SUBJECT TO SEPARATE APPLICATION
D07-16-19-0005

(SWM POND)

BH 20-19
100.24

TP 58
102.31

3:1 SLOPE

Ex. EDGE OF TREES

Ex. BOS

Ex. TOS

FUT. CONCRETE HEADWALL (B.O.)

1.8m-250mmø CB LEAD @ 1.0% (MIN)

CONNECT TO STM
STM INV=99.47
CB LEAD INV=99.61

CONNECT TO STM
STM INV=99.65
CB LEAD INV=99.79

CB9
T/L=102.15
N.INV=100.65

CB10
T/L=102.15
N.INV=100.65

CONNECT TO STM
STM INV=99.55
CB LEAD INV=99.69

CB11
T/L=102.15
N.INV=100.65

STM MH203 (1500)
T/L=102.25
W.INV=99.46
S.INV=99.40

CONNECT TO STM
STM INV=99.35
CB LEAD INV=99.49

31.7m-525mmø STM @ 0.2%

128.9m-450mmø ROOF AND FND @ 1.0% (MIN)
MIN INV @ BLDG=100.47±

TP 63
102.13

TP 46
102.74

TP 47
101.19

TP 71
101.32

TP 72
101.92

TP 60
102.04

TP 61
101.76

TP 33
103.94

TP 73
102.39

TP 66
103.08

TP 48
102.61

TP 58
102.31

TP 59
103.81

TP 64
103.81

TP 65
102.82

TP 14
100.63

TP 69
102.88

TP 12
103.85

TP 49
103.49

TP 50
103.62

TP 67
103.88

TP 55
103.31

PHASE II
PHASE I

Ex. PILE

CB13
T/L=102.16
W.INV=100.66

STM MH102 (1500)
T/L=102.17
S.INV=99.12
N.INV=99.34
E.INV=99.06

STM OGS
W.INV=99.05
E.INV=99.02

1.5m-600mmø
STM @ 0.7%

FND CROSSING STM
FND INV=100.11
STM OBV=100.37

BH 12-19
105.09
(87.79)

BH 13-19
105.43

17.0m-250mmø CB LEAD @ 1.0% (MIN)

CONNECT TO STM
STM INV=99.22
CB LEAD INV=99.36

CB7
T/L=101.86
N.INV=100.36

BH 15-19
105.02

134.9m-525mmø STM @ 0.32%

BH19-19
104.14
(81.99)

17.0m-250mmø CB LEAD @ 1.0% (MIN)

CONNECT TO STM
STM INV=99.36
CB LEAD INV=99.50

CB6
T/L=101.86
N.INV=100.36

WTR CROSSING STM PER
CITY STD. W25
WTR INV=100.24
STM.OBV=99.99

BH14-19 104.42

120.4m PVC FORCEMAIN PER PH3959-8
MIN COVER OF 1.8m OVER FORCEMAIN

67.8m-WTR PER LOWE FIRE PROTECTION DESIGN
UNDERGROUND SUPPLY FROM PUMP HOUSE

PHASE I PUMP STATION
PER PATERSON GROUP
DESIGN (PH3959-8)

101.2m DOMESTIC WTR
INV @ BLDG=100.2±

CONNECT TO STM
STM INV=99.50
CB LEAD INV=99.64

SAN CROSSING STM
SAN OBV=99.15
STM.INV=99.45

STM MH101 (1500)
T/L=102.09
W.INV=99.61
N.INV=99.55

CB5
T/L=102.00
N.INV=100.50

4.3m-250mmø CB
LEAD @ 1.0% (MIN)

FIRE PUMP HOUSE PER LOWE FIRE
PROTECTION DESIGN

CB15
T/L=101.86
N.INV=100.36

BH 9-19 104.25

7.3m WTR PER LOWE FIRE
PROTECTION DESIGN

TP 45
104.14

BH 10-19
104.36
(92.19)

FIRE PROTECTION RESERVOIR (DESIGN
BY OTHERS)

CD LEAD CROSSING WTR
WTR.OBV=99.46
STM.INV=100.11

TP 11
105.18

EXISTING WELL

19.6m-500mmø CULVERT @
0.3% PER CITY STD. S26
FROST TAPERS PER OPSD
803.031
US.INV=100.84
DS.INV=100.78

BLOCK 194
(0.30m RESERVE)

TP 54
102.82

TP 51
103.92

18.0m-250mmø CB
LEAD @ 1.0% (MIN)

CONNECT TO STM
STM INV=99.69
CB LEAD INV=99.83

CONNECT TO STM
STM INV=99.64
CB LEAD INV=99.78

TP 52
104.14

BH 11-19
104.17
(92.18)

113.9m-525mmø STM @ 0.2%

TP 7
103.80

CONNECT TO STM
STM INV=99.76
CB LEAD INV=99.90

12.2m-200mmø CB
LEAD @ 1.0% (MIN)

12.2m-200mmø CB
LEAD @ 1.0% (MIN)

STM MH100 (1200)
T/L=102.10
W.INV=99.87
E.INV=99.84

CB1
T/L=101.86
N.INV=100.36

CB2
T/L=101.86
N.INV=100.36

CB3
T/L=101.86
N.INV=100.36

CB4
T/L=101.86
N.INV=100.36

Ex. BUILDING

Ex. HP

Ex. BOTTOM OF DITCH

Ex. TOP OF DITCH

10.6m-300mmø STM @ 1.0%

STM MH204 (1500)
S.INV=98.45
E.INV=98.47
N.INV=98.44

26.3m-300mmø STM @ 0.2%

87.9m-600mmø STM @ 0.6%

TP 36
16.9m-250mmø CB
LEAD @ 1.0% (MIN)
CB8
T/L=101.86
N.INV=100.36

FUT. 1200ø
CONC STM (B.O.)

TP 40
106.46

TP 38
106.11

HEADWALL PER OPSD 804.030
INV=98.50

HEADWALL PER OPSD 804.030
INV=97.50

POTENTIAL AREA FOR
INFILTRATION PER
GEOTECHNICAL MEMO
(PG5155-MEMO.02)

MODIFIED STORAGE AREA
25mm STORM EVENT
(INFILTRATION)=2000m³
AVAILABLE VOLUME=1923m³
BOTTOM OF POND=97.80
3:1 SIDE SLOPES
ORIFICE INV=98.50

BH 16-19
105.31
(83.75)

TP 39
105.29

PHASE II SEPTIC FIELD PER
PATERSON GROUP, DESIGN
(PH3959-8)

PHASE II FORCEMAINS

18,500 L(min) PRECAST BIOFILTER
TREATMENT TANK
TOP OF TANK ELEV=101.34m
REFER TO PH3959-8 FOR DETAILS

18,500 L(min) PRECAST
PRETREATMENT TANK
TOP OF TANK ELEV=101.39m
INLET INV=101.08m
OUTLET INV=101.03m
REFER TO PH3959-8 FOR DETAILS

3m-100mmø PVC SAN @
2.0% (MIN)

TP 43
104.57

PHASE I 50mmø FORCEMAIN
TO DISTRIBUTION BOX PER
PH3959-8

PHASE I SEPTIC FIELD PER
PATERSON GROUP DESIGN
(PH3959-8)

3m-100mmø PVC SAN @
2.0% (MIN)

PHASE II SEPTIC FIELD PER
PATERSON GROUP DESIGN
(PH3959-8)

TP 44
105.15

TP 41
105.10

TP 25
106.40

TP 37
105.16

BLOCK 196 (ROAD ALLOWANCE)
22500 CONC STM 134.5 @ 0.10%

2008 PVC SAN 65.0 @ 0.65%

TEMPORARY DEAD END

Expansion Road

BLOCK 193
(FUTURE RESIDENTIAL)

18" BEND

1650ø CONC STM 37.0 @ 0.10%
2000 PVC SAN
39.5 @ 0.35%

2250ø CONC STM 56.0 @ 0.10%
2400 PVC SAN 51.0 @ 0.35%

2250ø CONC STM 134.5 @ 0.10%
2400 PVC SAN 134.5 @ 0.35%

2250ø CONC STM 41.0 @ 0.10%
2400 PVC SAN 41.0 @ 0.35%

200ø PVC SAN 11.0 @ 0.50%

200ø PVC SAN 8.0 @ 0.50%

TEMPORARY DEAD END

3000ø PVC STM
10.0 @ 0.60%

1500ø CONC STM 77.0 @ 0.15%

200ø PVC SAN 63.5 @ 0.35%

3000ø PVC STM 8.0 @ 0.50%

200ø PVC SAN 15.5 @ 0.35%

1500ø CONC STM 19.0 @ 0.20%

2000 PVC SAN 9.5 @ 0.35%

1500ø CONC STM 81.0 @ 0.15%
200ø PVC SAN 81.5 @ 0.35%

450ø CONC STM 9.0 @ 0.60%

EDGE OF PAVEMENT

(FUTURE ROADWAY)

R=73.50
R=20.00
R=66.50
R=70.00

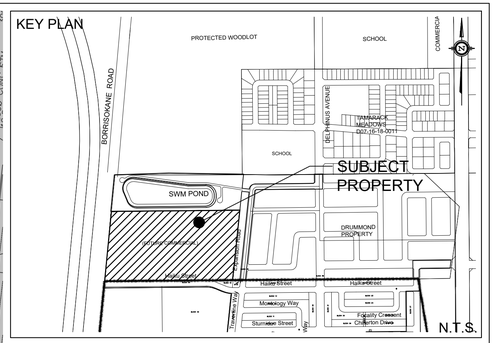
SERVICING WITHIN ROW SUBJECT TO
PSA EXTENSION APPROVAL

SUBJECT TO SEPARATE APPLICATION
D07-16-19-0005

REFER TO SERVICING PLAN - PHASE II (SSP-3)

BLDG A
=103.00

KEY PLAN



LEGEND

- PROPERTY LINE
- PROPOSED WATERMAIN
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED PERFORATED SUBDRAIN
- VB PROPOSED VALVE BOX
- PROPOSED FIRE HYDRANT
- PROPOSED SIAMESE CONNECTION
- RM PROPOSED REMOTE WATER METER
- M PROPOSED WATER METER
- PROPOSED STORM MANHOLE
- PROPOSED SANITARY MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED CB "I" OR CB "L"

EXISTING UNDERGROUND SERVICES AND UTILITY LOCATIONS DERIVED FROM THE BEST AVAILABLE DATA, AS-CONSTRUCTED DRAWINGS, UTILITY DRAWINGS AND INFRASTRUCTURE MAPPING PROVIDED BY THE CITY OF OTTAWA.

CONTRACTOR TO CONFIRM ELEVATIONS AND LOCATIONS OF EXISTING UNDERGROUND SERVICES AND UTILITIES WITHIN THE RIGHT OF WAY PRIOR TO INSTALLATION OF SITE SERVICING INFRASTRUCTURE.

THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES, TO PROVIDE FOR PROTECTION OF THE AREA DRAINAGE SYSTEM AND THE RECEIVING WATERCOURSE, DURING CONSTRUCTION ACTIVITIES. THE CONTRACTOR ACKNOWLEDGES THAT THE FAILURE TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.

NOT FOR CONSTRUCTION

TOPOGRAPHIC INFORMATION
TOPOGRAPHIC INFORMATION PROVIDED BY J.D. BARNES LIMITED
PROJ. NO. 18-10-145-00
DATED JULY 10, 2019

SITE PLAN INFORMATION
SITE PLAN PROVIDED BY
PROJ. NO. FIGURR COLLECTIF D'ARCHITECTES
DATED APRIL 17, 2020

GEOTECHNICAL STUDY
GEOTECHNICAL RECOMMENDATIONS PROVIDED BY PATERSON GROUP
PROJ. NO. PG5155-1
DATED FEBRUARY 10, 2020

SITE SERVICING AND STORMWATER MANAGEMENT STUDY
SERVICING AND STORMWATER MANAGEMENT RECOMMENDATIONS PROVIDED BY DSEL
PROJ. NO. 19-1134
DATED APRIL 2020

BENCH MARK
LOCATION: CONCRETE ROAD BRIDGE OVER JOCK RIVER (N45°15'39, w75°44'06)
ELEVATIONS SHOWN ON THIS PLAN ARE RELATED TO GEODETIC DATUM AND ARE DERIVED FROM THE MUNICIPALITY BENCHMARK No. 001196403710 HAVING A PUBLISHED ELEVATION OF 91.724 METERS

No.	BY	YY.MM.DD	DESCRIPTION
2	A.J.G.	20.04.24	ISSUED FOR MUNICIPAL REVIEW
1	A.J.T.	20.01.15	ISSUED FOR MUNICIPAL REVIEW

PROJECT No. 19-1134

LICENSED PROFESSIONAL ENGINEER
A. D. FOBERT
100090525
2020-04-24
PROVINCE OF ONTARIO

SITE SERVICING PLAN - PHASE II
3713 BORRISOKANE ROAD

© DSEL

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www.DSEL.ca

DRAWN BY:	A.J.G.	CHECKED BY:	R.D.F.	DRAWING NO.	SHEET NO.
DESIGNED BY:	B.N.C.	CHECKED BY:	S.J.P.	SSP-4	7 of 11
SCALE:	1:500	DATE:	DECEMBER 2019		

CITY PLAN No.: #18112
CITY FILE No.: D07-12-20-0002

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