

Crossing Chart										
Pipe 1					Pipe 2					
Crossing ID	Type	U/S	D/S	Invert Elevation		Type	U/S	D/S	Invert Elevation	Clearance
CROSS01	STM	MH06	MH05	193.24	BOI	SAN	MH2A	MH1A	191.03	2.21
CROSS02	STM	CB03	Structure (312)	193.80	BOI	SAN	MH2A	MH1A	191.03	2.27
CROSS03	STM	MH07	MH06	193.41	BOI	SAN	MH2A	BMH1A	191.01	3.93
CROSS04	STM	CBMH10	MH07	193.61	BOI	SAN	MH2A	MH1A	191.03	2.27
CROSS05	STM	CBMH09	CBMH10	193.73	BOI	SAN	MH2A	MH1A	191.03	2.22
CROSS06	STM	MH08	MH07	194.05	BOI	SAN	MH2A	MH1A	191.03	1.87
CROSS07	STM	CBMH08	MH08	194.67	BOI	SAN	MH2A	MH1A	191.01	2.88
CROSS08	STM	RYCB01	Structure (172)	194.58	BOI	SAN	MH2A	MH1A	191.03	3.8
CROSS09	STM	RYCB02	Structure (174)	193.48	BOI	SAN	MH2A	MH1A	191.03	1.99
CROSS10	STM	MH04	MH03	193.79	BOI	SAN	MH2A	MH1A	191.03	0.57
CROSS11	STM	RYCB03	Structure (176)	193.31	BOI	SAN	MH2A	MH5A	191.49	1.62
CROSS12	STM	MH05	MH04	193.59	BOI	SAN	MH2A	MH1A	191.03	0.84
CROSS13	STM	CB07	MH03	193.53	BOI	SAN	MH2A	MH2A	191.82	1.68
CROSS14	STM	MH06	MH05	193.80	BOI	SAN	MH7A	MH2A	191.77	0.69
CROSS15	STM	MH07	MH06	193.41	BOI	SAN	MH2A	MH2A	192.48	1.04
CROSS16	STM	CB11	MH15	193.35	BOI	SAN	MH15A	MH8A	192.27	1.08
CROSS17	STM	MH08	MH07	193.40	BOI	SAN	MH15A	MH20A	192.58	0.84
CROSS18	STM	MH15	MH14	192.92	BOI	SAN	MH15A	MH11A	192.58	0.34
CROSS19	STM	MH10	MH09	193.52	BOI	SAN	MH15A	MH12A	192.79	1.72
CROSS20	STM	MH19	MH18	193.40	BOI	SAN	MH22A	MH26A	192.57	0.81
CROSS21	STM	RYCB02	Structure (130)	193.44	BOI	SAN	MH22A	MH26A	192.61	1.09
CROSS22	STM	CB54	CBMH13	193.69	BOI	SAN	MH22A	MH26A	191.62	2.07
CROSS23	STM	CB56	CBMH25	193.38	BOI	SAN	MH22A	MH26A	191.52	1.06

GREENSTORM UNDERGROUND DETENTION
 DETENTION VOL. PROVIDED: 1,033m³
 HEIGHT OF SYSTEM (3-4 UNITS): 194.78m
 TOP OF STONE (300mm): 194.48m
 BOTTOM OF CHAMBERS: 192.50m
 BOTTOM OF STONE (100mm): 192.40m
 GROUNDWATER LEVEL (BHI): 192.90m
 MIN. LANDSCAPE ELEV.: 195.70m
 TO BE WRAPPED IN IMPERMEABLE LINER. REFER TO SHOP DRAWINGS FOR ADDITIONAL DETAILS.

KEY PLAN

LEGEND

- EXISTING HYDRANT
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING WATERMAIN
- PROPOSED STORM SEWER AND MH
- PROPOSED CATCHBASIN
- PROPOSED SANITARY SEWER AND MH
- PROPOSED HYDRANT AND VALVE
- PROPOSED VALVE AND BOX
- PROPOSED WATERMAIN
- PROPERTY LINE
- PROPOSED TRENCH DRAIN BY ACO SYSTEMS LTD.
- SANITARY LATERAL
- WATER LATERAL
- STORM LATERAL
- SUMP PUMP AND OUTLET LOCATION DISCHARGING TO GRADE
- PIPE INSULATION
- PERFORATED SUBDRAIN

NOTES:

- REFER TO D-3 FOR A TYPICAL 3-STORY TOWNHOUSE UNIT SERVING LATERAL DETAIL.
- REFER TO D-3 FOR A TYPICAL 2-PLEX UNIT SERVING LATERAL DETAIL.
- WATERMAINS TO HAVE A MINIMUM 1.8m OF COVER BETWEEN THE FINISHED GRADE AND OVERLAP. WATERMAINS TO HAVE A MINIMUM VERTICAL CLEARANCE OF 0.5m ABOVE OR BELOW ANY OTHER UTILITY.
- EACH BLOCK OF UNITS TO HAVE A SUMP PUMP THAT DISCHARGES TO GRADE. THE WATER TO FLOW OVERLAND TO STREETS.
- ALL UNITS TO BE PROVIDED WITH INDIVIDUAL WATER METERS SUPPLIED BY THE CITY OF NIAGARA FALLS AT OWNER'S COST.
- REAR YARD OB. LEADS, TRENCH DRAINS AND STORM PIPES WITHIN 2.0m OF FOUNDATIONS TO BE CONCRETE ENCASED. SEE DRAWING D-2 FOR DETAIL.
- RAINWATER LEADERS TO BE CONNECTED TO SOAKAWAY PITS IN FRONT OF THE RESPECTIVE UNITS.
- REFER TO REMOVALS PLAN ESC-1 FOR FURTHER REMOVAL DETAILS.

NOTE: REFER TO REMOVALS PLAN ESC-1 FOR FURTHER REMOVAL DETAILS.

LEGAL & TOPOGRAPHY

PROVIDED BY: J.D. BARNES
 4318 PORTAGE ROAD UNIT 2,
 NIAGARA FALLS, ON, L2F 6A4
 PHONE: (905) 358-3693

BENCHMARK AND ELEVATION

ELEVATIONS SHOWN HEREON ARE GEODETIC COVD-1928:78 AND ARE DERIVED FROM GNSS OBSERVATIONS AND NATIONAL RESOURCES. CANADA'S GEOID MODEL HT2.0 BEARINGS ARE GRID BEARINGS DERIVED FROM REAL-TIME NETWORK OBSERVATIONS (SMARTNET V6-2014), AND ARE REFERRED TO THE CENTRAL MERIDIAN 81°W OF UTM ZONE 17, NAD83 (CRS2010).

NO.	COMMON ELEMENT CONDO APPLICATION 3770 MONTROSE RD	2025-10-30	BB
15.	RE-ISSUED FOR SERVING PERMIT	2025-10-09	BB
13.	ISSUED FOR MATERIAL ORDERING	2025-09-12	ZS
12.	RE-ISSUED FOR SERVING PERMIT (REVISED)	2025-06-27	ZS
11.	RE-ISSUED FOR SERVING PERMIT	2025-06-10	ZS
10.	REVISED PAVEMENT STRUCTURE	2025-02-07	ZS
9.	WATERMAINS NORTH EAST SIDEWALK	2024-11-27	ZS
8.	ISSUED FOR 4TH DPOC SUBMISSION	2024-09-17	ZS
7.	REVISED FOR DPOC AND SERVING PERMIT	2024-08-22	JY

No. REVISIONS/ISSUED DATE BY CITY

counterpoint ENGINEERING

COUNTERPOINT ENGINEERING INC.
 8395 Jane St., Suite 100, Vaughan, ON L4K 5Y2 Phone 905.326.1404 Fax 905.326.1405

APPLICANT:

CASSONE DWELLINGS (BT) INC.
 1681 LANGSTAFF ROAD, UNIT 1
 VAUGHAN ONTARIO L4K 5T3

SITE LOCATION:

**3770 MONTROSE ROAD
 NIAGARA FALLS
 ONTARIO**

SERVICING PLAN

DESIGNED BY: Z.S.	CHECKED BY: Z.S.	DATE: APRIL 2024
DRAWING BY: S.C.	CHECKED BY: Z.S.	PROJECT NO. 21102
SWM BY: Z.S.	CHECKED BY: Z.S.	DRAWING NO. C-1

SCALE: 0m 10m 20m 30m
 1:500m