

- GRADING NOTES:**
- ALL TOPSOIL, ORGANIC OR DELETERIOUS MATERIAL MUST BE ENTIRELY REMOVED FROM BENEATH THE PROPOSED PAVED AREAS AS DIRECTED BY THE SITE ENGINEER OR GEOTECHNICAL ENGINEER.
  - NON-SPECIFIED EXISTING FILL, ALONG WITH SITE-EXCAVATED SOIL, CAN BE USED AS GENERAL LANDSCAPING FILL WHERE SETTLEMENT OF THE GROUND SURFACE IS OF MINOR CONCERN. THIS MATERIAL SHOULD BE SPREAD IN THIN LIFTS AND AT LEAST COMPACTED BY THE TRACKS OF THE SPREADING EQUIPMENT TO MINIMIZE VOIDS. IF THIS MATERIAL IS TO BE USED TO BUILD UP THE SUBGRADE LEVEL FOR AREAS TO BE PAVED, IT SHOULD BE COMPACTED IN THIN LIFTS TO AT LEAST 95% OF THE MATERIAL'S SPMD.
  - IF EXCAVATED BEDROCK IS TO BE USED AS FILL, IT SHOULD BE SUITABLY FRAGMENTED TO PRODUCE A WELL-GRADED MATERIAL WITH A MAXIMUM PARTICLE SIZE OF 300 MM. WHERE THIS FILL MATERIAL IS OPEN-GRADED, A WOVEN GEOTEXTILE MAY BE REQUIRED TO PREVENT ADJACENT FINER MATERIALS FROM MIGRATING INTO THE VOIDS, WITH ASSOCIATED LOSS OF GROUND AND SETTLEMENTS. THIS CAN BE ASSESSED AT THE TIME OF CONSTRUCTION.
  - EXPOSED SUB-GRADES IN PROPOSED PAVED AREAS SHOULD BE PROOF ROLLED WITH A LARGE STEEL DRUM ROLLER AND INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO THE PLACEMENT OF GRANULARS.
  - IF SOFT SPOTS DEVELOP IN THE SUBGRADE DURING COMPACTION OR DUE TO CONSTRUCTION TRAFFIC, THE AFFECTED AREAS SHOULD BE EXCAVATED AND REPLACED WITH OPSS GRANULAR B TYPE II MATERIAL.
  - FILL USED FOR GRADING BENEATH THE BASE AND SUB-BASE LAYERS OF PAVED AREAS SHOULD CONSIST, UNLESS OTHERWISE SPECIFIED, OF CLEAN IMPORTED GRANULAR FILL, SUCH AS OPSS GRANULAR A, GRANULAR B TYPE I OR SELECT SUB-GRADE MATERIAL. THIS MATERIAL SHOULD BE TESTED AND APPROVED PRIOR TO DELIVERY TO THE SITE. THE FILL SHOULD BE PLACED IN LIFTS NO GREATER THAN 300mm THICK AND COMPACTED USING SUITABLE COMPACTION EQUIPMENT FOR THE LIFT THICKNESS. FILL PLACED BENEATH THE PAVED AREAS SHOULD BE COMPACTED TO AT LEAST 100% OF ITS SPMD.
  - THE PAVEMENT GRANULAR BASE AND SUBBASE SHOULD BE PLACED IN MAXIMUM 300 MM THICK LIFTS AND COMPACTED TO A MINIMUM OF 99% OF THE MATERIAL'S SPMD USING SUITABLE VIBRATORY EQUIPMENT.
  - THE TRANSITION BETWEEN THE PAVEMENT STRUCTURE OVER THE PODIUM DECK SUBGRADE AND SOIL SUBGRADE BEYOND THE FOOTPRINT OF THE PODIUM DECK IS RECOMMENDED TO BE TRANSITIONED TO MATCH THE EXISTING PAVEMENT STRUCTURES. FOR THIS TRANSITION, A SH-1V IS RECOMMENDED BETWEEN THE TWO SUBGRADE SURFACES. FURTHER, THE BASE LAYER THICKNESS SHOULD BE INCREASED TO A MINIMUM THICKNESS OF 500 MM BELOW THE TOP OF THE PODIUM SLAB A MINIMUM OF 1.5 M FROM THE FACE OF THE FOUNDATION WALL PRIOR TO PROVIDING THE RECOMMENDED TAPER.
  - MINIMUM OF 2% GRADE FOR ALL GRASS 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 (150mm) UNLESS OTHERWISE NOTED.
  - BACKFILL MATERIAL BELOW SIDEWALK AND WALKWAY SUB-GRADE OR OTHER SETTLEMENT SENSITIVE STRUCTURES WHICH ARE NOT ADJACENT TO THE BUILDINGS SHOULD CONSIST OF FREE DRAINING, NON-FROST SUSCEPTIBLE MATERIAL. THIS MATERIAL SHOULD BE PLACED IN MAXIMUM 300mm LOOSE LIFTS AND COMPACTED TO AT LEAST 98% OF ITS SPMD UNDER DRY, AND ABOVE FREEZING, CONDITIONS.
  - REFER TO LANDSCAPE PLAN FOR PLANTING AND OTHER LANDSCAPE FEATURE DETAILS.
  - CONTRACTOR TO PROVIDE THE CONSULTANT WITH A GRADING PLAN INDICATING AS-BUILT ELEVATIONS OF ALL DESIGN GRADES SHOWN ON THIS PLAN.

- PAVEMENT STRUCTURE:**
- PODIUM DECK - CAR ONLY PARKING AREAS**
- 50mm HLB OR SUPERPAVE 12.5
  - 200mm OPSS GRAN "A" CRUSHED STONE
  - 101.6mm RIGID INSULATION
  - 31.8mm WATERPROOFING MEMBRANE AND PROTECTION BOARD (SUBGRADE - REINFORCED CONCRETE PODIUM DECK)
- PODIUM DECK - ACCESS LANE, FIRE TRUCK LANE**
- 40mm HLB OR SUPERPAVE 12.5
  - 50mm HLB OR SUPERPAVE 19.0
  - 300mm OPSS GRAN "A" CRUSHED STONE
  - 101.6mm RIGID INSULATION
  - 31.8mm WATERPROOFING MEMBRANE AND PROTECTION BOARD (SUBGRADE - REINFORCED CONCRETE PODIUM DECK)

**NOTE:**

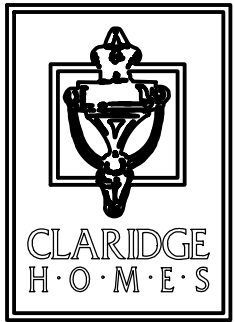
- MINIMUM PERFORMANCE GRADED (PG) 58-34 ASPHALT CEMENT.

- LEGEND**
- |  |                                     |
|--|-------------------------------------|
| PROPERTY LINE                          | EXISTING DEPRESSION CURB            |
| PROPOSED CURB                          | EXISTING HYDRO TRANSFORMER          |
| PROPOSED DEPRESSION CURB               | EXISTING BOLLARD                    |
| PROPOSED LIMIT OF UNDERGROUND PARKING  | EXISTING WATER STANDPIPE            |
| PROPOSED ELEVATION                     | EXISTING LAMP STANDARD              |
| EXISTING ELEVATION                     | EXISTING UTILITY POLE               |
| PROPOSED TOP OF CURB ELEVATION         | EXISTING TOP OF VALVE               |
| PROPOSED TOP OF WALL ELEVATION         | EXISTING TOP OF GRATE               |
| PROPOSED BOTTOM OF WALL ELEVATION      | EXISTING CATCH BASIN                |
| PROPOSED AREA DRAIN ELEVATION          | EXISTING FIRE HYDRANT               |
| PROPOSED GAS METER                     | EXISTING SANITARY MANHOLE           |
| PROPOSED REMOTE WATER METER            | EXISTING STORM MANHOLE              |
| PROPOSED SIAMESE CONNECTION            | EXISTING VALVE & VALVE BOX          |
| PROPOSED RETAINING WALL C/W GUARD RAIL | EXISTING OVERHEAD WIRES             |
| SLOPE AND DIRECTION                    | EXISTING TREES / VEGETATION         |
| DIRECTION OF MAJOR OVERLAND FLOW       | EXISTING UTILITY POLE C/W GUY WIRES |
| PROPOSED AREA DRAIN                    | EXISTING FENCE                      |
| PROPOSED TRENCH DRAIN                  | PROPOSED CONCRETE SIDEWALK          |
| PROPOSED CONCRETE SIDEWALK             | PROPOSED CONCRETE PAVERS            |
| PROPOSED CONCRETE PAVERS               |                                     |
| PROPOSED STRUCTURAL COLUMN             |                                     |
| PROPOSED BUILDING ENTRANCE             |                                     |
| PROPOSED FENCE (REFER TO ARCH)         |                                     |
| PROPOSED BIKE RACK                     |                                     |

**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.

**CLARIDGE HOMES**  
505 PRESTON STREET,  
OTTAWA, ONTARIO  
K1S 4N7.



13.	REVISED PER CITY COMMENTS	JUL 29/25	GJM	8.	ISSUED FOR TENDER	MAY 16/24	GJM
12.	REVISED DRAINAGE CATCHMENTS	JUNE 23/25	GJM	7.	ISSUED FOR CONSTRUCTION	MAY 2/24	GJM
11.	REVISED PER CITY COMMENTS	MAY 26/25	GJM	6.	WATER SERVICING ALTERATIONS	MAR 22/24	GJM
10.	REVISED PER CITY COMMENTS	JAN 23/25	GJM	5.	REVISED PER CITY COMMENTS	MAR 20/24	GJM
9.	REVISED SPA TO INCLUDE ENTIRE PARKING GARAGE FOR 141 GEORGE, 110 & 116 YORK	SEPT 24/24	GJM	4.	REVISED PER CITY COMMENTS	MAR 12/24	GJM
No.				No.			
REVISION				REVISION			
DATE				DATE			
BY				BY			

SCALE

1:300

1:300

DESIGN

ARM/CJF

CHECKED

GJM

ARM/CJF

ARM

CHECKED

GJM



LOCATION CITY OF OTTAWA 137, 141 GEORGE ST, 110, 116 YORK ST, AND 321, 325 DALHOUSIE ST		PROJECT No.	112142
DRAWING NAME GRADING PLAN (GEORGE)		REV	REV #13
		DRAWING No.	112142-GR-G