REFER TO NOTES, DETAILS & SCHEDULES ON DRAWINGS C-4 & C-5

LADY PELLATT

JOHN SEVIGNY C.E.T.
MANAGER (A), DEVELOPMENT REVIEW EAST
PLANNING, DEVELOPMENT & BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

APPROVED
By sevignyjo at 2:10 pm, May 22, 2024

5m
0m
25m

NOELLA LECLAIR WAY

EXIST. ST MH
TOP ±88.64
INV ±83.48(SE)
INV ±83.23(NE)
INV ±83.17(NW)

EXIST. SAN MH
TOP ±88.72
INV ±84.62(NW)
INV ±84.55(NE)

EXISTING 1200 CONC ST @ ±0.30%
EXISTING 375 PVC SAN @ ±0.18%
EXISTING 200 PVC WM
EXISTING 300 PVC WM
EXISTING 200 PVC WM
EXISTING 825 CONC ST @ ±0.31%

APPROXIMATE EXTENT OF ROAD CUT REINSTATEMENT IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. R10

EXIST. CB
TOP 88.33
INV ±86.95

EXISTING 1050 CONC ST @ ±0.16%
45° VERTICAL BEND
EXISTING 375 PVC SAN @ ±0.19%

EXIST. ST MH
TOP ±88.41
INV ±83.39(NE)
INV ±83.35(SW)

EXIST. SAN MH
TOP ±88.46
INV ±84.41(SW)
INV ±84.39(NE)

APPROXIMATE EXTENT OF ROAD CUT REINSTATEMENT IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. R10

EXIST. CB
TOP 88.16
INV ±86.78

22.5° VERTICAL BEND
45° VERTICAL BEND

EXISTING 300 PVC WM

EXIST. ST MH
(±35m NE)
TOP ±88.26
INV ±83.64(E)
INV ±83.57(SW)

EXISTING 1050 CONC ST @ ±0.32%
EXISTING 375 PVC SAN @ ±0.21%

A+00.0

EXIST. CB
TOP 88.33
INV ±86.95

MH-23
TOP 88.47
INV 87.20(SW)
INV 86.29(SE)
INV 86.29(NE)
ICD IN OUTLET PIPE

EXIST. CB
TOP 88.16
INV ±86.78

REMOVE EXISTING COVER, FRAME AND ADJUSTMENT RINGS. RELOCATE CATCH-BASIN. MAKE WATERTIGHT CONNECTION. INSTALL NEW ADJUSTMENT RINGS, FRAME AND COVER. FRAME AND COVER IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. S19.

OGS MH-24
TOP 88.46
INV 86.04(SW)
INV 85.80(NW)

EXIST. SAN MH
TOP ±88.31
INV ±84.14(SW)
INV ±84.12(E)

CB/MH-21
TOP 88.58
INV 87.53

150 PVC WS
250 @ 2% PVC ST
28.7m
VB

±1m

CB/MH-22
TOP 88.58
INV 87.30(SW)
INV 87.30(NE)

FDC

FH-A TO FDC ±15m
UNOBSTRUCTED DISTANCE

MH-SA.2
TOP 88.69
INV 87.48(SW)
INV 86.62(SE)
INV 86.61(NW)

A+13.7
INV 85.63

EXHAUST

PROPOSED 6-STOREY APARTMENT BUILDING A

FFL = 89.56
BFL = 86.41
USF = 86.11

BASEMENT PLUMBING FIXTURES INCLUDING GARAGE FLOOR DRAINS SUMP & PUMP DISCHARGE TO SANITARY BUILDING DRAIN AT HIGH LEVEL IN BASEMENT
(REFER TO MECHANICAL)

TRANSFORMER

C+00.0

TRENCH DRAIN TO STORM DRAIN
(REFER TO MECHANICAL)

3m-150 SUB-DRAINS (TYPICAL)

CB-19
TOP 88.40
INV 87.35

22.5° VERTICAL BEND

C+15.2

3m-150 SUB-DRAINS (TYPICAL)

MH-20
TOP 88.63
INV 87.22(SW)
INV 86.37(SE)
INV 86.37(NW)

CB/MH-18
TOP 88.58
INV 87.39(SE)
INV 87.39(NE)

MH-15B
TOP 88.58
INV 86.81(SW)
INV 86.41(SE)
INV 86.41(NW)

CB-14
TOP 88.43
INV 87.38

APPROXIMATE EXTENT OF ROAD CUT REINSTATEMENT IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. R10

FH+00.0
VB
FH-B

EXIST. CB
TOP 88.31
INV ±86.93

RELOCATE

66 - HYDROSTOR HS180 CHAMBERS C/W 525 HDPE ACCESS PIPES

22.5° VERTICAL BEND

MH-15A
TOP 88.63
INV 86.81(SW)
INV 86.42(SE)
INV 86.42(NW)

APPROXIMATE EXTENT OF ROAD CUT REINSTATEMENT IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. R10

CB/MH-17
TOP 88.58
INV 87.46(S)
INV 87.46(NW)

MH-13
TOP 88.69
INV 87.22(SE)
INV 86.81(SW)
INV 86.43(NW)

C+44.7

C+49.1

CB-16
TOP 88.58
INV 87.53

FDC

FH-B TO FDC ±40m
UNOBSTRUCTED DISTANCE

TRENCH DRAIN TO STORM DRAIN
(REFER TO MECHANICAL)

3m-150 SUB-DRAINS (TYPICAL)

CB-11
TOP 88.40
INV 87.35

PROPOSED 6-STOREY APARTMENT BUILDING B

FFL = 89.56
BFL = 86.41
USF = 86.11

BASEMENT PLUMBING FIXTURES INCLUDING GARAGE FLOOR DRAINS SUMP & PUMP DISCHARGE TO SANITARY BUILDING DRAIN AT HIGH LEVEL IN BASEMENT
(REFER TO MECHANICAL)

EXHAUST

22.5° VERTICAL BEND
20m - 250 PVC ST @ 2%
INV 85.81
B+14.8
B+00.0

CB-2
TOP 88.82
INV 87.77

CB-3
TOP 88.78
INV 87.73

CB-4
TOP 88.76
INV 87.71

CB-5
TOP 88.73
INV 87.68

CB-6
TOP 88.70
INV 87.65

CB-7
TOP 88.69
INV 87.64

APPROXIMATE EXTENT OF ROAD CUT REINSTATEMENT IN ACCORDANCE WITH CITY OF OTTAWA DRAWING No. R10

150 PVC WS
VB
CB-1
TOP 88.58
INV 87.53

MH-SA.1
TOP 88.73
INV 86.92

CB-10
TOP 88.58
INV 87.53

EXIST. ST MH
TOP ±88.78
INV ±83.84

MH-9
TOP 88.99
INV 87.52(NW)
INV 87.52(NE)

22.5° VERTICAL BEND
22.5° VERTICAL BEND
22.5° VERTICAL BEND
22.5° VERTICAL BEND
22.5° VERTICAL BEND
22.5° VERTICAL BEND

CB-8
TOP 88.58
INV 87.53

MH-12
TOP 88.77
INV 87.48(NE)
INV 87.33(SW)
INV 87.32(NW)

| | | |
|---|---|---|
| A | 250 ST INV 87.68<br>375 ST SPL 87.68 | |
| B | 250 ST INV 87.65<br>375 ST SPL 87.65 | |
| C | 250 ST INV 87.63<br>375 ST SPL 87.63 | |
| D | 250 ST INV 87.60<br>375 ST SPL 87.60 | |
| E | 250 ST INV 87.57<br>375 ST SPL 87.57 | |
| F | 250 ST INV 87.56<br>375 ST SPL 87.56 | |
| G | 250 ST SPL 87.54<br>375 ST SPL 87.54 | |
| H | 250 ST SPL 87.46<br>375 ST SPL 87.46 | |
| I | 250 ST INV 86.59<br>375 ST SPL 86.59 | |
| J | 250 ST INV 86.56<br>450 ST SPL 86.56 | |
| K | INV 87.08 | |
| L | 375 ST INV 87.30<br>150 SAN OBV 87.15 | |
| M | 150 SAN SPL 87.01<br>200 SAN SPL 87.01 | |
| N | INV 87.63 | |
| O | 150 SAN INV 87.54<br>450 ST TOP 86.84 | |
| P | 300 WM INV ±85.66<br>250 ST OBV 85.41 | |
| Q | 250 ST INV 84.97<br>375 SAN OBV ±84.72 | |
| R | 250 ST OBV 84.50<br>1050 ST OBV ±84.50 | |
| S | 200 SAN INV 86.46<br>300 WM OBV ±85.96 | |
| T | 200 SAN INV 84.53<br>375 SAN SPL ±84.53 | |
| U | 200 WM INV ±86.09<br>250 ST OBV 85.76 | |
| V | 250 ST OBV 84.65<br>825 ST OBV ±84.65 | |
| W | 250 ST INV 87.50<br>250 ST OBV 85.82 | |
| X | 200 WM INV ±85.86<br>250 ST OBV 85.61 | |
| Y | 250 ST INV 85.29<br>375 SAN OBV ±84.89 | |
| Z | 250 ST OBV 84.33<br>1050 ST OBV ±84.33 | |

| | | |
|---|---|---|
| CB-1 | TO | MH-9 |
| CB-2 | TO | A |
| CB-3 | TO | B |
| CB-4 | TO | C |
| CB-5 | TO | D |
| CB-6 | TO | E |
| CB-7 | TO | F |
| CB-8 | TO | G |
| MH-9 | TO | MH-12 |
| CB-10 | TO | MH-12 |
| CB-11 | TO | H |
| MH-12 | TO | MH-13 |
| MH-13 | TO | MH-15A |
| CB-14 | TO | I |
| MH-15A | TO | MH-15B |
| MH-15B | TO | MH-20 |
| CB-16 | TO | CB/MH-17 |
| CB/MH-17 | TO | CB/MH-18 |
| CB/MH-18 | TO | CB/MH-20 |
| CB-19 | TO | J |
| MH-20 | TO | CB/MH-23 |
| CB/MH-21 | TO | CB/MH-22 |
| CB/MH-22 | TO | CB/MH-23 |
| CB/MH-23 | TO | MH-24 |
| MH-24 | TO | R |
| K | TO | M |
| MH-SA.1 | TO | MH-SA.2 |
| N | TO | MH-SA.2 |
| MH-SA.2 | TO | T |

| |
|---|
| 2.1m - 250 PVC ST @ 0.432%<br>C/W INSULATION 100mm THICK |
| 2.1m - 250 PVC ST @ 0.432%<br>C/W INSULATION 100mm THICK |
| 2.1m - 250 PVC ST @ 0.432%<br>C/W INSULATION 100mm THICK |
| 2.1m - 250 PVC ST @ 0.432%<br>C/W INSULATION 100mm THICK |
| 2.1m - 250 PVC ST @ 0.432%<br>C/W INSULATION 100mm THICK |
| 2.1m - 250 PVC ST @ 0.432%<br>C/W INSULATION 100mm THICK |
| 2.1m - 250 PVC ST @ 6%<br>C/W INSULATION 100mm THICK |
| 76.8m - 375 PVC ST @ 0.25%<br>C/W INSULATION 100mm THICK |
| 12m - 250 PVC ST @ 0.432%<br>C/W INSULATION 100mm THICK |
| 3.9m - 250 PVC ST @ 0.432%<br>C/W INSULATION 100mm THICK |
| 39.2m - 375 PVC ST @ 0.25%<br>C/W INSULATION 100mm THICK |
| 2.3m - 375 PVC ST @ 0.25% |
| 3m - 250 PVC ST @ 0.45%<br>C/W INSULATION 100mm THICK |
| 2.3m - 375 PVC ST @ 0.25% |
| 16.4m - 375 PVC ST @ 0.25% |
| 16.1m - 250 PVC ST @ 0.432%<br>C/W INSULATION 100mm THICK |
| 19.8m - 300 PVC ST @ 0.34%<br>C/W INSULATION 100mm THICK |
| 68m - 375 PVC ST @ 0.25%<br>C/W INSULATION 100mm THICK |
| 4m - 250 PVC ST @ 0.432%<br>C/W INSULATION 100mm THICK |
| 37.9m - 450 CONC ST @ 0.195%<br>C/W INSULATION 50mm THICK |
| 51.7m - 250 PVC ST @ 0.432%<br>C/W INSULATION 100mm THICK |
| 22.7m - 250 PVC ST @ 0.432%<br>C/W INSULATION 100mm THICK |
| 4.2m - 250 PVC ST @ 6.15% |
| 15.5m - 250 PVC ST @ 6.15% |
| 14.2m - 150 PVC SAN @ 1%<br>C/W INSULATION 50mm THICK |
| 93.5m - 200 PVC SAN @ 0.32%<br>C/W INSULATION 50mm THICK |
| 15.2m - 150 PVC SAN @ 1%<br>C/W INSULATION 100mm THICK |
| 16.5m - 200 PVC SAN @ 1.11%<br>C/W INSULATION 50mm THICK |

## LEGEND

| | |
|---|---|
| FFL | FINISHED FLOOR ELEVATION |
| BFL | BASEMENT FLOOR ELEVATION |
| USF | UNDERSIDE OF FOOTING |
| | PROPERTY LINE |
| CB | CATCH-BASIN |
| MH | STORM MANHOLE |
| CB/MH | CATCH-BASIN/MANHOLE |
| MH | SANITARY MANHOLE |
| FH | FIRE HYDRANT |
| FDC | FIRE DEPARTMENT CONNECTION |
| VB | VALVE & VALVE BOX |
| M | WATER METER |
| R | REMOTE WATER METER |
| SAN | SANITARY SEWER |
| ST | STORM SEWER |
| WS/WM | WATER SERVICE/WATERMAIN |
| OBV | OBVERT OF PIPE |
| SPL | SPRINGLINE OF PIPE |
| INV | INVERT OF PIPE |
| x99.99 | EXISTING GRADE ELEVATION |
| | 150mm BARRIER CURB |

| No. | DATE | REVISION |
|---|---|---|
| 5 | APR 16-24 | RE-ISSUED FOR APPROVAL |
| 4 | MAR 22-24 | RE-ISSUED FOR APPROVAL |
| 3 | DEC 15-23 | RE-ISSUED FOR APPROVAL |
| 2 | JUN 28-23 | ISSUED FOR APPROVAL |
| 1 | JUN 26-23 | 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 6-STOREY APARTMENT BUILDINGS
1001 NOELLA LECLAIR WAY
OTTAWA, ONTARIO

Drawing Title
SITE SERVICING PLAN

Engineer's Seal
LICENSED PROFESSIONAL ENGINEER
D.B. GRAY
17016502
APR 16-24
PROVINCE OF ONTARIO
NOT VALID UNLESS SIGNED & DATED

| | |
|---|---|
| Drawn | D.B.G |
| H. Scale | 1:250 |
| V. Scale | |
| Date | JUN 12-23 |
| Job No. | 22068 |

Drawing No.
C-1
of 6

D07-12-23-0095

#19033