

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 II 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 50:50 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 CURBS (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 90% 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 H/L3 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, RAMP AND HEAVY TRUCK PARKING AREAS**
- 40mm H/L3 OR SUPERPAVE 12.5
 - 50mm H/L3 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
- PROPOSED CURB
- PROPOSED DEPRESSED CURB
- PROPOSED LIMIT OF UNDERGROUND PARKING
- PROPOSED LIMIT OF BUILDING OVERHANG
- PROPOSED ELEVATION
- EXISTING ELEVATION
- EXISTING TOP OF CURB ELEVATION
- PROPOSED TOP OF CURB ELEVATION
- PROPOSED HIGH POINT
- PROPOSED SLOPE
- PROPOSED WATER VALVE LOCATION
- PROPOSED GAS METER
- PROPOSED REMOTE WATER METER
- PROPOSED SIEMSE CONNECTION
- PROPOSED RETAINING WALL C/W GUARD RAIL
- SLOPE AND DIRECTION
- DIRECTION OF MAJOR OVERLAND FLOW
- PROPOSED AREA DRAIN
- EXISTING DEPRESSED CURB
- EXISTING HYDRO TRANSFORMER
- EXISTING BOLLARD
- EXISTING WATER STANDPIPE
- EXISTING LAMP STANDARD
- EXISTING UTILITY POLE
- EXISTING TOP OF VALVE
- EXISTING TOP OF GRATE
- EXISTING CATCH BASIN
- EXISTING FIRE HYDRANT
- EXISTING SANITARY MANHOLE
- EXISTING STORM MANHOLE
- EXISTING VALVE & VALVE BOX
- EXISTING OVERHEAD WIRES
- EXISTING TREES / VEGETATION
- EXISTING CURB
- EXISTING UTILITY POLE C/W GUY WIRES
- EXISTING FENCE

REFER TO 112142-ND FOR ADDITIONAL NOTES & DETAILS

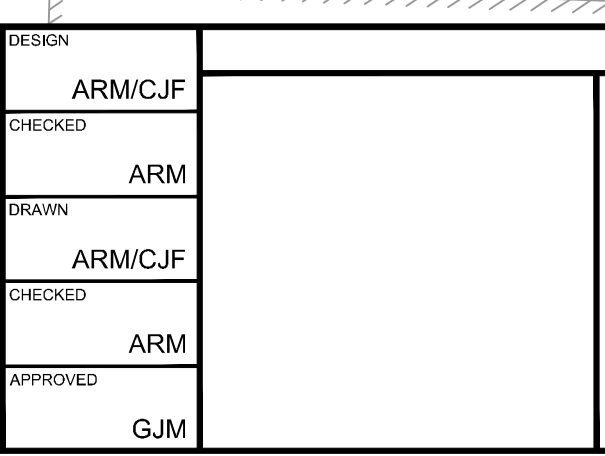
NOTE:
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE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

CLARIDGE HOMES
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No.	REVISION	DATE	BY	No.	REVISION	DATE	BY
8.	ISSUED FOR TENDER	MAY 16/24	GJM	1.	ISSUED FOR FOUNDATION PERMIT	AUG 11/23	GJM
7.	ISSUED FOR CONSTRUCTION	MAY 2/24	GJM	2.	ISSUED FOR PERMIT	DEC 2/23	GJM
6.	WATER SERVICES ALTERATIONS	MAR 22/24	GJM	3.	ISSUED FOR TENDER	FEB 02/24	GJM
5.	REVISED PER CITY COMMENTS	MAR 20/24	GJM	4.	REVISED PER CITY COMMENTS	MAR 12/24	GJM
4.	REVISED PER CITY COMMENTS	MAR 12/24	GJM	5.	REVISED SPA TO INCLUDE ENTIRE PARKING GARAGE FOR 141 GEORGE, 110 & 116 YORK	SEPT 24/24	GJM
3.	ISSUED FOR TENDER	FEB 02/24	GJM				
2.	ISSUED FOR PERMIT	DEC 2/23	GJM				
1.	ISSUED FOR FOUNDATION PERMIT	AUG 11/23	GJM				

SCALE	DESIGN
1:300	ARM/CJF
	CHECKED
	ARM
	DRAWN
	ARM/CJF
	CHECKED
	ARM
	APPROVED
	GJM



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LOCATION	CITY OF OTTAWA	PROJECT No.
141 GEORGE STREET		112142
GRADING NAME	GRADING PLAN	REV #
(PHASE 2)		REV # 9
		DRAWING No.
		112142-GR