

**NOTES: GENERAL**

- DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL AND LANDSCAPE DRAWINGS
- 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
- THE POSITION OF EXISTING POLE LINES, CONDUITS, WATERMANS, 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.
- 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.
- 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.
- 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.
- TOPOGRAPHIC SURVEY COMPLETED AND PROVIDED BY ANNIS, O'SULLIVAN, VOLLEBECK 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.
- ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS. VERIFY THAT JOB BENCHMARKS HAVE NOT BEEN ALTERED OR DISTURBED.
- ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED SWALE OR CATCH BASIN OUTLETS ARE PROVIDED.
- 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.
- 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.
- ABUTTING PROPERTY GRADES TO BE MATCHED UNLESS OTHERWISE SHOWN.
- 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.
- MINIMIZE DISTURBANCE TO EXISTING VEGETATION DURING THE EXECUTION OF ALL WORKS.
- 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.
- 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.
- 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.
- ABIDE BY RECOMMENDATIONS OF GEOTECHNICAL REPORT. REPORT ANY VARIATIONS IN OBSERVED CONDITIONS FROM THOSE INCLUDED IN REPORT.
- 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
- PROVIDE CCTV INSPECTION REPORT FOR ALL SEWERS AND CATCHBASIN LEADS 200mm DIAMETER AND LARGER. REPEAT CCTV INSPECTION FOLLOWING RECTIFICATION OF ANY DEFICIENCIES.

**NOTES: WATERMAIN**

- ALL WATERMAIN AND WATERMAIN APPURTENANCES, MATERIALS, CONSTRUCTION AND TESTING METHODS SHALL CONFORM TO THE CURRENT CITY OF OTTAWA AND MINISTRY OF ENVIRONMENT STANDARDS AND SPECIFICATIONS.
- ALL WATERMAIN 300mm DIAMETER AND SMALLER TO BE POLY VINYL CHLORIDE (PVC) CLASS 150 DR 18 MEETING AWWA SPECIFICATION C900.
- ALL WATERMAIN TO BE INSTALLED AT MINIMUM COVER OF 2.4m BELOW FINISHED GRADE, WHERE WATERMANS CROSS OVER OTHER UTILITIES, A MINIMUM 0.30m CLEARANCE SHALL BE MAINTAINED. WHERE WATERMANS 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.
- 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 W23.4 & W25.4.
- CATHODIC PROTECTION REQUIRED FOR ALL IRON FITTINGS AS PER CITY OF OTTAWA STANDARD W40 & W42.
- ALL VALVES AND VALVE BOXES AND CHAMBERS, HYDRANTS, AND HYDRANT VALVES AND ASSEMBLES SHALL BE INSTALLED AS PER CITY OF OTTAWA STANDARD
- 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.
- 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**

- 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.
- 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.
- SEWER BEDDING AS PER CITY OF OTTAWA DETAIL S6.
- 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.
- MAINTENANCE HOLE BENCHING AND PIPE OPENING ALTERNATIVES AS PER THE OPSD 701.021
- 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**

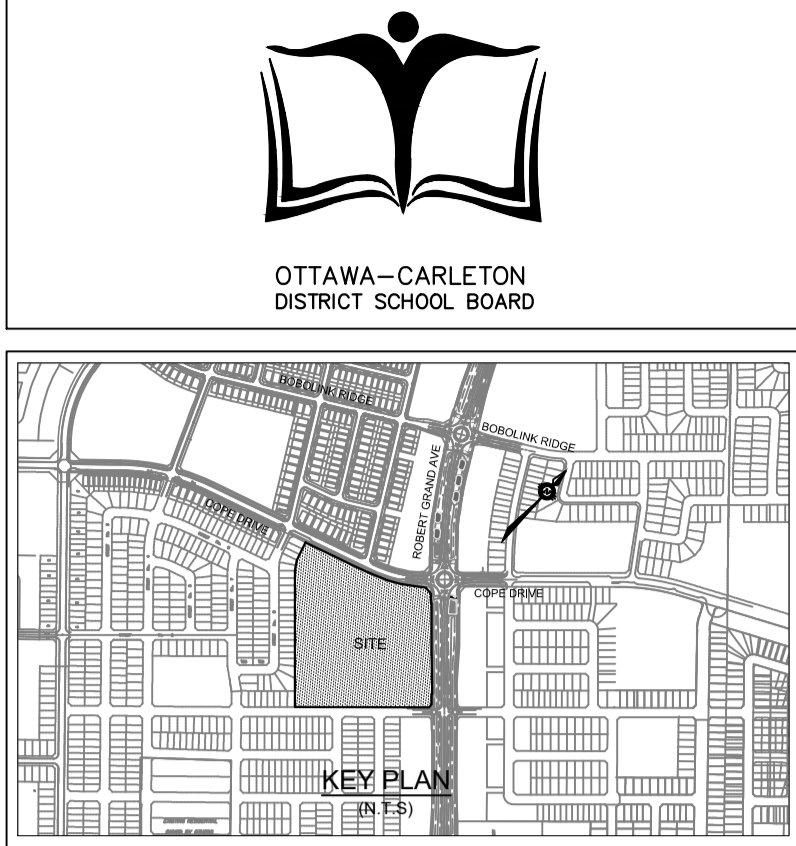
- ALL STORM SEWER MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO THE CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS. PROVIDE CCTV INSPECTION REPORTS FOR ALL NEW STORM SEWERS, SERVICES AND CB LEADS.
- STORM SEWERS 450mm DIAMETER AND SMALLER SHALL BE PVC SDR-35, WITH RUBBER GASKET PER CSA A-237.3.
- STORM SEWER LARGER THAN 450mm SHALL BE REINFORCED CONCRETE CLASS 100.
- SEWER BEDDING AS PER CITY OF OTTAWA DETAIL S6.
- ALL STORM MANHOLES TO BE AS PER STORM STRUCTURE TABLE ON DRAWING C02.
- 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 CBM1109 AND CB114.
- CB IN LANDSCAPE AREAS SHALL BE AS PER CITY OF OTTAWA STANDARD S29, S30 AND S31.
- ALL CATCHBASIN LEADS TO BE MINIMUM 200mm DIAMETER AT MINIMUM 1.0% SLOPE UNLESS OTHERWISE SPECIFIED.
- STORM CATCHBASINS AS PER OPSD 705.010 AND FRAME/COVER AS PER CITY STANDARD DRAWINGS S19. STORM CBM'S AS INDICATED IN TABLE WITH SUMP, ADJUSTMENT SECTIONS SHALL BE AS PER OPSD 704.010.
- 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**

- CONTRACTOR TO REINSTATE ROAD CUTS AS PER CITY OF OTTAWA DETAIL R10.
- CONTRACTOR TO PREPARE SUBGRADE, INCLUDING PROOFROLLING, TO THE SATISFACTION OF THE GEOTECHNICAL CONSULTANT PRIOR TO THE COMMENCEMENT OF PLACEMENT OF GRANULAR B MATERIAL.
- FILL TO BE PLACED AND COMPACTED PER THE GEOTECHNICAL REPORT REQUIREMENTS.
- 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.
- GRANULAR A MATERIAL TO BE PLACED ONLY UPON APPROVAL BY THE GEOTECHNICAL CONSULTANT OF GRANULAR B PLACEMENT.
- 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.
- ASPHALT MATERIAL TO BE PLACED ONLY UPON APPROVAL BY THE GEOTECHNICAL CONSULTANT OF GRANULAR A PLACEMENT.
- 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.
- CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING LINE AND GRADE IN ACCORDANCE WITH THE PLANS, AND FOR PROVIDING THE CONSULTANT WITH VERIFICATION PRIOR TO PLACEMENT.
- 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.
- 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. \*\*
- PRIOR TO START OF CONSTRUCTION:
    - INSTALL SILT FENCE IN LOCATION SHOWN ON DWG C12.
    - INSTALL FILTER FABRIC OR SILT SACK FILTERS IN ALL THE CATCHBASINS AND MANHOLES TO REMAIN DURING CONSTRUCTION WITHIN THE SITE (SEE TYPICAL DETAIL).
    - INSPECT MEASURES IMMEDIATELY AFTER INSTALLATION.
  - DURING CONSTRUCTION:
    - MINIMIZE THE EXTENT OF DISTURBED AREAS AND THE DURATION OF EXPOSURE AND IMPACTS TO EXISTING GRADING.
    - 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.
    - 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.
    - PROVIDE TEMPORARY COVER SUCH AS SEEDING OR MULCHING IF DISTURBED AREA WILL NOT BE REHABILITATED WITHIN 30 DAYS.
    - INSPECT SILT FENCES, FILTER FABRIC FILTERS AND CATCH BASIN SUMPS WEEKLY AND WITHIN 24 HOURS AFTER A STORM EVENT. CLEAN AND REPAIR WHEN NECESSARY.
    - DRAWING TO BE REVIEWED AND REVISED AS REQUIRED DURING CONSTRUCTION.
    - EROSION CONTROL FENCING TO BE ALSO INSTALLED AROUND THE BASE OF ALL STOCKPILES.
    - 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).
    - 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).
    - NO ALTERNATE METHODS OF EROSION PROTECTION SHALL BE PERMITTED UNLESS APPROVED BY THE FIELD ENGINEER.
    - CITY ROADWAY AND SIDEWALK TO BE CLEANED OF ALL SEDIMENT FROM VEHICULAR TRACKING AS REQUIRED.
    - DURING WET CONDITIONS, TIRES OF ALL VEHICLES/EQUIPMENT LEAVING THE SITE ARE TO BE SCRAPPED.
    - ANY MUD/MATERIAL TRACKED ONTO THE ROAD SHALL BE REMOVED IMMEDIATELY BY HAND OR RUBBER TIRE LOADER.
    - TAKE ALL NECESSARY STEPS TO PREVENT BUILDING MATERIAL, CONSTRUCTION DEBRIS OR WASTE BEING SPILLED OR TRACKED ONTO ADJUTING PROPERTIES OR PUBLIC STREETS DURING CONSTRUCTION AND PROCEED IMMEDIATELY TO CLEAN UP ANY AREAS SO AFFECTED.
    - 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.
    - 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.



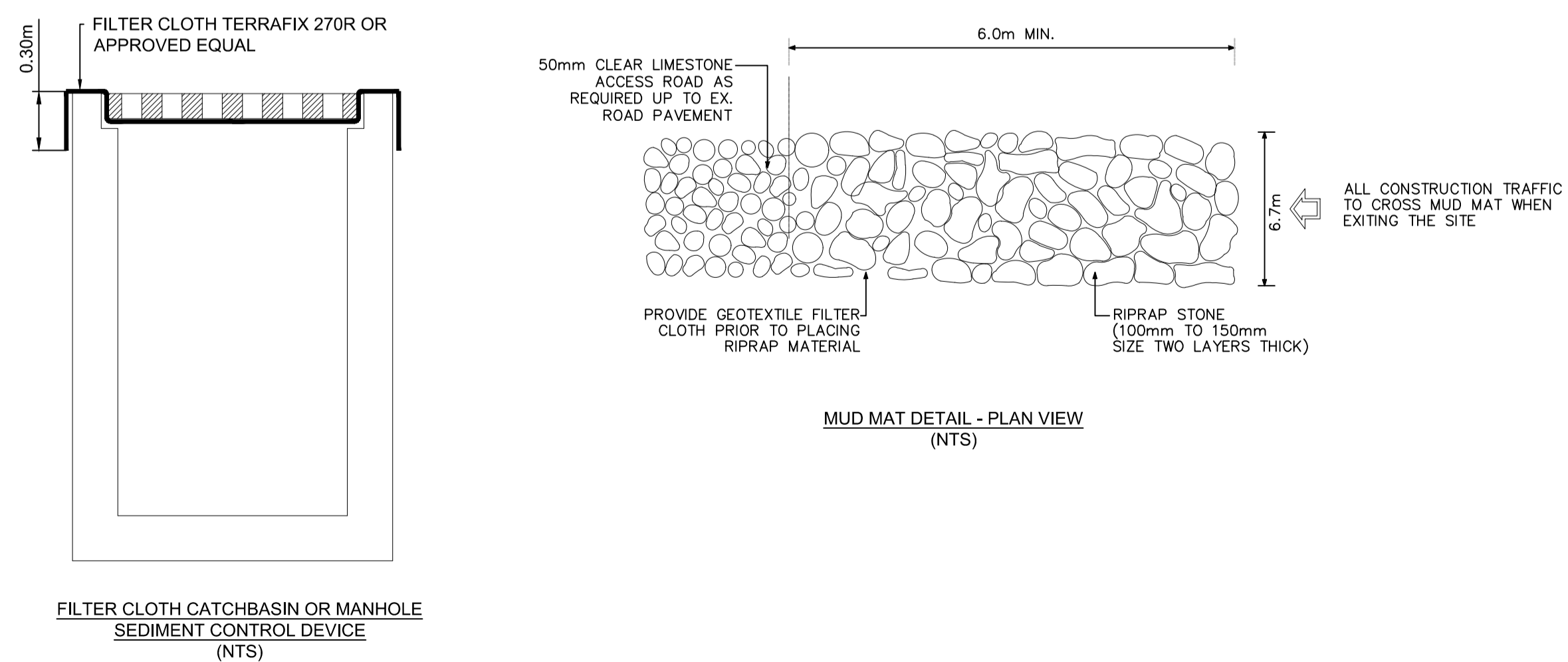
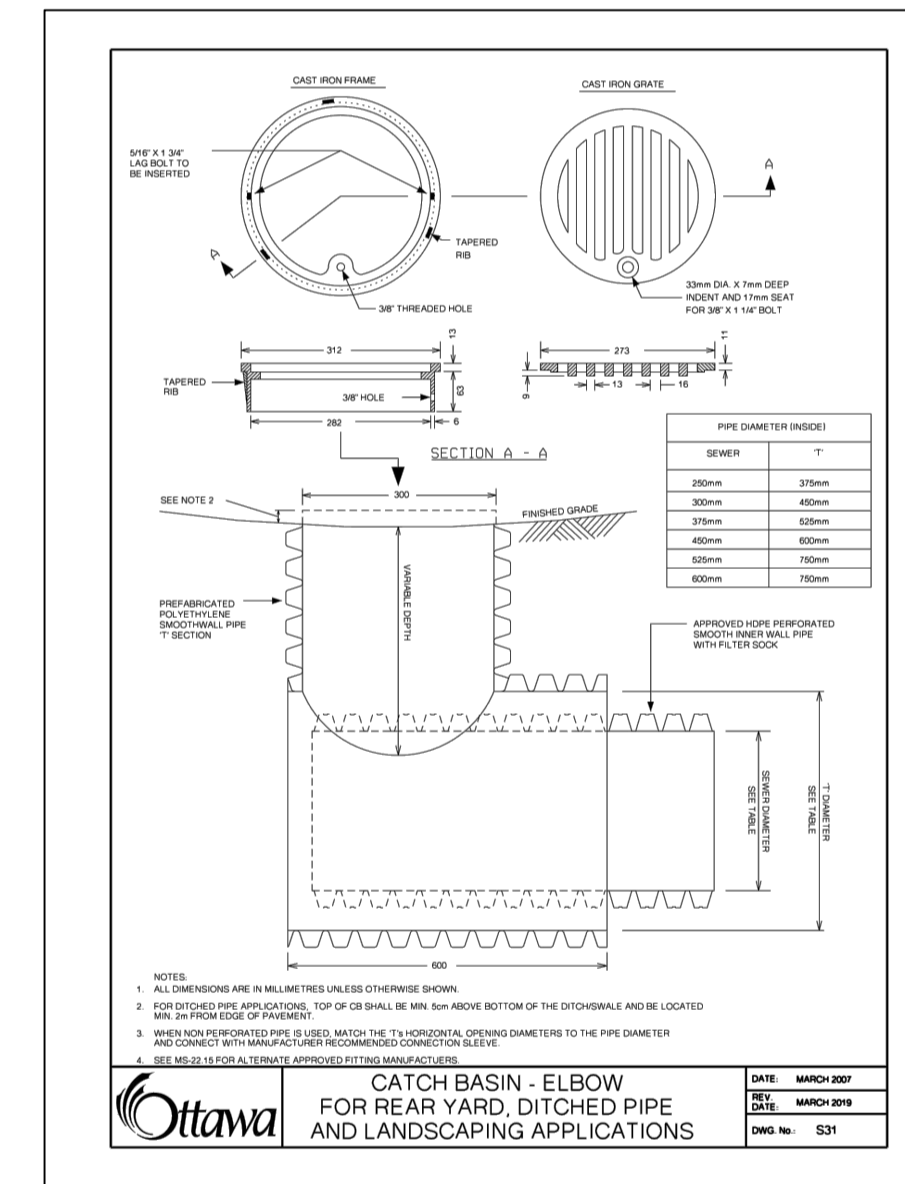
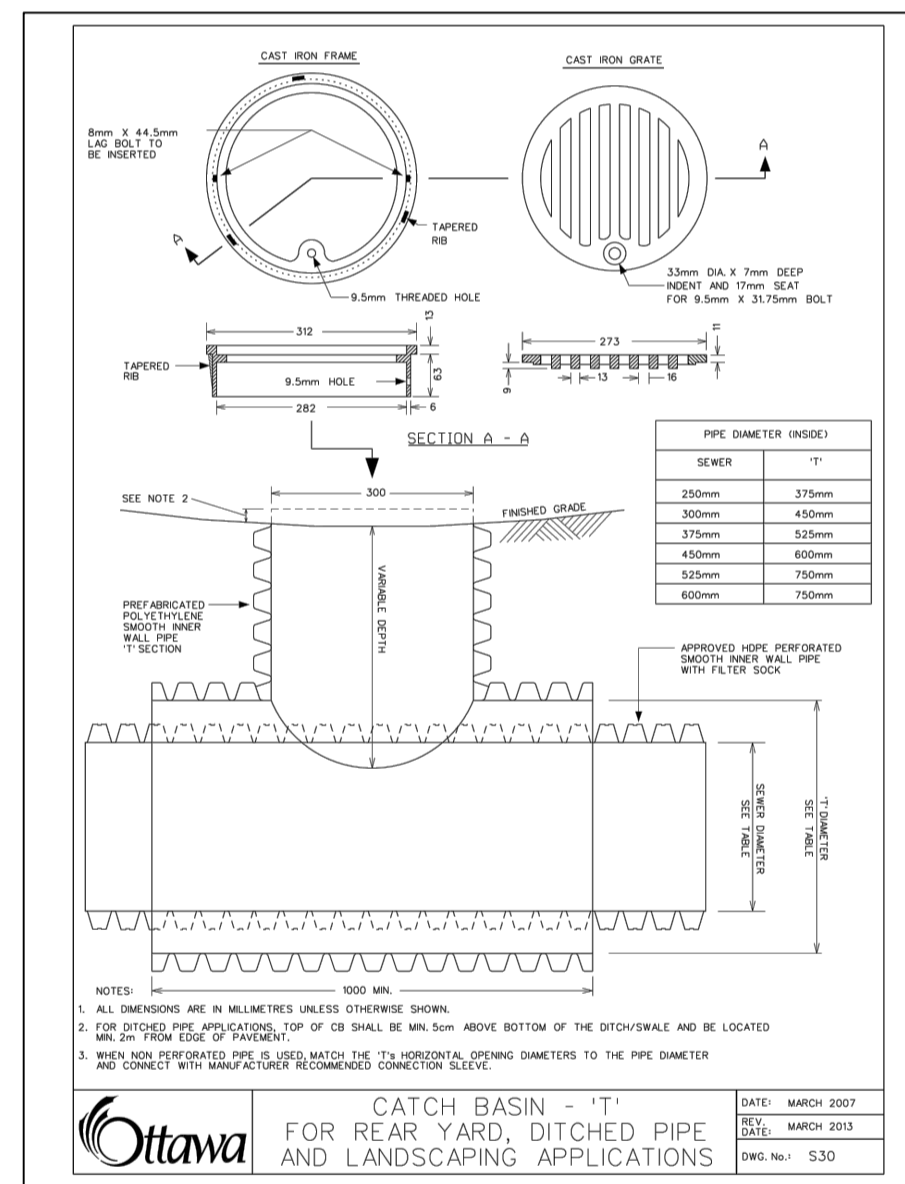
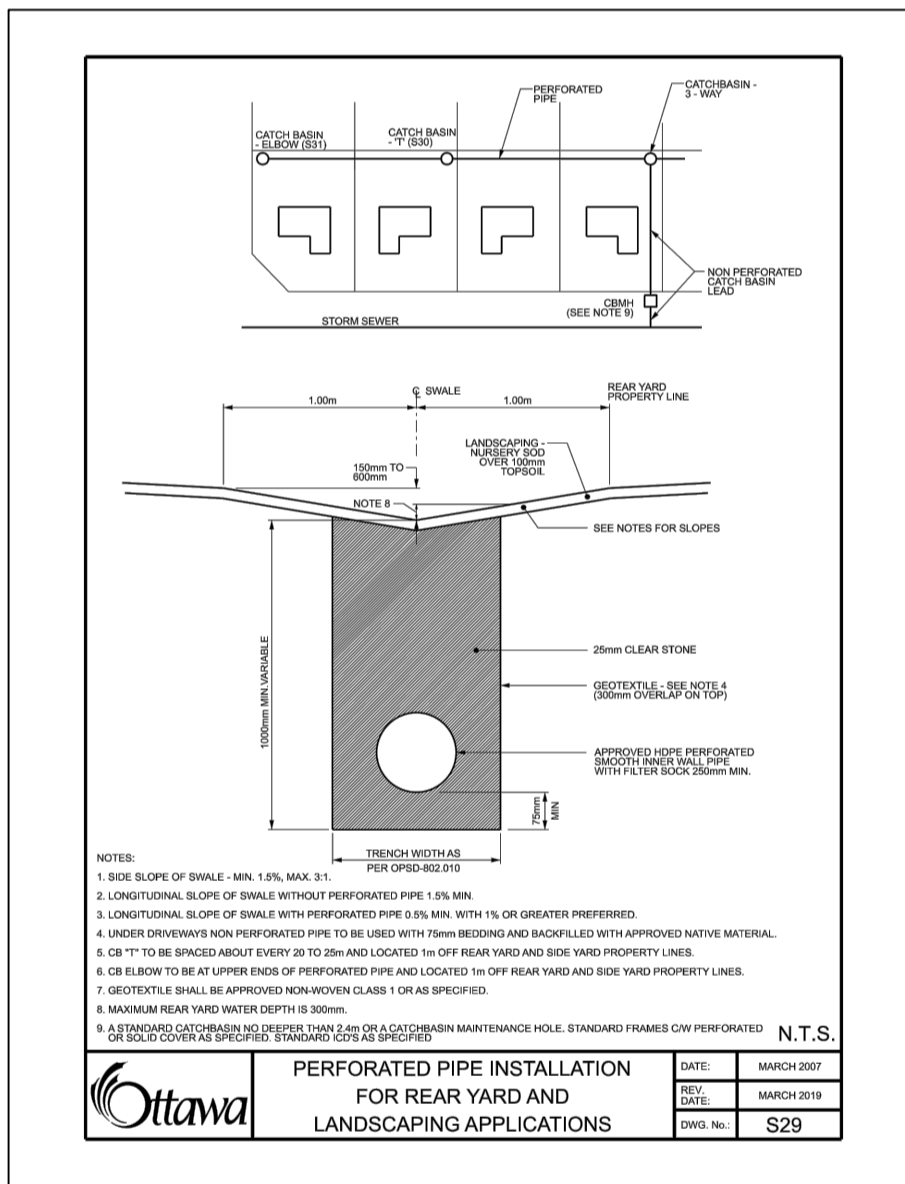
SOCCER FIELD		
COURSE	MATERIAL	THICKNESS
SURFACE	TOPSOIL	150 mm
BASECOURSE	GROWING MEDIUM	150 mm
SUBBASE	OPSS GRANULAR 'B' TYPE II	450 mm

RUNNING TRACK		
COURSE	MATERIAL	THICKNESS
SURFACE	STONE DUST	100 mm
SUBBASE	OPSS GRANULAR 'B' TYPE II	300 mm

**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.)**

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.



ISSUE NO.	REV. NO.	DATE	ISSUE
3	2	19/11/29	ISSUED FOR PERMIT AND CLASS A ESTIMATE
2	1	19/09/18	ISSUED FOR DD AND CLASS C COST ESTIMATE
1	0	19/07/24	ISSUED FOR SITE PLAN APPLICATION



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	AS SHOWN	PROJ. No	ISSUE No	REV. No
ECHELLE		19M-00179-00	2	1
DRAWN BY	D.B.Y.	DRAWING/DESSIN		
CHECKED BY	J.J.	<b>C01</b>		
DATE	2019-05-17			

ROAD FILE/PROJET 19M-00179-00\_CIVIL.DWG

CATCHBASIN/CATCHBASIN MANHOLE AND ICD DATA TABLE table with columns: STRUCTURE ID, AREA ID, STRUCTURE, COVER, TOP OF GRATE, INVERT (INLET, INLET, INLET, OUTLET), DIAMETER (mm), TYPE, HEAD, FLOW, ICE TYPE.

STORM STRUCTURE TABLE table with columns: STRUCTURE ID, TOP OF GRATE, INVERT (INLET, INLET, INLET, OUTLET), SIZE, DESCRIPTION, OPSD, COVER.

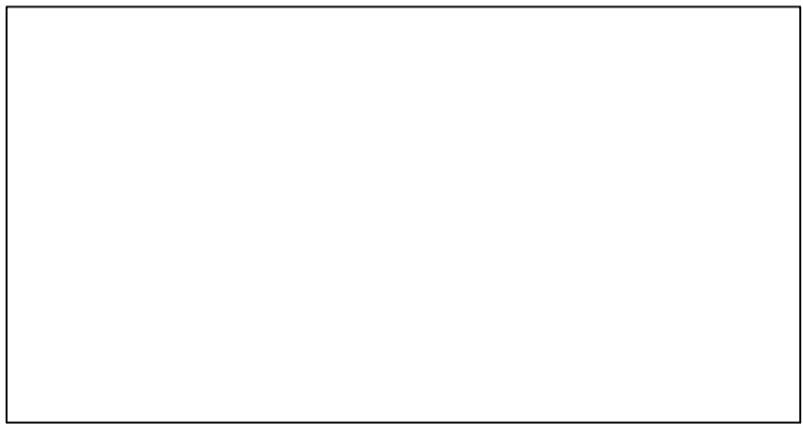
WATERMAIN SCHEDULE table with columns: STATION, DESCRIPTION, FINISHED GRADE, TOP OF WATERMAIN, AS-BUILT WATERMAIN.

PIPE CROSSING TABLE table with columns: Structure ID, Pipe Description, Invert, Obvert, Clearance Under, Invert, Structure ID, Pipe Description, Clearance Under.

SAN STRUCTURE TABLE table with columns: STRUCTURE ID, TOP OF GRATE ELEVATION, INVERT (INLET, INLET, OUTLET), SIZE, DESCRIPTION, OPSD, COVER.

Logo of OTTAWA-CARLETON DISTRICT SCHOOL BOARD and KEY PLAN showing the project site location.

Revisions table with columns: No., Date, Issue, and Description of changes.



Professional Engineer and Professional Designer stamps for D. B. Yang and J. C. Johnston.

WSP logo and contact information for the engineering group.

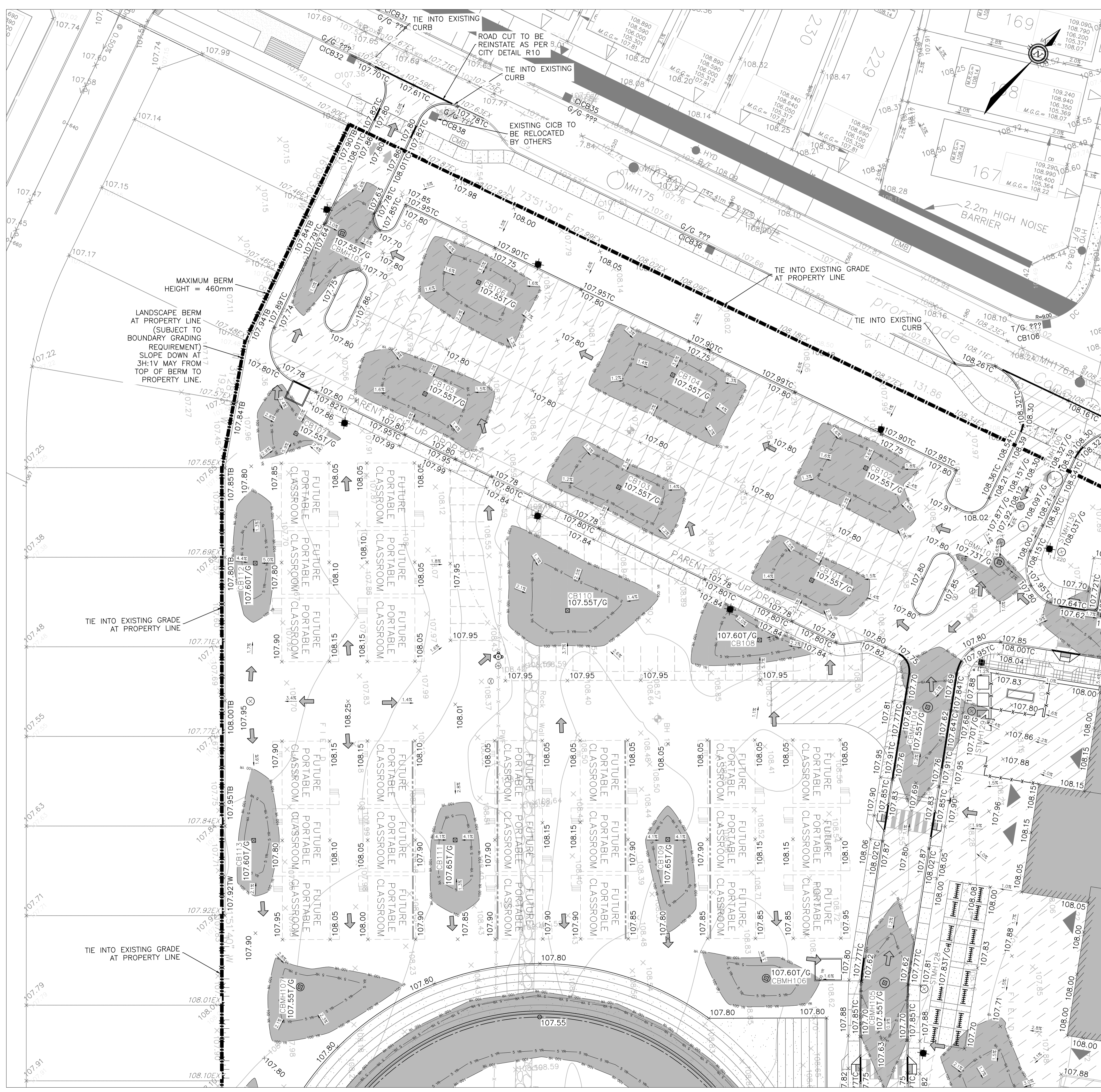
PROJECT TITLE/TITRE DU PROJET: NEW STITTVILLE HIGH SCHOOL 700 COPE DRIVE STITTVILLE, ON

SERVICING DESIGN TABLES

SCALE, PROJ. No., ISSUE No., REV. No., DRAWN BY, CHECKED BY, DATE table.

07-12-19-0144

Plot Stamp for Use Only  
Print Date: 27/11/2019 Plot Time: 12:28:24 Author: B.Y. JANG, WINSTON  
Page Status:   
Printer: DWG TO PDF PLOT1



**LEGEND:**

- EXISTING FIRE HYDRANT
- EXISTING V&V
- EXISTING VALVE CHAMBER
- PROPOSED FIRE HYDRANT
- PROPOSED V&V
- PROPOSED REMOTE METER
- PROPOSED METER
- PROPOSED CATCHBASIN MANHOLE
- PROPOSE CATCHBASIN
- PROPOSE LANDSCAPE CATCHBASIN
- EXISTING CATCHBASIN MANHOLE
- EXISTING GRADE
- PROPOSED GRADE
- PROPOSED TOP OF CURB
- PROPOSED SWALE ELEVATION
- PROPOSED SLOPE
- 100 YEAR PONDING LIMIT
- 5 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)

3 2 19/11/29 ISSUED FOR PERMIT AND CLASS A ESTIMATE  
 2 1 19/09/18 ISSUED FOR DD AND CLASS C COST ESTIMATE  
 1 0 19/07/24 ISSUED FOR SITE PLAN APPLICATION

ISSUE NO.	REV. NO.	DATE	ISSUE
		2019-11-29	

NOT VALID UNLESS SIGNED AND DATED

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

PROJECT TITLE/TITRE DU PROJET  
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DRAWING TITLE/TITRE DU DESSIN  
**GRADING PLAN**  
NORTH WEST SECTOR

SCALE	PROJ. No	ISSUE No	REV. No
ECHELLE	AS SHOWN	19M-00179-00	3 1

DRAWN BY: D.B.Y. DRAWING/DESSIN  
 CHECKED BY: J.J.  
 DATE: 2019-05-17

**C03**

SCALE: 1:300

OTTAWA-CARLETON DISTRICT SCHOOL BOARD

KEY PLAN

ISSUE NO.	REV. NO.	DATE	ISSUE
3	2	19/11/29	ISSUED FOR PERMIT AND CLASS A ESTIMATE
2	1	19/09/18	ISSUED FOR DD AND CLASS C COST ESTIMATE
1	0	19/07/24	ISSUED FOR SITE PLAN APPLICATION

NOT VALID UNLESS SIGNED AND DATED

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

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

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DRAWING TITLE/TITRE DU DESSIN  
**GRADING PLAN**  
NORTH WEST SECTOR

SCALE	PROJ. No	ISSUE No	REV. No
ECHELLE	AS SHOWN	19M-00179-00	3 1

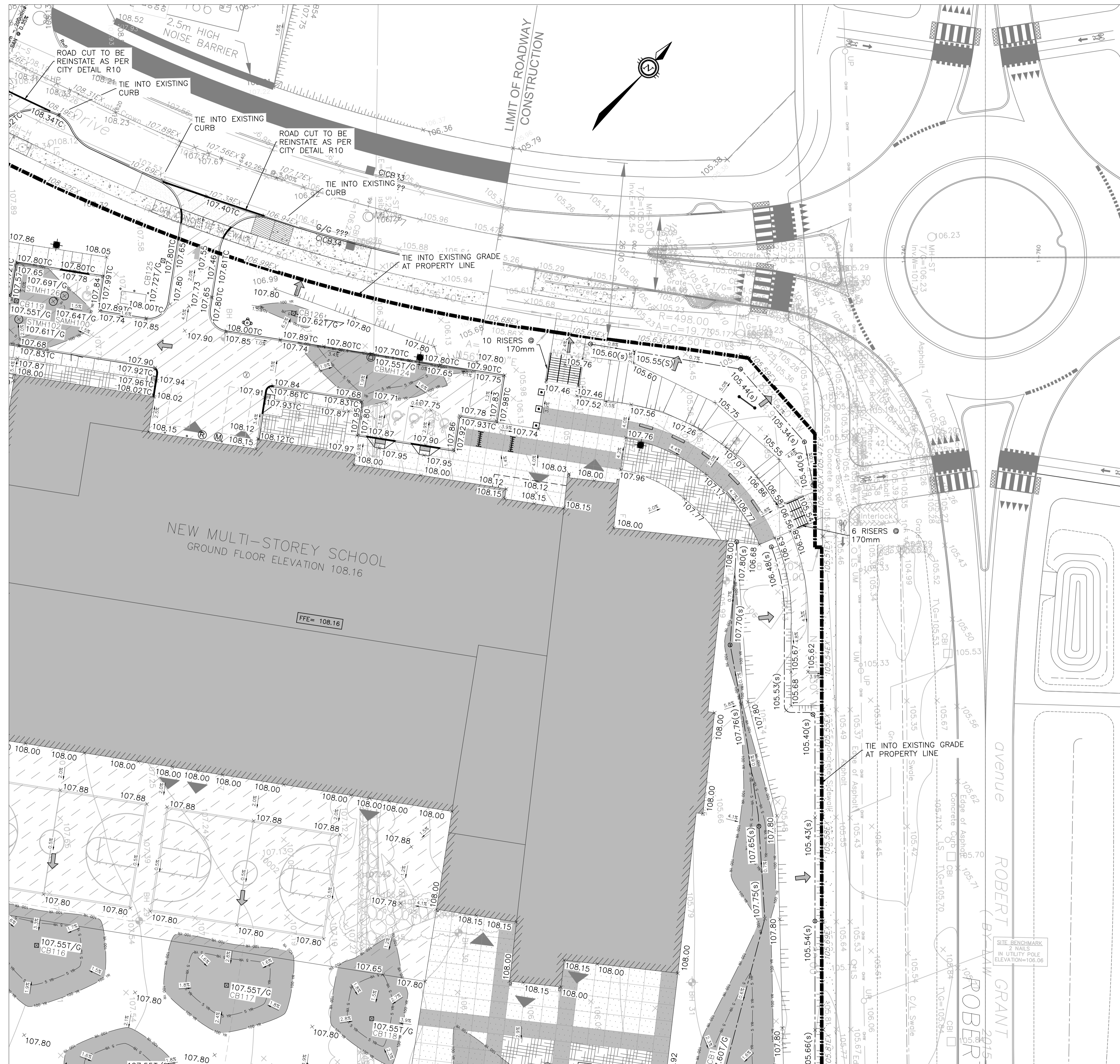
DRAWN BY: D.B.Y. DRAWING/DESSIN  
 CHECKED BY: J.J.  
 DATE: 2019-05-17

**C03**

SCALE: 1:300

D07-12-19-0144 #18011

Plot Date: 26/11/2019 Plot Time: 2:27:46 PM Plot By: YANG, WINSTON  
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 Project: 19M-00179-00  
 Page: 1 of 1



**LEGEND:**

- EXISTING FIRE HYDRANT
- EXISTING V&V
- EXISTING VALVE CHAMBER
- PROPOSED FIRE HYDRANT
- PROPOSED V&V
- PROPOSED REMOTE METER
- PROPOSED METER
- PROPOSED CATCHBASIN MANHOLE
- PROPOSED CATCHBASIN
- PROPOSED LANDSCAPE CATCHBASIN
- EXISTING CATCHBASIN MANHOLE
- EXISTING GRADE
- PROPOSED GRADE
- PROPOSED TOP OF CURB
- PROPOSED SWALE ELEVATION
- PROPOSED SLOPE
- 100 YEAR PONDING LIMIT
- 5 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)

3 2 19/11/29 ISSUED FOR PERMIT AND CLASS A ESTIMATE  
 2 1 19/09/18 ISSUED FOR DD AND CLASS C COST ESTIMATE  
 1 0 19/07/24 ISSUED FOR SITE PLAN APPLICATION

ISSUE NO.	REV. NO.	DATE	ISSUE
3	2	19/11/29	ISSUED FOR PERMIT AND CLASS A ESTIMATE
2	1	19/09/18	ISSUED FOR DD AND CLASS C COST ESTIMATE
1	0	19/07/24	ISSUED FOR SITE PLAN APPLICATION

NOT VALID UNLESS SIGNED AND DATED

**wsp**

300-2611 QUEENVIEW 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  
**GRADING PLAN**  
 NORTH EAST SECTOR

SCALE	PROJ. No	ISSUE No	REV. No
ECHELLE AS SHOWN	19M-00179-00	2	1

DRAWN BY: D.B.Y.  
 CHECKED BY: J.J.  
 DATE: 2019-05-17

**C04**

SCALE: 1:300

19M-00179-00\_CIVIL.DWG

**OTTAWA-CARLETON DISTRICT SCHOOL BOARD**

KEY PLAN (IN SET)

ISSUE NO.	REV. NO.	DATE	ISSUE
3	2	19/11/29	ISSUED FOR PERMIT AND CLASS A ESTIMATE
2	1	19/09/18	ISSUED FOR DD AND CLASS C COST ESTIMATE
1	0	19/07/24	ISSUED FOR SITE PLAN APPLICATION

REGISTERED PROFESSIONAL ENGINEER  
 D. B. YANG  
 100230568  
 2019-11-29  
 PROVINCE OF ONTARIO

REGISTERED PROFESSIONAL ENGINEER  
 J. C. JOHNSTON  
 100230568  
 2019-11-29  
 PROVINCE OF ONTARIO

NOT VALID UNLESS SIGNED AND DATED

**wsp**

300-2611 QUEENVIEW 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  
**GRADING PLAN**  
 NORTH EAST SECTOR

SCALE	PROJ. No	ISSUE No	REV. No
ECHELLE AS SHOWN	19M-00179-00	2	1

DRAWN BY: D.B.Y.  
 CHECKED BY: J.J.  
 DATE: 2019-05-17

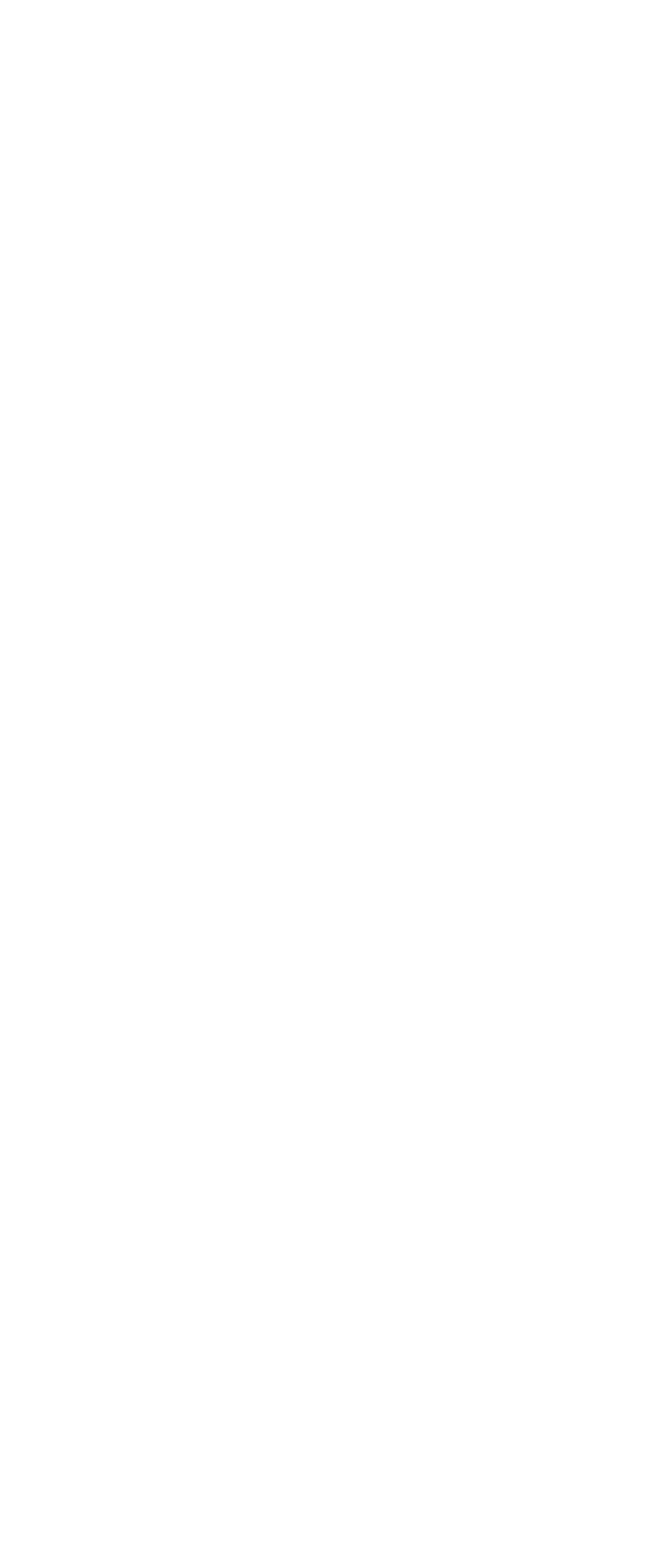
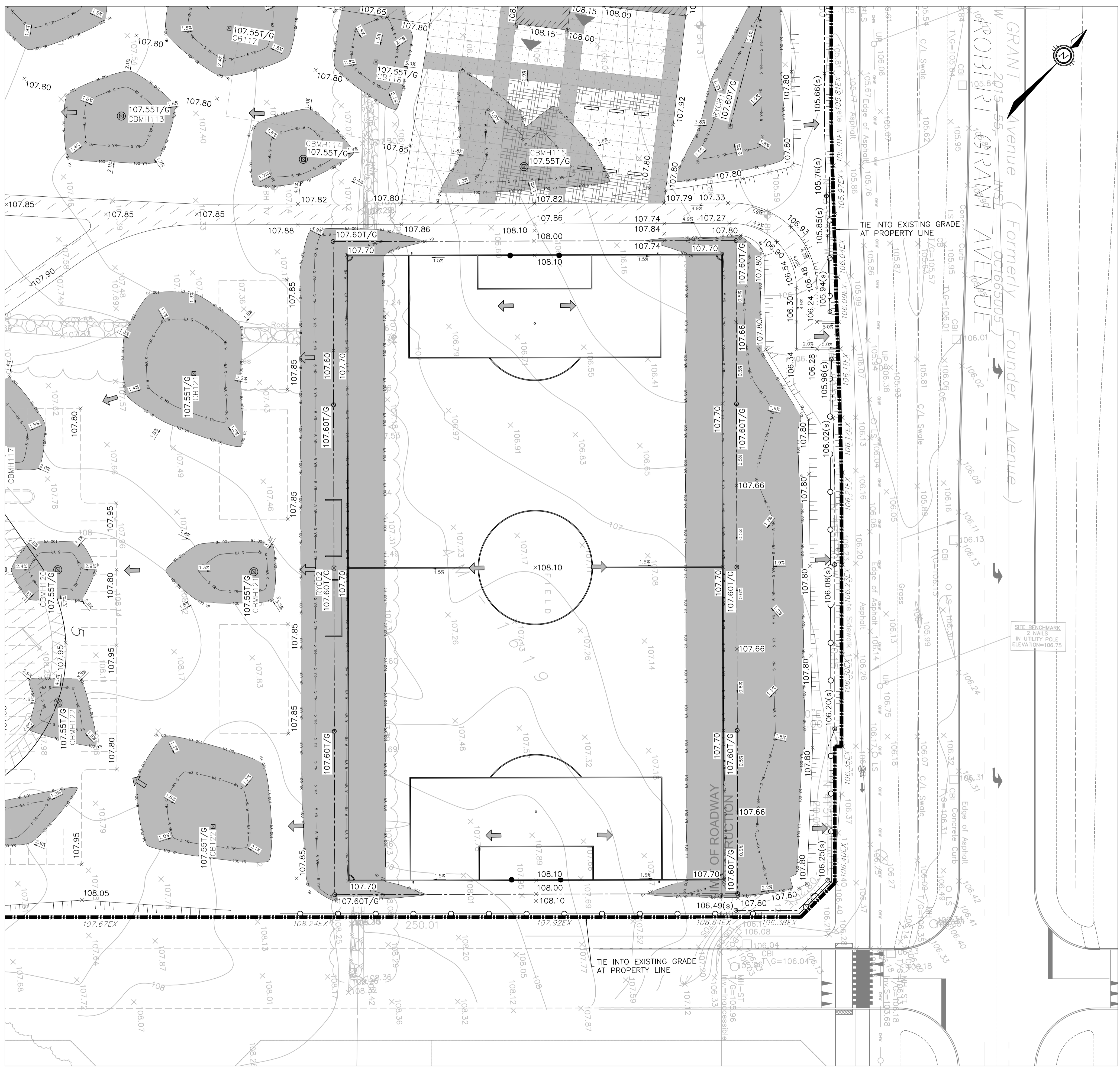
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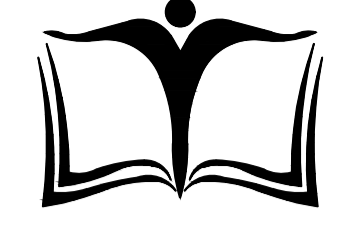
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19M-00179-00\_CIVIL.DWG

D07-12-19-0144

Plot Date: 06/17/2019 Plot Time: 3:28:25 PM Plot By: YANG, WINSTON Plot Stamp For Use Only  
 Page Number: 200/PC1  
 Plotter: DWG TO PDF PLOT

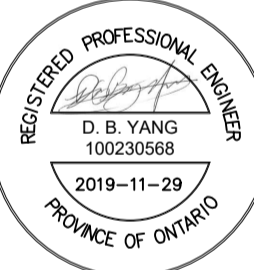



  
 OTTAWA-CARLETON DISTRICT SCHOOL BOARD



KEY PLAN  
(IN 1:5)

ISSUE NO.	REV. NO.	DATE	ISSUE
3	2	19/11/29	ISSUED FOR PERMIT AND CLASS A ESTIMATE
2	1	19/09/18	ISSUED FOR DD AND CLASS C COST ESTIMATE
1	0	19/07/24	ISSUED FOR SITE PLAN APPLICATION

  
 REGISTERED PROFESSIONAL ENGINEER  
 D. B. YANG  
 100239568  
 2019-11-29  
 PROVINCE OF ONTARIO

  
 REGISTERED PROFESSIONAL ENGINEER  
 J. C. JOHNSTON  
 2019-11-29  
 PROVINCE OF ONTARIO

NOT VALID UNLESS SIGNED AND DATED

  
 300-2611 QUEENSWAY 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  
**GRADING PLAN**  
**SOUTH EAST SECTOR**

SCALE	PROJ. No	ISSUE No	REV. No
ECHELLE AS SHOWN	19M-00179-00	2	1

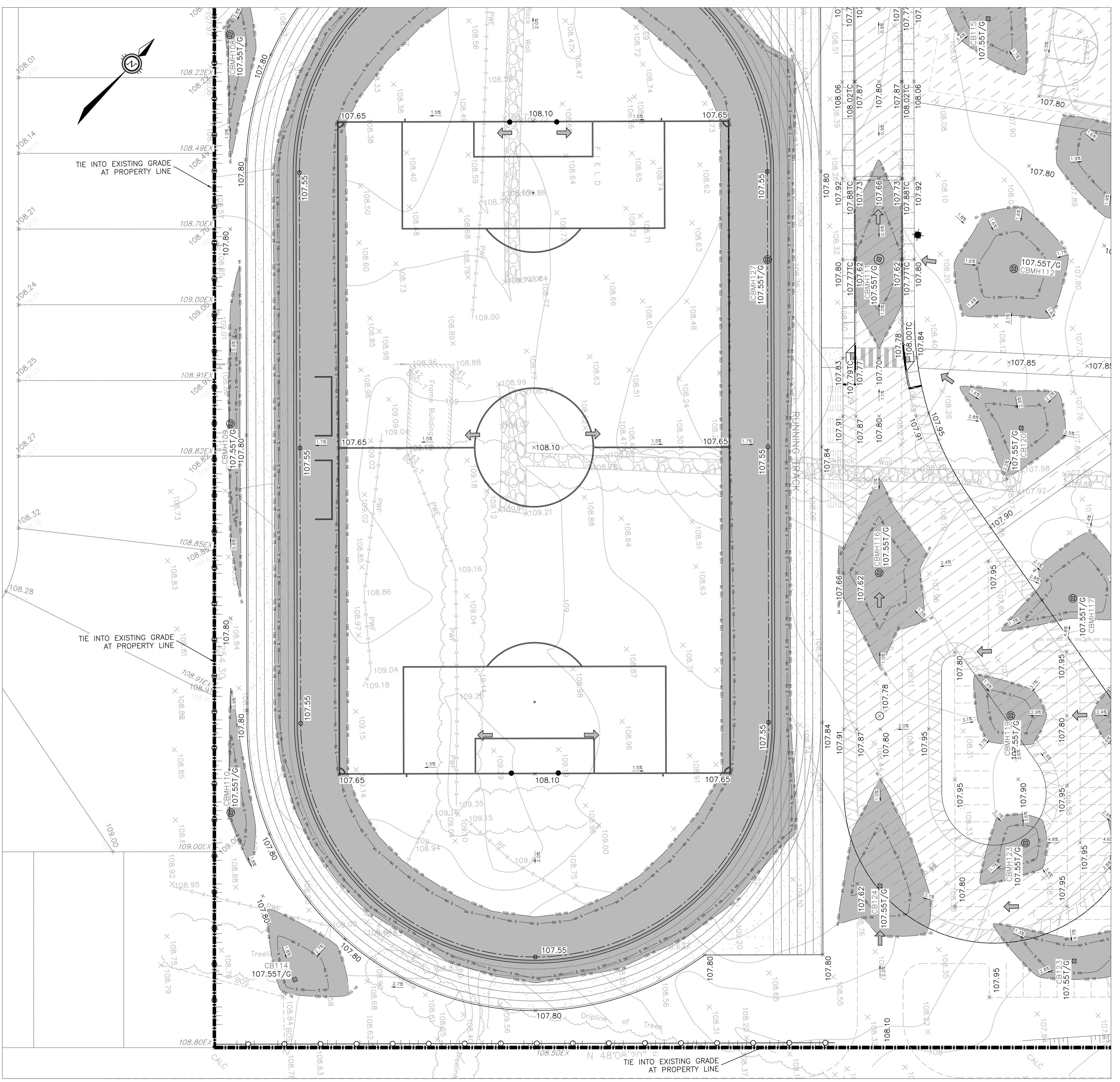
DRAWN BY / DESSINE PAR: D.B.Y.  
 CHECKED BY / VERIFIE PAR: J.J.  
 DATE: 2019-05-17

C05

ACAD FILE/FICHER 19M-00179-00\_CIVIL.DWG

D07-12-19-0144 #18011

Plot Date: 26/11/2019 Plot Time: 2:29:33 Plot By: YANG, WINDSON Plot Stamp For Use Only  
 Page Size: 11x17 PCL  
 Plotter: DWG TO PDF PLOT



**LEGEND:**

- EXISTING FIRE HYDRANT
- EXISTING V&VB
- EXISTING VALVE CHAMBER
- PROPOSED FIRE HYDRANT
- PROPOSED V&VB
- PROPOSED REMOTE METER
- PROPOSED METER
- PROPOSED CATCHBASIN MANHOLE
- PROPOSED CATCHBASIN
- PROPOSED LANDSCAPE CATCHBASIN
- EXISTING CATCHBASIN MANHOLE
- EXISTING GRADE
- PROPOSED GRADE
- PROPOSED TOP OF CURB
- PROPOSED SWALE ELEVATION
- PROPOSED SLOPE
- 100 YEAR PONDING LIMIT
- 5 YEAR PONDING LIMIT
- SIAMASE CONNECTION
- OVERLAND MAJOR FLOW ROUTE
- PROPOSED CONCRETE CURB
- EXISTING BUILDING OR STRUCTURE
- LIMIT OF CONSTRUCTION
- PROPOSED CENTERLINE OF SWALE
- PROPOSED TERRACING (3:1 MAX)

3	2	19/11/29	ISSUED FOR PERMIT AND CLASS A ESTIMATE
2	1	19/09/18	ISSUED FOR DD AND CLASS C COST ESTIMATE
1	0	19/07/24	ISSUED FOR SITE PLAN APPLICATION

ISSUE NO.	REV. NO.	DATE	ISSUE
		19/11-29	

**WSP**

300-2611 QUEENSWAY 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  
**GRADING PLAN**  
**SOUTH WEST SECTOR**

SCALE	AS SHOWN	PROJ. No	19M-00179-00	ISSUE No	2	REV. No	1
DRAWN BY	D.B.Y.	DRAWING/DESSIN	<b>C06</b>				
CHECKED BY	J.J.						
DATE	2019-05-17						

SCALE: 1:300

OTTAWA-CARLETON  
DISTRICT SCHOOL BOARD

KEY PLAN  
(IN 1:5)

ISSUE NO.	REV. NO.	DATE	ISSUE
3	2	19/11/29	ISSUED FOR PERMIT AND CLASS A ESTIMATE
2	1	19/09/18	ISSUED FOR DD AND CLASS C COST ESTIMATE
1	0	19/07/24	ISSUED FOR SITE PLAN APPLICATION

NOT VALID UNLESS SIGNED AND DATED

REGISTERED PROFESSIONAL ENGINEER  
 D.B. YANG  
 100230569  
 PROVINCE OF ONTARIO

REGISTERED PROFESSIONAL ENGINEER  
 J.C. JOHNSTON  
 2019-11-29  
 PROVINCE OF ONTARIO

**wsp**

300-2611 QUEENSWAY 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  
**GRADING PLAN**  
**SOUTH WEST SECTOR**

SCALE	AS SHOWN	PROJ. No	19M-00179-00	ISSUE No	2	REV. No	1
DRAWN BY	D.B.Y.	DRAWING/DESSIN	<b>C06</b>				
CHECKED BY	J.J.						
DATE	2019-05-17						

SCALE: 1:300

D07-12-19-0144 #18011

Plot Stamp For Use Only  
 Plot Date: 27/11/2019 Plot Time: 12:31:06 Plotter: BY: WANG, WINDSON  
 Page Number: 1



**LEGEND:**

- EXISTING FIRE HYDRANT
- EXISTING VALVE CHAMBER
- EXISTING VALVE CHAMBER
- PROPOSED FIRE HYDRANT
- PROPOSED VALVE CHAMBER
- PROPOSED REMOTE METER
- PROPOSED METER
- PROPOSED CATCHBASIN MANHOLE
- PROPOSED CATCHBASIN
- PROPOSED LANDSCAPE CATCHBASIN
- EXISTING CATCHBASIN MANHOLE
- EXISTING SANITARY SEWER AND MANHOLE
- PROPOSED SANITARY SEWER AND MANHOLE
- EXISTING STORM SEWER AND MANHOLE
- PROPOSED STORM SEWER AND MANHOLE
- PROPOSED WATERMAIN
- PROPOSED SUBDRAIN
- EXISTING WATERMAIN
- PROPOSED FIRE HYDRANT
- PROPOSED VALVE CHAMBER
- SIAMSE CONNECTION
- PROPOSED CENTERLINE OF SWALE
- PROPOSED TERRACING (3:1 MAX)
- PROPOSED CONCRETE CURB
- EXISTING BUILDING OR STRUCTURE
- LIMIT OF CONSTRUCTION
- EXISTING CONCRETE CURB
- 100 YEAR PONDING LIMIT
- 5 YEAR PONDING LIMIT

Scale: 1:300

OTTAWA-CARLETON DISTRICT SCHOOL BOARD

KEY PLAN (IN SET)

ISSUE NO.	REV. NO.	DATE	ISSUE
3	2	19/11/29	ISSUED FOR PERMIT AND CLASS A ESTIMATE
2	1	19/09/18	ISSUED FOR DD AND CLASS C COST ESTIMATE
1	0	19/07/24	ISSUED FOR SITE PLAN APPLICATION

REGISTERED PROFESSIONAL ENGINEER  
 D. B. YANG  
 100293668  
 2019-11-29  
 PROVINCE OF ONTARIO

REGISTERED PROFESSIONAL ENGINEER  
 J. C. JOHNSTON  
 100293668  
 2019-11-29  
 PROVINCE OF ONTARIO

NOT VALID UNLESS SIGNED AND DATED

300-2611 QUEENSWAY 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**

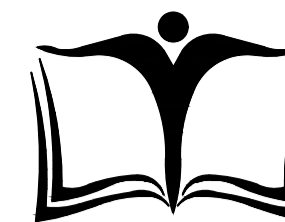
OTTAWA CARLETON DISTRICT SCHOOL BOARD  
 NEPEAN, ON K2H 6L3  
 133 GREENBANK ROAD

DRAWING TITLE/TITRE DU DESSIN  
**SITE SERVICING PLAN  
 NORTH WEST SECTOR**

SCALE	PROJ. No	ISSUE No	REV. No
ECHELLE	AS SHOWN	19M-00179-00	2
DRAWN BY	D.B.Y.	DRAWING/DESSIN	
CHECKED BY	J.J.		
DATE	2019-05-17		

SCALE: 1:300

D07-12-19-0144



OTTAWA-CARLETON DISTRICT SCHOOL BOARD



ISSUE NO.	REV. NO.	DATE	ISSUE
3	2	19/11/29	ISSUED FOR PERMIT AND CLASS A ESTIMATE
2	1	19/09/18	ISSUED FOR DD AND CLASS C COST ESTIMATE
1	0	19/07/24	ISSUED FOR SITE PLAN APPLICATION

ISSUE NO.	REV. NO.	DATE	ISSUE
3	2	19/11/29	ISSUED FOR PERMIT AND CLASS A ESTIMATE
2	1	19/09/18	ISSUED FOR DD AND CLASS C COST ESTIMATE
1	0	19/07/24	ISSUED FOR SITE PLAN APPLICATION



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

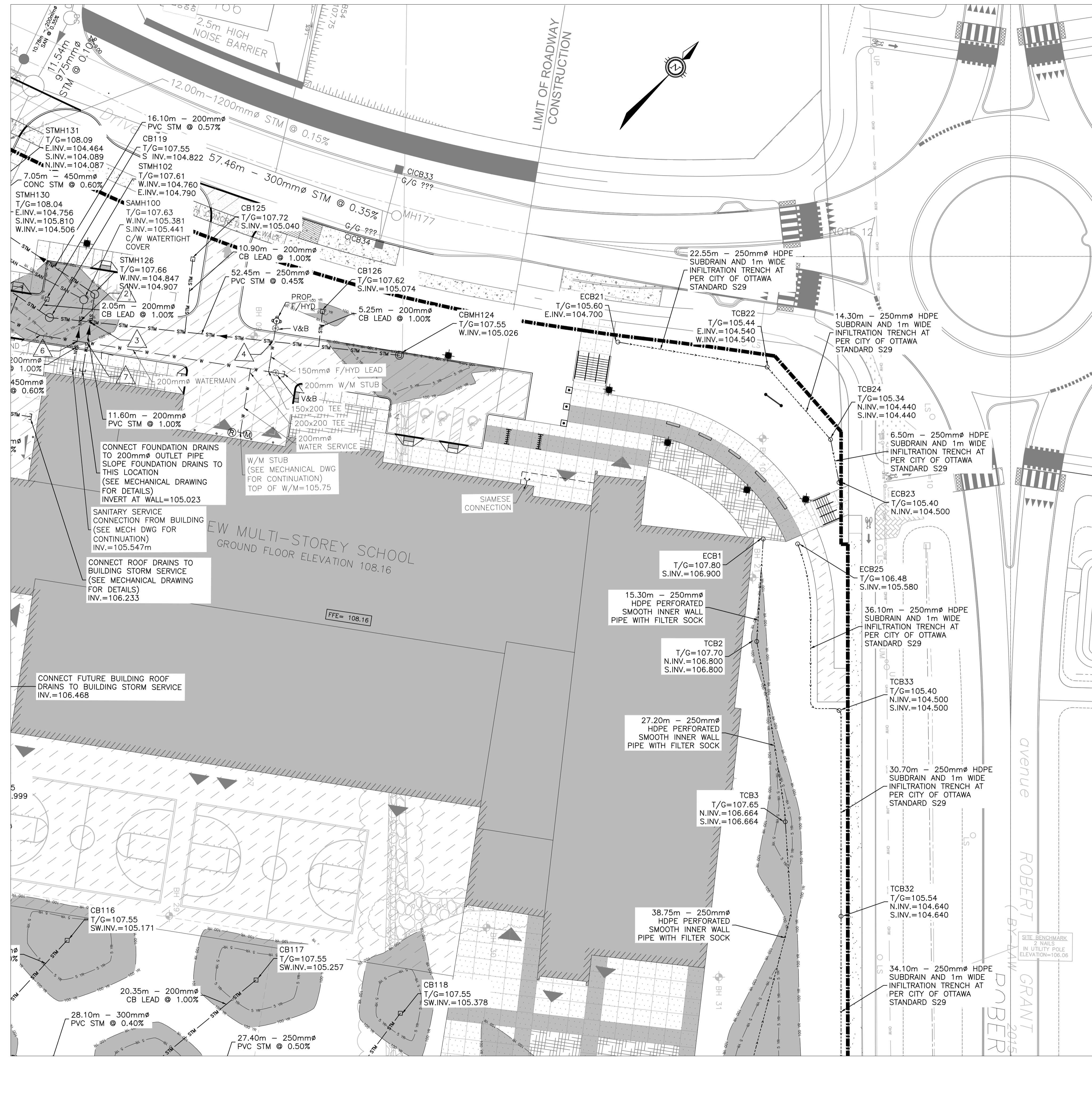
OTTAWA CARLETON DISTRICT SCHOOL BOARD  
 NEPEAN, ON K2H 6L3  
 133 GREENBANK ROAD

DRAWING TITLE/TITRE DU DESSIN  
**SITE SERVICING PLAN**  
 NORTH EAST SECTOR

SCALE	PROJ. No	ISSUE No	REV. No
ECHELLE AS SHOWN	19M-00179-00	2	1
DRAWN BY / DESSINE PAR	D.B.Y.		
CHECKED BY / VERIFIE PAR	J.J.		
DATE	2019-05-17		

ACAD FILE/FICHER 19M-00179-00\_CIVIL.DWG

**C08**



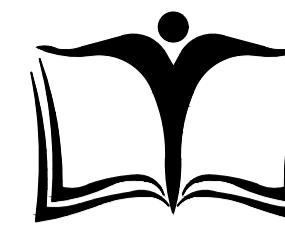
**LEGEND:**

- EXISTING FIRE HYDRANT
- EXISTING V&B
- 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
- EXISTING STORM SEWER AND MANHOLE
- PROPOSED STORM SEWER AND MANHOLE
- PROPOSED WATERMAIN
- PROPOSED SUBDRAIN
- EXISTING WATERMAIN
- PROPOSED FIRE HYDRANT
- 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
- 100 YEAR PONDING LIMIT
- 5 YEAR PONDING LIMIT

Plot Date: 20/07/2019 Plot Time: 3:34:41 PM Plot By: YANG, WINDSON Plot Stamp For Use Only  
 Plot Date: 20/07/2019 Plot Time: 3:34:41 PM Plot By: YANG, WINDSON Plot Stamp For Use Only  
 Plot Date: 20/07/2019 Plot Time: 3:34:41 PM Plot By: YANG, WINDSON Plot Stamp For Use Only

D07-12-19-0144  
 #18011





OTTAWA-CARLETON DISTRICT SCHOOL BOARD



ISSUE NO.	REV. NO.	DATE	ISSUE
3	2	19/11/29	ISSUED FOR PERMIT AND CLASS A ESTIMATE
2	1	19/09/18	ISSUED FOR DD AND CLASS C COST ESTIMATE
1	0	19/07/24	ISSUED FOR SITE PLAN APPLICATION

ISSUE NO.	REV. NO.	DATE	ISSUE
3	2	19/11/29	ISSUED FOR PERMIT AND CLASS A ESTIMATE
2	1	19/09/18	ISSUED FOR DD AND CLASS C COST ESTIMATE
1	0	19/07/24	ISSUED FOR SITE PLAN APPLICATION



NOT VALID UNLESS SIGNED AND DATED

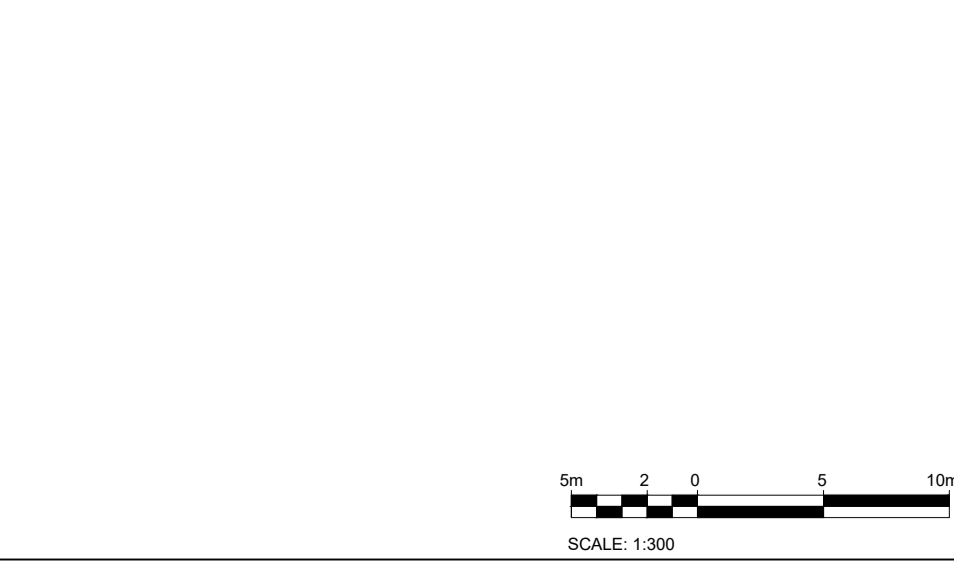
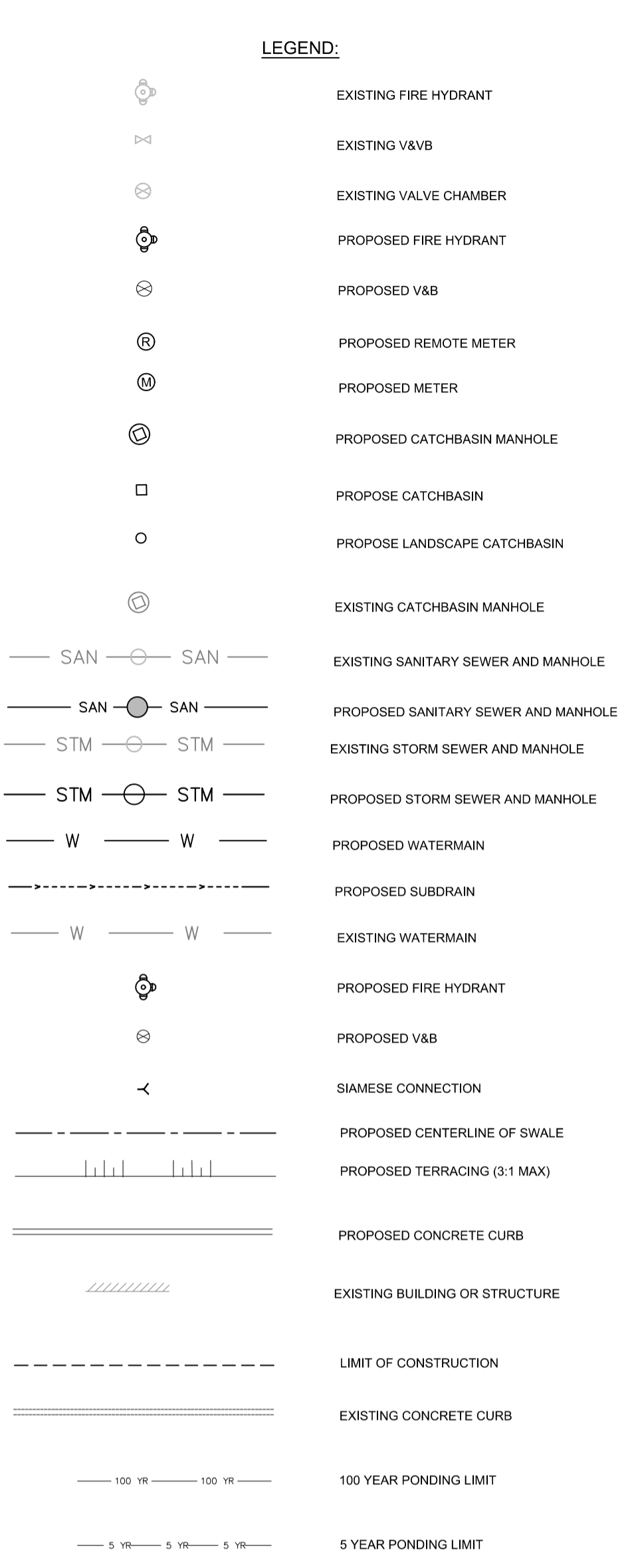
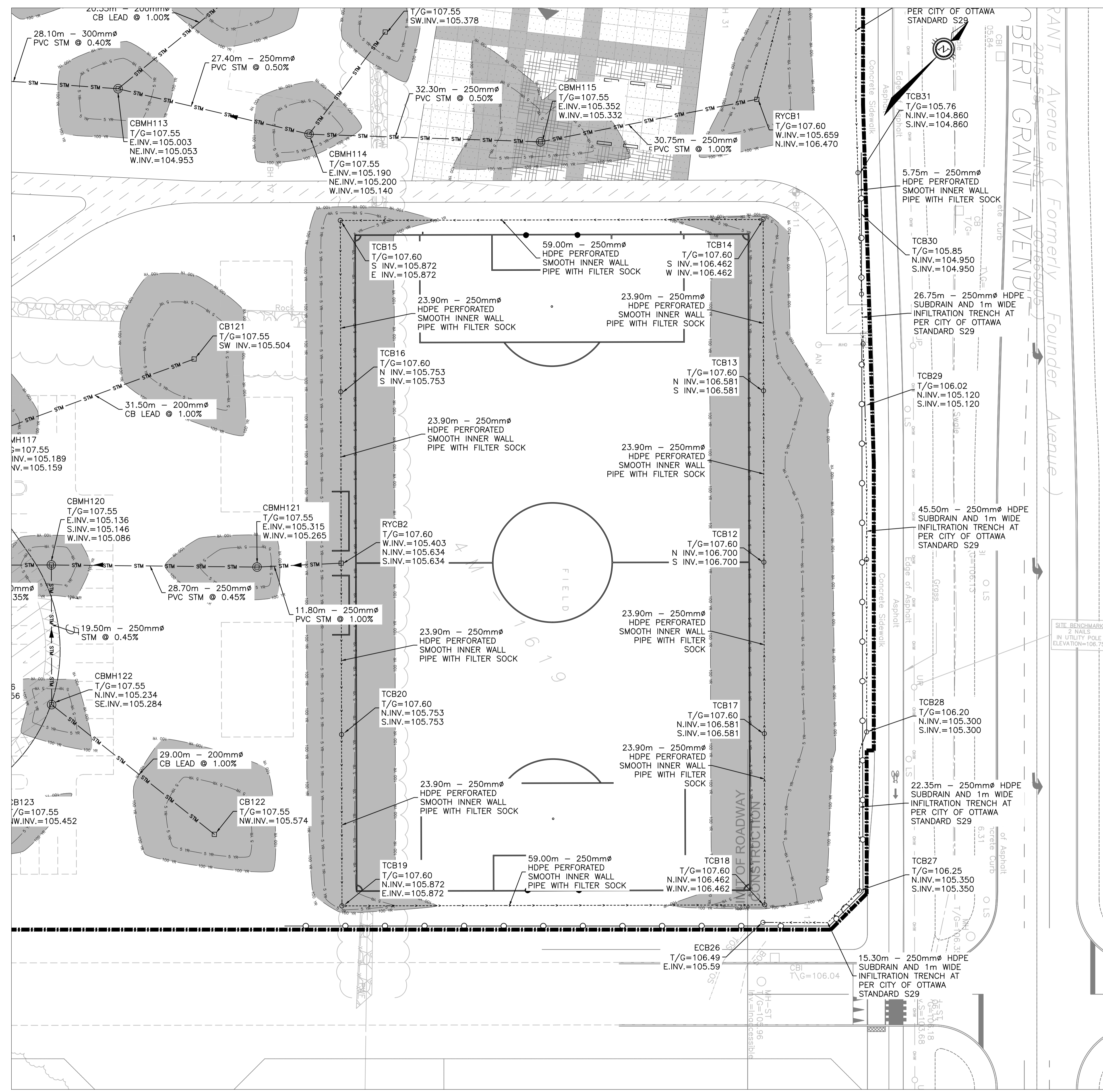


PROJECT TITLE/TITRE DU PROJET  
**NEW STITTSVILLE HIGH SCHOOL**  
 700 COPE DRIVE  
 STITTSVILLE, ON

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

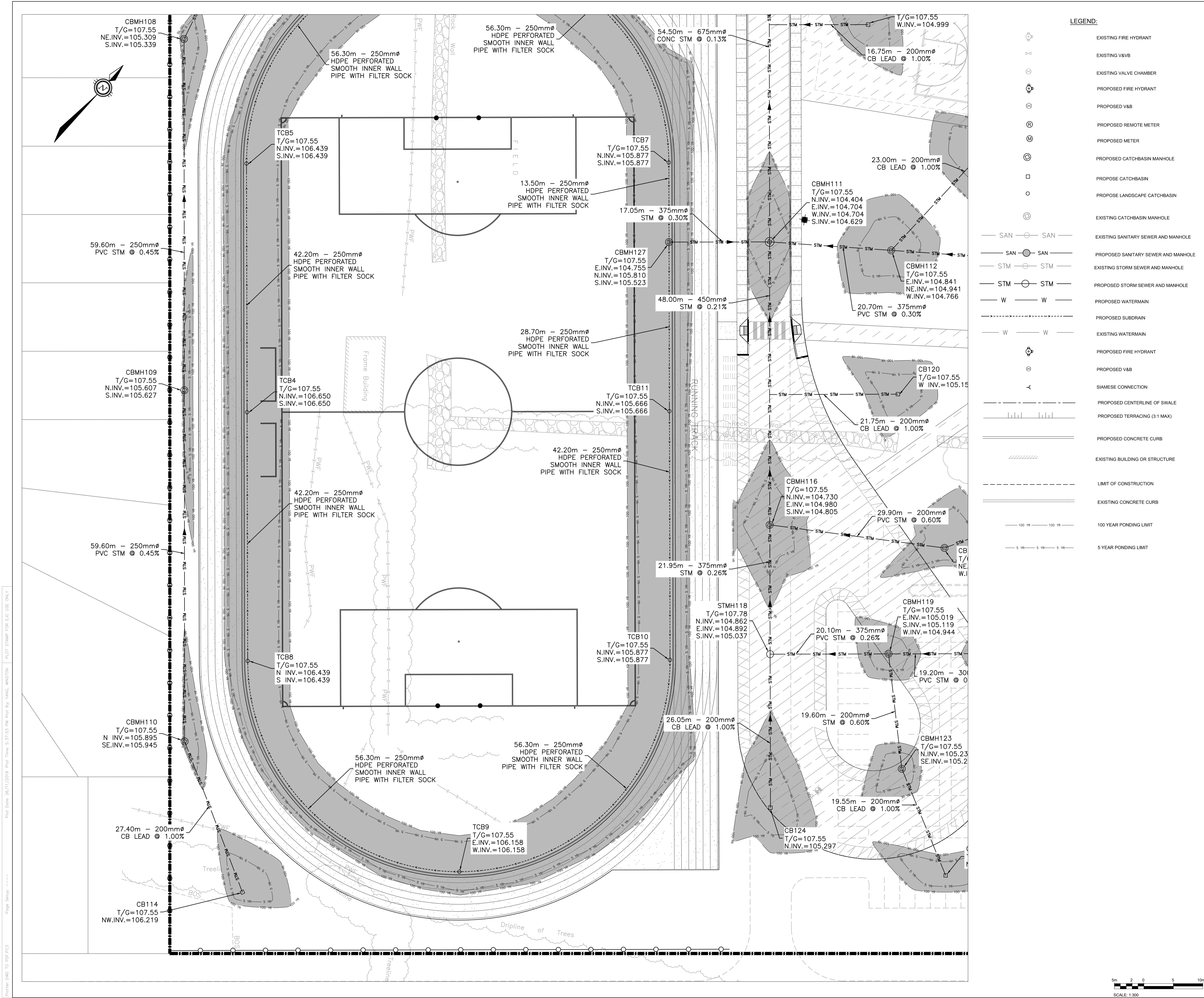
DRAWING TITLE/TITRE DU DESSIN  
**SITE SERVICING PLAN**  
 SOUTH EAST SECTOR

SCALE	PROJ. No	ISSUE No	REV. No
ECHELLE AS SHOWN	19M-00179-00	2	1
DRAWN BY DESSINE PAR	D.B.Y.	DRAWING/DESSIN	
CHECKED BY VERIFIE PAR	J.J.	<b>C09</b>	
DATE	2019-05-17	ACAD FILE/FICHER 19M-00179-00_CIVIL.DWG	



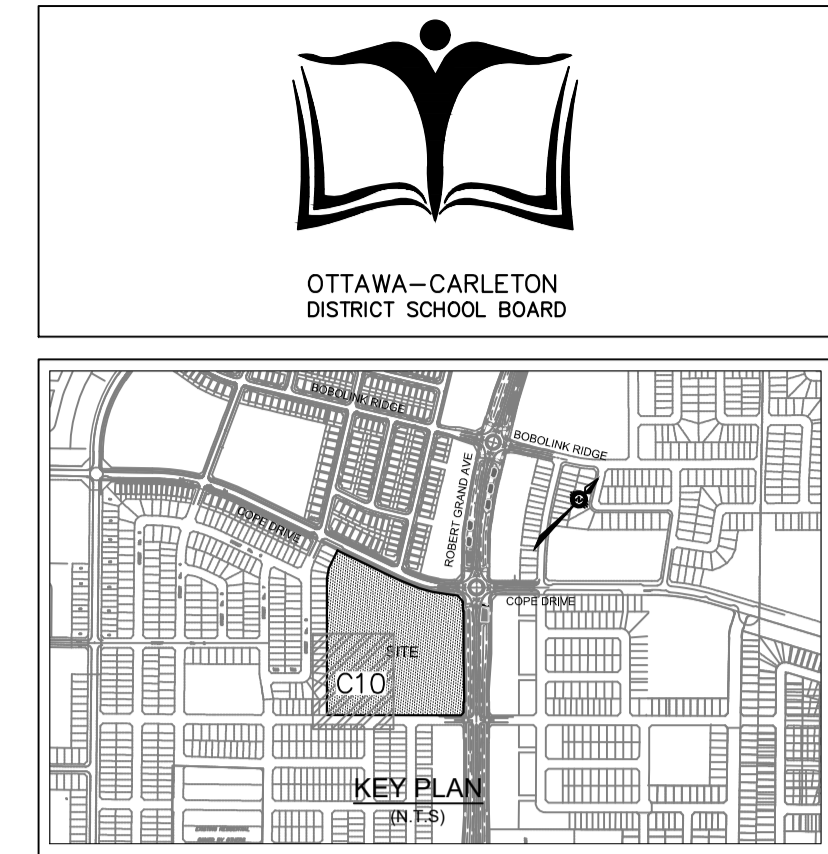
Plot Date: 20/11/2019 Plot Time: 3:35:52 Plot By: YANG, WINDON  
 Plot Stamp For Use Only  
 Plot Stamp  
 Plotter: Dwg To Pdf.plt

D07-12-19-0144  
 #18011



**LEGEND:**

	EXISTING FIRE HYDRANT
	EXISTING V&B
	EXISTING VALVE CHAMBER
	PROPOSED FIRE HYDRANT
	PROPOSED V&B
	PROPOSED REMOTE METER
	PROPOSED METER
	PROPOSED CATCHBASIN MANHOLE
	PROPOSED CATCHBASIN
	PROPOSED LANDSCAPE CATCHBASIN
	EXISTING CATCHBASIN MANHOLE
	EXISTING SANITARY SEWER AND MANHOLE
	PROPOSED SANITARY SEWER AND MANHOLE
	EXISTING STORM SEWER AND MANHOLE
	PROPOSED STORM SEWER AND MANHOLE
	PROPOSED WATERMAIN
	EXISTING WATERMAIN
	PROPOSED SUBDRAIN
	EXISTING FIRE HYDRANT
	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
	100 YEAR PONDING LIMIT
	5 YEAR PONDING LIMIT



3	2	19/11/29	ISSUED FOR PERMIT AND CLASS A ESTIMATE
2	1	19/09/16	ISSUED FOR DD AND CLASS C COST ESTIMATE
1	0	19/07/24	ISSUED FOR SITE PLAN APPLICATION

ISSUE NO.	REV. NO.	DATE	ISSUE
		YYMMDD	

NOT VALID UNLESS SIGNED AND DATED

300-2611 QUEENSWAY 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**

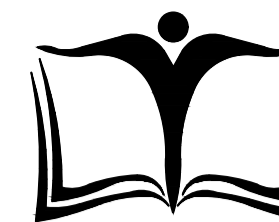
OTTAWA CARLETON DISTRICT SCHOOL BOARD  
NEPEAN, ON K2H 6L3  
133 GREENBANK ROAD

DRAWING TITLE/TITRE DU DESSIN  
**SITE SERVICING PLAN  
SOUTH WEST SECTOR**

SCALE	AS SHOWN	PROJ. No	ISSUE No	REV. No
ECHELLE		19M-00179-00	2	1
DRAWN BY	D.B.Y.	<b>C10</b>		
DESIGNED BY				
CHECKED BY	J.J.			
DATE	2019-05-17	ACAD FILE/FICHER 19M-00179-00_CIVIL.DWG		

Plot Date: 20/05/2019 Plot Time: 3:37:53 PM Plot By: YANGL, WINDSON  
 Paper Size: A0 (1189x1651)  
 Plot Scale: 1:300

D07-12-19-0144



OTTAWA-CARLETON DISTRICT SCHOOL BOARD



ISSUE NO.	REV. NO.	DATE	ISSUE
1	0	19/11/20	ISSUED FOR PERMIT AND CLASS ESTIMATE

REGISTERED PROFESSIONAL ENGINEER  
D. B. WANG  
102230568  
2019-11-29  
PROVINCE OF ONTARIO

REGISTERED PROFESSIONAL ENGINEER  
J. C. JOHNSTON  
2019-11-29  
PROVINCE OF ONTARIO

NOT VALID UNLESS SIGNED AND DATED

**wsp**

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

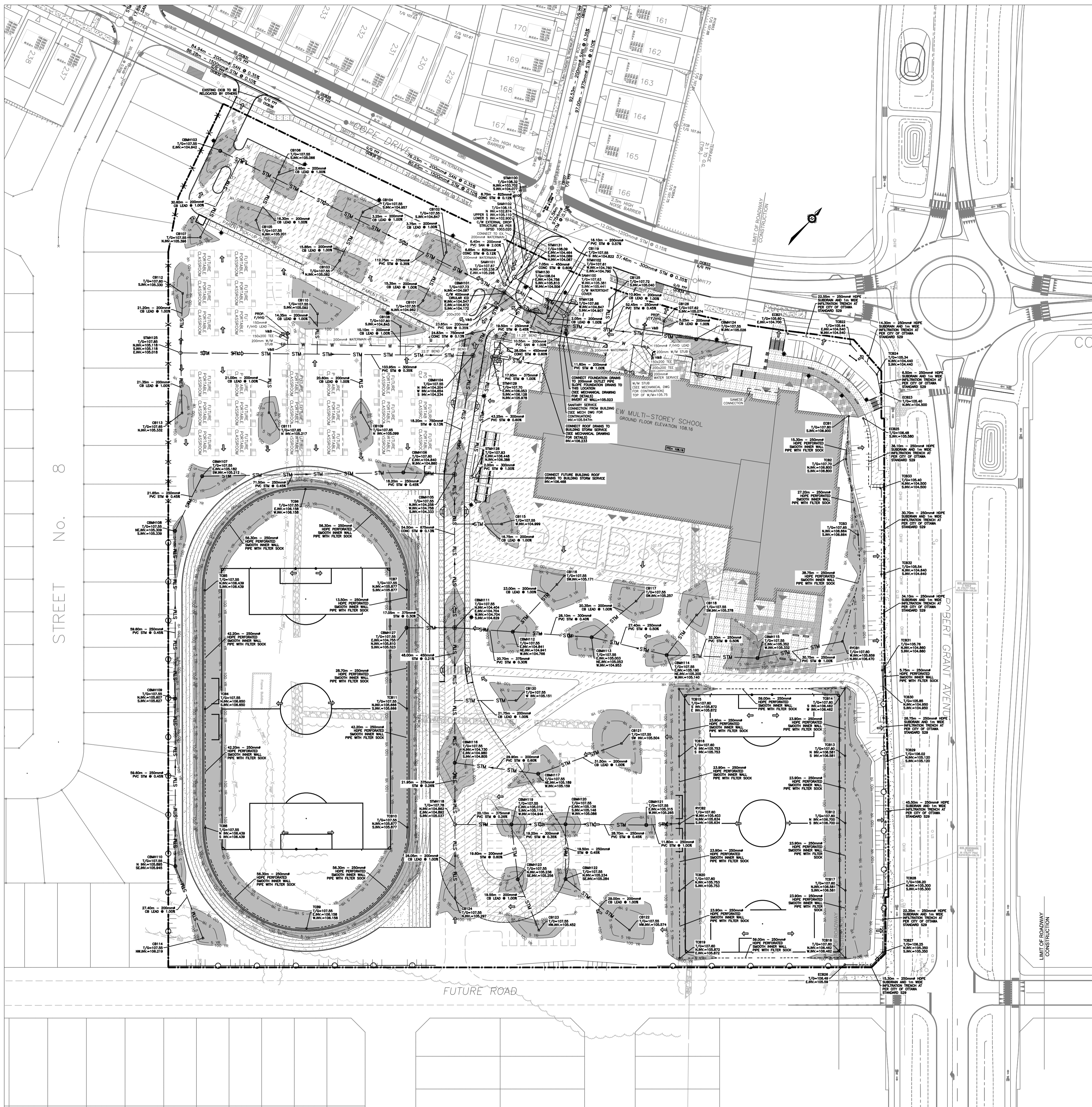
PROJECT TITLE/TITRE DU PROJET  
**NEW STITTSVILLE HIGH SCHOOL  
700 COPE DRIVE  
STITTSVILLE, ON**

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

DRAWING TITLE/TITRE DU DESSIN  
**OVERALL SITE  
SERVICING PLAN**

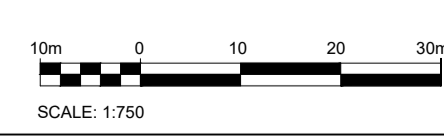
SCALE Echelle	AS SHOWN	PROJ. No 19M-00179-00	ISSUE No 1	REV. No 1
DRAWN BY DESSINE PAR	D.B.Y.	DRAWING/DESSIN		
CHECKED BY VERIFIE PAR	J.J.	<b>C11</b>		
DATE	2019-10-17			

SCALE: 1:750



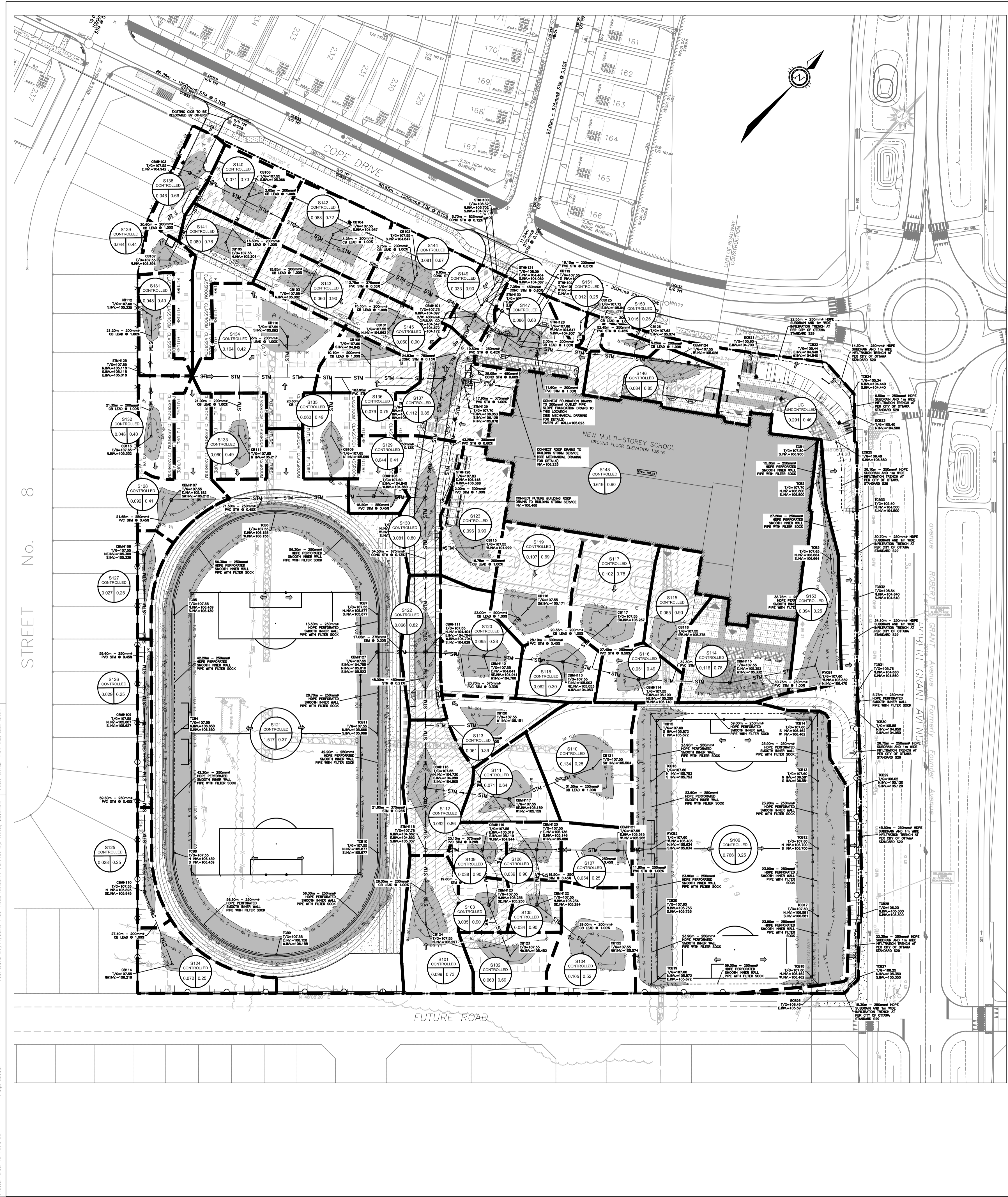
**LEGEND:**

- EXISTING FIRE HYDRANT
- EXISTING V&B
- 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
- EXISTING STORM SEWER AND MANHOLE
- PROPOSED STORM SEWER AND MANHOLE
- PROPOSED WATERMAIN
- PROPOSED SUBDRAIN
- EXISTING WATERMAIN
- PROPOSED FIRE HYDRANT
- PROPOSED V&B
- SIAMESE CONNECTION
- PROPOSED CENTERLINE OF SWALE
- PROPOSED TERRACING (3:1 MAX)
- EXISTING BUILDING OR STRUCTURE
- LIMIT OF CONSTRUCTION
- EXISTING CONCRETE CURB
- 100 YEAR PONDING LIMIT
- 5 YEAR PONDING LIMIT



Plot Date: 27/11/2019 Plot Time: 12:34:43 Plotter: D.B. WANG, WINSTON PLOT STAMP FOR LIC. USE ONLY  
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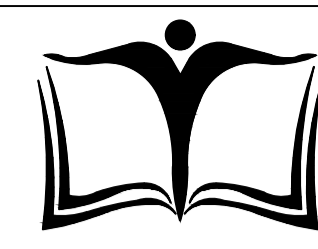
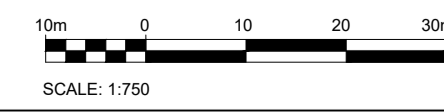
D07-12-19-0144 #18011



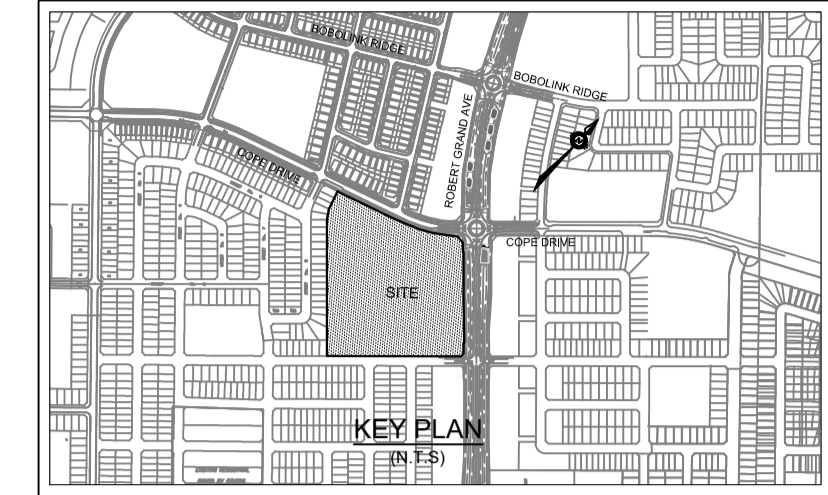
DRAINAGE ID	CB #	DRAINAGE AREA	AREA %	5-YR PONDING		100-YR PONDING	
				PONDING VOLUME	PONDING ELEVATION	PONDING VOLUME	PONDING ELEVATION
S101	CB124	0.099	1.73%	2.18	107.65	10.61	107.72
S104	CB122	0.181	3.16%	3.98	107.67	19.40	107.75
S105	CBMH122	0.034	0.59%	0.75	107.65	3.64	107.71
S106	RYCB2	0.754	13.18%	16.58	107.70	80.81	107.78
S107	CBMH121	0.054	0.94%	1.19	107.65	5.79	107.71
S108	CBMH120	0.039	0.68%	0.86	107.65	4.18	107.71
S102	CB123	0.063	1.10%	1.39	107.66	6.75	107.72
S103	CBMH123	0.035	0.61%	0.77	107.65	3.75	107.71
S109	CBMH119	0.038	0.66%	0.84	107.65	4.07	107.71
S110	CB121	0.134	2.34%	2.95	107.65	14.36	107.70
S111	CBMH117	0.071	1.24%	1.56	107.65	7.61	107.70
S113	CB120	0.061	1.07%	1.34	107.65	6.54	107.72
S112	CBMH116	0.092	1.61%	2.02	107.64	9.86	107.70
S115	RYCB1	0.094	1.64%	2.07	107.70	10.07	107.77
S114	CBMH115	0.116	2.03%	2.55	107.65	12.43	107.72
S115	CB118	0.065	1.14%	1.43	107.65	6.97	107.72
S116	CBMH114	0.051	0.89%	1.12	107.64	5.47	107.69
S117	CB117	0.102	1.78%	2.24	107.66	10.93	107.72
S118	CBMH113	0.062	1.08%	1.36	107.64	6.65	107.69
S119	CB116	0.107	1.87%	2.35	107.66	11.47	107.72
S120	CBMH112	0.095	1.66%	2.09	107.64	10.18	107.70
S121	CBMH117	1.517	26.52%	33.62	107.65	163.88	107.67
S123	CB115	0.096	1.68%	2.11	107.66	10.29	107.73
S122	CBMH111	0.066	1.15%	1.45	107.63	7.07	107.69
S124	CB114	0.072	1.26%	1.58	107.68	7.72	107.76
S125	CBMH110	0.028	0.49%	0.62	107.65	3.00	107.71
S126	CBMH109	0.029	0.51%	0.64	107.64	3.11	107.70
S127	CBMH108	0.027	0.47%	0.59	107.65	2.89	107.71
S128	CBMH107	0.092	1.61%	2.02	107.67	9.86	107.74
S129	CBMH106	0.044	0.77%	0.97	107.68	4.72	107.73
S130	CBMH105	0.081	1.42%	1.78	107.64	8.68	107.70
S131	CB112	0.048	0.84%	1.06	107.69	5.14	107.75
S132	CB113	0.048	0.84%	1.06	107.71	5.14	107.78
S133	CB111	0.060	1.05%	1.32	107.75	6.43	107.80
S134	CB110	0.164	2.87%	3.61	107.67	17.58	107.75
S135	CB109	0.060	1.05%	1.32	107.75	6.43	107.80
S136	CB108	0.079	1.38%	1.74	107.73	8.47	107.80
S137	CBMH104	0.112	1.96%	2.46	107.66	12.00	107.74
S139	CB107	0.044	0.77%	0.97	107.67	4.72	107.74
S140	CB106	0.071	1.24%	1.56	107.64	7.61	107.70
S141	CB105	0.080	1.40%	1.76	107.65	8.57	107.71
S142	CB104	0.088	1.54%	1.93	107.64	9.43	107.70
S143	CB103	0.060	1.05%	1.32	107.64	6.43	107.68
S144	CB102	0.081	1.42%	1.78	107.65	8.68	107.70
S145	CB101	0.050	0.87%	1.10	107.64	5.36	107.68
S138	CBMH103	0.046	0.80%	1.01	107.64	4.93	107.69
S150	CB126	0.015	0.26%	0.33	107.65	1.61	107.70
S151	CB125	0.012	0.21%	0.00	N/A	0.00	N/A
S146	CBMH124	0.084	1.47%	1.85	107.66	9.00	107.70
S147	CB119	0.086	1.50%	1.89	107.66	9.22	107.72
S149	CBMH101	0.033	0.58%	0.73	107.75	3.54	107.79

\*Ponding Volume is generated using Civil 3D stage-storage analyze

- LEGEND:**
- EXISTING FIRE HYDRANT
  - EXISTING VALVE
  - EXISTING VALVE CHAMBER
  - PROPOSED FIRE HYDRANT
  - PROPOSED VALVE
  - PROPOSED REMOTE METER
  - PROPOSED METER
  - PROPOSED CATCHBASIN MANHOLE
  - PROPOSED CATCHBASIN
  - PROPOSED LANDSCAPE CATCHBASIN
  - EXISTING CATCHBASIN MANHOLE
  - EXISTING STORM SEWER AND MANHOLE
  - PROPOSED STORM SEWER AND MANHOLE
  - STORM DRAINAGE BOUNDARY
  - ID DENOTES WATERSHED NAME
  - A DENOTES AREA IN HECTARES
  - C DENOTES RUNOFF COEFFICIENT
  - OVERLAND MAJOR FLOW ROUTE
  - 100 YEAR PONDING LIMIT
  - 5 YEAR PONDING LIMIT



OTTAWA-CARLETON DISTRICT SCHOOL BOARD



ISSUE NO.	REV. NO.	DATE	ISSUE
3	2	19/11/29	ISSUED FOR PERMIT AND CLASS A ESTIMATE
2	1	19/09/18	ISSUED FOR DD AND CLASS C COST ESTIMATE
1	0	19/07/24	ISSUED FOR SITE PLAN APPLICATION



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STITTSVILLE, ON

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NEPEAN, ON K2H 6L3  
133 GREENBANK ROAD

DRAWING/TITRE DU DESSIN  
**STORM DRAINAGE AREA PLAN**

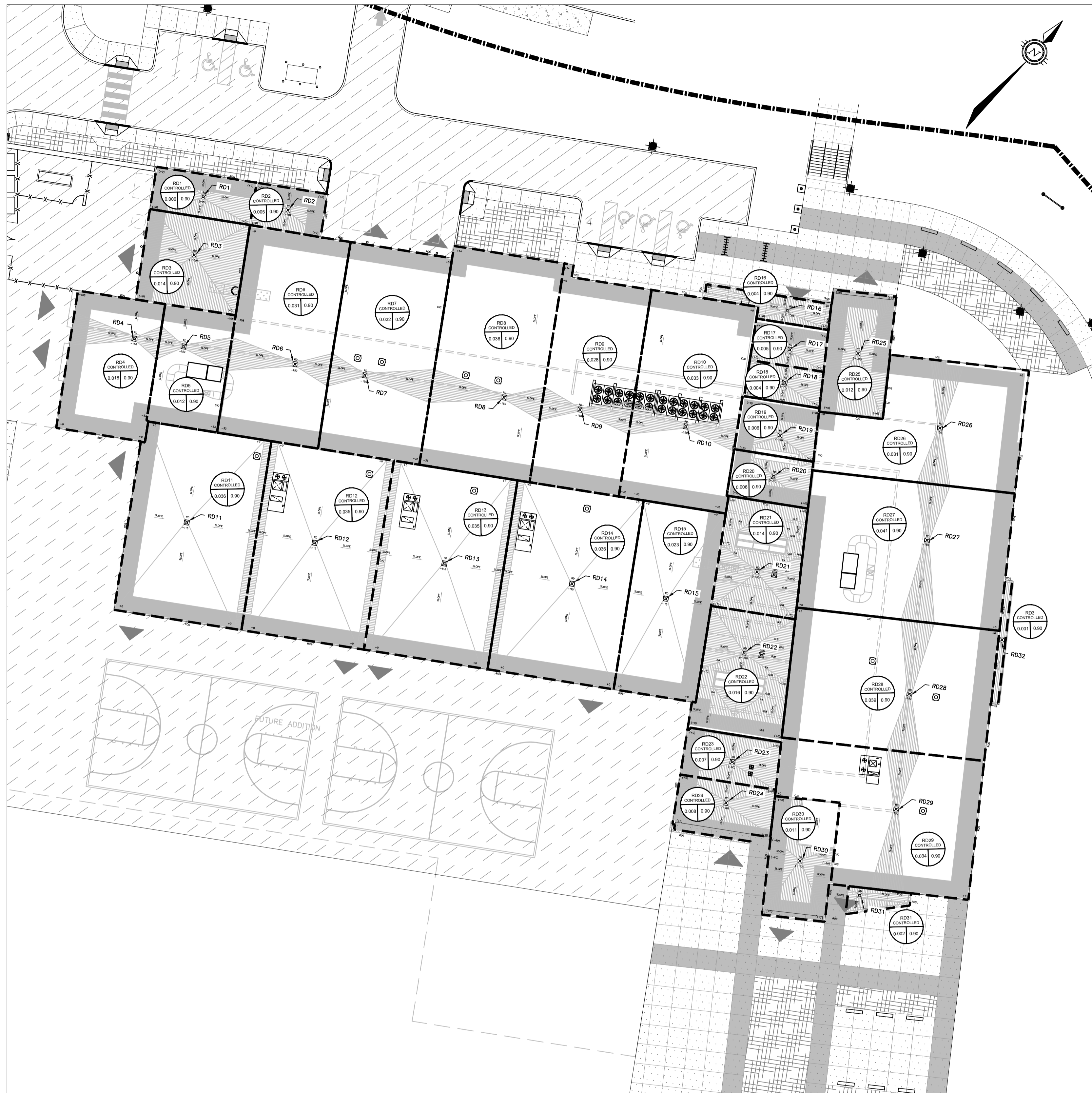
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ECHELLE AS SHOWN	19M-00179-00	2	1
DRAWN BY	DRAWING/DESSIN		
DESIGNED BY	D.B.Y.		
CHECKED BY	J.J.		
DATE	2019-05-17		

**C12**

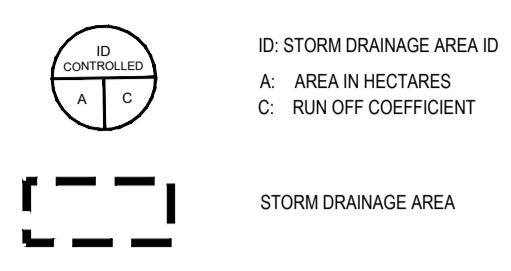
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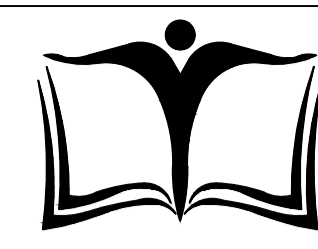
D07-12-19-0144



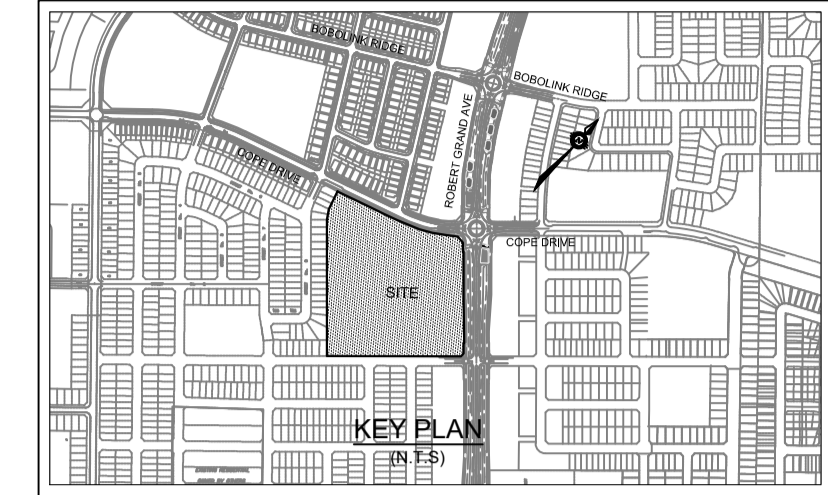
LEGEND



Roof Drainage #	Roof Area m <sup>2</sup>	Ponding Area m <sup>2</sup>	Ponding Depth m	Ponding Volume m <sup>3</sup>	Release Rate L/s
RD1	64.0	64.0	0.090	1.92	1.10
RD2	45.0	45.0	0.070	1.05	0.87
RD3	136.0	136.0	0.100	4.53	1.10
RD4	180.0	153.0	0.150	7.65	1.58
RD5	124.0	93.0	0.150	4.65	1.58
RD6	313.0	266.1	0.150	13.30	1.58
RD7	315.0	267.8	0.150	13.39	1.58
RD8	362.0	307.7	0.150	15.39	1.58
RD9	278.0	208.5	0.150	10.43	1.58
RD10	329.0	246.8	0.150	12.34	1.58
RD11	360.0	306.0	0.115	11.73	1.34
RD12	348.0	295.8	0.115	11.34	1.34
RD13	351.0	298.4	0.115	11.44	1.34
RD14	358.0	304.3	0.115	11.66	1.34
RD15	233.0	198.1	0.115	7.59	1.34
RD16	39.0	39.0	0.100	1.30	1.10
RD17	45.0	45.0	0.070	1.05	0.87
RD18	40.0	40.0	0.070	0.93	0.87
RD19	62.0	55.8	0.070	1.30	0.87
RD20	56.0	50.4	0.070	1.18	0.87
RD21	135.0	101.3	0.150	5.06	1.58
RD22	161.0	120.8	0.150	6.04	1.58
RD23	67.0	67.0	0.090	2.01	1.10
RD24	77.0	77.0	0.090	2.31	1.10
RD25	115.0	115.0	0.120	4.60	1.34
RD26	309.0	262.7	0.150	13.13	1.58
RD27	413.0	309.8	0.150	15.49	1.58
RD28	392.0	333.2	0.150	16.66	1.58
RD29	340.0	255.0	0.150	12.75	1.58
RD30	113.0	84.8	0.110	3.11	1.34
RD31	19.0	19.0	N/A	N/A	0.32
RD32	13.0	13.0	N/A	N/A	0.32
Total	6192.0	5178.8		225.32	40.41



OTTAWA-CARLETON DISTRICT SCHOOL BOARD



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1	0	19/11/29	ISSUED FOR PERMIT AND CLASS A ESTIMATE



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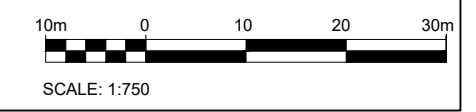
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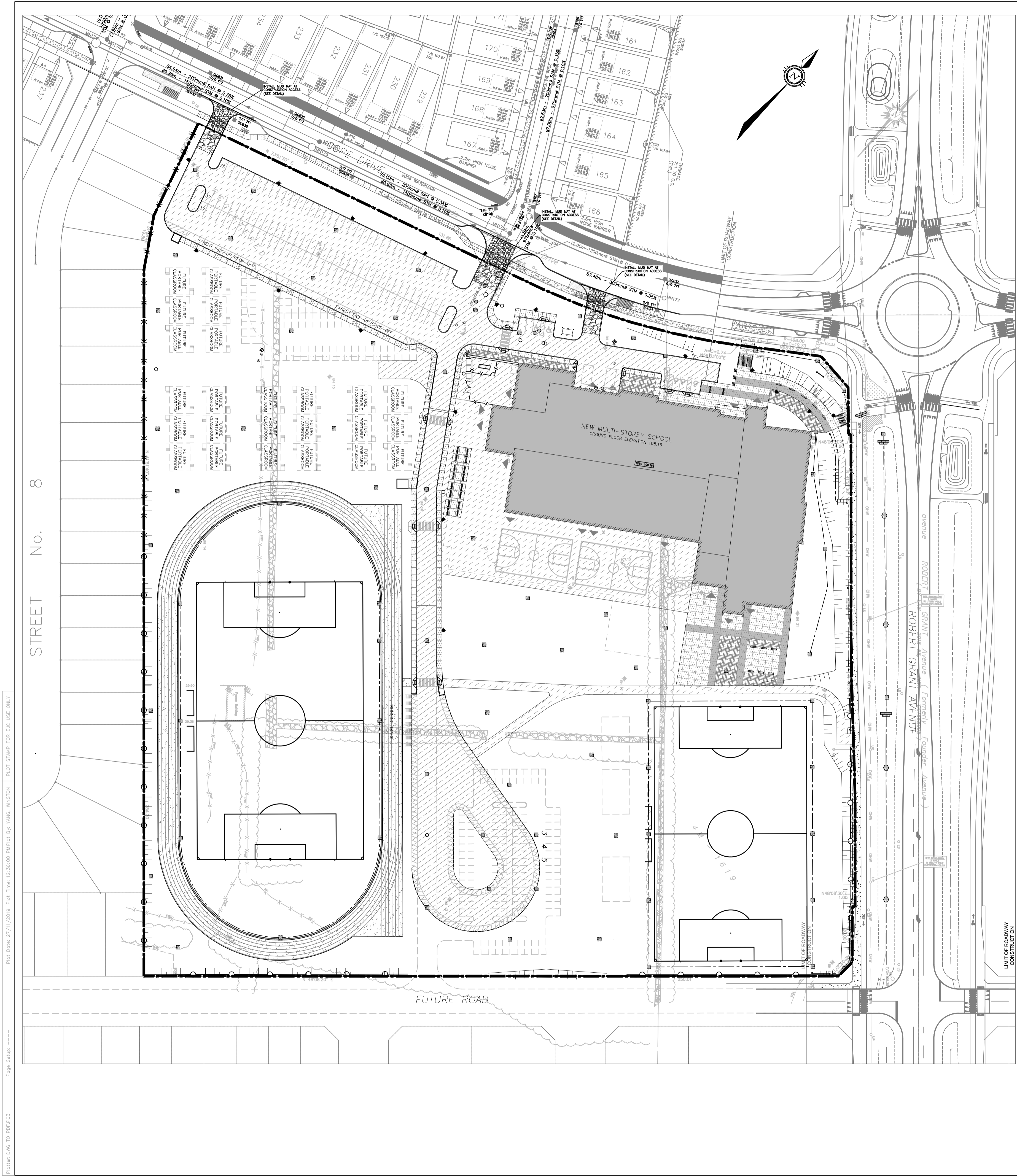
DRAWING TITLE/TITRE DU DESSIN  
**STORM DRAINAGE AREA PLAN ROOF**

SCALE ECHELLE	AS SHOWN	PROJ. No 19M-00179-00	ISSUE No 2	REV. No 1
DRAWN BY DESSINE PAR	D.B.Y.	DRAWING/DESSIN		
CHECKED BY VERIFIE PAR	J.J.	<b>C13</b>		
DATE	2019-05-17			

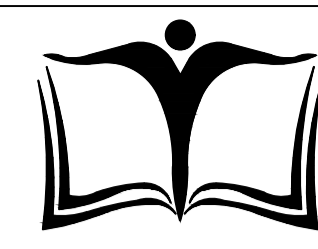


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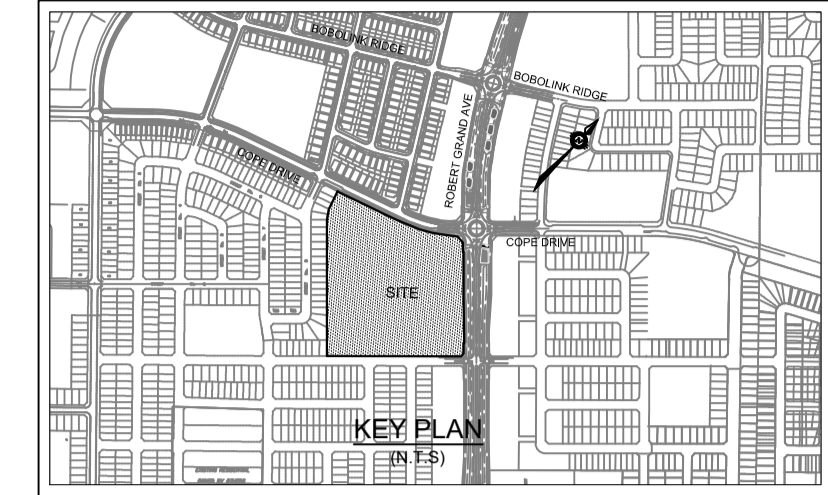
D07-12-19-0144



- 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



OTTAWA-CARLETON  
DISTRICT SCHOOL BOARD



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

ISSUE NO.	REV. NO.	DATE	ISSUE



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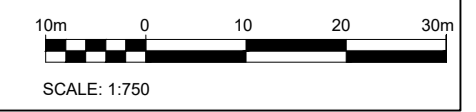
300-2611 QUEENVIEW DRIVE  
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133 GREENBANK ROAD

DRAWING TITLE/TITRE DU DESSIN  
**EROSION AND  
SEDIMENTATION  
CONTROL PLAN**

SCALE ECHELLE	AS SHOWN	PROJ. No 19M-00179-00	ISSUE No 2	REV. No 1
DRAWN BY DESSINE PAR	D.B.Y.	DRAWING/DESSIN		
CHECKED BY VERIFIE PAR	J.J.	<b>C14</b>		
DATE	2019-05-17			



Plot Date: 27/11/2019 Plot Time: 12:36:00 Plotter By: YANG, WINSTON Plot Stamp For Use Only  
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D07-12-19-0144

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