AHamlin

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MANAGER , DEVELOPMENT REVIEW ALL WARDS
PLANNING, DEVELOPMENT & BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

APPROVED
By Allison Hamlin at 1:50 pm, May 21, 2026

40mm ASPHALT RESURFACING SHALL EXTEND A MINIMUM 300mm BEYOND TRENCH AND TO NEAREST FULL LANE, CENTERLINE OR CURB LINE AS PER CITY OF OTTAWA ROAD CUT RESURFACING POLICY

40mm ASPHALT RESURFACING

200 PVC WM

3.0m

200 PVC WM

38.8m – 600 CONC ST @ 0.37%

ASSUMED 250 ST @ 2%

EXIST. CB
TOP 70.91
INV ±69.29

PROVIDE UNITS COSTS TO REMOVE AND REPLACE A CATCH BASIN.

PROVIDE UNIT COST (IN $/m) TO REMOVE AND REPLACE SECTIONS OF SEWERS FOR 250mm PVC PIPES

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

CLAY SEEPAGE BARRIER IN TRENCH (REFER TO GEOTECHNICAL)

DEPTH OF THE EXISTING 200mm WATERMAIN HAS BEEN ESTIMATED TO BE ±2.10m. PRIOR TO COMMENCING CONSTRUCTION DAYLIGHT EXISTING WATERMAIN AND DETERMINE ITS EXACT LOCATION, DEPTH AND SIZE BY CAREFUL TEST EXCAVATION. REPORT ANY DIFFERENCES TO THE ENGINEER.

ARROWSMITH DRIVE

2.5m

1.5m

0.6m

VB

FH

A+00.0
A+03.0
A+05.4
B+00.0
B+02.0
B+03.1
A+06.4
A+13.8
B+05.7
B+07.1
B+14.8
B+15.0
A+19.0
B+16.2
A+20.1
A+21.4
B+18.5

150 PVC WS

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

MAKE WATERTIGHT PLUG IN OPENING NO LONGER BEING USED IN EXISTING CATCH BASIN

MH–9
TOP 71.33
INV 68.67(NE)
INV 68.70(W)
INV 68.92(S)

REMOVE
EXIST. MH
TOP 71.19
INV ±68.92(NE)
INV ±68.98(S)
INV ±68.96(SW)

EXIST. SAN MH
TOP 71.58
INV ±68.74(SE)

MH–9A
TOP 71.19
INV 68.73(E)
INV ±68.98(S)
INV ±68.96(SW)

EXIST. 200 WM

12.2m – 600 CONC ST @ 0.20%

EXIST. CB
TOP 71.10

EXIST. CB
TOP 71.16
INV 69.28

Existing 404mmø Hydro

40mm ASPHALT RESURFACING

3.3m – 250 PVC ST @ ±1%

MACHINE CORE DRILL INTO @ EXISTING CATCHBASIN, MAINTAIN STRUCTURAL INTEGRITY OF CATCHBASIN. MAKE WATERTIGHT CONNECTION

EXISTING ST

±0.21%

EXISTING 250 CONC SAN @ ±1.01%

PROPOSED 6–STOREY MIXED–USE BUILDING

FFL = 71.71
USF = 70.06

22.5° LONG RADIUS BEND
ST INV 69.63
SAN INV 68.81

7.8m – 200 PVC ST @ 1%

MH–12
TOP 71.61
INV 69.55(E)
INV 69.36(S)

5.7m – 150 PVC SAN @ 1%

MH–SA.1
TOP 71.59
INV 68.75(E)
INV 68.68(SW)

FDC

0.90m

2m

375 ST @ 0.34%

20.9m – 375 PVC ST @ 0.34%

15.2m – 200 PVC ST @ 0.60%

200 ST
INV 69.33
200 SAN
TOP 68.86

200 ST SPL 69.29
200 ST SPL 68.29

11.25° LONG RADIUS BEND
150 SAN INV 68.71
200 SAN SPL 68.71

200 ST INV 69.18
375 ST SPL 69.18

5.1m – 200 PVC ST @ 0.60%

5.6m – 200 PVC ST @ 1%

ST INV 69.29
SAN INV 68.80

7.2m – 150 PVC SAN @ 1%

200 ST INV 69.28
150 SAN TOP 68.88

MH–13
TOP 71.49
INV 69.27(N)
INV 69.21(W)

FOUNDATION DRAINS SHALL BE CONNECTED TO THIS STORM SEWER CONNECTION (REFER TO ARCH.). A BACKWATER VALVE SHALL BE INSTALLED (REFER TO NOTE 4.11 ON DRAWING C–10).

CLAY SEEPAGE BARRIER IN TRENCH (REFER TO GEOTECHNICAL)

200 ST
INV 69.20
200 SAN
TOP 68.80

200 PVC ST @ 0.50%

25.0m – 300 SAN @ 0.50%

300 ST
INV 69.03
200 SAN
TOP 68.77

MH–8 (OGS)
TOP 71.32
INV 69.00(N)
INV 69.01(SE)

SUBJECT TO EASEMENT AS IN LT81591

MH–SA.2
TOP ±71.05
INV 68.55(NE)
INV 68.52(S)

29.1m – 300 PVC ST @ 0.34%

22.9m – 200 PVC SAN @ 0.65%

50mm THICK INSULATION, 1.8m WIDE

EXIST. CB
TOP 71.53

EXIST. CB/MH
TOP 70.86
INV ±69.05(N)
INV ±69.06(S)
INV ±69.06(W)

EXIST. MH
TOP 71.72
INV ±69.31(W)
INV ±68.24(NW)
INV ±68.19(SE)

MH–7
TOP 71.10
INV 69.11(NW)
INV 69.11(E)

ICD IN OUTLET PIPE
HYDROVEX VHV–100
12.50L/s @ 1.90m

EXIST. 250 CONC SAN @ ±0.35% (APPROXIMATE LOCATION)

7.9m – 200 PVC SAN @ 0.65%

MH–SA.3
TOP 71.27
INV 68.37(N)
INV 68.31(W)

200 SAN INV 68.25
250 SAN SPL ±68.25

Site Benchmark
Top of Spindle of FH
Elevation = 72.68

No. 2020
4 Storey Apartment Building

TpFdn
Elev=71.90

Flat Roof
Elev=±109.6

Garbage Enclosure

CRZ

PATIO

CB–5A
TOP 71.38
INV 69.35

50mm THICK INSULATION, 1.8m WIDE

27.8m – 250 PVC ST @ 0.432%

22.1m – 250 PVC ST @ 0.432%

CB/MH–5B
TOP 71.10
INV 69.23(W)
INV 69.23(NE)

50mm THICK INSULATION, 1.8m WIDE

6.0m – 300 PVC ST @ 0.34%

CB/MH–5
TOP 70.97
INV 69.13(W)
INV 69.13(E)
INV 69.13(S)

CLAY SEEPAGE BARRIER IN TRENCH (REFER TO GEOTECHNICAL)

2m
0m 1:150 10m

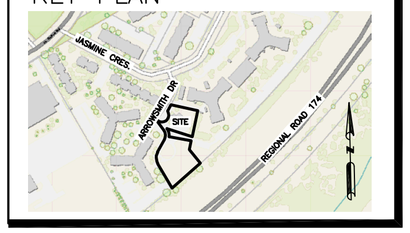
REFER TO NOTES, DETAILS & SCHEDULES ON DRAWINGS C–10, C–11 & C–12

No. 2044
4–Storey Apartment Building

LEGEND

FFL	FINISHED FLOOR ELEVATION
TOF	TOP OF FOUNDATION
BFL	BASEMENT FLOOR ELEVATION
USF	UNDERSIDE OF FOOTING
	PROPERTY LINE
C.R.Z	CRITICAL ROOT ZONE
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
	ROAD CUT REINSTATEMENT
	ASPHALT RESURFACING
	LIGHT–DUTY PAVEMENT
	HEAVY–DUTY PAVEMENT

KEY PLAN



No.	DATE	REVISION
10	MAY 5–26	RE–ISSUED FOR APPROVAL
9	MAR 9–26	RE–ISSUED FOR APPROVAL
8	FEB 24–26	RE–ISSUED FOR APPROVAL
7	JAN 27–26	ISSUED FOR TENDER
6	DEC 10–25	RE–ISSUED FOR APPROVAL
5	JAN 17–25	ISSUED FOR ZONING
4	DEC 6–24	ISSUED FOR BUILDING PERMIT
3	AUG 14–23	RE–ISSUED FOR APPROVAL SAN SERVICE REVISED (MHs ADDED)
2	DEC 21–22	ISSUED FOR APPROVAL
1	DEC 19–22	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 6–STOREY MIXED–USE BUILDING
2040 ARROWSMITH DRIVE
OTTAWA, ONTARIO

Drawing Title

SITE SERVICING PLAN
(NORTH)

Engineer's Seal
LICENSED PROFESSIONAL ENGINEER
D.B. GRAY
17016502
MAY 5–26
PROVINCE OF ONTARIO
NOT VALID UNLESS SIGNED & DATED

Drawn	D.B.G
H. Scale	1:150
V. Scale	
Date	NOV 29–22
Job No.	22062

Drawing No.
C–3
of 18

D07–12–23–0014

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