



	PROPERTY LINE		PROPOSED SANITARY MANHOLE
	PROPOSED SWALE		PROPOSED CATCH BASIN
	PROPOSED PERFORATED SUBDRAIN		PROPOSED CB "T" OR CB "L"
	EXISTING SPOT ELEVATION		EMERGENCY FLOW ROUTE
	PROPOSED SPOT ELEVATION		SURFACE PONDING AREA
	PROPOSED TOP OF CURB ELEVATION		MAX PONDING INTERMEDIATE PONDING
	PROPOSED TOP OF LID ELEVATION		PROPOSED FOUNDATION MANHOLE
	EXISTING GRADE AND DIRECTION		FINISHED FLOOR ELEVATION
	PROPOSED GRADE AND DIRECTION		TOP OF FOUNDATION
	PROPOSED 3:1 TERRACING		SLAB ELEVATION
	PROPOSED/EXISTING SPOT ELEVATION		ROAD REINSTATEMENT PER CITY STD. R10
	INTERPOLATED GRADE, CONTRACTOR TO CONFIRM PRIOR TO SITE WORKS		ASPHALT OVERLAY
	DEPRESSED CURB (DC)		

TOPOGRAPHIC INFORMATION
TOPOGRAPHIC INFORMATION PROVIDED BY STANTEC
PROJ. NO. 161613770-111
DATED APRIL 23, 2018

SITE PLAN PROVIDED BY PIERRE J. TABET ARCHITECT
PROJ. NO.
DATED APRIL 4, 2019

GEOTECHNICAL RECOMMENDATIONS PROVIDED BY PATERSON GROUP
PROJ. NO. PG2306-1
DATED JANUARY 31, 2013

SERVICING AND STORMWATER MANAGEMENT RECOMMENDATIONS PROVIDED BY DSEL
 PROJ. NO. 17-976
 DATED MAY 2019

TOP OF SPINDLE 1 LOCATED ACROSS FROM THE SOUTHWEST CORNER OF THE SITE
ELEV=93.57

2	A.J.G.	19.05.06	ISSUED FOR MUNICIPAL REVIEW
1	A.J.G.	18.09.13	ISSUED FOR MUNICIPAL REVIEW
No.	BY	YY.MM.DD	DESCRIPTION



255 MOUNTSHANNON DRIVE - BLOCK 2 © DSEI

545 Via Mattino Way
Ottawa, Ontario, K2J 6B7
Tel. (613) 880-9393

120 Iber Road Unit 103
Stittsville, Ontario, K2S 1E9
Tel. (613) 836-0856
Fax. (613) 836-7183
www.DSEL.ca

DRAWN BY:	C.M.K.	CHECKED BY:	R.D.F.	DRAWING NO.	SHEET NO.
DESIGNED BY:	C.M.K.	CHECKED BY:	A.D.F.	GP-1	2 of 4
SCALE:	1:200	DATE:	MAY 2019		

1. ALL WORKS AND MATERIALS SHALL CONFORM TO THE LATEST REVISION OF THE STANDARDS AND SPECIFICATIONS FOR THE LOCAL MUNICIPALITY OF KESWICK.
2. LOCAL UTILITIES AND MINISTRY OF TRANSPORTATION STANDARDS WILL APPLY WHERE REQUIRED.
3. THE CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL EXISTING UTILITIES WITHIN THE SITE AND ADJACENT AREAS PRIOR TO COMMENCEMENT OF PROJECT. ANY DISCREPANCIES SHOULD BE NOTIFIED IMMEDIATELY TO THE AUTHORITY HAVING JURISDICTION OVER THE UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OR REPLACEMENT OF ANY EXISTING UTILITIES THAT ARE IN THE WAY OF THE PROPOSED CONSTRUCTION.
4. ALL DIMENSIONS SHALL BE CHECKED AND VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY POSSIBLE CONFLICTS PRIOR TO THE START OF CONSTRUCTION.
5. ANY AREAS BEYOND THE LIMIT OF THE SITE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RELOCATION OF ANY EXISTING SERVICES AND/OR UTILITIES SHALL BE AS SHOWN ON THE DRAWINGS OR DIRECTED BY THE ENGINEER AT THE EXPENSE OF THE GENERAL CONTRACTOR.
7. THE CONTRACTOR SHALL COMPLY WITH THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS. THE GENERAL CONTRACTOR SHALL BE DEEMED TO BE THE "CONTRACTOR" AS DEFINED IN THE ACT.
8. ALL CONSTRUCTION SIGNAGE MUST CONFORM TO THE MINISTRY OF TRANSPORTATION OF ONTARIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES PER LATEST AMENDMENT.
9. ALL CONSTRUCTION ACTIVITIES SHALL BE ONGOING DURING THE PERIOD OF THIS CONTRACT. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES TO PREVENT CONFLICTS.
10. CONVEYANCES ARE IN METRES UNLESS SPECIFICALLY STATED OTHERWISE.
11. THERE WILL BE NO SUBSTITUTION OF MATERIALS UNLESS PRIOR WRITTEN APPROVAL IS RECEIVED FROM THE ENGINEER.
12. ALL CONSTRUCTION SHALL BE CARRIED OUT IN ACCORDANCE WITH THE RECOMMENDATIONS MADE IN THE GEOTECHNICAL REPORT.
13. FOR DETAILS RELATING TO STORMWATER MANAGEMENT AND ROOF DRAINAGE REFER TO THE SITE SERVING AND SEWER CONNECTIONS.
14. ALL SEWERS CONSTRUCTED WITH GRADES LESS THAN 1.0% SHALL BE INSTALLED USING LASER ALIGNMENT AND CHECKED WITH LEVEL INSTRUMENT PRIOR TO BACKFILLING.
15. THE CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED AND TO BEAR THE COST OF THE SAME.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADDITIONAL BEDDING, OR ADDITIONAL SLOPE PIPE IF THE MAXIMUM ALLOWABLE COVER IS EXCEEDED.
17. ALL PIPE / CURB/CUT SECTION SECTIONS REFER TO INSIDE DIMENSIONS.
18. SHOULDER BUILT UPON ARCHAEOLOGICAL REMAINS BE FOUND ON THE PROPERTY DURING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL STOP WORK IMMEDIATELY AND ADVISE THE ENGINEER.
19. ALL NECESSARY CLEARING AND GRUBBING SHALL BE COMPLETED BY THE CONTRACTOR. REVIEW WITH CONTRACT ADMINISTRATOR AND THE CITY OF OTTAWA PRIOR TO ANY CUTTING / REMOVAL.
20. THE CONTRACTOR SHALL BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS.
21. THE CONTRACTOR SHALL PROVIDE THE PROJECT ENGINEER ONE SET OF AS CONSTRUCTED SITE SERVINGS AND GRADING PLANS.
22. BENCHMARKS IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT THE SITE BENCHMARK(S) HAS NOT BEEN DISTURBED AND THAT ITS RELATIVE ELEVATION AND DESCRIPTION AGREES WITH THE INFORMATION PROVIDED ON THIS PLAN.

2. PRIOR TO THE COMMENCEMENT OF THE SITE GRADING WORKS, ALL SILTATION CONTROL DEVICES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.

3. ALL GRANULAR AND PAYMENT FOR ROADS/PARKING AREAS SHALL BE CONSTRUCTED IN ACCORDANCE WITH GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.

4. ALL TOPSOIL AND ORGANIC MATERIAL SHALL BE STRIPPED WITHIN THE ROAD AND PARKING AREAS ALLOWANCE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

5. CONCRETE CURBS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. SC1.1. PROVISION SHALL BE MADE FOR CURBS AND SIDEWALKS TO BE CONSTRUCTED IN ACCORDANCE WITH CITY OF OTTAWA STD. SC1.4. ALL CURBS, CONCRETE ISLANDS, AND SIDEWALKS SHOWN ON THIS DRAWING ARE TO BE PRIED IN THE SIDEWALKS PORTION OF THE CONTRACT.

6. PAYMENT FOR RENT/LEASE FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE WITH THE CITY OF OTTAWA STD. R/O 050 SP9.010, AND OPSS 310.

7. GRANULAR 'A' SHALL BE PLACED TO A MINIMUM THICKNESS OF 300mm around ALL STRUCTURES WITHIN THE PAVEMENT AREAS.

8. SUB-EXCAVATE SOFT AREAS AND FILL WITH GRANULAR 'B' COMPACTED IN MAXIMUM 300mm LIFTS.

9. ALL WORK ON THE MUNICIPAL RIGHT OF WAY AND EASEMENTS TO BE INSPECTED BY THE MUNICIPALITY PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

10. CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT 48 HOURS PRIOR TO COMMENCING ANY WORK WITHIN THE MUNICIPAL RIGHT OF WAY AND EASEMENTS BY THE MUNICIPALITY.

11. ALL PAYMENT MATERIAL FEATURES TO BE CONSTRUCTED SHALL BE PLACED PER ARCHITECTURAL SITE PLAN, LINE PAINTING AND DIRECTIONAL SYMBOLS SHALL BE APPLIED WITH A MINIMUM OF TWO COATS OF ORGANIC SOLVENT PAINT.

12. ALL STRUCTURAL MATERIALS TO BE CONSTRUCTED SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. SC1.1 AND STD. SC1.3.2 (J) AND OTTAWA ACCESSIBILITY DESIGN STANDARDS.

13. WHEN APPLICABLE THE CONTRACTOR IS TO SUBMIT SHOP DRAWINGS FOR RETAINING WALL (INCLUDE RAINFALL IF APPLICABLE) AND CURBS AND SIDEWALKS TO BE CONSTRUCTED FOR REVIEW AND APPROVAL BY THE MUNICIPALITY. APPROVED AND SEALED BY A LICENSED STRUCTURAL ENGINEER, THE CONTRACTOR WILL ALSO BE REQUIRED TO SUPPLY STRUCTURAL AND GEOTECHNICAL CERTIFICATION OF THE AS-CONSTRUCTED RETAINING WALL TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

The diagram illustrates the cross-section of a road pavement structure, divided into two sections: **LIGHT DUTY** and **FIRE ROUTE / HEAVY DUTY**. A central arrow indicates the transition between the two sections.

LIGHT DUTY Section (Left):

- 50mm HL3 ASPHALTIC CONCRETE
- 150mm GRANULAR 'A'
- 300mm GRANULAR 'B' TYPE II
- SUBGRADE

FIRE ROUTE / HEAVY DUTY Section (Right):

- 40mm HL3 ASPHALTIC CONCRETE
- 50mm HL8 ASPHALTIC CONCRETE
- 150mm GRANULAR 'A'
- 400mm GRANULAR 'B' TYPE II
- SUBGRADE

*PER GEOTECHNICAL INVESTIGATION (PG2306-1) PREPARED BY PATERSON GROUP