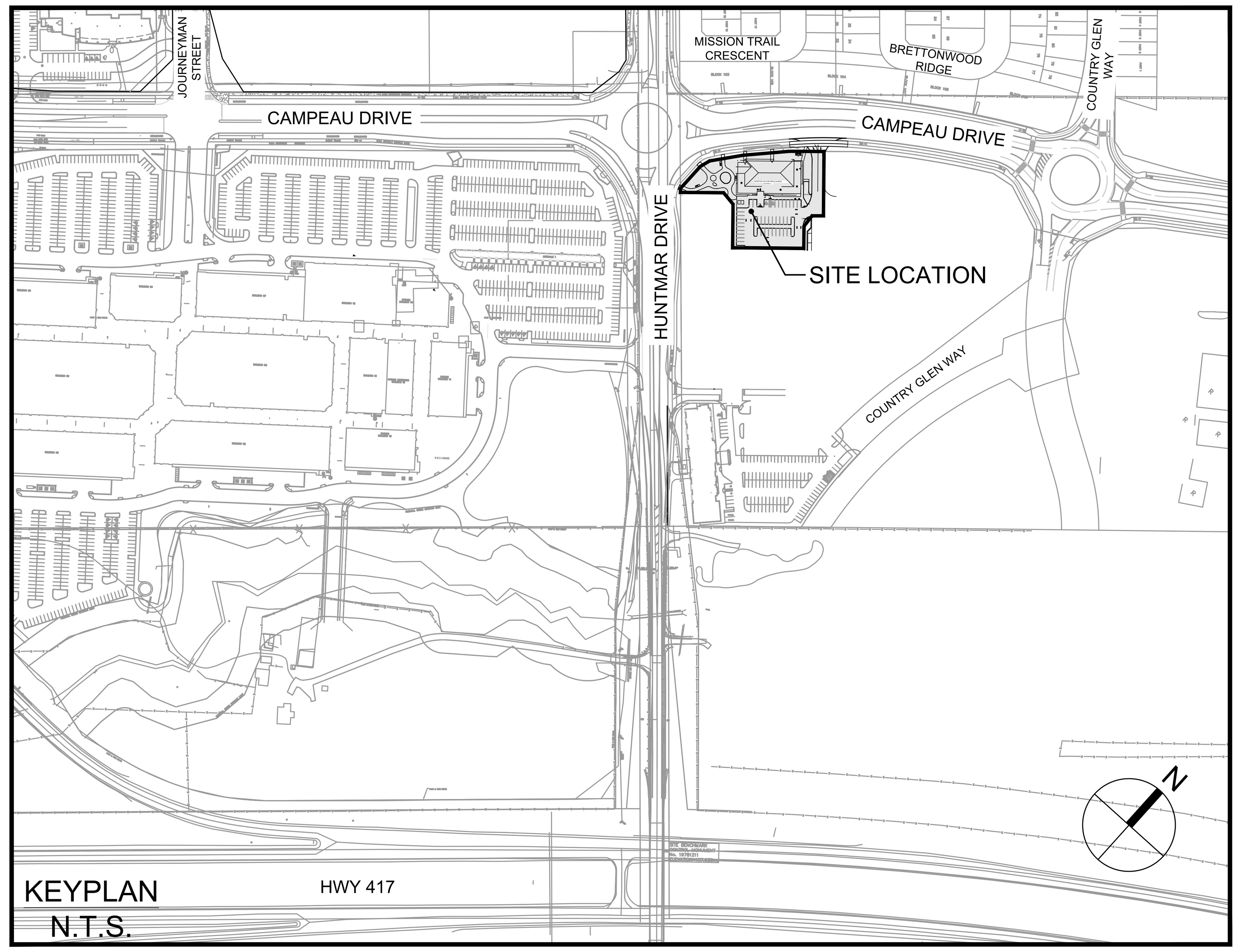
MINTO DESIGN CENTRE
370 HUNTMAR DRIVE



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Drawing List Table		
Drawing Number	Drawing Title	Drawing Description
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	

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CONTRACT NO. 147391

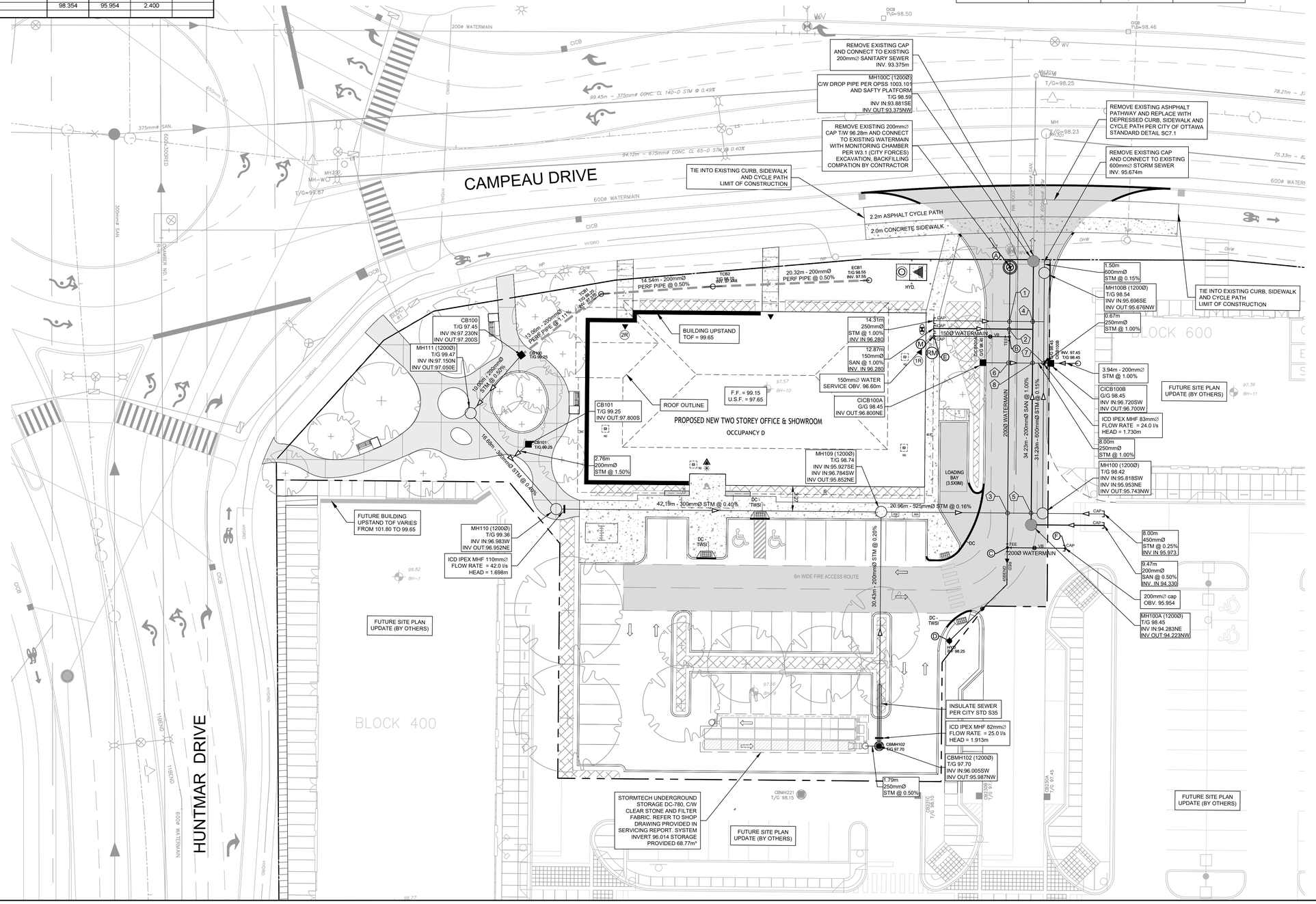
SUBMISSION NO. 1 ISSUED FOR CITY REVIEW - 2024-11-13
CITY FILE No. D07-#### CITY PLAN No.####

WATERMAIN SCHEDULE

	Station	Description	Finished Grade	Top of Watermain	Watermain Cover	As Built Watermain
A	0+000.00	MONITORING CHAMBER	98.597	96.197	2.400	
	0+006.00	-	98.566	96.166	2.400	
	0+007.00	-	98.560	95.674	2.886	
	0+008.00	-	98.555	95.678	2.877	
B	0+009.04	200x150 TEE WATER SERVICE	98.550	96.150	2.400	
	0+020.00	-	98.630	96.230	2.400	
	0+030.50	-	98.511	95.309	3.202	
	0+032.000	-	98.522	96.122	2.400	
	0+036.44	200x200 TEE	98.416	96.016	2.400	
C	0+038.05	200x150 REDUCER	98.369	95.969	2.400	
	0+041.23	45 BEND	98.282	95.882	2.400	
	0+045.70	HYDRANT VALVE	98.101	95.701	2.400	
D	0+051.68	HYDRANT	98.170	95.770	2.400	
B	0+000.00	200x150mm TEE WATER SERVICE	98.550	96.150	2.400	
	0+002.46	150 VB	98.484	96.084	2.400	
E	0+059.81	150 CAP	99.000	96.600	2.400	
C	0+000.00	200x200 TEE	98.416	96.016	2.400	
	0+003.50	50mm WATER SERVICE	98.365	95.965	2.400	
F	0+007.50	200 CAP	98.354	95.954	2.400	

Pipe Interference Table

Crossing No.	PIPE 1	PIPE 2	Clearance
1	STM Bottom 96.174	WTR Top 95.674	0.500
2	SAN Bottom 96.178	WTR Top 95.678	0.500
3	STM Bottom 95.809	WTR Top 95.309	0.500
4	STM Bottom 96.144	SAN Top 94.165	1.978
5	STM Bottom 95.804	SAN Top 94.414	1.390
6	STM Bottom 96.763	WTR Top 96.146	0.617
7	STM Bottom 96.718	STM Top 96.409	0.309
8	STM Bottom 96.732	SAN Top 94.219	2.513



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ISSUES

No.	DESCRIPTION	DATE
1	SUBMISSION NO. 1 FOR CITY REVIEW	2024-11-13
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3		
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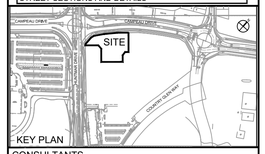
SEE 010, 011, 012 FOR NOTES, LEGEND, CB TABLE, STREET SECTIONS AND DETAILS



KEY PLAN

1:250 0 2.5 5 7.5 12.5m

CONSULTANTS

SEAL

LICENSED PROFESSIONAL ENGINEER
J.D. K. Tannoulopoulos
2024/11/13
PROVINCE OF ONTARIO

PRIME CONSULTANT

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PROJECT

MINTO DESIGN CENTRE
370 HUNTMAR DRIVE

PROJECT NO: 147391	
DRAWN BY: **D.P.S.**	CHECKED BY: **D.G.Y.**
PROJECT MGR: **R.M.**	APPROVED BY: **R.M.**

SHEET TITLE

SITE SERVICING PLAN

SHEET NUMBER	ISSUE
C-001	1

SCALE CHECK 1 in

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D07-XX-XX-XXXX

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GENERAL LEGEND

- LIMIT OF CONSTRUCTION
- PHASING LINE
- BARRIER CURB
- MOUNTABLE CURB
- DEPRESSED BARRIER CURB
- CONCRETE SIDEWALK
- TACTILE WALKING SURFACE INDICATOR
- ASPHALT SIDEWALK / PATHWAY
- BUS STOP CONCRETE / ASPHALT
- HEAVY DUTY ASPHALT
- ASPHALT
- HEAVY DUTY CONCRETE
- CONCRETE

SERVICING LEGEND

- MH118A — SANITARY MANHOLE
- 200mmØ SAN — SANITARY SEWER
- MH109 / MH118 — STORM MANHOLE
- 825mmØ STM — STORM SEWER - LESS THAN 900Ø
- 900mmØ STM — STORM SEWER - 900Ø AND GREATER
- 200Ø WATERMAIN — WATERMAIN
- CB100, T/G 104.10 — STREET CATCHBASIN C/W TOP OF GRATE
- CICB101, G/G 104.25 — CURB INLET CATCHBASIN C/W GUTTER GRADE
- DCB100, T/G 104.10 — DOUBLE CATCHBASIN C/W TOP OF GRATE
- DCICB101, G/G 104.25 — DOUBLE CURB INLET CATCHBASIN C/W GUTTER GRADE
- DI101, T/G 103.59 — DITCH INLET MANHOLE C/W TOP OF GRATE
- 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
- T/G 104.35, INV 103.35 — REAR YARD "TEE" CATCHBASIN (300Ø) C/W TOP OF GRATE AND INVERT OUT
- T/G 104.50, INV 103.50 — REAR YARD "END" CATCHBASIN (300Ø) C/W TOP OF GRATE AND INVERT OUT
- T/G 104.35, INV 103.35 — REAR YARD "CUSTOM ANGLED " CATCHBASIN (450Ø) C/W TOP OF GRATE AND INVERT OUT
- T/G 104.35, INV 103.35 — REAR YARD "THREE WAY" CATCHBASIN (450Ø) C/W TOP OF GRATE AND INVERT OUT
- PERFORATED REAR YARD SUBDRAIN
- 300mmØ CSP — CSP CULVERT C/W DIAMETER
- V&VB — VALVE AND VALVE BOX
- V&VC — VALVE AND VALVE CHAMBER
- PARK VALVE CHAMBER C/W SERVICE POST
- HYD 104.35 — FIRE HYDRANT C/W BOTTOM OF FLANGE ELEVATION
- 200Ø WM — RED — 150Ø WM — WATERMAIN REDUCER
- 2 VBENDS — VERTICAL BEND LOCATION
- SIAMESE CONNECTION (IF REQUIRED)
- M — METER (IF REQUIRED)
- RM — REMOTE METER (IF REQUIRED)
- A — WATERMAIN IDENTIFICATION (IF REQUIRED)
- 1 — PIPE CROSSING IDENTIFICATION (IF REQUIRED)
- SINGLE SERVICE LOCATION
- DOUBLE SERVICE LOCATION
- BH 12, 102.00 — INFERRED REFUSAL (SEE GEOTECHNICAL REPORT)
- HGL 101.79 — 100 YEAR STORM HYDRAULIC GRADE LINE AT MANHOLE
- USF 101.79 — UNDERSIDE OF FOOTING ELEVATION
- CLAY SEAL IN SEWER / WATERMAIN TRENCH
- PRESSURE REDUCING VALVE

EXISTING LEGEND

- Inv. — INVERT
- T/G — TOP OF GRATE
- U/Eave — UNDERSIDE OF EAVE
- TpFdn — TOP OF FOUNDATION
- C/L — CENTRELINE
- 65.00 — LOCATION OF ELEVATIONS
- 65.00 — TOP OF CONCRETE CURB ELEVATION
- City — PLAN 6943P&P02
- UP — UTILITY POLE
- AN — ANCHOR
- LS — LIGHT STANDARD
- CB — CATCH BASIN
- SP — WATER STAND POST
- GM — GAS METER
- B — BOLLARD
- S — SIGN
- AC — AIR CONDITIONER
- BF — BOARD FENCE
- MF — METAL FENCE
- CRW — CONCRETE RETAINING WALL
- TRW — TIMBER RETAINING WALL
- DECIDUOUS TREE
- WATER VALVE, VALVE CHAMBER, FIRE HYDRANT
- SEWER MANHOLE, CATCH BASIN MANHOLE
- CATCH BASIN / DRAINAGE, WING WALL, HEAD WALL
- POLE, POLE W/ LIGHT, DECORATIVE, LAWN LIGHT
- PP, TRANS, GR — POWER SUPPLY, PANEL, PEDESTAL, TRANSFORMER, TOWER, REGULATOR
- AMP, HAND HOLE, VAULT, GAS VALVE
- BUS, BUS — OC TRANSPO: BUS SHELTER-NO POWER, ENERGIZED, ISOLATED
- TGS — STREETSCAPE: PLANTER BOX, GRATE SQUARE, ENG. SOIL
- TCS, TDS, SDS — TRAFFIC CONNECT BOX / DISCONNECT BOX, SL DISCONNECT

NOTES :

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 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.
3. THE CONTRACTOR SHALL REPORT ALL CONFLICTS, DISCOVERIES OF ERROR AND DISCREPANCIES TO THE ENGINEER.
4. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT AND ASSUME RESPONSIBILITY FOR ALL UTILITIES 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.
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.
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.
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
   50mm - BINDER COURSE - SUPERPAVE 19.0 ASPHALTIC CONCRETE
   150mm - 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)
   50mm - 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
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.
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 807.030, OR HIGHER
    FOR SHALLOW SEWERS, REFER TO CITY STANDARD S35.
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 ENGINEER.
24. ALL FIRE HYDRANTS AS PER CITY STANDARD W19, c/w 150mmØ LEAD UNLESS OTHERWISE SPECIFIED.
25. ALL STUBBED SEWERS SHALL HAVE PRE-MANUFACTURED CAPS INSTALLED.
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 MAIN SHALL BE 200mmØ PVC DR35 @ MIN 1% SLOPE UNLESS NOTED OTHERWISE.
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.
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).
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 ENGINEER.
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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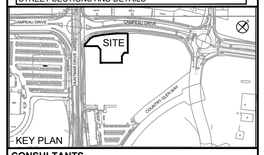
SEE 010, 011, 012 FOR NOTES, LEGEND, CB TABLE, STREET SECTIONS AND DETAILS



CONSULTANTS

SEAL

LICENCED PROFESSIONAL ENGINEER
L.D. G. Yannoulopoulos
2024/11/13
PROVINCE OF ONTARIO

PRIME CONSULTANT

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PROJECT

MINTO DESIGN CENTRE
370 HUNTMAR DRIVE

PROJECT NO: 147391

DRAWN BY:	CHECKED BY:
D.P.S.	**D.G.Y.**
PROJECT MGR: **R.M.**	APPROVED BY: **R.M.**

SHEET TITLE

NOTES & LEGEND

SHEET NUMBER C-010 | ISSUE 1

SCALE CHECK 1 in | 10mm | XXXXX

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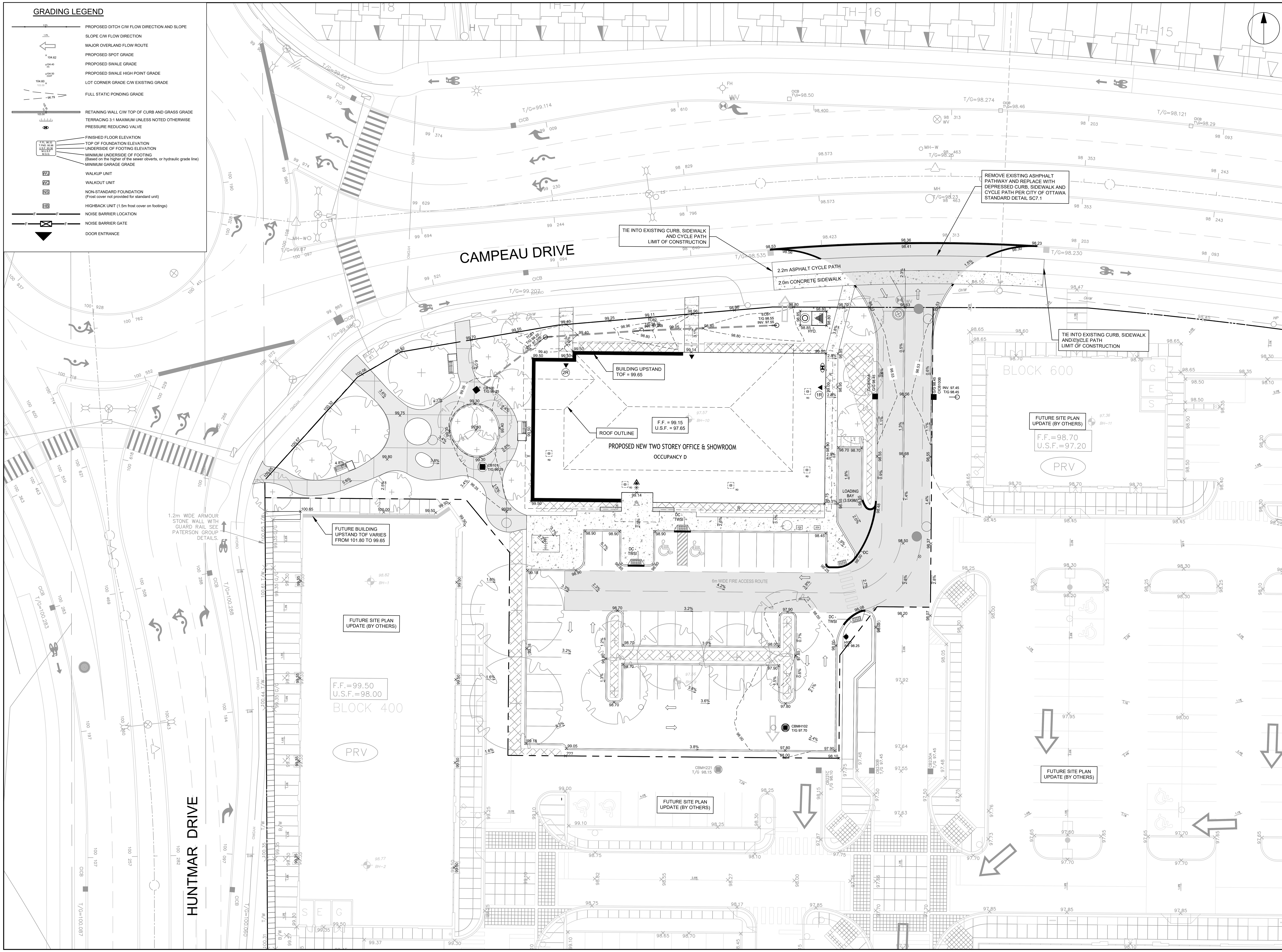
GRADING LEGEND
PROPOSED DITCH C/W FLOW DIRECTION AND SLOPE
SLOPE C/W FLOW DIRECTION
MAJOR OVERLAND FLOW ROUTE
PROPOSED SPOT GRADE
PROPOSED SWALE GRADE
PROPOSED SWALE HIGH POINT GRADE
LOT CORNER GRADE C/W EXISTING GRADE
FULL STATIC PONDING GRADE
RETAINING WALL C/W TOP OF CURB AND GRASS GRADE
TERRACING 3:1 MAXIMUM UNLESS NOTED OTHERWISE
PRESSURE REDUCING VALVE
FINISHED FLOOR ELEVATION
TOP OF FOUNDATION ELEVATION
UNDERSIDE OF FOOTING ELEVATION
MINIMUM UNDERSIDE OF FOOTING (Based on the higher of the sewer obverts, or hydraulic grade line)
MINIMUM GARAGE GRADE
WALKUP UNIT
WALKOUT UNIT
NON-STANDARD FOUNDATION (Frost cover not provided for standard unit)
HIGHBACK UNIT (1.5m frost cover on footings)
NOISE BARRIER LOCATION
NOISE BARRIER GATE
DOOR ENTRANCE
CAMPEAU DRIVE
HUNTMAR DRIVE
TIE INTO EXISTING CURB, SIDEWALK AND CYCLE PATH LIMIT OF CONSTRUCTION
REMOVE EXISTING ASPHALT PATHWAY AND REPLACE WITH DEPRESSED CURB, SIDEWALK AND CYCLE PATH PER CITY OF OTTAWA STANDARD DETAIL SC7.1
2.2m ASPHALT CYCLE PATH
2.0m CONCRETE SIDEWALK
BUILDING UPSTAND TOF = 99.65
ROOF OUTLINE
F.F. = 99.15
U.S.F. = 97.65
PROPOSED NEW TWO STOREY OFFICE & SHOWROOM
OCCUPANCY D
LOADING BAY (3.5X9M)
6m WIDE FIRE ACCESS ROUTE
FUTURE BUILDING UPSTAND TOF VARIES FROM 101.80 TO 99.65
1.2m WIDE ARMOUR STONE WALL WITH GUARD RAIL SEE PATERSON GROUP DETAILS.
FUTURE SITE PLAN UPDATE (BY OTHERS)
F.F.=99.50
U.S.F.=98.00
BLOCK 400
PRV
BLOCK 600
F.F.=98.70
U.S.F.=97.20
SEE 010, 011, 012 FOR NOTES, LEGEND, CB TABLE, STREET SECTIONS AND DETAILS
SITE
KEY PLAN
1:250

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370 HUNTMAR DRIVE

PROJECT NO:
147391

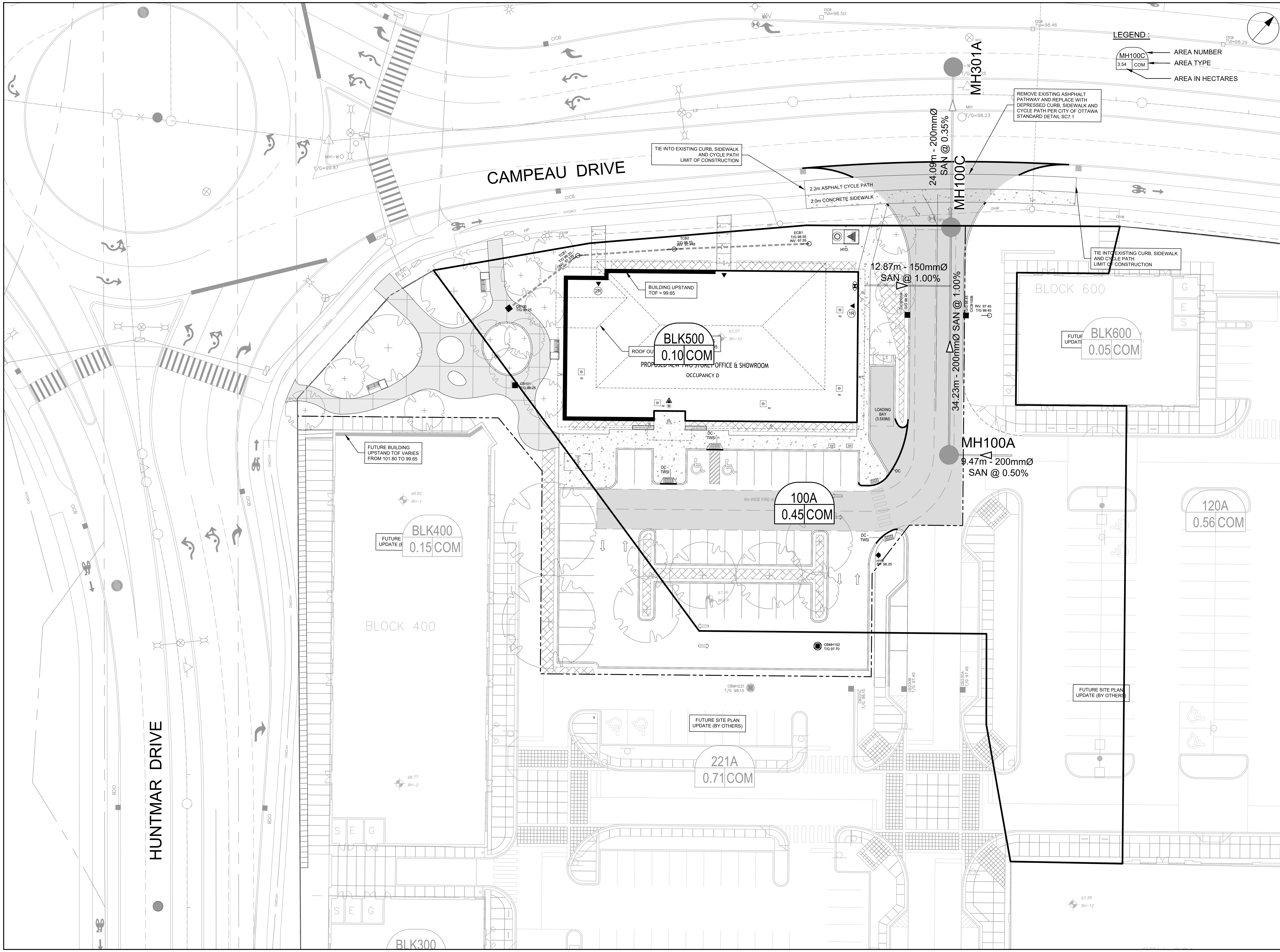
DRAWN BY:	CHECKED BY:
D.P.S.	D.G.Y.
PROJECT MGR:	APPROVED BY:
R.M.	R.M.

SHEET TITLE

SITE GRADING PLAN

SHEET NUMBER: C-200
ISSUE: 1

D07-XX-XX-XXXX



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KEY PLAN

CONSULTANTS

1:250

SEAL

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147391

DRAWN BY:	CHECKED BY:
D.P.S.	D.G.Y.
PROJECT MGR:	APPROVED BY:
R.M.	R.M.

SHEET TITLE

SANITARY DRAINAGE AREA PLAN

SHEET NUMBER	ISSUE
C-400	1

D07-XX-XX-XXXX

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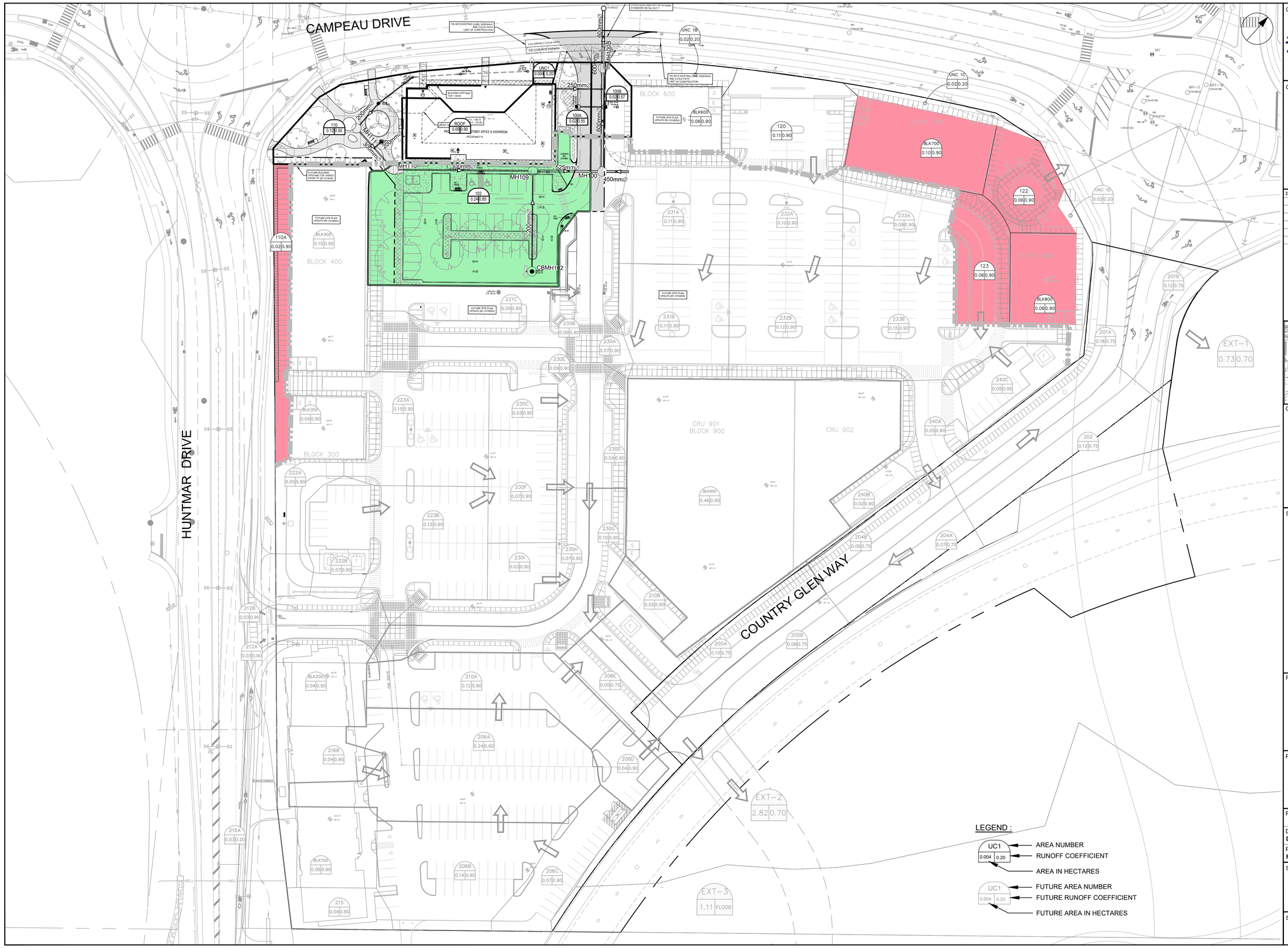

CLIENT

minto Communities

Arcadis Professional Services (Canada) Inc.
formerly IBI Group Professional Services (Canada) Inc

ISSUES

No.	DESCRIPTION	DATE
1	SUBMISSION NO. 1 FOR CITY REVIEW	2024-11-13
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3		
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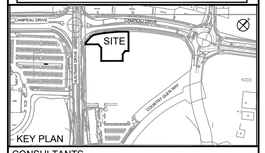
5		

SEE 010, 011, 012 FOR NOTES, LEGEND, CB TABLE, STREET SECTIONS AND DETAILS



KEY PLAN

CONSULTANTS

1:500 0 5 15 25m

SEAL

LICENCED PROFESSIONAL ENGINEER
L.D. 45. Yannoulopoulos
2024/11/13
PROVINCE OF ONTARIO

PRIME CONSULTANT

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

PROJECT
MINTO DESIGN CENTRE
370 HUNTMAR DRIVE

PROJECT NO: 147391	
DRAWN BY: **D.P.S.**	CHECKED BY: **D.G.Y.**
PROJECT MGR: **R.M.**	APPROVED BY: **R.M.**

SHEET TITLE
STORM DRAINAGE AREA PLAN

SHEET NUMBER	ISSUE
C-500	1

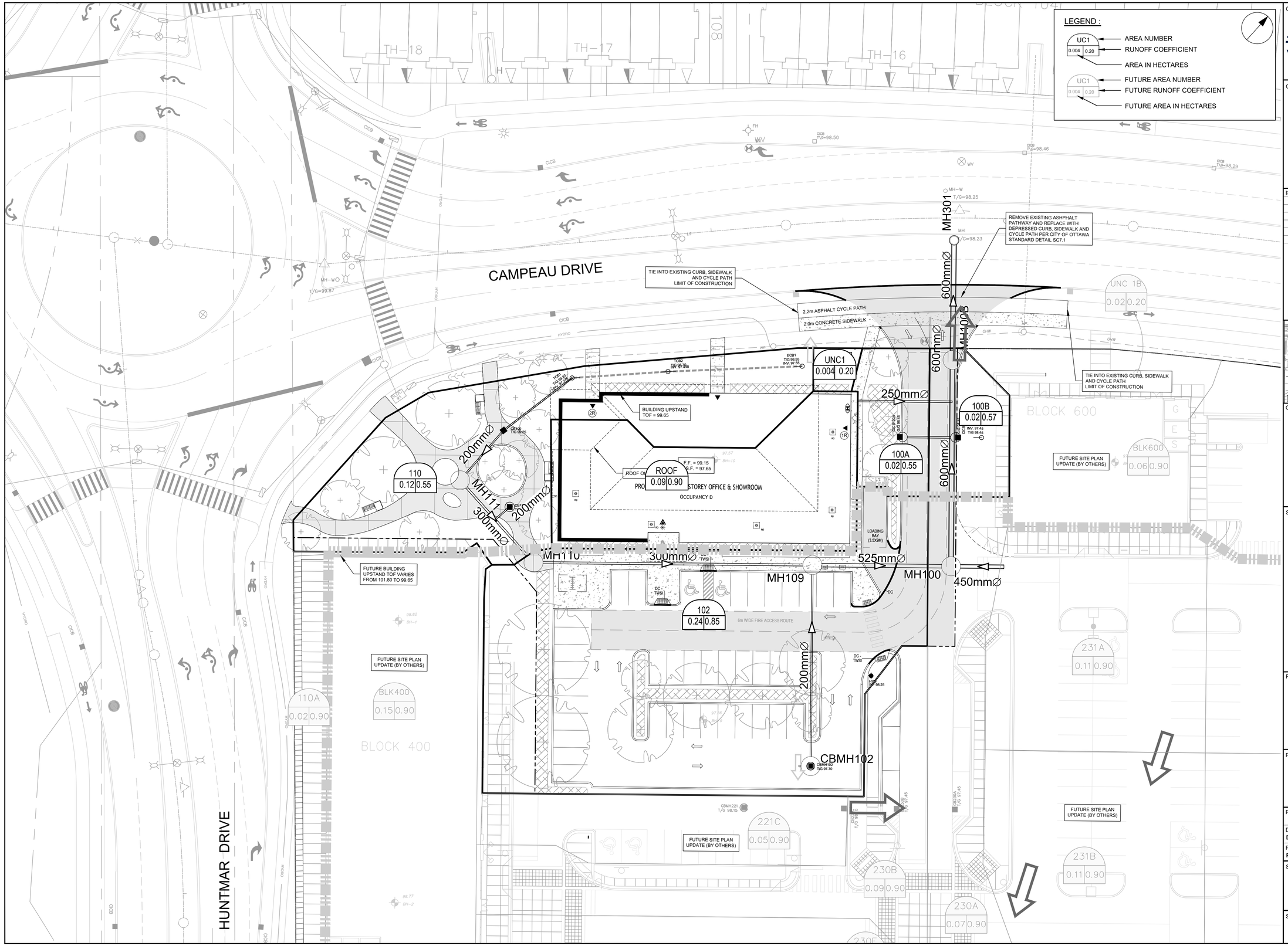
SCALE CHECK 1 in

XXXXX

10mm

D07-XX-XX-XXXX

File Location: J:\147391_ArcadiaComm\7.0_Production\7.03_Design\04_Civil\Sheets\C-500.dwg Last Saved: November 13, 2024 by siurrad3150 Plotted: November 13, 2024 2:55:55 PM by Siurma, Don



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ISSUES

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CONSULTANTS

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LICENCED PROFESSIONAL ENGINEER
L.D. Yannoulopoulos
2024/11/13
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PROJECT
MINTO DESIGN CENTRE
370 HUNTMAR DRIVE

PROJECT NO: 147391	
DRAWN BY: **D.P.S.**	CHECKED BY: **D.G.Y.**
PROJECT MGR: **R.M.**	APPROVED BY: **R.M.**

SHEET TITLE
DESIGN CENTRE
STORM DRAINAGE
AREA PLAN

SHEET NUMBER	ISSUE
C-501	1

SCALE CHECK 1 cm

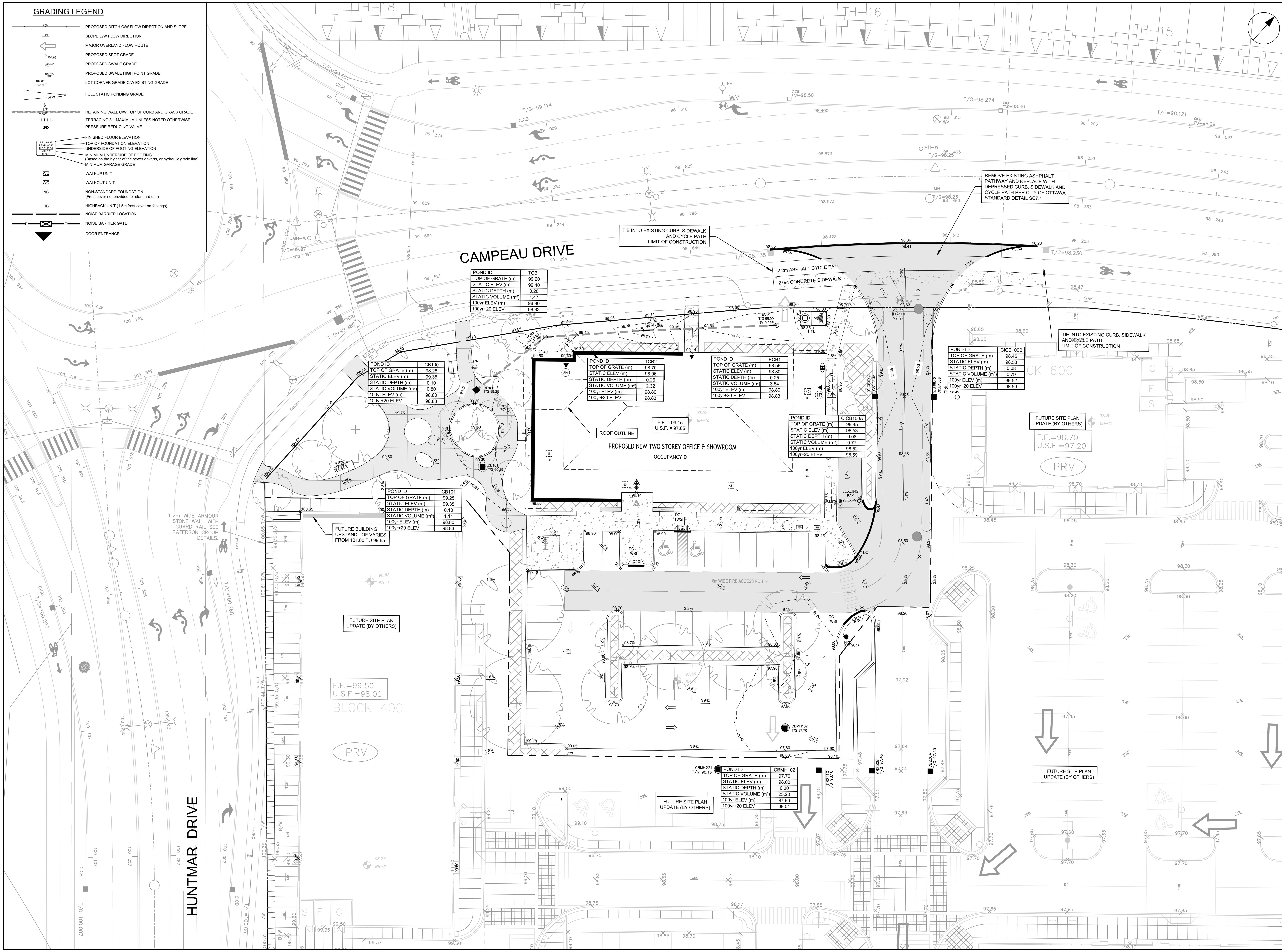
D07-XX-XX-XXXX

XXXXX

File Location: J:\147391_ArcadisCommI\7.0_Production\7.03_Design\04_Civil\Sheets\C-501.dwg Last Saved: November 6, 2024, by siumsa3150 Plotted: November 13, 2024 2:57:02 PM by Siuma, Don

GRADING LEGEND

- PROPOSED DITCH C/W FLOW DIRECTION AND SLOPE (0.5%)
- SLOPE C/W FLOW DIRECTION (1.3%)
- MAJOR OVERLAND FLOW ROUTE
- PROPOSED SPOT GRADE (× 104.62)
- PROPOSED SWALE GRADE (×104.40 (S))
- PROPOSED SWALE HIGH POINT GRADE (×104.50 (S)HP)
- LOT CORNER GRADE C/W EXISTING GRADE (104.60 × 103.59)
- FULL STATIC PONDING GRADE (96.79)
- RETAINING WALL C/W TOP OF CURB AND GRASS GRADE (105.30 T/C, 103.50)
- TERRACING 3:1 MAXIMUM UNLESS NOTED OTHERWISE
- PRESSURE REDUCING VALVE
- F.FL. 96.32 — FINISHED FLOOR ELEVATION
- T.FND. 95.96 — TOP OF FOUNDATION ELEVATION
- U.S.F. 93.36 — UNDERSIDE OF FOOTING ELEVATION
- M.U.S.F — MINIMUM UNDERSIDE OF FOOTING (Based on the higher of the sewer obverts, or hydraulic grade line)
- M.G.G. — MINIMUM GARAGE GRADE
- WU — WALKUP UNIT
- WO — WALKOUT UNIT
- NS — NON-STANDARD FOUNDATION (Frost cover not provided for standard unit)
- HB — HIGHBACK UNIT (1.5m frost cover on footings)
- NOISE BARRIER LOCATION
- NOISE BARRIER GATE
- DOOR ENTRANCE



POND ID	TCB1
TOP OF GRATE (m)	99.20
STATIC ELEV (m)	99.40
STATIC DEPTH (m)	0.20
STATIC VOLUME (m³)	1.47
100yr ELEV (m)	98.80
100yr+20 ELEV	98.83

POND ID	CB100
TOP OF GRATE (m)	98.25
STATIC ELEV (m)	99.35
STATIC DEPTH (m)	0.10
STATIC VOLUME (m³)	0.80
100yr ELEV (m)	98.80
100yr+20 ELEV	98.83

POND ID	TCB2
TOP OF GRATE (m)	98.70
STATIC ELEV (m)	98.96
STATIC DEPTH (m)	0.26
STATIC VOLUME (m³)	2.32
100yr ELEV (m)	98.80
100yr+20 ELEV	98.83

POND ID	ECB1
TOP OF GRATE (m)	98.55
STATIC ELEV (m)	98.80
STATIC DEPTH (m)	0.25
STATIC VOLUME (m³)	3.54
100yr ELEV (m)	98.80
100yr+20 ELEV	98.83

POND ID	CICB100B
TOP OF GRATE (m)	98.45
STATIC ELEV (m)	98.53
STATIC DEPTH (m)	0.08
STATIC VOLUME (m³)	0.79
100yr ELEV (m)	98.52
100yr+20 ELEV	98.59

POND ID	CICB100A
TOP OF GRATE (m)	98.45
STATIC ELEV (m)	98.53
STATIC DEPTH (m)	0.08
STATIC VOLUME (m³)	0.77
100yr ELEV (m)	98.52
100yr+20 ELEV	98.59

POND ID	CB101
TOP OF GRATE (m)	99.25
STATIC ELEV (m)	99.35
STATIC DEPTH (m)	0.10
STATIC VOLUME (m³)	1.11
100yr ELEV (m)	98.80
100yr+20 ELEV	98.83

POND ID	CBMH102
TOP OF GRATE (m)	97.70
STATIC ELEV (m)	98.00
STATIC DEPTH (m)	0.30
STATIC VOLUME (m³)	25.20
100yr ELEV (m)	97.96
100yr+20 ELEV	98.04

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ISSUES

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1	SUBMISSION NO. 1 FOR CITY REVIEW	2024-11-13
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SEE 010, 011, 012 FOR NOTES, LEGEND, CB TABLE, STREET SECTIONS AND DETAILS

KEY PLAN

CONSULTANTS

1:250

SEAL

LICENSED PROFESSIONAL ENGINEER
D. G. Yannoulopoulos
2024/11/13
PROVINCE OF ONTARIO

PRIME CONSULTANT

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PROJECT

MINTO DESIGN CENTRE
370 HUNTMAR DRIVE

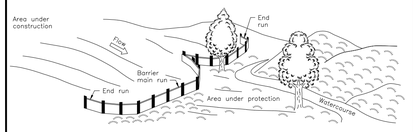
PROJECT NO: 147391	
DRAWN BY: D.P.S.	CHECKED BY: D.G.Y.
PROJECT MGR: R.M.	APPROVED BY: R.M.

SHEET TITLE

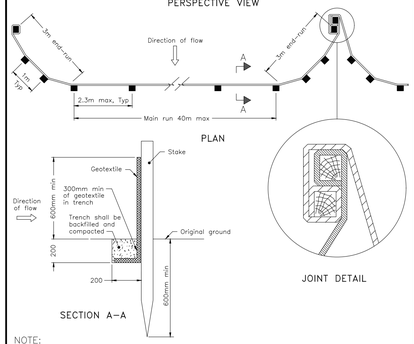
SITE PONDING PLAN

SHEET NUMBER C-600 — ISSUE 1

D07-XX-XX-XXXX



PERSPECTIVE VIEW



PLAN

JOINT DETAIL

SECTION A–A

NOTE:
A All dimensions are in millimetres unless otherwise shown.

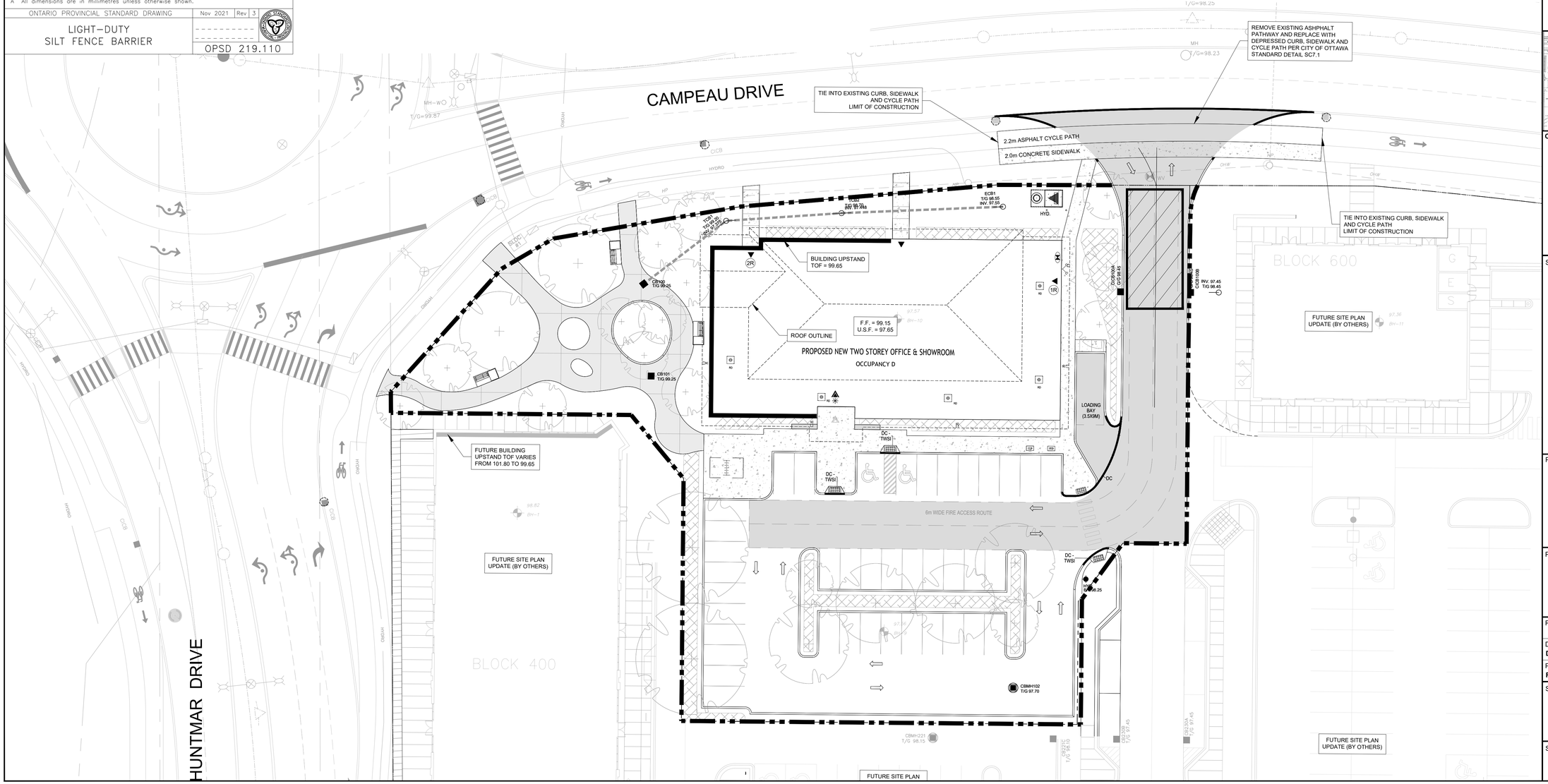
ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2021	Rev 3
LIGHT–DUTY SILT FENCE BARRIER		OPSD 219.110

NOTES:

1. 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.
2. SILT FENCE TO BE ERECTED PRIOR TO EARTH WORKS BEING COMMENCED. SILT FENCE TO BE MAINTAINED UNTIL VEGETATION IS ESTABLISHED OR UNTIL START OF SUBSEQUENT PHASE.
3. STRAW BALE SEDIMENT TRAPS TO BE CONSTRUCTED IN EXISTING ROAD SIDE DITCHES. TRAPS TO REMAIN AND BE MAINTAINED UNTIL VEGETATION IS ESTABLISHED.
4. SILT SACK TO BE PLACED AND MAINTAINED UNDER COVER OF ALL CATCHBASINS. GEOTEXTILE SILT SACK IN STREET CBs TO REMAIN UNTIL ALL CURBS ARE CONSTRUCTED. GEOTEXTILE FABRIC IN RYCBs TO REMAIN UNTIL VEGETATION IS ESTABLISHED. ALL CATCHBASINS TO BE REGULARLY INSPECTED AND CLEANED, AS NECESSARY, UNTIL SOD AND CURBS ARE CONSTRUCTED.
5. CONTRACTOR TO PROVIDE DETAILS ON LOCATION(S) AND DESIGN OF DEWATERING TRAP(S) PRIOR TO COMMENCING WORK. CONTRACTOR ALSO RESPONSIBLE FOR MAINTAINING TRAP(S) AND ADJUSTING SIZE(S) IF DEEMED REQUIRED BY THE ENGINEER DURING CONSTRUCTION.
6. CONTRACTOR TO PROTECT EXISTING CATCHBASINS WITH FILTER CLOTH UNDER THE COVERS TO TRAP SEDIMENTATION. REFER TO IDENTIFIED STRUCTURES.
7. WORKS NOTED ABOVE ARE TO BE INSTALLED, INSPECTED, MAINTAINED AND ULTIMATELY REMOVED BY SERVICING CONTRACTOR.
8. THIS IS A "LIVING DOCUMENT" AND MAY BE MODIFIED IN THE EVENT THE PROPOSED CONTROL MEASURES ARE INSUFFICIENT.

LEGEND:

- LIGHT DUTY SILT FENCE AS PER OPSD-219.110
- SILT SACK PLACED UNDER EXISTING CB COVER
- TEMPORARY MUD MAT 0.15m THICK 50mm CLEAR STONE ON NON WOVEN FILTER CLOTH (7.0 × 15.0)



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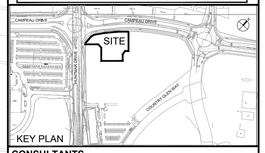

KEY PLAN

CONSULTANTS

1:250 0 2.5 5 7.5 12.5m

SEAL

LICENSED PROFESSIONAL ENGINEER
L.D. S. Yannoulopoulos
2024/11/13
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MINTO DESIGN CENTRE
370 HUNTMAR DRIVE

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PROJECT MGR: **R.M.**	APPROVED BY: **R.M.**

SHEET TITLE
SEDIMENT - EROSION PLAN

SHEET NUMBER	ISSUE
C-900	1

SCALE CHECK 1 in

XXXXX

D07-XX-XX-XXXX

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