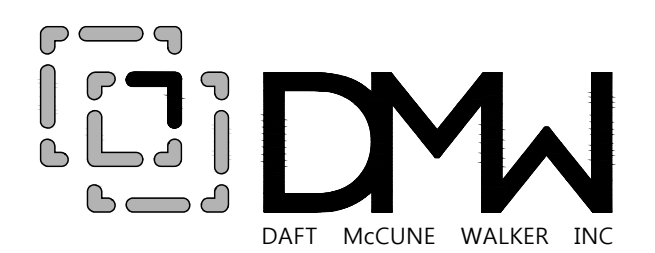


LEGEND:

— LOD —	LIMITS OF DISTURBANCE
---	PROPERTY LINE
---	FLOODPLAIN
---	STREAM
---	VARIABLE WIDTH STREAM BUFFER
---	EX. TREELINE
---	EX. DRAINAGE AREA
---	EX. PROP. TC PATHS
---	WETLAND 4' BUFFER
---	EX. MEADOW
---	EX. IMPERVIOUS AREA
---	STEEP SLOPES (25% > 50%)
---	STEEP SLOPES (> 50%)
---	PROPOSED WATER RESOURCE PROTECTION EASEMENT

CALL "MISS UTILITY" AT 1-800-257-7777 FOR UTILITY LOCATIONS AT LEAST 5 DAYS PRIOR TO BEGINNING CONSTRUCTION.

PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 42,429, EXPIRATION DATE: 06-06-2026



920 N. EAST STREET FREDERICK, MD 21701
 P: 301.696.9040 WWW.DMW.COM

**EXISTING CONDITIONS MAP
 SWM CONCEPT PLAN**

**CONCEPT SITE
 DEVELOPMENT PLANS**
 for
BROWN ROAD SOLAR
 CARROLL COUNTY MD
 SHA TRACKING NO. 24APCLO13XX

OWNER:
 F.S.K. PROPERTIES, LLC
 2217 RIDGE ROAD
 WESTMINSTER, MD 21157-7452
 443-929-6827

DEVELOPER:
 4000 BROWN, LLC
 c/o PIVOT ENERGY - JOHN SHIELDS
 6865 DEERPATH ROAD, SUITE 330
 ELKRIEGE, MD 21075
 585-615-5765

DATE	BY	REVISIONS

SEAL	INITIAL SUB: 03/20/2026
	SCALE: 1" = 100'
	DRAWN: JNS
	DESIGNED: JHV
	CHECKED BY: DSM
	PROJECT NO.: 23711
DRAWING: 2 of 14	DATE: 03/20/2026

STATION	LAND SLOPE (%)	LENGTH OF WETLAND AREAS (FT.)	LENGTH OF STEEP SLOPES > 25% (FT.)	STREAM BUFFER WIDTH (FT.)	NOTES
0+00	3	0	0	56	
0+91	4.5	0	0	59	
2+00	3.5	0	0	57	
3+00	3.5	0	0	57	
4+00	2	0	0	54	
5+00	6.5	0	17	60	
6+00	3.5	0	0	57	
7+00	4.5	0	0	59	
8+00	2.5	0	0	55	
9+00	3	0	0	56	
10+00	2.5	0	0	55	
10+96.95	4	0	0	58	

VARIABLE WIDTH STREAM BUFFER CALCULATION					NOTES
STATION	LAND SLOPE (%)	LENGTH OF WETLAND AREAS (FT.)	LENGTH OF STEEP SLOPES > 25% (FT.)	STREAM BUFFER WIDTH (FT.)	
12+00	2.5	0	0	55	
13+00	2	0	0	54	
13+28	2.5	0	0	55	
14+00	2.5	0	0	55	
15+00	3.5	0	0	57	
16+00	2	0	0	54	
17+00	3.5	0	0	57	
18+00	2	0	0	54	
19+00	7	0	0	64	
20+00	12.5	0	0	75	
21+00	8.5	0	0	67	
22+00	8.5	0	0	67	
23+00	7.5	0	0	65	
24+00	8.5	0	0	67	
25+00	6	0	0	62	
26+00	2	0	0	54	
26+77	2	0	0	54	
27+00	2.5	0	0	55	

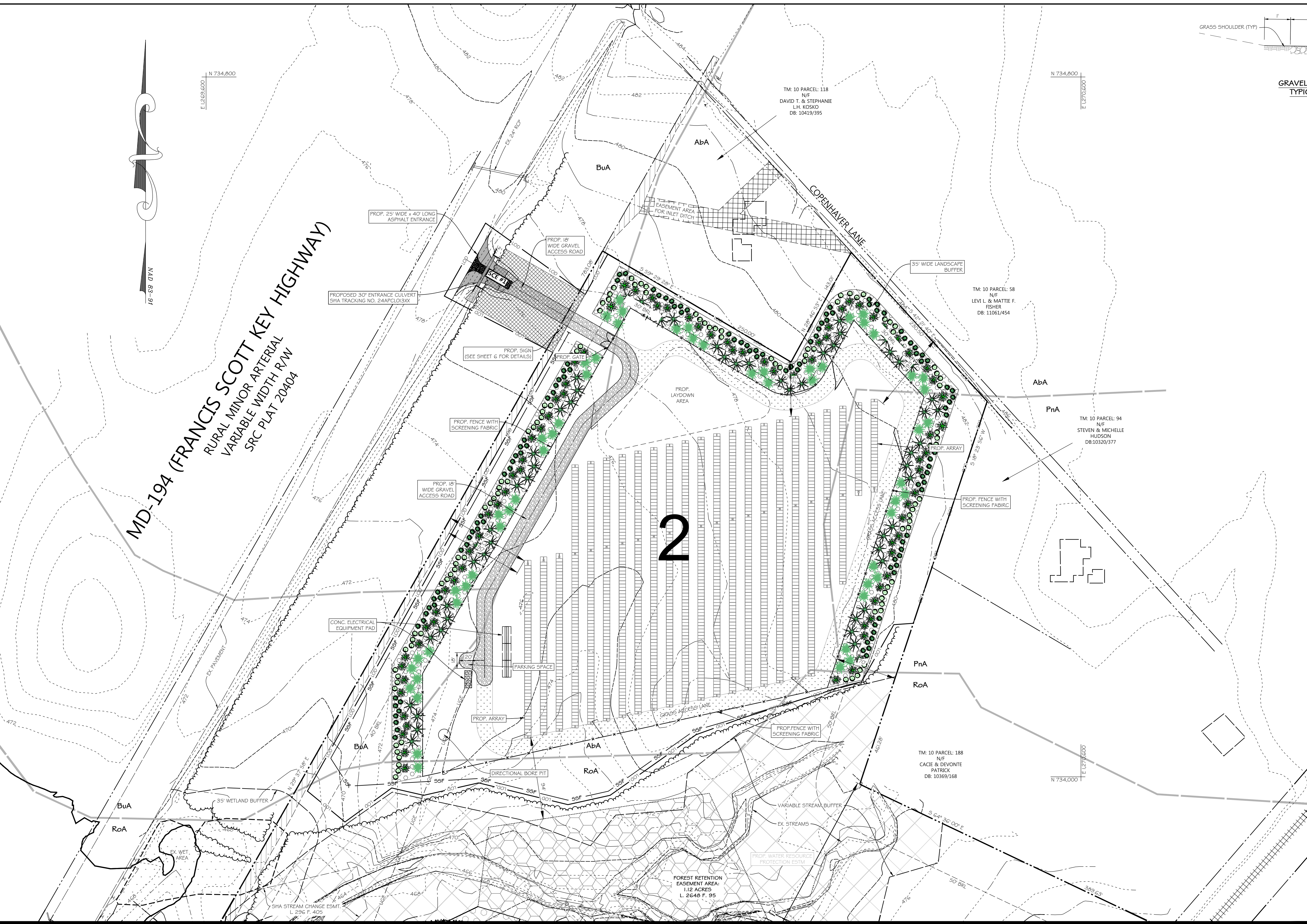
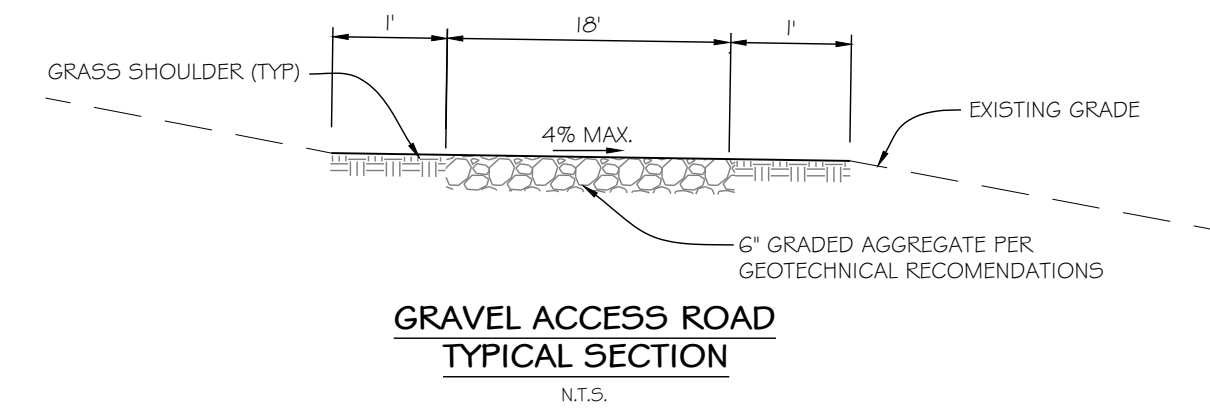
VARIABLE WIDTH STREAM BUFFER CALCULATION					NOTES
STATION	LAND SLOPE (%)	LENGTH OF WETLAND AREAS (FT.)	LENGTH OF STEEP SLOPES > 25% (FT.)	STREAM BUFFER WIDTH (FT.)	
29+50	3.5	0	0	57	
30+00	3	0	0	56	
31+00	5.5	0	0	61	
32+00	5.5	0	0	61	
32+68	5.5	0	0	61	
33+00	3.5	0	0	57	
35+00	7	0	0	64	
35+79	2	0	0	54	
36+00	1	0	0	52	

VARIABLE WIDTH STREAM BUFFER CALCULATION					NOTES
STATION	LAND SLOPE (%)	LENGTH OF WETLAND AREAS (FT.)	LENGTH OF STEEP SLOPES > 25% (FT.)	STREAM BUFFER WIDTH (FT.)	
37+00	3	0	0	56	
37+50	2	0	0	54	
38+00	5	0	0	60	

VARIABLE WIDTH STREAM BUFFER CALCULATION					NOTES
STATION	LAND SLOPE (%)	LENGTH OF WETLAND AREAS (FT.)	LENGTH OF STEEP SLOPES > 25% (FT.)	STREAM BUFFER WIDTH (FT.)	
39+00	1	0	0	52	
40+00	0	0	0	50	
41+00	0	0	0	50	
42+00	1.5	0	0	53	
43+00	1	0	0	52	
44+00	1	0	0	52	

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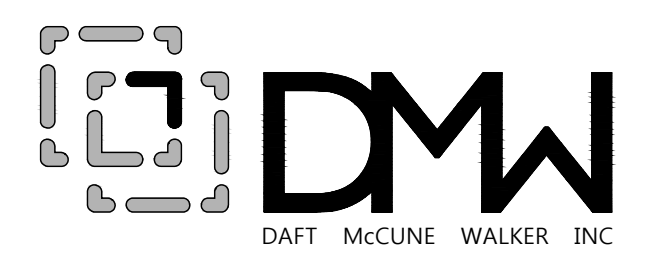
MD-194 (FRANCIS SCOTT KEY HIGHWAY)
 RURAL MINOR ARTERIAL
 VARIABLE WIDTH R/W
 SRC PLAT 20404



2

CALL "MISS UTILITY" AT 1-800-257-7777 FOR UTILITY LOCATIONS AT LEAST 5 DAYS PRIOR TO BEGINNING CONSTRUCTION.

PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 42,429, EXPIRATION DATE: 06-06-2026



920 N. EAST STREET FREDERICK, MD 21701
 P: 301 696 9040 WWW.DMW.COM

SITE, GRADING, LANDSCAPE, & SEC PLAN

CONCEPT SITE DEVELOPMENT PLANS for BROWN ROAD SOLAR CARROLL COUNTY MD SHA TRACKING NO. 24APCLO13XX

OWNER
 F.S.K. PROPERTIES, LLC
 2217 RIDGE ROAD
 WESTMINSTER, MD 21157-7452
 443-929-6827

DEVELOPER
 4000 BROWN, LLC
 c/o PIVOT ENERGY - JOHN SHIELDS
 6865 DEERPATH ROAD, SUITE 330
 ELKRIE, MD 21075
 585-615-5765

DATE	BY	REVISIONS

SEAL INITIAL SUB: 03/20/2026
 SCALE: 1" = 50'
 DRAWN: JNS
 DESIGNED: JHV
 CHECKED BY: DSM
 PROJECT NO.: 23711
 DRAWING: 5 of 14

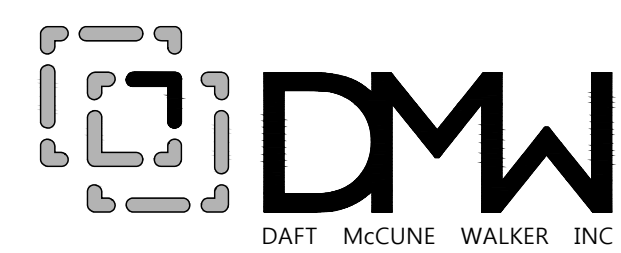
MATCH LINE SHEET 6
 SCALE: 1" = 50'

V:\23711-BROWN RD SOLAR\ENR\CD\FILES\SHEET FILES\23711_SITE.DWG - 3/20/2026 3:10 PM JHV



CALL "MISS UTILITY" AT 1-800-257-7777 FOR UTILITY LOCATIONS AT LEAST 5 DAYS PRIOR TO BEGINNING CONSTRUCTION.

PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 42,429, EXPIRATION DATE: 06-06-2026



920 N. EAST STREET FREDERICK, MD 21701
 P: 301.696.9040 WWW.DMW.COM

SITE, GRADING, LANDSCAPE, & SEC PLAN

CONCEPT SITE DEVELOPMENT PLANS
 for
BROWN ROAD SOLAR
 CARROLL COUNTY MD
 SHA TRACKING NO. 24APCLO13XX

OWNER
 F.S.K. PROPERTIES, LLC
 2217 RIDGE ROAD
 WESTMINSTER, MD 21157-7452
 443-929-6827

DEVELOPER
 4000 BROWN, LLC
 aka PIVOT ENERGY - JOHN SHIELDS
 6865 DEERPATH ROAD, SUITE 330
 ELK RIDGE, MD 21075
 585-615-5765

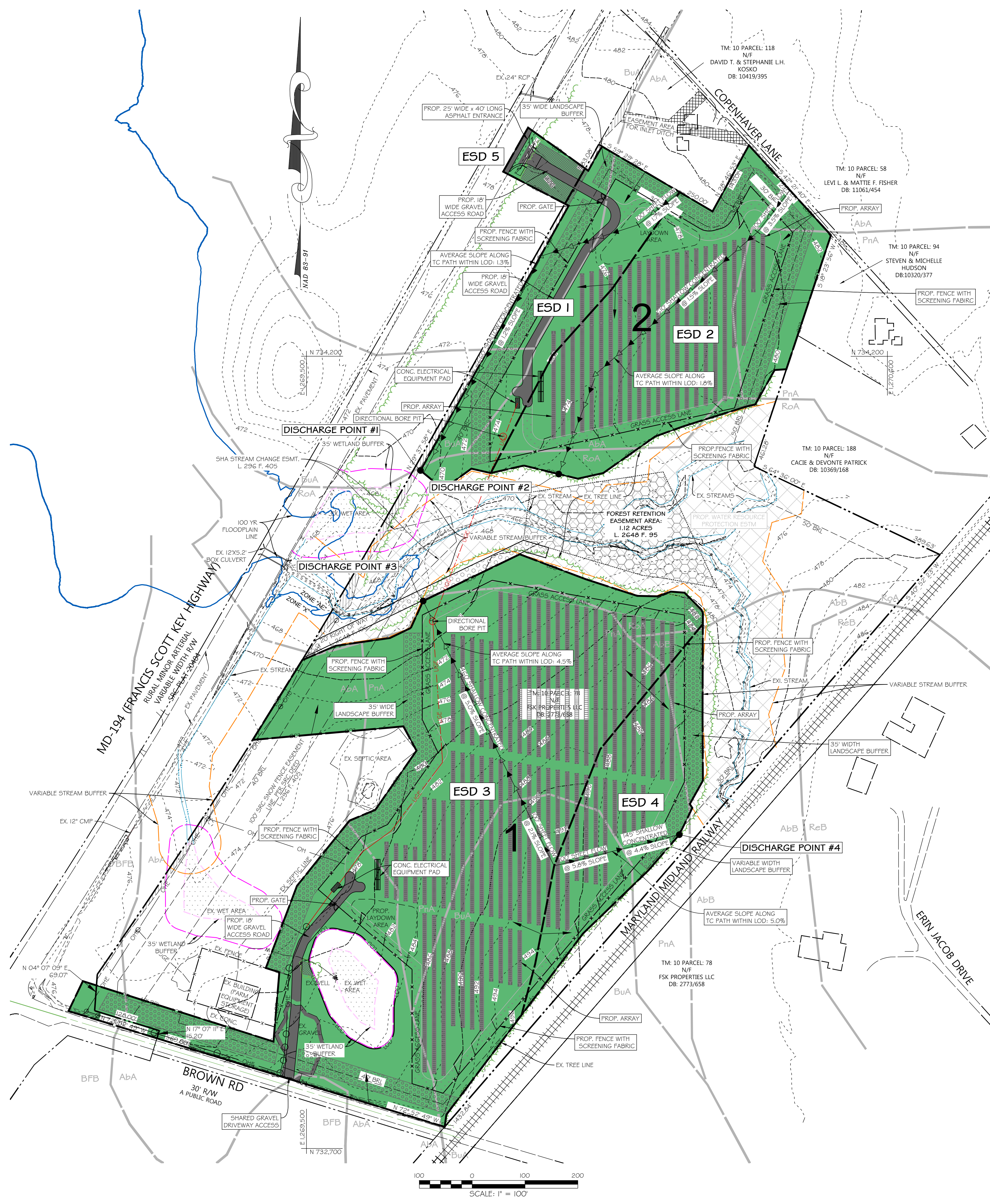
DATE	BY	REVISIONS

SEAL

INITIAL SUB: 03/20/2026
 SCALE: 1" = 50'
 DRAWN: JNS
 DESIGNED: JHV
 CHECKED BY: DSM
 PROJECT NO.: 23711
 DRAWING:

SIGN DETAILS:

- A SIGN, NOT TO EXCEED FOUR SQUARE FEET, SHALL BE CLEARLY VISIBLE AND POSTED AT EACH ENTRANCE TO THE SOLAR ENERGY GENERATING SYSTEM SITE TO IDENTIFY THE PROPERTY OWNER, THE SOLAR ENERGY GENERATING SYSTEM OPERATOR, AND THE 24-HOUR EMERGENCY CONTACT PHONE NUMBER. INFORMATION ON THE SIGN SHALL BE KEPT CURRENT.
- PLACARDS SHALL BE POSTED TO IDENTIFY THE LOCATION OF THE AC POWER SUPPLY EMERGENCY DISCONNECTS. ALL OTHER SIGNAGE REQUIRED BY THE ELECTRICAL BUILDING, OR FIRE CODE SHALL BE POSTED AS REQUIRED.

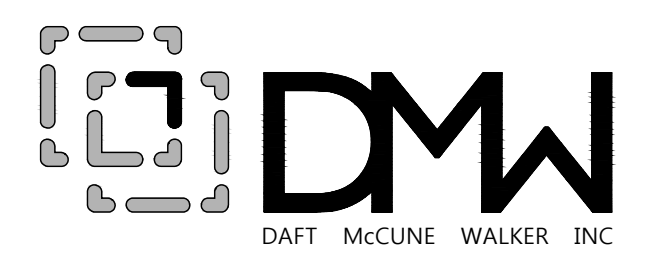


Facility Type	DA #	Drainage Area Treated (Ft ²)	Impervious Area Treated (Ft ²)	Required PE (In)	Proportion of Target ESDv	Proportion of Target ESDv (Ft ²)	ESDv Provided (Ft ²)	Design PE (In)	Effective RCN
N-2 - Disconnection of Non-Rooftop Runoff	1	91,762	9,727	1.0	19%	1,112	1,112	1.0	64
N-2 - Disconnection of Non-Rooftop Runoff	2	194,583	622	1.0	15%	858	858	1.0	64
N-2 - Disconnection of Non-Rooftop Runoff	3	472,345	16,150	1.0	55%	3,180	3,180	1.0	64
N-2 - Disconnection of Non-Rooftop Runoff	4	91,995	15	1.0	7%	384	384	1.0	64
N-2 - Disconnection of Non-Rooftop Runoff	5	11,400	2,929	1.0	5%	267	267	1.0	64
Totals:		862,085	29,444	1.0	100%	5,801	5,801	1.0	64

Impervious Area Description	Length (FT)	Width (FT)	Area (SF)	Quantity	Total Area (SF)	Comments
Inverter/Equipment Pads (Concrete / Gravel)	20	8	160	2	320	Inverter Pad Site
Inverter/Equipment Pads (Concrete / Gravel)	Varies	Varies	1462	1	1,462	Equipment Pad Site
Solar Panels					154,085	Not Included in Total
Solar Panel Posts (W6x25)			0.05	2,390	122	Conceptual / Approximate
Entrance & Array Field Access Ways (Gravel / Asphalt)	Varies	18	27,540	1	27,540	Excludes Grass Access Ways, Includes Existing Driveway
Total Impervious Area					29,444	SF
					0.68	Acres

CALL "MISS UTILITY" AT 1-800-257-7777 FOR UTILITY LOCATIONS AT LEAST 5 DAYS PRIOR TO BEGINNING CONSTRUCTION.

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920 N. EAST STREET FREDERICK, MD 21701
P: 301 696 9040 WWW.DMW.COM

**ESD DRAINAGE AREA MAP
SWM CONCEPT PLAN**

**CONCEPT SITE
DEVELOPMENT PLANS**
for
BROWN ROAD SOLAR
CARROLL COUNTY MD
SHA TRACKING NO. 24APCLO13XX

OWNER
F.S.K. PROPERTIES, LLC
2217 RIDGE ROAD
WESTMINSTER, MD 21157-7452
443-929-6827

DEVELOPER
4000 BROWN, LLC
c/o PIVOT ENERGY - JOHN SHIELDS
6665 DEERPATH ROAD, SUITE 330
ELKRIE, MD 21075
585-615-5765

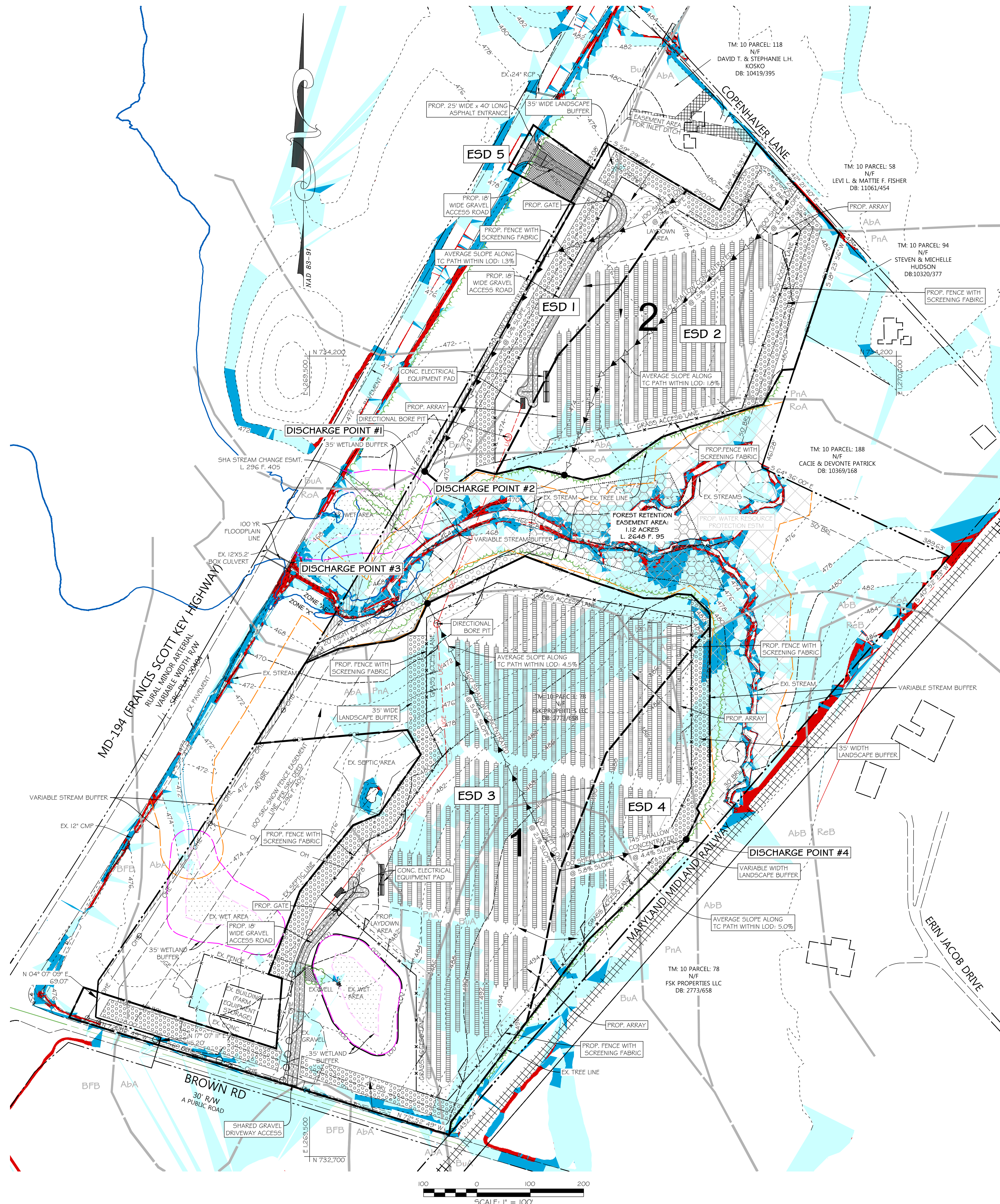
DATE	BY	REVISIONS

SEAL: [Professional Engineer Seal]
INITIAL SUB: 03/20/2026
SCALE: 1" = 100'
DRAWN: JNS
DESIGNED: JHV
CHECKED BY: DSM
PROJECT NO.: 23711
DRAWING: 7 of 14

LEGEND:

- LOD: LIMITS OF DISTURBANCE
- PROPERTY LINE
- FLOODPLAIN
- STREAM
- VARIABLE WIDTH STREAM BUFFER
- 100' TOP OF STREAM BANK OFFSET
- EX. TREELINE
- PROP. DRAINAGE AREA
- EX. 4' PROP. TC PATHS
- 100' SHEETFLOW @ 3.00%
- WETLAND # BUFFER
- GRASSMEADOW WITHIN LOD
- PROP. IMPERVIOUS AREA WITHIN LOD
- PROP. LANDSCAPE BUFFER
- PROPOSED WATER RESOURCE PROTECTION EASEMENT
- TREE CLEARING AREA (±0.05 AC.)
- TREE TRIMMING AREA (±0.02 AC.)

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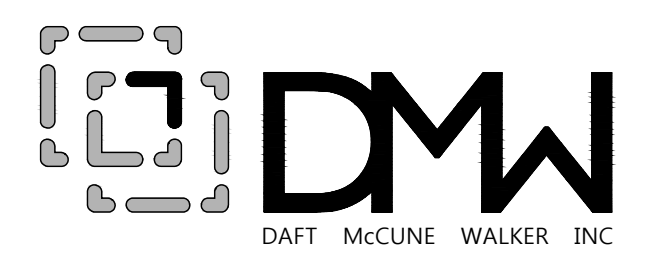


LEGEND:

— LOD	LIMITS OF DISTURBANCE
--- PROP. DRAINAGE AREA	PROP. DRAINAGE AREA
--- EX. & PROP. TC PATHS	EX. & PROP. TC PATHS
Light Blue	5%-10% SLOPES
Medium Blue	10%-25% SLOPES
Red	>25% SLOPES
Diagonal Hatching	PROPOSED WATER RESOURCE PROTECTION EASEMENT

CALL "MISS UTILITY" AT 1-800-257-7777 FOR UTILITY LOCATIONS AT LEAST 5 DAYS PRIOR TO BEGINNING CONSTRUCTION.

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920 N. EAST STREET FREDERICK, MD 21701
 P. 301.696.9040 WWW.DMW.COM

**DA FLOW PATH MAP
 SWM CONCEPT PLAN**

**CONCEPT SITE
 DEVELOPMENT PLANS**
 for
BROWN ROAD SOLAR
 CARROLL COUNTY MD
 SHA TRACKING NO. 24APLO13XX

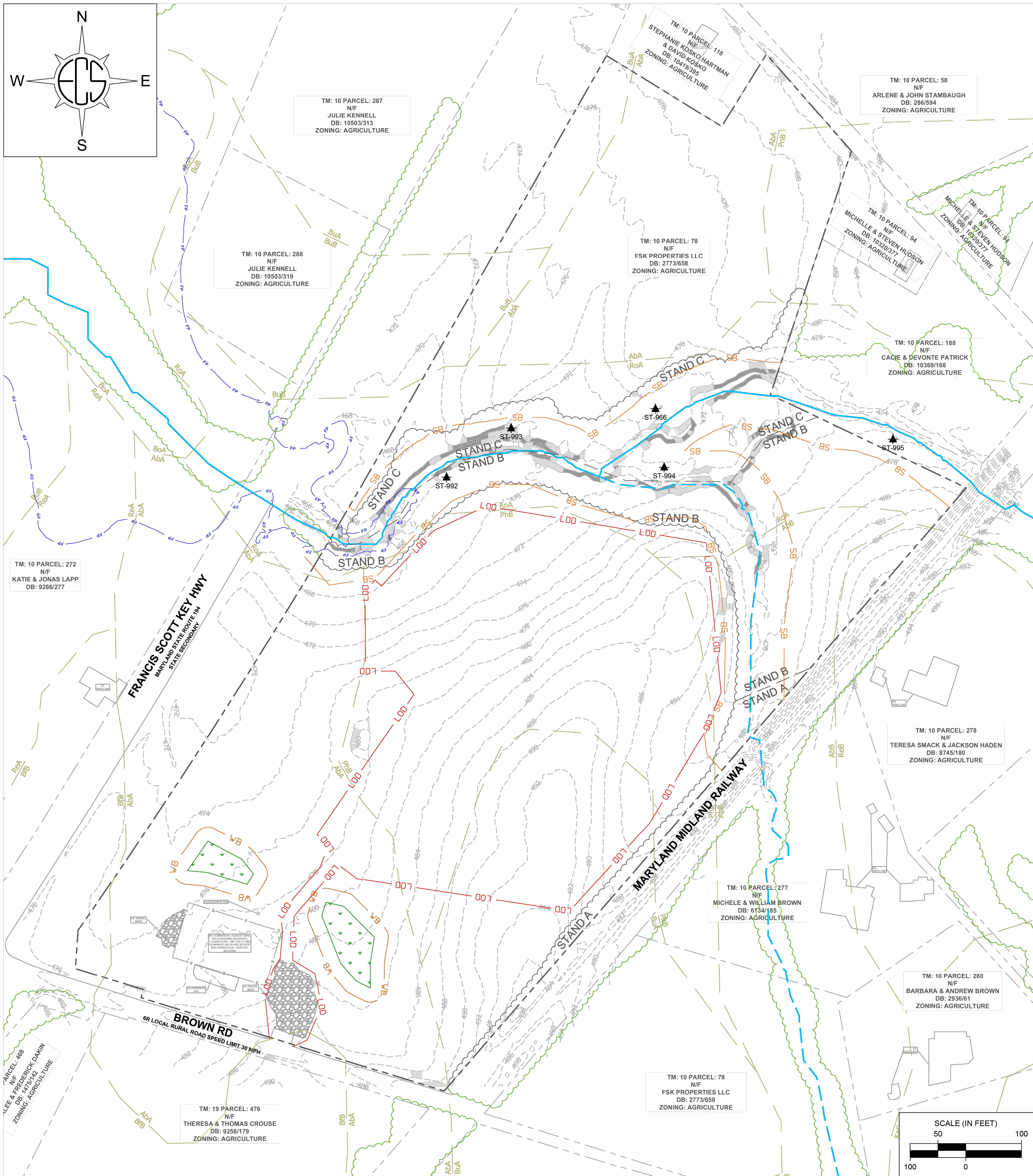
OWNER
 F.S.K. PROPERTIES, LLC
 2217 RIDGE ROAD
 WESTMINSTER, MD 21157-7452
 443-929-6827

DEVELOPER
 4000 BROWN, LLC
 c/o PIVOT ENERGY - JOHN SHIELDS
 6865 DEERPATH ROAD, SUITE 330
 ELKRIE, MD 21075
 585-615-5765

DATE	BY	REVISIONS

SEAL: [Professional Engineer Seal]
 INITIAL SUB: 03/20/2026
 SCALE: 1" = 100'
 DRAWN: JNS
 DESIGNED: JHV
 CHECKED BY: DSM
 PROJECT NO.: 23711
 DRAWING: 8 of 14

V:\2021\BROWN RD SOLAR\ENCLOSURE SHEETS\2021_1_SWM CONCEPT.DWG, 3/20/2026, 4:07 PM, jwh



Forest Stand Table				Specimen Trees					
Forest Stand ID	Square Feet (SF)	Acres (AC)	Dominant Species	Tag No.	Common Name	Scientific Name	DBH (in.)	Condition	Comments
A	21,681	0.50	<i>Juglans nigra, Prunus serotina, Carya glabra</i>	966	Sycamore	<i>Platanus occidentalis</i>	30.5	Good	1 trunk, some lower dead limbs with minor vine growth
B	177,065	4.06	<i>Juglans nigra</i>	992	Black Walnut	<i>Juglans nigra</i>	30.1	Poor	2 trunks, some lower dead limbs with minor vine growth
C	103234	2.37	<i>Carya ovata, Platanus occidentalis, acer rubrum</i>	993	Red Maple	<i>Acer rubrum</i>	33.5	Fair	1 trunk, some lower dead limbs, vine growth
				994	Chestnut Oak	<i>Quercus montana</i>	48.8	Good	1 trunk, some lower dead limbs, minor vine growth
				995	Red Maple	<i>Acer rubrum</i>	31.8	Good	1 trunk, some lower dead limbs, minor vine growth



VICINITY MAP
1" = 2,000'

LEGEND

- ▲ ST-# SPECIMEN TREE LOCATION
- FOREST STAND
- TREE LINE
- AbcD / AbcD SOIL UNITS
- - - ELEVATION CONTOURS
- STEEP SLOPES (15-25%)
- STEEP SLOPES (>25%)
- PERENNIAL STREAM (R3)
- - - INTERMITTENT STREAM (R4)
- PALUSTRINE EMERGENT (PEM) WETLAND
- SB PRELIMINARY STREAM BUFFER (VARIABLE WIDTH)
- BS / WB PRELIMINARY 25' WETLAND BUFFER
- B/A / LOD PROPOSED LIMITS OF DISTURBANCE (LOD)
- - - SUBJECT PROPERTY BOUNDARIES
- - - ADJOINING PROPERTY BOUNDARIES

This Forest Stand Delineation has been prepared in accordance with all State and local ordinances which were in effect as of the date shown below. The undersigned is a qualified professional in accordance with COMAR 08.19.06.01.

[Signature]
Michael Bacon

- Site-Specific Notes**
- Three forest stands are present within the boundaries of the study area:
 - Forest Stand A is a young stand located on the southeastern border of the subject property. This stand generally consists of black cherry, black walnut, and pinnut hickory with an herbaceous stratum consisting of pokeweed and poison ivy along the edge of the farm field. Additionally, tree of heaven was noted along the edges of the farm field.
 - Forest Stand B is a medium-aged stand located within the central portion of the subject property. This stand generally consists of black walnut with an understory of mockernut hickory, red maple, and American sycamore. The herbaceous stratum of this stand generally consists of multiflora rose, poison ivy, and Japanese stilt grass. A large number of downed trees are present within this stand due to apparent storm damage.
 - Forest Stand C is a medium to mature stand located north of the onsite perennial stream. This stand generally consists of shagbark hickory, American sycamore, and red maple. The herbaceous stratum of this stand generally consists of multiflora rose.
 - A Forest Retention Area of 1.12 acres is present on the subject property.
 - Watershed Eco, LLC conducted a wetland delineation at the subject property on August 8, 2022. The investigation identified one perennial stream, one intermittent stream, and two palustrine emergent (PEM) wetlands.
 - Wetland and stream features depicted herein were field verified by the MDE on November 21, 2023.
 - Soil mapping units BfB – Birdsboro silt loam, 3 to 8 percent slopes, BuA – Bucks silt loam, 0 to 3 percent slopes, BuB – Bucks silt loam 3 to 8 percent slopes, PhB – Penn silt loam, 3 to 8 percent slopes, ReB – Reaville silt loam, 3 to 8 percent slopes and RoA – Rowland silt loam, 0 to 3 percent slopes have a K-value greater than 0.35. Steep slopes are present along the stream banks within the subject property.
 - SGC Power submitted an Environmental Review request to the Maryland DNR for any information on critical habitat or threatened and endangered species onsite. On July 23, 2021, Ms. Lori Byrne of the DNR responded that no official records for State or Federal listed, candidate, proposed, or rare plant or animal species are located within the project area.
 - According to FEMA, a 100-year floodplain extends into the central-eastern portion of the subject property.
 - According to MERLIN, the subject property is not identified on the Maryland Inventory of Historic Places.
 - A mixture of agricultural land and low-density residential development is present to the north, east, and west of the subject property. Several areas of fragmented wooded land are present to the north, east, south, and west of the subject property.
 - Construction stockpile/laydown areas and phasing plans will be prepared during the local site plan and construction document preparation process.
 - The Project schedule includes the following approximate milestones:
 - Engineering and Permitting: TBD
 - Start of construction: TBD
 - Start of Commercial Operation: TBD



Larry Hogan, Governor
Boyd Rutherford, LL Governor
Jeannie Haddaway-Ricco, Secretary
Allan Fisher, Acting Deputy Secretary

July 23, 2021
Mr. Abe Bennett
SGC Power
6865 Deerpath Road
Suite 330
Elkridge, MD 21075

RE: Environmental Review for SGC MDL103 - FSK Properties LLC/Byron Taylor - Francis Scott Key Highway and Brown Road, Tax Map 10 Parcel 78, Proposed 2 MW Community Solar Array, Carroll County, Maryland.

Dear Mr. Bennett:

The Wildlife and Heritage Service has determined that there are no official State or Federal records for listed plant or animal species within the delineated area shown on the map provided. As a result, we have no specific concerns regarding potential impacts or recommendations for protection measures at this time. Please let us know however if the limits of proposed disturbance or overall site boundaries change and we will provide you with an updated evaluation.

Thank you for allowing us the opportunity to review this project. If you should have any further questions regarding this information, please contact me at (410) 260-8573.

Sincerely,

[Signature]

Lori A. Byrne,
Environmental Review Coordinator
Wildlife and Heritage Service
MD Dept. of Natural Resources

ER# 2021.0876.cl

Tawes State Office Building – 580 Taylor Avenue – Annapolis, Maryland 21401
410-260-8DNR or toll free in Maryland 877-620-8DNR – dnr.maryland.gov – TTY Users Call via the Maryland Relay

Soils Table					
Map Unit Symbol	Map Unit Name	Hydric Rating	Natural Drainage Class	Hydrologic soil group	K-Value
AbA	Abbottstown silt loam, 0 to 3 percent slopes	Yes	Somewhat poorly drained	D	0.32
AbB	Abbottstown silt loam, 3 to 8 percent slopes	Yes	Somewhat poorly drained	D	0.32
BfB	Birdsboro silt loam, 3 to 8 percent slopes	Yes	Well drained	B	0.37
BuA	Bucks silt loam, 0 to 3 percent slopes	No	Well drained	B	0.37
BuB	Bucks silt loam, 3 to 8 percent slopes	No	Well drained	B	0.37
PhB	Penn silt loam, 3 to 8 percent slopes	No	Well drained	B	0.37
PnB	Penn channery loam, 3 to 8 percent slopes	No	Well drained	B	0.24
ReB	Reaville silt loam, 3 to 8 percent slopes	No	Somewhat poorly drained	D	0.37
RoA	Rowland silt loam, 0 to 3 percent slopes	Yes	Moderately well drained	C	0.37

CELEBRATING
OVER 30 YEARS
OF EXCELLENCE

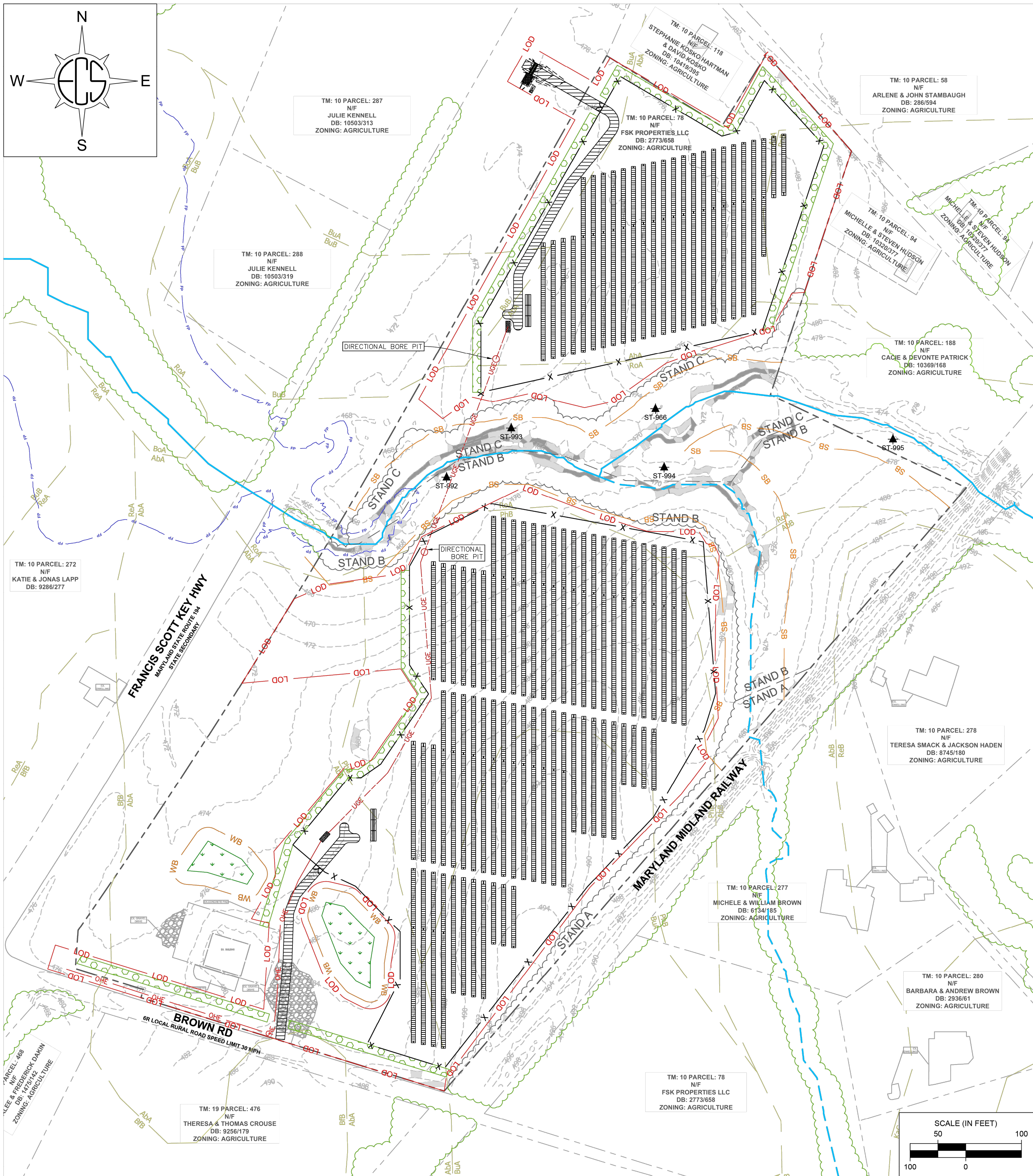
ECS - MID-ATLANTIC, LLC
1340 CHARWOOD ROAD
SUITE B
HANOVER, MD 21076
1-800-822-8489
410-859-4300
(FAX) 703-834-5527

SETTING THE STANDARD FOR SERVICE

**MDL103
3902 BROWN ROAD
CARROLL COUNTY, MARYLAND**

**FOREST STAND
DELINEATION MAP**
ELK DEVELOPMENT, LLC

ECS REVISIONS	
ENGINEER	DRAFTING
JMH	TJW
SCALE	1" = 100'
PROJECT NO.	47:17048
SHEET	10 of 14
DATE	06 NOV 2023



Forest Stand ID	Square Feet (SF)	Acres (AC)	Dominant Species	Successional Stage
A	21,681	0.50	<i>Juglans nigra</i> , <i>Prunus serotina</i> , <i>Carya glabra</i>	Young
B	177,065	4.06	<i>Juglans nigra</i>	Medium
C	103234	2.37	<i>Carya ovata</i> , <i>Platanus occidentalis</i> , <i>acer rubrum</i>	Medium to Mature



VICINITY MAP
1" = 2,000'

LEGEND

- ST-# SPECIMEN TREE LOCATION
- FOREST STAND
- TREE LINE
- AbcD AbcD SOIL UNITS
- ELEVATION CONTOURS
- STEEP SLOPES (15-25%)
- STEEP SLOPES (>25%)
- PERENNIAL STREAM (R3)
- INTERMITTENT STREAM (R4)
- PALUSTRINE EMERGENT (PEM) WETLAND
- SB PRELIMINARY STREAM BUFFER (VARIABLE WIDTH)
- WB PRELIMINARY 25' WETLAND BUFFER
- LOD PROPOSED LIMITS OF DISTURBANCE (LOD) (19.79 AC)
- PROPOSED LANDSCAPE BUFFER
- SUBJECT PROPERTY BOUNDARIES
- ADJOINING PROPERTY BOUNDARIES

This Forest Stand Delineation has been prepared in accordance with all State and local ordinances which were in effect as of the date shown below. The undersigned is a qualified professional in accordance with COMAR 08.19.06.01.

Michael Bacon
Michael Bacon

- Site-Specific Notes**
- Three forest stands are present within the boundaries of the study area:
 - Forest Stand A is a young stand located on the southeastern border of the subject property. This stand generally consists of black cherry, black walnut, and pignut hickory with an herbaceous stratum consisting of pokeweed and poison ivy along the edge of the farm field. Additionally, tree of heaven was noted along the edges of the farm field.
 - Forest Stand B is a medium-aged stand located within the central portion of the subject property. This stand generally consists of black walnut with an understory of mockernut hickory, red maple, and American sycamore. The herbaceous stratum of this stand generally consists of multiflora rose, poison ivy, and Japanese stilt grass. A large number of downed trees are present within this stand due to apparent storm damage.
 - Forest Stand C is a medium to mature stand located north of the onsite perennial stream. This stand generally consists of shagbark hickory, American sycamore, and red maple. The herbaceous stratum of this stand generally consists of multiflora rose.
 - A Forest Retention Area of 1.12 acres is present on the subject property.
 - Watershed Eco, LLC conducted a wetland delineation at the subject property on August 8, 2022. The investigation identified one perennial stream, one intermittent stream, and two palustrine emergent (PEM) wetlands.
 - Wetland and stream features depicted herein were field verified by the MDE on November 21, 2023.
 - Soil mapping units BfB – Birdsboro silt loam, 3 to 8 percent slopes, BuA – Bucks silt loam, 0 to 3 percent slopes, BuB – Bucks silt loam, 3 to 8 percent slopes, PhB – Penn silt loam, 3 to 8 percent slopes, ReB – Reaville silt loam, 3 to 8 percent slopes and RoA – Rowland silt loam, 0 to 3 percent slopes have a K-value greater than 0.35. Steep slopes are present along the stream banks within the subject property.
 - SGC Power submitted an Environmental Review request to the Maryland DNR for any information on critical habitat or threatened and endangered species onsite. On July 23, 2021, Ms. Lori Byrne of the DNR responded that no official records for State or Federal listed, candidate, proposed, or rare plant or animal species are located within the project area.
 - According to FEMA, a 100-year floodplain extends into the central-eastern portion of the subject property.
 - According to MERLIN, the subject property is not identified on the Maryland Inventory of Historic Places.
 - A mixture of agricultural land and low-density residential development is present to the north, east, and west of the subject property. Additional agricultural land is present to the south of the subject property. Several areas of fragmented wooded land are present to the north, east, south, and west of the subject property.
 - Construction stockpile/laydown areas and phasing plans will be prepared during the local site plan and construction document preparation process.
 - The Project schedule includes the following approximate milestones:
 - Engineering and Permitting: TBD
 - Start of construction: TBD
 - Start of Commercial Operation: TBD

Forest Conservation Worksheet 2.2

Net Tract Area

A. Total Tract Area	A =	32.13
B. Deductions	B =	0.17
C. Net Tract Area	C =	31.96

Land Use Category

Input the number "1" under the appropriate land use zoning, and limit to only one entry

	ARA	MDR	IDA	HDR	MPD	CIA
	1	0	0	0	0	0

Existing Forest Cover

D. Afforestation Threshold (Net Tract Area x 20%)	D =	6.39
E. Conservation Threshold (Net Tract Area x 50%)	E =	15.98

Existing Forest Cover

F. Existing Forest Cover within the Net Tract Area	F =	6.78
G. Area of Forest Above Conservation Threshold	G =	0.00

Break Even Point

H. Break Even Point	H =	6.78
I. Forest Clearing Permitted Without Mitigation	I =	0.00

Proposed Forest Clearing

J. Total Area of Forest to be Cleared	J =	0.00
K. Total Area of Forest to be Retained	K =	6.78

Planting Requirements

L. Reforestation for Clearing Above the Conservation Threshold	L =	0.00
M. Reforestation for Clearing Below the Conservation Threshold	M =	0.00
N. Credit for Retention above the Conservation Threshold	N =	0.00
P. Total Reforestation Required	P =	0.00
Q. Total Afforestation Required	Q =	0.00
R. Total Planting Requirement	R =	0.00

Soils Table

Map Unit Symbol	Map Unit Name	Hydric Rating	Natural Drainage Class	Hydrologic soil group	K-Value
AbA	Abbotstown silt loam, 0 to 3 percent slopes	Yes	Somewhat poorly drained	D	0.32
AbB	Abbotstown silt loam, 3 to 8 percent slopes	Yes	Somewhat poorly drained	D	0.32
BfB	Birdsboro silt loam, 3 to 8 percent slopes	Yes	Well drained	B	0.37
BuA	Bucks silt loam, 0 to 3 percent slopes	No	Well drained	B	0.37
BuB	Bucks silt loam, 3 to 8 percent slopes	No	Well drained	B	0.37
PhB	Penn silt loam, 3 to 8 percent slopes	No	Well drained	B	0.37
PnB	Penn channery loam, 3 to 8 percent slopes	No	Well drained	B	0.24
ReB	Reaville silt loam, 3 to 8 percent slopes	No	Somewhat poorly drained	D	0.37
RoA	Rowland silt loam, 0 to 3 percent slopes	Yes	Moderately well drained	C	0.37

MDL103
3902 BROWN ROAD
CARROLL COUNTY, MARYLAND

FOREST CONSERVATION PLAN
ELK DEVELOPMENT, LLC

CELEBRATING OVER 30 YEARS OF EXCELLENCE

ECS - MID-ATLANTIC, LLC
1340 CHARWOOD ROAD
SUITE B
HANOVER, MD 21076
1-800-822-8489
410-859-4500
(FAX) 703-834-5527

SETTING THE STANDARD FOR SERVICE

ECS REVISIONS

ENGINEER	DRAFTING
JMH	TJW

SCALE 1" = 100'

PROJECT NO. 47:17048

SHEET 11 of 14

CARROLL COUNTY FILE NO. 5-26-0020 DATE 02 JUL 2024

GENERAL CONSTRUCTION NOTES:

1. ALL CONSTRUCTION ON THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH BOOK OF STANDARDS, HIGHWAY AND INCIDENTAL STRUCTURES AND STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS BY MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION (MSHA), 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL BY WATER RESOURCES ADMINISTRATION, SOIL CONSERVATION SERVICE AND STATE SOIL CONSERVATION COMMITTEE AND 2009 MARYLAND STORMWATER DESIGN MANUAL VOLUMES I & II, INCLUDING ALL REVISIONS AND SUPPLEMENTS, MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION.
2. THE LOCATION OF EXISTING UTILITIES SHOWN IS APPROXIMATE ONLY. CONTRACTOR SHALL VERIFY THE EXISTENCE, LOCATION AND DEPTH OF ANY UTILITIES AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCY PRIOR TO BEGINNING WORK.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE ENGINEERING OFFICE OF DAFT MCCUNE WALKER (DMW) AT 301-624-3040 IN THE EVENT OF ANY DISCREPANCIES IN THE PLANS OR IN THE RELATIONSHIPS OF FINISHED GRADES TO EXISTING GRADE PRIOR TO BEGINNING WORK.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF TRAFFIC ON ANY EXISTING ROADS IN ACCORDANCE WITH THE LATEST EDITION OF MARYLAND STATE HIGHWAY ADMINISTRATION AND FEDERAL (USDOT FHWA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS. IF A SHA PUBLIC UTILITY PERMIT IS APPLIED FOR, THE CONTRACTOR SHALL BE NAMED AS THE TRAFFIC CONTROL MANAGER AND SHALL COMPLY WITH ALL SHA TRAFFIC CONTROL STANDARDS.
5. THE CONTRACTOR SHALL NOTE THAT IN CASE OF A DISCREPANCY BETWEEN THE SCALED AND FIGURED DIMENSIONS SHOWN ON THESE PLANS, THE FIGURED DIMENSIONS SHALL GOVERN.
6. IT SHALL BE DISTINCTLY UNDERSTOOD THAT THE FAILURE TO MENTION SPECIFICALLY ANY WORK WHICH WOULD NORMALLY BE REQUIRED TO COMPLETE THE PROJECT, SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO PERFORM SUCH WORK.
7. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING AT LEAST THREE WORKING DAYS BEFORE STARTING ANY CONSTRUCTION:
 - BALTIMORE GAS & ELECTRIC.....1-800-233-1854
 - VERIZON (TELEPHONE).....301-275-2355
 - COMCAST (CABLE).....301-662-6822, EXT. 133
 - MISS UTILITY (AT LEAST FIVE DAYS NOTICE).....1-800-257-7777
8. ALL EXISTING PAVING DISTURBED BY THE CONTRACTOR SHALL BE REPLACED TO THE THICKNESS AS SHOWN ON THE PAVEMENT PLAN OR TO THE SAME THICKNESS AS THE EXISTING PAVEMENT, WHICHEVER IS GREATER. PAVEMENT SHALL BE INSTALLED ACCORDING TO CARROLL COUNTY AND MSHA SPECIFICATIONS.
9. ALL RIP-RAP SHALL BE LOOSE-LAID STONE. RIP-RAP PLACED AT STORM DRAIN OUTFALLS IN EXISTING SWALES SHALL BE PLACED SO AS TO COMPLETELY LINE THE EXISTING SWALE WITH ONLY THE MINIMUM POSSIBLE GRADING OR SHAPING OF THE SWALE.
10. INLETS IN SUMPS SHALL BE CONSTRUCTED LEVEL AT THE ELEVATION GIVEN IN THE STRUCTURE SCHEDULE. INLETS ON GRADE SHALL BE ADJUSTED SO THE GRADE ON THE TOP SLAB MATCHES THE GRADE OF THE CURB.
11. ALL ROADS, DRIVES AND PARKING AREAS SHALL BE COMPACTED IN ACCORDANCE WITH STATE HIGHWAY ADMINISTRATION SPECIFICATIONS, SECTION 204 (EMBANKMENT AND SUBGRADE SECTION), LATEST EDITION.
12. DMW IS NOT RESPONSIBLE FOR THE CONTRACTORS MEANS OR METHODS FOR CONSTRUCTION, INCLUDING BUT NOT LIMITED TO THE CONTRACTORS UTILIZATION OF MEN, MATERIALS, EQUIPMENT OR SAFETY MEASURES. IN THE PERFORMANCE OF ANY WORK FOR THIS CONSTRUCTION, THE CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR PERFORMING THE WORK CORRECTLY, SAFELY AND IN CONFORMANCE WITH ALL FEDERAL, STATE AND LOCAL CODE AND/OR REGULATORY REQUIREMENTS.
13. CERTAIN AREAS OF CARROLL COUNTY ARE LOCATED WITHIN THE MONOCACY VALLEY REGION WHICH IS HISTORICALLY CONSIDERED TO CONTAIN SUBSURFACE LIMESTONE FORMATIONS WITH INHERENT SOLUTION CAVITIES COMMONLY REFERRED TO AS SINHOLES. THE PARTY RESPONSIBLE (CONTRACTOR) FOR CONSTRUCTION OF THIS PROJECT SHALL RETAIN THE SERVICES OF A PROFESSIONAL GEOTECHNICAL ENGINEER TO INVESTIGATE THE SITE'S SUITABILITY FOR CONSTRUCTION AND MAKE RECOMMENDATIONS FOR SITE DEVELOPMENT AND CORRECTIVE MEASURES IF SUBSURFACE CONDITIONS AFFECTING THE SITE ARE DISCOVERED.
14. ANY ATTEMPTS TO ESTIMATE COSTS ASSOCIATED WITH ROCK HANDLING/REMOVAL AND/OR SUBSURFACE CONDITIONS MUST BE BASED ON GEOTECHNICAL REPORTS AND RECOMMENDATIONS. GEOTECHNICAL REPORTS MAY INCLUDE INFORMATION PERTINENT TO THE DEVELOPMENT OF THE SITE WHICH IS NOT INCLUDED ON THE PLANS. THE CONTRACTOR MUST CONSULT ANY EXISTING GEOTECHNICAL AND OTHER CONSULTANTS' REPORTS IN CONJUNCTION WITH THIS SET OF PLANS.
15. PLACEMENT OF ANY WORK SUCH AS CURB, GUTTER, SIDEWALK, DRIVEWAY AFFRONS, ETC. SHALL BE COMMENCED ONLY AFTER THE INSTALLATION OF ALL UTILITIES INCLUDING GAS LINES, ELECTRICAL LINES, STREET LIGHT CONDUITS, TELEVISION CABLE, WATER AND SEWER LINES AND ROOF DRAINS, ETC., ARE IN PLACE.
16. SAFE AND LEGAL DISPOSAL OF DEMOLISHED ITEMS IS THE CONTRACTOR'S RESPONSIBILITY.

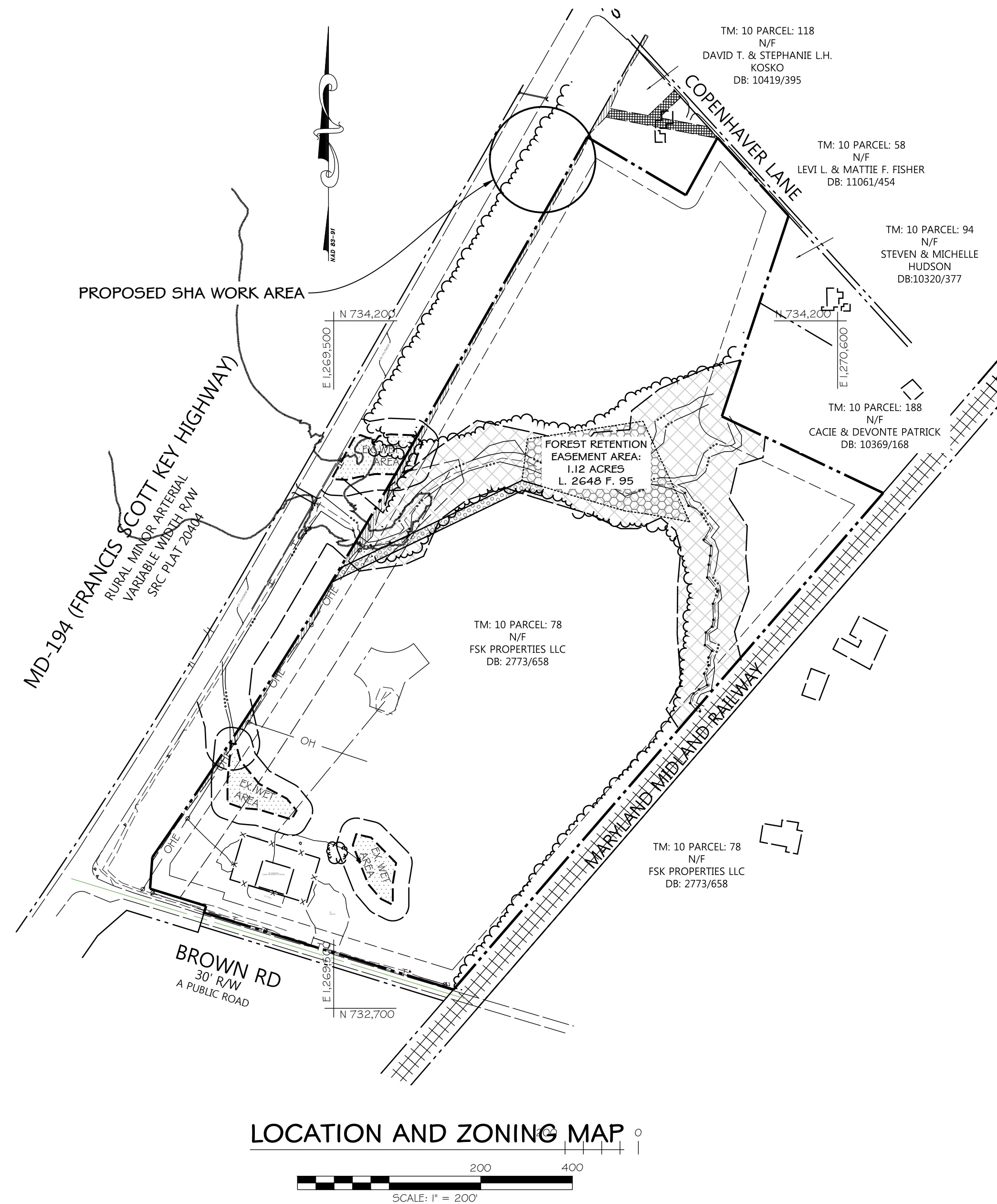
SHA STANDARD DETAILS

- THE FOLLOWING STANDARDS (CONSTRUCTION AND TEMPORARY TRAFFIC CONTROL) ARE REQUIRED FOR THIS PROJECT:
- A. MD 104.01-28 - STAGED ROADWAY CONSTRUCTION
 - B. MD 104.02-02 - SHOULDER WORK/2-LANE/2-WAY EQUAL/LESS THAN 40 MPH
 - C. MD 104.02-10 - FLAGGING OPERATION/2-LANE, 2-WAY EQUAL/LESS THAN 40 MPH
 - D. MD 104.06-12 - PAVEMENT EDGE DROP-OFF GREATER THAN 2.5 INCHES OR LESS (BETWEEN TRAFFIC LANES AND SHOULDER).
 - E. MD 104.06-13 - PAVEMENT EDGE DROP-OFF GREATER THAN 2.5 INCHES BUT EQUAL TO OR LESS THAN 5 INCHES (BETWEEN TRAFFIC LANES AND SHOULDER).
 - F. MD 104.06-14 - PAVEMENT EDGE DROP-OFF, GREATER THAN 5 INCHES WITHOUT ADJACENT LANE CLOSURE.

FOR ALL STANDARDS REFERRED TO ON THE PLANS THE CONTRACTOR MUST GO TO THE BOOK OF STANDARDS WHICH WILL HAVE THE MOST CURRENT VERSION. THE BOOK OF STANDARDS CAN BE ACCESSED AT:
<http://apps.roads.maryland.gov/businesswiththeagency/Specs/SpecsManual/5th/Pdf/PublicationsOnline/BookStandardsIndex.asp>

ALL ITEMS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT VERSION OF THE REFERENCED STANDARD AT THE TIME OF CONSTRUCTION.

ENTRANCE IMPROVEMENT PLANS FOR BROWN ROAD SOLAR AT #4000 BROWN ROAD, TANEYTOWN MD 2 LANE UNDIVIDED POSTED SPEED: 55 MPH COMMISSIONER DISTRICT No. 1 ELECTION DISTRICT No. 01-002 CARROLL COUNTY, MARYLAND SHA TRACKING NO. 24APCLOI3XX



SHEET INDEX	
TITLE	SHEET No.
SHA COVER SHEET	12
SHA ENTRANCE & CULVERT PLAN & PROFILE	13
SHA CULVERT DRAINAGE AREA MAP	14

EXISTING	DESCRIPTION	PROPOSED
---	PROPERTY LINE	---
---	RIGHT OF WAY LINE	---
---	EASEMENT LINE	---
---	100 YR FLOOD PLAIN	---
EX 15" SD	STORM DRAIN # MH	PROP 15" SD
EX 8" S	SEWER LINE # MH	PROP 8" S
EX C.O.	SEWER CLEANOUT	C.O.
EX 8" W	WATER LINE # MH	PROP 8" W
EX WM	WATER METER	WM
EX WV	WATER VALVE	WV
EX F.H.	FIRE HYDRANT	F.H.
EX FDC	FIRE DEPT. CONNECTION	FDC
G	GAS LINE	G
OHE	OVERHEAD ELECT. LINE	OHE
UGE	UNDERGROUND ELECT. LINE	UGE
UT	UNDERGROUND TELEPHONE	UT
CATV	CABLE T.V.	CATV
U	UTILITY POLE	U
SIGN	SIGN	SIGN
---	CURB & GUTTER	---
---	CONTOUR LINE	---
---	SPOT ELEVATION	---
---	TO BE REMOVED	---
---	PROPOSED CONCRETE	---
---	PROPOSED ASPHALT	---
---	PROPOSED GRAVEL ROAD	---
---	PROPOSED EMERGENCY ACCESS LANE	---
---	LANDSCAPE BUFFER PLANTINGS	---
---	WATER RESOURCE PROTECTION AND FLOODPLAIN AREA EASEMENT	---
---	AGRICULTURAL FENCE	---
---	SOIL BORING	---
---	BENCHMARK	---

MD SHA PAVEMENT AND STORM DRAIN NOTES

1. THE CONTRACTOR MUST NOTIFY THE PERMIT INSPECTOR WITH STATE HIGHWAY ADMINISTRATION (SHA) 301-624-8115 48 HOURS BEFORE THE COMMENCEMENT OF WORK AND PRIOR TO EACH SUCCESSIVE STAGE OF WORK.
2. THE PERSONNEL ON THE JOB SITE PERFORMING THE CONSTRUCTION MUST HAVE A COPY OF SHA'S APPROVED PERMIT AND PLANS AT ALL TIMES AND THEY MUST HAVE FULL KNOWLEDGE OF THE CONTENTS OF THE PERMIT. THE SHA PERMIT INSPECTOR SHALL HAVE THE OPTION OF CLOSING DOWN PROJECTS WHERE THE JOB SITE PERSONNEL DO NOT HAVE A COPY OF THE APPROVED PERMIT AND PLANS AND/OR ARE NOT COMPLYING WITH THE CONTENTS OF THE PERMIT AND PLANS.
3. DEVIATIONS AND/OR ADJUSTMENTS MAY BE REQUIRED AT THE TIME OF CONSTRUCTION IN ACCORDANCE WITH THE APPROVAL OF (AND AS DIRECTED BY) THE SHA PERMIT INSPECTOR. IF, IN THE SHA'S SOLE JUDGEMENT, THE DEVIATIONS AND/OR ADJUSTMENTS ARE SUBSTANTIAL ENOUGH TO WARRANT FORMAL REVISIONS, SUCH REVISIONS SHALL BE MADE BY THE PERMITTEE AND SUBMITTED FOR REVIEW AND APPROVAL BY THE SHA. THE SHA PERMIT INSPECTOR SHALL HAVE THE OPTION OF SUSPENDING WORK ON THE AFFECTED PORTIONS OF THE PERMITTED WORK UNTIL THE REVISIONS HAVE BEEN APPROVED AND AN ADDENDUM TO THE PERMIT HAS BEEN ISSUED.
4. ALL CONSTRUCTION METHODS AND MATERIALS USED SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE M.S.H.A. STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, LATEST EDITION, INCLUDING ALL SUPPLEMENTS, REVISIONS AND ADDENDA.
5. ELEVATIONS ON PLAN ARE EDGE OF PAVEMENT UNLESS NOTED OTHERWISE.
6. FIELD ADJUSTMENTS SHALL BE MADE AS NECESSARY TO PROVIDE A SMOOTH TRANSITION BOTH VERTICALLY AND HORIZONTALLY FROM EXISTING TO PROPOSED PAVING SECTIONS.
7. GUTTERS AND PAVING SHALL BE INSTALLED IN SUCH A MANNER AS TO ENSURE POSITIVE DRAINAGE.
8. WHERE ANY PART OF A STORM DRAIN SYSTEM IS LOCATED IN FILL SECTION PROVIDE SELECT FILL MATERIAL COMPACTED TO 95% AASHTO-I80 DENSITY FROM APPROVED SUBGRADE UP TO STRUCTURE BOTTOM SLABS AND/OR PIPE BEDDING.
9. GRADE ALL DISTURBED AREAS TO MAINTAIN POSITIVE DRAINAGE.

PAVEMENT NOTES

1. SUBGRADE PREPARATION:
 - A. FILL AREAS TO BE PAVED SHALL HAVE SOIL PLACED IN 8" LIFTS AND MATERIAL 1 FT BELOW THE TOP OF SUBGRADE SHALL BE COMPACTED TO NOT LESS THAN 92% OF MAXIMUM DRY DENSITY. MATERIALS IN THE TOP 1 FT SHALL BE COMPACTED TO NOT LESS THAN 97% OF MAXIMUM DRY DENSITY. MAXIMUM DRY DENSITY SHALL BE DETERMINED IN ACCORDANCE WITH AASHTO T-180.
 - B. AFTER THE SUBGRADE HAS BEEN FINALLY SHAPED TO THE SPECIFIED CROSS SECTION, IT SHALL BE CAREFULLY AND THOROUGHLY PROOF ROLLED WITH A 20-TON ROLLER OR EQUIVALENT TO DETERMINE SOFT OR UNSUITABLE AREAS, PRIOR TO PAVING.
 - C. NO PAVEMENT SHALL BE PLACED ON FROZEN SUBGRADES OR ON SUBGRADES THAT WILL NOT ADEQUATELY SUPPORT THE PAVEMENT.
 - D. IF ROCK IS ENCOUNTERED IN THE SUBGRADE, REMOVE AN ADDITIONAL 6 INCHES (6") BELOW SUBGRADE AND BACKFILL WITH SUITABLE MATERIAL TO THE REQUIREMENTS OF ITEM "A" ABOVE.
2. WHERE PROPOSED PAVEMENT AND/OR CURB AND GUTTER IS INDICATED TO ABUT EXISTING PAVEMENT, THE EXISTING PAVEMENT EDGE SHALL BE SAWCUT AND TACK COATED TO ENSURE PROPER BONDING WITH THE CONSTRUCTION. ALL EXISTING SIDEWALK, CURB AND GUTTER TO BE REMOVED SHALL BE REMOVED TO THE NEAREST JOINT. PROPOSED PAVEMENT, SIDEWALK, CURB AND GUTTER SHALL MATCH EXISTING BOTH HORIZONTALLY AND VERTICALLY PROVIDING A SMOOTH TRANSITION.

OWNER'S CERTIFICATION

I/We hereby certify that all proposed work shown on these construction drawing(s) has been reviewed by me/us and that I/we fully understand what is necessary to accomplish this work and that the work will be conducted in strict accordance with these plans. I/We also understand that any changes to these plans will require an amended plan to be reviewed and approved by the Carroll County Planning and Zoning Commission before any change in the work is made.

Name(s) Printed/Date

Signed/Date

OWNER/DEVELOPER

I certify that this plan of Soil Erosion & Sediment Control will be implemented to the fullest extent, and all structures will be installed to the design and specifications as spelled out in this plan and that any responsible personnel involved in construction of this project will have a certification of attendance at a Department of the Environment approved training program for the control of soil erosion and sediment before beginning the project. I also authorize periodic on-site evaluation by the Carroll Soil Conservation District personnel and cooperating agencies.

Developer _____ Date _____

Printed Name of Developer _____

Developer Company Name _____

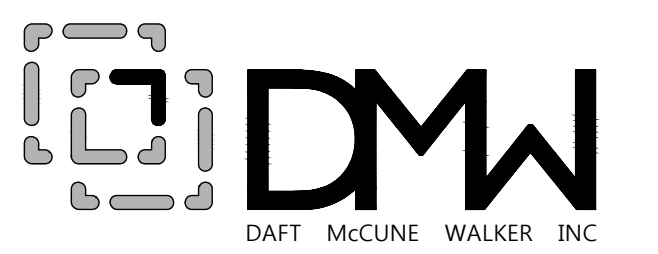
585-615-5765

Developer Phone Number _____

ENGINEER

I certify that this plan of Sediment Control is designed with my personal knowledge of the site condition and has been designed to the Standards and Specifications adopted by the Carroll Soil Conservation District.

Engineer/Date




920 N. EAST STREET FREDERICK, MD 21701
P: 301 696 9040 WWW.DMW.COM

SHA COVER SHEET

ENTRANCE IMPROVEMENT PLANS

for
BROWN ROAD SOLAR
CARROLL COUNTY MD
SHA TRACKING NO. 24APCLOI3XX

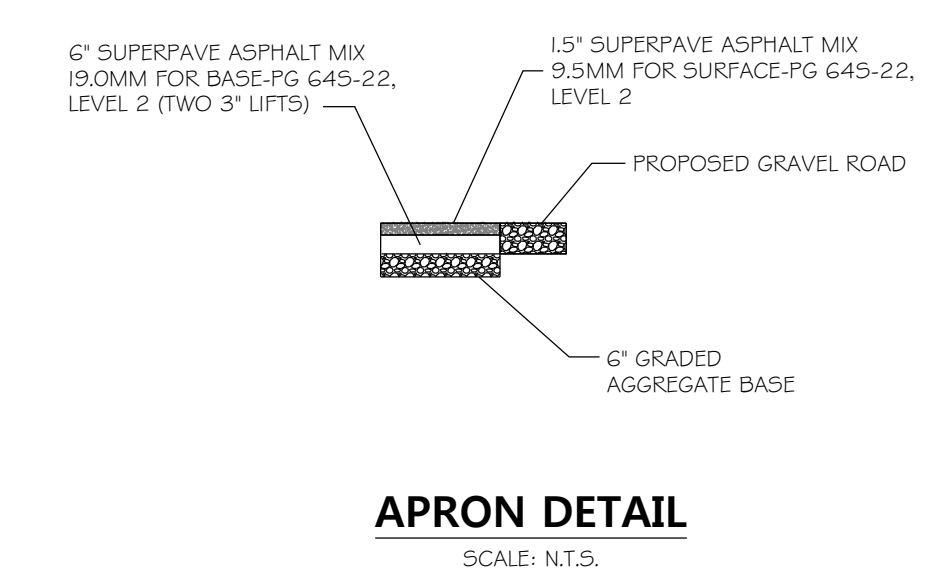
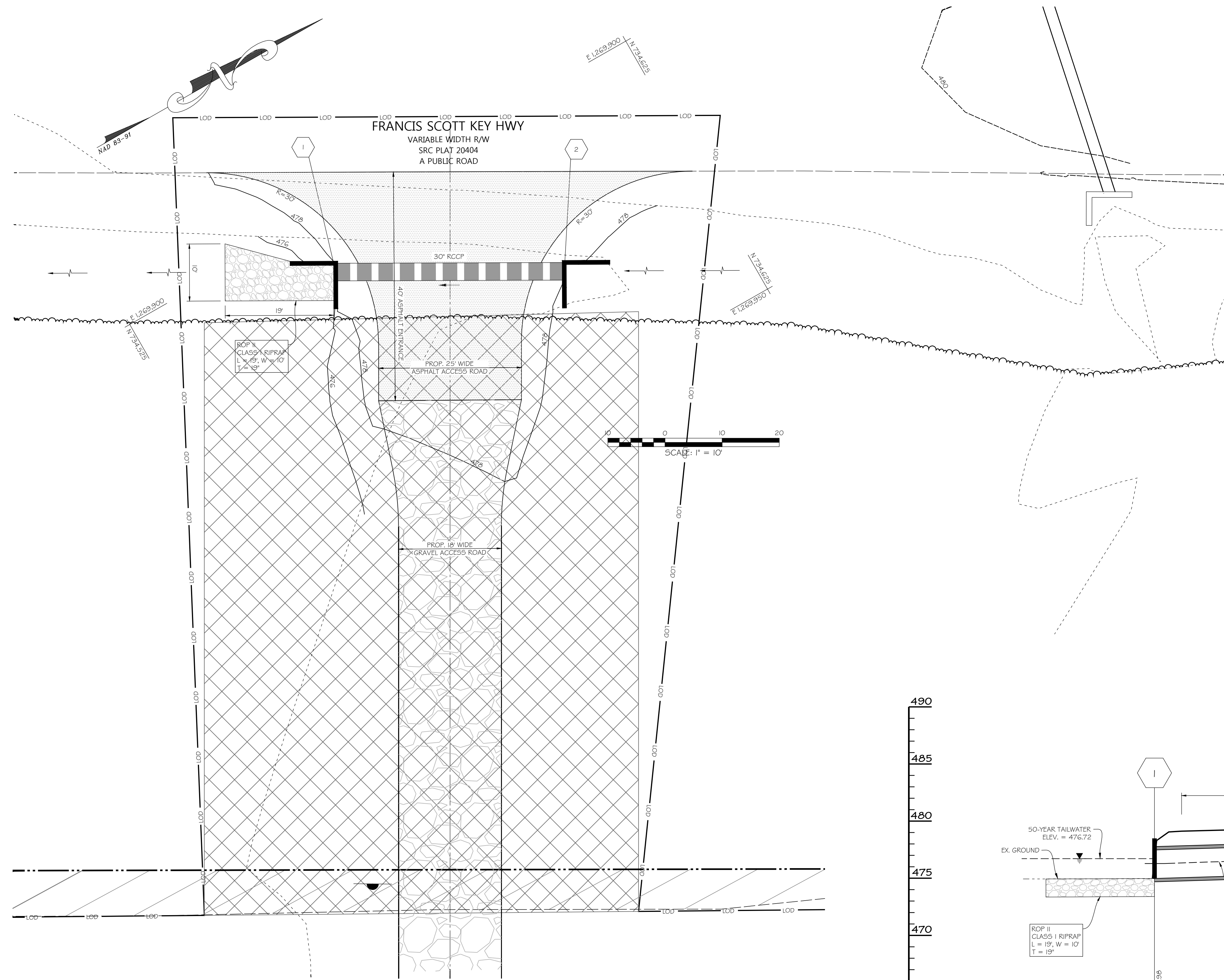
DATE	BY	REVISIONS

<p>SEAL</p>  <p>03/20/2026</p>	<p>INITIAL SUB: 03/20/2026</p> <p>SCALE: AS SHOWN</p> <p>DRAWN: JNS</p> <p>DESIGNED: JHV</p> <p>CHECKED BY: DSM</p> <p>PROJECT NO.: 23711</p> <p>DRAWING: 12 of 14</p>
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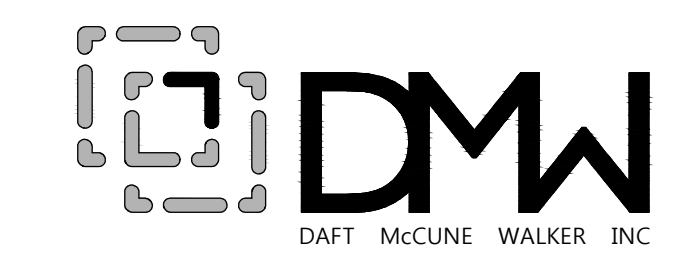
CARROLL COUNTY FILE NO. 5-26-0020

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STORM STRUCTURE SCHEDULE					
NO.	TYPE	INV. IN	INV. OUT	TOP ELEV.	REMARKS
1	TYPE C ENDWALL	474.98		478.48	MSHA STD. NO. MD 356.01
2	TYPE C ENDWALL		475.58	479.08	MSHA STD. NO. MD 356.01



PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED
OR APPROVED BY ME, AND THAT I AM A DULY LICENSED
PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF
MARYLAND, LICENSE NO. 42,429, EXPIRATION DATE: 06-06-2024



920 N. EAST STREET FREDERICK, MD 21701
P: 301 696 9040 WWW.DMW.COM

**SHA ENTRANCE & CULVERT
PLAN & PROFILE**

**ENTRANCE
IMPROVEMENT PLANS**
for
BROWN ROAD SOLAR
CARROLL COUNTY MD
SHA TRACKING NO. 24APCLO13XX

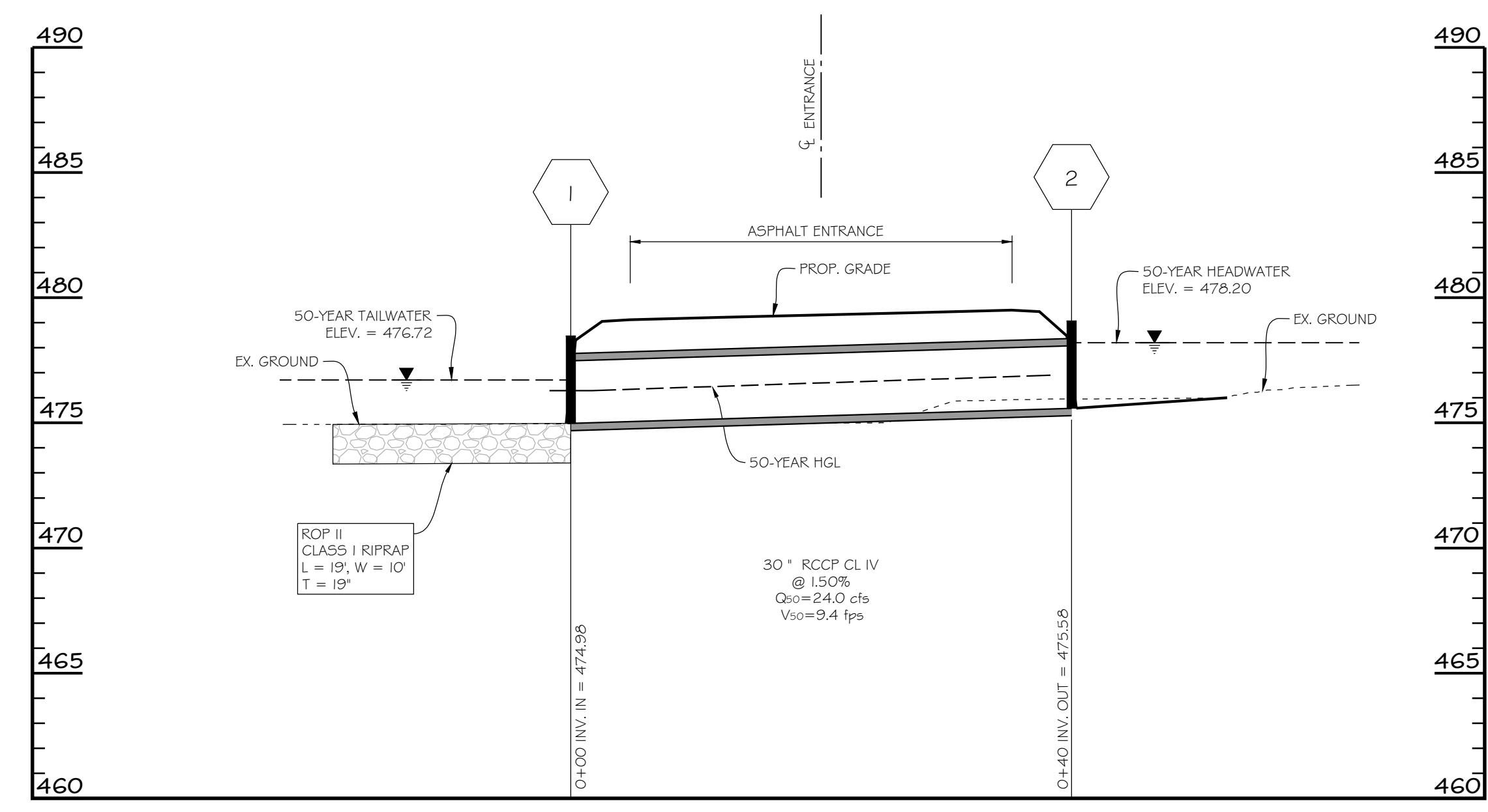
OWNER
F.S.K. PROPERTIES, LLC
2217 RIDGE ROAD
WESTMINSTER, MD 21157-7452
443-929-6827

DEVELOPER
4000 BROWN ROAD, LLC
c/o PIVOT ENERGY - JOHN SHIELDS
6865 DEERPATH ROAD
ELK RIDGE, MD 21075
585-615-5765

DATE	BY	REVISIONS

SEAL: [Professional Engineer Seal]

INITIAL SUB: 03/20/2026
SCALE: 1" = 10'
DRAWN: JNS
DESIGNED: JHV
CHECKED BY: DSM
PROJECT NO.: 23711
DRAWING: 13 of 14



STORM DRAIN PROFILE
SCALE: HOR. 1" = 10'
VERT. 1" = 5'

V:\23711-BROWN RD SOLAR\ENR\CAD\FILES\SHEET FILES\23711_CONCEPT PLAN.DWG, 3/20/2026, 4:48 PM (jnhp)

