

**GENERAL NOTES:**

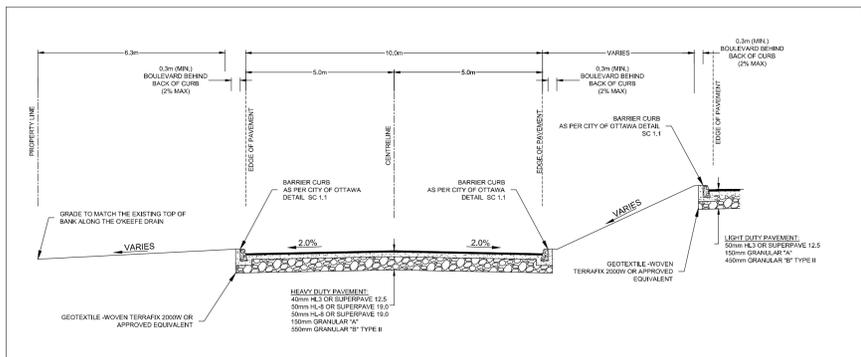
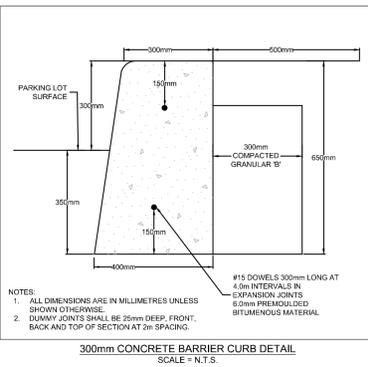
- COORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
- DETERMINE THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION. PROTECT AND ASSUME RESPONSIBILITY FOR ALL EXISTING UTILITIES WHETHER OR NOT SHOWN ON THIS DRAWING.
- OBTAIN ALL 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 \$2,000,000.00, 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 MUNICIPAL AUTHORITIES.
- 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 ELEVATIONS ARE GEODETIC. THE SITE BENCHMARKS ARE THE FIRE HYDRANT TOP OF SPINDLE FOR THE 3 HYDRANTS AROUND THE CITIGATE DRIVE AND CROSSKEY PLACE ROUNDABOUT (BM NO. 1 ELEV = 99.51, BM NO. 2 ELEV = 99.29, BM NO. 3 ELEV = 98.87), REFER TO ANNIS, O'SULLIVAN, VOLLEBECK LTD. TOPOGRAPHICAL PLAN OF SURVEY OF BLOCK 13, REGISTERED PLAN 4M-1536, CITY OF OTTAWA.
- REFER TO GEOTECHNICAL INVESTIGATION REPORT NO. PG5284-1 (DATED APRIL 28, 2020) PREPARED BY PATERSON GROUP INC. FOR SUBSURFACE CONDITIONS, CONSTRUCTION RECOMMENDATIONS AND GEOTECHNICAL INSPECTION REQUIREMENTS. THE GEOTECHNICAL CONSULTANT IS TO REVIEW ON-SITE CONDITIONS AFTER EXCAVATION PRIOR TO PLACEMENT OF THE GRANULAR MATERIAL.
- REFER TO ARCHITECTS AND LANDSCAPE ARCHITECTS DRAWINGS FOR BUILDING AND HARD SURFACE AREAS AND DIMENSIONS.
- REFER TO THE STORMWATER MANAGEMENT REPORT No. R-2020-044, DATED JUNE 01, 2020 PREPARED BY NOVATECH.
- SAW CUT AND KEYING ASPHALT AT ALL ROAD CUTS AND ASPHALT TIE IN POINTS AS PER CITY OF OTTAWA STANDARDS (R10 AND R25).

**GRADING NOTES:**

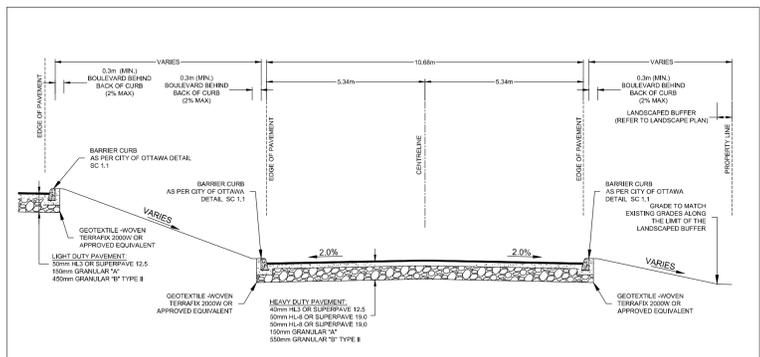
- ALL TOPSOIL, ORGANIC OR DELETERIOUS MATERIAL MUST BE ENTIRELY REMOVED FROM BENEATH THE PROPOSED BUILDING AND PAVED AREAS.
- EXPOSED SUBGRADES IN PROPOSED PAVED AREAS SHOULD BE PROOF ROLLED WITH A LARGE STEEL DRUM ROLLER AND ANY SOFT AREAS EVIDENT FROM THE PROOF ROLLING SHOULD BE SUBCAVATED AND REPLACED WITH SUITABLE MATERIAL THAT IS FROST COMPATIBLE WITH THE EXISTING SOILS.
- THE PAVEMENT GRANULAR BASE AND SUBBASE SHOULD BE PLACED IN MAXIMUM 300mm THICK LIFTS AND COMPACTED TO A MINIMUM OF 98% OF THE MATERIAL'S STANDARD PROCTOR MAXIMUM DRY DENSITY VALUE.
- ALL CURBS AND SIDEWALKS TO BE BUILT AS PER CITY OF OTTAWA DETAIL DRAWINGS SC1.4 AND SC4.
- GRADE AND/OR FILL BEHIND PROPOSED CURB AND BETWEEN BUILDINGS AND CURBS, WHERE REQUIRED TO PROVIDE POSITIVE DRAINAGE.
- MINIMUM OF 2% GRADE FOR ALL GRASS AREAS UNLESS OTHERWISE NOTED.
- ALL GRADES BY CURBS ARE EDGE OF PAVEMENT GRADES UNLESS OTHERWISE INDICATED.
- REFER TO LANDSCAPE PLAN FOR PLANTING AND OTHER LANDSCAPE FEATURE DETAILS.
- CONTRACTOR TO PROVIDE THE CONSULTANT WITH A GRADING PLAN INDICATING THE AS-BUILT ELEVATION OF EVERY DESIGN GRADE SHOWN ON THIS PLAN.

**PAVEMENT STRUCTURES:**

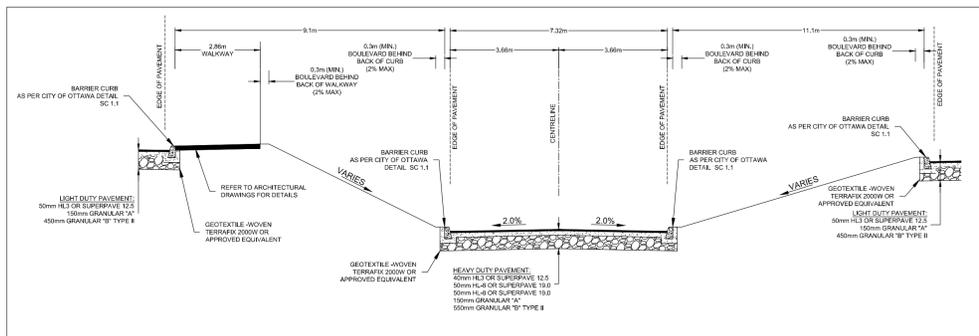
- LIGHT DUTY (CAR PARKING AREAS ONLY)**  
 50mm HL3 OR SUPERPAVE 12.5  
 150mm GRAN "A"  
 450mm GRAN "B" TYPE II  
 SEPARATION LAYER - WOVEN GEOTEXTILE TERRAFIX 200W OR APPROVED EQUIVALENT
- HEAVY DUTY (ACCESS LANES AND HEAVY TRUCK PARKING)**  
 50mm HL3 OR SUPERPAVE 12.5  
 50mm HL8 OR SUPERPAVE 19.0  
 50mm HL4 OR SUPERPAVE 19.0  
 150mm GRAN "A"  
 500mm GRAN "B" TYPE II  
 SEPARATION LAYER - WOVEN GEOTEXTILE TERRAFIX 200W OR APPROVED EQUIVALENT
- CONCRETE APRONS**  
 200mm CONCRETE  
 150mm GRAN "A"  
 600mm GRAN "B" TYPE II  
 100mm HI-40 RIGID INSULATION



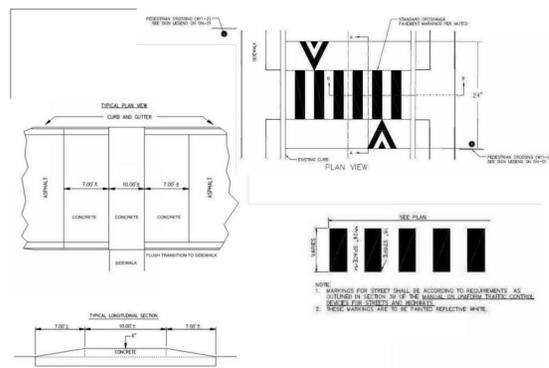
PRIVATE ACCESS ROAD  
(HEAVY DUTY)  
SECTION A-A)  
NTS



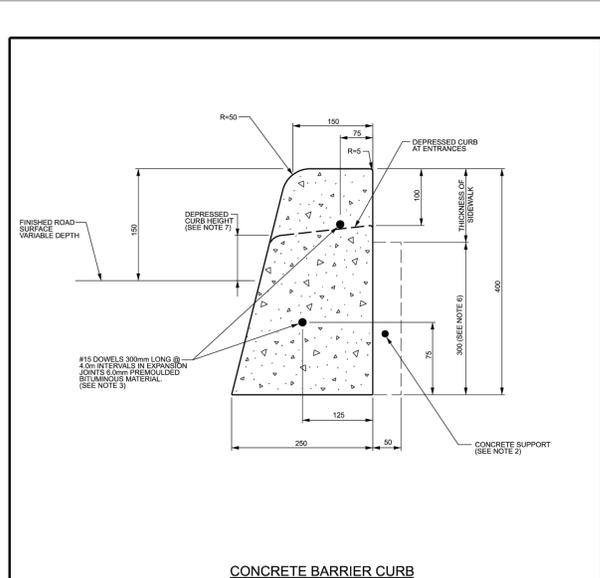
SOUTH ACCESS ROAD  
(HEAVY DUTY)  
SECTION C-C)  
NTS



MIDDLE ACCESS ROAD  
(HEAVY DUTY)  
SECTION B-B)  
NTS



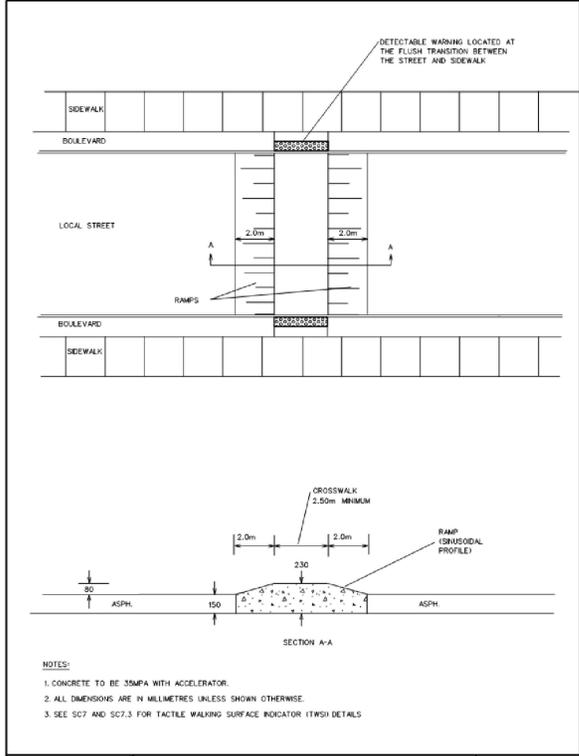
CONCRETE RAISED PEDESTRIAN  
CROSSWALK DETAILS  
SCALE = N.T.S.



CONCRETE BARRIER CURB

- NOTES:
- THE FULL CURB DEPTH SHALL BE CARRIED THROUGH THE DEPRESSED ACCESS CROSSING.
  - A CONCRETE SUPPORT IS REQUIRED WHEN BUILT ADJACENT TO THE SIDEWALK.
  - IF AN EXTRUSION CURBING MACHINE IS USED, THE EXPANSION BIT/JOURNAL MATERIAL AND THE #15 DOWELS ARE TO BE PLACED AT THE END OF THE EXTRUSION.
  - ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
  - DUMMY JOINTS SHALL BE 25mm DEEP, FRONT, BACK AND TOP OF SECTION AT 4m SPACING OR MATCH JOINTING WHERE SIDEWALK IS ADJACENT.
  - FOR DEPRESSED CURB AT ENTRANCES USE 250.
  - DEPRESSED CURB HEIGHT - FOR PEDESTRIAN CURB RAMPS 0 TO 6 mm AND FOR PRIVATE ENTRANCES 0 TO 25mm.

**Ottawa** CONCRETE BARRIER CURB FOR GRANULAR BASE PAVEMENT (MODIFIED OPSD-600.110) DATE: JANUARY 2003 REV. DATE: MARCH 2019 DWG. No.: SC1.1



**Ottawa** TYPICAL RAISED CROSSWALK DATE: MAY 2001 REV. DATE: MARCH 2019 DWG. No.: R15

THIS PLAN IS APPROVED BY THE CITY OF OTTAWA UNDER SECTION 41 OF THE PLANNING ACT THIS 9 DAY OF JULY, 2020.

*[Signature]*

LILY XU, MCIP, RPP, MANAGER  
DEVELOPMENT REVIEW SOUTH  
PLANNING, INFRASTRUCTURE AND ECONOMIC  
DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

**NOT FOR CONSTRUCTION**

No.	REVISION	DATE	BY
1	APPLICATION FOR SITE PLAN APPROVAL	APR 6 2020	MJH
2	ISSUED FOR DESIGN REVIEW	APR 20 2020	MJH
3	ISSUED FOR FOUNDATION PERMIT	MAY 5 2020	MJH
4	ISSUED FOR INTERNAL REVIEW	MAY 19 2020	MJH
5	REVISED PER CITY COMMENTS	JUNE 1 2020	MJH

SCALE: AS SHOWN

FOR REVIEW ONLY

DESIGN: MJH/ARM  
CHECKED: JLS  
DRAWN: MJH/ARM  
CHECKED: JLS  
APPROVED: JLS

PROFESSIONAL ENGINEER  
A.R. MESHWARP  
100281604  
PROVINCE OF ONTARIO

PROFESSIONAL ENGINEER  
M.L. HREHORAK  
100211256  
PROVINCE OF ONTARIO

LOCATION: PROJECT PYTHON, 222 CITIGATE DRIVE, CITY OF OTTAWA

DRAWING NAME: NOTES AND DETAILS GRADING PLAN

PROJECT No.: 120025  
REV. No.: REV #5  
DRAWING No.: 120025-NDGR  
PLAN # 18129

**NOVATECH**  
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