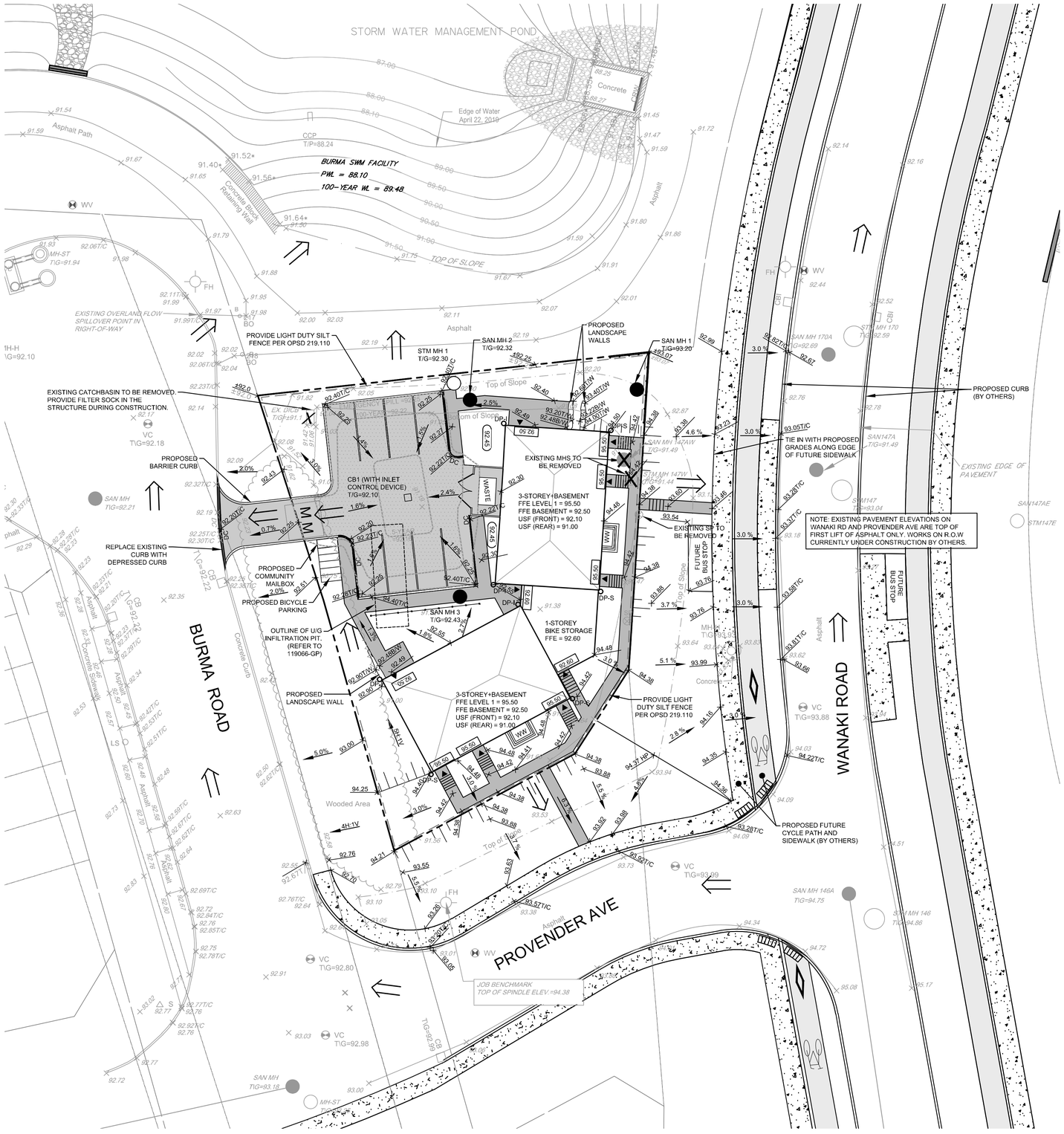
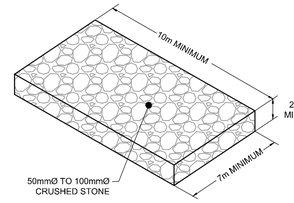
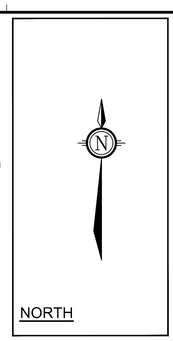
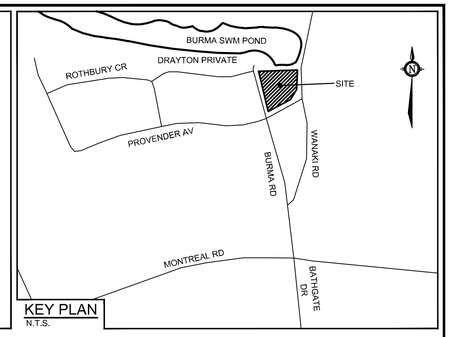




MUD MAT DETAIL
NOT TO SCALE





KEY PLAN
N.T.S.

LEGEND

- x 93.15 — EXISTING ELEVATION
- x 93.30T/C — EXISTING TOP OF CURB ELEVATION
- 93.20 — PROPOSED ELEVATION
- 93.35T/C — PROPOSED ELEVATION
- 94.00TW — PROPOSED TOP OF WALL ELEVATION
- 91.20BW — PROPOSED BOTTOM OF WALL ELEVATION
- (92.45) — PROPOSED PLANTER ELEVATION
- FFE= — FINISHED FLOOR ELEVATION
- USF= — UNDERSIDE OF FOOTING ELEVATION
- 2.0% — GRADE AND DIRECTION
- PROPOSED TERRACE GRADING (3:1 MAX)
- DC — DEPRESSED CURB
- PROPERTY LINE
- PROPOSED WINDOW WELL
- CB — PROPOSED CATCH BASIN WITH INLET CONTROL DEVICE
- PROPOSED RETAINING WALL
- FH — EXISTING FIRE HYDRANT
- VC — EXISTING VALVE CHAMBER
- STM MH — PROPOSED STORM MANHOLE
- SAN MH — PROPOSED SANITARY MANHOLE
- STM MH — EXISTING STORM MANHOLE
- SAN MH — EXISTING SANITARY MANHOLE
- PROPOSED SILT FENCE
- DIRECTION OF OVERLAND FLOW
- SP — PROPOSED STANDPOST (AS PER CITY DETAIL W3.3)
- PROPOSED BARRIER CURB (AS PER CITY DETAIL SC1.1)
- DC — PROPOSED DEPRESSED CURB (AS PER CITY DETAIL SC1.1)
- PROPOSED SIDEWALK
- FUTURE PROPOSED CYCLE TRACK (BY OTHERS)
- FUTURE PROPOSED SIDEWALK (BY OTHERS)
- APPROXIMATE PONDING LIMITS AND ELEVATIONS (5-YEAR=92.76; 100-YEAR=92.99; MAXIMUM/EMERGENCY SPILL=92.25)
- M M — PROPOSED MUD MAT LOCATION
- DP-I — PROPOSED DOWNPIPE (TO DRAIN TO INFILTRATION PIT)
- DP-S — PROPOSED DOWNPIPE (TO DRAIN TO SURFACE)

PAVEMENT STRUCTURE: PARKING LOT

40mm HL3 OR SUPERPAVE 12.5 AC
50mm SUPERPAVE 19.0 AC
150mm OPSS GRAN "A"
400mm OPSS GRAN "B" TYPE II
(REFER TO GEOTECHNICAL REPORT)

GENERAL NOTES:

1. COORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
2. 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.
3. OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF OTTAWA BEFORE COMMENCING CONSTRUCTION.
4. 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.
5. 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.
6. 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.
7. ALL ELEVATIONS ARE GEODETIC.
8. REFER TO THE GEOTECHNICAL INVESTIGATION REPORT (No. PG4965-1,DATED JUNE 21, 2019, 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.
9. REFER TO ARCHITECT'S AND LANDSCAPE ARCHITECT'S DRAWINGS FOR BUILDING AND HARDSURFACE AREAS AND DIMENSIONS.
10. REFER TO 'SITE SERVICING AND STORMWATER MANAGEMENT REPORT' (R-2019-094) PREPARED BY NOVATECH ENGINEERING CONSULTANTS LTD.
11. SAW CUT AND KEY GRIND ASPHALT AT ALL ROAD CUTS AND ASPHALT TIE IN POINTS AS PER CITY OF OTTAWA STANDARDS (R10).
12. PROVIDE LINE/PARKING PAINTING.
13. REFER TO TOPOGRAPHICAL PLAN OF SURVEY (BLOCK 29-REGISTERED PLAN 4M-1581) BY ANNIS, O'SULLIVAN VOLLEBEKK FOR DETAILS OF THE EXISTING SITE.
14. SNOW WILL BE REMOVED FROM SITE WITH A HIRED SNOW REMOVAL SERVICE.

GRADING NOTES:

1. 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.
2. EXPOSED SUBGRADES 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.
3. 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.
4. THE GRANULAR BASE SHOULD BE COMPACTED TO AT LEAST 100% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY VALUE. ANY ADDITIONAL GRANULAR FILL USED BELOW THE PROP OSED PAVEMENT SHOULD BE COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY VALUE.
5. MINIMUM OF 2% GRADE FOR ALL GRASS AREAS UNLESS OTHERWISE NOTED.
6. MAXIMUM TERRACING GRADE TO BE 3:1 UNLESS OTHERWISE NOTED.
7. ALL GRADES BY CURBS ARE EDGE OF PAVEMENT GRADES UNLESS OTHERWISE INDICATED.
8. ALL CURBS SHALL BE BARRIER CURB (150mm) UNLESS OTHERWISE NOTED AND CONSTRUCTED AS PER CITY OF OTTAWA STANDARDS (SC1.1).
9. REFER TO LANDSCAPE PLAN FOR PLANTING AND OTHER LANDSCAPE FEATURE DETAILS.
10. CONTRACTOR TO PROVIDE THE CONSULTANT WITH A GRADING PLAN INDICATING AS-BUILT ELEVATIONS OF ALL DESIGN GRADES SHOWN ON THIS PLAN.
11. THERE WILL BE NO PONDING IN THE PARKING AREA DURING A 2 YEAR STORM EVENT, 250mm FREEBOARD IS PROVIDED TO THE BASEMENT FFE.
12. PROPOSED BUILDING GFA = 1,042 m2
13. ALL GRASSED AREAS ON SITE TO BE TOP SOILED WITH A MINIMUM 300mm OF APPROVED AMENDMENT TOPSOIL MATERIAL FOR STORMWATER MANAGEMENT PURPOSES. REFER TO THE 'SITE SERVICING AND SWM REPORT' FOR DETAILS.

EROSION AND SEDIMENT CONTROL NOTES:

1. THE OWNER AGREES TO PREPARE AND IMPLEMENT AN EROSION AND SEDIMENT CONTROL PLAN TO THE SATISFACTION OF THE CITY OF OTTAWA, APPROPRIATE TO THE SITE CONDITIONS, PRIOR TO UNDERTAKING ANY SITE ALTERATIONS (FILLING, GRADING, REMOVAL OF VEGETATION, ETC.) AND DURING ALL PHASES OF SITE PREPARATION AND CONSTRUCTION IN ACCORDANCE WITH THE CURRENT BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL SUCH AS BUT NOT LIMITED TO INSTALLING FILTER SOCKS IN MANHOLES/CATCHBASINS TO CAPTURE SEDIMENTS THAT HAVE ENTERED STRUCTURES AND INSTALL AND MAINTAIN A LIGHT DUTY SILT FENCE BARRIER AS REQUIRED.
2. THE CONTRACTOR SHALL PLACE SEDIMENT CAPTURE FILTER SOCKS IN THE CATCHBASIN(S) AND MANHOLE GRATES AND MAINTAIN THESE FOR THE DURATION OF CONSTRUCTION.
3. SILT FENCING SHALL BE UTILIZED TO CONTROL EROSION FROM THE SITE DURING CONSTRUCTION.
4. THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.
5. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING THE ROADS FREE AND CLEAR OF MUD AND DEBRIS. BURMA ROAD IS TO BE CLEANED ON A CONTINUOUS BASIS DURING CONSTRUCTION. THE ROAD IS TO BE CLEAN AND FREE OF MUD, DUST, AND OTHER MATERIAL RESULTING FROM VEHICLES INVOLVED IN CONSTRUCTION.
6. SEDIMENT AND EROSION CONTROLS MEASURES MAY BE MODIFIED IN THE FIELD AT THE DISCRETION OF THE CITY OF OTTAWA SITE INSPECTOR OR CONSERVATION AUTHORITY.

NOTE:
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMAINS, 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.

OWNER INFORMATION

HABITAT FOR HUMANITY GREATER OTTAWA
768 BELFAST ROAD
OTTAWA, ON K1G 027

PHONE: 613-749-9950

No.	REVISION	DATE	BY
3.	REVISED PER CITY COMMENTS	18 SEPT 2019	GJM
2.	ISSUED FOR COORDINATION	13 SEPT 2019	GJM
1.	ISSUED FOR SITE PLAN APPLICATION	25 JUN 2019	GJM

SCALE
1:200
1:200
0 2 4 6 8

DESIGN RG/LGB
CHECKED GJM
DRAWN RG
CHECKED LGB
APPROVED GJM

FOR REVIEW ONLY

LICENSED PROFESSIONAL ENGINEER
G.J. MacDONALD
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

LOCATION
CITY OF OTTAWA
455 WANAKI ROAD (BLOCK 29)

DRAWING NAME
GRADING AND EROSION AND SEDIMENT CONTROL PLAN

PROJECT No. 119066-00
REV REV # 3
DRAWING No. 119066-GR

DO7-12-19-0117

#17982

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