

LEGEND

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



POST-DEVELOPMENT PLAN
SCALE = 1:750m



NOTES: 1. ALL DIMENSIONS ARE IN METRES, UNLESS OTHERWISE SPECIFIED; ALL ELEVATIONS ARE IN METRES.
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3. EXISTING SERVICES INFORMATION SHOWN ARE BASED ON BEST CURRENT INFORMATION; CONTRACTOR TO VERIFY EXACT LOCATION AND REPORT ANY DISCREPANCIES TO KOLLAARD ASSOCIATES INC.
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9. INSPECTION OF ROUGH GRADE BY KOLLAARD ASSOCIATES INC. AND MUNICIPALITY MUST BE CONDUCTED PRIOR TO PLACEMENT OF TOPSOIL OR SOD.
10. ALL MATERIALS AND CONSTRUCTION TO BE IN ACCORDANCE WITH MUNICIPAL STANDARDS AND ONTARIO PROVINCIAL STANDARDS AND SPECIFICATIONS
11. ANY CHANGES MADE TO THIS PLAN MUST BE VERIFIED AND APPROVED BY KOLLAARD ASSOCIATES, INC.
12. THIS DRAWING IS PART OF KOLLAARD ASSOCIATES DESIGN REPORT #240297.

No.	REVISION	DATE	BY
2.	RESPONSE TO CITY REVIEW COMMENTS	AUG 28, 2024	NJR
1.	ISSUED FOR SITE PLAN APPROVAL	JUNE 28, 2024	NJR

CONSULTANTS			

Kollaard Associates Engineers

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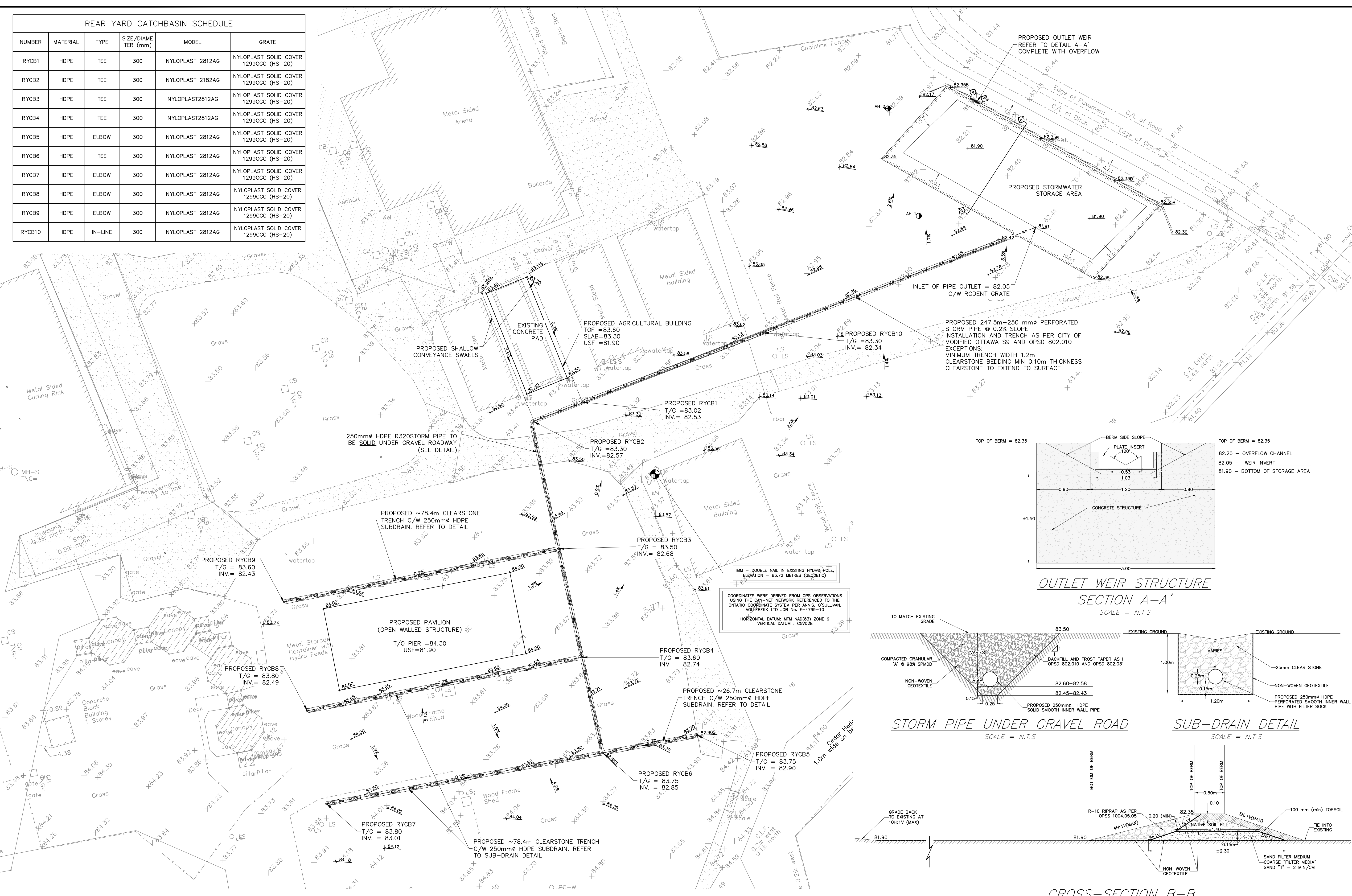
DESIGN	STAMP
NJR	
DRAWN ABD	
CHECKED NJR	
APPROVED SD	

CLIENT NAME	PROJECT No.
CUMBERLAND TOWNSHIP AGRICULTURE SOCIETY	240297
PROJECT NAME	DATE
PROPOSED BARN AND PAVILION (OPEN WALLED STRUCTURE)	JUNE 28, 2024
PROJECT LOCATION	SCALE
1279 COLONIAL ROAD, OTTAWA, ON, K4B 1N1	1:750 m
DRAWING	DRAWING No.
POST-DEVELOPMENT CONDTIONS	240297-POST

REAR YARD CATCHBASIN SCHEDULE					
NUMBER	MATERIAL	TYPE	SIZE/DIAMETER (mm)	MODEL	GRATE
RYCB1	HDPE	TEE	300	NYLOPLAST 2812AG	NYLOPLAST SOLID COVER 1299CGC (HS-20)
RYCB2	HDPE	TEE	300	NYLOPLAST 2182AG	NYLOPLAST SOLID COVER 1299CGC (HS-20)
RYCB3	HDPE	TEE	300	NYLOPLAST2812AG	NYLOPLAST SOLID COVER 1299CGC (HS-20)
RYCB4	HDPE	TEE	300	NYLOPLAST2812AG	NYLOPLAST SOLID COVER 1299CGC (HS-20)
RYCB5	HDPE	ELBOW	300	NYLOPLAST 2812AG	NYLOPLAST SOLID COVER 1299CGC (HS-20)
RYCB6	HDPE	TEE	300	NYLOPLAST 2812AG	NYLOPLAST SOLID COVER 1299CGC (HS-20)
RYCB7	HDPE	ELBOW	300	NYLOPLAST 2812AG	NYLOPLAST SOLID COVER 1299CGC (HS-20)
RYCB8	HDPE	ELBOW	300	NYLOPLAST 2812AG	NYLOPLAST SOLID COVER 1299CGC (HS-20)
RYCB9	HDPE	ELBOW	300	NYLOPLAST 2812AG	NYLOPLAST SOLID COVER 1299CGC (HS-20)
RYCB10	HDPE	IN-LINE	300	NYLOPLAST 2812AG	NYLOPLAST SOLID COVER 1299CGC (HS-20)



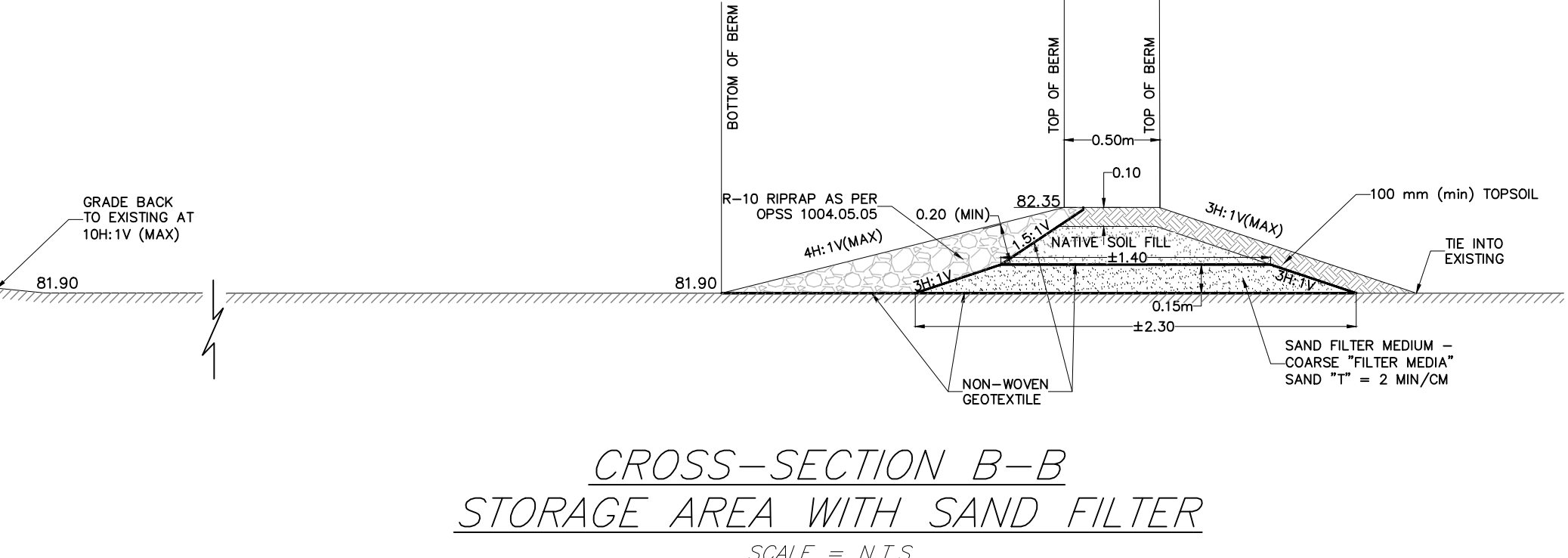
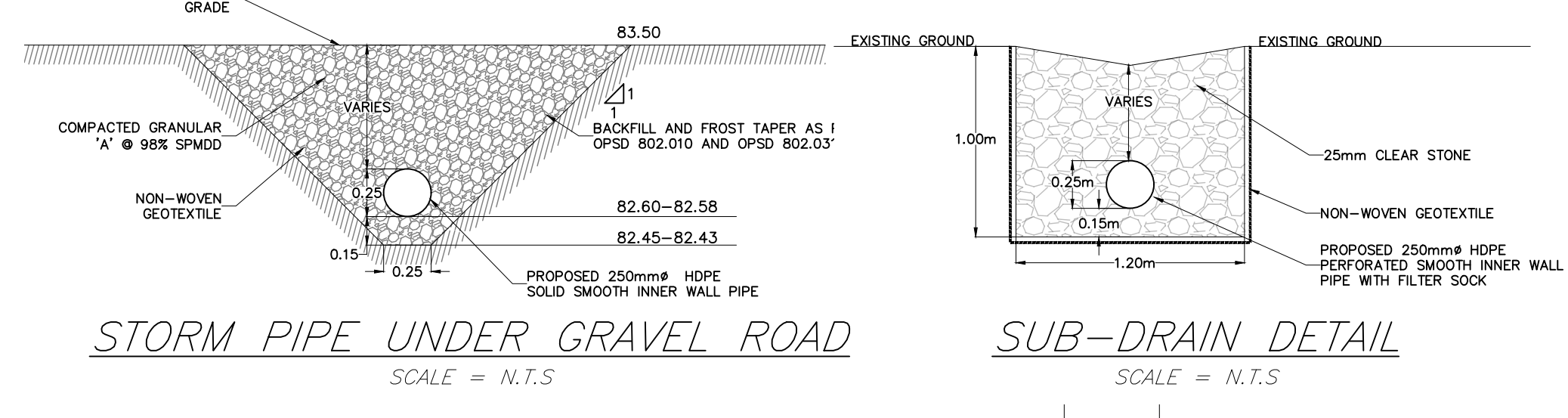
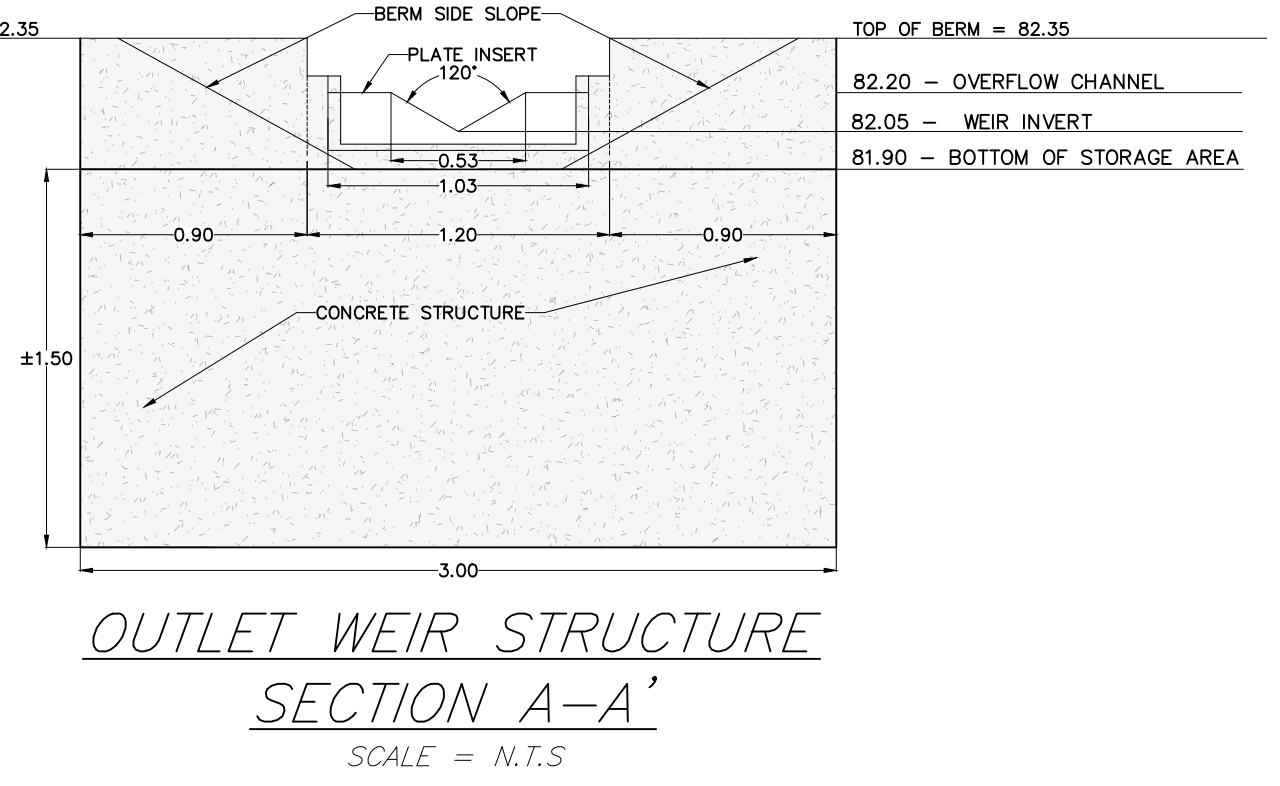
KEY PLAN
NOT TO SCALE



LEGEND	
	PROPOSED ELEVATION
	PROPOSED SUBDRAIN ELEVATION
	AUGERHOLE
	PROPOSED SUBDRAIN
	EXISTING STORM PIPE
	TOP OF SLOPE
	TEMPORARY BENCHMARK

PROPOSED STORM AND SUBDRAIN PIPE
 PROPOSED STORM AND SUBDRAIN PIPE TO CONSIST OF 250mm Ø 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 RYCBs.
 - 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.



GRADING PLAN
SCALE = 1:500m

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NO.	REVISION	DATE	BY
2	RESPONSE TO CITY REVIEW COMMENTS	AUG 29, 2024	NJR
1	ISSUED FOR SITE PLAN APPROVAL	JUNE 28, 2024	NJR

Kollaard Associates Engineers

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K0G 1J0
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DESIGN: NJR
DRAWN: ABD
CHECKED: NJR
APPROVED: SD

STAMP: LICENSED PROFESSIONAL ENGINEER
AUG 29 2024
S.E. deWit
100079612
PROVINCE OF ONTARIO

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



KEY PLAN
NOT TO SCALE



EROSION AND SEDIMENT CONTROL NOTES:

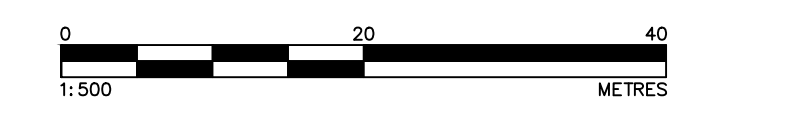
1. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES, TO PROVIDE FOR PROTECTION OF THE STORM SEWER SYSTEM, DURING CONSTRUCTION ACTIVITIES. THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE 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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DESIGN	STAMP	CLIENT NAME	PROJECT NO.
NJR		CUMBERLAND TOWNSHIP AGRICULTURE SOCIETY	240297
ABD		PROPOSED BARN AND PAVILION (OPEN WALLED STRUCTURE)	DATE: 2024 MAY 28
NJR		PROJECT LOCATION: 1279 COLONIAL ROAD, OTTAWA, ON, K4B 1N1	SCALE: AS SHOWN
SD		DRAWING: EROSION AND SEDIMENT CONTROL PLAN	DRAWING No. 240297-ECS

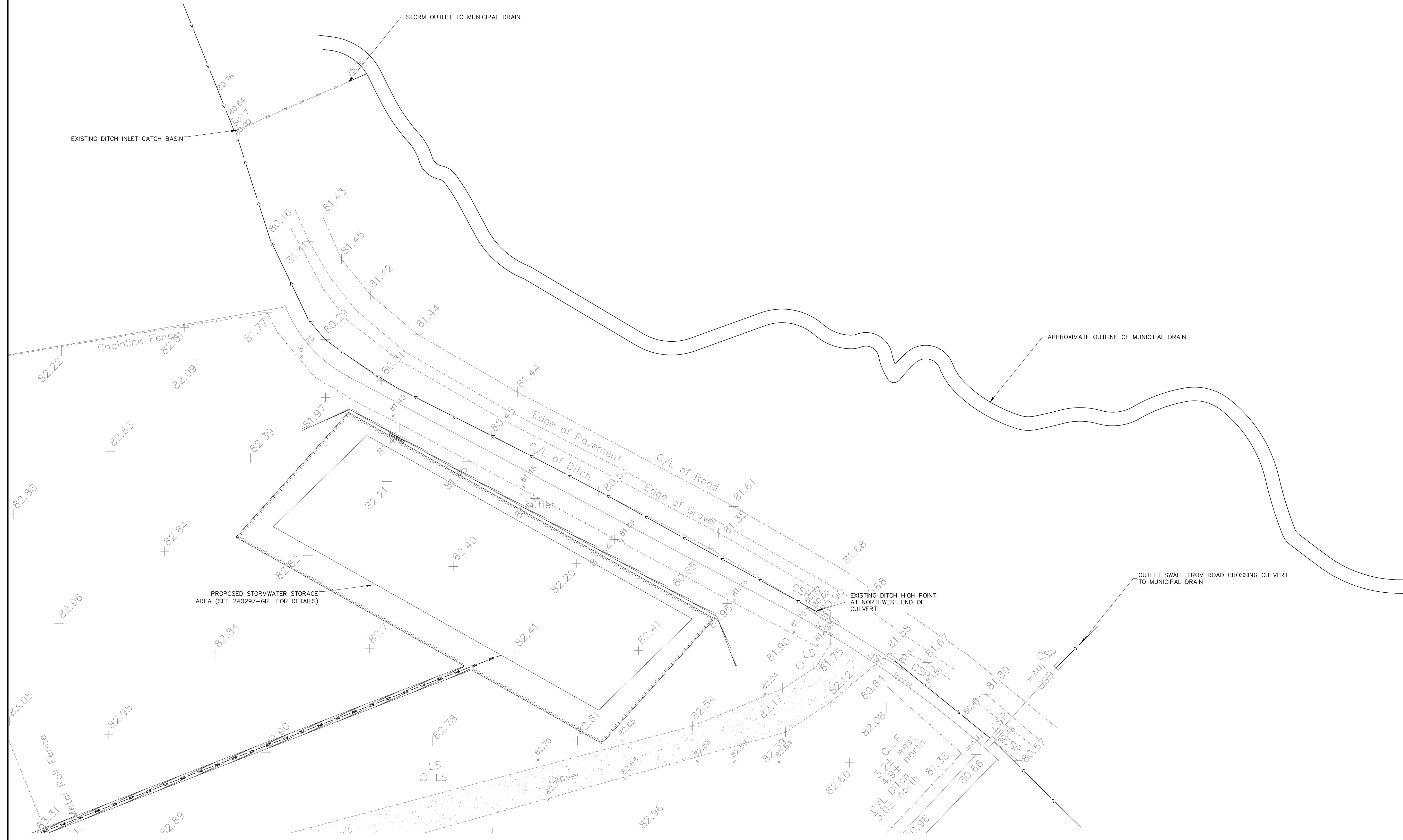
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(613) 860-0923



KEY PLAN
NOT TO SCALE



LEGEND

- PROPOSED ELEVATION
- PROPOSED SUBDRAIN ELEVATION
- AUGERHOLE
- PROPOSED SUBDRAIN
- EXISTING STORM PIPE
- TOP OF SLOPE
- TEMPORARY BENCHMARK

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

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GRADING PLAN
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CONSULTANTS	

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DESIGN: --

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CHECKED: NJR

APPROVED: SD

STAMP: LICENSED PROFESSIONAL ENGINEER
AUG 29 2024
S. E. deWit
100079612
PROVINCE OF ONTARIO

CLIENT NAME CUMBERLAND TOWNSHIP AGRICULTURE SOCIETY	PROJECT No. 240297
PROJECT NAME PROPOSED BARN AND PAVILION (OPEN WALLED STRUCTURE)	DATE JUNE 28, 2024
PROJECT LOCATION 1279 COLONIAL ROAD, OTTAWA, ON, K4B 1N1	SCALE AS SHOWN
DRAWING EXISTING DITCH DRAINAGE PATTERNS	DRAWING No. 240297-DITCH

ARCH D