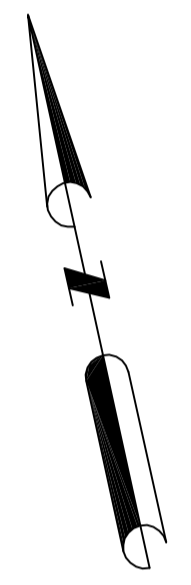
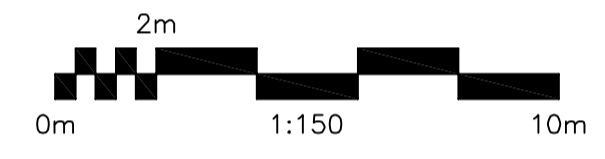


LEGEND

- 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
- WATER METER
- REMOTE WATER METER
- SAN SANITARY SEWER
- ST STORM SEWER
- WS/WM WATER SERVICE/WATERMAIN
- OBV OVERT OF PIPE
- SPL SPRINGLINE OF PIPE
- INV INVERT OF PIPE
- T.O.S TOP OF SLOPE
- B.O.S BOTTOM OF SLOPE
- CENTERLINE OF SWALE
- 150mm BARRIER CURB
- D.C DEPRESSED CURB
- ROAD CUT REINSTATEMENT

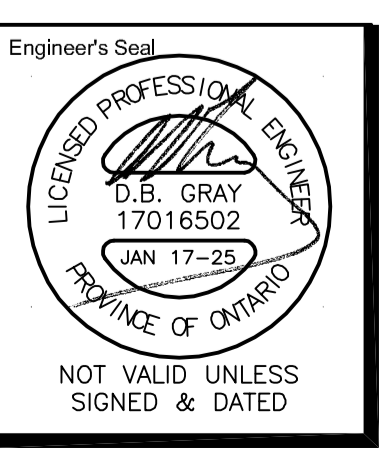


No.	DATE	REVISION
4	JAN 17-25	ISSUED FOR ZONING
3	DEC 6-24	ISSUED FOR BUILDING PERMIT
2	DEC 21-22	ISSUED FOR APPROVAL
1	DEC 19-22	ISSUED FOR COORDINATION

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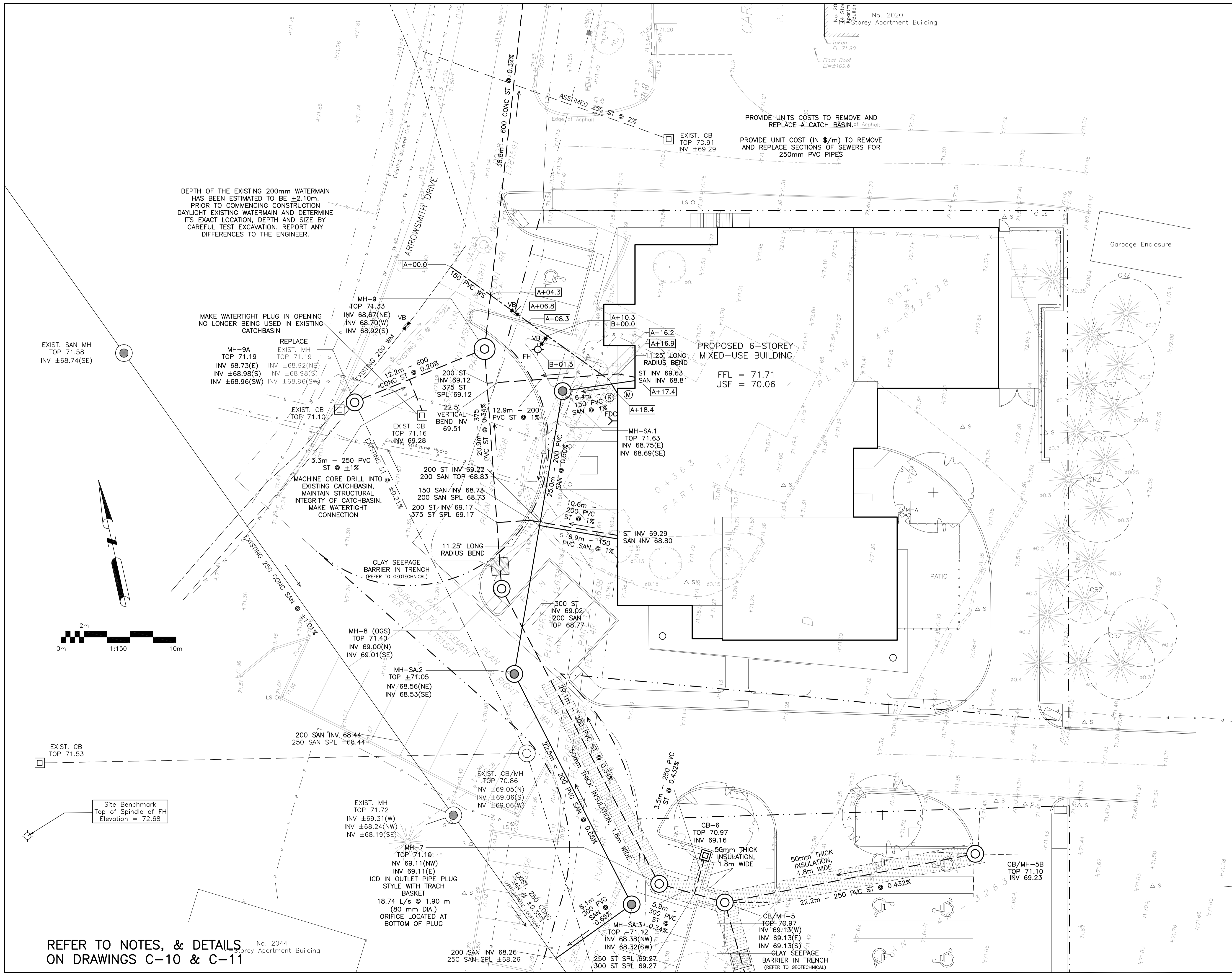
Project
PROPOSED 6-STORY MIXED-USE BUILDING
2040 ARROWSMITH DRIVE
 OTTAWA, ONTARIO

Drawing Title
SITE SERVICING PLAN
 (ARROWSMITH DR STORM SEWER)



Engineer's Seal	D.B.G.
H. Scale	1:150
V. Scale	
Date	NOV 29-22
Job No.	22062

Drawing No.
C-2
 of 17



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.

MAKE WATERTIGHT PLUG IN OPENING NO LONGER BEING USED IN EXISTING CATCHBASIN

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

CLAY SEEPAGE BARRIER IN TRENCH (REFER TO GEOTECHNICAL)

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

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

MH-9A TOP 71.19 INV 68.73(E) INV ±68.92(N) INV ±68.98(S) INV ±68.96(SW)

EXIST. CB TOP 71.10 INV 71.10

200 ST INV 69.22 200 SAN TOP 68.83
150 SAN INV 68.73 200 SAN SPL 68.73
200 ST INV 69.17 375 ST SPL 69.17

MH-8 (OGS) TOP 71.40 INV 69.00(N) INV 69.01(SE)

MH-SA.2 TOP ±71.05 INV 68.56(NE) INV 68.53(SE)

EXIST. CB TOP 71.53

200 SAN INV 68.44 250 SAN SPL ±68.44

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 PLUG STYLE WITH TRACH BASKET 18.74 L/s @ 1.90 m (80 mm DIA.) ORIFICE LOCATED AT BOTTOM OF PLUG

200 SAN INV 68.26 250 SAN SPL ±68.26

MH-SA.3 TOP 71.12 INV 68.38(NW) INV 68.32(SW)

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

CB/MH-5B TOP 71.10 INV 69.23

REFER TO NOTES, & DETAILS ON DRAWINGS C-10 & C-11

LEGEND

- FFL FINISHED FLOOR ELEVATION
- TOP 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
- I.O.S () TOP OF SLOPE
- B.O.S () BOTTOM OF SLOPE
- CENTERLINE OF SWALE
- 150mm BARRIER CURB
- D.C () DEPRESSED CURB
- ROAD CUT REINSTATEMENT

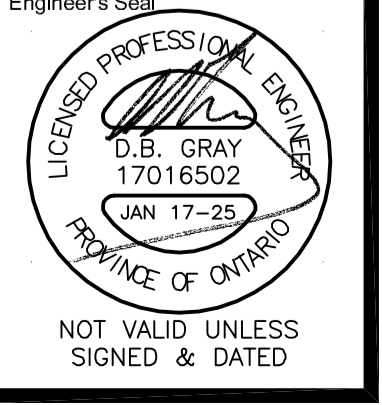


No.	DATE	REVISION
5	JAN 17-25	ISSUED FOR ZONING
4	DEC 6-24	ISSUED FOR BUILDING PERMIT
3	AUG 14-23	RE-ISSUED FOR APPROVAL SAN SERVICE REVISED (MHs ADDED)
2	DEC 21-22	ISSUED FOR APPROVAL
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Project
PROPOSED 6-STORY MIXED-USE BUILDING
2040 ARROWSMITH DRIVE
 OTTAWA, ONTARIO

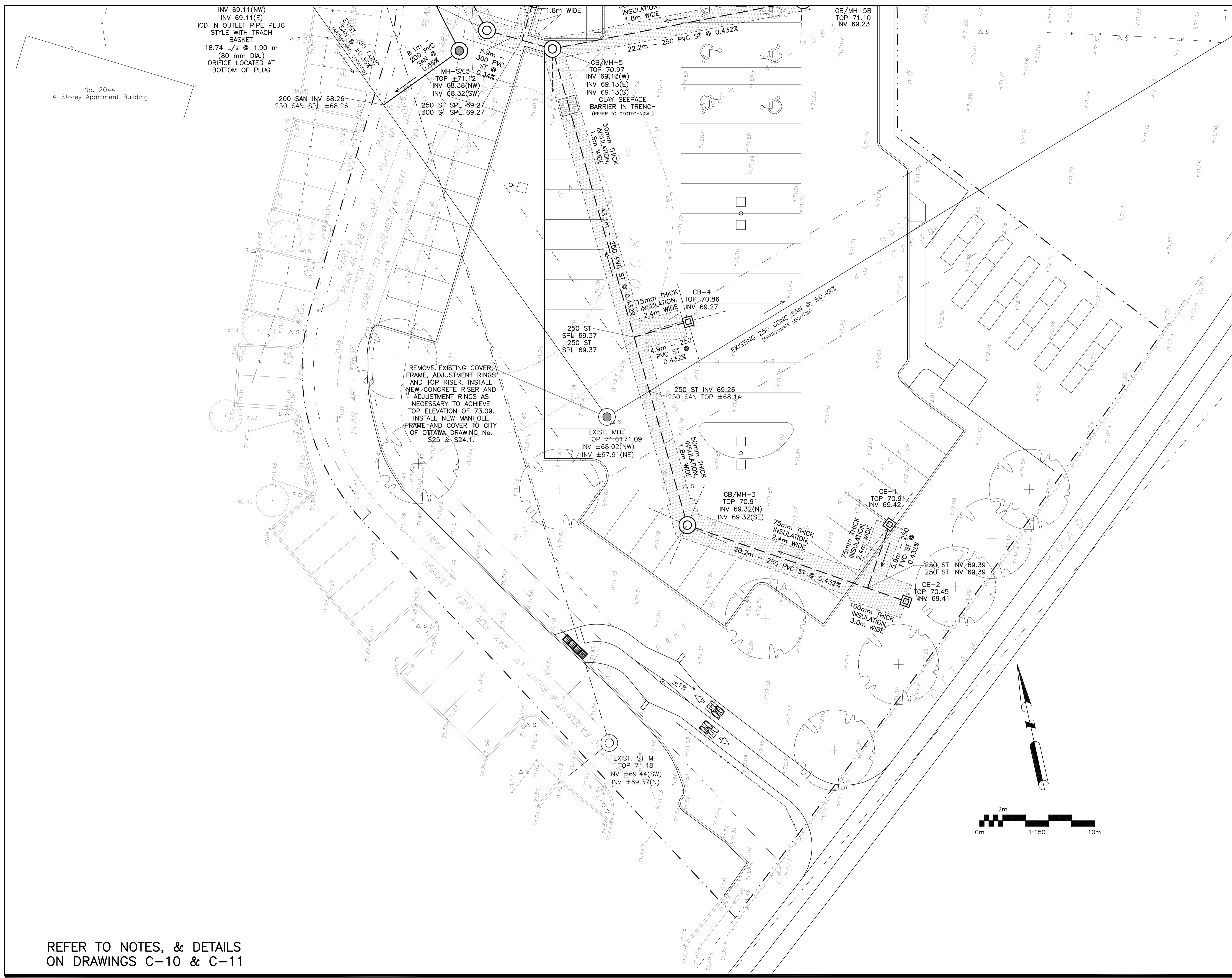
Drawing Title
SITE SERVICING PLAN
 (NORTH)



Engineer's Seal	Drawn D.B.G.
	H. Scale 1:150
	V. Scale
	Date NOV 29-22
	Job No. 22062
Drawing No.	C-3
	of 17

INV 69.11(NW)
 INV 69.11(E)
 ICD IN OUTLET PIPE PLUG
 STYLE WITH TRACH
 BASKET
 18.74 L/s @ 1.90 m
 (80 mm DIA.)
 ORIFICE LOCATED AT
 BOTTOM OF PLUG

No. 2044
 4-Storey Apartment Building



REMOVE EXISTING COVER,
 FRAME, ADJUSTMENT RINGS
 AND TOP RISER. INSTALL
 NEW CONCRETE RISER AND
 ADJUSTMENT RINGS AS
 NECESSARY TO ACHIEVE
 TOP ELEVATION OF 73.09.
 INSTALL NEW MANHOLE
 FRAME AND COVER TO CITY
 OF OTTAWA DRAWING No.
 S25 & S24.1.

REFER TO NOTES, & DETAILS
 ON DRAWINGS C-10 & C-11

LEGEND

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- BFL BASEMENT FLOOR ELEVATION
- USF UNDERSIDE OF FOOTING
- PROPERTY LINE
- .-.- C.R.Z. CRITICAL ROOT ZONE
- CB [Symbol] CATCH-BASIN
- MH [Symbol] STORM MANHOLE
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- MH [Symbol] SANITARY MANHOLE
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- I.O.S. [Symbol] TOP OF SLOPE
- B.O.S. [Symbol] BOTTOM OF SLOPE
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- 150mm BARRIER CURB
- DEPRESSED CURB
- [Symbol] ROAD CUT REINSTATEMENT

KEY PLAN

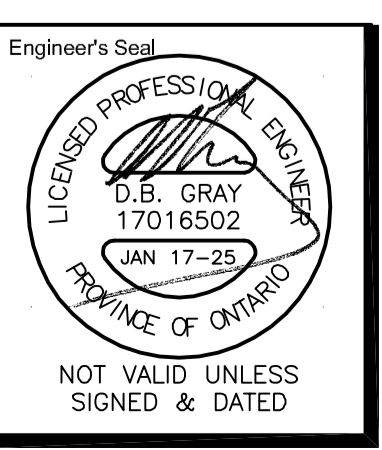


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Project
**PROPOSED 6-STOREY
 MIXED-USE BUILDING
 2040 ARROWSMITH DRIVE**
 OTTAWA, ONTARIO

Drawing Title
**SITE SERVICING PLAN
 (SOUTH)**



Engineer's Seal
 Drawn D.B.G.
 H. Scale 1:150
 V. Scale
 Date NOV 29-22
 Job No. 22062

Drawing No.
C-4
 of 17