LANDSCAPE DRAWINGS

- 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
- 12. ABUTTING PROPERTY GRADES TO BE MATCHED UNLESS OTHERWISE SHOWN.

REQUIREMENTS FOR BACKFILL AND COMPACTION.

- 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 P.ENG 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:

NECESSARY

APPROVED BY THE FIELD ENGINEER.

- 2.1. MINIMIZE THE EXTENT OF DISTURBED AREAS AND THE DURATION OF EXPOSURE AND IMPACTS TO EXISTING GRADING PERIMETER VEGETATION TO REMAIN IN PLACE UNTIL PERMANENT STORM WATER MANAGEMENT IS IN PLACE. OTHERWISE, IMMEDIATELY INSTALL SILT FENCE WHEN THE EXISTING SITE IS DISTURBED AT THE PERIMETER
- 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
- DRAWING TO BE REVIEWED AND REVISED AS REQUIRED DURING CONSTRUCTION. EROSION CONTROL FENCING TO BE ALSO INSTALLED AROUND THE BASE OF ALL
- 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

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 CROSS UNDER OTHER UTILITIES, A MINIMUM 0.50m CLEARANCE SHALL BE MAINTAINED. WHERE THE MINIMUM SEPARATION CANNOT BE ACHIEVED. THE WATERMAIN SHALL BE INSTALLED AS PER CITY OF OTTAWA STANDARDS W25 AND W25.2. WHERE 2.4m MINIMUM DEPTH CANNOT BE ACHIEVED, THERMAL INSULATION SHALL BE PROVIDED AS PER CITY OF OTTAWA STANDARD W22. WHERE A WATERMAIN IS IN CLOSE PROXIMITY TO AN OPEN STRUCTURE, 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. OTTAWA STANDARD W40 & W42.
- VALVES AND ASSEMBLES SHALL BE INSTALLED AS PER CITY OF OTTAWA STANDARD
- 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
- THE MANUFACTURER. 9. REFER TO LANDSCAPE DRAWINGS FOR IRRIGATION SYSTEM REQUIREMENTS

AMOUNT OF DEFLECTION USED IS LESS THAN HALF THAT RECOMMENDED BY

NOTES: SANITARY SEWER AND MANHOLES

- 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.
- 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.
- 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 7. FIRE HYDRANT LOCATION AND INSTALLATION AS PER CITY OF OTTAWA 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.

50 mm

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	OWAYS 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	ICOVERI					
	DESCRIPTION	GRADE	WATERMAIN	WATERMAIN						
BUILDING 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										

Connect Building Water Servic to Existing 150mm Water Serivce

SAN STRUCTURE TABLE										
STRUCTURE ID	TOP OF GRATE	INVERT				DESCRIPTION				
	ELEVATION	INLET	INLET	INLET	OUTLET	SIZE	OPSD	COVER		
BUILDING 1										
SANMH01	78.02			74.640	74.620	1200mm DIA.	OPSD-701.010	S24		
			The state of the s							

TCB07

EXISTING OVER HEAD WIRE PROPOSED CATCH BASIN EXISTING TOP OF SLOPE PROPOSED CATCH BASIN MANHOLE EXISTING RETAINING WALL PROPOSED WATER VALVE EXISTING BUILDING OVER FLOW DIRECTION — — — — — HIGH POINT LINE EXISTING CONCRETE WALKWAY TERRACING LINE EXISTING STORM MANHOLE EXISTING CATCH BASIN DOOR ENTRANCE EXISTING SANITARY MANHOLE EXISTING WATER VALVE PROPOSED BUILDING EXISTING ELEVATION EXISTING LIGHT STANDARD PROPOSED CONCRETE SIDEWALK EXISTING TREES EXISTING TREES LINE ______ 100 YR ______ 100 YEAR PONDING LINE EXISTING UTILITY POLE — · — · — · — · — · 100 YEAR + 20% PONDING LINE PROPOSED ELEVATION PROPOSED SLOPE REMOVAL LEGEND **ESC LEGEND:** BUILDING REMOVAL CONCRETE SIDEWALK MUD MAT GRAVEL PAVEMENT REMOVAL ASPHALT PAVEMENT STORM DRAINAGE LEGEND: EXISTING OVER HEAD WIRE _____ ow _____ W——— EXISTING WATERMAIN REMOVAL STORM DRAINAGE BOUNDAR EXISTING STORM SEWER _____ST____ REMOVAL x — EXISTING FENCE REMOVAL ID DENOTES WATERSHED NAME EXISTING FENCE REMOVAL \sim A DENOTES AREA IN HECTARES EXISTING RETAINING WALL C DEONOTES RUNOFF COEFFICIENT EXISTING UTILITY POLE REMOVAL EXISTING TREES REMOVAL EXISTING TREES LINE REMOVAL

PROPOSED LEGEND:

PROPOSED PROPERTY LINE

PROPOSED EDGE O

PROPOSED SWALE

PAVEMENT AND CURB

PROPOSED WATERMAIN

PROPOSED STORM SEWER

PROPOSED SANITARY SEWER

PROPOSED STORM MANHOLE

PROPOSED SANITARY MANHOLE

2011 QUEENSVIEW D

OTTAWA, ONTARIO

CANADA K2B 8K2

T: 613-829-2800

F: 613-829-8299

WWW.WSP.COM

1345 ROSEMOUNT AVENUE

CORNWALL, ONTARIO, CANADA K6J 3E5

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864 LADY ELLEN PLACE.

2023-06-16

EXISTING LEGEND:

——— — APPROXIMATE LOT LINE

EXISTING EDGE OF

EXISTING FENCE

EXISTING SWALE

EXISTING WATERMAIN

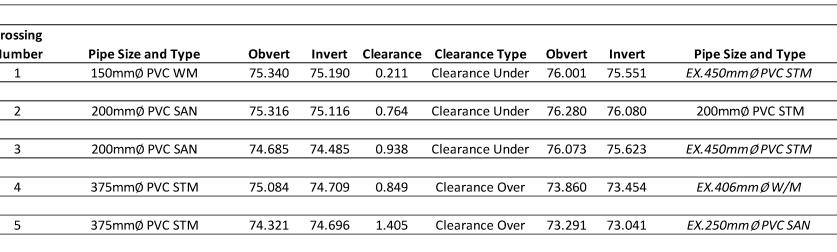
EXISTING STORM SEWER

EXISTING SANITARY SEWER

EXISTING OVER HEAD WIRE

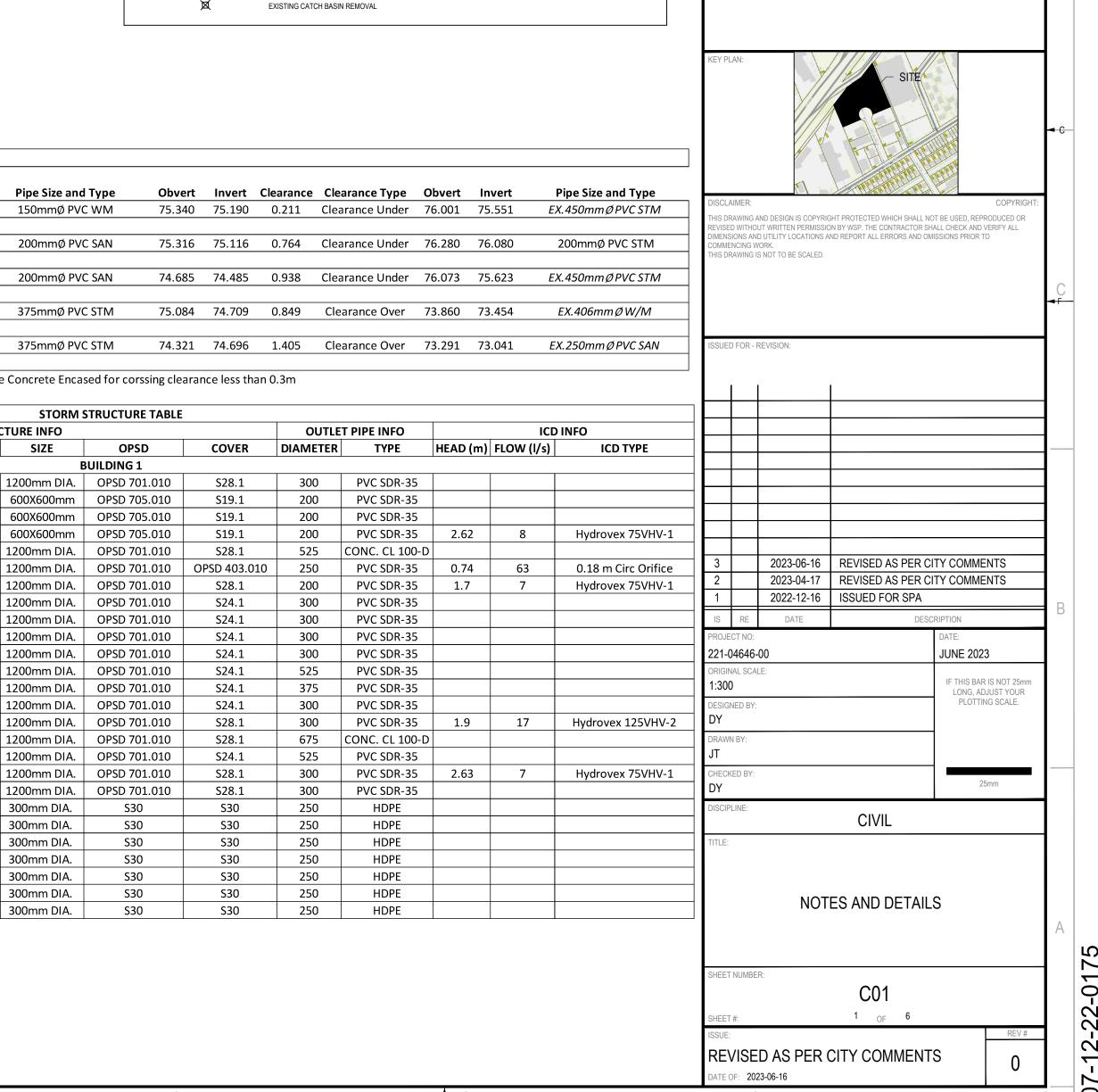
PAVEMENT AND CURB

EXISTING UNDERGROUND HYDRO



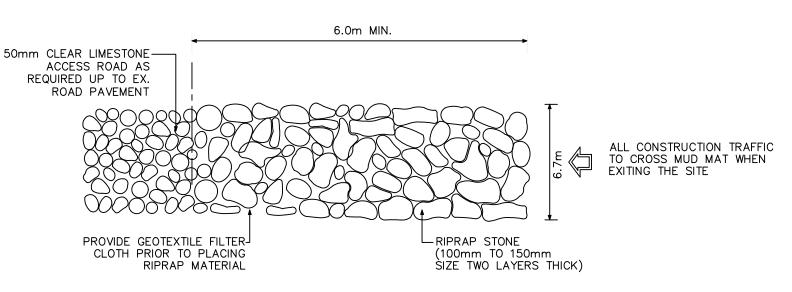
STORM STRUCTURE TABLE **STRUCTURE** TOP OF STRUCTURE INFO OUTLET PIPE INFO ICD INFO ID GRATE | INLET | INLET | INLET | OUTLET ICD TYPE COVER | DIAMETER | TYPE |HEAD (m) | FLOW (l/s) | SIZE **BUILDING 1** CBMH112 77.78 76.360 1200mm DIA. OPSD 701.010 S28.1 300 PVC SDR-35 77.65 CB02 75.630 600X600mm S19.1 200 PVC SDR-35 CB03 77.65 75.360 600X600mm | OPSD 705.010 S19.1 200 PVC SDR-35 77.65 Hydrovex 75VHV-1 CB04 2.62 75.150 600X600mm | OPSD 705.010 S19.1 200 PVC SDR-35 CBMH113 76.50 75.040 S28.1 525 CONC. CL 100-1200mm DIA. OPSD 701.010 CBMH114 76.53 74.520 OPSD 701.010 OPSD 403.010 250 PVC SDR-35 0.74 0.18 m Circ Orifice 75.000 | 74.850 1200mm DIA. CBMH100 77.86 76.280 76.250 1200mm DIA. OPSD 701.010 S28.1 200 PVC SDR-35 Hydrovex 75VHV-1 STMH101 78.09 75.350 1200mm DIA. OPSD 701.010 S24.1 300 PVC SDR-35 77.38 STMH102 S24.1 PVC SDR-35 74.850 74.790 1200mm DIA. OPSD 701.010 300 STMH103 77.52 300 PVC SDR-35 74.750 1200mm DIA. | OPSD 701.010 S24.1 74.690 STMH104 77.31 74.450 74.420 L200mm 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 74.790 74.720 1200mm DIA. OPSD 701.010 S24.1 375 PVC SDR-35 STMH107 77.36 75.960 75.910 L200mm DIA. OPSD 701.010 S24.1 300 PVC SDR-35 CBMH108 76.50 74.800 S28.1 300 | PVC SDR-35 Hydrovex 125VHV-2 74.820 1200mm DIA. | OPSD 701.010 1.9 17 OPSD 701.010 CBMH109 76.50 S28.1 675 CONC. CL 100-E 75.000 74.850 1200mm DIA. STMH110 76.70 S24.1 74.690 74.550 L200mm DIA. 525 PVC SDR-35 77.77 CBMH111 75.300 | 75.220 75.200 1200mm DIA. OPSD 701.010 S28.1 300 PVC SDR-35 2.63 Hydrovex 75VHV-1 CBMH115 74.75 OPSD 701.010 S28.1 300 PVC SDR-35 74.470 74.410 1200mm DIA. LCB01 78.20 HDPE 77.160 300mm DIA S30 S30 250 TCB02 77.87 76.870 76.870 300mm DIA. S30 S30 250 HDPE TCB03 77.20 250 76.200 76.200 300mm DIA. S30 S30 **HDPE** TCB04 76.54 75.540 75.540 300mm DIA S30 S30 250 HDPE TCB05 76.49 75.000 S30 250 HDPE 75.000 300mm DIA S30 LCB06 76.40 75.500 S30 S30 250 HDPE | 300mm DIA

75.070 75.040 1200mm DIA. OPSD-701.010 S24 *Note: Provide Concrete Encased for corssing clearance less than 0.3m 2023-06-16 REVISED AS PER CITY COMMENTS 2023-04-17 REVISED AS PER CITY COMMENTS 2022-12-16 | ISSUED FOR SPA 221-04646-00 JUNE 2023 F THIS BAR IS NOT 25mi PLOTTING SCALE. CIVIL NOTES AND DETAILS 76.45 75.250 75.250 300mm DIA S30 250 **HDPE** ET NUMBER:

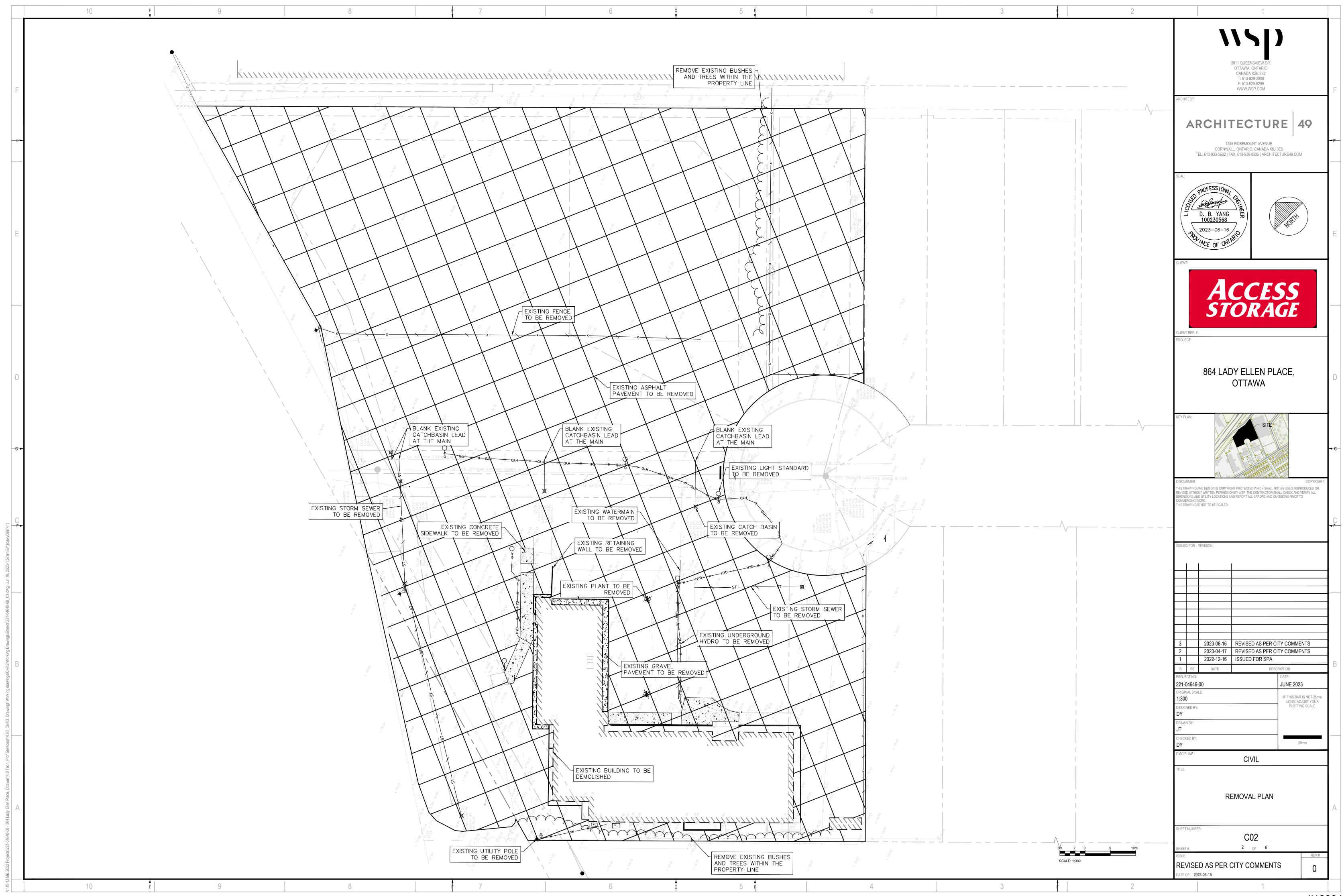


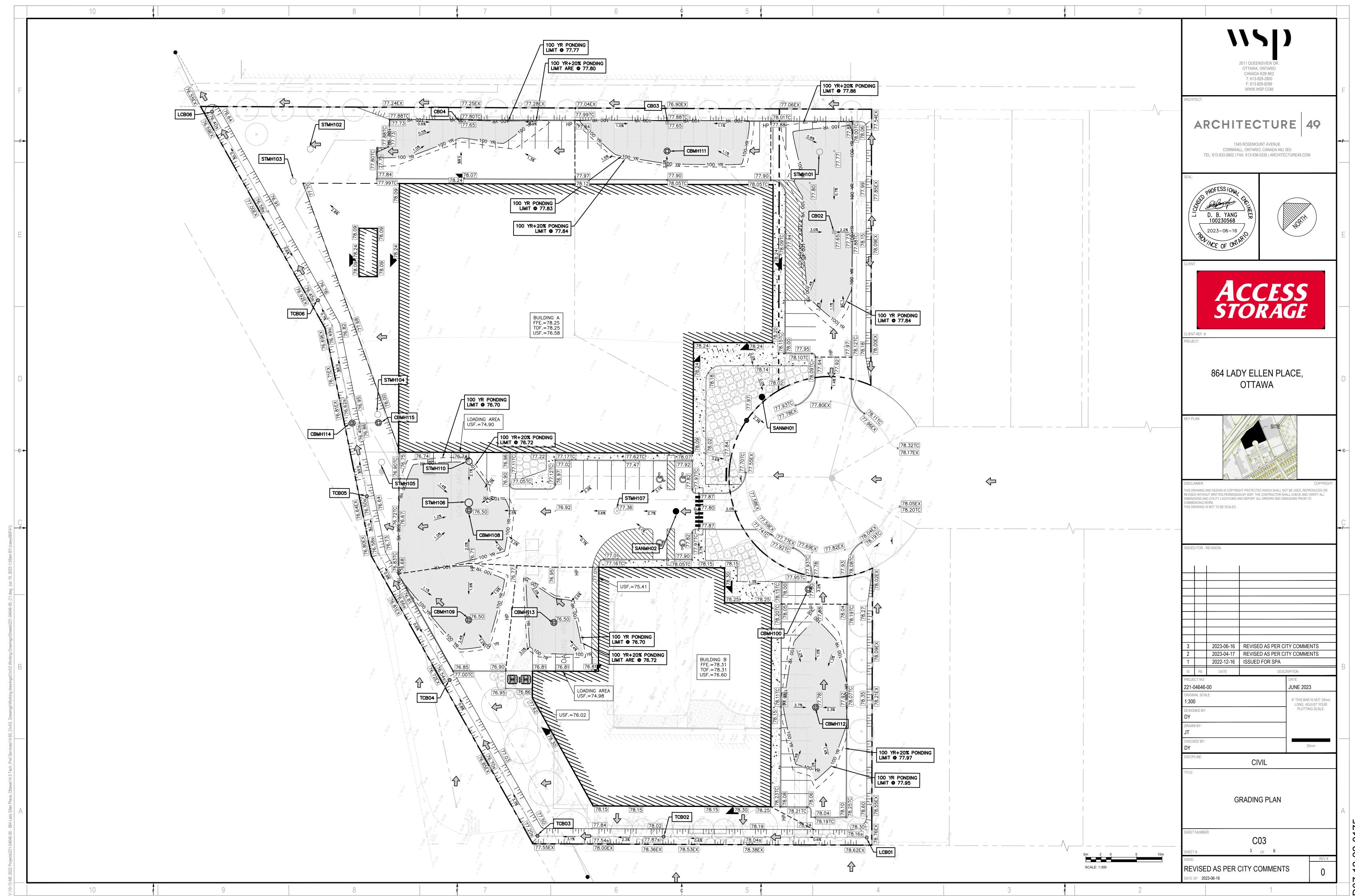
INSERT 1" REBAR FOR BAG REMOVAL FROM INLET (REBAR NOT INCLUDED) -OPTIONAL OVERFLOW DUMP LOOPS (REBAR NOT INCLUDED)

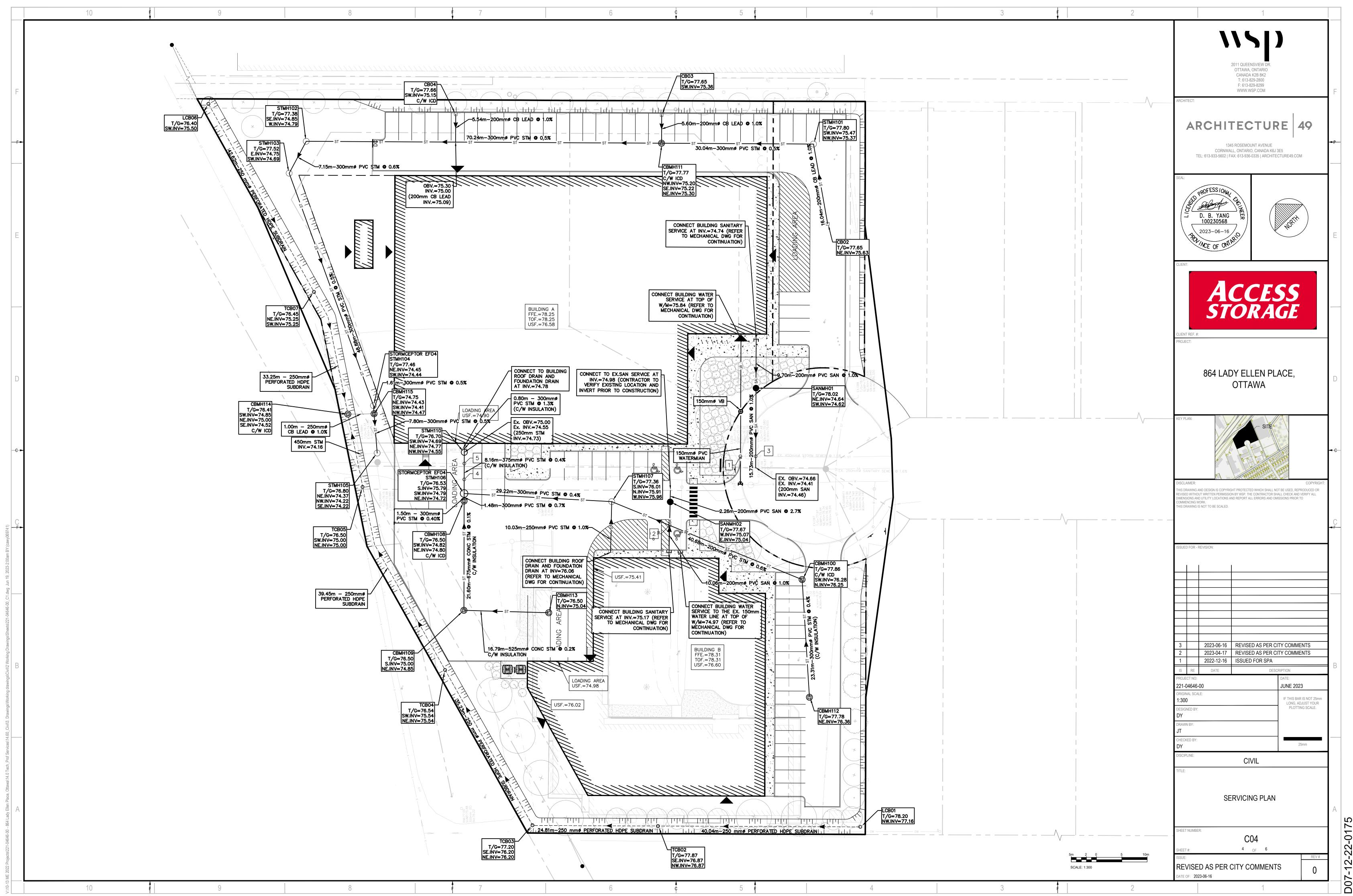
Typical Siltsack® Construction - Type B

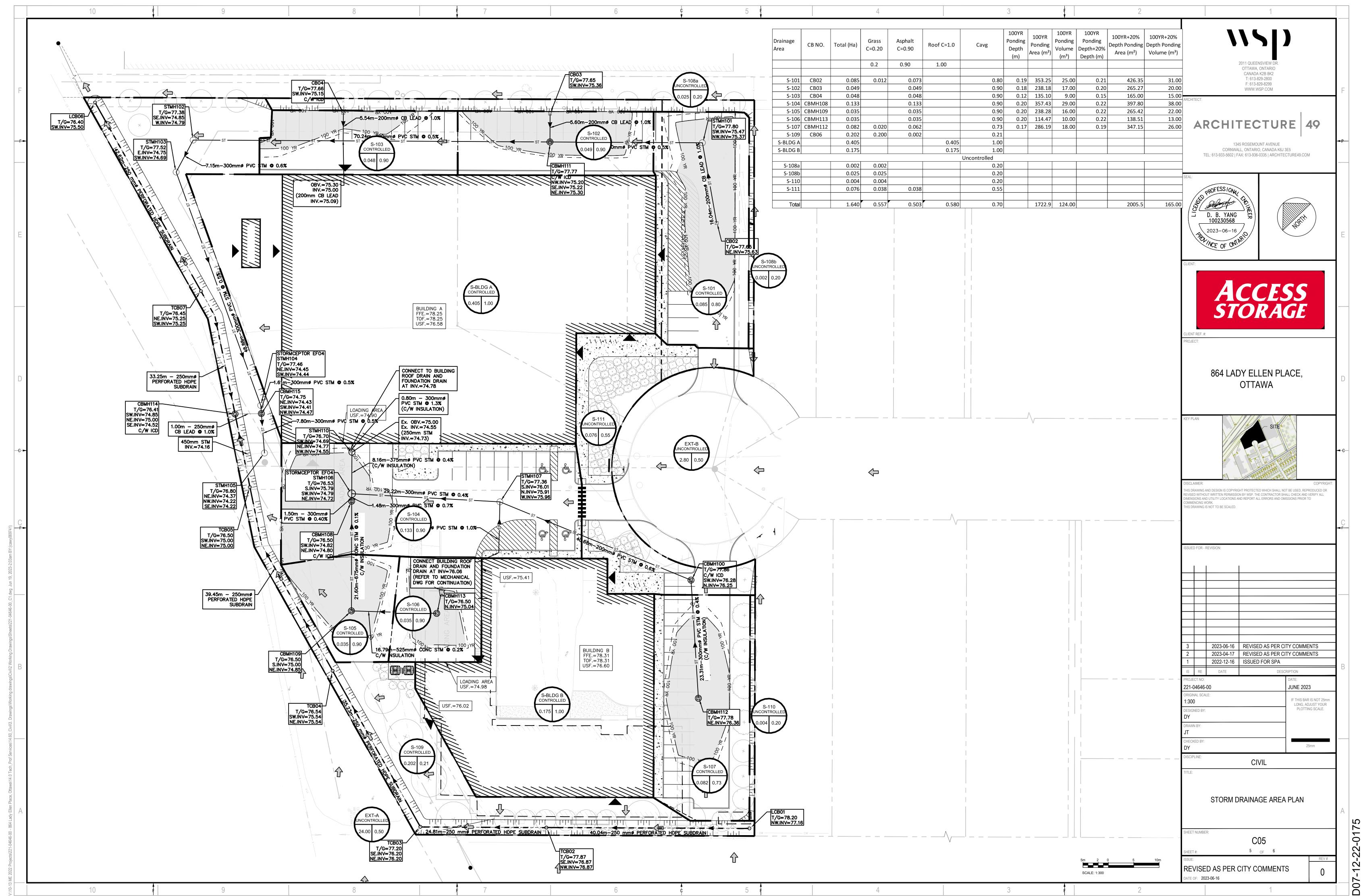


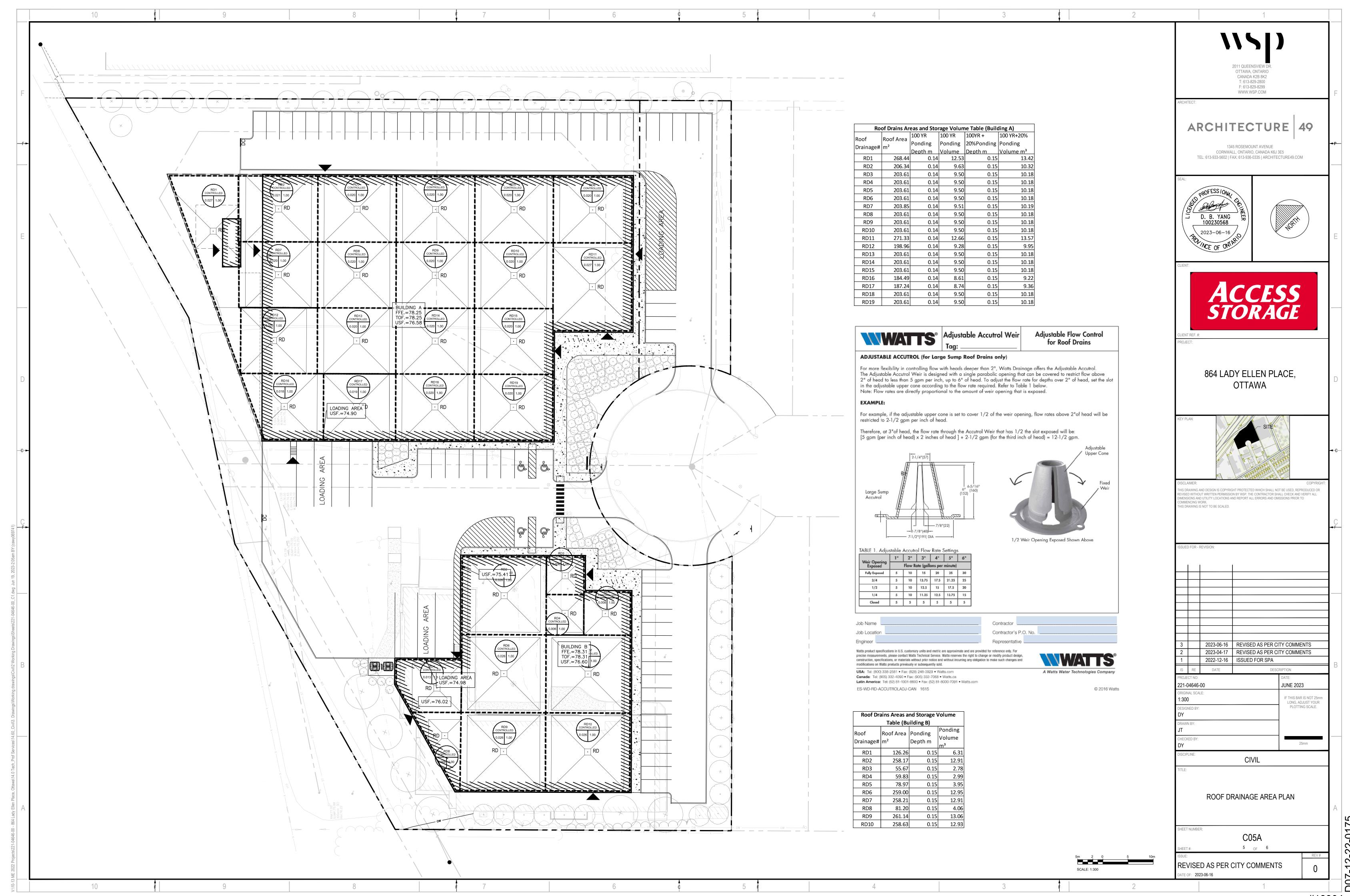
MUD MAT DETAIL - PLAN VIEW











#18904

