

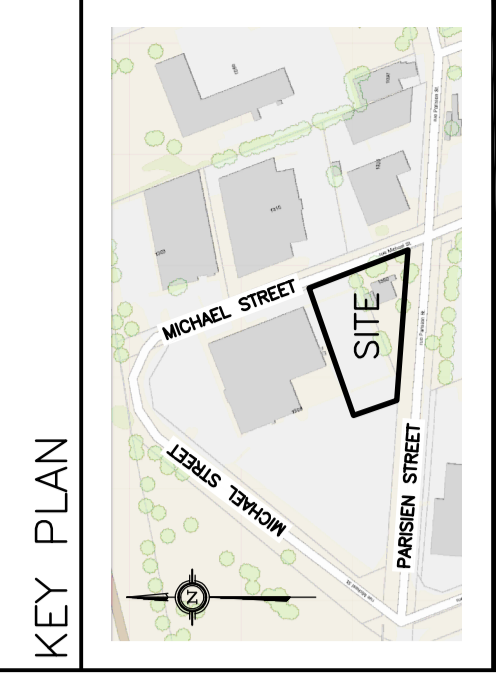
SITE BOUNDARIES AND EXISTING GRADES AND OTHER EXISTING FEATURES ARE DERIVED FROM TOPOGRAPHIC SKETCH PREPARED BY ANNIS O'SULLIVAN, VOLLEBEKK LTD. JOB NO. 16814-16, DATED FEB. 24, 2021. EXISTING ELEVATIONS SHOWN ON THE TOPOGRAPHIC SKETCH ARE GEODETIC AND ARE REFERRED TO THE COVID28 GEODETIC DATUM, DERIVED FROM CITY OF OTTAWA LRT CONTROL MONUMENT 2011-0006 HAVING AN ELEVATION OF 72.657 METRES.

ALL EXISTING TREES ON THE PROPERTY AND RIGHT-OF-WAY SHALL BE PROTECTED DURING AND AFTER CONSTRUCTION AS PER THE MUNICIPAL TREES AND NATURAL AREAS PROTECTION BY-LAWS AND THE URBAN TREES CONSERVATION BY-LAW AS AMENDED FROM TIME TO TIME



**LEGEND**

CB	CATCH-BASIN
MH	STORM MANHOLE
CB/MH	CATCH-BASIN/MANHOLE
MH	SANITARY MANHOLE
VC	VALVE CHAMBER
FH	FIRE HYDRANT
FDC	FIRE DEPARTMENT CONNECTION
FFL	FINISHED FLOOR ELEVATION
USF	UNDERSIDE OF FOOTING
- - -	PROPERTY LINE
+99.99	EXISTING GRADE ELEVATION
+99.99	PROPOSED GRADE ELEVATION
↑	OVERLAND FLOW
2%	PROPOSED SLOPE OF GRADE
150mm	150mm BARRIER CURB
D.C.	DEPRESSED CURB
C.R.Z.	CRITICAL ROOT ZONE
	ASPHALT PAVEMENT
□	CONCRETE
▨	PERMEABLE PAVERS



No.	DATE	REVISION
1	NOV 2-21	PRELIMINARY
2	JAN 11-22	ISSUED FOR COORDINATION
3	JAN 12-22	ISSUED FOR APPROVAL
4	JUL 28-22	RE-ISSUED FOR APPROVAL
5	JAN 25-23	RE-ISSUED FOR APPROVAL

**D. B. GRAY ENGINEERING INC.**  
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 Ottawa, Ontario  
 613-425-8044  
 d.gray@dbgrayengineering.com

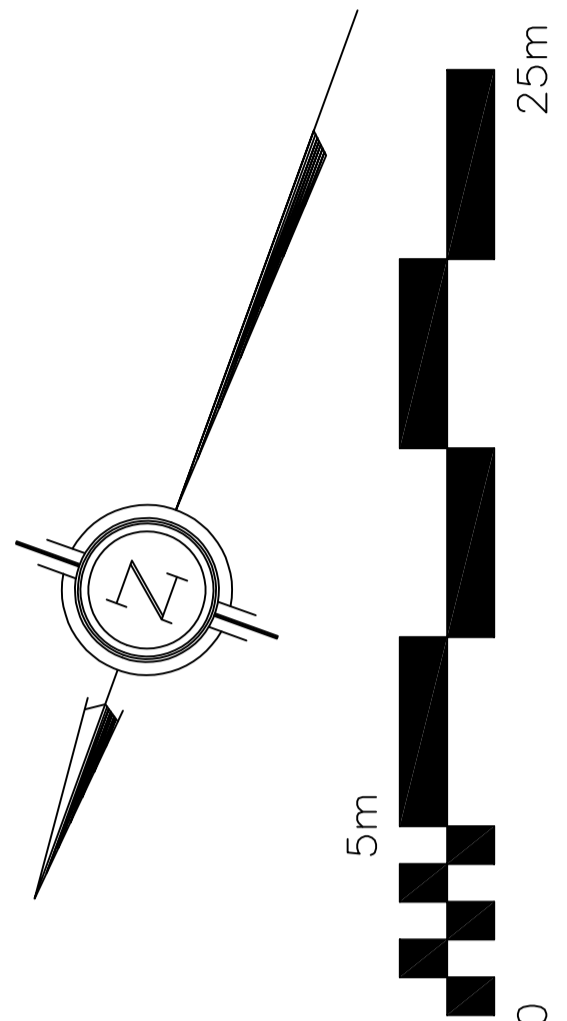
**PROPOSED 2 STOREY  
 VOLVO DEALERSHIP  
 1328 MICHAEL STREET  
 OTTAWA, ONTARIO**

**GRADING PLAN AND  
 EROSION & SEDIMENT  
 CONTROL PLAN**

Engineer's Seal  
 D.B. GRAY  
 17016502  
 JAN 25-23

Drawn: D.B.G.  
 H. Scale: 1:200  
 V. Scale: 1:20  
 Date: NOV 2-21  
 Job No.: 21012

Project: C-3 of 8  
 Drawing No.: #18651  
 NOT VALID UNLESS SIGNED & DATED



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

- ① RETAINING WALL 1  
 T.O.W. VARIES 69.47 TO 68.58  
 B.O.W. VARIES 69.45 TO 69.22  
 HEIGHT VARIES 0.02m TO 0.36m
- ② RETAINING WALL 2  
 T.O.W. VARIES 69.57 TO 68.53  
 B.O.W. VARIES 69.19 TO 69.21  
 HEIGHT VARIES 0.36m TO 0.32m
- ③ RETAINING WALL 3  
 T.O.W. VARIES 69.57 TO 68.53  
 B.O.W. VARIES 69.19 TO 69.21  
 HEIGHT VARIES 0.38m TO 0.32m

REMOVE EXISTING LID AND FRAME. INSTALL NEW RISE SECTIONS AND/OR ADJUSTMENT RINGS AS NECESSARY TO ACHIEVE TOP ELEVATION OF +68.98 (TO MATCH PROPOSED GRADES). THE TOTAL NUMBER OF THE ADJUSTMENT RINGS SHALL NOT EXCEED THREE AND THE TOTAL HEIGHT OF THE ADJUSTMENT RINGS SHALL NOT EXCEED 300 mm. INSTALL NEW MANHOLE LID AND FRAME TO CITY OF OTTAWA DRAWING No. S25 & S24.1.1.

INSTALL SEDIMENT CAPTURE FILTER SOCK  
 INSERT IN EXISTING CB/MH

No. 1328  
 PROPOSED 2 STOREY  
 VOLVO DEALERSHIP  
 FFL = 69.81  
 USF = 68.11  
 (EXCEPT WHERE NOTED)

USF SHALL BE A MINIMUM 1.5m BELOW ADJACENT PROPOSED GRADES OR PROVIDE ADEQUATE INSULATION

PERMEABLE PAVERS AS PER CITY OF OTTAWA DRAWING No. SC27 (REFER TO LANDSCAPE)

RIVER STONE (REFER TO LANDSCAPE)

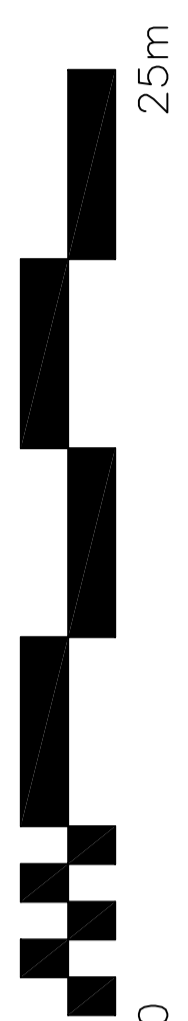
100 & 5-YEAR PONDING  
 ELEVATION: 69.09  
 2-YEAR: NO PONDING

APPROXIMATE LOCATION WHERE PROPOSED GRADES MATCH EXISTING

APPROXIMATE LOCATION WHERE PROPOSED GRADES MATCH EXISTING

No. 1300  
 FFL = ±70.10

No. 1300  
 FFL = ±70.15



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