



LEGEND

| | | | |
|-------|---------------------------------------|-----|--|
| 2.5% | PROPOSED GRADE AND DIRECTION OF FLOW | TF | TOP OF FOUNDATION |
| 76.90 | PROPOSED ELEVATION | FF1 | FINISHED FLOOR ELEVATION - 1 ST FLOOR |
| | PROPOSED ELEVATION EXISTING ELEVATION | FF0 | FINISHED FLOOR ELEVATION - BASEMENT |
| | PROPOSED TOP OF WALL ELEVATION | EP | EDGE OF PAVEMENT |
| | PROPOSED BOTTOM OF WALL ELEVATION | TC | TOP OF CURB |
| | EXISTING ELEVATION | BS | BACK OF SIDEWALK |
| | TERRACING (3:1 MAX) | TS | TOP OF SLOPE |
| | PROPOSED RETAINING WALL | DC | DEPRESSED CURB |
| | MAJOR OVERLAND FLOW DIRECTION | | MAX STATIC PONDING LIMITS |
| | EXISTING CONTOUR AND ELEVATION | | 100-YR PONDING LIMITS |
| | ROOF DRAIN OUTLET | | 100-YR +20% PONDING LIMITS |

- GENERAL NOTES:**
- DIMENSIONS AND LAYOUT INFORMATION SHALL BE CONFIRMED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - THE ORIGINAL TOPOGRAPHY AND GROUND ELEVATIONS, SERVICING AND SURVEY INFORMATION SHOWN ON THIS PLAN ARE SUPPLIED FOR INFORMATION PURPOSES ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE ACCURACY OF ALL INFORMATION OBTAINED FROM THIS PLAN.
 - CO-ORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
 - BEFORE COMMENCING CONSTRUCTION, PROVIDE PROOF OF COMPREHENSIVE ALL RISK AND OPERATIONAL LIABILITY INSURANCE INCLUDING BLASTING, INSURANCE POLICY TO NAME THE OWNER, ENGINEER AND THE CITY AS CO-INSURED. AMOUNT OF INSURANCE TO BE SPECIFIED BY OWNER'S AGENT.
 - CONNECT TO EXISTING SYSTEMS AS DETAILED, INCLUDING ALL RESTORATION WORK NECESSARY TO REINSTATE SURFACES TO EXISTING CONDITIONS OR BETTER.
 - DETERMINE THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION. PROTECT AND ASSUME ALL RESPONSIBILITY FOR ALL EXISTING UTILITIES WHETHER OR NOT SHOWN ON THESE DRAWINGS.
 - OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS BEFORE COMMENCING CONSTRUCTION.
 - RESTORE ALL TRENCHES AND SURFACE FEATURES TO EXISTING CONDITIONS OR BETTER AND TO THE SATISFACTION OF CITY OF OTTAWA AUTHORITIES.
 - ASPHALT RESTORATION SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA DETAIL R-10. THICKNESS OF GRANULAR MATERIAL AND ASPHALT LAYERS TO MATCH EXISTING. BOULEVARDS SHALL BE REINSTATE WITH 100mm OF TOPSOIL, SEED AND MULCH.
 - REMOVE FROM SITE ALL EXCESS EXCAVATED MATERIAL UNLESS OTHERWISE INSTRUCTED BY ENGINEER.
 - ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS.
 - ASPHALT WALKWAY TO BE CONSTRUCTED PER CITY STANDARD SC 20.
 - REFER TO GEOTECHNICAL INVESTIGATION (DATED APRIL 4, 2018), PREPARED BY GEMTEC FOR SUBSURFACE CONDITIONS AND CONSTRUCTION RECOMMENDATIONS.
 - PERFORATED PIPE SUB-DRAINS TO BE PROVIDED AT SUBGRADE LEVEL EXTENDING FROM THE ROADSIDE CATCHBASIN FOR A DISTANCE OF 3.0m, PARALLEL TO THE CURB IN TWO DIRECTIONS.
 - DECOMMISSIONING OF ALL MONITORING WELLS AND DRINKING WATER WELLS SHALL BE CARRIED OUT AND IN ACCORDANCE WITH O. REG. 903. ANY SEPTIC SYSTEM OR AGRICULTURAL TILES DRAINS SHALL BE DECOMMISSIONED PRIOR TO ISSUANCE OF COMMENCE WORK NOTIFICATION.

- 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 98% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY VALUE.
 - ROADWAY 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 GRANULARITY.
 - PRIOR TO PLACEMENT OF TOPLIFT, THE CONTRACTOR SHALL ADJUST ALL STRUCTURES TO FINAL GRADE PER CITY OF OTTAWA STANDARDS.
 - 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 UNLESS OTHERWISE NOTED AND CONSTRUCTED PER CITY OF OTTAWA STANDARD (SC1.1).
 - REFER TO LANDSCAPE PLAN FOR PLANTING AND OTHER LANDSCAPE FEATURE DETAILS.



PONDING

| PONDING ID | STRUCTURE | 100 YEAR PONDING ELEVATION | 100 YEAR PONDING DEPTH (m) | 100 YEAR + 20% PONDING ELEVATION | 100 YEAR + 20% PONDING DEPTH (m) | MAX STATIC PONDING ELEVATION | MAX STATIC PONDING DEPTH (m) |
|------------|-----------|----------------------------|----------------------------|----------------------------------|----------------------------------|------------------------------|------------------------------|
| P1 | CBMH1 | 78.06 | 0.23 | 78.11 | 0.28 | 78.13 | 0.30 |
| P2 | CB2 | 77.84 | 0.11 | 77.88 | 0.15 | 78.03 | 0.30 |
| P3 | CBMH3 | 78.06 | 0.23 | 78.11 | 0.28 | 78.13 | 0.30 |
| P4 | LC3 | 77.29 | 0.00 | 77.33 | 0.00 | 77.80 | 0.13 |
| P5 | RY7 | 77.29 | 0.14 | 77.33 | 0.18 | 77.35 | 0.20 |
| P6 | RY4 | 78.06 | 0.06 | 78.11 | 0.11 | 78.22 | 0.22 |
| P7 | LC2 | 77.84 | 0.11 | 77.89 | 0.16 | 78.03 | 0.30 |
| P8 | RY3 | 77.28 | 0.13 | 77.31 | 0.16 | 77.30 | 0.15 |
| P9 | LC1 | 76.74 | 0.00 | 76.74 | 0.00 | 77.75 | 0.05 |
| P10 | RY5 | 77.28 | 0.04 | 77.32 | 0.08 | 77.35 | 0.05 |
| P11 | RY6 | 78.06 | 0.00 | 78.11 | 0.00 | 78.20 | 0.03 |

APPROVED
By Kersten Nitsche at 11:44 am, Jul 16, 2024

Kersten Nitsche
KERSTEN NITSCHÉ, MCIP RPP
MANAGER (A), DEVELOPMENT REVIEW WEST
PLANNING, DEVELOPMENT AND BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

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.

SCALE

1:250

0 2 4 6 8 10

| NO. | REVISION | DATE | BY |
|-----|---------------------------|-------------|-----|
| 4. | CITY SUBMISSION | AUG 4 2022 | MAB |
| 3. | CITY COMMENTS | JAN 20 2022 | MAB |
| 2. | REVISED PER CITY COMMENTS | DEC 22 2021 | MAB |
| 1. | ISSUED FOR APPROVAL | MAY 17 2021 | MAB |

FOR REVIEW ONLY

DATE: MAY 2021
REV: 048 1513
REV: 048 1513

L.R. WILSON
100160055
PROFESIONAL ENGINEER
PROVINCE OF ONTARIO

M.A. BISSETT
2022.08.04
PROFESIONAL ENGINEER
PROVINCE OF ONTARIO

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

CITY OF OTTAWA
KLONDIKE RIDGE - BLOCK 10

GRADING PLAN

PROJECT NO: 117034-10
REV: 117034-10-GR
DRAWING NO: 117034-10-GR

117034-10-GR
D07-12-21-0109
PLAN #18577