NOTES: GENERAL

- 1. DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL AND LANDSCAPE DRAWINGS
- 2. ALL SERVICES, MATERIALS, CONSTRUCTION METHODS AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND REGULATIONS OF THE: CITY OF OTTAWA STANDARD SPECIFICATIONS AND DRAWINGS ONTARIO PROVINCIAL SPECIFICATION STANDARD SPECIFICATION (OPSS) AND ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD), UNLESS OTHERWISE SPECIFIED, TO THE SATISFACTION OF THE CITY AND THE CONSULTANT
- 3. THE POSITION OF EXISTING POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND ABOVEGROUND UTILITIES. STRUCTURES AND APPURTENANCES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWING AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL SATISFY HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM DURING THE COURSE OF CONSTRUCTION. ANY RELOCATION OF EXISTING UTILITIES REQUIRED BY THE DEVELOPMENT OF SUBJECT LANDS IS TO BE UNDERTAKEN AT CONTRACTOR'S EXPENSE.
- 4 THE CONTRACTOR MUST NOTIFY ALL EXISTING UTILITY COMPANY OFFICIALS FIVE (5) BUSINESS DAYS PRIOR TO START OF CONSTRUCTION AND HAVE ALL EXISTING UTILITIES AND SERVICES LOCATED IN THE FIELD OR EXPOSED PRIOR TO THE START OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO POWER, COMMUNICATION AND GAS LINES.
- 5. ALL TRENCHING AND EXCAVATIONS TO BE IN ACCORDANCE WITH THE LATEST REVISIONS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS AND AS PER THE RECOMMENDATIONS INCLUDED IN THE GEOTECHNICAL REPORT.
- 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 GEOVERRA (ON) LTD. DATED ON JULY 13, 2022. CONTRACTOR TO VERIFY IN THE FIELD PRIOR TO CONSTRUCTION OF ANY WORK AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- 8. ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS. VERIFY THAT JOB BENCHMARKS HAVE NOT BEEN ALTERED OR DISTURBED.
- 9. ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED SWALE OR CATCH BASIN OUTLETS ARE PROVIDED.
- 10. ALL EDGES OF DISTURBED PAVEMENT SHALL BE SAW CUT TO FORM A NEAT AND STRAIGHT LINE PRIOR TO PLACING NEW PAVEMENT. PAVEMENT REINSTATEMENT SHALL BE WITH STEP JOINTS OF 500mm WIDTH MINIMUM.
- 11. ALL DISTURBED AREAS OUTSIDE PROPOSED GRADING LIMITS TO BE RESTORED TO ORIGINAL ELEVATIONS AND CONDITIONS UNLESS OTHERWISE SPECIFIED. ALL RESTORATION SHALL BE COMPLETED WITH THE GEOTECHNICAL REQUIREMENTS FOR BACKFILL AND COMPACTION.
- 12. ABUTTING PROPERTY GRADES TO BE MATCHED UNLESS OTHERWISE SHOWN.
- 13. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE MUNICIPAL AUTHORITIES PRIOR TO COMMENCING CONSTRUCTION, INCLUDING WATER PERMIT AND ROAD CUT PERMIT.
- 14. MINIMIZE DISTURBANCE TO EXISTING VEGETATION DURING THE EXECUTION OF ALL WORKS.
- 15. REMOVE FROM SITE ALL EXCESS EXCAVATED MATERIAL UNLESS OTHERWISE DIRECTED FROM THE ENGINEER. EXCAVATE AND REMOVE ALL ORGANIC MATERIAL AND DEBRIS LOCATED WITHIN THE PROPOSED BUILDING, PARKING AND ROADWAY LOCATIONS.
- 16. AT PROPOSED UTILITY CONNECTION POINTS AND CROSSINGS (I.E. STORM SEWER SANITARY SEWER WATER FTC.) THE CONTRACTOR SHALL DETERMINE THE PRECISE LOCATION AND DEPTH OF EXISTING UTILITIES AND REPORT ANY DISCREPANCIES OR CONFLICTS TO THE ENGINEER BEFORE COMMENCING
- 17. CONTRACTOR TO OBTAIN POST-CONSTRUCTION TOPOGRAPHIC SURVEY, COMPLETED BY OLS OR PENG CONFIRMING COMPLIANCE WITH DESIGN GRADING AND SERVICING. SURVEY IS TO INCLUDE LOCATION AND INVERTS FOR
- 18. ABIDE BY RECOMMENDATIONS OF GEOTECHNICAL REPORT. REPORT ANY VARIATIONS IN OBSERVED CONATIONS FROM THOSE INCLUDED IN REPORT.

REPORT REFERENCES

- i. SERVICING REPORT AND STORMWATER MANAGEMENT REPORT, PREPARED BY WSP CANADA INC, PROJ. NO. 221-04646-00, DECEMBER 16, 2022 ii. GEOTECHNICAL INVESTIGATION, PREPARED BY GOLDER ASSOCIATED LTD, PROJ. NO. 22524317, DECEMBER 16, 2022
- 20. PROVIDE CCTV INSPECTION REPORT FOR ALL SEWERS AND CATCHBASIN LEADS 200mm DIAMETER AND LARGER. REPEAT CCTV INSPECTION FOLLOWING RECTIFICATION OF ANY DEFICIENCIES.

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 C06. 1.2. INSTALL SILTSACK 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
- 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.

THE EXISTING SITE IS DISTURBED AT THE PERIMETER.

APPROVED BY THE FIELD ENGINEER.

- 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
- NECESSARY DRAWING TO BE REVIEWED AND REVISED AS REQUIRED DURING CONSTRUCTION. EROSION CONTROL FENCING TO BE ALSO INSTALLED AROUND THE BASE OF ALL

AND WITHIN 24 HOURS AFTER A STORM EVENT. CLEAN AND REPAIR WHEN

- 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).
- 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

2.9. CONTROL WIND-BLOWN DUST OFF SITE BY SEEDING TOPSOIL PILES AND OTHER

- 2.11. CITY ROADWAY AND SIDEWALK TO BE CLEANED OF ALL SEDIMENT FROM VEHICULAR TRACKING AS REQUIRED.
- 2.12. DURING WET CONDITIONS, TIRES OF ALL VEHICLES/EQUIPMENT LEAVING THE SITE
- ARE TO BE SCRAPED. 2.13. ANY MUD/MATERIAL TRACKED ONTO THE ROAD SHALL BE REMOVED IMMEDIATELY
- BY HAND OR RUBBER TIRE LOADER. 2.14. TAKE ALL NECESSARY STEPS TO PREVENT BUILDING MATERIAL, CONSTRUCTION DEBRIS OR WASTE BEING SPILLED OR TRACKED ONTO ABUTTING PROPERTIES OR
- PUBLIC STREETS DURING CONSTRUCTION AND PROCEED IMMEDIATELY TO CLEAN UP ANY AREAS SO AFFECTED 2.15. ALL EROSION CONTROL STRUCTURE TO REMAIN IN PLACE UNTIL ALL DISTURBED GROUND SURFACES HAVE BEEN STABILIZED EITHER BY PAVING OR RESTORATION
- OF VEGETATIVE GROUND COVER 2.16. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES, TO PROVIDE FOR PROTECTION OF THE AREA DRAINAGE SYSTEM AND THE RECEIVING WATERCOURSE, DURING CONSTRUCTION ACTIVITIES. THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.

NOTES: WATERMAIN

- 1. ALL WATERMAIN AND WATERMAIN APPURTANANCES, MATERIALS, CONSTRUCTION AND TESTING METHODS SHALL CONFORM TO THE CURRENT NOTES: STORM SEWERS AND STRUCTURES 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 17. STORM SEWERS 450mm DIAMETER AND SMALLER SHALL BE PVC SDR-35, WITH FINISHED GRADE. WHERE WATERMAINS CROSS OVER OTHER UTILITIES, A MINIMUM 0.30m CLEARANCE SHALL BE MAINTAINED; WHERE WATERMAINS 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, STANDARD W23.
- 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.
- 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.
- 9. REFER TO LANDSCAPE DRAWINGS FOR IRRIGATION SYSTEM REQUIREMENTS

NOTES: SANITARY SEWER AND MANHOLES

OTTAWA STANDARD W40 & W42.

- 10. 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
- 11. 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.

12. SEWER BEDDING AS PER CITY OF OTTAWA DETAIL S6.

FROM INLET

- 13. 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.
- 14. MAINTENANCE HOLE BENCHING AND PIPE OPENING ALTERNATIVES AS PER THE OPSD 701.021

15. ANY SANITARY SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD W22, OR APPROVED BY THE ENGINEER.

- 16. 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.
- CROSS UNDER OTHER UTILITIES, A MINIMUM 0.50m CLEARANCE SHALL BE 18. STORM SEWER LARGER THAN 450mm SHALL BE REINFORCED CONCRETE CLASS
 - 19. SEWER BEDDING AS PER CITY OF OTTAWA DETAIL S6.

RUBBER GASKET PER CSA A-257.3.

- THERMAL INSULATION SHALL BE PROVIDED AS PER CITY OF OTTAWA 20. ALL STORM MANHOLES TO BE AS PER STORM STRUCTURE TABLE ON DRAWING
- 4. CONCRETE THRUST BLOCKS AND MECHANICAL RESTRAINTS ARE TO BE 21. ANY NEW OR EXISTING STORM SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD W22, OR APPROVED BY THE ENGINEER. ADD INSULATION ABOVE EXISTING STORM SEWER BETWEEN CBMH109 AND CB114.
- 5. CATHODIC PROTECTION REQUIRED FOR ALL IRON FITTINGS AS PER CITY OF 22. CB IN LANDSCAPE AREAS SHALL BE AS PER CITY OF OTTAWA STANDARD S29, S30 AND S31.
- 6. ALL VALVES AND VALVE BOXES AND CHAMBERS, HYDRANTS, AND HYDRANT 23. ALL CATCHBASIN LEADS TO BE MINIMUM 200mm DIAMETER AT MINIMUM 1.0% SLOPE UNLESS OTHERWISE SPECIFIED.
 - 24. STORM CATCHBASINS AS PER OPSD 705.010 AND FRAME/COVER AS PER CITY STANDARD DRAWINGS S19. STORM CBMH'S AS INDICATED IN TABLE WITH SUMP, ADJUSTMENT SECTIONS SHALL BE AS PER OPSD 704.010.
 - 25. INSTALLATION OF FLOW CONTROL ICD'S TO BE VERIFIED BY QUALITY VERIFICATION ENGINEER RETAINED BY CONTRACTOR.

NOTES: PARKING LOT AND WORK IN PUBLIC RIGHTS OF WAY

- 1. CONTRACTOR TO REINSTATE ROAD CUTS AS PER CITY OF OTTAWA DETAIL R10.
- 2. CONTRACTOR TO PREPARE SUBGRADE, INCLUDING PROOFROLLING, TO THE SATISFACTION OF THE GEOTECHNICAL CONSULTANT PRIOR TO THE COMMENCEMENT OF PLACEMENT OF GRANULAR B MATERIAL.
- 3. FILL TO BE PLACED AND COMPACTED PER THE GEOTECHNICAL REPORT REQUIREMENTS.
- 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
- 5. 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
- 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
- 10. ALL EXCESS MATERIAL TO BE HAULED OFFSITE AND DISPOSED OF AT AN APPROVED DUMP SITE SHOULD THE CONTRACTOR DISCOVER ANY HAZARDOUS MATERIAL CONTRACTOR IS TO NOTIFY CONSULTANT. CONSULTANT TO DETERMINE APPROPRIATE DISPOSAL METHOD/LOCATION.

11. PAVEMENT STRUCTURE (MATERIAL TYPES AND THICKNESS) FOR HEAVY DUTY, LIGHT DUTY AND BASKETBALL COURT AREAS TO BE AS SPECIFIED IN THE GEOTECHNICAL REPORT AND SHOWN ON THE PLANS

OPSS GRANULAR A BASE	150 mm
OPSS GRANULAR B TYPE II SUBBASE	300 mm
PAVEMENT STRUCTURE - NEW ACCESS ROAD TRAFFIC AREAS	WAYS AND TRUCK
PAVEMENT COMPONENT	THICKNESS
SUPERPAVE 12.5 SURFACE COURSE	40 mm
ASPHALTIC CONCRETE	50 mm
OPSS GRANULAR A BASE	150 mm

PAVEMENT STRUCTURE - NEW CAR PARKING AREAS PAVEMENT COMPONENT

SUPERPAVE 12.5 SURFACE COURSE

OPSS GRANULAR B TYPE II SUBBASE

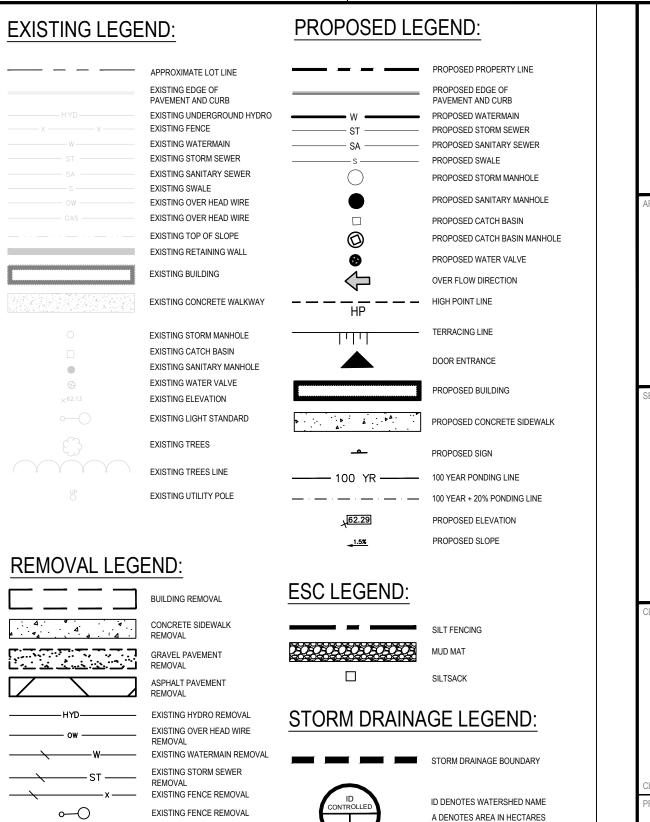
WATERMAIN SCHEDULE									
STATION	DESCRIPTION	FINISHED	TOP OF	AS-BUILT	COVER				
	DESCRIPTION	GRADE	WATERMAIN	WATERMAIN					
	E	UILDING A							
0+000	W/M STUB	78.22	75.820		2.40				
0+014.34	150mm VB	78.02	75.620		2.40				
0+023.13	Crossing 450mmØ PVC STM	77.75	75.350		2.40				
	Connect to ex. 406mm W/M								
0+028.56	with TEE	77.65	75.250		2.40				
		BUILDING B							

			S	AN STRUC	TURE TABLE						
STRUCTURE ID	TOP OF GRATE		١N	IVERT	DESCRIPTION						
	ELEVATION	INLET	INLET	INLET	OUTLET	SIZE	OPSD	COVER			
BUILDING 1											
SANMH01	78.02			74.640	74.620	1200mm DIA.	OPSD-701.010	S24			
SANMH02	77.67			75.070	75.040	1200mm DIA.	OPSD-701.010	S24			

Crossing								
Number	Pipe Size and Type	Obvert	Invert	Clearance	Clearance Type	Obvert	Invert	Pipe Size and Type
1	150mmØ PVC WM	75.340	75.190	0.211	Clearance Under	76.001	75.551	EX.450mm ØPVC STM
2	200mmØ PVC SAN	75.316	75.116	0.764	Clearance Under	76.280	76.080	200mmØ PVC STM
3	200mmØ PVC SAN	74.685	74.485	0.938	Clearance Under	76.073	75.623	EX.450mm ØPVC STM
4	375mmØ PVC STM	75.084	74.709	0.849	Clearance Over	73.860	73.454	EX.406mm ØW/M
7	375mmØ PVC STM	74.321	74.696	1.405	Clearance Over	73.291	73.041	EX.250mm ØPVC SAN

*Note: Provide Concrete Encased for corssing clearance less than 0.3m

							STORM	STRUCTURE TABLE						
STRUCTURE	AREA ID	TOP OF				STRU	CTURE INFO		OUTLET PIPE INFO		ICD INFO			
ID	ID AREA ID	GRATE	INLET	INLET	INLET	OUTLET	SIZE	OPSD	COVER	DIAMETER	TYPE	HEAD (m)	FLOW (I/s)	ICD TYPE
BUILDING 1														
CB01		77.78				76.510	600X600mm	OPSD 701.010	S19.1	200	PVC SDR-35	1.45	6	Hydrovex 75VHV-1
CB02		77.65				75.610	600X600mm	OPSD 701.010	S19.1	200	PVC SDR-35	2.24	6	Hydrovex 75VHV-1
CB03		77.65				75.350	600X600mm	OPSD 701.010	S19.1	200	PVC SDR-35	2.46	6	Hydrovex 75VHV-1
CB04		77.65				75.150	600X600mm	OPSD 701.010	S19.1	200	PVC SDR-35	2.64	6	Hydrovex 75VHV-1
CB05		76.50				75.180	600X600mm	OPSD 701.010	S19.1	200	PVC SDR-35			
CB06		76.53		75.000	74.900	74.170	600X600mm	OPSD 701.010	S19.1	250	PVC SDR-35			0.18 m Orifice
STMH100		77.86			76.280	76.250	1200mm DIA.	OPSD 701.010	S24.1	200	PVC SDR-35			
STMH101		78.09			75.450	75.350	1200mm DIA.	OPSD 701.010	S28.1	300	PVC SDR-35			
STMH102		77.38			74.850	74.790	1200mm DIA.	OPSD 701.010	S24.1	300	PVC SDR-35			
STMH103		77.52			74.750	74.690	1200mm DIA.	OPSD 701.010	S24.1	300	PVC SDR-35			
STMH104		77.31			74.450	74.420	1200mm DIA.	OPSD 701.010	S24.1	300	PVC SDR-35			
STMH105		76.80		74.370	74.220	74.220	1200mm DIA.	OPSD 701.010	S24.1	525	PVC SDR-35			
STMH106		76.53		75.790	74.790	74.720	1200mm DIA.	OPSD 701.010	S24.1	375	PVC SDR-35			
STMH107		77.36		76.010	75.960	75.910	1200mm DIA.	OPSD 701.010	S24.1	300	PVC SDR-35	2.02	14	Hydrovex 100VHV-1
CBMH108		76.50			74.850	74.800	1200mm DIA.	OPSD 701.010	S24.1	300	PVC SDR-35			
CBMH109		76.50			75.010	74.950	1200mm DIA.	OPSD 701.010	S24.1	250	PVC SDR-35			
STMH110		76.70		74.770	74.690	74.550	1200mm DIA.	OPSD 701.010	S24.1	525	PVC SDR-35			
LCB01		78.20				77.160	300mm DIA.	S30	S30	250	PVC SDR-35			
TCB02		77.87			76.870	76.870	300mm DIA.	S30	S30	250	PVC SDR-35			
TCB03		77.20			76.200	76.200	300mm DIA.	S30	S30	250	PVC SDR-35			
TCB04		76.54			75.540	75.540	300mm DIA.	S30	S30	250	PVC SDR-35			
TCB05		76.49			75.000	75.000	300mm DIA.	S30	S30	250	PVC SDR-35			
LCB06		76.40				75.500	300mm DIA.	S30	S30	250	PVC SDR-35			
TCB07		76.45			75.250	75.250	300mm DIA.	S30	S30	250	PVC SDR-35			



C DEONOTES RUNOFF COEFFICIENT

2023-04-17

2011 QUEENSVIEW DF

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TEL: 613-933-5602 | FAX: 613-936-0335 | ARCHITECTURE49.COM

864 LADY ELLEN PLACE.



ED WITHOUT WRITTEN PERMISSION BY WSP. THE CONTRACTOR SHALL CHECK AND VERIFY AL ENSIONS AND UTILITY LOCATIONS AND REPORT ALL ERRORS AND OMISSIONS PRIOR TO THIS DRAWING IS NOT TO BE SCALED.

2023-04-17 REVISED AS PER CITY COMMENTS 2022-12-16 | ISSUED FOR SPA 221-04646-00 APRIL 2023

F THIS BAR IS NOT 25mn PLOTTING SCALE. CIVIL

NOTES AND DETAILS

EET NUMBER:

REVISED AS PER CITY COMMENTS ATE OF: 2023-04-17

EXISTING FENCE EXISTING WATERMAIN EXISTING STORM SEWER EXISTING SWALE

EXISTING SANITARY SEWER EXISTING OVER HEAD WIRE EXISTING OVER HEAD WIRE EXISTING TOP OF SLOPE EXISTING RETAINING WALL EXISTING BUILDING EXISTING CONCRETE WALKWAY

EXISTING STORM MANHOLE EXISTING CATCH BASIN EXISTING SANITARY MANHOLE EXISTING WATER VALVE EXISTING ELEVATION EXISTING LIGHT STANDARD

EXISTING TREES

EXISTING TREES LINE

EXISTING UTILITY POLE

REMOVAL LEGEND BUILDING REMOVAL CONCRETE SIDEWALK GRAVEL PAVEMENT

REMOVAL

_____ ow _____ W——— EXISTING WATERMAIN REMOVAL _____ST____ \sim

EXISTING STORM SEWER REMOVAL x — EXISTING FENCE REMOVAL EXISTING FENCE REMOVAL EXISTING RETAINING WALL EXISTING UTILITY POLE REMOVAL

EXISTING TREES REMOVAL EXISTING TREES LINE REMOVAL EXISTING CATCH BASIN REMOVAL

Connect Building Water Servic to Existing 150mm Water Serivce

50 mm

			S	AN STRUC	TURE TABLE					
STRUCTURE ID	TOP OF GRATE		11	IVERT		DESCRIPTION				
	ELEVATION	INLET	INLET	INLET	OUTLET	SIZE	OPSD	COVER		
				BUIL	DING 1					
SANMH01	78.02			74.640	74.620	1200mm DIA.	OPSD-701.010	S24		
CUMMINAS	77.67			75.070	75.040	1200mm DIΔ	OPSD-701 010	524		

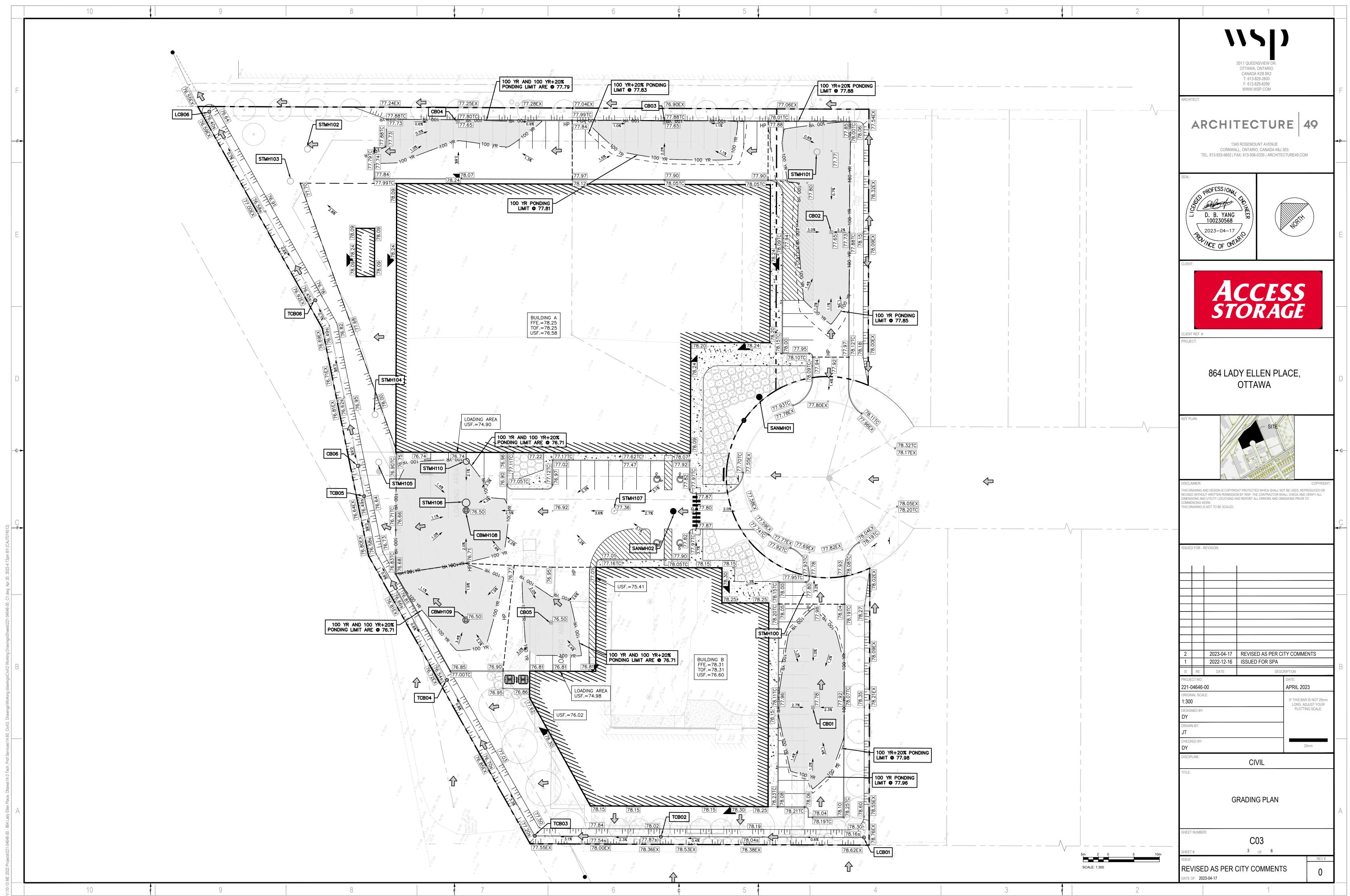
Typical Siltsack® Construction - Type B

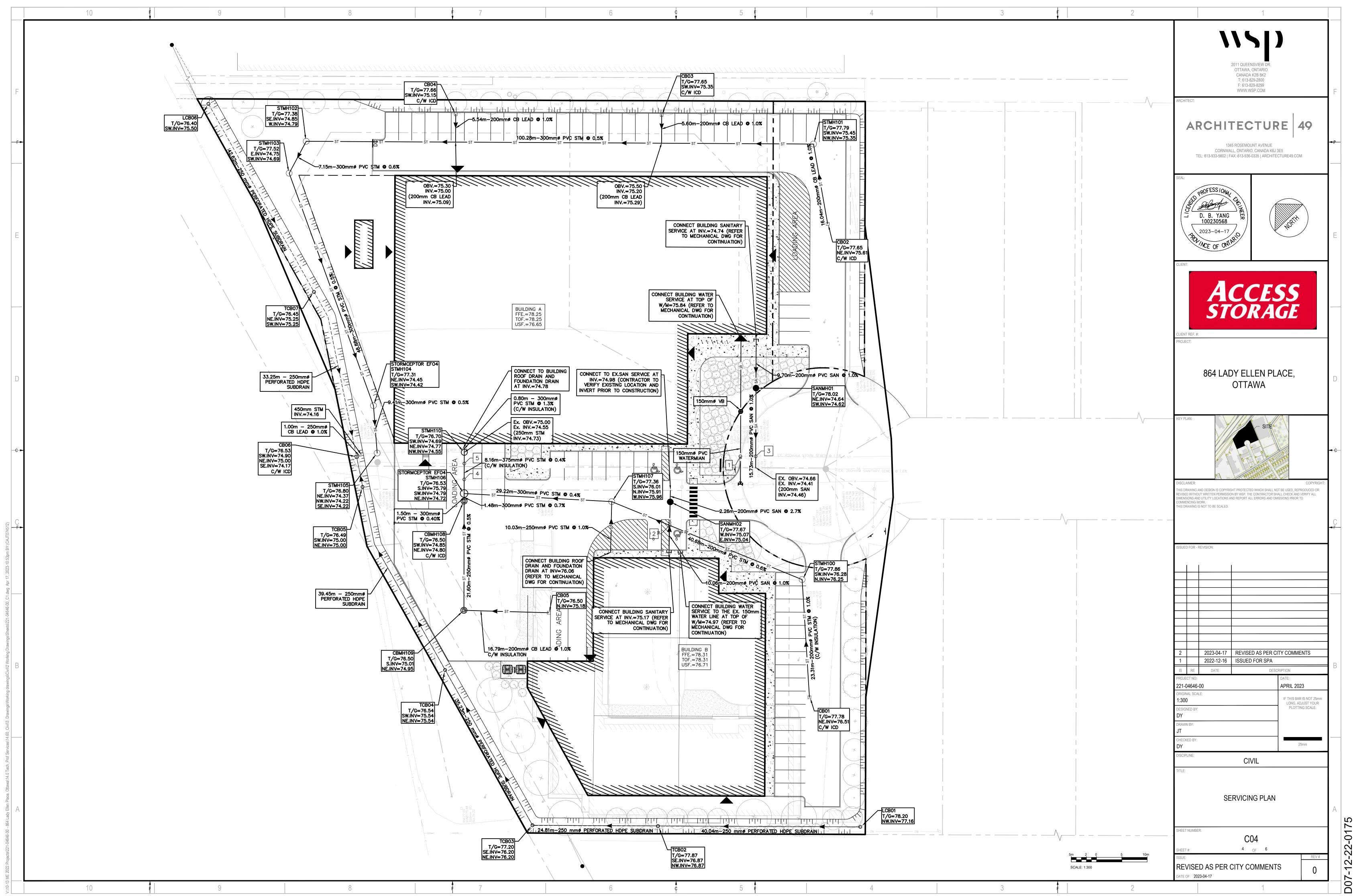
INSERT 1" REBAR FOR BAG REMOVAL (REBAR NOT INCLUDED) -OPTIONAL OVERFLOW -DUMP LOOPS (REBAR NOT INCLUDED)

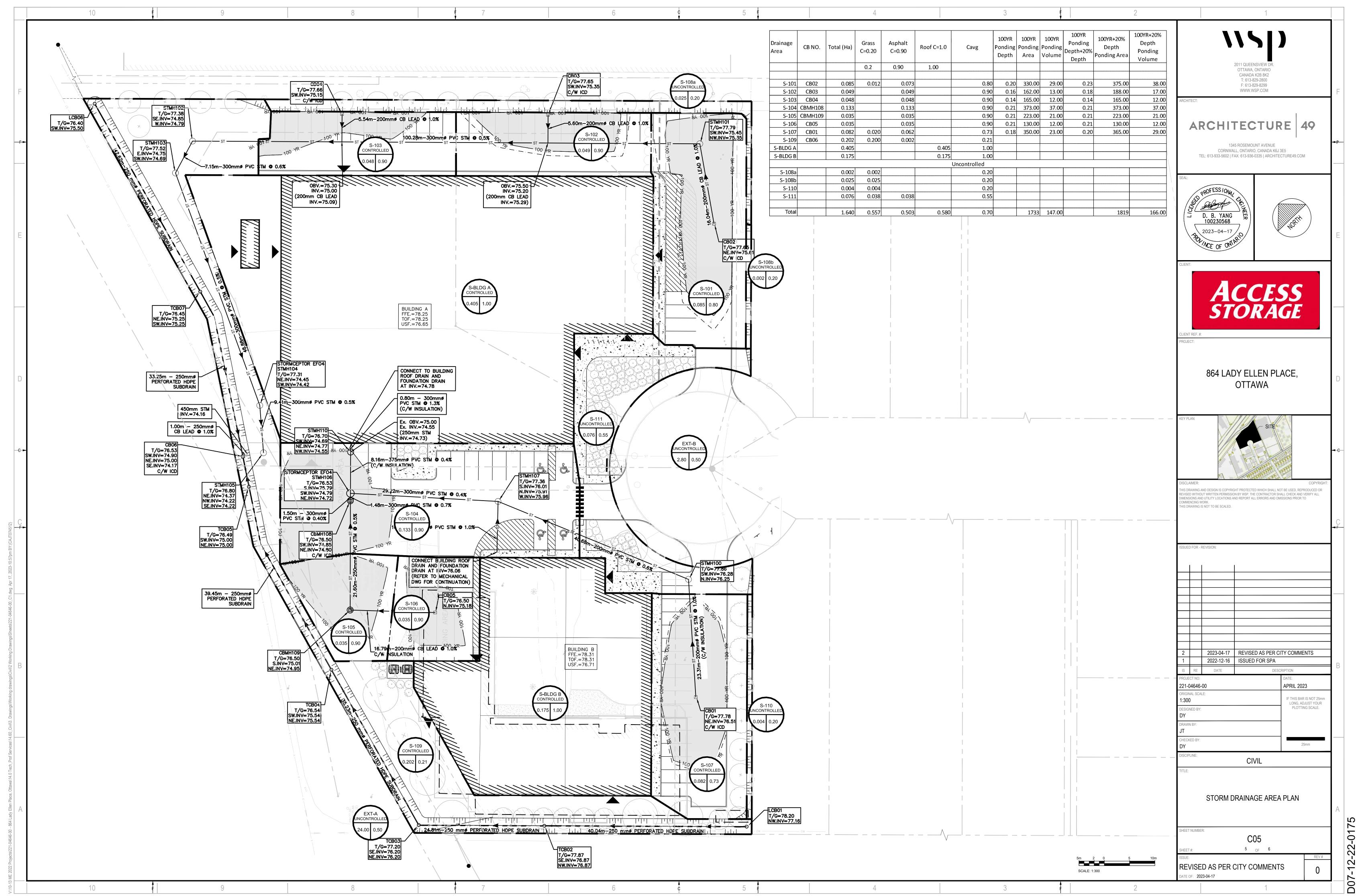
6.0m MIN. 50mm CLEAR LIMESTONE ---ACCESS ROAD AS REQUIRED UP TO EX ROAD PAVEMENT ALL CONSTRUCTION TRAFFIC TO CROSS MUD MAT WHEN EXITING THE SITE PROVIDE GEOTEXTILE FILTER -RIPRAP STONE CLOTH PRIOR TO PLACING SIZE TWO LAYERS THICK)

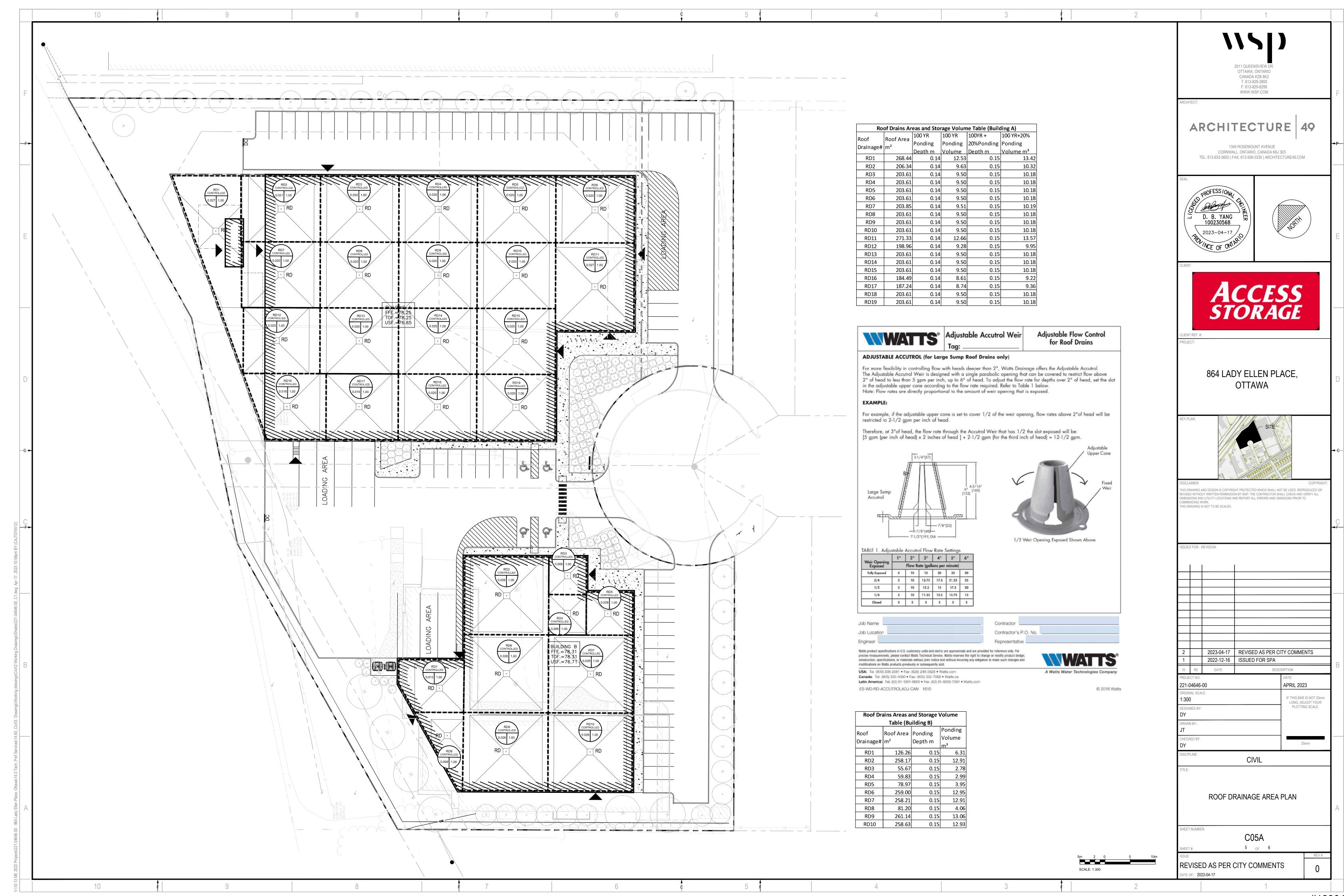
O MAT DETAIL - PLAN VIEW











#18904

