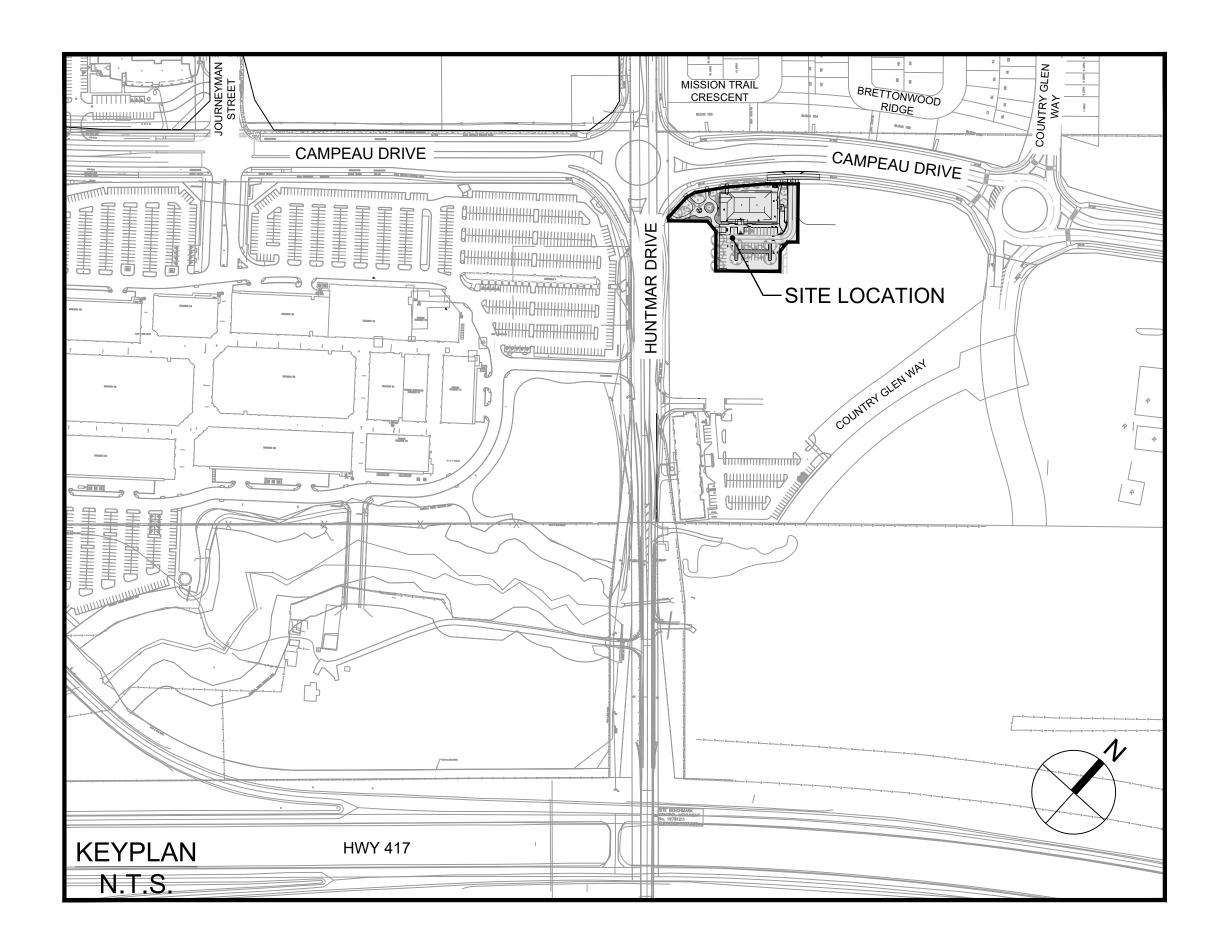
MINTO DESIGN CENTRE 370 HUNTMAR DRIVE



333 Preston Street - Suite 500 Ottawa ON K1S 5N4 Canada tel 613 225 1311 www.arcadis.com



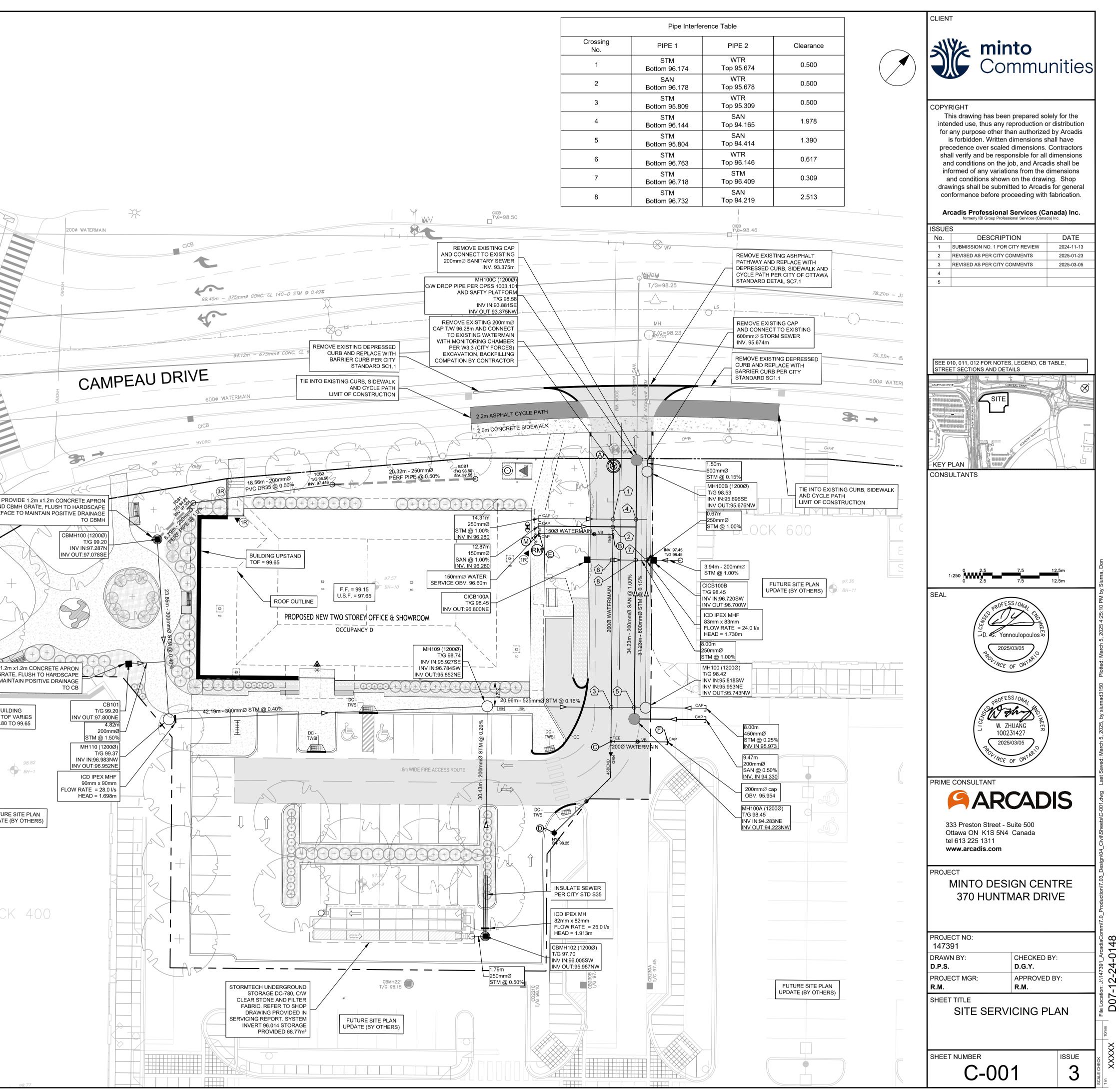
Weight Minto Communities

CONTRACT NO. 147391

Drawing List Table						
Drawing Number	Drawing Number Drawing Title					
C-000	COVER					
C-001	SITE SERVICING PLAN					
C-010	NOTES & LEGEND					
C-200	SITE GRADING PLAN					
C-400	SANITARY DRAINAGE AREA PLAN					
C-500	STORM DRAINAGE AREA PLAN					
C-501	DESIGN CENTRE STORM DRAINAGE AREA PLAN					
C-600	SITE PONDING PLAN					
C-900	SEDIMENT - EROSION PLAN					

REVISED AS PER CITY COMMENTS - 2025-03-05 CITY FILE No. D07-12-24-0148 CITY PLAN No.####

0	WATERMAIN	Finished	Top of	Watermain	As Built
Station 0+000.00	Description MONITORING CHAMBER	Grade 98.597	Watermain 96.197	Cover 2.400	Watermain
0+006.00 0+007.00	- -	98.566 98.560	96.166 95.674	2.400 2.886	
0+008.00 0+009.04	- 200x150 TEE WATER SERVICE	98.555 98.550 98.630	95.678 96.150 96.230	2.877 2.400 2.400	
0+020.00 0+030.50 0+032.000	- - -	98.630 98.511 98.522	96.230 95.309 96.122	2.400 3.202 2.400	
0+032.000 0+036.44 0+038.05	- 200x200 TEE 200x150 REDUCER	98.522 98.416 98.369	96.122 96.016 95.969	2.400 2.400 2.400	
0+038.05 0+041.23 0+045.70	45 BEND HY DRANT VALVE	98.369 98.282 98.101	95.882 95.701	2.400 2.400 2.400	
0+051.68	HYDRANT	98.170	95.770	2.400	
0+000.00 0+002.46	200x150mm TEE WATER SERVICE 150 VB	98.550 98.484	96.150 96.084	2.400 2.400	
0+009.81	150 CAP	99.000	96.600	2.400	
0+000.00 0+003.50 0+007.50	200x200 TEE 50mm WATER SERVICE 200 CAP	98.416 98.365 98.354	96.016 95.965 95.954	2.400 2.400 2.400	
			300mmø SAN	375mmø SAN	
					HUNTMAR DRIVE



<u>GENERAL LE</u>	GEND	EXISTI	
	LIMIT OF CONSTRUCTION	Inv.	<u>_INVE</u> RT
	PHASING LINE	T/G	<u>TOP</u> OF
	BARRIER CURB	U/Eave	UNDERS
	MOUNTABLE CURB	TpFdn	TOP OF
	DEPRESSED BARRIER CURB	C/L	CENTRE
CONCRETE SIDEWALK	CONCRETE SIDEWALK	65.00	LOCATIO
	- TACTILE WALKING SURFACE INDICATOR	65.00	TOP OF
ASPHALT SIDEWALK	ASPHALT SIDEWALK / PATHWAY	City	PLAN 69
	RETAINING WALL	OUP	UTILITY
BUS	BUS STOP CONCRETE / ASPHALT	O AN	ANCHO
BUS	BUS STOP CONCRETE / ASPHALT	O LS	LIGHT S
	HEAVY DUTY ASPHALT	СВ	CATCH
		o SP	WATER
	ASPHALT	GM	GAS ME
		0 B	BOLLAR
	HEAVY DUTY CONCRETE	riangle S	SIGN
		O AC	AIR CON
	CONCRETE	BF	BOARD
		MF	METAL F
SERVICING L		CRW	CONCR
<u>SERVICING L</u>	EGEND	TRW	TIMBER
O MH118A	SANITARY MANHOLE	•	DECIDU
200mmØ SAN	SANITARY SEWER	⊗ (⊗) -⇔-	WATER
^{МН109} О МН118	STORM MANHOLE	S 🖸	SEWER
825mmØ STM	STORM SEWER - LESS THAN 900Ø		CATCH
900mmØ STM	STORM SEWER - 900Ø AND GREATER	φ χ χ φ	POLE, P
200Ø WATERMAIN	WATERMAIN	₽/\$	POWER TRANSF
CB100 T/G 104.10	STREET CATCHBASIN C/W TOP OF GRATE		AMP, HA
CICB101 G/G 104.25	CURB INLET CATCHBASIN C/W GUTTER GRADE	BUS BUS BUS	OC TRA
DCB100 T/G 104.10	DOUBLE CATCHBASIN C/W TOP OF GRATE	B03 B05 B05	ENERGI
DCICB101 G/G 104.25	DOUBLE CURB INLET CATCHBASIN C/W GUTTER GRADE	TGS Z	STREET
■ DI101 T/G 103.59	DITCH INLET MANHOLE C/W TOP OF GRATE	TCB TDB SDB	TRAFFIC DISCON
CBMH101 T/G 103.59	CATCHBASIN MANHOLE C/W TOP OF GRATE		
RYCB T/G 104.35	REAR YARD CATCHBASIN IN ROAD CONNECTING STRUCTURE C/W SOLID GRATE	LANDS	CAPE
- O T/G 104.35 TNV 103.35	REAR YARD "TEE" CATCHBASIN (300Ø) C/W TOP OF GRATE AND INVERT OUT		
OT/G 104.50 INV 103.50	REAR YARD "END" CATCHBASIN (300Ø) C/W TOP OF GRATE AND INVERT OUT	() + }	PROPOS
6 T/G 104.35 INV 103.35	REAR YARD "CUSTOM ANGLED " CATCHBASIN (450Ø) C/W TOP OF GRATE AND INVERT OUT	2 m	
T/G 104.35 NV 103.35	REAR YARD "THREE WAY" CATCHBASIN (450Ø) C/W TOP OF GRATE AND INVERT OUT		PROPOS
300mmØ CSP	PERFORATED REAR YARD SUBDRAIN		
	CSP CULVERT C/W DIAMETER	(++) (+++) (+++)	PROPOS
⊗ ^{V&VB}	VALVE AND VALVE BOX		FROFUC
⊗ ^{V&VC}	VALVE AND VALVE CHAMBER		
-+	PARK VALVE CHAMBER C/W SERVICE POST		PROPOS
	FIRE HYDRANT C/W BOTTOM OF FLANGE ELEVATION		
200Ø WM RED 150Ø WM	WATERMAIN REDUCER		PROPOS
2 VBENDS	VERTICAL BEND LOCATION		
>	SIAMESE CONNECTION (IF REQUIRED)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PROPOS
M	METER (IF REQUIRED)		PROPOS
RM	REMOTE METER (IF REQUIRED)		BACKED
A	WATERMAIN IDENTIFICATION (IF REQUIRED)		DETERR "MAGLIN
	PIPE CROSSING IDENTIFICATION (IF REQUIRED)	[]	"WWW.I
\triangleleft	SINGLE SERVICE LOCATION	[+++++]	PROPOS
	DOUBLE SERVICE LOCATION		
BH 12 102.00	INFERRED REFUSAL (SEE GEOTECHNICAL REPORT)		
HGL	100 YEAR STORM HYDRAULIC GRADELINE AT MANHOLE		

Ð

101.79

101.79

PRESSURE REDUCING VALVE

100 YEAR STORM HYDRAULIC GRADE LINE AT MANHOLE

UNDERSIDE OF FOOTING ELEVATION

CLAY SEAL IN SEWER / WATERMAIN TRENCH

EGEND

OF GRATE

RSIDE OF EAVE

OF FOUNDATION

RELINE TION OF ELEVATIONS

OF CONCRETE CURB ELEVATION 6943P&P02

TY POLE IOR

STANDARD

H BASIN ER STAND POST

METER

ARD

ONDITIONER

D FENCE L FENCE

RETE RETAINING WALL ER RETAINING WALL

DUOUS TREE ER VALVE, VALVE CHAMBER, FIRE HYDRANT

R MANHOLE, CATCH BASIN MANHOLE H BASIN / DRAINAGE, WING WALL, HEAD WALL

, POLE W/ LIGHT, DECORATIVE, LAWN LIGHT ER SUPPLY, PANEL, PEDESTAL,

SFORMER, TOWER, REGULATOR

HAND HOLE, VAULT, GAS VALVE RANSPO: BUS SHELTER-NO POWER,

GIZED. ISOLATED ETSCAPE: PLANTER BOX, GRATE SQUARE, ENG. SOIL

FIC CONNECT BOX / DISCONNECT BOX, SL

E LEGEND

OSED DECIDUOUS TREE

OSED CONIFEROUS TREE

OSED SHRUBS AND GRASSES

OSED WOOD CHIP MULCH

OSED CONCRETE WALKWAY

OSED PEASTONE

OSED MAGLIN 300 SERIES L-SERIES ED BENCH WITH IPE WOOD, END CENTRE ARMS AND SKATEBOARD

RRENTS AS AVAILABLE FROM LIN SITE FURNITURE" AT

OSED 5 RING BIKE RACK

W.MAGLIN.COM"

NOTES :

APPLY.

2. THE POSITION OF UNDERGROUND AND ABOVE GROUND SERVICE, UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH SERVICE, UTILITIES AND STRUCTURES IS NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING SERVICES AND UTILITIES PRIOR TO CONSTRUCTION.

ENGINEER.

WHETHER OR NOT SHOW ON THESE DRAWINGS. 5. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL LANDS BEYOND THE SITE LIMITS. ANY AREAS BEYOND THE SITE LIMITS, WHICH ARE DISTURBED DURING CONSTRUCTION, SHALL BE REPAIRED AND RESTORED TO ORIGINAL CONDITION OR BETTER, TO THE SATISFACTION OF THE ADJACENT LAND OWNER. THE OWNER, THE OWNERS REPRESENTATIVES AND/OR THE AUTHORITY HAVING JURISDICTION AT THE EXPENSE OF THE CONTRACTOR.

7. SHOULD ANY BURIED ARCHAEOLOGICAL REMAINS BE FOUND ON THE PROPERTY DURING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL NOTIFY THE OWNER TO CONTACT THE HERITAGE OPERATIONS UNIT OF THE ONTARIO MINISTRY OF CULTURE MUST BE NOTIFIED IMMEDIATE, AND WORK WITHIN THE AREA SHALL BE CEASED UNTIL FURTHER NOTICE.

50mm 150mm

50mm

13. ROADWAY SECTIONS REQUIRING GRADE RAISE TO PROPOSED SUB GRADE LEVEL TO BE FILLED WITH ACCEPTABLE NATIVE EARTH BORROW OR IMPORTED OPSS SELECTED SUBGRADE MATERIAL IF NATIVE MATERIAL IS DEFICIENT AS PER RECOMMENDATION OF GEOTECHNICAL ENGINEER.

807 030 OR HIGHER

FOR SHALLOW SEWERS, REFER TO CITY STANDARD S35.

ENGINEER.

25. ALL STUBBED SEWERS SHALL HAVE PRE-MANUFACTURED CAPS INSTALLED.

MAIN SHALL BE 200mmØ PVC DR35 @ MIN 1% SLOPE UNLESS NOTED OTHERWISE.

30. INLET CONTROL DEVICES SHALL BE INSTALLED PRIOR TO COMPLETING THE ROAD BASE (GRANULAR A). 31. ALL SEWER SERVICE LATERALS WITH MAINLINE CONNECTIONS DEEPER THAN 5.0m REQUIRE A CONTROLLED SETTLEMENT JOINT.

32. EACH BUILDING SHALL BE EQUIPPED WITH A SANITARY AND STORM SEWER BACKWATER VALVE AND CLEAN-OUT ON ITS PRIMARY SERVICE, AS PER ONTARIO BUILDING CODE REQUIREMENTS (BY OTHERS). 33. THE HGL PROVIDED IS BASED ON HYDRAULIC MODELING COMPLETED USING ______ AND THE 100 YEAR CHICAGO STORM EVENT (C3H10010).

ENGINEER.

1. ALL MATERIALS AND CONSTRUCTION IS TO BE IN ACCORDANCE WITH THE CURRENT CITY OF OTTAWA STANDARD DRAWINGS & SPECIFICATIONS OR OPSD/OPSS IF CITY DRAWINGS AND SPECIFICATIONS DO NOT

3. THE CONTRACTOR SHALL REPORT ALL CONFLICTS, DISCOVERIES OF ERROR AND DISCREPANCIES TO THE

4. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT AND ASSUME RESPONSIBILITY FOR ALL UTILITIES

6. WHERE NECESSARY, THE CONTRACTOR SHALL IMPLEMENT A TRAFFIC MANAGEMENT PLAN TO THE SATISFACTION OF THE CITY OF OTTAWA. ALL CONSTRUCTION SIGNAGE MUST CONFORM TO THE LATEST VERSION OF THE M.T.O. MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. ALL TEMPORARY TRAFFIC CONTROL MEASURES MUST BE REMOVED UPON THE COMPLETION OF THE WORKS.

8. FOR GEOTECHNICAL INFORMATION REFER TO GEOTECHNICAL REPORT GEOTECHNICAL INVESTIGATION PROPPSED COMMERCIAL DEVELOPMENT 370 HUNTMAR DRIVE, OTTAWA ONTARIO, PG3045-1R, JUNE 26, 2014 PREPARED BY PATERSON GROUP INC.

 HEAVY TRUCK PARKING AREAS AND ACCESS LANES: (690mm)

 40mm
 - WEAR COURSE - SUPERPAVE 12.5 ASPHALTIC CONCRETE
 - BINDER COURSE - SUPERPAVE 19.0 ASPHALTIC CONCRETE - BASE - OPSS GRANULAR "A" CRUSHED STONE 450mm - SUBBASE - OPSS GRANULAR "B" TYPE II

SUBGRADE - EITHER IN SITU SOIL, FILL OR OPSS GRANULAR B TYPE I OR II MATERIAL PLACED OVER IN SITU SOIL

CAR ONLY PARKING AREA : (600mm - WEAR COURSE - SUPERPAVE 12.5 ASPHALTIC CONCRETE 150mm - BASE - OPSS GRANULAR "A" CRUSHED STONE 400mm - SUBBASE - OPSS GRANULAR "B" TYPE II

SUBGRADE - EITHER IN SITU SOIL, FILL OR OPSS GRANULAR B TYPE I OR II MATERIAL PLACED OVER IN SITU SOIL

9. FOR GEODETIC BENCHMARK AND GEOMETRIC LAYOUT OF STREET AND LOTS, REFER TO TOPOGRAPHICAL SURVEY AND PLAN OF SUBDIVISION PREPARED BY STANTEC GEOMATICS LTD. BENCHMARK BASED ON CAN--NET VIRTUAL REFERENCE SYSTEM NETWORK.

10. FOR SITE PLAN INFORMATION, REFER TO SITE PLAN PREPARED BY DCA A GROUP OF ARCHITECTS, 201-1339 WELLINGTON ST. W, OTTAWA ONTARIO.

11. FOR NOISE ATTENUATION PLAN REFER TO _____ PREPARED BY _____ 12. THESE DRAWINGS ARE NOT TO BE SCALED OR USED FOR LAYOUT PURPOSES

14. IN AREAS WHERE EXISTING GROUND IS BELOW THE PROPOSED ELEVATION OF SEWER AND WATERMAINS, GRADE RAISING AND FILLING IS TO BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT. AS PER CITY GUIDELINES ALL WATERMAINS IN FILL AREAS ARE TO BE TIED WITH RESTRAINING JOINTS AND THRUST BLOCKS.

15. REFER TO DRAWING FOR ROADWAY CROSS SECTIONS (IF APPLICABLE).

16. THE CONTRACTOR SHALL IMPLEMENT THE EROSION AND SEDIMENT CONTROL PLAN PRIOR TO THE COMMENCEMENT OF ANY SITE CONSTRUCTION. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED TO THE SATISFACTION OF THE ENGINEER, OR ANY REGULATORY AGENCY. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL VEGETATION IS ESTABLISHED OR UNTIL THE START OF A SUBSEQUENT PHASE.

17. CONTRACTORS SHALL BE RESPONSIBLE FOR KEEPING CLEAN ALL ROADS WHICH BECOME COVERED IN DUST, DEBRIS AND/OR MUD AS A RESULT OF ITS CONSTRUCTION OPERATIONS

18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL BEDDING OR ADDITIONAL STRENGTH PIPE SHOULD THE MAXIMUM OPSD TRENCH WIDTH BE EXCEEDED.

19. ALL PIPE, CULVERTS, STRUCTURES REFER TO NOMINAL INSIDE DIMENSIONS.

20. SHOULD CLAY SEALS BE REQUIRED, THEY SHALL BE INSTALLED AS PER THE RECOMMENDATIONS WITHIN THE GEOTECHNICAL REPORT.

21. UNLESS SPECIFICALLY NOTED OTHERWISE, PIPE MATERIALS SHALL BE AS FOLLOWS:

-WATERMAINS TO BE PVC DR18 -SANITARY SEWER TO BE PVC DR35

-PERFORATED STORM SEWERS IN REAR YARDS AND LANDSCAPE AREAS TO BE HDPE -STORM SEWERS 375mm DIAMETER AND LESS TO BE PVC DR35 -STORM SEWERS 450mm DIAMETER AND GREATER TO BE CONCRETE, CLASS AS PER OPSD 807.010 OR

22. ALL CONNECTIONS TO EXISTING WATERMAINS ARE TO BE COMPLETED BY CITY FORCES. CONTRACTOR IS TO EXCAVATE, BACKFILL, COMPACT AND REINSTATE.

23. ANY WATERMAIN WITH LESS THAN 2.4m AND ANY SEWER WITH LESS THAN 2.0m DEPTH OF COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD W22 OR AS APPROVED BY THE

24. ALL FIRE HYDRANTS AS PER CITY STANDARD W19, c/w 150mmØ LEAD UNLESS OTHERWISE SPECIFIED.

26. ALL CATCHBASINS SHALL HAVE A 600mm SUMP. ALL CATCHBASIN MANHOLES, AND ALL STORM MANHOLES WITH OUTLETTING PIPE SIZES LESS THAN 900mm, SHALL HAVE A 300mm SUMP.

27. ALL SANITARY MANHOLES IN PONDING AREAS SHALL BE EQUIPPED WITH A WATERTIGHT COVER. 28. ALL LEADS FOR STREET CATCHBASIN'S AND CURB INLET CATCHBASIN'S CONNECTED TO MAIN SHALL BE 200mmø PVC DR35 @ MIN 2% SLOPE UNLESS NOTED OTHERWISE. ALL LEADS FOR RYCB'S CONNECTED TO

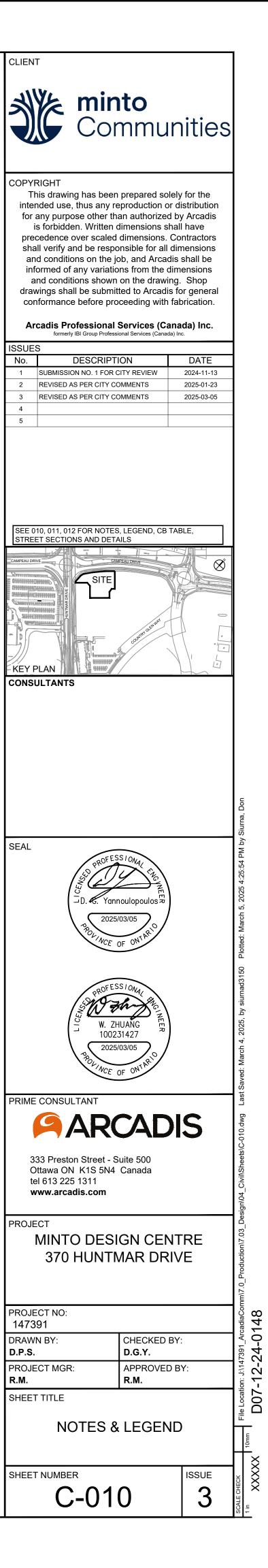
29. UNLESS SPECIFICALLY NOTED OTHERWISE, ALL STREET CATCHBASINS SHALL BE INSTALLED WITH TWO -3.0m MINIMUM SUBDRAINS INSTALLED LONGITUDINALLY, PARALLEL WITH THE CURB. ALL CATCHBASINS IN ASPHALT AREAS, NOT ADJACENT TO A CURB, SHALL BE INSTALLED WITH FOUR - 3.0m MINIMUM SUBDRAINS INSTALLED ORTHOGONALLY.

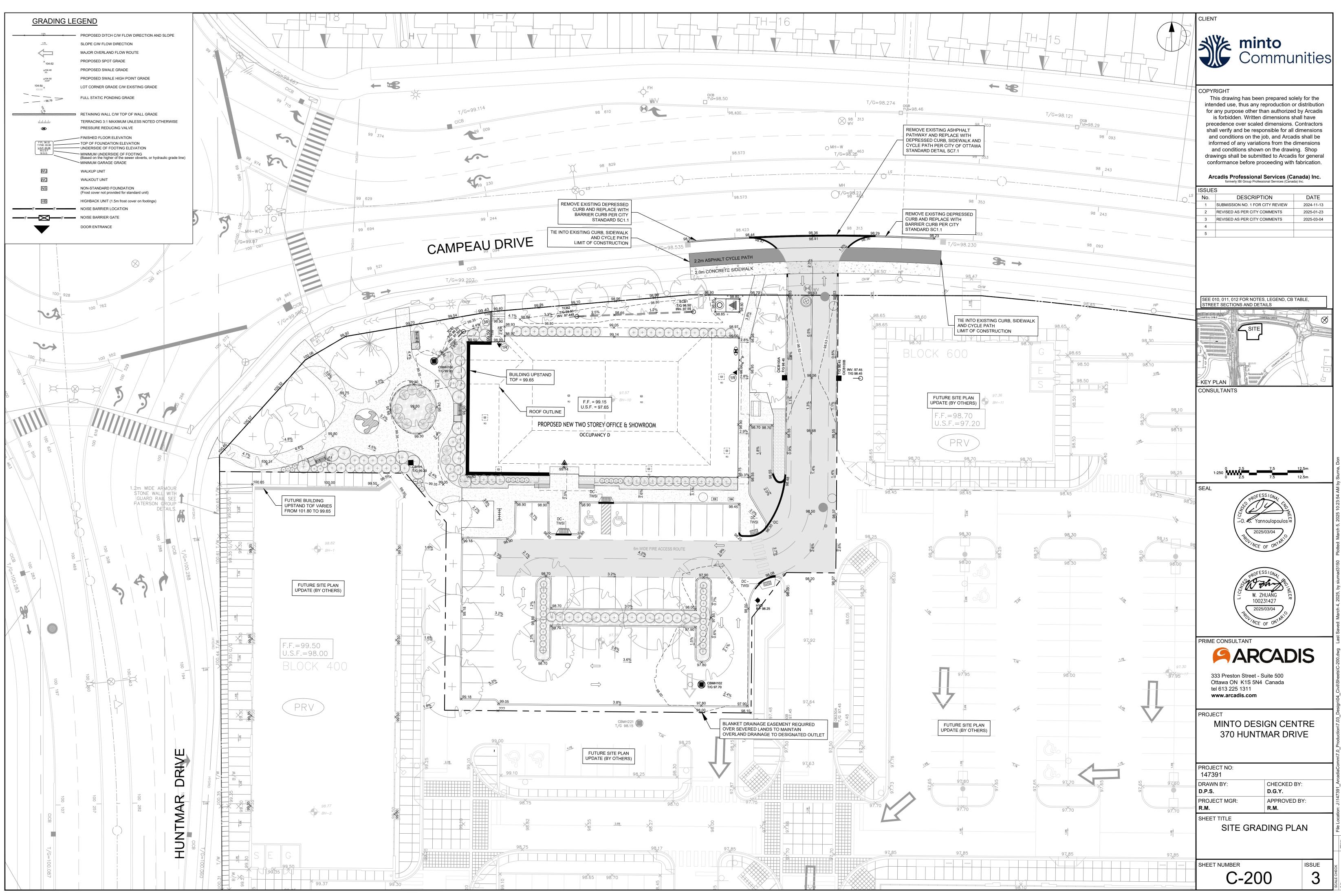
34. THE SUBGRADE OF ALL STRUCTURES, PIPE, ROADS, SIDEWALKS, WALKWAYS, AND BUILDINGS SHALL BE INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.

35. TOP COURSE ASPHALT SHALL NOT BE PLACED UNTIL THE FINAL CCTV INSPECTION AND NECESSARY REPAIRS HAVE BEEN COMPLETED TO THE SATISFACTION OF THE ENGINEER AND THE CITY OF OTTAWA. 36. ALL RETAINING WALLS GREATER THAN 1.0m IN HEIGHT SHALL BE DESIGNED BY A QUALIFIED STRUCTURAL

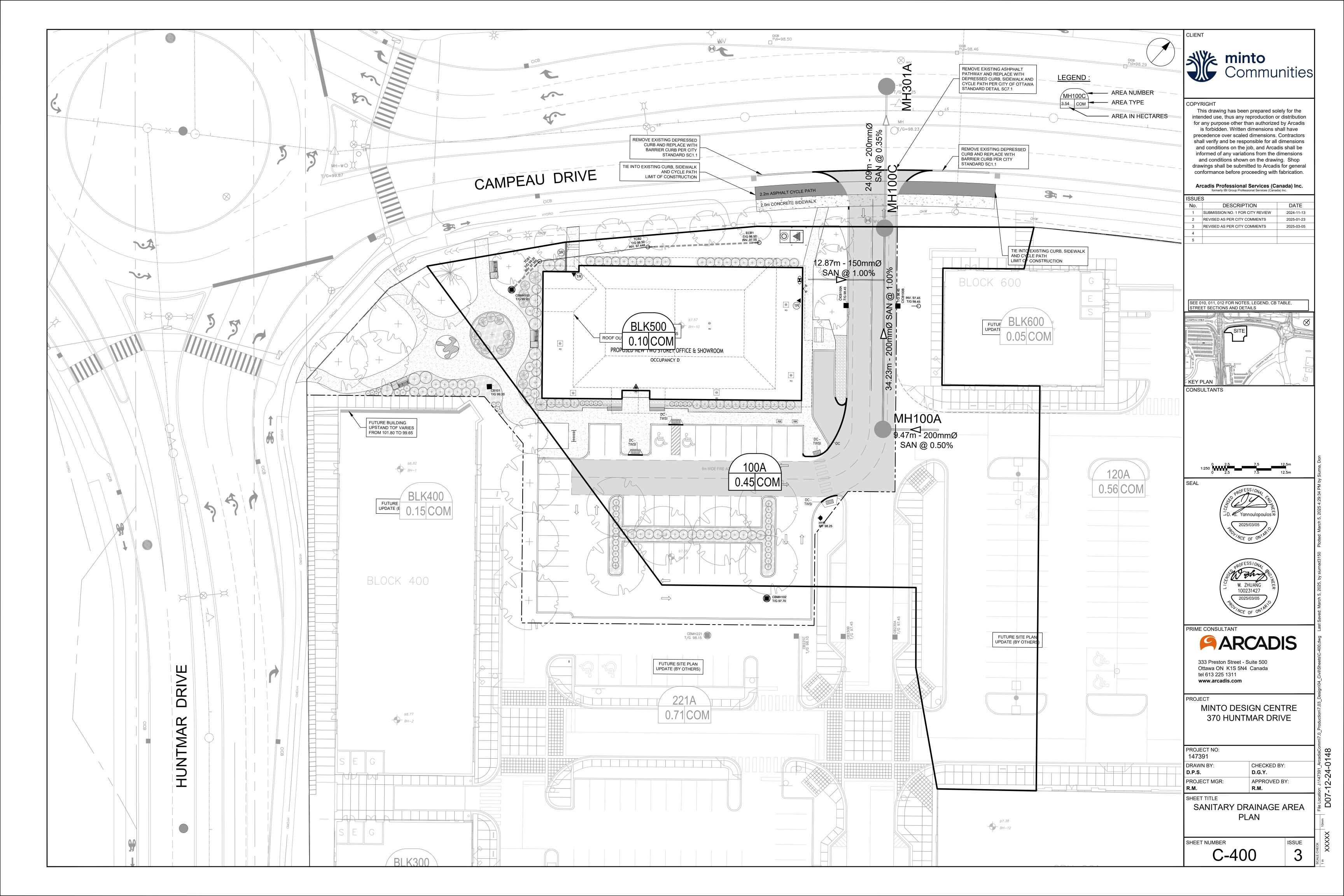
37. ALL RETAINING WALLS GREATER THAN 0.6m IN HEIGHT REQUIRE A GUARD. ANY GUARD ON A RETAINING WALL GREATER THAN 1.0m IN HEIGHT SHALL BE DESIGNED BY THE QUALIFIED STRUCTURAL ENGINEER RESPONSIBLE FOR THE WALL DESIGN.

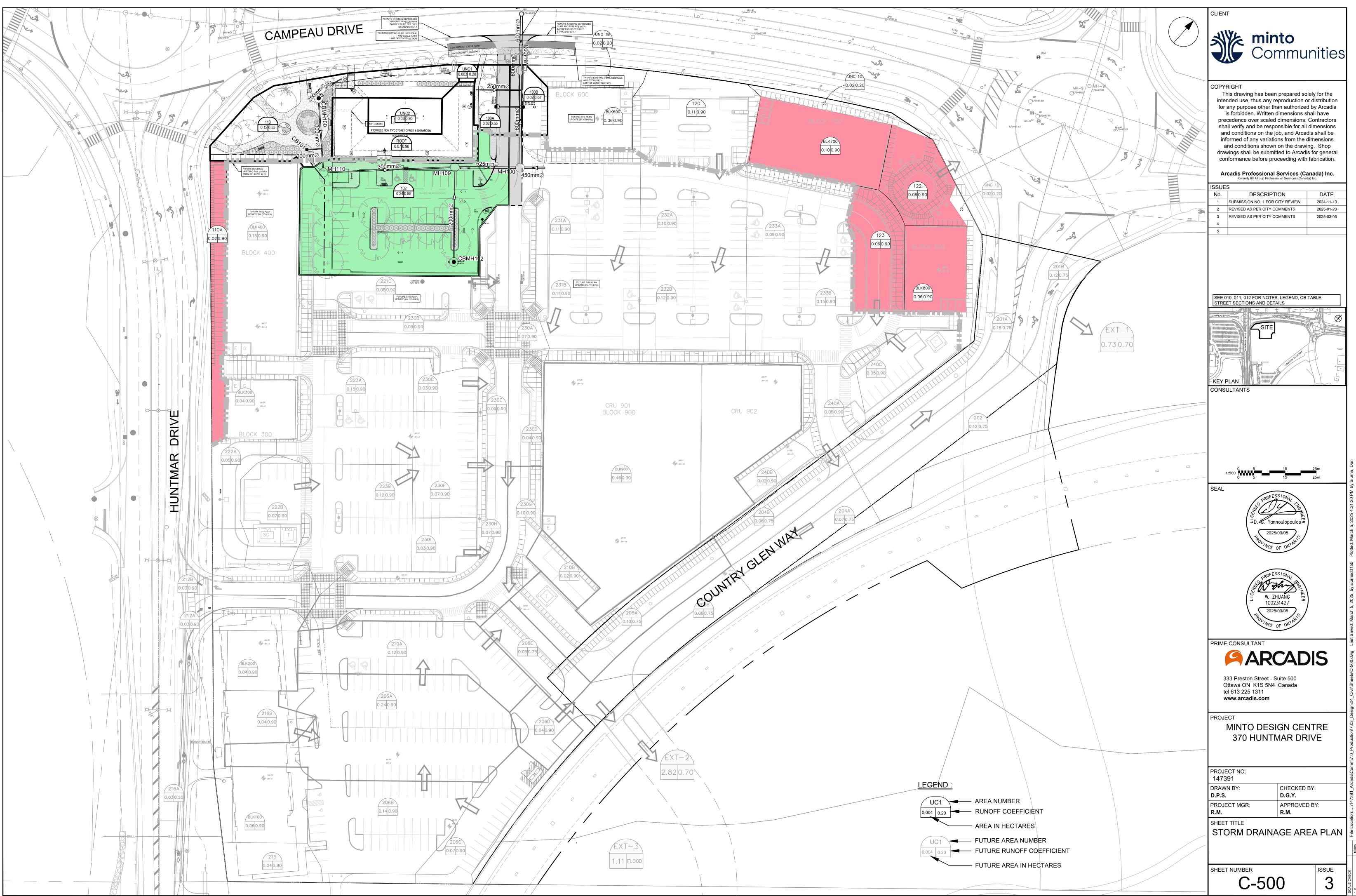
38. UPON COMPLETION OF THE RETAINING WALL, THE CONTRACTOR SHALL REQUEST A CONFORMANCE CERTIFICATE FROM THE QUALIFIED ENGINEER RESPONSIBLE FOR THE WALL DESIGN.





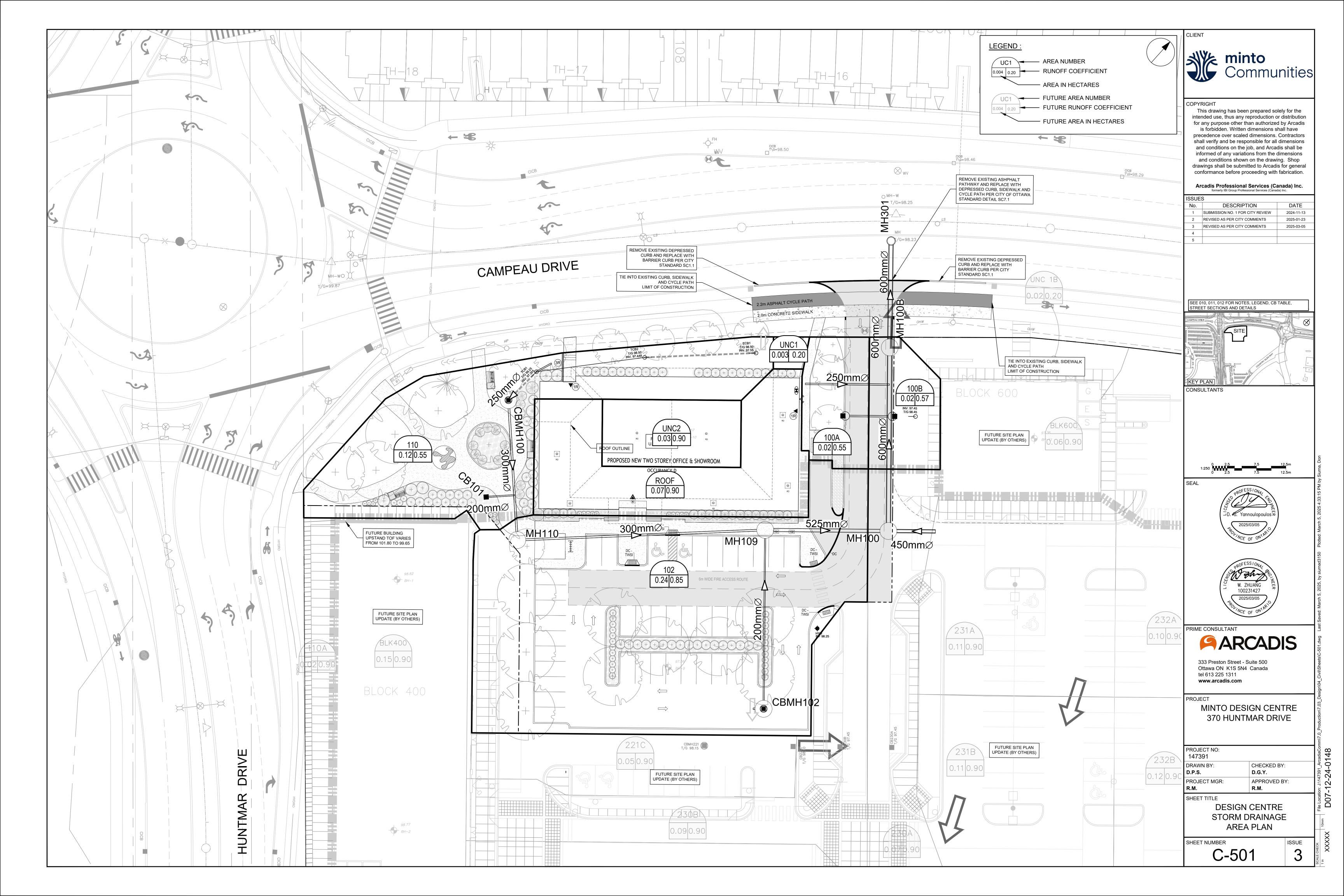
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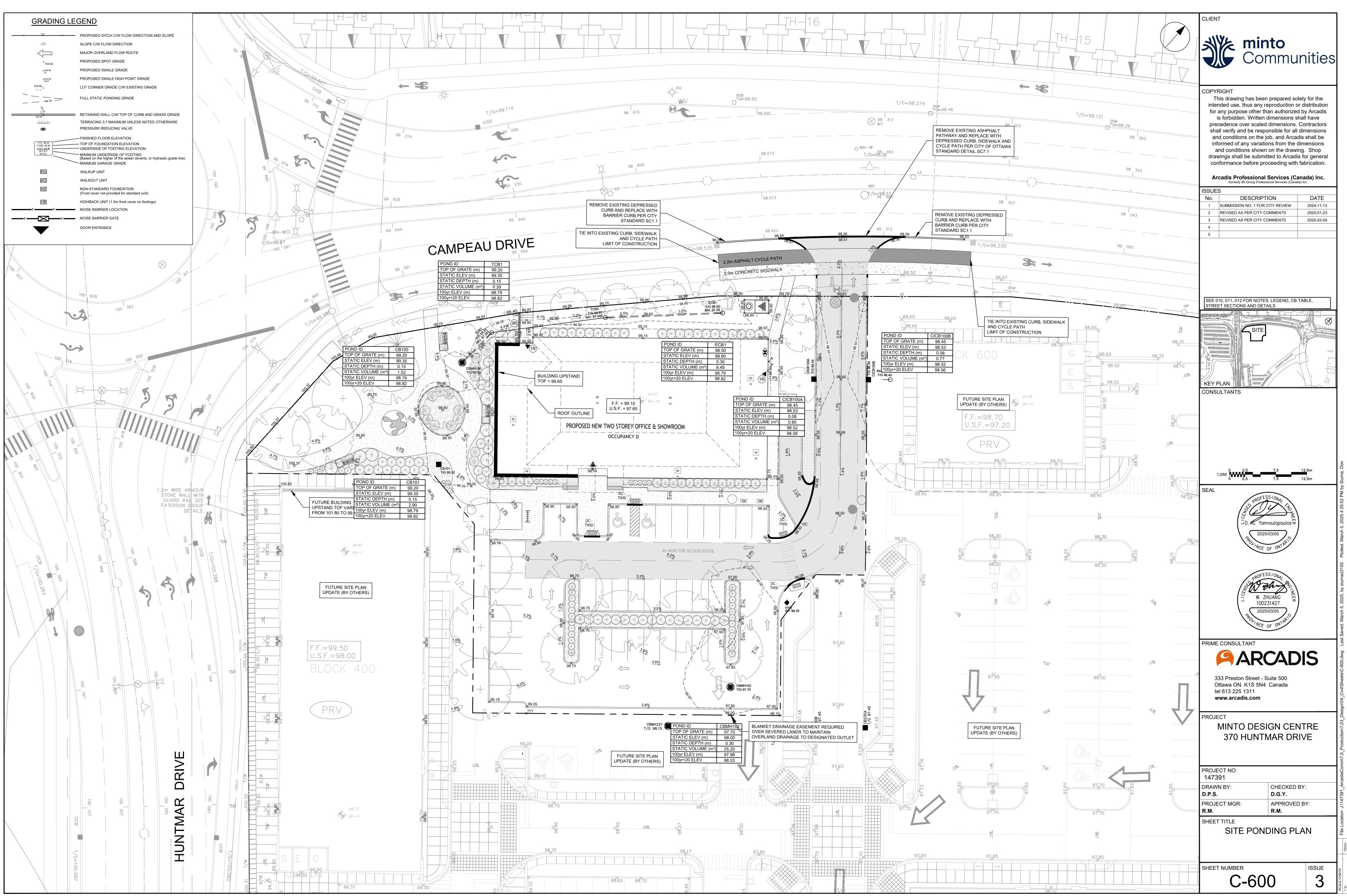




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