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LOCATION CITY OF OTTAWA 110-116 YORK STREET		PROJECT NO. 112142
DRAWING NAME GRADING PLAN		REV REV # 3
		DRAWING NO. 112142-GR-Y

1. ALL TOPSOIL, ORGANIC OR DELETERIOUS MATERIAL SHALL BE ENTIRELY REMOVED FROM BENEATH THE PROPOSED PAVED AREAS AS DIRECTED BY THE SITE ENGINEER OR GEOTECHNICAL ENGINEER.
2. 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 NON-SPECIFIED FILL SHOULD BE PLACED IN LIFTES 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, FILL AREAS TO BE PAVED, IT SHOULD BE COMPACTED IN THIN LIFTS TO AT LEAST 95% OF THE MATERIAL'S SPMD.
3. 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 MATERIALS FROM MIGRATING INTO THE VOIDS, WITH ASSOCIATED LOSS OF DRAINAGE AND SETTLEMENTS. THIS CAN BE ASSESSED AT THE TIME OF CONSTRUCTION.
4. EXPOSED SUB-GRADERS IN PROPOSED PAVED AREAS SHOULD BE PROOF ROLLED WITH A LARGE STEEL ROLLER AND INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO THE PLACEMENT OF GRANULARS.
5. IF HOT 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.
6. FILL USED FOR GRANULAR B TYPE II BASE AND SUB-BASE LAYERS OF PAVED AREAS SHOULD CONFORM TO ANY 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 THICKER THAN 300MM. THE SUBGRADE SHOULD BE PROOF ROLLED WITH A LARGE STEEL ROLLER. THE FILL PLACED BENEATH THE PAVED AREAS SHOULD BE COMPACTED TO AT LEAST 100% OF ITS SPMD.
7. THE PAVEMENT GRANULAR BASE AND SUBBASE SHOULD BE PLACED IN MAXIMUM 300 MM THICK LIFTS, COMPACTED TO A MINIMUM OF 90% OF THE MATERIAL'S SPMD USING SUITABLE VIBRATORY EQUIPMENT.
8. THE TRANSITION BETWEEN THE PAVEMENT STRUCTURE OVER THE PODIUM DECK SUBGRADE AND SOIL SUBGRADE BEYOND THE FOOTING OF THE PODIUM DECK IS RECOMMENDED TO BE TRANSITIONED TO MATCH THE EXISTING PAVEMENT STRUCTURES. FOR THIS TRANSITION, A 50 MM VIBRATORY SUB-BASE SHOULD BE PLACED BETWEEN THE SUBGRADE AND SUBBASE. THE SUB-BASE SHOULD BE INCREASED TO A MINIMUM THICKNESS OF 800 MM BELOW THE TOP OF THE PODIUM SLAB AND 1.5 M FROM THE FACE OF THE FOUNDATION WALL PRIOR TO PROVIDING THE RECOMMENDED TAPER.
9. MINIMUM OF 2% GRADE FOR ALL GRASS AREAS UNLESS OTHERWISE NOTED.
10. MAXIMUM TERRACING GRADE TO BE 3:1 UNLESS OTHERWISE NOTED.
11. ALL GRADGES BY CURBS ARE EDGE OF PAVEMENT GRADGES UNLESS OTHERWISE INDICATED.
12. ALL CURBS SHALL BE BARRIER CURB (150mm) UNLESS OTHERWISE NOTED.
13. 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 LIFTS AND COMPACTED TO AT LEAST 98% OF ITS SPMD UNDER DRY, AND ABOVE FREEZING, CONDITIONS.
14. REFER TO LANDSCAPE PLAN FOR PLANTING AND OTHER LANDSCAPE FEATURE DETAILS.
15. CONTRACTOR TO PROVIDE THE CONSULTANT WITH A GRADING PLAN INDICATING AS-BUILT ELEVATIONS OF ALL DESIGN GRADGES SHOWN ON THIS PLAN.

PODIUM DECK - CAR ONLY PARKING AREAS

- 50mm H/3 OR SUPERVAPE 12.5
- 200mm OPSF GRAN "A" CRUSHED STONE
- 101.6mm RIGID INSULATION
- 31.8mm WATERPROOFING MEMBRANE AND PROTECTION BOARD

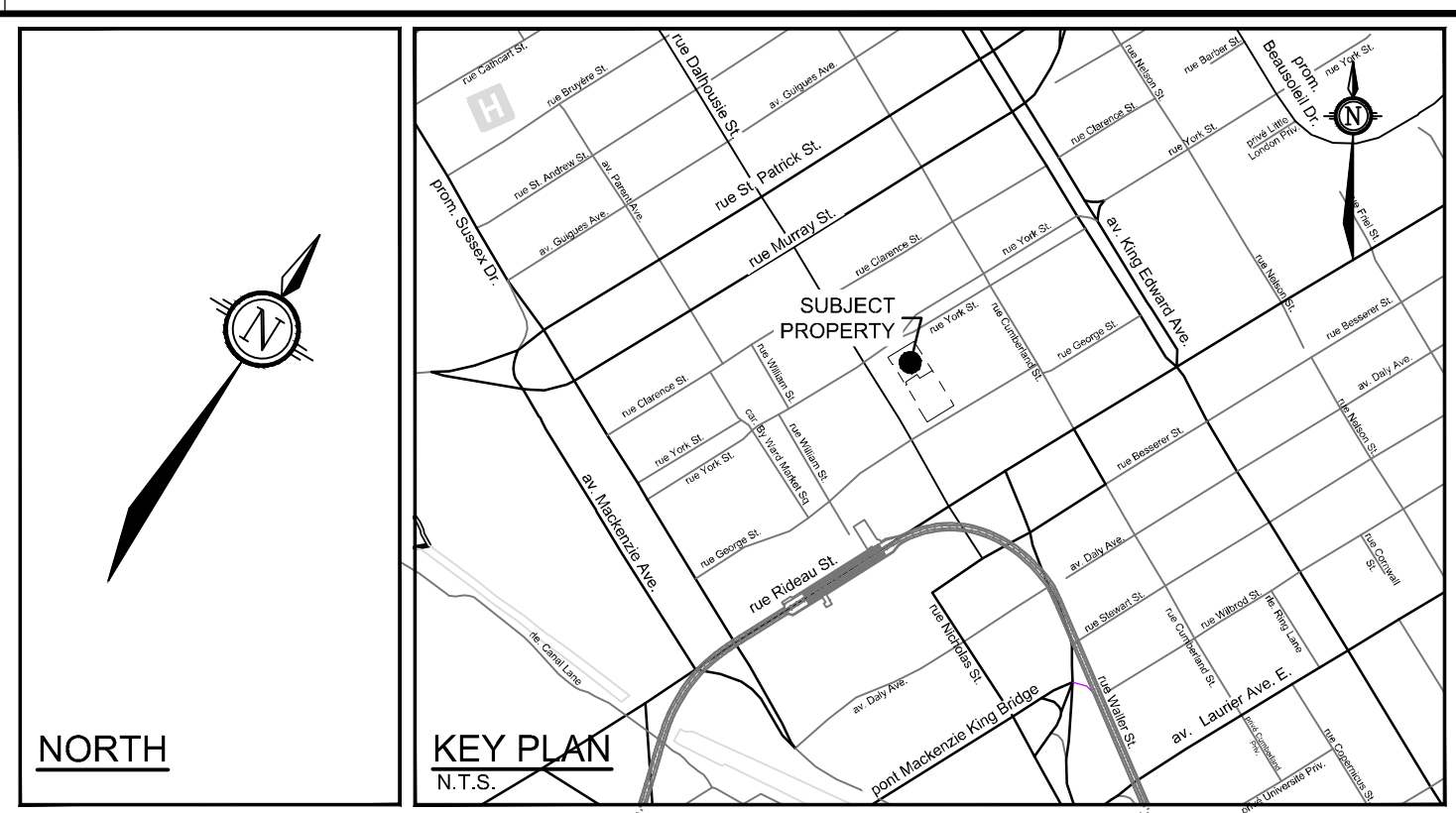
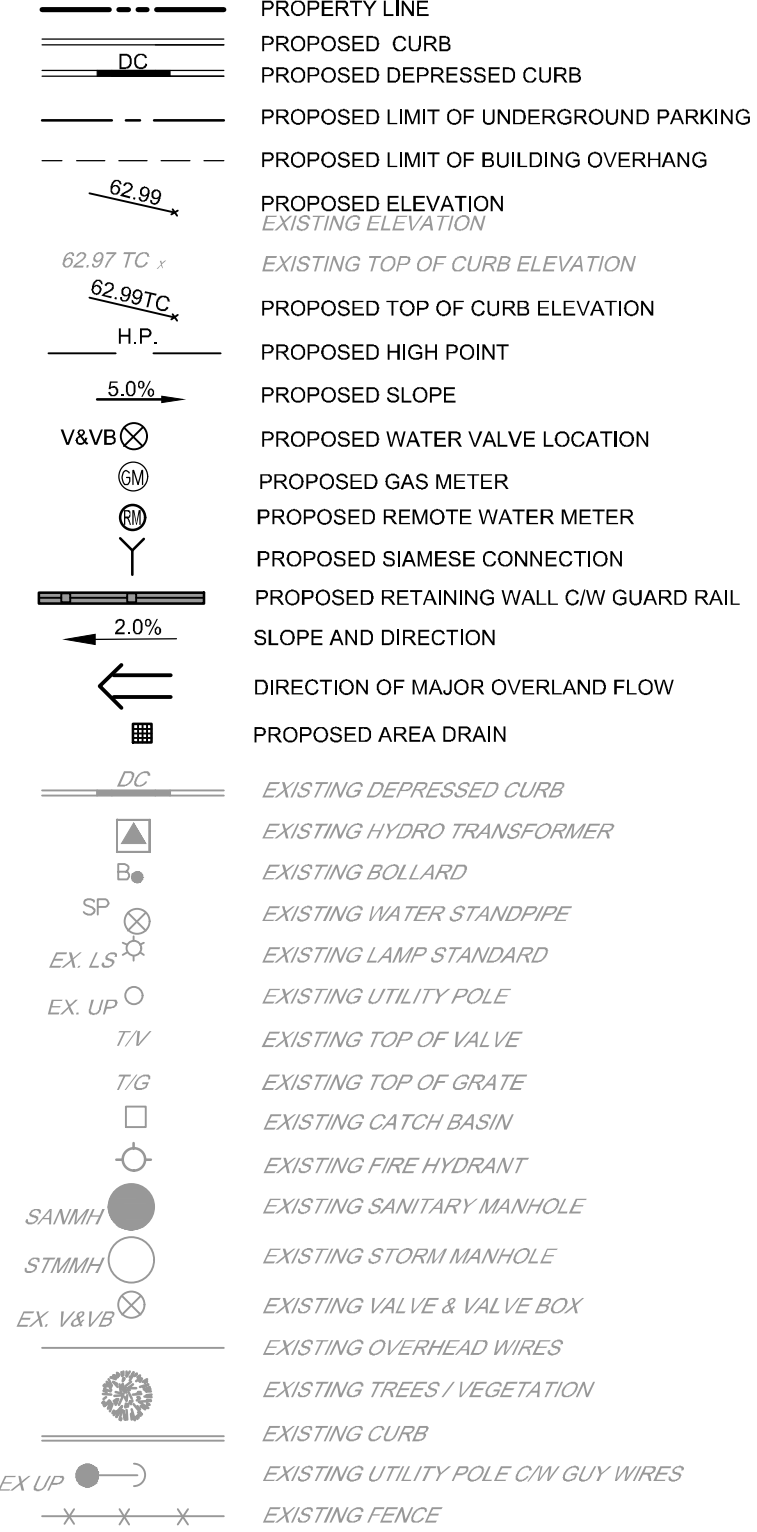
(SUBGRADE - REINFORCED CONCRETE PODIUM DECK)

PODIUM DECK - ACCESS LANE, FIRE TRUCK LANE, RAMP AND HEAVY TRUCK PARKING AREAS

- 40mm H/3 OR SUPERVAPE 12.5
- 50mm H/3 OR SUPERVAPE 19.0
- 300mm OPSF GRAN "A" CRUSHED STONE
- 101.6mm RIGID INSULATION
- 31.8mm WATERPROOFING MEMBRANE AND PROTECTION BOARD

(SUBGRADE - REINFORCED CONCRETE PODIUM DECK)

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



REFER TO 112142-ND FOR ADDITIONAL NOTES & DETAILS