

- LEGEND**
- |   |                                    |                                |
|---|------------------------------------|--------------------------------|
| DC  | PROPOSED BARRIER CURB              | EXISTING VALVE & VALVE BOX     |
| PROPOSED DEPRESSION CURB                          | PROPOSED SIDEWALK                  | EXISTING VALVE & LEAD          |
| PROPOSED TACTILE WALKING SURFACE INDICATOR (TWIS) | PROPOSED BUILDING ENTRANCE         | EXISTING SANITARY MANHOLE      |
| PROPOSED ELEVATION                                | PROPOSED DEPRESSION CURB ELEVATION | EXISTING STORM MANHOLE         |
| EXISTING ELEVATION TO REMAIN                      | EXISTING TOP SURVEY ELEVATION      | EXISTING UTILITY POLE          |
| PROPOSED EXISTING HIGHPOINT                       | PROPOSED DECK DRAIN                | EXISTING STREETLIGHT           |
| PROPOSED VALVE AND VALVE BOX                      | PROPOSED BUILDING ENTRANCE         | EXISTING ROAD SIGNAGE          |
| SLOPE AND DIRECTION                               | PROPOSED BIKE RACKS                | EXISTING TREE                  |
| DIRECTION OF MAJOR OVERLAND FLOW                  | PROPOSED CROSSWALK PAINTING        | EXISTING DITCH BOTTOM OF SLOPE |
| PROPOSED LINE PAINTING                            | PROPOSED TERRACING                 |                                |
| PROPOSED BOLLARDS                                 |                                    |                                |

- GENERAL NOTES:**
- COORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
  - DETERMINE THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION. PROTECT AND ASSUME RESPONSIBILITY FOR ALL EXISTING UTILITIES WHETHER OR NOT SHOWN ON THIS DRAWING.
  - OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF OTTAWA BEFORE COMMENCING CONSTRUCTION.
  - BEFORE COMMENCING CONSTRUCTION OBTAIN AND PROVIDE PROOF OF COMPREHENSIVE, ALL RISK AND OPERATIONAL LIABILITY INSURANCE FOR \$5,000,000.00. INSURANCE POLICY TO NAME OWNERS, ENGINEERS AND ARCHITECTS AS CO-INSURED.
  - RESTORE ALL DISTURBED AREAS ON-SITE AND OFF-SITE, INCLUDING TRENCHES AND SURFACES ON PUBLIC ROAD ALLOWANCES TO EXISTING CONDITIONS OR BETTER TO THE SATISFACTION OF THE CITY OF OTTAWA AND ENGINEER.
  - REMOVE FROM SITE ALL EXCESS EXCAVATED MATERIAL, ORGANIC MATERIAL AND DEBRIS UNLESS OTHERWISE INSTRUCTED BY ENGINEER. EXCAVATE AND REMOVE FROM SITE ANY CONTAMINATED MATERIAL. ALL CONTAMINATED MATERIAL SHALL BE DISPOSED OF AT A LICENSED LANDFILL FACILITY.
  - ALL DIMENSIONS AND INVERTS MUST BE VERIFIED PRIOR TO CONSTRUCTION. IF THERE IS ANY DISCREPANCY THE CONTRACTOR IS TO NOTIFY THE ENGINEER PROMPTLY.
  - ALL ELEVATIONS ARE GEODETIC (CVGD28). THE SITE BENCHMARK IS CURRENTLY SET ON TOP OF THE FIRE HYDRANT SPINDLE (ELEV. = 80.45), LOCATED AT THE SOUTHWEST CORNER OF THE EXISTING ENTRANCE OFF LEGGET DRIVE. REFER TO THE FAIRBANK, MOFFATT & WOODLAND LIMITED TOPOGRAPHIC SURVEY OF PART OF LOT 4 CONCESSION 4, GEOGRAPHIC TOWNSHIP OF MARCH, CITY OF OTTAWA.
  - THE GEOTECHNICAL CONSULTANT IS TO REVIEW ON-SITE CONDITIONS AFTER EXCAVATION PRIOR TO PLACEMENT OF THE GRANULAR MATERIAL.
  - REFER TO ARCHITECT'S AND LANDSCAPE ARCHITECT'S DRAWINGS FOR BUILDING AND HARDSURFACE AREAS AND DIMENSIONS.
  - REFER TO SERVING AND STORMWATER MANAGEMENT REPORT PREPARED BY NOVATECH ENGINEERING CONSULTANTS LTD. R-2024-083 (DATED JULY 8, 2025).
  - SAW CUT AND KEY GRIND ASPHALT AT ALL ROAD CUTS AND ASPHALT TIE IN POINTS AS PER CITY OF OTTAWA STANDARDS (R10).
  - PROVIDE LINE/PARKING PAINTING.
  - CONTRACTOR TO PROVIDE THE CONSULTANT WITH A GENERAL PLAN OF SERVICES INDICATING ALL SERVING AS-BUILT INFORMATION SHOWN ON THIS PLAN AS-BUILT INFORMATION MUST INCLUDE: PIPE MATERIAL, SIZES, LENGTHS, SLOPES, INVERT AND TIS ELEVATIONS, STRUCTURE LOCATIONS, VALVE AND HYDRANT LOCATIONS, TWM ELEVATIONS AND ANY ALIGNMENT CHANGES, ETC.
  - CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT FOR CONSTRUCTION PURPOSES.

- 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 COULD BE PLACED AS GENERAL LANDSCAPING FILL AND BENEATH EXISTING PAVED AREAS WHERE SETTLEMENT OF THE GROUND IS OF MINOR CONCERN. THESE MATERIALS SHOULD BE SPREAD IN MAXIMUM 300mm THICK LOOSE LIFTS AND COMPACTED BY THE TRACKS OF THE SPREADING EQUIPMENT TO MINIMIZE VOIDS. IF THE MATERIAL IS TO BE USED TO BUILD UP THE SUB-GRADE LEVEL FOR AREAS TO BE PAVED, IT SHOULD BE COMPACTED IN MINIMUM 300mm THICK LIFTS TO AT LEAST 95% OF THE MATERIALS SPMD. THE PAVEMENT OF SUB-GRADE MATERIAL SHOULD BE REVIEWED AT THE TIME OF PLACEMENT, BY THE GEOTECHNICAL ENGINEER'S PERSONNEL (PATERSON GROUP).
  - 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.
  - 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.
  - 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.
  - 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.

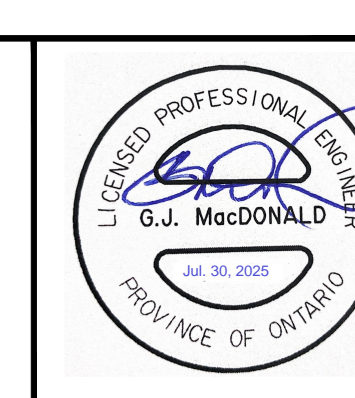
NOTE:  
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK,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

| No. | REVISION                  | DATE      | BY  |
|-----|---------------------------|-----------|-----|
| 9.  | REVISED PER CITY COMMENTS | JUL 30/25 | ARM |

| No. | REVISION                             | DATE      | BY  |
|-----|--------------------------------------|-----------|-----|
| 8.  | REVISED ENTRANCE GRADING             | MAR 06/25 | ARM |
| 7.  | ISSUED FOR TENDER                    | FEB 28/25 | ARM |
| 6.  | ADDITION OF DOWNSPOUT CONNECTION     | FEB 14/25 | ARM |
| 5.  | REVISED ENTRY ELEVATIONS             | FEB 10/25 | ARM |
| 4.  | ISSUED FOR BUILDING PERMIT           | JAN 24/25 | GJM |
| 3.  | REVISED PER CITY COMMENTS            | JAN 15/25 | ARM |
| 2.  | RE-ISSUED WITH SITE PLAN APPLICATION | NOV/20/24 | GJM |
| 1.  | ISSUED WITH SITE PLAN APPLICATION    | OCT/29/24 | GJM |

| SCALE      |
|------------|
| 1:300      |
| 0 3 6 9 12 |

|          |         |
|----------|---------|
| DESIGN   | CJF/ARM |
| CHECKED  | GJM/ARM |
| DRAWN    | CJF     |
| CHECKED  | GJM/ARM |
| APPROVED | GJM     |



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

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|--|------------------------------|-----------------------|------------------|
| LOCATION<br>CITY OF OTTAWA<br>635 LEGGET DRIVE | DRAWING NAME<br>GRADING PLAN | PROJECT No.<br>124045 | REV #<br>REV # 9 |
| DRAWING No.<br>124045-GR                       |                              | DATE<br>JUL 30, 2025  |                  |