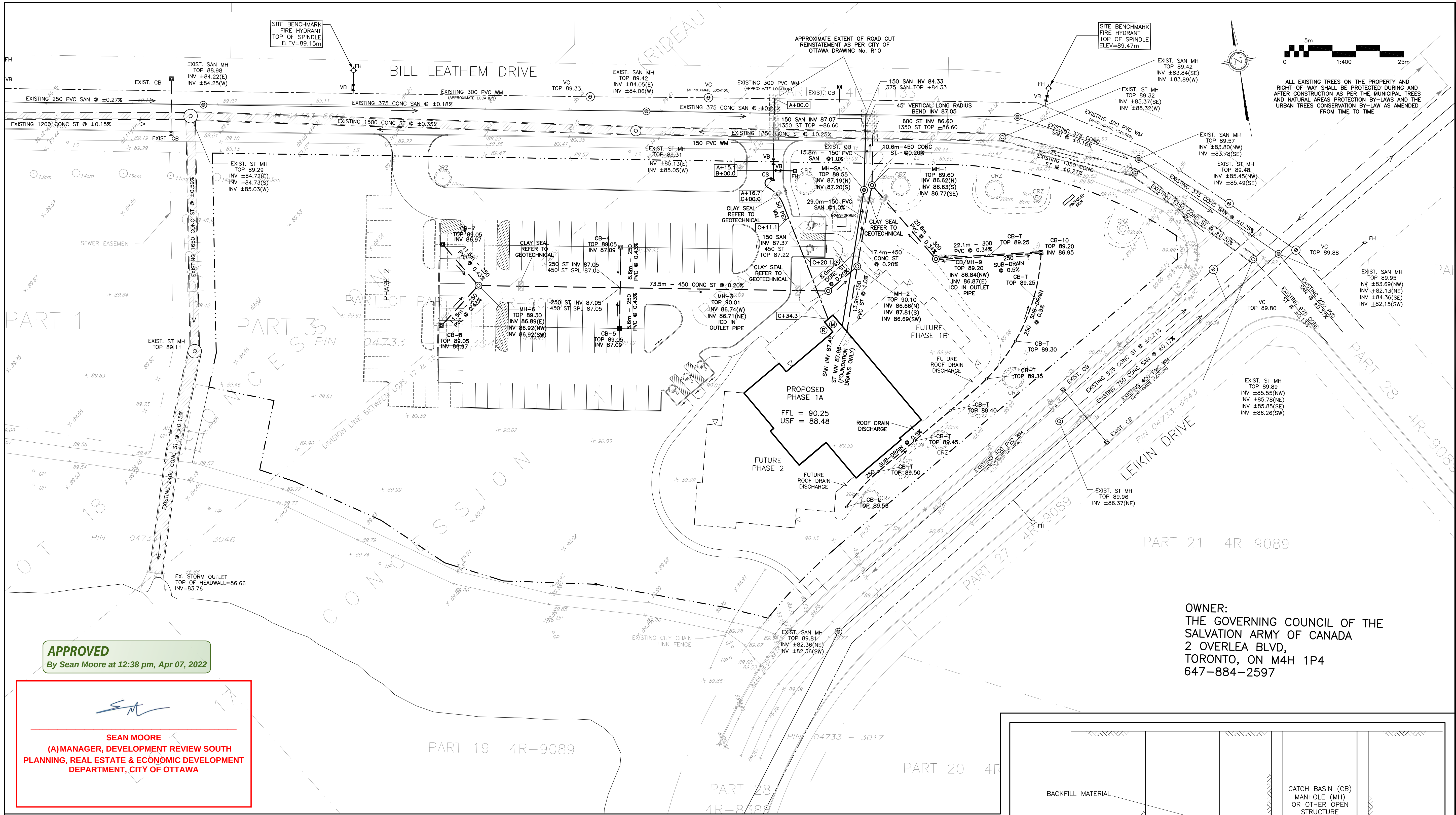


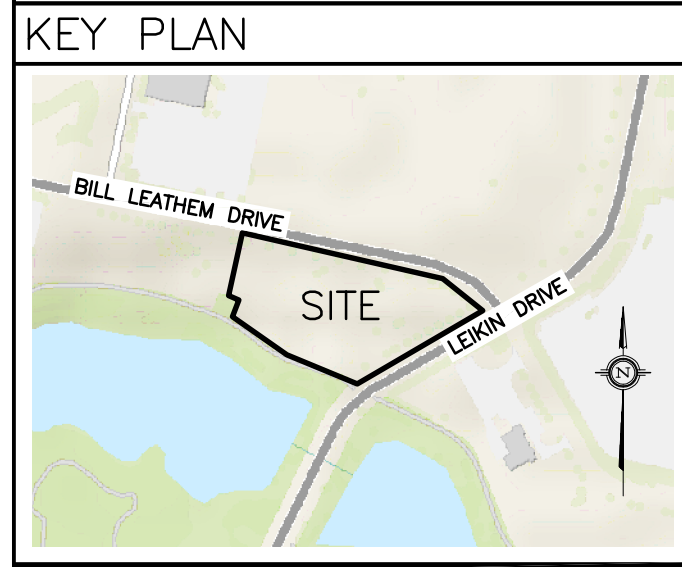


APPROVED
By Sean Moore at 12:38 pm, Apr 07, 2022

SEAN MOORE
(A) MANAGER, DEVELOPMENT REVIEW SOUTH
PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT
DEPARTMENT, CITY OF OTTAWA

LEGEND

- CB [Symbol] CATCH-BASIN
- MH [Symbol] STORM MANHOLE
- CB/MH [Symbol] CATCH-BASIN/MANHOLE
- MH [Symbol] SANITARY MANHOLE
- VC [Symbol] VALVE CHAMBER
- CS [Symbol] CURB STOP & STANDPOST
- VB [Symbol] VALVE & VALVE BOX
- FH [Symbol] FIRE HYDRANT
- SAN [Symbol] SANITARY SEWER
- ST [Symbol] STORM SEWER
- WS/WM [Symbol] WATER SERVICE/WATERMAIN
- SPL [Symbol] SPRINGLINE OF PIPE
- INV [Symbol] INVERT OF PIPE
- [Symbol] WATER METER
- [Symbol] REMOTE WATER METER
- FFL [Symbol] FINISHED FLOOR ELEVATION
- TOF [Symbol] TOP OF FOUNDATION
- BFL [Symbol] BASEMENT FLOOR ELEVATION
- USF [Symbol] UNDERSIDE OF FOOTING
- [Symbol] PROPERTY LINE
- [Symbol] 150mm BARRIER CURB
- [Symbol] DEPRESSED CURB
- [Symbol] CRITICAL ROOT ZONE
- [Symbol] ROAD CUT REINSTATEMENT



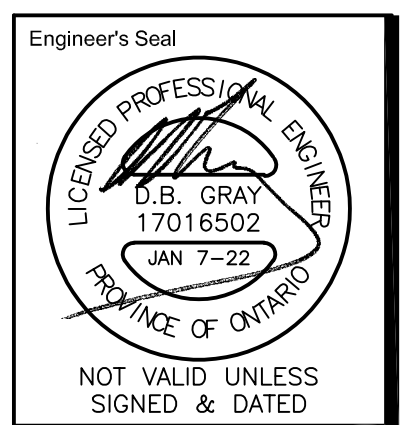
OWNER:
THE GOVERNING COUNCIL OF THE
SALVATION ARMY OF CANADA
2 OVERLEA BLVD,
TORONTO, ON M4H 1P4
647-884-2597

No.	DATE	REVISION
2	JAN 7-22	ISSUED FOR APPROVAL
1	DEC 20-21	ISSUED FOR COORDINATION

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

Project
**PROPOSED
SALVATION ARMY CHURCH,
102 BILL LEATHAM DRIVE
NEPEAN, ONTARIO**

Drawing Title
SITE SERVICING PLAN



Drawn D.B.G.
H. Scale 1:400
V. Scale
Date DEC 20-21
Job No. 20109
Drawing No.
**C-1
of 5**

#18590

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

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

INSULATION OF SEWERS IN SHALLOW TRENCHES
N.T.S.

H (DEPTH OF COVER)	INSULATION THICKNESS	W (WIDTH OF INSULATION)
1400 TO 2000mm	50mm	1200mm + DIAMETER OF PIPE
1100 TO 1400mm	75mm	1800mm + DIAMETER OF PIPE
LESS THAN 1100mm	100mm	2400mm + DIAMETER OF PIPE

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