PROJECT BOUNDARY

PROPOSED COLLECTOR (TYP.)

PROPOSED SECURITY FENCE

MATCHLINE – SEE SHEET C3.09.01

PROPOSED SECURITY FENCE

PROPOSED 16' ACCESS ROAD

PROJECT BOUNDARY

ERICKSON, TY & MICHELLE

NF

DOONER, KENNETH & RENEE, TR

NF

PROPOSED INVERTER (TYP.)

PROPOSED COLLECTOR (TYP.)

PROPOSED 16' ACCESS ROAD

PROPOSED SECURITY FENCE

MATCHLINE – SEE SHEET C3.08.03

MATCHLINE – SEE SHEET C3.04.02

MAIN STREET

O.U.P.

OHE

GRAPHIC SCALE

100' 50' 0 100'

1" = 100'

No.	Date	Revision
1	08/16/24	ADD GAS LINE / REV PANEL LAYOUT

Seal

DRAFT

Engineer

VERDANTERRA
601 TECHNOLOGY DRIVE, STE. 200
CANONSBURG, PA 15317
724.916.4541
WWW.VERDANTERRA.COM

Applicant

GOPHER STATE SOLAR, LLC

Property Owners:

MULTIPLE SEE SHEET C0.01

Project Name:
GOPHER STATE SOLAR

Project Number:
00223023

Scale:	Drawn By:
AS NOTED	DRK
Date:	Checked By:
JUNE 2024	CEA

Drawing Description:
SITE LAYOUT PLAN

Drawing Number:
C3.04.01

Sheet Number:
22 of 36

PROPOSED COLLECTOR (TYP.)

PROPOSED 16' ACCESS ROAD

MATCHLINE – SEE SHEET C3.04.01

PROPOSED 16' ACCESS ROAD

PROPOSED SECURITY FENCE

PROPOSED WET SEDIMENTATION BASIN

PROPOSED WET SEDIMENTATION BASIN

PROPOSED SECURITY FENCE

PROJECT BOUNDARY

MATCHLINE – SEE SHEET C3.09.01

840TH AVENUE
(GRAVEL SURFACE)

840TH AVENUE
(GRAVEL SURFACE)

PROPOSED SITE ENTRANCE

PROJECT BOUNDARY

N/F
VISSER/SHANNON & JENNIFER
###-###-###

MATCHLINE – SEE SHEET C3.10.01

GRAPHIC SCALE
100' 50' 0 100'
1" = 100'

No.	Date	Revision
1	08/16/24	ADD GAS LINE / REV PANEL LAYOUT

Seal

DRAFT

Engineer

VERDANTERRA
601 TECHNOLOGY DRIVE, STE. 200
CANONSBURG, PA 15317
724.916.4541
WWW.VERDANTERRA.COM

Applicant

GOPHER STATE SOLAR, LLC

Property Owners:

MULTIPLE SEE SHEET C0.01

Project Name:
GOPHER STATE SOLAR

Project Number:
00223023

Scale:	Drawn By:
AS NOTED	DRK
Date:	Checked By:
JUNE 2024	CEA

Drawing Description:
SITE LAYOUT PLAN

Drawing Number:
C3.04.02

Sheet Number:
23 of 36

MATCHLINE – SEE SHEET C3.03.07

PROPOSED 16' ACCESS ROAD

PROPOSED SECURITY FENCE

PROPOSED COLLECTOR (TYP.)

N/F
WEIS/ROBERT N. & MELVINA
###-###-###

PROPOSED INVERTER (TYP.)

PROPOSED SECURITY FENCE

PROPOSED 16' ACCESS ROAD

PROPOSED WET SEDIMENTATION BASIN

PROJECT BOUNDARY

PROJECT BOUNDARY

PROPOSED SECURITY FENCE

PROPOSED SECURITY FENCE

PROPOSED WET SEDIMENTATION BASIN

PROPOSED SECURITY FENCE

PROPOSED WET SEDIMENTATION BASIN

PROJECT BOUNDARY

N/F
WEIS/ROBERT
###-###-###

N

W E

GRAPHIC SCALE

100' 50' 0 100'

1" = 100'

No.	Date	Revision
1	08/16/24	ADD GAS LINE / REV PANEL LAYOUT

Seal

DRAFT

Engineer

VERDANTERRA
601 TECHNOLOGY DRIVE, STE. 200
CANONSBURG, PA 15317
724.916.4541
WWW.VERDANTERRA.COM

Applicant

GOPHER STATE SOLAR, LLC

Property Owners:

MULTIPLE SEE SHEET C0.01

Project Name:
GOPHER STATE SOLAR

Project Number:
00223023

Scale:	Drawn By:
AS NOTED	DRK
Date:	Checked By:
JUNE 2024	CEA

Drawing Description:
SITE LAYOUT PLAN

Drawing Number:
C3.05.01

Sheet Number:
24 of 36

MATCHLINE – SEE SHEET C3.10.01

PROJECT BOUNDARY

EXISTING WETLAND

EXISTING WETLAND

PROPOSED WET SEDIMENTATION BASIN

PROPOSED SECURITY FENCE

PROJECT BOUNDARY

COUNTY ROAD 5

HAHN STREET

(CONCRETE SURFACE)

U.P.

U.P.

U.P.

U.P.

PROPOSED SECURITY FENCE

PROPOSED SECURITY FENCE

MATCHLINE – SEE SHEET C3.06.03

N/F
HIVELEY /GEORGE H./TRUSTEE
###-###-###

N/F
HIVELEY /GEORGE H./TRU
###-###-###

N

W E

GRAPHIC SCALE

100' 50' 0 100'

1" = 100'

No.	Date	Revision
1	08/16/24	ADD GAS LINE / REV PANEL LAYOUT

Seal

DRAFT

Engineer

VERDANTERRA
601 TECHNOLOGY DRIVE, STE. 200
CANONSBURG, PA 15317
724.916.4541
WWW.VERDANTERRA.COM

Applicant

GOPHER STATE SOLAR, LLC

Property Owners:

MULTIPLE SEE SHEET C0.01

Project Name:
GOPHER STATE SOLAR

Project Number:
00223023

Scale:	Drawn By:
AS NOTED	DRK
Date:	Checked By:
JUNE 2024	CEA

Drawing Description:
SITE LAYOUT PLAN

Drawing Number:
C3.06.01

Sheet Number:
25 of 36

PROJECT BOUNDARY

PROPOSED SECURITY FENCE

PROPOSED WET SEDIMENTATION BASIN

PROPOSED COLLECTOR (TYP.)

PROPOSED INVERTER (TYP.)

PROPOSED 16' ACCESS ROAD

PROPOSED SITE ENTRANCE

N/F COLLINS/JOHN ###-###-###

N/F WEIS/SHANE M & JULIE A ###-###-###

(GRAVEL SURFACE)

COUNTY ROAD 5

MAIN STREET (CONCRETE SURFACE)

830TH AVENUE (GRAVEL SURFACE)

U.P.

MATCHLINE – SEE SHEET C3.06.02

MATCHLINE – SEE SHEET C3.06.03

GRAPHIC SCALE

100' 50' 0 100'

1" = 100'

No.	Date	Revision
1	08/16/24	ADD GAS LINE / REV PANEL LAYOUT

Seal

DRAFT

Engineer

VERDANTERRA
601 TECHNOLOGY DRIVE, STE. 200
CANONSBURG, PA 15317
724.916.4541
WWW.VERDANTERRA.COM

Applicant

GOPHER STATE SOLAR, LLC

Property Owners:

MULTIPLE SEE SHEET C0.01

Project Name:
GOPHER STATE SOLAR

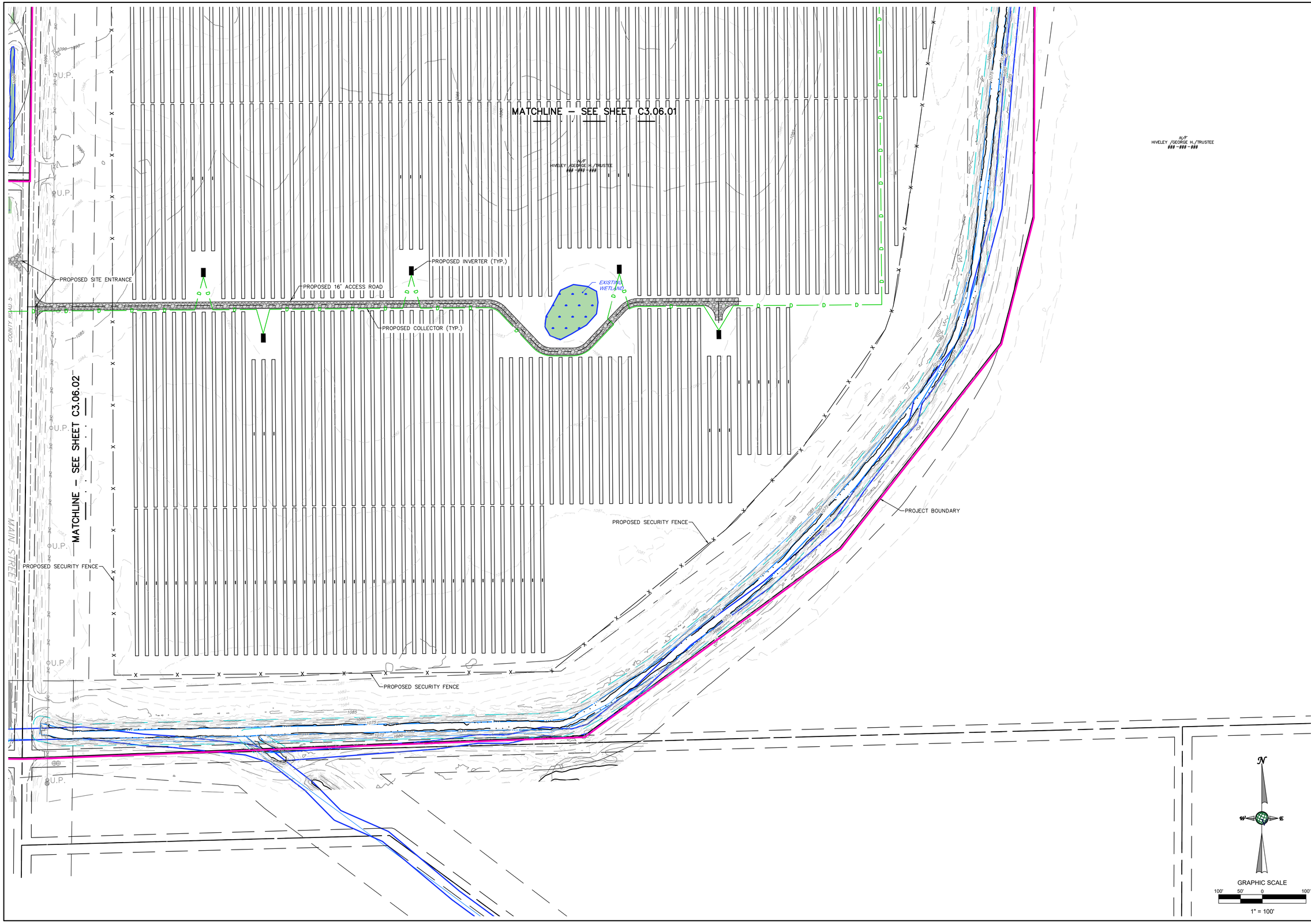
Project Number:
00223023

Scale:	Drawn By:
AS NOTED	DRK
Date:	Checked By:
JUNE 2024	CEA

Drawing Description:
SITE LAYOUT PLAN

Drawing Number:
C3.06.02

Sheet Number:
26 of 36



No.	Date	Revision
1	08/16/24	ADD GAS LINE / REV PANEL LAYOUT

Seal

DRAFT

Engineer

VERDANTERRA
601 TECHNOLOGY DRIVE, STE. 200
CANONSBURG, PA 15317
724.916.4541
WWW.VERDANTERRA.COM

Applicant

GOPHER STATE SOLAR, LLC

Property Owner/s:

MULTIPLE SEE SHEET C0.01

Project Name:
GOPHER STATE SOLAR

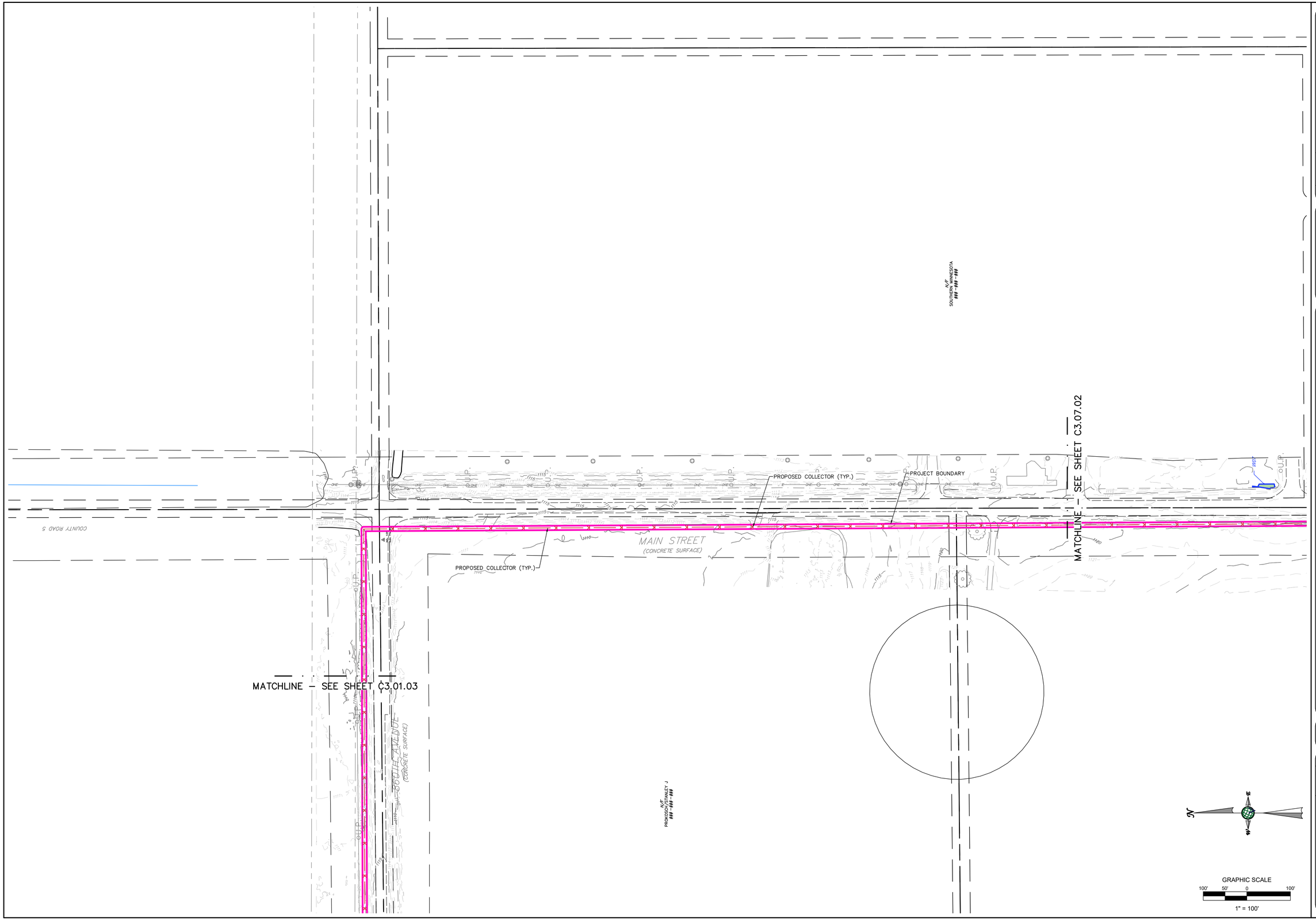
Project Number:
00223023

Scale:	Drawn By:
AS NOTED	DRK
Date:	Checked By:
JUNE 2024	CEA

Drawing Description:
SITE LAYOUT PLAN

Drawing Number:
C3.06.03

Sheet Number:
27 of 36



No.	Date	Revision
1	08/16/24	ADD GAS LINE / REV PANEL LAYOUT

Seal

DRAFT

Engineer

VERDANTERRA
601 TECHNOLOGY DRIVE, STE. 200
CANONSBURG, PA 15317
724.916.4541
WWW.VERDANTERRA.COM

Applicant

GOPHER STATE SOLAR, LLC

Property Owners:

MULTIPLE SEE SHEET C0.01

Project Name:
GOPHER STATE SOLAR

Project Number:
00223023

Scale:	Drawn By:
AS NOTED	DRK
Date:	Checked By:
JUNE 2024	CEA

Drawing Description:
SITE LAYOUT PLAN

Drawing Number:
C3.07.01

Sheet Number:
28 of 36

MATCHLINE – SEE SHEET C3.07.01

MATCHLINE – SEE SHEET C3.02.04

W07

O.U.P.

N/F
KOPEL/DEBRA
###-###-###

O.U.P.

O.U.P.

PROPOSED COLLECTOR (TYP.)

PROJECT BOUNDARY

W08

COUNTY ROAD 11
(CONCRETE SURFACE)

COUNTY ROAD 11
(CONCRETE SURFACE)

GRAPHIC SCALE
100' 50' 0 100'
1" = 100'

No.	Date	Revision
1	08/16/24	ADD GAS LINE / REV PANEL LAYOUT

Seal: DRAFT

Engineer:
VERDANTERRA
601 TECHNOLOGY DRIVE, STE. 200
CANONSBURG, PA 15317
724.916.4541
WWW.VERDANTERRA.COM

Applicant:
GOPHER STATE SOLAR, LLC

Property Owners:
MULTIPLE SEE SHEET C0.01

Project Name:
GOPHER STATE SOLAR

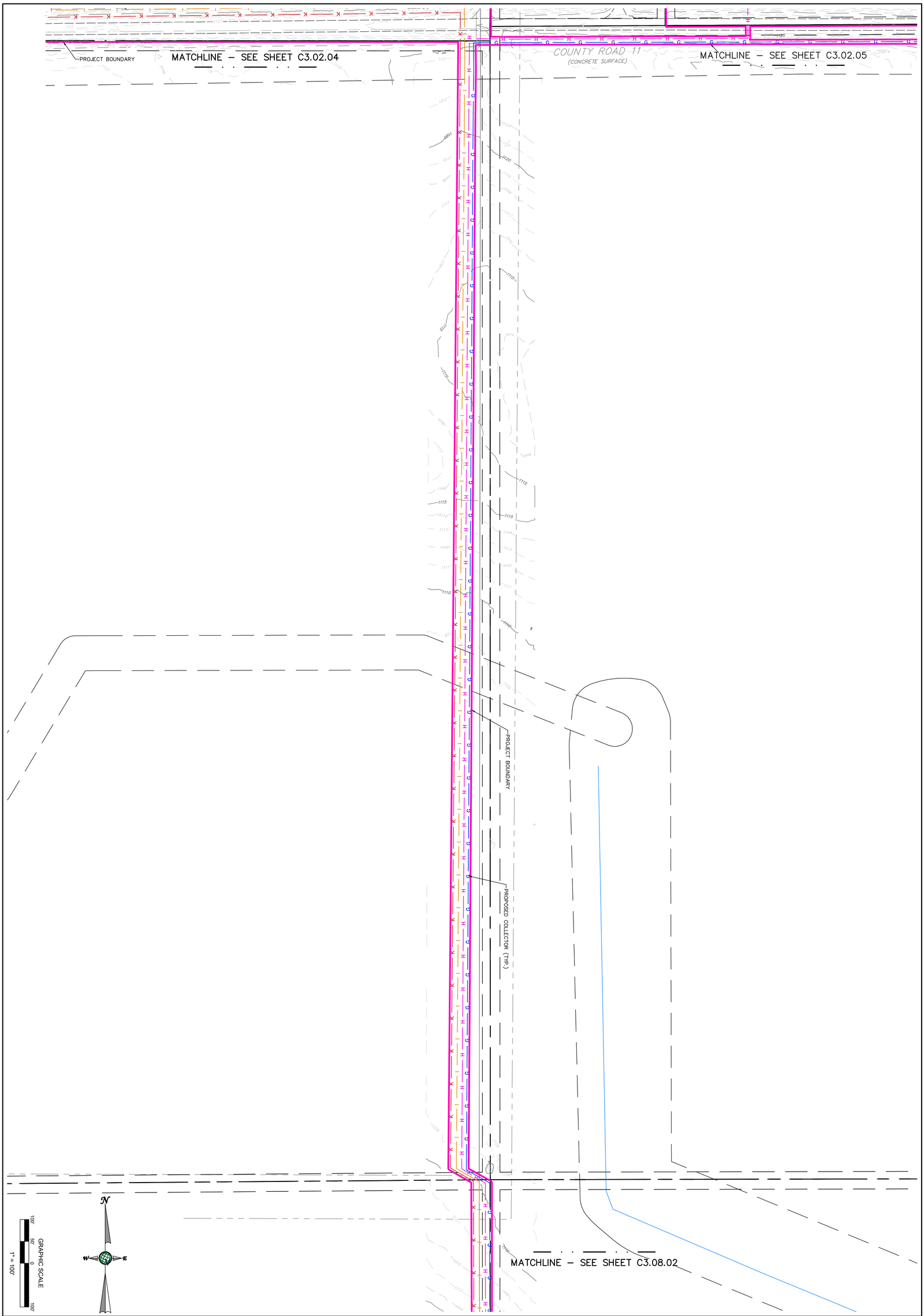
Project Number:
00223023

Scale: AS NOTED
Drawn By: DRK
Date: JUNE 2024
Checked By: CEA

Drawing Description:
SITE LAYOUT PLAN

Drawing Number:
C3.07.02

Sheet Number:
29 of 36



Drawing Number: C3.08.01
Sheet Number: 30 of 36
Drawing Description: SITE LAYOUT PLAN
Date: JUNE 2024
Scale: AS NOTED
Checked By: GEA
Drawn By: DRK
Project Number: 00223023
Project Name: GOPHER STATE SOLAR

Property Owners: MULTIPLE SEE SHEET C0.01

Applicant: GOPHER STATE SOLAR, LLC

Engineer:
VERDANTERRA
601 TECHNOLOGY DRIVE, STE. 200
CANONSBURG, PA 15317
724.916.4541
WWW.VERDANTERRA.COM

Seal: DRAFT

No.	Date	Revision
1	08/16/24	ADD GAS LINE / REV PANEL LAYOUT

MATCHLINE – SEE SHEET C3.08.01

PROJECT BOUNDARY

PROPOSED COLLECTOR (TYP.)

MATCHLINE – SEE SHEET C3.08.03

GRAPHIC SCALE

100' 50' 0 100'

1" = 100'

No.	Date	Revision
1	08/16/24	ADD GAS LINE / REV PANEL LAYOUT

Seal

DRAFT

Engineer

VERDANTERRA

601 TECHNOLOGY DRIVE, STE. 200
CANONSBURG, PA 15317
724.916.4541
WWW.VERDANTERRA.COM

Applicant

GOPHER STATE SOLAR, LLC

Property Owners:

MULTIPLE SEE SHEET C0.01

Project Name:

GOPHER STATE SOLAR

Project Number:

00223023

Scale:	Drawn By:
AS NOTED	DRK
Date:	Checked By:
JUNE 2024	CEA

Drawing Description:

SITE LAYOUT PLAN

Drawing Number:

C3.08.02

Sheet Number:

31 of 36

N/F
DRESOW/GERALD F./TRUSTEE
###-###-###

MATCHLINE – SEE SHEET C3.08.02

PROJECT BOUNDARY

MATCHLINE – SEE SHEET C3.04.01

PROPOSED COLLECTOR (TYP.)

PROJECT BOUNDARY

WD4

N/F
WILLEY /RONALD/JANET GAFFNEY
###-###-###

GRAPHIC SCALE
100' 50' 0 100'
1" = 100'

No.	Date	Revision
1	08/16/24	ADD GAS LINE / REV PANEL LAYOUT

Seal
DRAFT

Engineer
VERDANTERRA
601 TECHNOLOGY DRIVE, STE. 200
CANONSBURG, PA 15317
724.916.4541
WWW.VERDANTERRA.COM

Applicant
GOPHER STATE SOLAR, LLC

Property Owners:
MULTIPLE SEE SHEET C0.01

Project Name:
GOPHER STATE SOLAR

Project Number:
00223023

Scale:	Drawn By:
AS NOTED	DRK
Date:	Checked By:
JUNE 2024	CEA

Drawing Description:
SITE LAYOUT PLAN

Drawing Number:
C3.08.03

Sheet Number:
32 of 36

MATCHLINE - SEE SHEET C3.03.04

PROJECT BOUNDARY

PROPOSED COLLECTOR (TYP.)

MATCHLINE - SEE SHEET C3.04.01

PROJECT BOUNDARY

N/F
Untitled Polygon
###-###-####

MATCHLINE - SEE SHEET C3.03.07

PROPOSED COLLECTOR (TYP.)

PROJECT BOUNDARY

N/F
DOONER/KENNETH M & RENEE J
###-###-####

PROPOSED SECURITY FENCE

MATCHLINE - SEE SHEET C3.04.02

GRAPHIC SCALE
100' 50' 0 100'
1" = 100'

No.	Date	Revision
1	08/16/24	ADD GAS LINE / REV PANEL LAYOUT

Seal

DRAFT

Engineer
VERDANTERRA
601 TECHNOLOGY DRIVE, STE. 200
CANONSBURG, PA 15317
724.916.4541
WWW.VERDANTERRA.COM

Applicant
GOPHER STATE SOLAR, LLC

Property Owners:
MULTIPLE SEE SHEET C0.01

Project Name:
GOPHER STATE SOLAR

Project Number:
00223023

Scale:	Drawn By:
AS NOTED	DRK
Date:	Checked By:
JUNE 2024	CEA

Drawing Description:
SITE LAYOUT PLAN

Drawing Number:
C3.09.01

Sheet Number:
33 of 36

MATCHLINE – SEE SHEET C3.04.02

N/F
AMBERG LAND PARTNERSHIP
###-###-###

EXISTING WETLAND

PROJECT BOUNDARY

PROPOSED COLLECTOR (TYP.)

N/F
WILLEY /RONALD/JANET GAFFNEY
###-###-###

MATCHLINE – SEE SHEET C3.06.01

N

W E

GRAPHIC SCALE

100' 50' 0 100'

1" = 100'

No.	Date	Revision
1	08/16/24	ADD GAS LINE / REV PANEL LAYOUT

Seal

DRAFT

Engineer

VERDANTERRA
601 TECHNOLOGY DRIVE, STE. 200
CANONSBURG, PA 15317
724.916.4541
WWW.VERDANTERRA.COM

Applicant

GOPHER STATE SOLAR, LLC

Property Owners:

MULTIPLE SEE SHEET C0.01

Project Name:
GOPHER STATE SOLAR

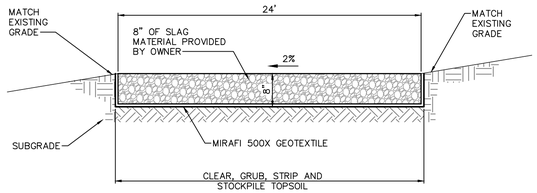
Project Number:
00223023

Scale:	Drawn By:
AS NOTED	DRK
Date:	Checked By:
JUNE 2024	CEA

Drawing Description:
SITE LAYOUT PLAN

Drawing Number:
C3.10.01

Sheet Number:
34 of 36

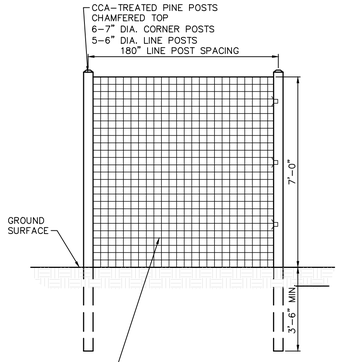


CONSTRUCTION NOTES:

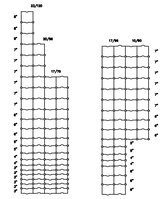
1. ADHERE TO GENERAL GRADING NOTES ON PLAN SHEET C0.01.
2. SUBGRADE PREPARATION SHOULD INCLUDE STRIPPING VEGETATION, ROOTMAT, TOPSOIL, AND OTHER SOFT OR OTHERWISE UNSUITABLE MATERIALS FROM THE 5-FOOT EXPANDED LIMITS OF THE ACCESS DRIVE.
3. THE SUBGRADE SHOULD NOT BE EXPOSED TO THE ELEMENTS OR CONSTRUCTION TRAFFIC FOR A PROLONGED TIME PERIOD AS THE SUBGRADE MAY BECOME DISTURBED AND/OR SOFTENED. IF THE ACCESS DRIVE SECTION IS NOT PLANNED TO BE CONSTRUCTED WITHIN A FEW DAYS AFTER EXPOSING THE FINAL DESIGN SUBGRADE, CONSIDERATION SHOULD BE GIVEN TO LEAVING THE SUBGRADE APPROXIMATELY 1 FOOT ABOVE THE FINAL DESIGN SUBGRADE, WHERE FEASIBLE, TO HELP REDUCE SOFTENING OF THE DESIGN SUBGRADE SOIL.
4. PRIOR TO FILL PLACEMENT OR OTHER CONSTRUCTION ON SUBGRADES, THE SUBGRADES SHOULD BE EVALUATED BY ECS. THOROUGHLY PROOFROLL THE EXPOSED SUBGRADE WITH CONSTRUCTION EQUIPMENT HAVING A MINIMUM AXLE LOAD OF 10 TONS (E.G., FULLY LOADED TANDEM-AXLE DUMP TRUCK FOR CLAYEY SOILS OR A LARGE VIBRATORY SMOOTH DRUM ROLLER FOR SANDY SOILS). TRAVERSE THE SUBGRADE WITH THE PROOFROLL EQUIPMENT IN TWO PERPENDICULAR (ORTHOGONAL) DIRECTIONS WITH OVERLAPPING PASSES OF THE VEHICLE.
5. UNSTABLE OR PUMPING SUBGRADE AREAS IDENTIFIED DURING THE PROOFROLL SHOULD BE REPAIRED PRIOR TO THE PLACEMENT OF SUBSEQUENT ENGINEERED FILL OR OTHER CONSTRUCTION MATERIALS. UNSTABLE SUBGRADE REPAIR METHODS, SUCH AS UNDERCUTTING, OR MOISTURE CONDITIONING AND RECOMPACTION, OR CHEMICAL STABILIZATION, ARE DEFINED IN THE GEOTECH REPORT AND SHOULD BE DISCUSSED WITH ECS TO DETERMINE THE APPROPRIATE PROCEDURES WITH REGARD TO THE EXISTING CONDITIONS CAUSING THE INSTABILITY. TEST PITS MAY BE EXCAVATED TO EXPLORE THE SHALLOW SUBSURFACE MATERIALS WITHIN THE AREA OF THE INSTABILITY TO HELP DETERMINE THE APPROPRIATE REMEDIAL ACTION TO STABILIZE THE SUBGRADE.
6. REFER TO SECTION 6.2.1 ENGINEERED FILL OF THE GEOTECH REPORT FOR ENGINEERED FILL AND COMPACTION PARAMETERS.
7. PROPERLY SLOPE THE SUBGRADE TO AVOID DIPS OR POCKETS WHERE WATER MAY BECOME TRAPPED.
8. IN AREAS WHERE THE SUBGRADE HAS BEEN UNDERCUT AND BACKFILLED WITH GRANULAR SOILS ARE RECOMMENDED TO BE GRADED TO DRAIN TOWARD A DRAIN TILE. THE DRAIN TILE SHOULD BE SLOPED A MINIMUM OF ½ TO 1 PERCENT TO DISCHARGE TO NEARBY DRAINAGE DITCHES OR OTHER APPROPRIATE DRAINAGE FACILITIES.
9. GEOTEXTILE SHALL BE MIRAFI 500X OR APPROVED EQUAL.
10. COMPACT SLAG MATERIAL TO 95% OF THE MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D-1557 (MODIFIED PROCTOR METHOD).
11. THE SLAG SECTION WILL REQUIRE REGULAR MAINTENANCE, WHICH COULD INCLUDE REGRADING THE SURFACE, SMOOTHING, CROWNING, AND FILLING RUTS / DEPRESSIONS THAT DEVELOP WITH TIME WITH ADDITIONAL AGGREGATE. THE NEED FOR MAINTENANCE WILL INCREASE WITH GREATER TRAFFIC AND INCLEMENT WEATHER.

TYPICAL ACCESS DRIVE

NOT TO SCALE



# WIRE	NOMENCLATURE	LENGTH	WEIGHT
23	23/120/6	330'	492
20	20/96/3	165'	308
20	20/96/6	330'	385
20	20/96/6	500'	598
17	17/96/6	330'	385
17	17/75/6	330'	326
10	10/60/6	330'	210
# WIRE	NOMENCLATURE	LENGTH	WEIGHT
23	23/120/12	330'	343
20	20/96/12	330'	282
20	20/96/12	660'	564
17	17/96/12	330'	248
17	17/96/12	660'	486
17	17/75/12	330'	235
10	10/60/12	660'	294



ORDER NOMENCLATURE

The first two numbers indicate the number or horizontal wires, while the second two numbers indicate the height of the fence. The last number is the distance between vertical stays.

Example: 20/96/12 is a roll with 20 horizontal wires, is 96" high, with vertical stays 12" apart.

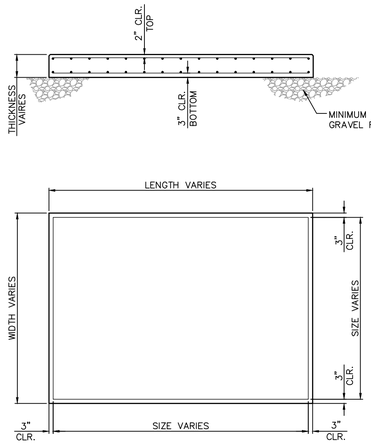
- Note new higher strength vertical stay wire spec.
- Other configurations available on special order basis

WIRE	GAUGE	TENSILE STRENGTH	BREAKING LOAD	GALVANIZATION
Line Wires	12 1/2 ga.	Hi-Tensile 180K-212K	1347 lbs-1687 lbs	.85 oz-1.4 oz. per sq. ft.
Stay Wires	12 1/2 ga.	Med-Tensile 140K-170K*	1048 lbs-1273 lbs*	.85 oz-1.4 oz. per sq. ft.
Knot Wires	13 ga.	Low Tensile 57K-76K	311 lbs-456 lbs	.85 oz-1.4 oz. per sq. ft.

NOTES:
1. USE CONCRETE ENCASEMENT FOR ANGLE, CORNER, END, OR GATE POSTS ONLY. BACKFILL ALL LINE POSTS WITH NATIVE MATERIAL.

FIXED KNOT FARM FENCE

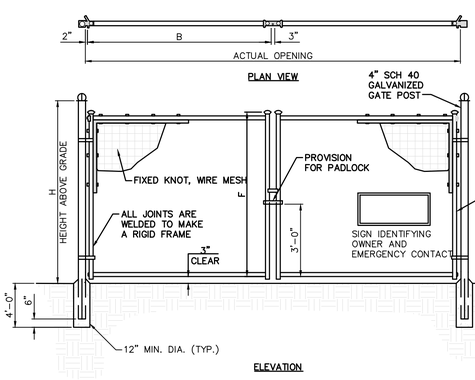
NOT TO SCALE



NOTES:
1. CONCRETE TO BE 4000 PSI @ 28 DAYS.
2. MAX. SLUMP: 4 INCHES (TO BE MEASURED PRIOR TO PUMPING AND ADDITION OF ADMIXTURES.)
3. REINFORCING SHALL BE ASTM A615 GR. 60 (60 KSI YIELD.)
4. USE ¾" CHAMFER ON ALL EXPOSED EDGES, UNLESS NOTED OTHERWISE.
5. FOUNDATIONS TO BE BACKFILLED & COMPACTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
6. ESTIMATED CONCRETE QUALITY IS FOR OWNER'S ASSET MANAGEMENT PURPOSES ONLY. CONTRACTOR IS RESPONSIBLE FOR DETERMINING QUANTITIES FOR CONSTRUCTION & BID PURPOSES.
7. EQUIPMENT ANCHORAGE TO BE HILTI ADHESIVE ANCHOR, DESIGNED UPON RECEIPT OF CERTIFIED EQUIPMENT DRAWINGS.

TYPICAL EQUIPMENT PAD

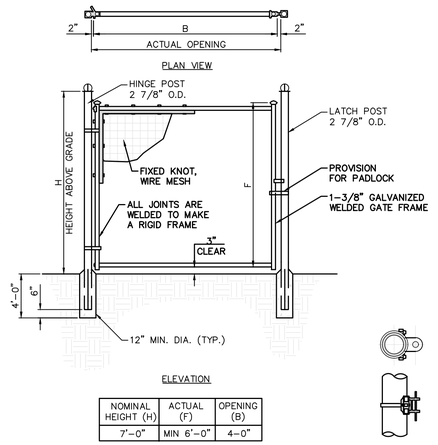
NOT TO SCALE



NOMINAL HEIGHT (H)	ACTUAL (F)	OPENING (B)
7'-0"	MIN 6'-0"	10'-0"

NOTES
1. ALL FENCING AND HARDWARE SHALL BE GALVANIZED.
2. CONCRETE ENCASEMENT AT END AND GATE POSTS ONLY
3. FIXED KNOT WIRE MESH TO BE BAKAERT SOLIDLOCK PRO (20/96/6), (17/96/6) OR EQUIVALENT

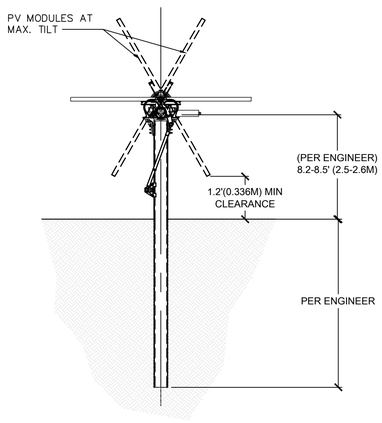
NOT TO SCALE



NOMINAL HEIGHT (H)	ACTUAL (F)	OPENING (B)
7'-0"	MIN 6'-0"	4'-0"

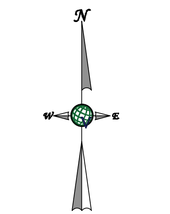
NOTES
1. ALL FENCING AND HARDWARE SHALL BE GALVANIZED.
2. CONCRETE ENCASEMENT AT END AND GATE POSTS ONLY
3. FIXED KNOT WIRE MESH TO BE BAKAERT SOLIDLOCK PRO (20/96/6), (17/96/6) OR EQUIVALENT

NOT TO SCALE



TRACKER WITH MODULES

NOT TO SCALE



No.	Date	Revision
1	08/16/24	ADD GAS LINE / REV PANEL LAYOUT

Seal: DRAFT

Engineer:
VERDANTERRA
601 TECHNOLOGY DRIVE, STE. 200
CANONSBURG, PA 15317
724.916.4541
WWW.VERDANTERRA.COM

Applicant: GOPHER STATE SOLAR, LLC

Property Owners: MULTIPLE SEE SHEET C0.01

Project Name: GOPHER STATE SOLAR

Project Number: 00223023

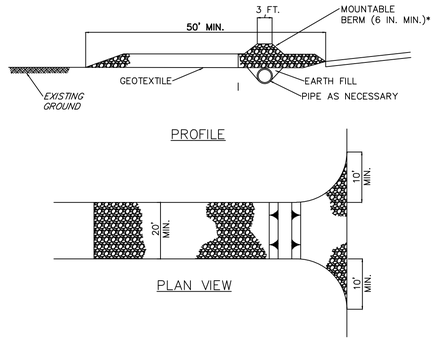
Scale: AS NOTED | Drawn By: DRK

Date: JUNE 2024 | Checked By: CEA

Drawing Description: DETAILS

Drawing Number: C5.00

Sheet Number: 35 of 36



NOTES:

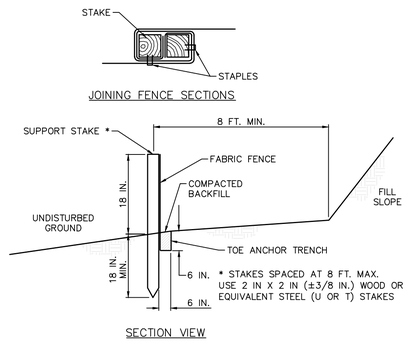
REMOVE TOPSOIL PRIOR TO INSTALLATION OF ROCK CONSTRUCTION ENTRANCE. EXTEND ROCK OVER FULL WIDTH OF ENTRANCE.

RUNOFF SHALL BE DIVERTED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE.

MOUNTABLE BERM SHALL BE INSTALLED WHEREVER OPTIONAL CULVERT PIPE IS USED AND PROPER PIPE COVER AS SPECIFIED BY MANUFACTURER IS NOT OTHERWISE PROVIDED. PIPE SHALL BE SIZED APPROPRIATELY FOR SIZE OF DITCH BEING CROSSED.

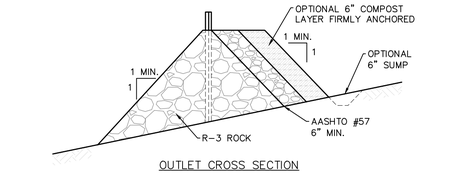
MAINTENANCE: ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY. IF EXCESSIVE AMOUNTS OF SEDIMENT ARE BEING DEPOSITED ON ROADWAY, EXTEND LENGTH OF ROCK CONSTRUCTION ENTRANCE BY 50 FOOT INCREMENTS UNTIL CONDITION IS ALLEVIATED OR INSTALL WASH RACK. WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO ROADWAY DITCHES, SEWERS, CULVERTS, OR OTHER DRAINAGE COURSES IS NOT ACCEPTABLE.

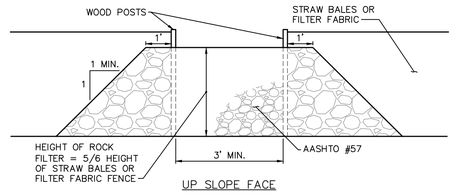
STANDARD CONSTRUCTION DETAIL
ROCK CONSTRUCTION ENTRANCE



NOTES:
1. FABRIC WIDTH SHALL BE 30 IN. MINIMUM. STAKES SHALL BE HARDWOOD OR EQUIVALENT STEEL (U OR T) STAKES.
2. SILT FENCE SHALL BE PLACED AT LEVEL EXISTING GRADE. BOTH ENDS OF THE FENCE SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT.
3. SEDIMENT SHALL BE REMOVED WHEN ACCUMULATIONS REACH HALF THE ABOVE GROUND HEIGHT OF THE FENCE.
4. ANY SECTION OF SILT FENCE WHICH HAS BEEN UNDERMINED OR TOPPED SHALL BE IMMEDIATELY REPLACED WITH A ROCK FILTER OUTLET
5. FENCE SHALL BE REMOVED AND PROPERLY DISPOSED OF WHEN TRIBUTARY AREA IS PERMANENTLY STABILIZED.

STANDARD SILT FENCE (18" HIGH)
NOT TO SCALE



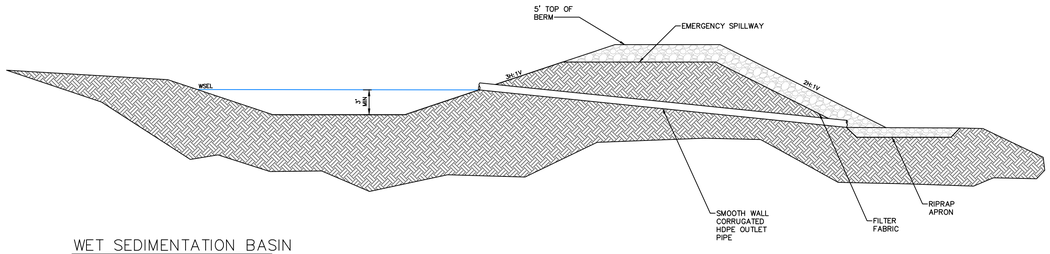


NOTES:

1. A ROCK FILTER OUTLET SHALL BE INSTALLED WHERE FAILURE OF A SILT FENCE OR STRAW BALE BARRIER HAS OCCURRED DUE TO CONCENTRATED FLOW. ANCHORED COMPOST LAYER SHALL BE USED ON UPSLOPE FACE IN HQ AND EV WATERSHEDS.

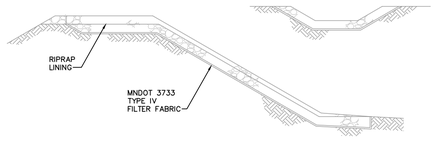
2. SEDIMENT SHALL BE REMOVED WHEN ACCUMULATIONS REACH 1/3 THE HEIGHT OF THE OUTLET.

ROCK FILTER OUTLET
NOT TO SCALE



NOT TO SCALE

NOTES:
1. RIPRAP TO BE INSTALLED PER MNDOT SPECIFICATIONS.
2. CLASS II RIPRAP PER MNDOT SPECIFICATIONS
3. FILTER FABRIC TO BE MNDOT 3733 TYPEIV



NOT TO SCALE

No.	Date	Revision
1	08/16/24	ADD GAS LINE / REV PANEL LAYOUT

Seal: DRAFT

Engineer:
VERDANTERRA
601 TECHNOLOGY DRIVE, STE. 200
CANONSBURG, PA 15317
724.916.4541
WWW.VERDANTERRA.COM

Applicant: GOPHER STATE SOLAR, LLC

Property Owners: MULTIPLE SEE SHEET C0.01

Project Name: GOPHER STATE SOLAR

Project Number: 00223023

Scale: AS NOTED | Drawn By: DRK

Date: JUNE 2024 | Checked By: CEA

Drawing Description: DETAILS

Drawing Number: C5.01

Sheet Number: 36 of 36