DESCRIPTION	EXISTING	PROPOSED
SITE FEATURES		
PROPERTY LINE		
TERRACING (3:1 TYPICAL)		
© DITCH/SWALE AND DIRECTION OF FLOW © ROAD/ALIGNMENT		
CHAINLINK FENCE	xx	xx
PERIMETER FENCE FOUNDED ON SONOTUBE		
SIDEWALK (TYPE AS NOTED ON DRAWINGS)		
BARRIER CURB (SC1.1)		
MOUNTABLE CURB (SC1.3)		
DEPRESSED CURB	DC	DC
TACTILE WALKING SURFACE INDICATOR "TWSI" (SC7.3)		
BUILDING ENTRY/EXIT POST	▼xR	A DOCT
SIGN	© POST ♭ SIGN	⊚ POST ♭ SIGN
BOLLARD	⊚ BOLL	0
VEGETATION		○ * mm
SERVICES AND STRUCTURES		
SANITARY SEWER	SASA	250mmø SAN
COMBINATION SEWER	EX.300mmø COMB	300mmø COMB
STORM SEWER	SF <i>X.375mmø_STM</i> ST FX 150mmø_SUBDRAIN	375mmø STM 150mmø SUBDRAIN
STORM SUBDRAIN HI-40 THERMAL INSULATION AS PER OPSD 514.010	EX.150mmø_SUBDRAIN	150mmø SUBDRAIN
SANITARY MANHOLE	○ EX.SAN	SANMH 100
COMBINATION MANHOLE	○ EX.COMB	COMBMH 100
STORM MANHOLE	○ EX.STM	O STMMH 300
CATCHBASIN MANHOLE	○ EX.CBMH	● CBMH 200
CATCHBASIN	□ EX.CB	■ CB1
DOUBLE CATCHBASIN	EX.DCB	■■ DCB1
CATCHBASIN ELBOW (S30)	○ EX.CBE	O CBE
CATCHBASIN TEE (S31)	O EX.CBT	O CBT
CURB INLET CATCHBASIN DITCH INLET CATCHBASIN	□ EX.CICB □ EX.DICB	■ CICB 1 ■ DICB 1
WATERMAIN		200mmø WATERMAIN
IRRIGATION	W IR	IR IR
VALVE AND VALVE BOX	⊗ V&VB	⊗ V&VB
VALVE AND VALVE CHAMBER	⊗ V&VC	⊗ V&VC
FIRE HYDRANT	- Ó -FH	- Ó -FH
SIAMESE CONNECTION	Ŷsc	Ƴsc
WATER METER REMOTE WATER METER	(M) RM	(M) RM
45° BEND	√₁ 45°	رسی این 45°
22.5* BEND	<i>⊱</i> ₁ 22°	~ 22*
11.25° BEND	H 11°	H11°
TEE	т 200X150 TEE	₼ 200X150 TEE
REDUCER	> 200X100 RED	> 200X100 RED
CROSS	⊕300X200 CROSS	⊕300X200 CROSS
CURB STOP WATER WELL	⊗ CS	● CS ®
GRADING GROUND ELEVATION	X 100.00	X 100.00
GROUND ELEVATION SWALE ELEVATION	X 100.00(S)	X 100.00 X 100.00(S)
TOP OF GRATE ELEVATION	T/G=100.00	T/G=100.00
TOP OF WALL ELEVATION	X 100.00 T/W	X 100.00 T/W
BOTTOM OF WALL ELEVATION	X 100.00 B/W	X 100.00 B/W
FINISHED FLOOR ELEVATION	FF=100.00	FF=100.00
BASEMENT FLOOR ELEVATION	BF=100.00	BF=100.00
SLOPE AND DIRECTION OF FLOW	<u> </u>	2.0%
OVERLAND FLOW ROUTE ONSITE		
OVERLAND FLOW ROUTE EXTERNAL		<
STORMWATED MANIACEMENT		
STORMWATER MANAGEMENT		
SIURM URANNALE AREA E		1
STORM DRAINAGE AREA BOUNDARY STORM DRAINAGE AREA NUMBER STORM DRAINAGE AREA IN HECTARES	0.06	0.06
STORM DRAINAGE AREA NUMBER	0.06	0.06 0.75

DESCRIPTION

MISCELLANEOUS REMOVED RELOCATED ADJUSTED LIGHT DUTY PAVEMENT REFER TO NOTES FOR COMPOSITION HEAVY DUTY PAVEMENT TO NOTES FOR COMPOSITION ROAD REINSTATEMENT AS PER CITY STANDARD CURBE AND SIDEWALK REINSTATEMENT AS PER CITY STD. SC4.

RIP-RAP AS PER OPSD 810.010 LANDSCAPE REINSTATEMENT LANDSCAPE PLANS

PROPOSED SOFT LANDSCAPING AS PER PROPOSED CONCRETE PAVERS

GENERAL NOTES:

- 1. ALL WORKS AND MATERIALS SHALL CONFORM TO THE LATEST REVISIONS OF THE STANDARDS AND SPECIFICATIONS OF THE CITY OF OTTAWA, ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD) AND SPECIFICATIONS (OPSS), WHERE APPLICABLE.
- 2. THE LOCATION OF UTILITIES IS APPROXIMATE ONLY, AND THE EXACT LOCATION SHOULD BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES CONCERNED. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE THE LOCATION AND STATUS OF UTILITIES AND SHALL BE RESPONSIBLE FOR ADEQUATE PROTECTION OF PLANT AND EQUIPMENT FROM DAMAGE. THE CONTRACTOR SHALL BE RESPONSIBLE
- FOR REPAIR OR REPLACEMENT OF ANY SERVICES OR UTILITIES DISTURBED DURING CONSTRUCTION, TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION. 3. THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF EXISTING SERVICES PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL CONFIRM LOCATIONS AND ELEVATIONS OF EXISTING SERVICES AND STRUCTURES TO BE CONNECTED TO AND EXISTING SERVICES THAT MAY BE DAMAGED OR CAUSE CONFLICTS PRIOR TO CONSTRUCTION OF ANY NEW SEWER, WATER AND/OR STORM WATER WORKS. ALL DIMENSIONS SHALL BE CHECKED AND VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES, INTERPRETATIONS, CHANGES AND ADDITIONS TO THESE DRAWINGS

MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER, WHEN NOTED AND BEFORE PROCEEDING WITH CONSTRUCTION WORKS. DO NOT CONTINUE CONSTRUCTION IN AREAS WHERE DISCREPANCIES APPEAR UNTIL

- 4. ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE SPECIFIED. ALL DRAWINGS SHOULD NOT BE SCALED BY THE CONTRACTOR. ANY MISSING OR QUESTIONABLE DIMENSIONS ARE TO BE CONFIRMED WITH THE ENGINEER IN WRITING.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED AND BEAR COST OF THE SAME.
- 6. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE "OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS", THE GENERAL CONTRACTOR SHALL BE DEEMED TO BE THE CONSTRUCTOR AS DEFINED IN THE ACT.
- 7. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATION, BACKFILL AND REINSTATEMENT OF ALL AREAS DISTURBED DURING CONSTRUCTION TO THE SATISFACTION OF THE ENGINEER, THE CITY OF OTTAWA AND
- 8. ANY AREAS BEYOND THE LIMIT OF THE SITE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION AT THE CONTRACTOR'S EXPENSE.
- 9. THE CONTRACTOR SHALL COMPLY WITH THE CITY OF OTTAWA REQUIREMENTS FOR TRAFFIC CONTROL WHEN WORKING ON CITY STREETS. ALL CONSTRUCTION SIGNAGE MUST CONFORM TO THE M.T.O. BOOK 7 AND T.A.C MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (LATEST AMENDMENT).
- 10. THE SUPPORT OF ALL UTILITIES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
- 11. THERE WILL BE NO SUBSTITUTION OF MATERIALS UNLESS WRITTEN APPROVAL BY THE ENGINEER HAS BEEN OBTAINED.
- 12. EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE.
- 13. THE SITE LAYOUT IS THE RESPONSIBILITY OF THE CONTRACTOR. AS-BUILT SITE SERVICING & GRADING DRAWINGS SHALL BE MAINTAINED ON SITE BY THE CONTRACTOR.
- 14. THE CONTRACTOR WILL BE RESPONSIBLE FOR ADDITIONAL BEDDING OR ADDITIONAL STRENGTH PIPE IF THE MAXIMUM TRENCH WIDTH, AS SPECIFIED BY OPSD, IS EXCEEDED.
- 15. ALL NECESSARY CLEARING AND GRUBBING SHALL BE COMPLETED AY THE CONTRACTOR. REVIEW WITH ENGINEER AND THE CITY OF OTTAWA PRIOR TO ANY TREE CUTTING.
- 16. ALL EDGES OF DISTURBED PAVEMENT SHALL BE SAW CUT TO FORM A NEAT AND STRAIGHT LINE PRIOR TO PLACING NEW PAVEMENT.
- 17. ALL BOREHOLES SHOWN ON THE DRAWINGS ARE FOR INFORMATION ONLY. FOR GEOTECHNICAL INFORMATION REFER TO GEOTECHNICAL INVESTIGATION REPORT PREPARED BY EXP. SERVICES INC, DATED MAY 14,
- 18. THE CONTRACTOR SHALL APPRAISE HIS/HER SELF OF ALL SURFACE AND SUBSURFACE CONDITIONS TO BE ENCOUNTERED AND SHALL CARRY OUT THEIR OWN TEST PITS AS REQUIRED TO MAKE THEIR OWN INDEPENDENT ASSESSMENT OF GROUND CONDITIONS. THE CONTRACTOR SHALL NOT MAKE ANY CLAIM FOR ANY EXTRA COST DUE TO ANY SUCH GROUND CONDITIONS VARYING FROM THOSE ANTICIPATED BY THE
- 19. DO NOT CONSTRUCT USING DRAWINGS THAT ARE NOT MARKED "ISSUED FOR CONSTRUCTION".
- 20. FOR TOPOGRAPHICAL INFORMATION REFER TO PLAN PREPARED BY FAIRHALL MOFFAT WOODLAND LIMITED. DATED APRIL 3, 2019.
- 21. CIVIL DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, LANDSCAPE AND LEGAL DRAWINGS.
- 22. ALL NECESSARY CLEARING AND GRUBBING SHALL BE COMPLETED BY THE CONTRACTOR. REVIEW WITH CONTRACT ADMINISTRATOR AND THE CITY OF OTTAWA PRIOR TO ANY TREE CUTTING.
- 23. STREET LIGHTING SHALL BE TO CITY OF OTTAWA STANDARDS.

SUCH DISCREPANCIES HAVE BEEN RESOLVED.

SANITARY SEWER NOTES

ABOVE GRADE PAINTED RED.

- 1. ALL SANITARY SEWER MATERIALS AND INSTALLATION SHALL CONFORM TO THE LATEST REVISIONS OF THE STANDARDS AND SPECIFICATIONS OF THE CITY OF OTTAWA, ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD) AND SPECIFICATIONS (OPSS).
- 2. ALL SANITARY SEWERS SHALL BE PVC SDR 35, IPEX "RING-TITE" (OR EQUIVALENT), AS PER CSA STANDARD 8182.2 OR LATEST AMENDMENT, UNLESS OTHERWISE NOTED.
- 3. SANITARY SEWER TRENCH AND BEDDING SHALL BE AS PER CITY OF OTTAWA STD. S6 AND S7, CLASS 'B BEDDING UNLESS OTHERWISE NOTED.
- 4. ALL SANITARY LATERALS ARE TO BE PVC SDR 28, IPEX "RING-TITE" (OR EQUIVALENT), ANY COLOR EXCEPT WHITE AND MARKED WITH A 50MM X 100MM WOODEN MARKER, EXTENDING FROM THE INVERT TO 1.0 M
- 5. SEWER BEDDING AS PER CITY STANDARD S6 & S7. GRANULAR 'A' BEDDING TO BE INCREASED TO 300MM WHERE SEWERS ARE BELOW THE GROUNDWATER TABLE.
- . SANITARY SEWER MANHOLES SHALL BE BENCHED AS PER OPSD 701.021. SANITARY MANHOLE FRAME AND COVERS SHALL BE AS PER CITY OF OTTAWA STD. S24 AND S25. SAFETY PLATFORMS SHALL BE AS PER OPSD 404.02. DROP STRUCTURES SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA SPECIFICATIONS AND OPSD 1003.01.
- 7. THE CONTRACTOR SHALL CONDUCT INFILTRATION/EXFILTRATION (AS PER CURRENT OPSS) TESTING ON ALL NEWLY INSTALLED SANITARY SEWERS. THE TEST SHALL BE PERFORMED IMMEDIATELY AFTER SEWER
- 8. THE CONTRACTOR SHALL CONDUCT CCTV INSPECTION OF ALL NEWLY INSTALLED SANITARY SEWERS AND EXISTING SEWERS CONNECTED TO. THE TEST SHALL BE PERFORMED IMMEDIATELY AFTER SEWERS INSTALLED. 9. ALL SERVICE CONNECTIONS TO BE CONSTRUCTED AS PER CITY STANDARD S11 & S11.1.
- 10. THE CONTRACTOR SHALL CONSTRUCT FLEXIBLE SANITARY SEWERS IN ACCORDANCE WITH OPSD 802.010 AND 802.013. DURING CONSTRUCTION, THE CONTRACTOR SHALL PROTECT THE PIPES FROM HEAVY CONSTRUCTION EQUIPMENT. BEDDING AND BACKFILL SHALL BE COMPACTED TO A MINIMUM OF 95% SPMDD.
- 11. ALL SANITARY BUILDING DRAINS TO BE EQUIPPED WITH SANITARY BACKWATER VALVES INSTALLED PER CITY OF OTTAWA STANDARD DRAWING S14.1.
- 12. WITHIN THE FROST ZONE, THE BACKFILL IN THE SERVICE TRENCHES SHOULD MATCH THE SOIL ON SIDES TO MINIMIZE DIFFERENTIAL FROST HEAVING IN THE SUBGRADE. 13. MINIMUM SOIL COVER TO BE 2.1m TO PROTECT SEWERS FROM FROST DAMAGE. IN AREAS WHERE ADEQUATE FROST COVER CANNOT BE ACHIEVED, EQUIVALENT THERMAL INSULATION TO BE INSTALLED AS PER
- STORM SEWER NOTES
- 1. ALL STORM SEWER MATERIALS AND INSTALLATION SHALL CONFORM TO THE LATEST REVISIONS OF THE STANDARDS AND SPECIFICATIONS OF THE CITY OF OTTAWA, ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD) AND SPECIFICATIONS (OPSS).
- 2. ALL REINFORCED CONCRETE STORM SEWER PIPE SHALL BE IN ACCORDANCE WITH CSA A257.2 (LATEST AMENDMENT). ALL NON-REINFORCED CONCRETE STORM SEWER PIPE SHALL BE IN ACCORDANCE WITH CSA A257.L (LATEST AMENDMENT). PIPE SHALL BE JOINTED WITH STD. RUBBER GASKETS AS PER CSA A257.3 (LATEST AMENDMENT).
- 3. ALL PVC STORM SEWERS ARE TO BE SDR 35 APPROVED PER C.S.A. B182.2 OR LATEST AMENDMENT, UNLESS OTHERWISE SPECIFIED.
- 4. THE CONTRACTOR SHALL CONSTRUCT FLEXIBLE STORM SEWERS IN ACCORDANCE WITH OPSD 802.010 AND 802.013. RIGID STORM PIPE SHALL BE CONSTRUCTED IN ACCORDANCE WITH OPSD 802.030. DURING CONSTRUCTION THE CONTRACTOR SHALL PROTECT THE PIPES FROM HEAVY CONSTRUCTION EQUIPMENT. BEDDING AND BACKFILL SHALL BE COMPACTED TO A MINIMUM OF 95% SPMDD. 5. SEWER BEDDING AS PER CITY STANDARD S6 & S7.
- 6. ALL STORM LATERALS SHALL BE PVC SDR 28, WHITE IN COLOR AND MARKED WITH A 50mm X IOOmm WOODEN MARKER EXTENDING FROM THE INVERT TO 1.0M ABOVE GRADE PAINTED GREEN.
- 7. ALL SERVICE CONNECTIONS TO BE CONSTRUCTED AS PER CITY STANDARD S11 & S11.1.
- 8. WITHIN THE FROST ZONE, THE BACKFILL IN THE SERVICE TRENCHES SHOULD MATCH THE SOIL ON SIDES TO MINIMIZE DIFFERENTIAL FROST HEAVING IN THE SUBGRADE
- 9. MINIMUM SOIL COVER TO BE 2.1M TO PROTECT SEWERS FROM FROST DAMAGE. IN AREAS WHERE ADEQUATE FROST COVER CANNOT BE ACHIEVED, EQUIVALENT THERMAL INSULATION TO BE INSTALLED AS PER OPSD 514.010
- 10. ALL STORM SERVICES TO BE EQUIPPED WITH APPROVED BACKWATER VALVES.
- 11. STORM MANHOLE FRAME AND COVERS SHALL BE AS PER CITY OF OTTAWA STD. S24, S24.1 AND S25.
- 12. SAFETY PLATFORMS SHALL BE IN ACCORDANCE WITH OPSD 404.02.
- 13. DROP STRUCTURES SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA SPECIFICATIONS AND OPSD 1003.01.
- 14. STORM SEWER MANHOLES SERVING LOCAL SEWERS LESS THAN 900MM SHALL BE CONSTRUCTED WITH A 300MM SUMP. FOR STORM SEWERS 900MM AND OVER USE BENCHING IN ACCORDANCE WITH OPSD 701
- 15. SINGLE AND DOUBLE CATCHBASINS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. S1. AND OPSD 705.020, RESPECTIVELY. FRAMES AND GRATE SHALL BE AS PER CITY OF OTTAWA STD. S19 FOR REAR
- 16. CURB INLET TYPE CATCH BASIN (CICB) SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. S3. AND GRATE SHALL BE AS PER CITY OF OTTAWA STD. S22 AND S23, UNLESS OTHERWISE NOTED.
- 17. SINGLE AND DOUBLE CATCHBASIN LEADS SHALL BE 200MM AND 250MM DIA (MIN) RESPECTIVELY, 1.0% SLOPE (MIN.) UNLESS OTHERWISE NOTED.
- 18. ALL CATCHBASINS AND CATCHBASIN MANHOLES SHALL HAVE SUMPS WITH 300MM DEPTH, UNLESS OTHERWISE NOTED.
- 19. CONTRACTOR SHALL ENSURE THAT CATCHBASINS ARE INSTALLED AT THE LOW POINT OF SAG CURB WORKS.

3. ALL PVC WATERMAINS SHALL BE EQUAL TO AWWA C-900 CLASS 150, SDR 18, OR APPROVED EQUAL.

- 20. THE STORM SEWER CLASSES HAVE BEEN DESIGNED BASED ON BEDDING CONDITIONS SPECIFIED. WHERE THE SPECIFIED TRENCH WIDTH IS EXCEEDED, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ADDITIONAL BEDDING, A DIFFERENT TYPE OF BEDDING OR A HIGHER PIPE STRENGTH AT HIS OWN EXPENSE AND SHALL ALSO BE RESPONSIBLE FOR EXTRA TEMPORARY AND/OR PERMANENT REPAIRS MADE
- 21. THE CONTRACTOR SHALL CONDUCT CCTV INSPECTION OF ALL NEWLY INSTALLED STORM SEWERS AND EXISTING SEWERS CONNECTED TO. THE TEST SHALL BE PERFORMED IMMEDIATELY AFTER SEWERS INSTALLED. <u>WATERMAIN NOTES</u>
- 1. ALL WATERMAIN MATERIALS AND INSTALLATION SHALL CONFORM TO THE LATEST REVISIONS OF THE STANDARDS AND SPECIFICATIONS OF THE CITY OF OTTAWA, ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD) AND SPECIFICATIONS (OPSS).
- 2. NO WORK SHALL COMMENCE UNLESS A CITY WATER WORKS INSPECTOR IS ON SITE. WATERMAIN CONNECTIONS BY CITY OF OTTAWA FORCES WITH ALL EXCAVATION BACKFILL AND ROAD REINSTATEMENT BY
- 4. WATERMAINS TRENCH AND BEDDING SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD W17, UNLESS OTHERWISE SPECIFIED. BEDDING AND COVER MATERIAL SHALL BE SPECIFIED BY PROJECT GEOTECHNICAL ENGINEER.
- 5. ALL PVC WATERMAINS SHALL BE INSTALLED WITH A 10 GAUGE STRANDED COPPER TWU OR RWU TRACER WIRE IN ACCORDANCE WITH CITY OF OTTAWA STD. W36. 6. WATER SERVICES ARE TO BE TYPE K SOFT COPPER AS PER CITY OF OTTAWA STD. W26 UNLESS OTHERWISE SPECIFIED. ALL WATER SERVICES CROSSING SEWERS ARE TO BE INSTALLED AS PER CITY OF OTTAWA

STD. W38. WATER SERVICES SHALL BE MARKED WITH A "50mm X 100mm", EXTENDING FROM THE INVERT TO 1.0M ABOVE GRADE PAINTED BLUE. STAND POSTS/SHUT-OFFS SHALL BE INSTALLED AT THE

- 7. CATHODIC PROTECTION IS REQUIRED ON ALL METALLIC FITTINGS AS PER CITY OF OTTAWA STD. W40 AND W42.
- 8. VALVE BOXES SHALL BE INSTALLED AS PER CITY OF OTTAWA DETAIL W24.
- 9. ALL FIRE HYDRANTS TO BE INSTALLED AS PER CITY STANDARD W19 AND LOCATED AS PER CITY STANDARD W18 AND/OR CITY STANDARD CROSS SECTIONS.
- 10. ALL WATERMAINS TO BE INSTALLED AT MINIMUM COVER OF 2.4m.
- 11. THRUST BLOCKS AND RESTRAINT AS PER CITY OF OTTAWA DWGS: W25.3 AND W25.4, W25.5 AND W25.6.
- 12. IF WATERMAIN MUST BE DEFLECTED TO MEET ALIGNMENT, ENSURE THAT THE AMOUNT OF DEFLECTION USED IS LESS THAN HALF THAT RECOMMENDED BY THE MANUFACTURER.
- 13. DISINFECTION AND TESTING OF WATERMAIN TO BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS.
- 14. WATER METERS TO BE INSTALLED AS PER W30 FOR WATER SERVICES.
- 15. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY CAPS, PLUGS AND BLOW-OFFS AND NOZZLES REQUIRED FOR TESTING AND DISINFECTION OF THE WATERMAN.
- 16. INSULATION FOR WATERMAIN CROSSING OVER AND BELOW SEWER SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. W25.2 AND W25, RESPECTIVELY, WHERE WATERMAN COVER IS LESS THAN 2.4m.
- 17. WHERE THE SEPARATION BETWEEN SERVICES AND MANHOLES IS LESS THAN 1.2m, WATER SERVICES ARE TO BE INSULATED AS PER CITY OF OTTAWA STD. W23.
- 18. AS PER CITY GUIDELINE, THE MINIMUM VERTICAL CLEARANCE BETWEEN WATERMAIN AND SEWER / UTILITY IS 0.25M FOR CROSSING OVER THE SEWER, AS PER CITY STD W25.2. FOR CROSSING UNDER SEWER, THE MINIMUM VERTICAL CLEARANCE IS 0.50M AS PER CITY STD. W25. FOR CROSSING UNDER SEWER, ADEQUATE STRUCTURAL SUPPORT FOR THE SEWERS IS REQUIRED TO PREVENT EXCESSIVE DEFLECTION OF JOINTS AND SETTLING. THE LENGTH OF WATER PIPE SHALL BE CENTERED AT THE POINT OF CROSSING SO THAT THE JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE SEWER.

ROADWAY SPECIFICATIONS

- 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. SCI.1.1(BARRIER CURB) AND SC1.3 (MOUNTABLE CURB), AS NOTED. PROVISION SHALL BE MADE FOR CURB DEPRESSIONS AT SIDEWALKS
- 3. ROAD SUBDRAINS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. R1. SUBDRAINS SHALL BE 6M IN LENGTH AT CATCHBASINS. SUBDRAINS SHALL BE INSTALLED BOTH SIDES AT LOWPOINTS AND ON THE
- HIGH SIDE AT FLOWBY CATCHBASINS. 4. PAVEMENT REINSTATEMENT FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. R10 AND OPSD 509.010, OPSS 310.
- 5. GRANULAR "A" SHALL BE PLACED TO A MINIMUM THICKNESS OF 300MM AROUND ALL STRUCTURES WITHIN PAVEMENT AREA.
- 6. ALL GRANULAR FOR ROADS SHALL BE COMPACTED TO A MINIMUM OF 98% STANDARD PROCTOR DENSITY.
- 7. 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.
- 8. SUB- EXCAVATE SOFT AREAS AND FILL WITH GRANULAR 'B' COMPACTED IN MAXIMUM 300MM LIFTS.
- 9. PAVEMENT STRUCTURE: REFER TO THE GEOTECHNICAL INVESTIGATION REPORT DATED 10 JULY, 2019 PREPARED BY PATERSON GROUP.

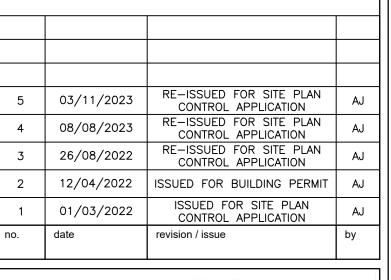
GENERAL NOTES FOR GRADING

- 1. IT SHALL BE THE BUILDER'S RESPONSIBILITY TO ENSURE THAT GRADING AROUND HYDRANTS, TRANSFORMERS, AND UTILITY PEDESTALS, ETC., MEET CURRENT CITY OF OTTAWA, HYDRO AND UTILITY COMPANY REQUIREMENTS.
- 2. ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED SWALE OR CATCH BASIN OUTLETS ARE PROVIDED. 3. CONTRACTOR TO ADJUST EXISTING CATCH BASINS, MANHOLES, FIRE HYDRANTS, VALVE CHAMBERS AND VALVE BOXES TO FINAL GRADE AS REQUIRED.
- 4. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING FOUNDATIONS OF ADJACENT BUILDINGS DURING EXCAVATION AND CONSTRUCTION PERIOD.
- 5. GRADING IN GRASSED AREAS WILL BE BETWEEN 2% TO 7%. GRADES IN EXCESS OF 7% WILL REQUIRE A MAXIMUM 3:1 TERRACING.



By Andrew McCreight at 2:24 pm, Jul 30, 2024









north point



+1.613.688.1899 | f: +1.613.225.733



CONSULATE

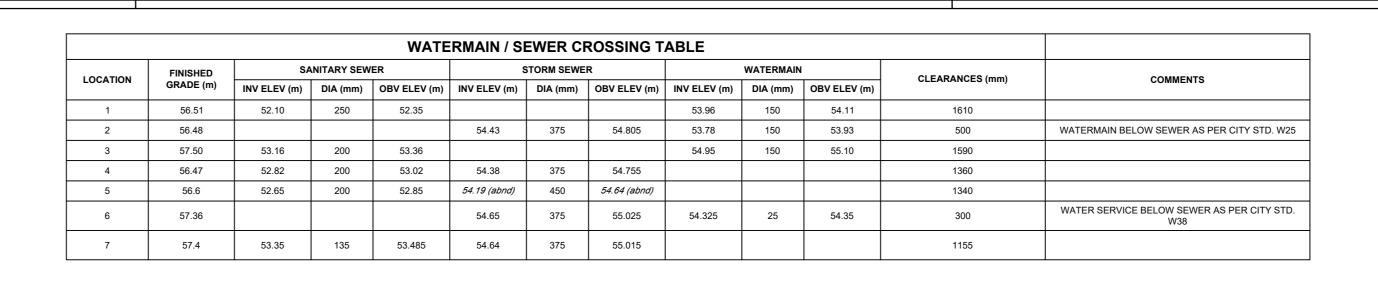
LEGENDS AND NOTES

scales	-	OTT-00261664-A0
drawn	A.Jariwala	drawing no.
approved	A.Ansari	C-001
plot date	05/10/2021	

1 DO NOT SCALE THIS DRAWING. 2 CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE WORK COMMENCES.

DRAWINGS: STRUCTURAL, MECHANICAL, ELECTRICAL

3 THIS DRAWING TO BE READ IN CONJUNCTION WITH THE FOLLOWING



S PER CITY STD.						BOTELER STREET NO.
		ICD SUM	MARY TABLE			
Control Location	Post-Dev Area No.	Max Flow (L/sec)	Max Head (m)	Туре	Model	MURRAY ST.
CBMH 203	A9, A10	6.00	2.6	Hydrovex	100-VHV-1	
CBMH 202	A7	6.00	0.9	Hydrovex	75-VHV-1	WELLINGTON ST. RIDEAU ST.
	1				•	

	The state of the s
	SITE LOCATION
	SITE LOCATION
	BOTELER STREET
$\neg \mid$	ST PATRICK ST.
] /	MURRAY ST.
WE	ILLINGTON ST. RIDEAU ST.

KEY PLAN

Ministry of Foreign Affairs

دولـــة قطـــر • State of Qatar

SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON

THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE

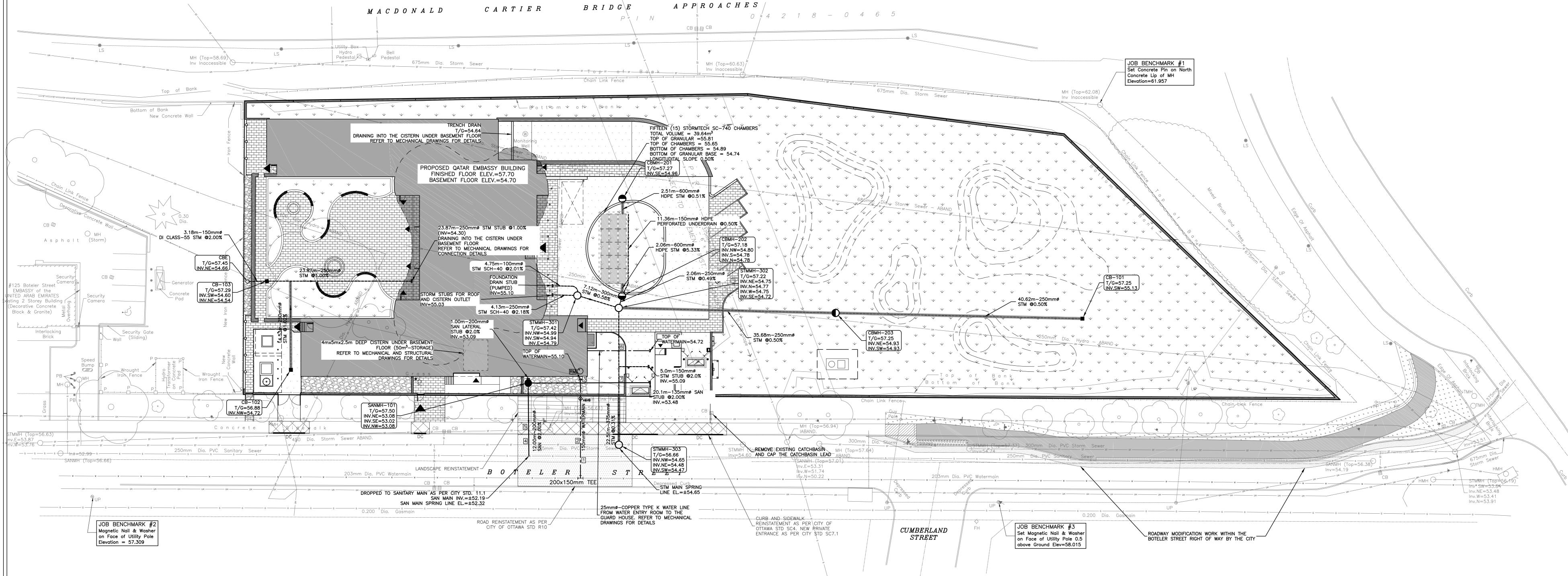
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMAINS,

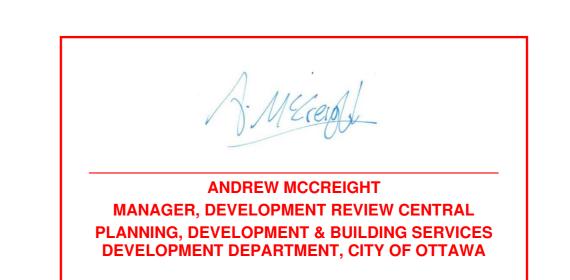
ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO

	Milly System Sussession		SITE LOCATION
	BOTELER STREET	KING	
		EDWARD	
	ST PATRICK ST.	8	
	MURRAY ST.		
WELLINGTON ST.	RIDEAU ST.		7-

	STRUCTURE TABLE												
STRUCTURE NUMBER	TYPE	LID ELEV	INVERT I	N (m) and	INVERT O	UT (m) and		STRUCTURE					
STRUCTURE NUMBER	ITPE	(m)	DIA	(mm)	DIA ((mm)	SIZE	REFERENCE	FRAME	COVER			
CB-101	STORM	57.25			55.130	(250)	600x600	OPSD 705.010	Ottawa S19	Ottawa S19			
CB-102	STORM	56.88			54.720	(250)	600x600	OPSD 705.010	Ottawa S19	Ottawa S19			
CB-103	STORM	57.29			54.540	(250)	600x600	OPSD 705.010	Ottawa S19	Ottawa S19			
CBMH-201	STORM	57.27			54.960	(600)	1200 DIA	OPSD 701.010	Ottawa S25	Ottawa S28.1			
ODMIL 2022	CTORM	57.40	54.800	(600)	54.700	(250)	(250) 4000 514	ODOD 704 040	0,1, 005	0# 000.4			
CBMH-202	STORM	57.18	54.780	(150)	54.780	(230)	1200 DIA	OPSD 701.010	Ottawa S25	Ottawa S28.1			
CBMH-203	STORM	57.25	54.930	(250)	54.930	(250)	1200 DIA	OPSD 701.010	Ottawa S25	Ottawa S28.1			
CBE	STORM	57.45			54.660	(150)	300 DIA	Ottawa S31	Ottawa S31	Ottawa S31			
STMMH-301	STORM	OTORIA	OTORIA	CTORM	57.40	54.940	(250)		(300)	1200 DIA	OPSD 701.010	Ottawa S25	Ottawa S24.1
S1MMH-301		57.42	54.990	(100) 54.790	(300)	1200 DIA	OPSD 701.010	Ollawa 525	Οτταwa S24.1				
			54.750	(250)									
STMMH-302	STORM	57.22	54.770	(250)	54.720	(375)	1500 DIA	OPSD 701.011	Ottawa S25	Ottawa S24.1			
			54.750	(300)									
OTMALL 202	STORM	50.00	54.650	(375)	54.470	(375)	4000 DIA	ODOD 704 040	0# 825	0# 004.4			
STMMH-303	STORM	56.66	54.480	(375)	54.470	(3/5)	1200 DIA	OPSD 701.010	Ottawa S25	Ottawa S24.1			
CANIMILADA	CANITADY	57.5	53.080	(200)	50,000	(200)	4000 DIA	ODOD 704 040	0# 825	0# 004			
SANMH-101	SANITARY	57.5	53.080	(135)	53.020	(200)	1200 DIA	OPSD 701.010	Ottawa S25	Ottawa S24			

PROPOSED SEWER TABLE									
STRUC	CTURE	TYPE	INVERT	ELEV (m)	NOMINAL DIA.	LENGTH	Туре	Class	Calculated Slope (%)
U/S	D/S	11172	U/S	D/S	(mm)	(m)	Type	Class	Calculated Glope (70)
CB-101	CBMH-203	Storm	55.130	54.930	250	40.62	PVC	SDR35	0.5%
CBMH-203	STMMH-302	Storm	54.930	54.750	250	35.68	PVC	SDR35	0.5%
CBMH-201	UG-CHAMBERS	Storm	54.960	54.947	600	2.51	HDPE	BOSS 2000	0.5%
UG-CHAMBERS	CBMH-202	Storm	54.910	54.800	600	2.06	HDPE	BOSS 2000	5.3%
CBMH-202	STMMH-302	Storm	54.780	54.770	250	2.06	PVC	SDR35	0.5%
BUILDING (STM STUB)	STMMH-301	Storm	55.030	54.940	250	4.13	PVC	SCH-40	2.2%
BUILDING (FDN DRAIN)	STMMH-301	Storm	55.100	54.990	100	4.75	PVC	SCH-40	2.3%
STMMH-301	STMMH-302	Storm	54.790	54.750	300	7.12	PVC	SDR35	0.6%
STMMH-302	STMMH-303	Storm	54.720	54.650	375	22.51	PVC	SDR35	0.3%
CB-102	STM SEWER	Storm	54.720	54.570	250	14.53	PVC	SDR35	1.0%
CBE	CB-103	Storm	54.665	54.600	150	3.18	DI	CLASS-55	2.0%
CB-103	BUILDING (TO CISTERN)	Storm	54.540	54.300	250	23.87	PVC	SDR35	1.0%
BUILDING (SAN STUB)	SANMH-101	Sanitary	53.090	53.080	200	0.50	PVC	SDR28	2.0%
GUARD HOUSE	SANMH-101	Sanitary	53.480	53.080	135	20.10	PVC	SDR28	2.0%



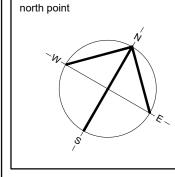


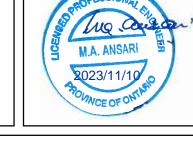
APPROVED By Andrew McCreight at 2:24 pm, Jul 30, 2024

5	03/11/2023	RE-ISSUED FOR SITE PLAN CONTROL APPLICATION	AJ
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2	12/04/2022	ISSUED FOR BUILDING PERMIT	AJ
1	01/03/2022	ISSUED FOR SITE PLAN CONTROL APPLICATION	AJ
no.	date	revision / issue	by









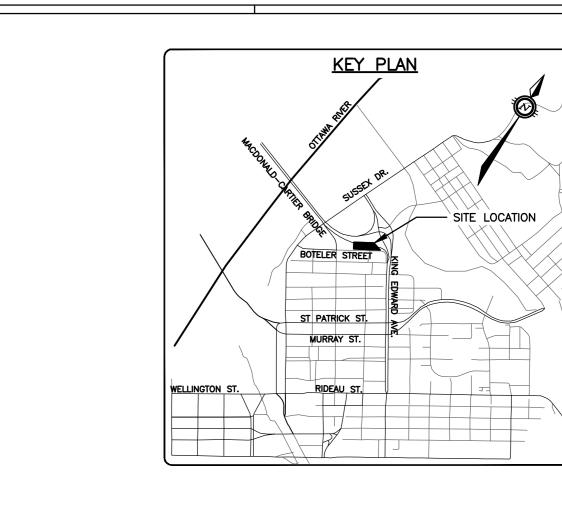
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NEW QATAR EMBASSY AND CONSULATE

SITE SERVICING PLAN

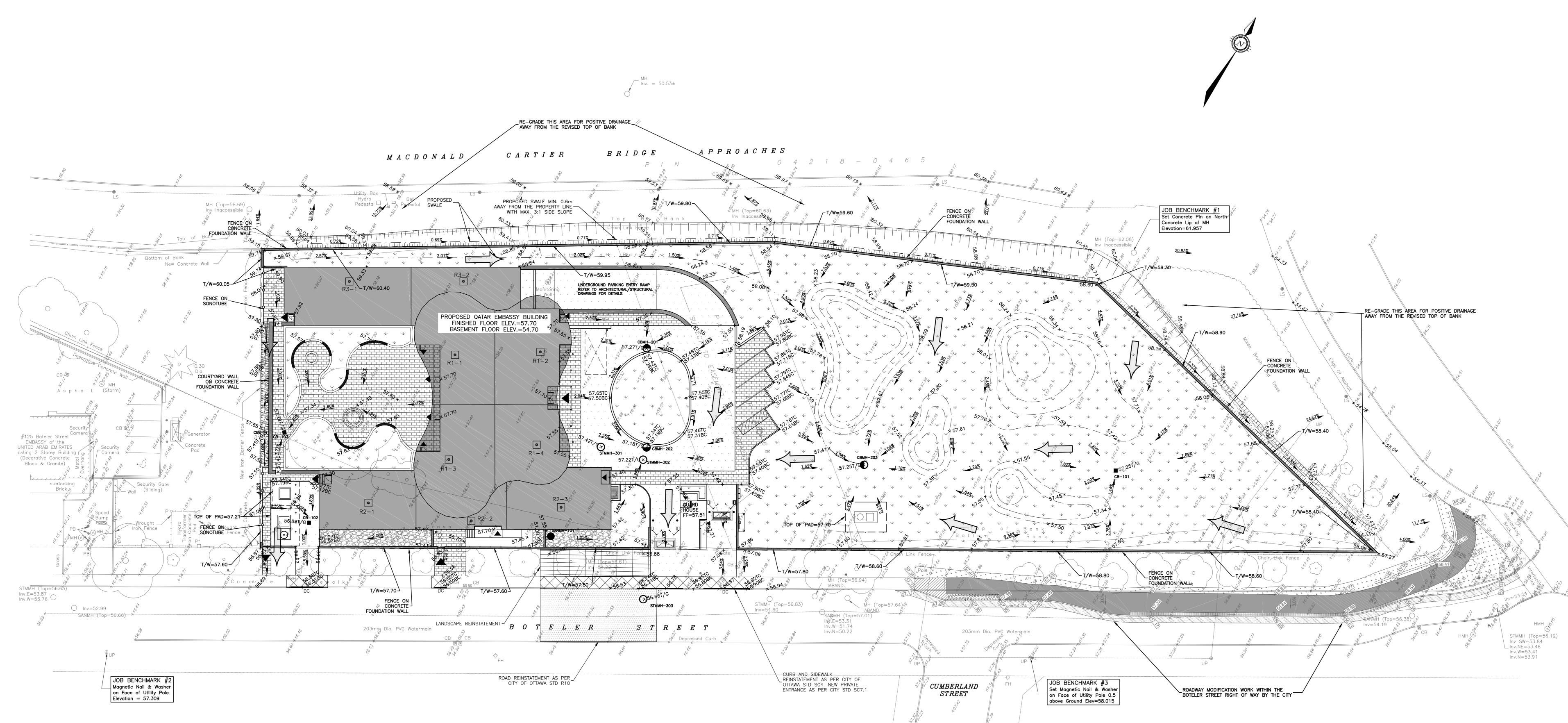
date		job.no.
scales	1:250	OTT-00261664-A0
drawn	A.Jariwala	
	A.Janwala	drawing no.
approved	A.Ansari	0.400
	A.Alisali	C-100
plot date	05/10/2021	

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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.



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grc architects

47 Clarence Street, Suite 401
Ottawa, Ontario K1N 9K1
t: 613-241-8203 f: 613-241-4180

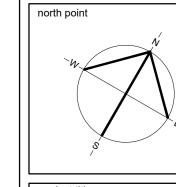


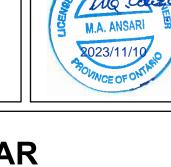
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NEW QATAR EMBASSY AND CONSULATE

drawing title
SITE GRADING PLAN

date job.no.

scales 1:250

drawn A.Jariwala

approved A.Ansari C-200

plot date 05/10/2021

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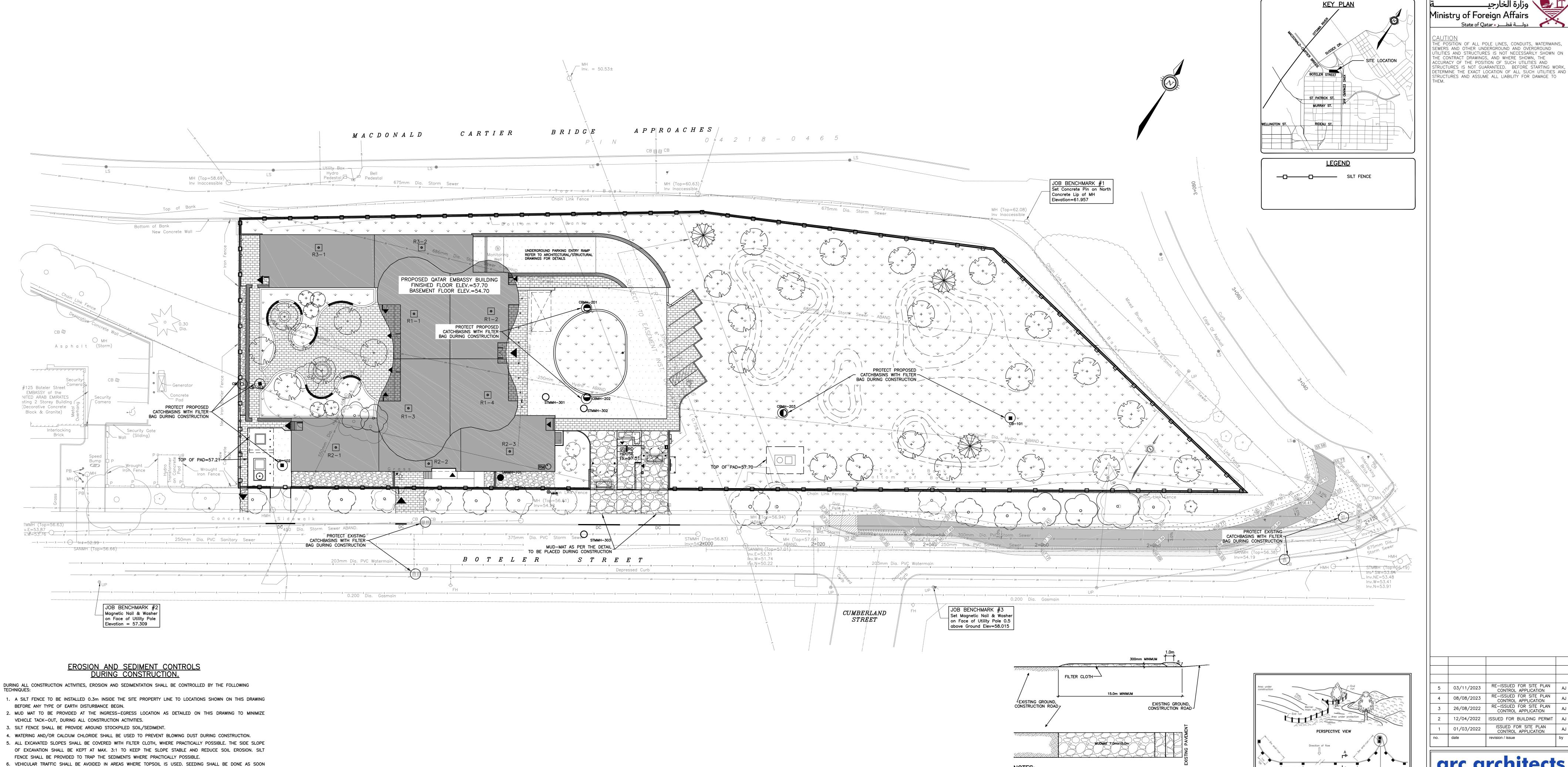
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APPROVED

By Andrew McCreight at 2:24 pm, Jul 30, 2024

ANDREW MCCREIGHT
MANAGER, DEVELOPMENT REVIEW CENTRAL

PLANNING, DEVELOPMENT & BUILDING SERVICES DEVELOPMENT DEPARTMENT, CITY OF OTTAWA



- 1. A SILT FENCE TO BE INSTALLED 0.3m INSIDE THE SITE PROPERTY LINE TO LOCATIONS SHOWN ON THIS DRAWING BEFORE ANY TYPE OF EARTH DISTURBANCE BEGIN.
- 2. MUD MAT TO BE PROVIDED AT THE INGRESS-EGRESS LOCATION AS DETAILED ON THIS DRAWING TO MINIMIZE
- 3. SILT FENCE SHALL BE PROVIDE AROUND STOCKPILED SOIL/SEDIMENT.

- AS POSSIBLE AFTER LAYING DOWN TOPSOIL IN THE LANDSCAPED AREAS. EXISTING VEGETATION SHALL BE PRESERVED WHERE PRACTICALLY POSSIBLE.
- 7. VEHICULAR TRAFFIC SHALL BE MINIMIZED WITHIN CONSTRUCTION SITE TO MINIMIZE SOIL COMPACTION WHERE
- 8. LIMIT THE EXTENT OF EXPOSED SOILS AT ANY GIVEN TIME. 9. MINIMIZE THE AREA TO BE CLEARED AND DISRUPTION TO ADJACENT AREAS.
- 10. INSTALL FILTER CLOTH BETWEEN FRAME AND COVER ON ALL PROPOSED STRUCTURES ON-SITE AND EXISTING STRICTURES OFF-SITE ALONG THE FLOW ROUTE AS SHOWN ON THIS DRAWING. IN ANY CASE, DIRECT ENTRY OF SEDIMENTS IN TO THE CITY SEWERS SHALL BE AVOIDED.
- DISCHARGING IT INTO THE CITY SEWER. 12. WASTEWATER FROM CONCRETE WASHOUT, STUCCO, PAINT, OILS, CURING COMPOUNDS AND ANY OTHER
- CONSTRUCTION MATERIALS WASHOUT, FUELS, OILS OR OTHER POLLUTANTS USED IN VEHICLES AND EQUIPMENT, SOAP, SOLVENTS, DETERGENTS, TOXIC OR HAZARDOUS SUBSTANCES SHALL BE PROHIBITED FROM DISCHARGING INTO THE OPEN ENVIRONMENT OR SEWERS. NO FUELING, MAINTENANCE OR WASHING OF EQUIPMENT SHALL BE CARRIED ON SITE. FOR STORAGE, HANDLING OF CONSTRUCTION MATERIAL AND WASTE, PLASTIC COVERING SHALL BE PROVIDED AND MAINTAINED TO PREVENT STORMWATER CONTACT. FOR WASTE DISPOSAL, REGULAR SITE CLEANING AND COLLECTION OF WASTE IN DESIGNATED WASTE CONTAINERS SHALL BE FOLLOWED. IN NO CASE, CONTAMINATED WATER SHALL BE RELEASED IN STORMWATER SYSTEM. 13. A VISUAL INSPECTION SHALL BE COMPLETED DAILY ON SEDIMENT CONTROL BARRIERS BY THE GENERAL

11. GROUNDWATER SHALL BE TREATED ON-SITE TO MEET THE CITY OF OTTAWA DISCHARGE REQUIREMENTS BEFORE

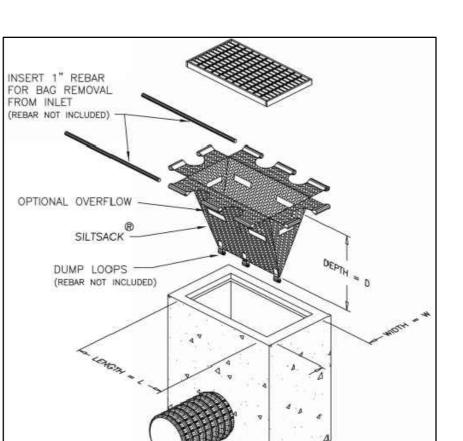
- CONTRACTOR AND ANY DAMAGE REPAIRED IMMEDIATELY. CARE SHALL BE TAKEN TO PREVENT DAMAGE DURING
- 14. IN SOME CASES SOME BARRIERS MAY BE REMOVED TEMPORARILY TO ACCOMMODATE THE CONSTRUCTION OPERATIONS. THE AFFECTED BARRIERS WILL BE REINSTATED AT NIGHT WHEN CONSTRUCTION IS COMPLETED. 15. THE SEDIMENT CONTROL DEVICES WILL BE CLEANED OF ACCUMULATED SILT AS REQUIRED. THE DEPOSITS WILL BE

DISPOSED OF AS PER THE REQUIREMENTS OF THE CONTRACT, REQUIREMENTS OF THE LOCAL MUNICIPALITY OR

- THE MINISTRY OF ENVIRONMENT, CONSERVATION AND PARKS (MECP), WHICHEVER IS MORE STRINGENT. 16. IN THE CASE OF EMERGENCY SPILL OF CONTAMINATED OR HAZARDOUS MATERIALS, MINISTRY OF ENVIRONMENT, CONSERVATION AND PARKS (MECP), CITY OF OTTAWA AND THE OWNER SHALL BE NOTIFIED AS SOON AS POSSIBLE. ALL POSSIBLE ACTIONS SHALL BE TAKEN TO PREVENT THE FURTHER SPREAD OF CONTAMINANT INTO
- THE ENVIRONMENT. 17. DURING THE COURSE OF CONSTRUCTION IF THE ENGINEER BELIEVES THAT ADDITIONAL PREVENTION METHODS ARE REQUIRED TO CONTROL EROSION AND SEDIMENTATION, THE CONTRACTOR WILL INSTALL ADDITONAL SILT FENCES OR
- OTHER METHODS AS REQUIRED TO THE SATISFACTION OF THE ENGINEER. 18. CONSTRUCTION AND MAINTENANCE REQUIRMENTS FOR EROSION AND SEDIMENT CONTROLS TO COMPLY WITH ONTARIO PROVINCIAL STANDARD SPECIFICATION (OPSS) OPSS 805, AND CITY OF OTTAWA SPECIFICATIONS. 19. SEDIMENT AND EROSION CONTROL MEASURES MAY BE MODIFIED IN THE FIELD AT THE DISCRETION OF THE CITY
- OF OTTAWA SITE INSPECTOR OR CONSERVATION AUTHORITY. 20. ALL POLLUTION PREVENTION MEASURES SHALL BE INSPECTED ONCE EVERY 7-CALENDAR DAY OR AS REQUIRED BY THE GENERAL CONTRACTOR. DAMAGED MEASURES SHALL BE REPAIRED OR REPLACED BEFORE COMMENCING THE WORK OR EARLIEST POSSIBLE.
- 21. AREAS WITH GROUND DISTURBANCE, EROSION, AND SEDIMENT CONTROL METHODS, ON SITE OVERLAND FLOW AREAS, DISCHARGE POINTS, STABILIZED AREAS SHALL BE INSPECTED BY THE GENERAL CONTRACTOR. INSPECTION REPORT SHALL BE PREPARED WITHIN 24 HOURS OF INSPECTION BY THE GENERAL CONTRACTOR. DATE STAMPED PHOTOGRAPHS ARE TO BE INCLUDED IN THE REPORT.

- 1. STONE USE CLEAR CRUSHED 100mm STONE.
- 2. LENGTH AS REQUIRED BUT NOT LESS THAN 15.0m. 3. THICKNESS - NOT LESS THAN 300mm.
- 4. WIDTH 7.0m MINIMUM, NOT LESS THAN THE WIDTH AT POINTS WHERE
- 5. FILTER CLOTH WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE. . MAINTENANCE — THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION
- WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRED PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED OR TRACKED ONTO THE PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.
- 7. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

MUD MAT DETAIL



APPROVED By Andrew McCreight at 2:24 pm, Jul 30, 2024 PROVIDE FILTER BAGS AS SHOWN (GEO-SYNTHETICS MANUFACTURER OR APPROVED EQUIVALENT)

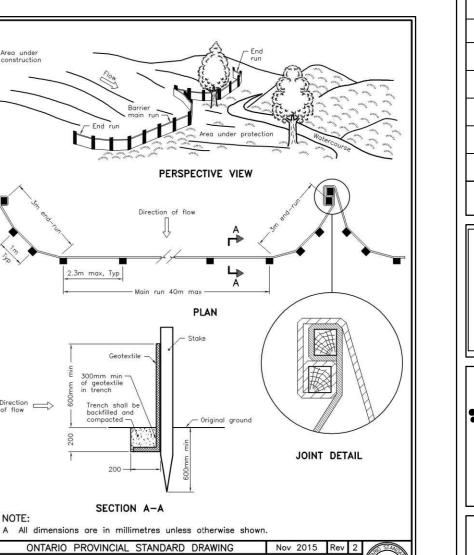
ANDREW MCCREIGHT

MANAGER, DEVELOPMENT REVIEW CENTRAL

PLANNING, DEVELOPMENT & BUILDING SERVICES

DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

FILTER BAG DETAIL



OPSD 219.110

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO WOOD POSTS WITH WIRE TIES OR STAPLES. 2. POSTS TO BE SPACED AT 2.3 METRES CENTRE TO CENTRE.

3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY A MINIMUM OF 500mm. 4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE. 5. WOOD POSTS TO BE HARDWOOD TYPE (50mm x 50mm).
6. GEOTEXTILE TO BE EMBEDDED 200mm INTO GROUND.
7. GEOTEXTILE TO CONFORM TO OPSS 805 STANDARDS.

LIGHT-DUTY

SILT FENCE BARRIER

8. SILT FENCE MUST BE INSTALLED BEFORE COMMENCEMENT OF CONSTRUCTION AND IN ACCORDANCE WITH DETAIL. SILT FENCE CAN BE REMOVED AFTER LANDSCAPING IS COMPLETE.

9. SEDIMENTS MUST BE CLEARED AWAY WHEN THEY REACH HALF THE HEIGHT OF THE FENCE.

NEW QATAR EMBASSY AND CONSULATE

EROSION AND SEDIMENT CONTROL PLAN

RE-ISSUED FOR SITE PLAN CONTROL APPLICATION

RE-ISSUED FOR SITE PLAN CONTROL APPLICATION

RE-ISSUED FOR SITE PLAN

CONTROL APPLICATION

ISSUED FOR SITE PLAN CONTROL APPLICATION

12/04/2022 | ISSUED FOR BUILDING PERMIT |

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08/08/2023

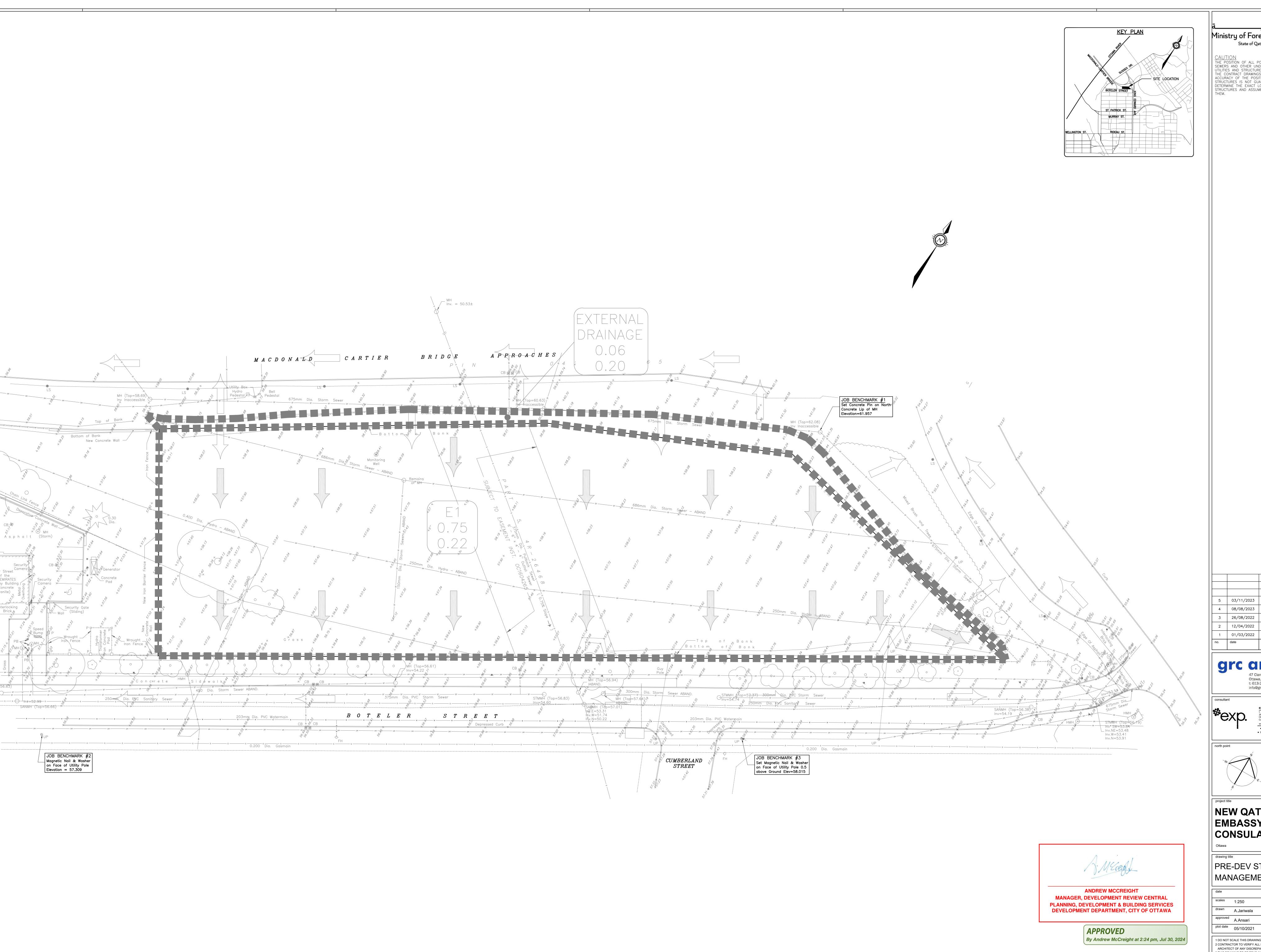
26/08/2022

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l			
	date		job.no.
	scales	1:250	OTT-00261664-A0
	drawn	A.Jariwala	drawing no.
	approved	A.Ansari	C-300
l	plot date	05/10/2021	

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DRAWINGS: STRUCTURAL, MECHANICAL, ELECTRICAL





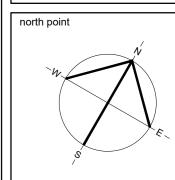
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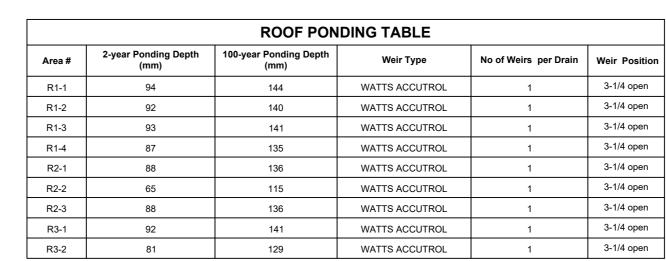
PRE-DEV STORMWATER MANAGEMENT PLAN

date		job.no.
scales	1:250	OTT-00261664-A0
drawn	A.Jariwala	drawing no.
approved	A.Ansari	C-400

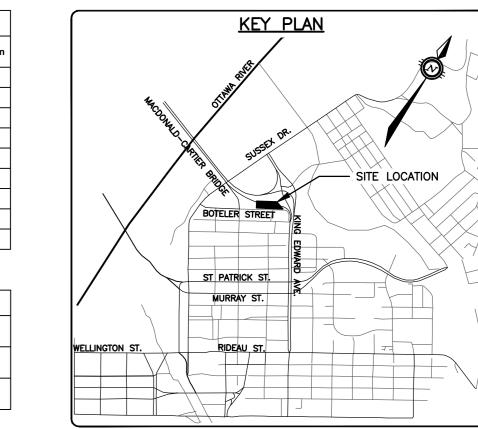
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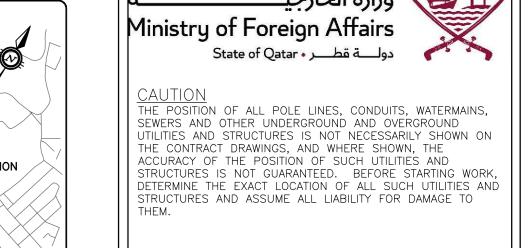
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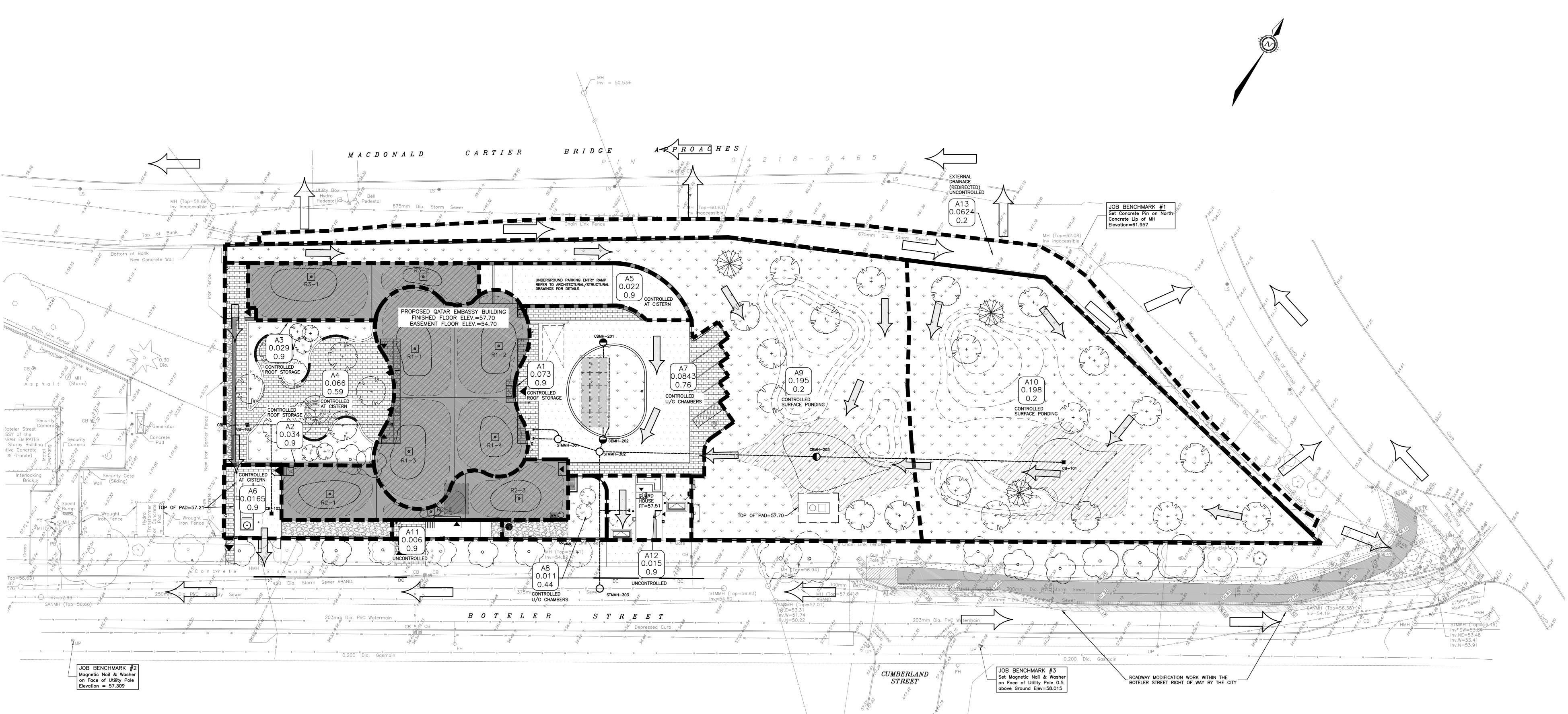
PLAN# 18699



	SURFACE PONDING TABLE									
a #	2-year Ponding Depth (mm)	2-year Ponding Area (m2)	100-year Ponding Depth (mm)	100-year Ponding Area (m2)	Control Type	Ponding Location	Max. Ponding Depth (mm)			
9	150 (Elev.=57.40)	99	250 (Elev.=57.50)	232	ICD (at CBMH-203)	CBMH-203 (T/G=57.25m)	300 (Elev.=57.55m)			
10	150 (Elev.=57.40)	96	250 (Elev.=57.50)	254	ICD (at CBMH-203)	CB-101 (T/G=57.25m)	300 (Elev.=57.55m)			

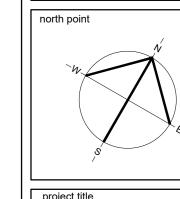














NEW QATAR
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CONSULATE

Ottawa On drawing title

POST-DEV STORMWATER

MAN	IAGEMENT PI	_AN
date		job.no.
scales	1:250	OTT-00261664-A0
drawn	A.Jariwala	drawing no.
approved	A Ansari	C FOO

approved A.Ansari

plot date 05/10/2021

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APPROVED

By Andrew McCreight at 2:24 pm, Jul 30, 2024

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MANAGER, DEVELOPMENT REVIEW CENTRAL

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