

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.

SUBSURFACE UTILITY FIELD WORK WAS COMPLETED ON THE 3RD OF OCTOBER, 2023.

SEWER INVERT NOTE:

SEWER INVERT DEPTHS ARE MANUALLY MEASURED FROM THE LID/GRATE OF THE GIVEN FEATURE.

ANNOTATIONS DISPLAYED AS *ITALICIZED* WITH AN ASTERISK* HAVE BEEN INTERPOLATED FROM RECORDS AND WERE NOT FIELD VERIFIED BY ONSITE LOCATES LTD.

INVERT DEPTH MEASUREMENTS ARE FROM THE ASSUMED BOTTOM OF THE FACILITY STRUCTURE.

DEPTHS ARE NOT SUITABLE FOR EXCAVATION PURPOSES. SEWER NETWORK CONNECTIONS WERE COMPILED WHERE FIELD EVIDENCE COINCIDED WITH AS-BUILT RECORDS

WHERE NO DEPTH INFORMATION COULD BE OBTAINED, UTILITIES ARE ASSUMED TO BE AT STANDARD INSTALLATION DEPTH FOR THE SPECIFIC TYPE OF UTILITY.

THE MOST RELIABLE WAY TO PRECISELY DETERMINE THE HORIZONTAL AND VERTICAL LOCATION OF AN UNDERGROUND UTILITY IS THROUGH PHYSICAL EXPOSURE USING SAFE DIGGING TECHNIQUES (COMMONLY PERFORMED WITH HYDRO VACUUM EXCAVATION)

INVERT DEPTH MEASUREMENTS HEREON ARE PROVIDED IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

SEWER INVERT DATA TABLE

Feature ID	Direction	Diameter (mm)	Invert Depth (m)	Rim/Lid Elevation (m)	Invert Elevation (m)	Notes
CB#1	*W	*300	*2.48	90.69	*88.21	BOC=3.07 m
	S	375	2.80		87.89	
CB#2	N	300	2.30	91.04	88.74	
	E	300	2.33		88.71	
CB#3	S	300	2.52		88.52	
	S	300	1.93	91.57	89.64	
CB#4	W	300	2.16	91.26	89.10	
	N	150	2.10	90.84	88.74	
SAN MH#1	N	100	2.58		88.26	Drop pipe
	S	200	2.60		88.24	

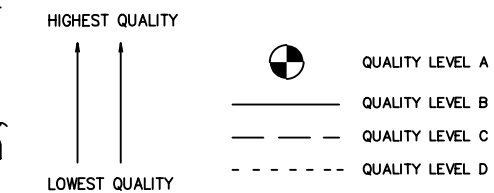
*INFORMATION OBTAINED FROM DURHAM REGION AND CITY OF AJAX NOT FIELD VERIFIED BY ONSITE LOCATES INC.

BOC = BOTTOM OF CHAMBER

UNDERGROUND UTILITY NOTES

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

DATA QUALITY LEVEL



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

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. BY ROGERS TELECOMMUNICATIONS AND DRAWING NUMBER=P23AC24

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.

LOST SIGNAL- DENOTES/INDICATES A POINT WHERE QL-B METHODS COULD NO LONGER ASCERTAIN THE HORIZONTAL POSITION OF A FACILITY.

QUALITY LEVEL "D" INFORMATION COMPILED FROM RECORDS PROVIDED BY CITY OF AJAX 20233918975 AND D00003300 FINLEY & WESTNEY; BY DURHAM REGION F11 2-89-15, AJX-1720, AJX-1739, AJX-1719, AJX-1711, AJX-0818, AJX-0836, BJ DURHAM TRAFFIC LIGHTS, WESTNEY/THE CENTRE/INT AND 20233918975, D00001-ROD-LOCATES-SHEET; BY ELEXCON ENERGY 20233918903 8.5X11- PORTRAIT; BY ENBRIDGE COVER EGD 41673590; BY ROGERS TELECOMMUNICATIONS P-23AC24, 20233918975, 2-; BY 2410 TELECOMMUNICATIONS 20233918903_U AND 20233918975_U; AND BY BELL 20233918975_7_4224.

FOR BEARING COMPARISONS, THE FOLLOWING ROTATIONS ARE APPLIED TO CONVERT TO GRID BEARINGS:	
PLAN	COUNTER-CLOCKWISE ROTATION
P1	118°40"
P2,P3,P5	119°40"
P4	117°50"
P6	120°40"

SURVEYOR'S CERTIFICATE

I CERTIFY THAT:
1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS ACT, THE SURVEYORS ACT AND THE REGULATIONS MADE UNDER THEM.
2. THE SURVEY WAS COMPLETED ON OCTOBER 24, 2023.

NOVEMBER 6, 2023
DATE
BRETT COONS
ONTARIO LAND SURVEYOR
THIS PLAN OF SURVEY RELATES TO AOLS PLAN SUBMISSION FORM NUMBER V-61972

PLAN OF SURVEY SHOWING TOPOGRAPHY OF
PART OF BLOCK 1
REGISTERED PLAN 40M-1308
TOWN OF AJAX
REGIONAL MUNICIPALITY OF DURHAM
SCALE 1 : 300
5 0 5 10 20 metres
J.D. BARNES LIMITED
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METRIC DISTANCES AND/OR COORDINATES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.
BENCHMARK
ELEVATIONS HEREON ARE GEODETIC AND ARE REFERRED TO TOWN OF AJAX BENCHMARK No. 712, HAVING A PUBLISHED ELEVATION OF 85.206m (CGVD-1928:1978).
SITE BENCHMARK:
TOP NUT OF HYDRANT LOCATED ON THE WEST SIDE OF FINLEY AVENUE, APPROXIMATELY 1.4m WEST OF THE EDGE OF CONCRETE SIDEWALK.
ELEVATION= 93.05m
NOTES
BEARINGS ARE UTM GRID, DERIVED FROM OBSERVED REFERENCE POINTS A AND B, BY REAL TIME NETWORK (RTN) OBSERVATIONS, UTM ZONE 17, NAD83 (CSRS) (2010.0).
DISTANCES ARE GROUND AND CAN BE CONVERTED TO GRID BY MULTIPLYING BY THE COMBINED SCALE FACTOR OF 0.999895.
INTEGRATION DATA
OBSERVED REFERENCE POINTS (ORPs): UTM ZONE 17, NAD83 (CSRS) (2010.0).
COORDINATES TO URBAN ACCURACY PER SECTION 14 (2) OF OREG 216/10.

POINT ID	EASTING	NORTHING
ORP (A)	658 576.58	4 854 719.57
ORP (B)	658 684.44	4 854 968.68

COORDINATES CANNOT, IN THEMSELVES, BE USED TO RE-ESTABLISH CORNERS OR BOUNDARIES SHOWN ON THIS PLAN.
THE RESULTANT TIE BETWEEN ORP (A) AND ORP (B) IS 271.49m, N23°2'44"0"E.
LEGEND
■ DENOTES SURVEY MONUMENT FOUND
□ DENOTES SURVEY MONUMENT SET
SIB DENOTES STANDARD IRON BAR
IB DENOTES IRON BAR
PB DENOTES PLASTIC BAR
CC DENOTES CUT CROSS
CP DENOTES CONCRETE PIN
MEAS DENOTES MEASURED
WT DENOTES WITNESS
JDB DENOTES J.D. BARNES LIMITED
1373 DENOTES BENNETT & NORGROVE LIMITED, O.L.S.
P1 DENOTES PLAN 40R-9180
P2 DENOTES REGISTERED PLAN 40M-1308
P3 DENOTES PLAN 40R-6818
P4 DENOTES PLAN OF SURVEY BY BENNETT & NORGROVE LIMITED, O.L.S., DATED OCTOBER 2, 1986 (W.O. 86-209-02)
P5 DENOTES BUILDING LOCATION SURVEY BY BENNETT & NORGROVE LIMITED, O.L.S., DATED DECEMBER 14, 1981 (W.O. 81-130)
P6 DENOTES PLAN 40R-9339
□ CB DENOTES CATCHBASIN
□ DCB DENOTES DOUBLE CATCHBASIN
□ TMH DENOTES TELEPHONE MANHOLE
○ STM MH DENOTES STORM MANHOLE
○ SAN MH DENOTES SANITARY MANHOLE
■ HW DENOTES HANDWELL
• BOL DENOTES BOLLARD
• TL DENOTES TRAFFIC SIGNAL
• TM DENOTES TELEPHONE CABLE MARKER
■ PED DENOTES TELEPHONE PEDESTAL
+ H DENOTES FIRE HYDRANT
+ WV DENOTES WATER VALVE
• GM DENOTES GAS MARKER
BFP DENOTES BARRIER-FREE PARKING SPACE
HT DENOTES HYDRO TRANSFORMER
DS DENOTES DOOR SILL ELEVATION
GS DENOTES GARAGE SILL ELEVATION
- SAN - DENOTES UNDERGROUND SANITARY SEWER
- STM - DENOTES UNDERGROUND STORM SEWER
- G - DENOTES UNDERGROUND GAS LINE
- W - DENOTES UNDERGROUND WATER LINE
- UE - DENOTES UNDERGROUND HYDRO LINE
- UC - DENOTES UNDERGROUND CABLE LINE
- UT - DENOTES UNDERGROUND TELEPHONE LINE
- FO - DENOTES UNDERGROUND FIBRE OPTIC LINE
• DENOTES CONIFEROUS TREE
• DENOTES DECIDUOUS TREE

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DRAWN BY: M.R./B.C. CHECKED BY: B.C. REFERENCE NO.: 23-25-207-00
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