

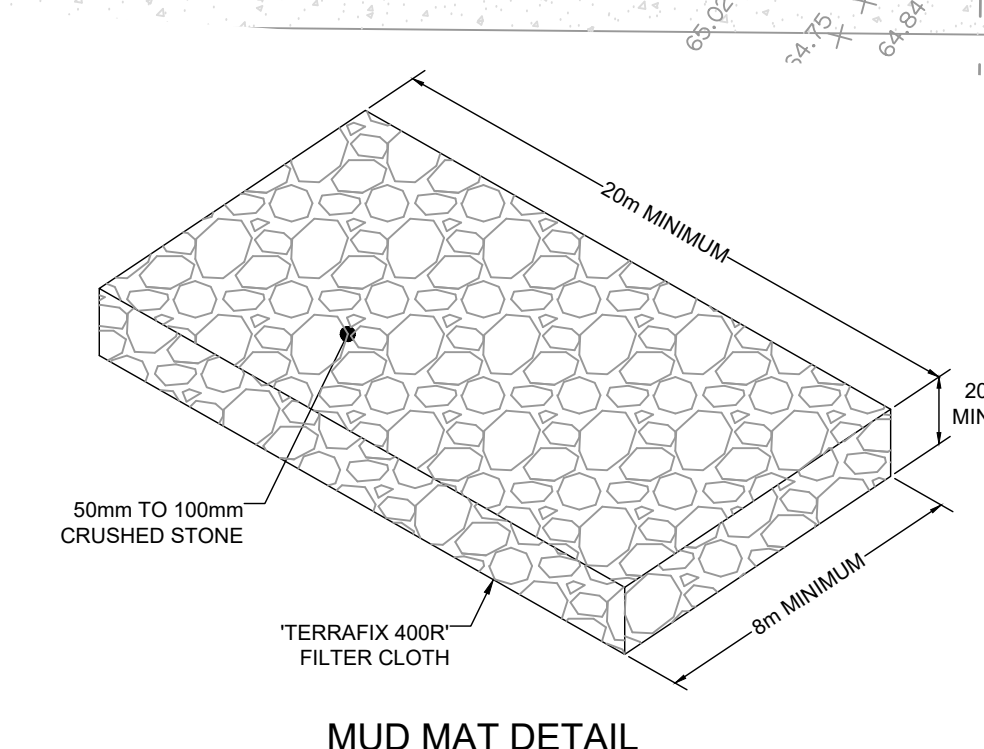
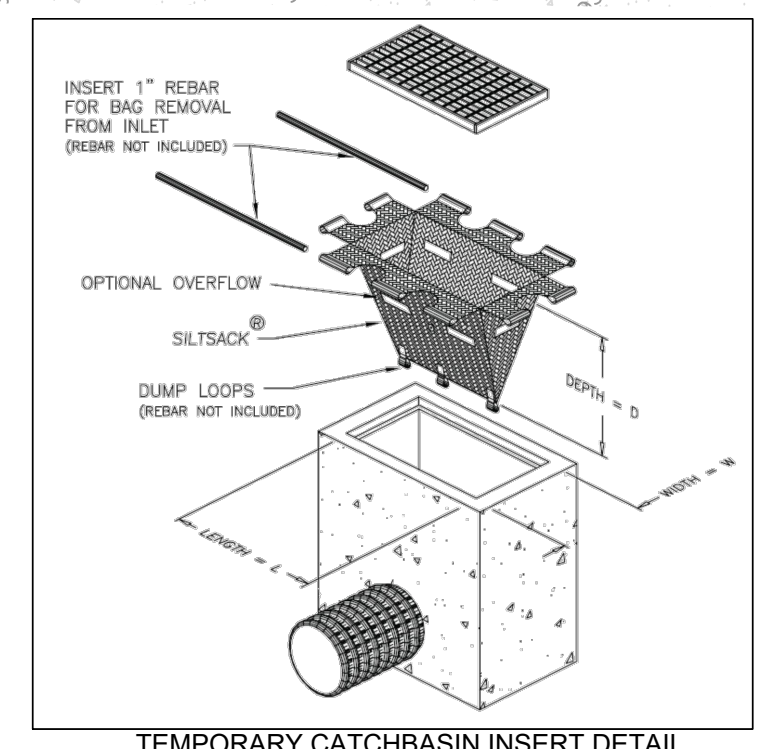
**LEGEND**

62.50	PROPOSED ELEVATION	EXISTING VALVE AND VALE BOX
63.00	EXISTING ELEVATION	EXISTING FIRE HYDRANT
63.10	PROPOSED TOP OF WALL ELEVATION	EXISTING CATCHBASIN
63.20	PROPOSED BOTTOM OF WALL ELEVATION	T/G
63.30	PROPOSED TOP OF GRADE ELEVATION	EXISTING TOP OF GRADE
63.40	PROPOSED TOP OF SLOPE ELEVATION	EXISTING UTILITY POLE C/W GUY WIRES
63.50	PROPOSED HIGH POINT ELEVATION	EXISTING STREETLIGHT
63.60	PROPOSED SWALE ELEVATION	EXISTING HYDRANT
63.70	PROPOSED ELEVATED PATHWAY ELEVATION	EXISTING DEPRESSED CURB
63.80	HOBBIN ARCHITECT PROPOSED ELEVATION (CECCE SCHOOL)	EXISTING COMMUNITY MAILBOX
63.90	SUBDIVISION DESIGN ELEVATION	EXISTING HYDRO MANHOLE
64.00	ADV ORIGINAL TOPO ELEVATION	EXISTING HYDRO MANHOLE
2.0%	PROPOSED GRADE AND DIRECTION	PROPOSED HYDRO MANHOLE
2.0%	PROPOSED TERRACING (MAX 3:1)	EXISTING LIMITS OF CONCRETE
2.0%	PROPOSED SWALE WITH GRADE AND DIRECTION	PROPOSED LIMITS OF CONCRETE
	MAJOR OVERLAND FLOW ROUTE	PROPOSED LIMITS OF STONEDUST PAVING
	PROPOSED BARRIER CURB	PROPOSED METAL GRATE / FOOTBRIDGE
	PROPOSED DEPRESSED CURB	
	PROPOSED DEPRESSED MOUNTABLE CURB (50mm)	
	PROPOSED AREA DRAIN	
	PROPOSED SIAMSESE CONNECTION	
	PROPOSED BUILDING ENTRANCE	
	PROPOSED LIMITS OF UNDERGROUND PARKING	
	PROPOSED RETAINING WALL	
	PROPOSED RETAINING WALL AND ACOUSTIC FENCE	
	PROPOSED TREES / SHRUBS	
	PROPOSED SILT SACK IN EXISTING CATCHBASIN	
	PROPOSED SILT FENCE (AS PER O.P.S.D. 219.110)	

- 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 ELEVATIONS ARE GEODETIC.
  - REFER TO ARCHITECT'S AND LANDSCAPE ARCHITECT'S DRAWINGS FOR BUILDING AND HARDSURFACE AREAS AND DIMENSIONS.
  - REFER TO SERVICES DESIGN BRIEF PREPARED BY NOVATECH ENGINEERING CONSULTANTS LTD.
  - SAW CUT AND KEY GRIND ASPHALT AT ALL ROAD CUTS AND ASPHALT TIE IN POINTS AS PER CITY OF OTTAWA STANDARDS (R10).
  - PROVIDE LINEPAVING PAINTING.
  - CONTRACTOR TO PROVIDE THE CONSULTANT WITH A GRADING PLAN INDICATING THE AS-BUILT ELEVATION OF EVERY DESIGN GRADE SHOWN ON THIS PLAN.
  - REFER TO GEOTECHNICAL REPORT PREPARED BY PATERSON GROUP 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.
  - ALL MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH THE CITY OF OTTAWA STANDARDS AND SPECIFICATIONS AND ONTARIO PROVINCIAL STANDARDS AND SPECIFICATIONS. ONTARIO PROVINCIAL STANDARDS AND SPECIFICATIONS WILL APPLY WHERE NO CITY STANDARDS ARE AVAILABLE.
  - ALL PRIVATE APPROACHES MUST BE CONSTRUCTED AS PER CITY SPECIFICATION SC13.

- GRADING NOTES:**
- ALL TOPSOIL, ORGANIC OR DELETERIOUS MATERIAL MUST BE ENTIRELY REMOVED FROM BENEATH THE PROPOSED PAVED AREAS.
  - EXPOSED SUBGRADES IN PROPOSED PAVED AREAS SHOULD BE PROOF ROLLED WITH A LARGE STEEL DRUM ROLLER AND INSPECTED BY THE GEOTECHNICAL CONSULTANT.
  - ANY SOFT AREAS EVIDENT FROM THE PROOF ROLLING SHOULD BE SUBEXCAVATED AND REPLACED WITH SUITABLE MATERIAL THAT IS FROST COMPATIBLE WITH THE EXISTING SOILS.
  - 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 PROPOSED PAVEMENT SHOULD BE COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY VALUE.
  - 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.
  - ALL CURBS SHALL BE BARRIER CURB (150mm) UNLESS OTHERWISE NOTED AND CONSTRUCTED AS PER CITY OF OTTAWA STANDARDS (SC1.1).
  - REFER TO LANDSCAPE PLAN FOR PLANTING AND OTHER LANDSCAPE FEATURE DETAILS.

- EROSION AND SEDIMENT CONTROL NOTES:**
- ALL EROSION AND SEDIMENT CONTROLS ARE TO BE INSTALLED TO THE SATISFACTION OF THE ENGINEER AND THE CITY OF OTTAWA. THEY ARE TO BE 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. THESE PRACTICES ARE TO BE IMPLEMENTED IN ACCORDANCE WITH THE CURRENT BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL AND SHOULD INCLUDE AS A MINIMUM THOSE MEASURES INDICATED ON THE PLAN.
  - TO PREVENT SURFACE EROSION FROM ENTERING THE DITCH OR STORM SYSTEM DURING CONSTRUCTION, CATCHBASIN INSERTS WILL BE PLACED UNDER GRATES OF CATCHBASINS AND STRUCTURES. A LIGHT DUTY SILT FENCE BARRIER WILL ALSO BE INSTALLED ALONG THE PROPERTY LINES. THESE CONTROL MEASURES WILL REMAIN IN PLACE UNTIL VEGETATION HAS BEEN ESTABLISHED AND CONSTRUCTION IS COMPLETE.
  - THE SEDIMENT CONTROL MEASURES SHALL ONLY BE REMOVED WHEN, IN THE OPINION OF THE ENGINEER, THE MEASURES ARE NO LONGER REQUIRED. NO CONTROL MEASURES MAY BE PERMANENTLY REMOVED WITHOUT PRIOR AUTHORIZATION FROM THE ENGINEER.
  - THE CONTRACTOR SHALL IMMEDIATELY REPORT TO THE ENGINEER ANY ACCIDENTAL DISCHARGES OF SEDIMENT MATERIAL INTO ANY DITCH OR STORM SEWER SYSTEM. APPROPRIATE RESPONSE MEASURES, INCLUDING ANY REPAIRS TO EXISTING CONTROL MEASURES OR THE IMPLEMENTATION OF ADDITIONAL CONTROL MEASURES, SHALL BE CARRIED OUT BY THE CONTRACTOR WITHOUT DELAY.
  - THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.
  - ROADWAYS ARE TO BE SWEEPED AS REQUIRED OR AS DIRECTED BY THE ENGINEER AND/OR MUNICIPALITY.
  - THE CONTRACTOR SHALL ENSURE PROPER STORM CONTROL IS PROVIDED WITH THE APPLICATION OF WATER (AND IF REQUIRED, CALCIUM CHLORIDE) DURING DRY PERIODS.



**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.

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

No.	REVISION	DATE	BY	No.	REVISION	DATE	BY
15.	REVISED AS PER CITY OF OTTAWA COMMENTS	JAN 2023	SAZ	7.	ISSUED FOR COORDINATION	MAR 2022	MSP
14.	ISSUED FOR COORDINATION	JAN 11/23	SAZ	6.	ISSUED FOR COORDINATION	FEB 23/22	MSP
13.	REVISED AS PER CITY OF OTTAWA COMMENTS	NOV 24/22	SAZ	5.	ISSUED WITH SITE PLAN APPLICATION	JUL 22/21	JAG
12.	REVISED AS PER CITY OF OTTAWA COMMENTS	AUG 19/22	SAZ	4.	ISSUED FOR INFORMATION	MAR 19/21	JAG
11.	ISSUED FOR COORDINATION	AUG 10/22	SAZ	3.	RE-ISSUED FOR COORDINATION	FEB 17/21	JAG
10.	REVISED AS PER CITY OF OTTAWA COMMENTS	JUN 3/22	SAZ	2.	ISSUED FOR COORDINATION	DEC 4/20	JAG
9.	ISSUED FOR COORDINATION	MAY 24/22	SAZ	1.	ISSUED FOR DISCUSSION PURPOSES	DEC 2/20	JAG

**SCALE**  
1:250

**FOR REVIEW ONLY**

MTM	SAZ
MTM	SAZ
MSP	

**CITY OF OTTAWA**  
375 DESCHATELETS AVENUE  
GREYSTONE VILLAGE PHASE 3

**DRAWING NAME**  
GRADING, EROSION & SEDIMENT CONTROL PLAN

**PROJECT NO.**  
114025-PH3

**REV #**  
REV #15

**DRAWING NO.**  
114025-GR(PH3)

**NOVATECH**  
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**PROFESSIONAL ENGINEER**  
S.A.N. ZORGER  
100191487  
PROVINCE OF ONTARIO

**DATE**  
20.03.2023

**SCALE**  
1:250

**DATE**  
20.03.2023