









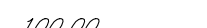




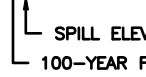




LEGEND

- | | | | |
|---|---------------------------------------|---|---|
|  | BUILDING OUTLINE (GROUND FLOOR) |  | PROPOSED STORM MANHOLE |
|  | PROPERTY LINE |  | PROPOSED SANITARY MANHOLE |
|  | EXTENTS OF ROOF ABOVE |  | PROPOSED CATCH BASIN |
|  | EXTENTS OF UNDERGROUND PARKING GARAGE |  | PROPOSED CB "1" |
|  | PROPOSED SWALE |  | PROPOSED FIRE HYDRANT |
|  | PROPOSED PERFORATED SUBDRAIN |  | MAJOR SYSTEM FLOW ROUTE |
| $\times 100.00$ | EXISTING SPOT ELEVATION |  | PROPOSED RETAINING WALL |
| $\times 100.00$ | PROPOSED SPOT ELEVATION |  | EXISTING RETAINING WALL TO BE RETAINED |
| $\times 100.00TC$ | PROPOSED TOP OF CURB ELEVATION | | |
| $\times 100.00BW$ | PROPOSED BOTTOM OF WALL ELEVATION | | |
| $\times 100.00TW$ | PROPOSED TOP OF WALL ELEVATION |  | SURFACE PONDING AREA |
| $\times 100.00TL$ | PROPOSED TOP OF LID ELEVATION |  | SPILL ELEVATION
100-YEAR FLOOD DEPTH |
| $\frac{1.00'}{1.00\%}$ | EXISTING GRADE AND DIRECTION | | |
| $\frac{1.00\%}{1.00\%}$ | PROPOSED GRADE AND DIRECTION | | |
|  | PROPOSED 3:1 TERRACING | | |
|  | PROPOSED/EXISTING SPOT ELEVATION | | |

NOT FOR CONSTRUCTION

TOPOGRAPHIC INFORMATION

TOPOGRAPHIC INFORMATION PROVIDED BY STANTEC
PROJ. NO. 161613750-111
DATED DECEMBER 5, 2018.

SITE PLAN INFORMATION

SITE PLAN PROVIDED BY HOBIN ARCHITECTURE INCORPORATED
PROJ. NO. CATHEDRAL HILL
DATED MARCH 11, 2019.

GEOTECHNICAL STUDY

GEOTECHNICAL RECOMMENDATIONS PROVIDED BY PATERSON GROUP
PROJ. NO. PG4271-1
DATED OCTOBER 23, 2017.

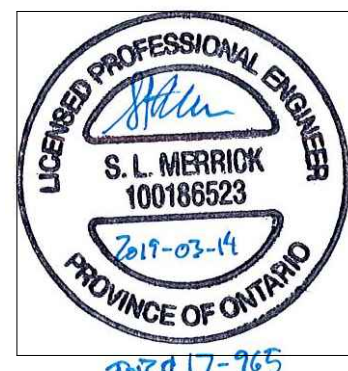
SITE SERVICING AND STORMWATER MANAGEMENT STUDY

SERVICING AND STORMWATER MANAGEMENT RECOMMENDATIONS PROVIDED BY DSEL
 PROJ. NO. 17-965
 DATED MARCH 2019

BENCH MARK

LOCATED TOP OF SPINDLE ON FIRE HYDRANT
ELEV= 72.184m

2	G.G.M.	19.03.14	1ST SUBMISSION
1	G.G.M.	19.03.01	ISSUED FOR CLIENT REVIEW
No.	BY	YY.MM.DD	DESCRIPTION



PROJECT No. 18-965

GRADING PLAN

OTTAWA RETIREMENT RESIDENCE BY SIGNATURE - 412 SPARKS STREET

CATHEDRAL HILLS GP INC. C/O:
REICHMANN SENIORS HOUSING
DEVELOPMENT CORP.

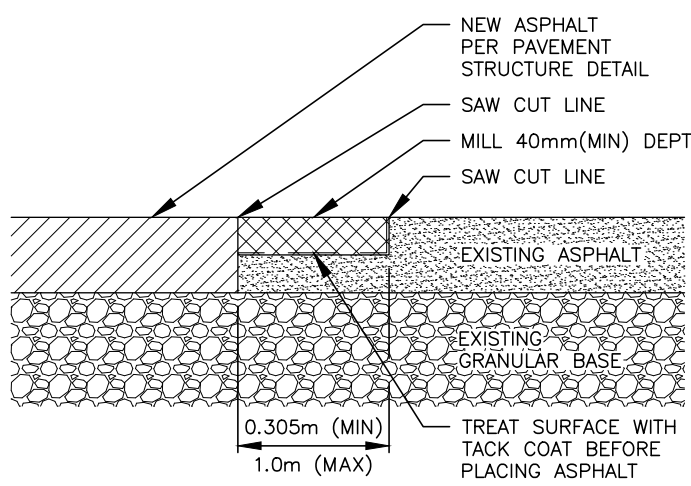
22 ST. CLAIR AVENUE EAST, SUITE 1200
TORONTO, ON
Tel. (416) 656-4087

DSEL
david schaeffer engineering llc
SMART SUBDIVISIONS

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

DRAWN BY:	G.G.M.	CHECKED BY:	S.L.M.	DRAWING NO.	SHEET NO.
DESIGNED BY:	S.L.M.	CHECKED BY:	S.L.M.	GP-1	2 of 4
SCALE:	1: 200	DATE:	MARCH 2019		

SAW CUT & KEY DETAIL



GENERAL NOTES

- [illegible]

SITE GRADING NOTES

1. PRIOR TO THE COMMENCEMENT OF THE SITE GRADING WORKS, ALL SILTATION CONTROL DEVICES SHALL BE INSTALLED AND OPERATIONAL PER EROSION CONTROL PLAN.
2. THE COMMENCEMENT OF PAVEMENT CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FOLLOWING:
- 2.1. ROAD/PARKING AREAS SHALL BE CONSTRUCTED IN ACCORDANCE WITH GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
- 2.2. ALL TOPSOIL AND ORGANIC MATERIAL SHALL BE STRIPPED WITHIN THE ROAD AND PARKING AREAS ALLOWANCE PRIOR TO THE COMMENCEMENT OF PAVEMENT CONSTRUCTION.
- 2.3. CONCRETE CURB SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA SDC.1.1. PROVISION SHALL BE MADE FOR CURBS TO BE CONSTRUCTED TO THE FINISHED GRADE OF THE SIDEWALKS. SIDEWALKS SHALL BE CONSTRUCTED TO THE FINISHED GRADE OF THE SIDEWALKS PRIOR TO THE CONTRACT.
- 2.4. ALL CURBS, CONCRETE ISLANDS, AND SIDEWALKS SHOWING ON THIS DRAWING ARE TO BE PRICED IN THE SIDEWALKS PORTION OF THE CONTRACT.
- 2.5. PAVEMENT REINSTATEMENT FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE WITH THE CITY OF OTTAWA SDC.1.1 AND OPSD 550.010, AND OPSD 310.
- 2.6. GRANULAR 'A' SHALL BE PLACED TO A MINIMUM THICKNESS OF 300mm around ALL STRUCTURES WITHIN THE PAVEMENT AREAS.
- 2.7. SUB-ECAVATE SOFT AREAS AND FILL WITH GRANULAR 'B' COMPACTED IN MAXIMUM 300mm LAYS.
- 2.8. ALL WORK ON THE MUNICIPAL RIGHT OF WAY AND EASEMENTS TO BE INSPECTED BY THE MUNICIPALITY PRIOR TO THE COMMENCEMENT OF THE WORK.
- 2.9. CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT 48 HOURS PRIOR TO COMMENCING ANY WORK WITHIN THE MUNICIPAL RIGHT OF WAY.
- 2.10. ALL PAVEMENT MARKING FEATURES AND SITE SIGNAGE 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.
- 2.11. ALL SIDEWALKS SHALL BE CONSTRUCTED TO THE FINISHED GRADE OF THE SIDEWALKS PRIOR TO THE COMMENCEMENT OF THE SIDEWALKS PORTION OF THE CONTRACT.
- 2.12. STEP JOINTS ARE TO BE USED WHERE PROPOSED ASPHALT MEETS EXISTING ASPHALT. ALL JOINTS MUST BE SEALED.
- 2.13. SIDEWALKS TO BE 13mm & 8 REVEAL AT 2-1 OR 6mm WITH NO REVEAL REQUIRED BELOW THE FINISHED FLOOR SLAB GRADE. ALL REVEALS TO BE SEALED WITH AN APPROPRIATE SEALER, UNLESS OTHERWISE NOTED, ALL IN ACCORDANCE WITH OGC 3.8.1.3 & OTTAWA ACCESSIBILITY DESIGN STANDARDS.
- 2.14. WHERE APPLICABLE THE CONTRACTOR IS TO SUBMIT SHOP DRAWINGS FOR RETAINING WALL (INCLUDING RAILINGS & BRACING) TO BE REVIEWED AND APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION. ALL SHOP DRAWINGS TO BE SIGNED AND SEALED BY A LICENSED STRUCTURAL ENGINEER. THE CONTRACTOR WILL ALSO BE REQUIRED TO SUPPLY A CURRENT GEOTECHNICAL CERTIFICATION OF THE AS-CONSTRUCTED RETAINING WALL TO THE ENGINEER PRIOR TO FINAL ACCEPTANCE.

PAVEMENT STRUCTURE

Figure 1 illustrates the typical cross-section of a road pavement structure, divided into two sections: **LIGHT DUTY** and **FIRE ROUTE / HEAVY DUTY**.

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

A horizontal double-headed arrow at the top indicates the transition between the two sections.