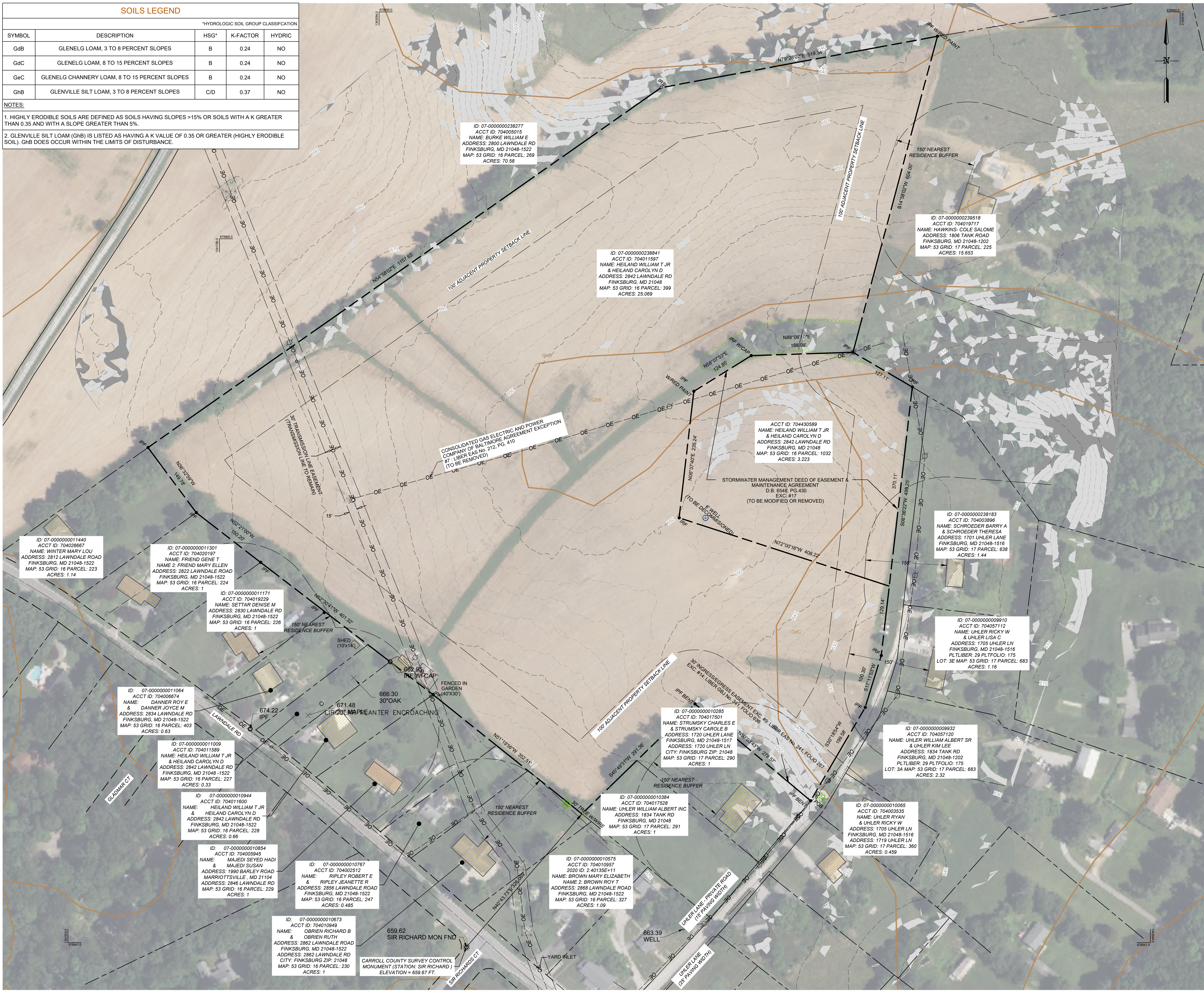


SOILS LEGEND

*HYDROLOGIC SOIL GROUP CLASSIFICATION				
SYMBOL	DESCRIPTION	HSG*	K-FACTOR	HYDRIC
GdB	GLENELG LOAM, 3 TO 8 PERCENT SLOPES	B	0.24	NO
GdC	GLENELG LOAM, 8 TO 15 PERCENT SLOPES	B	0.24	NO
GeC	GLENELG CHANNERY LOAM, 8 TO 15 PERCENT SLOPES	B	0.24	NO
GhB	GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES	C/D	0.37	NO

NOTES:
 1. HIGHLY ERODIBLE SOILS ARE DEFINED AS SOILS HAVING SLOPES >15% OR SOILS WITH A K VALUE GREATER THAN 0.35 AND WITH A SLOPE GREATER THAN 5%.
 2. GLENVILLE SILT LOAM (GHB) IS LISTED AS HAVING A K VALUE OF 0.35 OR GREATER (HIGHLY ERODIBLE SOIL). GHB DOES OCCUR WITHIN THE LIMITS OF DISTURBANCE.



NOTES:

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LEGEND

- NOTE: LEGEND IS TYPICAL. NOT ALL OBJECTS IN LEGEND APPEAR IN PLAN.
- 000 --- EXISTING CONTOURS
 - PROPERTY BOUNDARY
 - ADJOINING PROPERTY LINE
 - EXISTING RIGHT OF WAY
 - Web EXISTING SOIL BOUNDARY & DESCRIPTOR
 - EXISTING SETBACK
 - OE --- OE --- EXISTING OVERHEAD ELECTRIC
 - EXISTING TRANSMISSION TOWER
 - EXISTING STRUCTURE
 - EXISTING GRAVEL ROAD
 - EXISTING PAVED ROAD
 - 10-15% SLOPES
 - >15% SLOPES
 - W EXISTING WELL
 - EXISTING TREE
 - EXISTING TREELINE



NO.	REVISION	DATE	BY

DESIGNED BY	CHECKED BY	DATE	SCALE
ABC	BCC	06/17/2026	1" = 80'
	CLE		

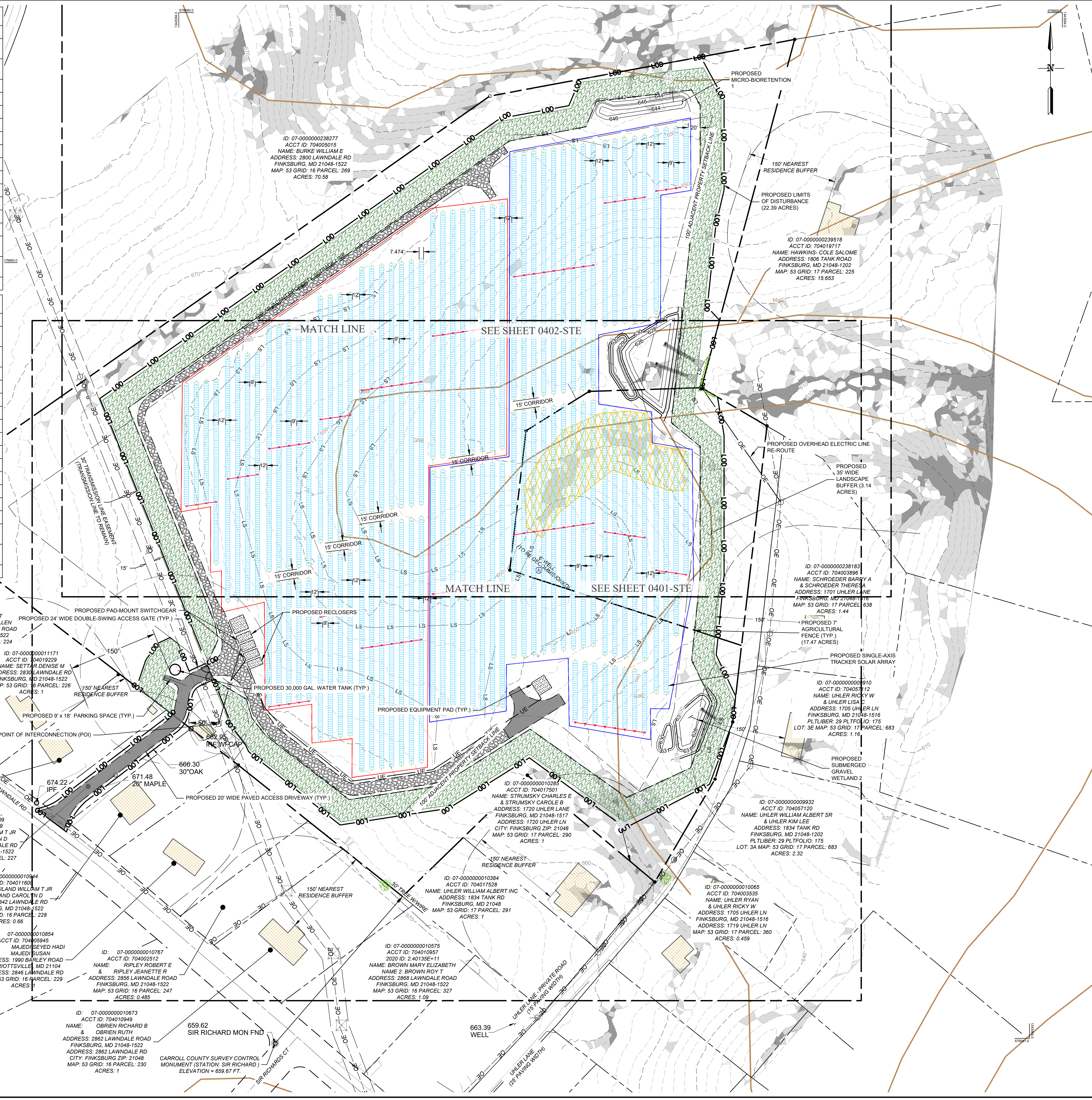
EXISTING SITE CONDITIONS PLAN
2842 LAWDALE RD, FINKSBURG, MD 21048
 FINKSBURG
 CARROLL HEILAND SOLAR 2, LLC
 CARROLL COUNTY, MARYLAND

Sheet
 0200-EXT

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CARROLL HEILAND SOLAR, LLC SYSTEM DETAILS	
INTERCONNECTION:	13.0 kV
ESTIMATED ELEVATION ABOVE SEA LEVEL:	650 FT
MODULE TYPE:	ASTRONERGY CHSM72M(DG)/F-BH
MODULE SIZE:	555 W
MODULE QUANTITY:	4,617
TILT DEGREES:	±52°
GROUND COVER RATIO:	45 %
MODULES PER STRING:	27
STRING COUNT:	171
INVERTER(S):	SMA SHP 150-US-21
INVERTER QUANTITY:	14
RACKING TYPE:	OMNITRACK SAT
SYSTEM SIZE (DC):	2,562 MW
SYSTEM SIZE (AC):	2,000 MW
DC/AC RATIO:	1.281
ROW SPACING (FRONT TO BACK):	9.135 FT
ROW PITCH (FRONT TO FRONT):	16.61 FT
ARRAY AZIMUTH:	180 °

CARROLL HEILAND SOLAR 2, LLC SYSTEM DETAILS	
INTERCONNECTION:	13.0 kV
ESTIMATED ELEVATION ABOVE SEA LEVEL:	650 FT
MODULE TYPE:	ASTRONERGY CHSM72M(DG)/F-BH
MODULE SIZE:	555 W
MODULE QUANTITY:	4,482
TILT DEGREES:	±52°
GROUND COVER RATIO:	45 %
MODULES PER STRING:	27
STRING COUNT:	166
INVERTER(S):	SMA SHP 150-US-21
INVERTER QUANTITY:	14
RACKING TYPE:	OMNITRACK SAT
SYSTEM SIZE (DC):	2,487 MW
SYSTEM SIZE (AC):	2,000 MW
DC/AC RATIO:	1.244
ROW SPACING (FRONT TO BACK):	9.135 FT
ROW PITCH (FRONT TO FRONT):	16.61 FT
ARRAY AZIMUTH:	180 °




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LEGEND

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	EXISTING SETBACK
	EXISTING OVERHEAD ELECTRIC
	EXISTING TRANSMISSION TOWER
	EXISTING STRUCTURE
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	PROPOSED DRIVE LINE
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	PROPOSED BITUMINOUS PAVING
	PROPOSED EQUIPMENT PAD
	PROPOSED FENCE
	PROPOSED LANDSCAPE BUFFER
	PROPOSED APPROXIMATE LEVEL SPREADER
	PROPOSED WATER TANK
	PROPOSED TREE LINE
	PROPOSED LIMIT OF DISTURBANCE
	PROPOSED CARROLL HEILAND SOLAR, LLC SITE BOUNDARY
	PROPOSED CARROLL HEILAND SOLAR 2, LLC SITE BOUNDARY
	PANEL AREAS TO BE GRADED TO 15% MAXIMUM

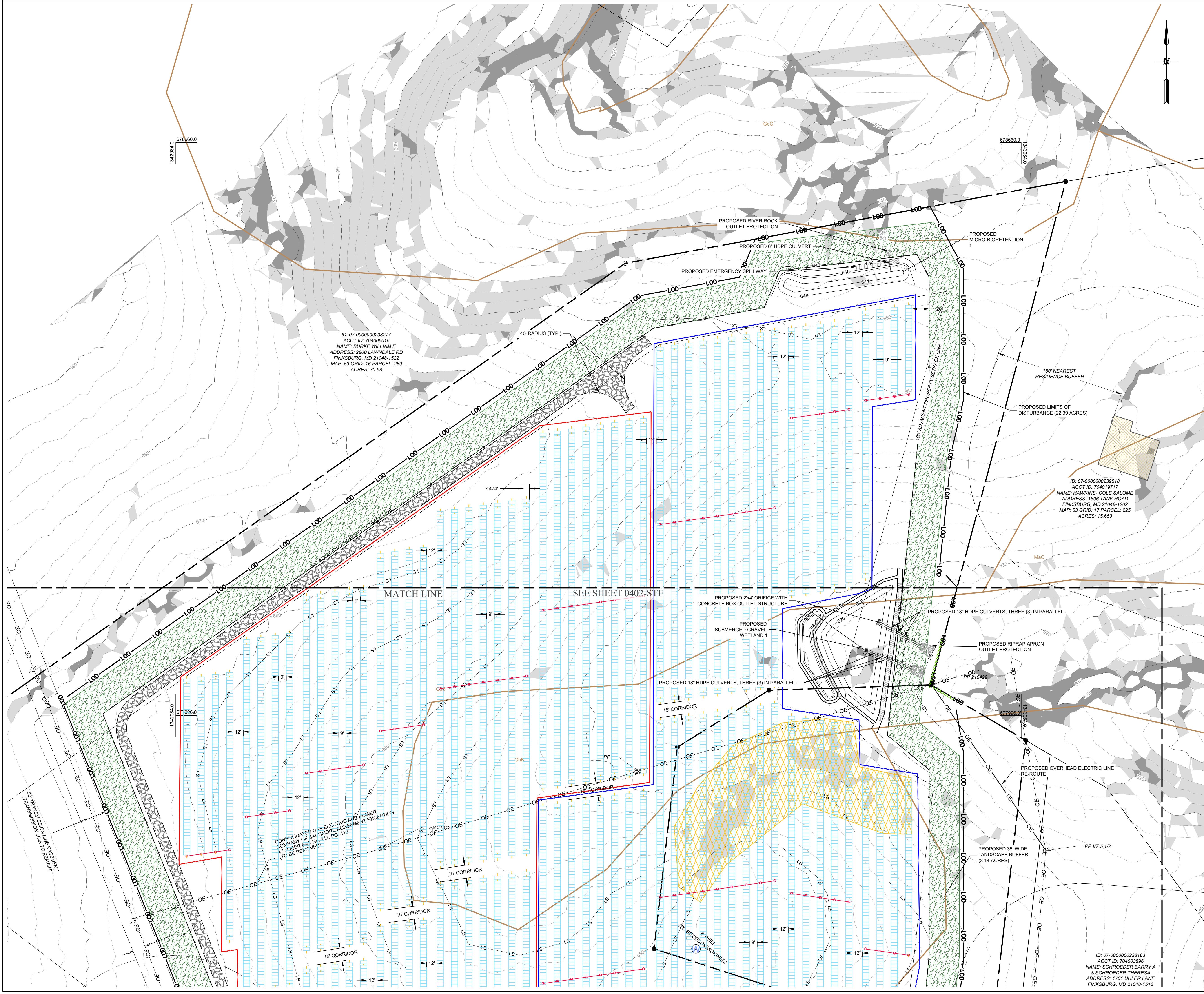


ARM Group LLC
Engineers and Scientists
www.armgroup.net

<p>DATE: 06/17/2026</p> <p>SCALE: 1" = 80'</p> <p>SCALE IN FEET</p>	<p>PROJECT NO: 25011118</p>	<p>DATE: 06/17/2026</p>	<p>SCALE: 1" = 80'</p>
<p>ABC</p>	<p>BCC</p>	<p>CLE</p>	<p>DATE: 06/17/2026</p>
<p>OVERALL PROPOSED SITE CONDITIONS PLAN</p>	<p>2842 LAWDALE RD, FINKSBURG, MD 21048</p>	<p>FINKSBURG</p>	<p>CARROLL COUNTY, MARYLAND</p>
<p>CARROLL HEILAND SOLAR, LLC</p>	<p>CARROLL HEILAND SOLAR 2, LLC</p>	<p>FINKSBURG</p>	<p>CARROLL COUNTY, MARYLAND</p>

Sheet 0400-STE

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	PROPOSED CARROLL HEILAND SOLAR, LLC SITE BOUNDARY
	PROPOSED CARROLL HEILAND SOLAR 2, LLC SITE BOUNDARY
	PANEL AREAS TO BE GRADED TO 15% MAXIMUM

ID: 07-000000238277
 ACCT ID: 704003515
 NAME: BURKE WILLIAM E
 ADDRESS: 2800 LAWNDALE RD
 FINKSBURG, MD 21048-1522
 MAP: 53 GRID: 16 PARCEL: 289
 ACRES: 70.58

ID: 07-000000239518
 ACCT ID: 704019717
 NAME: HAWKINS-COLE SALOME
 ADDRESS: 1806 TANK ROAD
 FINKSBURG, MD 21048-1202
 MAP: 53 GRID: 17 PARCEL: 225
 ACRES: 15.653

ID: 07-000000238183
 ACCT ID: 704003896
 NAME: SCHROEDER BARRY A
 & SCHROEDER THERESA
 ADDRESS: 1701 LINLER LANE
 FINKSBURG, MD 21048-1516

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 Engineers and Scientists
www.armgroup.net

Project No.	ABC
Client	BCC
Drawn	CLE
Scale	1" = 50'
Date	06/17/2026
Sheet No.	25011118
Revision	

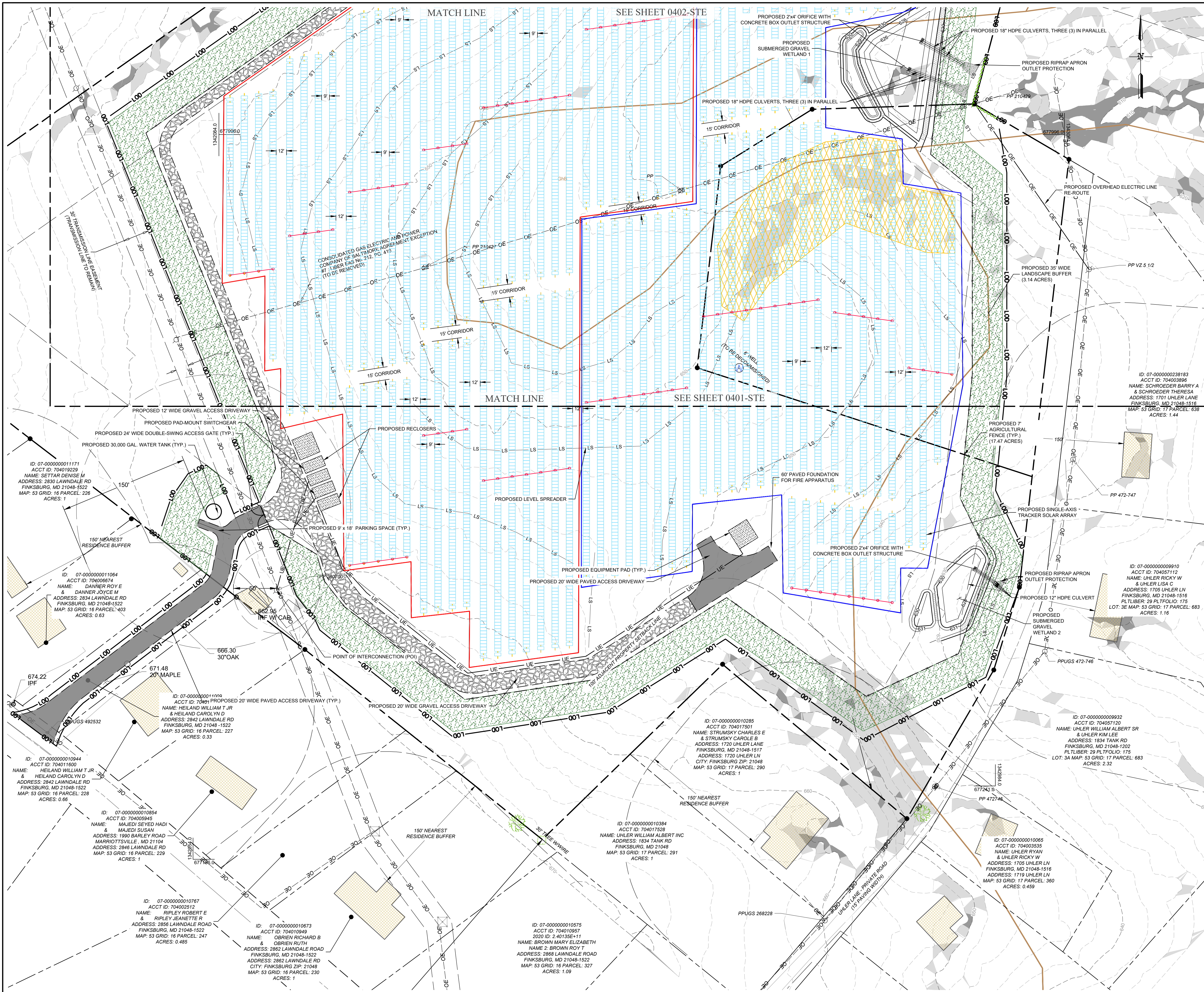
PROPOSED SITE CONDITIONS (1 OF 2)
 2842 LAWNDALE RD, FINKSBURG, MD 21048
 CARROLL HEILAND SOLAR, LLC
 CARROLL HEILAND SOLAR 2, LLC

Sheet
0401-STE

FINKSBURG
 CARROLL COUNTY, MARYLAND

P:\ARM\Revised\Proposed\25011118 - Carroll Heiland Solar 2\Production\Drawings - Site\Concept Site Development\Proposed Site Conditions.dwg, Printed: June 22, 2026

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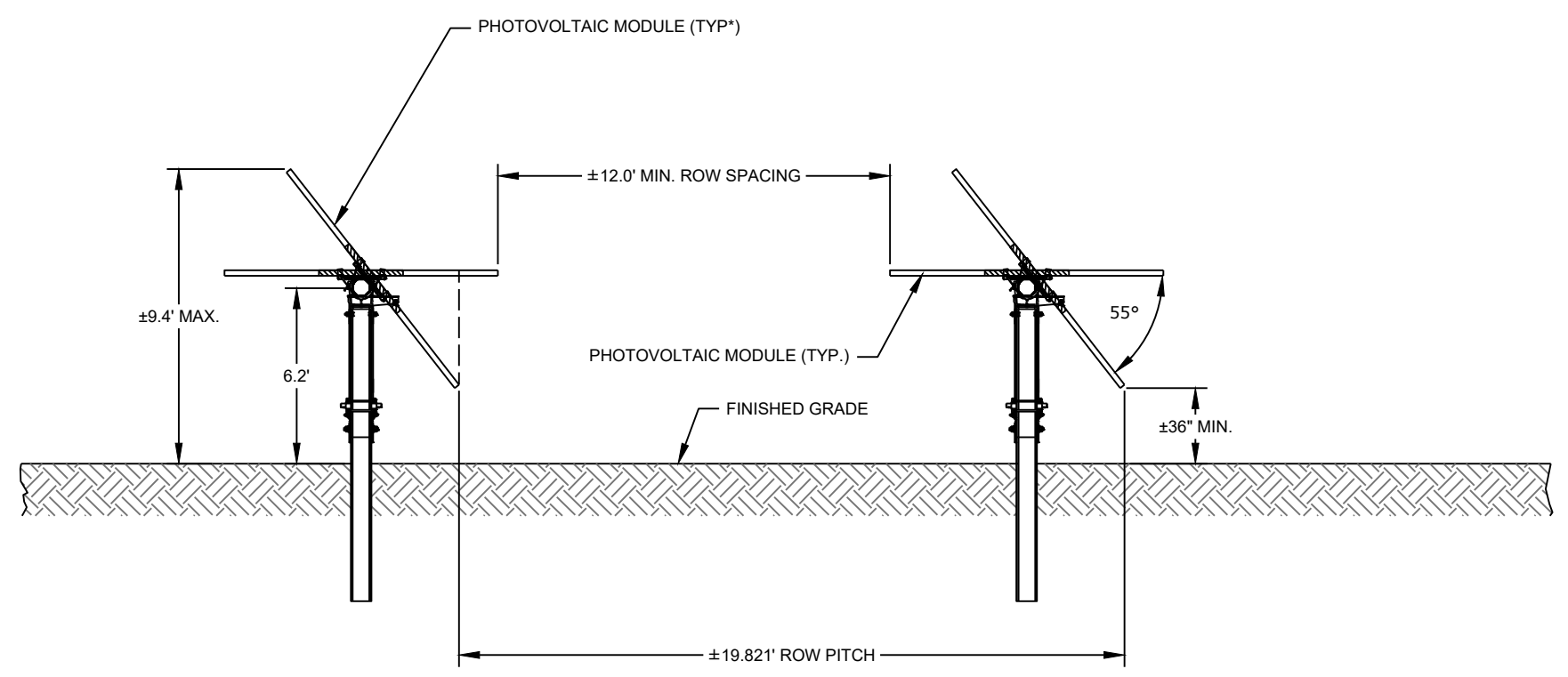
	EXISTING CONTOURS
	PROPERTY BOUNDARY
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	EXISTING RIGHT OF WAY
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	PANEL AREAS TO BE GRADED TO 15% MAXIMUM



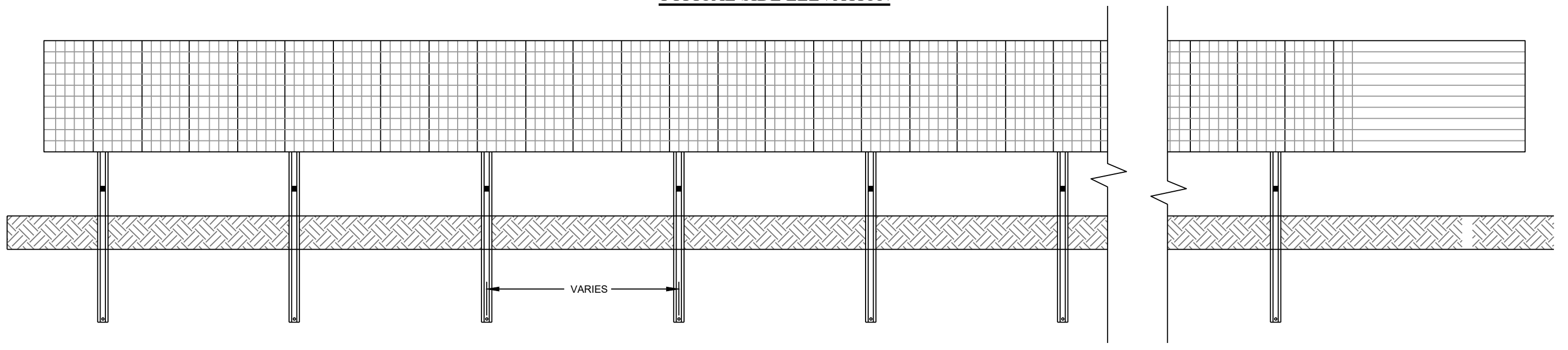
Author	ABC
Checked	BCC
Drawn	CLE
Project No.	25011118
Revision	
Date	06/17/2026
Scale	1" = 50'

Proposed	ABC
Checked	BCC
Drawn	CLE
Project No.	25011118
Revision	
Date	06/17/2026
Scale	1" = 50'

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TYPICAL SIDE ELEVATION

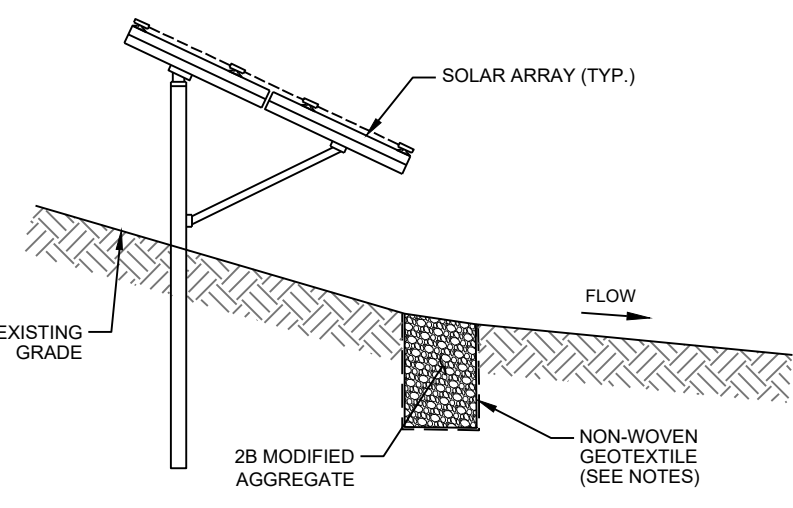


FRONT ELEVATION

NOTES:

1. THE INFORMATION SHOWN HERE IS FOR GENERAL REFERENCE ONLY. ARRAY CONFIGURATION DIMENSIONS SHOWN HERE MAY VARY.

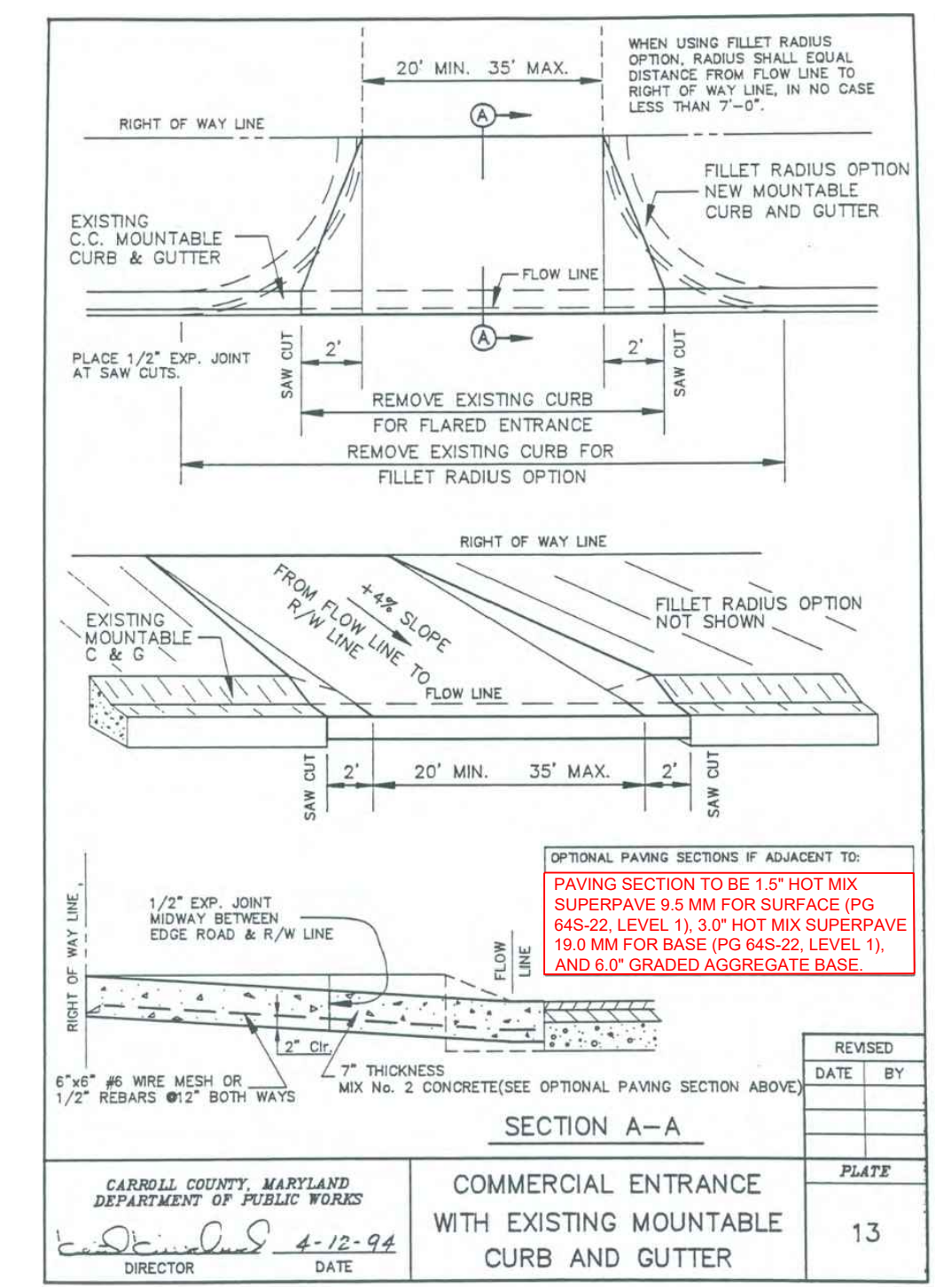
1 DETAIL SOLAR ARRAY - SINGLE-AXIS TRACKER (TYP.)
NOT TO SCALE



2 DETAIL LEVEL SPREADER (TYP.)
NOT TO SCALE

NOTES:

1. LEVEL SPREADER SHALL BE MINIMUM 2'-0" WIDE AND 3'-0" DEEP.
2. LEVEL SPREADERS ARE TO BE INSTALLED IN EACH SOLAR ARRAY DEVELOPMENT AREA AS SHOWN. INSTALL PARALLEL TO EXISTING GRADE CONTOURS.
3. ESTABLISH PREPARED SUBGRADE AND STABILIZE SIDES OF LEVEL SPREADER TRENCH PRIOR TO INSTALLATION OF GEOTEXTILE FABRIC AND BACKFILLING WITH STONE.
4. GEOTEXTILE TO BE INSTALLED ON ALL SIDE FACES AND BOTTOM SURFACE OF TRENCH. GEOTEXTILE TO BE NON-WOVEN, 9 OZ/SY MINIMUM, OR APPROVED EQUAL.
5. LEVEL SPREADER DESIGN AS PER CARROLL COUNTY SOLAR PANEL GUIDANCE, DATED MARCH 8, 2023.



3 DETAIL CARROLL COUNTY COMMERCIAL ENTRANCE
NOT TO SCALE

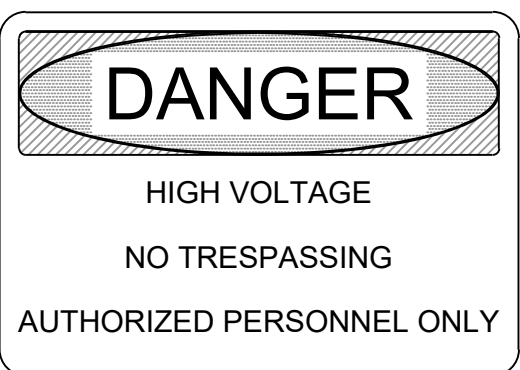
FABRIC	HEIGHT	MESH	GAGE	SELVAGE	FINISH
FRAMEWORK	8"	F.K.			GALV
END/CORNER POST	3"		0.160	4.64	11'
LINE POST	2 1/2"		0.130	3.12	10.5'
RAILS	1 5/8"		0.111	1.84	21'
GATE FRAME	1 5/8"		0.111	1.84	VARIES
GATE POST	4"		0.160	6.56	11'

NOTES:

1. FENCE SHALL BE PLACED ALONG ENTIRE PERIMETER AS SHOWN ON THE PLANS.
2. FENCE SHALL BE INSTALLED FLUSH TO FINISHED GRADE.
3. POSTS SHALL BE SPACED EQUAL DISTANCES APART. MAXIMUM SPACING SHALL BE 20'-0" ON CENTER UNLESS DIRECTED OTHERWISE ON THE PLANS.
4. CROSSMEMBER BRACES AND BRACE WIRE SHALL BE SECURELY FASTENED TO POST WITH BRACE PINS, INCLUDING THREADED, IN-LINE TENSION DEVICE FOR BRACE WIRE.
5. GROUND WIRE SHALL BE ATTACHED TO FENCE FABRIC BY MEANS OF A SPLIT BOLT.
6. WIRE FABRIC MESH SHALL BE STRETCHED TO A SMOOTH AND UNIFORM FINISH BY MEANS OF A SPLIT BOLT AND PLACED ON THE EXTERIOR SIDE OF POST.
7. DETAILS SHOWN INDICATE GENERAL DESIGN AND DIMENSIONS MAY VARY AMONG MANUFACTURERS.
8. GATE AND CORNER POSTS SHALL BE SET IN CONCRETE UNLESS SHOWN OTHERWISE ON THE PLANS.

PROPERTY OWNER: TBD
LEASE HOLDER: TBD
CONTACT: TBD

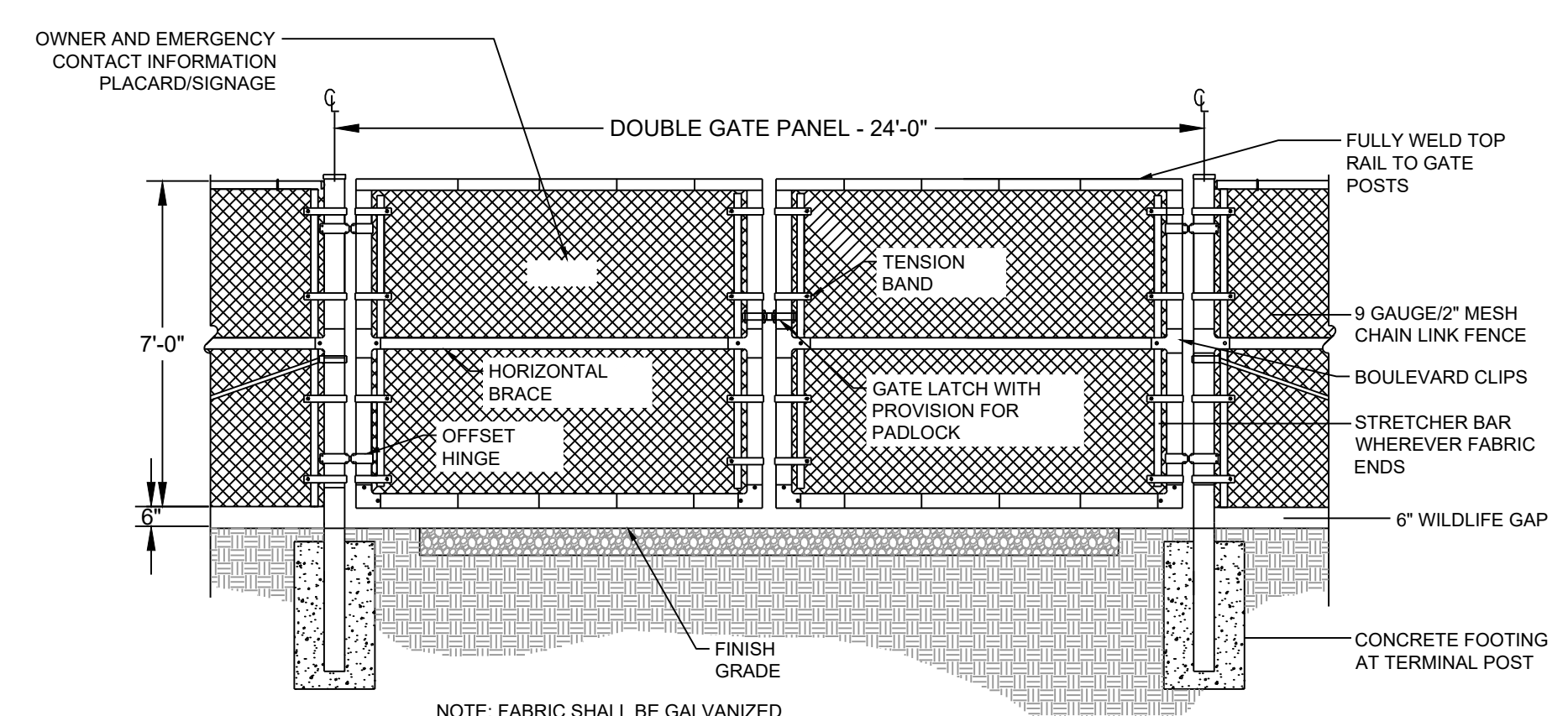
NO TRESPASSING
AUTHORIZED PERSONNEL ONLY



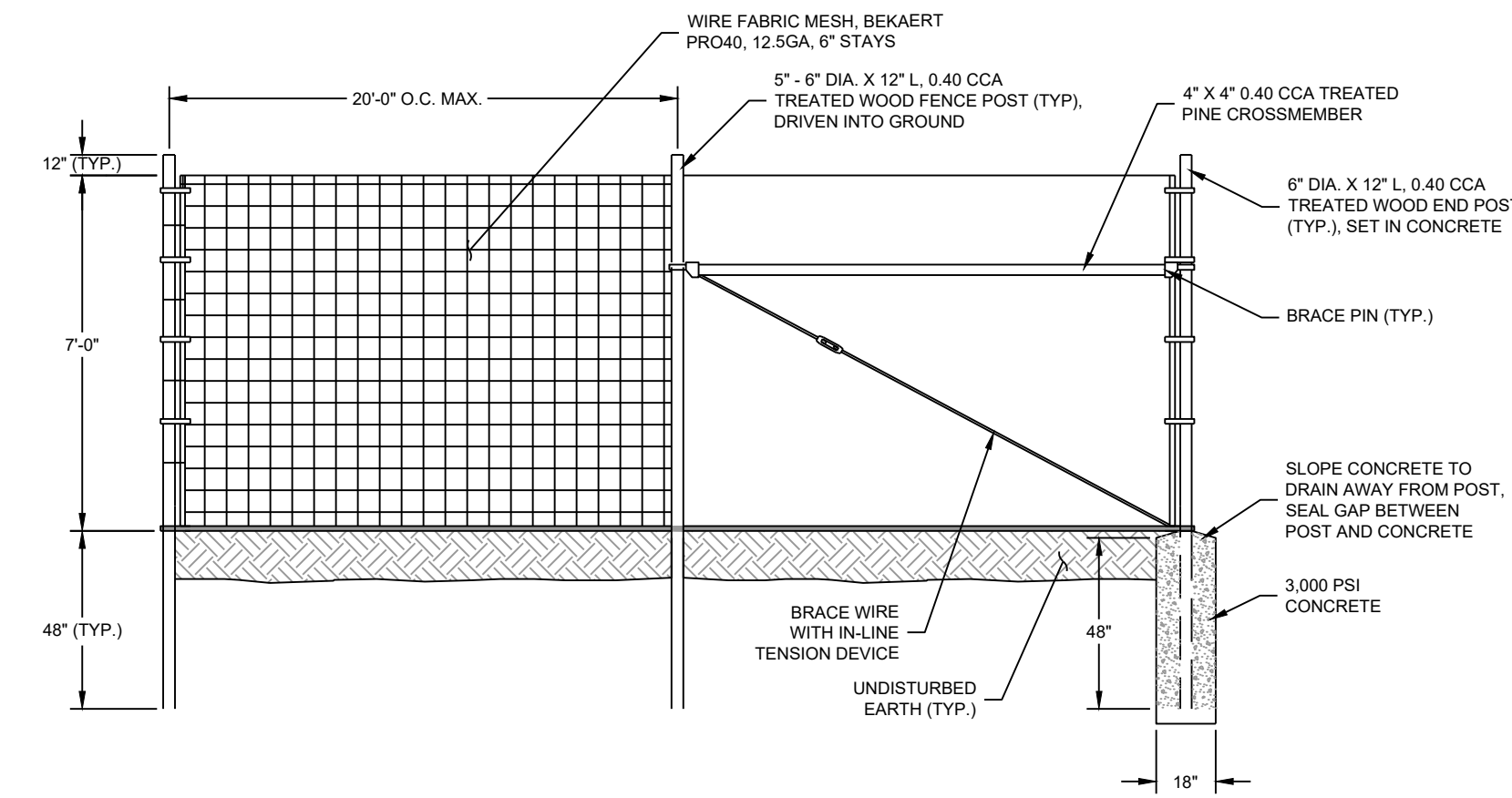
NOTES:

1. SIGNS SHALL BE 24" WIDE BY 18" HIGH, 10 GAUGE ALUMINUM WITH HIGH VISIBILITY REFLECTIVE SHEETING.
2. LOCATION: ALL ACCESS POINTS TO THE SITE AND EVERY 250' AROUND THE PERIMETER SECURITY FENCING.

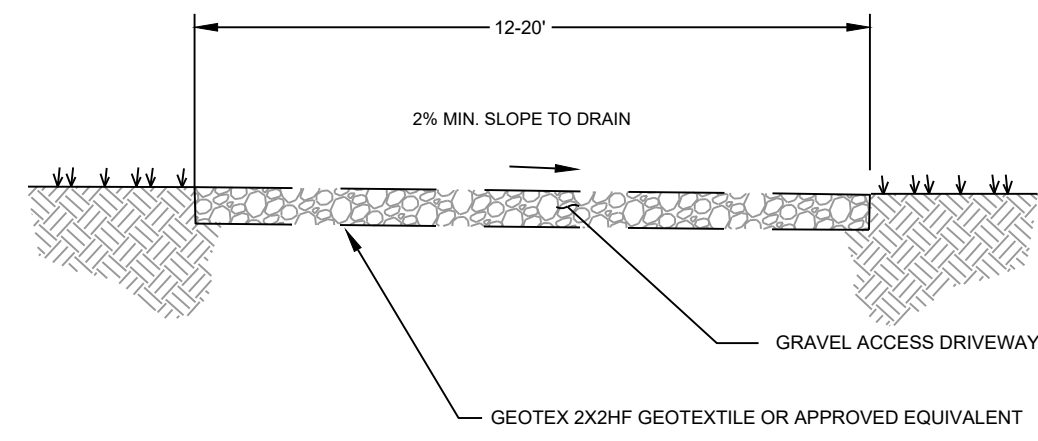
6 DETAIL SIGNAGE (TYP.)
NOT TO SCALE



4 DETAIL DOUBLE SWING VEHICLE ACCESS GATE (24') (TYP.)
NOT TO SCALE



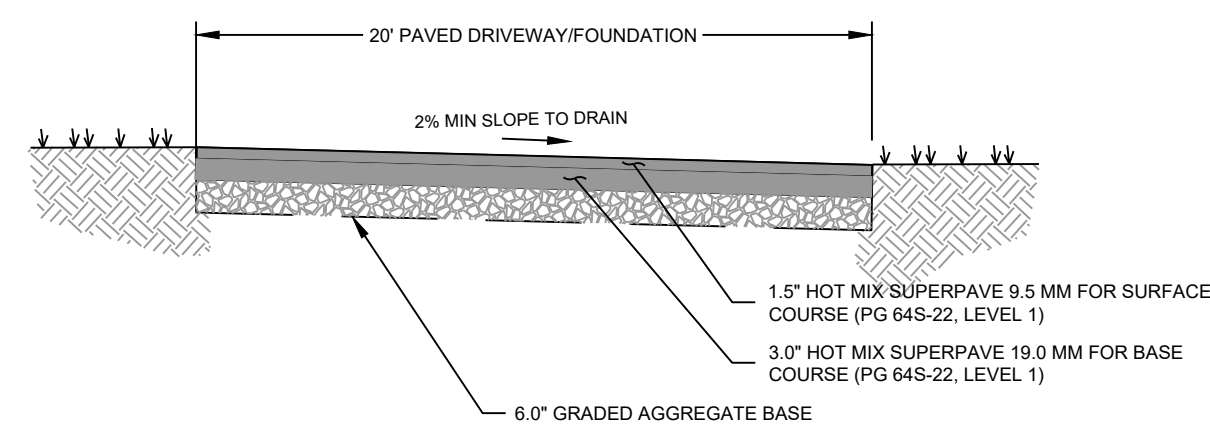
5 DETAIL SECURITY / WILDLIFE FENCE (TYP.)
NOT TO SCALE



NOTES:

1. EXCAVATE TO SUITABLE MATERIAL FOR SUBGRADE AND PROOFROLL AND COMPACT TO PROVIDE SUITABLE SURFACE TO PLACE ROAD.
2. WHERE OVERLAPPING OF GEOTEXTILE FABRIC IS REQUIRED, SUBCONTRACTOR SHALL OVERLAP A MINIMUM OF 12".
3. ACCESS DRIVEWAY SECTION SHALL BE CONFIRMED BY GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION.
4. REMOVE TEMPORARY CONSTRUCTION ACCESS ROAD AND RESTORE TO PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE OWNER AND THE GOVERNING AGENCIES.

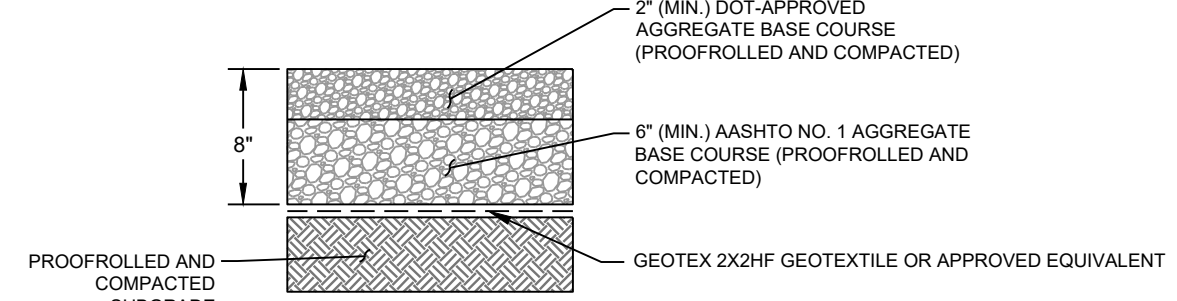
7 DETAIL GRAVEL ACCESS DRIVEWAY
NOT TO SCALE



NOTES:

1. EXCAVATE TO SUITABLE MATERIAL FOR SUBGRADE AND COMPACT TO PROVIDE SUITABLE SURFACE TO PLACE ROAD.
2. GEOTECHNICAL ENGINEER TO SPECIFY PAVING SECTION BASED ON SITE INVESTIGATION

7.A DETAIL PAVED ACCESS DRIVE
NOT TO SCALE



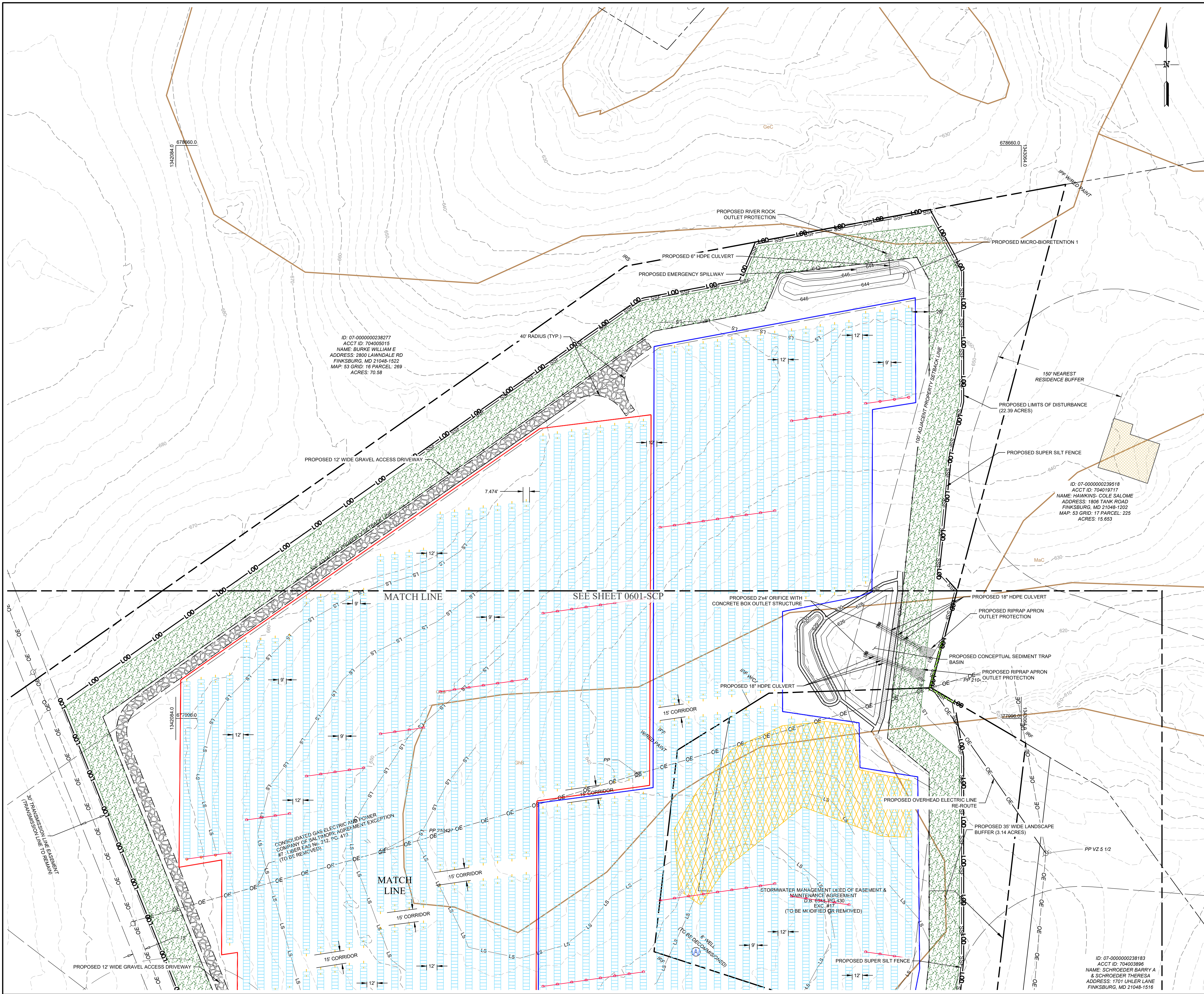
NOTES:

1. EXCAVATE TO SUITABLE MATERIAL FOR SUBGRADE AND PROOFROLL AND COMPACT TO PROVIDE SUITABLE SURFACE TO PLACE EQUIPMENT PAD.
2. WHERE OVERLAPPING OF GEOTEXTILE FABRIC IS REQUIRED, SUBCONTRACTOR SHALL OVERLAP A MINIMUM OF 12".
3. SECTION SHALL BE CONFIRMED BY GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION.

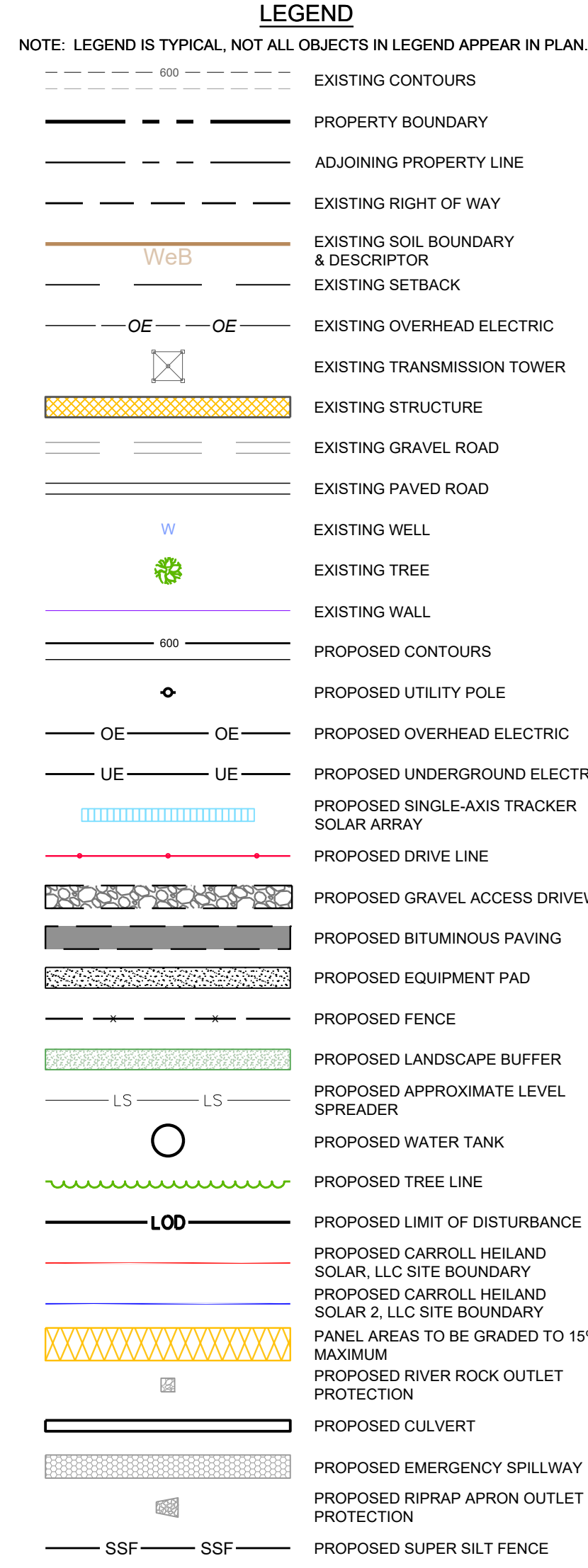
8 DETAIL GRAVEL ACCESS DRIVEWAY SECTION (TYP.)
NOT TO SCALE

AS NOTED	DATE	BY
ABC	06/17/2026	
BCC		
CLE	25011118	
PROJECT NO.	2842 LAWDALE RD, FINKSBURG, MD 21048	
CLIENT	CARROLL HEILAND SOLAR 2, LLC	
LOCATION	FINKSBURG, MARYLAND	
DATE	CARROLL HEILAND SOLAR 2, LLC	
PROJECT NO.	0500-DET	

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STANDARD STABILIZATION NOTE

FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION MUST BE COMPLETED WITHIN:

- a. THREE (3) CALENDAR DAYS TO THE SURFACE OF ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3:1, AND
- b. SEVEN (7) CALENDAR DAYS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE NOT UNDER ACTIVE GRADING.

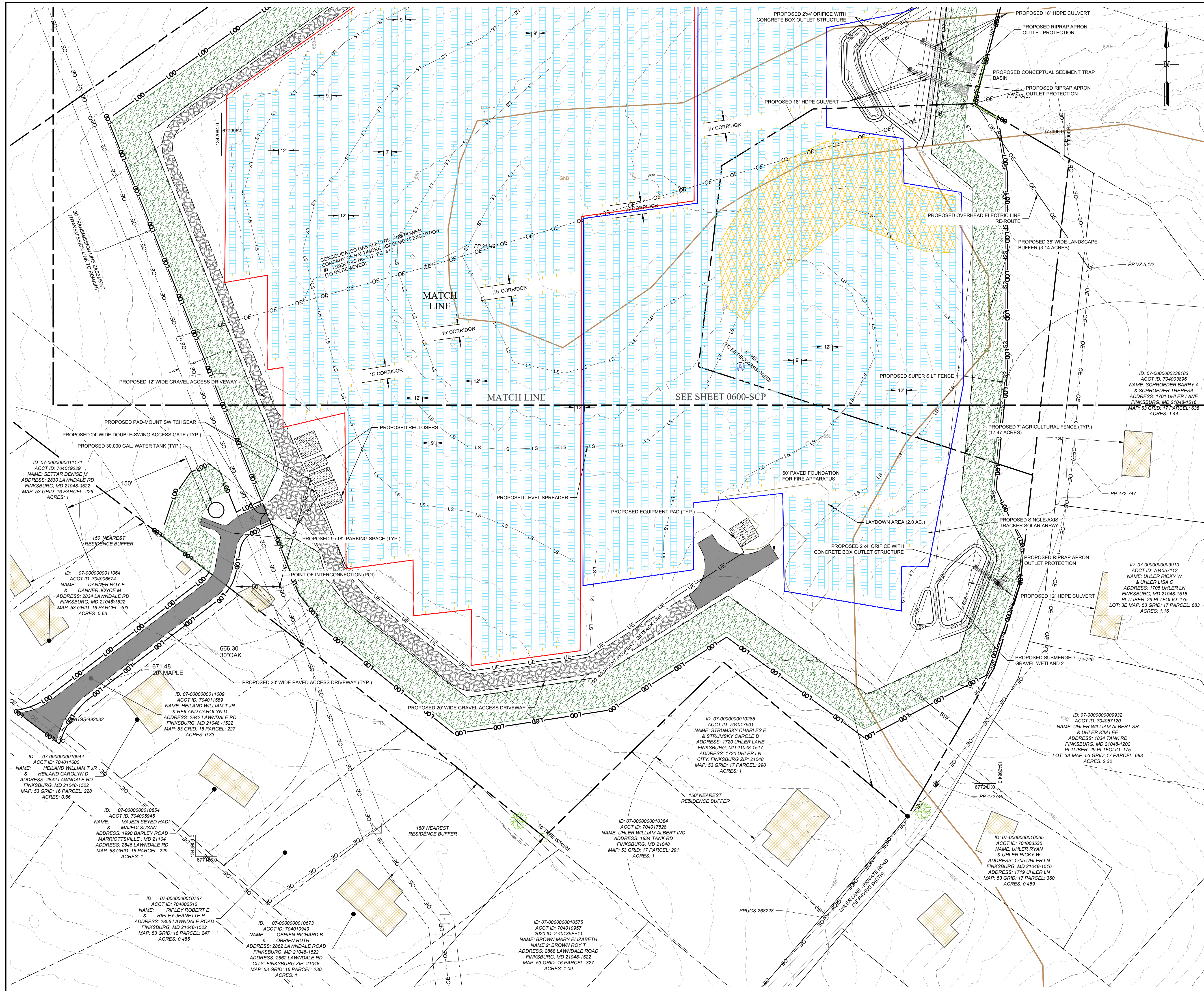
NOTE: TOP SOIL MAY BE GRADED AND STOCKPILED IF NEEDED, BUT NO TOP SOIL MAY LEAVE THE SITE



Revised	By	Date

Revised	By	Date

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NOTES:

1. THE BASE MAP HAS BEEN CREATED USING AERIAL IMAGERY, AVAILABLE COUNTY GIS DATA, AND SURVEYED DATA.
2. AN ALTA SURVEY WAS COMPLETED BY ARM GROUP LLC ON SEPTEMBER 03, 2025.
3. AN AQUATIC RESOURCE INVESTIGATION WAS COMPLETED BY ARM GROUP LLC ON JULY 22, 2025.
4. PHASE 1 ENVIRONMENTAL SITE ASSESSMENT (ESA) WAS COMPLETED BY ARM GROUP LLC ON AUGUST 22, 2025.
5. THIS PLAN IS IN THE MARYLAND STATE PLANE, NORTH AMERICAN DATUM 1983 (NAD 83) COORDINATE SYSTEM.
6. SOIL BOUNDARIES OBTAINED FROM THE NRCS WEB SOIL SURVEY.
7. ALL DIMENSIONS TO BE CONFIRMED ON-SITE PRIOR TO CONSTRUCTION. ALL DIMENSIONS ARE INDICATIVE ONLY AND IN FT. UNLESS OTHERWISE SPECIFIED.
8. THE PROJECT IS LOCATED WITHIN A TIER II CATCHMENT AREA WITHOUT ASSIMILATIVE CAPACITY.

LEGEND

NOTE: LEGEND IS TYPICAL, NOT ALL OBJECTS IN LEGEND APPEAR IN PLAN.

- EXISTING CONTOURS
- PROPERTY BOUNDARY
- ADJOINING PROPERTY LINE
- EXISTING RIGHT OF WAY
- WeB --- EXISTING SOIL BOUNDARY & DESCRIPTOR
- EXISTING SETBACK
- OE --- EXISTING OVERHEAD ELECTRIC
- EXISTING TRANSMISSION TOWER
- EXISTING STRUCTURE
- EXISTING GRAVEL ROAD
- EXISTING PAVED ROAD
- W --- EXISTING WELL
- EXISTING TREE
- EXISTING WALL
- PROPOSED CONTOURS
- PROPOSED UTILITY POLE
- OE --- PROPOSED OVERHEAD ELECTRIC
- UE --- PROPOSED UNDERGROUND ELECTRIC
- PROPOSED SINGLE-AXIS TRACKER SOLAR ARRAY
- PROPOSED DRIVE LINE
- PROPOSED GRAVEL ACCESS DRIVEWAY
- PROPOSED BITUMINOUS PAVING
- PROPOSED EQUIPMENT PAD
- PROPOSED FENCE
- PROPOSED LANDSCAPE BUFFER
- LS --- PROPOSED APPROXIMATE LEVEL SPREADER
- PROPOSED WATER TANK
- PROPOSED TREE LINE
- L00 --- PROPOSED LIMIT OF DISTURBANCE
- PROPOSED CARROLL HEILAND SOLAR, LLC SITE BOUNDARY
- PROPOSED CARROLL HEILAND SOLAR 2, LLC SITE BOUNDARY
- PANEL AREAS TO BE GRADED TO 15% MAXIMUM
- PROPOSED RIVER ROCK OUTLET PROTECTION
- PROPOSED CULVERT
- PROPOSED EMERGENCY SPILLWAY
- PROPOSED RIPRAP APRON OUTLET PROTECTION
- SSF --- PROPOSED SUPER SILT FENCE

STANDARD STABILIZATION NOTE
 FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION MUST BE COMPLETED WITHIN:
 a. THREE (3) CALENDAR DAYS TO THE SURFACE OF ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3:1, AND
 b. SEVEN (7) CALENDAR DAYS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE NOT UNDER ACTIVE GRADING.

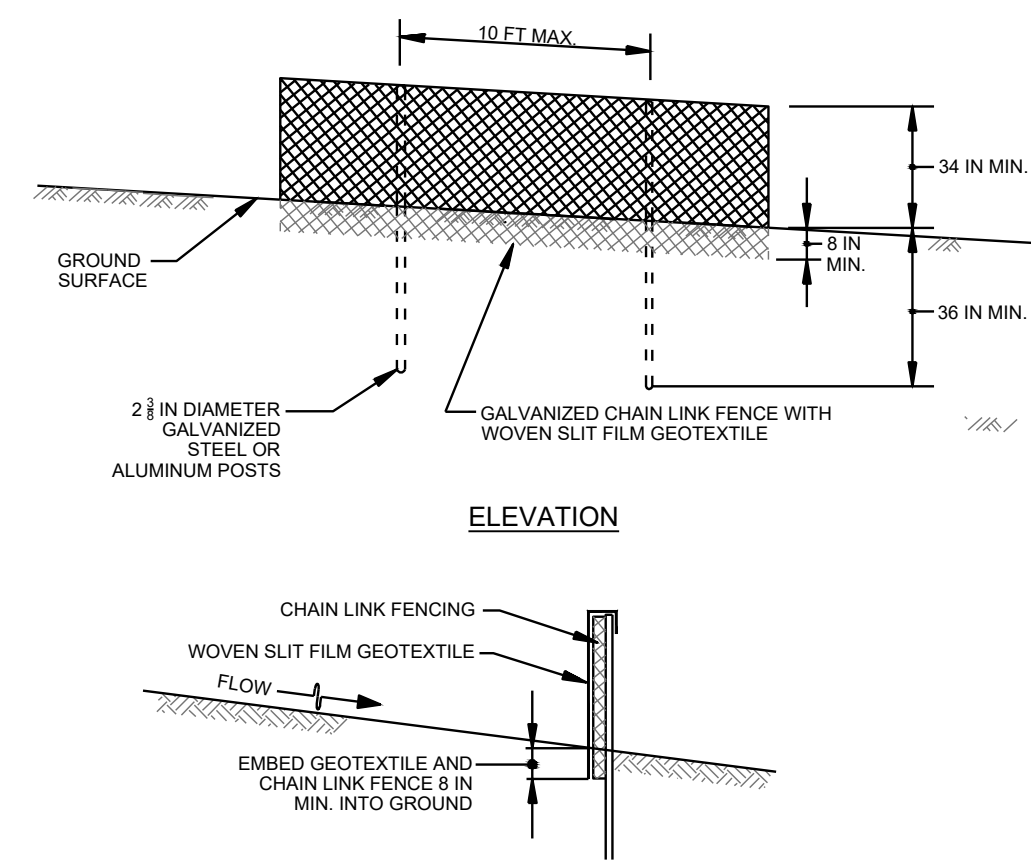
NOTE: TOP SOIL MAY BE GRADED AND STOCKPILED IF NEEDED, BUT NO TOP SOIL MAY LEAVE THE SITE



NO.	DATE	BY	REVISION

PROJECT NO.	ABC
DATE	06/17/2026
PROJECT NAME	BCC
SCALE	CLE
PROJECT NO.	25011118
SCALE	1" = 50'

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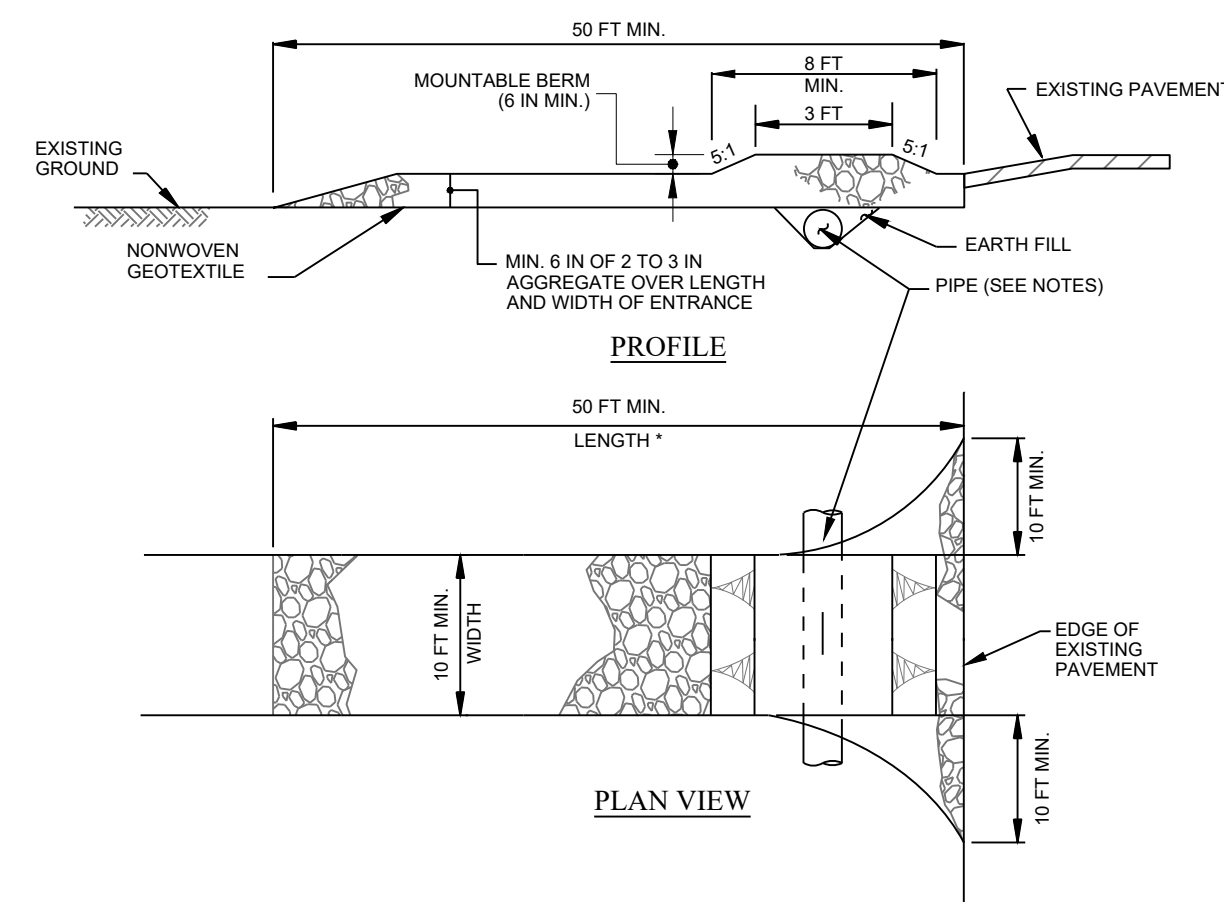


CONSTRUCTION SPECIFICATIONS:

1. INSTALL 2 3/8 INCH DIAMETER GALVANIZED STEEL POSTS OF 0.095 INCH WALL THICKNESS AND SIX FOOT LENGTH SPACED NO FURTHER THAN 10 FEET APART. DRIVE THE POSTS A MINIMUM OF 36 INCHES INTO THE GROUND.
2. FASTEN 9 GAUGE OR HEAVIER GALVANIZED CHAIN LINK FENCE (2 3/8 INCH MAXIMUM OPENING) 42 INCHES IN HEIGHT SECURELY TO THE FENCE POSTS WITH WIRE TIES OR HUG RINGS.
3. FASTEN WOVEN SLIT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS, SECURELY TO THE UPSLOPE SIDE OF CHAIN LINK FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP AND MID SECTION. EMBED GEOTEXTILE AND CHAIN LINK FENCE A MINIMUM OF 8 INCHES INTO THE GROUND.
4. WHERE ENDS OF THE GEOTEXTILE COME TOGETHER, THE ENDS SHALL BE OVERLAPPED BY 6 INCHES, FOLDED, AND STAPLED TO PREVENT SEDIMENT BY PASS.
5. EXTEND BOTH ENDS OF THE SUPER SLT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SUPER SLT FENCE.
6. PROVIDE MANUFACTURER CERTIFICATION TO THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H-1 MATERIALS.
7. REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN. IF UNDERMINING OCCURS, REINSTALL CHAIN LINK FENCING AND GEOTEXTILE.

1 DETAIL SUPER SILT FENCE
NOT TO SCALE

NOTE: CONTRACTOR MAY USE SMART FENCE 42 IN PLACE OF SUPER SILT FENCE IN ANY LOCATION SUPER SILT FENCE IS SHOWN ON PLANS.



NOTES:

1. STABILIZED CONSTRUCTION ENTRANCE DESIGN AS PER MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL (DETAIL B-1).
2. PLACE STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE APPROVED PLAN. VEHICLES MUST TRAVEL OVER THE ENTIRE LENGTH OF THE SCE. USE MINIMUM LENGTH OF 50 FEET (30 FEET FOR SINGLE RESIDENCE LOT). USE MINIMUM WIDTH OF 10 FEET. FLARE SCE 10 FEET MINIMUM AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.
3. PIPE ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD THE SCE UNDER THE ENTRANCE, MAINTAINING POSITIVE DRAINAGE. PROTECT PIPE INSTALLED THROUGH THE SCE WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND A MINIMUM OF 12 INCHES OF STONE OVER THE PIPE. PROVIDE PIPE AS SPECIFIED ON APPROVED PLAN. WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY, A PIPE IS NOT NECESSARY. A MOUNTABLE BERM IS REQUIRED WHEN SCE IS NOT LOCATED AT A HIGH SPOT.
4. PREPARE SUBGRADE AND PLACE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS.
5. PLACE CRUSHED AGGREGATE (2 TO 3 INCHES IN SIZE) OR EQUIVALENT RECYCLED CONCRETE (WITHOUT REBAR) AT LEAST 6 INCHES DEEP OVER THE LENGTH AND WIDTH OF THE SCE.
6. MAINTAIN ENTRANCE IN A CONDITION THAT MINIMIZES TRACKING OF SEDIMENT. ADD STONE OR MAKE OTHER REPAIRS AS CONDITIONS DEMAND TO MAINTAIN CLEAN SURFACE, MOUNTABLE BERM, AND SPECIFIED DIMENSIONS. IMMEDIATELY REMOVE STONE AND/OR SEDIMENT SPILLED, DROPPED, OR TRACKED ONTO ADJACENT ROADWAY BY VACUUMING, SCRAPING, AND/OR SWEEPING. WASHING ROADWAY TO REMOVE MUD TRACKED ONTO PAVEMENT IS NOT ACCEPTABLE UNLESS WASH WATER IS DIRECTED TO AN APPROVED SEDIMENT CONTROL PRACTICE.

2 DETAIL STABILIZED CONSTRUCTION ENTRANCE (TYP.)
NOT TO SCALE

SMARTFENCE® MD 42
MDE APPROVED PRODUCT

MARYLAND

SMARTFENCE 42"
INSTALLATION INSTRUCTIONS

SEDIMENT & PERIMETER CONTROL



ACF Environmental's SMARTfence 42 sediment control product is approved by the Maryland Department of the Environment.

Maryland Department of the Environment, Water and Science Administration grants provisional approval for SMARTfence 42 to be considered as a substitute for "Super Silt Fence" (SSF) in conditions where SSF would typically be specified.

"The main differences between the SMARTfence 42 product and the current specifications for SSF include elimination of the chain-link reinforcing component, deeper penetration of the supporting posts, and closer spacing of the support posts. The objective of this product is to provide the filtering capability and energy resistance provided by SSF but eliminate the need to produce, ship, and dispose of the chain link and post components of SSF."

Stewart R. Comstock, P.E., Chief Program Review Division Water and Science Administration

PRODUCT DRAWINGS CAN BE FOUND ON THE BACK OF THIS INFORMATION SHEET.



SMARTfence

42" SMARTfence Accepted alternative to Super Silt Fence



STEP 1: Excavate trench a maximum of 4" wide and 6" deep. The trench shall be hand-cleaned following excavation to remove bulky debris such as rocks, sticks, and soil clods from the trench. Drive studded metal T-posts with anchor plates having a minimum weight of 1.25 lb/ft and a 72" height. Drive post into ground with a minimum depth of 36". Post spacing must be no greater than 6 ft maximum.

STEP 2: Layout SMARTfence® 42 along proposed fence line next to anchor trench. Locate one end of the SMARTfence® 42 and position vertically along the initial post.

STEP 3: For the initial post, place the end of SMARTfence® 42 along the post height and rotate the post 360 degrees, maintaining tension on the fence system. Secure the fence to the post at all four (4) orange-colored band locations with steel wire or nylon ties.

STEP 4: For fastening SMARTfence® 42 to studded, metal T-posts using one of following methods:

- Method I (T-Post): 16-gage wire- attach SMARTfence® 42 to metal T-posts using the 16-gage 304 SS wire with mitered ends, securing the fence to the post using safety pliers.

- Method II (T-Post): 8" nylon heavy-duty, UV-stabilized, cable ties (zip-ties) with minimum 120-lb tensile strength. Puncture two 0.25" openings, spaced at a width apart that is roughly equivalent to the post width, and secure the fence to the post.

STEP 5: Drive the initial post with the attached fence into the ground to a 36" depth.

SMARTfence® 42 is NTPPEP Compliant GTX-2018-01-187

STEP 6: Drive the interior t-posts of the fence system into the ground at least 36".

STEP 7: Move to the next t-post while pulling SMARTfence® 42 tightly. Position the SMARTfence® 42 in front of the adjacent t-post in preparation for fastening the fence to the post. Fasten fence to post at all four (4) orange-colored band locations as instructed in Step 4.

STEP 8: After the interior posts have been fastened to the SMARTfence® 42, secure the fence to the final post by pulling the final section of fencing taut, then rotating the post 360 degrees, maintaining tension on the fence system. Secure the fence to the post at all four (4) orange-colored band locations with the steel wire or nylon ties per Step 4. Drive the final post into the ground to a 36" depth.

STEP 9: Place bottom 8" of fabric into the trench. Backfill trench (overfill) with soil placed around fabric. Compact soil backfill with either manual tamping (or other manual means) or via mechanical equipment such as the front wheel of a tractor, skid steer, roller, or other device (per Note 5 of ASTM D 6462 Standard Practice for Silt Fence Installation). Do not damage the fabric during compaction (damaged fabric shall be replaced).

Please contact our team at 800-448-3636 or info@acfenv.com with any questions regarding the installation process.

LET'S GET IT DONE!™

SMARTfence

For more information, contact Inside Sales at 800.448.3636 or by email at info@acfenv.com

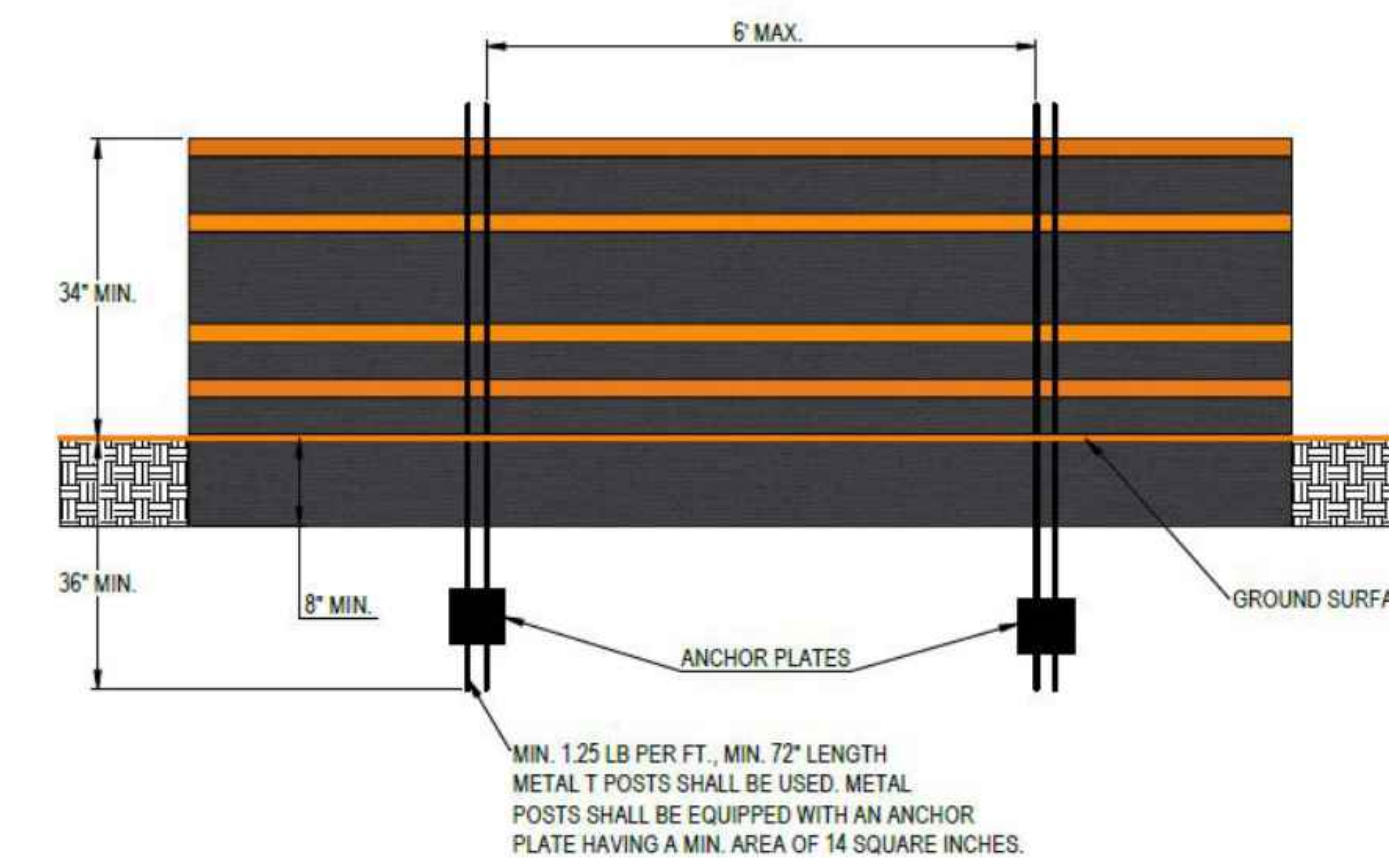


For more information, contact our Inside Sales team at 800.448.3636 email at info@acfenv.com



LET'S GET IT DONE

SMARTFENCE® MD 42

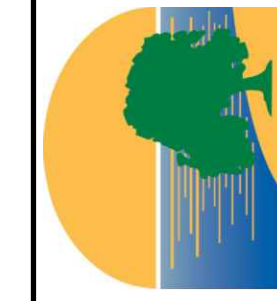


MIN. 1.25 LB PER FT., MIN. 72" LENGTH METAL T POSTS SHALL BE USED. METAL POSTS SHALL BE EQUIPPED WITH AN ANCHOR PLATE HAVING A MIN. AREA OF 14 SQUARE INCHES.

SMARTfence® 42 is NTPPEP Compliant GTX-2018-01-187



ARM Group LLC
Engineers and Scientists
www.armgroup.net



Drawn by	
Checked by	
Approved by	
Project No.	25011118
Sheet No.	0700-SCD

AS NOTED	
Date	06/17/2026
Project No.	25011118
Sheet No.	0700-SCD

EROSION & SEDIMENT CONTROL DETAILS
2842 LAWDALE RD, FINKSBURG, MD 21048
CARROLL HEILAND SOLAR 2, LLC
CARROLL HEILAND SOLAR 2, LLC
FINKSBURG
CARROLL COUNTY, MARYLAND

Sheet 0700-SCD

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CONSTRUCTION & PHASING NOTES

- 1. THE PROJECT SCHEDULE INCLUDES THE FOLLOWING APPROXIMATE IMPLEMENTATION DATES:
2025: FINAL DESIGN, PERMITTING, OBTAINING ALL NECESSARY APPROVALS, UTILITY COORDINATION, AND PROCUREMENT OF EQUIPMENT (FOLLOWING CPCH APPROVAL).
Q1 2026: CONSTRUCTION OF THE SOLAR ARRAY.
Q2 2027: COMMERCIAL OPERATION OF THE SOLAR ARRAY.
2. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED.
3. THE OWNER/CONTRACTOR SHALL BE FAMILIAR WITH AND RESPONSIBLE FOR ANY/ALL CERTIFICATIONS, INSPECTIONS, ETC. REQUIRED BY ALL GOVERNING JURISDICTIONAL AGENCIES DURING AND AFTER CONSTRUCTION FOR SIGN-OFF AND CERTIFICATE OF OCCUPANCY ISSUANCE.
4. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL COUNTY REGULATIONS AND CODES AND OSHA STANDARDS.
5. ALL DIMENSIONS SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
6. CONTRACTOR IS TO EXERCISE EXTREME CARE WHEN PERFORMING ANY WORK ADJACENT TO PAVEMENT, STRUCTURES, ETC.
7. CONTRACTOR IS RESPONSIBLE FOR REPAIRING THE DAMAGE DONE TO ANY EXISTING ITEM DURING CONSTRUCTION SUCH AS, BUT NOT LIMITED, TO DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURB, ETC.
8. ALL UTILITIES AND SERVICES INCLUDING BUT NOT LIMITED TO GAS, WATER, ELECTRIC, SANITARY AND STORM SEWER, TELEPHONE, CABLE, FIBER OPTIC CABLE, ETC.
9. DEFINE AND LOCATE VERTICALLY AND HORIZONTALLY ALL ACTIVE UTILITY AND/OR SERVICE SYSTEMS THAT ARE TO BE REMOVED.
10. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION.
11. ALL NEW UTILITIES/SERVICES, INCLUDING ELECTRIC, ETC., ARE TO BE INSTALLED UNDERGROUND UNLESS OTHERWISE NOTED ON THE PLANS.
12. THE CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST OSHA STANDARDS AND REGULATIONS.
13. EARTH DISTURBANCE SHALL BE MINIMIZED TO THE EXTENT PRACTICABLE.
14. THIS PLAN IS FOR APPROVAL PURPOSES ONLY.
15. EXISTING TOPSOIL MAY BE STOCKPILED, AS REQUIRED, IN THE DESIGNATED AREA ONSITE AND WILL NOT BE REMOVED FROM THE SITE.

STANDARD E&S PLAN NOTES

- 1. ALL EROSION/SEDIMENT CONTROL MEASURES SHALL COMPLY WITH THE "MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL".
2. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE OF CONSTRUCTION AND IN ACCORDANCE WITH THE APPROVED E&S CONTROL AND LANDSCAPE PLAN DRAWINGS.
3. AREAS THAT HAVE BEEN CLEARED AND/OR GRADED, BUT WILL NOT BE CONSTRUCTED ON OR PERMANENTLY VEGETATED FOR MORE THAN 7 DAYS (3 DAYS FOR SEDIMENT CONTROL MEASURES AND FOR STEEP SLOPES) MUST BE STABILIZED WITH MULCH OR TEMPORARY STABILIZATION.
4. AT LEAST THREE (3) DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, MISS UTILITY OF MARYLAND SHALL BE NOTIFIED FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
5. ALL EARTHMOVING ACTIVITIES MUST INCORPORATE MEASURES TO MINIMIZE ACCELERATED EROSION.
6. EXISTING TOPSOIL MAY BE STOCKPILED, AS REQUIRED, IN THE DESIGNATED AREA ONSITE AND WILL NOT BE REMOVED FROM THE SITE.
7. AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN MAPS.
8. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT ADDITIONAL (AS NEEDED) AND APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY THE COUNTY AND/OR MDE.
9. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPs SHALL BE MAINTAINED PROPERLY.
10. A LOG SHOWING DATES THAT E&S BMPs WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO REGULATORY AGENCY OFFICIALS AT THE TIME OF INSPECTION.
11. SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY AND DISPOSED IN THE MANNER DESCRIBED IN THIS PLAN.
12. ALL SEDIMENT REMOVED FROM BMPs SHALL BE USED FOR ONSITE EARTHWORK ACTIVITIES, OR TRANSPORTED OFFSITE TO AN APPROVED LOCATION WITH AN ACTIVE EROSION AND SEDIMENT CONTROL PLAN.
13. DURING CONSTRUCTION, DUST MAY BE PRODUCED FROM NON-POINT SOURCES SUCH AS EARTHWORK AND CONSTRUCTION TRAFFIC ON UNPAVED ROADS.
14. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUBAREA OF THE PROJECT, THE OPERATOR SHALL STABILIZE ALL DISTURBED AREAS.
15. E&S BMPs SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED AND THE DEVELOPER SHALL NOTIFY THE COUNTY AND/OR MDE FOR INSPECTION PRIOR TO THE REMOVAL OF TEMPORARY EROSION CONTROL MEASURES.
16. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMPs MUST BE REMOVED.
17. FAILURE TO CORRECTLY INSTALL E&S BMPs, FAILURE TO PREVENT SEDIMENT/LADEN RUNOFF FROM LEAVING THE SITE, OR FAILURE TO TAKE IMMEDIATE CORRECTIVE ACTION TO RESOLVE FAILURE OF E&S BMPs MAY RESULT IN ADMINISTRATIVE, CIVIL, AND/OR CRIMINAL PENALTIES BEING INSTITUTED BY MDE.
18. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE ENGINEER AND COUNTY TO SCHEDULE A FINAL INSPECTION.

Table with 6 columns: NO., SPECIES, APPLICATION RATE (LB/AC), SEEDING DATES, SEEDING DEPTHS (IN.), FERTILIZER RATE (10-20-20), LIME RATE. Rows include OATS (AVENA SATIVA), FOXTAIL MILLET (SETARIA ITALICA), and CEREAL RYE (SECALE CEREALE).

SEQUENCE OF CONSTRUCTION

- 1. CONTACT CARROLL (COUNTY) AND MARYLAND DEPARTMENT OF THE ENVIRONMENT (MDE) AT LEAST TWO (2) WEEKS PRIOR TO THE START OF CONSTRUCTION TO SCHEDULE A PRE-CONSTRUCTION MEETING.
2. IDENTIFY AND DELINEATE THE LIMITS OF DISTURBANCE (LOD) AND/OR LEASE AREA, ALONG WITH THE LOCATIONS OF THE E&S CONTROLS AND OTHER PERTINENT CONSTRUCTION FEATURES PRIOR TO SITE CONSTRUCTION.
3. INSTALL THE SILT FENCE AND IN ALL LOCATIONS ON THE E&S CONTROL PLANS.
4. CONTACT THE COUNTY AND/OR MDE TO INSPECT INSTALLATION OF ALL PERIMETER CONTROLS.
5. CONSTRUCT SEDIMENT TRAP BASIN AS SHOWN ON THE DRAWINGS.
6. CONSTRUCT MICRO-BIORETENTION 1 & SUBMERGED GRAVEL WETLAND 2 AS SHOWN ON THE DRAWINGS.
7. INSTALL THE PROPOSED STABILIZED ROCK CONSTRUCTION ENTRANCES AS SHOWN ON THE DRAWINGS.
8. DEMARCATATE THE LAYDOWN AREA.
9. IF DEWATERING IS REQUIRED AT ANY TIME DURING CONSTRUCTION (E.G., FOR TRENCH EXCAVATION OR GENERAL SITE EXCAVATION), THE CONTRACTOR SHALL:
9.1. USE A PROPERLY SIZED FILTER BAG OR OTHER APPROPRIATE BEST MANAGEMENT PRACTICE (BMP) TO PREVENT SEDIMENT FROM LEAVING THE SITE.
9.2. DIRECT DISCHARGE TO A STABLE, NON-EROSIVE, WELL-VEGETATED AREA WITHIN THE LOD.
9.3. ENSURE THE DISCHARGE VOLUME AND FLOW RATE REMAIN BELOW MDE'S THRESHOLD FOR A DEWATERING PERMIT.
10. PERFORM MINIMAL SITE GRADING FOR THE CONSTRUCTION OF THE ACCESS DRIVE AND EQUIPMENT PAD.
11. INSTALL SUBBASE MATERIAL FOR THE ACCESS DRIVE AND EQUIPMENT PAD IN ACCORDANCE WITH THE SPECIFICATION PROVIDED ON THE PLANS.
12. PLACE FINISHED STONE AND COMPACT ACCESS DRIVE TO REDUCE THE POTENTIAL FOR WASHOUT DURING RAIN EVENTS.
13. INSTALL EQUIPMENT PAD IN PREPARATION FOR ELECTRICAL EQUIPMENT INSTALLATION.
14. INSTALL PERMANENT SECURITY PERIMETER FENCING.
15. INSTALL SOLAR ARRAY RACKING SYSTEM.
16. INSTALL SOLAR PANEL MODULES, INVERTERS, ELECTRICAL STRINGS, TRANSFORMER, AND THE REMAINDER OF THE ELECTRICAL SYSTEMS ASSOCIATED WITH THE PHOTOVOLTAIC ARRAY.
17. INSTALLATION OF THE PROPOSED SECURITY FENCING, RACKING MODULES, AND ALL NON-PERMANENT EQUIPMENT ASSOCIATED WITH THE PV ARRAY SHALL BE COMPLETED USING TRACKED EQUIPMENT AND DURING DRY WEATHER EVENTS TO ENSURE NO ADDITIONAL SOIL DISTURBANCES OCCUR OUTSIDE OF THE DEMARCATED LOD.
18. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT INSTALLATION ONLY OCCURS WHEN SITE SOILS ARE DRY TO REDUCE THE LIKELIHOOD OF RUTTING OR DISTURBANCE OF SOIL SUBSTRATE TO THE GREATEST EXTENT POSSIBLE.
19. ALL EROSION AND SEDIMENT CONTROL BMPs SHALL BE LEFT IN PLACE UNTIL A UNIFORM STABILIZED VEGETATIVE COVER IS ACHIEVED.
20. COMPLETE SITE STABILIZATION IN ACCORDANCE WITH THE SPECIFICATIONS PROVIDED ON THIS SHEET.
21. CONSTRUCT SUBMERGED GRAVEL WETLAND 1 AS PROPOSED ON THE DRAWINGS AFTER UPLAND SITE STABILIZATION HAS BEEN ACHIEVED.
22. RECLAIM LAYDOWN AREAS AND IMMEDIATELY HAVE TOPSOIL RESTORED, REPLACED, OR AMENDED, SEEDED, MULCHED, OR OTHERWISE PERMANENTLY STABILIZED AND PROTECTED FROM ACCELERATED EROSION AND SEDIMENTATION.
23. UPON ESTABLISHMENT OF UNIFORM PERENNIAL VEGETATIVE COVER OVER DISTURBED AREAS AND WITHIN THE SOLAR ARRAY FENCE, THE DEVELOPER SHALL NOTIFY THE COUNTY AND/OR MDE FOR INSPECTION PRIOR TO THE REMOVAL OF TEMPORARY EROSION CONTROL MEASURES.
24. THE SEQUENCE OF CONSTRUCTION LISTED ABOVE IS FOR USE BY THE CONTRACTOR AS A GENERAL GUIDELINE FOR CONSTRUCTION ACTIVITIES AND MAY BE ADJUSTED, AS NEEDED, UPON APPROVAL IN WRITING BY THE ENGINEER AND COUNTY.
25. CONTRACTOR STORAGE, PARKING, AND STAGING WILL BE CONFINED WITHIN THE DEMARCATED LOD AND IN THE AREAS DESIGNATED ON THE PLANS AS STAGING AREA, NO STORAGE, PARKING, OR STAGING SHALL OCCUR OUTSIDE THE STAGING AREA.

MAINTENANCE PROGRAM

THE OWNER WILL RETAIN RESPONSIBILITY FOR INSPECTION, MAINTENANCE, AND UPKEEP OF THE PERMANENT STORMWATER BMPs DESCRIBED WITHIN THIS PLAN UNTIL SUCH TIME AS THE PROPERTY IS SOLD OR RESPONSIBILITY IS LEGALLY ASSUMED BY ANOTHER PARTY. BMPs WILL BE MAINTAINED ACCORDING TO THE APPLICABLE MDE REQUIREMENTS. IN GENERAL, MAINTENANCE WILL INCLUDE INSPECTIONS ON A QUARTERLY BASIS AND PERIODIC REPAIRS AND RE-VEGETATION AS NECESSARY.

- 1. ALL TEMPORARY E&S CONTROL MEASURES WILL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT.
1.1. SILT FENCE: REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN SILT FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT.
1.2. STABILIZED ROCK CONSTRUCTION ENTRANCE: CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK.
2. ALL PERMANENT E&S CONTROL MEASURES SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT UNTIL THE SITE IS RECLAIMED IN ITS ENTIRETY.
2.1. PERMANENT SEEDING: SEEDING WILL BE APPLIED IN THE LOCATIONS AND RATES SPECIFIED ON THE DRAWINGS.
2.2. UPLAND NATIVE RE-VEGETATION: UPLAND NATIVE MAINTENANCE SCHEDULE AS RECOMMENDED BY SUPPLIER.
2.2.1. FIRST YEAR MAINTENANCE: OBSERVATION OF THE GROWTH OF DESIRED SPECIES AND WEED COMPETITION IS ESSENTIAL TO MAKING MAINTENANCE DECISIONS.
2.2.2. SECOND YEAR MAINTENANCE: MOW ONCE, AS CLOSE TO THE GROUND AS POSSIBLE, IN EARLY SPRING.
2.3. ACCESS ROAD: INSPECT GRAVEL AND/OR GRASS ACCESS ROAD FOR POTHoles AND RUTTING, FILL, REGRADE, AND ADD ADDITIONAL GRAVEL AND/OR TOPSOIL AS NECESSARY.
2.4. DISCONNECTION AREAS:
2.4.1. SITE DISTURBANCE: CONSTRUCTION VEHICLES AND EQUIPMENT SHOULD AVOID AREAS RECEIVING DISCONNECTED RUNOFF.
2.4.2. PERPETUAL MAINTENANCE: MAINTENANCE OF AREAS RECEIVING DISCONNECTED RUNOFF IS GENERALLY NO DIFFERENT THAN THAT REQUIRED FOR OTHER LAWN OR LANDSCAPED AREAS.
2.4.3. INSPECTIONS:
2.4.3.1. MONTHLY: INSPECT FOR TRASH OR DEBRIS ON THE SURFACE, IN CONVEYANCE SYSTEM, AND SURROUNDING AREA.
2.4.3.2. SEASONALLY AND AFTER RAIN EVENTS: CHECK FOR PONDING WATER AND EROSION AND REPAIR AS NECESSARY.
2.4.3.3. ANNUALLY: INSPECT FOR EROSION AND REPAIR AND RESEED ALL BARE SPOTS AS NECESSARY.
2.5. MICRO-BIORETENTIONS & SUBMERGED GRAVEL WETLANDS: INSPECT AND CORRECT EROSION PROBLEMS AND SEDIMENT AND DEBRIS ACCUMULATION.
2.6. RECOMMENDED REMEDIAL MEASURES: RESEED ANY AREAS WHERE THE VEGETATION HAS CEASED GROWING WITH THE APPROPRIATE SEED MIXTURE.
3. MAINTENANCE FOR BOTH THE TEMPORARY AND PERMANENT BMPs WILL INCLUDE PROPER REMOVAL AND DISPOSAL OF MATERIALS IN THE PROJECT AREA.

TEMPORARY CONTROLS

- 1. UPON TEMPORARY CESSATION OF AN EARTH DISTURBANCE ACTIVITY OF ANY STAGE OR PHASE OF AN ACTIVITY, THE SITE SHALL BE IMMEDIATELY SEEDED, MULCHED, OR OTHERWISE PROTECTED FROM ACCELERATED EROSION AND SEDIMENTATION PENDING FUTURE EARTH DISTURBANCE ACTIVITIES.
2. FOR AN EARTH DISTURBANCE ACTIVITY OR ANY STAGE OR PHASE OF AN ACTIVITY TO BE CONSIDERED TEMPORARILY STABILIZED, THE DISTURBED AREAS SHALL BE COVERED WITH ONE OF THE FOLLOWING:
2.1. A MINIMUM UNIFORM COVERAGE OF MULCH AND SEED, WITH A DENSITY CAPABLE OF RESISTING ACCELERATED EROSION AND SEDIMENTATION.
2.2. AN ACCEPTABLE BMP WHICH TEMPORARILY MINIMIZES ACCELERATED EROSION AND SEDIMENTATION.
3. BEFORE SEEDING, APPLY SOIL AMENDMENTS AND/OR FERTILIZER WITH TOPSOIL AS REQUIRED.
4. THOROUGHLY LOOSEN THE AREAS TO BE SEED BY AN APPROVED METHOD UNTIL THE TILLAGE IS ACCEPTED.
5. ALL SEEDS SHALL BE FURNISHED TO THE PROJECT SITE IN MIX PREPARED BY THE SEED PROCESSOR.
6. THE PREPARED AREAS SHALL THEN BE SEED WITH THE SPECIFIED SEED BY MEANS OF A MECHANICAL HOPPER TYPE SEEDER AT THE RATE OF SHOWN IN THE TABLE.
7. THE SEED SHALL BE SOWN EVENLY IN TWO DIRECTIONS, WITH ONE-HALF (1/2) OF THE SEED BEING SOWN IN A DIRECTION AT RIGHT ANGLES TO THE OTHER HALF.
8. AFTER SOWING THE SEED, THE AREA SHALL BE LIGHTLY RAKED TO COVER SEED TO AN AVERAGE DEPTH AS SHOWN IN THE TEMPORARY SEEDING SUMMARY TABLE AND ROLLED WITH A 200-POUND ROLLER.
9. MEASURES PRESENTED HEREIN SHALL BE SUPPLEMENTED OR MODIFIED BY CONTRACTOR DURING THE WORK BASED ON ACTUAL SEQUENCE, TIMING, AND METHODS OF CONSTRUCTION AS NECESSARY TO COMPLY WITH MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL REQUIREMENTS.
10. MULCH SHALL BE PLACED OVER DISTURBED AREAS IMMEDIATELY AFTER RAKING AND SEEDING OR PLANTING HAS BEEN PERFORMED.
10.1. CLEAN OAT OR WHEAT STRAW SHALL BE FREE FROM MATURE SEED-BEARING STALKS OR ROOTS OF PROHIBITED OR NOXIOUS WEEDS AS DEFINED BY MDE.
10.2. FLEXITERRA HIGH PERFORMANCE - FLEXIBLE GROWTH MEDIUM (HP-FGM) MAY BE USED.

PERMANENT CONTROLS

- 1. NATIVE POLLINATOR SEED MIXES ARE INTENDED TO PROVIDE AN EXCELLENT WILDLIFE FOOD AND SHELTER THAT WILL ATTRACT A VARIETY OF POLLINATORS AND SONGBIRDS.
2. UPON FINAL COMPLETION OF AN EARTH DISTURBANCE ACTIVITY OR ANY STAGE OR PHASE OF AN ACTIVITY, THE SITE SHALL IMMEDIATELY HAVE TOPSOIL RESTORED, REPLACED, OR AMENDED, SEEDED, MULCHED, OR OTHERWISE PERMANENTLY STABILIZED AND PROTECTED FROM ACCELERATED EROSION AND SEDIMENTATION.
3. E&S BMPs SHALL BE IMPLEMENTED AND MAINTAINED UNTIL THE PERMANENT STABILIZATION IS COMPLETED.
4. FOR AN EARTH DISTURBANCE ACTIVITY OR ANY STAGE OR PHASE OF AN ACTIVITY TO BE CONSIDERED PERMANENTLY STABILIZED, THE DISTURBANCE AREAS SHALL BE COVERED WITH ONE OF THE FOLLOWING:
4.1. A MINIMUM UNIFORM 95% PERENNIAL VEGETATIVE COVER, WITH A DENSITY CAPABLE OF RESISTING ACCELERATED EROSION AND SEDIMENTATION.
4.2. AN ACCEPTABLE BMP WHICH PERMANENTLY MINIMIZES ACCELERATED EROSION AND SEDIMENTATION.
5. PERMANENT SEEDING AND MULCHING WILL BE INCORPORATED INTO THE OPERATIONS DURING THE APPROVED PLANTING SEASONS.
6. ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE STABILIZED BY APPLYING A SEED MIXTURE TO ESTABLISH AN EROSION-RESISTANT STAND OF VEGETATION IN THE LEAST AMOUNT OF TIME.
6.1. ALL SEEDS SHALL BE FURNISHED TO THE PROJECT SITE IN MIX PREPARED BY THE SEED PROCESSOR.
6.1.1. NATIVE UPLAND VEGETATION: SEE SOLAR ARRAY SEED MIXTURE ON THE PERMANENT SEEDING SUMMARY TABLE.
6.2. BEFORE SEEDING, APPLY SOIL AMENDMENTS AND/OR FERTILIZER WITH TOPSOIL AS REQUIRED.
6.3. THE PREPARED AREAS SHALL THEN BE SEED WITH THE SPECIFIED SEED BY MEANS OF A MECHANICAL HOPPER TYPE SEEDER AT THE RATE AS SPECIFIED IN THE PERMANENT SEEDING SUMMARY TABLE.
6.4. THE SEED SHALL BE SOWN EVENLY IN TWO DIRECTIONS, WITH 1/2 OF THE SEED BEING SOWN IN A DIRECTION AT RIGHT ANGLES TO THE OTHER HALF.
6.5. AFTER SOWING THE SEED, THE AREA SHALL BE LIGHTLY RAKED TO COVER SEED TO AN AVERAGE DEPTH AS SHOWN IN THE PERMANENT SEEDING SUMMARY TABLE AND ROLLED WITH A 200-POUND ROLLER.
7. MEASURES PRESENTED HEREIN SHALL BE SUPPLEMENTED OR MODIFIED BY CONTRACTOR DURING THE WORK BASED ON ACTUAL SEQUENCE, TIMING, AND METHODS OF CONSTRUCTION AS NECESSARY TO COMPLY WITH MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL REQUIREMENTS.
8. MULCH SHALL BE PLACED OVER DISTURBED AREAS IMMEDIATELY AFTER RAKING AND SEEDING OR PLANTING HAS BEEN PERFORMED.
8.1. CLEAN OAT OR WHEAT STRAW SHALL BE FREE FROM MATURE SEED-BEARING STALKS OR ROOTS OF PROHIBITED OR NOXIOUS WEEDS AS DEFINED BY MDE.
8.2. FLEXITERRA HIGH PERFORMANCE - FLEXIBLE GROWTH MEDIUM (HP-FGM) MAY BE USED.

PERMANENT SEEDING SUMMARY table with columns: NO., SPECIES, APPLICATION RATE (LB/AC), SEEDING DATES, SEEDING DEPTHS (IN.), FERTILIZER RATE (10-20-20) (N, P205, K2O), LIME RATE. Rows include Little Bluestem, Sideoats Grama, Virginia Wildrye, Purple Lovegrass, Partridge Pea, Blackeyed Susan, Tall White Beardtongue, New England Aster, Narrowleaf Mountainmint, and Wild Bergamot.

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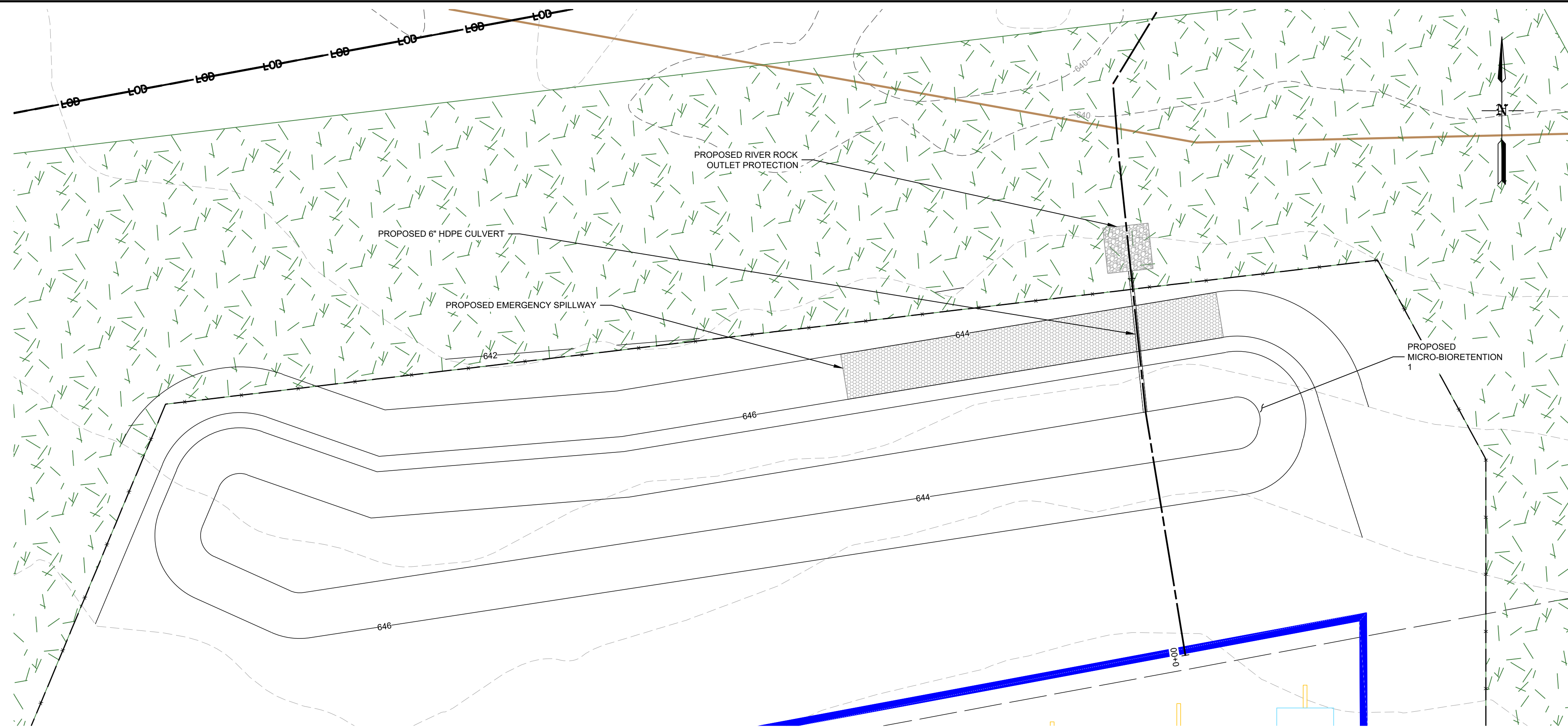


Table with columns: Date, By, Scale, Revision. Includes a revision table with 4 rows.

Table with columns: AS NOTED, Date, 25011118, ABC, BCC, CLE. Includes a table with columns: Date, 06/17/2026, 25011118.

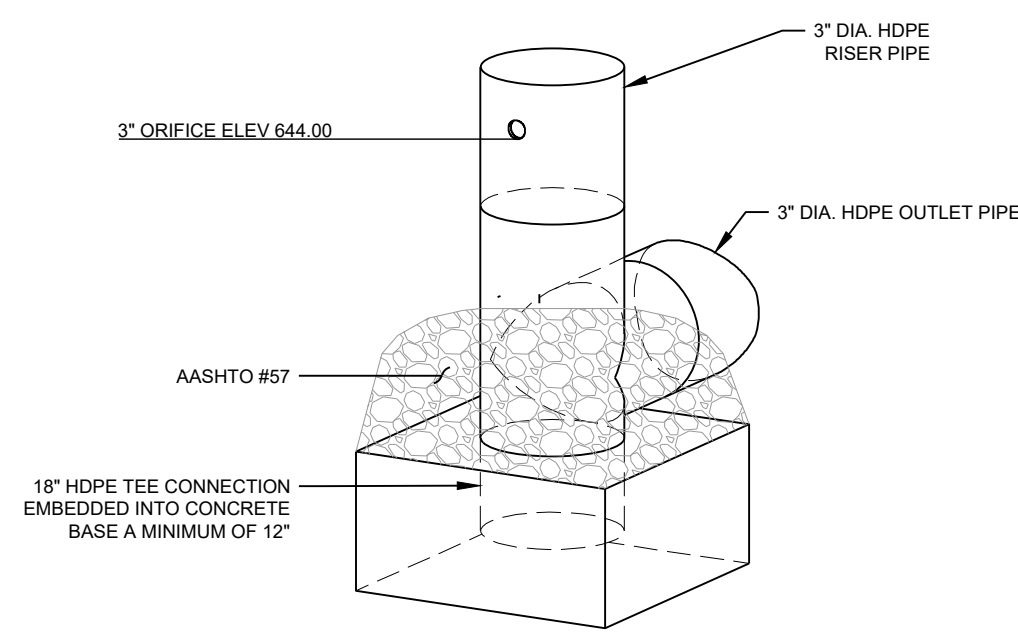
EROSION & SEDIMENT CONTROL NOTES
2842 LAWDALE RD, FINKSBURG, MD 21048
FINKSBURG
CARROLL COUNTY, MARYLAND

Sheet
0701-SCD



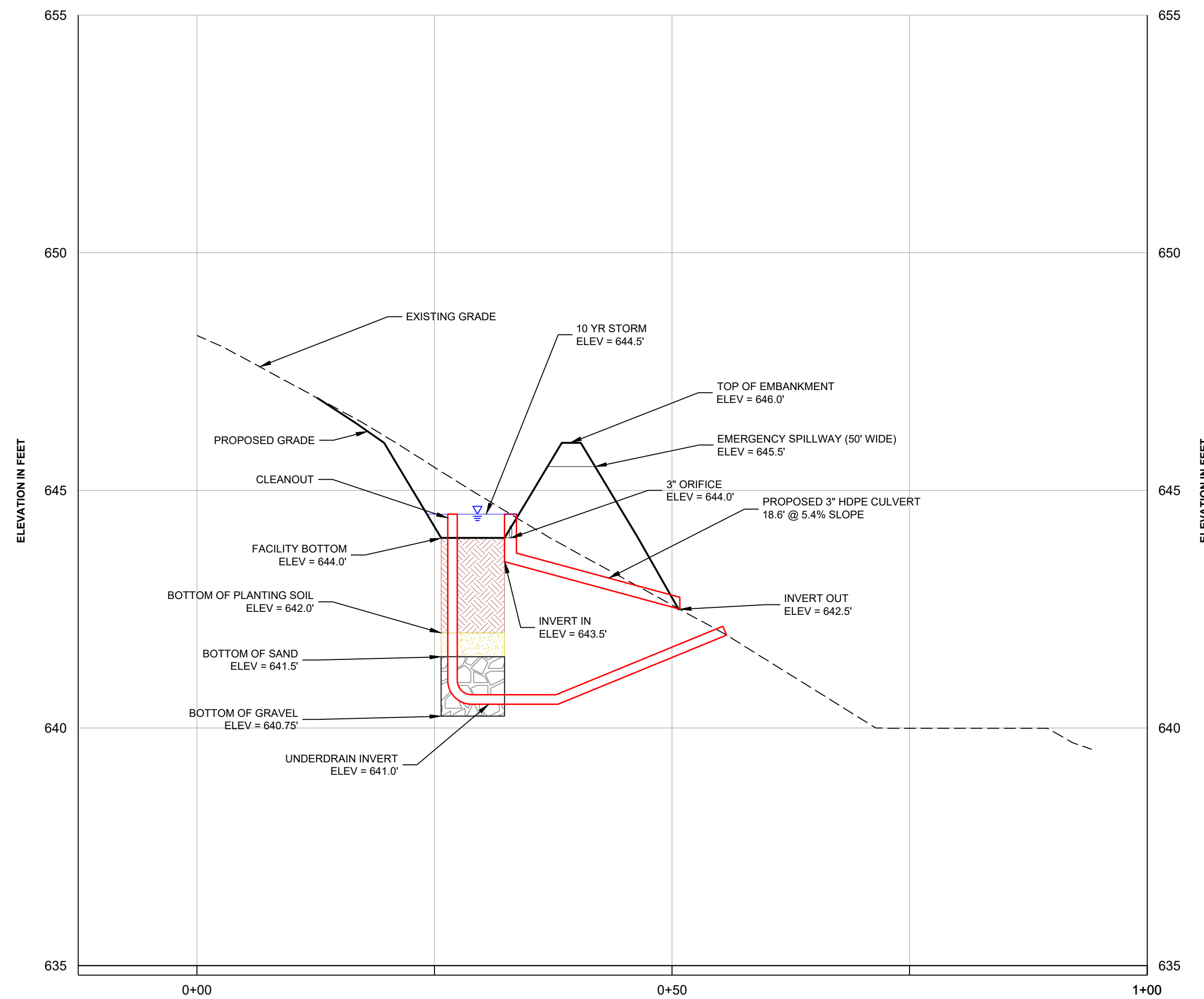
MICRO-BIORETENTION 1 - PLAN VIEW

SCALE: 1" = 10'



NOTE:
1. RISER STRUCTURE SHOWN WITHOUT TRASH RACK FOR CLARITY.

1 DETAIL
MICRO-BIORETENTION 1 RISER PIPE
NOT TO SCALE



MICRO-BIORETENTION 1 - CROSS SECTION



HORIZONTAL SCALE: 1" = 10'
VERTICAL SCALE: 1" = 2'



NOTES:

- THE BASE MAP HAS BEEN CREATED USING AERIAL IMAGERY, AVAILABLE COUNTY GIS DATA, AND SURVEYED DATA.
- AN ALTA SURVEY WAS COMPLETED BY ARM GROUP LLC ON SEPTEMBER 03, 2025.
- AN AQUATIC RESOURCE INVESTIGATION WAS COMPLETED BY ARM GROUP LLC ON JULY 22, 2025.
- PHASE 1 ENVIRONMENTAL SITE ASSESSMENT (ESA) WAS COMPLETED BY ARM GROUP LLC ON AUGUST 22, 2025.
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- THE PROJECT IS LOCATED WITHIN A TIER II CATCHMENT AREA WITHOUT ASSIMILATIVE CAPACITY.

LEGEND

NOTE: LEGEND IS TYPICAL, NOT ALL OBJECTS IN LEGEND APPEAR IN PLAN.

- EXISTING CONTOURS
- PROPERTY BOUNDARY
- ADJOINING PROPERTY LINE
- EXISTING RIGHT OF WAY
- EXISTING SOIL BOUNDARY & DESCRIPTOR
- EXISTING SETBACK
- EXISTING OVERHEAD ELECTRIC
- EXISTING TRANSMISSION TOWER
- EXISTING STRUCTURE
- EXISTING GRAVEL ROAD
- EXISTING PAVED ROAD
- 10-15% SLOPES
- >15% SLOPES
- EXISTING WELL
- EXISTING TREE
- EXISTING WALL
- PROPOSED CONTOURS
- PROPOSED OVERHEAD ELECTRIC
- PROPOSED UNDERGROUND ELECTRIC
- PROPOSED SINGLE-AXIS TRACKER SOLAR ARRAY
- PROPOSED DRIVE LINE
- PROPOSED GRAVEL ACCESS DRIVEWAY
- PROPOSED BITUMINOUS PAVING
- PROPOSED EQUIPMENT PAD
- PROPOSED FENCE
- PROPOSED LANDSCAPE BUFFER
- PROPOSED APPROXIMATE LEVEL SPREADER
- PROPOSED WATER TANK
- PROPOSED TREE LINE
- PROPOSED LIMIT OF DISTURBANCE
- PROPOSED CARROLL HEILAND SOLAR, LLC SITE BOUNDARY
- PROPOSED CARROLL HEILAND SOLAR 2, LLC SITE BOUNDARY
- PANEL AREAS TO BE GRADED TO 15% MAXIMUM



NO.	DATE	BY	REVISION

Author	ABC	1" = 10'
Checked	BCC	06/17/2026
Drawn	CLE	25011118
Project No.		
Scale		

MICRO-BIORETENTION 1 CROSS SECTION
2842 LAWDALE RD, FINKSBURG, MD 21048
CARROLL HEILAND SOLAR, LLC
CARROLL HEILAND SOLAR 2, LLC
FINKSBURG
CARROLL COUNTY, MARYLAND

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NOTES:

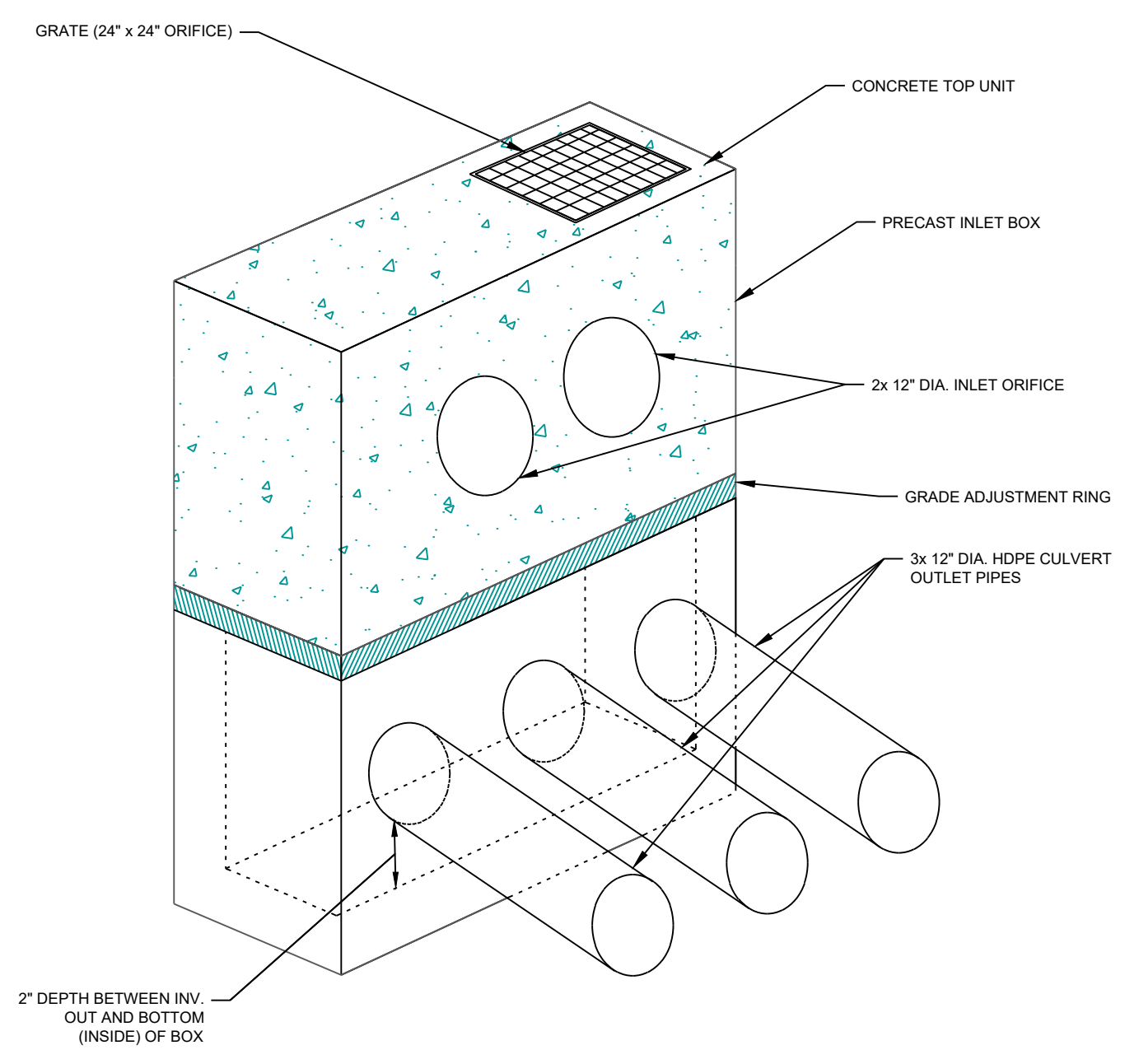
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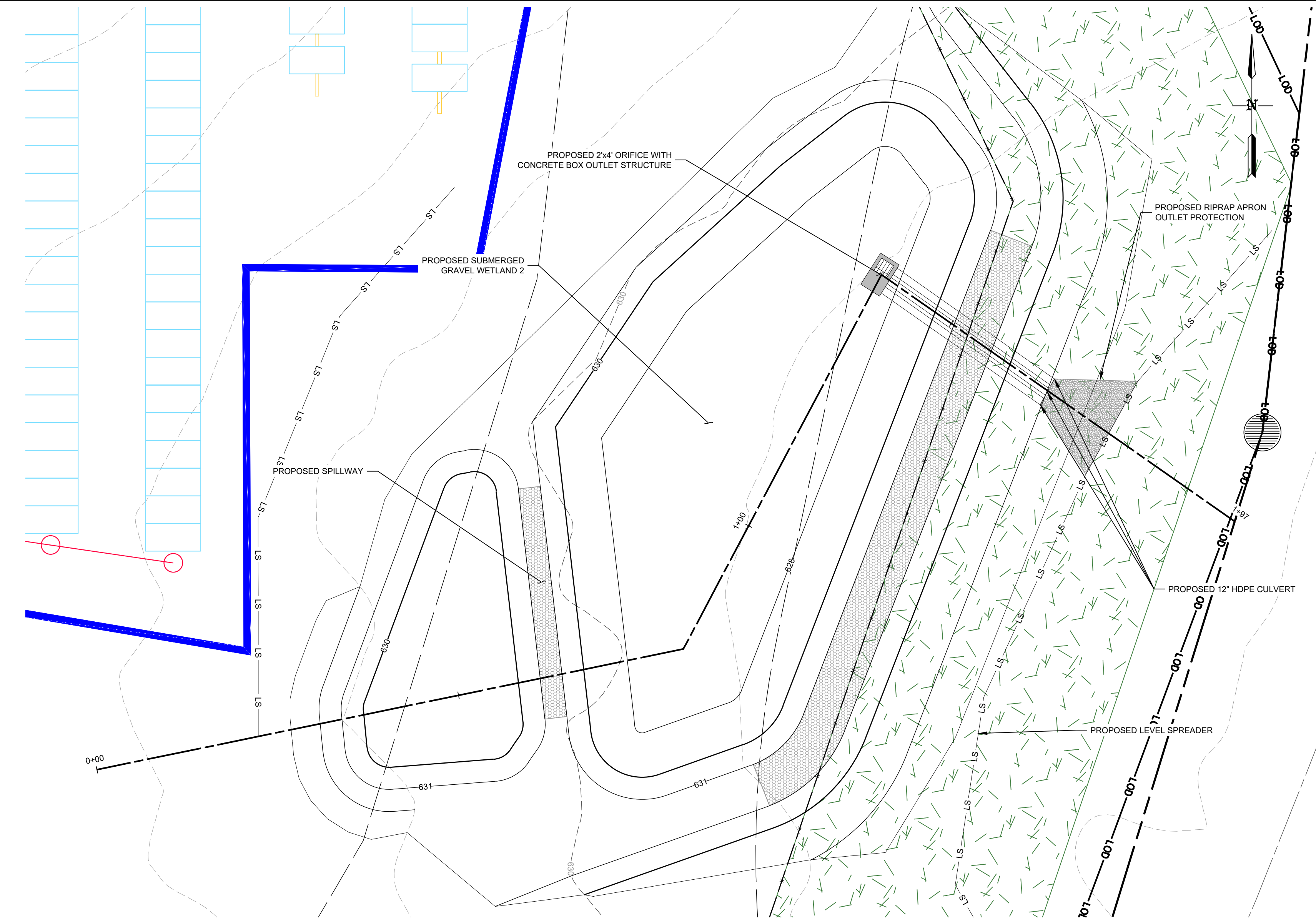
LEGEND

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	EXISTING CONTOURS
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	ADJOINING PROPERTY LINE
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	PROPOSED LIMIT OF DISTURBANCE
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	PROPOSED CARROLL HEILAND SOLAR 2, LLC SITE BOUNDARY
	PANEL AREAS TO BE GRADED TO 15% MAXIMUM

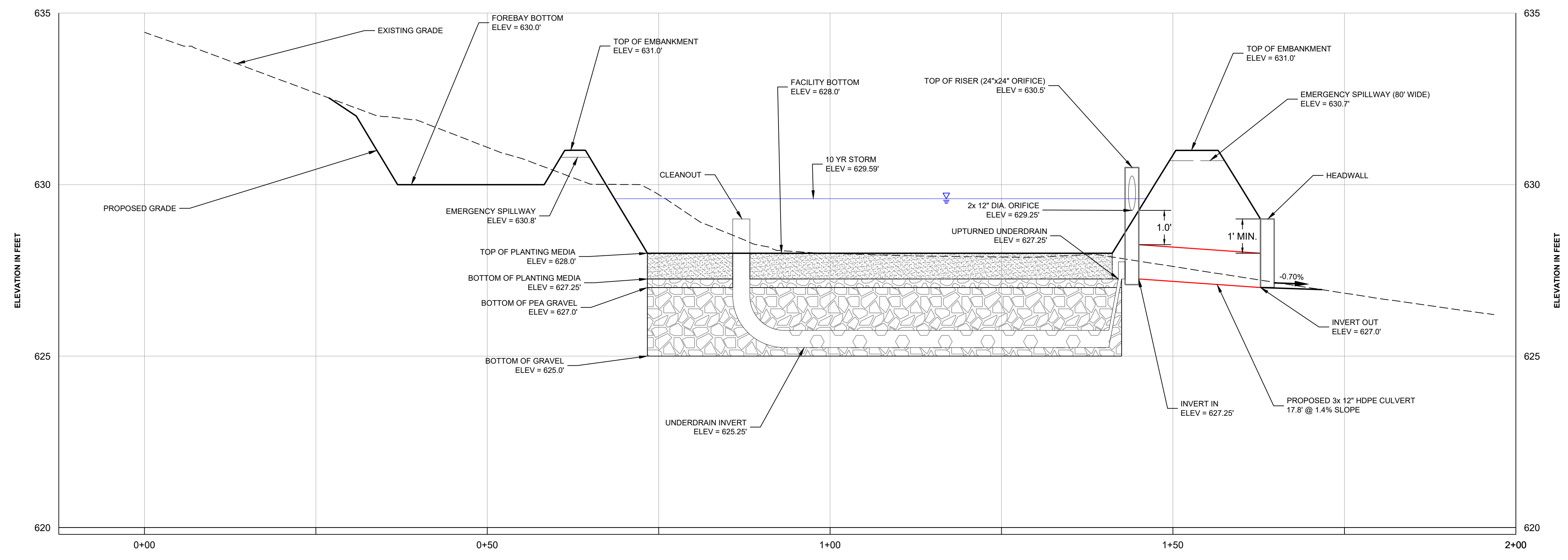


1 DETAIL
SGW 2 CONCRETE BOX RISER/OUTLET STRUCTURE
NOT TO SCALE



SUBMERGED GRAVEL WETLAND 2 - PLAN VIEW

SCALE: 1" = 10'



SUBMERGED GRAVEL WETLAND 2 - CROSS SECTION

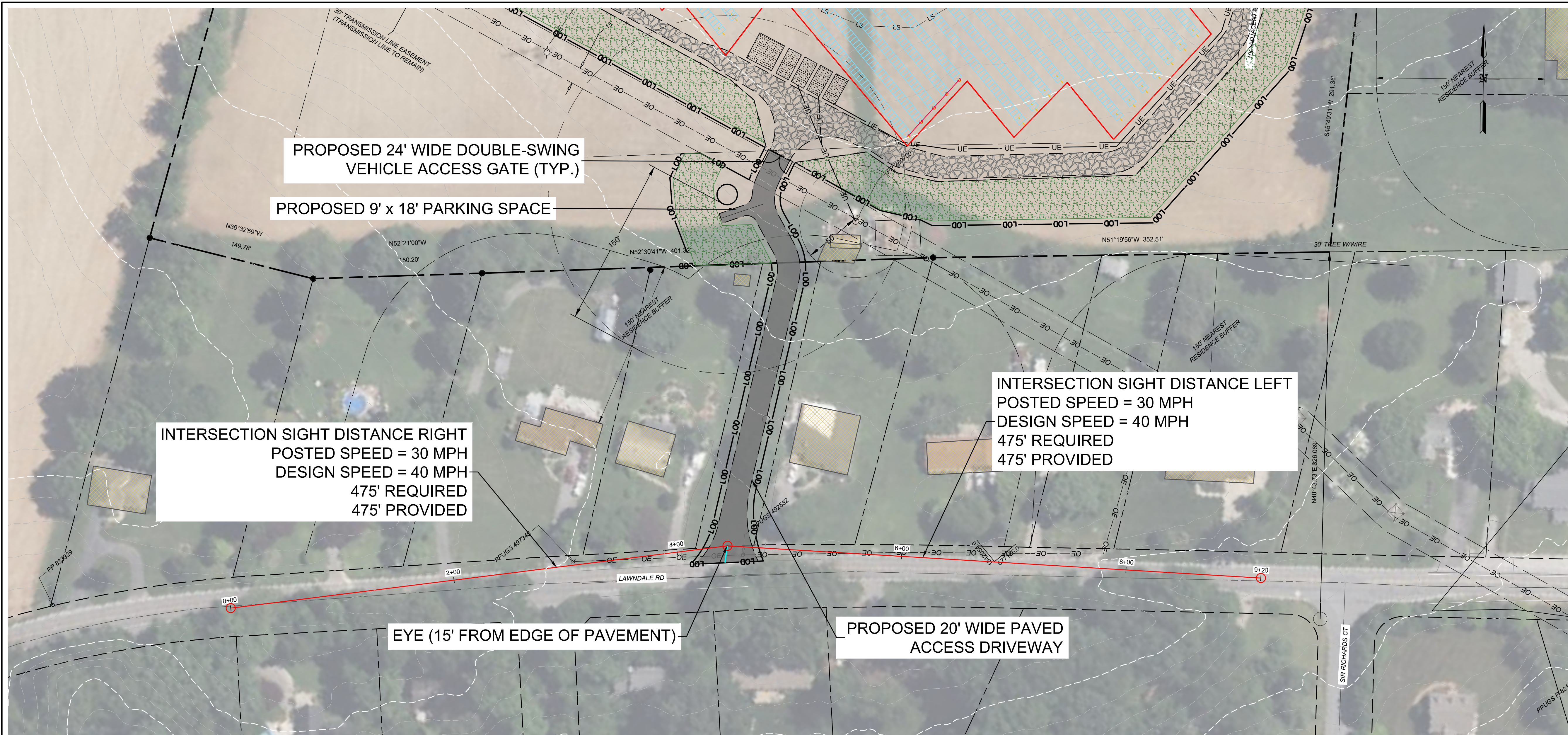
HORIZ. SCALE IN FEET: 1" = 10'

HORIZONTAL SCALE: 1" = 10'
VERTICAL SCALE: 1" = 2'

VERT. SCALE IN FEET: 1" = 2'

Project No.	25011118
Client	CLE
Drawn	BCC
Checked	ABC
Date	06/17/2026
Scale	1" = 10'
Sheet No.	1002-SWD
Project Name	SUBMERGED GRAVEL WETLAND 1 CROSS SECTION 2842 LAWDALE RD, FINKSBURG, MD 21048
Client Name	CARROLL HEILAND SOLAR 2, LLC
Client Address	FINKSBURG CARROLL COUNTY, MARYLAND

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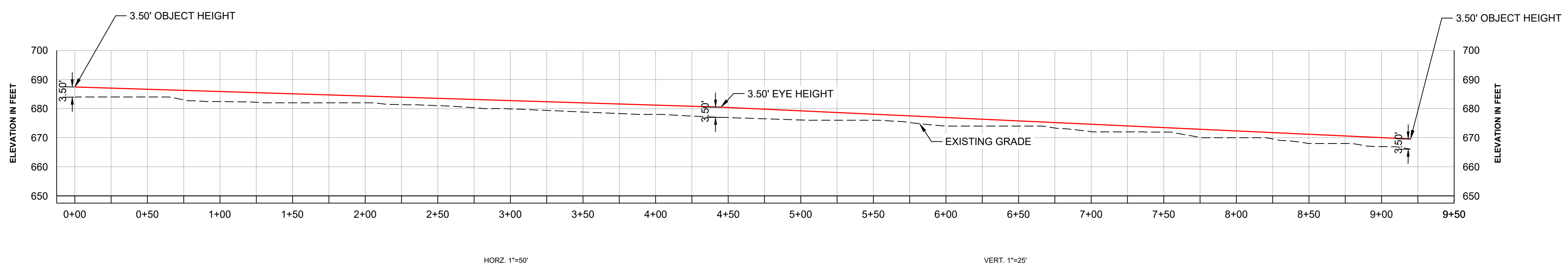


- NOTES:**
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	PROPERTY BOUNDARY
	ADJOINING PROPERTY LINE
	EXISTING RIGHT OF WAY
	EXISTING SOIL BOUNDARY & DESCRIPTOR
	EXISTING SETBACK
	EXISTING OVERHEAD ELECTRIC
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	PROPOSED SINGLE-AXIS TRACKER SOLAR ARRAY
	PROPOSED DRIVE LINE
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	PROPOSED CARROLL HEILAND SOLAR 2, LLC SITE BOUNDARY
	PANEL AREAS TO BE GRADED TO 15% MAXIMUM



By	
Date	
Scale	
Revision	
No.	

Designed	ABC	1" = 50'
Checked	BCC	06/17/2026
Drawn	CLE	25011118
Project No.		
Scale		
Scale in Feet		

SITE DISTANCE PLAN
2842 LAWNDALE RD, FINKSBURG, MD 21048
CARROLL HEILAND SOLAR, LLC
CARROLL HEILAND SOLAR 2, LLC
FINKSBURG
CARROLL COUNTY, MARYLAND

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