5m

0 1:250 25m

SIZE, DEPTH AND LOCATION OF EXISTING SERVICES, UTILITIES AND STRUCTURES AS INDICATED ARE FOR GUIDANCE ONLY. ALL EXISTING SERVICES, UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON PLANS AND THOSE SHOWN ARE DERIVED FROM AVAILABLE INFORMATION AND MUST BE CONFIRMED ON SITE. UNDERGROUND LOCATES SHALL BE CONDUCTED PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION. CONFIRM LOCATIONS OF BURIED SERVICES AND UTILITIES BY CAREFUL TEST EXCAVATIONS AND REPORT ANY DIFFERENCES TO THE ENGINEER.

BATEMAN DRIVE

GREENBANK ROAD

ZONE I B

EXISTING 400 DI WM (APPROXIMATE LOCATION)

EXISTING 600 CONC ST (APPROXIMATE LOCATION)

EXISTING 200 DI WM (APPROXIMATE LOCATION)

EXISTING 300 CONC ST (APPROXIMATE LOCATION)

EXISTING 900 CONC ST (APPROXIMATE LOCATION)

EXISTING 675 CONC ST (APPROXIMATE LOCATION)

EXISTING 200 DI WM (APPROXIMATE LOCATION)

EXISTING 400 DI WM (APPROXIMATE LOCATION)

EXISTING 250 DI WM (APPROXIMATE LOCATION)

EXISTING ST (APPROXIMATE LOCATION)

EXISTING SAN (APPROXIMATE LOCATION)

EXIST. CB TOP 92.58

EXIST. MH-TRAFFIC TOP 92.78

EXIST. ST MH (APPROXIMATE LOCATION)

EXIST. CB (APPROXIMATE LOCATION)

VB (APPROXIMATE LOCATION)

FH (APPROXIMATE LOCATION)

Site Benchmark
Fire Hydrant
(Top of Spindle)
Elevation=93.63

EXIST. CB TOP 92.92

EXIST. CB TOP 92.40

EXIST. CB TOP 93.28

No. 205
Brick Sided Building
Woodvale Pentecostal Church
(Foundation Noted)

EXISTING BRICK BUILDING
No. 205

PART 4 PLAN 4R – 1796
(TOGETHER WITH RIGHTS–OF–WAY PER INST. No. CR485759)
SUBJECT TO EASEMENT PER INST. No. OC1987935
PIN 04651 – 0007

NORTH HALF LOT 31 CONCESSION 2 (RIDEAU FRONT)

PROPOSED
2 STOREY ADDITION

FFL = 93.02
TOF = 93.17
USF = 90.80

HIGHER ROOF OF SECOND LEVEL

CONNECT PROPOSED STORM SEWER TO EXISTING MANHOLE. MACHINE CORE DRILL NEW OPENING INTO MANHOLE. MAINTAIN STRUCTURAL INTEGRITY OF MANHOLE AND MAKE WATERTIGHT CONNECTION. SEAL EXISTING INLET OPENING. MAKE WATERTIGHT.

45° VERTICAL LONG RADIUS BEND INV 90.72

5.7m – 150 PVC SAN @ 2%

4.4m – 150 PVC ST @ 2%
(FOUNDATION DRAINS ONLY)

SAN INV 90.77
ST INV 90.60

45° LONG RADIUS BEND

SOLENO SOLFLO MAX 450 HDPE ST

6 – SOLENO HYDROSTOR HS75 CHAMBERS

EXIST. SAN MH TOP 93.62 INV ±87.05(E)

REPLACEMENT 6m EASEMENT

51.6m – 250 PVC ST @ 0.43%

150 ST INV 90.51
250 ST SPL 90.51

250 ST INV 90.38
150 SAN TOP 87.74
150 SAN INV 87.59
150 SAN TOP ±87.59

EXIST. 150 PVC SAN

REMOVE EXISTING INLET CONTROL DEVICE

EXIST. MH–A TOP 92.42 INV 91.31(W) INV ±90.30(E)

EXISTING 375 PVC ST @ ±0.7%

EXISTING 375 PVC SAN @ ±0.12%

EXISTING 375 PVC SAN @ ±0.32%

RELOCATE UTILITIES AROUND CHAMBERS

3m–150 PERFORATED SUBDRAIN (TYPICAL)

CB/MH–1
TOP 92.68
INV 90.53(E)
INV 91.08(W)
ICD IN OUTLET PIPE
HYDROVEX VHV–1
6.00L/s @ 2.23m

EXIST. SAN MH TOP 92.50
INV ±87.31(N)
INV ±87.14(E)
INV ±87.12(W)

SOUTH HALF LOT 31 CONCESSION 2 (RIDEAU FRONT)

PART 1 PLAN 4R – 10883
PIN 04651 – 0242

Fin.Fl=93.17

FDC

SOLENO SOLFLO MAX 450 HDPE ST

18 – SOLENO HYDROSTOR HS75 CHAMBERS

MH–3
TOP 92.48
INV 90.65(E)
INV 90.65(S)

SOLENO SOLFLO MAX 9.4m–450 HDPE @ 0.20%

450 ST INV 90.64
150 WM
TOP ±89.93

CONNECT PROPOSED STORM SEWER TO EXISTING MANHOLE. MACHINE CORE DRILL NEW OPENING INTO MANHOLE. MAINTAIN STRUCTURAL INTEGRITY OF MANHOLE AND MAKE WATERTIGHT CONNECTION.

REMOVE EXISTING CATCH–BASIN AND INLET CONTROL DEVICE. INSTALL NEW CATCH–BASIN/MANHOLE AND ICD.

EXISTING 250 PVC ST

EXISTING 375 PVC ST @ ±1.9%

3.5m – 250 PVC ST @ 2%

CB–4
TOP 92.36
INV 90.29

EXIST. MH–B
TOP 92.16
INV ±90.16(W)
INV 90.22(S)

CB/MH–2
TOP 92.06
INV 90.63(N)
INV 90.10(S)
ICD AT OUTLET PIPE
SLIDING PLATE STYLE
27.68 L/s @ 2.21m
(±94mm DIA.)
ORIFICE LOCATED AT
BOTTOM OF PLATE

MH–3A
TOP ±92.66
INV 90.65

EXIST. 150 PVC WM (APPROX. LOCATION)

EXIST. SAN MH TOP 92.60 INV ±87.40(W)

EXIST. ST MH (APPROXIMATE LOCATION) TOP ±92.77

EXIST. ST MH (APPROXIMATE LOCATION) TOP ±92.65

PART 6 PLAN 4R–1796

PART 8 PLAN 4R–1796

PART 9 PLAN 4R–1796

PART 19 PLAN 5R–5723

PART 20 PLAN 5R–5723

PLAN 5R–7611

PART 1 EXPROPRIATION PLAN NS140000

PART 2 PLAN 5R–5723

PART 3 PLAN 5R–5723

PART 4 PLAN 5R–5723

PART 5 PLAN 5R–5723

PART 6 PLAN 5R–5723

PART 7 PLAN 5R–5723

PART 8 PLAN 5R–5723

PART 9 PLAN 5R–5723

PART 10 PLAN 5R–5723

PART 11 PLAN 5R–5723

PART 12 PLAN 5R–5723

PART 13 PLAN 5R–5723

PART 14 PLAN 5R–5723

PART 15 PLAN 5R–5723

PART 16 PLAN 5R–5723

PART 17 PLAN 5R–5723

PART 18 PLAN 5R–5723

PART 1 PLAN 5R–5723

PART 2 PLAN 5R–5723

PART 3 PLAN 5R–5723

PART 4 PLAN 5R–5723

PART 5 PLAN 5R–5723

PART 6 PLAN 5R–5723

PART 7 PLAN 5R–5723

PART 8 PLAN 5R–5723

PART 9 PLAN 5R–5723

PART 10 PLAN 5R–5723

PART 11 PLAN 5R–5723

PART 12 PLAN 5R–5723

PART 13 PLAN 5R–5723

PART 14 PLAN 5R–5723

PART 15 PLAN 5R–5723

PART 16 PLAN 5R–5723

PART 17 PLAN 5R–5723

PART 18 PLAN 5R–5723

PART 19 PLAN 5R–5723

PART 20 PLAN 5R–5723

PART 1 PLAN 5R–5723

PART 2 PLAN 5R–5723

PART 3 PLAN 5R–5723

PART 4 PLAN 5R–5723

PART 5 PLAN 5R–5723

PART 6 PLAN 5R–5723

PART 7 PLAN 5R–5723

PART 8 PLAN 5R–5723

PART 9 PLAN 5R–5723

PART 10 PLAN 5R–5723

PART 11 PLAN 5R–5723

PART 12 PLAN 5R–5723

PART 13 PLAN 5R–5723

PART 14 PLAN 5R–5723

PART 15 PLAN 5R–5723

PART 16 PLAN 5R–5723

PART 17 PLAN 5R–5723

PART 18 PLAN 5R–5723

PART 19 PLAN 5R–5723

PART 20 PLAN 5R–5723

APPROVED
By Kersten Nitsche at 2:18 pm, Jun 11, 2024

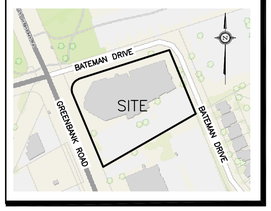
KERSTEN NITSCHE, MCIP RPP
MANAGER (A), DEVELOPMENT REVIEW WEST
PLANNING, DEVELOPMENT AND BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

REFER TO NOTES, DETAILS & SCHEDULES ON DRAWINGS C–5 & C–6

LEGEND

CB	CATCH–BASIN
MH	STORM MANHOLE
CB/MH	CATCH–BASIN/MANHOLE
MH	SANITARY MANHOLE
VC	VALVE CHAMBER
VB	VALVE & VALVE BOX
FH	FIRE HYDRANT
FDC	FIRE DEPARTMENT CONNECTION
SAN	SANITARY SEWER
ST	STORM SEWER
WS/WM	WATER SERVICE/WATERMAIN
SPL	SPRINGLINE OF PIPE
INV	INVERT OF PIPE
FFL	FINISHED FLOOR ELEVATION
TOF	TOP OF FOUNDATION
BFL	BASEMENT FLOOR ELEVATION
USF	UNDERSIDE OF FOOTING
	PROPERTY LINE
	150mm BARRIER CURB
D.C	DEPRESSED CURB

KEY PLAN



No.	DATE	REVISION
8	APR 1–24	RE–ISSUED FOR APPROVAL
7	MAR 8–24	ISSUED FOR TENDER
6	MAR 5–24	RE–ISSUED FOR APPROVAL
5	JAN 2–24	RE–ISSUED FOR APPROVAL
4	DEC 4–23	RE–ISSUED FOR APPROVAL
3	AUG 31–23	ISSUED FOR APPROVAL
2	JUL 20–23	ISSUED FOR COORDINATION
1	JAN 28–22	ISSUED FOR COORDINATION

D. B. GRAY ENGINEERING INC.
Stormwater Management · Grading & Drainage · Storm & Sanitary Sewers · Watermains
700 Long Point Circle 613-425-8044
Ottawa, Ontario d.gray@dbgrayengineering.com

Project

PROPOSED
WOODVALE PENTECOSTAL
CHURCH ADDITION,
205 GREENBANK ROAD
OTTAWA, ONTARIO

Drawing Title

SITE SERVICING PLAN

Engineer's Seal

LICENSED PROFESSIONAL ENGINEER
D.B. GRAY
17016502
APR 1–24
PROVINCE OF ONTARIO

NOT VALID UNLESS SIGNED & DATED

Drawn	D.B.G
H. Scale	1:250
V. Scale	
Date	JAN 28–22
Job No.	20121

Drawing No.

C–1
of 7