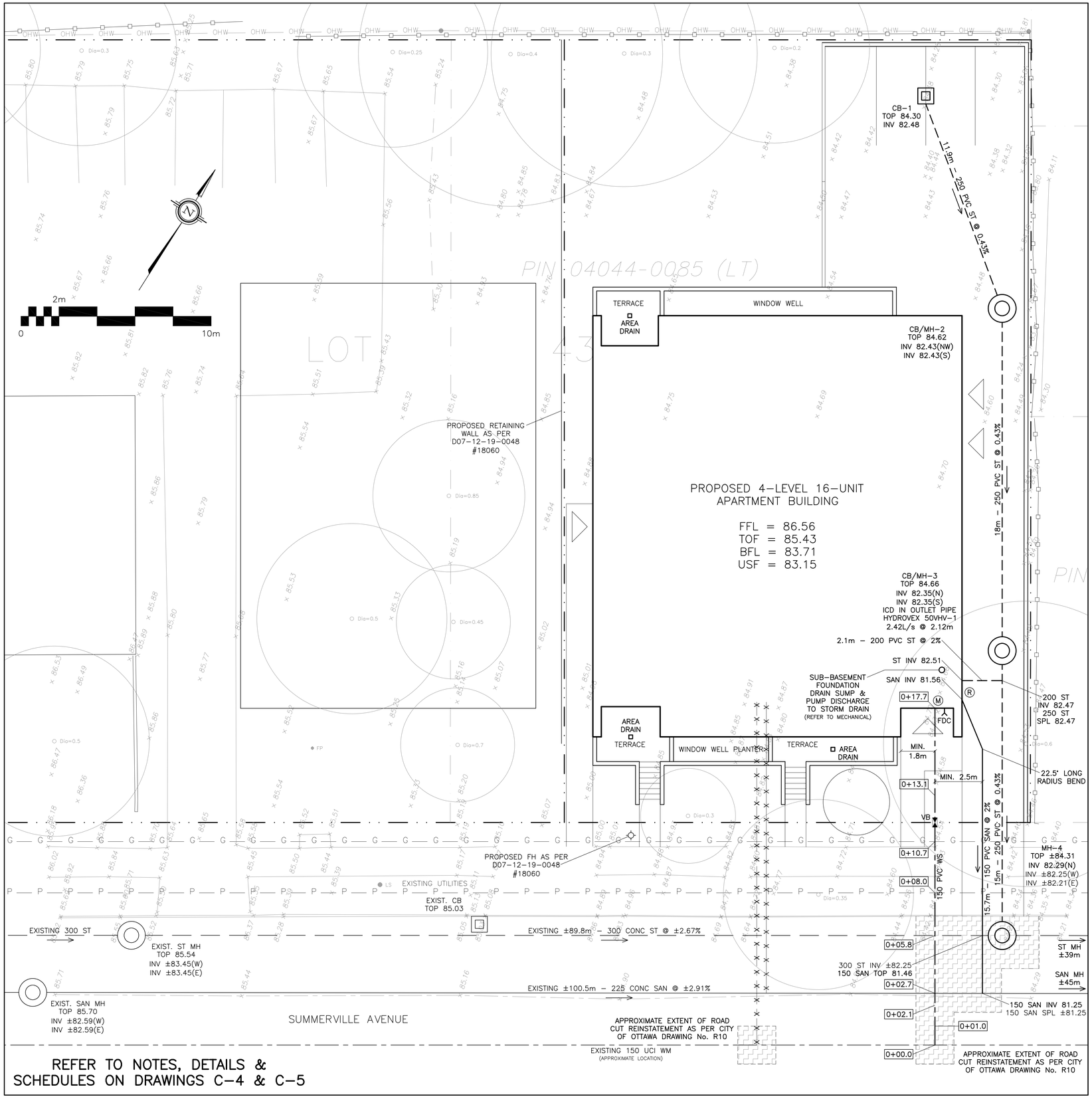
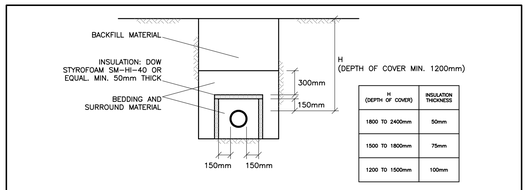


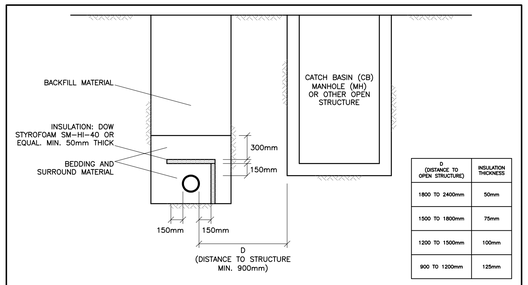
REFER TO NOTES, DETAILS & SCHEDULES ON DRAWINGS C-4 & C-5



H (DEPTH OF COVER)	INSULATION THICKNESS
1800 TO 2400mm	50mm
1500 TO 1800mm	75mm
1200 TO 1500mm	100mm

INSULATE WATERMAIN AS INDICATED AND WHERE DEPTH OF COVER IS LESS THAN 2400mm. PROVIDE A MINIMUM 1200mm COVER CENTER INSULATION OVER PIPE.
JOINTS BETWEEN SHEETS OF INSULATION SHALL BE STAGGERED.

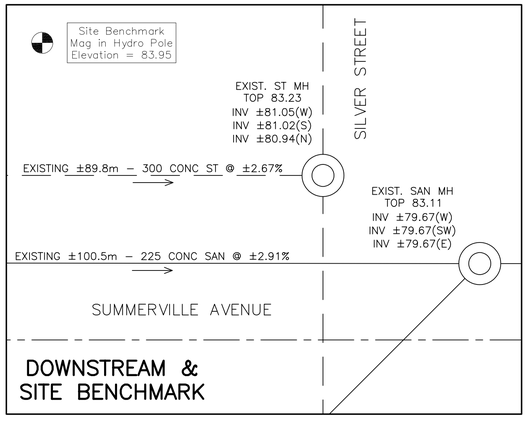
INSULATION OF WATERMAINS & WATER SERVICE CONNECTIONS IN SHALLOW TRENCHES
AS PER CITY OF OTTAWA DRAWING No. W22
N.T.S



D (DISTANCE TO OPEN STRUCTURE)	INSULATION THICKNESS
1800 TO 2400mm	50mm
1500 TO 1800mm	75mm
1200 TO 1500mm	100mm
900 TO 1200mm	125mm

INSULATE SEWER AS INDICATED.
CENTER INSULATION OVER PIPE
JOINTS BETWEEN SHEETS OF INSULATION SHALL BE STAGGERED.

INSULATION OF WATERMAINS & WATER SERVICE CONNECTIONS AT OPEN STRUCTURES
AS PER CITY OF OTTAWA DRAWING No. W23
N.T.S



DOWNSTREAM & SITE BENCHMARK

DRAWING LEGEND

CB	CATCH-BASIN
MH	MANHOLE
CB/MH	CATCH BASIN/MANHOLE
SPL	SPRINGLINE OF PIPE
INV	INVERT OF PIPE
SAN	SANITARY SEWER
ST	STORM SEWER
WS/WM	WATER SERVICE/WATERMAIN
CS	CURB STOP & STANDPOST
VB	VALVE & VALVE BOX
FH	FIRE HYDRANT
FDC	FIRE DEPARTMENT CONNECTION
	ROOF DRAIN
M	WATER METER
R	REMOTE WATER METER READOUT
+99.99	EXISTING GRADE ELEVATION
+99.99	PROPOSED GRADE ELEVATION
2%	PROPOSED SLOPE OF GRADE
T.O.S	TOP OF SLOPE
	CENTERLINE OF SWALE
	PROPERTY LINE
D.C	150mm CURB/DEPRESSED CURB
	LIGHT-DUTY PAVEMENT
	ROAD CUT REINSTATEMENT
	CONCRETE
	LANDSCAPE
	RIVER STONE
FFL	FIRST FLOOR ELEVATION
TOF	TOP OF FOUNDATION
BFL	BASEMENT FLOOR ELEVATION
USF	UNDERSIDE OF FOOTING

KEY PLAN

No.	DATE	REVISION
2	JUL 27-21	ISSUED FOR APPROVAL
1	APR 27-21	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 3-STOREY 16-UNIT APARTMENT BUILDING
1291 SUMMERVILLE STREET
OTTAWA, ONTARIO

Drawing Title
SITE SERVICING PLAN

Engineer's Seal
LICENSED PROFESSIONAL ENGINEER
D.B. GRAY
17016502
JUL 27-21
PROVINCE OF ONTARIO
NOT VALID UNLESS SIGNED & DATED

Drawn	D.B.G
H. Scale	1:100
V. Scale	
Date	FEB 3-21
Job No.	20102

Drawing No.
C-1
of 6