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 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 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 NOVEMBER 15, 2006 AND REVISED ON MARCH 24, 2016. 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.
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. SERVICING AND STORMWATER MANAGEMENT REPORT, PREPARED BY WSP CANADA INC, PROJ. NO. 211-06227-00, SEPTEMBER 30, 2022
    ii. GEOTECHNICAL INVESTIGATION REPORT, PREPARED BY EXP SERVICES INC., REPORT NO. OTT-Z2013695-A0, SEPTEMBER 15, 2022

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 AND LIGHT DUTY AREAS TO BE AS SPECIFIED IN THE GEOTECHNICAL REPORT AND SHOWN ON THE PLANS.

NOTES: ROADWAY WORKS

1. ALL TOPSOIL AND ORGANIC MATERIAL SHALL BE STRIPPED WITHIN THE ROAD ALLOWANCE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
2. CONCRETE CURB SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. SC1.1 (BARRIER CURB) AND SC1.3 (MOUNTABLE CURB). PROVISIONS SHALL BE MADE FOR CURB DEPRESSIONS AT SIDEWALKS AND DRIVEWAYS.
3. ROAD SUBDRAINS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. R1.
4. CONCRETE SIDEWALK SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. SC3 AND SC1.4.
5. PAVEMENT REINSTATEMENT FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. R10 AND OPSD 509.010, OPSS 310.
6. GRANULAR "A" SHALL BE PLACED TO A MINIMUM THICKNESS OF 150mm AROUND ALL STRUCTURES WITHIN PAVEMENT AREA.
7. ALL GRANULAR FOR ROADS SHALL BE COMPACTED TO A MINIMUM OF 100% STANDARD PROCTOR DENSITY.
8. ASPHALT WEAR COURSE SHALL NOT BE PLACED UNTIL THE VIDEO INSPECTION OF SEWERS & NECESSARY REPAIRS HAVE BEEN CARRIED OUT TO THE SATISFACTION OF THE ENGINEER.
9. SUB-EXCAVATE SOFT AREAS AND FILL WITH GRANULAR "B" COMPACTED IN MAXIMUM 300mm LIFTS.
10. PEDESTRIAN CURB RAMP WITH BOULEVARD SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. SC7.

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 STANDARD 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. MAINTENANCE HOLE BENCHING AND PIPE OPENING ALTERNATIVES AS PER THE OPSD 701.021
13. ANY SANITARY SEWER WITH LESS THAN 2.5m COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD W22, OR APPROVED BY THE ENGINEER.

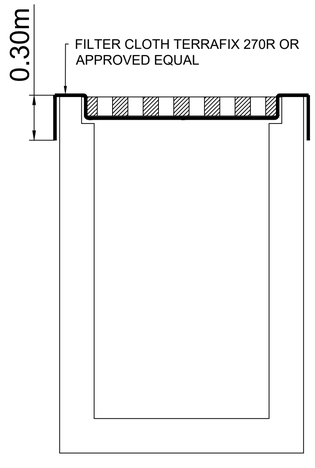
NOTES: STORM SEWERS AND STRUCTURES

14. 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.
15. STORM SEWERS 450mm DIAMETER AND SMALLER SHALL BE PVC SDR-35, WITH RUBBER GASKET PER CSA A-257.3.
16. SEWER BEDDING AS PER CITY OF OTTAWA DETAIL S6.
17. ALL STORM MANHOLES 1200mm IN DIAMETER TO BE AS PER OPSD 701.01, FRAME AND COVER TO BE AS PER CITY OF OTTAWA STANDARD S25 AND S24.1.
18. 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.
19. CB IN LANDSCAPE AREAS SHALL BE AS PER CITY OF OTTAWA STANDARD S31.
20. ALL CATCHBASIN LEADS TO BE MINIMUM 200mm DIAMETER AT MINIMUM 1.0% SLOPE UNLESS OTHERWISE SPECIFIED.
21. 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 AND FRAME/COVER AS PER OPSD 401.010 TYPE B. SANITARY MH'S AS PER OPSD 701.010 TYPE A BASE WITH BENCHING, AND FRAME/COVER AS PER OPSD 401.010 TYPE A. ADJUSTMENT SECTIONS SHALL BE AS PER OPSD 704.010.
22. INSTALLATION OF FLOW CONTROL ICD'S TO BE VERIFIED BY QUALITY VERIFICATION ENGINEER RETAINED BY CONTRACTOR.
23. BACKWATER VALVES FOR BUILDING SERVICES ARE TO BE PROVIDED AS PER CITY OF OTTAWA STANDARD S14.1 AND S14.2.

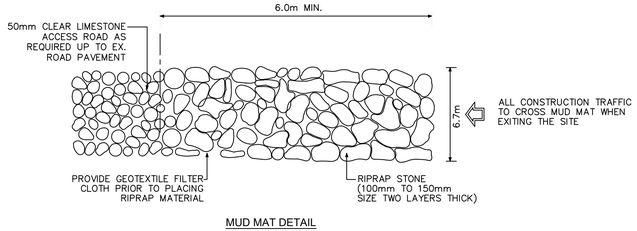
NOTES: EROSION AND SEDIMENT CONTROL

** CONTRACTOR IS RESPONSIBLE FOR ALL INSTALLATION, MONITORING, REPAIR AND REMOVAL OF ALL EROSION AND SEDIMENT CONTROL FEATURES, AND MEETING ASSOCIATED LEED REQUIREMENT **

1. PRIOR TO START OF CONSTRUCTION:
   - 1.1. INSTALL SILT FENCE IN LOCATION SHOWN ON DWG C08 AND C09.
   - 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. ALL EROSION CONTROL MEASURES SHALL BE INSPECTED IMMEDIATELY FOLLOWING A RAINFALL EVENT.
   - 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.



FILTER CLOTH CATCHBASIN OR MANHOLE SEDIMENT CONTROL DEVICE
(NTS)



MUD MAT DETAIL
(NTS)

EXISTING LEGEND:

- EDGE OF PAVEMENT
- CURB
- W — WATERMAIN
- ST — STORM SEWER
- SA — SANITARY SEWER
- GAS — GAS
- UG — UNDERGROUND
- C — CABLE
- X — X — FENCE
- PROPERTY BOUNDARY
- TBM# — SITE TEMPORARY BENCH MARK
- TP # — TEST PIT LOCATION
- UP — UTILITY POLE
- LS — STREET LIGHT
- ROAD SIGN
- TRANSFORMER
- CULVERT
- ASPHALT
- BUILDING
- CATCH BASIN

PROPOSED LEGEND:

- ALIGNMENT
- EDGE OF PAVEMENT
- CONCRETE BARRIER CURB
- W — WATER SERVICE
- ST — STORM SEWER
- SA — SANITARY SEWER
- GRADING TOP OF SLOPE
- GRADING BOTTOM OF SLOPE
- STORM MANHOLE
- REAR YARD CATCH BASIN/ CLEAN OUT
- CATCH BASIN MANHOLE
- CATCH BASIN
- SANITARY MANHOLE
- WATERMAIN VALVE
- FIRE HYDRANT
- WATER TEE CONNECTION
- TWSI
- BUILDING ENTRANCE
- 85.58 — PROPOSED ELEVATION
- 85.58s — PROPOSED SWALE ELEVATION
- 2.0% — PROPOSED SLOPE
- BUILDING
- STORM DRAINAGE BOUNDARY
- ID CONTROLLED (A / C) — ID DENOTES WATERSHED NAME; A DENOTES AREA IN HECTARES; C DENOTES RUNOFF COEFFICIENT

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ISSUE NO.	REV. NO.	DATE YY/MM/DD	ISSUE
1		22/11/01	ISSUED FOR SPA

LICENSED PROFESSIONAL ENGINEER — D. B. YANG — 100230568 — 2022-11-01 — PROVINCE OF ONTARIO
REGISTERED PROFESSIONAL ENGINEER — V. TENG — 100226367 — 2022-11-01 — 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.WSP.COM

PROJECT TITLE/TITRE DU PROJET
ÉCOLE SECONDAIRE CATHOLIQUE PAUL-DESMARAIS - DOME
5315 ABBOTT STREET
OTTAWA, ON

CONSEIL DES ÉCOLES CATHOLIQUES DE DU CENTRE-EST
4000, RUE LABELLE, OTTAWA, ON K1J 1A1

DRAWING TITLE/TITRE DU DESSIN

NOTES AND DETAILS

SCALE / ÉCHELLE		PROJ. No	ISSUE No	REV. No
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EXISTING CHAIN LINK FENCE INCLUDING CONCRETE FOOTINGS TO NEAREST POST TO BE REMOVED

ALL THE EXISTING PORTABLE CLASSROOMS AND WOODEN STAIRS TO BE REMOVED

EXISTING TREES TO BE REMOVED

EXISTING ASPHALT PAVING INCLUDING EXISTING GRANULAR BASE TO BE REMOVED

EXISTING FIRE HYDRANT TO REMAIN

EXISTING FIRE HYDRANT TO REMAIN

EXISTING CONCRETE PAVING INCLUDING GRANULAR BASE TO BE REMOVED

EXISTING ASPHALT PAVING INCLUDING EXISTING GRANULAR BASE TO BE REMOVED

EXISTING CONCRETE PAVING INCLUDING GRANULAR BASE TO BE REMOVED

Portable Classroom & Wooden Stairs

LOT 28 CONCESSION

PAUL-DESMARAIS DOME
(CONCRETE FOUNDATION NOTED)

ECOLE SECONDAIRE CATHOLIQUE
PAUL-DESMARAIS
No 5315 Abbott Street
(Foundation Noted)

OB BENCHMARK No.2
Top of Spindle on
Fire Hydrant
Elev.=104.60

CCP 1.0ø
Inv.=101.44

SCALE: 1:400

Plot Date: 8/26/2022 Plot Time: 12:42:38 AMPlot By: TAN, JEY

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PROJECT TITLE/TITRE DU PROJET

ÉCOLE SECONDAIRE CATHOLIQUE
PAUL-DESMARAIS - DOME
5315 ABBOTT STREET
OTTAWA, ON

CONSEIL DES ÉCOLES CATHOLIQUES DE DU CENTRE-EST
4000, RUE LABELLE, OTTAWA, ON K1J 1A1

DRAWING TITLE/TITRE DU DESSIN

REMOVAL PLAN

SCALE / ÉCHELLE	1:400	PROJ. No 211-06227-00	ISSUE No 0 / REV. No 0
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CHECKED BY / VÉRIFIÉ PAR	D.Y		
DATE	2022-11-01	FICHIER ACAD FILE: 211-06227-00_C.dwg	

FUTURE ROBERT GRANT AVENUE, REFER TO NOVATECH DRAWING 101108-FD1

PROPOSED SWALE

MATCH EXISTING

PROPOSED ADDITION FFE=104.90

ECOLE SECONDAIRE CATHOLIQUE PAUL-DESMARAIS No 5315 Abbott Street (Foundation Noted)

BOTTOM OF SLOPE

MATCH EXISTING

DEPRESSED CURB FOR OVERLAND FLOW ROUTE AS PER CITY STD SC17

UNDISTURBED AREA

PROPOSED SWALE

JOB BENCHMARK No.2 Top of Spindle on Fire Hydrant Elev.=104.60

MATCH EXISTING

TAPER CURB DOWN TO MATCH INTO ASPHALT

DCB104 T/G=103.20m

CONCRETE BARRIER CURB

CB103 T/G=103.20

TAPER CURB DOWN TO MATCH INTO APRON

ADD ADDITIONAL CONCRETE STEP DOWN

ADD ADDITIONAL CONCRETE STEP DOWN

ADD ADDITIONAL CONCRETE STEP DOWN

MATERIAL FROM GRANULAR BASE AND SUB-BASE OF EXISTING 6.0m WIDE FIRE ROUTE CAN BE USED FOR NEW PAVEMENT STRUCTURE

PROPOSED PAVILION FFE=104.08

MATCH EXISTING

REMOVE & REPLACE EXISTING CURB AND RAMP NEXT TO NEW SIDEWALK

REGRADE AND REPLACE EXISTING ASPHALT

UNDISTURBED AREA

MATCH EXISTING

EXISTING DOME FFE=104.06

PAUL-DESMARAIS DOME (CONCRETE FOUNDATION NOTED)

GRADE AWAY FROM BUILDING TO MATCH EXISTING SURROUNDING GRADES

CB105 T/G=103.65

CB106 T/G=103.65

CB107 T/G=103.72

CB108 T/G=103.71

CB109 T/G=103.65

CB110 T/G=103.62

CB111 T/G=103.65

MATCH EXISTING

CCP 1.0ø Inv.=101.44

SCALE: 1:400

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PROVINCE OF ONTARIO

REGISTERED PROFESSIONAL ENGINEER
V. TENG
100226367
2022-11-01
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.WSP.COM

PROJECT TITLE/TITRE DU PROJET

ÉCOLE SECONDAIRE CATHOLIQUE PAUL-DESMARAIS - DOME
5315 ABBOTT STREET
OTTAWA, ON

CONSEIL DES ÉCOLES CATHOLIQUES DE DU CENTRE-EST
4000, RUE LABELLE, OTTAWA, ON K1J 1A1

DRAWING TITLE/TITRE DU DESSIN

GRADING PLAN

SCALE / ÉCHELLE	1:400	PROJ. No	211-06227-00
		ISSUE No	0
		REV. No	0
DRAWN BY / DESSINÉ PAR	V.T/J.T.	DRAWING/DESSIN	C03
CHECKED BY / VÉRIFIÉ PAR	D.Y		
DATE	2022-11-01	FICHIER ACAD FILE: 211-06227-00_C.dwg	

Plot Date: 8/28/2022 Plot Time: 12:42:38 AMPlot By: TAN, JEY | PLOT STAMP FOR EJC USE ONLY | Plotter DWG TO PDF.PC3 | Page Setup:

DCB104
T/G=103.30
W.INV.=102.14 WITH
200mm PVC LEAD AT 1.0%
CONNECTING TO EXISTING
450mm CONC. STM SEWER

CB103
T/G=103.20
W.INV=101.775 WITH
200mm PVC LEAD AT 1%
CONNECTING TO EXISTING
450mm CONC. STM SEWER

LOWER TOP OF GRATE OF STORM MH TO 103.45

LOWER TOP OF GRATE OF STORM MH TO 103.58

ABANDON EXISTING CATCHBASIN

ABANDON EXISTING CATCHBASINS

RAISE EXISTING FIRE DEPARTMENT CONNECTION TO NEW PAVEMENT LEVEL.

ABANDON EXISTING CATCHBASINS

CB102
T/G=103.56
N.INV.=102.36 WITH
200mm PVC LEAD AT 1.0%
CONNECTING TO EXISTING
450mm CONC. STM SEWER

PROP. 22.5° BENDS

NEW BUS LOOP

PROPOSED ADDITION
FFE=104.90

CONNECT ROOF DRAIN AND FOUNDATION DRAIN TO EXISTING BUILDING (REFER TO MECHANICAL AND FOUNDATION DWG FOR DETAILS)

ECOLE SECONDAIRE CATHOLIQUE
PAUL-DESMARAIS
No 5315 Abbott Street
(Foundation Noted)

EX. CB14
T/G=103.130
EX.NW.INV.=101.900
S.INV.=101.930

20.30m – 200mmø
CB LEAD @ 1.0%

CB101
T.G.=103.33
NE.INV.=102.14

CONNECT TO BUILDING STORM SERVICE AT INV.=102.00

JOB BENCHMARK No.2
Top of Spindle on
Fire Hydrant
Elev.=104.60

PROVIDE OUTLET FROM PERIMETER SUBDRAINS TO 150mm STORM SERVICE

150mm PVC STORM SERVICE @ 1.0%

CONNECT TO EX. STORM SEWER

Ex.CB
TG=103.47

PROPOSED PAVILION
FFE=104.08

22.5° BEND
45° BEND
PRESSURE REDUCING VALVE TO BE INSTALLED INSIDE BUILDING
CONNECT TO BUILDING SANITARY SERVICE AT INV.=101.83
22.5° BEND
45° BEND

REMOVE TEMPORARY PVC CAPS ON SANITARY SERVICE AND CONNECT TO BUILDING

22.5° BEND

REMOVE TEMPORARY W/M CAP AND CONNECT TO BUILDING EXISTING CAPPED 100mmø PVC DR18 WATER SERVICE

EXISTING DOME
FFE=104.06

PAUL-DESMARAIS DOME
(CONCRETE FOUNDATION NOTED)

REPLACE EX. LCB WITH CB105
T/G=103.65
Ex.N.INV=102.63
(300mm HDPE)
Ex.S.INV=102.63
(300mm HDPE)

REPLACE EX. LCB WITH CB106
T/G=103.65
Ex.N.INV=102.73
(300mm HDPE)
Ex.S.INV=102.73
(300mm HDPE)

REPLACE EX. LCB WITH CB107
T/G=103.72
Ex.N.INV=102.83
(300mm HDPE)

REPLACE EX. LCB WITH CB108
T/G=103.71
Ex.S.INV=102.83
(300mm HDPE)

REPLACE EX. LCB WITH CB109
T/G=103.65
Ex.N.INV=102.73
(300mm HDPE)
Ex.S.INV=102.73
(300mm HDPE)

REPLACE EX. LCB WITH CB110
T/G=103.62
Ex.N.INV=102.63
(300mm HDPE)
Ex.S.INV=102.63
(300mm HDPE)

REPLACE EX. LCB WITH CB111
T/G=103.65
Ex.N.INV=102.53
(300mm HDPE)
Ex.S.INV=102.53
(375mm HDPE)

5m 0 10 20m
SCALE: 1:400

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CONSEIL DES ÉCOLES CATHOLIQUES DE LANGUE FRANÇAISE DU CENTRE-EST
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ISSUE NO.	REV. NO.	DATE YYMMDD	ISSUE
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100230568
2022-11-01
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PAUL-DESMARAIS - DOME
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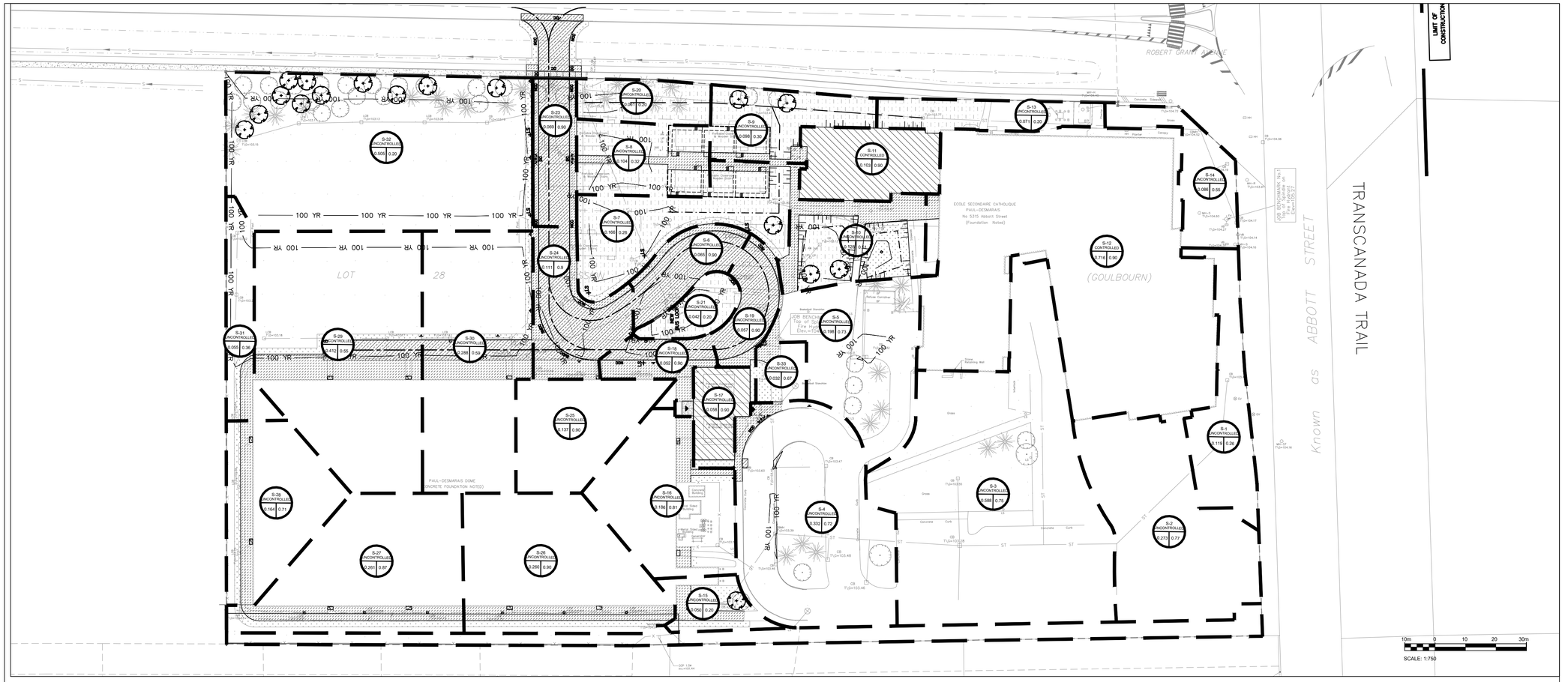
OTTAWA, ON

CONSEIL DES ÉCOLES CATHOLIQUES DE DU CENTRE-EST
4000, RUE LABELLE, OTTAWA, ON K1J 1A1

DRAWING TITLE/TITRE DU DESSIN

SERVICING PLAN

SCALE / ÉCHELLE	1:400	PROJ. No	211-06227-00
		ISSUE No	0
		REV. No	0
DRAWN BY / DESSINÉ PAR	V.T/J.T.	DRAWING/DESSIN	C04
CHECKED BY / VÉRIFIÉ PAR	D.Y		
DATE	2022-11-01	FICHIER ACAD FILE: 211-06227-00_C.dwg	



Catchment Area	Total (ha)	Grass	Gravel	Asphalt	Cavg
		0.2	0.75	0.9	
1	0.119	0.109		0.010	0.26
2	0.273	0.050		0.223	0.77
3	0.588	0.126		0.462	0.75
4	**0.332**	0.088		0.244	0.72
5	0.198	0.047		0.151	0.73
6	0.065			0.065	0.90
7	0.166	0.152		0.013	0.26
8	0.104	0.086		0.018	0.32
9	0.098	0.085		0.013	0.30
10	0.128	0.071		0.057	0.51
11	0.103			0.103	0.90
12	0.716			0.716	0.90
13	0.071	0.071			0.20
14	0.086	0.044		0.043	0.55
15	0.050	0.050			0.20
16	0.186	0.023		0.163	0.81
17	0.058			0.058	0.90
18	0.052			0.052	0.90
19	0.057			0.057	0.90
20	0.061	0.061			0.20
21	0.042	0.042			0.20
23	0.069			0.069	0.90
24	0.111			0.111	0.90
25	0.137			0.137	0.90
26	0.260			0.260	0.90
27	0.261	0.012		0.250	0.87
28	0.164	0.045		0.119	0.71
29	0.412	0.205		0.207	0.55
30	0.288	0.129		0.159	0.59
31	0.071	0.055		0.016	0.36
32	0.505	0.505			0.20
33	0.032	0.011		0.0216	0.67
West easement	0.158	0.158			0.20
Total	6.018	2.221		3.797	

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4000, RUE LABELLE, OTTAWA, ON K1J 1A1

DRAWING TITLE/TITRE DU DESSIN

DRAINAGE AREA PLAN

SCALE / ÉCHELLE	1:750	PROJ. No 211-06227-00	ISSUE No 0	REV. No 0
DRAWN BY / DESSINÉ PAR	V.T/J.T.	DRAWING/DESSIN		
CHECKED BY / VÉRIFIÉ PAR	D.Y	C05		
DATE	2022-11-01	FICHIER ACAD FILE: 211-06227-00_C.dwg		

INSTALL MUD MAT AT CONSTRUCTION ACCESS REFER TO DETAIL

PROPOSED SILT FENCE AS PER OPSD 219.110

PROPOSED ADDITION FFE=104.90

PROPOSED PAVILION FFE=104.08

EXISTING DOME FFE=104.06

PAUL-DESMARAIS DOME
(CONCRETE FOUNDATION NOTED)

ECOLE SECONDAIRE CATHOLIQUE
PAUL-DESMARAIS
No 5315 Abbott Street
(Foundation Noted)

NEW BUS LOOP

JOB BENCHMARK No.2
Top of Spindle on
Fire Hydrant
Elev.=104.60

FILTER CLOTH PLACED UNDER ALL PROPOSED AND EXISTING AND CBMH COVER

LOT 28

CONCESSION

SCALE: 1:400

Plot Date: 8/28/2022 Plot Time: 12:42:38 AMPlot By: TAN, JEY

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4000, RUE LABELLE, OTTAWA, ON K1J 1A1

DRAWING TITLE/TITRE DU DESSIN

EROSION AND SEDIMENTATION CONTROL PLAN

SCALE ÉCHELLE	1:400	PROJ. No 211-06227-00	ISSUE No 0	REV. No 0
DRAWN BY DESSINÉ PAR	V.T/J.T.	DRAWING/DESSIN		
CHECKED BY VÉRIFIÉ PAR	D.Y	C06		
DATE	2022-11-01	FICHIER ACAD FILE: 211-06227-00_C.dwg		