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 12. THIS DRAWING IS PART OF KOLLAARD ASSOCIATES DESIGN REPORT #240297.

No.	REVISION	DATE	BY
1.	ISSUED FOR SITE PLAN APPROVAL	JUNE 28, 2024	NJR

CONSULTANTS

Kollaard Associates Engineers

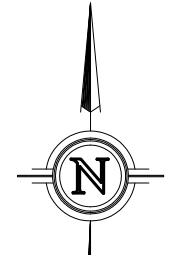
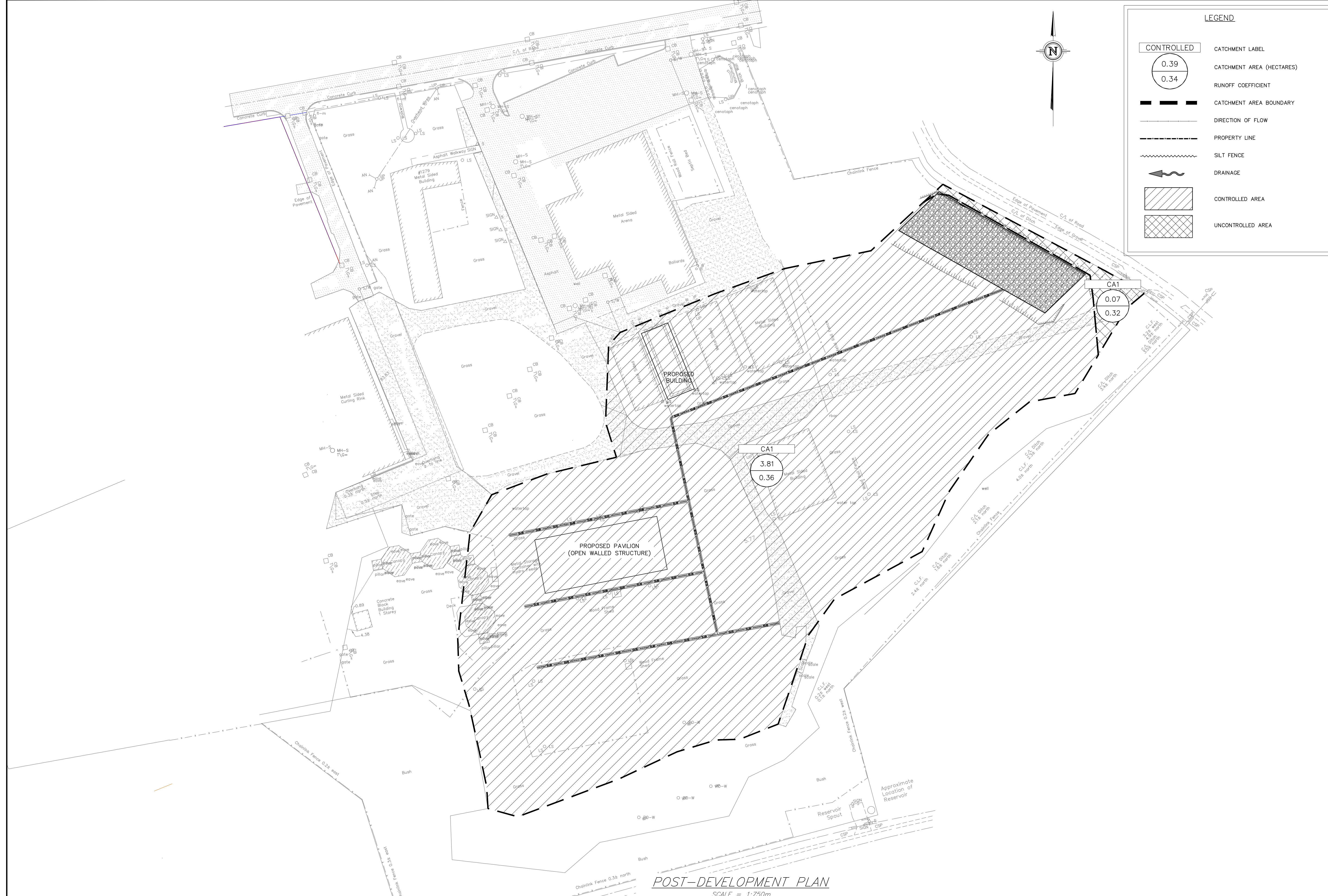
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KEMPTVILLE, ONTARIO
K0G 1A0
FACSIMILE (613) 258-0475

(613) 860-0923

DESIGN	STAMP
NJR	
ABD	
NJR	
SD	

CLIENT NAME	PROJECT NAME	PROJECT LOCATION	DRAWING
CUMBERLAND TOWNSHIP AGRICULTURE SOCIETY	PROPOSED BARN AND PAVILION (OPEN WALLED STRUCTURE)	1279 COLONIAL ROAD, OTTAWA, ON, K4B 1N1	PREDEVELOPMENT PLAN

PROJECT No.	DATE	SCALE	DRAWING No.
240297	JUNE 28, 2024	1:750 m	240297-PRE



LEGEND

- 0.39 CATCHMENT LABEL
- 0.34 CATCHMENT AREA (HECTARES)
- RUNOFF COEFFICIENT
- CATCHMENT AREA BOUNDARY
- DIRECTION OF FLOW
- PROPERTY LINE
- SILT FENCE
- ← DRAINAGE
- ▨ CONTROLLED AREA
- ▩ UNCONTROLLED AREA



KEY PLAN
NOT TO SCALE

POST-DEVELOPMENT PLAN
SCALE = 1:750m

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CONSULTANTS			
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No.	REVISION	DATE	BY
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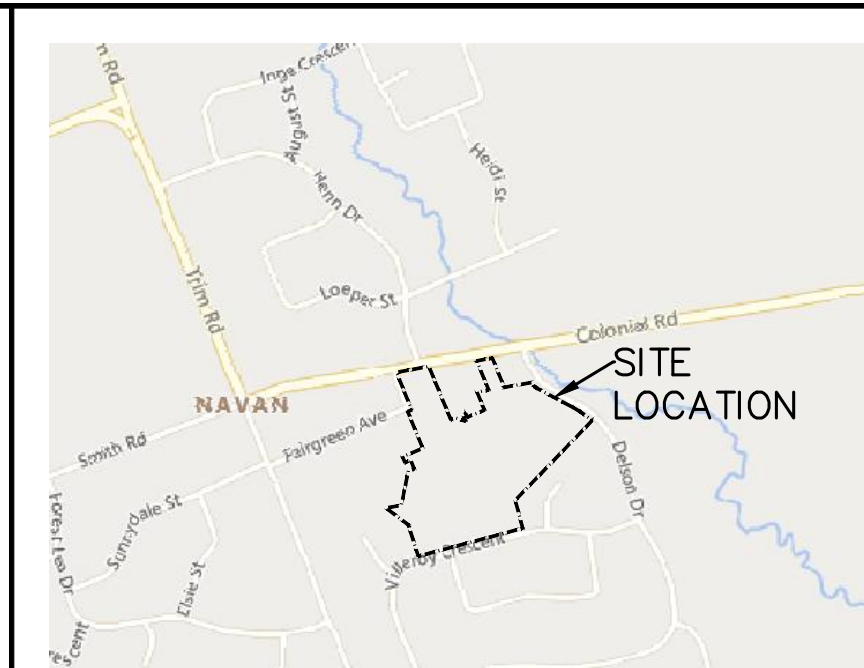
(613) 860-0923

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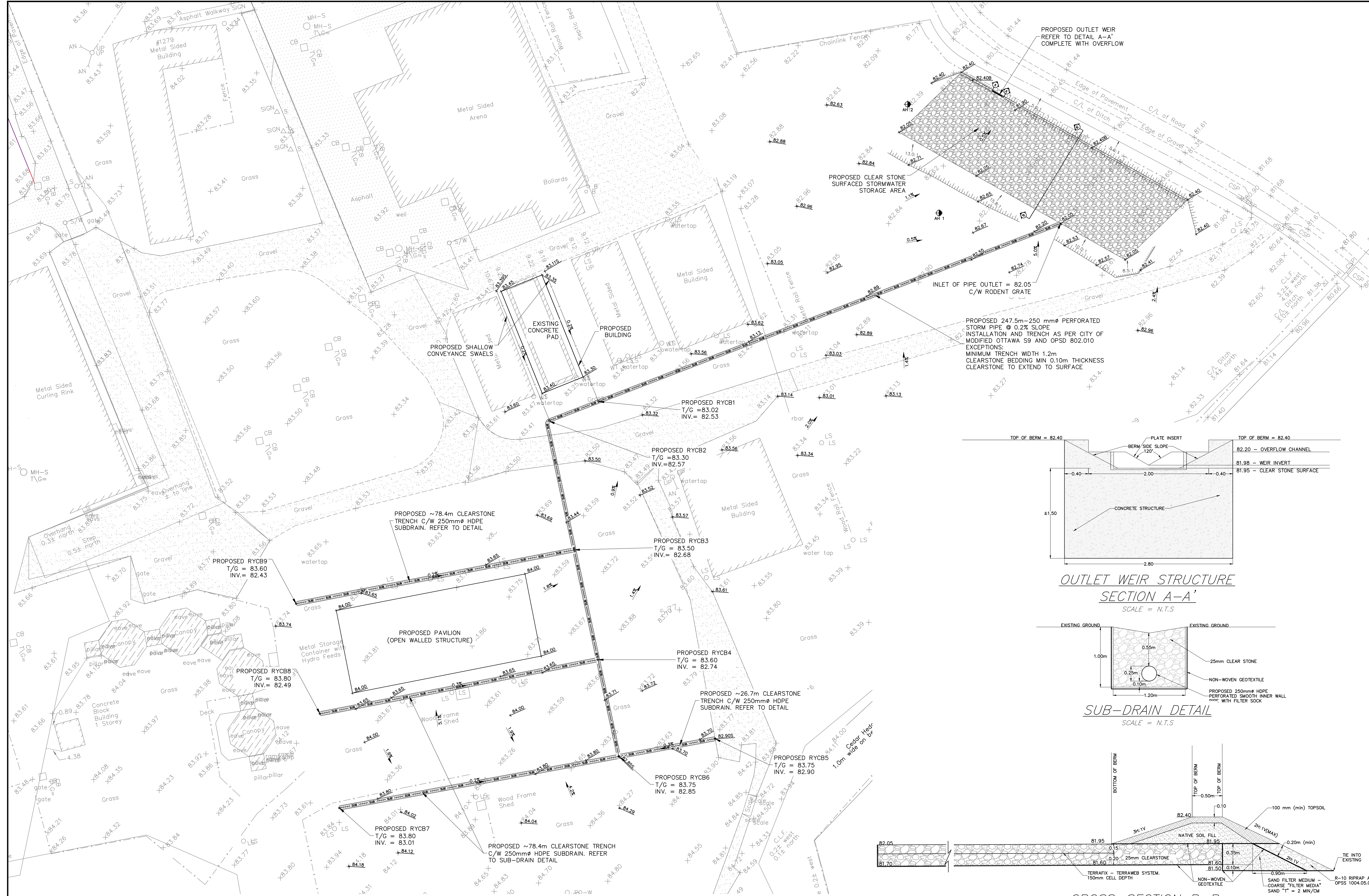
CLIENT NAME	PROJECT NAME	PROJECT LOCATION	DRAWING
CUMBERLAND TOWNSHIP AGRICULTURE SOCIETY	PROPOSED BARN AND PAVILION (OPEN WALLED STRUCTURE)	1279 COLONIAL ROAD, OTTAWA, ON, K4B 1N1	POST-DEVELOPMENT CONDTIONS

PROJECT No.	DATE	SCALE	DRAWING No.
240297	JUNE 28, 2024	1:750 m	240297-POST

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KEY PLAN
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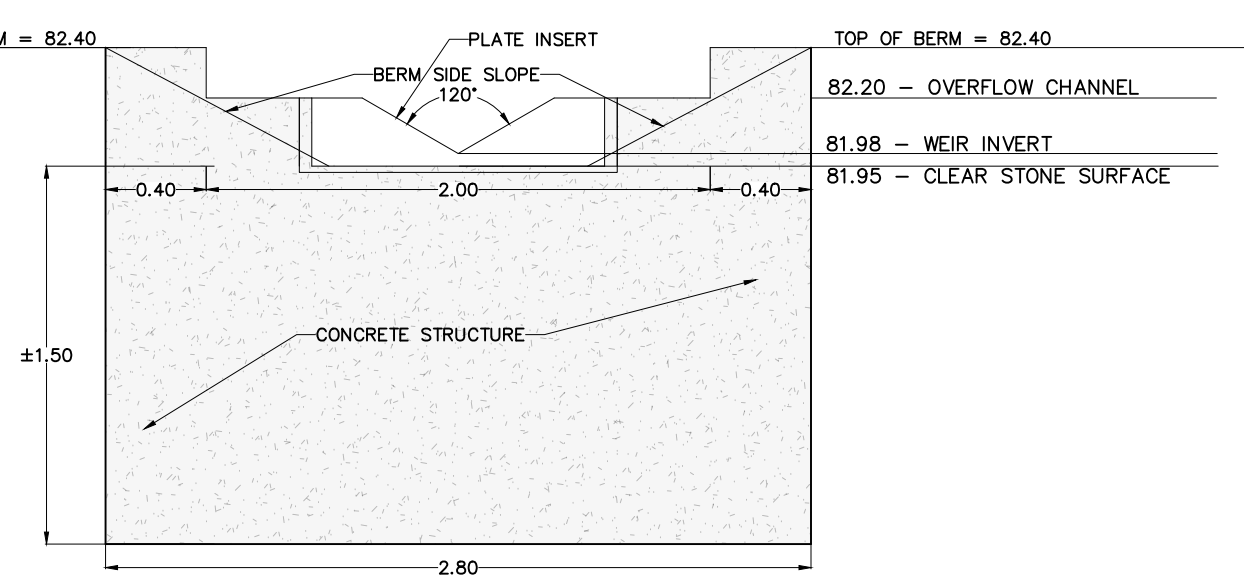
LEGEND

- PROPOSED ELEVATION
- PROPOSED SUBDRAIN ELEVATION
- AUGERHOLE
- PROPOSED SUBDRAIN
- PROPOSED STORM PIPE
- TOP OF SLOPE

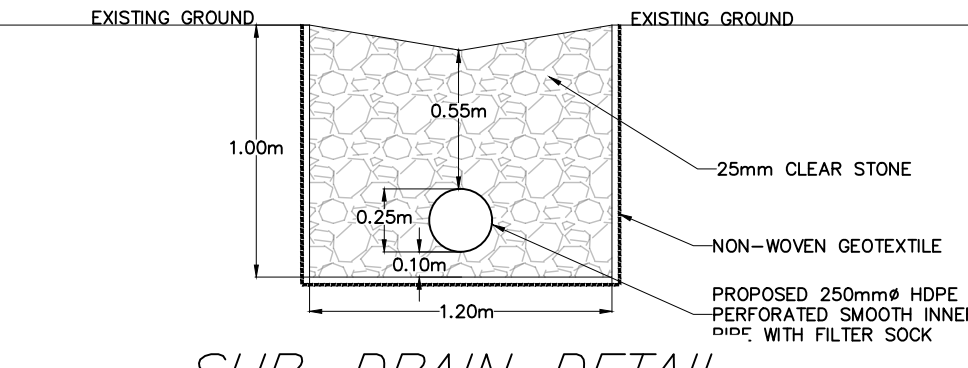
PROPOSED RYCB
PROPOSED RYCB'S ARE TO CONSIST OF ADS NYLOPLAST 2812AG DRAIN BASINS GRATE TO BE SOLID COVER MEETING H-20 - ADS NYLOPLAST PART # 1299 SHOP DRAWINGS TO BE SUBMITTED TO ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION

PROPOSED STORM AND SUBDRAIN PIPE
PROPOSED STORM AND SUBDRAIN PIPE TO CONSIST OF 250mm HDPE 320 kPa SMOOTH INNER WALL PERFORATED PIPE IN A FILTER SOCK

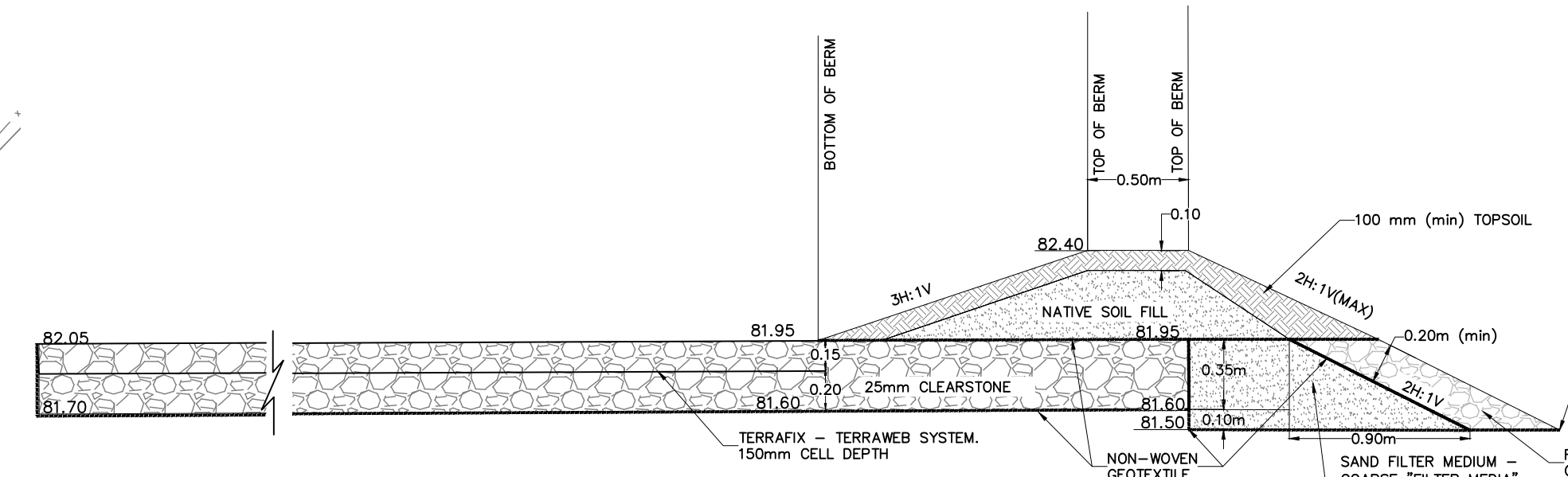
- CONSTRUCTION PROCEDURES**
- IMPLEMENT SITE EROSION CONTROL MEASURES PER DRAWING 240297-ESC.
 - REMOVE AND STOCKPILE TOPSOIL FROM PROPOSED GRAVEL STORAGE AREA/CLEAR STONE TRENCHES (WHERE APPLICABLE).
 - IMPLEMENT EROSION CONTROL MEASURES AROUND TOPSOIL STOCKPILE BY INSTALLING A SILT FENCE AROUND THE PERIMETER OF THE TOPSOIL STOCK PILE. THE SILT FENCE SHOULD BE INSTALLED IN ACCORDANCE TO OPSD 209.110.
 - EXCAVATE THE CLEAR STONE STORAGE AREA. SHOULD THE SUBGRADE ELEVATIONS BE LOWER THAN THE PROPOSED UNDERSIDE OF CLEAR STONE AREA, NATIVE SOIL FROM EXCAVATED AREAS CAN BE USED TO RAISE SUBGRADE TO DESIGN ELEVATION.
 - INSTALL GEOTEXTILE AS SHOWN ON THE DETAILS.
 - INSTALL FIRST 0.15m OF CLEAR STONE WITHIN THE GRAVEL STORAGE AREA, AND FIRST 0.10m OF CLEAR STONE WITHIN THE TRENCHES.
 - INSTALL THE PROPOSED GEOWEB WITHIN THE GRAVEL STORAGE AREA AS SHOWN ON THE DETAILS. INSTALL PERFORATED STORM PIPE / SUBDRAINS AND PROPOSED RYCB'S.
 - BACKFILL TRENCHES AND GEOWEB WITH REMAINDER OF CLEAR STONE.
 - FINAL GRADING AND REINSTATE TOPSOIL IN DISTURBED AREAS.
 - ONLY ONCE DISTURBED VEGETATION IS FULLY ESTABLISHED, AND REMAINING FILL PILES HAVE BEEN REMOVED FROM SITE, CAN EROSION CONTROL MEASURES BE REMOVED FROM SITE.



OUTLET WEIR STRUCTURE
SECTION A-A'
SCALE = N.T.S



SUB-DRAIN DETAIL
SCALE = N.T.S



CROSS-SECTION B-B
CLEAR STONE STORAGE AREA WITH SAND FILTER
SCALE = N.T.S

GRADING PLAN
SCALE = 1:500m

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CONSULTANTS

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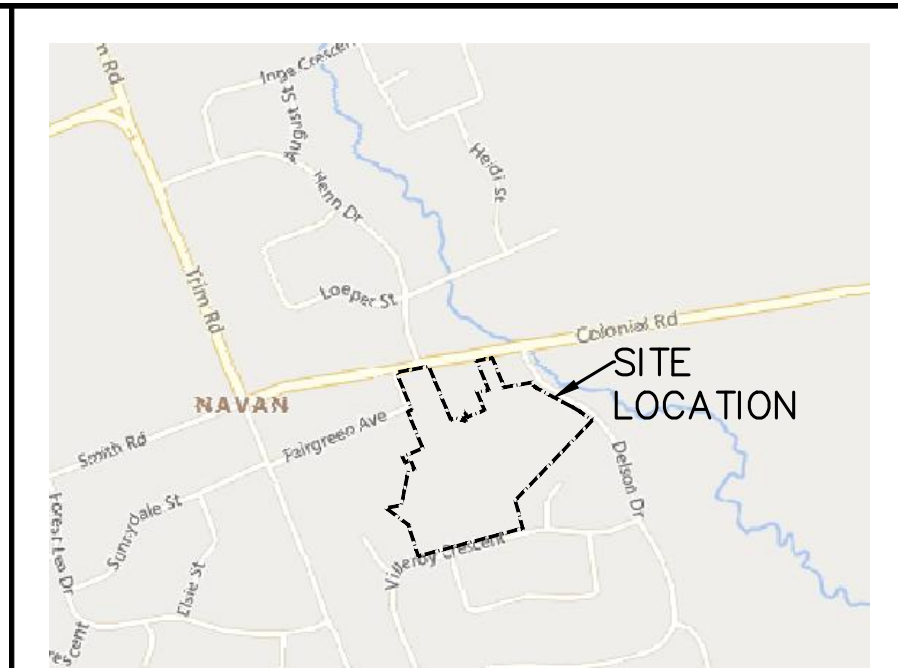
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210 PRESCOTT STREET
KEMPVILLE, ONTARIO
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(613) 860-0923

DESIGN: NJR
DRAWN: ABD
CHECKED: NJR
APPROVED: SD

STAMP: LICENSED PROFESSIONAL ENGINEER
JUNE 28, 2024
S.E. deWit
100079612
PROVINCE OF ONTARIO

CLIENT NAME	PROJECT NAME	PROJECT LOCATION	DRAWING	PROJECT NO.	DATE	SCALE	DRAWING NO.
CUMBERLAND TOWNSHIP AGRICULTURE SOCIETY	PROPOSED BARN AND PAVILION (OPEN WALLED STRUCTURE)	1279 CAVILION ROAD, OTTAWA, ON, K4B 1N1	SITE GRADING PLAN	240297	JUNE 28, 2024	AS SHOWN	240297-GR



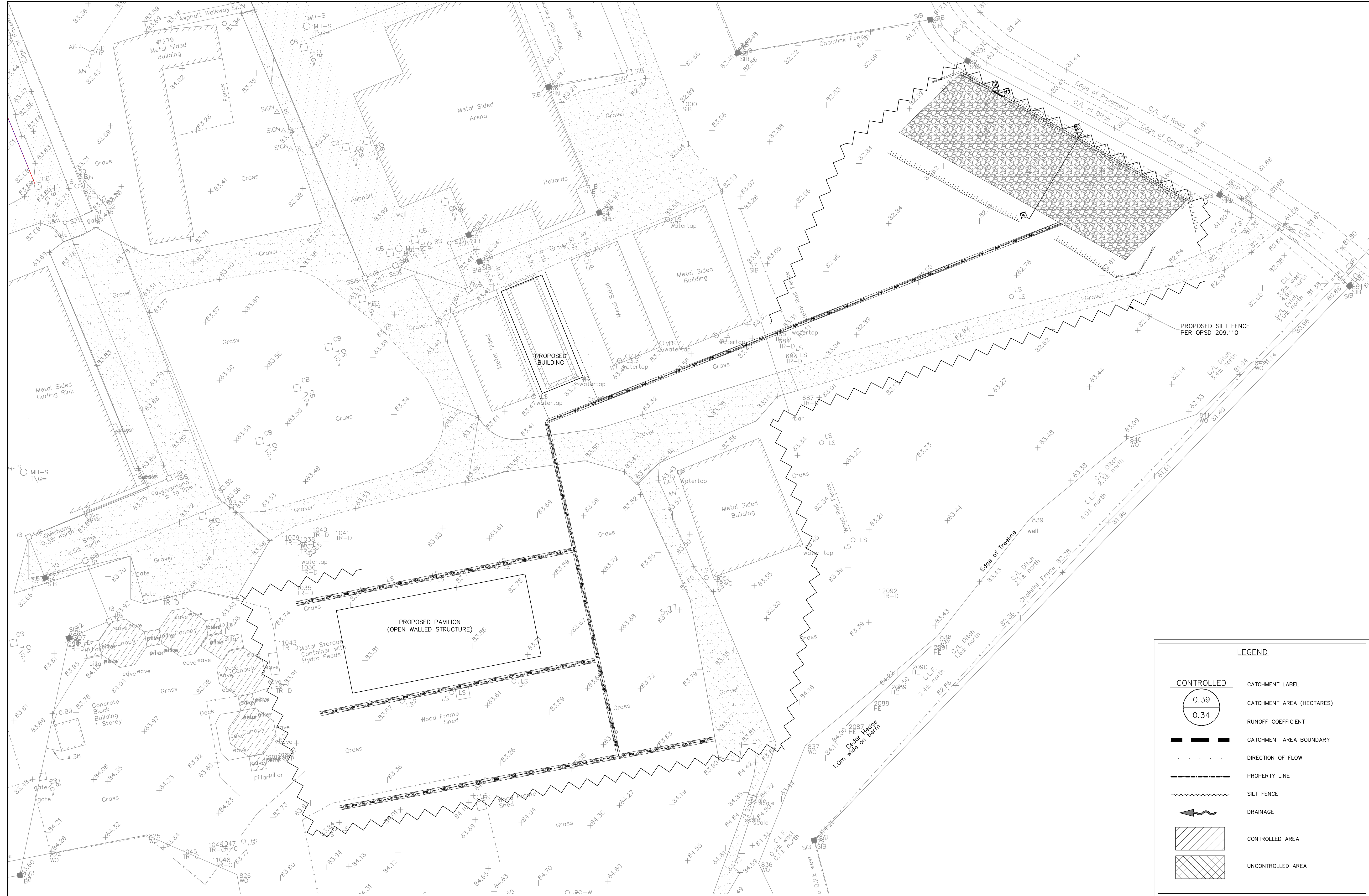
KEY PLAN
NOT TO SCALE

EROSION AND SEDIMENT CONTROL NOTES:

1. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES, TO PROVIDE FOR PROTECTION OF THE STORM SEWER SYSTEM, DURING CONSTRUCTION ACTIVITIES. THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.
2. THE OWNER (AND/OR CONTRACTOR) AGREES TO PREPARE AND IMPLEMENT AN EROSION AND SEDIMENT CONTROL PLAN AT LEAST EQUAL TO THE STATED MINIMUM REQUIREMENTS AND TO THE SATISFACTION OF THE TOWNSHIP OF NORTH DUNDAS, 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.
3. THE CONTRACTOR IS TO ENSURE THAT THE SITE ACCESS POINTS AND ADJACENT STREETS TO THE ACCESS POINTS ARE MAINTAINED AND KEPT CLEAN OF CONSTRUCTION MATERIALS SUCH AS, BUT NOT LIMITED TO MUD, DIRT, CLAY AND GRANULARS ON A DAILY BASIS OR AS NECESSARY, TO THE SATISFACTION OF THE CITY OF OTTAWA.
4. EVERY EFFORT WILL BE MADE TO ENSURE THAT ALL DISTURBED AREAS ARE TOPSOILED AND SEEDED AS SOON AS REASONABLY POSSIBLE.
5. THE SEDIMENT AND EROSION CONTROL PLAN IS A LIVING DOCUMENT WHICH MAY BE AMENDED BY ONSITE REQUIREMENTS AT THE APPROVAL OF THE MUNICIPALITY AND THE CONSERVATION AUTHORITY.
6. ALL SEDIMENT AND EROSION CONTROL MEASURES TO BE INSPECTED/CLEANED AFTER RAIN EVENTS.
7. MUD MAT OR MECHANICAL TRACKOUT PLATE TO BE INSTALLED AT CONSTRUCTION SITE ENTRANCE.

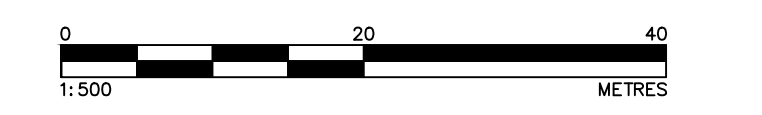
MINIMUM EROSION AND SEDIMENT CONTROL PLAN REQUIREMENTS:

- TIME THE DEMOLITION AND EXCAVATION ACTIVITIES SO THAT THEY OCCUR NO SOONER THAN IS NECESSARY FOR SUBSEQUENT CONSTRUCTION ACTIVITIES.
- LANDSCAPE THE SITE AS SOON AS PRACTICALLY POSSIBLE.
- USE SILT FENCES AROUND ANY STOCKPILES OF SOIL.
- PRIOR TO CONSTRUCTION, SILT FENCE BARRIERS (OPSD 219.110) WILL BE PLACED ALONG THE PROPERTY LINES AS ON THE DRAWING.
- THE SILT FENCE SHOULD BE REMOVED ONLY WHEN THE SITE IS STABILIZED.
- FILTER SOCKS SHOULD BE INSTALLED ACROSS EXISTING STORM MANHOLE AND CATCH BASIN LIDS, AS WELL, FILTER SOCKS SHOULD BE INSTALLED ACROSS THE PROPOSED CATCH BASIN AND MANHOLE LIDS IMMEDIATELY AFTER THE STRUCTURES ARE PLACED. THE FILTER SOCKS SHOULD ONLY BE REMOVED ONCE THE ASPHALTIC CONCRETE IS INSTALLED AND THE SITE IS CLEARED.



LEGEND

	CATCHMENT LABEL
	CATCHMENT AREA (HECTARES)
	RUNOFF COEFFICIENT
	CATCHMENT AREA BOUNDARY
	DIRECTION OF FLOW
	PROPERTY LINE
	SILT FENCE
	DRAINAGE
	CONTROLLED AREA
	UNCONTROLLED AREA



EROSION AND SEDIMENT CONTROL PLAN
SCALE = 1:500m

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PROFESSIONAL ENGINEER
S.E. deWit
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PROVINCE OF ONTARIO

CLIENT NAME: CUMBERLAND TOWNSHIP AGRICULTURE SOCIETY	PROJECT NO.: 240297
PROJECT NAME: PROPOSED BARN AND PAVILION (OPEN WALLED STRUCTURE)	DATE: 2024 MAY 28
PROJECT LOCATION: 1279 COLONIAL ROAD, OTTAWA, ON, K4B 1N1	SCALE: AS SHOWN
DRAWING: EROSION AND SEDIMENT CONTROL PLAN	DRAWING NO.: 240297-GR