



TOPOGRAPHIC PLAN ILLUSTRATING
**PART OF LOT 29
BROKEN FRONT CONCESSION**
(GEOGRAPHIC TOWNSHIP OF WHITBY)
NOW IN THE
TOWN OF WHITBY
REGIONAL MUNICIPALITY OF DURHAM

SCALE 1 : 400
J. D. BARNES LIMITED
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BENCHMARK
ELEVATIONS HEREON ARE GEODETIC AND ARE REFERRED TO TOWN OF WHITBY MUNICIPAL BENCHMARK WOODS, HAVING A PUBLISHED ELEVATION OF 77.488m (CGVD-1928:1978).

SITE BENCHMARK:
TOP NUT OF FIRE HYDRANT LOCATED 35m+/- NORTH OF THE BUILDING.
ELEVATION= 84.58m

NOTES AND LEGEND
BEARINGS ARE GRID AND ARE REFERRED TO UTM ZONE 17, NAD83 (ORIGINAL).
DISTANCES ARE GROUND AND CAN BE CONVERTED TO GRID BY MULTIPLYING BY THE COMBINED SCALE FACTOR OF 0.9999185.
BOUNDARY INFORMATION IS COMPILED FROM EXISTING RECORDS AND HAS NOT BEEN CONFIRMED BY FIELD MEASUREMENTS.

- CB DENOTES CATCHBASIN
- HJB DENOTES HYDRO JUNCTION BOX
- HW DENOTES HANDWELL
- MH DENOTES MANHOLE
- TMH DENOTES TELEPHONE MANHOLE
- LS DENOTES LIGHT STANDARD
- PED DENOTES TELEPHONE PEDESTAL
- H DENOTES FIRE HYDRANT
- WV DENOTES WATER VALVE
- HMH DENOTES HYDRO MANHOLE
- SAN MH DENOTES SANITARY MANHOLE
- STM MH DENOTES STORM MANHOLE
- WMH DENOTES WATER MANHOLE
- SAN DENOTES UNDERGROUND SANITARY SEWER
- STM DENOTES UNDERGROUND STORM SEWER
- W DENOTES UNDERGROUND WATER LINE
- UE DENOTES UNDERGROUND HYDRO LINE
- FO DENOTES UNDERGROUND FIBRE OPTIC LINE
- UC DENOTES UNDERGROUND CABLE LINE
- UT DENOTES UNDERGROUND TELEPHONE LINE
- CT DENOTES CONIFEROUS TREE
- DT DENOTES DECIDUOUS TREE
- BF DENOTES BARRIER-FREE PARKING SPACE

UNDERGROUND UTILITY NOTES
THE UTILITY DATA DEPICTED ON THIS DRAWING WERE ACQUIRED IN ACCORDANCE TO ASCE STANDARD 38-02. THE INFORMATION IS SHOWN BY ATTRIBUTED QUALITY LEVELS WHICH ARE DEFINED AS FOLLOWS:

DATA QUALITY LEVEL			
HIGHEST QUALITY	↑	QUALITY LEVEL A	●
	↑	QUALITY LEVEL B	—
	↑	QUALITY LEVEL C	- - -
LOWEST QUALITY	↑	QUALITY LEVEL D	· · ·

QUALITY LEVEL "D" - INFORMATION DERIVED FROM UTILITY RECORDS OR VERBAL RECOLLECTIONS.
ALL SERVICES ARE QUALITY "D" UNLESS NOTED OTHERWISE.
LEVEL "D" RECORD INFORMATION SHOWN ON THIS PLAN HAVE BEEN PLOTTED APPROXIMATELY AS PER THE RECORDS FOUND AND COULD NOT BE FIELD VERIFIED WITHIN THE SCOPE OF THIS PROJECT. IF FURTHER VERIFICATION IS REQUIRED, IT IS SUGGESTED THAT LEVEL "A" METHODOLOGIES BE EMPLOYED.

QUALITY LEVEL "C" - INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE UTILITY FEATURES AND BY USING PROFESSIONAL JUDGMENT IN CORRELATING THIS INFORMATION TO THE QUALITY "D" INFORMATION OBTAINED.

QUALITY LEVEL "B" - INFORMATION OBTAINED USING GEOPHYSICAL LOCATE TECHNIQUES TO IDENTIFY THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF THE DESIGNATED UTILITIES.

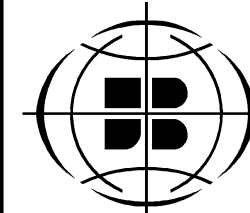
QUALITY LEVEL "A" - INFORMATION OBTAINED BY ACTUAL PHYSICAL EXPOSURE OF TARGETED UTILITIES AND SUBSEQUENT MEASUREMENT OF THE EXPOSED PRECISE HORIZONTAL AND VERTICAL POSITION.

QUALITY LEVEL "D" UTILITY INFORMATION OBTAINED FROM MMM GROUP PROJECT No. 10-16088, OCTOBER 2016, AND T2 UTILITY ENGINEERS PROJECT No. 01000509 AS PROVIDED BY ONTARIO SHORES CENTRE FOR MENTAL HEALTH SCIENCES.

BURIED UTILITY INVESTIGATION AND CHAMBER INVERTS COMPLETED BY ONSITE LOCATES INC. ON NOVEMBER 7, 2018.

CAUTION: CALL BEFORE YOU DIG
THIS PLAN IS INTENDED FOR DESIGN PURPOSES ONLY. OTHER BURIED UTILITIES MAY EXIST WHICH ARE NOT SHOWN DUE TO INSUFFICIENT INFORMATION OR IMPROPER INSTALLATION. CONTACT ALL POTENTIAL OWNERS OF UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION OR BREAKING GROUND. IT IS THE RESPONSIBILITY OF THE CONTRACTOR/BUILDER TO ENSURE THE APPROPRIATE LEGAL REQUIREMENTS ARE MET.

THE FIELDWORK REPRESENTED BY THIS SKETCH WAS COMPLETED ON OCTOBER 18, 2018.



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SEWER INVERT DATA TABLE

MH/CB	DIRECTION	DIAMETER	INVERT	TOP OF LID/GRATE ELEVATION	INVERT ELEVATION
CB#1	W	400	1.34	82.14	80.80
CB#2	N	400	1.40	82.17	80.77
	E	400	1.34		80.83
CB#3	S	300	1.47	82.82	81.35
CB#4	N	300	1.40	82.66	81.26
	SE	450	1.20		81.06
	SW	450	1.60		
CB#5	SW	300	1.28	82.97	81.69
CB#6	NE	300	±2.01	82.84	±80.83
	NW	300	±2.12		±80.72
	SW	300	±N/A		±N/A
CB#7	SE	300	1.99	83.06	81.07
	W	300	1.97		81.09
CB#8	E	300	1.50	83.09	81.59
CB#9	N	600	1.92	83.20	81.28
CB#10	E	±375	±N/A	82.63	±N/A
	SE	525	2.83		79.80
	NW	600	2.87		79.76
CB#11	SE	450	2.51	82.68	80.17
	SW	300	2.20		80.48
	NW	525	2.70		79.98
CB#12	NE	450	2.40	82.74	80.34
	S	375	2.42		80.32
	NW	450	2.43		80.31
CB#13	N	375	2.21	83.04	80.83
	SE	300	2.13		80.91
	W	300	±N/A		±N/A
CB#14	E	300	1.50	83.23	81.73
CB#15	NE	300	2.20	83.32	81.12
	SE	300	2.19		81.13
	NW	300	2.17		81.15
CB#16	NW	300	1.44	83.01	81.57
CB#17	NE	300	1.19	82.96	81.77
CB#18	SE	300	1.51	83.06	81.55
	NW	300	1.74		81.32
CB#19	NE	300	1.53	82.78	81.25
CB#20	SW	300	1.71	82.77	81.06
	NW	300	1.83		80.94
CB#21	SE	300	±375	82.63	80.79
	NW	300	±N/A		±N/A
SAN MH#1	N	100	1.39	83.30	81.91
	E	200	1.42		81.88
	W	100	1.41		81.89
SAN MH#2	SE	200	2.21	83.24	81.03
	W	200	2.20		81.04
SAN MH#3	E	150	1.29	83.57	82.28
	W	150	1.15		82.42
STM MH#1	NE	1200	±N/A	83.40	±N/A
	SE	600	±N/A		±N/A
	SW	1200	±N/A		±N/A
	N/A	4.45			78.92
STM MH#2	S	450	1.81	83.27	81.46
MH#1	COULD NOT OPEN POSSIBLE SAN MH			83.24	N/A
MH#2	OVERSIZED MH; COULD NOT OPEN			83.34	N/A
MH#3	COULD NOT OPEN "STEAM CONDUIT ON LID			83.37	N/A

INFORMATION OBTAINED FROM MMM GROUP PROJECT No. 10-16088 (PRELIMINARY DRAWING) AS PROVIDED BY ONTARIO SHORES CENTRE FOR MENTAL HEALTH SCIENCE. NOT FIELD VERIFIED BY J.D. BARNES LTD. OR ONSITE LOCATES INC. UNLESS OTHERWISE NOTED. MEASUREMENTS COULD NOT BE OBTAINED ***BOC DENOTES BOTTOM OF CHAMBER