ROBINSON AVENUE

EX. CB

SITE BENCH MARK
TOP OF SPINDLE
ELEVATION=60.42m

EX. COMB. MH24
T/A=58.55
E.INV=54.82
N.INV=52.73±
S.INV=52.73±

~1500mmø SEWER @ 0.50%

CONNECTION TO EX. COMBINED SEWER
STM SERVICE INVERT @ MAIN=54.56
EX. COMBINED SEWER INVERT = 54.25

CONNECTION TO EX. COMBINED SEWER
FOUNDATION SERVICE INVERT @ MAIN=54.56
EX. COMBINED SEWER INVERT = 54.24

EX. 6.2m-300mmø COMBINED @ 3.41%

EX. COMB. MH23
E.INV=54.08
W.INV=54.03

EX. CB

EX. 47.0m-600mmø COMBINED @ 2.82%

EX. CB
T/A=58.13

EX. CB
T/A=58.12

EX. COMB. MH
INV.=52.74±

EX. 8.1m-225mmø COMBINED SEWER @ 0.4%

EX. 10.8m-1500mmø COMBINED @ 0.1%

EX. 89.5m-1500mmø COMBINED @ 2.8%

EX. 89.5m-225mmø COMBINED @ 5.8%

EX. COMB. MH
W.INV=56.86±
E.INV=56.74±

EX. CB
T/A=59.59

CONNECT TO EX. 225mmø
COMBINED SEWER
INV=56.89

5.7m-200mmø
CB LEAD @ 1.0% (MIN)

CB1
T/G=59.05
N.INV=57.55
S.INV=57.

18.2m-250mmø
SUBDRAIN @ 0.5

APPROXIMATE LOCATION OF
CISTERN OVERFLOW CB

TRENCH DRAIN TO BE
SPECIFIED BY MECHANICAL SYSTEM

APPROXIMATE CISTERN LOCATION
100-YEAR RELEASE RATE=5.7L/s
100-YEAR STORAGE=62.7m³

6.2m – 150mmø STM SERVICE @ 1.0%
INV AT BLDG=54.62
EQUIPPED WITH BACKWATER VALVE

6.2m – 150mmø FOUNDATION DRAIN @ 1.0%
INV AT BLDG=54.62
EQUIPPED WITH BACKWATER VALVE

OF
U/G PARKING

PROP. BLDG
F.F.E.=58.92
U.S.F.=49.95

| U1 |
|---|
| 0.016 |
| 0.014 \| 0.002 |
| 0.27 |

| BLDG |
|---|
| 0.149 |
| 0.005 \| 0.144 |
| 0.88 |

| U2 |
|---|
| 0.023 |
| 0.020 \| 0.003 |
| 0.29 |

LINE OF BLDG ABOVE

CB "I"
T/G=59.40
INV=58.00

EXTENT OF
U/G PARKING

| EX1 |
|---|
| 0.091 |
| 0.059 \| 0.033 |
| 0.45 |

15.0m-250mmø
SUBDRAIN @ 0.50%

CB "I"
T/G=59.67
INV=58.07

21.0m-250mmø
SUBDRAIN @ 0.50%

EXTENT OF U/G PARKING

CB "I"
T/G=59.46
INV=57.89

1.5m-250mmø
SUBDRAIN @ 0.50%

13.6m-250mmø
SUBDRAIN @ 0.50%

CB "I"
T/G=59.50
INV=58.18

CB "I"
T/G=59.35
INV=58.26

16.8m-250mmø
SUBDRAIN @ 0.50%

CB 'L'
T/G=59.04
INV=58.34

| EX2 |
|---|
| 0.115 |
| 0.074 \| 0.041 |
| 0.45 |

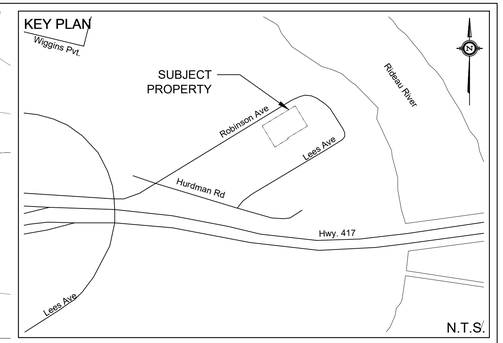
61.00

60.00

59.00

00.09

KEY PLAN




LEGEND

| | |
|---|---|
| 101 | DRAINAGE AREA ID |
| 1.000 | AREA IN Ha |
| 0.500 \| 0.500 | PERVIOUS AREA IN Ha / IMPERVIOUS AREA IN Ha |
| 0.55 | RATIONAL METHOD RUNOFF COEFFICIENT |

- PROPERTY LINE
- PROPOSED STORM SEWER
- DRAINAGE DIVIDE
- PROPOSED SWALE
- PROPOSED PERFORATED SUBDRAIN
- PROPOSED STORM MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED CB "I"
- EMERGENCY FLOW ROUTE

## NOT FOR CONSTRUCTION

### TOPOGRAPHIC INFORMATION
TOPOGRAPHIC INFORMATION PROVIDED BY ANNIS, O'SULLIVAN, VOLLEBEK LTD.
PROJ. NO. 18072-18
DATED JANUARY 9, 2019

### SITE PLAN INFORMATION
SITE PLAN PROVIDED BY HOBIN ARCHITECTURE
PROJ. NO. 1834
DATED APRIL 20, 2020

### GEOTECHNICAL STUDY
GEOTECHNICAL RECOMMENDATIONS PROVIDED BY GHD
PROJ. NO. 11186719
DATED MARCH 2019

### SITE SERVICING AND STORMWATER MANAGEMENT STUDY
SERVICING AND STORMWATER MANAGEMENT RECOMMENDATIONS PROVIDED BY DSEL
PROJ. NO. 18-1078
DATED JANUARY 2020

### BENCH MARK
LOCATED NORTH WEST OF SITE AT ROBINSON AVENUE
ELEV= 60.42 m

| No. | BY | YY.MM.DD | DESCRIPTION |
|---|---|---|---|
| 5 | B.N.C. | 20.04.24 | UPDATED PER REVISED SITE PLAN |
| 4 | A.A.S. | 20.01.10 | ISSUED FOR MUNICIPAL APPROVAL |
| 3 | A.A.S. | 19.11.28 | ISSUED FOR MUNICIPAL APPROVAL |
| 2 | A.A.S. | 19.08.01 | 2ND SUBMISSION |
| 1 | G.G.M. | 19.03.08 | 1ST SUBMISSION |

PROJECT No.18-1078

LICENSED PROFESSIONAL ENGINEER
A. D. FORBERT
100090526
2020-04-24
PROVINCE OF ONTARIO
Job 18-1078

# STORMWATER MANAGEMENT PLAN
# 36 ROBINSON AVENUE

© DSEL

ROBINSON VILLAGE LP IV LIMITED PARTNERSHIP
C/O TC UNITED DEVELOPMENT CORPORATION

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david schaeffer engineering ltd
SMART SUBDIVISIONS™

120 Iber Road Unit 103
Stittsville, Ontario, K2S 1E9
Tel. (613) 836-0856
Fax. (613) 836-7183
www.DSEL.ca

| | | | | | |
|---|---|---|---|---|---|
| DRAWN BY: | A.W.T. | CHECKED BY: | B.N.C. | DRAWING NO. | SHEET NO. |
| DESIGNED BY: | S.L.M. | CHECKED BY: | R.D.F. | SWM-1 | 1 of 1 |
| SCALE: | 1: 200 | DATE: | MARCH 2019 | | |

CITY PLAN No.: 17908
CITY FILE No.: D07-12-19-0044

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