mm
OPSS 1010 Granular 'B' II Sub-Base	100% SPMDD**	300mm	200mm	450mm**	600mm**
Subgrade	Engineered Fill/approved Fill as per specifications or Native Subgrade Material				

Notes:
*SPMDD denotes standard Proctor maximum dry density, ASTM, D-698.
MRD denotes Maximum Relative Density, ASTM D2041.
The upper 300mm of the subgrade fill must be compacted to 98% SPMDD.
SC Denotes Surface course asphalt and may comprise of Marshall HL3 Mix or SP 12.5mm (Cat C) Superpave Mix. BC Denotes Base course asphalt and may comprise of Marshall HL8 Mix or SP 19mm (Cat C) Superpave Mix.

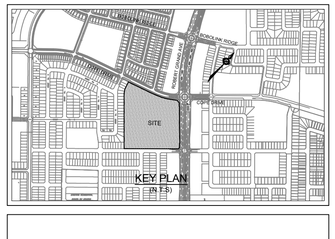


FILTER CLOTH CATCHBASIN OR MANHOLE SEDIMENT CONTROL DEVICE
(NTS)



MUD MAT DETAIL - PLAN VIEW
(NTS)

OTTAWA–CARLETON
DISTRICT SCHOOL BOARD



ISSUE NO.	REV. NO.	DATE YY/MM/DD	ISSUE
1	0	19/07/24	ISSUED FOR SITE PLAN APPLICATION

REGISTERED PROFESSIONAL ENGINEER
D. B. YANG
100230568
2019-07-24
PROVINCE OF ONTARIO

REGISTERED PROFESSIONAL ENGINEER
J. C. JOHNSTON
2019-07-24
PROVINCE OF ONTARIO

NOT VALID UNLESS SIGNED AND DATED

wsp
300-2611 QUEENSVIEW DRIVE
OTTAWA ONTARIO CANADA K2B 8K2
TEL.: 1-613-829-2800 | FAX: 1-613-829-8299 | WWW.WSPGROUP.COM

PROJECT TITLE/TITRE DU PROJET
NEW STITTSVILLE HIGH SCHOOL
700 COPE DRIVE
STITTSVILLE, ON

OTTAWA CARLETON DISTRICT SCHOOL BOARD
NEPEAN, ON K2H 6L3
133 GREENBANK ROAD

DRAWING TITLE/TITRE DU DESSIN
NOTES AND DETAILS

SCALE / ECHELLE	AS SHOWN	PROJ. No	ISSUE No.	REV. No
		19M-00179-00	1	1
DRAWN BY / DESSINE PAR	D.B.Y.	DRAWING/DESSIN		
CHECKED BY / VERIFIE PAR	J.J.	C01		
DATE	2019-05-17	ACAD FILE/FICHIER: 19M-00179-00_CIVIL.DWG		

CATCHBASIN/CATCHBASIN MANHOLE AND ICD DATA TABLE

STRUCTURE ID	AREA ID	STRUCTURE	COVER	TOP OF GRATE	INVERT				DIAMTER (mm)	TYPE	HEAD	FLOW	ICE TYPE
					INLET	INLET	INLET	OUTLET					
CB101	S145	OPSD 705.010	S19.1	107.55				104.962	200	PVC SDR-35			
CB102	S144	OPSD 705.010	S19.1	107.55				104.847	200	PVC SDR-35			
CB103	S143	OPSD 705.010	S19.1	107.55				105.082	200	PVC SDR-35			
CB104	S142	OPSD 705.010	S19.1	107.55				104.957	200	PVC SDR-35			
CB105	S141	OPSD 705.010	S19.1	107.55				105.201	200	PVC SDR-35			
CB106	S140	OPSD 705.010	S19.1	107.55				105.066	200	PVC SDR-35			
CB107	S139	OPSD 705.010	S19.1	107.55				105.396	200	PVC SDR-35			
CB108	S136	OPSD 705.010	S19.1	107.60				104.845	200	PVC SDR-35			
CB109	S135	OPSD 705.010	S19.1	107.65				105.099	200	PVC SDR-35			
CB110	S134	OPSD 705.010	S19.1	107.55				105.092	200	PVC SDR-35			
CB111	S133	OPSD 705.010	S19.1	107.65				105.217	200	PVC SDR-35			
CB112	S131	OPSD 705.010	S19.1	107.60				105.330	200	PVC SDR-35			
CB113	S132	OPSD 705.010	S19.1	107.65				105.332	200	PVC SDR-35			
CB114	S124	OPSD 705.010	S19.1	107.55				106.219	200	PVC SDR-35			
CB115	S123	OPSD 705.010	S19.1	107.55				104.999	200	PVC SDR-35			
CB116	S119	OPSD 705.010	S19.1	107.55				105.171	200	PVC SDR-35			
CB117	S117	OPSD 705.010	S19.1	107.55				105.257	200	PVC SDR-35			
CB118	S115	OPSD 705.010	S19.1	107.55				105.378	200	PVC SDR-35			
CB119	S147	OPSD 705.010	S19.1	107.55				104.822	200	PVC SDR-35			
CB120	S113	OPSD 705.010	S19.1	107.55				105.151	200	PVC SDR-35			
CB121	S110	OPSD 705.010	S19.1	107.55				105.504	200	PVC SDR-35			
CB122	S104	OPSD 705.010	S19.1	107.55				105.574	200	PVC SDR-35			
CB123	S102	OPSD 705.010	S19.1	107.55				105.452	200	PVC SDR-35			
CB124	S101	OPSD 705.010	S19.1	107.55				105.297	200	PVC SDR-35			
CB125	S151	OPSD 705.010	S19.1	107.72				105.040	200	PVC SDR-35			
CB126	S150	OPSD 705.010	S19.1	107.62				105.074	200	PVC SDR-35			
CBMH101	S149	OPSD 701.011	S28.1	107.73	104.547	104.672	104.172	104.097	825	CONC. CL 100-D	3.49	720.80	430mm dia. CIRC ORIFICE
CBMH103	S138	OPSD 701.010	S28.1	107.55				104.942	200	PVC SDR-35			
CBMH104	S137	OPSD 701.011	S28.1	107.55	104.654	104.234	104.579	104.204	750	CONC. CL 100-D			
CBMH105	S130	OPSD 701.011	S28.1	107.55	104.758	104.333	104.708	104.258	750	CONC. CL 100-D			
CBMH106	S129	OPSD 701.010	S28.1	107.60	104.860			104.840	250	PVC SDR-35			
CBMH107	S128	OPSD 701.010	S28.1	107.55	105.212			105.182	250	PVC SDR-35			
CBMH108	S127	OPSD 701.010	S28.1	107.55	105.339			105.309	250	PVC SDR-35			
CBMH109	S126	OPSD 701.010	S28.1	107.55	105.627			105.607	250	PVC SDR-35			
CBMH110	S125	OPSD 701.010	S28.1	107.55	105.945			105.895	250	PVC SDR-35			
CBMH111	S122	OPSD 701.011	S28.1	107.55	104.704	104.704	104.629	104.404	675	CONC. CL 100-D			
CBMH112	S120	OPSD 701.010	S28.1	107.55	104.841	104.941		104.766	375	PVC SDR-35			
CBMH113	S118	OPSD 701.010	S28.1	107.55	105.003	105.053		104.953	300	PVC SDR-35			
CBMH114	S116	OPSD 701.010	S28.1	107.55	105.190	105.200		105.140	250	PVC SDR-35			
CBMH115	S114	OPSD 701.010	S28.1	107.55	105.352			105.332	250	PVC SDR-35			
CBMH116	S112	OPSD 701.010	S28.1	107.55	104.980	104.805		104.730	450	CONC. CL 100-D			
CBMH117	S111	OPSD 701.010	S28.1	107.55	105.189			105.159	200	PVC SDR-35			
CBMH119	S109	OPSD 701.010	S28.1	107.55	105.019	105.119		104.944	375	PVC SDR-35			
CBMH120	S108	OPSD 701.010	S28.1	107.55	105.136	105.146		105.086	300	PVC SDR-35			
CBMH121	S107	OPSD 701.010	S28.1	107.55				105.265	250	PVC SDR-35			
CBMH122	S105	OPSD 701.010	S28.1	107.55	105.284			105.234	250	PVC SDR-35			
CBMH123	S103	OPSD 701.010	S28.1	107.55	105.256			105.236	200	PVC SDR-35			
CBMH124	S146	OPSD 701.010	S28.1	107.55	105.256			105.026	250	PVC SDR-35			
CBMH127	S121	OPSD 701.010	S28.1	107.55	105.810	105.523		104.755	375	PVC SDR-35			
RYCB1	S153	OPSD 705.010	S19.1	107.60	106.470			105.659	250	PVC SDR-35			
RYCB2	S106	OPSD 705.010	S19.1	107.60	105.634	105.634		105.403	250	PVC SDR-35			

PIPE CROSSING TABLE

		Obvert			Invert	
1	825mmØ CONC. STM	104.917	0.386	Clearance Under	105.303	200mmØ PVC SAN
2	250mmØ PVC STM	105.061	0.412	Clearance Under	105.473	200mmØ PVC SAN
3	200mmØ PVC STM	105.170	0.318	Clearance Under	105.488	250mmØ PVC STM
4	150mmØ PVC F/HYD LEAD	104.641	0.300	Clearance Under	104.941	250mmØ PVC STM
5	750mmØ CONC. STM	104.930	0.274	Clearance Under	105.204	200mmØ W/M
6	200mmØ W/M	105.303	0.201	Clearance Under	105.504	200mmØ PVC SAN
7	200mmØ W/M	104.717	0.300	Clearance Under	105.017	200mmØ PVC STM
8	200mmØ CB LEAD	104.975	0.382	Clearance Under	105.357	200mmØ W/M
9	200mmØ CB LEAD	105.182	0.172	Clearance Under	105.354	200mmØ W/M
10	375mmØ PVC STM	104.935	0.271	Clearance Under	105.206	200mmØ W/M

STORM STRUCTURE TABLE

STRUCTURE ID	TOP OF GRATE	INVERT				DESCRIPTION		
		INLET	INLET	INLET	OUTLET	SIZE	OPSD	COVER
CB101	107.55				104.962	600X600mm	OPSD 705.010	S19.1
CB102	107.55				104.847	600X600mm	OPSD 705.010	S19.1
CB103	107.55				105.082	600X600mm	OPSD 705.010	S19.1
CB104	107.55				104.957	600X600mm	OPSD 705.010	S19.1
CB105	107.55				105.201	600X600mm	OPSD 705.010	S19.1
CB106	107.55				105.066	600X600mm	OPSD 705.010	S19.1
CB107	107.55				105.396	600X600mm	OPSD 705.010	S19.1
CB108	107.60				104.845	600X600mm	OPSD 705.010	S19.1
CB109	107.65				105.099	600X600mm	OPSD 705.010	S19.1
CB110	107.55				105.092	600X600mm	OPSD 705.010	S19.1
CB111	107.65				105.217	600X600mm	OPSD 705.010	S19.1
CB112	107.60				105.330	600X600mm	OPSD 705.010	S19.1
CB113	107.65				105.332	600X600mm	OPSD 705.010	S19.1
CB114	107.55				106.219	600X600mm	OPSD 705.010	S19.1
CB115	107.55				104.999	600X600mm	OPSD 705.010	S19.1
CB116	107.55				105.171	600X600mm	OPSD 705.010	S19.1
CB117	107.55				105.257	600X600mm	OPSD 705.010	S19.1
CB118	107.55				105.378	600X600mm	OPSD 705.010	S19.1
CB119	107.55				104.822	600X600mm	OPSD 705.010	S19.1
CB120	107.55				105.151	600X600mm	OPSD 705.010	S19.1
CB121	107.55				105.504	600X600mm	OPSD 705.010	S19.1
CB122	107.55				105.574	600X600mm	OPSD 705.010	S19.1
CB123	107.55				105.452	600X600mm	OPSD 705.010	S19.1
CB124	107.55				105.297	600X600mm	OPSD 705.010	S19.1
CB125	107.72				105.040	600X600mm	OPSD 705.010	S19.1
CB126	107.62				105.074	600X600mm	OPSD 705.010	S19.1
STMH100	108.33	104.077			103.702	2400mm DIA.	OPSD 701.130	S24.1
CBMH101	107.73	104.547	104.672	104.172	104.097	1500mm DIA.	OPSD 701.011	S28.1
STMH102	107.61	104.790			104.760	1200mm DIA.	OPSD 701.010	S24.1
CBMH103	107.55				104.942	1200mm DIA.	OPSD 701.010	S28.1
CBMH104	107.55	104.654	104.234	104.579	104.204	1500mm DIA.	OPSD 701.011	S28.1
CBMH105	107.55	104.758	104.333	104.708	104.258	1500mm DIA.	OPSD 701.011	S28.1
CBMH106	107.60	104.860			104.840	1200mm DIA.	OPSD 701.010	S28.1
CBMH107	107.55	105.212			105.182	1200mm DIA.	OPSD 701.010	S28.1
CBMH108	107.55	105.339			105.309	1200mm DIA.	OPSD 701.010	S24.1
CBMH109	107.55	105.627			105.607	1200mm DIA.	OPSD 701.010	S28.1
CBMH110	107.55	105.945			105.895	1200mm DIA.	OPSD 701.010	S28.1
CBMH111	107.55	104.704	104.704	104.629	104.404	1500mm DIA.	OPSD 701.011	S28.1
CBMH112	107.55	104.841	104.941		104.766	1200mm DIA.	OPSD 701.010	S28.1
CBMH113	107.55	105.003	105.053		104.953	1200mm DIA.	OPSD 701.010	S28.1
CBMH114	107.55	105.190	105.200		105.140	1200mm DIA.	OPSD 701.010	S28.1
CBMH115	107.55	105.352			105.332	1200mm DIA.	OPSD 701.010	S28.1
CBMH116	107.55	104.980	104.805		104.730	1200mm DIA.	OPSD 701.010	S28.1
CBMH117	107.55	105.189			105.159	1200mm DIA.	OPSD 701.010	S28.1
STMH118	107.78	104.892	105.037		104.862	1200mm DIA.	OPSD 701.010	S24.1
CBMH119	107.55	105.019	105.119		104.944	1200mm DIA.	OPSD 701.010	S28.1
CBMH120	107.55	105.136	105.146		105.086	1200mm DIA.	OPSD 701.010	S28.1
CBMH121	107.55	105.315			105.265	1200mm DIA.	OPSD 701.010	S28.1
CBMH122	107.55	105.284			105.234	1200mm DIA.	OPSD 701.010	S28.1
CBMH123	107.55	105.256			105.236	1200mm DIA.	OPSD 701.010	S28.1
CBMH124	107.55	105.256			105.026	1200mm DIA.	OPSD 701.010	S28.1
STMH125	107.85	105.118	105.118		105.018	1200mm DIA.	OPSD 701.010	S24.1
STMH126	107.66	104.847			104.907	1200mm DIA.	OPSD 701.010	S24.1
CBMH127	107.55	105.810	105.523		104.755	1200mm DIA.	OPSD 701.010	S24.1
RYCB1	107.60	106.470			105.659	600X600mm	OPSD 705.010	S19.1
RYCB2	107.60	105.634	105.634		105.403	600X600mm	OPSD 705.010	S19.1

SAN STRUCTURE TABLE

STRUCTURE ID	TOP OF GRATE ELEVATION	INVERT			DESCRIPTION		
		INLET	INLET	OUTLET	SIZE	OPSD	COVER
SAMH100	107.63	105.441		105.381	1200mm DIA.	OPSD-701.010	S24
SAMH101	107.85	105.298		105.238	1200mm DIA.	OPSD-701.010	S24
SAMH102	108.14	105.110	102.900	102.874	1200mm DIA.	OPSD-701.010	S24

WATERMAIN SCHEDULE

STATION	DESCRIPTION	FINISHED GRADE	TOP OF WATERMAIN	AS-BUILT WATERMAIN
	From connection to 200x200 TEE			
0+000	Connect to Ex. 200mm W/M	108.250		105.850
0+011.6	Crossing 375mmØ PVC STM	107.810	105.410	
0+017.4	200x200 TEE*	107.820	105.420	
	***From 200x200 TEE to 200mm W/M STUB (EAST END)**			
0+000	200x200 TEE*	107.820	105.420	
0+003.8	Crossing 750mmØ CONC. STM	107.804	105.404	
0+023.1	11.25° Bend	107.680	105.280	
0+028.7	Crossing 200mmØ PVC SAN	107.703	105.303	
0+030.2	Crossing 200mmØ PVC STM	107.718	104.717	
0+054.9	200x200 TEE**	107.910	105.510	
0+057.6	150x200 TEE***	107.895	105.495	
0+058.7	200mm V & VB	107.877	105.477	
0+060.0	200mm W/M STUB	107.859	105.459	
	****From 200x200 TEE to Building W/M STUB**			
0+000	200x200 TEE**	107.910	105.510	
0+010	Building STUB	108.128	105.728	
	****From 150x200 TEE to Proposed F/HYD (EAST)**			
0+000	150x200 TEE***	107.895	105.495	
0+006.5	150mm V & VB	107.926	105.526	
0+007.6	Proposed F/HYD	107.862	105.462	
	***From 200x200 TEE to 200mm W/M STUB (WEST END)**			
0+000	200x200 TEE*	107.820	105.420	
0+013.8	45° Bend	107.718	105.318	
0+023.8	22.5° Bend	107.835	105.435	
0+039.4	Crossing 200mmØ PVC STM	107.958	105.558	
0+068.9	Crossing 200mmØ PVC STM	107.953	105.553	
0+079.6	150x200 TEE****	107.957	105.557	
0+080.6	200mm V & VB	107.962	105.562	
0+081.6	200mm W/M STUB	107.967	105.567	
	*****From 150x200 TEE to Proposed F/HYD (WEST)**			
0+000	150x200 TEE****	107.957	105.557	
0+002.4	150mm V & VB	107.917	105.517	
0+003.8	Proposed F/HYD	107.884	105.484	

OTTAWA–CARLETON
DISTRICT SCHOOL BOARD

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1	0	19/07/24	ISSUED FOR SITE PLAN APPLICATION

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D. B. YANG
100230568
2019-07-24
PROVINCE OF ONTARIO

REGISTERED PROFESSIONAL ENGINEER
J. C. JOHNSTON
2019-07-24
PROVINCE OF ONTARIO

NOT VALID UNLESS SIGNED AND DATED

300-2611 QUEENSVIEW DRIVE
OTTAWA ONTARIO CANADA K2B 8K2
TEL.: 1-613-829-2800 | FAX: 1-613-829-8299 | WWW.WSPGROUP.COM

PROJECT TITLE/TITRE DU PROJET
NEW STITTSVILLE HIGH SCHOOL
700 COPE DRIVE
STITTSVILLE, ON

OTTAWA CARLETON DISTRICT SCHOOL BOARD
NEPEAN, ON K2H 6L3
133 GREENBANK ROAD

DRAWING TITLE/TITRE DU DESSIN

SERVICING DESIGN TABLES

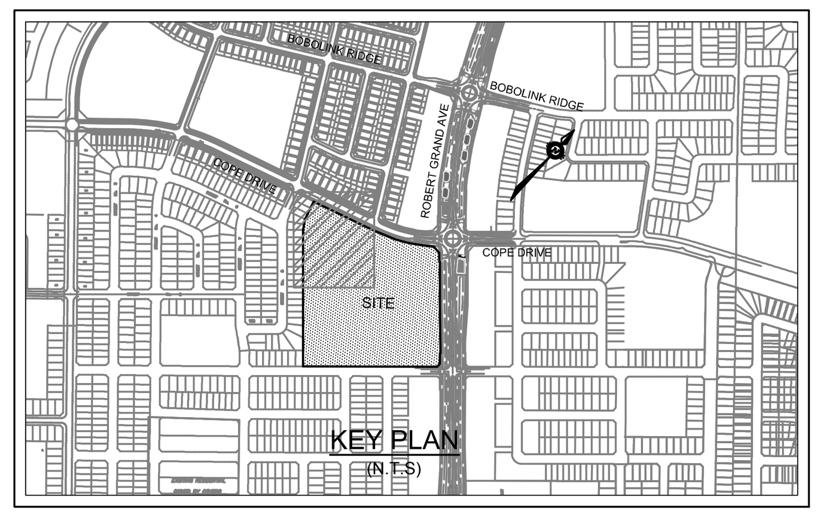
SCALE / ECHELLE	AS SHOWN	PROJ. No 19M-00179-00	ISSUE No 1	REV. No 1
DRAWN BY / DESSINE PAR	D.B.Y.	DRAWING/DESSIN		
CHECKED BY / VERIFIE PAR	J.J.	C02		
DATE	2019-05-17	ACAD FILE/FICHIER 19M-00179-00_CIVIL.DWG		

LEGEND:

Symbol	Description
	EXISTING FIRE HYDRANT
	EXISTING V&VB
	EXISTING VALVE CHAMBER
	PROPOSED FIRE HYDRANT
	PROPOSED V&B
	PROPOSED REMOTE METER
	PROPOSED METER
	PROPOSED CATCHBASIN MANHOLE
	PROPOSE CATCHBASIN
	PROPOSE LANDSCAPE CATCHBASIN
	EXISTING CATCHBASIN MANHOLE
×86.43EX	EXISTING GRADE
×86.10	PROPOSED GRADE
×86.15TC	PROPOSED TOP OF CURB
×86.15(s)	PROPOSED SWALE ELEVATION
2.0%	PROPOSED SLOPE
100 YR	100 YEAR PONDING LIMIT
	SIAMESE CONNECTION
	OVERLAND MAJOR FLOW ROUTE
	PROPOSED CONCRETE CURB
	EXISTING BUILDING OR STRUCTURE
	LIMIT OF CONSTRUCTION
	PROPOSED CENTERLINE OF SWALE
	PROPOSED TERRACING (3:1 MAX)
	EXISTING CONCRETE CURB

SCALE: 1:300

OTTAWA–CARLETON DISTRICT SCHOOL BOARD



KEY PLAN
(N.T.S)

ISSUE NO.	REV. NO.	DATE YY/MM/DD	ISSUE
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REGISTERED PROFESSIONAL ENGINEER J. C. JOHNSTON 2019–07–24 PROVINCE OF ONTARIO

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OTTAWA CARLETON DISTRICT SCHOOL BOARD
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133 GREENBANK ROAD

DRAWING TITLE/TITRE DU DESSIN

GRADING PLAN
NORTH WEST SECTOR

SCALE ECHELLE	AS SHOWN	PROJ. No 19M-00179-00	ISSUE No 1	REV. No 1
DRAWN BY DESSINE PAR	D.B.Y.	DRAWING/DESSIN		
CHECKED BY VERIFIE PAR	J.J.	C03		
DATE	2019-05-17	ACAD FILE/FICHIER: 19M-00179-00_CIVIL.DWG		

LEGEND:

- EXISTING FIRE HYDRANT
- EXISTING V&VB
- EXISTING VALVE CHAMBER
- PROPOSED FIRE HYDRANT
- PROPOSED V&B
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- PROPOSED METER
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- 2.0% PROPOSED SLOPE
- 100 YR 100 YEAR PONDING LIMIT
- SIAMESE CONNECTION
- OVERLAND MAJOR FLOW ROUTE
- PROPOSED CONCRETE CURB
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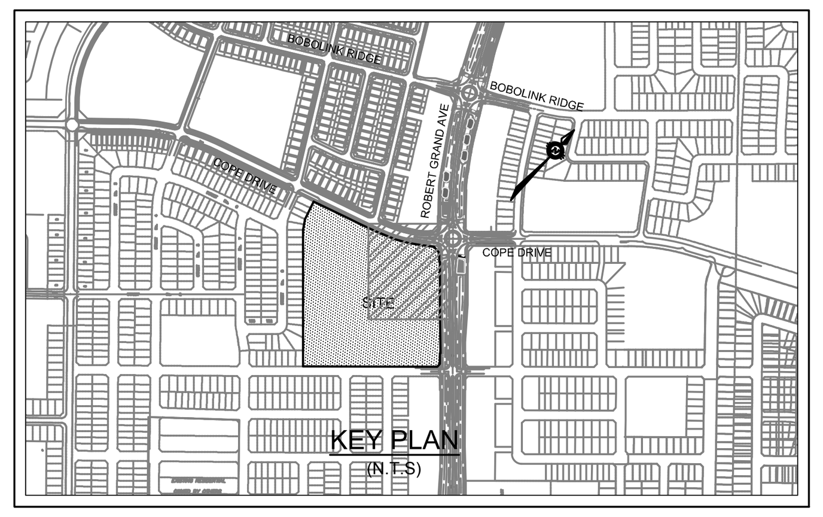
OTTAWA–CARLETON DISTRICT SCHOOL BOARD



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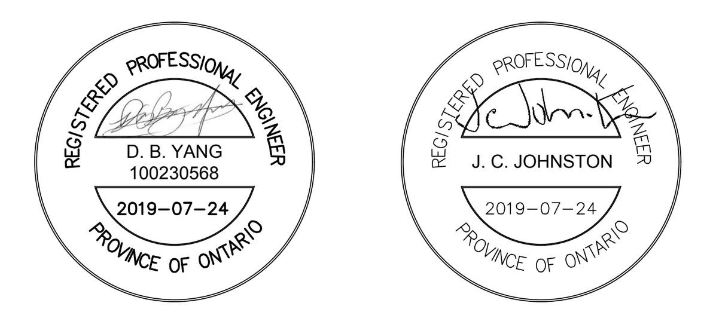

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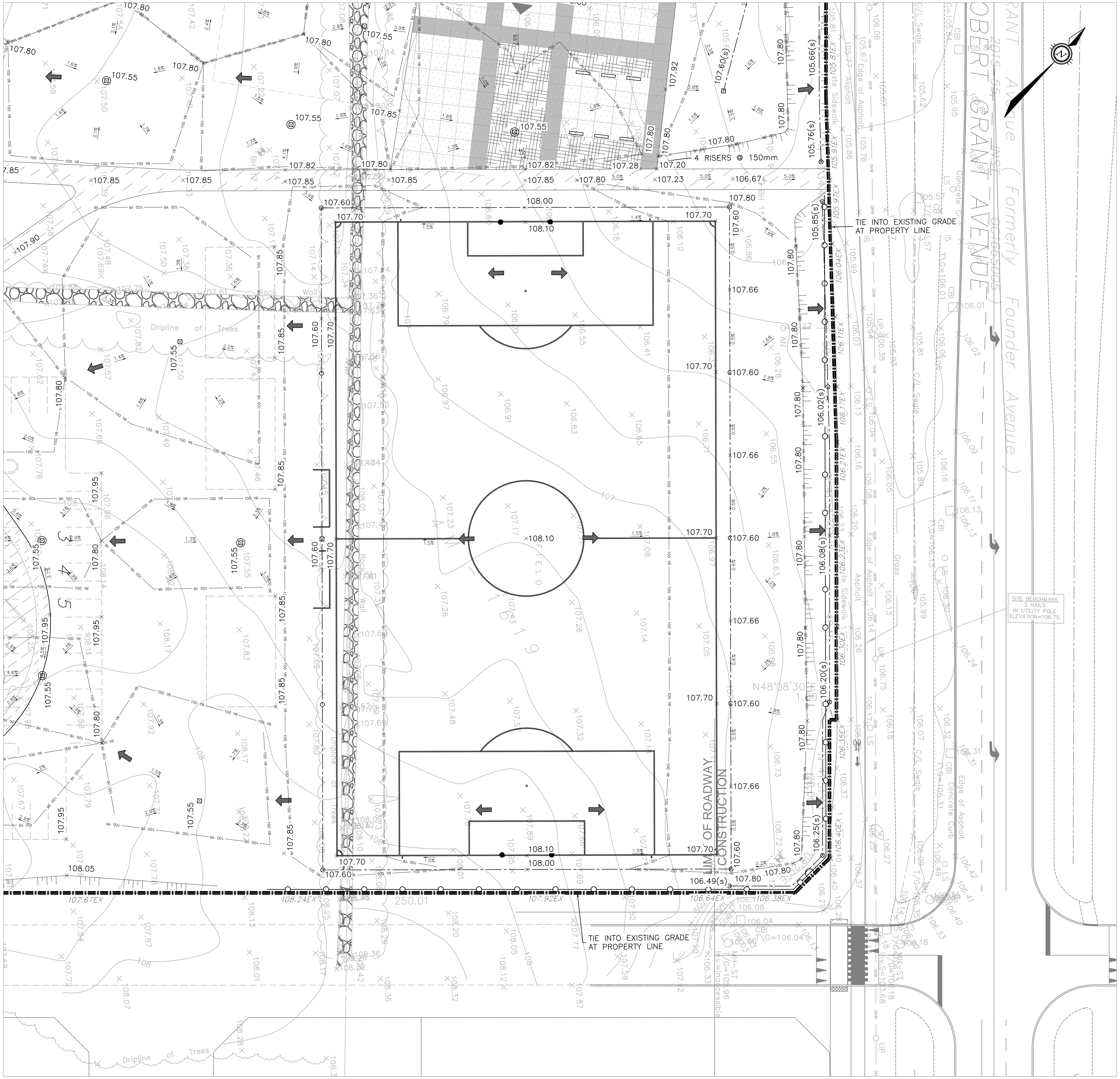
DRAWING TITLE/TITRE DU DESSIN

GRADING PLAN NORTH EAST SECTOR

SCALE ECHELLE	AS SHOWN	PROJ. No 19M-00179-00	ISSUE No 1	REV. No 1
DRAWN BY DESSINE PAR	D.B.Y.	DRAWING/DESSIN		
CHECKED BY VERIFIE PAR	J.J.	C04		
DATE	2019-05-17	ACAD FILE/FICHIER: 19M-00179-00_CIVIL.DWG		

SCALE: 1:300



LEGEND:

- EXISTING FIRE HYDRANT
- EXISTING V&VB
- EXISTING VALVE CHAMBER
- PROPOSED FIRE HYDRANT
- PROPOSED V&B
- PROPOSED REMOTE METER
- PROPOSED METER
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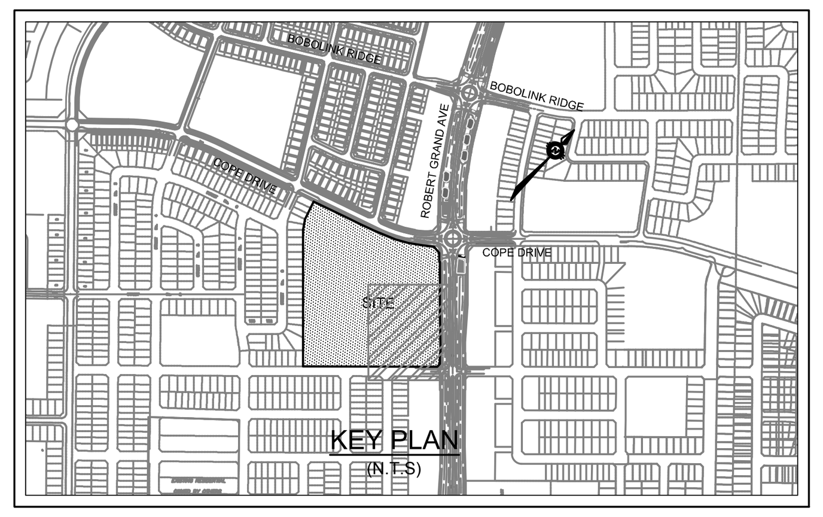
- 2.0% — PROPOSED SLOPE
- 100 YR — 100 YEAR PONDING LIMIT
- SIAMESE CONNECTION
- OVERLAND MAJOR FLOW ROUTE
- PROPOSED CONCRETE CURB
- EXISTING BUILDING OR STRUCTURE
- LIMIT OF CONSTRUCTION
- PROPOSED CENTERLINE OF SWALE
- PROPOSED TERRACING (3:1 MAX)
- EXISTING CONCRETE CURB

OTTAWA-CARLETON DISTRICT SCHOOL BOARD



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133 GREENBANK ROAD

DRAWING TITLE/TITRE DU DESSIN

GRADING PLAN
SOUTH EAST SECTOR

SCALE ECHELLE	AS SHOWN	PROJ. No 19M-00179-00	ISSUE No 1	REV. No 1
DRAWN BY DESSINE PAR	D.B.Y.	DRAWING/DESSIN		
CHECKED BY VERIFIE PAR	J.J.	**C05**		
DATE	2019-05-17	ACAD FILE/FICHIER 19M-00179-00_CIVIL.DWG		

5m 2 0 5 10m
SCALE: 1:300

TIE INTO EXISTING GRADE AT PROPERTY LINE

TIE INTO EXISTING GRADE AT PROPERTY LINE

TIE INTO EXISTING GRADE AT PROPERTY LINE

F I E L D

Frame Building

Treeline

Dripline of Trees

INTERIM BUS LOOP

N 48°08'20" E

SCALE: 1:300

5m 2 0 5 10m

LEGEND:

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- EXISTING V&VB
- EXISTING VALVE CHAMBER
- PROPOSED FIRE HYDRANT
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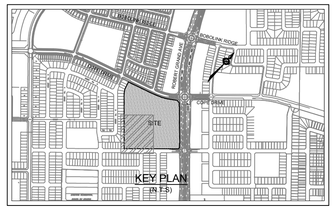
OTTAWA–CARLETON
DISTRICT SCHOOL BOARD



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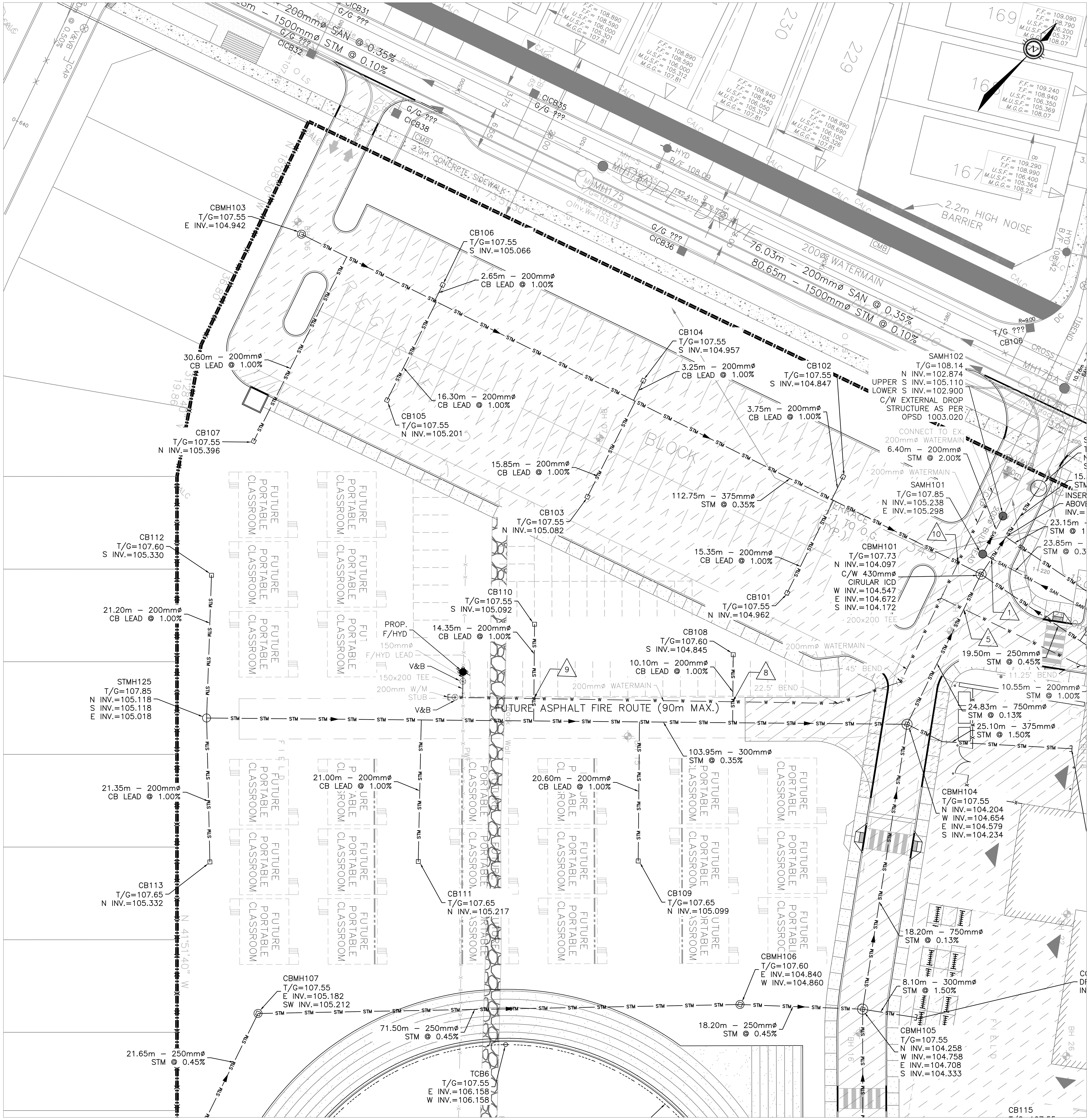
DRAWING TITLE/TITRE DU DESSIN

GRADING PLAN
SOUTH WEST SECTOR

SCALE / ECHELLE	AS SHOWN	PROJ. No 19M-00179-00	ISSUE No 1	REV. No 1
DRAWN BY / DESSINE PAR	D.B.Y.	DRAWING/DESSIN	C06	
CHECKED BY / VERIFIE PAR	J.J.			
DATE	2019-05-17	ACAD FILE/FICHIER: 19M-00179-00_CIVIL.DWG		



LEGEND:

- EXISTING FIRE HYDRANT
- EXISTING V&VB
- EXISTING VALVE CHAMBER
- PROPOSED FIRE HYDRANT
- PROPOSED V&B
- PROPOSED REMOTE METER
- PROPOSED METER
- PROPOSED CATCHBASIN MANHOLE
- PROPOSE CATCHBASIN
- PROPOSE LANDSCAPE CATCHBASIN
- EXISTING CATCHBASIN MANHOLE
- EXISTING SANITARY SEWER AND MANHOLE
- PROPOSED SANITARY SEWER AND MANHOLE
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- PROPOSED STORM SEWER AND MANHOLE
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- PROPOSED SUBDRAIN
- EXISTING WATERMAIN
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- PROPOSED V&B
- SIAMESE CONNECTION
- PROPOSED CENTERLINE OF SWALE
- PROPOSED TERRACING (3:1 MAX)
- PROPOSED CONCRETE CURB
- EXISTING BUILDING OR STRUCTURE
- LIMIT OF CONSTRUCTION
- EXISTING CONCRETE CURB

OTTAWA–CARLETON DISTRICT SCHOOL BOARD

KEY PLAN (N.T.S.)

ISSUE NO.	REV. NO.	DATE YY/MM/DD	ISSUE
1	0	19/07/24	ISSUED FOR SITE PLAN APPLICATION

D. B. YANG 100230568 2019-07-24 PROVINCE OF ONTARIO
J. C. JOHNSTON 2019-07-24 PROVINCE OF ONTARIO

NOT VALID UNLESS SIGNED AND DATED

wsp
300-2611 QUEENSVIEW DRIVE
OTTAWA ONTARIO CANADA K2B 8K2
TEL.: 1-613-829-2800 | FAX: 1-613-829-8299 | WWW.WSPGROUP.COM

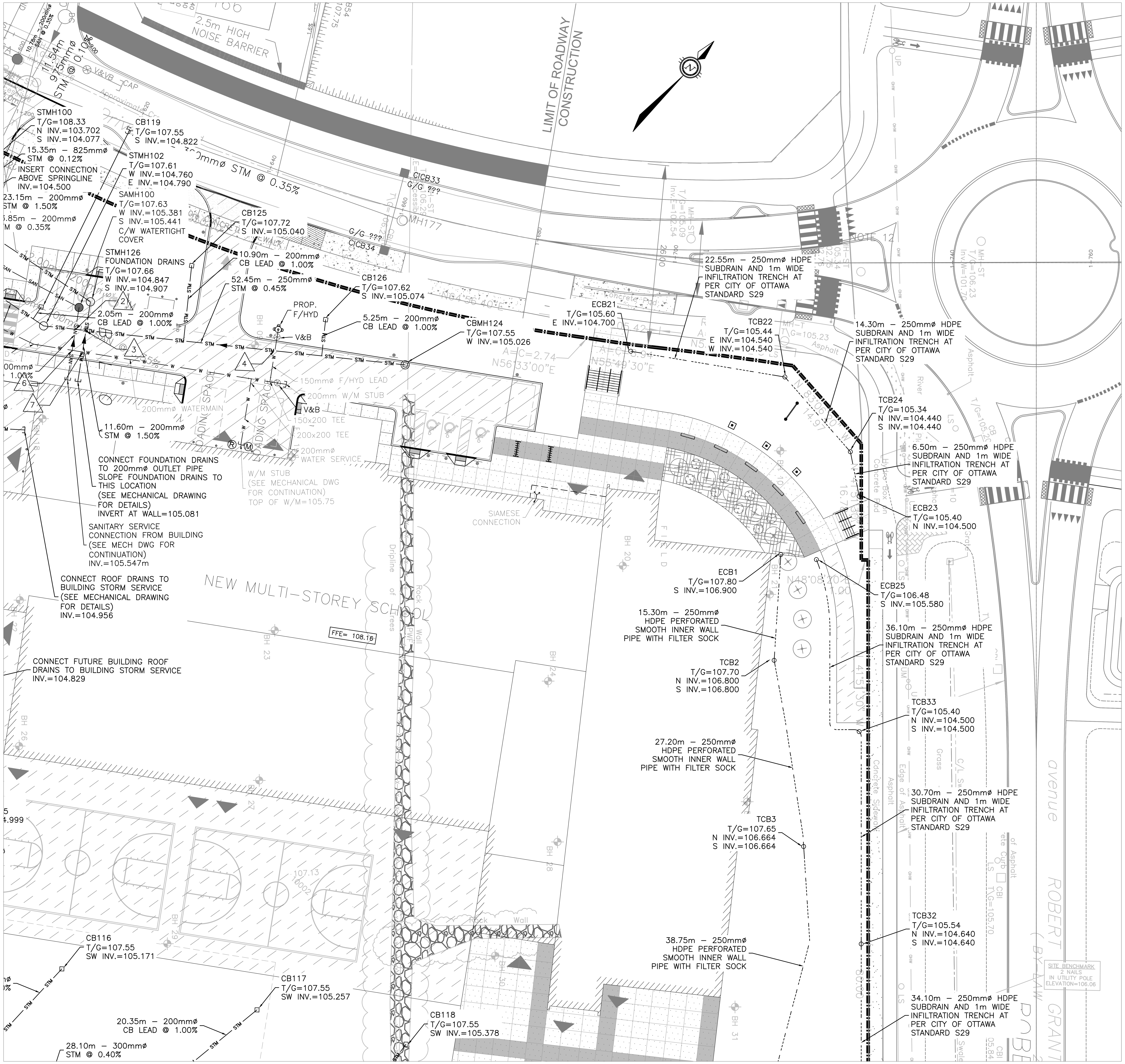
PROJECT TITLE/TITRE DU PROJET
NEW STITTSVILLE HIGH SCHOOL
700 COPE DRIVE
STITTSVILLE, ON

OTTAWA CARLETON DISTRICT SCHOOL BOARD
NEPEAN, ON K2H 6L3
133 GREENBANK ROAD

DRAWING TITLE/TITRE DU DESSIN

SITE SERVICING PLAN NORTH WEST SECTOR

SCALE ECHELLE	AS SHOWN	PROJ. No 19M-00179-00	ISSUE No 1	REV. No 1
DRAWN BY DESSINE PAR	D.B.Y.	DRAWING/DESSIN		
CHECKED BY VERIFIE PAR	J.J.	C07		
DATE	2019-05-17	ACAD FILE/FICHIER 19M-00179-00_CIVIL.DWG		



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- STM — STM: EXISTING STORM SEWER AND MANHOLE
- STM — STM: PROPOSED STORM SEWER AND MANHOLE
- W — W: PROPOSED WATERMAIN
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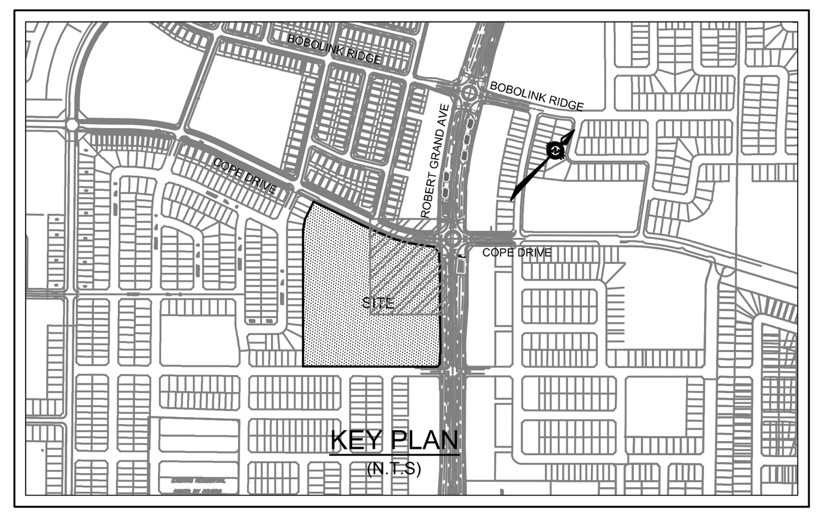
- EXISTING CONCRETE CURB

5m 2 0 5 10m
SCALE: 1:300

OTTAWA–CARLETON DISTRICT SCHOOL BOARD



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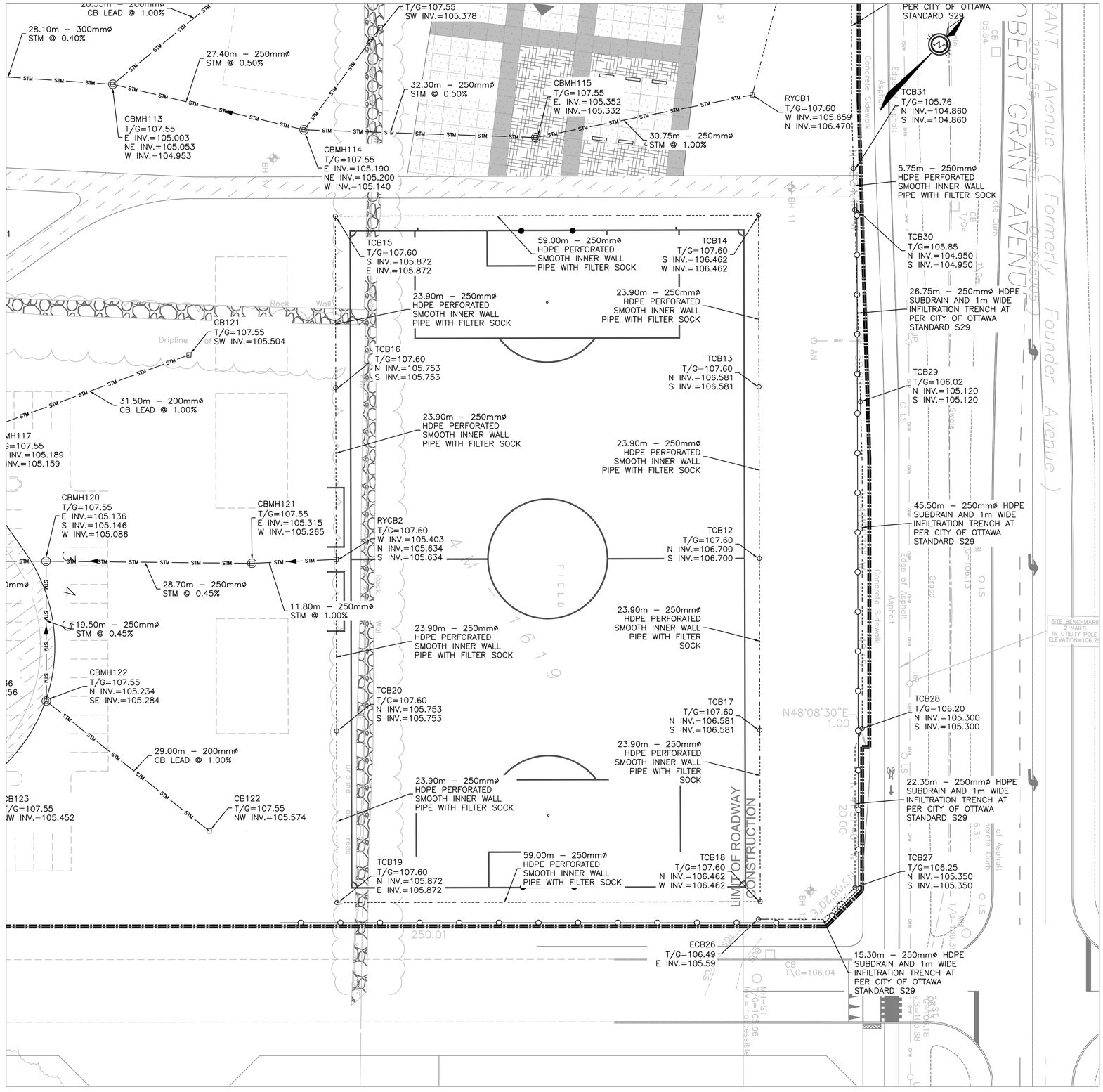
STITTSVILLE, ON

OTTAWA CARLETON DISTRICT SCHOOL BOARD
NEPEAN, ON K2H 6L3
133 GREENBANK ROAD

DRAWING TITLE/TITRE DU DESSIN

SITE SERVICING PLAN NORTH EAST SECTOR

SCALE ECHELLE	AS SHOWN	PROJ. No 19M-00179-00	ISSUE No 1	REV. No 1
DRAWN BY DESSINE PAR	D.B.Y.	DRAWING/DESSIN C08		
CHECKED BY VERIFIE PAR	J.J.			
DATE	2019-05-17	ACAD FILE/FICHIER: 19M-00179-00_CIVIL.DWG		



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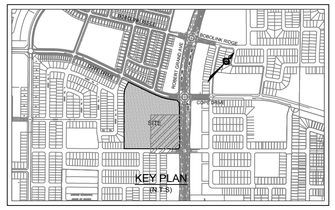
- LIMIT OF CONSTRUCTION
- EXISTING CONCRETE CURB

5m 2 0 5 10m

SCALE: 1:300

OTTAWA–CARLETON
DISTRICT SCHOOL BOARD



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OTTAWA CARLETON DISTRICT SCHOOL BOARD
NEPEAN, ON K2H 6L3
133 GREENBANK ROAD

DRAWING TITLE/TITRE DU DESSIN

SITE SERVICING PLAN
SOUTH EAST SECTOR

SCALE / ECHELLE	AS SHOWN	PROJ. No 19M-00179-00	ISSUE No 1	REV. No 1
DRAWN BY / DESSINE PAR	D.B.Y.	DRAWING/DESSIN	C09	
CHECKED BY / VERIFIE PAR	J.J.			
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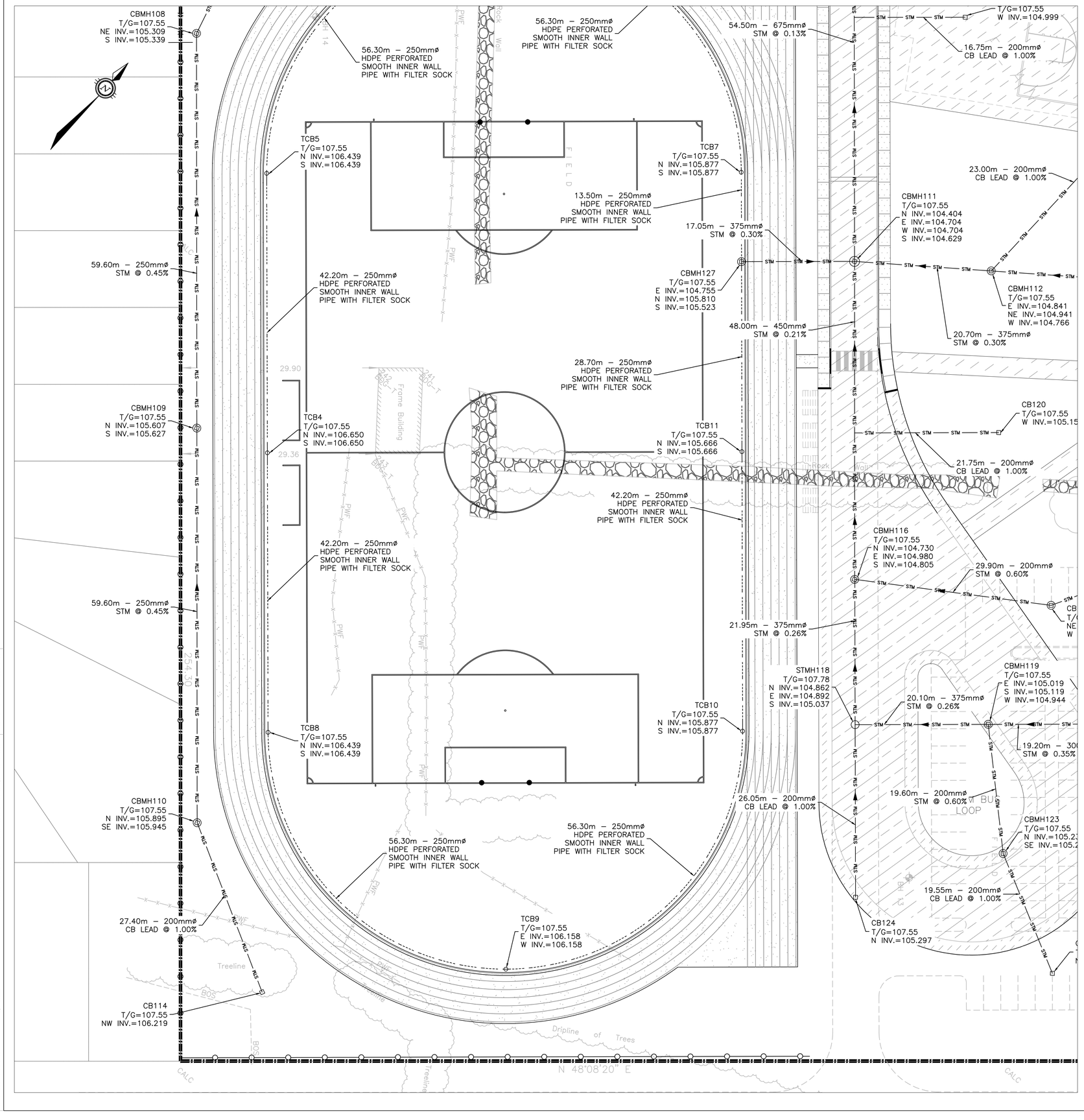

SCALE: 1:300

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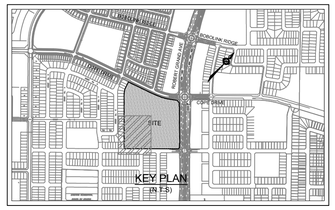
OTTAWA–CARLETON
DISTRICT SCHOOL BOARD



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PROVINCE OF ONTARIO

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PROJECT TITLE/TITRE DU PROJET

NEW STITTSVILLE HIGH SCHOOL
700 COPE DRIVE
STITTSVILLE, ON

OTTAWA CARLETON DISTRICT SCHOOL BOARD
NEPEAN, ON K2H 6L3
133 GREENBANK ROAD

DRAWING TITLE/TITRE DU DESSIN

SITE SERVICING PLAN
SOUTH WEST SECTOR

SCALE / ECHELLE	AS SHOWN	PROJ. No 19M-00179-00	ISSUE No 1	REV. No 1
DRAWN BY / DESSINE PAR	D.B.Y.	DRAWING/DESSIN	C10	
CHECKED BY / VERIFIE PAR	J.J.			
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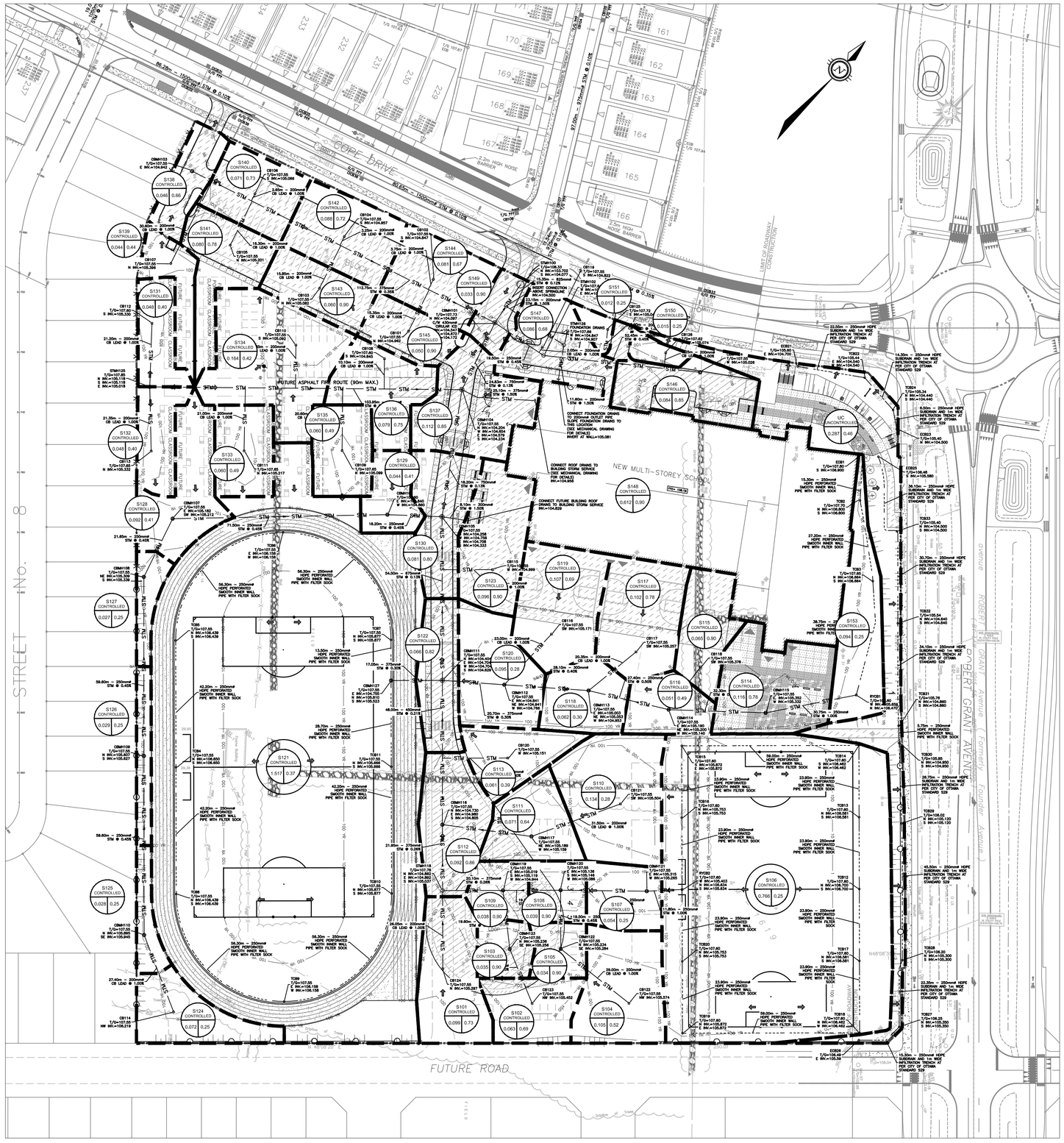

SURFACE PONDING TABLE							
POND #	AREA ID	LOCATION	PONDING ELEVATION (m)	TOP OF CB ELEVATION (m)	PONDING DEPTH (m)	PONDING AREA (m^2)	PONDING VOLUME (m^3)
SURFACE PONDING							
1	S101	CB124	107.80	107.55	0.25	448.45	37.37
2	S104	CB122	107.80	107.55	0.25	492.76	41.06
3	S105	CBMH122	107.80	107.55	0.25	171.66	14.31
4	S106	RYCB2	107.80	107.60	0.20	3314.41	220.96
5	S107	CBMH121	107.80	107.55	0.25	265.31	22.11
6	S108	CBMH120	107.80	107.55	0.25	200.53	16.71
7	S102	CB123	107.80	107.55	0.25	304.41	25.37
8	S103	CBMH123	107.80	107.55	0.25	185.58	15.46
9	S109	CBMH119	107.80	107.55	0.25	208.85	17.40
10	S110	CB121	107.80	107.55	0.25	830.03	69.17
11	S111	CBMH117	107.80	107.55	0.25	412.60	34.38
12	S113	CB120	107.80	107.55	0.25	276.07	23.01
13	S112	CBMH116	107.80	107.55	0.25	587.73	48.98
14	S153	RYCB1	107.80	107.60	0.20	578.41	38.56
15	S114	CBMH115	107.80	107.55	0.25	528.09	44.01
16	S115	CB118	107.80	107.55	0.25	318.97	26.58
17	S116	CBMH114	107.80	107.55	0.25	410.57	34.21
18	S117	CB117	107.80	107.55	0.25	425.77	35.48
19	S118	CBMH113	107.80	107.55	0.25	520.81	43.40
20	S119	CB116	107.80	107.55	0.25	449.62	37.47
21	S120	CBMH112	107.80	107.55	0.25	616.17	51.35
22	S121	CBMH127	107.80	107.55	0.25	9021.95	751.83
23	S123	CB115	107.80	107.55	0.25	349.41	29.12
24	S122	CBMH111	107.80	107.55	0.25	349.43	29.12
25	S124	CB114	107.80	107.55	0.25	191.51	15.96
26	S125	CBMH110	107.80	107.55	0.25	153.02	12.75
27	S126	CBMH109	107.80	107.55	0.25	159.08	13.26
28	S127	CBMH108	107.80	107.55	0.25	120.99	10.08
29	S128	CBMH107	107.80	107.55	0.25	257.91	21.49
30	S129	CBMH106	107.80	107.60	0.20	203.59	13.57
31	S130	CBMH105	107.80	107.55	0.25	344.95	28.75
32	S131	CB112	107.80	107.60	0.20	177.79	11.85
33	S132	CB113	107.80	107.60	0.20	111.18	7.41
34	S133	CB111	107.80	107.65	0.15	106.59	5.33
35	S134	CB110	107.80	107.55	0.25	405.43	33.79
36	S135	CB109	107.80	107.65	0.15	103.75	5.19
37	S136	CB108	107.80	107.60	0.20	103.25	6.88
38	S137	CBMH104	107.80	107.55	0.25	341.82	28.48
39	S139	CB107	107.80	107.55	0.25	128.29	10.69
40	S140	CB106	107.80	107.55	0.25	480.88	40.07
41	S141	CB105	107.80	107.55	0.25	425.50	35.46
42	S142	CB104	107.80	107.55	0.25	622.68	51.89
43	S143	CB103	107.80	107.55	0.25	532.61	44.38
44	S144	CB102	107.80	107.55	0.25	486.72	40.56
45	S145	CB101	107.80	107.55	0.25	431.92	35.99
46	S138	CBMH103	107.80	107.55	0.25	280.43	23.37
47	S150	CB126	107.80	107.62	0.18	81.77	4.91
48	S151	CB125	107.80	107.72	0.08	50.25	1.34
49	S146	CBMH124	107.80	107.55	0.25	327.07	27.26
50	S147	CB119	107.80	107.55	0.25	288.92	24.08
51	S149	CBMH101	107.80	107.73	0.07	57.38	1.34

*Ponding Volume is calculated using ponding area mulitplied by the maximum ponding depth, and divided by 3 for a conical pond.

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- STM — STM — PROPOSED STORM SEWER AND MANHOLE
- STORM DRAINAGE BOUNDARY
- ID CONTROLLED (A / C) — ID DENOTES WATERSHED NAME; A DENOTES AREA IN HECTARES; C DEONOTES RUNOFF COEFFICIENT
- OVERLAND MAJOR FLOW ROUTE

10m 0 10 20 30m

SCALE: 1:750

OTTAWA–CARLETON DISTRICT SCHOOL BOARD

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OTTAWA CARLETON DISTRICT SCHOOL BOARD
NEPEAN, ON K2H 6L3
133 GREENBANK ROAD

DRAWING TITLE/TITRE DU DESSIN

STORM DRAINAGE AREA PLAN

SCALE / ECHELLE	AS SHOWN	PROJ. No 19M-00179-00	ISSUE No 1	REV. No 1
DRAWN BY / DESSINE PAR	D.B.Y.	DRAWING/DESSIN C11		
CHECKED BY / VERIFIE PAR	J.J.			
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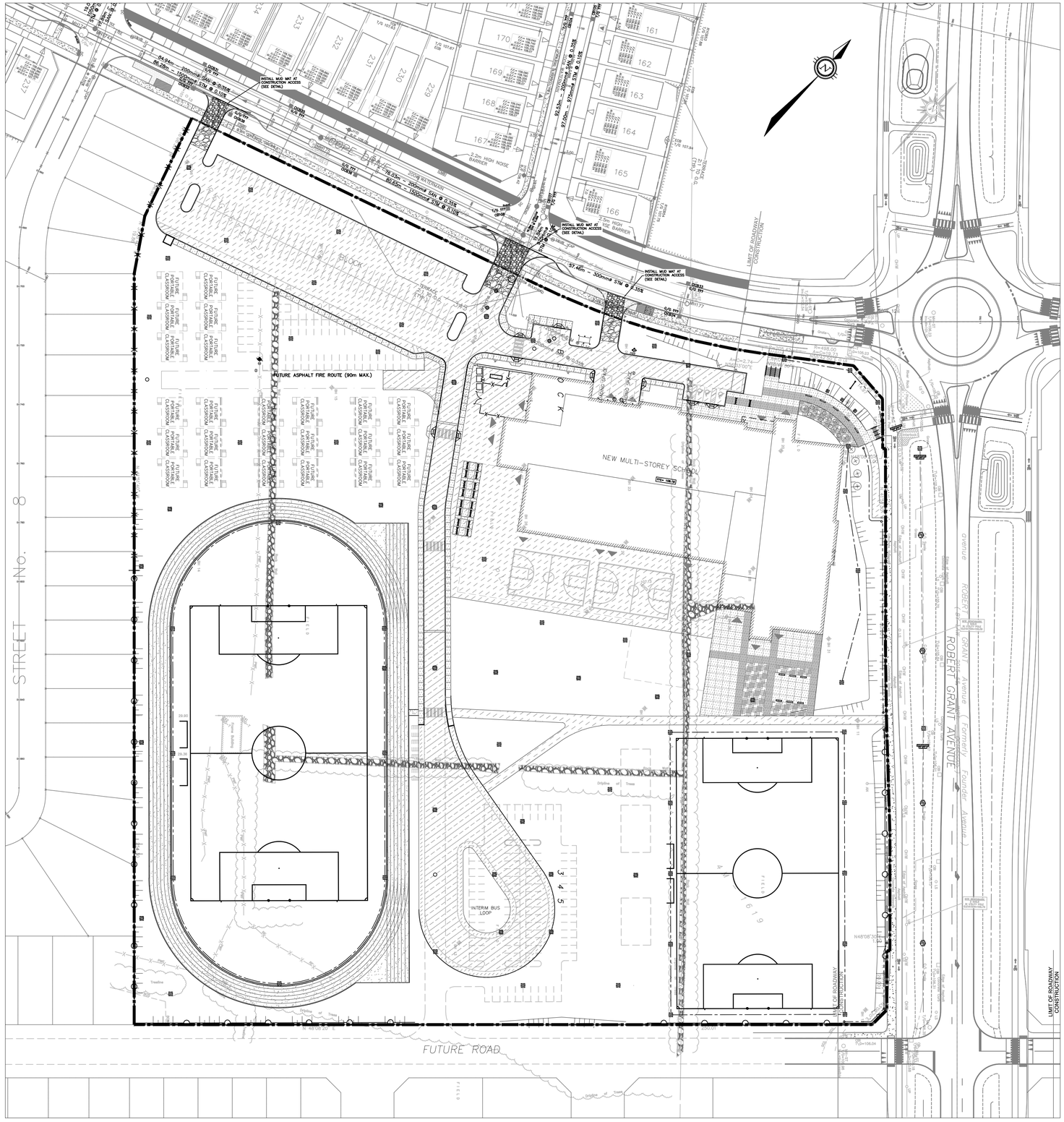

LEGEND

- LIGHT DUTY SILT FENCE AS PER OPSD-219.110
- SNOW FENCE
- ROCK CHECK DAM AS PER OPSD-219.211
- STRAW BALE CHECK DAM AS PER OPSD-219.180
- FILTER CLOTH PLACED UNDER CB AND CBMH COVER

10m 0 10 20 30m

SCALE: 1:750

OTTAWA–CARLETON
DISTRICT SCHOOL BOARD

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DRAWING TITLE/TITRE DU DESSIN

EROSION AND SEDIMENTATION CONTROL PLAN

		PROJ. No	ISSUE No	REV. No
SCALE / ECHELLE	AS SHOWN	19M-00179-00	1	1
DRAWN BY / DESSINE PAR	D.B.Y.	DRAWING/DESSIN		
CHECKED BY / VERIFIE PAR	J.J.	C12		
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