## **GENERAL NOTES:**

- 1. COORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
- DETERMINE THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION. PROTECT AND ASSUME RESPONSIBILITY FOR ALL EXISTING UTILITIES WHETHER OR NOT SHOWN ON THIS DRAWING.
- OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF OTTAWA BEFORE COMMENCING CONSTRUCTION.
- BEFORE COMMENCING CONSTRUCTION OBTAIN AND PROVIDE PROOF OF COMPREHENSIVE, ALL RISK AND OPERATIONAL LIABILITY INSURANCE FOR \$5,000,000.00. INSURANCE POLICY TO NAME OWNERS, ENGINEERS AND ARCHITECTS AS CO-INSURED.
- RESTORE ALL DISTURBED AREAS ON-SITE AND OFF-SITE, INCLUDING TRENCHES AND SURFACES ON PUBLIC ROAD ALLOWANCES TO EXISTING CONDITIONS OR BETTER TO THE SATISFACTION OF MUNICIPAL AUTHORITIES
- REMOVE FROM SITE ALL EXCESS EXCAVATED MATERIAL, ORGANIC MATERIAL AND DEBRIS UNLESS OTHERWISE INSTRUCTED BY ENGINEER. EXCAVATE AND REMOVE FROM SITE ANY CONTAMINATED MATERIAL. ALL CONTAMINATED MATERIAL SHALL BE DISPOSED OF AT A LICENSED LANDFILL FACILITY
- ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS.
- REFER TO GEOTECHNICAL INVESTIGATION REPORT PG4592-1-5510 DATED SEPTEMBER 10, 2018) PREPARED BY PATERSON GROUP INC. FOR SUBSURFACE CONDITIONS, CONSTRUCTION RECOMMENDATIONS AND GEOTECHNICAL INSPECTION REQUIREMENTS. THE GEOTECHNICAL CONSULTANT IS TO REVIEW ON-SITE CONDITIONS AFTER EXCAVATION PRIOR TO PLACEMENT OF THE GRANULAR MATERIAL.
- REFER TO ARCHITECT'S AND LANDSCAPE ARCHITECT'S DRAWINGS FOR BUILDING AND HARD SURFACE AREAS AND DIMENSIONS.
- 10. REFER TO THE STORMWATER MANAGEMENT REPORT No. R-2024-095, DATED OCTOBER 3, 2024 PREPARED BY NOVATECH.
- 1. SAW CUT AND KEYGRIND ASPHALT AT ALL ROAD CUTS AND ASPHALT TIE IN POINTS AS PER CITY OF OTTAWA STANDARDS (R10 AND R25).
- 12. CONTRACTOR TO PROVIDE THE CONSULTANT WITH A GENERAL PLAN OF SERVICES INDICATING ALL SERVICING AS-BUILT INFORMATION. AS-BUILT INFORMATION MUST INCLUDE: PIPE MATERIAL, SIZES, LENGTHS, SLOPES, INVERT AND T/G ELEVATIONS, STRUCTURE LOCATIONS, VALVE AND HYDRANT LOCATION, T/WM ELEVATIONS AND ANY ALIGNMENT CHANGES, ETC AND A GRADING PLAN INDICATING ALL AS-BUILT SURFACE ELEVATIONS AND SLOPES.

# **GRADING NOTES:**

- ALL TOPSOIL, ORGANIC OR DELETERIOUS MATERIAL MUST BE ENTIRELY REMOVED FROM BENEATH THE PROPOSED BUILDING AND PAVED AREAS.
- . EXPOSED SUBGRADES IN PROPOSED PAVED AREAS SHOULD BE PROOF ROLLED WITH A LARGE STEEL DRUM ROLLER AND ANY SOFT AREAS EVIDENT FROM THE PROOF ROLLING SHOULD BE SUBEXCAVATED AND REPLACED WITH SUITABLE MATERIAL THAT IS FROST COMPATIBLE WITH THE EXISTING SOILS.
- 3. THE PAVEMENT GRANULAR BASE AND SUBBASE SHOULD BE PLACED IN MAXIMUM 300mm THICK LIFTS AND COMPACTED TO A MINIMUM OF 98% OF THE MATERIAL'S STANDARD PROCTOR MAXIMUM DRY DENSITY VALUE.
- 4. ALL CURBS AND SIDEWALKS TO BE BUILT AS PER CITY OF OTTAWA DETAIL DRAWINGS SC1.4 AND SC4.
- GRADE AND/OR FILL BEHIND PROPOSED CURB AND BETWEEN BUILDINGS AND CURBS, WHERE REQUIRED TO PROVIDE POSITIVE DRAINAGE.
- 6. MINIMUM OF 2% GRADE FOR ALL GRASS AREAS UNLESS OTHERWISE NOTED.
- 7. MAXIMUM TERRACING GRADE TO BE 3:1 UNLESS OTHERWISE NOTED.
- 8. ALL GRADES BY CURBS ARE EDGE OF PAVEMENT GRADES UNLESS OTHERWISE INDICATED.
- 9. REFER TO LANDSCAPE PLAN FOR PLANTING AND OTHER LANDSCAPE FEATURE DETAILS.
- 10. CONTRACTOR TO PROVIDE THE CONSULTANT WITH A GRADING PLAN INDICATING THE AS-BUILT ELEVATION OF EVERY DESIGN GRADE SHOWN ON THIS PLAN.



# SEWER NOTES:

CATCHBASIN LEAD

. SUPPLY AND CONSTRUCT ALL SEWERS AND APPURTENANCES IN ACCORDANCE WITH THE MOST CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.

SPECIFICATIONS:	
ITEM	SPEC. No.
CATCHBASIN (600X600mm)	705.010
SANITARY/STORM/CATCHBASIN MANHOLE (1200Ø)	701.010
STORM MANHOLE (1500Ø)	701.011
STORM/SANITARY MH FRAME	S25
STORM COVER (OPEN)	S28.1
STORM SEWER < 450mmØ	PVC DR 35 (UNLESS
STORM SEWER >= 450mmØ	CONC 65D (UNLESS
SANITARY SEWER	PVC DR 35

SERVICES ARE TO BE CONSTRUCTED TO 1.0m FROM THE FACE OF BUILDING AT A MINIMUM SLOPE OF 1.0%.

PVC DR 35

- 4. ALL STORM AND SANITARY LATERALS SHALL BE EQUIPPED WITH BACKFLOW PREVENTION DEVICES AS PER THE CITY OF OTTAWA STANDARD DETAILS S14 AND S14.1 OR S14.2.
- 5. PIPE BEDDING, COVER AND BACKFILL ARE TO BE COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY. THE USE OF CLEAR CRUSHED STONE AS A BEDDING LAYER
- SHALL NOT BE PERMITTED FLEXIBLE CONNECTIONS ARE REQUIRED FOR CONNECTING PIPES TO MANHOLES (FOR EXAMPLE KOR-N-SEAL, PSX: POSITIVE SEAL AND DURASEAL). THE CONCRETE CRADLE FOR THE PIPE CAN BE
- **FLIMINATED** 7. ALL STORM MANHOLES MANHOLES WITH PIPE SIZES LESS THAN 900mm ARE TO HAVE 300mm SUMPS UNLESS OTHERWISE INDICATED. ALL STORM MANHOLES WITH PIPE SIZES 900mm AND
- LARGER ARE TO BE BENCHED. 8. CONTRACTOR TO TELEVISE (CCTV) ALL PROPOSED SEWERS 200mm OR GREATER IN DIAMETER PRIOR TO BASE COURSE ASPHALT TO ENSURE THAT THEY ARE CLEAN AND OPERATIONAL. UPON COMPLETION OF CONTRACT, THE CONTRACTOR IS RESPONSIBLE TO FLUSH AND CLEAN ALL SEWERS & APPURTENANCES AND RE CCTV PRIOR TO ACCEPTANCE. OBTAIN APPROVAL FROM THE CITY'S SEWER OPERATIONS. PROVIDE THE CCTV INSPECTION AND REPORT TO THE ENGINEER FOR
- REVIEW AND APPROVAL. 9. CONTRACTOR TO PROVIDE THE CONSULTANT WITH A GENERAL PLAN OF SERVICES INDICATING ALL APPLICABLE SERVICING AS-BUILT INFORMATION SHOWN ON THIS PLAN. AS-BUILT INFORMATION
- MUST INCLUDE: PIPE MATERIAL, SIZES, LENGTHS, SLOPES, INVERT AND T/G ELEVATIONS, STRUCTURE LOCATIONS AND ANY ALIGNMENT CHANGES, ETC. 10. THE OWNER SHALL REQUIRE THAT THE SITE SERVICING CONTRACTOR PERFORM FIELD TESTS FOR
- QUALITY CONTROL OF ALL SANITARY SEWERS. LEAKAGE TESTING SHALL BE COMPLETED IN ACCORDANCE WITH OPSS 410.07.16, 410.07.16.04 AND 407.07.24. DYE TESTING IS TO BE COMPLETED ON ALL SANITARY SERVICES TO CONFIRM PROPER CONNECTION TO THE SANITARY SEWER MAIN. THE FIELD TESTS SHALL BE PERFORMED IN THE PRESENCE OF A CERTIFIED PROFESSIONAL ENGINEER WHO SHALL SUBMIT A CERTIFIED COPY OF THE TEST RESULTS.
- 11. INSULATE ALL STORM SEWERS THAT HAVE LESS THAN 1.5m COVER PER INSULATION DETAIL FOR SHALLOW SEWERS, PROVIDE 150mm CLEARANCE BETWEEN PIPE AND INSULATION.
- 12. ALL CATCHBASINS IN THE PARKING AREA ARE TO BE PROVIDED WITH MINIMUM 3 METER LONG PERFORATED SUBDRAINS EXTENDING IN FOUR ORTHOGONAL DIRECTIONS AT THE SUBGRADE LEVEL. SUBDRAIN IS TO BE PROVIDED AT THE TRANSITIONS BETWEEN DIFFERENT PAVEMENT COMPOSITIONS. THE SUBGRADE SURFACE SHOULD BE SHAPED TOWARDS THE CATCHBASINS TO PROMOTE DRAINAGE OF THE GRANULAR BASE.
- 13. PERIMETER SUBDRAINS SHALL BE PROVIDED LONGITUDINALLY AROUND THE PARKING AREA ALONG CURBS PER GEOTECHNICAL RECOMMENDATION.

### WATERMAIN NOTES:

- SUPPLY AND CONSTRUCT ALL WATERMAIN AND APPURTENANCES IN ACCORDANCE WITH THE MOST CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS. SPECIFICATIONS
- WATERMAIN TRENCHING THERMAL INSULATION IN SHALLOW TRENCHES THERMAL INSULATION BY OPEN STRUCTURES WATERMAIN

W22 W23 PVC DR 18



- 5. PROVIDE MINIMUM 0.5m CLEARANCE BETWEEN OUTSIDE OF PIPES AT ALL CROSSINGS.
- 6. WATER SERVICE IS TO BE CONSTRUCTED TO WITHIN 1.0m OF FOUNDATION WALL AND CAPPED, UNLESS OTHERWISE INDICATED.

UNDERGROUND WATER )ttaw RESERVOIR DRAW PIPE DETAIL

THE POSITION OF ALL POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.



### REFERENCE CITY OF OTTAWA CITY OF OTTAWA CITY OF OTTAWA

TE: MARCH 2016

G. No: W52

EROSION AND SEDIMENT CONTROL NOTES : 1. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES DURING CONSTRUCTION ACTIVITIES TO

- PROTECT THE STORM DRAINAGE SYSTEM AND THE DOWNSTREAM RECEIVING WATERCOURSE(S). THIS INCLUDES LIMITING THE AMOUNT OF EXPOSED SOIL. USING FILTER BAGS UNDER THE GRATES OF CATCHBASINS AND MANHOLES AND INSTALLING SILT FENCES AND OTHER EFFECTIVE SEDIMENT TRAPS.
- 2. ALL EROSION AND SEDIMENT CONTROLS ARE TO BE INSTALLED TO THE SATISFACTION OF THE ENGINEER AND THE CITY OF OTTAWA. THEY ARE TO BE APPROPRIATE TO THE SITE CONDITIONS, PRIOR TO UNDERTAKING ANY SITE ALTERATIONS (FILLING, GRADING, REMOVAL OF VEGETATION, ETC.) AND DURING ALL PHASES OF SITE PREPARATION AND CONSTRUCTION. THESE PRACTICES ARE TO BE IMPLEMENTED IN ACCORDANCE WITH THE CURRENT BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL AND SHOULD INCLUDE AS A MINIMUM THOSE MEASURES INDICATED ON THE PLAN.
- 3. TO PREVENT SURFACE EROSION FROM ENTERING ANY DITCH OR STORM SEWER SYSTEM DURING CONSTRUCTION, FILTER BAGS WILL BE PLACED UNDER GRATES OF CATCHBASINS AND STRUCTURES. A LIGHT DUTY SILT FENCE BARRIER WILL ALSO BE INSTALLED AROUND THE CONSTRUCTION AREA. THESE CONTROL MEASURES ARE TO REMAIN IN PLACE UNTIL VEGETATION HAS BEEN ESTABLISHED AND CONSTRUCTION IS COMPLETE.
- 4. THE SEDIMENT CONTROL MEASURES SHALL ONLY BE REMOVED WHEN. IN THE OPINION OF THE ENGINEER. THE MEASURES ARE NO LONGER REQUIRED NO CONTROL MEASURES MAY BE PERMANENTLY REMOVED WITHOUT PRIOR AUTHORIZATION FROM THE ENGINEER.
- 5. THE CONTRACTOR SHALL IMMEDIATELY REPORT TO THE ENGINEER ANY ACCIDENTAL DISCHARGES OF SEDIMENT MATERIAL INTO ANY DITCH OR STORM SEWER SYSTEM. APPROPRIATE RESPONSE MEASURES, INCLUDING ANY REPAIRS TO EXISTING CONTROL MEASURES OR THE IMPLEMENTATION OF ADDITIONAL CONTROL MEASURES, SHALL BE CARRIED OUT BY THE CONTRACTOR WITHOUT DELAY.
- 6. THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.
- 7. ROADWAYS ARE TO BE SWEPT AS REQUIRED OR AS DIRECTED BY THE ENGINEER AND/OR MUNICIPALITY.
- 8. THE CONTRACTOR SHALL ENSURE PROPER DUST CONTROL IS PROVIDED WITH THE APPLICATION OF WATER (AND IF REQUIRED, CALCIUM, CHLORIDE) DURING DRY PERIODS.
- 9. THE PROPOSED PERIMETER SWALE IS TO BE TREATED WITH TOPSOIL, HYDROSEED AND MULCH AS SOON AS IS PRACTICAL AFTER CONSTRUCTION OF THE SWALE.
- 10. THE EROSION SEDIMENT CONTROL PLAN IS TO BE CONSIDERED A "LIVING DOCUMENT" WHICH MAY BE MODIFIED IN THE EVENT THAT THE CONTROL MEASURES ARE INSUFFICIENT.
- 11. PROVIDE REGULAR MAINTENANCE TO THE EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION, CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE EROSION AND SEDIMENT CONTROL MEASURES ARE MAINTAINED AND WILL MONITOR THE WATER CLARITY DOWNSTREAM OF THE WORK SITE THROUGHOUT THE DAY AND DURING RAIN EVENTS. WATER QUALITY IS TO MEET THE CANADIAN WATER QUALITY GUIDELINES FOR THE PROTECTION OF AQUATIC LIFE. MONITORING FOR VISIBLE PLUMES OUTSIDE OF THE WORK AREA IS TO BE UNDERTAKEN.
- 12. SUSPEND ACTIVITIES THAT CAUSE MUDDY ENVIRONMENTS DURING PERIODS OF HEAVY RAINS.
- 13. ANY STOCKPILES OF SOIL OR FILL MATERIAL WILL BE STORED AS FAR AS POSSIBLE FROM THE FISH HABITAT OR CHANNELS LEADING TO FISH HABITAT (MINIMUM 30 M).
- 14. THE EROSION CONTROL MEASURES WILL NOT BE REMOVED UNTIL THE BANKS ARE STABILIZED (I.E., <20% EXPOSED SOIL).
- 15. WHERE BANKS/RIPARIAN AREA (AREA WITHIN 30 M OF CHANNEL) HAVE BEEN STABILIZED BY SEEDING AND/OR PLANTING, MONITOR THE REVEGETATION TO ENSURE THAT THE VEGETATION BECOMES FULLY ESTABLISHED (AT LEAST 80% COVER REQUIRED).
- 16. WHERE POSSIBLE, LIMIT CLEARING OF VEGETATION TO TRIMMING AND LEAVE THE STUMP AND LOWER 60 CM OF THE TREE TRUNK IN PLACE (FOR SHORELINE STABILIZATION).
- 17. ONCE WORK IS COMPLETED, STABILIZE USING NATIVE VEGETATION. WHERE POSSIBLE, THIS SHOULD INCLUDE NATIVE TREES AND SHRUBS AS PER THE LANDSCAPING PLAN (TO BE DEVELOPED AT DETAILED DESIGN).

# PAVEMENT STRUCTURES:

IGHT DUTY (CAR PARKING AREAS ONLY) 50mm HL3 OR SUPERPAVE 12.5

150mm GRAN "A" 300mm GRAN "B" TYPE II SUBGRADE - Either fill, in situ soil, or OPSS Granular B Type I or II material placed over in situ soil or fill

HEAVY DUTY (ACCESS LANES AND HEAVY TRUCK PARKING) 40mm HL3 OR SUPERPAVE 12.5

50mm HL8 OR SUPERPAVE 19.0 150mm GRAN "A"

450mm GRAN "B" TYPE II SUBGRADE - Either fill, in situ soil, or OPSS Granular B Type I or II material placed over in situ soil or fill





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Website

MATERIAL LOCATION

FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE

AVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.

TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 18" (450 mm ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.

EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER

FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER

12" (300 mm) MIN -----

CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.

PERIMETER STON

(CAN BE SLOPED OR VERTICAL

REQUIREMENTS FOR HANDLING AND INSTALLATION:

(SEE NOTE

PLEASE NOT

NOTES:

COLORS.

PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT

ITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE

 IF AN EXTRUSION CURBING MACHINE IS USED. THE EXPANSION BITUMINOUS MATERIAL AND THE #15 DOWELS ARE TO BE PLACED AT THE END OF THE EXTRUSION. 2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.



				SCALE	DESIGN	FOR REV	EW ONLY
				AS SHOWN	MJH CHECKED JLS DRAWN M IH		SO PROFESSIONAL SUB
1. No.	ISSUED FOR SPA REVISION	OCT 3/2024 DATE	MJH BY		CHECKED JLS APPROVED MJH		100211256 BOUT 3/24 BOUNCE OF ONTARIO



118168-ND CITY FILE NO. D07-XX-XX-XXXX

REV #

VING No.



ESC CON	TROL MEASURES							
					During Construction	า	After Con	stru
	ESC Measure	Symbol	OPSD No.	Installation Responsibility	Inspection Responsibility	Inspection Frequency	Inspection/Maintenance Responsibility	
	Silt Fence	-0	219.110	Developer's Contractor	Developer's Contractor	Weekly (as a minimum)	Developer	De
	Mud Mat	M M	See Detail	Developer's Contractor	Developer's Contractor	Weekly (as a minimum)	N/A	De
Temporar Measures	y Straw Bale Check		219.180	Developer's Contractor	Developer's Contractor	Weekly (as a minimum)	N/A	
	Sediment Basin (for flows being pumped out of excavations)	Location as Required by Contractor		Developer's Contractor	Developer's Contractor	After Every Rainstorm	N/A	De
Permane Measure	nt Vegetated Swales	N/A	N/A	Developer's Contractor	Developer's Contractor	Weekly (as a minimum)	Developer	

![](_page_1_Figure_2.jpeg)

	I
aut./H	
ch. Devin	
FENCE (OPSD 219.110) M MANHOLE	
DING ENTRANCE CK DAM (OPSD 219.180)	
DmmØ DULVERT	
- 	
<i>RT</i>	
	X.
PROJECT No. 118168	
REV REV # 1	AN N
DRAWING NO. 118168-ESC	

![](_page_2_Figure_0.jpeg)

COVER SEWER / WATER (mm)	INSULATION THICKNESS (mm)
2000-1700 / 2400-2100	50
1700-1400 / 2100-1800	75
1400-1100 / 1800-1500	100

	INLET CONT	ROL DEVICE @ HE	ADWALL 3	
DESIGN EVENT	ICD TYPE AND SIZE	DIAMETER OF OUTLET PIPE (mm)	DESIGN FLOW (L/s)	DESIGN HEAD (m)
1:5 YEAR	PLATE178mm	600	60.0	0.79
1:100 YEAR	PLATE 178mm	600	65.5	0.89
	INLET CONT	ROL DEVICE @ HE	ADWALL 4	
DESIGN EVENT	ICD TYPE AND SIZE	DIAMETER OF OUTLET PIPE (mm)	DESIGN FLOW (L/s)	DESIGN HEAD (m)
1:5 YEAR	PLATE 178mm	600	46.0	0.46
1:100 YEAR	PLATE 178mm	600	57.7	0.73

	PROPOSED 50mmØ WATERMAIN TABLE							
STATION	SURFACE ELEVATION	T/WM ELEVATION	COMMENTS					
0+000.0	79.48	77.08	CAP 1.0m FROM BUILDING FACE					
0+025.0	78.21	75.81	-					
0+050.0	78.41	76.01	-					
0+066.6	78.78	76.38	CROSS BELOW 450mmØ STM					
0+075.0	78.80	76.40	-					
0+100.0	78.62	76.22	-					
0+125.0	78.36	75.96	-					
0+150.0	78.36	75.98	-					
0+172.7	77.84	75.44	STANDPOST					
0+175.0	77.84	75.44	-					
0+184.0	78.62	76.22	CONNECT TO EXISTING 100mmØ WM					

![](_page_3_Figure_0.jpeg)

1*000mmx707mm* 

				SCALE	DESIGN	FOR REVI	EW ONLY	
NOT FOR	4.	ISSUED FOR SPA	OCT 3/2024 MJH	1:500	MJH CHECKED JLS DRAWN		PROFESSIONAL EN	Engi
CONSTRUCTION	3. 2.	ISSUED FOR 60% SUBMISSION ISSUED FOR 30% SUBMISSION	AUG 16/2024 MJH JUNE 27/2024 MJH	1:500			100211256 OCT 3/24	C ⊤ele
	1.		MAR 7/2024 MJH		JLS APPROVED		30UNIVEE OF ONTHEND	Facs Web

PROJECT No.	
	118168
REV	
	REV # 4
DRAWING No.	
11816	58-GR2

![](_page_4_Figure_0.jpeg)

						S	CAL
NOT FOR						1	1:50
	4.	ISSUED FOR SPA	OCT 3/2024	MJH			
ONSTRUCTION	3.	ISSUED FOR 60% SUBMISSION	AUG 16/2024	MJH			4.500
	2.	ISSUED FOR 30% SUBMISSION	JUNE 27/2024	MJH	0	5	1:500
	1.	COORDINATION	MAR 7/2024	MJH			
	No	REVISION	DATE	BY	1		

CH	LOCATION CITY OF OTTAWA 5110 BOUNDARY ROAD
pe Architects pland Drive K2M 1P6	DRAWING NAME GRADING PLAN