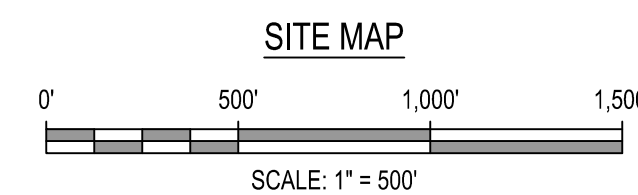
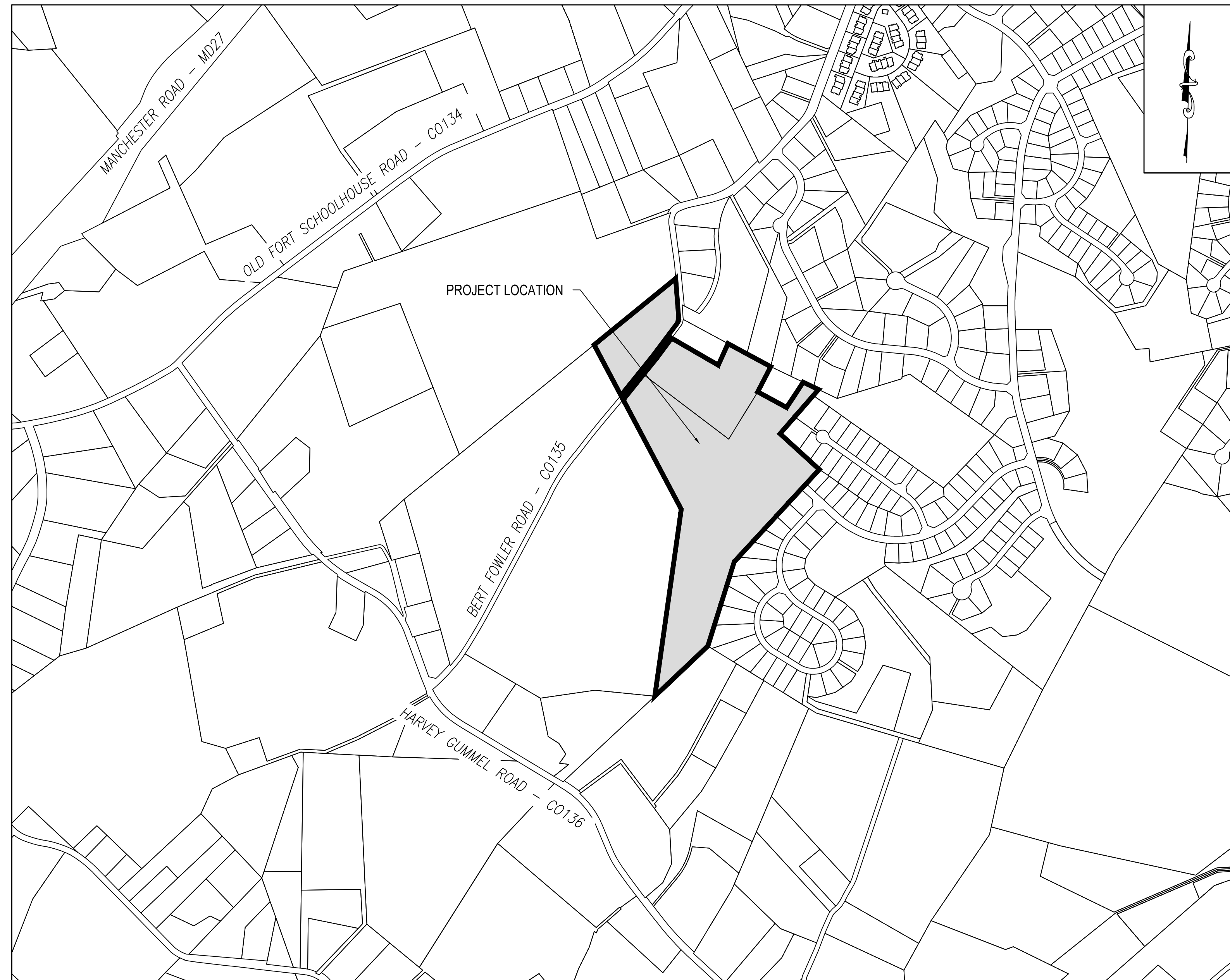


CONCEPTUAL PLAN FOR ARENA ASTER SOLAR LLC

T.P. # MAP 0032, GRID 0004, PARCEL 0540
HAMPSTEAD, SIXTH DISTRICT, CARROLL COUNTY, STATE OF MARYLAND

EXISTING USE: AGRICULTURAL FIELD
PROPOSED USE: SOLAR FARM



LOCATION MAP SCALE: 1" = 2000'

DATA COLUMN

1. TAX PARCEL NUMBER:	MAP 0032, GRID 0004, PARCEL 0029	MAP 0032, GRID 0004, PARCEL 0540
2. SITE ADDRESS:	BERT FOWLER ROAD HAMPSTEAD, MD 21074	BERT FOWLER ROAD HAMPSTEAD, MD 21074
3. ZONING:	AGRICULTURAL	AGRICULTURAL
4. PARCEL AREA:	36.47± ACRES (SDAT PROPERTY DATA)	6.67± ACRES (SDAT PROPERTY DATA)
5. PROJECT/DEVELOPMENT AREA:	15.87± ACRES	5.33± ACRES
6. SOURCE OF TITLE:	D.B. 8724-543	D.B.8724-556
7. EXISTING USE:	AGRICULTURAL	AGRICULTURAL
8. PROPOSED USE:	AGRICULTURAL/SOLAR FARM	SOLAR FARM
9. DATUM:	BENCHMARK: CAPPED REBAR (SEE SHEET C102) VERT.: NAVD83 HORZ.: MGS NAD83	
10. SETBACKS/BUFFERS:	STRUCTURE (FROM #)	SOLAR FARM (FROM #)
	FRONT: 40'	100'
	SIDE: 30'	100'
	REAR: 50'	100'
ANY ADJONER RESIDENTIAL STRUCTURE HAS A 150' BUFFER FROM THE EXTERIOR STRUCTURE WALL.		
11. FLOOD PLAN MAP:	PER FEMA MAP NUMBER 24013C0094D, DATED OCTOBER 2, 2015, THE PROJECT LIMITS LIES WITHIN ZONE X, AREAS TO BE DETERMINED TO BE OUTSIDE OF 0.2% ANNUAL CHANCE FLOODPLAIN.	
12. PURPOSE OF PLAN:	THE PURPOSE OF THIS PLAN IS TO SHOW A PROPOSED SOLAR FARM AND ASSOCIATED IMPROVEMENTS AS SHOWN ON THE PLAN.	
13. DEBRIS DISPOSAL:	NO DEBRIS SHALL BE BURIED ON SITE. ANY BURIED DEBRIS ENCOUNTERED SHALL BE REMOVED AND DISPOSED OF AT AN APPROVED FACILITY.	
14. TOPOGRAPHY:	TOPOGRAPHIC SURVEY DATA SHOWN HEREON WAS PERFORMED BY WALLACE MONTGOMERY, LLP, APRIL 2026.	
15. BOUNDARY SURVEY:	A BOUNDARY SURVEY SHOWN HEREON TAKEN FROM MARYLAND GIS DATA. WALLACE MONTGOMERY TAKES NO RESPONSIBILITY FOR DISCREPANCIES RELATED TO THE BOUNDARY.	
16. WETLANDS:	A WETLAND INVESTIGATION WAS PERFORMED BY ECS ON DECEMBER 10, 2025 AND NO WETLANDS WERE OBSERVED WITHIN PROJECT AREA.	
17. WATER SUPPLY:	NEAREST PUBLIC WATER SUPPLY FOR FIRE PROTECTION IS AN EXISTING HYDRANT ON BERT FOWLER ROAD, 0.4 MILES NORTH EAST OF SITE.	
18. LIMITS OF DISTURBANCE:	THE TOTAL LIMITS OF DISTURBANCE (LOD) IS 21.75 ACRES.	
19. OWNER (PARCELS 0029 & 0540):	FLEMING FARM PROPERTIES, LLC 3801 MOUNT CARMEL ROAD LIPPERICO, MD 21155 BOB FLEMING 410-596-5688	
20. DEVELOPER:	ARENA ASTER SOLAR LLC 650 MASSACHUSETTS AVE. NW SUITE 600 WASHINGTON, DC 20001 GEORGE WOHLGEMUTH 202-841-4914 GWOHLGEMUTH@ARENARENEW.COM	
21. ENGINEER:	WALLACE MONTGOMERY, LLP 222 S. DUPONT HIGHWAY SUITE 202 DOVER, DE 19901 ALEXANDER SCHMIDT, P.E. 302-257-3100 ASCHMIDT@WALLACEMONTGOMERY.COM	

SUBDIVISION NOTE

PORTION OF LAND WEST OF BERT FOWLER ROAD IS TO BE SUBDIVIDED OUT OF OF MAP 0032, GRID 0004, PARCEL 0029.

WATER RESOURCE IMPACT NOTES

WATER RESOURCE MANAGEMENT AREAS
THIS SITE IS LOCATED WITHIN AN AQUIFER PROTECTION AREA AND A SURFACE WATERSHED AREA.

TIER II WATERS
THIS SITE IS LOCATED WITHIN THE NORTH BRANCH OF THE PATAPSCO RIVER WATERSHED, A TIER II WATERSHED WITH NO ASSIMILATIVE CAPACITY REMAINING.

WELLHEADS/BUFFERS
NO WELLHEADS OR WELLHEAD BUFFERS EXIST WITHIN THE PROJECT LIMITS.

INDEX OF SHEETS

0100-TTL	COVER SHEET
0101-TTL	LEGEND
0400-STE	OVERALL INDEX PLAN
0200-EXT	EXISTING CONDITIONS PLAN
0201-EXT	EXISTING CONDITIONS PLAN
0500-DET	CONCEPTUAL SITE PLAN
0501-DET	CONCEPTUAL SITE PLAN
0502-DET	CONSTRUCTION DETAILS & SIGHT DISTANCE TRIANGLES
1300-LSC	LANDSCAPE PLAN
1301-LSC	LANDSCAPE SCHEDULE
1302-LSC	LANDSCAPE DETAILS



WALLACE
MONTGOMERY
222 S. DUPONT HIGHWAY | SUITE 202 | DOVER, DE 19901 | 302-257-3100

REVISIONS/ADDENDUMS

SEAL

ARENA ASTER SOLAR LLC
FOR
ARENA ASTER SOLAR, LLC
MAP 0032, GRID 0004, PARCEL 0540
HAMPSTEAD, SIXTH DISTRICT, CARROLL COUNTY, STATE OF MARYLAND
EXISTING USE: AGRICULTURAL FIELD PROPOSED USE: SOLAR FARM

PROJECT

SHEET TITLE

COVER SHEET

AGENCY
SUBMISSION

JUNE 18, 2026

DRAWN: CHK'D/DESIGNER

DLD/FRM AES/DLD/FRM

SCALE SHEET NO.

1" = 500'

PROJECT NO. 0100-TTL

PROJECT NO. 226001.0001

COUNTY FILE NO. S-26-0051

MANMADE ROADSIDE FEATURES			
FEATURE DESCRIPTION	EXISTING	PROPOSED	ID
ASPHALT			
BOLLARD - CONCRETE			
BOLLARD - STEEL POLE			
BOLLARD - WOOD POST			
CURB	TYPE 1-8 TYPE 1-6 TYPE 1-4 TYPE 1-2 TYPE 2		(C XXX)
CURB & GUTTER	TYPE 1-8 TYPE 1-6 TYPE 1-4 TYPE 1-2 TYPE 3-8 TYPE 3-6 TYPE 3-4 TYPE 3-2		
FENCE - CHAINLINK			
FENCE - STOCKADE OR SPLIT RAIL			
FLAG POLE			
GUARDRAIL			
LAMP/LIGHT AND POST			
MAILBOX			
PILLAR OR MISCELLANEOUS POST			
SIGN AND POST			

DRAINAGE FEATURES			
FEATURE DESCRIPTION	EXISTING	PROPOSED	ID
DITCH OR STREAM CENTERLINE			
DIRECTIONAL STREAM FLOW ARROW			
DRAINAGE INLET			(DI XXX)
DRAINAGE JUNCTION BOX			(JB XXX)
DRAINAGE MANHOLE			(DMH XXX)
DRAINAGE PIPE AND FLOW ARROW	SIZE TYPE 		(P XXX)
FLARED END SECTION			(FES XXX)
RIPRAP			(RR XXX)
SAFETY END SECTION			(SES XXX)
UNDERDRAN			(UD XXX)
UNDERDRAN OUTLET			(UDO XXX)

GRADING		
FEATURE DESCRIPTION	EXISTING	PROPOSED
CONTOUR		
SPOT ELEVATIONS	X XX.XX	XX.XX
COMBINED SPOT ELEVATION LABEL		

EXISTING SLOPES	
15% to 25%	
OVER 25%	

UTILITY FEATURES		
FEATURE DESCRIPTION	EXISTING	PROPOSED
CABLE TV DISTRIBUTION BOX		
COMMUNICATIONS - UNDERGROUND	UG-C	UG-C
ELECTRIC - UNDERGROUND	UG-E	UG-E
ELECTRIC MANHOLE		
ELECTRIC METER		
ELECTRIC TRANSFORMER/BOX/CABINET	E.T. E.B. E.C.	E.T. E.B. E.C.
GAS - UNDERGROUND	UG-G	UG-G
GAS MANHOLE		
GAS METER	G.M.	G.M.
GAS VALVE	G.V.	G.V.
GAS PUMP - SERVICE STATION	G.P.	G.P.
IRRIGATION - UNDERGROUND	IR-IR	IR-IR
ITMS - UNDERGROUND	ITMS	ITMS
KNOX BOX		
LIGHTING - UNDERGROUND	LI-LI	LI-LI
LUMINAIRE - POLE MOUNTED		
MANHOLE - UNDETERMINED OWNER		
RAILROAD TRACKS		
SANITARY - UNDERGROUND (SEE GENERAL NOTE 2)	SS-X	SS-X
SANITARY SEWER MANHOLE		
SANITARY SEWER VALVE	S.V.	S.V.
SANITARY SEWER CLEANOUT OR VENT		
SEPTIC DRAIN FIELD	S.D.F.	
SIGNALIZATION - UNDERGROUND	SIG	SIG
SOIL BORING LOCATION		
TELEPHONE BOOTH		
TELEPHONE MANHOLE		
TELEPHONE TEST POINT		
TRAFFIC - CONDUIT JUNCTION WELL	J.W.	J.W.
TRAFFIC - LIGHT POLE AND BASE		
TRAFFIC - PEDESTRIAN POLE & BASE		
TRAFFIC - SIGNAL CABINET & BASE		
TRAFFIC - SIGNAL POLE AND BASE		
UNKNOWN UTILITY - UNDERGROUND	UG-UK	UG-UK
UTILITY BOX		
UTILITY POLE GUY WIRE ANCHOR		
UTILITY POLE		
UTILITY TEST HOLE LOCATION		
WALL PACK - LIGHTING		
WATER - UNDERGROUND (SEE GENERAL NOTE 2)	W-X	W-X
WATER - FIRE HYDRANT		
WATER METER	W.M.	W.M.
WATER VALVE	W.V.	W.V.
WATER - FIRE DEPARTMENT CONNECTION	F.D.C.	F.D.C.
WELL HEAD	WELL	WELL

PAVEMENT SECTION(S)	
MILL AND OVERLAY - SEE TYPICAL SECTIONS FOR MATERIAL AND DEPTHS	
FULL DEPTH PAVEMENT	
SHARED USE PATH	
GRAVEL	
CONCRETE	

NATURAL ROADSIDE FEATURES		
FEATURE DESCRIPTION	EXISTING	PROPOSED
HEDGEROW OR THICKET		
MARSH BOUNDARY LINE		
TREE - CONIFEROUS		
TREE - DECIDUOUS		
TREE STUMP		
SHRUBBERY		
WETLAND BOUNDARY - DELINEATED		
WOODS LINE BOUNDARY		
FLOODPLAIN (SEE GENERAL NOTE 2)	FP-XX	FP-XX

RIGHT-OF-WAY FEATURES		
FEATURE DESCRIPTION	EXISTING	PROPOSED
ADJOINER PROPERTY LINE		
DENAL OF ACCESS	DA	DA
EASEMENT - OTHERS		
PERMANENT EASEMENT	PE	PE
PROPERTY LINE		
PROPERTY MARKER - CONCRETE	CM	C.M.
PROPERTY MARKER - IRON PIPE	I.P.	I.P.
RIGHT-OF-WAY BASELINE	100+00	100+00
RIGHT-OF-WAY LINE	RW	RW
RIGHT-OF-WAY & DENIAL OF ACCESS	R/W-DA	R/W-DA
RIGHT-TO-ENTER		
TEMPORARY CONSTRUCTION EASEMENT		
CLEAR ZONE		
HORIZONTAL CLEARANCE		

SURVEY CONTROL & MONUMENTATION	
FEATURE DESCRIPTION	EXISTING
SURVEY BENCHMARK LOCATION	B.M.
SURVEY TIE POINT LOCATION	T.P.
SURVEY TRAVERSE POINT	

MISCELLANEOUS FEATURES	
FEATURE DESCRIPTION	PROPOSED
BUTT JOINT	
CLEAR ZONE	CZ
CONSTRUCTION BASELINE	100+00
LIMIT OF CONSTRUCTION	LOC
DEMOLITION	
P.C.C. SIDEWALK	
6" P.C.C. SIDEWALK	
PAVEMENT PATCH	
ACCESSIBLE RAMP	
SAW CUT	SAW
ZONING LINE	ZONE

EROSION & SEDIMENT CONTROL FEATURES	
FEATURE DESCRIPTION	PROPOSED
LIMIT OF DISTURBANCE	LOD-LOC
PORTABLE SEDIMENT TANK	ST
PUMPING PIT	PP-2
SILT FENCE	SF
COMPOST FILTER LOG	CFL
SENSITIVE AREA PROTECTION	SAP

IDENTIFIERS	
FEATURE DESCRIPTION	ID
ABANDON BY CONTRACTOR	(AB C)
ABANDON BY OTHERS	(AB O)
ADJUST BY CONTRACTOR	(A C)
ADJUST BY OTHERS	(A O)
BEST MANAGEMENT PRACTICE	(BMP XX)
BUS STOP PAD / TYPE	(BSP XX)
BUS STOP WITH SHELTER PAD / TYPE	(BSSP XX)
CONCRETE SAFETY BARRIER	(B XX)
CONVERT TO JUNCTION BOX	(CJB XX)
CONVERT TO DRAINAGE MANHOLE	(CDM XX)
DO NOT DISTURB	(DND)
ENERGY DISSIPATOR	(ED XX)
FILL WITH FLOWABLE FILL	(FF C)
LANDSCAPE PLANTINGS	(LS XX)
PEDESTRIAN CONNECTION / TYPE	(PC XX)
RELOCATE BY CONTRACTOR	(RL C)
RELOCATE BY OTHERS	(RL O)
RELOCATE BY PROPERTY OWNER	(RL PO)
REMOVE BY CONTRACTOR	(RM C)
REMOVE BY OTHERS	(RM O)
REMOVE BY TRAFFIC CONTRACTOR	(RM TC)
RIGHT-OF-WAY MONUMENT	(RM XX)

ABBREVIATION SCHEDULE	
ABBREVIATION	DEFINITION
ADA	AMERICANS WITH DISABILITIES ACT
ALLOW.	ALLOWABLE
ASD	ALLOWABLE STRESS DESIGN
ALUM	ALUMINUM
BL	BASE LINE
BOTT	BOTTOM
BRG	BEARING
CAP	CAPACITY
CJ	CONTROL JOINT
CL	CENTER LINE
CLR	CLEAR
CONC	CONCRETE
CONN	CONNECTION
CORR	CORROGATED
CSJ	CONSTRUCTION JOINT
DFM	DIVISION OF FACILITIES MANAGEMENT
DIAG	DIAGONAL
DL	DEAD LOAD
DNREC	DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL
DOL	DEPARTMENT OF LABOR
DOT	DEPARTMENT OF TRANSPORTATION
E.F.	EACH FACE
EL., ELEV	ELEVATION
EQU.	EQUAL
EX., EXIST.	EXISTING
F.F.	FAR FACE
F.C.	COMPRESSIVE STRENGTH OF CONCRETE
FIN. FL.	FINISHED FLOOR
FIN. GR.	FINISHED GRADE
FND	FOUNDATION
FTG	FOOTING
Fy	YIELD STRENGTH OF STEEL
GABC	GRADED AGGREGATE BASE COURSE
GALV	GALVANIZED
HORIZ	HORIZONTAL
HT	JOINT
KSI	KIPS PER SQUARE INCH
LL	LIVE LOAD
LLV	LONG LEG VERTICAL
LLH	LONG LEG HORIZONTAL
LLBB	LONG LEG BACK TO BACK
LOC	LIMIT OF CONSTRUCTION
LOD	LIMIT OF DISTURBANCE
LRFD	LOAD RESISTANCE FACTORED DESIGN
MHW	MEAN HIGH WATER
MTL	METAL
NO	NUMBER
NOM	NOMINAL
N.F.	NEAR FACE
O.C.	ON CENTER
OHW	ORDINARY HIGH WATER
OPP	OPPOSITE
P.L.	PROPERTY LINE
PL	PLATE
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
REBAR	REINFORCING BAR
ROW, RW, R/W	RIGHT OF WAY
SF	SILT FENCE
SIL	SILT
SLBB	SHORT LEG BACK TO BACK
SS	STAINLESS STEEL
STA	STATION
STD	STANDARD
STL	STEEL
STR	STRAIGHT
T&B	TOP AND BOTTOM
TYP	TYPICAL
UHMW	ULTRA HIGH MOLECULAR WEIGHT
UNIF	UNIFORM
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
WSE	WATER SURFACE ELEVATION
WWF	WELDED WIRE FABRIC

NOTE: NOT ALL ABBREVIATIONS INCLUDED IN THESE PLANS

GENERAL NOTE:
1. ALL ITEMS SHOWN MAY NOT BE PRESENT ON ALL SHEETS, OR PART OF THIS PROJECT.
2. REFER TO PLAN SHEET FOR APPROPRIATE DESIGNATION.



REVISIONS/ADDENDUMS

SEAL

ARENA ASTER SOLAR LLC
FOR
ARENA ASTER SOLAR, LLC
MAP 0032, GRID 0004, PARCEL 0540
HAMPSTEAD, SIXTH DISTRICT, CARROLL COUNTY, STATE OF MARYLAND
EXISTING USE: AGRICULTURAL FIELD PROPOSED USE: SOLAR FARM

PROJECT
SHEET TITLE

LEGEND

AGENCY SUBMISSION
JUNE 18, 2026
DRAWN: CHC/D/DESIGNER
DLD/FRM AES/DLD/FRM
SCALE SHEET NO.

N.T.S.
PROJECT NO. 226001.0001
COUNTY FILE NO. 0101-TTL
S-26-0051

SEAL

PROJECT TITLE

ARENA ASTER SOLAR LLC
FOR
ARENA ASTER SOLAR, LLC
MAP 0032, GRID 0004, PARCEL 0540
HAMPSTEAD, SIXTH DISTRICT, CARROLL COUNTY, STATE OF MARYLAND
EXISTING USE: AGRICULTURAL FIELD PROPOSED USE: SOLAR FARM

EXISTING CONDITIONS PLAN

AGENCY SUBMISSION

JUNE 18, 2026

DRAWN: CHK'D/DESIGNER:

DLD/FRM **AES/DLD/FRM**

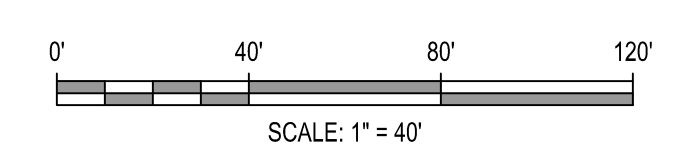
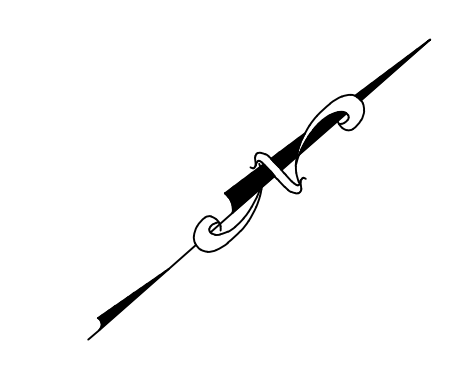
SCALE SHEET NO.

1" = 40'

PROJECT NO. 226001.0001 COUNTY FILE NO. 0201-EXT

S-26-0051

MATCH LINE SEE SHEET C103



SEAL

ARENA ASTER SOLAR LLC
FOR
ARENA ASTER SOLAR, LLC
MAP 0032, GRID 0004, PARCEL 0540
HAMPSTEAD, SIXTH DISTRICT, CARROLL COUNTY, STATE OF MARYLAND
EXISTING USE: AGRICULTURAL FIELD PROPOSED USE: SOLAR FARM

PROJECT
SHEET TITLE

OVERALL INDEX PLAN

AGENCY
SUBMISSION

JUNE 18, 2026

DRAWN CHC/D/DESIGNER

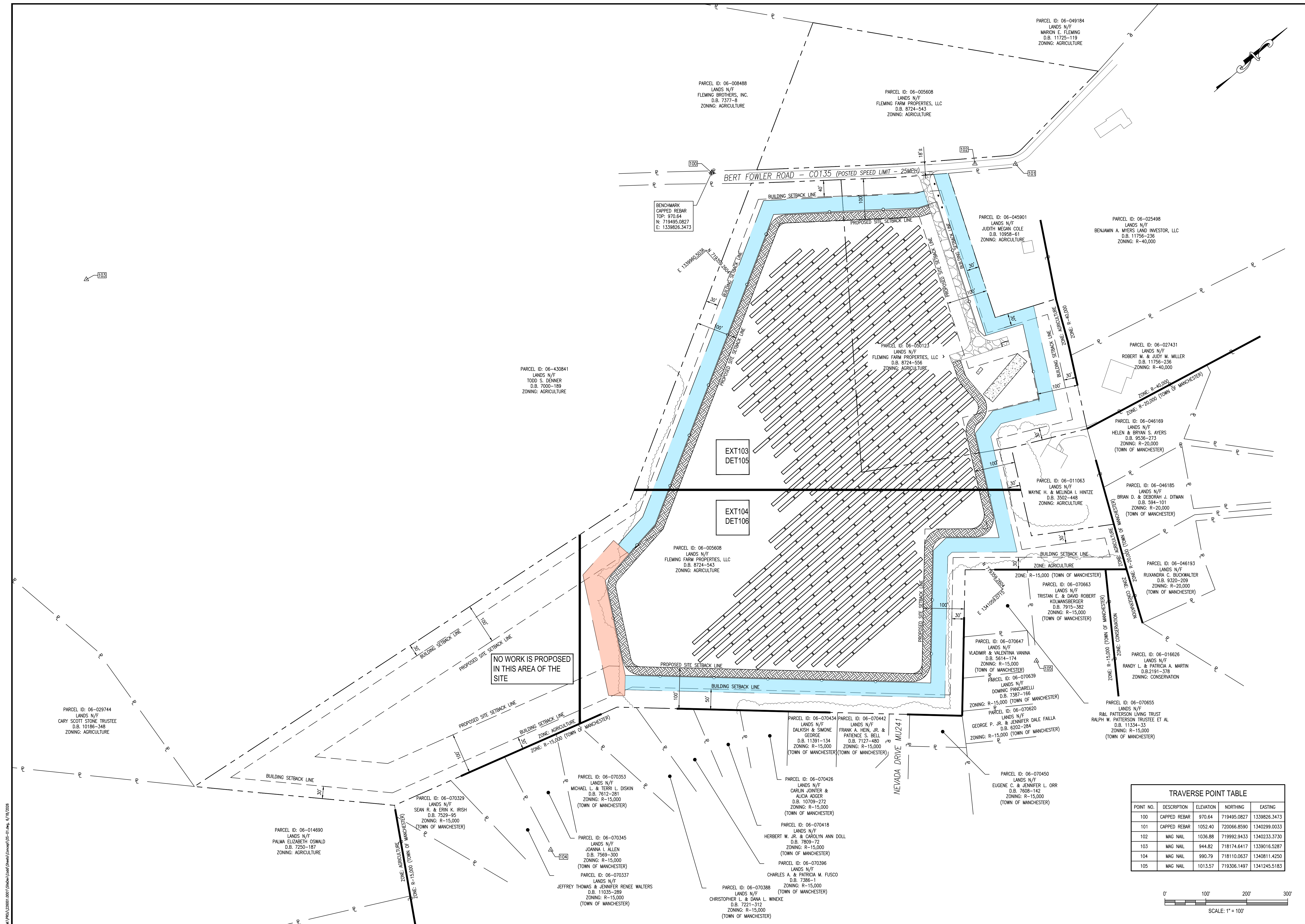
DLD/FRM AES/DLD/FRM
SCALE SHEET NO.

1" = 100'

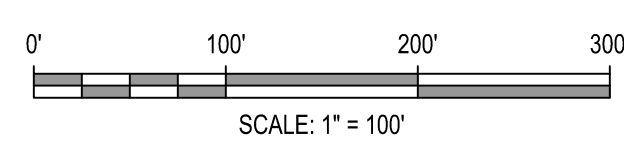
PROJECT NO.
226001.0001

COUNTY FILE NO.

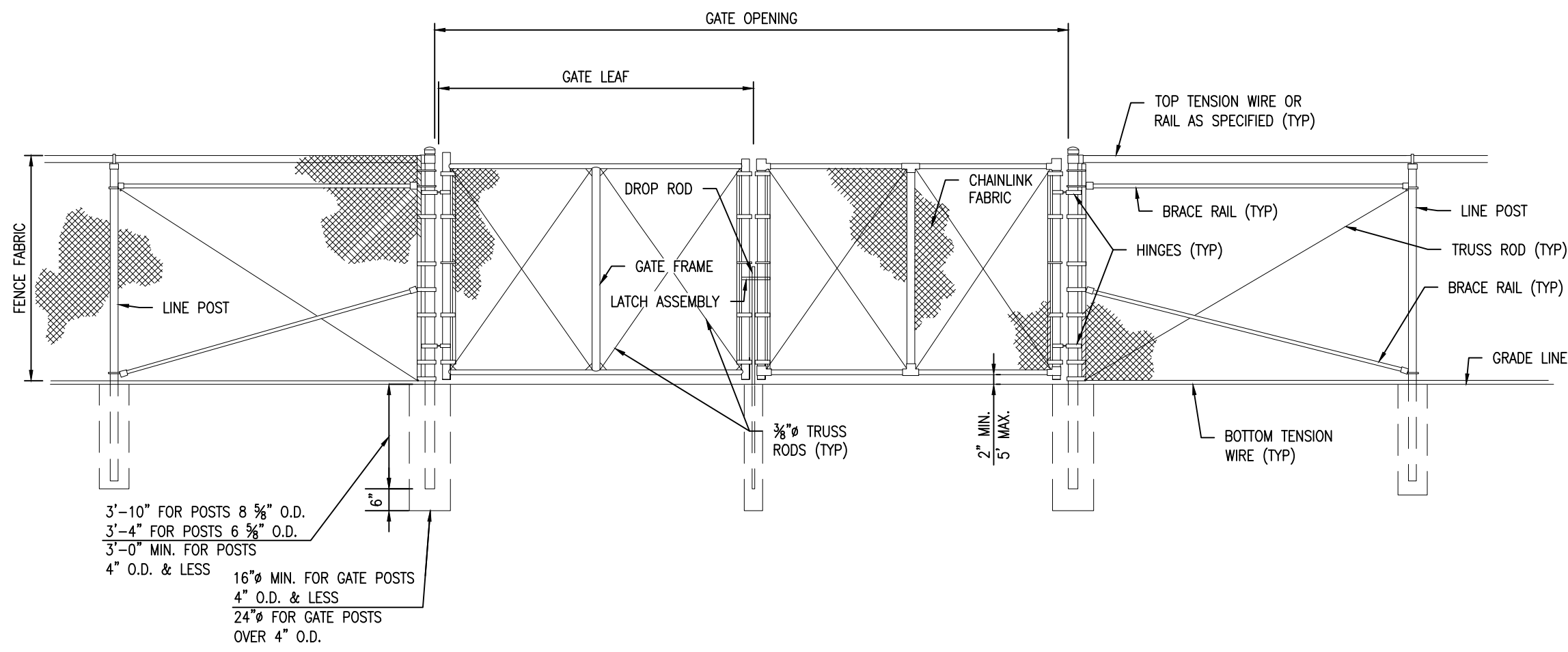
S-26-0051



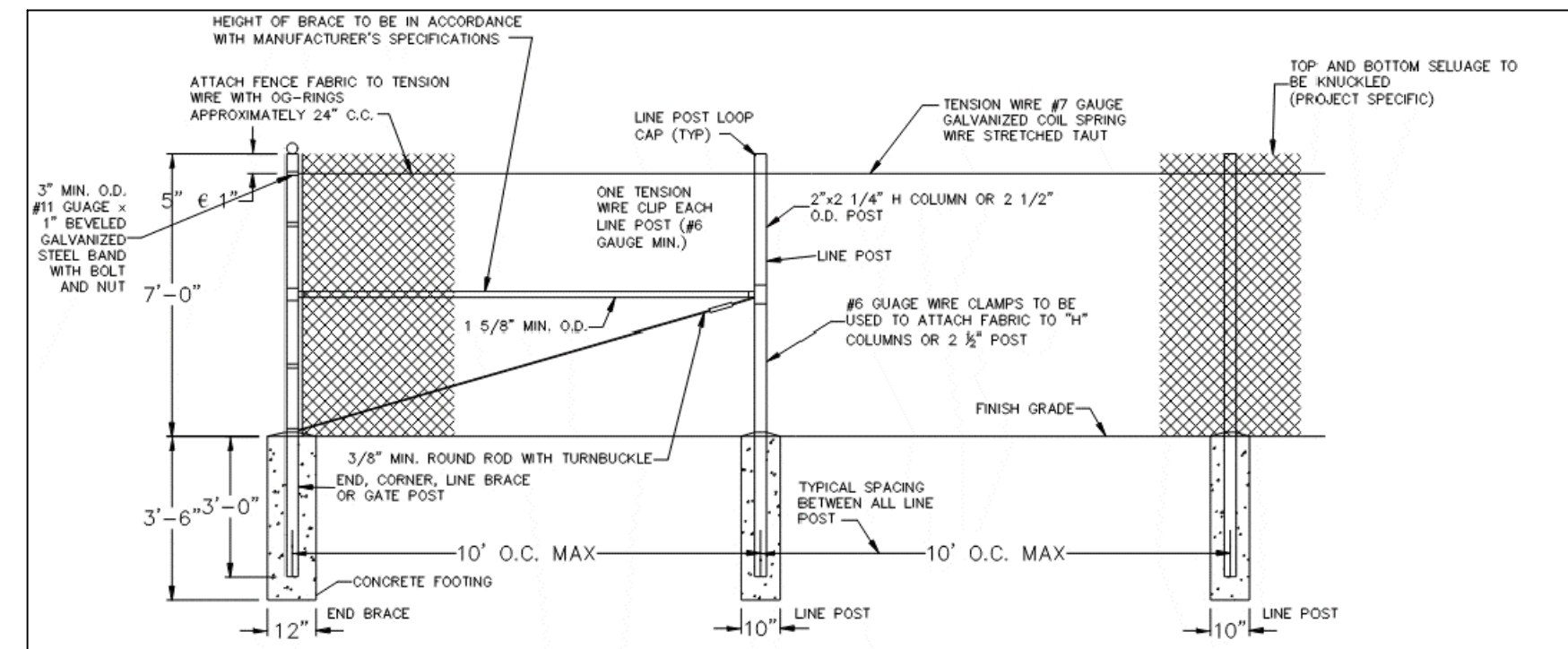
TRAVERSE POINT TABLE				
POINT NO.	DESCRIPTION	ELEVATION	NORTHING	EASTING
100	CAPPED REBAR	970.64	719495.0827	1339826.3473
101	CAPPED REBAR	1052.40	720066.8590	1340299.0033
102	MAG NAIL	1036.88	719992.9433	1340233.3730
103	MAG NAIL	944.82	718174.6417	1339016.5287
104	MAG NAIL	990.79	718110.0637	1340811.4250
105	MAG NAIL	1013.57	719306.1497	1341245.5183



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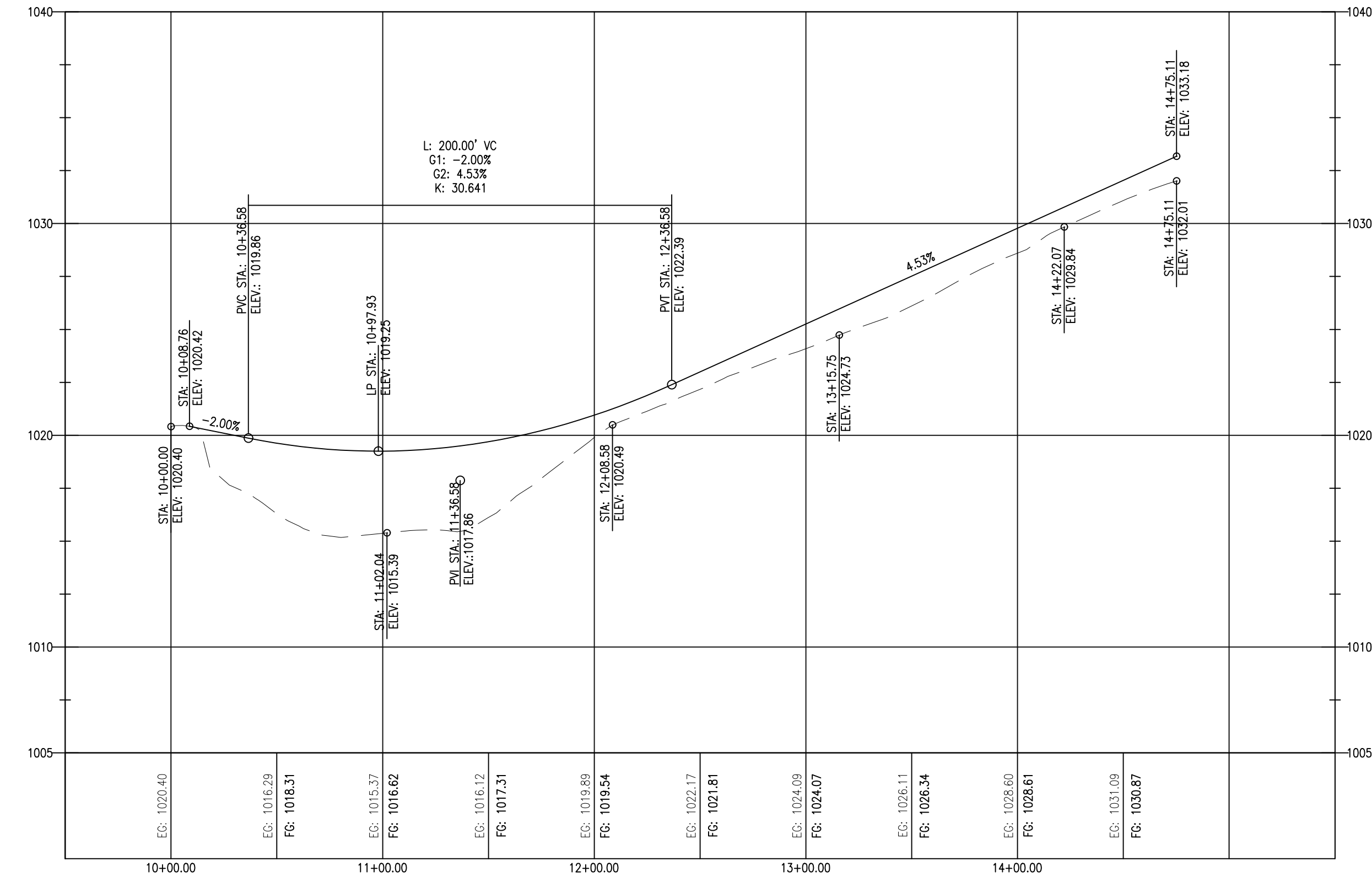


1 DOUBLE SWING GATE DETAIL (TYPE FE-5)
DET107 SCALE: NOT TO SCALE

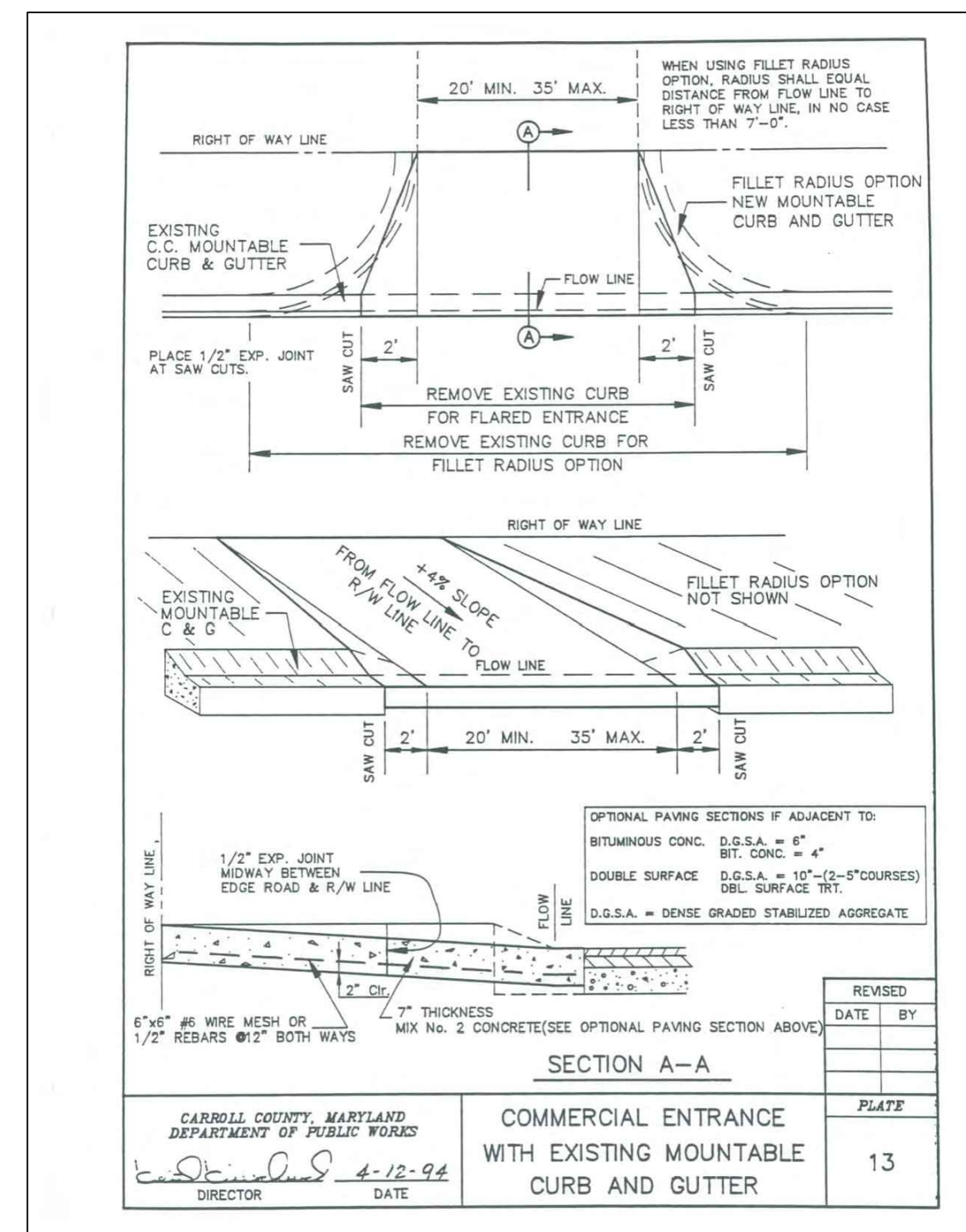


2 STANDARD 7' CHAINLINK FENCE
DET107 SCALE: NOT TO SCALE

- NOTES:
- OWNER SPECIFIES EITHER BOTTOM TENSION WIRE, BOTTOM RAIL OR NEITHER.
 - CHAIN LINK EITHER PVC VINYL CLAD OR GALVANIZED (PER PROJECT).



5 GRAVEL ROAD PROFILE
DET107 SCALE: HORZ. 1" = 50'
VERT. 1" = 5'

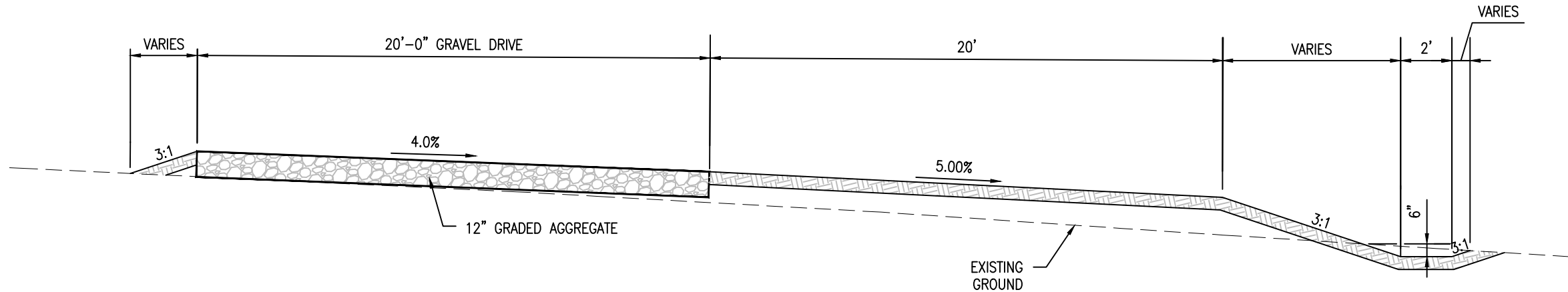


NOTE: NO EXISTING CURB IS PRESENT; NO CURB IS PROPOSED.

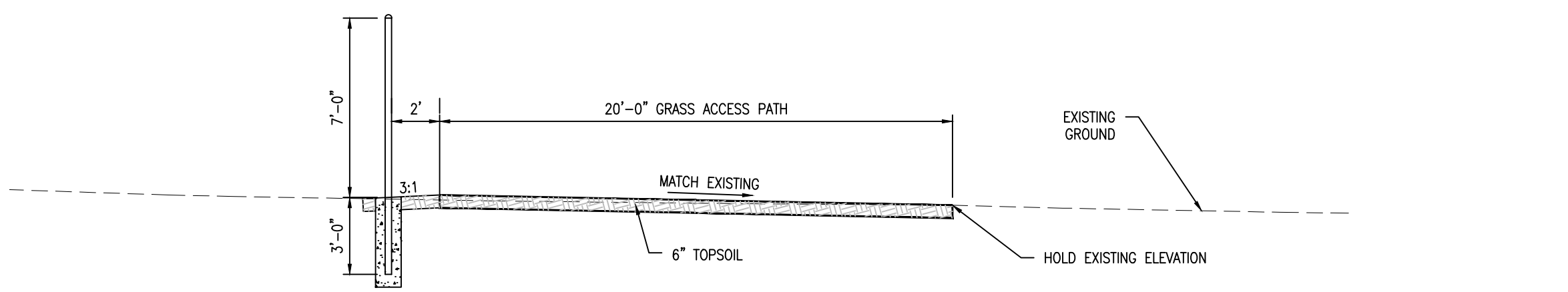
6 COMMERCIAL ENTRANCE
DET107 SCALE: NOT TO SCALE

GRAVEL ACCESS ROAD NOTES

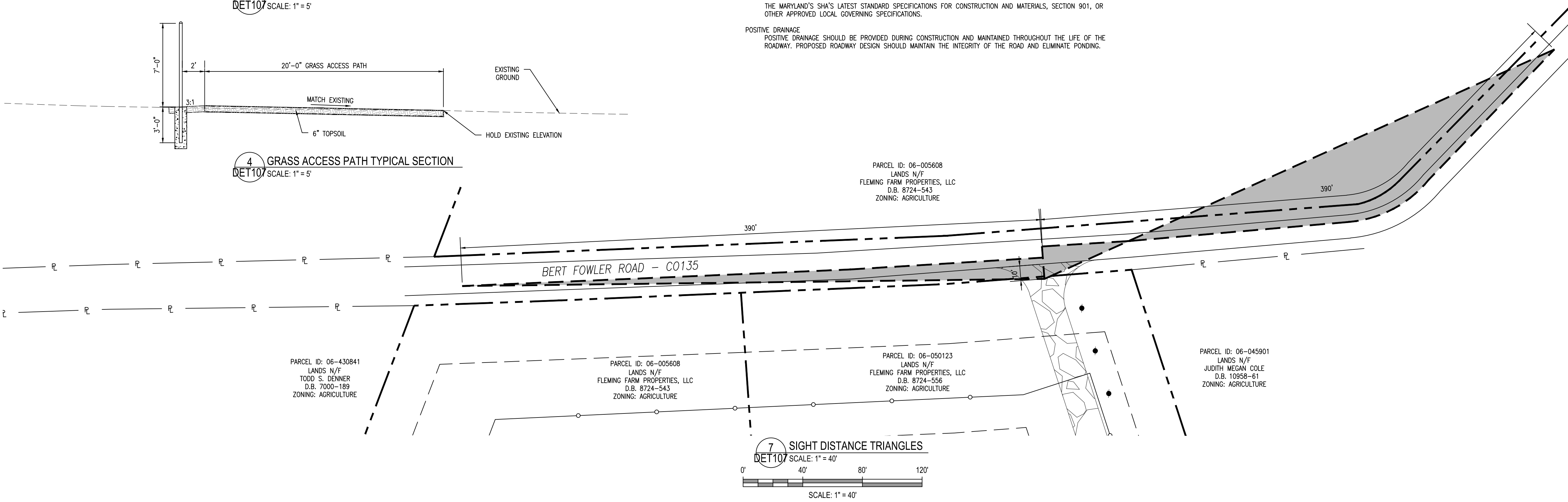
- AGGREGATE SURFACE COURSE AND SUBGRADE REQUIREMENTS**
THE AGGREGATE SURFACE COURSE SHOULD HAVE A MINIMUM THICKNESS OF 12 INCHES AND BE CONSTRUCTED OVER A STABLE SUBGRADE. THE SUBGRADE SHOULD BE EVALUATED BY PROOF ROLLING WITH AN ADEQUATELY LOADED VEHICLE, SUCH AS A FULLY LOADED TANDEM-AXLE DUMP TRUCK. UNSUITABLE SOILS - SUCH AS SOFT, PLASTIC CLAYS, MUCK, PEAT, OR MATERIALS SHOWING PUMPING, RUTTING, OR DEFLECTION >1 INCH DURING PROOF ROLLING, WILL REQUIRE REMEDIATION.
- REMEDATION STEPS**
SCAFFRY OR UNDERCUT UNSUITABLE SUBGRADE AREAS TO A MINIMUM DEPTH OF 12 INCHES, MOISTURE CONDITION, AND COMPACT TO 100% OF THE MAXIMUM DRY DENSITY USING ASTM 0998. RECOMMENDED THICKNESS SHOULD BE MEASURED AFTER FULL COMPACTION. REFER TO MARYLAND SHA'S LATEST STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, SECTION 208 (SUBGRADE PREPARATION) FOR EVALUATION AND CORRECTION OF UNSUITABLE AREAS.
- STRUCTURAL FILL PLACEMENT**
ALL STRUCTURAL FILLS SHOULD BE PLACED IN LOOSE LIFTS NOT EXCEEDING 8 INCHES IN THICKNESS AND COMPACTED IN ACCORDANCE WITH ASTM 0998. STABILIZE WITH GEOSYNTHETICS (SECTION 211) OR CEMENT MODIFICATION (SECTION 502) DEPENDING ON NATIVE SOIL AND MOISTURE CONDITIONS.
- AGGREGATE MATERIALS**
AGGREGATE MATERIALS SHOULD CONFORM TO THE SPECIFICATIONS OF GRADED AGGREGATE BASE IN ACCORDANCE WITH THE MARYLAND'S SHA'S LATEST STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, SECTION 901, OR OTHER APPROVED LOCAL GOVERNING SPECIFICATIONS.
- POSITIVE DRAINAGE**
POSITIVE DRAINAGE SHOULD BE PROVIDED DURING CONSTRUCTION AND MAINTAINED THROUGHOUT THE LIFE OF THE ROADWAY. PROPOSED ROADWAY DESIGN SHOULD MAINTAIN THE INTEGRITY OF THE ROAD AND ELIMINATE PONDING.



3 GRAVEL ACCESS ROAD TYPICAL SECTION
DET107 SCALE: 1" = 5'



4 GRASS ACCESS PATH TYPICAL SECTION
DET107 SCALE: 1" = 5'



7 SIGHT DISTANCE TRIANGLES
DET107 SCALE: 1" = 40'
SCALE: 1" = 40'

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LOCATION MAP SCALE: 1" = 2000'

CONCEPTUAL SEDIMENT CONTROL PLAN

FOR

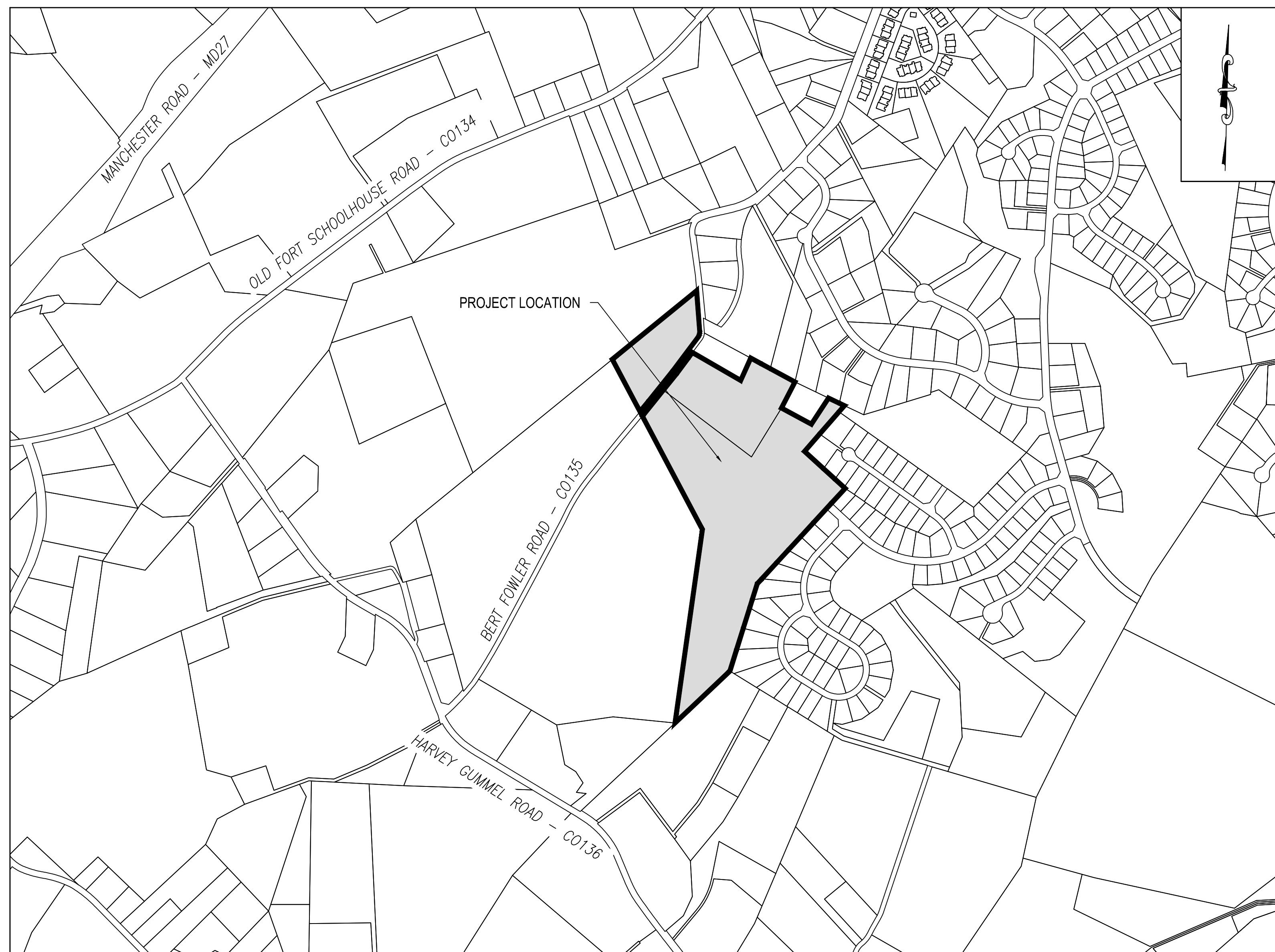
ARENA ASTER SOLAR LLC

T.P. # MAP 0032, GRID 0004, PARCEL 0540

SIXTH DISTRICT, HAMPSTEAD, CARROLL COUNTY, STATE OF MARYLAND

EXISTING USE: AGRICULTURAL FIELD

PROPOSED USE: SOLAR FARM



SITE MAP SCALE: 1" = 500'

INDEX OF SHEETS

0600-SCP	COVER SHEET
0601-SCP	LEGEND
0602-SCP	OVERALL INDEX PLAN
0603-SCP	CONCEPTUAL SEDIMENT CONTROL PLAN - EXISTING CONDITIONS
0604-SCP	CONCEPTUAL SEDIMENT CONTROL PLAN - EXISTING CONDITIONS
0605-SCP	CONCEPTUAL SEDIMENT CONTROL PLAN - PROPOSED CONDITIONS
0606-SCP	CONCEPTUAL SEDIMENT CONTROL PLAN - PROPOSED CONDITIONS
0700-SCD	SEDIMENT CONTROL DETAILS
0701-SCD	SEDIMENT CONTROLS DETAILS

DATA COLUMN		
1. TAX PARCEL NUMBER:	MAP 0032, GRID 0004, PARCEL 0029	MAP 0032, GRID 0004, PARCEL 0540
2. SITE ADDRESS:	BERT FOWLER ROAD HAMPSTEAD, MD 21074	BERT FOWLER ROAD HAMPSTEAD, MD 21074
3. ZONING:	AGRICULTURAL	AGRICULTURAL
4. PARCEL AREA:	36.47± ACRES (SDAT PROPERTY DATA)	6.67± ACRES (SDAT PROPERTY DATA)
5. PROJECT/DEVELOPMENT AREA:		
6. SOURCE OF TITLE:	D.B. 8724-543	D.B.8724-556
7. EXISTING USE:	AGRICULTURAL	AGRICULTURAL
8. PROPOSED USE:	AGRICULTURAL/SOLAR FARM	SOLAR FARM
9. DATUM:	BENCHMARK: VERT.: NAVD88 HORIZ.: NAD83	
10. SETBACKS:	STRUCTURE: SOLAR FARM FRONT: 40' 100' SIDE: 30' 100' REAR: 50' 100'	
11. FLOOD PLAN MAP:	PER FEMA MAP NUMBER 24013C0094D, DATED OCTOBER 2, 2015, THE PROJECT LIMITS LIES WITHIN ZONE X. AREAS TO BE DETERMINED TO BE OUTSIDE OF 0.2% ANNUAL CHANCE FLOODPLAIN.	
12. PURPOSE OF PLAN:	THE PURPOSE OF THIS PLAN IS TO SHOW A PROPOSED SOLAR FARM AND ASSOCIATED IMPROVEMENTS AS SHOWN ON THE PLAN.	
13. DEBRIS DISPOSAL:	NO DEBRIS SHALL BE BURIED ON SITE. ANY BURIED DEBRIS ENCOUNTERED SHALL BE REMOVED AND DISPOSED OF AT AN APPROVED FACILITY.	
14. TOPOGRAPHY:	TOPOGRAPHIC SURVEY DATA SHOWN HEREON WAS PERFORMED BY WALLACE MONTGOMERY, LLP, APRIL 2026.	
15. BOUNDARY SURVEY:	A BOUNDARY SURVEY WAS NOT PERFORMED NOR REQUESTED. WALLACE MONTGOMERY TAKES NO RESPONSIBILITY FOR DISCREPANCIES RELATED TO THE BOUNDARY.	
16. WETLANDS:	NO WETLANDS WERE OBSERVED WITHIN PROJECT AREA.	
17. LIMITS OF DISTURBANCE:	THE TOTAL LIMITS OF DISTURBANCE IS 21.75 ACRES.	
18. OWNER (PARCELS 0029 & 0540):	FLEMING FARM PROPERTIES, LLC 3601 MOUNT GARNEL ROAD UPPERCO, MD 21155	
19. DEVELOPER:	ARENA ASTER SOLAR, LLC 650 MASSACHUSETTS AVE. NW SUITE 600 WASHINGTON, DE 20001 GEORGE WOHLGEMUTH 202-841-4914 GWOHLGEMUTH@ARENARENEW.COM	
20. ENGINEER:	WALLACE MONTGOMERY, LLP 222 S. DUPONT HIGHWAY SUITE 202 DOVER, DE 19901 ALEXANDER SCHMIDT, P.E. 302-257-3100 ASCHMIDT@WALLACEMONTGOMERY.COM	


WATER RESOURCE IMPACT NOTES

WATER RESOURCE MANAGEMENT AREAS
THIS SITE IS LOCATED WITHIN AN AQUIFER PROTECTION AREA AND A SURFACE WATERSHED AREA.

TIER II WATERS
THIS SITE IS LOCATED WITHIN THE NORTH BRANCH OF THE PATAPSCO RIVER WATERSHED, A TIER II WATERSHED WITH NO ASSIMILATIVE CAPACITY REMAINING.

WELLHEADS/BUFFERS
NO WELLHEADS OR WELLHEAD BUFFERS EXIST WITHIN THE PROJECT LIMITS.

SOIL CONSERVATION DISTRICT	
THE DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE SOIL CONSERVATION DISTRICT.	
APPROVED	CARROLL S.C.D./ DATE
CERTIFICATION OF DEVELOPER	
I CERTIFY THAT THIS PLAN OF SOIL EROSION AND 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 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	
DEVELOPER PHONE NUMBER	
CERTIFICATION OF PLAN ACCURACY	
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 CARROLL SOIL CONSERVATION DISTRICT.	
ALEXANDER E. SCHMIDT, P.E., NO. 39490	DATE
WALLACE MONTGOMERY 222 S. DUPONT HIGHWAY SUITE 202 DOVER, DE 19901	



WALLACE MONTGOMERY

222 S. DUPONT HIGHWAY | SUITE 202 | DOVER, DE 19901 | 302-257-3100

REVISIONS/ADDENDUMS

SEAL

PROJECT TITLE

ARENA ASTER SOLAR LLC
FOR
ARENA ASTER SOLAR, LLC
MAP 0032, GRID 0004, PARCEL 0540
HAMPSTEAD, SIXTH DISTRICT, CARROLL COUNTY, STATE OF MARYLAND
EXISTING USE: AGRICULTURAL FIELD PROPOSED USE: SOLAR FARM

SHEET TITLE

COVER SHEET

AGENCY SUBMISSION

JUNE 18, 2026

DRAWN: _____ CHK'D/DESIGNER: _____

DLD/FRM SCALE: 1" = 500' AES/DLD/FRM SHEET NO. 0600-SCP

PROJECT NO. 226001.0001 COUNTY FILE NO. S-26-0051

M:\PROJECTS\202601\0001\0600\0600-SCP\0600-SCP.dwg, 6/18/2026
 This drawing is the property of Wallace Montgomery, LLC and is prepared for the exclusive use of its clients at the location indicated. No other use is authorized or intended.

SOIL CLASSIFICATIONS		
SOIL TYPE	SOIL DESCRIPTION	SOIL RATING
BxD	BRINKLOW CHANNERY LOAM, 15 TO 25% SLOPES	C
GxB	GLENELG CHANNERY LOAM, 3 TO 8% SLOPES	B
GxB	GLENVILLE SILT LOAM, 3 TO 8% SLOPES	C/D
GxC	GLENVILLE SILT LOAM, SOMEWHAT POORLY DRAINED, 8 TO 15% SLOPES	C/D
MxB	MANOR CHANNERY LOAM, 3 TO 8% SLOPES	B
MxB	MANOR CHANNERY LOAM, 8 TO 15% SLOPES	B

NOTE: NO SOILS PRESENT WITH A K FACTOR GREATER THAN 0.35.



REVISIONS/ADDENDUMS

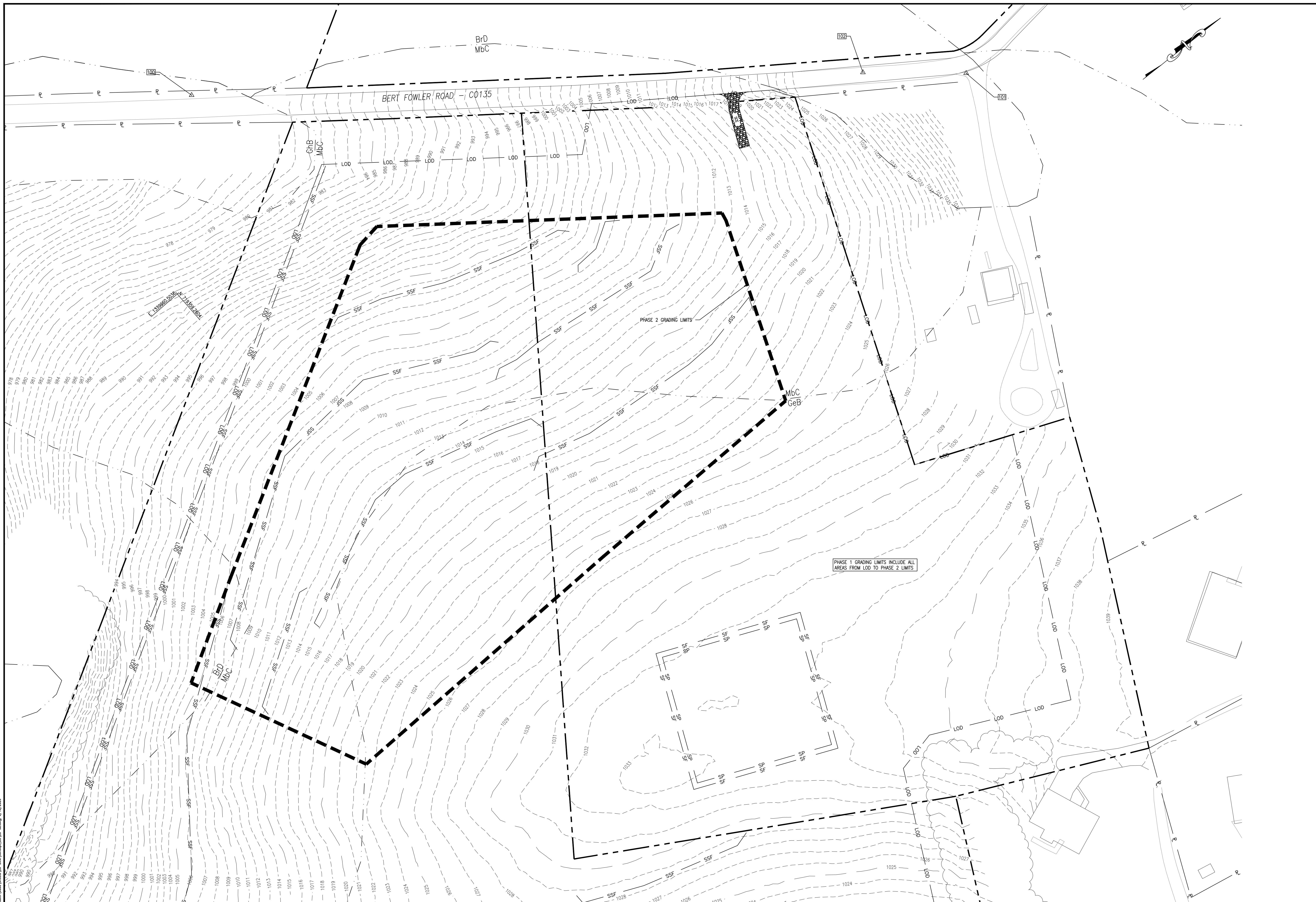
SEAL

PROJECT
 SHEET TITLE
ARENA ASTER SOLAR LLC
 FOR
 ARENA ASTER SOLAR, LLC
 MAP 0032, GRID 0004, PARCEL 0540
 HAMPSTEAD, SIXTH DISTRICT, CARROLL COUNTY, STATE OF MARYLAND
 EXISTING USE: AGRICULTURAL FIELD PROPOSED USE: SOLAR FARM

AGENCY
 SUBMISSION
 JUNE 18, 2026
 DRAWN: DLD/FRM
 SCALE: 1" = 100'
 PROJECT NO.: 226001.0001
 COUNTY FILE NO.: S-26-0051

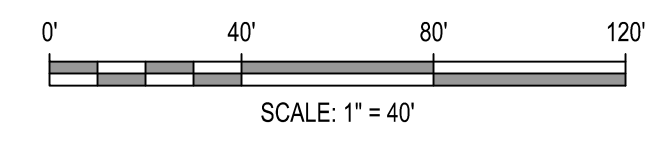
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This drawing is the property of Wallace Montgomery, LLC and is prepared for the exclusive use of its clients at the location indicated. No other use is authorized or intended.



M:\PROJECTS\226001\0001\Drawings\Grading\SSW\Concept_L15-15-24.dwg, 6/18/2024

MATCH LINE SEE SHEET SCP204



REVISIONS/ADDENDUMS

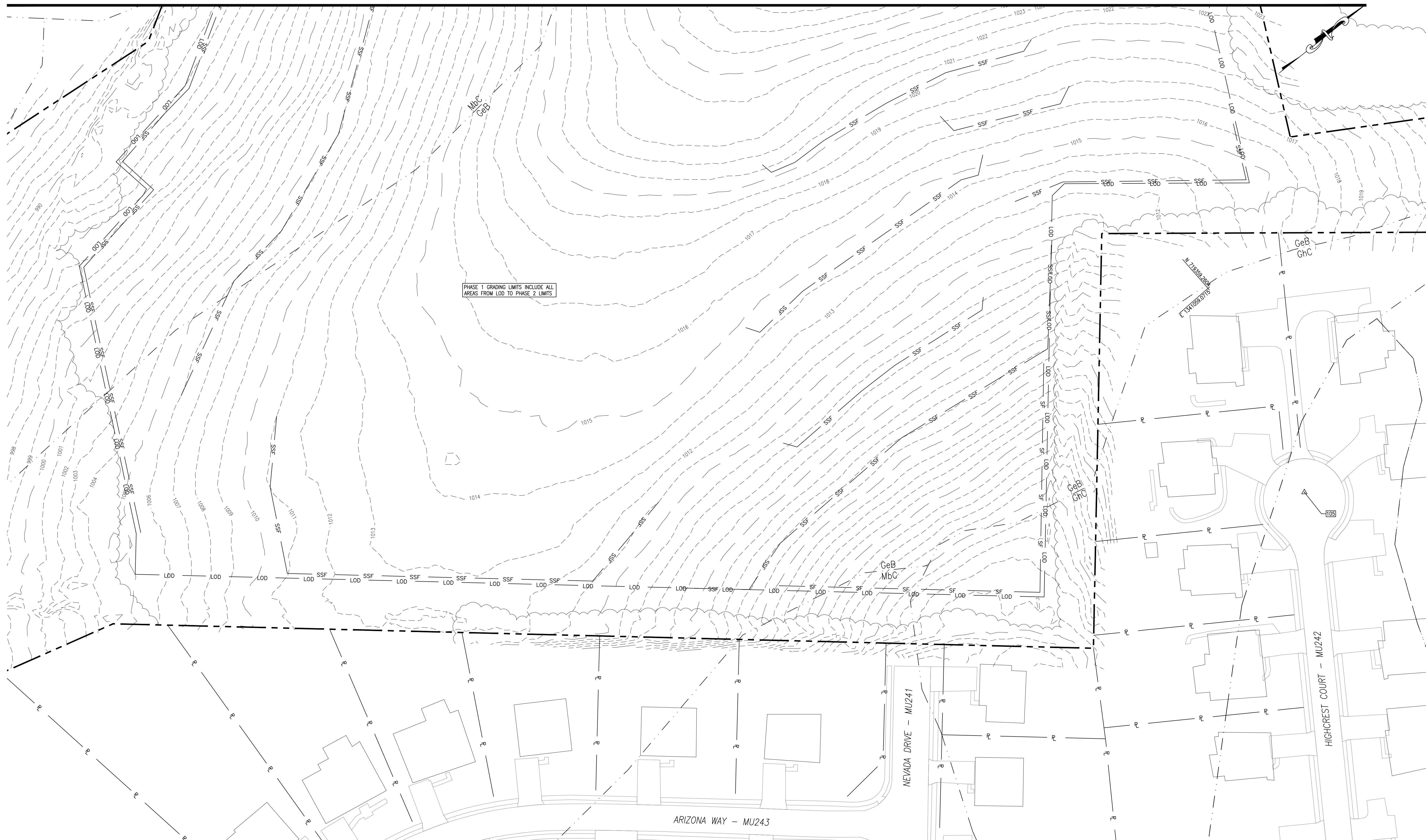
SCALE

ARENA ASTER SOLAR LLC
 FOR
ARENA ASTER SOLAR, LLC
 MAP 0032, GRID 0004, PARCEL 0540
 HAMPSTEAD, SIXTH DISTRICT, CARROLL COUNTY, STATE OF MARYLAND
 EXISTING USE: AGRICULTURAL FIELD PROPOSED USE: SOLAR FARM

PROJECT SHEET TITLE
CONCEPTUAL SEDIMENT CONTROL PLAN - EXISTING CONDITIONS

AGENCY SUBMISSION
 JUNE 18, 2026
 DRAWN: **DLD/FRM** CHK'D/DESIGNER: **AES/DLD/FRM**
 SCALE: SHEET NO.
1" = 40'
 PROJECT NO. **0603-SCP**
 COUNTY FILE NO. S-26-0051

MATCH LINE SEE SHEET SCP203



WALLACE
MONTGOMERY



222 S. DUPONT HIGHWAY | SUITE 202 | DOVER, DE 19901 | 302-257-3100

REVISIONS/ADDENDUMS

SEAL

ARENA ASTER SOLAR LLC
FOR

ARENA ASTER SOLAR, LLC

MAP 0032, GRID 0004, PARCEL 0540

HAMPSTEAD, SIXTH DISTRICT, CARROLL COUNTY, STATE OF MARYLAND

EXISTING USE: AGRICULTURAL FIELD PROPOSED USE: SOLAR FARM

PROJECT

SHEET TITLE

CONCEPTUAL SEDIMENT
CONTROL PLAN -
EXISTING CONDITIONS

AGENCY
SUBMISSION

JUNE 18, 2026

DRAWN CHK'D/DISIGNER

DLD/FRM AES/DLD/FRM

SCALE SHEET NO.

1" = 40'

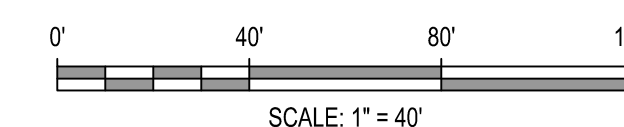
PROJECT NO.

226001.0001

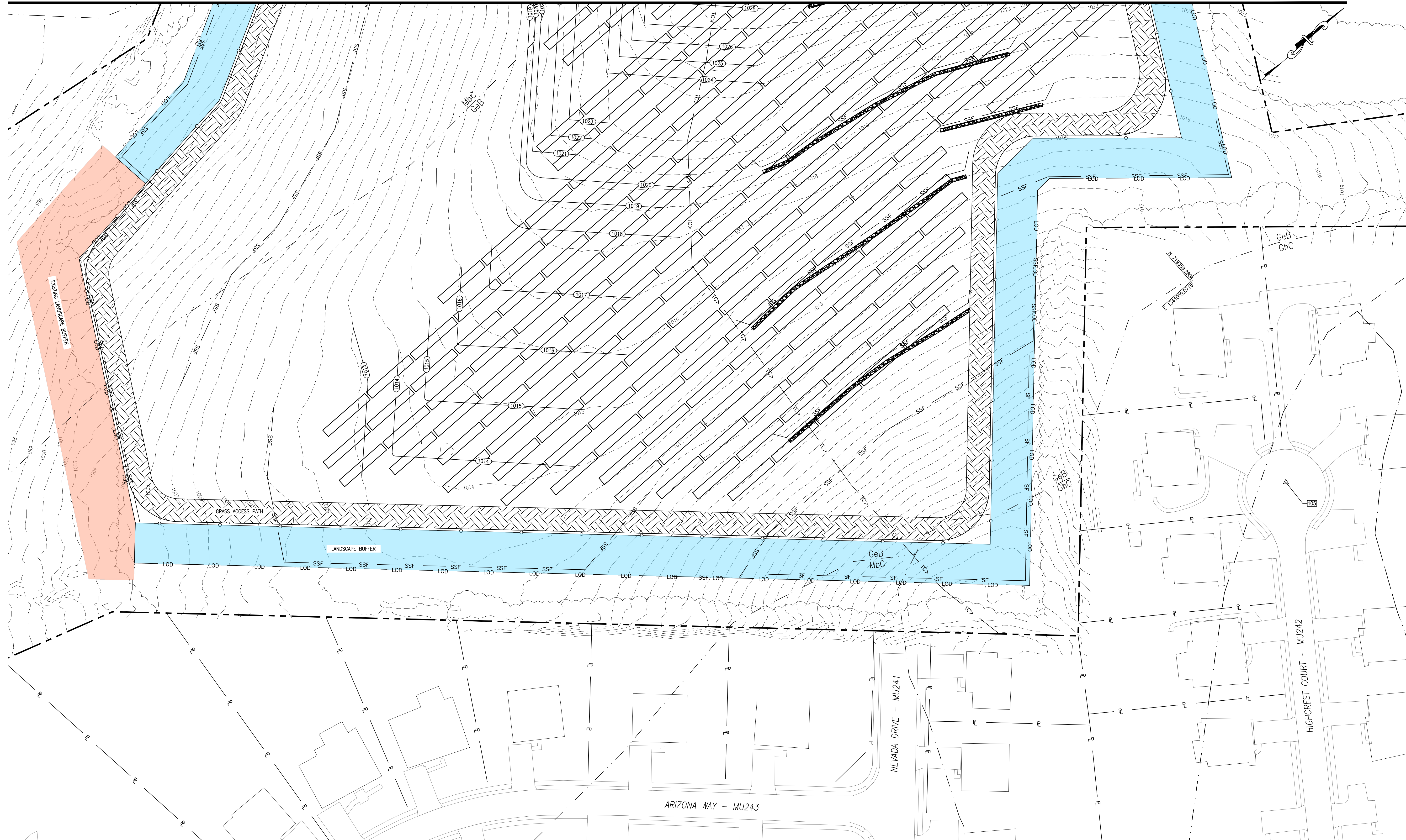
COUNTY FILE NO.

0604-SCP

S-26-0051



MATCH LINE SEE SHEET SCP205



**WALLACE
MONTGOMERY**

222 S. DUPONT HIGHWAY | SUITE 202 | DOVER, DE 19901 | 302-257-3100

REVISIONS/ADDENDUMS

SEAL

ARENA ASTER SOLAR LLC

FOR

ARENA ASTER SOLAR, LLC

MAP 0032, GRID 0004, PARCEL 0540

HAMPSTEAD, SIXTH DISTRICT, CARROLL COUNTY, STATE OF MARYLAND

EXISTING USE: AGRICULTURAL FIELD PROPOSED USE: SOLAR FARM

PROJECT

SHEET TITLE

CONCEPTUAL SEDIMENT
CONTROL PLAN -
PROPOSED CONDITIONS

AGENCY
SUBMISSION

JUNE 18, 2026

DRAWN

CHK'D/DESIGNER

DLD/FRM

AES/DLD/FRM

SCALE

SHEET NO.

1" = 40'

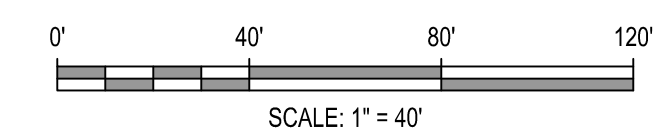
0606-SCP

PROJECT NO.

226001.0001

COUNTY FILE NO.

S-26-0051





222 S. DUPONT HIGHWAY | SUITE 202 | DOVER, DE 19901 | 302-257-3100

REVISIONS/ADDENDUMS

CONCEPTUAL SEQUENCE OF CONSTRUCTION

1. THE CONTRACTOR SHALL CONTACT THE CARROLL COUNTY SEDIMENT CONTROL INSPECTOR (1-410-386-2210) 24 HOURS PRIOR TO DOING ANYTHING ON THE SITE TO SET UP A PRE-CONSTRUCTION MEETING AND TO MAKE SURE ALL LOCAL ORDINANCE ITEMS HAVE BEEN SATISFIED.
2. PRIOR TO ANY CLEARING, GRUBBING, GRADING, OR CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL FIELD STAKE THE LIMITS OF DISTURBANCE, PHASE LIMITS, PROPOSED SEDIMENT CONTROLS, CONSTRUCTION ENTRANCE, STOCKPILE AREAS, AND STAGING AREAS.
3. INSTALL THE STABILIZED CONSTRUCTION ENTRANCE AND PERIMETER CONTROLS. NO GRADING WORK SHALL BEGIN.
4. UPON COMPLETION OF THE INITIAL SEDIMENT CONTROLS, THE CONTRACTOR SHALL CONTACT THE INSPECTION AUTHORITY FOR INSPECTION AND APPROVAL. CLEARING, GRUBBING, GRADING, AND CONSTRUCTION ACTIVITY SHALL NOT PROCEED UNTIL THE INITIAL SEDIMENT CONTROLS HAVE BEEN APPROVED.
5. BEGIN PHASE 1 CONSTRUCTION ACTIVITIES. DISTURBANCE SHALL BE LIMITED TO THE APPROVED PHASE 1 AREA.
6. CONSTRUCT THE PROPOSED ACCESS ROAD, CULVERT, RELATED DRAINAGE IMPROVEMENTS, AND STONE LEVEL SPREADERS. LEVEL SPREADERS TOPS SHALL BE WRAPPED WITH GEOTEXTILE TO PROTECT FROM SEDIMENT DURING CONSTRUCTION.
7. STABILIZE DISTURBED AREAS PROGRESSIVELY AS WORK IS COMPLETED. TEMPORARY STABILIZATION SHALL BE PROVIDED FOR INACTIVE DISTURBED AREAS IN ACCORDANCE WITH THE APPROVED CARROLL COUNTY SEDIMENT CONTROL NOTES. PERMANENT STABILIZATION SHALL BE INSTALLED AS SOON AS FINAL GRADES ARE ACHIEVED.
8. CONTRACTOR SHALL CONTACT THE INSPECTION AUTHORITY FOR APPROVAL TO MOVE ON INTO PHASE 2 GRADING AREA.
9. BEGIN PHASE 2 GRADING ACTIVITIES. LEVEL SPREADERS TOPS SHALL BE WRAPPED WITH GEOTEXTILE TO PROTECT FROM SEDIMENT DURING CONSTRUCTION. DISTURBANCE SHALL REMAIN WITHIN THE APPROVED PHASE 2 LIMITS.
10. STABILIZE DISTURBED AREAS PROGRESSIVELY AS WORK IS COMPLETED. TEMPORARY STABILIZATION SHALL BE PROVIDED FOR INACTIVE DISTURBED AREAS IN ACCORDANCE WITH THE APPROVED MARYLAND/CARROLL COUNTY SEDIMENT CONTROL NOTES. PERMANENT STABILIZATION SHALL BE INSTALLED AS SOON AS FINAL GRADES ARE ACHIEVED.
11. INSTALL SOLAR RACKING AND ASSOCIATED INFRASTRUCTURE. DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY FOLLOWING BACKFILL AND FINAL GRADING. CONTRACTOR SHALL NOT TRAVERSE ACROSS LEVEL SPREADERS AT ANY TIME.
12. COMPLETE FINAL GRADING, PERMANENT STABILIZATION, MEADOW ESTABLISHMENT, ACCESS PATH STABILIZATION, SWM FACILITY STABILIZATION, AND RESTORATION OF ALL DISTURBED AREAS. REMOVE TEMPORARY STOCKPILES AND STABILIZE ALL STAGING AREAS.
13. CONTACT THE CARROLL COUNTY SEDIMENT CONTROL INSPECTOR PRIOR TO REMOVING ANY SEDIMENT CONTROL MEASURES. APPROVAL FROM THE SEDIMENT CONTROL INSPECTION IS REQUIRED.
14. AFTER THE SITE HAS ACHIEVED FINAL STABILIZATION AND APPROVAL HAS BEEN RECEIVED FROM THE INSPECTION AUTHORITY, REMOVE TEMPORARY SEDIMENT CONTROLS. AREAS DISTURBED BY REMOVAL OF SEDIMENT CONTROLS SHALL BE IMMEDIATELY STABILIZED.

TEMPORARY SEEDING NOTES

1. PLANTING SHORT TERM (NO MORE THAN 6 MONTHS) VEGETATION TO TEMPORARILY STABILIZE ANY AREAS WHERE SOIL DISTURBANCE HAS OCCURRED, UNTIL THE AREA CAN BE PERMANENTLY STABILIZED WITH VEGETATIVE OR NON-VEGETATIVE PRACTICES.
2. THE FOLLOWING NOTES SHALL CONFORM TO SECTION B-4 OF THE "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" PUBLISHED JOINTLY BY THE MARYLAND DEPARTMENT OF ENVIRONMENT - WATER MANAGEMENT ADMINISTRATION, THE NATIONAL RESOURCE CONSERVATION SERVICE AND THE MARYLAND ASSOCIATION OF SOIL CONSERVATION DISTRICTS.
3. THE SEED BED SHALL BE PREPARED BY LOOSENING THE SOIL TO A DEPTH OF 3 TO 5 INCHES AND INCORPORATING THE LIME AND FERTILIZER INTO THIS LOOSENED LAYER OF SOIL. SEE SECTION B-4-2.
4. FOR TEMPORARY STABILIZATION, FERTILIZER SHALL CONSIST OF A MIXTURE OF 10-20-20 AND BE APPLIED AT A RATE OF 436 LB. PER ACRE (10 LB. PER 1000 SQ. FT.) AND WILL MEET THE REQUIREMENTS IN SECTION B-4-2. LIME SHALL BE APPLIED AT A RATE OF 2 TONS PER ACRE (90 LB. PER SQ. FT.) AND SHALL MEET THE REQUIREMENTS IN SECTION B-4-2 AND B-4-4.
5. SEED TYPE AND APPLICATION SHALL MEET THE REQUIREMENTS IN SECTION B-4-3. SEED TAGS SHALL BE MADE AVAILABLE TO THE INSPECTOR TO VERIFY THE TYPE AND RATE OF SEED USED.
6. MULCH TYPE AND ITS APPLICATION WILL MEET THE REQUIREMENTS IN SECTION B-4-3 A, B AND C AND WILL BE APPLIED ALONG WITH THE SEED OR IMMEDIATELY AFTER SEEDING.
7. SEEDING MIXTURES SHALL BE SELECTED FROM OR WILL BE EQUAL TO THE SEEDING CHART BELOW.

TEMPORARY SEEDING CHART

HARDINESS ZONE (FROM FIGURE B.3): 7A					FERTILIZER RATE (10-20-20)	LIME RATE
SEED MIXTURE (FROM TABLE B.1): ANNUAL RYE GRASS & FOXTAIL MILLET						
NO.	SPECIES	APPLICATION RATE (LB/AC)	SEEDING DATES	SEEDING DEPTH		
1	ANNUAL RYEGRASS (LOLIUM PERENNE SSP. MULTIFLORUM)	40	FEB 15 TO APR 30; AUG 15 TO NOV 30	0.5 INCHES	436 LB/AC (10 LB/1000 SF)	2 TONS/AC (90 LB/1000 SF)
2	FOXTAIL MILLET (SETARIA ITALICA)	30	JUNE 1 TO JUL 31	0.5 INCHES		

PERMANENT SEEDING NOTES

1. PLANTING PERMANENT, LONG LIVED VEGETATIVE COVER ON GRADED AND/OR CLEARED AREAS AND AREAS THAT HAVE BEEN IN TEMPORARY VEGETATION FOR MORE THAN 6 MONTHS.
2. THE FOLLOWING NOTES SHALL CONFORM TO SECTION B-4 OF THE "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" PUBLISHED JOINTLY BY THE MARYLAND DEPARTMENT OF ENVIRONMENT - WATER MANAGEMENT ADMINISTRATION, THE NATIONAL RESOURCE CONSERVATION SERVICE AND THE MARYLAND ASSOCIATION OF SOIL CONSERVATION DISTRICTS.
3. THE SEED BED SHALL BE PREPARED BY LOOSENING THE SOIL TO A DEPTH OF 3 TO 5 INCHES AND INCORPORATING THE LIME AND FERTILIZER INTO THIS LOOSENED LAYER OF SOIL. SEE SECTION B-4-2.
4. FOR SITES OVER 5 AC, SOIL TESTS WILL BE PERFORMED. SOIL TESTS WILL BE CONDUCTED BY THE UNIVERSITY OF MARYLAND OR A RECOGNIZED COMMERCIAL LABORATORY. MINIMUM SOIL CONDITIONS SHALL MEET THE REQUIREMENTS OF SECTION B-4-2-A-2-A, OTHERWISE SOIL AMENDMENTS OR TOPSOIL WILL NEED TO BE APPLIED. TOPSOILING MAY OCCUR WHEN SOIL CONDITIONS MEET THE MINIMUM REQUIREMENTS AS STATED IN SECTION B-4-2-B. SOIL AMENDMENTS MUST MEET THE REQUIREMENTS AS SET FORTH IN SECTION B-4-2-C AND MUST BE APPLIED AS INDICATED BY THE SOILS TESTS.
5. FOR SITES OF 5 AC. OR LESS OF DISTURBANCE, THE FOLLOWING FERTILIZER AND LIME RATES SHALL APPLY. FERTILIZER SHALL CONSIST OF A MIXTURE OF 10-20-20 AND BE APPLIED AT THE FOLLOWING RATES:
N = 45 LB. PER ACRE (1 LB. PER 1000 SQ.FT.)
P2O5 = 90 LB. PER ACRE (2 LB. PER 1000 SQ.FT.)
K2O = 90 LB. PER ACRE (2 LB. PER 1000 SQ.FT.)
LIME SHALL BE APPLIED AT A RATE OF 2 TONS PER ACRE (90 LB. PER 1000 SQ.FT.)
6. SEED TYPE, TURFGRASS OR SOD APPLICATION SHALL MEET THE REQUIREMENTS IN SECTION B-4-5. SEED TAGS SHALL BE MADE AVAILABLE TO THE INSPECTOR TO VERIFY THE TYPE AND APPLICATION RATE OF SEED USED. MULCH TYPE AND ITS APPLICATION WILL MEET THE REQUIREMENTS IN SECTION B-4-3 A, B AND C, AND WILL BE APPLIED ALONG WITH SEED OR IMMEDIATELY AFTER SEEDING.
7. SEEDING MIXTURES SHALL BE SELECTED FROM OR SHALL BE AN APPROVED EQUAL TO THE SEEDING CHART BELOW.

PERMANENT SEEDING CHART

HARDINESS ZONE (FROM FIGURE B.3): 7A					FERTILIZER RATE (10-20-20)			LIME RATE
SEED MIXTURE (FROM TABLE B.3): 1, 2, AND CUSTOM					N	P ₂ O ₅	K ₂ O	
NO.	SPECIES	APPLICATION RATE (LB/AC)	SEEDING DATES	SEEDING DEPTHS				
1	WARM SEASON GRASS	SEE TABLE B.3	SEE TABLE B.3	1/4 - 1/2 IN	45 LB/AC (1.0 LB/1000 SF)	90 LB/AC (2.0 LB/1000 SF)	90 LB/AC (2.0 LB/1000 SF)	2 TONS/AC (90 LB/1000 SF)
2	WARM SEASON GRASS	SEE TABLE B.3	SEE TABLE B.3	1/4 - 1/2 IN				
20	MEADOW MIX	PER CARROLL COUNTY MIX SPECIFICATIONS	PER CARROLL COUNTY MIX SPECIFICATIONS	1/4 - 1/2 IN				

SEAL

ARENA ASTER SOLAR LLC
FOR
ARENA ASTER SOLAR, LLC
MAP 0032, GRID 0004, PARCEL 0540
HAMPSTEAD, SIXTH DISTRICT, CARROLL COUNTY, STATE OF MARYLAND
EXISTING USE: AGRICULTURAL FIELD PROPOSED USE: SOLAR FARM

PROJECT

SHEET TITLE

SEDIMENT CONTROL DETAILS

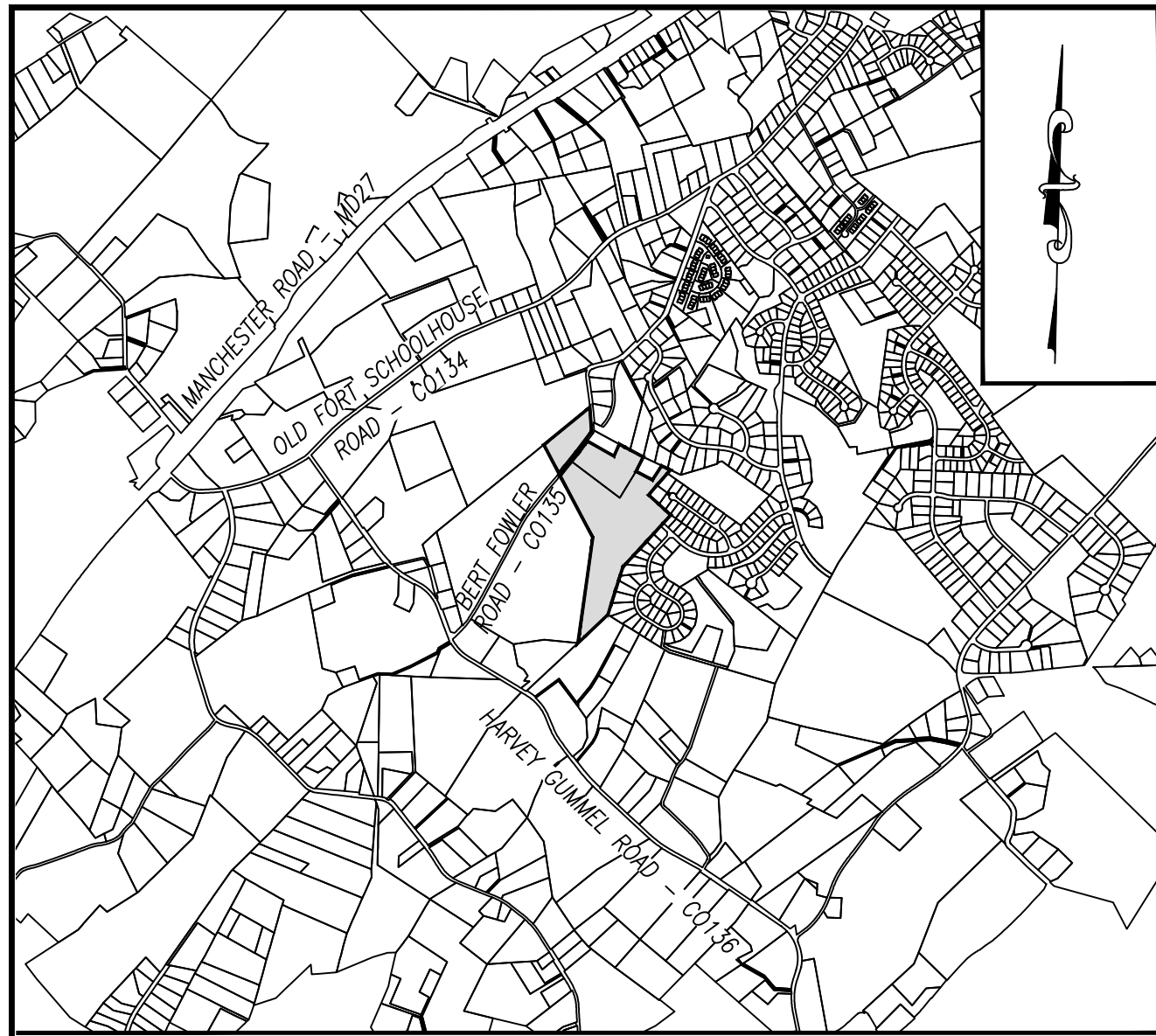
AGENCY SUBMISSION

JUNE 18, 2026

DRAWN: CHK'D/D/DESIGNER

DLD/FRM AES/DLD/FRM
SCALE SHEET NO.

AS NOTED
PROJECT NO. 0700-SCD
226001.0001
COUNTY FILE NO. S-26-0051



LOCATION MAP SCALE: 1" = 2000'

CONCEPTUAL STORMWATER MANAGEMENT PLAN

FOR

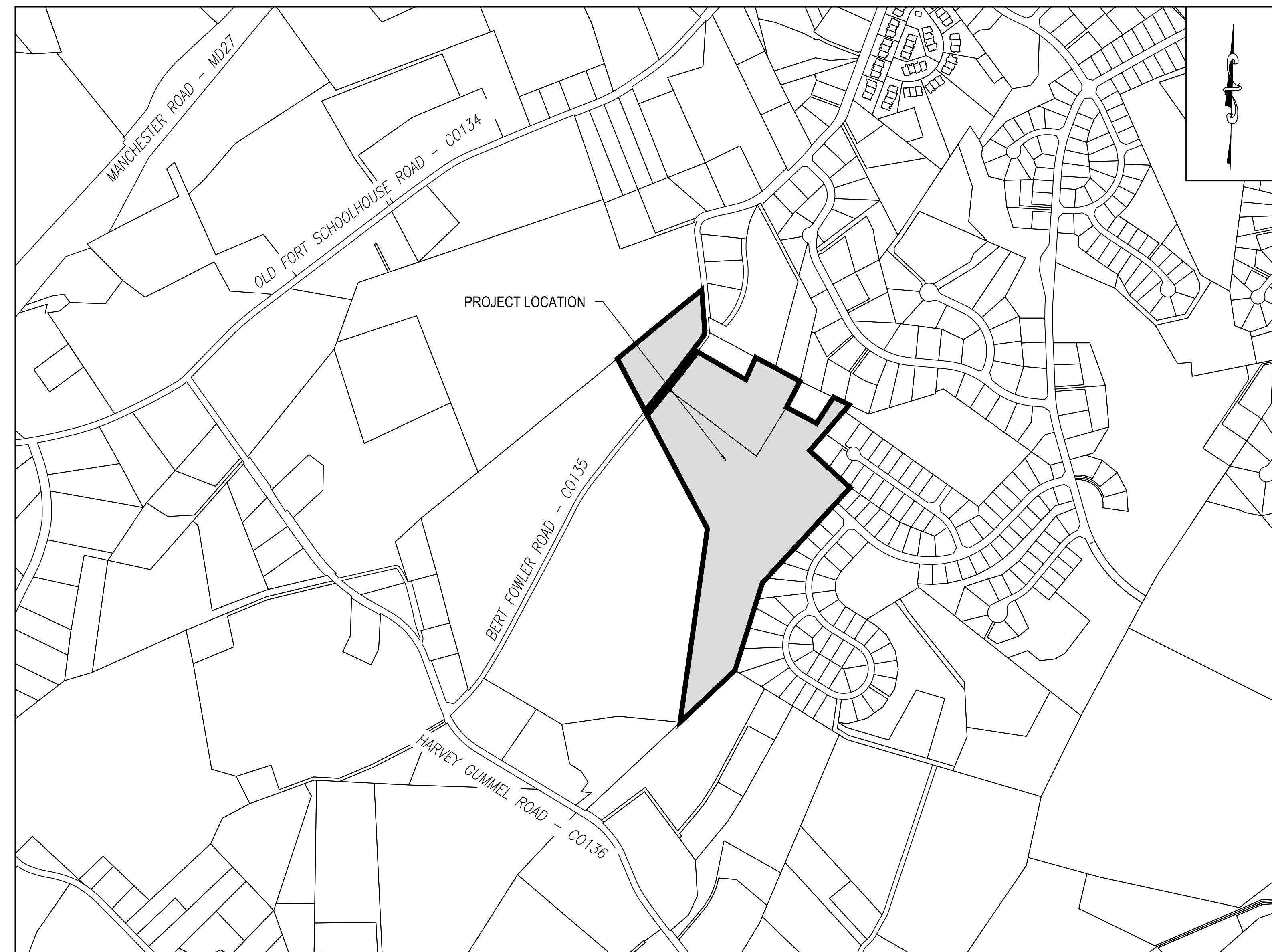
ARENA ASTER SOLAR LLC

T.P. # MAP 0032, GRID 0004, PARCEL 0540

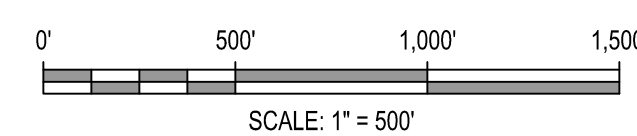
SIXTH DISTRICT, HAMPSTEAD, CARROLL COUNTY, STATE OF MARYLAND

EXISTING USE: AGRICULTURAL FIELD

PROPOSED USE: SOLAR FARM



SITE MAP



DATA COLUMN		
1. TAX PARCEL NUMBER:	MAP 0032, GRID 0004, PARCEL 0029	MAP 0032, GRID 0004, PARCEL 0540
2. SITE ADDRESS:	BERT FOWLER ROAD HAMPSTEAD, MD 21074	BERT FOWLER ROAD HAMPSTEAD, MD 21074
3. ZONING:	AGRICULTURAL	AGRICULTURAL
4. PARCEL AREA:	36.47± ACRES (SDAT PROPERTY DATA)	6.67± ACRES (SDAT PROPERTY DATA)
5. DEVELOPMENT AREA:	NEW DEVELOPMENT	
6. SOURCE OF TITLE:	D.B. 8724-543	D.B.8724-556
7. EXISTING USE:	AGRICULTURAL	AGRICULTURAL
8. PROPOSED USE:	AGRICULTURAL/SOLAR FARM	SOLAR FARM
9. DATUM:	BENCHMARK: VERT.: NAVD83 HORZ.: NAD83	
10. SETBACKS:	STRUCTURE: SOLAR FARM FRONT: 40' 100' SIDE: 30' 100' REAR: 50' 100'	
11. FLOOD PLAIN MAP:	PER FEMA MAP NUMBER 24013C0094D, DATED OCTOBER 2, 2015, THE PROJECT LIMITS LIES WITHIN ZONE X, AREAS TO BE DETERMINED TO BE OUTSIDE OF 0.2% ANNUAL CHANCE FLOODPLAIN.	
12. PURPOSE OF PLAN:	THE PURPOSE OF THIS PLAN IS TO SHOW A PROPOSED SOLAR FARM AND ASSOCIATED IMPROVEMENTS AS SHOWN ON THE PLAN.	
13. DEBRIS DISPOSAL:	NO DEBRIS SHALL BE BURIED ON SITE. ANY BURIED DEBRIS ENCOUNTERED SHALL BE REMOVED AND DISPOSED OF AT AN APPROVED FACILITY.	
14. TOPOGRAPHY:	TOPOGRAPHIC SURVEY DATA SHOWN HEREON WAS PERFORMED BY WALLACE MONTGOMERY, LLP, APRIL 2026.	
15. BOUNDARY SURVEY:	A BOUNDARY SURVEY WAS NOT PERFORMED NOR REQUESTED. WALLACE MONTGOMERY TAKES NO RESPONSIBILITY FOR DISCREPANCIES RELATED TO THE BOUNDARY.	
16. WETLANDS:	NO WETLANDS WERE OBSERVED WITHIN PROJECT AREA.	
17. THIS PROJECT DOES NOT CONTAIN ANY LAND USES THAT QUALIFY AS STORMWATER HOTSPOTS.		
18. LIMITS OF DISTURBANCE:	THE TOTAL LIMITS OF DISTURBANCE (LOD) IS 21.75 ACRES.	
19. OWNER (PARCELS 0029 & 0540):	FLEMING FARM PROPERTIES, LLC 3601 MOUNT CARMEL ROAD UPPERCO, MD 21155	
20. DEVELOPER:	ARENA ASTER SOLAR, LLC 650 MASSACHUSETTS AVE. NW SUITE 600 WASHINGTON, DC 20001 GEORGE WOHLGEMUTH 202-841-4914 GWOHLGEMUTH@ARENARENEW.COM	
21. ENGINEER:	WALLACE MONTGOMERY, LLP 222 S. DUPONT HIGHWAY SUITE 202 DOVER, DE 19901 ALEXANDER SCHMIDT, P.E. 302-257-3100 ASCHMIDT@WALLACEMONTGOMERY.COM	

WATER RESOURCE IMPACT NOTES

WATER RESOURCE MANAGEMENT AREAS
THIS SITE IS LOCATED WITHIN AN AQUIFER PROTECTION AREA AND A SURFACE WATERSHED AREA.

TIER II WATERS
THIS SITE IS LOCATED WITHIN THE NORTH BRANCH OF THE PATAPSCO RIVER WATERSHED, A TIER II WATERSHED WITH NO ASSIMILATIVE CAPACITY REMAINING.

WELLHEADS/BUFFERS
NO WELLHEADS OR WELLHEAD BUFFERS EXIST WITHIN THE PROJECT LIMITS.

INDEX OF SHEETS

- 0900-SWP COVER SHEET
- 0901-SWP LEGEND
- 0902-SWP OVERALL INDEX PLAN
- 0903-SWP CONCEPTUAL STORMWATER MANAGEMENT PLAN - EXISTING CONDITIONS
- 0904-SWP CONCEPTUAL STORMWATER MANAGEMENT PLAN - EXISTING CONDITIONS
- 0905-SWP CONCEPTUAL STORMWATER MANAGEMENT PLAN - PROPOSED CONDITIONS
- 0906-SWP CONCEPTUAL STORMWATER MANAGEMENT PLAN - PROPOSED CONDITIONS
- 1000-SWD CONCEPTUAL STORMWATER MANAGEMENT DETAILS
- 0908-SWP EXISTING DRAINAGE AREA MAP
- 0909-SWP PROPOSED DRAINAGE AREA MAP

CERTIFICATION OF DEVELOPER

I HEREBY CERTIFY THAT ALL PROPOSED WORK SHOWN ON THESE CONSTRUCTION DRAWINGS WILL BE CONDUCTED IN STRICT ACCORDANCE WITH THESE PLANS. I ALSO UNDERSTAND THAT IT IS MY RESPONSIBILITY TO HAVE THE CONSTRUCTION SUPERVISED AND CERTIFIED, INCLUDING THE SUBMITTAL OF "AS-BUILT" PLANS CERTIFIED BY A REGISTERED PROFESSIONAL ENGINEER WITHIN THIRTY (30) DAYS OF COMPLETION OF WORK ON THE STORMWATER MANAGEMENT FACILITIES. I ALSO CERTIFY THAT THESE STORMWATER MANAGEMENT FACILITIES WILL BE INSPECTED DURING CONSTRUCTION BY A PROFESSIONAL ENGINEER IN ACCORDANCE WITH SECTIONS § 151.095 AND § 151.096 OF THE CODE OF PUBLIC LOCAL LAWS AND ORDINANCES OF CARROLL COUNTY.

SIGNED _____ DATE _____

CERTIFICATION OF PLAN ACCURACY

I HEREBY CERTIFY THAT THESE PLANS HAVE BEEN DESIGNED ACCORDING TO CHAPTER 151 OF THE CODE OF PUBLIC LOCAL LAWS AND ORDINANCES OF CARROLL COUNTY AND HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

SIGNED _____ DATE _____

LICENSE NO. 32420 EXPIRATION DATE 4/13/2028

WALLACE MONTGOMERY
 222 S. DUPONT HIGHWAY | SUITE 202 | DOVER, DE 19901 | 302-257-3100

REVISIONS/ADDENDUMS

SEAL

ARENA ASTER SOLAR LLC
 FOR
ARENA ASTER SOLAR, LLC
 MAP 0032, GRID 0004, PARCEL 0540
 HAMPSTEAD, SIXTH DISTRICT, CARROLL COUNTY, STATE OF MARYLAND
 EXISTING USE: AGRICULTURAL FIELD PROPOSED USE: SOLAR FARM

SHEET TITLE

COVER SHEET

AGENCY SUBMISSION

JUNE 18, 2026

DRAWN _____ CHK'D/DESIGNER _____

DLD/FRM **AES/DLD/FRM**
SCALE SHEET NO.

1" = 500'

PROJECT NO. 226001.0001 **0900-SWP**
COUNTY FILE NO. S-26-0051

M:\PROJECTS\202601\0001\GIS\Drawings\0900-SWP\Concept_SWP10-Cover.dwg, 6/18/2026
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MANMADE ROADSIDE FEATURES			
FEATURE DESCRIPTION	EXISTING	PROPOSED	ID
ASPHALT			
BOLLARD - CONCRETE			
BOLLARD - STEEL POLE			
BOLLARD - WOOD POST			
CURB	TYPE 1-8 TYPE 1-6 TYPE 1-4 TYPE 1-2 TYPE 2		
CURB & GUTTER	TYPE 1-8 TYPE 1-6 TYPE 1-4 TYPE 1-2 TYPE 3-8 TYPE 3-6 TYPE 3-4 TYPE 3-2		
FENCE - CHAINLINK			
FENCE - STOCKADE OR SPLIT RAIL			
FLAG POLE			
GUARDRAIL			
LAMP/LIGHT AND POST			
MAILBOX			
PILLAR OR MISCELLANEOUS POST			
SIGN AND POST			

DRAINAGE FEATURES			
FEATURE DESCRIPTION	EXISTING	PROPOSED	ID
DITCH OR STREAM CENTERLINE			
DIRECTIONAL STREAM FLOW ARROW			
DRAINAGE INLET			
DRAINAGE JUNCTION BOX			
DRAINAGE MANHOLE			
DRAINAGE PIPE AND FLOW ARROW	SIZE TYPE 		
FLARED END SECTION			
RIPRAP			
SAFETY END SECTION			
UNDERDRAIN			
UNDERDRAIN OUTLET			

GRADING		
FEATURE DESCRIPTION	EXISTING	PROPOSED
CONTOUR		
SPOT ELEVATIONS	X XX.XX	

EXISTING SLOPES	
15% TO 25%	
OVER 25%	

UTILITY FEATURES		
FEATURE DESCRIPTION	EXISTING	PROPOSED
CABLE TV DISTRIBUTION BOX		
COMMUNICATIONS - UNDERGROUND	UG-C	UG-C
ELECTRIC - UNDERGROUND	UG-E	UG-E
ELECTRIC MANHOLE		
ELECTRIC METER		
ELECTRIC TRANSFORMER/BOX/CABINET	E.T. E.B. E.C.	E.T. E.B. E.C.
GAS - UNDERGROUND	UG-G	UG-G
GAS MANHOLE		
GAS METER	G.M.	
GAS VALVE	G.V.	
GAS PUMP - SERVICE STATION	G.P.	
IRRIGATION - UNDERGROUND	IR	IR
ITMS - UNDERGROUND	ITMS	ITMS
KNOX BOX		
LIGHTING - UNDERGROUND	LI	LI
LUMINAIRE - POLE MOUNTED		
MANHOLE - UNDETERMINED OWNER		
RAILROAD TRACKS		
SANITARY - UNDERGROUND (SEE GENERAL NOTE 2)	SS-X	SS-X
SANITARY SEWER MANHOLE		
SANITARY SEWER VALVE	S.V.	S.V.
SANITARY SEWER CLEANOUT OR VENT		
SEPTIC DRAIN FIELD	S.D.F.	
SIGNALIZATION - UNDERGROUND	SIG	SIG
SOIL BORING LOCATION		
TELEPHONE BOOTH		
TELEPHONE MANHOLE		
TELEPHONE TEST POINT		
TRAFFIC - CONDUIT JUNCTION WELL	J.W.	
TRAFFIC - LIGHT POLE AND BASE		
TRAFFIC - PEDESTRIAN POLE & BASE		
TRAFFIC - SIGNAL CABINET & BASE		
TRAFFIC - SIGNAL POLE AND BASE		
UNKNOWN UTILITY - UNDERGROUND	UG-UK	
UTILITY BOX		
UTILITY POLE GUY WIRE ANCHOR		
UTILITY POLE		
UTILITY TEST HOLE LOCATION		
WALL PACK - LIGHTING		
WATER - UNDERGROUND (SEE GENERAL NOTE 2)	W-X	W-X
WATER - FIRE HYDRANT		
WATER METER	W.M.	
WATER VALVE	W.V.	
WATER - FIRE DEPARTMENT CONNECTION	F.D.C.	F.D.C.
WELL HEAD	WELL	

PAVEMENT SECTION(S)	
MILL AND OVERLAY - SEE TYPICAL SECTIONS FOR MATERIAL AND DEPTHS	
FULL DEPTH PAVEMENT	
SHARED USE PATH	
GRAVEL	
CONCRETE	

NATURAL ROADSIDE FEATURES		
FEATURE DESCRIPTION	EXISTING	PROPOSED
HEDGEROW OR THICKET		
MARSH BOUNDARY LINE		
TREE - CONIFEROUS		
TREE - DECIDUOUS		
TREE STUMP		
SHRUBBERY		
WETLAND BOUNDARY - DELINEATED		
WOODS LINE BOUNDARY		
FLOODPLAIN (SEE GENERAL NOTE 2)	FP-XX	

RIGHT-OF-WAY FEATURES		
FEATURE DESCRIPTION	EXISTING	PROPOSED
ADJOINER PROPERTY LINE		
DENAL OF ACCESS	DA	DA
EASEMENT - OTHERS		
PERMANENT EASEMENT	PE	PE
PROPERTY LINE		
PROPERTY MARKER - CONCRETE	CM	C.M.
PROPERTY MARKER - IRON PIPE	I.P.	I.P.
RIGHT-OF-WAY BASELINE	100+00	100+00
RIGHT-OF-WAY LINE	RW	RW
RIGHT-OF-WAY & DENIAL OF ACCESS	R/W-DA	R/W-DA
RIGHT-TO-ENTER		RTE
TEMPORARY CONSTRUCTION EASEMENT		TCE
CLEAR ZONE		CZ
HORIZONTAL CLEARANCE		HC

SURVEY CONTROL & MONUMENTATION	
FEATURE DESCRIPTION	EXISTING
SURVEY BENCHMARK LOCATION	B.M.
SURVEY TIE POINT LOCATION	T.P.
SURVEY TRAVERSE POINT	

MISCELLANEOUS FEATURES	
FEATURE DESCRIPTION	PROPOSED
BUTT JOINT	
CLEAR ZONE	CZ
CONSTRUCTION BASELINE	100+00
LIMIT OF CONSTRUCTION	LOC
DEMOLITION	
P.C.C. SIDEWALK	
6" P.C.C. SIDEWALK	
PAVEMENT PATCH	
ACCESSIBLE RAMP	
SAW CUT	SAW
ZONING LINE	ZONE

EROSION & SEDIMENT CONTROL FEATURES	
FEATURE DESCRIPTION	PROPOSED
LIMIT OF DISTURBANCE	LOD-LOC
PORTABLE SEDIMENT TANK	ST
PUMPING PIT	PP-2
SILT FENCE	SF
COMPOST FILTER LOG	CFL
SENSITIVE AREA PROTECTION	SAP

IDENTIFIERS	
FEATURE DESCRIPTION	ID
ABANDON BY CONTRACTOR	AB-C
ABANDON BY OTHERS	AB-O
ADJUST BY CONTRACTOR	A-C
ADJUST BY OTHERS	A-O
BEST MANAGEMENT PRACTICE	BMP-XX
BUS STOP PAD / TYPE	BSP-XX
BUS STOP WITH SHELTER PAD / TYPE	BSSP-XX
CONCRETE SAFETY BARRIER	B-XX
CONVERT TO JUNCTION BOX	CJB-XX
CONVERT TO DRAINAGE MANHOLE	CDM-XX
DO NOT DISTURB	DND
ENERGY DISSIPATOR	ED-XX
FILL WITH FLOWABLE FILL	FF-C
LANDSCAPE PLANTINGS	LS-XX
PEDESTRIAN CONNECTION / TYPE	PC-XX
RELOCATE BY CONTRACTOR	RL-C
RELOCATE BY OTHERS	RL-O
RELOCATE BY PROPERTY OWNER	RL-PO
REMOVE BY CONTRACTOR	RM-C
REMOVE BY OTHERS	RM-O
REMOVE BY TRAFFIC CONTRACTOR	RM-TC
RIGHT-OF-WAY MONUMENT	RM-XX

ABBREVIATION SCHEDULE	
ABBREVIATION	DEFINITION
ADA	AMERICANS WITH DISABILITIES ACT
ALLOW.	ALLOWABLE
ASD	ALLOWABLE STRESS DESIGN
ALUM	ALUMINUM
BL	BASE LINE
BOTT	BOTTOM
BRG	BEARING
CAP	CAPACITY
CJ	CONTROL JOINT
CL	CENTER LINE
CLR	CLEAR
CONC	CONCRETE
CONN	CONNECTION
CORR	CORROGATED
CSJ	CONSTRUCTION JOINT
DFM	DIVISION OF FACILITIES MANAGEMENT
DIAG	DIAGONAL
DL	DEAD LOAD
DNREC	DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL
DOL	DEPARTMENT OF LABOR
DOT	DEPARTMENT OF TRANSPORTATION
E.F.	EACH FACE
EL.	ELEVATION
EQU.	EQUAL
EX.	EXIST.
F.F.	FAR FACE
F _c	COMPRESSIVE STRENGTH OF CONCRETE
FIN. FL.	FINISHED FLOOR
FIN. GR.	FINISHED GRADE
FND	FOUNDATION
FTG	FOOTING
F _y	YIELD STRENGTH OF STEEL
GABC	GRADED AGGREGATE BASE COURSE
GALV	GALVANIZED
HORIZ	HORIZONTAL
HT	JOINT
KSI	KIPS PER SQUARE INCH
LL	LIVE LOAD
LLV	LONG LEG VERTICAL
LLH	LONG LEG HORIZONTAL
LLBB	LONG LEG BACK TO BACK
LOC	LIMIT OF CONSTRUCTION
LOD	LIMIT OF DISTURBANCE
LRFD	LOAD RESISTANCE FACTORED DESIGN
MHW	MEAN HIGH WATER
MTL	METAL
NO	NUMBER
NOM	NOMINAL
N.F.	NEAR FACE
O.C.	ON CENTER
DHW	ORDINARY HIGH WATER
OPP	OPPOSITE
P.L.	PROPERTY LINE
PL	PLATE
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
REBAR	REINFORCING BAR
ROW, RW, R/W	RIGHT OF WAY
SF	SILT FENCE
SIM	SIMILAR
SLBB	SHORT LEG BACK TO BACK
SS	STAINLESS STEEL
STA	STATION
STD	STANDARD
STL	STEEL
STR	STRAIGHT
T&B	TOP AND BOTTOM
TYP	TYPICAL
UHMW	ULTRA HIGH MOLECULAR WEIGHT
UNIF	UNIFORM
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
WSE	WATER SURFACE ELEVATION
WWF	WELDED WIRE FABRIC

NOTE: NOT ALL ABBREVIATIONS INCLUDED IN THESE PLANS

GENERAL NOTE:
1. ALL ITEMS SHOWN MAY NOT BE PRESENT ON ALL SHEETS, OR PART OF THIS PROJECT.
2. REFER TO PLAN SHEET FOR APPROPRIATE DESIGNATION.



REVISIONS/ADDENDUMS

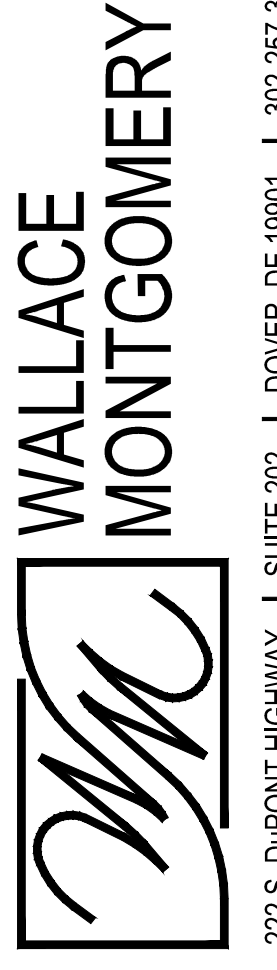
SEAL

ARENA ASTER SOLAR LLC
FOR
ARENA ASTER SOLAR, LLC
MAP 0032, GRID 0004, PARCEL 0540
HAMPSTEAD, SIXTH DISTRICT, CARROLL COUNTY, STATE OF MARYLAND
EXISTING USE: AGRICULTURAL FIELD PROPOSED USE: SOLAR FARM

PROJECT SHEET TITLE
LEGEND

AGENCY SUBMISSION
JUNE 18, 2026
DRAWN: CHK'D/DESIGNER
DLD/FRM: AES/DLD/FRM
SCALE: SHEET NO.
N.T.S.
PROJECT NO. 0901-SWP
COUNTY FILE NO. S-26-0051

SOIL CLASSIFICATIONS		
SOIL TYPE	SOIL DESCRIPTION	SOIL RATING
Bd	BRINKLOW CHANNERY LOAM, 15 TO 25% SLOPES	C
GcB	GLENELG CHANNERY LOAM, 3 TO 8% SLOPES	B
GcB	GLENVILLE SILT LOAM, 3 TO 8% SLOPES	C/D
GcC	GLENVILLE SILT LOAM, SOMEWHAT POORLY DRAINED, 8 TO 15% SLOPES	C/D
MbB	MANOR CHANNERY LOAM, 3 TO 8% SLOPES	B
MbC	MANOR CHANNERY LOAM, 8 TO 15% SLOPES	B



REVISIONS/ADDENDUMS

WALLACE
MONTGOMERY
222 S. DUPONT HIGHWAY | SUITE 202 | DOVER, DE 19901 | 302-257-3100

SCALE

ARENA ASTER SOLAR LLC
FOR
ARENA ASTER SOLAR, LLC
MAP 0032, GRID 0004, PARCEL 0540
HAMPSTEAD, SIXTH DISTRICT, CARROLL COUNTY, STATE OF MARYLAND
EXISTING USE: AGRICULTURAL FIELD PROPOSED USE: SOLAR FARM

PROJECT

SHEET TITLE

OVERALL INDEX PLAN

AGENCY
SUBMISSION

JUNE 18, 2026

DRAWN CHK'D/DESIGNER

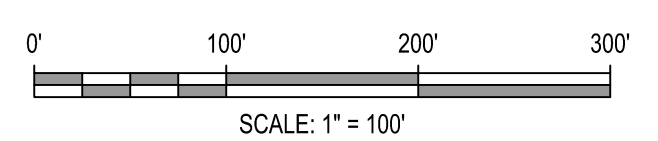
DLD/FRM AES/DLD/FRM
SCALE SHEET NO.

1" = 100'

PROJECT NO.
226001.0001
COUNTY FILE NO.

0902-SWP

S-26-0051



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WALLACE
MONTGOMERY



222 S. DUPONT HIGHWAY | SUITE 202 | DOVER, DE 19901 | 302-257-3100

REVISIONS/ADDENDUMS

SEAL

ARENA ASTER SOLAR LLC
FOR

ARENA ASTER SOLAR, LLC
MAP 0032, GRID 0004, PARCEL 0540

HAMPSTEAD, SIXTH DISTRICT, CARROLL COUNTY, STATE OF MARYLAND
EXISTING USE: AGRICULTURAL FIELD PROPOSED USE: SOLAR FARM

PROJECT

SHEET TITLE

CONCEPTUAL
STORMWATER
MANAGEMENT PLAN -
EXISTING CONDITIONS

AGENCY
SUBMISSION

JUNE 18, 2026

DRAWN

CHK'D/DESIGNER

DLD/FRM

AES/DLD/FRM

SCALE

SHEET NO.

1" = 40'

0903-SWP

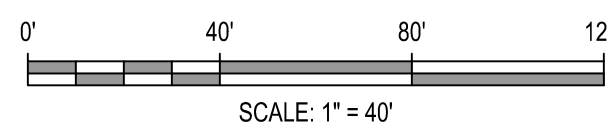
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226001.0001

COUNTY FILE NO.

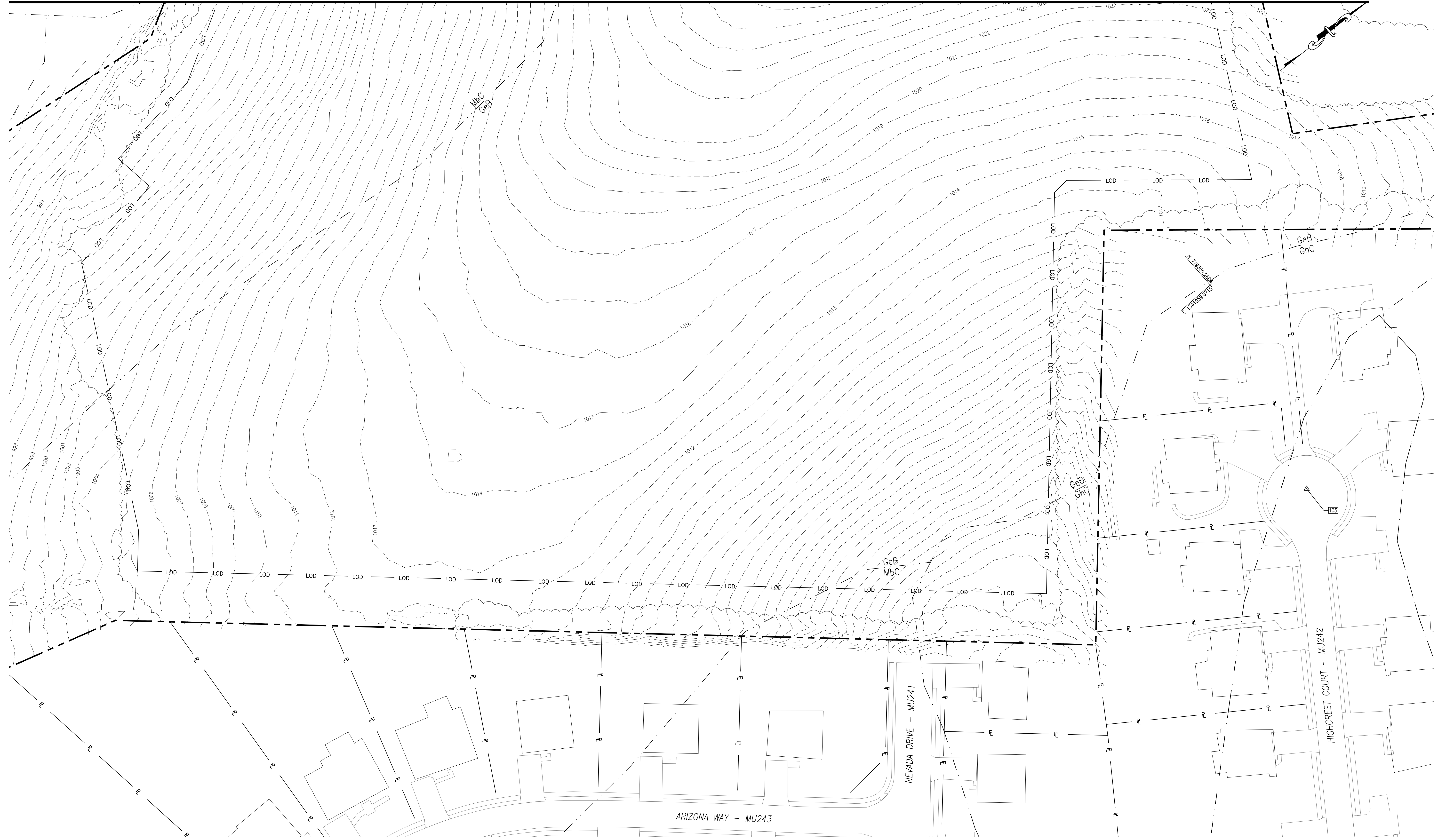
S-26-0051

MATCH LINE SEE SHEET SWP304



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MATCH LINE SEE SHEET SWP303



WALLACE
MONTGOMERY



222 S. DUPONT HIGHWAY | SUITE 202 | DOVER, DE 19901 | 302-257-3100

REVISIONS/ADDENDUMS

SEAL

ARENA ASTER SOLAR LLC

FOR

ARENA ASTER SOLAR, LLC

MAP 0032, GRID 0004, PARCEL 0540

HAMPSTEAD, SIXTH DISTRICT, CARROLL COUNTY, STATE OF MARYLAND

EXISTING USE: AGRICULTURAL FIELD PROPOSED USE: SOLAR FARM

PROJECT

SHEET TITLE

CONCEPTUAL
STORMWATER
MANAGEMENT PLAN -
EXISTING CONDITIONS

AGENCY
SUBMISSION

JUNE 18, 2026

DRAWN

CHK'D/DESIGNER

DLD/FRM

AES/DLD/FRM

SCALE

SHEET NO.

1" = 40'

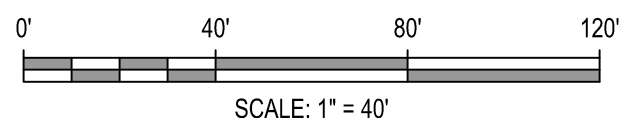
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PROJECT NO.

226001.0001

COUNTY FILE NO.

S-26-0051



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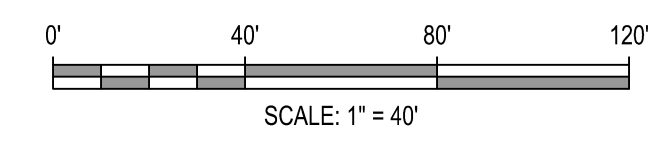


REVISIONS/ADDENDUMS

ARENA ASTER SOLAR LLC
 FOR
 ARENA ASTER SOLAR, LLC
 MAP 0032, GRID 0004, PARCEL 0540
 HAMPSTEAD, SIXTH DISTRICT, CARROLL COUNTY, STATE OF MARYLAND
 EXISTING USE: AGRICULTURAL FIELD PROPOSED USE: SOLAR FARM

CONCEPTUAL
 STORMWATER
 MANAGEMENT PLAN -
 PROPOSED CONDITIONS

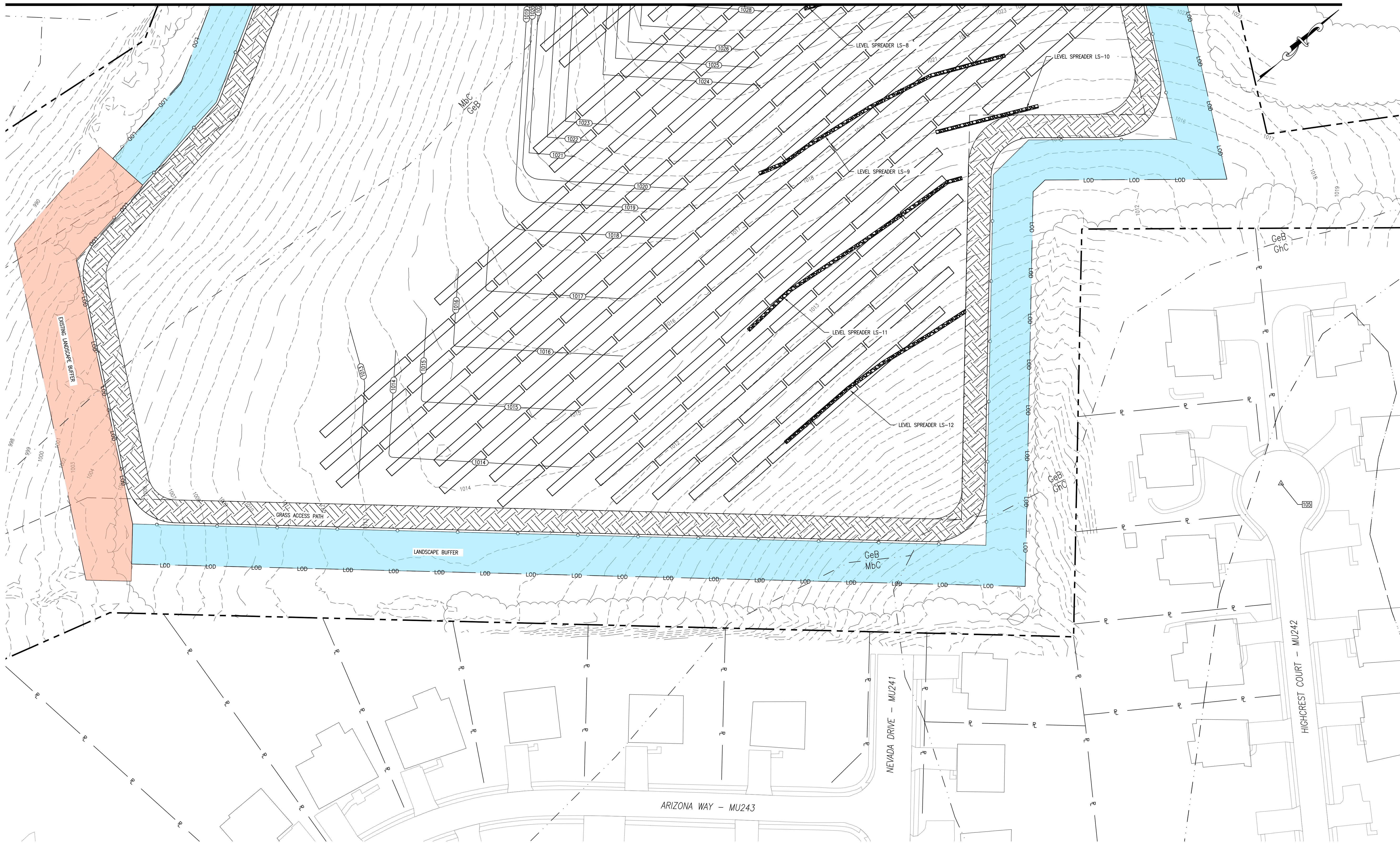
AGENCY
 SUBMISSION
 JUNE 18, 2026
 DRAWN: DLD/FRM
 SCALE: 1" = 40'
 PROJECT NO.: 226001.0001
 COUNTY FILE NO.: S-26-0051



MATCH LINE SEE SHEET SWP306

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MATCH LINE SEE SHEET SWP305



WALLACE MONTGOMERY

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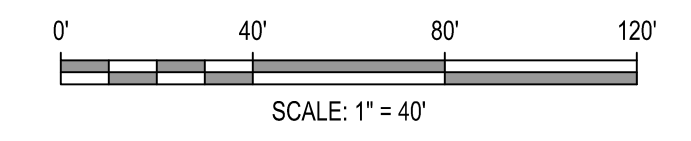
REVISIONS/ADDENDUMS

SEAL

ARENA ASTER SOLAR LLC
 FOR
ARENA ASTER SOLAR, LLC
 MAP 0032, GRID 0004, PARCEL 0540
 HAMPSTEAD, SIXTH DISTRICT, CARROLL COUNTY, STATE OF MARYLAND
 EXISTING USE: AGRICULTURAL FIELD PROPOSED USE: SOLAR FARM

CONCEPTUAL STORMWATER MANAGEMENT PLAN - PROPOSED CONDITIONS

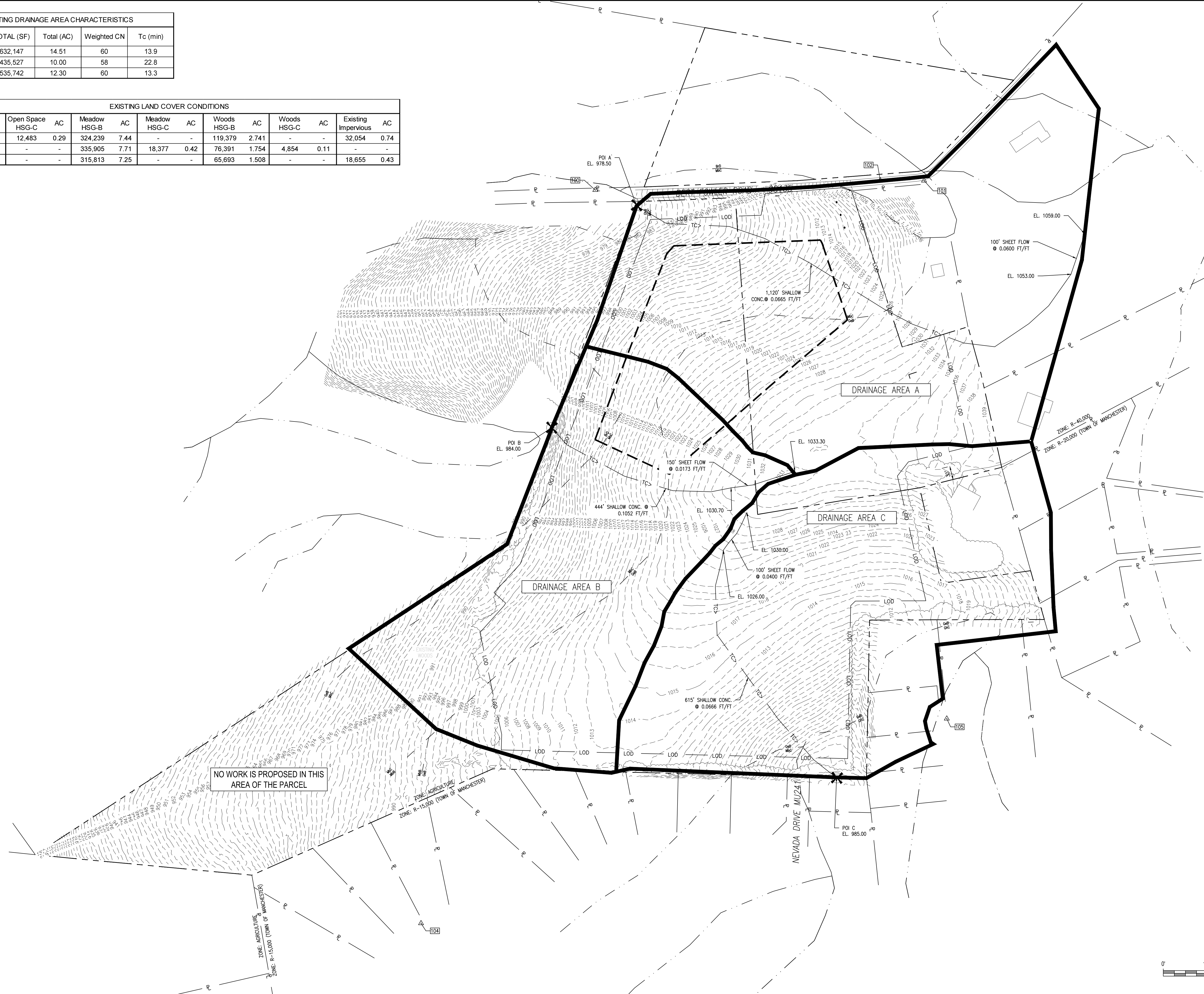
AGENCY SUBMISSION
 JUNE 18, 2026
 DRAWN: **DLD/FRM** CHK'D/DESIGNER: **AES/DLD/FRM**
 SCALE: **1" = 40'** SHEET NO.: **0906-SWP**
 PROJECT NO.: 226001.0001 COUNTY FILE NO.: S-26-0051



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EXISTING DRAINAGE AREA CHARACTERISTICS				
NAME	TOTAL (SF)	Total (AC)	Weighted CN	Tc (min)
DA-EX A	632,147	14.51	60	13.9
DA-EX B	435,527	10.00	58	22.8
DA-EX C	535,742	12.30	60	13.3

EXISTING LAND COVER CONDITIONS													
Open Space HSG-B		Open Space HSG-C		Meadow HSG-B		Meadow HSG-C		Woods HSG-B		Woods HSG-C		Existing Impervious	
AC	Weighted CN	AC	Weighted CN	AC	Weighted CN	AC	Weighted CN	AC	Weighted CN	AC	Weighted CN	AC	Weighted CN
143,992	3.31	12,483	0.29	324,239	7.44	-	-	119,379	2.741	-	-	32,054	0.74
-	-	-	-	335,905	7.71	18,377	0.42	76,391	1.754	4,854	0.11	-	-
135,581	3.11	-	-	315,813	7.25	-	-	65,693	1.508	-	-	18,655	0.43



222 S. DUPONT HIGHWAY | SUITE 202 | DOVER, DE 19901 | 302-257-3100

REVISIONS/ADDENDUMS

SEAL

ARENA ASTER SOLAR LLC
FOR
ARENA ASTER SOLAR, LLC
MAP 0032, GRID 0004, PARCEL 0540
HAMPSTEAD, SIXTH DISTRICT, CARROLL COUNTY, STATE OF MARYLAND
EXISTING USE: AGRICULTURAL FIELD PROPOSED USE: SOLAR FARM

EXISTING DRAINAGE AREA MAP

AGENCY SUBMISSION
JUNE 18, 2026
DRAWN: CHD/D/DESIGNER
DLD/FRM AES/DLD/FRM
SCALE SHEET NO.
1" = 100'
PROJECT NO. 226001.0001
COUNTY FILE NO. 0908-SWP
S-26-0051

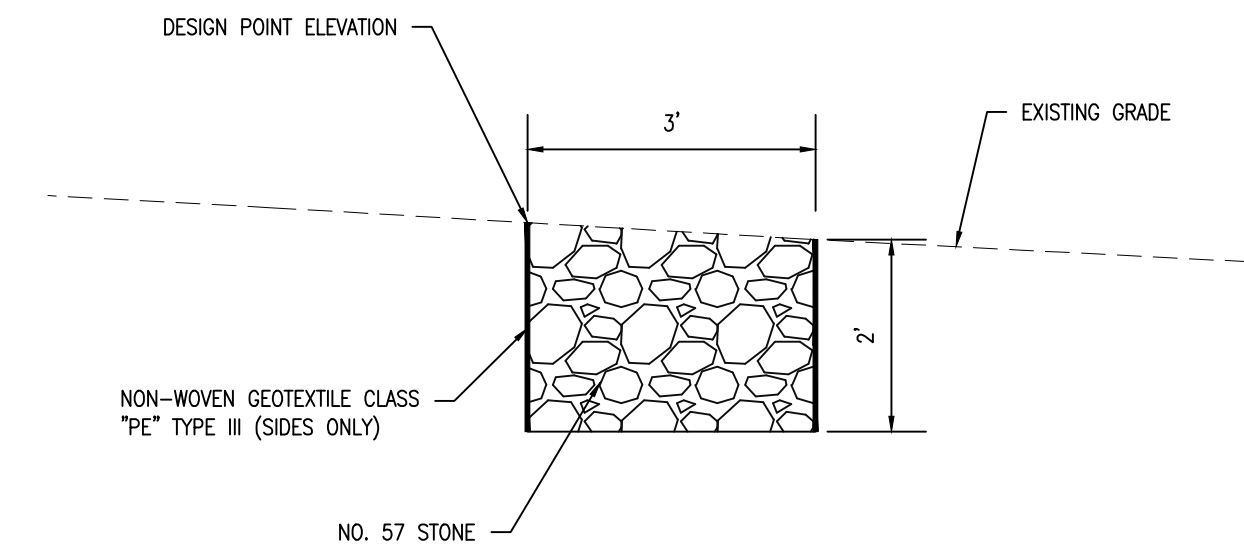
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ESD COMPUTATIONS									
POI	LOD Area (ac)	Impervious Area (ac)	Impervious % (I)	Pe Required (in)	Rv	ESDv Required (CF)	ESD Practice / Credit Basis	ESDv Provided (CF)	Pe Provided
POIA	7.44	0.382	5.1%	1	0.0959	2,591	Non-rooftop disconnection / RRCN-adjusted treatment	2,591	1
POIB	7.06	-	0.0%	1	0.05	1,281	Non-rooftop disconnection / Meadow stabilization	1,281	1
POIC	7.25	-	0.0%	1	0.05	1,316	Non-rooftop disconnection / Meadow stabilization	1,316	1
Total	21.75	0.382	1.8%			5,189		5,188	

LEVEL SPREADER SCHEDULE

NO.	LENGTH	TOP ELEVATION
LS-1	266	1017
LS-2	301	1014
LS-3	210	1009
LS-4	376	1007
LS-5	52	1005
LS-6	243	1007
LS-7	116	1012
LS-8	158	1028
LS-9	240	1020
LS-10	92	1017
LS-11	231	1014
LS-12	203	1007

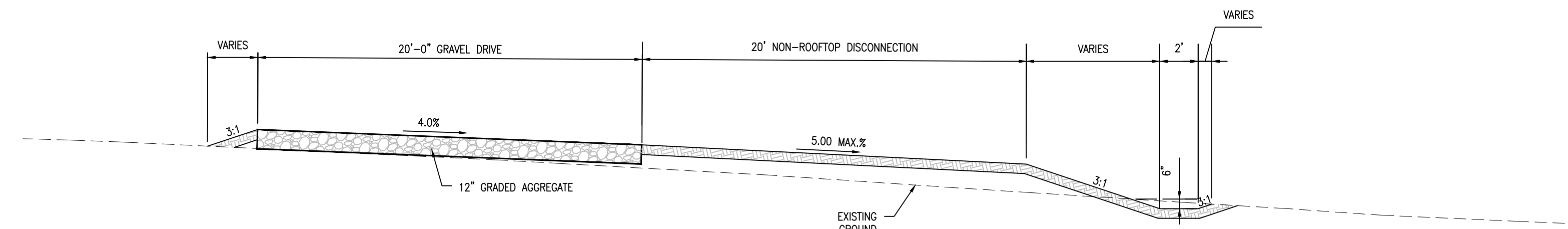


NOTES:

- CONTRACTOR TO INSTALL EXTRA GEOTEXTILE ON UPSTREAM SIDE OF LEVEL SPREADER TO FOLD OVER STONE IMMEDIATELY AFTER INSTALLATION.
- AFTER FINAL STABILIZATION OF UPSTREAM AREA CONTRIBUTING TO LEVEL SPREADER, CONTRACTOR SHALL CUT GEOTEXTILE FLUSH WITH SURFACE.

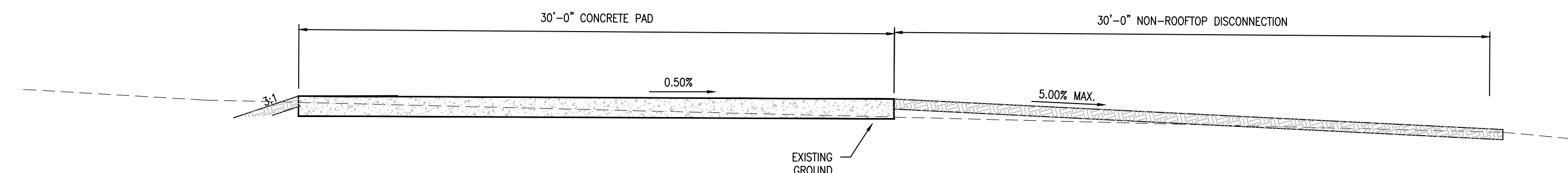
LEVEL SPREADER DETAIL

SCALE: 1" = 2'



NON-ROOFTOP DISCONNECTION NO. 1 TYPICAL DETAIL

SCALE: 1" = 5'



NON-ROOFTOP DISCONNECTION NO. 2 TYPICAL DETAIL

SCALE: 1" = 5'



222 S. DUPONT HIGHWAY | SUITE 202 | DOVER, DE 19901 | 302-257-3100

REVISIONS/ADDENDUMS

SCALE

ARENA ASTER SOLAR LLC
FOR
ARENA ASTER SOLAR, LLC
MAP 0032, GRID 0004, PARCEL 0540
HAMPSTEAD, SIXTH DISTRICT, CARROLL COUNTY, STATE OF MARYLAND
EXISTING USE: AGRICULTURAL FIELD PROPOSED USE: SOLAR FARM

PROJECT

SHEET TITLE

CONCEPTUAL
STORMWATER
MANAGEMENT DETAILS

AGENCY
SUBMISSION

JUNE 18, 2026

DRAWN CHK'D/DISIGNER

DLD/FRM AES/DLD/FRM
SCALE SHEET NO.

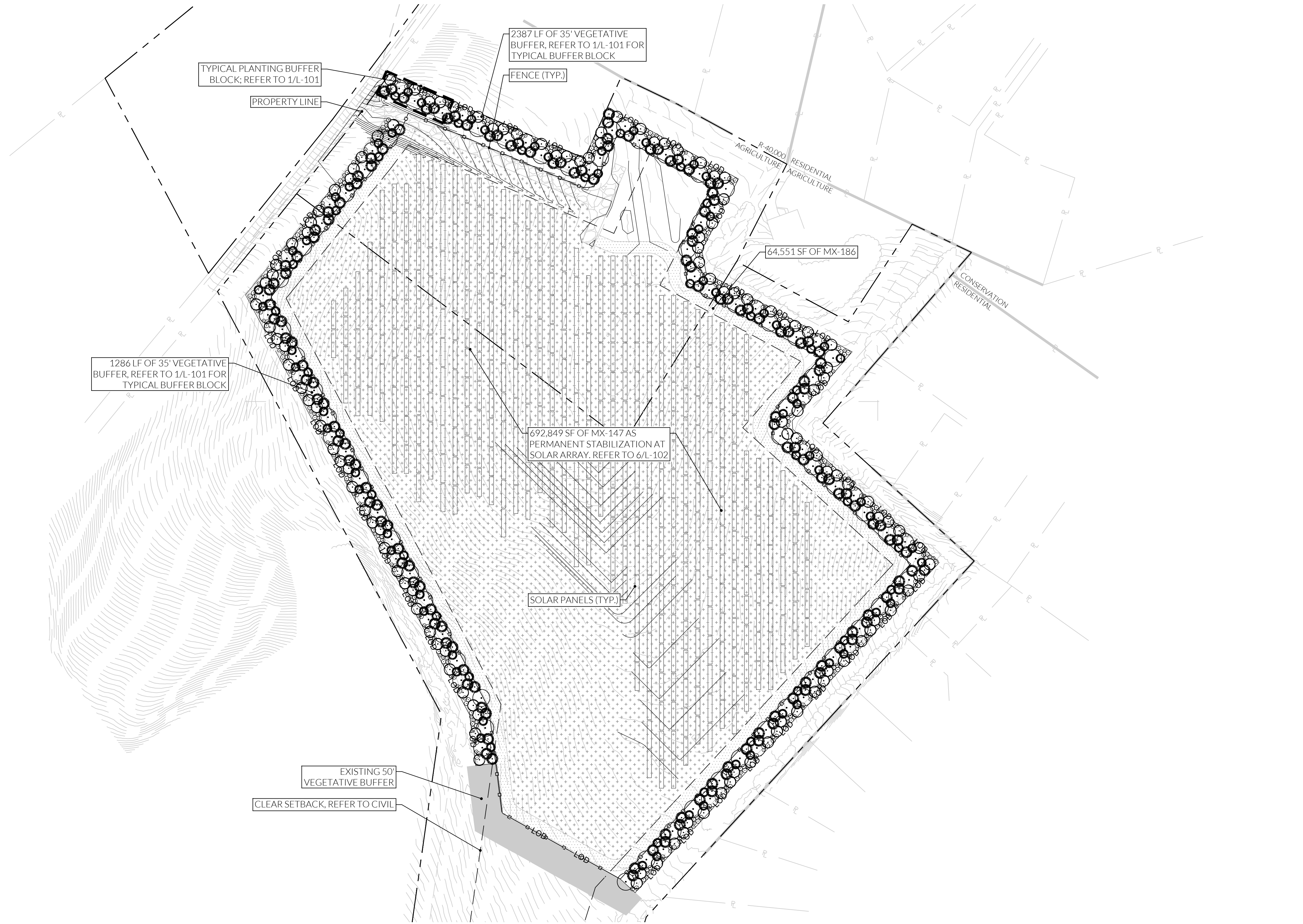
AS NOTED

PROJECT NO.
226001.0001

1000-SWD

COUNTY FILE NO.

S-26-0051



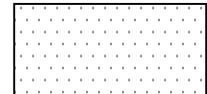
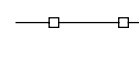

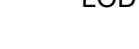


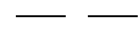
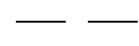
GENERAL NOTES:

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY SITE CONDITIONS PRIOR TO THE START OF ANY WORK. ANY DISCREPANCY FOUND SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT IMMEDIATELY.
- THE CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT IMMEDIATELY UPON FINDING ANY UNFORESEEN CONDITIONS.
- GRADING WILL BE MINIMIZED TO THE GREATEST EXTENT POSSIBLE.
- TOPSOIL WILL NOT BE REMOVED FROM THE PARCEL UNLESS FOR TEMPORARY STOCKPILING FOR GRADING PURPOSES.
- MAINTAIN POSITIVE DRAINAGE THROUGHOUT CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND PROPER DISPOSAL OF ANY WASTE FROM THE SITE.
- VEGETATIVE SCREENING WILL NOT BE TRIMMED TO STUNT UPWARD OR OUTWARD GROWTH OR TO OTHERWISE LIMIT THE EFFECTIVENESS OF THE VISUAL SCREEN.
- LANDSCAPING OR VEGETATIVE BUFFER WILL BE PRESERVED TO THE MAXIMUM EXTENT PRACTICABLE AND SUPPLEMENTED WITH NEW PLANTINGS WHERE NECESSARY.
- LANDSCAPING OR VEGETATIVE BUFFER WILL BE MAINTAINED WITH A 90% SURVIVAL THRESHOLD FOR THE LIFE OF THE SOLAR ENERGY GENERATING STATION THROUGH A MAINTENANCE AGREEMENT THAT INCLUDES A WATERING PLAN. FOLLOWING INSPECTION AND VERIFICATION OF A 90% SURVIVAL RATE, 50% OF THE PLANTING SURETY MAY BE RELEASED FIVE YEARS AFTER INSTALLATION. IF A 90% SURVIVAL RATE IS NOT MET, THE OPERATOR OR PROPERTY OWNER SHALL ADDRESS THE AFFECTED AREAS, AND NO SURETY WILL BE RELEASED AT THAT TIME. REMAINING SURETY WILL BE HELD FOR AN ADDITIONAL TWO YEARS. UPON INSPECTION AND VERIFICATION OF A 90% SURVIVAL RATE, THE REMAINING SURETY MAY BE RELEASED. IF A 90% SURVIVAL RATE IS NOT OBSERVED FOLLOWING SEVEN YEARS FROM INSTALLATION, THE COUNTY MAY CONTINUE TO HOLD 50% OF THE ORIGINAL SURETY UNTIL REASONABLE MITIGATION IS PERFORMED.
- HERBICIDES WILL NOT BE USED UNLESS TO CONTROL INVASIVE SPECIES IN COMPLIANCE WITH THE MARYLAND DEPARTMENT OF AGRICULTURE'S WEED CONTROL PROGRAM.
- MOWING AND OTHER UNNECESSARY LANDSCAPING WILL BE LIMITED TO THE MAXIMUM EXTENT POSSIBLE. REFER TO VEGETATIVE MANAGEMENT PLAN FOR GUIDANCE ON MOWING FOR NECESSARY MAINTENANCE OF MEADOW AREAS.
- REFER TO L-101 FOR PLANT SCHEDULE AND DETAILS.

PLANTING NOTES:

- ALL PLANT MATERIAL SHALL CONFORM TO THE SIZES GIVEN IN THE PLANT SCHEDULE AND SHALL BE NURSERY GROWN IN ACCORDANCE WITH THE LATEST EDITION OF THE "AMERICAN STANDARDS FOR NURSERY STOCK, ANSIZ60.1" PREPARED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
- THE CONTRACTOR MUST VERIFY THE CORRECT LOCATION OF ANY EXISTING UTILITIES WHICH ARE UNDERGROUND, PRIOR TO PLANT INSTALLATION. THE CONTRACTOR SHALL CALL MISS UTILITY (1-800-257-7777) A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION.
- MULCHING: ALL SEEDING AREAS SHALL RECEIVE MD SHA TYPE A BIODEGRADABLE MATTING OR AN APPROVED EQUAL.
- ALL PLANTS SHALL BE GUARANTEED TO REMAIN ALIVE AND HEALTHY FOR A PERIOD OF TWO FULL YEARS AFTER INITIAL ACCEPTANCE. ANY REPLACEMENT PLANTS AND METHODS OF INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS SPECIFIED HEREIN, WITHIN THE SPECIFICATIONS, AND ON THE DRAWINGS.
- SOILS WITHIN THE VEGETATIVE BUFFER BOUNDARIES WILL REQUIRE SOIL TESTS BY A STATE-CERTIFIED TESTING AGENCY. A MINIMUM OF 5 TESTS SHALL BE REQUIRED. CONTRACTOR TO SUBMIT TEST RESULTS FOR REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT FOR ACTION TO AMEND OR MODIFY SOILS AS DIRECTED BY THE TESTING AGENCY TO MEET SUITABLE GROWTH CONDITIONS. IF AMENDING OR MODIFYING SOIL TO MEET NECESSARY CONDITIONS IS NOT FEASIBLE, CONTRACTOR SHALL SUPPLY AND INSTALL A MINIMUM OF 4" OF TOPSOIL SUITABLE FOR SEEDING MIX APPLICATIONS.
- PLANT AVAILABILITY MAY VARY AT THE TIME OF CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE ANY SUBSTITUTIONS ARE OF EQUIVALENT TYPE AND SIZE (OR LARGER) AND MEET THE REQUIRED SPECIES, VEGETATION TYPE, AND DIVERSITY RATIOS AS REQUIRED BY LOCAL CODE. ANY SUBSTITUTIONS MUST BE SUBMITTED TO, AND APPROVED BY, THE LANDSCAPE ARCHITECT IN WRITING PRIOR TO INSTALLATION.
- ANY DAMAGE TO THE EXISTING UTILITIES, BUILDINGS, PAVING, CURBS, WALLS, VEGETATION AND/OR ANY OTHER EXISTING FEATURE, NOT DESIGNATED FOR REMOVAL ON THESE PLANS, SHALL BE REPAIRED TO PREVIOUS CONDITION OR REPLACED BY THE CONTRACTOR AT HIS OR HER EXPENSE.

LEGEND:

	MAINTENANCE AND ACCESS PATHS		SITE FENCE
	MEADOW SEED MIX		LIMIT OF DISTURBANCE
	EXISTING 50' VEGETATIVE BUFFER		PROPERTY LINE
			100' SETBACK
			100' SETBACK

1 LANDSCAPE PLAN
PLAN

FTLA-2624-L100 Landscape Plan.dwg
SCALE: 1" = 100'



WALLACE MONTGOMERY
landscape architects
222 S. DUPONT HIGHWAY | SUITE 202 | DOVER, DE 19901 | 302-257-3100

FLORA TEETER
landscape architect
1001 NORTH CHARLES ST. STE. 500
BALTIMORE, MARYLAND 21201
PHONE: 410-528-9395

REVISIONS/ADDENDUMS

SEAL

PROJECT
SHEET TITLE

ARENA ASTER SOLAR LLC
FOR
ARENA RENEWABLES, LLC
MAP 0032, GRID 0004, PARCEL 0540
HAMPSTEAD, SIXTH DISTRICT, CARROLL COUNTY, STATE OF MARYLAND
EXISTING USE: AGRICULTURAL FIELD PROPOSED USE: SOLAR FARM

LANDSCAPE PLAN

AGENCY
SUBMISSION
JUNE 18, 2026

DRAWN: NS
SCALE: NS

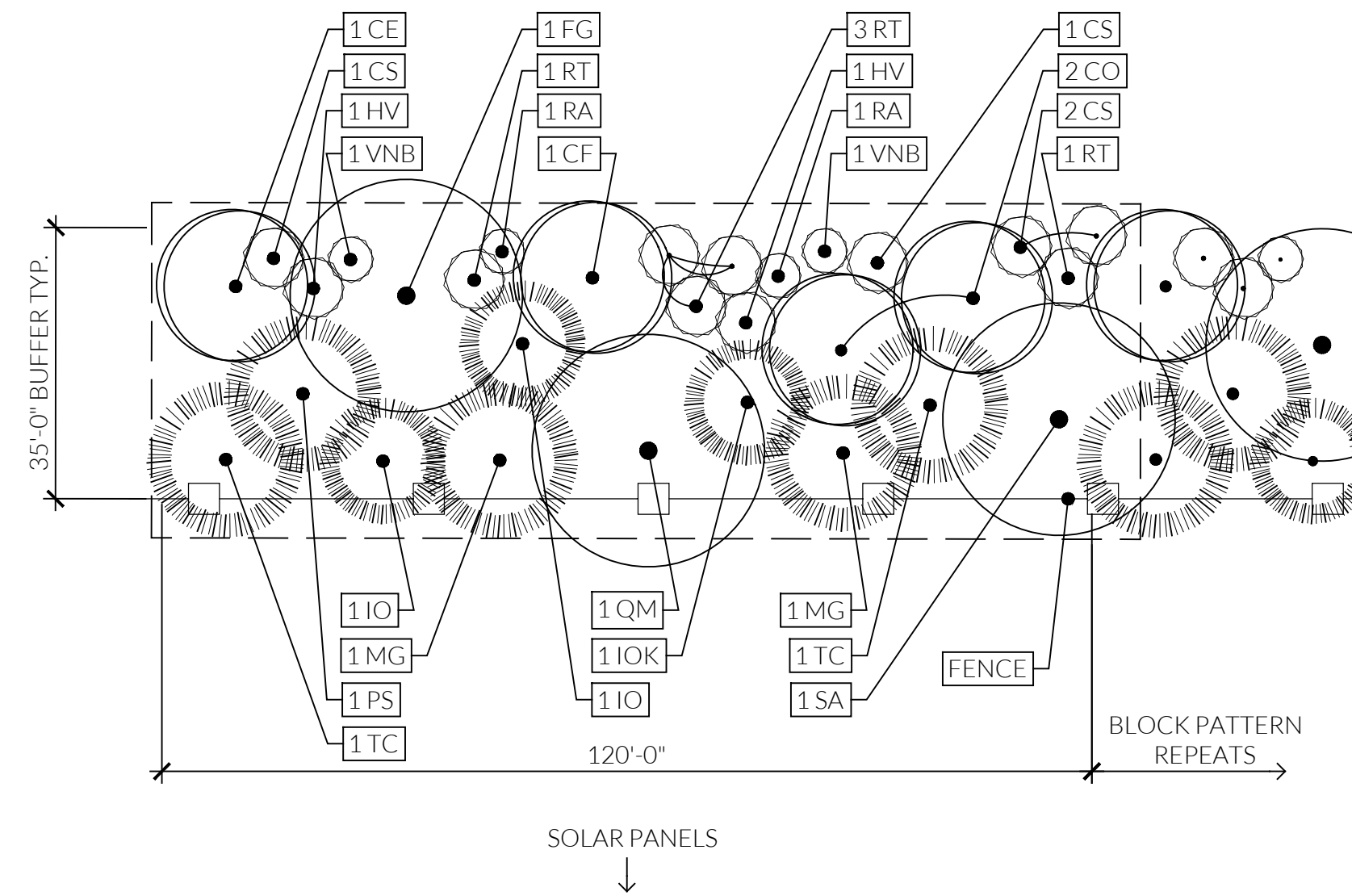
CHK'D/DESIGNER: DH/NS
SHEET NO.:

AS NOTED 1300-LSC

PROJECT NO. 226001.0001
COUNTY FILE NO. S-26-0051

P:\FLA Projects\2624_Arena Aster Solar Project (MWD)\Drawings\FLA\Sheet\FLA-2624-L100 Landscape Plan.dwg, 6/23/2026

This drawing is the property of Wallace Montgomery, LLC and is prepared for the exclusive use of its clients at the location indicated. No other use is authorized or intended.



BUFFER REQUIREMENTS:

SOLAR ENERGY GENERATING SYSTEMS REQUIRE A 35' PLANTED BUFFER.
 PLANTING UNITS (PU) SHALL BE GENERATED AT ONE (1) PU PER TEN (10)
 LINEAR FEET OF PERIMETER TO BE SCREENED.

PERIMETER LANDSCAPE EDGE - PLANTING REQUIREMENTS FOR GROUND MOUNTED SOLAR						
PERIMETER LENGTH (LF)	REQUIRED PLANTS		TYPE OF PLANT	PUs PER TYPE	PROPOSED QUANTITY	TOTAL PUs
	PUs PER LF	TOTAL PUs REQUIRED				
3673	1PU / 10 LF	367.3	MAJOR TREES	1	92	92
			MINOR TREES	0.50	123	61.5
			EVERGREEN TREES	0.5	247	123.5
			SHRUBS	0.2	453	90.6
					TOTAL PUs PROPOSED:	

1 TYPICAL PLANTING BUFFER BLOCK PLAN ENLARGEMENT FTLA-2624-L100 Landscape Plan.dwg SCALE: 1" = 20'-0"



PLANT SCHEDULES

PLANT SCHEDULE: 35' VEGETATIVE BUFFER

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	NATIVE	REMARKS
MAJOR TREES							
FG	31	Fagus grandifolia	American Beech	2.5" Cal.	B&B	Native	
QM	31	Quercus macrocarpa	Bur Oak	2.5" Cal.	B&B	Native	
SA	30	Sassafras albidum	Sassafras	2.5" Cal.	B&B	Native	
MINOR TREES							
CE	31	Cercis canadensis	Eastern Redbud Multi-trunk	1" Cal.	B&B	Native	
CF	31	Cornus florida	Flowering Dogwood	1" Cal.	B&B	Native	
CO	61	Cotinus obovatus	American Smoke Tree	1" Cal.	B&B	Native	
EVERGREEN TREES							
IOK	31	Ilex opaca 'Jersey Knight'	American Holly	8' Ht.	B&B	Native	
IO	62	Ilex opaca 'Jersey Princess'	American Holly	8' Ht.	B&B	Native	
MG	62	Magnolia grandiflora	Southern Magnolia	8' Ht.	B&B	Native	
PS	31	Pinus strobus	White Pine	8' Ht.	B&B	Native	
TC	61	Tsuga caroliniana	Carolina Hemlock	8' Ht.	B&B	Native	
SHRUBS							
CS	117	Cornus sericea	Red Twig Dogwood	#3	Pot	Native	
HV	62	Hamamelis virginiana	Common Witch Hazel	#5	Pot	Native	
RA	62	Rhus aromatica	Fragrant Sumac	#3	Pot	Native	
RT	150	Rhus typhina	Staghorn Sumac	#5	Pot	Native	
VNB	62	Viburnum nudum 'Bulk'	Brandywine™ Viburnum	#5	Pot	Native	

PLANT SCHEDULE: SEED MIXES

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	REMARKS
GROUND COVERS						
MX-147	692.859 sf 668.05 lbs	ERNMX-147 - Fuzz & Buzz Mix - Premium	Ernst Seeds	---		The Fuzz & Buzz Premium seed mix addresses sheep nutritional needs and provides low-growing, low-maintenance vegetation for solar sites. Species were selected with ASGA guidance. Included wildflowers support pollinators. 42.00 lb per 1.00 acre
MX-186	64.551 sf 258.2 lbs	ERNMX-186 - Ernst Solar Farm Seed Mix	Ernst Seeds	---		Maintain 2 ft. clearance between ground and solar panels to leave space for this mix. 4.00 lb per 1000.00 sq. ft.

WALLACE MONTGOMERY
 222 S. DUPONT HIGHWAY | SUITE 202 | DOVER, DE 19901 | 302-257-3100

FLOURA TEETER
 landscape architects
 1001 NORTH CHARLES ST. STE. 500
 BALTIMORE, MARYLAND 21201
 PHONE: 410-528-8395

REVISIONS/ADDENDUMS

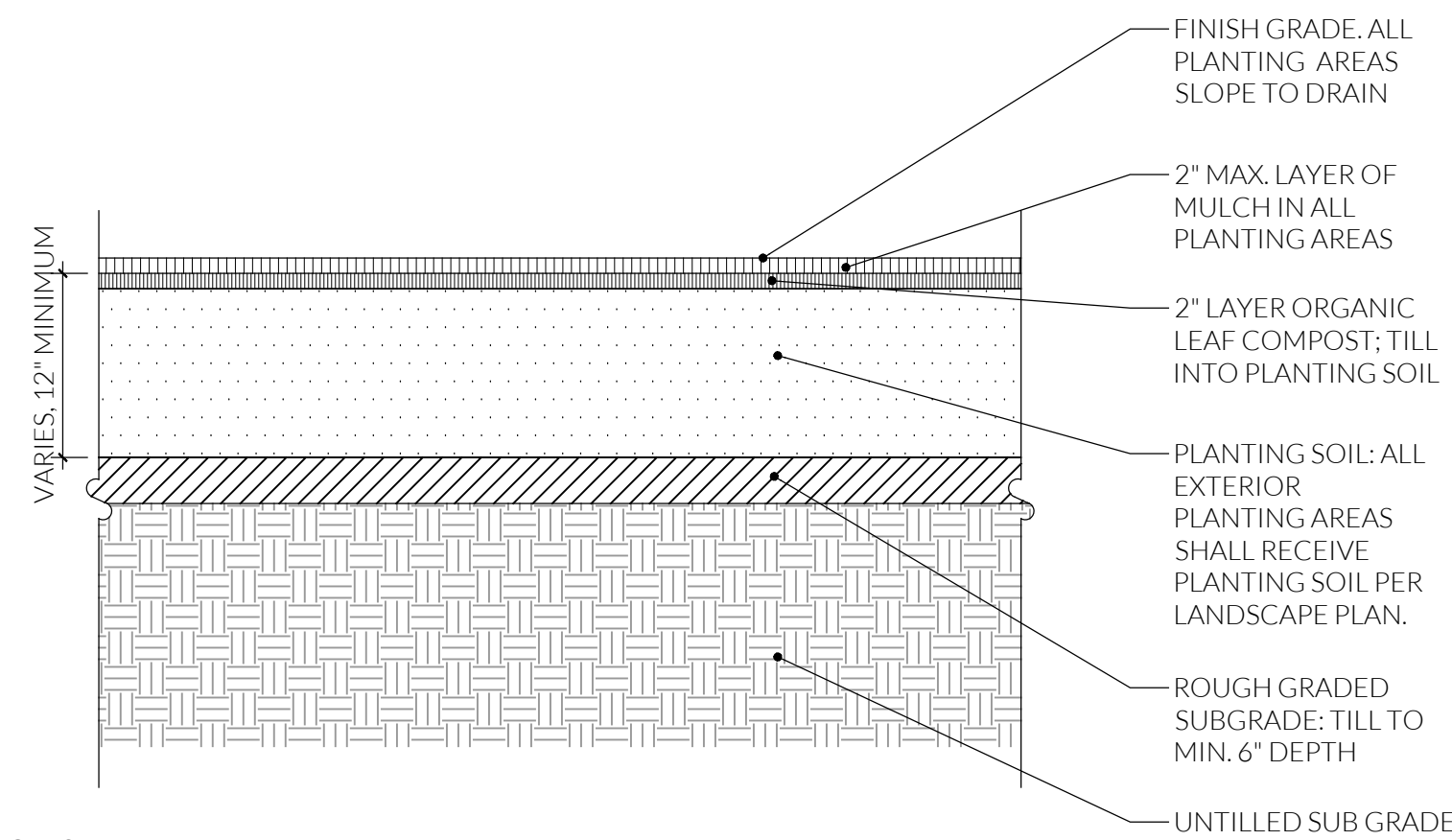
SEAL

ARENA ASTER SOLAR LLC
 FOR
 ARENA RENEWABLES, LLC
 MAP 0032, GRID 0004, PARCEL 0540
 HAMPSTEAD, SIXTH DISTRICT, CARROLL COUNTY, STATE OF MARYLAND
 EXISTING USE: AGRICULTURAL FIELD PROPOSED USE: SOLAR FARM

LANDSCAPE SCHEDULES

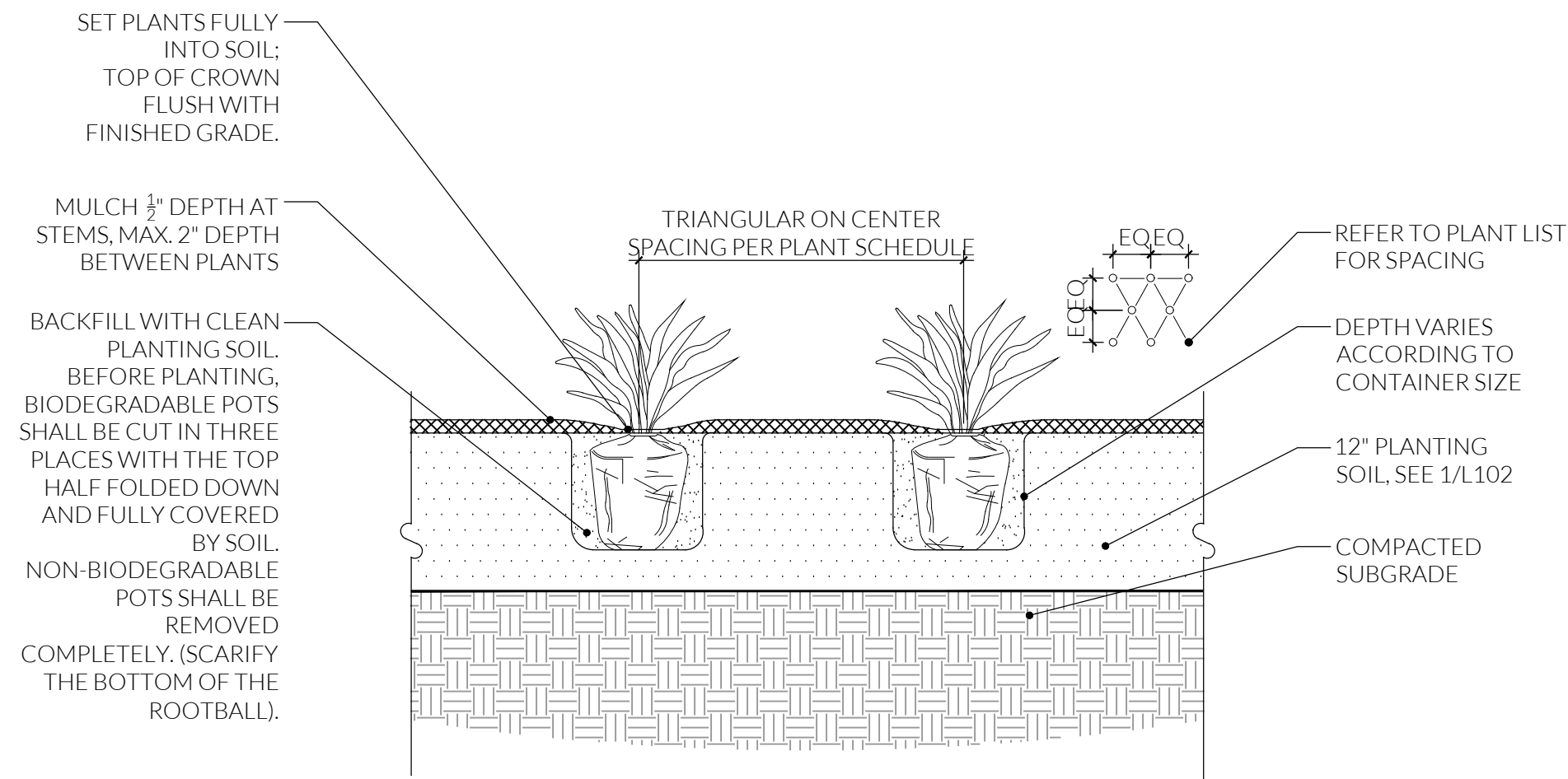
AGENCY SUBMISSION
 JUNE 18, 2026
 DRAWN: NS CHK'D/DESIGNER: DH/NS
 SCALE: SHEET NO.
 AS NOTED 1301-LSC
 PROJECT NO. 226001.0001
 COUNTY FILE NO. S-26-0051

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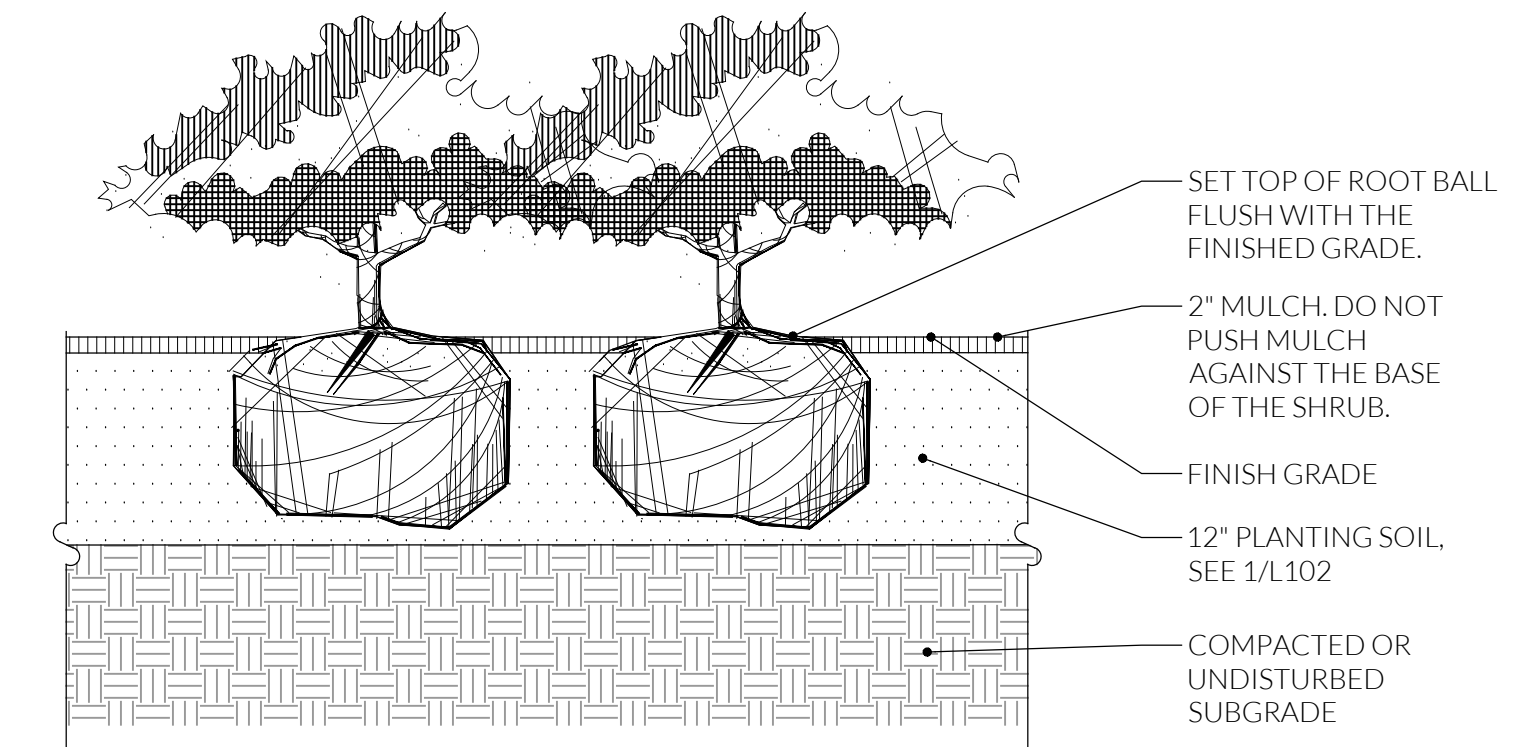


- NOTES:
1. PROVIDE A MINIMUM 12" PLANTING SOIL IN ALL PLANTING AREAS.
 2. ROTOTILL SUBGRADE TO A DEPTH OF 6" PRIOR TO PLACEMENT OF TOPSOIL AND ORGANIC MATERIALS.
 3. PLACE PLANTING SOIL ON TOP OF TILLED SUBGRADE IN 6" LIFTS TO DEPTH REQUIRED.
 4. COMPACT EACH LIFT TO 85%.
 5. FINE GRADE FINISHED PLANTING BED AREA PRIOR TO MULCHING.
 6. PLANT AS PER DETAILS AND NOTES.
 7. PROTECT PREPARED PLANTING BEDS FROM SUBSEQUENT CONSTRUCTION ACTIVITY.

1 PLANTING BED PREPARATION SECTION d-bedprep.dwg
SCALE: 1/2" = 1'-0"

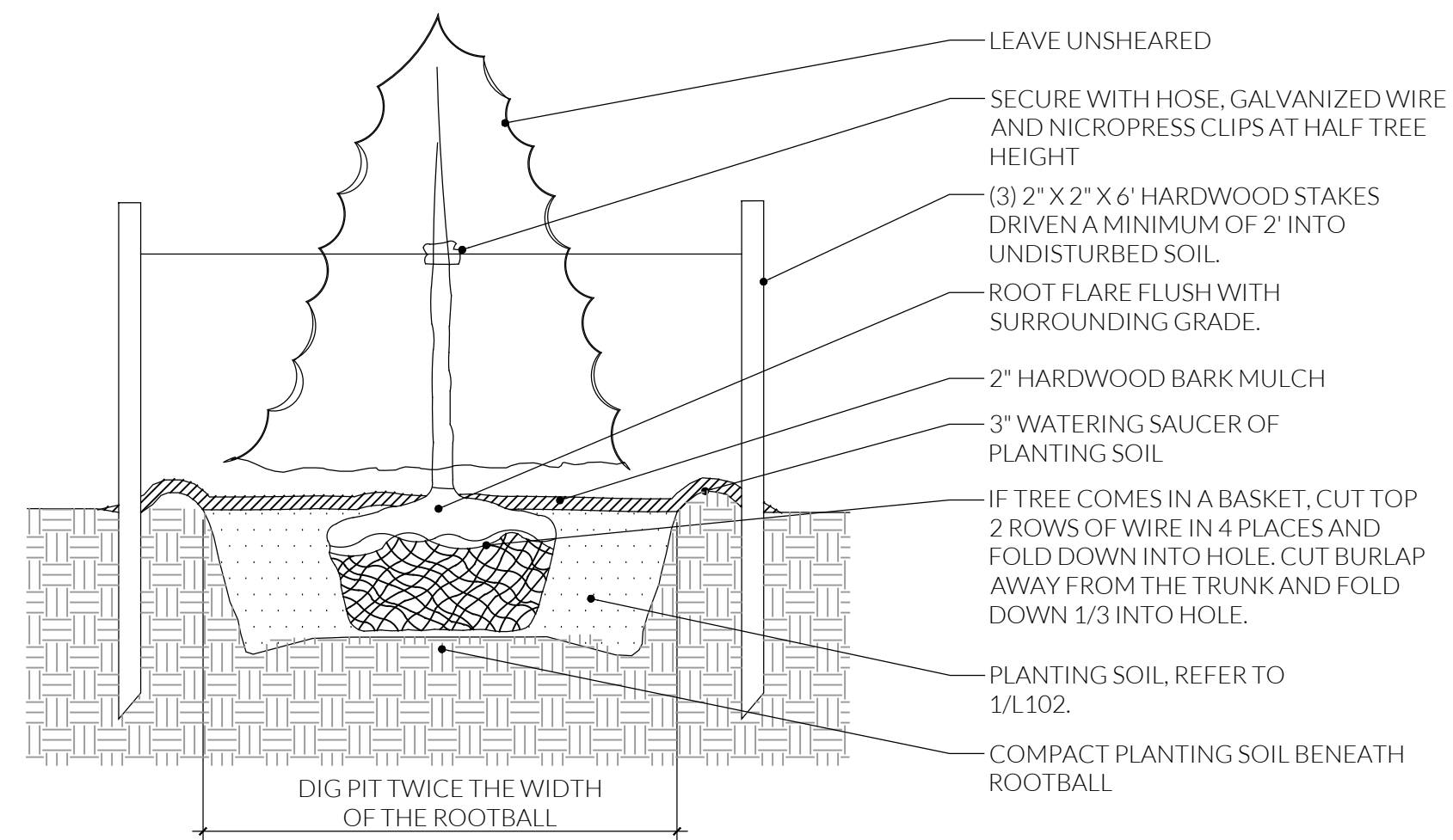


2 PERENNIAL PLANTING SECTION d-perennial planting.dwg
SCALE: 1/2" = 1'-0"

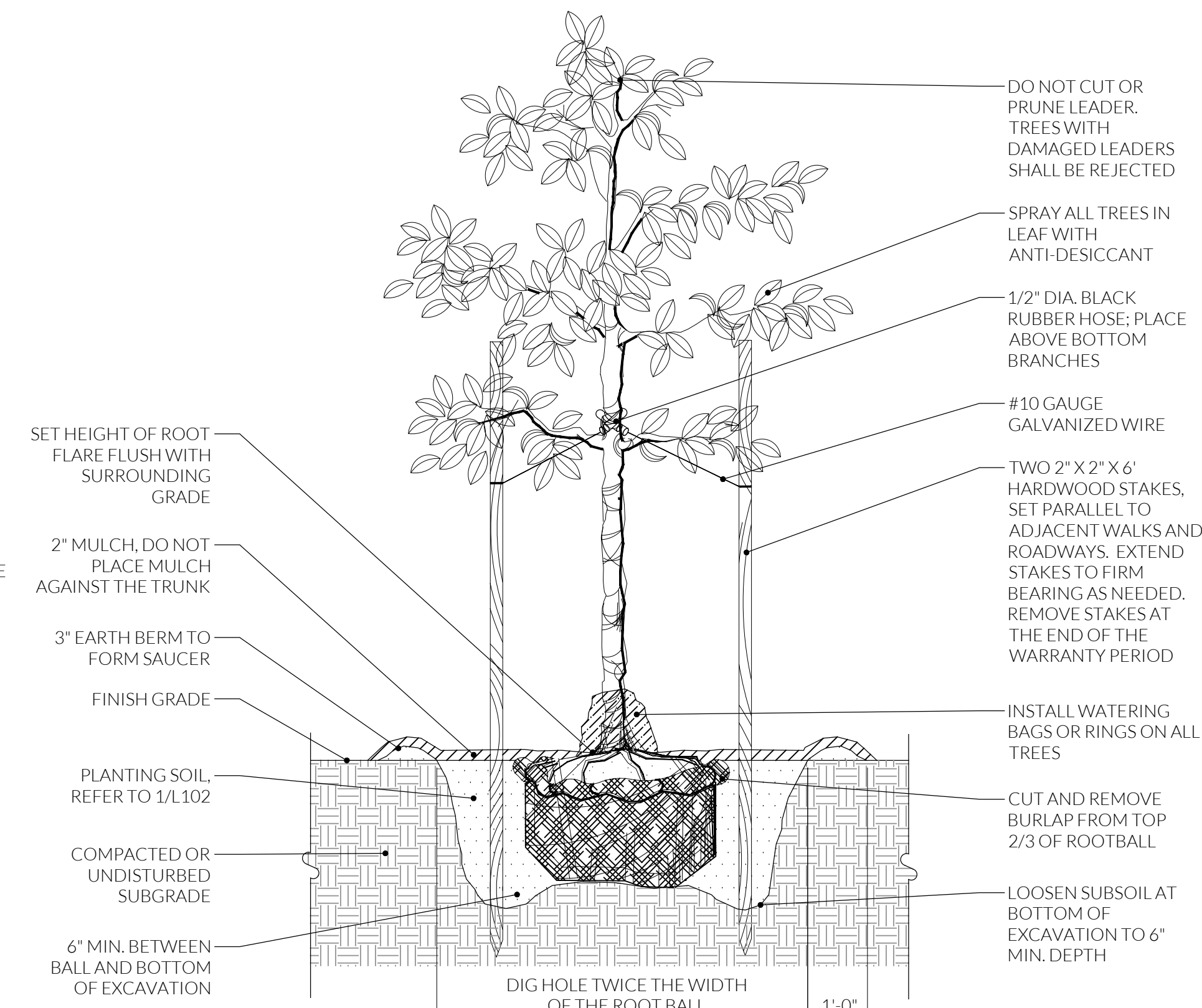


- NOTES:
1. COMPLETELY REMOVE ALL NON-BIODEGRADABLE CONTAINERS AND SCARIFY ROOTBALL.
 2. FOR B&B, CUT AND REMOVE BURLAP FROM TOP 1/3 OF ROOTBALL.
 3. PROVIDE 12" MIN. DEPTH OF CONTINUOUS PLANTING SOIL FOR SHRUB BEDS.
 4. SHRUBS IN PLANTING BEDS SHALL BE CONTINUALLY MULCHED WITHIN A BED WITH CLEAN SPADED EDGE.

3 SHRUB PLANTING SECTION d-shrub planting.dwg
SCALE: 1/2" = 1'-0"

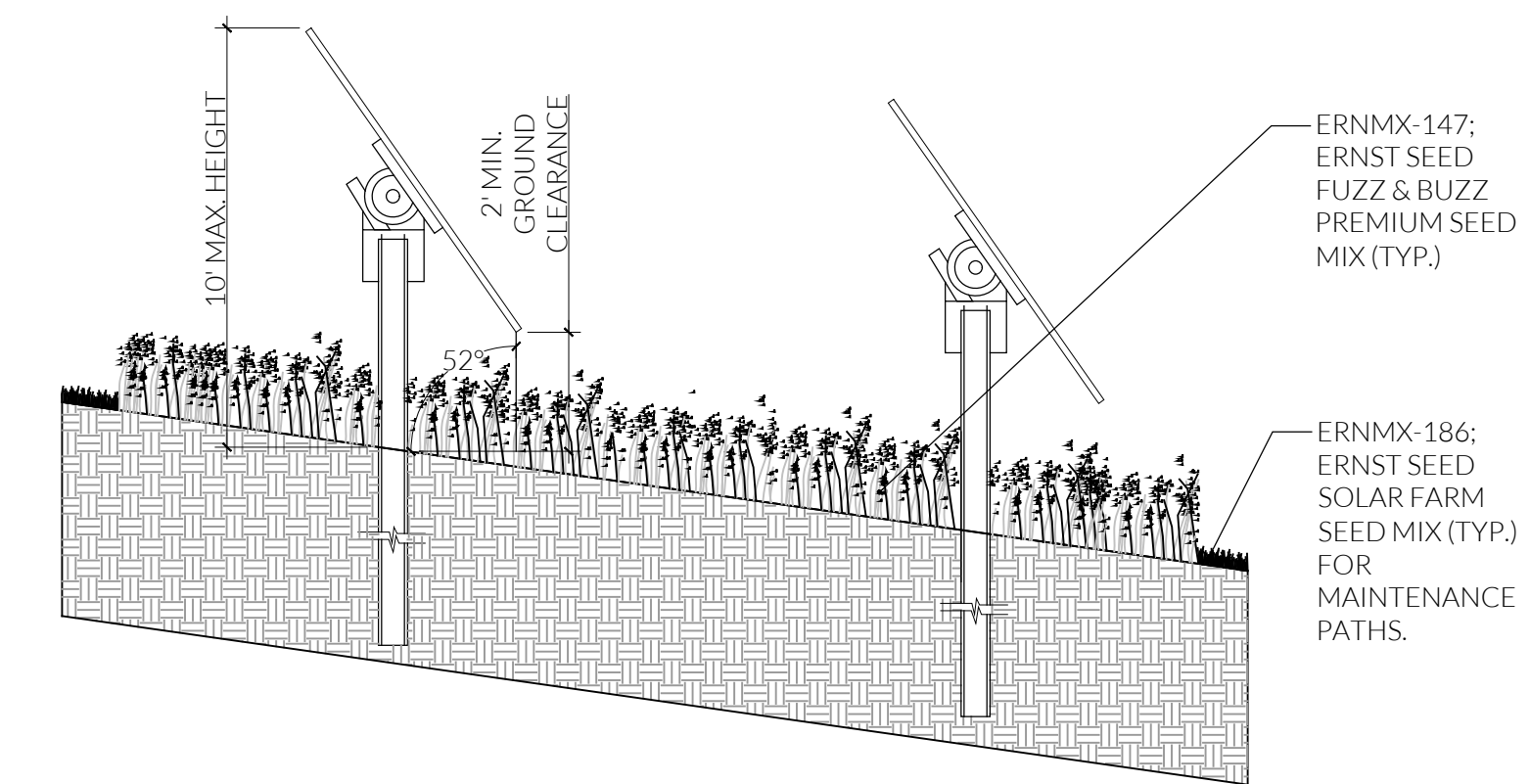


4 EVERGREEN TREE PLANTING DETAIL SECTION d-evergreen planting.dwg
SCALE: 1/2" = 1'-0"



- NOTES:
1. REMOVE ANY BROKEN OR DAMAGED BRANCHES WITH CLEAN CUTS. DO NOT CUT THE LEADER.
 2. ALL TREES GREATER THAN 3" CALIPER SHALL BE GUYED, RATHER THAN STAKED.
 3. IF TREE COMES IN A BASKET, CUT TOP TWO ROWS OF WIRE IN FOUR PLACES AND FOLD DOWN INTO HOLE. CUT BURLAP AWAY FROM THE TRUNK AND FOLD DOWN INTO HOLE AFTER LOCATION AND DEPTH HAVE BEEN APPROVED BY THE OWNER.

5 TREE PLANTING SECTION d-tree planting.dwg
SCALE: 1/2" = 1'-0"



6 ARRAY MEADOW PLANTING SECTION d-single axis array planting.dwg
SCALE: 1/4" = 1'-0"

REVISIONS/ADDENDUMS

NO.	DATE	DESCRIPTION

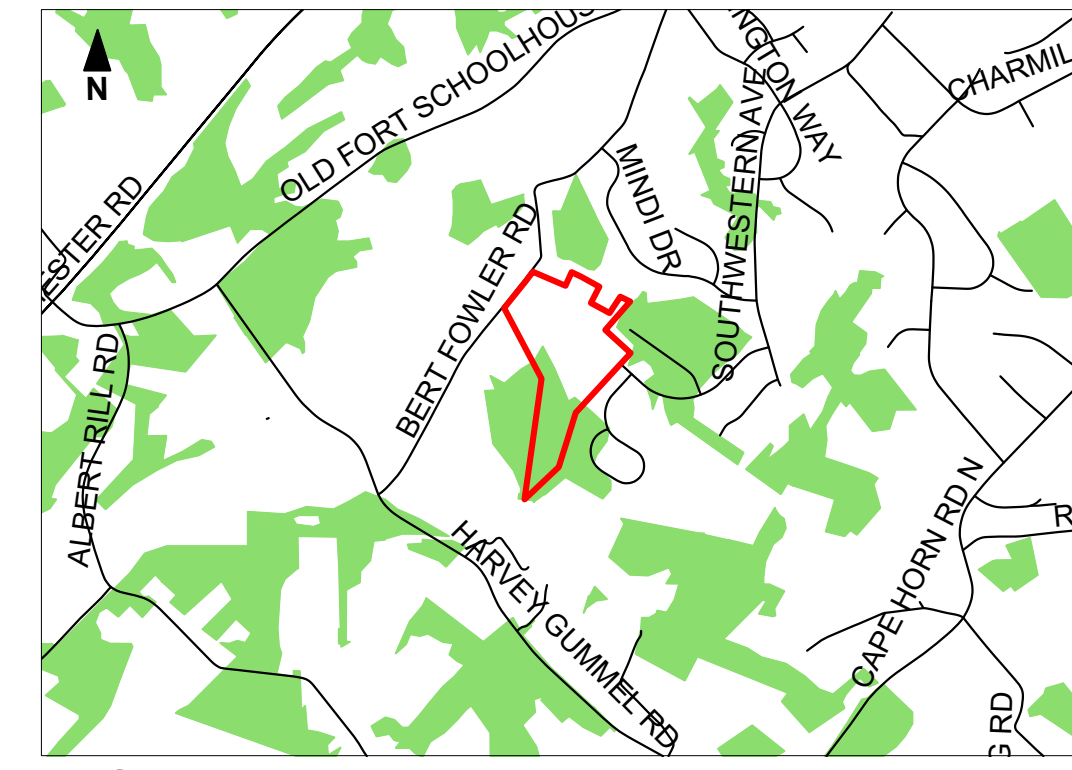
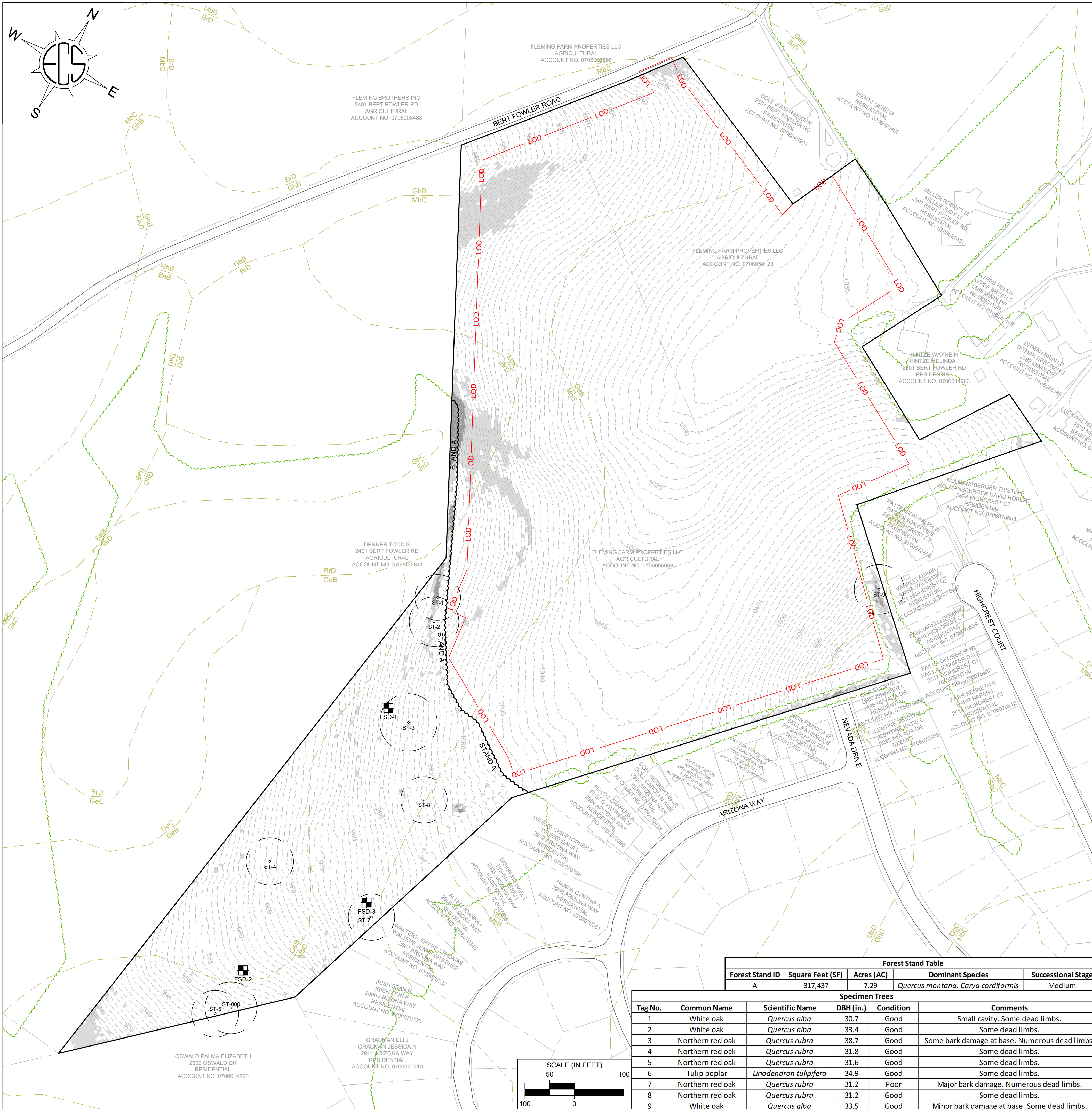
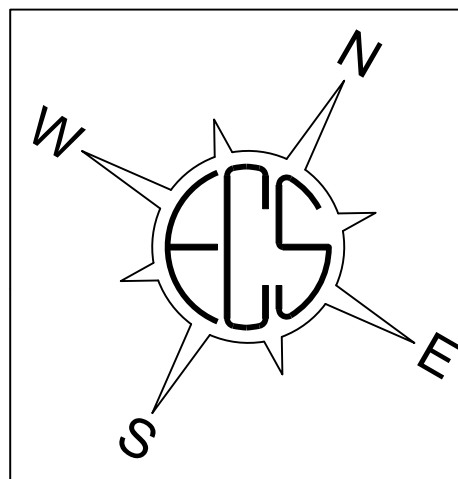
ARENA ASTER SOLAR LLC
FOR
ARENA RENEWABLES, LLC
MAP 0032, GRID 0004, PARCEL 0540
HAMPSTEAD, SIXTH DISTRICT, CARROLL COUNTY, STATE OF MARYLAND
EXISTING USE: AGRICULTURAL FIELD PROPOSED USE: SOLAR FARM

LANDSCAPE DETAILS

AGENCY SUBMISSION
JUNE 18, 2026
DRAWN: NS CHK'D/DESIGNER: DH/NS
SCALE: SHEET NO.
AS NOTED 1302-LSC
PROJECT NO. 226001.0001
COUNTY FILE NO. S-26-0051

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- LEGEND**
- ST-000 SPECIMEN TREE AND CRITICAL ROOT ZONE
 - FSD-# FOREST STAND DATAPoint
 - TREE LINE
 - FOREST STAND
 - AbCd SOIL UNITS
 - EXISTING ELEVATION CONTOURS
 - STEEP SLOPES (15-25%)
 - STEEP SLOPES (>25%)
 - LOD PROPOSED LIMITS OF DISTURBANCE
 - PARCEL BOUNDARIES
 - STUDY AREA

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:**
- ECS conducted site reconnaissance on December 10, 2025. No wetland or riverine features were identified within the study area.
 - The study area is in the Liberty Reservoir watershed (MDE no. 02130907).
 - Steep slopes exceeding 15% are predominantly located in the western portion of the study area.
 - Soil units GbB and GbC exhibit a K-factor greater than 0.35.
 - ECS submitted an Environmental Review request to the Maryland DNR Wildlife and Heritage Service asking for any information on critical habitat or threatened and endangered species onsite. ECS received a response dated January 27, 2026, which indicated that the Service has no official records for State or Federal listed, candidate, proposed, or rare plant or animal species within the project area. However, the response indicated that the federally and state-listed bog turtle (*Glyptemys muhlenbergii*) has been documented within the drainage area of the proposed project. As a result, the DNR noted that appropriate sediment and erosion control measures should be taken during the project.
 - According to FEMA, the 100-year floodplain does not extend into the study area.
 - According to the Maryland Historical Trust, the study area does not contain any historic resources.
 - Bert Fowler Road abuts the northwestern boundary of the study area. A mixture of wooded land and residential structures are present to the north and east of the study area. Wooded land is present to the south of the study area. Agricultural fields are present to the west of the study area.
 - 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

Map Unit		Soils Table			
Symbol	Map Unit Name	Hydric Rating	Natural Drainage Class	Hydrologic soil group	K-Factor
Brd	Brinklow channery loam, 15 to 25 percent slopes	Nonhydric	Well drained	C	0.20
GeB	Glennelg channery loam, 3 to 8 percent slopes	Nonhydric	Well drained	B	0.20
GhB	Glennville silt loam, 3 to 8 percent slopes	Predominantly Nonhydric	Moderately well drained	C/D	0.37
GhC	Glennville silt loam, somewhat poorly drained, 8 to 15 percent slopes	Predominantly Nonhydric	Somewhat poorly drained	C/D	0.37
MbB	Manor channery loam, 3 to 8 percent slopes	Nonhydric	Well drained	B	0.15
MbC	Manor channery loam, 8 to 15 percent slopes	Nonhydric	Well drained	B	0.15



January 27, 2026

Ms. Faith McCarthy
ECS Mid-Atlantic, LLC
14026 Thunderbolt Place
Suite 100
Chantilly, VA 20151

RE: Environmental Review for ECS Project No. 47: 22752 Aster Solar, Bert Fowler Road, Manchester, Carroll County, Maryland.

Dear Ms. McCarthy:

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. However, our database does indicate that there are records for the federally and state-listed threatened Bog Turtle (*Glyptemys muhlenbergii*) documented downstream within the drainage area of your project. Bog turtles live in fens, bogs, wet meadow-alder complexes, and freshwater marshes, often below spring seeps or in rivulets adjacent to streams. Sediment transport, associated with storm events, can potentially impact these wetlands by changing hydrology and/or the vegetative character of the wetland, specifically by the establishment of exotic invasive vegetation on deposited sediment. Appropriate sediment and erosion control measures should be taken during your project to minimize impact to these wetlands.

We would also like to point out that our remote analysis suggests that the forested area on this property contains Forest Interior Dwelling Species (FIDS) habitat, especially for birds: Populations of many bird species which depend on this type of forested habitat are declining in Maryland and throughout the Eastern United States. The declines in FIDS populations have been attributed in part to the loss and fragmentation of forests due largely to urbanization, agriculture, and some forest management practices. The key to maintaining suitable breeding habitat for FIDS, and halting or reversing their declines, is the protection of extensive, unbroken forested areas throughout the region. The conservation of FIDS habitat throughout Maryland is strongly encouraged by the Wildlife and Heritage Service.

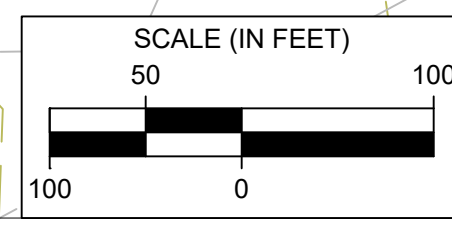
If the project changes in the future such that the limits of proposed disturbance or overall site boundaries are modified, please provide us with revised project maps and we will provide you with an updated evaluation. Thank you for allowing us the opportunity to review this project. If you should have any further questions regarding this information, please contact me at lori.byrne@maryland.gov or at (410) 260-8573.

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

ER# 2025.2438.cl
Cc: B. Schlimm, DNR
F. Kelley, DNR
Tawes State Office Building - 880 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

Forest Stand Table				
Forest Stand ID	Square Feet (SF)	Acres (AC)	Dominant Species	Successional Stage
A	317,437	7.29	<i>Quercus montana</i> , <i>Carya cordiformis</i>	Medium

Specimen Trees					
Tag No.	Common Name	Scientific Name	DBH (in.)	Condition	Comments
1	White oak	<i>Quercus alba</i>	30.7	Good	Small cavity. Some dead limbs.
2	White oak	<i>Quercus alba</i>	33.4	Good	Some dead limbs.
3	Northern red oak	<i>Quercus rubra</i>	38.7	Good	Some bark damage at base. Numerous dead limbs.
4	Northern red oak	<i>Quercus rubra</i>	31.8	Good	Some dead limbs.
5	Northern red oak	<i>Quercus rubra</i>	31.6	Good	Some dead limbs.
6	Tulip poplar	<i>Liriodendron tulipifera</i>	34.9	Good	Some dead limbs.
7	Northern red oak	<i>Quercus rubra</i>	31.2	Poor	Major bark damage. Numerous dead limbs.
8	Northern red oak	<i>Quercus rubra</i>	31.2	Good	Some dead limbs.
9	White oak	<i>Quercus alba</i>	33.5	Good	Minor bark damage at base. Some dead limbs.



**ASTER SOLAR
BERT FOWLER ROAD
CARROLL COUNTY, MARYLAND**

**SIMPLIFIED FOREST
STAND DELINEATION MAP
ARENA RENEWABLES**

ECS REVISIONS

ENGINEER	DRAFTING
JMH	TJW

SCALE 1" = 100'

PROJECT NO. 47:22752

SHEET FSP-1400

DATE 17 JUN 2026

COUNTY FILE NO. S-26-0052

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HANOVER, MD 21076
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(FAX) 703-834-5827

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