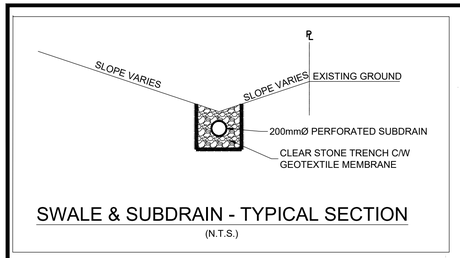
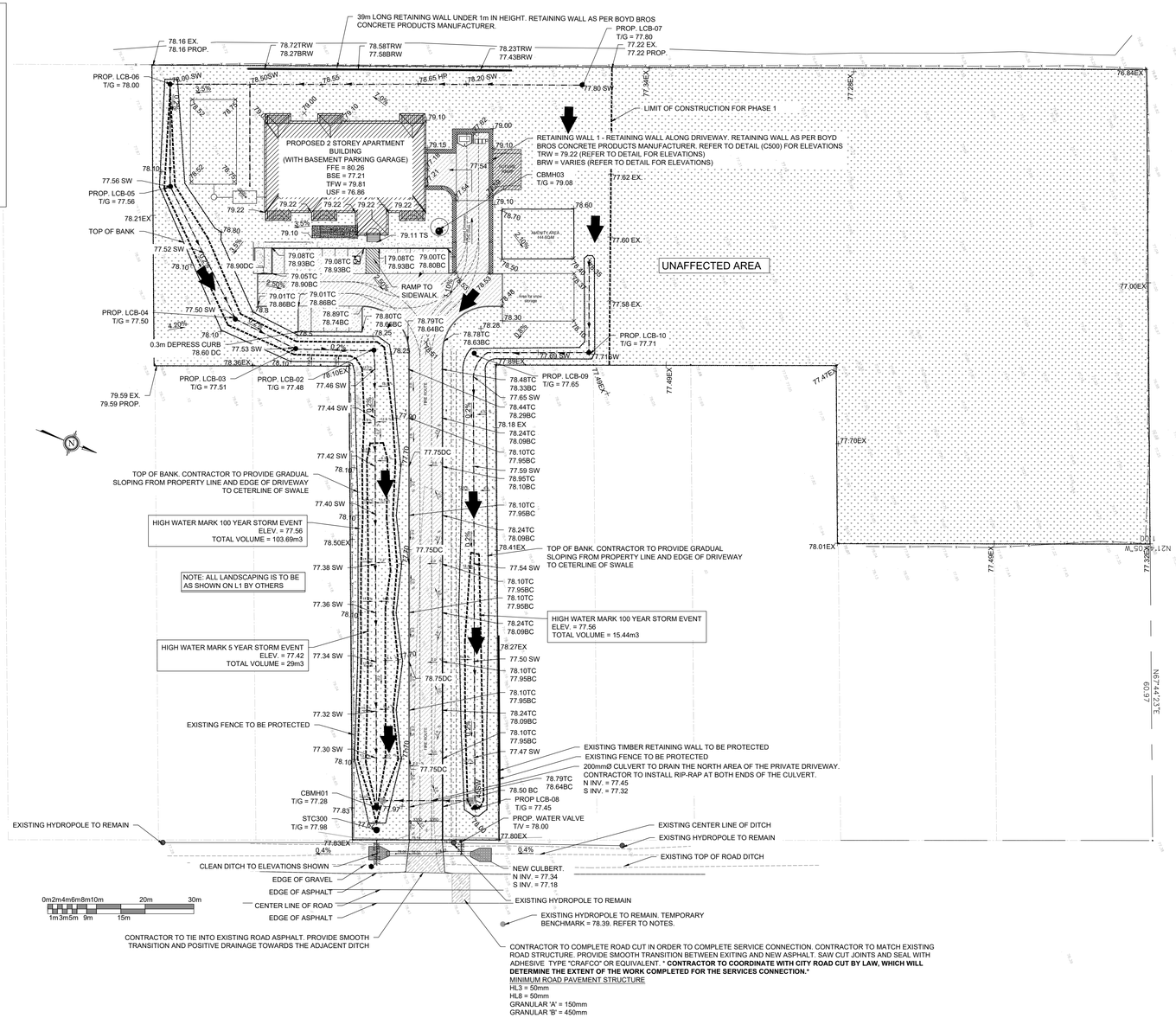
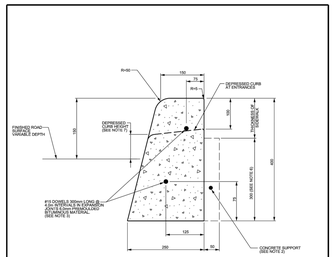


SWALE & SUBDRAIN - TYPICAL SECTION

(N.T.S.)





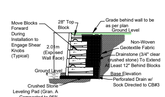
NOTES:
1. THE FULL CURB DEPTH SHALL BE CARRIED THROUGH THE DEPRESSED ACCESS CROSSING.
2. A CONCRETE SUPPORT IS REQUIRED WHEN BUILT ADJACENT TO THE SIDEWALK.
3. IF AN EXTRUSION CURBING MACHINE IS USED, THE EXPANSION BITUMINOUS MATERIAL AND THE #15 DOWELS ARE TO BE PLACED AT THE END OF THE EXTRUSION.
4. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
5. DUMMY JOINTS SHALL BE 25mm DEEP, FRONT, BACK AND TOP OF SECTION AT 2m SPACING.
6. FOR DEPRESSED CURB AT ENTRANCES USE 250.
7. DEPRESSED CURB HEIGHT - FOR PEDESTRIAN CURB RAMPS 0 TO 6 mm AND FOR PRIVATE ENTRANCES 0 TO 25mm.

N.T.S.

Ottawa	CONCRETE BARRIER CURB FOR GRANULAR BASE PAVEMENT (MODIFIED OPSD-600.110)	DATE:	JANUARY 2003.
		REV. DATE:	MARCH 2014
		DWG. No.	SC1.1

LEGEND:

- EXISTING PROPERTY LINE TO REMAIN
- PROPOSED EASEMENT
- PROPOSED TERRACING (3:1 MIN.)
- PROPOSED DOOR ENTRANCE/EXIT
- ×50.00 PROPOSED ELEVATION
- ×50.00HP PROPOSED HIGH POINT ELEVATION
- ×50.00SW PROPOSED SWALE ELEVATION
- ×50.00EX MATCH INTO EXISTING ELEVATION
- 78.19 EXISTING ELEVATION
- PROPOSED OVERLAND MAJOR FLOW ROUTE
- PROPOSED SILT FENCE AS PER OPSD 219.110
- PROPOSED 200mmØ PERFORATED SUBDRAIN
- STM PROPOSED STORM SEWER
- SAN PROPOSED SANITARY SEWER
- WTR PROPOSED WATERMAIN
- SAN EXISTING SANITARY SEWER
- WTR EXISTING WATERMAIN
- PROPOSED CATCHBASIN-MANHOLE/CATCHBASIN
- PROPOSED CURB STOP
- PROPOSED PIPE INSULATION
- PROPOSED 100 YEAR HIGH WATER LEVEL
- STORM WATERSHED EXTENT
- WS-XX CONTROLLED AREA RUNOFF — WATERSHED NAME; RUNOFF COEFFICIENT; AREA IN HECTARES
- PROPOSSED GRASS AREA
- PROPOSED CONCRETE FEATURES/SLAB
- PROPOSED HEAVY DUTY ASPHALT
- PROPOSED LIGHT DUTY ASPHALT
- PROPOSED GRAVEL AREA
- PROPOSED RIP RAP AS PER OPSD 810.010
- PROPOSED WATER METER
- PROPOSED ACCESS GATE
- PROPOSED GROWING FIELD



1. Elevations shown on plans are geodetic in meters and taken from topographical survey drawing by Arpentage Dutrisac Surveying Inc. July 2013.

2. Project T.B.M. (Temporary Benchmark). Nail in Utility Pole on East side of Rockdale Road Elev. = 78.39.

3. All water works to respect requirements of the City of Ottawa and to conform to the latest revision of Standard Tendering Documents as prepared by city.

4. All catch basin manholes and sewers work to be constructed as per the requirements of the City of Ottawa.

5. Pipes sizes shall be as shown on drawing.

6. Pipes material to be as follows:
- storm sewer - PVC SDR28
- watermain - PVC DR18
- sanitary sewer - SDR 35
- sub-drain - flexible perforated heavy duty polyethylene pipe c/w polyester sock filter by BIDCO or equivalent.

7. All water services shall have 2.4 m frost cover minimum.

8. Existing services and utilities shown on this drawing are taken from best available records but are not complete. Contractor is required to check in field for location and all elevation of pipes and check with utility companies before digging or ordering any material. Advise engineer of any discrepancies for recommendations and directions, prior to ordering any materials or starting any work.

9. Geotechnical Report, perform by Morey Associates Ltd. (report# 013300, written September 2013), forms part of our specifications and requirements. Contractor must be fully cognizant of its content and respect its recommendations.

10. Stormwater Management Report by Blanchard Letendre Engineering Ltd., forms part of our specifications and requirements. The contractor must be fully cognizant of its content and respect its recommendations.

11. All plumbing and electrical work to be coordinated with civil engineering.

12. Notify engineer for inspection prior to backfilling or covering any pipes or appurtenances.

13. Contractor to respect grading around building to be 0.15m minimum below top of foundation or any siding or finish wall material.

14. All works for private approach including any temporary construction access to the site lane shall be constructed in accordance with requirements of the City of Ottawa standards.

15. Contractor to prevent erosion and sedimentation damages by installing geosocks under cover of existing down stream catch basins and also take necessary measures to prevent erosion and sediment deposit on adjacent property. Provide also straw wall with pickets & geotextile at perimeter of property.

16. All pipe bedding to be as per the City of Ottawa requirements and as specified in geotechnical report.

17. Contractor to obtain clearance certificate from all agencies, authorities and utility company prior to making any excavation. Provide copy of clearance certificate to engineer prior to start of construction.

18. MHI#1 & MHI#2 are to be as per OPSD 705.010. MHI#3 is to be as per OPSD 701.015 complete with transition slab, 1200mm diameter riser and 1200mm diameter precast flat cap.

19. All catch basin manholes shall be cleaned and empty annually for the purpose of capturing sediment.

20. Refer to site plan by Blanchard Letendre Engineering Ltd. for details of curb radius, dimensions of lanes, parking stalls, set back requirements and site data.

21. Location of street water is approximate and contractor to verify the exact distance and elevation.

22. Contractor to perform all testing verification, cleaning and preparation as per the requirements of the City of Ottawa before final approval.

23. Major overland flow is @ an elevation of 77.65 m.

24. Proposed grade elevations to match existing elevations at property line.

25. Floor drains are to be drained into an oil grit interceptor prior to discharged a septic system

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ENGINEERING STAMP

NO.	REVISION	DATE (DD/MM/YYYY)
#8		
#7		
#6		
#5		
#4		
#3	ISSUED FOR CITY COMMENTS 8	29 / 11 / 2021
#2	ISSUED FOR CITY COMMENTS 7	24 / 08 / 2020
#1	ISSUED FOR CITY COMMENTS 6	26 / 03 / 2020

BLANCHARD LETENDRE ENGINEERING
767, Notre Dame, Local 42, Embrun, Ontario, K0A 1W1
(6 1 3) 6 9 3 - 0 7 0 0 blengineering.ca

CLIENT:

BERGERON CONSTRUCTION
172 ST.-THOMAS ROAD
VARS, ON, K0A 3H0

PROJECT:

12 UNIT APARTMENT BUILDING
5574 ROCKDALE ROAD
VARS, ON

DRAWING:

SITE GRADING PLAN

PAPER FORMAT:	24x36
DRAWN BY:	BF + GB
CHECKED BY:	GB
DATE:	11-2021
SCALE:	1:500
PROJECT NUMBER:	19-276

PAGE: C200