

**SOURCE REFERENCE:**  
 TOPOGRAPHIC PLAN OF SURVEY OF PART OF LOT "H" CONCESSION "D" (RIDEAU FRONT), PREPARED BY ANNIS, O-SULLIVAN, VOLLEBEKK LTD. ON DECEMBER 15, 2017.  
**TOPOGRAPHIC INFORMATION:**  
 HORIZONTAL DATUM: NAD 83 (ORIGINAL), MTM - ZONE 9  
 VERTICAL DATUM: CGVD2878  
 1. ANNIS, O-SULLIVAN, VOLLEBEKK LTD'S TOPOGRAPHIC PLAN OF SURVEY  
 2. NOVATECH TOPOGRAPHIC SURVEY, APRIL 2024

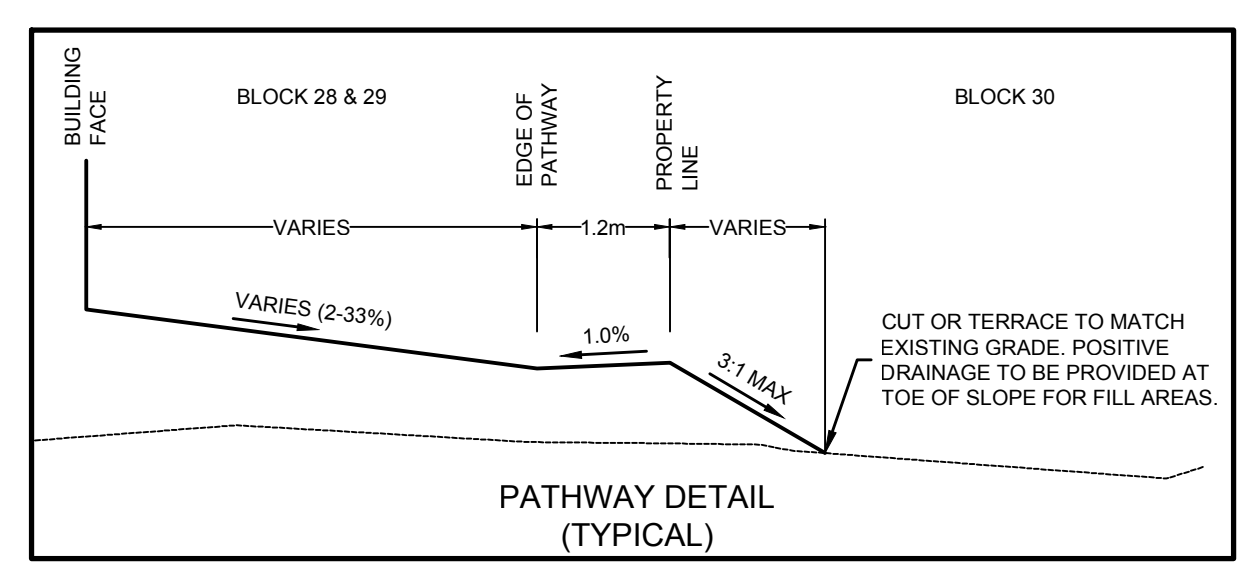
**LEGEND**

97.00	PROPOSED ELEVATION	●	EXISTING SANITARY MAINTENANCE HOLE
96.50	EXISTING GROUND ELEVATION	○	EXISTING STORM MAINTENANCE HOLE
97.00	PROPOSED ELEVATION (SUBDIVISION)	□	EXISTING CATCHBASIN
---	EXISTING CONTOUR AND ELEVATION	⊗	EXISTING VALVE & VALVE BOX LOCATION
	TERRACE TO EXISTING (3:1 MAX)	⊕	EXISTING HYDRANT
---	PROPOSED GRADING TIE-IN LIMITS	DC	EXISTING DEPRESSED CURB
●	PROPOSED SANITARY MAINTENANCE HOLE	⊗	EXISTING STREET LIGHT
○	PROPOSED STORM MAINTENANCE HOLE	---	LEAN CONCRETE REQUIRED UNDER FOOTING TO 3.5m BELOW FINISHED GRADE (FOOTING WITHIN 4.5m OF PROPOSED TREE)
CB	PROPOSED CATCHBASIN		
SP	PROPOSED STAND POST LOCATION		
DC	DEPRESSED CURB		

**PAVEMENT STRUCTURE:**

<b>DESCHÂTELETS AVENUE</b>	<b>CAR COURT AREAS</b>
40mm ASPHALT SP12.5 (LEVEL B)	50mm ASPHALT SP12.5 (LEVEL B)
50mm ASPHALT SP19.0 (LEVEL B)	150mm GRANULAR "A"
50mm ASPHALT SP19.0 (LEVEL B)	300mm GRANULAR "B"
150mm GRANULAR "A"	500mm TOTAL DEPTH
450mm GRANULAR "B"	
740mm TOTAL DEPTH	

- GRADING AND PAVEMENT NOTES:**
- ALL TOPSOIL, ORGANIC OR DELETERIOUS MATERIAL MUST BE ENTIRELY REMOVED FROM BENEATH THE PROPOSED HARD SURFACE (i.e. PAVEMENT, CURB, SIDEWALK, ETC.) AREAS AS DIRECTED BY THE SITE ENGINEER OR GEOTECHNICAL ENGINEER.
  - EXPOSED SUBGRADES IN PROPOSED PAVED AREAS SHOULD BE HEAVILY PROOF ROLLED WITH A LARGE (10 TON) VIBRATORY STEEL DRUM ROLLER UNDER DRY CONDITIONS AND INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO THE PLACEMENT OF GRANULARS.
  - ANY SOFT AREAS EVIDENT FROM THE PROOF ROLLING SHOULD BE SUB-EXCAVATED AND REPLACED WITH SUITABLE MATERIAL THAT IS FROST COMPATIBLE WITH THE EXISTING SOILS AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
  - THE GRANULAR BASE SHOULD BE PLACED IN MAXIMUM 300mm LIFTS AND COMPACTED TO AT LEAST 98% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY VALUE. ANY ADDITIONAL GRANULAR FILL USED BELOW THE PROPOSED PAVEMENT SHOULD BE PLACED IN MAXIMUM 300mm LIFTS AND COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY VALUE.
  - SUBGRADE TO BE INSPECTED BY THE GEOTECHNICAL ENGINEER AT THE TIME OF CONSTRUCTION TO REVIEW IF A WOVEN GEOTEXTILE IS REQUIRED BELOW THE GRANULAR MATERIALS, AND TO CONFIRM THE DEPTH AND COMPACTION OF GRANULAR "B".
  - PRIOR TO PLACEMENT OF WEAR COURSE ASPHALT, THE CONTRACTOR SHALL ADJUST ALL STRUCTURES TO FINAL GRADE PER CITY OF OTTAWA STANDARDS.
  - MINIMUM OF 2% GRADE FOR ALL GRASSED AREAS UNLESS OTHERWISE NOTED.
  - MAXIMUM TERRACING GRADE TO BE 3:1 UNLESS OTHERWISE NOTED.
  - ALL GRADES BY CURBS ARE EDGE OF PAVEMENT GRADES UNLESS OTHERWISE INDICATED.
  - ALL CURBS SHALL BE BARRIER CURB UNLESS OTHERWISE NOTED AND CONSTRUCTED PER CITY OF OTTAWA STANDARD (SC1.1).
  - ALL SIDEWALKS ARE TO HAVE 2% CROSSFALL UNLESS OTHERWISE NOTED. CROSSFALL IS TO BE DIRECTED AWAY FROM BUILDINGS AND PROPERTY LINES UNLESS OTHERWISE NOTED. WHERE PATHWAY TO HAVE 1% CROSSFALL, LONGITUDINAL FALL IS TO BE 2% MINIMUM.
  - REFER TO LANDSCAPE PLAN FOR PLANTING AND OTHER LANDSCAPE FEATURE DETAILS.
  - DESCHÂTELETS AVENUE IS A COLLECTOR ROADWAY. ALL ASPHALT USED FOR ROAD CUT REINSTATEMENTS SHALL BE LEVEL B (PG 58-34) PER R10 AND THE APPROVED SUBDIVISION PLANS.
  - ASPHALT TO BE PLACED IN LIFT THICKNESSES NOT EXCEEDING 60mm OR AS OTHERWISE RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
  - REFER TO "GEOTECHNICAL INVESTIGATION - PROPOSED RESIDENTIAL DEVELOPMENT - 295 & 355 DESCHÂTELETS AVENUE, PREPARED BY PATERSON GROUP, DATED FEBRUARY 1, 2024" FOR ADDITIONAL INFORMATION.



**NOTE:**  
 THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

No.	REVISION	DATE	BY
4.	REVISED PER CITY COMMENTS	NOV 29/24	TJM
3.	RE-ISSUED FOR SITE PLAN APPROVAL	OCT 17/24	TJM
2.	ISSUED FOR SITE PLAN APPROVAL	AUG 14/24	TJM
1.	ISSUED FOR DISCUSSION	APR 26/24	TJM

**SCALE**

1:250

DESIGN	SAM
CHECKED	TJM
DRAWN	SAM
CHECKED	TJM
APPROVED	TJM

**NOVATECH**  
 Engineers, Planners & Landscape Architects  
 Suite 200, 240 Michael Cowpland Drive  
 Ottawa, Ontario, Canada K2M 1P6  
 Telephone: (613) 254-9643  
 Facsimile: (613) 254-5867  
 Website: www.novatech-eng.com

**PROFESSIONAL ENGINEER**  
 T. J. MCKAY  
 100195434  
 November 29, 2023  
 PROVINCE OF ONTARIO

**LOCATION**  
 CITY OF OTTAWA  
 GREYSTONE VILLAGE

**DRAWING NAME**  
 BLOCK 29  
 GRADING PLAN

**PROJECT No.**  
 114025

**REV #**  
 REV #4

**DRAWING No.**  
 114025-FT-GR1

M:\2024\114025\CAD\Drawings\Grading\114025-FT-GR.dwg, FT.GRI, Nov 29, 2024, 3:59pm, Chanana

D07-12-24-0130