STREAMWAY CRESCENT

SEE DWG NO. 25-1018-C102b

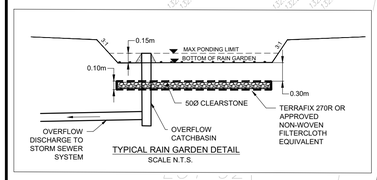
EnVision Consultants Ltd.
1055 Bloor Street
Project No.: 25-1018

Crossings Table - South Development

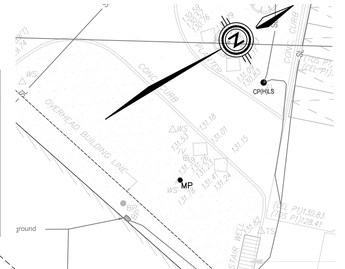
City of Mississauga

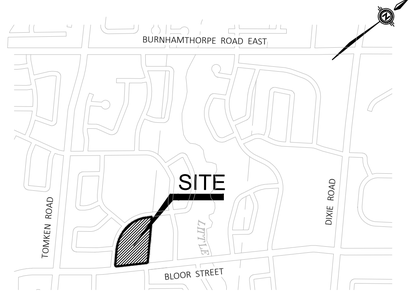
2026-09-01
Designed: A.R.
Checked: D.A.

CROSSING #	GROUND ELEV (m)	STM Diam. (mm)	STM OBV. (m)	STM INV. (m)	SAN Diam. (mm)	SAN OBV. (m)	SAN INV. (m)	PVC WM Diam. (mm)	PVC WM OBV. (m)	PVC WM INV. (m)	CLEARANCE (m)	NOTES
1	131.65	375	128.77	128.39				100	129.95	129.85	1.09	Storm below PVC WM
2	132.54				150	128.50	128.35	100	130.84	130.74	2.24	Sanitary below PVC WM
3	131.95				150	127.76	127.61	100	130.25	130.15	2.39	Sanitary below PVC WM
4	131.49				150	127.39	127.24	100	129.79	129.69	2.30	Sanitary below PVC WM
5	131.04				200	127.28	127.08	*600*	*129.34*	*128.74*	1.46	Sanitary below *ex. CPP WM*
6	131.01							150	128.19	128.04	0.50	Bend PVC WM beneath *ex. CPP WM*
								600	*129.29*	*128.69*		
7	131.14				*300*	*127.18*	*126.88*	150	129.44	129.29	2.11	*Ex. sanitary* below PVC WM
8	131.15	*1050*	*128.37*	*127.32*				150	129.35	129.20	0.83	*Ex. storm* below PVC WM
9	131.52				200	127.63	127.43	*600*	*129.82*	*129.22*	1.59	Sanitary below *ex. CPP WM*
10	132.27	300	129.27	128.97	*250*	*128.39*	*128.14*				0.58	*Ex. sanitary* below storm
11	132.22	300	129.27	128.97				*300*	*130.52*	*130.22*	0.95	*Ex. CPP WM* below storm



TYPICAL RAIN GARDEN DETAIL
SCALE N.T.S.





PROPOSED CLOSED BOTTOM S.W.M. TANK ('SOUTH TANK')
GREENSTORM-ST OR APPROVED EQUIVALENT C/W IMPERMEABLE LINER ON ALL SIDES TO MAKE WATERTIGHT
FOOTPRINT = 90.2 m²
HEIGHT = 1.32m
TOTAL VOLUME = 119.1 m³
SUMP VOLUME = 0 m³
TOP OF STONE = 129.72m
TOP OF TANK = 129.42m
BOTTOM OF TANK = 128.10m
BOTTOM OF STONE = 127.95m
OUTLET = PUMP @ MH102
PEAK RELEASE RATE = 15.0 L/s

STM MH102
PUMP DISCHARGE CHAMBER C/W LIFT PUMP
1200Ø P.C.
OPSD 701.010
TOP 132.56
NE INV. 128.13
SW INV. 129.10
REFER TO MECHANICAL DRWINGS BY CBM GROUP + ASSOCIATES INC. FOR PUMP DETAILS

PROPOSED RAIN GARDEN '1'
BOTTOM FOOTRINT = 70.20 m²
MAX PONDING DEPTH = 0.15m
STONE DEPTH = 0.10m
TOP OF STONE = 131.00m
BOTTOM OF STONE = 130.90m
SURFACE STORAGE PROVIDED = 13.70 m³
STONE STORAGE PROVIDED = 2.81 m³
TOTAL STORAGE PROVIDED = 16.51 m³

PROPOSED RAIN GARDEN '2'
BOTTOM FOOTRINT = 88.89 m²
MAX PONDING DEPTH = 0.15m
STONE DEPTH = 0.10m
TOP OF STONE = 130.90m
BOTTOM OF STONE = 130.80m
SURFACE STORAGE PROVIDED = 15.67 m³
STONE STORAGE PROVIDED = 3.56 m³
TOTAL STORAGE PROVIDED = 19.23 m³

STM MH101
1200Ø P.C.
OPSD 701.010
TOP 132.82
NE INV. 129.06
SW INV. 129.01

CONNECT PROP. 300Ø STORM SEWER TO EX. 600Ø STORM SEWER INV. 128.95

STM CB101
TOP 131.45
INV. 129.10

1.4m - 375Ø PVC STM @ 1.00%
INV. 128.14

EXISTING CATCHBASIN AND LEAD TO BE REMOVED AND DISPOSED OFFSITE

OGS101
2400Ø P.C.
HD-5
TOP 131.68
SE INV. 128.37
NW INV. 128.32

INV. 129.02
INV. 129.02

STM MH104
1200Ø P.C.
OPSD 701.010
TOP 131.51
NE INV. 129.76
SW INV. 129.16

3.9m - 300Ø PVC STM @ 2.00%
INV. 128.28

12.9m - 300Ø PVC STM @ 0.50%
8.5m - 300Ø PVC STM @ 0.50%
3.6m - 375Ø PVC STM @ 1.00%
13.9m - 300Ø PVC STM @ 1.00%
8.9m - 300Ø PVC STM @ 1.00%
2.5m - 375Ø PVC STM @ 1.00%
1.0m - 300Ø PVC STM @ 1.00%

STM CB102
TOP 131.35
INV. 129.85

43.5m - 150Ø PVC SDR-35 SAN @ 1.00%

100Ø PVC DR-18 WATERMAIN
1.0m - 300Ø PVC STM @ 1.00%
PLUG INV. 128.50
PLUG INV. 128.50

150Ø PVC DR-18 WATERMAIN SERVICE CONNECTION PER REGION OF PEEL STD 1-8-2

PROPOSED HYDRO SERVICE (BY OTHERS)

BUILDING STORM COLLECTION SYSTEM. REFER TO MECHANICAL DRAWINGS FOR DETAILS (TYP.)

45.2m - 150Ø PVC SDR-35 SAN @ 1.00%

SAN MH204A
1200Ø P.C.
REGION OF PEEL STD 2-5-3
TOP 131.80
SW INV. 127.90
SE INV. 127.82

SAN MH205A
1200Ø P.C.
REGION OF PEEL STD 2-5-3
TOP 132.51
NE INV. 128.35

BLOCK B
PROPOSED STACKED TOWNHOUSES
3 STOREYS, 24 UNITS

FFE = 133.60

STM MH103
1200Ø P.C.
OPSD 701.010
TOP 131.72
NE INV. 128.49
SW INV. 128.49
NW INV. 128.40

SAN MH105A
1200Ø P.C.
REGION OF PEEL STD 2-5-3
TOP 131.77
NE INV. 127.96

BUILDING STORM COLLECTION SYSTEM. REFER TO MECHANICAL DRAWINGS FOR DETAILS (TYP.)

SAN MH104A
1200Ø P.C.
REGION OF PEEL STD 2-5-3
TOP 131.53
SW INV. 127.53
SE INV. 127.45

PROP
TOWNHOUSES
3 STOREYS, 24 UNITS

133.08

SAN MH102A
1200Ø P.C.
REGION OF PEEL STD 2-5-3
TOP 131.38
NW INV. 127.21
SW INV. 127.21
SE INV. 127.16

150 x 100 REDUCER

SINGLE CHECK VALVE BACKFLOW PREVENTER IN 1800Ø CHAMBER IN ACCORDANCE TO CSA B64.9. CHAMBER TO BE CONSTRUCTED PER REGION OF PEEL STD. 1-3-1A

150mm TRU-FLO COMPOUND METER IN CHAMBER PER REGION OF PEEL STD. 1-4-4. CHAMBER TO BE CONSTRUCTED PER REGION OF PEEL STD. 1-3-1A

APPROX. LOCATION OF HYDRO SERVICE (BY OTHERS)

150Ø PVC DR-18 WATERMAIN SERVICE CONNECTION PER REGION OF PEEL STD 1-8-2

CONNECT PROPOSED 150Ø WATER SERVICE TO EXISTING 200Ø WATERMAIN C/W TAPPING SLEEVE AND VALVE & BOX PER REGION OF PEEL STANDARDS

150Ø PVC DR-18 WATERMAIN SERVICE CONNECTION PER REGION OF PEEL STD 1-8-2

CONNECT PROPOSED 150Ø WATER SERVICE TO EXISTING 300Ø WATERMAIN C/W TAPPING SLEEVE AND VALVE & BOX PER REGION OF PEEL STANDARDS

150mm TRU-FLO COMPOUND METER IN CHAMBER PER REGION OF PEEL STD. 1-4-4. CHAMBER TO BE CONSTRUCTED PER REGION OF PEEL STD. 1-3-1A

SINGLE CHECK VALVE BACKFLOW PREVENTER IN 1800Ø CHAMBER IN ACCORDANCE TO CSA B64.9. CHAMBER TO BE CONSTRUCTED PER REGION OF PEEL STD. 1-3-1A

150 x 100 REDUCER

100Ø PVC DR-18 WATERMAIN

23.6m - 150Ø PVC SDR-35 SAN @ 1.00%

BUILDING WEEPING TILE SYSTEM. REFER TO MECHANICAL DRAWINGS FOR DETAILS (TYP.)

EX. HYDRANT

EX. STM MH116
TOP ±132.60
NW INV. ±128.47
SW INV. ±127.94
NE INV. ±127.91

EX. SAN MH115
TOP ±132.54
SW INV. ±127.74
NW INV. ±127.88
NE INV. ±127.68

SAN MH203A
1200Ø P.C.
REGION OF PEEL STD 2-5-3
TOP 132.40
NE INV. 128.00

42.1m - 150Ø PVC SDR-35 SAN @ 1.00%
42.5m - 150Ø PVC SDR-35 SAN @ 1.00%
13.5m - 200Ø PVC SDR-35 SAN @ 1.00%
13.5m - 200Ø PVC SDR-35 SAN @ 1.00%

SAN MH202A
1200Ø P.C.
REGION OF PEEL STD 2-5-3
TOP 131.89
NW INV. 127.58
SW INV. 127.58
SE INV. 127.53

EX. 600Ø CPP WATERMAIN
EX. ±73.9m - 250Ø PVC SAN @ ±0.62%
EX. ±73.8m - 300Ø PVC SAN @ ±0.75%
EX. ±76.0m - 1050Ø CONC STM @ ±0.50%
EX. ±78.5m - 1050Ø CONC STM @ ±0.50%
EX. 200Ø PVC WATERMAIN

BREAK INTO EXISTING 300Ø SANITARY SEWER AND INSTALL PROPOSED MANHOLE. BENCH MANHOLE TO SUIT PER REGION OF PEEL STD 2-5-20

EX. SAN MH114
TOP ±131.52
SW INV. ±127.22
NE INV. ±127.18

SAN MH201A
1200Ø P.C.
REGION OF PEEL STD 2-5-3
TOP 131.61
NW INV. 127.39
SW INV. ±127.29
NE INV. ±127.29

SAN MH103A
1200Ø P.C.
REGION OF PEEL STD 2-5-3
TOP 131.77
NE INV. 127.64

SAN MH101A
1200Ø P.C.
REGION OF PEEL STD 2-5-3
TOP 131.16
NW INV. 127.02
SW INV. ±126.92
NE INV. ±126.92

BLOOR STREET

Storm Manhole 117 (131.53m)
NE INV 4.02m 1050mm Ø (127.51m) Offset pipe
SW INV 4.00m 1050mm Ø (127.53m) Offset pipe

Sanitary Manhole 115 (132.54m)

Indicated as a 200mm Ø Water main (to be abandoned) from record # 25908-D
No traceable signal wire detected

n from record # 25908-D

LOT 93
LOT 94
LOT 95
LOT 120
LOT 123

WATERMAIN LENGTHS

150mm	35.2m
100mm	233.0m
25mm TYPE K SOFT COPPER	163.5m

BUILDING STORM COLLECTION AND WEEPING TILE SYSTEMS ARE SHOWN SCHEMATICALLY FOR REFERENCE ONLY. REFER TO MECHANICAL DRAWING PREPARED BY CBM GROUP + ASSOCIATES INC. FOR EXACT LOCATION OF STORM AND WEEPING TILE SYSTEMS.

ALL ROOF DOWNSPOUTS SHALL DISCHARGE BELOW GRADE TO THE BUILDING STORM COLLECTION SYSTEM. REFER TO MECHANICAL DRAWINGS PREPARED BY CBM GROUP + ASSOCIATES INC. FOR DETAILS.

THE QUALITY OF PEEL'S DRINKING WATER MUST MEET ALL PROVINCIAL REGULATIONS SET OUT IN THE SAFE DRINKING WATER ACT, 2002. PEEL REGION DOES NOT HAVE JURISDICTION ON PRIVATE PROPERTY; THEREFORE, BACKFLOW PREVENTION MUST BE IN PLACE AT THE PROPERTY LINE. TO ENSURE APPROPRIATE BACKFLOW PREVENTION IS IN PLACE AT THE PROPERTY LINE, ALL WATER SERVICE CONNECTIONS MUST COMPLY WITH PEEL REGIONAL BY-LAWS, THE ONTARIO BUILDING CODE, THE CANADIAN STANDARDS ASSOCIATION, AND NATIONAL FIRE PROTECTION ASSOCIATION STANDARD 24. THE OWNER IS RESPONSIBLE TO ENSURE THE BACKFLOW PREVENTION TYPE IS APPROPRIATE FOR THE TYPE OF HAZARDS ON THE PROPERTY. THIS MAY REQUIRE EXISTING COMBINED WATER LINES TO BE SPLIT INTO SEPARATE DOMESTIC AND FIRE LINES BEFORE THE PROPERTY LINE AS SPECIFIED IN REGIONAL STANDARDS AND ADDITIONAL SPACE BEYOND THE PROPERTY LINE MAY ALSO BE REQUIRED TO ACCOMMODATE THE APPROPRIATE CHAMBER SIZES.

BACKFLOW PREVENTER SHALL CONFORM TO THE LATEST REGION OF PEEL STANDARDS AND O. REG. 350/06 - PART - PLUMBING SECTION 7.6.2.4. CONTRACTOR SHALL CONFIRM THAT THE SINGLE CHECK VALVE BACKFLOW PREVENTER AND OTHRE FITTINGS WILL FIT WITHIN THE CHAMBER PRIOR TO CONSTRUCTION.

REFER TO DRAWING C-105 FOR CROSS-SECTIONS

CONTRACTOR TO FIELD VERIFY THE LOCATION OF ALL EXISTING SERVICES AND REPORT ANY DISCREPANCIES TO THE CONSULTANT PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OPERATIONS

CONTRACTOR TO PROVIDE STAMPED SHOP DRAWINGS FOR THE PROPOSED STORMWATER MANAGEMENT TANK SYSTEMS AND WATERPROOFING (WHERE APPLICABLE) FOR CONSULTANT APPROVAL PRIOR TO CONSTRUCTION

REGION OF PEEL SERVICING NOTES

1. PUBLIC AND PRIVATE SERVICES, APPURTENANCES, MATERIALS AND CONSTRUCTION METHODS MUST COMPLY WITH THE MOST CURRENT REGION OF PEEL STANDARDS AND SPECIFICATIONS, THE LOCAL MUNICIPALITY'S REQUIREMENTS FOR THE ONTARIO BUILDING CODE AND ONTARIO PROVINCIAL STANDARDS. ALL WORKS SHALL ADHERE TO ALL APPLICATION LEGISLATION, INCLUDING REGIONAL BY-LAWS.
2. WATERMAIN AND / OR WATER SERVICE MATERIALS 100 mm (4") AND LARGER MUST BE PVC DR18 CONSTRUCTED AS PER AWWA C900-16. SIZE 50 mm (2") AND SMALLER MUST BE TYPE K SOFT COPPER CONSTRUCTED AS PER ASTM B88-49 OR POLYETHYLENE CONSTRUCTED AS PER AWWA C901 AND CSA B.137.10 (CHOOSE ONLY ONE MATERIAL).
3. WATERMAINS AND / OR WATER SERVICES ARE TO HAVE A MINIMUM COVER OF 1.7 m (5'6") WITH A MINIMUM HORIZONTAL SPACING OF 1.2m (4') FROM THEMSELVES AND ALL OTHER UTILITIES.
4. PROVISIONS FOR FLUSHING WATER LINE PRIOR TO TESTING, ETC. MUST BE PROVIDED WITH AT LEAST A 50 mm (2") OUTLET ON 100 mm (4") AND LARGER LINES. COPPER LINES ARE TO HAVE FLUSHING POINTS AT THE END, THE SAME SIZE AS THE LINE. THEY MUST ALSO BE HOSED OR PIPED TO ALLOW THE WATER TO DRAIN ONTO PARKING LOT OR DOWN A DRAIN. ON FIRE LINES, FLUSHING OUTLET TO BE 100 mm (4") DIAMETER MINIMUM ON A HYDRANT.
5. ALL CURB STOPS TO BE 3.0 m (10') OFF THE FACE OF THE BUILDING UNLESS OTHERWISE NOTED.
6. HYDRANT AND VALVE SET TO REGION STANDARD 1-6-1 DIMENSION A AND B, 0.7 m (2') AND 0.9 m (3') AND TO HAVE A PUMPER NOZZLE.
7. WATERMAINS TO BE INSTALLED TO GRADES AS SHOWN ON APPROVED SITE PLAN. COPY OF GRADE SHEET MUST BE SUPPLIED TO INSPECTOR PRIOR TO COMMENCEMENT OF WORK, WHERE REQUESTED BY INSPECTOR.
8. WATERMAINS MUST HAVE A MINIMUM VERTICAL CLEARANCE OF 0.3m (12") OVER / 0.5 m (20") UNDER SEWERS AND ALL OTHER UTILITIES WHEN CROSSING.
9. ALL PROPOSED WATER PIPING MUST BE ISOLATED FROM EXISTING LINES IN ORDER TO ALLOW INDEPENDENT PRESSURE TESTING AND CHLORINATING FROM EXISTING SYSTEMS.
10. ALL LIVE TAPPING AND OPERATION OF REGION WATER VALVES SHALL BE ARRANGED THROUGH THE REGIONAL INSPECTOR ASSIGNED OR BY CONTACTING THE OPERATIONS AND MAINTENANCE DIVISION.
11. LOCATION OF ALL EXISTING UTILITIES IN THE FIELD TO BE ESTABLISHED BY THE CONTRACTOR.
12. THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE FOR LOCATES, EXPOSING, SUPPORTING AND PROTECTING OF ALL UNDERGROUND AND OVERHEAD UTILITIES AND STRUCTURES EXISTING AT THE TIME OF CONSTRUCTION IN THE AREA OF THEIR WORK. WHETHER SHOWN ON THE PLANS OR NOT AND FOR ALL REPAIRS AND CONSEQUENCES RESULTING FROM DAMAGE TO SAME.
13. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO GIVE 72 HOURS WRITTEN NOTICE TO THE UTILITIES PRIOR TO CROSSING SUCH UTILITIES, FOR THE PURPOSE OF INSPECTION BY THE CONCERNED UTILITY. THIS INSPECTION WILL BE FOR THE DURATION OF THE CONSTRUCTION, WITH THE CONTRACTOR RESPONSIBLE FOR ALL COSTS ARISING FROM SUCH INSPECTION.
14. ALL PROPOSED WATER PIPING MUST BE ISOLATED THROUGH A TEMPORARY CONNECTION THAT SHALL INCLUDE AN APPROPRIATE CROSS-CONNECTION CONTROL DEVICE, CONSISTENT WITH THE DEGREE OF HAZARD, FOR BACKFLOW PREVENTION OF THE ACTIVE DISTRIBUTION SYSTEM, CONFORMING TO REGION OF PEEL STANDARDS 1-7-7 OR 1-7-8.
15. ALL WATER METERS MUST BE INSTALLED IN HEATED AND ACCESSIBLE SPACE.
16. PROPOSALS TO CONNECT TO AN EXISTING SERVICE LATERAL REQUIRES APPROVAL FROM THE REGION OF PEEL INSPECTOR AT CONSTRUCTION STAGE.
17. THE OWNER ACKNOWLEDGES AND AGREES THAT IF THE CONNECTION IS NOT USED WITHIN ONE CALENDAR YEAR FROM THE PRELIMINARY ACCEPTANCE OF WATERMAIN(S), THE REGION MAY REQUIRE THAT WATERMAIN(S) BE CUT AND CAPPED AT THE COST OF THE OWNER. RE-COMMISSIONING OF THE WATERMAIN(S), AS REQUIRED BY LEGISLATION, WILL BE AT THE COST OF THE OWNER.

KEY PLAN LEGEND

NTS

VC	EX. VALVE & CHAMBER
HYD.	EX. HYDRANT
SAN MH	EX. SANITARY MANHOLE
STM MH	EX. STORM MANHOLE
CB	EX. CATCHBASIN
●	SANITARY MANHOLE
○	STORM MANHOLE
□ CB	CATCHBASIN
□□ DCB	DOUBLE CATCHBASIN
⊗ V&B	VALVE AND BOX
H&V	HYDRANT AND VALVE
	LIMIT OF PROPERTY
	UNDERGROUND BUILDING LIMIT
	OVERHEAD BUILDING LIMIT
	CANOPY
	90m HYDRANT COVERAGE OF BUILDING AS PER CITY BY-LAW 1036-81
	RAIN GARDEN
■ AD / ○ RWL	AREA DRAIN / RAINWATER DRAIN

BENCHMARK NOTES:

ELEVATIONS SHOWN HEREON ARE GEODETIC AND ARE REFERRED TO CITY OF MISSISSAUGA BENCH MARK No.698 , HAVING AN ELEVATION =130.356 metres.

ALL DIMENSIONS AND ELEVATIONS ARE IN METRES UNLESS OTHERWISE NOTED.

PIPE SIZES ARE IN MILLIMETRES

No.	REVISIONS	DATE	APPR. BY
3	ISSUED FOR ZBA & S.P.A. SUBMISSION #3	SEP 11/26	D.A.
2	ISSUED FOR 2ND S.P.A. SUBMISSION	JAN 23/26	D.A.
1	ISSUED FOR 1ST S.P.A. SUBMISSION	AUG 14/25	D.A.

CLIENT

CAPREIT APARTMENTS INC.
11 Church Street, Toronto, ON Canada M5E 1W1
Office (416) 861-9404
E-mail hello@capreit.net

PROJECT TITLE

1055 BLOOR STREET MISSISSAUGA, ONTARIO

STACKED RESIDENTIAL TOWNHOUSE RENTAL DEVELOPMENT

CITY FILE NO.: SP 25-49 W3, REGION FILE NO.: C601718

STAMP

LICENSED PROFESSIONAL ENGINEER
T. M. ABIKOYE
100546720
2026-09-11
PROVINCE OF ONTARIO

APPROVED AS TO FORM IN RELIANCE UPON THE PROFESSIONAL SKILL AND ABILITY OF ENVISION CONSULTANTS LTD. AS TO DESIGN AND SPECIFICATION

DIRECTOR OF DEVELOPMENT / TRANSPORTATION ENGINEERING

CONSULTANT

ENVISION CONSULTANTS LTD
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E-mail admin@envisionconsultants.ca

MUNICIPALITY

MISSISSAUGA
Region of Peel working with you

SHEET TITLE

SITE SERVICING PLAN

DESIGNED BY: D.A.	DATE: SEPT 2026	CHECKED BY: A.W.	
DRAWN BY: M.R.	PROJECT No. 25-1018		
SCALES: 1: 250		DRAWING No. C-102a	

FILENAME: C:\Users\SANJAY~1\AppData\Local\Temp\AcPublish_5468\25-1018_SD1-SS1-NT1-ESC1.dwg
PLOTDATE: Sep 11, 2026 - 1:11pm, SanjayGuresh