LEGEND:

- PROJECT BOUNDARY
- PARCEL LINES
- ADJACENT PARCEL LINES
- LEASE LINES
- EASEMENT LINES
- EX. INDEX CONTOUR
- EX. INTERVAL CONTOUR
- EX. TREELINE
- EX. PAVED ROAD
- EX. FENCE
- EX. STRUCTURE
- EX. KARST AREA
- EX. OVERHEAD POWER
- EX. FIBER OPTIC LINE
- EX. GAS PIPELINE
- EX. WATER LINE
- EX. DELINEATED STREAM CHANNEL
- EX. DELINEATED WETLAND
- EX. FEMA FLOOD ZONE A
- EXCLUSION AREA
- TREE CLEARING AND GRUBBING
- TREE FELLING
- PROPOSED SOLAR ARRAY
- PROPOSED ELECTRICAL EQUIPMENT
- PROPOSED 25' DELINEATED WATER BODY SETBACK
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- PROPOSED 25' NONPARTICIPATING PARCEL SETBACK
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- PROPOSED UNDERGROUND COLLECTION BORING
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- PROPOSED DISTURBANCE LIMITS
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- PROPOSED VEGETATIVE BUFFER
- PROPOSED TEMPORARY SOIL STOCKPILE
- PROPOSED LOW WATER CROSSING (SEE CROSSING TABLE ON SHEET C-180-05)
- PROPOSED CULVERT (SEE CROSSING TABLE ON SHEET C-180-05)
- PROPOSED TEMPORARY LAYDOWN YARD
- PROPOSED SUBSTATION
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- PROPOSED 24' ACCESS GATE
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EARTHWORK ELEVATIONS

EARTHWORK	COLOR	MIN. DEPTH (FT)	MAX DEPTH (FT)
CUT		-10.00	-8.00
		-8.00	-6.00
		-6.00	-4.00
		-4.00	-2.00
		-2.00	-1.00
		-1.00	0.00
FILL		0.00	1.00
		1.00	2.00
		2.00	4.00
		4.00	6.00
		6.00	7.00
		7.00	8.50
		8.50	10.5

△1 CONSTRUCTION IN THIS REGION NOT TO BEGIN UNTIL FURTHER COORDINATION HAS OCCURRED WITH BURNS AND MCDONNELL REGARDING SWITCHYARD GRADING DESIGN.

GRADING AND DRAINAGE NOTES:

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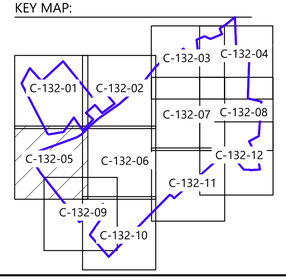
5. IN THE CASE OF AN UNBALANCED SUBGRADE, THE CONTRACTOR MAY IMPORT GENERAL FILL MATERIAL OR BORROW FROM AN ADJACENT BORROW PIT IF SHORT ON MATERIAL. IN THE CASE OF EXCESS SUBGRADE MATERIAL, THE CONTRACTOR MAY CHOOSE TO STOCKPILE THE SUBGRADE MATERIAL OR EXPORT THE GENERAL FILL MATERIAL. THE CONTRACTOR WILL NEED TO COORDINATE WITH THE LANDOWNER(S) IF APPROPRIATE.
6. PROPOSED SEEDING SHOWN FOR MASS GRADING AND CONSTRUCTION PHASE DISTURBANCE. SEEDING FOR TREE CLEARING AND GRUBBING NOT SHOWN, BUT NEEDED UPON COMPLETION OF TREE CLEARING PHASE.
7. REFERENCE "2026-07-15 FLAT RUN SWMR" FOR BASIN AND CROSSING CALCULATION AND SIZING DETAILS.

KEY MAP:



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STATE OF KENTUCKY
DAVID KELCHER
35445
07/15/26
LICENSED PROFESSIONAL ENGINEER

PREPARED FOR:

Discovery A GS COMPANY
3401 Ridgewood Dr.
Edmond, OK 73013

REVISIONS:

#	DATE	COMMENT	BY	CHK	APR
0	07/15/2026	IFC Civil Design Plans	MPH	ELS	DFK

0' 100' 200' 300'

Flat Run Solar, LLC

Taylor County, KY

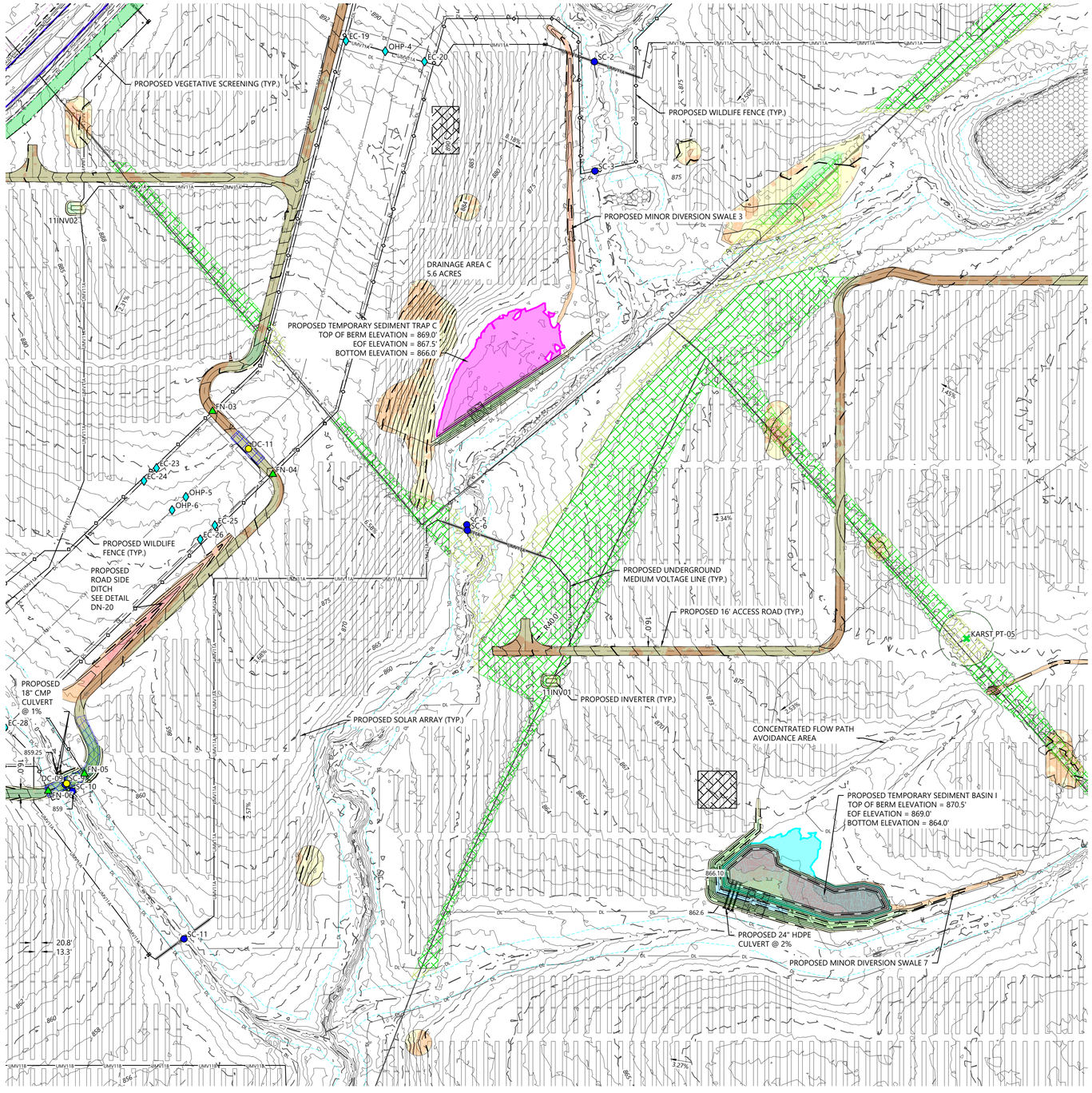
Site Grading Plan - 5

ISSUED FOR CONSTRUCTION

DATE: 07/15/2026

SHEET: C-132-05

REV: 0



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EARTHWORK ELEVATIONS

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		-8.00	-6.00
		-6.00	-4.00
		-4.00	-2.00
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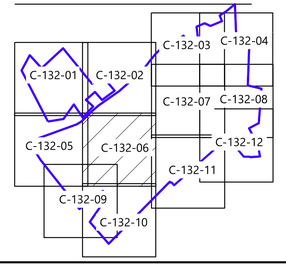

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Edmond, OK 73013

REVISIONS:

#	DATE	COMMENT	BY	CHK	APR
0	07/15/2026	IFC Civil Design Plans	MPH	ELS	DFK

0' 100' 200' 300'

Flat Run Solar, LLC

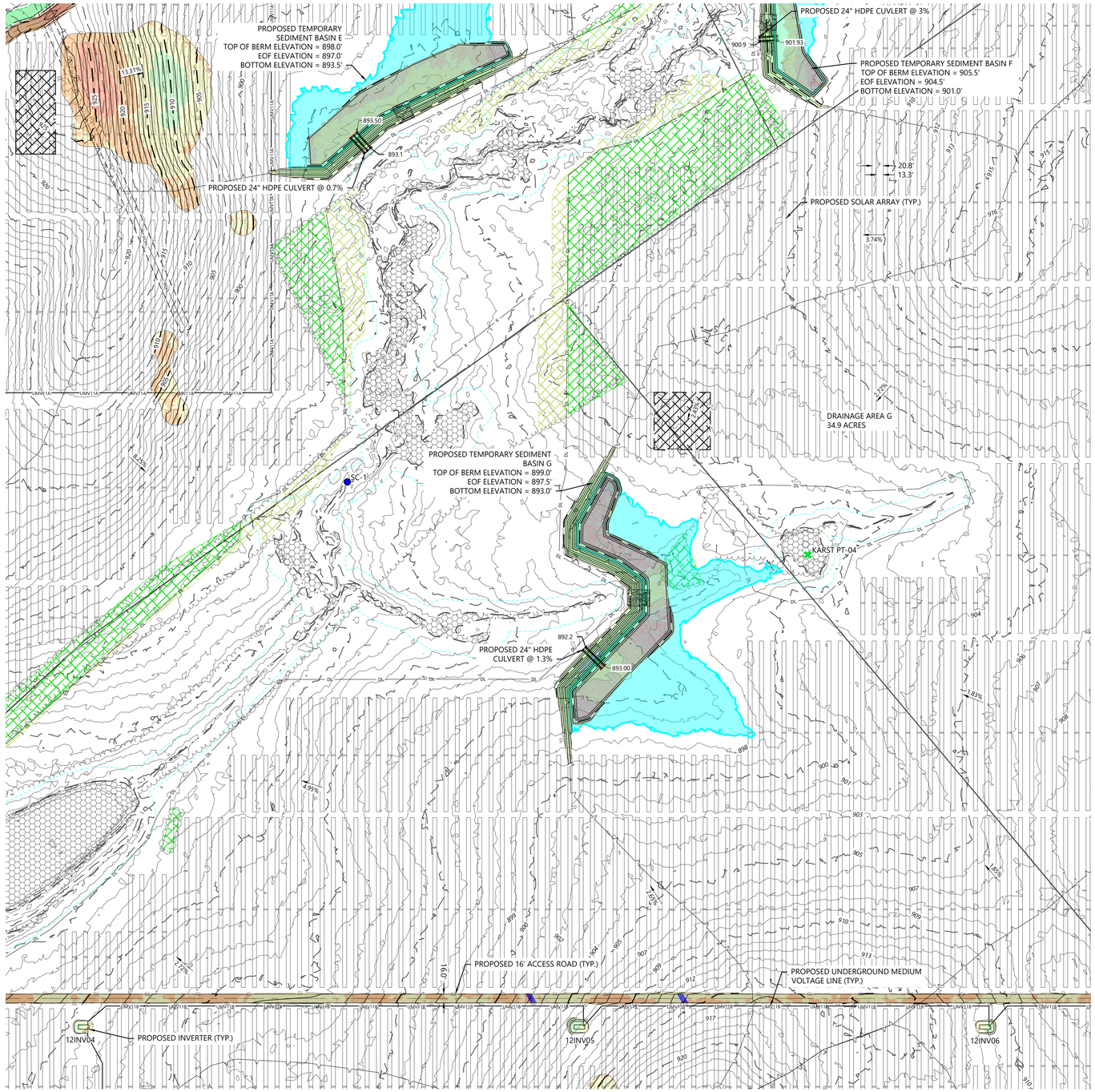
Taylor County, KY

Site Grading Plan - 6

ISSUED FOR CONSTRUCTION

DATE: 07/15/2026

SHEET: C-132-06 REV: 0



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EARTHWORK ELEVATIONS

EARTHWORK	COLOR	MIN. DEPTH (FT)	MAX DEPTH (FT)
CUT		-10.00	-8.00
		-8.00	-6.00
		-6.00	-4.00
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		-2.00	-1.00
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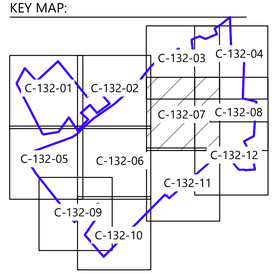

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REVISIONS:

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0' 100' 200' 300'

Flat Run Solar, LLC

Taylor County, KY

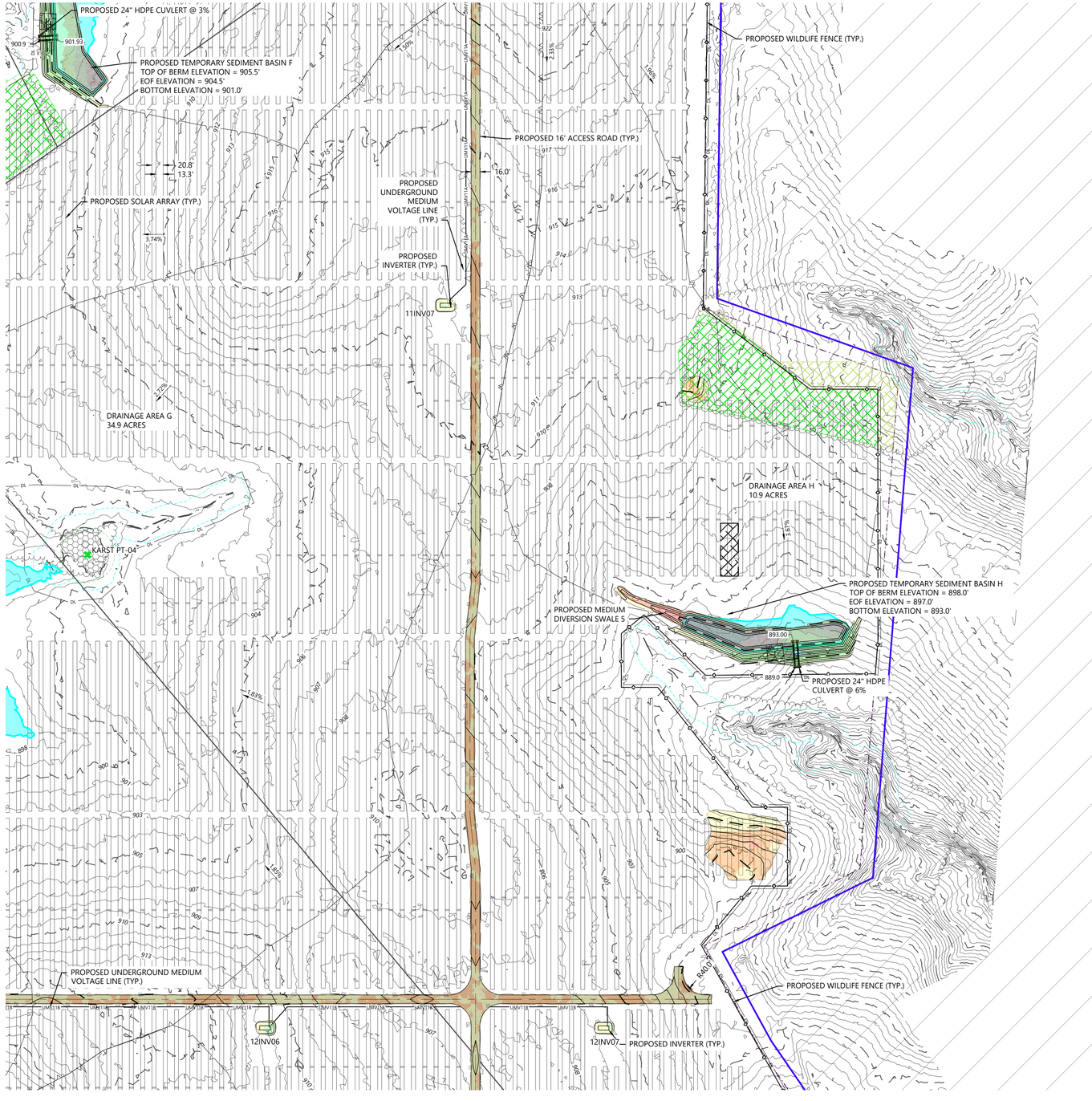
Site Grading Plan - 7

ISSUED FOR CONSTRUCTION

DATE: 07/15/2026

SHEET: C-132-07

REV: 0



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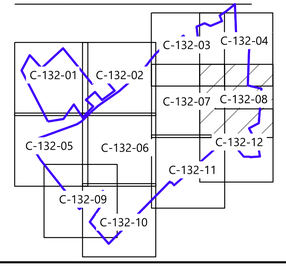

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0' 100' 200' 300'

Flat Run Solar, LLC

Taylor County, KY

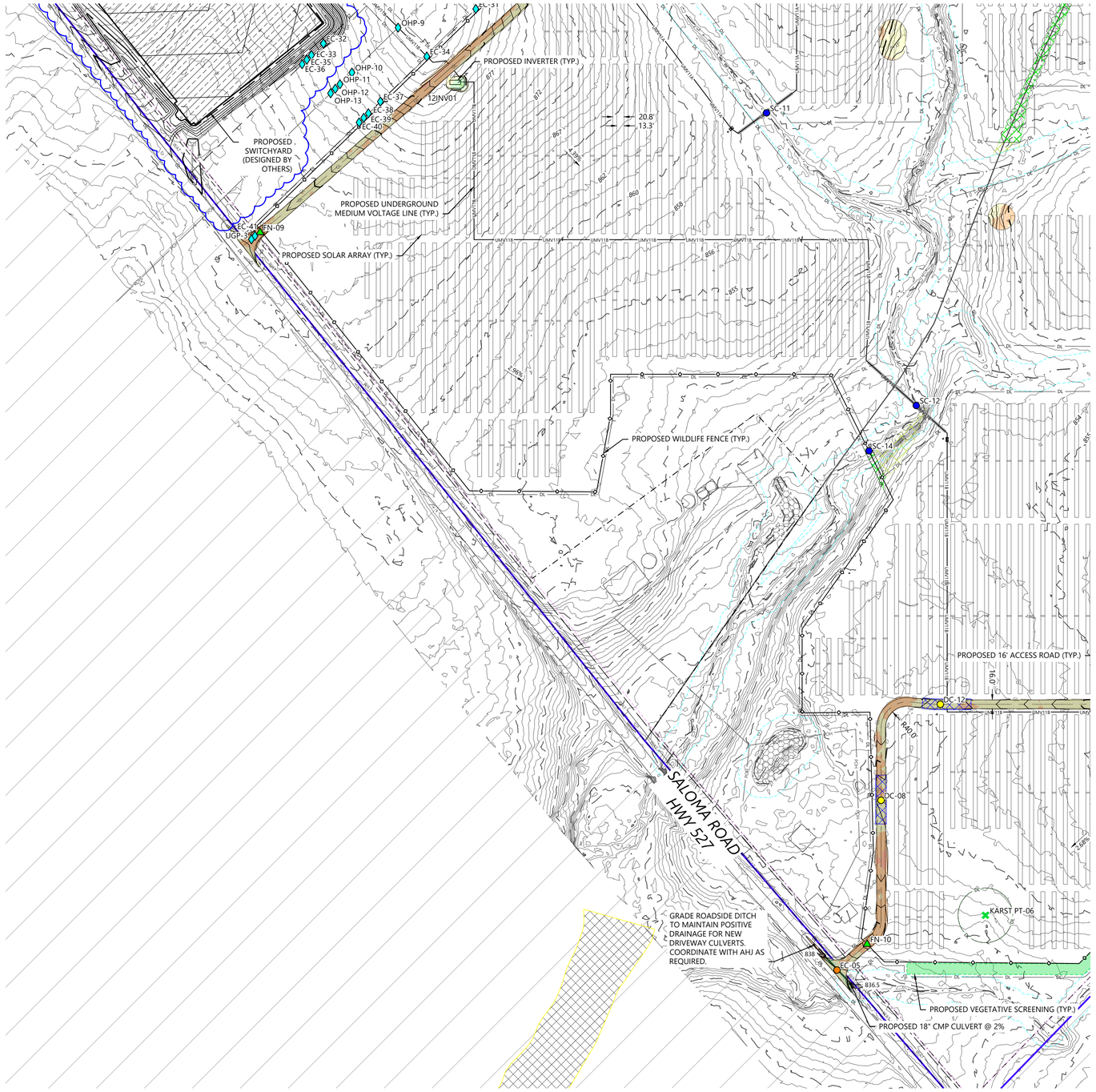
Site Grading Plan - 8

ISSUED FOR CONSTRUCTION

DATE: 07/15/2026

SHEET: C-132-08

REV: 0



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- PROPOSED TEMPORARY SOIL STOCKPILE
- PROPOSED LOW WATER CROSSING (SEE CROSSING TABLE ON SHEET C-180-05)
- PROPOSED CULVERT (SEE CROSSING TABLE ON SHEET C-180-05)
- PROPOSED TEMPORARY LAYDOWN YARD
- PROPOSED SUBSTATION
- PROPOSED POLLINATOR AREA
- PROPOSED SWITCHYARD (*DESIGNED BY OTHERS*)
- PROPOSED RIP RAP
- PROPOSED WATER BAR
- PROPOSED ENTRANCE
- PROPOSED DRAINAGE CROSSING
- PROPOSED ENTRANCE CROSSING
- PROPOSED 20' ACCESS GATE
- PROPOSED 24' ACCESS GATE
- PERMITTED UTILITY CROSSING (BY OTHERS)
- PERMITTED WATERBODY CROSSING (BY OTHERS)

EARTHWORK ELEVATIONS

EARTHWORK	COLOR	MIN. DEPTH (FT)	MAX DEPTH (FT)
CUT		-10.00	-8.00
		-8.00	-6.00
		-6.00	-4.00
		-4.00	-2.00
		-2.00	-1.00
		-1.00	0.00
FILL		0.00	1.00
		1.00	2.00
		2.00	4.00
		4.00	6.00
		6.00	7.00
		7.00	8.50
		8.50	10.5

GRADING AND DRAINAGE NOTES:

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3. MINOR SURFACE SMOOTHING MAY OCCUR IN AREAS WHERE GRADING IS NOT PROPOSED FOR SAFETY OR SOLAR ARRAY INSTALLATION.
4. MAINTAIN EXISTING DRAINAGE WHEN PLACING STOCKPILES AND WINDROWS TO AVOID FLOODING WORK AREA AND ADJACENT LAND.
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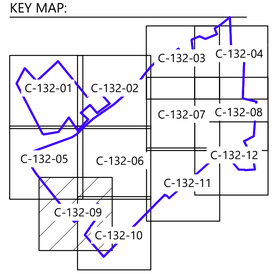
KEY MAP:



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Westwood Professional Services, Inc.

STATE OF KENTUCKY
DAVID KELCHER
35445
07/15/26
LICENSED PROFESSIONAL ENGINEER

PREPARED FOR:

Discovery A GES COMPANY
3401 Ridgewood Dr.
Edmond, OK 73013

REVISIONS:

#	DATE	COMMENT	BY	CHK	APR
0	07/15/2026	IFC Civil Design Plans	MPH	ELS	DFK

0' 100' 200' 300'

Flat Run Solar, LLC

Taylor County, KY

Site Grading Plan - 9

ISSUED FOR CONSTRUCTION

DATE: 07/15/2026

SHEET: C-132-09

REV: 0

THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION UNLESS SIGNED AND SEALED BY A LICENSED PROFESSIONAL ENGINEER

LEGEND:

- PROJECT BOUNDARY
- PARCEL LINES
- ADJACENT PARCEL LINES
- LEASE LINES
- EASEMENT LINES
- EX. INDEX CONTOUR
- EX. INTERVAL CONTOUR
- EX. TREELINE
- EX. PAVED ROAD
- EX. FENCE
- EX. STRUCTURE
- EX. KARST AREA
- EX. OVERHEAD POWER
- EX. FIBER OPTIC LINE
- EX. GAS PIPELINE
- EX. WATER LINE
- EX. DELINEATED STREAM CHANNEL
- EX. DELINEATED WETLAND
- EX. FEMA FLOOD ZONE A
- EXCLUSION AREA
- TREE CLEARING AND GRUBBING
- TREE FELLING
- PROPOSED SOLAR ARRAY
- PROPOSED ELECTRICAL EQUIPMENT
- PROPOSED 25' DELINEATED WATER BODY SETBACK
- PROPOSED 50' KARST AREA SETBACK
- PROPOSED 25' NONPARTICIPATING PARCEL SETBACK
- PROPOSED UNDERGROUND COLLECTION
- PROPOSED UNDERGROUND COLLECTION BORING
- PROPOSED 16' SOLAR ARRAY ACCESS ROAD
- PROPOSED 20' SUBSTATION ACCESS ROAD
- PROPOSED SECURITY FENCE
- PROPOSED WILDLIFE FENCE
- DRAINAGE AREA
- PROPOSED INDEX CONTOUR
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- PROPOSED POLLINATOR AREA
- PROPOSED SWITCHYARD (*DESIGNED BY OTHERS*)
- PROPOSED RIP RAP
- PROPOSED WATER BAR
- PROPOSED ENTRANCE
- DC-XX — PROPOSED DRAINAGE CROSSING
- EC-XX — PROPOSED ENTRANCE CROSSING
- FN-XX — PROPOSED 20' ACCESS GATE
- FN-XX — PROPOSED 24' ACCESS GATE
- XX-XX — PERMITTED UTILITY CROSSING (BY OTHERS)
- XX-XX — PERMITTED WATERBODY CROSSING (BY OTHERS)

EARTHWORK ELEVATIONS

EARTHWORK	COLOR	MIN. DEPTH (FT)	MAX DEPTH (FT)
CUT		-10.00	-8.00
		-8.00	-6.00
		-6.00	-4.00
		-4.00	-2.00
		-2.00	-1.00
		-1.00	0.00
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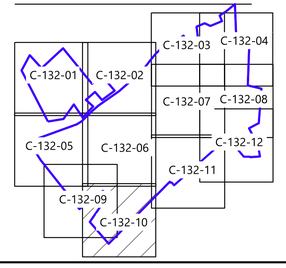

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STATE OF KENTUCKY — DAVID KELCHER — 35445 — 07/15/26 — LICENSED PROFESSIONAL ENGINEER

PREPARED FOR:

Discovery A GES COMPANY

3401 Ridgewood Dr.
Edmond, OK 73013

REVISIONS:

#	DATE	COMMENT	BY	CHK	APR
0	07/15/2026	IFC Civil Design Plans	MPH	ELS	DFK

0' 100' 200' 300'

Flat Run Solar, LLC

Taylor County, KY

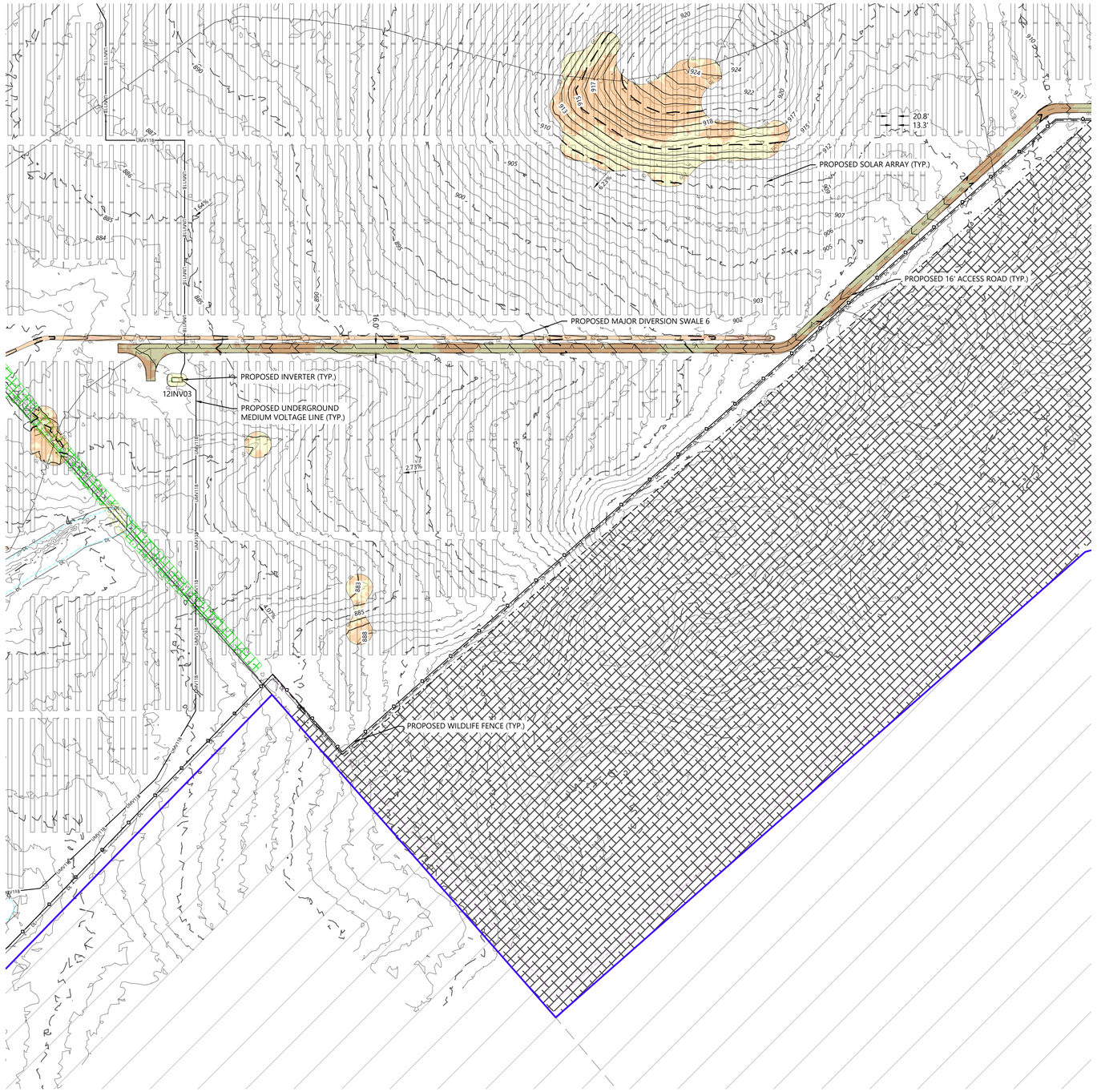
Site Grading Plan - 10

ISSUED FOR CONSTRUCTION

DATE: 07/15/2026

SHEET: C-132-10

REV: 0



LEGEND:

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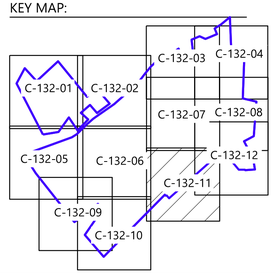

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STATE OF KENTUCKY
DAVID KELCHER
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07/15/26
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PREPARED FOR:

Discovery A GS COMPANY
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REVISIONS:

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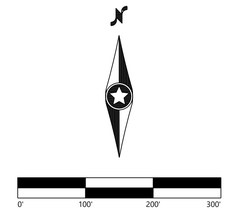


Flat Run Solar, LLC

Taylor County, KY

Site Grading Plan - 11

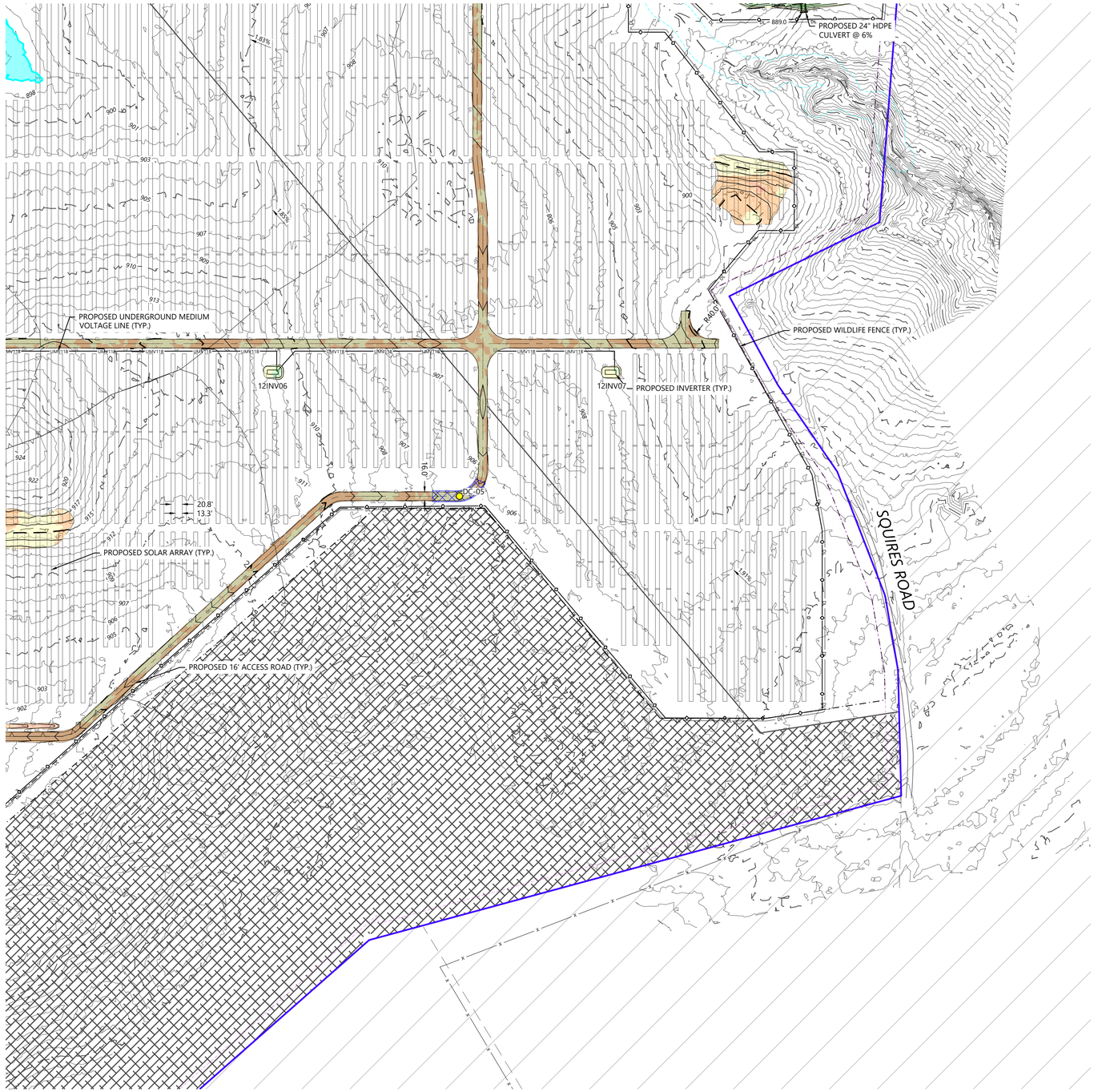
ISSUED FOR CONSTRUCTION

DATE: 07/15/2026

SHEET: C-132-11

REV: 0

W:\2026\026-00015\Civil\Design\IFC\Plan Sheets\C-132-11 Site Grading Plan - 11.dwg, 7/15/2026 4:19:54 PM, Adam Nicholas



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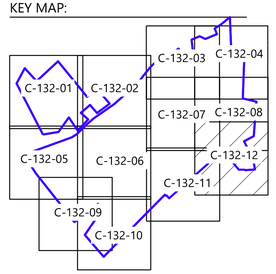

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0' 100' 200' 300'

Flat Run Solar, LLC

Taylor County, KY

Site Grading Plan - 12

ISSUED FOR CONSTRUCTION

DATE: 07/15/2026

SHEET: C-132-12

REV: 0

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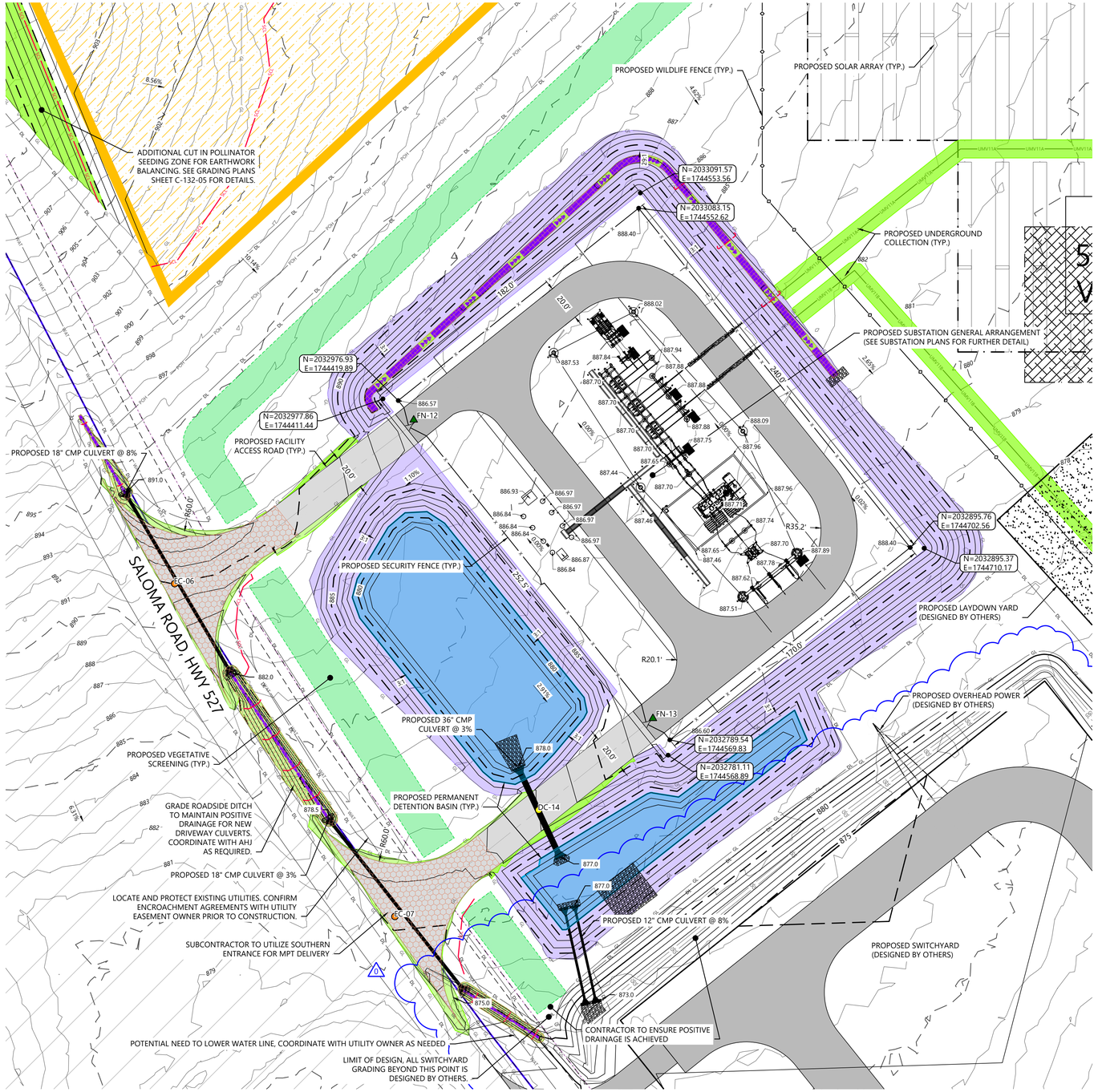

LEGEND:

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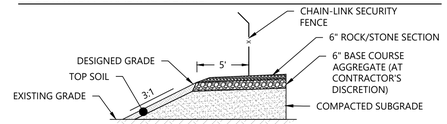
- PROPOSED DISTURBANCE LIMITS
- PROPOSED DIVERSION SWALE
- PROPOSED TEMPORARY SEDIMENT BASIN
- PROPOSED TEMPORARY SEDIMENT TRAP
- PROPOSED TEMPORARY BERM
- PROPOSED PERMANENT DETENTION BASIN
- PROPOSED VEGETATIVE BUFFER
- PROPOSED LAYDOWN YARD
- PROPOSED SUBSTATION
- PROPOSED POLLINATOR AREA
- PROPOSED SEEDING AND STRAW MULCHING (SEE DETAIL SW-80)
- PROPOSED SEEDING AND HYDROMULCHING (SEE DETAIL SW-80)
- PROPOSED SILT FENCE
- PROPOSED DOUBLE SILT FENCE
- PROPOSED 12" COMPOST FILTER SOCK
- PROPOSED STACKED FIBER LOG OVERFLOW
- PROPOSED RIPRAP
- PROPOSED EROSION CONTROL BLANKET OR HYDROMULCH
- PROPOSED VEHICLE TRACKOUT
- PROPOSED SEDIMENT CONTROL LOG
- PROPOSED ENTRANCE
- PROPOSED DRAINAGE CROSSING
- PROPOSED ENTRANCE CROSSING
- PROPOSED 24' ACCESS GATE

0 CONSTRUCTION IN THIS REGION NOT TO BEGIN UNTIL FURTHER COORDINATION HAS OCCURRED WITH BURNS AND MCDONNELL REGARDING SWITCHYARD GRADING DESIGN.

SUBSTATION GRADING DETAIL:



PROJECT EARTHWORK QUANTITIES

ITEM	CUT VOL. (CY)	ADJ. CUT (CY)	FILL VOL. (CY)	NET VOL. (CY)
SUBSTATION PAD GRADING	1,565	1,423	8,790	(7,367)
SUBSTATION ACCESS ROAD	63	57	95	(38)
SUBSTATION DETENTION BASINS	3,125	2,841	155	2,686
POLLINATOR AREA	5,855	5,323	0	5,323
TOTAL	10,608	9,644	9,040	604

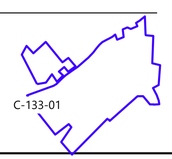
ADDITIONAL QUANTITIES

ITEM	CUT VOL. (CY)	FILL VOL. (CY)
TOPSOIL STRIPPING	1,275	0
6" ROCK	0	850
6" BASE COURSE	0	850

NOTES:

1. SUBSTATION GRADING PADS ARE DESIGNED OFF OF GENERAL ARRANGEMENTS PROVIDED IN THE WESTWOOD SUBSTATION PLANS.
2. CONTRACTOR SHALL FOLLOW ALL BEST MANAGEMENT PRACTICES WHILE CONSTRUCTING THE FACILITY GRADING PADS.
3. CONTRACTOR SHALL FOLLOW THE GRADING PLANS TO ENSURE POSITIVE DRAINAGE IS MET SURROUNDING THE FACILITY.
4. SEE THE FLAT RUN GRADING PLANS FOR PERMANENT DETENTION BASIN DETAIL.
5. PROPOSED GRADE SURFACE ELEVATIONS ARE DESIGNED TO TOP OF ROCK/STONE SECTION.

KEY MAP:



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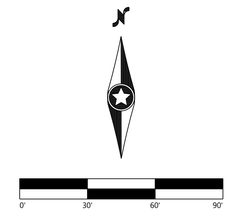
STATE OF KENTUCKY
DAVID ELS KELCHER
35445
07/15/26
LICENSED PROFESSIONAL ENGINEER

PREPARED FOR:

Discovery A GES COMPANY
3401 Ridgewood Dr.
Edmond, OK 73013

REVISIONS:

#	DATE	COMMENT	BY	CHK	APR
0	07/15/2026	IFC Civil Design Plans	MPH	ELS	DFK



Flat Run Solar, LLC

Taylor County, KY

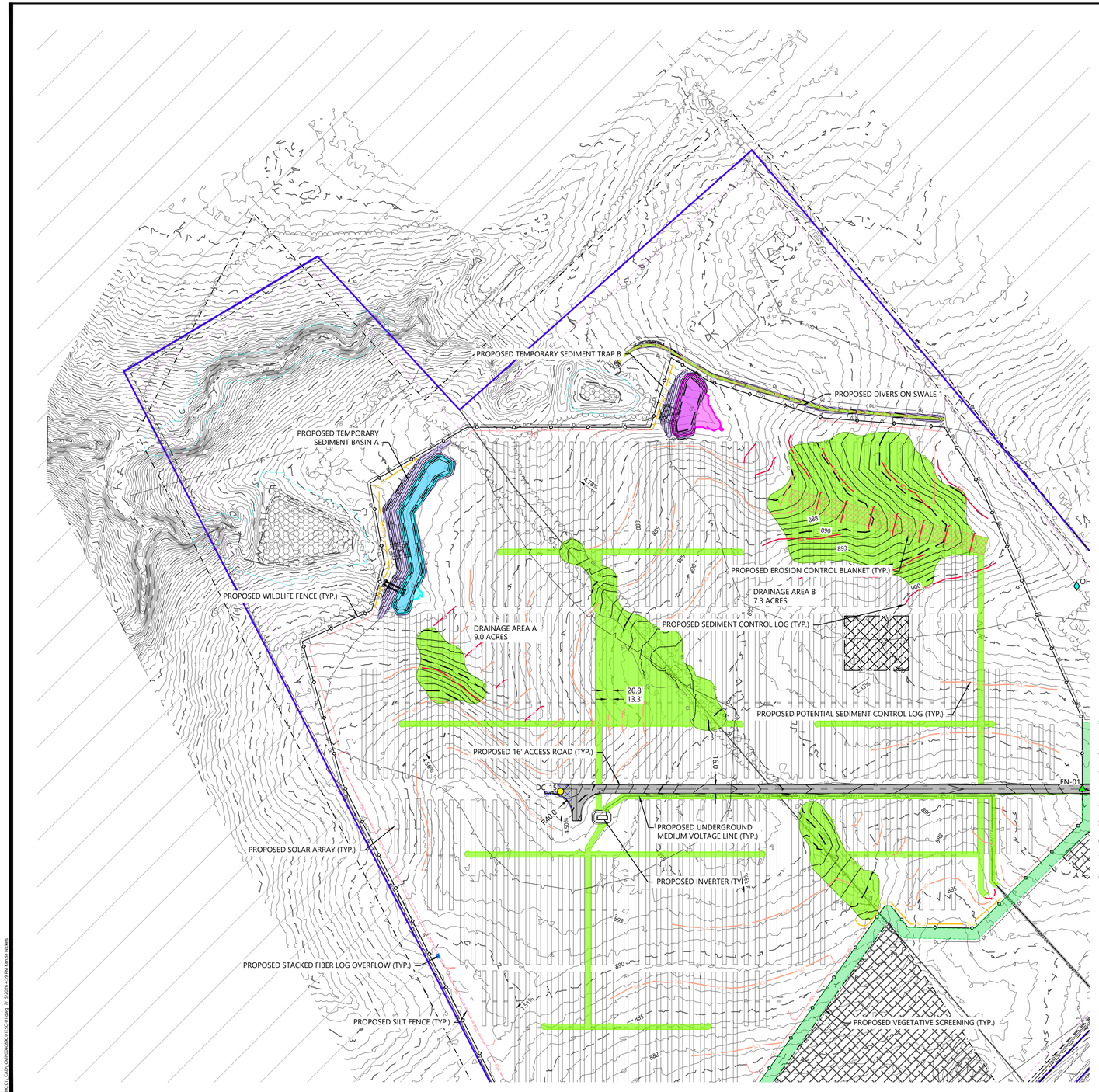
Substation Grading Plan

ISSUED FOR CONSTRUCTION

DATE: 07/15/2026

SHEET: C-133-01

REV: 0



LEGEND:

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- EASEMENT LINES
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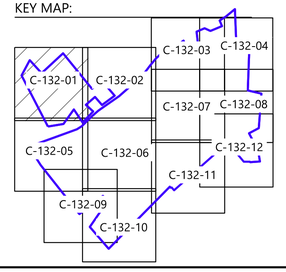

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0' 100' 200' 300'

Flat Run Solar, LLC

Taylor County, KY

Erosion and Sediment Control Plan - 1

ISSUED FOR CONSTRUCTION

DATE: 07/15/2026

SHEET: C-141-01

REV: 0

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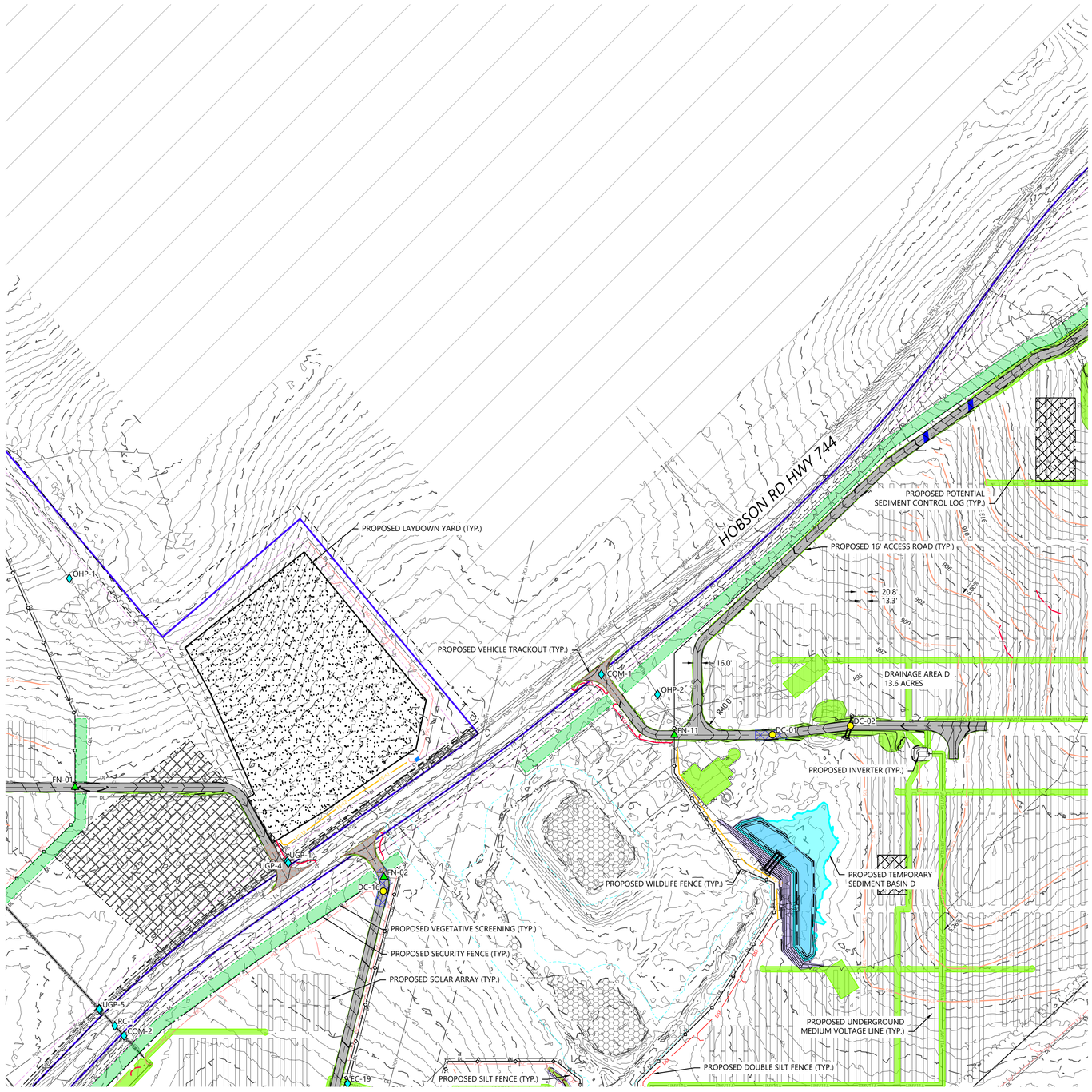

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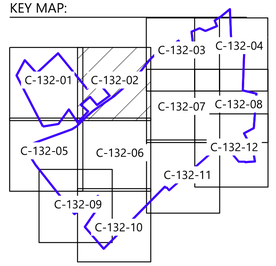

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REVISIONS:

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0' 100' 200' 300'

Flat Run Solar, LLC

Taylor County, KY

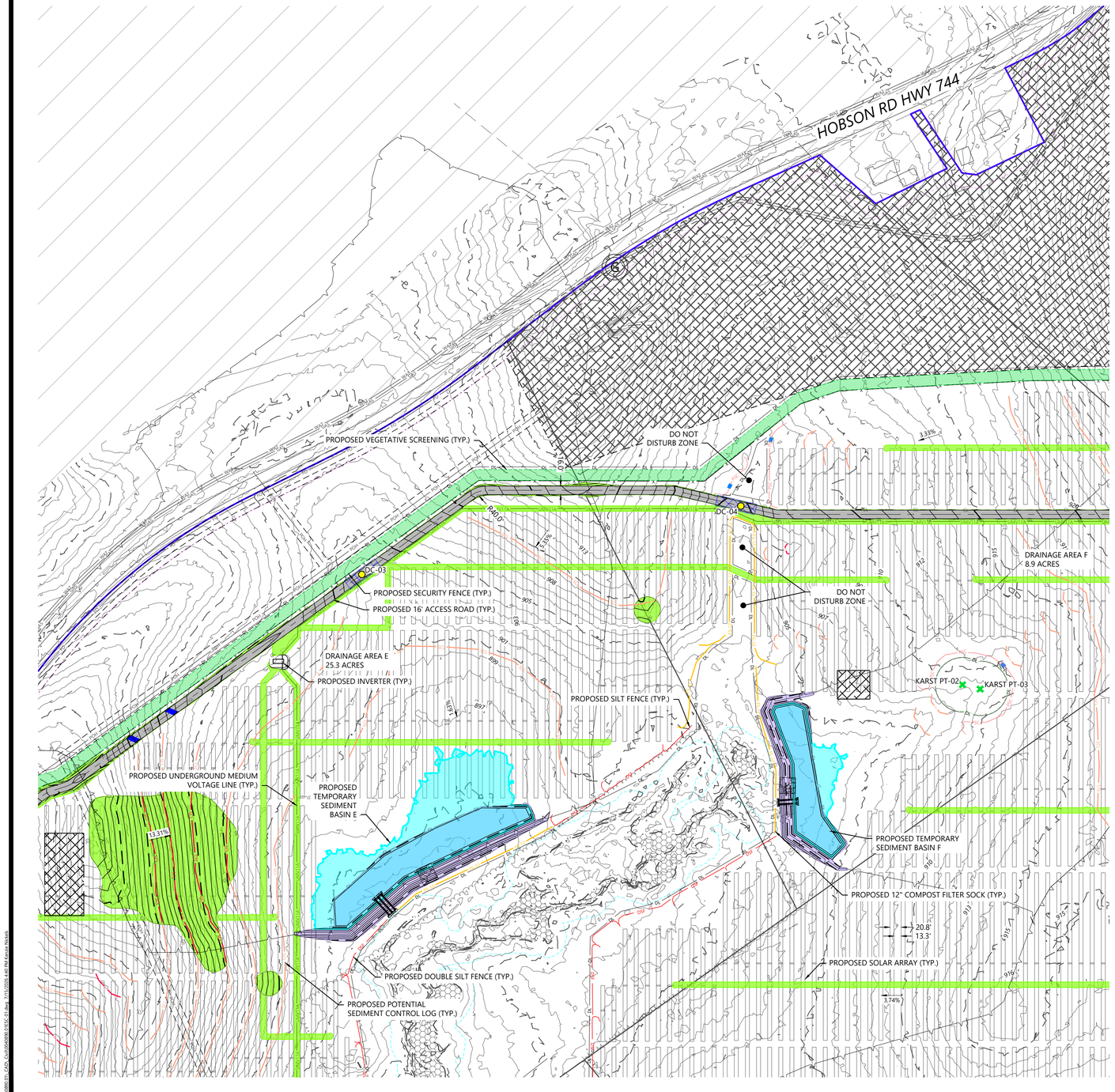
Erosion and Sediment Control Plan - 1

ISSUED FOR CONSTRUCTION

DATE: 07/15/2026

SHEET: C-141-02

REV: 0



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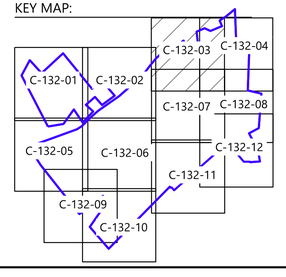

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REVISIONS:

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0' 100' 200' 300'

Flat Run Solar, LLC

Taylor County, KY

Erosion and Sediment Control Plan - 1

ISSUED FOR CONSTRUCTION

DATE: 07/15/2026

SHEET: C-141-03 REV: 0

K:\WSD\Projects\Flat Run Solar, LLC\Design\Civil\Sheets\C-141-03.dwg, 7/15/2026 4:49 PM, Kamron Nickels

LEGEND:

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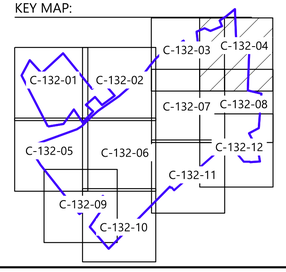

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Flat Run Solar, LLC

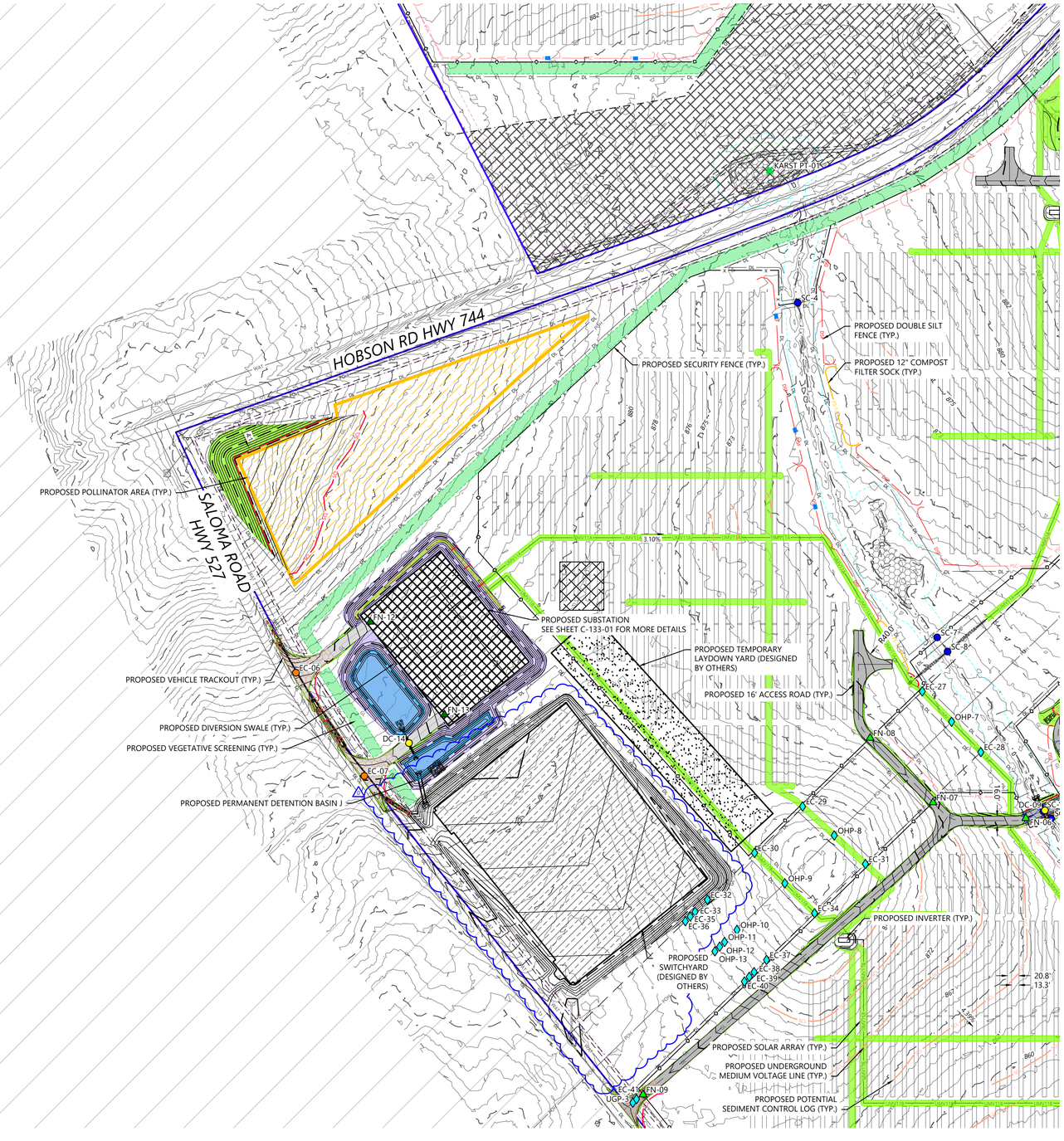
Taylor County, KY

Erosion and Sediment Control Plan - 1

ISSUED FOR CONSTRUCTION

DATE: 07/15/2026

SHEET: C-141-04 REV: 0



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CONSTRUCTION IN THIS REGION NOT TO BEGIN UNTIL FURTHER COORDINATION HAS OCCURRED WITH BURNS AND MCDONNELL REGARDING SWITCHYARD GRADING DESIGN.

EROSION AND SEDIMENT CONTROL NOTES:

1. REFER TO THE CONSTRUCTION GENERAL PERMIT (CGP), THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP), AND EROSION AND SEDIMENT CONTROL CONSTRUCTION NOTES ON SHEET C-102-01 FOR ADDITIONAL INFORMATION AND TYPICAL BMP APPLICATIONS.
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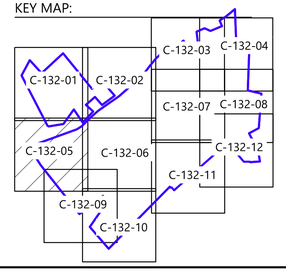

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STATE OF KENTUCKY
DAVID KELCHER
35445
07/15/26
LICENSED PROFESSIONAL ENGINEER

PREPARED FOR:

Discovery A GS COMPANY
3401 Ridgewood Dr.
Edmond, OK 73013

REVISIONS:

#	DATE	COMMENT	BY	CHK	APR
0	07/15/2026	IFC Civil Design Plans	MPH	ELS	DFK

0' 100' 200' 300'

Flat Run Solar, LLC

Taylor County, KY

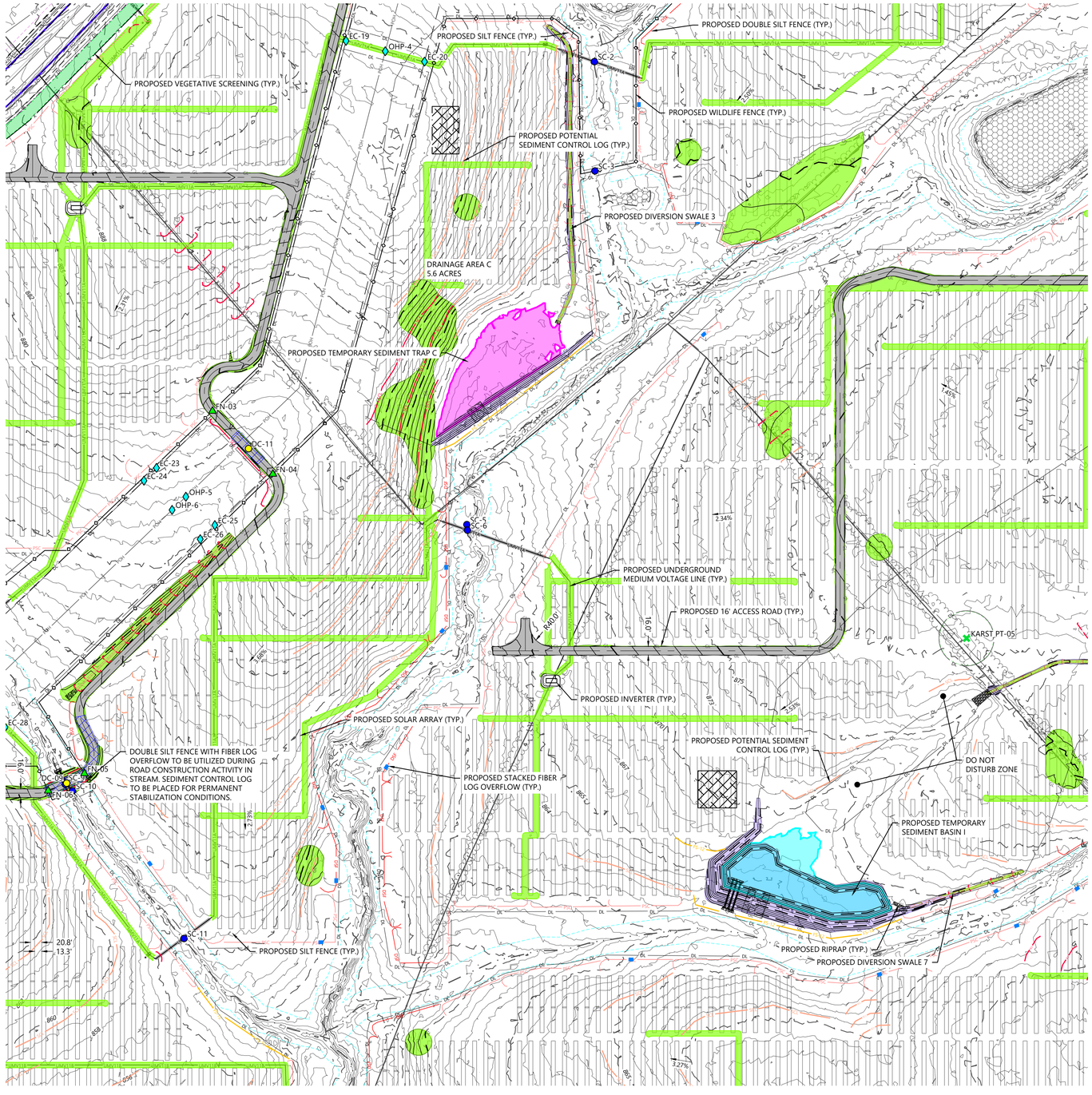
Erosion and Sediment Control Plan - 1

ISSUED FOR CONSTRUCTION

DATE: 07/15/2026

SHEET: C-141-05

REV: 0



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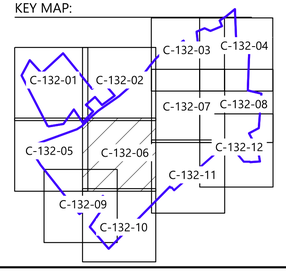

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0' 100' 200' 300'

Flat Run Solar, LLC

Taylor County, KY

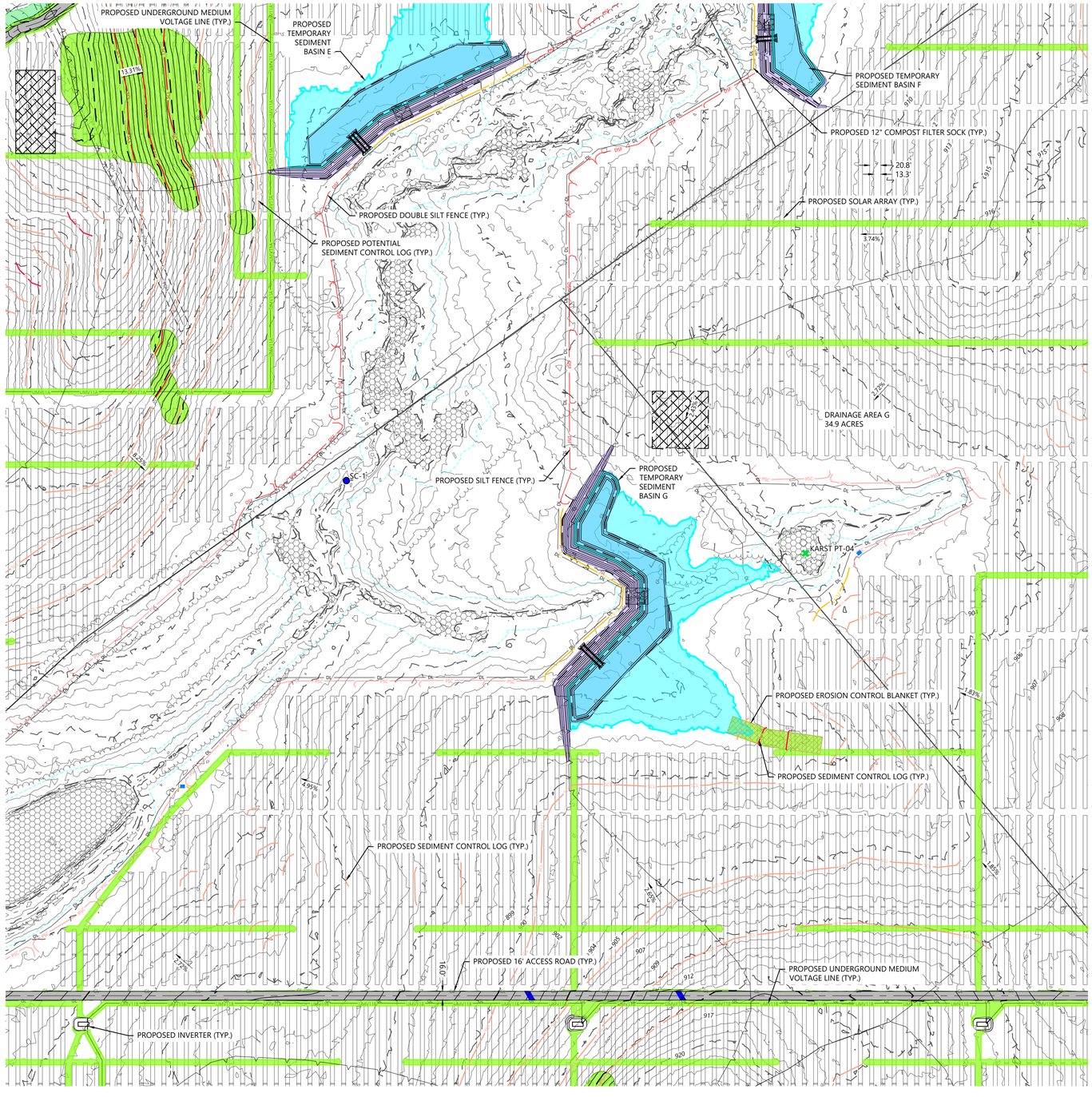
Erosion and Sediment Control Plan - 1

ISSUED FOR CONSTRUCTION

DATE: 07/15/2026

SHEET: C-141-06

REV: 0



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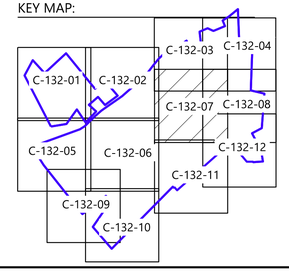

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0' 100' 200' 300'

Flat Run Solar, LLC

Taylor County, KY

Erosion and Sediment Control Plan - 1

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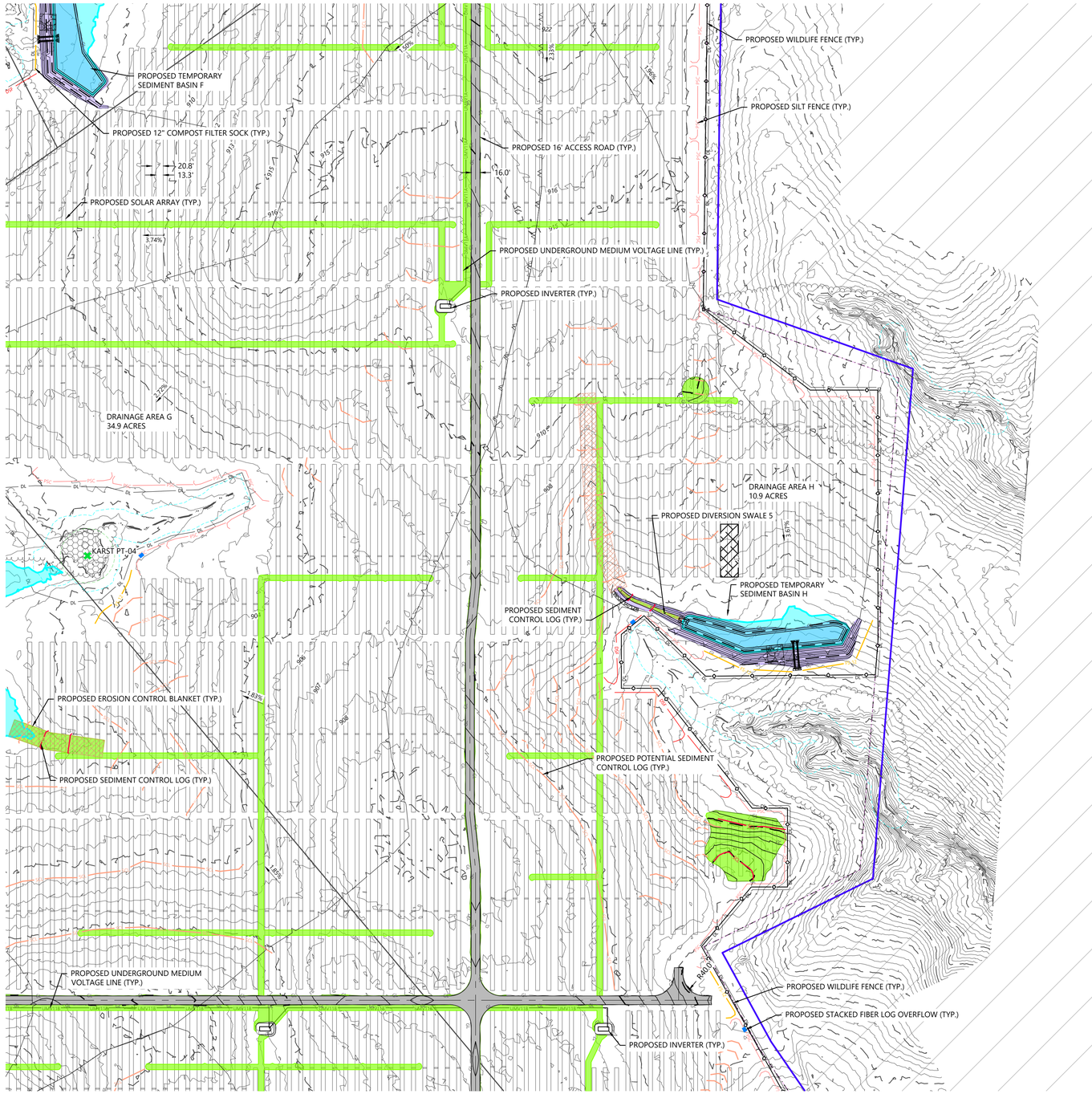
SHEET: C-141-07

REV: 0



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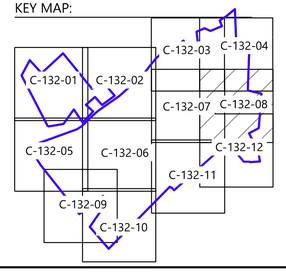

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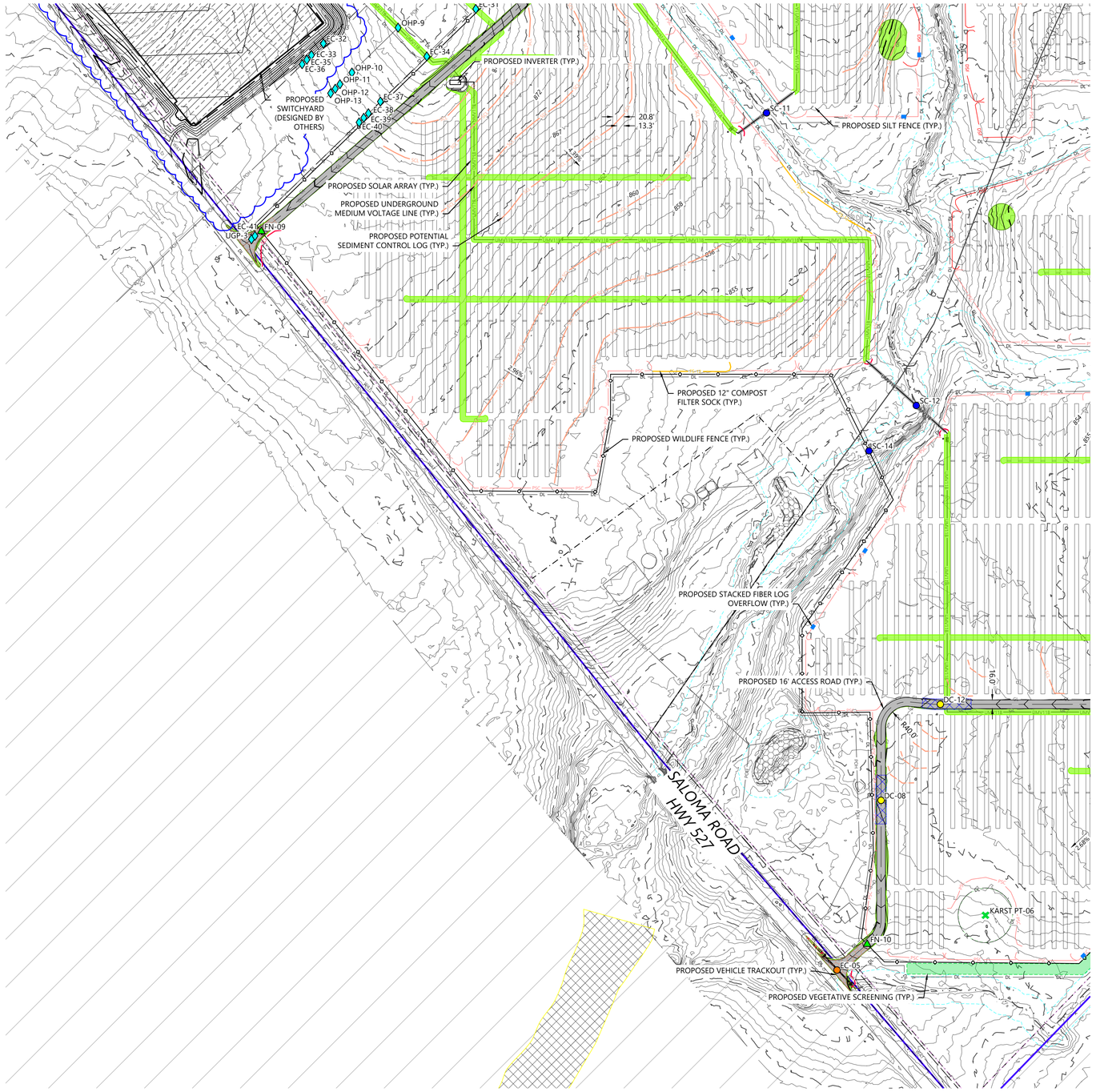

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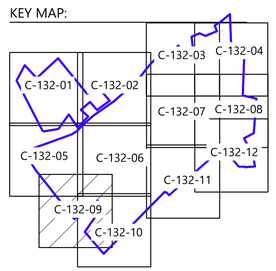

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DAVID KELCHER 35445 07/15/26 LICENSED PROFESSIONAL ENGINEER
STATE OF KENTUCKY

PREPARED FOR:
Discovery A GS COMPANY
3401 Ridgewood Dr.
Edmond, OK 73013

REVISIONS:

#	DATE	COMMENT	BY	CHK	APR
0	07/15/2026	IFC Civil Design Plans	MPH	ELS	DFK

0' 100' 200' 300'

Flat Run Solar, LLC

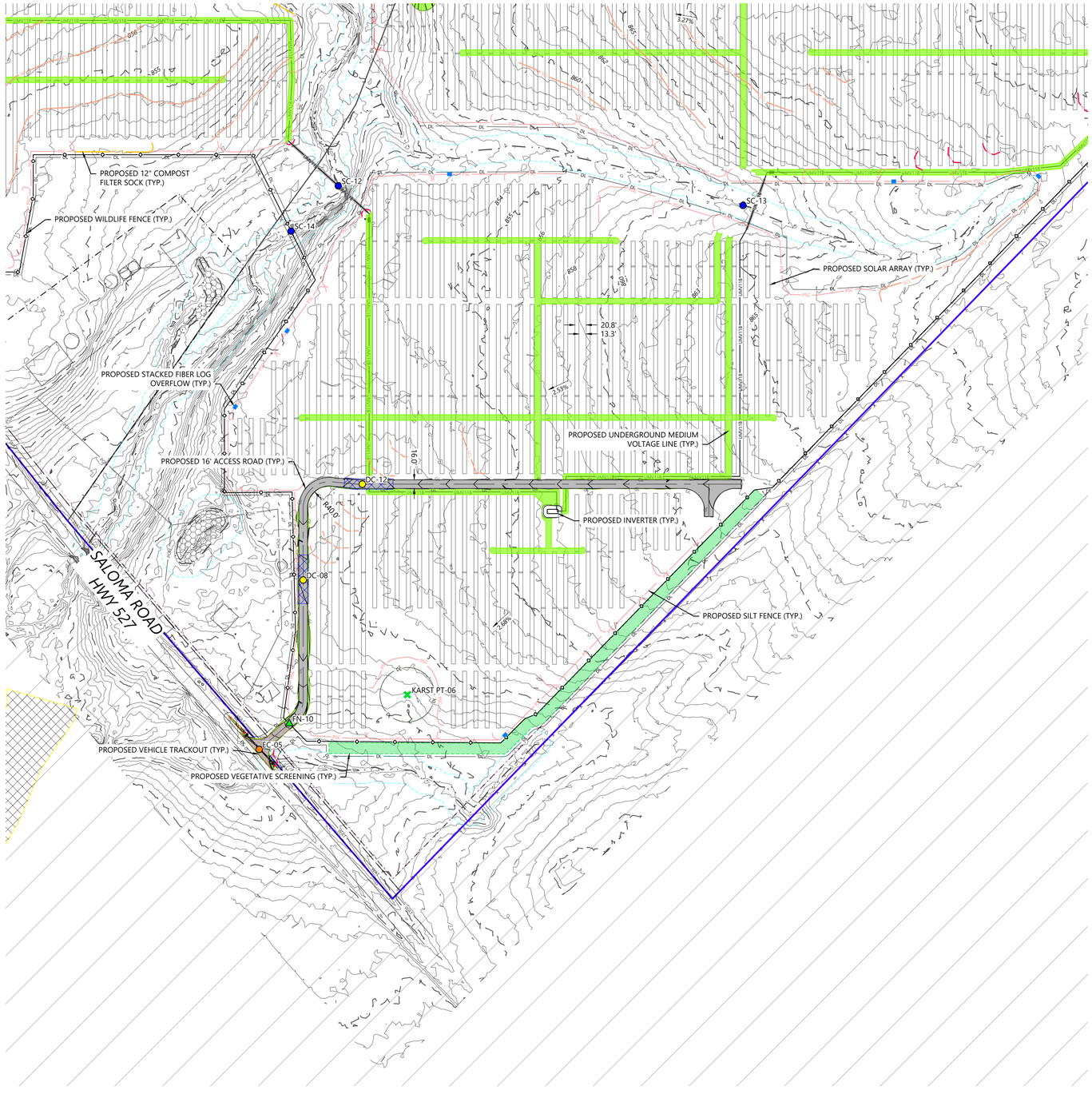
Taylor County, KY

Erosion and Sediment Control Plan - 1

ISSUED FOR CONSTRUCTION

DATE: 07/15/2026

SHEET: C-141-09 REV: 0



LEGEND:

- PROJECT BOUNDARY
- PARCEL LINES
- ADJACENT PARCEL LINES
- LEASE LINES
- EASEMENT LINES
- EX. INDEX CONTOUR
- EX. INTERVAL CONTOUR
- EX. TREELINE
- EX. PAVED ROAD
- EX. FENCE
- EX. STRUCTURE
- EX. KARST AREA
- EX. OVERHEAD POWER
- EX. FIBER OPTIC LINE
- EX. GAS PIPELINE
- EX. WATER LINE
- EX. DELINEATED STREAM CHANNEL
- EX. DELINEATED WETLAND
- EX. FEMA FLOOD ZONE A
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- PROPOSED SOLAR ARRAY
- PROPOSED ELECTRICAL EQUIPMENT
- PROPOSED 25' DELINEATED WATER BODY SETBACK
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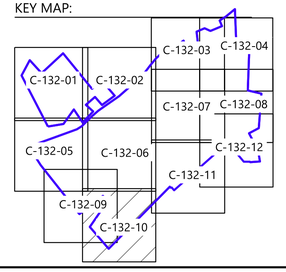

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Flat Run Solar, LLC

Taylor County, KY

Erosion and Sediment Control Plan - 1

ISSUED FOR CONSTRUCTION

DATE: 07/15/2026

SHEET: C-141-10 REV: 0

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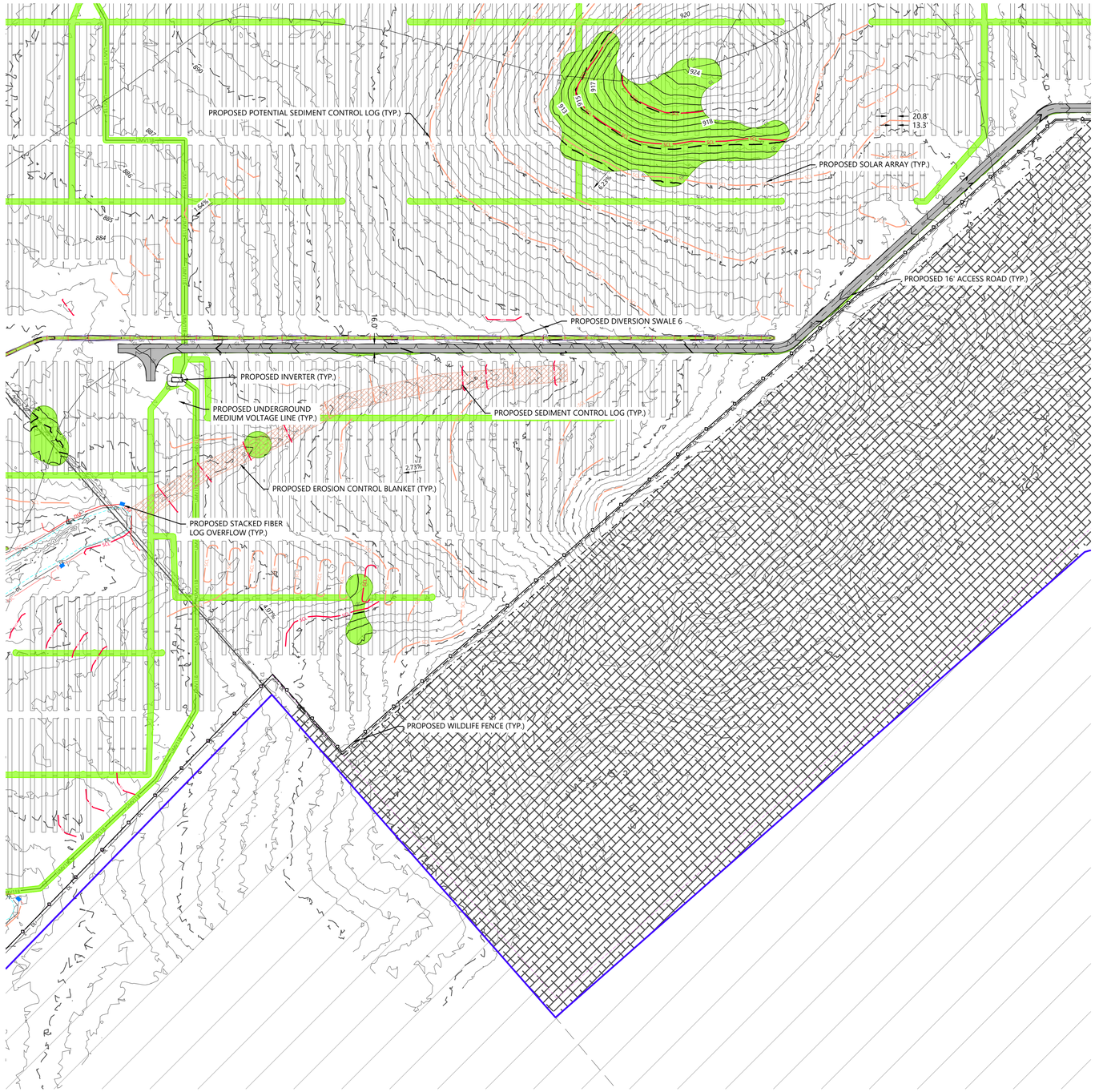

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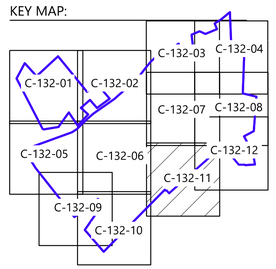

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Taylor County, KY

Erosion and Sediment Control Plan - 1

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SHEET: C-141-11 REV: 0

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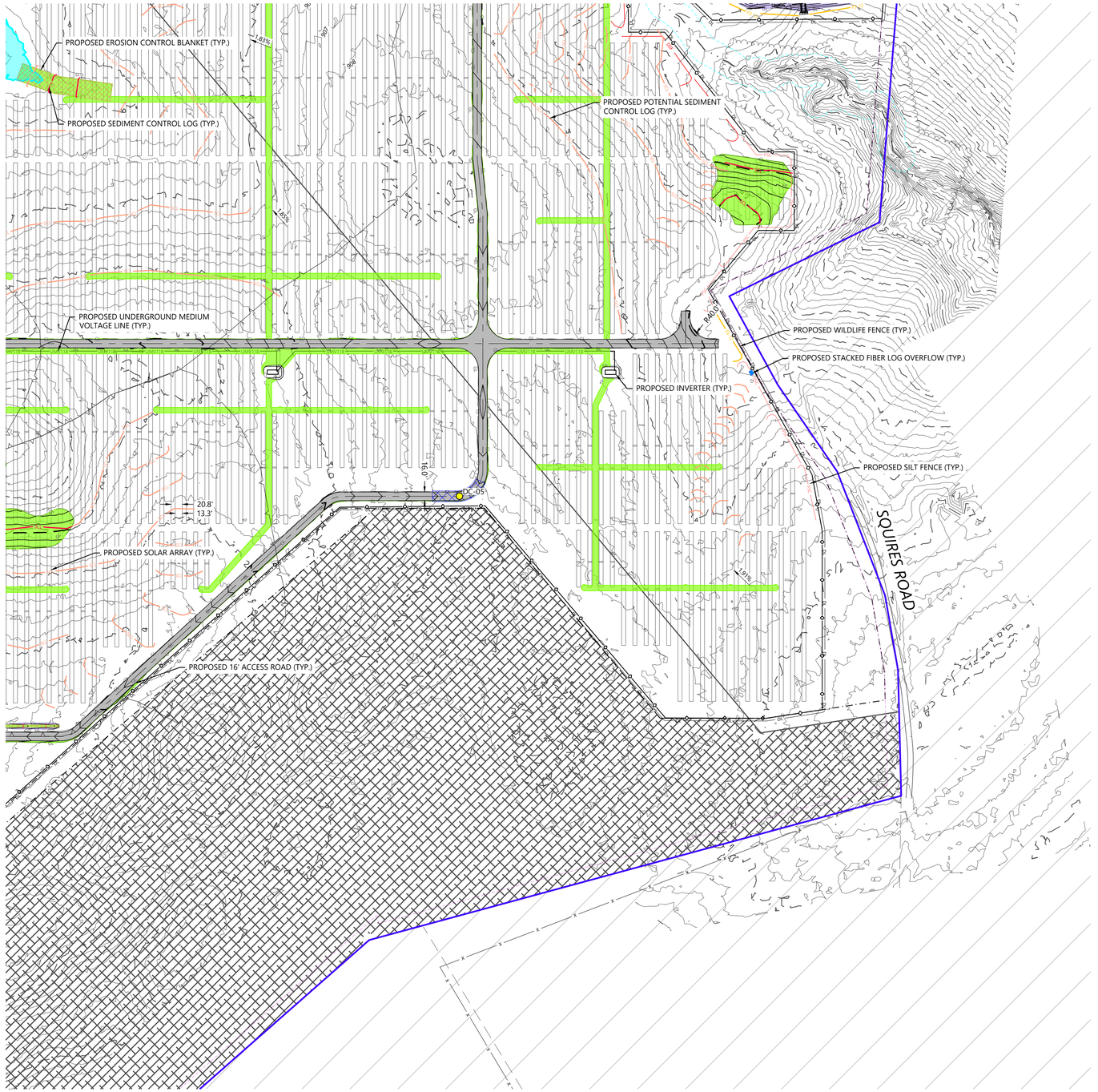

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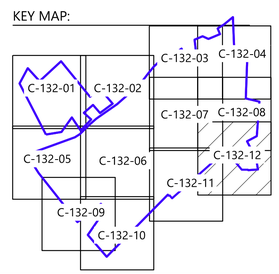

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0' 100' 200' 300'

Flat Run Solar, LLC

Taylor County, KY

Erosion and Sediment Control Plan - 1

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DATE: 07/15/2026

SHEET: C-141-12

REV: 0

DOCUMENT PATH: C:\Civil\Construction\132\C-141.dwg, 7/15/2026 4:14 PM, Kenton Nickels

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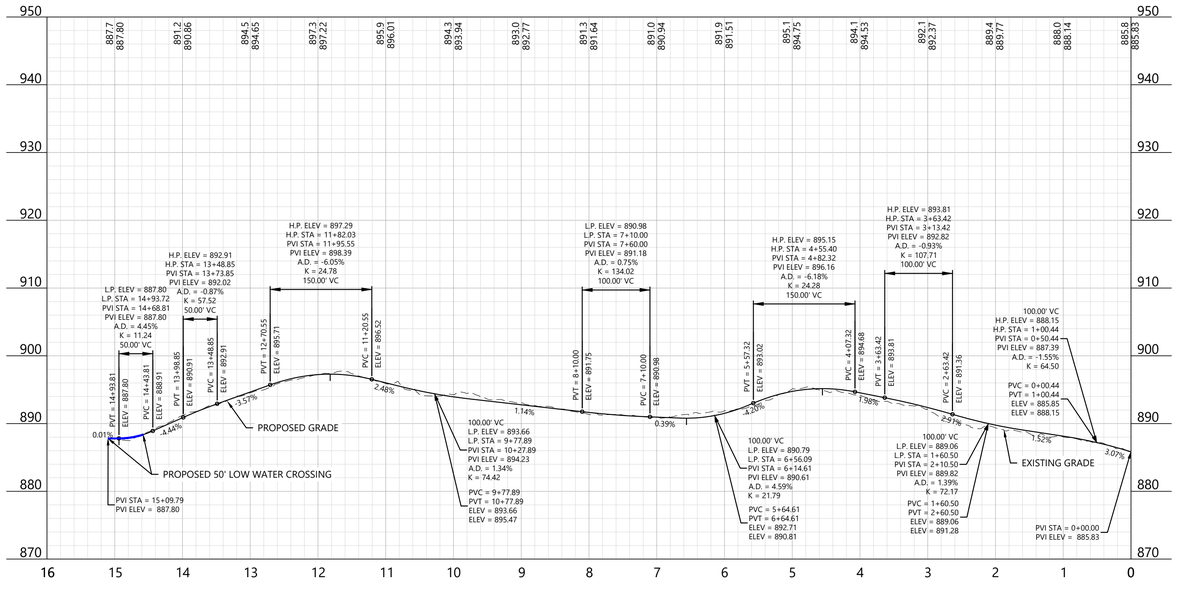

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GRADING AND DRAINAGE NOTES:

1. ARRAY AND ELECTRICAL EQUIPMENT SHOWN ARE FOR REFERENCE ONLY. DETAILED INFORMATION CAN BE FOUND IN ELECTRICAL DRAWINGS, DETAILS, AND SPECIFICATIONS.
2. SITE PREPARATION INCLUDES CLEARING/GRUBBING, GRADING, COMPACTION, MOWING OF VEGETATION, AND RESTABILIZATION OF DISTURBED AREA.
3. MINOR SURFACE SMOOTHING MAY OCCUR IN AREAS WHERE GRADING IS NOT PROPOSED FOR SAFETY OR SOLAR ARRAY INSTALLATION.
4. MAINTAIN EXISTING DRAINAGE WHEN PLACING STOCKPILES AND WINDROWS TO AVOID FLOODING WORK AREA AND ADJACENT LAND.
5. IN THE CASE OF AN UNBALANCED SUBGRADE, THE CONTRACTOR MAY IMPORT GENERAL FILL MATERIAL OR BORROW FROM AN ADJACENT BORROW PIT IF SHORT ON MATERIAL. IN THE CASE OF EXCESS SUBGRADE MATERIAL, THE CONTRACTOR MAY CHOOSE TO STOCKPILE THE SUBGRADE MATERIAL OR EXPORT THE GENERAL FILL MATERIAL. THE CONTRACTOR WILL NEED TO COORDINATE WITH THE LANDOWNER(S) IF APPROPRIATE.
6. ENGINEER OF RECORD TO PROVIDE CONTRACTOR WITH ALIGNMENT DATA VIA AUTOCAD FILE FOR FIELD LAYOUT.
7. ROAD TO BE CROWNED WHERE NOT CALLED OUT AS CROSS SLOPED.

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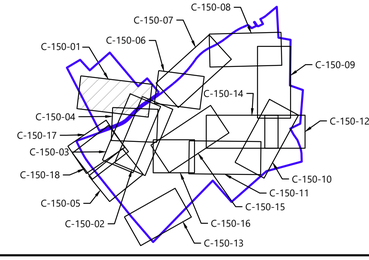

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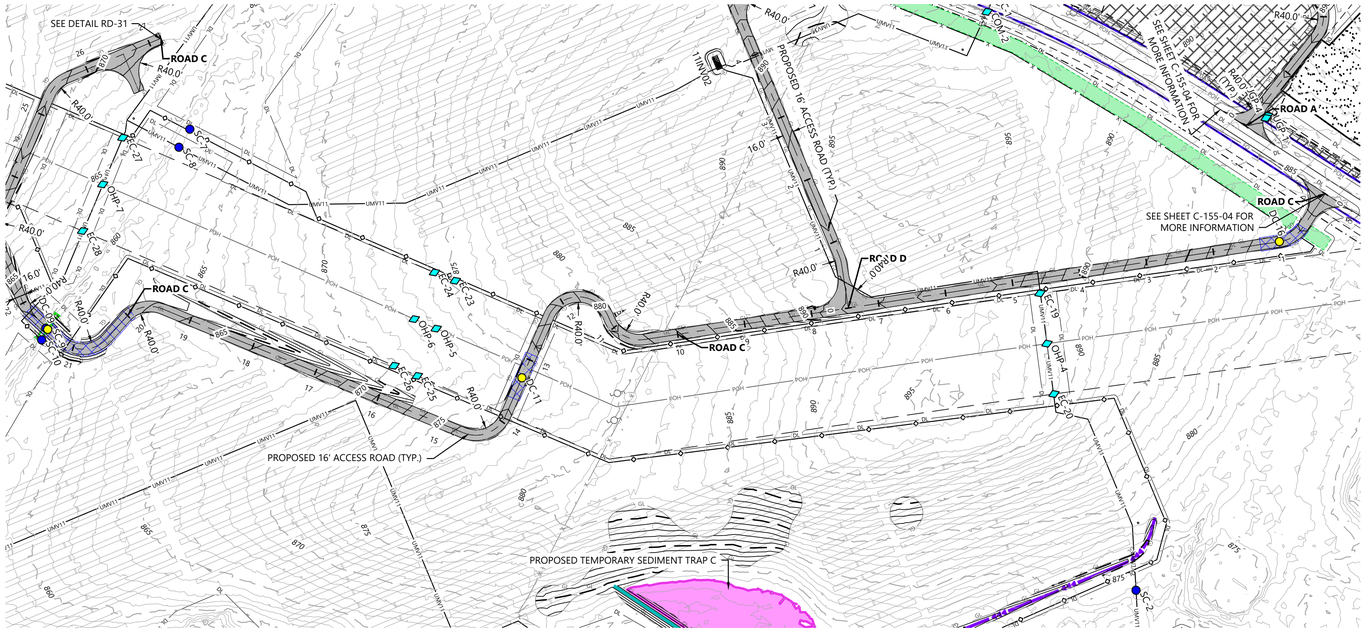
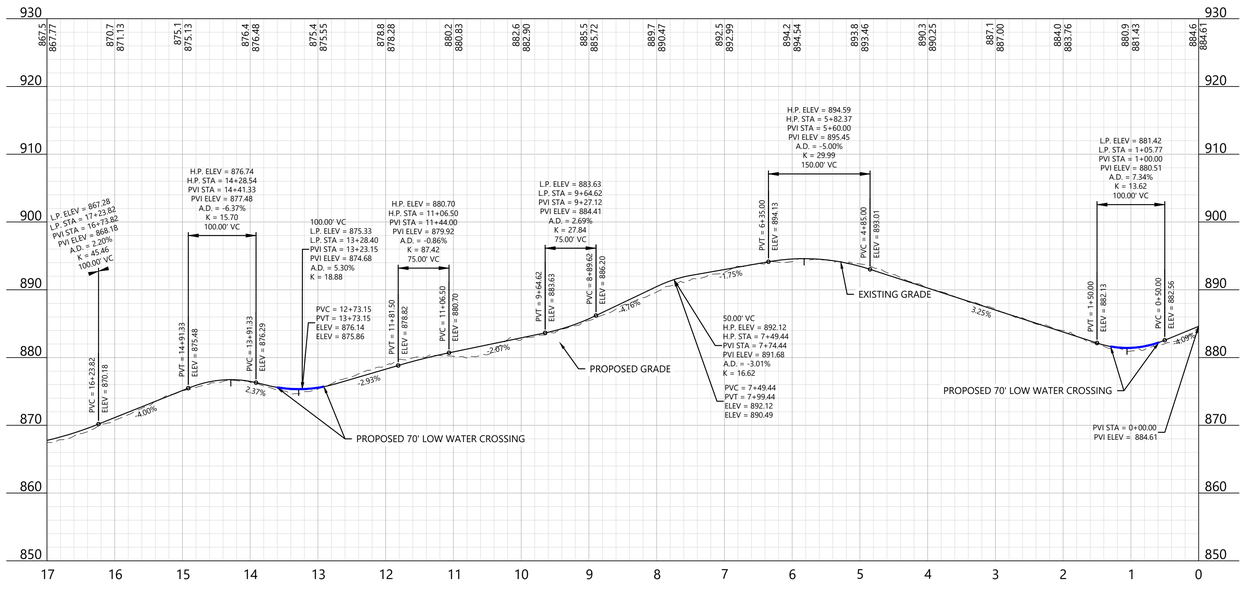
DATE: 07/15/2026

SHEET: C-150-01 REV: 0



Road C - Sta. 0+00 to 17+00



LEGEND:

- PROJECT BOUNDARY
- LEASE LINES
- ADJACENT PARCEL LINES
- EASEMENT LINES
- 900 EX. INDEX CONTOUR
- EX. INTERVAL CONTOUR
- EX. TREELINE
- EX. PAVED ROAD
- X EX. FENCE
- EX. STRUCTURE
- EX. KARST AREA
- POH EX. OVERHEAD POWER
- FO EX. FIBER OPTIC LINE
- GAS EX. GAS PIPELINE
- WAT EX. WATER LINE
- EX. DELINEATED STREAM CHANNEL
- EX. DELINEATED WETLAND
- EX. FEMA FLOOD ZONE A
- EXCLUSION AREA
- PROPOSED INVERTER BLOCK BOUNDARY
- PROPOSED SOLAR ARRAY
- PROPOSED ELECTRICAL EQUIPMENT
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- PROPOSED 50' KARST AREA SETBACK
- PROPOSED 25' NONPARTICIPATING PARCEL SETBACK
- PROPOSED 100' CEMETERY SETBACK
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- UMV PROPOSED UNDERGROUND COLLECTION
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- PROPOSED WILDLIFE FENCE
- 900 PROPOSED INDEX CONTOUR
- PROPOSED INTERVAL CONTOUR
- GL PROPOSED GRADING LIMITS
- DL PROPOSED DISTURBANCE LIMITS
- PROPOSED DIVERSION SWALE
- PROPOSED TEMPORARY SEDIMENT BASIN
- PROPOSED TEMPORARY SEDIMENT TRAP
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- DC-XX PROPOSED DRAINAGE CROSSING
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- XX-XX PERMITTED UTILITY CROSSING (BY OTHERS)
- XX-XX PERMITTED WATERBODY CROSSING (BY OTHERS)

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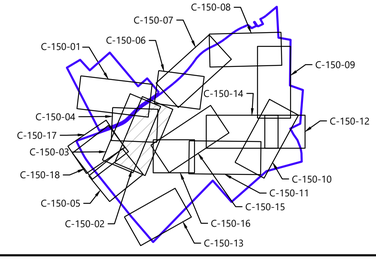
KEY MAP:



Westwood
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Toll Free (888) 937-5150 Minnetonka MN, 55343
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STATE OF KENTUCKY
DAVID KELCHER
35445
07/15/26
LICENSED PROFESSIONAL ENGINEER

PREPARED FOR:

Discovery A GS COMPANY
3401 Ridgewood Dr.
Edmond, OK 73013

REVISIONS:

#	DATE	COMMENT	BY	CHK	APR
0	07/15/2026	IFC Civil Design Plans	MPH	ELS	DFK

0' 100' 200' 300'

Flat Run Solar, LLC

Taylor County, KY

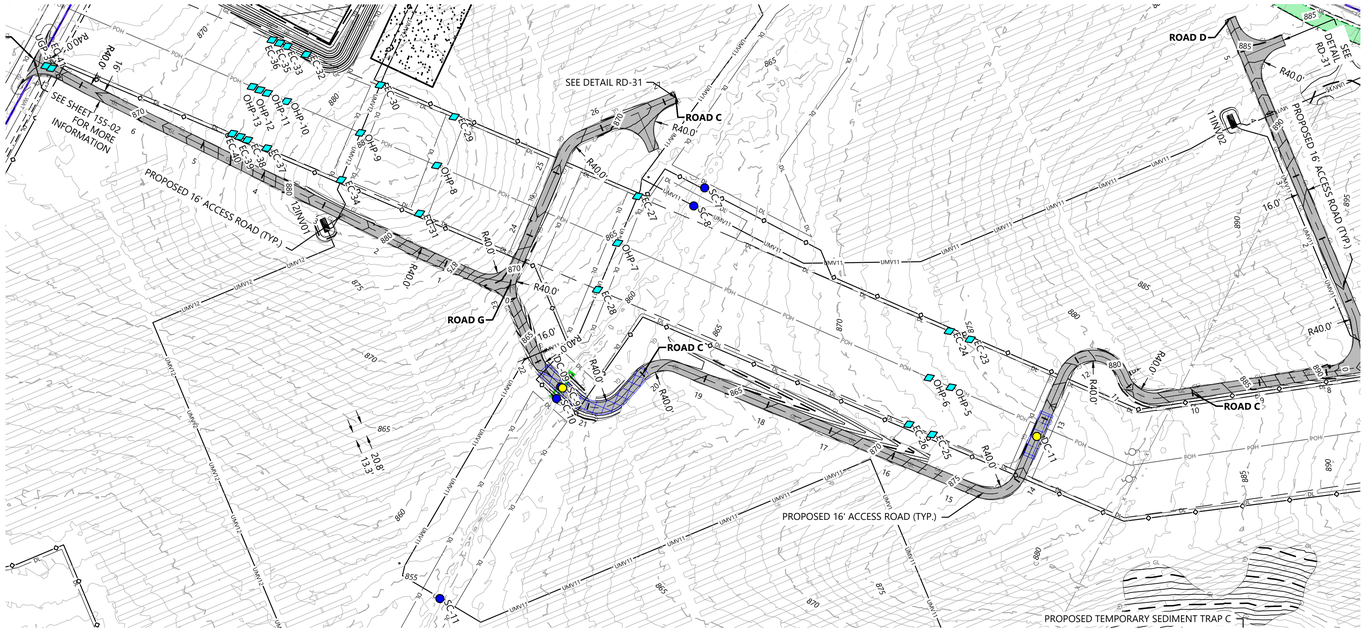
Plan & Profile Road C
Sta. 0+00.00 to 17+00.00

ISSUED FOR CONSTRUCTION

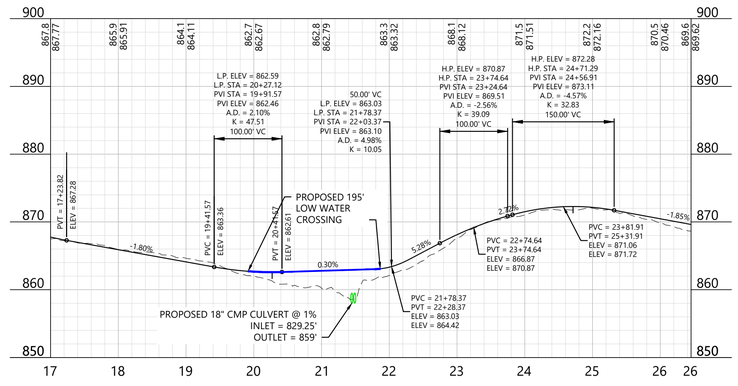
DATE: 07/15/2026

SHEET: C-150-02 REV: 0

I:\2020\01\CIVIL\Construction\IFC Design 7\2020012.4.IFC Civil Design Plans.dwg, 7/15/2026 8:44:31 AM, Daniel Nichols



Road C - Sta. 17+00 to 26+46



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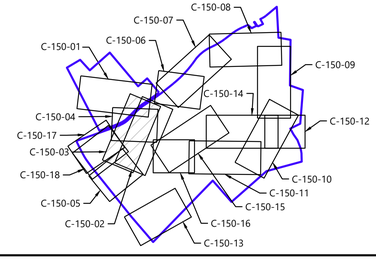

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0' 100' 200' 300'

Flat Run Solar, LLC

Taylor County, KY

Plan & Profile Road C
Sta. 17+00 to 26+46

ISSUED FOR CONSTRUCTION

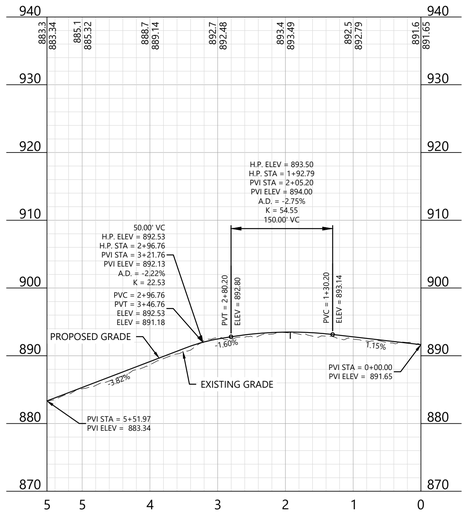
DATE: 07/15/2026

SHEET: C-150-03

REV: 0

P:\Projects\KY\Taylor County\Flat Run - 27615\CAD\C-Civil\Plan Sheets\C-150-03 Road C Sta 17+00 to 26+46.dwg, 7/15/2026 4:47:31 PM, Kenneth Nichols

Road D - Sta. 0+00 to 5+52



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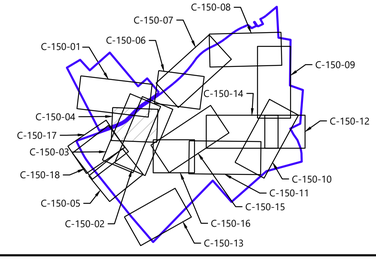

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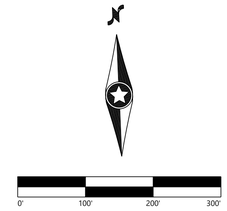

Flat Run Solar, LLC

Taylor County, KY

Plan & Profile Road D
Sta. 0+00.00 to
5+51.97

ISSUED FOR CONSTRUCTION

DATE: 07/15/2026

SHEET: C-150-04

REV: 0

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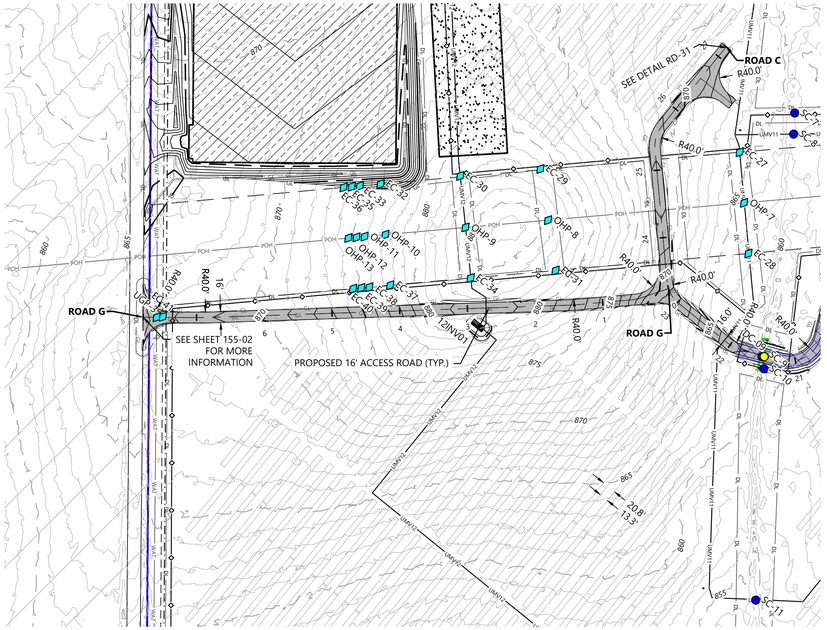
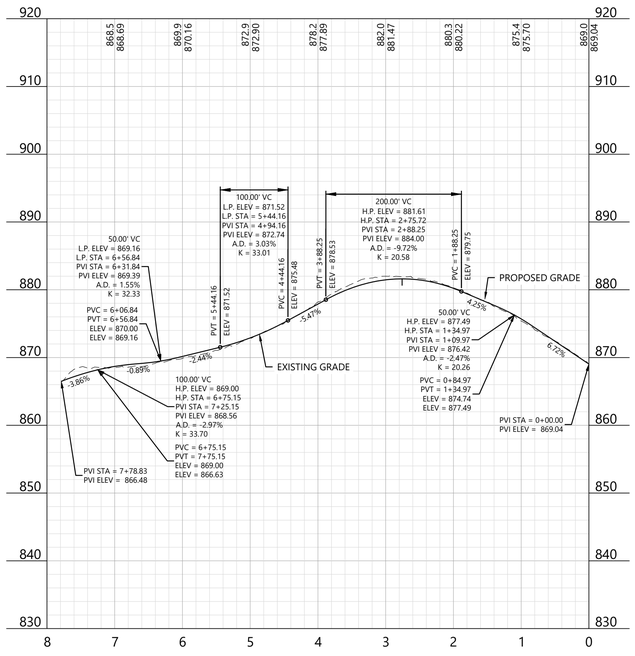


Road G - Sta. 0+00 to 8+00



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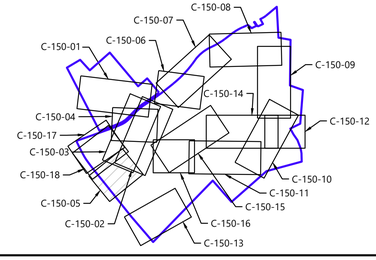

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0' 100' 200' 300'

Flat Run Solar, LLC

Taylor County, KY

Plan & Profile Road G
Sta. 0+00.00 to
7+78.83

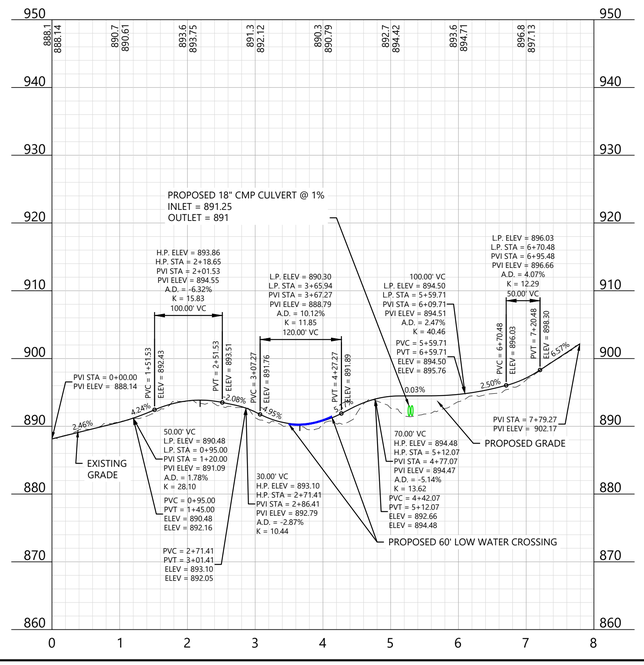
ISSUED FOR CONSTRUCTION

DATE: 07/15/2026

SHEET: C-150-05 REV: 0

I:\2024\01\WW-CIVIL\Construction\Flat Run - Taylor\CAD\Sheets\C-150-05 Road G Plan & Profile.dwg, 7/14/2026 4:41:19 PM, Daniel Nichols

Road H - Sta. 0+00 to 8+00



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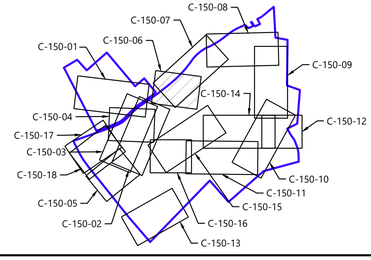

Westwood

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STATE OF KENTUCKY
DAVID KELCHER
35445
07/15/26
LICENSED PROFESSIONAL ENGINEER

PREPARED FOR:

Discovery A GES COMPANY

3401 Ridgewood Dr.
Edmond, OK 73013

REVISIONS:

#	DATE	COMMENT	BY	CHK	APR
0	07/15/2026	IFC Civil Design Plans	MPH	ELS	DFK

0' 100' 200' 300'

Flat Run Solar, LLC

Taylor County, KY

Plan & Profile Road H
Sta. 0+00.00 to
7+79.27

ISSUED FOR CONSTRUCTION

DATE: 07/15/2026

SHEET: C-150-06 REV: 0

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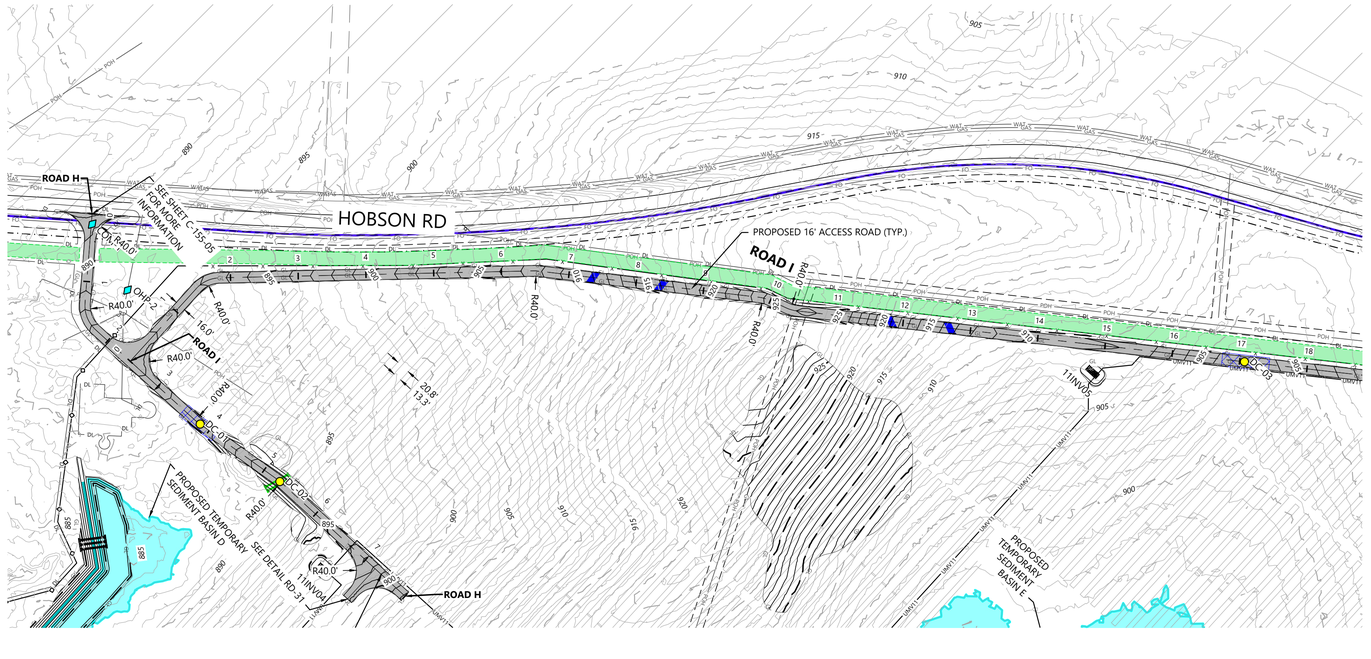
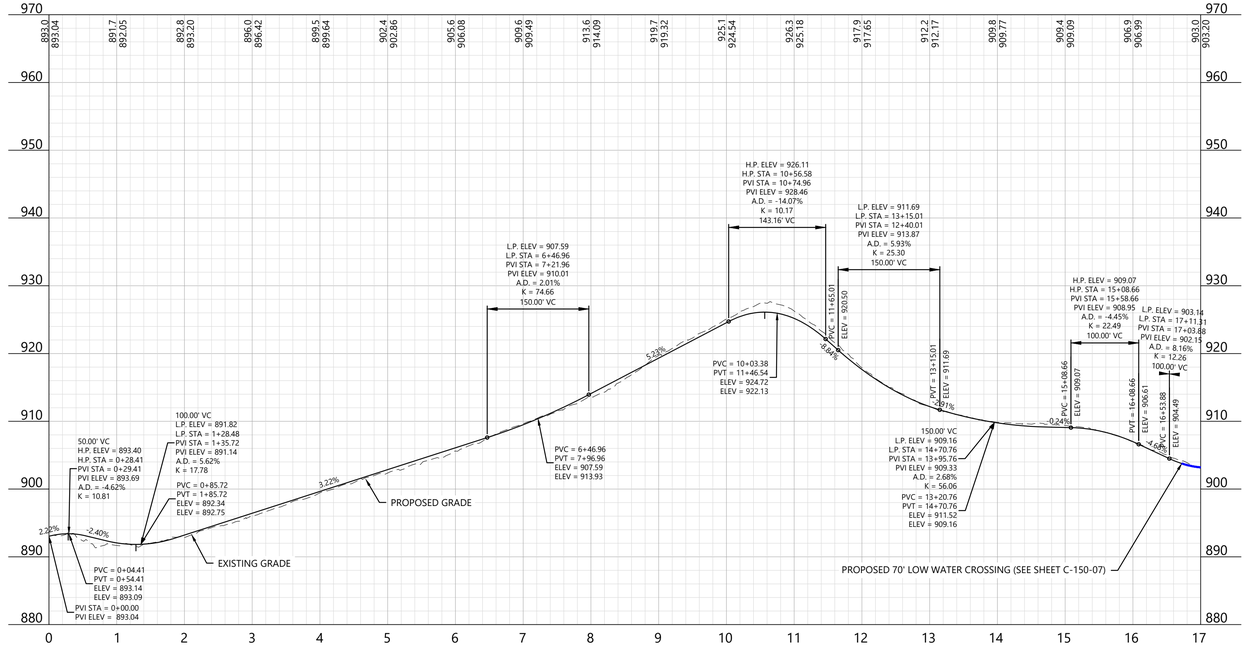


Road I - Sta. 0+00 to 17+00



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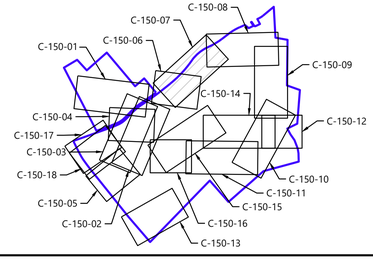

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0' 100' 200' 300'

Flat Run Solar, LLC

Taylor County, KY

Plan & Profile Road I
Sta. 0+00.00 to
17+00.00

ISSUED FOR CONSTRUCTION

DATE: 07/15/2026

SHEET: C-150-07 REV: 0

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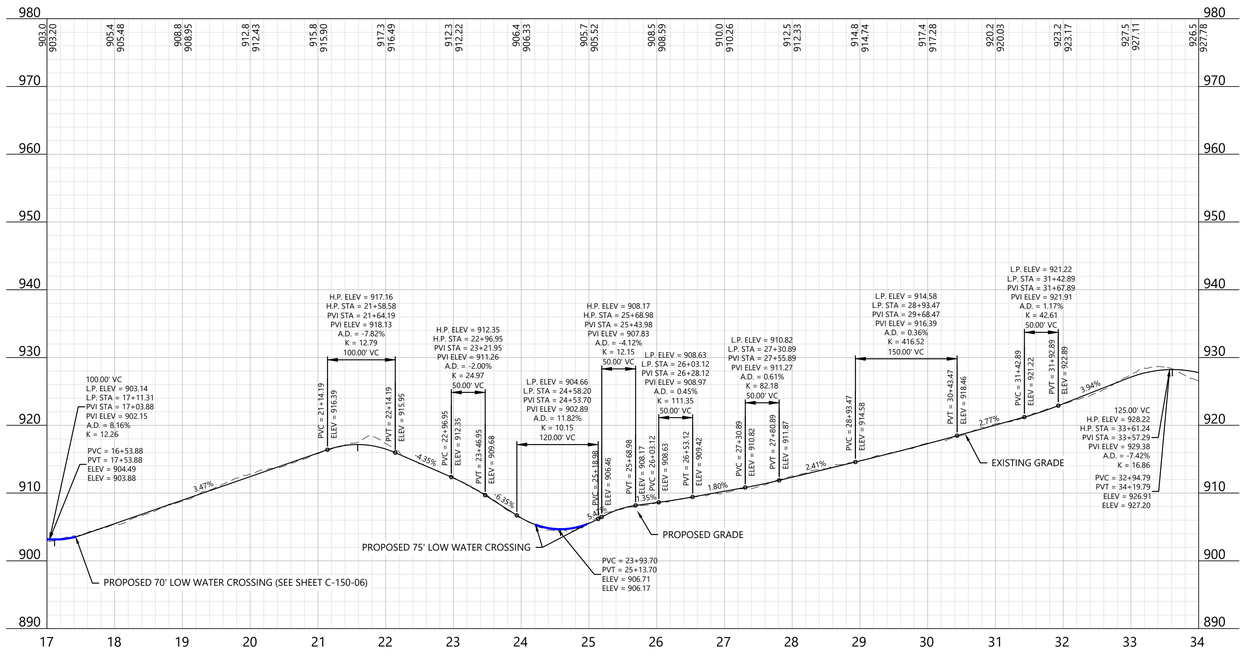
Road I - Sta. 17+00 to 34+00



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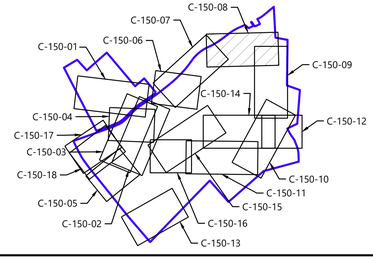

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Edmond, OK 73013

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0	07/15/2026	IFC Civil Design Plans	MPH	ELS	DFK

0' 100' 200' 300'

Flat Run Solar, LLC

Taylor County, KY

Plan & Profile Road I
Sta. 17+00.00 to
34+00.00

ISSUED FOR CONSTRUCTION

DATE: 07/15/2026

SHEET: C-150-08

REV: 0

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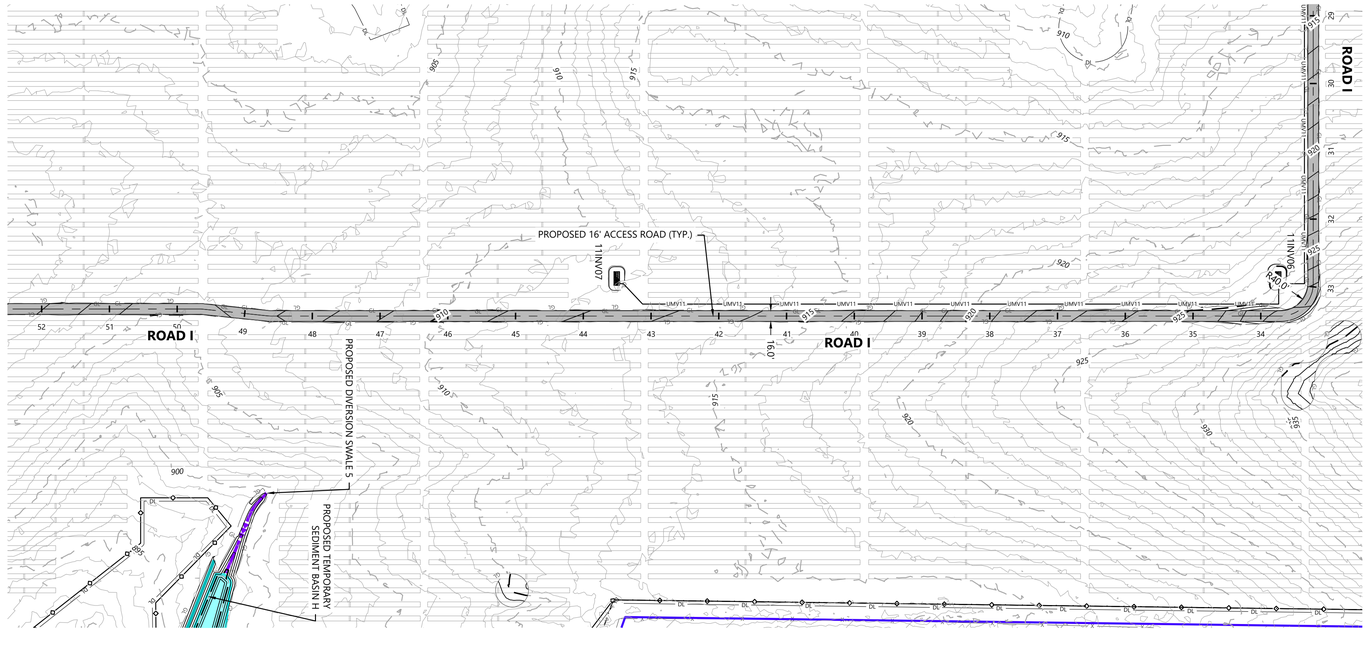
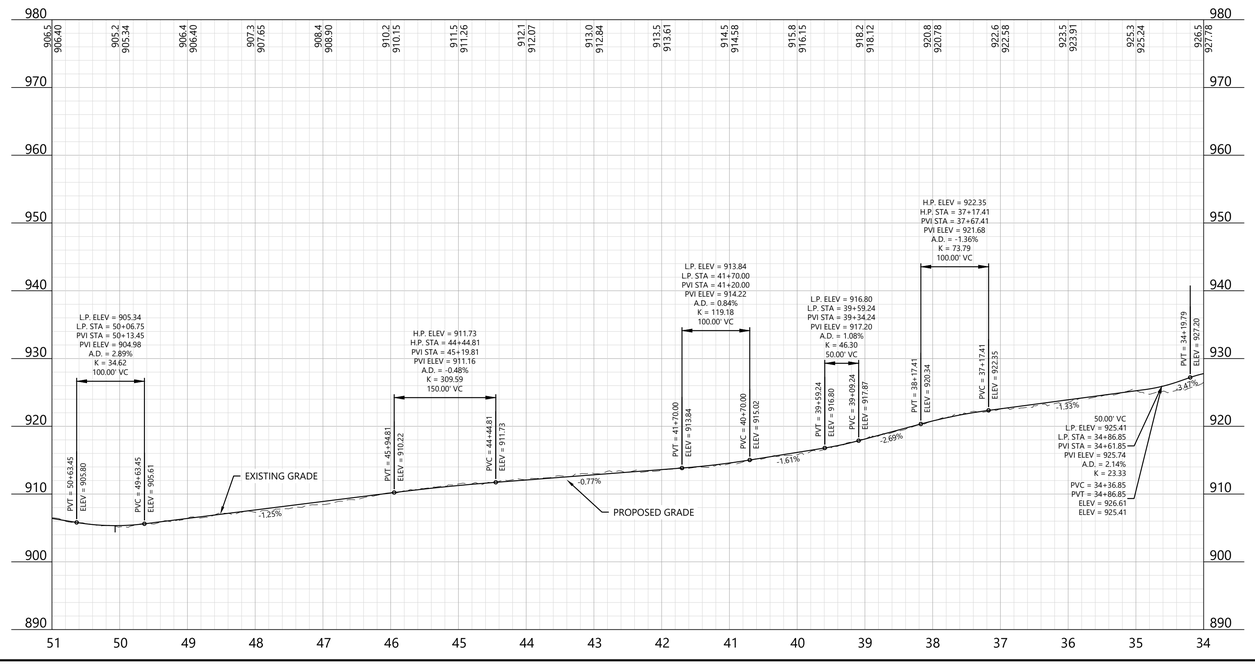


Road I - Sta. 34+00 to 51+00



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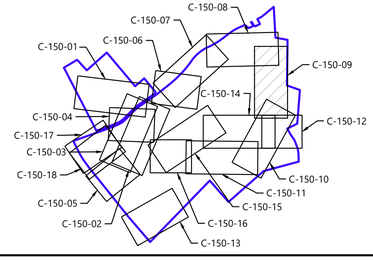

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0' 100' 200' 300'

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Taylor County, KY

Plan & Profile Road I
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DATE: 07/15/2026

SHEET: C-150-09 REV: 0

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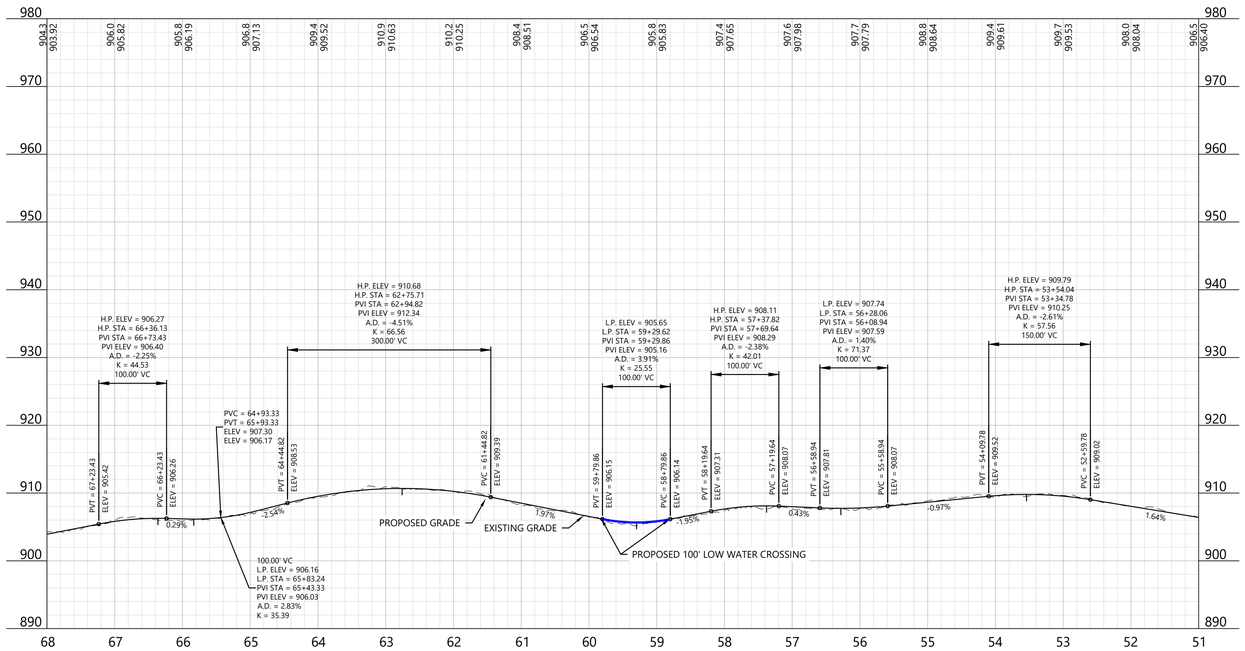
Road I - Sta. 51+00 to 68+00



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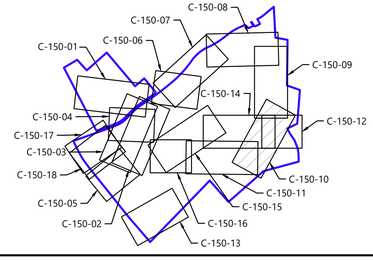

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Westwood Professional Services, Inc.

STATE OF KENTUCKY
DAVID KELCHER
35445
07/15/26
LICENSED PROFESSIONAL ENGINEER

PREPARED FOR:

Discovery A GS COMPANY

3401 Ridgewood Dr.
Edmond, OK 73013

REVISIONS:

#	DATE	COMMENT	BY	CHK	APR
0	07/15/2026	IFC Civil Design Plans	MPH	ELS	DFK

0' 100' 200' 300'

Flat Run Solar, LLC

Taylor County, KY

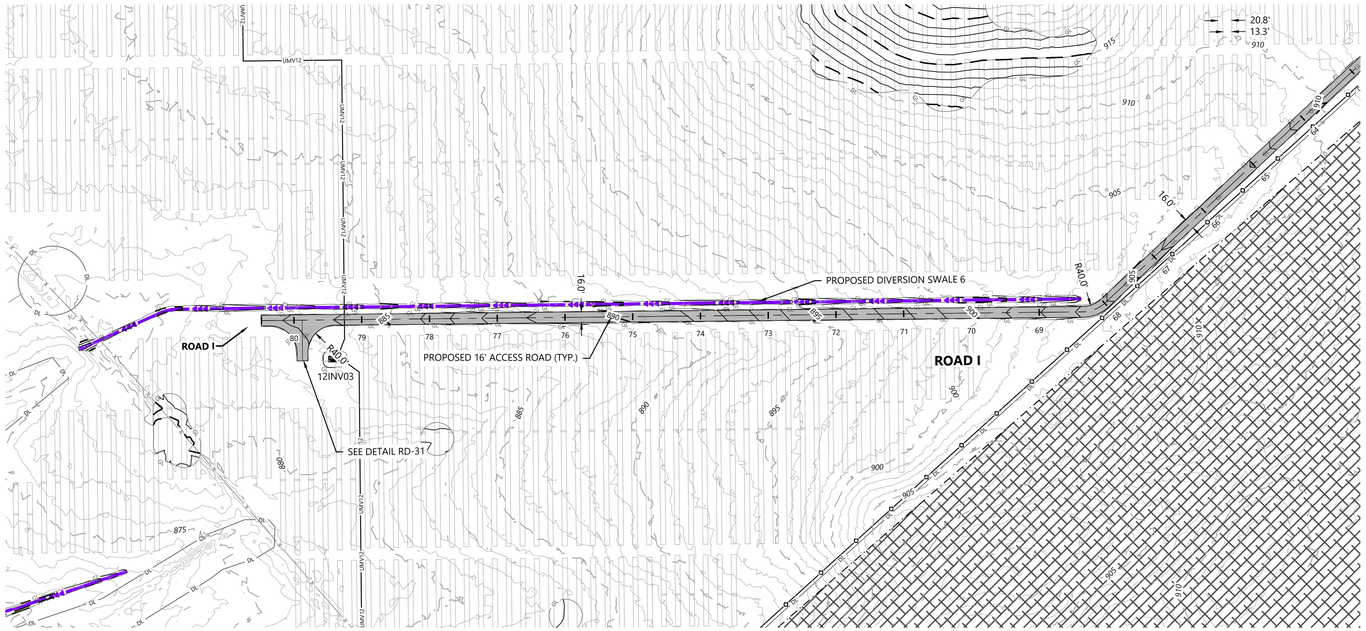
Plan & Profile Road I
Sta. 51+00.00 to
68+00.00

ISSUED FOR CONSTRUCTION

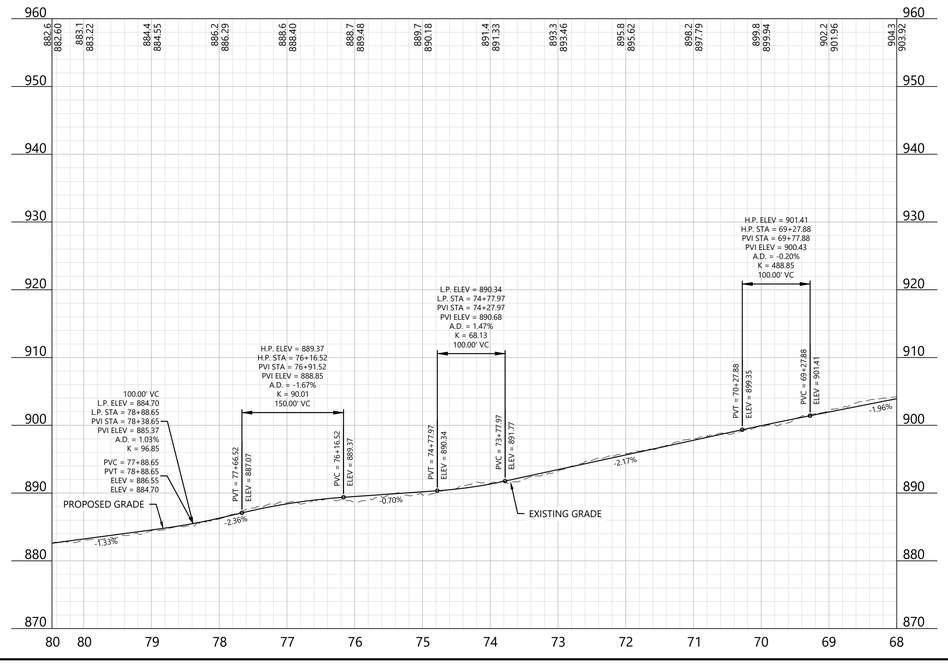
DATE: 07/15/2026

SHEET: C-150-10 REV: 0

I:\2020\01\07\-CIVIL\Construction\Plan & Prof\C-150-10 Plan & Profile Rd I.dwg, 7/15/2026 4:41:19 PM, Daniel Nichols



Road I - Sta. 68+00 to 80+47



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- PROJECT BOUNDARY
- LEASE LINES
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- EASEMENT LINES
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- EX. INTERVAL CONTOUR
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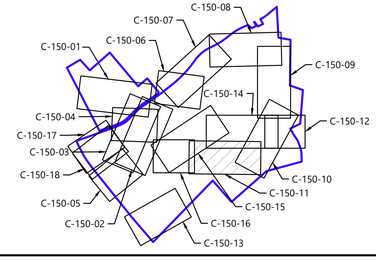

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Flat Run Solar, LLC

Taylor County, KY

Plan & Profile Road I
Sta. 68+00.00 to
80+46.94

ISSUED FOR CONSTRUCTION

DATE: 07/15/2026

SHEET: C-150-11

REV: 0

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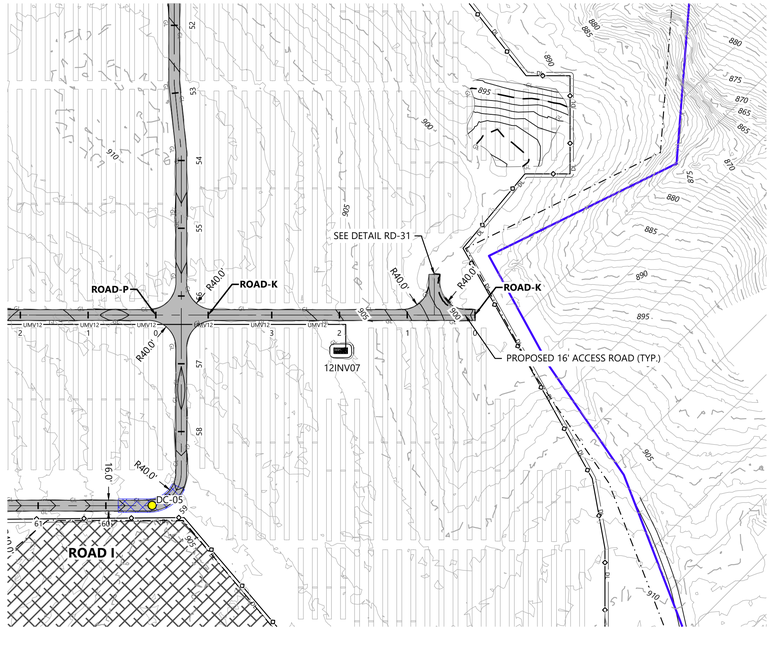
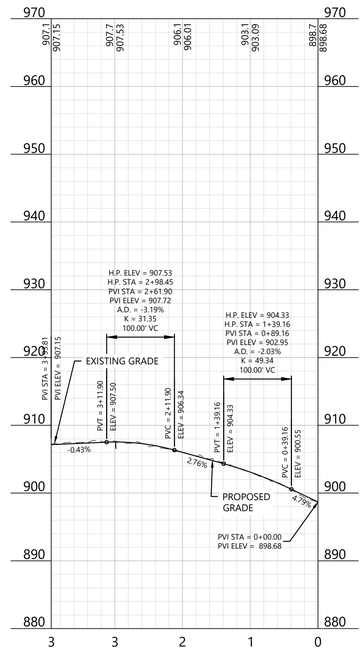


ROAD-K - Sta. 0+00 to 3+94



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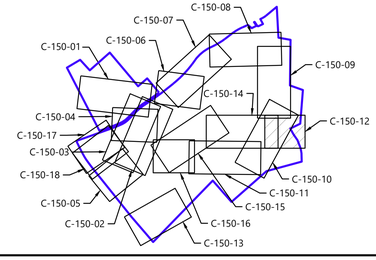

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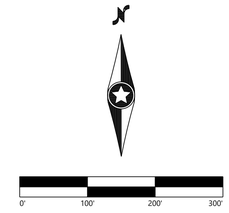


Flat Run Solar, LLC

Taylor County, KY

Plan & Profile Road K
Sta. 0+00.00 to
3+93.81

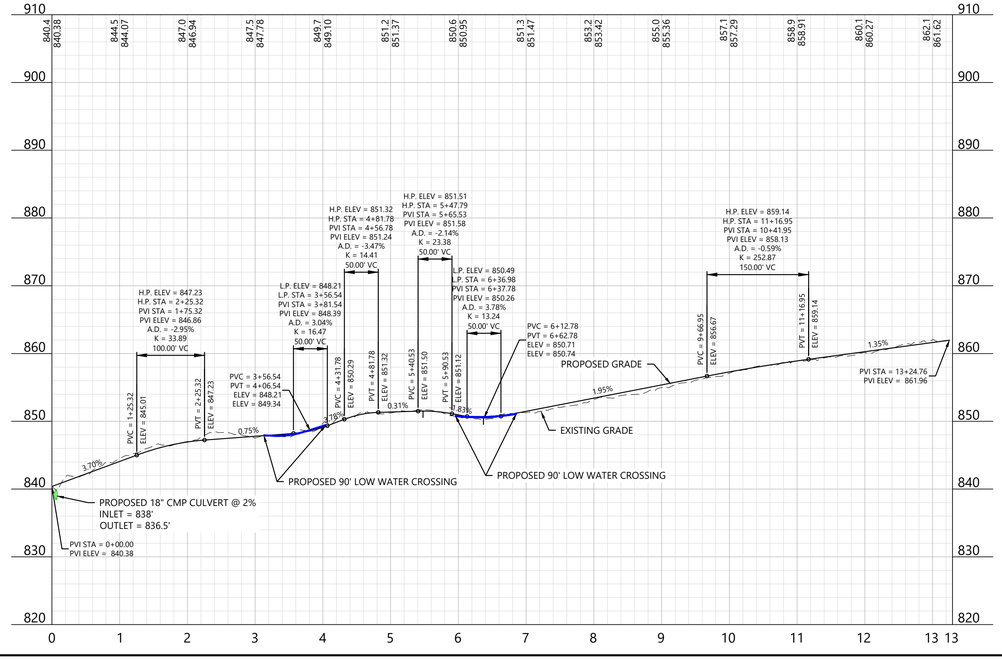
ISSUED FOR CONSTRUCTION

DATE: 07/15/2026

SHEET: C-150-12 REV: 0

P:\Projects\KY\Taylor County\Flat Run\Drawings\Civil\Sheets\C-150-12 Plan & Profile Road K.dwg, 7/14/2026 4:41:31 PM, Daniel Nichols

Road N - Sta. 0+00 to 13+29



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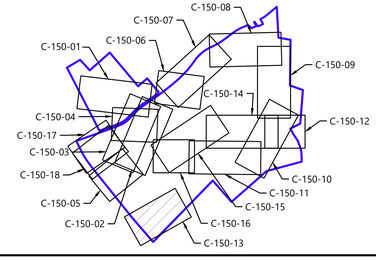

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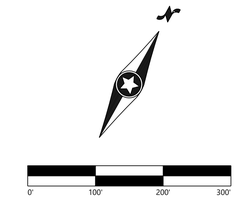

Flat Run Solar, LLC

Taylor County, KY

Plan & Profile Road N
Sta. 0+00.00 to
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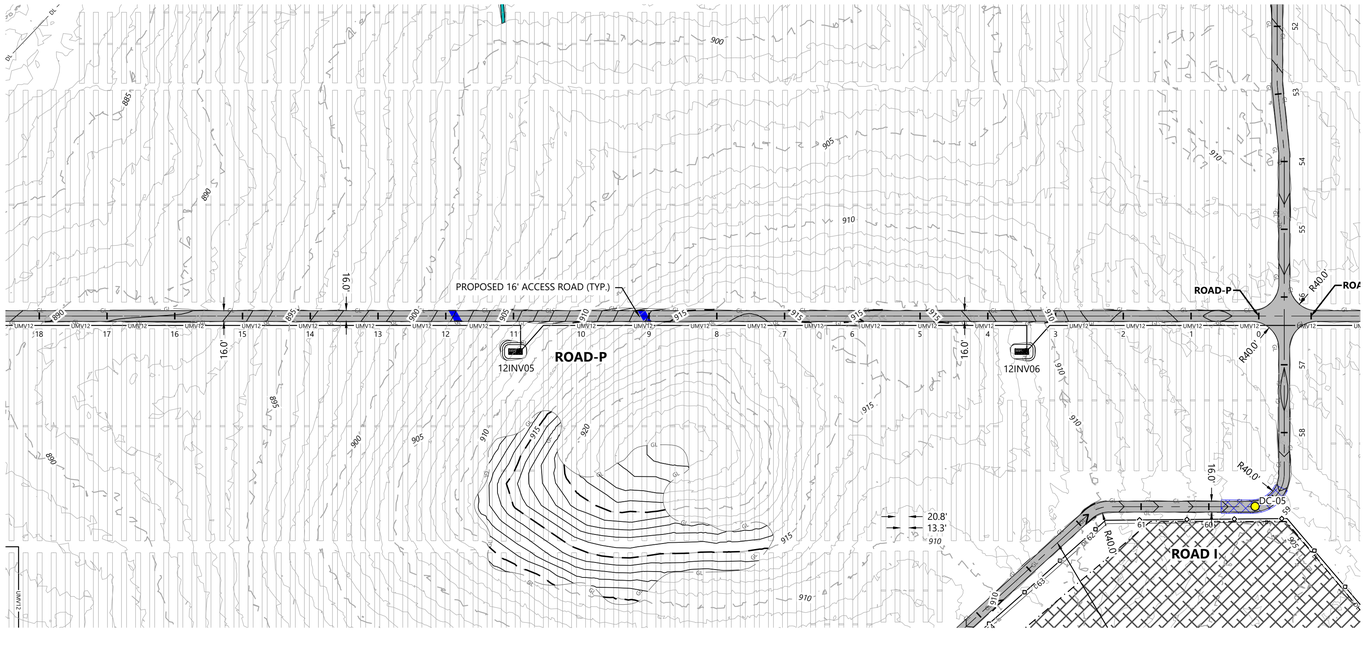
DATE: 07/15/2026

SHEET: C-150-13

REV: 0

I:\2020\01\CIVIL\Construction\Plan & Prof_7/15/2026 4:44 PM_Kenzie Nichols



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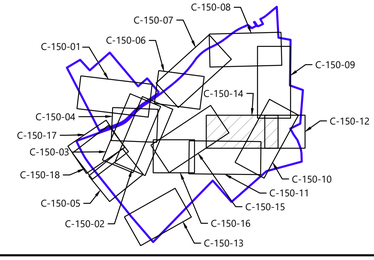
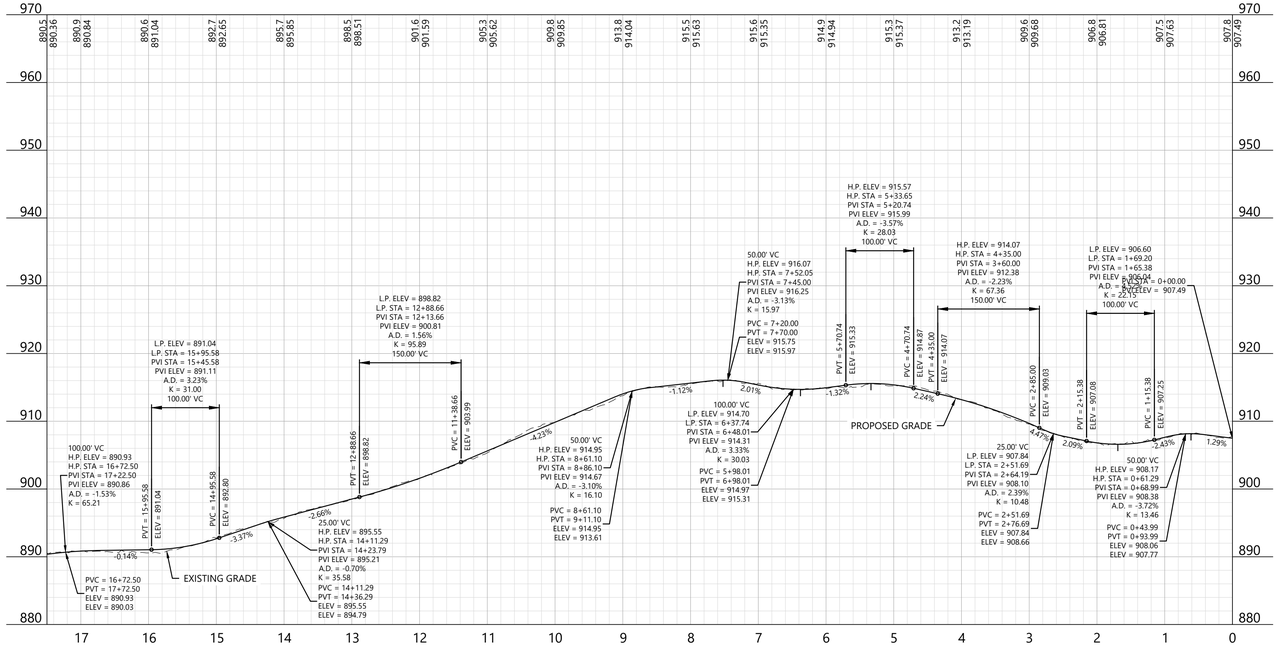


ROAD-P - Sta. 0+00 to 17+50



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07/15/26
LICENSED PROFESSIONAL ENGINEER

PREPARED FOR:

Discovery A GES COMPANY
3401 Ridgewood Dr.
Edmond, OK 73013

REVISIONS:

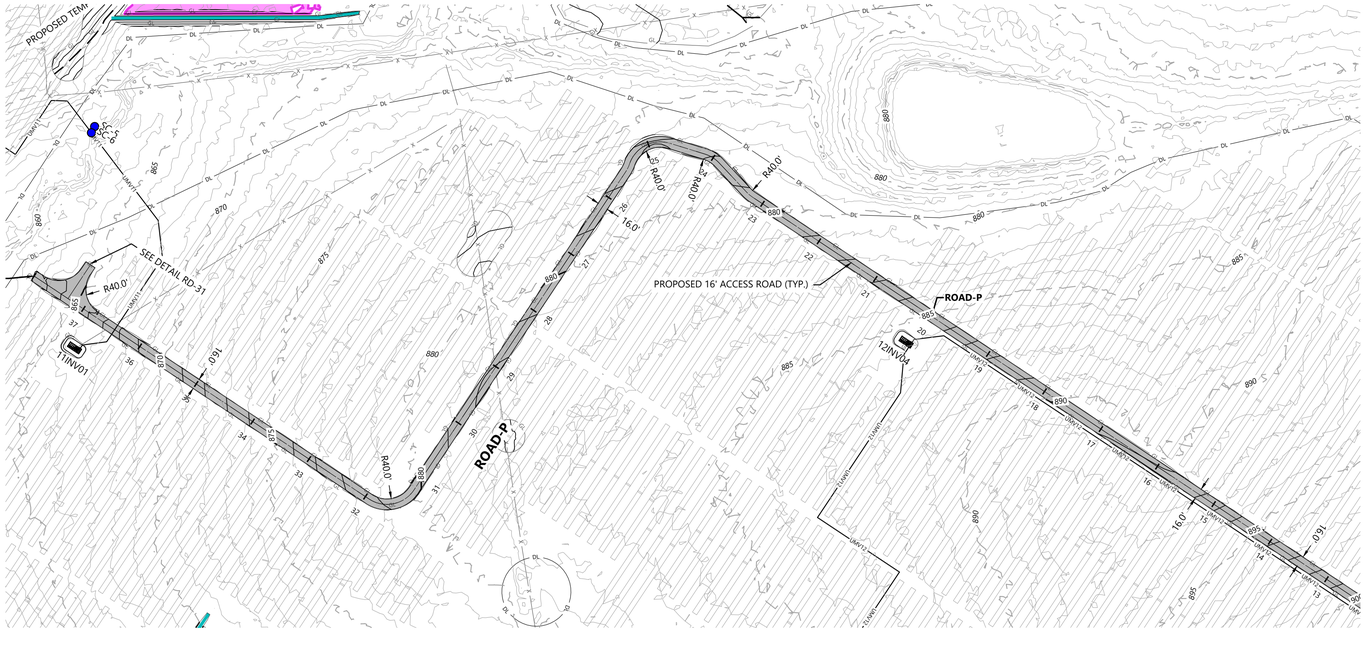
#	DATE	COMMENT	BY	CHK	APR
0	07/15/2026	IFC Civil Design Plans	MPH	ELS	DFK

0' 100' 200' 300'

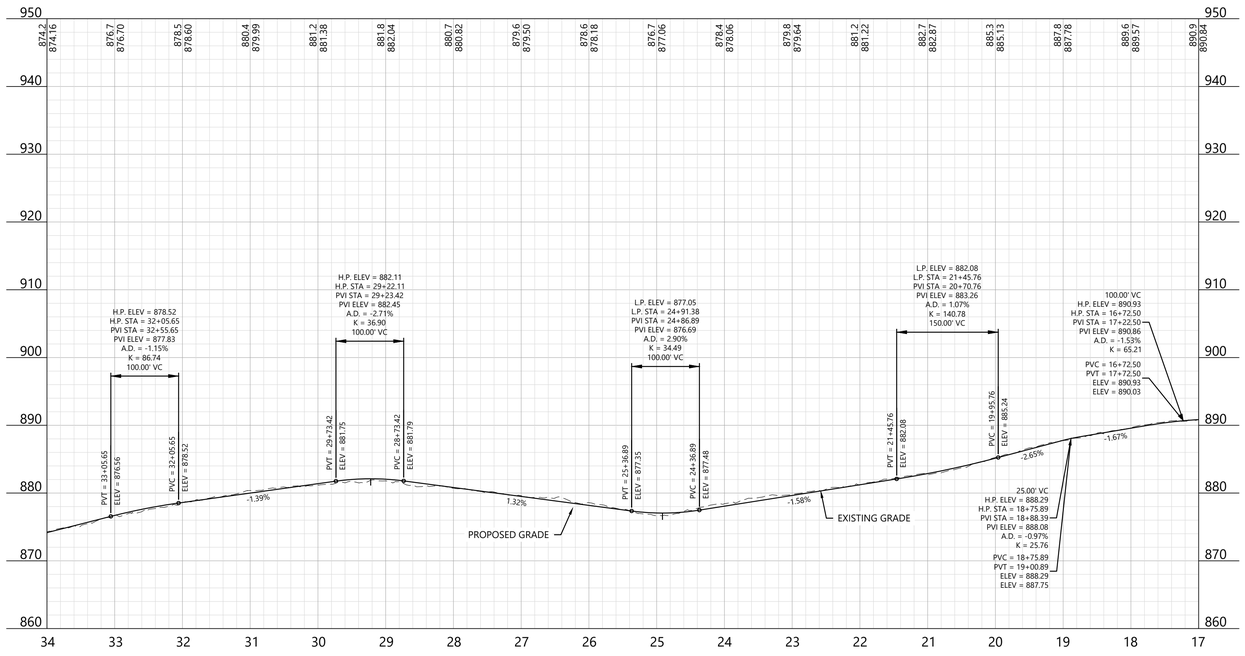
Flat Run Solar, LLC
Taylor County, KY

Plan & Profile Road P
Sta. 0+00.00 to 17+00.00

ISSUED FOR CONSTRUCTION
DATE: 07/15/2026
SHEET: C-150-14
REV: 0



ROAD-P - Sta. 17+00 to 34+00



GRADING AND DRAINAGE NOTES:

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2. SITE PREPARATION INCLUDES CLEARING/GRUBBING, GRADING, COMPACTION, MOWING OF VEGETATION, AND RESTABILIZATION OF DISTURBED AREA.
3. MINOR SURFACE SMOOTHING MAY OCCUR IN AREAS WHERE GRADING IS NOT PROPOSED FOR SAFETY OR SOLAR ARRAY INSTALLATION.
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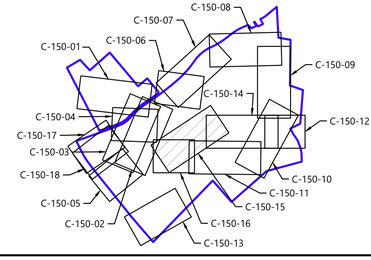
7. ROAD TO BE CROWNED WHERE NOT CALLED OUT AS CROSS SLOPED.

KEY MAP:



Westwood
Phone (952) 937-5150 12701 Whitewater Drive, Suite #300
Toll Free (888) 937-5150 Minnetonka MN, 55343
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STATE OF KENTUCKY
DAVID KELCHER
35445
07/15/26
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SHEET: C-150-15 REV: 0

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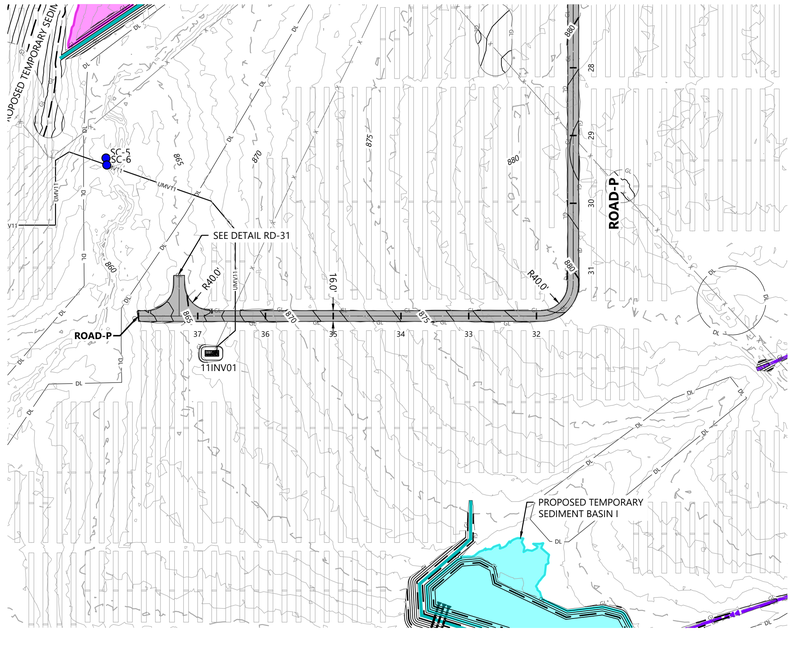
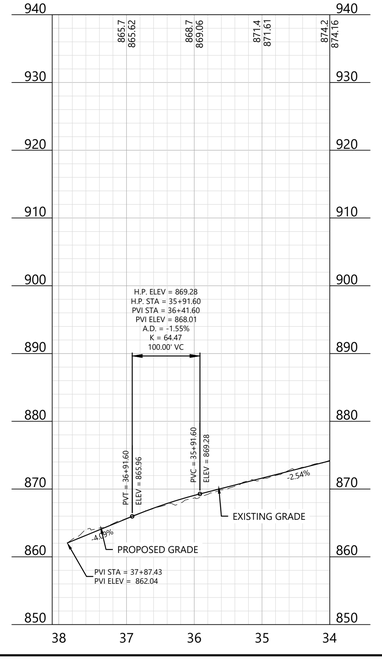


ROAD-P - Sta. 34+00 to 38+10



LEGEND:

- PROJECT BOUNDARY
- LEASE LINES
- ADJACENT PARCEL LINES
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- EX. INDEX CONTOUR
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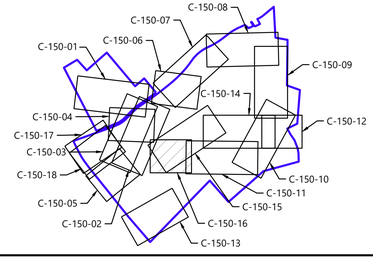

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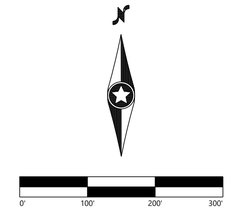

Flat Run Solar, LLC

Taylor County, KY

Plan & Profile Road P
Sta. 34+00.00 to
38+09.65

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DATE: 07/15/2026

SHEET: C-150-16

REV: 0

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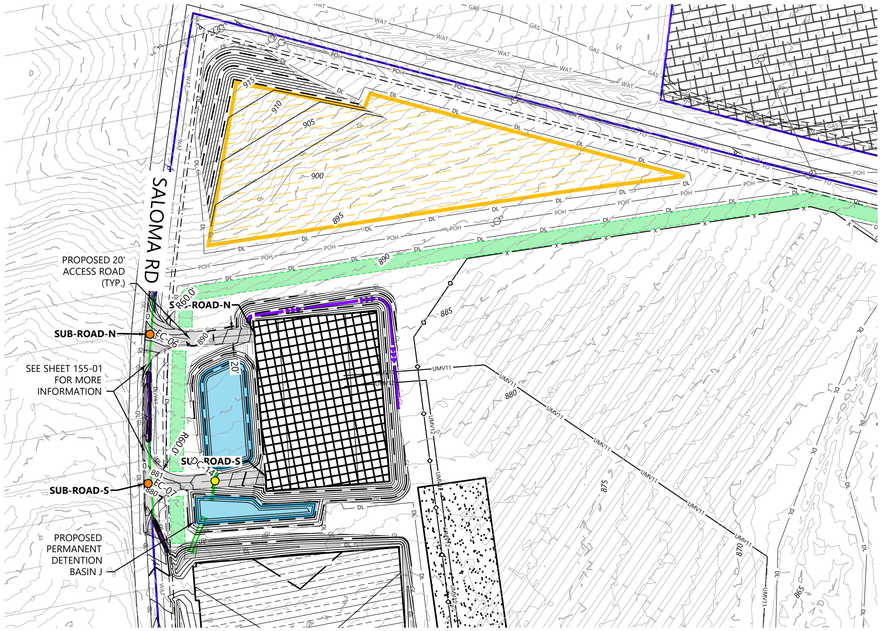
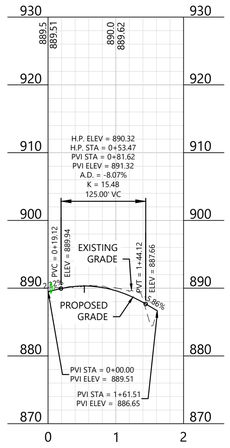


SUB-ROAD-N - Sta. 0+00 to 2+00



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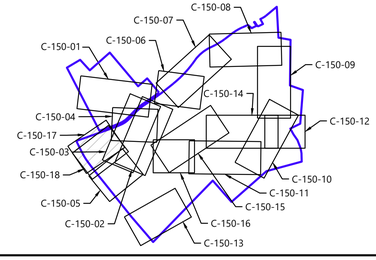

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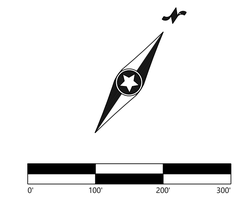

Flat Run Solar, LLC

Taylor County, KY

Plan & Profile
Sub-Road-N Sta.
0+00.00 to 1+57.66

ISSUED FOR CONSTRUCTION

DATE: 07/15/2026

SHEET: C-150-17 REV: 0

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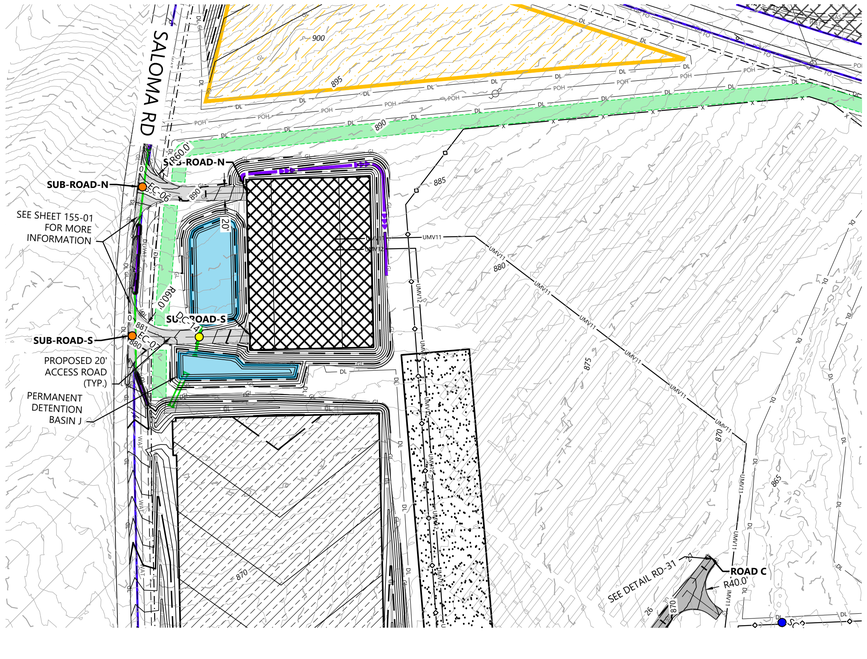
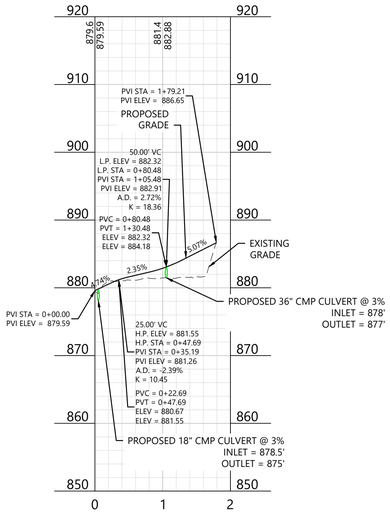


SUB-ROAD-S - Sta. 0+00 to 2+00



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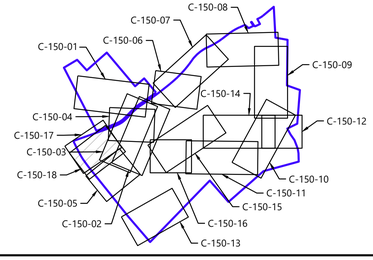

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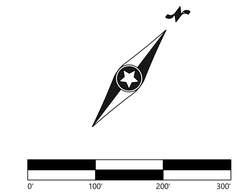

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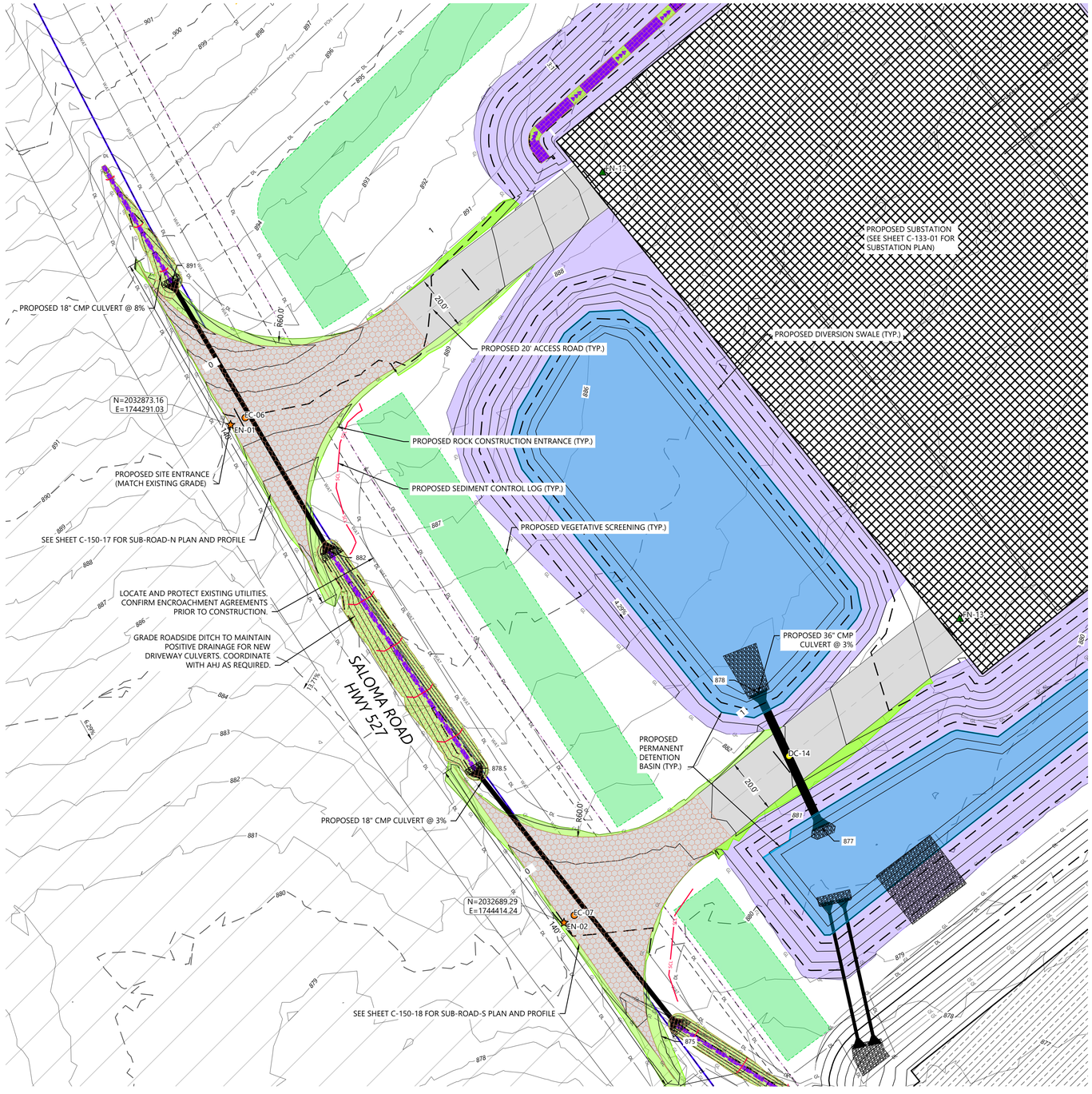

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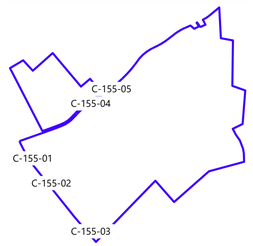

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STATE OF KENTUCKY
DAVID KELCHER
35445
07/15/26
LICENSED PROFESSIONAL ENGINEER

PREPARED FOR:

Discovery A GS COMPANY

3401 Ridgewood Dr.
Edmond, OK 73013

REVISIONS:

#	DATE	COMMENT	BY	CHK	APR
0	07/15/2026	IFC Civil Design Plans	MPH	ELS	DFK

0' 20' 40' 60'

Flat Run Solar, LLC

Taylor County, KY

Construction Entrance Exhibits - 1

ISSUED FOR CONSTRUCTION

DATE: 07/15/2026

SHEET: C-155-01 REV: 0

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LEGEND:

- PROJECT BOUNDARY
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- ADJACENT PARCEL LINES
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- EASEMENT LINES
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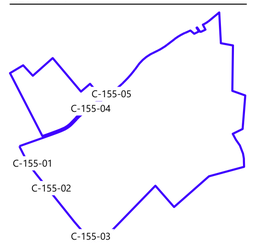

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0' 20' 40' 60'

Flat Run Solar, LLC

Taylor County, KY

Construction Entrance Exhibits - 2

ISSUED FOR CONSTRUCTION

DATE: 07/15/2026

SHEET: C-155-02

REV: 0

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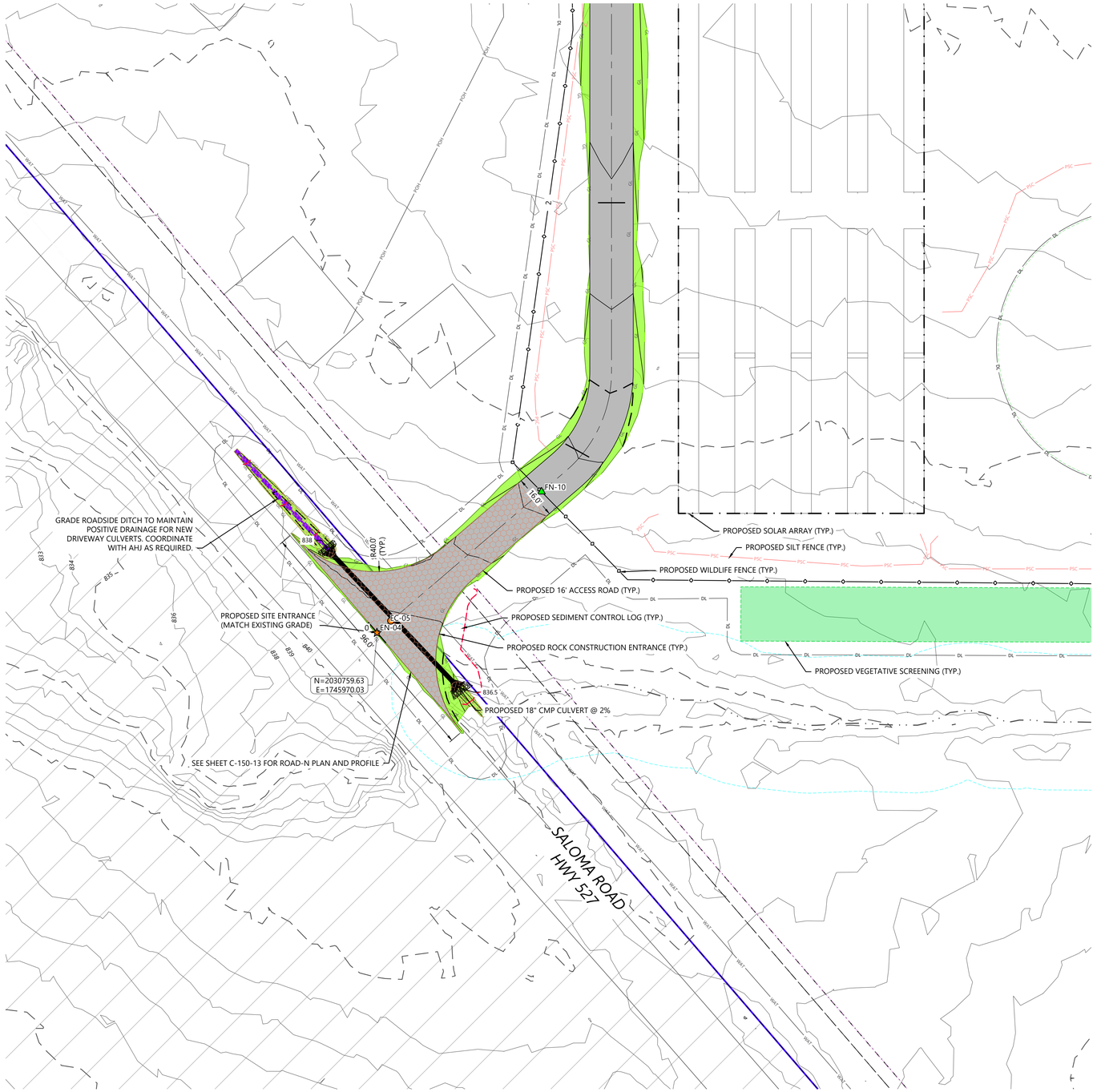

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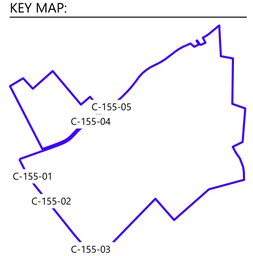

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Flat Run Solar, LLC

Taylor County, KY

Construction Entrance Exhibits - 3

ISSUED FOR CONSTRUCTION

DATE: 07/15/2026

SHEET: C-155-03

REV: 0

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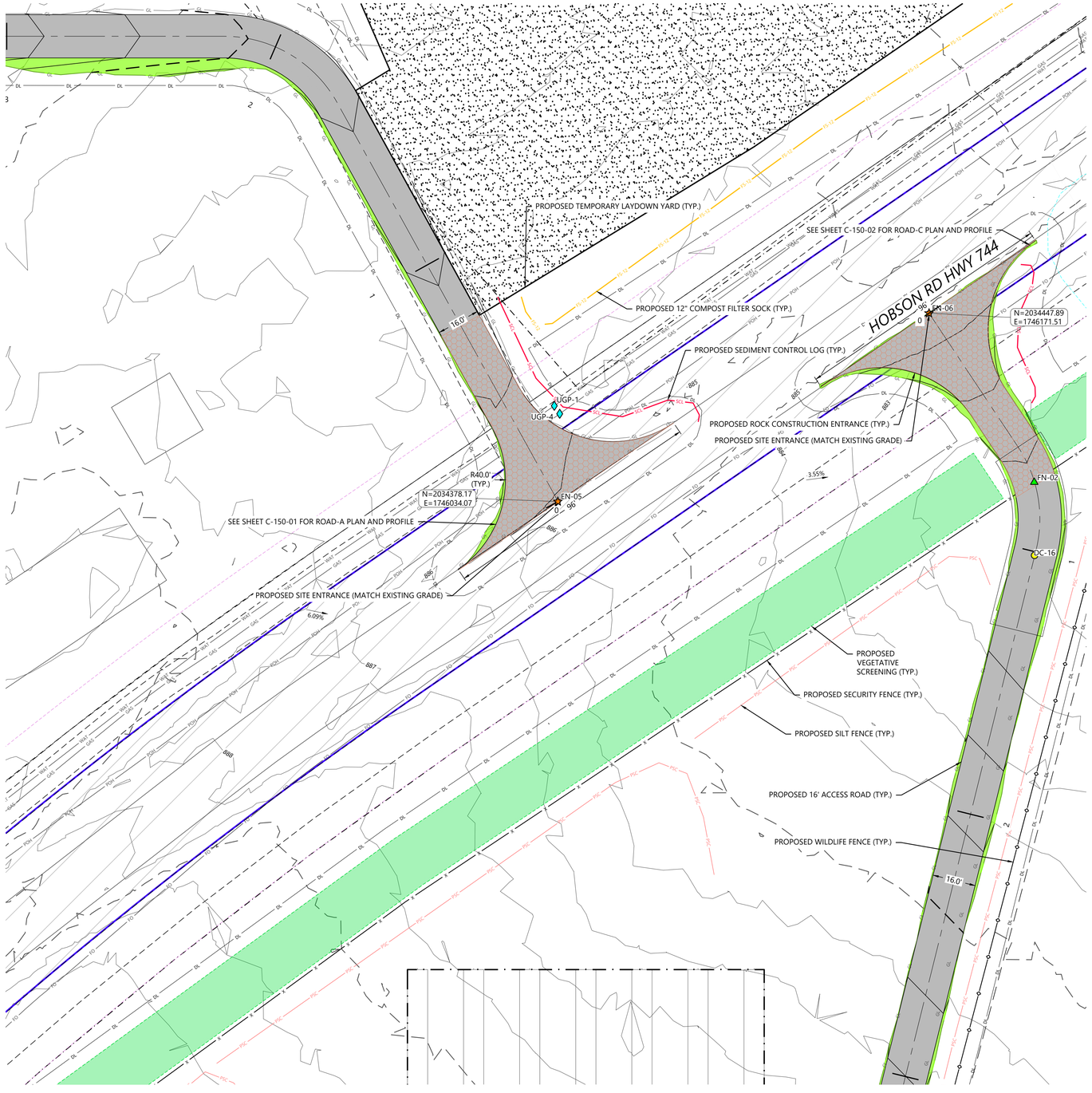

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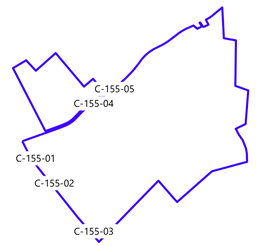

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0' 20' 40' 60'

Flat Run Solar, LLC

Taylor County, KY

Construction Entrance Exhibits - 4

ISSUED FOR CONSTRUCTION

DATE: 07/15/2026

SHEET: C-155-04 REV: 0

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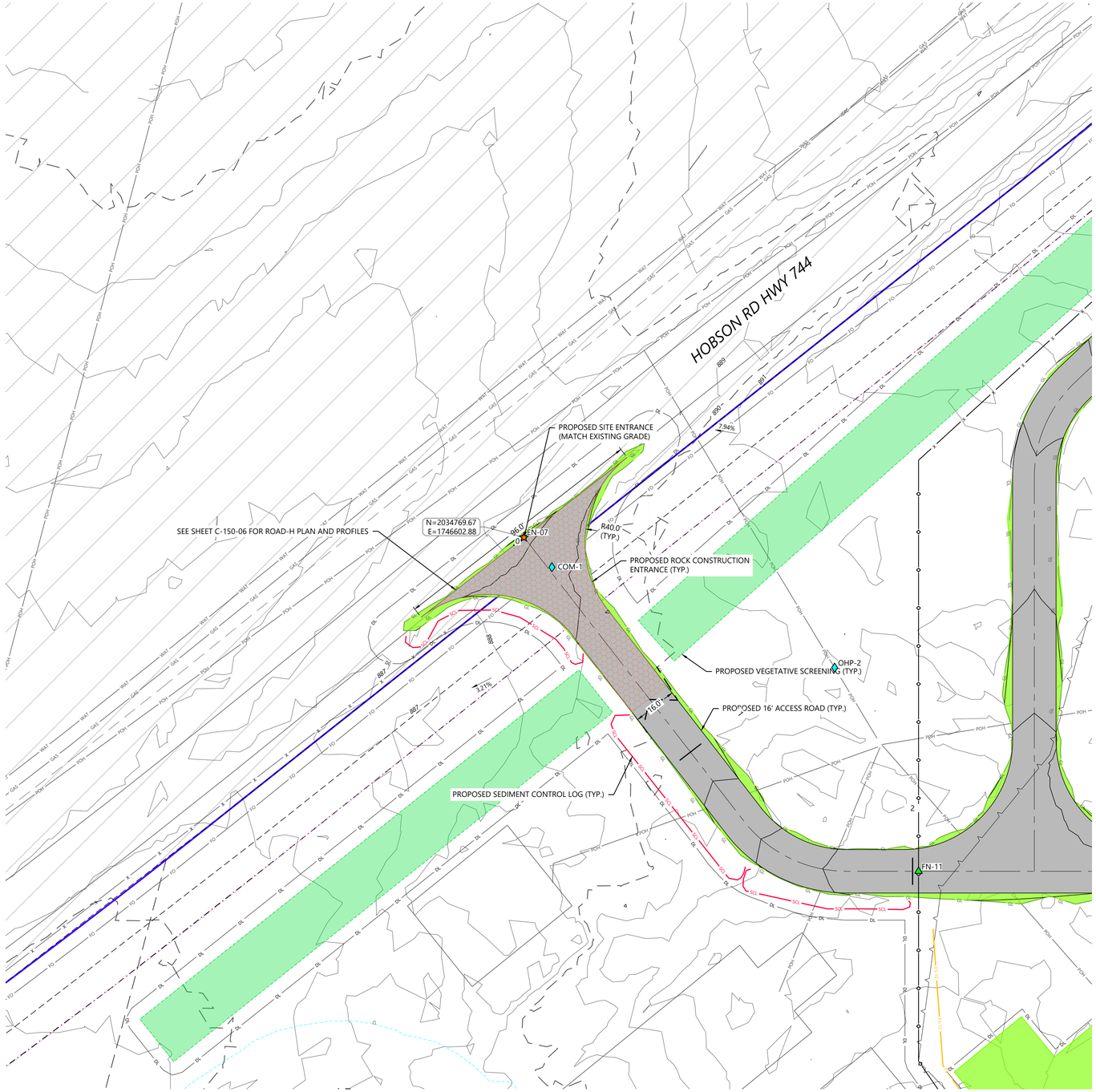

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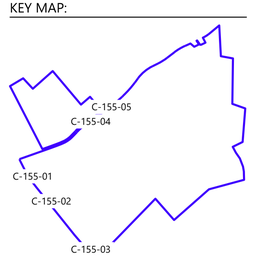

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Flat Run Solar, LLC

Taylor County, KY

Construction Entrance Exhibits - 5

ISSUED FOR CONSTRUCTION

DATE: 07/15/2026

SHEET: C-155-05 REV: 0

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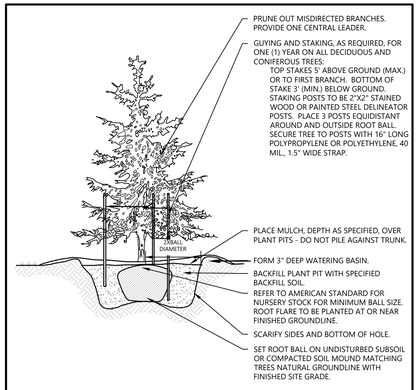
PLANTING DETAILS



Westwood	EVERGREEN TREE PLANTING	LA01
	NOT TO SCALE	

LANDSCAPE SCREENING PLANT MATERIAL

American Holly

Eastern Red Cedar

Techny Arborvitae

LANDSCAPE SCREENING INTENT & SELECTION

THE PROPOSED PLANS INCLUDE STRATEGICALLY PLACED VEGETATIVE LANDSCAPE BUFFERS DESIGNED TO REDUCE DIRECT VIEWS OF THE SOLAR ARRAY. WHERE COMMERCIALLY PRACTICABLE, THESE BUFFERS WILL UTILIZE REGIONALLY APPROPRIATE TREES AND SHRUBS THAT ARE WELL-ADAPTED TO THE LOCAL CLIMATE WHICH ALLOWS FOR BETTER ESTABLISHMENT AND HIGHER SURVIVAL RATES. THE BUFFER DESIGN INCORPORATES A MIX OF EVERGREEN TREES FOR YEAR-ROUND VISUAL SCREENING AND DECIDUOUS SHRUBS SELECTED FOR SEASONAL INTEREST--SUCH AS FOLIAGE COLOR, FLOWERING, AND FRUITING CHARACTERISTICS. SHRUBS WILL BE PLANTED IN SMALL GROUPINGS TO ENSURE THAT VARIOUS AESTHETIC FEATURES ARE VISIBLE THROUGHOUT THE YEAR. IN ADDITION TO VISUAL SCREENING, THE PLANTINGS OFFER ECOLOGICAL BENEFITS BY SUPPORTING POLLINATORS AND PROVIDING FORAGE, SHELTER, AND OVERWINTERING HABITAT FOR LOCAL WILDLIFE. AS THE PLANTINGS MATURE, THEY WILL FORM A DENSE, NATURAL HEDGE THAT ENHANCES BOTH FUNCTIONAL AND ENVIRONMENTAL PERFORMANCE.

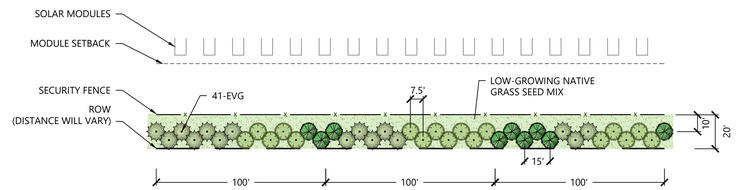
PROPOSED LANDSCAPE SCREENING PLANT SPECIES LIST

SYMBOL	COMMON / BOTANICAL NAME	SIZE	MATURE SIZE
EVERGREEN TREES			
	AMERICAN HOLLY / ILEX OPACA	4' HT.	H 25-40' W 15-25'
	EASTERN REDCEDAR / JUNIPERUS VIRGINIANA	4' HT.	H 25-40' W 15-25'
	TECHNY ARBORVITAE / THUJA OCCIDENTALIS 'TECHNY'	4' HT.	H 10-15' W 6-10'

NOTES:
1. QUANTITIES ON PLAN SUPERSEDE LIST QUANTITIES IN THE EVENT OF A DISCREPANCY.
2. B.B. SPECIFIES ROOT TYPE AS BALLED AND BURLAPPED.
3. H.T. SPECIFIES MINIMUM SPECIMEN HEIGHT UPON INSTALLATION.
4. #5 CONT. TO MEET MINIMUM SIZE REQUIREMENT OF 24"H OR 30"W FOR DECIDUOUS SHRUBS UPON INSTALLATION. IF PLANT SIZE UNAVAILABLE AT #5 CONT. UPSIZE CONTAINER UNTIL MINIMUM PLANT SIZE REQUIREMENT IS MET.
5. PLANT SPECIES SUBJECT TO CHANGE BASED UPON AVAILABILITY AT TIME OF PLANTING.

PROPOSED LANDSCAPE SCREENING DETAIL

SCALE 1" = 40'



PLANTING NOTES

1. CONTRACTOR SHALL CONTACT KENTUCKY DIG SAFE SYSTEM (811) TO VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF ANY PLANTS OR LANDSCAPE MATERIAL.
2. ACTUAL LOCATION OF PLANT MATERIAL IS SUBJECT TO FIELD AND SITE CONDITIONS AS WELL AS DO NOT INTERFERE WITH INSTALLED FACILITY COMPONENTS (DRAINTILE, UNDERGROUND WIRING, FENCING).
3. NO PLANTING WILL BE INSTALLED UNTIL ALL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA.
4. ALL SUBSTITUTIONS MUST BE APPROVED BY THE OWNER PRIOR TO SUBMISSION OF ANY BID AND/OR QUOTE BY THE LANDSCAPE CONTRACTOR.
5. CONTRACTOR SHALL PROVIDE ONE YEAR GUARANTEE OF ALL PLANT MATERIALS. THE GUARANTEE BEGINS ON THE DATE OF THE OWNER'S WRITTEN ACCEPTANCE OF THE INITIAL PLANTING. REPLACEMENT PLANT MATERIAL SHALL HAVE A ONE YEAR GUARANTEE COMMENCING UPON PLANTING.
6. ALL PLANTS TO BE SPECIMEN GRADE, KENTUCKY-GROWN AND/OR HARDY. SPECIMEN GRADE SHALL ADHERE TO, BUT IS NOT LIMITED BY, THE FOLLOWING STANDARDS:
   ALL PLANTS SHALL BE FREE FROM DISEASE, PESTS, WOUNDS, SCARS, ETC.
   ALL PLANTS SHALL BE FREE FROM NOTICEABLE GAPS, HOLES, OR DEFORMITIES.
   ALL PLANTS SHALL BE FREE FROM BROKEN OR DEAD BRANCHES.
   ALL PLANTS SHALL HAVE HEAVY, HEALTHY BRANCHING AND LEAFING.
   CONIFEROUS TREES SHALL HAVE AN ESTABLISHED MAIN LEADER AND A HEIGHT TO WIDTH RATIO OF NO LESS THAN 5:3.
7. PLANTS TO MEET AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1-2004 OR MOST CURRENT VERSION) REQUIREMENTS FOR SIZE AND TYPE SPECIFIED.
8. PLANTS TO BE INSTALLED AS PER KYLNA & ANSI STANDARD PLANTING PRACTICES.
9. PLANTS SHALL BE IMMEDIATELY PLANTED UPON ARRIVAL AT SITE. PROPERLY HEEL-IN MATERIALS IF NECESSARY; TEMPORARY ONLY.
10. PRIOR TO PLANTING, FIELD VERIFY THAT THE ROOT COLLAR/ROOT FLAIR IS LOCATED AT THE TOP OF THE BALLED & BURLAP TREE. IF THIS IS NOT THE CASE, SOIL SHALL BE REMOVED DOWN TO THE ROOT COLLAR/ROOT FLAIR. WHEN THE BALLED & BURLAP TREE IS PLANTED, THE ROOT COLLAR/ROOT FLAIR SHALL BE EVEN OR SLIGHTLY ABOVE FINISHED GRADE.
11. REMOVE POT ON POTTED PLANTS; SPLIT AND BREAK APART PEAT POTS.
12. PRUNE PLANTS AS NECESSARY - PER STANDARD NURSERY PRACTICE AND TO CORRECT POOR BRANCHING OF EXISTING AND PROPOSED TREES.
13. THE NEED FOR SOIL AMENDMENTS SHALL BE DETERMINED UPON SITE SOIL CONDITIONS PRIOR TO PLANTING. LANDSCAPE CONTRACTOR SHALL NOTIFY OWNER FOR THE NEED OF ANY SOIL AMENDMENTS.
14. BACKFILL SOIL AND TOPSOIL TO BE EXISTING TOP SOIL FROM SITE FREE OF ROOTS, ROCKS LARGER THAN ONE INCH, SUBSOIL DEBRIS, AND LARGE WEEDS UNLESS SPECIFIED OTHERWISE. MINIMUM 12" DEPTH TOPSOIL FOR TREE, SHRUBS, AND PERENNIALS.
15. PROVIDE MULCH FOR ALL TREE AND SHRUB PLANTINGS PER DETAIL. MULCH TO BE SHREDDED HARDWOOD AND FREE OF DELETERIOUS MATERIAL. MULCH 3' DIAMETER RING AROUND ALL TREES AND SHRUBS TO A DEPTH OF 4". KEEP MULCH OFF TRUNK.
16. CONTRACTOR SHALL PROVIDE NECESSARY WATERING OF PLANT MATERIALS UNTIL THE PLANT IS FULLY ESTABLISHED OR IRRIGATION SYSTEM IS OPERATIONAL. OWNER WILL NOT PROVIDE WATER FOR CONTRACTOR.
17. REPAIR, REPLACE, OR PROVIDE SOD/SEED AS REQUIRED FOR ANY ROADWAY BOULEVARD AREAS ADJACENT TO THE SITE DISTURBED DURING CONSTRUCTION.
18. REPAIR ALL DAMAGE TO SOILS AND VEGETATION FROM PLANTING OPERATIONS AT NO COST TO OWNER.

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STATE OF KENTUCKY
DAVID KELCHER
35445
07/15/26
LICENSED PROFESSIONAL ENGINEER

PREPARED FOR:

Discovery A GS COMPANY
3401 Ridgewood Dr.
Edmond, OK 73013

REVISIONS:

#	DATE	COMMENT	BY	CHK	APR
0	07/15/2026	IFC Civil Design Plans	MPH	ELS	DFK

Flat Run Solar, LLC
Taylor County, KY

Landscape Screening Notes & Details

ISSUED FOR CONSTRUCTION
DATE: 07/15/2026
SHEET: C-171-01
REV: 0

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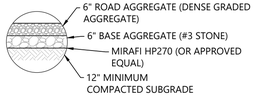
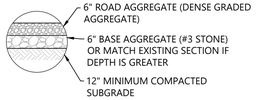
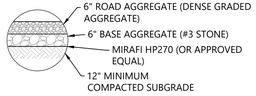


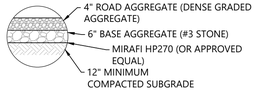
ACCESS ROAD SECTION (DESIGNED BY WORLEY)



SUBSTATION ACCESS ROAD IMPROVEMENT SECTION (DESIGNED BY WORLEY)



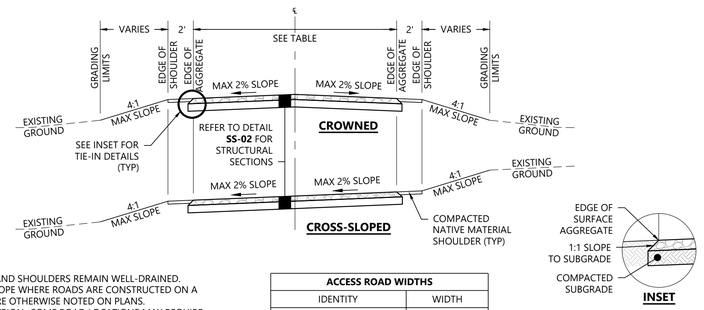
SUBSTATION ACCESS ROAD SECTION (DESIGNED BY WORLEY)



LAYDOWN YARD SECTION

NOTES:
1. SEE MOUNT OLIVE CREEK CIVIL IFC PLANS, SHEET MOC-PV-C-155-01 FOR ACCESS ROAD SECTION DETAILS
2. REFER TO CONSTRUCTION SPECIFICATIONS, AGGREGATE REQUIREMENTS, AND TESTING REQUIREMENTS.
3. STRUCTURAL SECTIONS SHOWN ARE THE MINIMUM THICKNESS DURING NORMAL FIELD CONDITIONS. THE SECTIONS MAY NEED TO BE INCREASED BASED ON ACTUAL FIELD CONDITIONS AT THE TIME OF CONSTRUCTION. CONDITIONS INCLUDE, BUT ARE NOT LIMITED TO, CONSTRUCTION DURING UNUSUALLY WET PERIODS, IN LOW/WET AREAS OR SOFT SOILS.
4. AGGREGATE DEPTHS SPECIFIED ARE DEPTHS REMAINING AT THE END OF CONSTRUCTION.

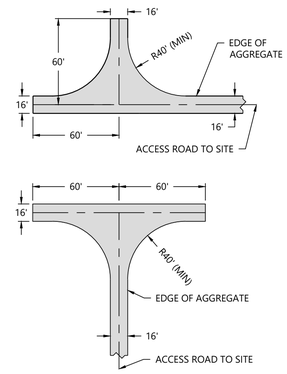
Westwood	STRUCTURAL CROSS SECTIONS	SS-02
	NOT TO SCALE	



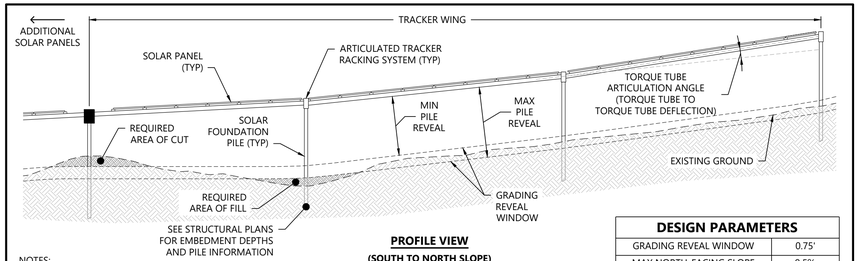
NOTES:
1. ENSURE THAT ROADS AND SHOULDERS REMAIN WELL-DRAINED.
2. CONSTRUCT CROSS-SLOPE WHERE ROADS ARE CONSTRUCTED ON A SIDE SLOPE, AND WHERE OTHERWISE NOTED ON PLANS.
3. SLOPES SHOWN ARE TYPICAL. SOME ROAD LOCATIONS MAY REQUIRE VARIATIONS IN SLOPE.
4. ALL DISTURBED GROUND NOT COVERED WITH AGGREGATE SHALL BE STABILIZED PER THE NPDES PERMIT.

ACCESS ROAD WIDTHS	
IDENTITY	WIDTH
SUBSTATION ACCESS ROAD	20 FT
ARRAY ACCESS ROAD	16 FT, 2FT SHOULDERS

Westwood	TYPICAL ACCESS ROAD WITH SHOULDERS	RD-06
	NOT TO SCALE	



Westwood	PERMANENT HAMMERHEAD TURNAROUND	RD-31
	NOT TO SCALE	

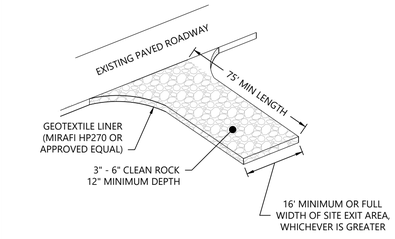


PROFILE VIEW
(SOUTH TO NORTH SLOPE)

DESIGN PARAMETERS	
GRADING REVEAL WINDOW	0.75'
MAX NORTH-FACING SLOPE	9.5%
MAX SOUTH-FACING SLOPE	9.5%
MAX N/S DROP BETWEEN ROWS	10%
MAX E/W DROP BETWEEN RACKS	10%
MAX TORQUE TUBE ARTICULATION ANGLE	1.5 DEG

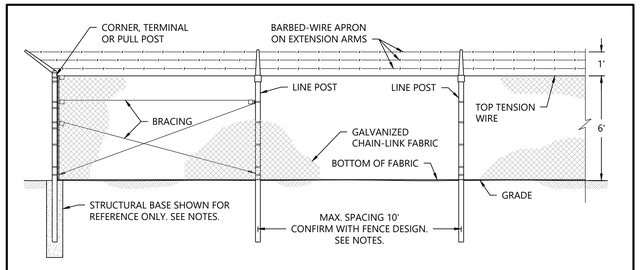
NOTES:
1. THE GRADING REVEAL WINDOW PROVIDES A VERTICAL GROUND BUFFER ZONE WHERE GRADING/EARTHWORK IS NOT NEEDED TO MEET THE MIN/MAX PILE REVEAL REQUIREMENTS.
2. ARTICULATION (DEFLECTION) ANGLE ALLOWS TRACKER INSTALLATION FLEXIBILITY TO ADJUST THE ANGLE BETWEEN ADJACENT TORQUE TUBES SO THE TRACKER ROW CAN MORE CLOSELY FOLLOW THE SITE TERRAIN.
3. ARTICULATION ANGLE MAY NOT NEGATE THE NEED FOR GRADING, REFER TO THE GRADING PLANS FOR AREAS OF REQUIRED GRADING.
4. RACK WILL INCLUDE MULTIPLE STRAIGHT PLANES. EACH PLANE IS BETWEEN ADJACENT FOUNDATION PILES. CONTRACTOR TO CONFIRM THE MIN/MAX REVEAL HEIGHT FOR FOUNDATION PILES IS ACHIEVED.
5. REFER TO THE MANUFACTURER SPECIFICATIONS FOR TRACKER DETAILS AND REQUIREMENTS. THIS DETAIL REPRESENTS TYPICAL GRADING SCENARIOS.

Westwood	BASIS OF GRADING DESIGN - ARTICULATED TRACKER	SL-03
	NOT TO SCALE	



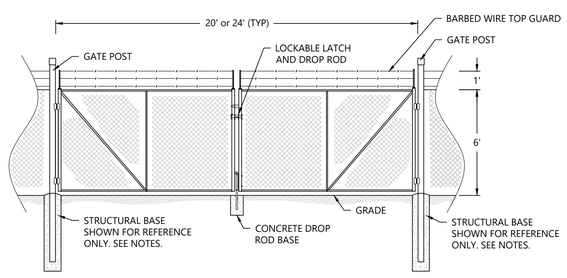
NOTES:
1. IF SEDIMENT TRACKING IS OBSERVED ON EXISTING PAVED ROADWAY, THE CONTRACTOR SHALL SCRAPE AND SWEEP THE SURFACE WITH A PICKUP BROOM ATTACHMENT OR VEHICLE.
2. REGULAR INSPECTION AND MAINTENANCE SHALL BE PERFORMED OVER LIFE OF USE.
3. LENGTH MAY NEED TO BE EXTENDED AS NECESSARY TO IMPROVE PERFORMANCE.

Westwood	VEHICLE TRACKOUT CONTROL - ROCK EXIT	SW-40
	NOT TO SCALE	



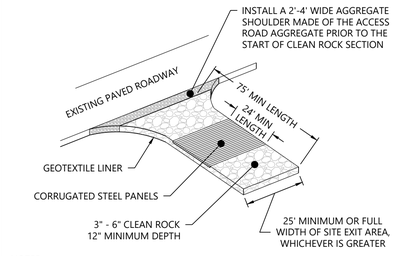
NOTES:
1. TYPICAL FENCE AND GATE INFORMATION SHOWN IS INTENDED FOR PLANNING PURPOSES. ACTUAL DIMENSIONS AND INFORMATION TO BE PROVIDED BY FENCE SUPPLIER.
2. REFER TO FENCE SUPPLIER SPECIFICATIONS AND DETAILS.
3. STRUCTURAL DESIGN OF FENCE POSTS AND FOUNDATIONS TO BE PROVIDED BY FENCE SUPPLIER. STRUCTURAL PLANS AND FENCE SUPPLIER DRAWINGS SHALL SUPERSEDE THIS DETAIL IF CONFLICTS ARE PRESENT.
4. FENCE AND GATE TYPE TO BE APPROVED BY OWNER PRIOR TO CONSTRUCTION.

Westwood	CHAIN-LINK SECURITY FENCE	FN-01
	NOT TO SCALE	



NOTES:
1. SEE NOTES ON DETAIL **FN-01**.

Westwood	CHAIN-LINK SECURITY VEHICLE GATE	FN-02
	NOT TO SCALE	



NOTES:
1. IF SEDIMENT TRACKING IS OBSERVED ON EXISTING PAVED ROADWAY, THE CONTRACTOR SHALL SCRAPE AND SWEEP THE SURFACE WITH A PICKUP BROOM ATTACHMENT OR VEHICLE.
2. REGULAR INSPECTION AND MAINTENANCE SHALL BE PERFORMED OVER LIFE OF USE.
3. LENGTH MAY NEED TO BE EXTENDED AS NECESSARY TO IMPROVE PERFORMANCE.
4. CLEAN ROCK MATERIAL SHALL BE SET BACK 2'-4' FROM THE EXISTING PAVED ROAD TO PROTECT INTEGRITY OF THE PAVEMENT.
5. CONTRACTOR SHALL REPAIR DAMAGE TO THE PUBLIC ROAD/SHOULDER IN THE IMMEDIATE VICINITY OF THE ROCK EXIT CAUSED BY CONSTRUCTION ACTIVITIES.

Westwood	VEHICLE TRACKOUT CONTROL - ROCK EXIT WITH RUMBLE RACKS	SW-41
	NOT TO SCALE	

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STATE OF KENTUCKY — DAVID KELCHER — 35445 — 07/15/26 — LICENSED PROFESSIONAL ENGINEER

PREPARED FOR:
Discovery A GS COMPANY
3401 Ridgewood Dr.
Edmond, OK 73013

REVISIONS:

#	DATE	COMMENT	
0	07/15/2026	IFC Civil Design Plans	MPH ELS DFK

Flat Run Solar, LLC
Taylor County, KY

Construction Details - 1

ISSUED FOR CONSTRUCTION
DATE: 07/15/2026
SHEET: C-180-01 REV: 0

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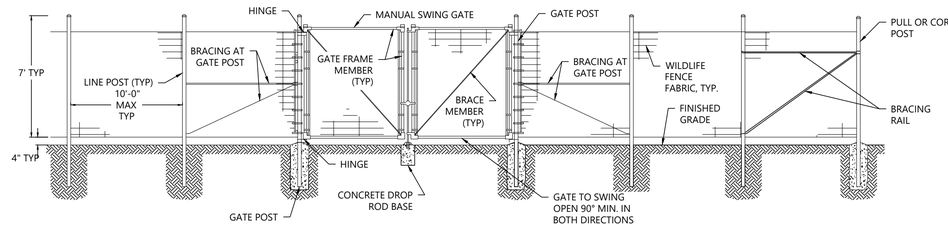
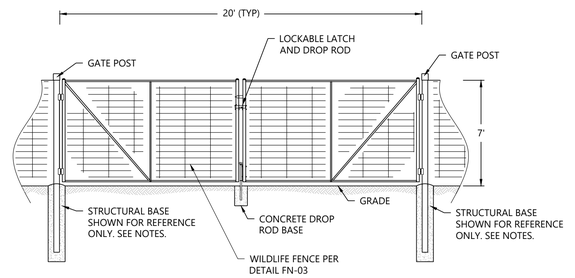


NOTES:

1. TYPICAL FENCE AND GATE INFORMATION SHOWN IS INTENDED FOR PLANNING PURPOSES. ACTUAL DIMENSIONS AND INFORMATION TO BE PROVIDED BY FENCE SUPPLIER.
2. REFER TO FENCE SUPPLIER SPECIFICATIONS AND DETAILS.
3. STRUCTURAL DESIGN OF FENCE POSTS AND FOUNDATIONS TO BE PROVIDED BY FENCE SUPPLIER. STRUCTURAL PLANS AND FENCE SUPPLIER DRAWINGS SHALL SUPERSEDE THIS DETAIL IF CONFLICTS ARE PRESENT.
4. FENCE AND GATE TYPE TO BE APPROVED BY OWNER PRIOR TO CONSTRUCTION.

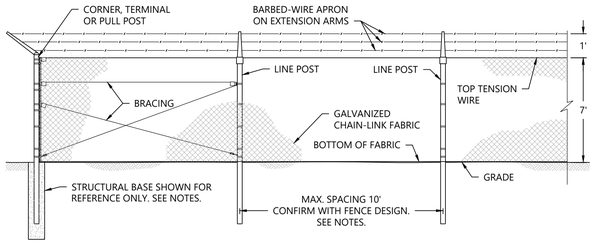
Westwood	TYPICAL ARRAY WILDLIFE FENCE	NOT TO SCALE	FN-04



NOTES:

1. SEE NOTES ON DETAIL **FN-03**.

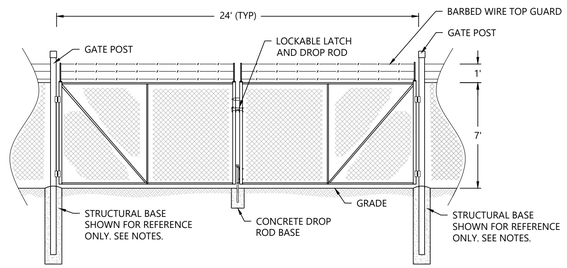
Westwood	TYPICAL ARRAY WILDLIFE SECURITY VEHICLE GATE	NOT TO SCALE	FN-05



NOTES:

1. TYPICAL FENCE AND GATE INFORMATION SHOWN IS INTENDED FOR PLANNING PURPOSES. ACTUAL DIMENSIONS AND INFORMATION TO BE PROVIDED BY FENCE SUPPLIER.
2. REFER TO FENCE SUPPLIER SPECIFICATIONS AND DETAILS.
3. STRUCTURAL DESIGN OF FENCE POSTS AND FOUNDATIONS TO BE PROVIDED BY FENCE SUPPLIER. STRUCTURAL PLANS AND FENCE SUPPLIER DRAWINGS SHALL SUPERSEDE THIS DETAIL IF CONFLICTS ARE PRESENT.
4. FENCE AND GATE TYPE TO BE APPROVED BY OWNER PRIOR TO CONSTRUCTION.

Westwood	SUBSTATION CHAIN-LINK SECURITY FENCE	NOT TO SCALE	FN-06



NOTES:

1. SEE NOTES ON DETAIL **FN-01**.

Westwood	SUBSTATION CHAIN-LINK SECURITY VEHICLE GATE	NOT TO SCALE	FN-07

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STATE OF KENTUCKY
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Flat Run Solar, LLC
Taylor County, KY

Construction Details - 2

ISSUED FOR CONSTRUCTION
DATE: 07/15/2026
SHEET: C-180-02 REV: 0

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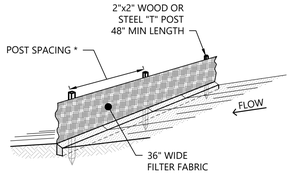
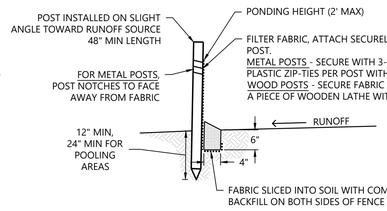


* 7' MAX FOR OPEN RUNS
4' MAX FOR POOLING AREAS

PERSPECTIVE VIEW

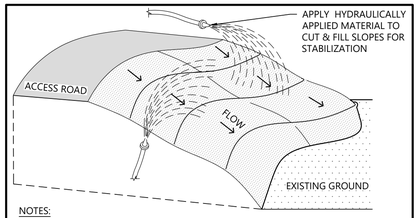


POST AND TRENCH DETAIL

NOTES:

1. SILT FENCE MATERIAL SHOULD BE POLYPROPYLENE, POLYETHYLENE OR POLYAMIDE WOVEN OR NONWOVEN FABRIC. THE FABRIC WIDTH SHOULD BE 36 INCHES, WITH A MINIMUM UNIT WEIGHT OF 4.5 OZ/YD, MULLEN BURST STRENGTH EXCEEDING 190 LB/IN 2 , ULTRAVIOLET STABILITY EXCEEDING 70%, AND MINIMUM APPARENT OPENING SIZE OF U.S. SIEVE NO. 30.
2. SILT FENCE SHOULD BE SECURELY FASTENED TO EACH SUPPORT POST. THERE SHOULD BE A 3 FT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
4. ALL ENDS OF THE SILT FENCE SHALL BE WRAPPED UPSLOPE SO THE ELEVATION OF THE BOTTOM OF FABRIC IS HIGHER THAN "PONDING HEIGHT".
5. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN ACCUMULATED TO **1/3 HEIGHT** OF THE FABRIC OR MORE.
6. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
7. SILT FENCE SHOULD REMAIN IN PLACE AND MAINTAINED UNTIL THE DISTURBED AREA IS PERMANENTLY STABILIZED.
8. INSTALL A SECOND ROW OF SILT FENCE APPROXIMATELY 5' FROM INITIAL ROW WHEN REDUNDANT PROTECTION IS REQUIRED WITHIN 50' OF WETLANDS AND STREAMS.
9. AVOID SPLICED SECTIONS IN LOW LYING (LOAD BEARING) LOCATIONS.

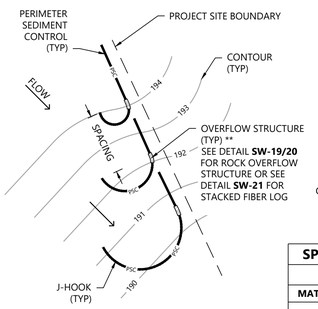
Westwood	SILT FENCE	NOT TO SCALE	SW-11



NOTES:

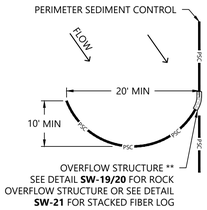
1. REFER TO THE MANUFACTURER OR SUPPLIER OF THE PRODUCT FOR APPLICATION, IMPLEMENTATION, AND SPECIFICATION REQUIREMENTS.
2. ALL HYDRAULICALLY APPLIED MATERIAL SHALL BE APPROVED BY ALL JURISDICTIONS HAVING AUTHORITY.
3. APPLY HYDRAULICALLY APPLIED MATERIAL TO EXPOSED SOILS FOR STABILIZATION MEASURES. EXPOSED SOILS MAY INCLUDE ROUGH GRADED AREAS, SOIL STOCKPILES, CUT/FILL SLOPES, ETC.
4. PREPARE SOIL SURFACES IN ACCORDANCE WITH PLANNED SEED BED PREPARATION.
5. AVOID OVERSPRAY ONTO ROADS AND INFRASTRUCTURE.
6. APPLY TWO DIRECTIONS (90 DEGREES BETWEEN) TO ADEQUATELY COVER THE SOIL.
7. ALLOW ADEQUATE TIME FOR HYDRAULICALLY APPLIED MATERIAL TO DRY. HYDRAULICALLY APPLIED MATERIAL SHOULD NOT BE APPLIED IMMEDIATELY BEFORE, DURING OR IMMEDIATELY AFTER RAINFALL OR IF THE SOIL IS SATURATED.
8. APPLY SEED PRIOR TO HYDRAULICALLY APPLIED MATERIAL OR MIX SEED WITH HYDRAULICALLY APPLIED MATERIAL PRIOR TO APPLICATION.

Westwood	SLOPE STABILIZATION - HYDRAULICALLY APPLIED MATERIAL	NOT TO SCALE	SW-04



PERSPECTIVE VIEW

** OVERFLOW STRUCTURES MAY BE OMITTED WHEN FIBER LOGS ARE UTILIZED AS PERIMETER SEDIMENT CONTROL (PSC)



J-HOOK DETAIL

SPACING RECOMMENDATIONS

		SOIL TYPE		
MATERIAL	**SLOPE**	SILTY	CLAYS	SANDY
SILT FENCE	3:1	75 FT	100 FT	125 FT
	4:1	100 FT	125 FT	150 FT
	≤10:1	125 FT	150 FT	200 FT
9" FIBER LOG	≤3%	46 FT	56 FT	75 FT

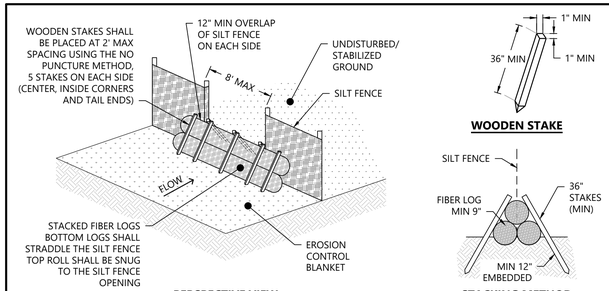
APPLICATION NOTES:

1. INSTALL J-HOOKS WHENEVER THE PERIMETER SEDIMENT CONTROL (PSC) BARRIER IS INSTALLED AT AN ANGLE OF 30 DEGREES OR GREATER FROM PARALLEL TO CONTOURS.
2. ADHERE TO J-HOOK SPACING REQUIREMENTS ACCORDING TO SURFACE SLOPE DETAILED IN TABLE.
3. WHERE MINIMUM HOOK DIMENSIONS SHOWN CANNOT BE ACHIEVED, NARROWER HOOKS MAY BE USED WITH HIGHER FREQUENCY SPACING.
4. WHERE PONDING DEPTH BEGINS TO EXCEED 1.5 FEET OR THE PSC BARRIER AND ROCK OUTLET OTHERWISE FAIL TO PROVIDE CONTROL, FREQUENCY AND SIZING OF J-HOOKS MUST BE ADJUSTED TO REMEDY THE ISSUE.
5. WHEN OVERLAND SHEET FLOW SLOPE IS LESS THAN OR EQUAL TO 3%, FIBER LOGS MAY BE USED AS PERIMETER SEDIMENT CONTROL. IF SHEET FLOW SLOPE IS GREATER THAN 3%, SILT FENCE MUST BE USED.

INSTALLATION NOTES:

1. INSTALL J-HOOK LOCATED IMMEDIATELY DOWN GRADIENT FROM THE ROCK OUTLET TO ENSURE THE WATER IS NOT DIVERTED TO THE LOWEST AREAS WHERE A COMPLEX SLOPE EXISTS.
2. UP-GRADIENT PSC BARRIER AND J-HOOK ARE ONE CONTINUOUS BARRIER.
3. START DOWN-GRADIENT PSC BARRIER AS CLOSE AS POSSIBLE TO THE UP-GRADIENT J-HOOK.
4. BOTTOM OF PSC BARRIER ELEVATIONS AT THE END OF J-HOOK NEED TO BE HIGHER THAN THE TOP OF BARRIER ELEVATIONS AT THE MIDDLE OF J-HOOK.
5. TOP OF BARRIER ELEVATIONS AT THE MIDDLE OF J-HOOK NEED TO BE HIGHER THAN THE ROCK OUTLET ELEVATIONS.

Westwood	PERIMETER SEDIMENT CONTROL - J-HOOK APPLICATION	NOT TO SCALE	SW-18



PERSPECTIVE VIEW

WOODEN STAKE

STACKING METHOD

NOTES:

1. LOCATIONS OF STACKED FIBER LOG OVERFLOWS ARE INDICATED ON THE PLANS AND/OR AS DETERMINED BY QUALIFIED PERSONNEL BASED ON FIELD CONDITIONS TO MAINTAIN PERMIT COMPLIANCE. QUALIFIED PERSONNEL MUST BE TRAINED AND CERTIFIED IN EROSION AND SEDIMENT CONTROL.
2. STACKED FIBER LOG OVERFLOWS ARE RECOMMENDED AT ALL LOW POINTS AND AT A SPACING OF 300 FEET WHERE NO LOW POINT IS APPARENT.
3. FIBER LOGS SHALL BE POSITIONED TO ABUT THE SILT FENCE, NO GAP SHALL BE LEFT BETWEEN THE LOG AND SILT FENCE.

Westwood	STACKED FIBER LOG OVERFLOW FOR SILT FENCE	NOT TO SCALE	SW-21

Westwood
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12701 Whitewater Drive, Suite #300 Minnetonka MN, 55343 westwoodps.com
Westwood Professional Services, Inc.

PREPARED FOR:

Discovery A GES COMPANY

3401 Ridgewood Dr.
Edmond, OK 73013

REVISIONS:

#	DATE	COMMENT	
0	07/15/2026	IFC Civil Design Plans	MPH ELS DFK

Flat Run Solar, LLC
Taylor County, KY

Construction Details - 3

ISSUED FOR CONSTRUCTION
DATE: 07/15/2026
SHEET: C-180-03 REV: 0

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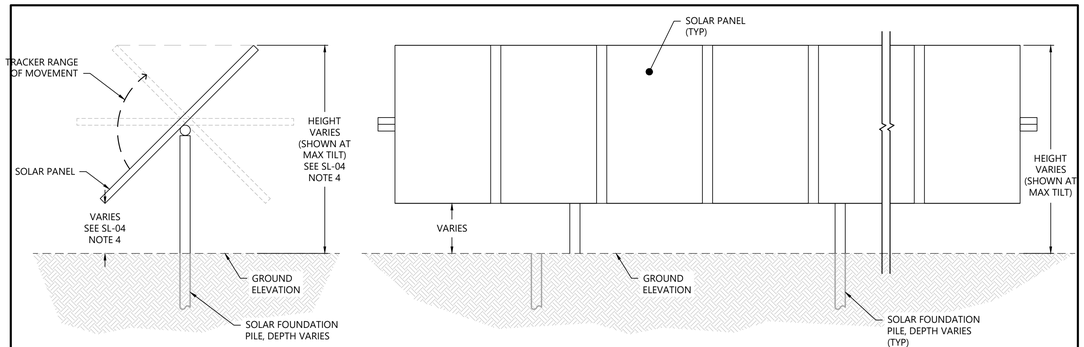
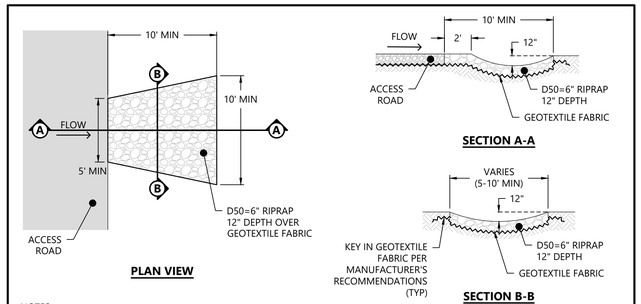


Westwood | TYPICAL ARTICULATED TRACKER CONFIGURATION | SL-11

NOT TO SCALE

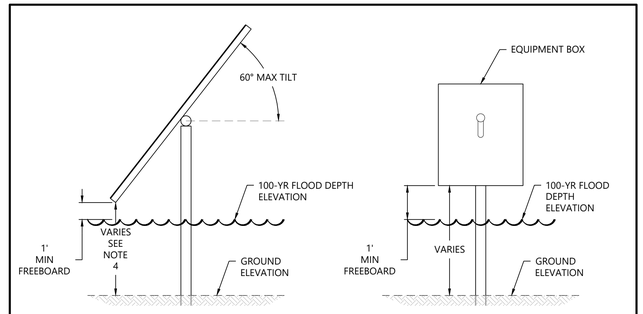


NOTES:

1. GEOTEXTILE FABRIC AND RIPRAP SHALL BE PLACED IMMEDIATELY FOLLOWING CONSTRUCTION OF ACCESS ROAD DIVERSION.
2. DIMENSIONS PROVIDED ARE MINIMUMS. EXTEND RIPRAP AS NECESSARY TO PROTECT NEWLY CONSTRUCTED SLOPES FROM EROSION.
3. **ALTERNATE STABILIZED OUTLET OPTION**: IN LIEU OF GEOTEXTILE/RIPRAP, PLACE PULVERIZED TOPSOIL, SEED AND EROSION CONTROL BLANKET. EROSION CONTROL BLANKET OPTION MUST BE SUFFICIENT FOR THE ANTICIPATED VELOCITIES AND SHEAR STRESS OF AT MINIMUM A 2 YEAR, 24-HOUR RAINFALL EVENT. CONSULT ENGINEER AND ON-SITE EROSION AND SEDIMENT CONTROL SPECIALIST PRIOR TO USE OF ALTERNATE OPTION.

Westwood | STABILIZED OUTLET FOR ACCESS ROAD DIVERSIONS | SW-30

NOT TO SCALE

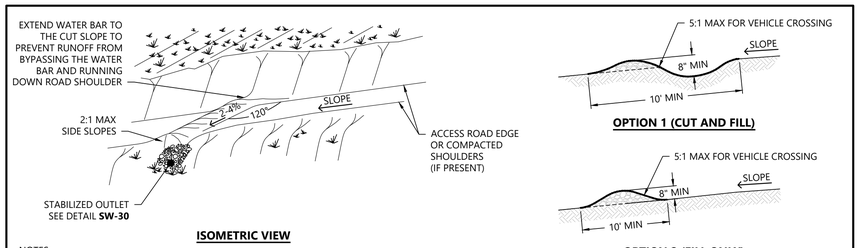


NOTES:

1. SEE SHEET C-130-01 AND/OR PROJECT HYDROLOGY REPORT FOR MAXIMUM FLOOD DEPTHS.
2. REFERENCE MANUFACTURER SPECIFICATIONS FOR EQUIPMENT REQUIREMENTS.
3. FLOOD SENSORS AND ALTERNATE STOW ANGLES MAY BE USED TO REDUCE VERTICAL FREEBOARD REQUIREMENTS.
4. SEE GAMECHANGE STRUCTURAL SPECIFICATIONS FOR MAX AND MIN HEIGHT AT FULL TILT.

Westwood | TYPICAL FLOOD DEPTH CRITERIA | SL-04

NOT TO SCALE



NOTES:

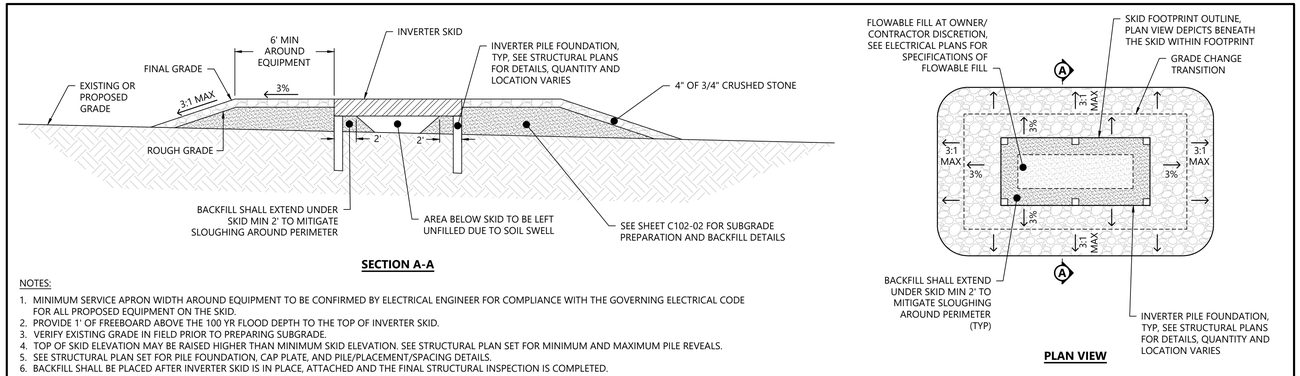
1. WATER BARS SHALL BE USED ON ACCESS ROADS. REFER TO TABLE FOR SPACING RECOMMENDATIONS ON SPECIFIC ROAD SLOPES.
2. WATER BARS COULD BE INSTALLED AFTER ALL OVERSIZED CONSTRUCTION DELIVERIES ARE COMPLETED. IF SUBSTANTIAL LAG TIME (I.E. 90 CALENDAR DAYS) IS ANTICIPATED BETWEEN ROAD CONSTRUCTION AND DELIVERIES, WATER BARS SHALL BE INSTALLED, REMOVED DURING DELIVERIES, IF REQUIRED, AND THEN RECONSTRUCTED DURING RESTORATION PHASE OF THE PROJECT.
3. WATER BARS WILL REQUIRE MAINTENANCE FOLLOWING RAINFALL EVENTS TO ENSURE FUNCTIONALITY. REMOVE SEDIMENT FROM THE FLOW AREA.
4. WATER BARS SHALL BE BUILT AT AN ANGLE OF +/-30° DOWNSLOPE (120° FROM CENTERLINE) AND HAVE A GRADE OF 2-4%.
5. THE HEIGHT FROM FLOW LINE TO THE TOP OF THE SETTLED WATER BAR SHALL BE 8 INCHES MINIMUM.
6. DIVERSIONS SHALL HAVE STABILIZED OUTLETS, EITHER NATURAL OR MANMADE.
7. FLOW PATH SHALL BE STABILIZED WITH CRUSHED ROCK OR AGGREGATE.
8. LOCATIONS OF ACCESS ROAD WATER BARS ARE SUBJECT TO CHANGE BASED ON EROSION LOCATIONS IN THE FIELD.

SPACING RECOMMENDATIONS

GRADE (%)	SPACING (FT)
0-5	AS REQUIRED
5-10	300
10-15	150
15+	100

Westwood | ACCESS ROAD DIVERSION - WATER BAR | SW-70

NOT TO SCALE



NOTES:

1. MINIMUM SERVICE APRON WIDTH AROUND EQUIPMENT TO BE CONFIRMED BY ELECTRICAL ENGINEER FOR COMPLIANCE WITH THE GOVERNING ELECTRICAL CODE FOR ALL PROPOSED EQUIPMENT ON THE SKID.
2. PROVIDE 1' OF FREEBOARD ABOVE THE 100 YR FLOOD DEPTH TO THE TOP OF INVERTER SKID.
3. VERIFY EXISTING GRADE IN FIELD PRIOR TO PREPARING SUBGRADE.
4. TOP OF SKID ELEVATION MAY BE RAISED HIGHER THAN MINIMUM SKID ELEVATION. SEE STRUCTURAL PLAN SET FOR MINIMUM AND MAXIMUM PILE REVEALS.
5. SEE STRUCTURAL PLAN SET FOR PILE FOUNDATION, CAP PLATE, AND PILE/PLACEMENT/SPACING DETAILS.
6. BACKFILL SHALL BE PLACED AFTER INVERTER SKID IS IN PLACE, ATTACHED AND THE FINAL STRUCTURAL INSPECTION IS COMPLETED.
7. FLOWABLE FILL SHALL NOT BE PLACED UNTIL CONDUIT ROUTING HAS BEEN COMPLETED AND APPROVED.

Westwood | TYPICAL INVERTER SKID SERVICE APRON | SL-01

NOT TO SCALE

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STATE OF KENTUCKY
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35445
07/15/26
LICENSED PROFESSIONAL ENGINEER

PREPARED FOR:

Discovery A GES COMPANY
3401 Ridgewood Dr.
Edmond, OK 73013

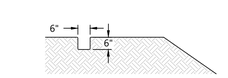
REVISIONS:

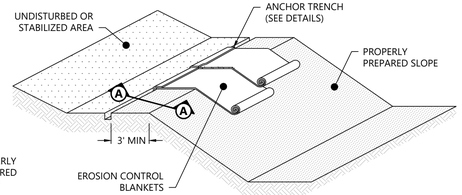
#	DATE	COMMENT	
0	07/15/2026	IFC Civil Design Plans	MPH ELS DFK

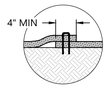
Flat Run Solar, LLC
Taylor County, KY

Construction Details - 4

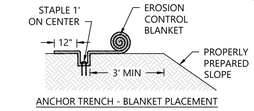
ISSUED FOR CONSTRUCTION
DATE: 07/15/2026
SHEET: C-180-04
REV: 0

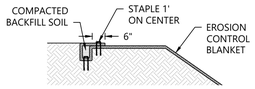


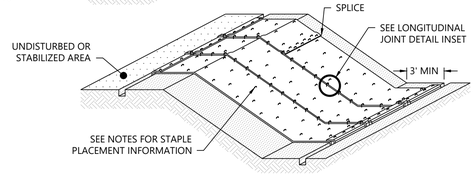




LONGITUDINAL JOINT DETAIL INSET





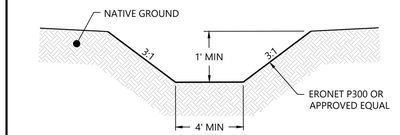


SECTION A-A - ANCHOR TRENCH DETAILS

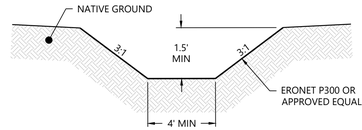
NOTES:

1. EROSION CONTROL BLANKETS ARE INTENDED TO BE USED AS AN IMMEDIATE MULCH COVER FOR DISTURBED SLOPES THAT HAVE BEEN TEMPORARILY OR PERMANENTLY SEEDED.
2. EROSION CONTROL BLANKETS SHALL BE INSTALLED ACCORDING TO MANUFACTURERS SPECIFICATIONS. WHEN NOT AVAILABLE, INSTALL ACCORDING TO THIS DETAIL AND THE FOLLOWING NOTES:
   - 2.1. STEP ONE: SITE PREPARATION. TO PREVENT TENTING THE SITE SHOULD BE FINE GRADED TO A SMOOTH PROFILE AND RELATIVELY FREE FROM ALL WEEDS, CLODS, STONES, ROOTS, STICKS, RIVULETS, GULLIES, CRUSTING, AND CAKING. FILL ANY VOIDS AND MAKE SURE THE SLOPE IS COMPACTED PROPERLY.
   - 2.2. STEP TWO: ADEQUATE TOPSOIL SHALL BE REAPPLIED AFTER GRADING PRIOR TO SEEDING.
   - 2.3. STEP THREE: SEEDING. SEEDING WITHOUT MULCH SHOULD BE APPLIED TO THE AREA TO BE VEGETATED.
   - 2.4. STEP FOUR: PREPARE THE ANCHOR TRENCH. AT THE TOP OF THE SLOPE EXCAVATE AN ANCHOR TRENCH 6" X 6". THE EROSION CONTROL BLANKET WILL BE ANCHORED INTO THE TRENCH BY STAPLES. ALLOW A MINIMUM OF 3' FROM THE CREST OF THE SLOPE TO THE ANCHOR TRENCH.
   - 2.5. STEP FIVE: SECURE THE EROSION CONTROL BLANKET IN THE ANCHOR TRENCH. BEGIN EROSION CONTROL BLANKET PLACEMENT 30" ABOVE THE ANCHOR TRENCH. PLACE THE EROSION CONTROL BLANKET INTO THE ANCHOR TRENCH. ANCHOR THE EROSION CONTROL BLANKET WITH STAPLES 1' ON CENTER IN THE ANCHOR TRENCH WHEN NO OTHER GUIDANCE IS AVAILABLE. BE SURE THE DRIVE STAPLES OR STAKES FLUSH WITH THE SOIL SURFACE. BACKFILL THE ANCHOR TRENCH AND COMPACT THE SOIL. PLACE SEED OVER THE COMPACTED SOIL. COVER THE COMPACTED SOIL WITH THE REMAINING 12" OF THE TERMINAL END OF THE EROSION CONTROL BLANKET. STAPLE OR STAKE TERMINAL END DOWN SLOPE OF THE ANCHOR TRENCH ON 1' CENTERS.
   - 2.6. STEP SIX: EROSION CONTROL BLANKET DEPLOYMENT. STARTING AT THE CREST OF THE SLOPE, ROLL THE EROSION CONTROL BLANKET DOWN THE SLOPE IN A CONTROLLED MANNER TO PREVENT EXCESSIVE STRETCHING. APPROXIMATELY EVERY 20'-25' PULL THE EROSION CONTROL BLANKET TO TAKE OUT ANY EXCESS SLACK. THE GOAL IS TO HAVE THE EROSION CONTROL BLANKET CONTOUR AND INITIATE CONTACT WITH THE SOIL.
   - 2.7. STEP SEVEN: STAPLE OR STAKE THE EROSION CONTROL BLANKET. SECURE THE OVERLAP OR THE EDGES WITH STAPLES. THE TYPICAL INSTALLATION WILL REQUIRE ONE STAPLE PLACED AT 3' INTERVALS ALONG THE VERTICAL LENGTH OF THE EROSION CONTROL BLANKET. STAPLES SHOULD BE STAGGERED EVERY 18" TO 24" HORIZONTALLY ACROSS THE EROSION CONTROL BLANKET. IF THE EROSION CONTROL BLANKET NEEDS TO BE SPLICED IN THE MIDDLE OF A SLOPE BE SURE THE EROSION CONTROL BLANKET IS "SHINGLED" WITH UP-SLOPE EROSION CONTROL BLANKET OVERLAPPING THE DOWN-SLOPE EROSION CONTROL BLANKET. THERE SHOULD BE A MINIMUM OF 4" OF OVERLAP IN A SPLICE. USE A STAPLE CHECK SLOT TO SECURE THE OVERLAP. A STAPLE CHECK SLOT IS MADE BY PLACING A ROW OF STAPLES 4" ON CENTER AND THEN PLACING A SECOND ROW OF STAPLES 4" ON CENTER, STAGGERED FROM THE FIRST ROW.
   - 2.8. STEP EIGHT: SECURING THE EROSION CONTROL BLANKET AT THE TOE OF THE SLOPE. ROLL THE EROSION CONTROL BLANKET 36" PAST THE TOE OF THE SLOPE. STAPLE OR STAKE TERMINAL END OF THE EROSION CONTROL BLANKET ON 1' CENTERS.

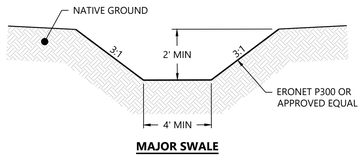
Westwood	EROSION CONTROL BLANKET INSTALLATION FOR SLOPE	SW-01
	NOT TO SCALE	



MINOR SWALE



MEDIUM SWALE



MAJOR SWALE

NOTES:

1. ADEQUATE TOPSOIL TO BE REAPPLIED AFTER GRADING AND PRIOR TO SEEDING, ANCHORING, ETC.

Westwood	DIVERSION SWALE	DN-20
	NOT TO SCALE	

CHECK SLOT DETAIL

SECTION A-A - ANCHOR TRENCH DETAILS

CHECK SLOT DETAIL

SECTION A-A - ANCHOR TRENCH DETAILS

NOTES:

1. EROSION CONTROL BLANKETS ARE USED TO TEMPORARILY AND PERMANENTLY STABILIZE DITCHES AND SWALES.
2. EROSION CONTROL BLANKETS SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS. WHEN NOT AVAILABLE INSTALL ACCORDING TO THIS DETAIL AND THE FOLLOWING NOTES:
   - 2.1. STEP ONE: SITE PREPARATION. TO PREVENT TENTING THE CHANNEL SHOULD BE FINE GRADED TO A SMOOTH PROFILE AND RELATIVELY FREE FROM ALL WEEDS, CLODS, STONES, ROOTS, STICKS, RIVULETS, GULLIES, CRUSTING, AND CAKING. FILL ANY VOIDS AND MAKE SURE THE CHANNEL IS COMPACTED PROPERLY.
   - 2.2. STEP TWO: ADEQUATE TOPSOIL SHALL BE REAPPLIED AFTER GRADING PRIOR TO SEEDING.
   - 2.3. STEP THREE: SEEDING. SEEDING WITHOUT MULCH SHOULD BE APPLIED TO THE AREA TO BE VEGETATED.
   - 2.4. STEP FOUR: ANCHORING THE EROSION CONTROL BLANKET. EROSION CONTROL BLANKETS SHALL BE ANCHORED AT THE BEGINNING OF THE CHANNEL. A 6" X 6" DEEP TRENCH SHOULD BE EXCAVATED PERPENDICULAR TO THE DIRECTION OF WATER FLOW ACROSS THE ENTIRE WIDTH OF THE CHANNEL. THE EROSION CONTROL BLANKET SHOULD BE LAID IN THE CHECK SLOT WITH 30" OF THE EROSION CONTROL BLANKET EXTENDING UPSTREAM OF THE ANCHORING TRENCH. STAKE OR STAPLE THE EROSION CONTROL BLANKET IN THE CHECK SLOT ON 12" CENTERS WHEN NO OTHER GUIDANCE IS AVAILABLE. BACKFILL THE ANCHOR TRENCH AND COMPACT THE SOIL. PLACE SEED OVER THE COMPACTED SOIL. COVER THE COMPACTED SOIL WITH THE REMAINING 12 INCHES OF THE TERMINAL END OF THE EROSION CONTROL BLANKET. STAPLE OR STAKE TERMINAL END DOWN SLOPE OF THE ANCHOR TRENCH ON 12" CENTERS.
   - 2.5. STEP FIVE: EROSION CONTROL BLANKET DEPLOYMENT IN THE CHANNEL BOTTOM. THE EROSION CONTROL BLANKETS SHOULD BE UNROLLED IN THE DIRECTION OF WATER FLOW. FIRST THE EROSION CONTROL BLANKET IS DEPLOYED IN THE CHANNEL BOTTOM. IT IS ALSO NECESSARY TO PREVENT A SEAM FROM GOING DOWN THE CENTER OF THE CHANNEL BOTTOM OR IN AREAS OF CONCENTRATED WATER FLOW. WHEN INSTALLING TWO EROSION CONTROL BLANKETS SIDE BY SIDE IN A WATERWAY THE CENTER OF THE EROSION CONTROL BLANKET SHOULD BE CENTERED IN THE AREA OF CONCENTRATED WATER FLOW. INSTALL ADJOINING EROSION CONTROL BLANKETS AWAY FROM THE CENTER OF THE CHANNEL BOTTOM. ADJOINING EROSION CONTROL BLANKETS SHOULD BE OVERLAPPED 4" TO 6". CONTINUE TO INSTALL A COMMON ROW OF STAPLES AT 2' CENTERS ALONG THE LENGTH OF THE OVERLAP.
   - 2.6. STEP SIX: CHECK SLOTS. CHECK SLOTS SHOULD BE PLACED PERPENDICULAR TO THE FLOW DIRECTION ACROSS THE ENTIRE WIDTH OF THE CHANNEL AT 25' INTERVALS AND AT THE TERMINAL END OF THE CHANNEL. THE CHECK SLOTS SHOULD BE PLACED IN A 6" X 6" TRENCH AS SHOWN. SECURE THE EROSION CONTROL BLANKET IN THE UPSTREAM SIDE OF THE CHECK SLOT WITH STAPLES OR STAKES ON 12" CENTERS. FLIP THE EROSION CONTROL BLANKET ROLL ON THE UPSTREAM EDGE. BACK FILL THE CHECK SLOT AS SHOWN AND COMPACT THE SOIL. CONTINUE ROLLING THE EROSION CONTROL BLANKET DOWNSTREAM OVER THE COMPLETED CHECK SLOT.
   - 2.7. STEP SEVEN: EROSION CONTROL BLANKET DEPLOYMENT ON THE SIDE SLOPES. CONTINUE TO ROLL THE EROSION CONTROL BLANKET ALONG THE CHANNEL BOTTOM AND SIDE SLOPES IN THE DIRECTION OF THE WATER FLOW. AS THE EROSION CONTROL BLANKET IS INSTALLED FROM THE CHANNEL BOTTOM UP THE SLOPE, A SHINGLE TYPE INSTALLATION IS NECESSARY WITH THE UP-SLOPE EROSION CONTROL BLANKET OVERLAPPING THE LOWER EROSION CONTROL BLANKET APPROXIMATELY 4". ANCHOR THE EROSION CONTROL BLANKETS WITH A MINIMUM OF ONE STAPLE EVERY 24" ACROSS THE WIDTH AND ONE STAPLE EVERY 36" DOWN ITS LENGTH. IF THE EROSION CONTROL BLANKET NEEDS TO BE SPLICED, BE SURE THE EROSION CONTROL BLANKET IS "SHINGLED" WITH THE UPSTREAM EROSION CONTROL BLANKET OVERLAPPING THE DOWNSTREAM EROSION CONTROL BLANKET. THERE SHOULD BE A MINIMUM OF 4" OF OVERLAP IN A SPLICE. USE A STABLE CHECK SLOT TO SECURE THE OVERLAP. ANCHOR THE EROSION CONTROL BLANKET PLACED AT THE TOP OF THE CHANNEL SLOPE IN THE SAME MANNER AS SHOWN.
   - 2.8. STEP EIGHT: TERMINAL END. SECURE THE EROSION CONTROL BLANKET AT THE TERMINAL END OF THE CHANNEL WITH A SLOT SIMILAR TO THE ONE MADE AT THE BEGINNING OF THE CHANNEL.

Westwood	EROSION CONTROL BLANKET INSTALLATION FOR CHANNELS, CONCENTRATED FLOW PATHS, AND DIVERSION SWALES	SW-02
	NOT TO SCALE	

ISOMETRIC VIEW

SECTION A-A

PIPE ø	X (MIN)
UP TO 24"	12"
24" TO 72"	ø/2
OVER 72"	36"

MULTI-PIPE SPACING

NOTES:

1. CULVERT INSTALLATION AND COMPACTION SHALL ADHERE TO MANUFACTURER'S RECOMMENDATIONS.
2. REFER TO DRAINAGE CROSSING SCHEDULE FOR SIZING.
3. FIT CULVERT TO FIELD CONDITIONS.
4. MINIMIZE DISTURBANCE TO EXISTING CHANNEL/DITCH DURING CULVERT INSTALLATION.
5. PERIMETER SEDIMENT CONTROLS MAY CONSIST OF SILT FENCE, FIBER LOGS, WOOD MULCH BERMS, OR TOPSOIL BERMS. REFER TO ASSOCIATED DETAIL(S) AND/OR NPDES PERMIT FOR ADDITIONAL DETAILS.
6. PRIOR TO DISTURBANCE, CONTRACTOR SHALL MEASURE BOTTOM AND TOP WIDTH OF STREAM AT EACH CROSSING AT BOTH THE UPSTREAM AND DOWNSTREAM LIMITS OF CONSTRUCTION. PRE-CONSTRUCTION MEASUREMENTS ARE TO BE UTILIZED DURING RECLAIM OF THE CHANNEL AT EACH CROSSING.
7. ALL CROSSINGS WITHIN JURISDICTIONAL WATERS SHALL BE EMBEDDED PER THE NATIONWIDE PERMIT GENERAL CONDITIONS.

Westwood	CULVERT CROSSING	DN-03
	NOT TO SCALE	

SWALE SUMMARY TABLE

SWALE ID	SWALE TYPE	BOTTOM WIDTH (FT)	DEPTH (FT)	SIDE SLOPES	SWALE SLOPE (FT/FT)	LINING MATERIAL	DETAIL REFERENCE	SHEET NUMBER	NOTES
1	MINOR	4.0	1.0	3:1	0.036	ERONET P300	DN-20	C-132-01	Temporary swale
3	MINOR	4.0	1.0	3:1	0.016	ERONET P300	DN-20	C-132-06	Temporary swale
5	MEDIUM	4.0	1.5	3:1	0.015	ERONET P300	DN-20	C-132-08	Temporary swale
6	MAJOR	4.0	2.0	3:1	0.017	ERONET P300	DN-20	C-132-11	Permanent swale
7	MINOR	4.0	1.0	3:1	0.013	ERONET P300	DN-20	C-132-06	Temporary swale
9	MINOR	3.0	1.0	3:1	0.011	ERONET P300	DN-20	C-132-05	Permanent substation swale
10	MINOR	3.0	1.0	3:1	0.011	ERONET P300	DN-20	C-132-05	Permanent substation swale

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STATE OF KENTUCKY
DAVID KELCHER
35445
07/15/26
LICENSED PROFESSIONAL ENGINEER

PREPARED FOR:

Discovery A GS COMPANY
3401 Ridgewood Dr.
Edmond, OK 73013

REVISIONS:

#	DATE	COMMENT	
0	07/15/2026	IFC Civil Design Plans	MPH ELS DFK

Flat Run Solar, LLC
Taylor County, KY

Construction Details - 5

ISSUED FOR CONSTRUCTION
DATE: 07/15/2026
SHEET: C-180-05
REV: 0

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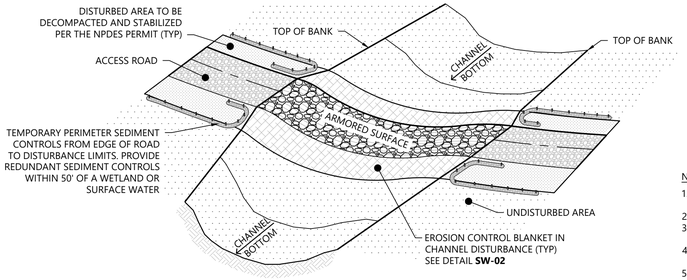
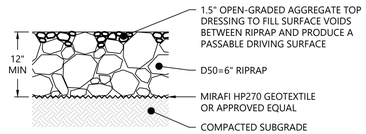


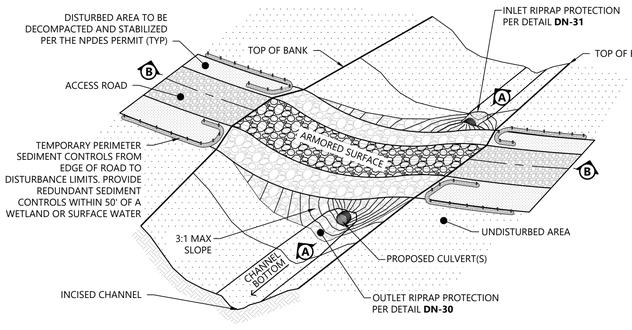


STANDARD ARMORED SURFACE

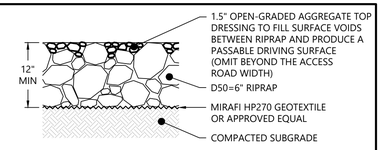
NOTES:

1. CHANNEL SIDE SLOPES MAY REQUIRE MODIFICATION TO CONSTRUCT THE ACCESS ROAD THROUGH THE CHANNEL TO MEET REQUIREMENTS OF CONSTRUCTION AND DELIVERY VEHICLES.
2. THE ACCESS ROAD SHALL CROSS THE CHANNEL AS CLOSE TO PERPENDICULAR AS POSSIBLE.
3. THE FINISHED ACCESS ROAD SURFACE SHALL BE AT AN ELEVATION THAT ALLOWS WATER TO FLOW THROUGH THE CHANNEL UNIMPEDED AND WITHOUT PONDING UPSTREAM OF ROAD OR ON THE ROAD SURFACE.
4. ARMORED SURFACE SHALL EXTEND THROUGH THE CHANNEL BOTTOM AND UP THE CHANNEL SIDE SLOPES TO THE OBSERVED TOP OF BANK OF THE CHANNEL, UNLESS OTHERWISE NOTED.
5. PERIMETER SEDIMENT CONTROL MAY CONSIST OF SILT FENCE, FIBERLOGS, WOOD MULCH BERMS, OR TOPSOIL BERMS. REFER TO APPROPRIATE DETAIL FOR INSTALLATION REQUIREMENTS.
6. STABILIZE DISTURBED GROUND IN ACCORDANCE WITH THE CONTRUCTION GENERAL PERMIT TXR150000.
7. CROSSING MAY BE INSTALLED DURING THE PROJECT RESTORATION PHASE. IF INSTALLED DURING CONSTRUCTION, MONITOR THE CROSSING FOR DAMAGE FROM CONSTRUCTION TRAFFIC. ADDITIONAL MAINTENANCE OR REPAIRS MAY BE REQUIRED.
8. PRIOR TO DISTURBANCE, CONTRACTOR SHALL MEASURE BOTTOM AND TOP WIDTH OF STREAM AT EACH CROSSING AT BOTH THE UPSTREAM AND DOWNSTREAM LIMITS OF CONSTRUCTION. PRE-CONSTRUCTION MEASUREMENTS ARE TO BE UTILIZED DURING RECLAIM OF THE CHANNEL AT EACH CROSSING.
9. ALL CROSSINGS WITHIN JURISDICTIONAL WATERS SHALL BE EMBEDDED PER THE NATIONWIDE PERMIT GENERAL CONDITIONS.

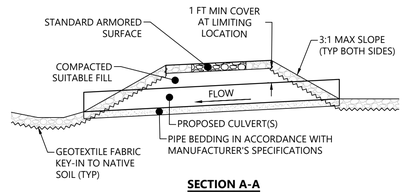
Westwood | STANDARD DUTY LOW WATER CROSSING | NOT TO SCALE | DN-01



ISOMETRIC VIEW



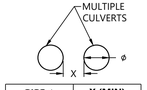
STANDARD ARMORED SURFACE



SECTION A-A

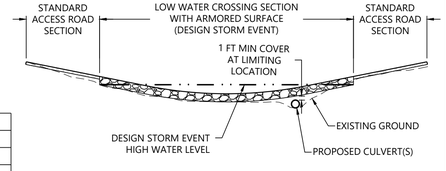
NOTES:

1. CULVERT INSTALLATION AND COMPACTION SHALL ADHERE TO MANUFACTURER'S RECOMMENDATIONS.
2. REFER TO DRAINAGE CROSSING SCHEDULE FOR SIZING. CULVERT SIZED TO HANDLE THE NUISANCE FLOW EVENT AND WILL OVERTOP DURING THE DESIGN STORM EVENT.
3. FIT CULVERT TO FIELD CONDITIONS.
4. MINIMIZE DISTURBANCE TO EXISTING CHANNEL/DITCH DURING CULVERT INSTALLATION.
5. CHANNEL SIDE SLOPES MAY REQUIRE MODIFICATION TO CONSTRUCT THE ACCESS ROAD THROUGH THE CHANNEL TO MEET REQUIREMENTS OF CONSTRUCTION AND DELIVERY VEHICLES.
6. THE ACCESS ROAD SHALL CROSS THE CHANNEL AS CLOSE TO PERPENDICULAR AS POSSIBLE.
7. THE FINISHED ACCESS ROAD SURFACE SHALL BE AT AN ELEVATION THAT MEETS CULVERT COVER REQUIREMENTS.
8. ARMORED SURFACE SHALL EXTEND THROUGH THE CHANNEL BOTTOM AND UP THE CHANNEL SIDE SLOPES TO THE OBSERVED TOP OF BANK OF THE CHANNEL, UNLESS OTHERWISE NOTED.
9. STABILIZE DISTURBED GROUND IN ACCORDANCE WITH THE NPDES PERMIT.
10. PERIMETER SEDIMENT CONTROLS MAY CONSIST OF SILT FENCE, FIBER LOGS, WOOD MULCH BERMS, OR TOPSOIL BERMS. REFER TO ASSOCIATED DETAIL(S) AND/OR NPDES PERMIT FOR ADDITIONAL DETAILS.
11. CROSSING MAY BE INSTALLED DURING THE PROJECT RESTORATION PHASE. IF INSTALLED DURING CONSTRUCTION, MONITOR THE CROSSING FOR DAMAGE FROM CONSTRUCTION TRAFFIC. ADDITIONAL MAINTENANCE OR REPAIRS MAY BE REQUIRED.



PIPE ø	X (MIN)
UP TO 24"	12"
24" TO 72"	ø/2
OVER 72"	36"

MULTI-PIPE SPACING



SECTION B-B

Westwood | LOW WATER CROSSING WITH CULVERT | NOT TO SCALE | DN-08

CROSSING SUMMARY TABLE

CROSSING ID	CULVERT							LOW WATER CROSSING		DETAIL REFERENCE	PLAN SHEET NUMBER	NOTES
	DIAMETER (IN)	LENGTH (FT)	INLET INVERT ELEVATION (FT)	OUTLET INVERT ELEVATION (FT)	SLOPE (%)	VELOCITY (FPS)	HEADWATER ELEVATION (FT)	TYPE	LENGTH (FT)			
DC-01	-	-	-	-	-	-	-	Standard Duty	60	DN-01	C-132-02	
DC-02	2-18"	50	891.25	891.0	1%	5.14	893.09	-	-	DN-03	C-132-02	
DC-03	-	-	-	-	-	-	-	Standard Duty	70	DN-01	C-132-04	
DC-04	-	-	-	-	-	-	-	Standard Duty	75	DN-01	C-132-04	
DC-05	-	-	-	-	-	-	-	Standard Duty	100	DN-01	C-132-12	
DC-08	-	-	-	-	-	-	-	Standard Duty	90	DN-01	C-132-09	
DC-09	2-18"	48	859.25	859.0	1%	5.90	863.28	Standard Duty	195	DN-08	C-132-06	Combination crossing
DC-11	-	-	-	-	-	-	-	Standard Duty	70	DN-01	C-132-06	
DC-12	-	-	-	-	-	-	-	Standard Duty	90	DN-01	C-132-06	
DC-14	1-36"	55	878.0	877.0	2%	6.25	880.26	-	-	DN-03	C-132-05	Connects basin K and J
DC-15	-	-	-	-	-	-	-	Standard Duty	50	DN-01	C-132-01	

REFER TO "2026-07-15 FLAT RUN SWMR" FOR DETAILS ON CROSSING SIZING.

ENTRANCE CROSSING SUMMARY TABLE

CROSSING ID	CULVERT							DETAIL REFERENCE	PLAN SHEET NUMBER	NOTES
	DIAMETER (IN)	LENGTH (FT)	INLET INVERT ELEVATION (FT)	OUTLET INVERT ELEVATION (FT)	SLOPE (%)	VELOCITY (FPS)	HEADWATER ELEVATION (FT)			
EC-05	1-18"	70	838.0	836.5	2%	3.07	838.59	DN-06	C-132-09	
EC-06	1-18"	120	891	882	8%	7.03	892.21	DC-06	C-132-05	
EC-07	1-18"	125	878.5	875.0	3%	5.41	880.00	DC-06	C-132-05	

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35445
07/15/26
LICENSED PROFESSIONAL ENGINEER

PREPARED FOR:

Discovery A GES COMPANY
3401 Ridgewood Dr.
Edmond, OK 73013

REVISIONS:

#	DATE	COMMENT	
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Flat Run Solar, LLC
Taylor County, KY

Construction Details - 6

ISSUED FOR CONSTRUCTION
DATE: 07/15/2026
SHEET: C-180-06 REV: 0

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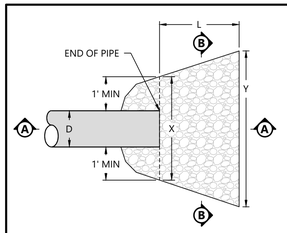
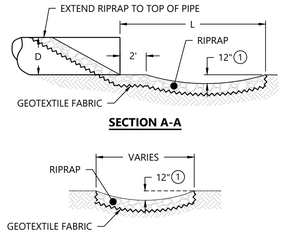


PLAN VIEW



SECTION A-A

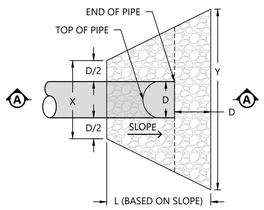
SECTION B-B

RIPRAP AT CULVERT OUTLETS						
PIPE DIAMETER (D)		L	X	Y	RIPRAP SIZE (D50)	RIPRAP DEPTH
(IN)	(FT)	(FT)	(FT)	(FT)	(IN)	(FT)
12	1	8	3	8	6	1
15	1.25	8	3.3	9	6	1
18	1.5	8	3.5	10	6	1
21	1.75	8	3.8	11	9	1.5
24	2	8	4	11	9	1.5
30	2.5	10	4.5	14	9	1.5
36	3	15	5	19	12	2
42	3.5	18	5.5	22	12	2
48	4	20	6	25	12	2
54	4.5	27	6.5	31.5	12	2
60	5	30	7	35	12	2
>60	>5	CONTACT ENGINEER FOR SPECIFIC DESIGN				

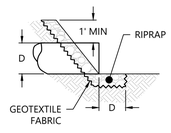
NOTES:

1. FOR PIPES GREATER OR EQUAL TO 30", USE 1.5'.
2. RIPRAP IS NOT REQUIRED AT CULVERTS 21" OR LESS IF THE CULVERT DRAINS INTO AN UNDISTURBED VEGETATED AREA (OR IF OUTLET IS STABILIZED WITH EROSION CONTROL BLANKET AND RAPID VEGETATION GROWTH IS ANTICIPATED).
3. RIPRAP SHALL BE INSTALLED AT ALL CULVERTS 24" THROUGH 60" PER THIS DETAIL, UNLESS APPROVED BY THE ENGINEER.
4. CONFIRM REQUIREMENTS IN PUBLIC RIGHT-OF-WAY WITH THE AUTHORITY HAVING JURISDICTION.
5. THE CONTRACTOR SHALL PLACE RIPRAP, PULVERIZED TOPSOIL, SEED AND WOODFIBER BLANKET IMMEDIATELY AFTER PIPE IS INSTALLED, EXTEND AREA TO MATCH UNDISTURBED SOIL.
6. DIMENSION "D" EQUALS INSIDE DIAMETER OF PIPE.
7. RIPRAP SHALL EXTEND THE ENTIRE WIDTH BETWEEN MULTIPLE CULVERTS.
8. RIPRAP MATERIAL SHALL MEET THE REQUIREMENTS OF THE LATEST EDITION OF THE FHWA STANDARD SPECIFICATIONS FP-14 SECTION 705.02. CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH SECTION 251.
9. ALL RIPRAP WITHIN JURISDICTIONAL WATERS SHALL BE EMBEDDED PER THE NATIONWIDE PERMIT GENERAL CONDITIONS.

Westwood | PERMANENT RIPRAP AT CULVERT OUTLETS | DN-30
NOT TO SCALE



PLAN VIEW



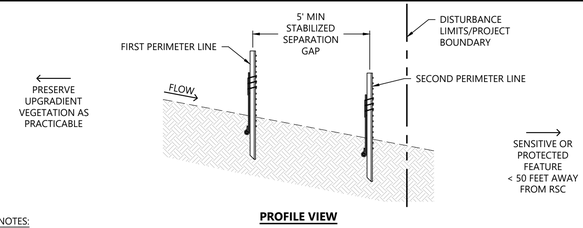
SECTION A-A

RIPRAP AT CULVERT INLETS								
PIPE DIAMETER (D)		L 1:1	L 2:1	L 3:1	X	Y	RIPRAP SIZE (D50)	RIPRAP DEPTH
(IN)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(IN)	(FT)
12	1	4	7	10	2	4	6	1
15	1.25	4.5	7.8	11	2.5	5	6	1
18	1.5	5	8.5	12	3	6	6	1
21	1.75	5.5	9.3	13	3.5	7	9	1.5
24	2	6	10	14	4	8	9	1.5
30	2.5	7	11.5	16	5	10	9	1.5
36	3	8	13	18	6	12	9	1.5
42	3.5	9	14.5	20	7	14	9	1.5
48	4	10	16	22	8	16	9	1.5
54	4.5	11	17.5	24	9	18	12	2
60	5	12	19	26	10	20	12	2
>60	>5	CONTACT ENGINEER FOR SPECIFIC DESIGN						

NOTES:

1. RIPRAP IS NOT REQUIRED AT CULVERTS 21" OR LESS, UNLESS SPECIFICALLY SHOWN ON THE PLANS.
2. RIPRAP SHALL BE INSTALLED AT ALL CULVERTS 24" THROUGH 60" PER THIS DETAIL, UNLESS APPROVED BY THE ENGINEER.
3. THE CONTRACTOR SHALL PLACE RIPRAP, PULVERIZED TOPSOIL, SEED AND WOODFIBER BLANKET IMMEDIATELY AFTER PIPE IS INSTALLED, EXTEND AREA TO MATCH UNDISTURBED SOIL.
4. CONFIRM REQUIREMENTS IN PUBLIC RIGHT-OF-WAY WITH THE AUTHORITY HAVING JURISDICTION.
5. DIMENSION "D" EQUALS INSIDE DIAMETER OF PIPE.
6. RIPRAP SHALL EXTEND THE ENTIRE WIDTH BETWEEN MULTIPLE CULVERTS.
7. RIPRAP MATERIAL SHALL MEET THE REQUIREMENTS OF THE LATEST EDITION OF THE FHWA STANDARD SPECIFICATIONS FP-14 SECTION 705.02. CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH SECTION 251.
8. ALL RIPRAP WITHIN JURISDICTIONAL WATERS SHALL BE EMBEDDED PER THE NATIONWIDE PERMIT GENERAL CONDITIONS.

Westwood | PERMANENT RIPRAP AT CULVERT INLETS | DN-31
NOT TO SCALE

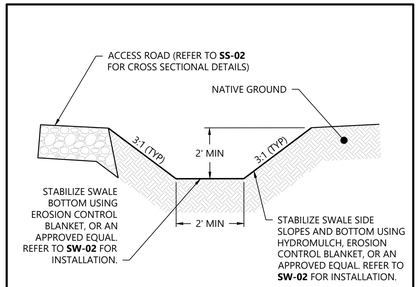


PROFILE VIEW

NOTES:

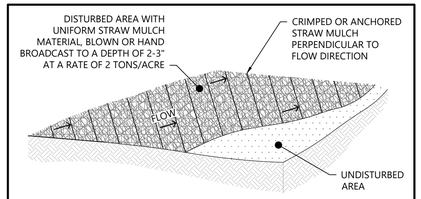
1. REDUNDANT PERIMETER SEDIMENT CONTROL (RSC) IS REQUIRED TO BE USED WHEN SOIL DISTURBANCE ACTIVITIES TAKE PLACE WITHIN THE 50' BUFFER OF A SENSITIVE OR PROTECTED FEATURE.
2. THE FIRST LINE (NEAREST THE LAND DISTURBANCE) OF PERIMETER SEDIMENT CONTROL SHOULD BE THE MOST ROBUST TO CONTAIN THE LARGEST LOAD OF DEBRIS, SEDIMENT AND SLOUGH IMPACTS.
3. THE TYPES OF REDUNDANT PERIMETER SEDIMENT CONTROLS SELECTED IS A FUNCTION OF THE TYPE OF WORK, WORK LIMITS, SLOPE STEEPNESS, SLOPE LENGTH, TIME OF YEAR AND ABILITY TO PROPERLY MAINTAIN AND MAY VARY ACROSS A PROJECT. THE IMAGE ABOVE IS A PICTORIAL REPRESENTATION ONLY, OTHER TYPES OF CONTROLS MAY BE USED.
4. STAGE AND PHASE DISTURBANCE TO THE SHORTEST PRACTICABLE TIME WHEN WORK ACTIVITIES ARE PLANNED NEAR SENSITIVE OR PROTECTED FEATURES.
5. ENSURE STABILIZATION OCCURS WITHIN THE NPDES PERMIT TIMEFRAMES AND AS RAPIDLY AS POSSIBLE NEAR SENSITIVE OR PROTECTED FEATURES.
6. INSPECT AND REPAIR PERIMETER SEDIMENT CONTROLS AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN ACCUMULATED TO **1/3 HEIGHT** OF THE CONTROL OR MORE.

Westwood | REDUNDANT PERIMETER SEDIMENT CONTROL | SW-91
NOT TO SCALE



ACCESS ROAD SIDE DITCH

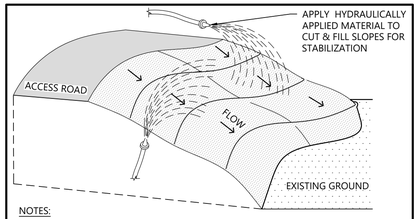
Westwood | ROAD SIDE DITCH | DN-20
NOT TO SCALE



NOTES:

1. APPLY STRAW MULCH AS SOON AS POSSIBLE AFTER LAND DISTURBING ACTIVITIES HAVE CEASED, EITHER TEMPORARILY OR PERMANENTLY.
2. STRAW MULCH CAN BE APPLIED BY HAND BROADCASTING OR MACHINE BLOWN ONTO THE SLOPE TO ACHIEVE UNIFORM COVER.
3. STRAW MULCH IS TYPICALLY SUITABLE FOR SLOPES 4:1 AND FLATTER. SLOPES STEEPER THAN 4:1 SHALL USE EROSION CONTROL BLANKET OR SUITABLE ALTERNATIVE.
4. STRAW MULCH SHALL NOT BE APPLIED TO AREAS OF CONCENTRATED FLOW.
5. TO INCREASE THE EFFECTIVENESS OF THE MULCH COVER AGAINST WIND AND WATER EROSION, ANCHORING MAY BE APPLIED, POTENTIAL METHODS INCLUDE:
   - 5.1. HAND PUNCHING - HAND TOOLS CAN BE USED TO PUNCH THE STRAW INTO THE GROUND UNTIL ALL AREAS HAVE STRAW STANDING PERPENDICULAR TO THE SLOPE AND EMBEDDED AT LEAST 4" INTO THE GROUND. IT SHOULD BE PUNCHED ABOUT 12" APART.
   - 5.2. ROLLER PUNCHING - A ROLLER EQUIPPED WITH STRAIGHT STUDS NOT LESS THAN 6" LONG, FROM 4-6" WIDE, AND APPROXIMATELY 1" THICK IS ROLLED OVER THE STRAW MULCH.
   - 5.3. TRACKING - A BULLDOZER OR OTHER EQUIPMENT WITH CLEATED TRACKS, IS USED TO PUSH THE STRAW INTO THE SOIL. USED ONLY ON SLOPES WHERE THIS TYPE OF EQUIPMENT CAN SAFELY OPERATE. TRACKING EQUIPMENT MUST OPERATE UP AND DOWN THE SLOPE SO THE CLEAT TRACKS ARE PERPENDICULAR TO FLOW.
   - 5.4. DISC ANCHORING/CRIMPER PUNCHING - DISC ANCHORING IS TYPICALLY PERFORMED WITH A TRACTOR AND TANDEM STRAIGHT DISK PLOW. DISK SPACING SHOULD BE BETWEEN 4-8" APART. WEIGHT CAN BE ADDED TO TOW PLOW, AS NECESSARY, TO FORCE THE STRAW MULCH INTO THE SOIL. DISKING SHOULD BE DONE IN TWO DIRECTIONS WITH THE FINAL PASS ACROSS THE SLOPE.
   - 5.5. NETTING - NETTING MAY BE USED TO SECURE APPLIED MULCH ON STEEPER SLOPES (> 4:1) WHERE MULCH CANNOT BE PUNCHED WITH A ROLLER OR BY HAND. JUTE, WOOD EXCELSIOR OR PLASTIC NETTING IS APPLIED OVER UNPUNCHED STRAW MULCH AND ANCHORED WITH SOD STAPLES.
   - 5.6. TACKIFIER - ON STEEP SLOPES (> 4:1), A TACKIFIER AGENT MAY BE USED TO BOND OR GLUE THE MULCH THAT HAS BEEN SEEDED AND DISK ANCHORED ON THE SLOPE. THIS METHOD INCREASES THE LONGEVITY AND EFFECTIVENESS AND MAY REDUCE THE NEED FOR EROSION CONTROL BLANKETS ON STEEP SLOPES, WHEN PROPERLY APPLIED.

Westwood | STRAW MULCH - APPLICATION AND ANCHORING METHODS | SW-80
NOT TO SCALE



NOTES:

1. REFER TO THE MANUFACTURER OR SUPPLIER OF THE PRODUCT FOR APPLICATION, IMPLEMENTATION, AND SPECIFICATION REQUIREMENTS.
2. ALL HYDRAULICALLY APPLIED MATERIAL SHALL BE APPROVED BY ALL JURISDICTIONS HAVING AUTHORITY.
3. APPLY HYDRAULICALLY APPLIED MATERIAL TO EXPOSED SOILS FOR STABILIZATION MEASURES. EXPOSED SOILS MAY INCLUDE ROUGH GRADED AREAS, SOIL STOCKPILES, CUT/FILL SLOPES, ETC.
4. PREPARE SOIL SURFACES IN ACCORDANCE WITH PLANNED SEED BED PREPARATION.
5. AVOID OVERSPRAY ONTO ROADS AND INFRASTRUCTURE.
6. APPLY TWO DIRECTIONS (90 DEGREES BETWEEN) TO ADEQUATELY COVER THE SOIL.
7. ALLOW ADEQUATE TIME FOR HYDRAULICALLY APPLIED MATERIAL TO DRY. HYDRAULICALLY APPLIED MATERIAL SHOULD NOT BE APPLIED IMMEDIATELY BEFORE, DURING OR IMMEDIATELY AFTER RAINFALL OR IF THE SOIL IS SATURATED.
8. APPLY SEED PRIOR TO HYDRAULICALLY APPLIED MATERIAL OR MIX SEED WITH HYDRAULICALLY APPLIED MATERIAL PRIOR TO APPLICATION.

Westwood | SLOPE STABILIZATION - HYDRAULICALLY APPLIED MATERIAL | SW-04
NOT TO SCALE

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STATE OF KENTUCKY
DAVID KELCHER
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07/15/26
LICENSED PROFESSIONAL ENGINEER

PREPARED FOR:

Discovery A GS COMPANY
3401 Ridgewood Dr.
Edmond, OK 73013

REVISIONS:

#	DATE	COMMENT	
0	07/15/2026	IFC Civil Design Plans	MPH ELS DFK

Flat Run Solar, LLC
Taylor County, KY

Construction Details - 7

ISSUED FOR CONSTRUCTION
DATE: 07/15/2026
SHEET: C-180-07
REV: 0

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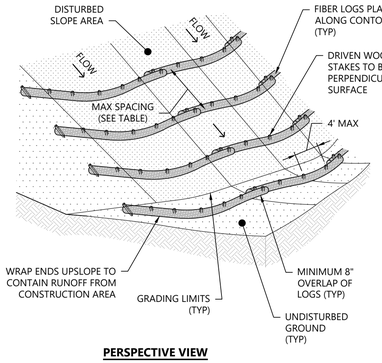
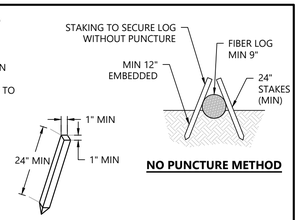
NOTES:

1. FIBER LOGS SHALL BE PREFABRICATED AND MADE FROM CERTIFIED STRAW, WOOD, COCONUT FIBER, OR SIMILAR AGRICULTURAL MATERIAL BOUND INTO A TIGHT TUBULAR LOG BY NETTING. USE A 9" DIA. LOG MINIMUM.
2. STAKE FIBER LOGS INTO THE TRENCH. DRIVE STAKES AT THE END OF EACH FIBER LOG AND SPACED 4 FEET MAXIMUM ON CENTER. USE WOOD STAKES WITH NOMINAL CLASSIFICATION OF 1" BY 1" AND A MINIMUM LENGTH OF 24".
3. PREPARE THE SLOPE BEFORE BEGINNING THE INSTALLATION.
4. DIG SMALL TRENCHES ACROSS THE SLOPE ON THE CONTOUR. THE TRENCH DEPTH SHOULD BE 1/4 TO 1/3 OF THE THICKNESS OF THE LOG, AND THE WIDTH SHOULD EQUAL THE LOG DIAMETER, IN ORDER TO PROVIDE AREA TO BACKFILL THE TRENCH.
5. LOGS SHALL BE INSTALLED PERPENDICULAR TO WATER MOVEMENT, AND PARALLEL TO THE SLOPE CONTOUR.
6. START BUILDING TRENCHES AND INSTALLING LOGS FROM THE BOTTOM OF THE SLOPE AND WORK UP.
7. TURN THE ENDS OF THE FIBER LOGS UP SLOPE TO PREVENT RUNOFF FROM GOING AROUND THE LOG.
8. IF MORE THAN ONE FIBER LOG IS PLACED IN A ROW, THE LOGS SHOULD BE OVERLAPPED, NOT ABUTTED.
9. FIBER LOGS ENCASED WITH PLASTIC NETTING ARE USED FOR A TEMPORARY APPLICATION ONLY AND SHOULD BE REMOVED FOLLOWING STABILIZATION. FIBER LOGS USED IN A PERMANENT APPLICATION SHALL BE ENCASED WITH A BIODEGRADABLE MATERIAL AND MAY BE LEFT IN.
10. TEMPORARY INSTALLATIONS SHOULD ONLY BE REMOVED WHEN UP GRADIENT AREAS ARE STABILIZED PER GENERAL PERMIT REQUIREMENTS, AND/OR POLLUTANT SOURCES NO LONGER PRESENT A HAZARD. BUT, THEY SHOULD ALSO BE REMOVED BEFORE VEGETATION BECOMES TOO MATURE SO THAT THE REMOVAL PROCESS DOES NOT DISTURB MORE SOIL AND VEGETATION THAN IS NECESSARY
11. FIBER LOGS MUST BE INSPECTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS FOR THE ASSOCIATED PROJECT TYPE AND RISK LEVEL. IT IS RECOMMENDED THAT A MINIMUM, THE BMPS BE INSPECTED WEEKLY, PRIOR TO FORECASTED RAIN EVENTS, DAILY DURING EXTENDED RAIN EVENTS, AND AFTER THE CONCLUSION OF RAIN EVENTS.
12. REPAIR OR REPLACE SPLIT, TORN, UNRAVELING, OR SLUMPING FIBER LOGS.
13. IF THE FIBER LOG IS USED AS A SEDIMENT CAPTURE DEVICE, OR AS AN EROSION CONTROL DEVICE TO MAINTAIN SHEET FLOWS, SEDIMENT THAT ACCUMULATES IN THE BMP SHOULD BE PERIODICALLY REMOVED IN ORDER TO MAINTAIN BMP EFFECTIVENESS. SEDIMENT SHOULD BE REMOVED WHEN SEDIMENT ACCUMULATION REACHES ONE-THIRD THE DESIGNATED SEDIMENT STORAGE DEPTH.
14. IF FIBER LOGS ARE USED FOR EROSION CONTROL, SEDIMENT REMOVAL SHOULD NOT BE REQUIRED AS LONG AS THE SYSTEM CONTINUES TO CONTROL THE GRADE. SEDIMENT CONTROL BMPS WILL LIKELY BE REQUIRE IN CONJUNCTION WITH THIS TYPE OF APPLICATION.
15. REPAIR ANY RILLS OR GULLIES PROMPTLY.



PERSPECTIVE VIEW



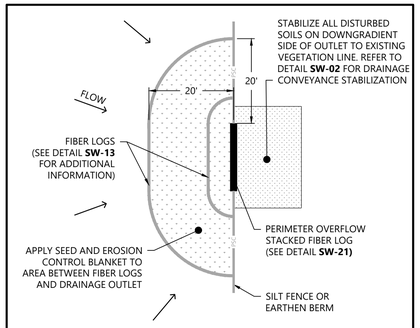
NO PUNCTURE METHOD

WOODEN STAKE

MAXIMUM SPACING RECOMMENDATIONS

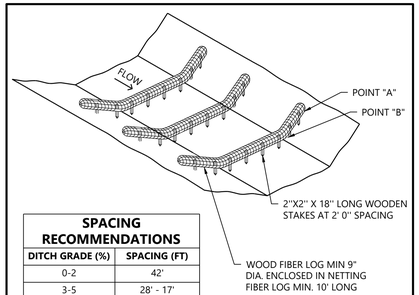
	FIBER LOG SIZE		
SLOPE	9" DIA.	12" DIA.	20" DIA.
≤4:1	40 FT	60 FT	80 FT
3:1	30 FT	45 FT	60 FT
2:1	20 FT	30 FT	40 FT
1:1	10 FT	15 FT	20 FT

Westwood | FIBER LOGS - SLOPE APPLICATION | NOT TO SCALE | SW-05



PLAN VIEW

Westwood | PERIMETER OVERFLOW BUFFER | NOT TO SCALE | SW-22



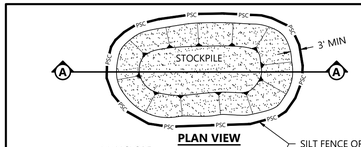
SPACING RECOMMENDATIONS

DITCH GRADE (%)	SPACING (FT)
0-2	42'
3-5	28' - 17'
6-9	14' - 9'

NOTES:

1. REFER TO THE NPDES PERMIT FOR REQUIREMENTS.
2. POINT "A" MUST BE HIGHER THAN POINT "B" TO ENSURE THAT WATER FLOWS OVER THE DIKE AND NOT AROUND THE ENDS.

Westwood | FIBER LOGS - DITCH APPLICATION | NOT TO SCALE | SW-06

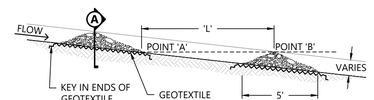


NOTES:

1. STOCKPILE SHALL BE FORMED IN A WIDE, LOW PROFILE FORMATION.
2. MAXIMUM HEIGHT SHALL BE 10 FEET TO PRESERVE QUALITY OF TOPSOIL MATERIAL.
3. SOIL STOCKPILES SHALL BE LOCATED ON SITE AND BE ENCLOSED WITH SILT FENCE OR OTHER APPROVED PERIMETER SEDIMENT CONTROL. IF THE SOIL IS TO REMAIN EXPOSED FOR MORE THAN 7 DAYS, TEMPORARY SOIL STABILIZATION BEST PRACTICES SHALL BE APPLIED IN ACCORDANCE WITH THE NPDES PERMIT.
4. STOCKPILES SHALL NOT BE PLACED WITHIN AREAS OF CONCENTRATED FLOW AND SHALL BE KEPT OUTSIDE OF AREAS WITH NEXT PHASE PLANNED ACTIVITIES.
5. ADEQUATE SETBACK SHALL BE PROVIDED FOR STOCKPILE PLACEMENT NEAR STEEP SLOPES AND AREAS OF CONCENTRATED FLOWS.
6. FOR LONG-TERM SUBSOIL STOCKPILES, STRIP THE TOPSOIL AT PLANNED SUBSOIL STOCKPILE LOCATION TO PRESERVE AND SPREAD OVER THE TOP OF THE STOCKPILE FOR SOIL STABILIZATION.

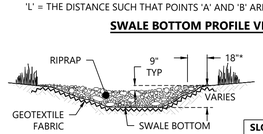
Westwood | SOIL STOCKPILE PROTECTION | NOT TO SCALE | SW-10

****ROCK CHECK SHALL BE USED WHERE NEEDED AS A FILTER MEDIA, OR WHERE EROSION CONTROL BLANKETS AND/OR FIBER LOGS DO NOT PROVIDE ADEQUATE EROSION AND SEDIMENT CONTROL.****



'L' = THE DISTANCE SUCH THAT POINTS 'A' AND 'B' ARE OF EQUAL ELEVATION.

SWALE BOTTOM PROFILE VIEW



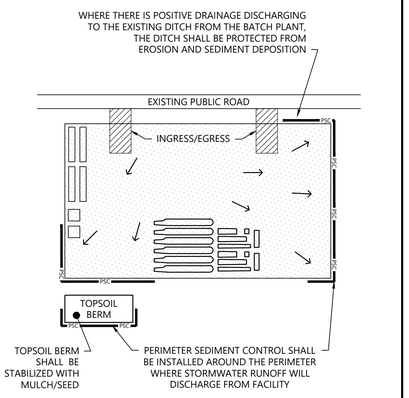
*KEY STONE INTO THE DITCH BANKS AND EXTEND IT BEYOND THE ABUTMENTS A MINIMUM OF 18" TO PREVENT OVER FLOW AROUND DAM.

CROSS SECTION A-A

SLOPE (%)	"L" (FT)	RIPRAP D50
<2	100	6"
3-5	67-40	6"
6-9	33-22	CONTACT ENGINEER

TABLE BASED ON A 24" DEPTH DITCH.

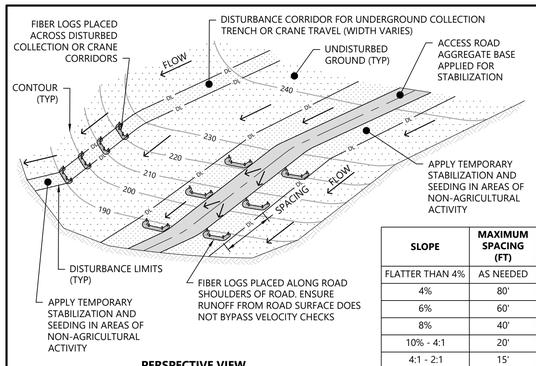
Westwood | TEMPORARY ROCK CHECK DAM | NOT TO SCALE | SW-31



NOTES:

1. REFER TO NPDES PERMIT FOR SPECIFICATIONS OF EROSION AND SEDIMENT CONTROL MEASURES.
2. ACTUAL SIZE AND CONFIGURATION OF FACILITY WILL VARY BY PROJECT SITE.
3. FLOW DIRECTION SHOWN IS ARBITRARY AND WILL VARY FROM SITE TO SITE, SHOWN IN TYPICAL DETAIL FOR GUIDANCE ON PROPER PERIMETER SEDIMENT CONTROL PLACEMENT.
4. ACTUAL LOCATION OF TEMPORARY TOPSOIL BERM(S) WILL VARY. LOCATION SHALL BE BASED ON ENGINEER GUIDANCE AND/OR CONTRACTOR DISCRETION.
5. PROVIDE ROCK CONSTRUCTION ENTRANCE AT ALL INGRESS/EGRESS LOCATIONS THAT CONNECT TO PAVED ROADS.

Westwood | TYPICAL LAYDOWN EROSION AND SEDIMENT CONTROL | NOT TO SCALE | SW-61



PERSPECTIVE VIEW

SLOPE	MAXIMUM SPACING (FT)
FLATTER THAN 4%	AS NEEDED
4%	80'
6%	60'
8%	40'
10% - 4:1	20'
4:1 - 2:1	15'
> 2:1	10'

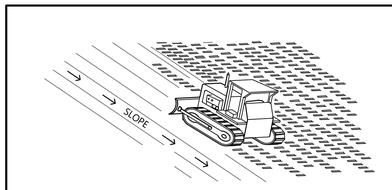
APPLICATION NOTES:

1. REFER TO THE NPDES PERMIT AND APPLICABLE STATE BMP MANUALS FOR IMPLEMENTATION AND TIMING REQUIREMENTS.
2. VELOCITY CHECKS SHALL BE INSTALLED IN AREAS WHERE A DISTURBANCE ACTIVITY IS NEAR PERPENDICULAR (±30°) TO THE CONTOURS AND RUNOFF FLOWS DOWN THE DISTURBANCE PATH. IF DISTURBANCE IS SLOPED TO ONE SIDE, APPLY VELOCITY CHECKS WITH J-HOOKS AT THE SPACING RECOMMENDED BELOW. SEE **SW-18** FOR DETAILS ON J-HOOKS.
3. ROAD APPLICATION: INSTALL VELOCITY CHECKS ACROSS DISTURBED SHOULDERS.
4. CRANE PATH APPLICATION: INSTALL VELOCITY CHECKS ACROSS THE CRANE PATH DISTURBANCE. REMOVE AND REPLACE FIBER LOGS FOR CRANE TRAVEL.
5. UNDERGROUND COLLECTION TRENCH APPLICATION: INSTALL VELOCITY CHECKS ACROSS DISTURBANCE PATH.
6. WHERE RILLING AND CHANNELIZATION OCCURS AND VELOCITY CHECKS FAIL TO PROVIDE ADEQUATE EROSION CONTROL, APPLICATION OF HYDROMULCH, STRAW MULCH OR EROSION CONTROL BLANKET (TEMPORARY STABILIZATION) MUST BE APPLIED AFTER SOIL PREPARATION TO REMEDY THE ISSUE.

INSTALLATION NOTES:

1. INSTALL VELOCITY CHECKS PER THE SPACING REQUIREMENTS ACCORDING TO THE SURFACE SLOPE DETAILED IN THE TABLE, AND ADJUST BASED ON FIELD CONDITIONS.
2. INSTALL VELOCITY CHECKS PARALLEL TO THE CONTOURS AND ACROSS DISTURBANCE CORRIDOR.
3. ELEVATIONS AT THE ENDS OF FIBER LOG NEED TO BE HIGHER THAN THE ELEVATION AT THE MIDDLE OF FIBER LOG. BOTH ENDS SHOULD HAVE A SMALL HOOK TO ENSURE THAT WATER FLOWS OVER THE FIBER LOG AND NOT AROUND THE ENDS.
4. SEE **SW-13** FOR INSTALLATION SPECIFICATIONS OF FIBER LOGS.

Westwood | VELOCITY CHECKS - FIBER LOGS | NOT TO SCALE | SW-07



NOTES:

1. LIMIT ROUGHENING WITH TRACKED MACHINERY TO SOILS WITH A SANDY TEXTURAL COMPONENT TO AVOID UNDUE COMPACTION OF THE SOIL SURFACE. TRACKING SOILS WITH HEAVY CLAY CONTENT CAN CAUSE COMPACTION AND SEAL THE SLOPE SOILS, INCREASING RUNOFF AND MAKING SEED GERMINATION DIFFICULT.
2. OPERATE TRACKED MACHINERY UP AND DOWN THE SLOPE TO LEAVE HORIZONTAL DEPRESSIONS IN THE SOIL. USE FOR SLOPES 4:1 AND STEEPER LONGER THAN 50 LINEAR FEET. DO NOT BACK-BLADE DURING THE FINAL GRADING OPERATION.
3. IMMEDIATELY SEED AND STABILIZE (MULCH OR HYDRO MULCH) ROUGHENED AREAS TO OBTAIN OPTIMUM SEED GERMINATION AND GROWTH.
4. RECOMMEND USE OF SLOPE INTERRUPTERS, SUCH AS FURROWS OR FIBER LOGS, ON LONG (> 50 FEET), STEEP (≥4:1) SLOPES.

Westwood | SLOPE ROUGHENING WITH TRACKED MACHINERY | NOT TO SCALE | SW-03

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Flat Run Solar, LLC
Taylor County, KY

Construction Details - 8

ISSUED FOR CONSTRUCTION
DATE: 07/15/2026
SHEET: C-180-08 REV: 0

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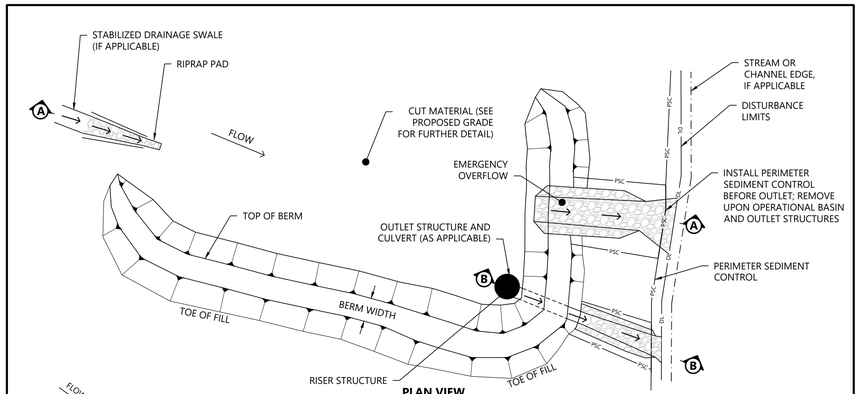
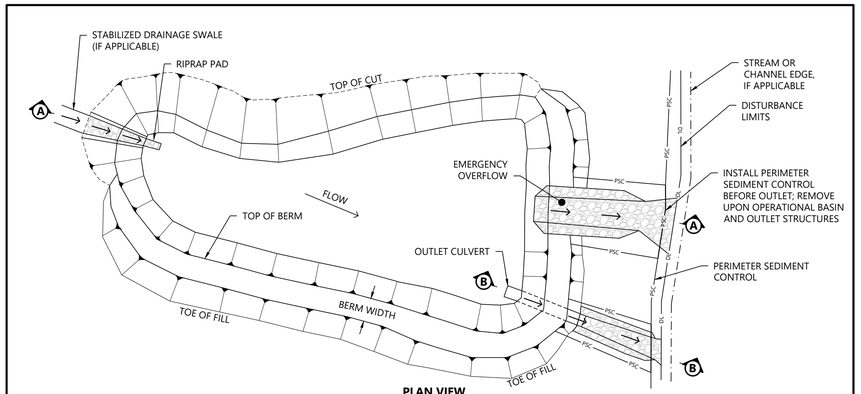


NOTES:

1. REFER TO BASIN SUMMARY TABLE BELOW FOR ELEVATIONS AND SIZES.
2. SEE PLANS FOR BASIN LOCATIONS.
3. ALL GRADED SLOPES SHALL BE A MAXIMUM 4H:1V UNLESS SHOWN OTHERWISE.
4. REFER TO NPDES PERMIT AND ESC PLAN FOR ADDITIONAL BASIN BMPS AND INSPECTION AND MAINTENANCE PROCEDURES.
5. THE CLEAN OUT VOLUME IS ONE HALF OF THE TOTAL STORAGE VOLUME. THE CLEAN OUT VOLUME SHALL BE CALCULATED AND MARKED WITH A STAKE IN THE FIELD.
6. IMMEDIATELY FOLLOWING BASIN CONSTRUCTION, THE SIDE SLOPES OF THE BASIN SHALL BE FULLY STABILIZED. TEMPORARY EROSION AND SEDIMENT CONTROL FEATURES SHALL REMAIN UNTIL PROJECT SITE IS FULLY STABILIZED AND THE BASIN IS RESTORED OR CONVERTED TO PERMANENT CONDITIONS.

Westwood | TEMPORARY SEDIMENTATION BASIN | NOT TO SCALE | DN-40



NOTES:

1. REFER TO BASIN SUMMARY TABLE BELOW FOR ELEVATIONS AND SIZES.
2. SEE PLANS FOR BASIN LOCATION.
3. ALL GRADED SLOPES SHALL BE A MAXIMUM-4H:1V UNLESS SHOWN OTHERWISE.
4. INSPECT AND MAINTAIN BASIN AND ITS STRUCTURES IN ACCORDANCE WITH THE OPERATIONS AND MAINTENANCE PLAN.
5. IMMEDIATELY FOLLOWING BASIN CONSTRUCTION, THE SIDE SLOPES OF THE BASIN SHALL BE FULLY STABILIZED. TEMPORARY EROSION AND SEDIMENT CONTROL FEATURES SHALL REMAIN UNTIL PROJECT SITE IS FULLY STABILIZED AND THE BASIN CONVERTED TO PERMANENT CONDITIONS.

Westwood | PERMANENT STORMWATER DETENTION BASIN | NOT TO SCALE | DN-41

BASIN SUMMARY TABLE

BASIN ID	BOTTOM ELEVATION (FT)	TOP ELEVATION (FT)	PRIMARY OUTLET				TEMP. RISER		TEMP. SPILLWAY (EOF)		PERM. SPILLWAY		TEMP. CLEAN OUT ELEVATION (FT)	TOTAL CONTRIBUTING AREA (AC)	TOTAL DISTURBED AREA (AC)	REQUIRED STORAGE VOLUME (AC-FT)	PROVIDED STORAGE VOLUME (AC-FT)	TEMP. DETAIL REFERENCE	PERM. DETAIL REFERENCE	SHEET NUMBER
			SIZE (IN)	INLET INVERT ELEVATION (FT)	OUTLET INVERT ELEVATION (FT)	LENGTH (FT)	ELEVATION (FT)	SIZE (IN)	ELEVATION (FT)	WIDTH (FT)	ELEVATION (FT)	WIDTH (FT)								
A	869.0	873.5	2-24"	869.0	868.3	40	871.5	2-36"	872.5	30	REMOVED		870.3	8.22	4.38	0.36	0.45	DN-40	-	C-132-01
D	884.0	889.0	3-24"	884.0	883.3	40	887.0	3-36"	888.0	30	REMOVED		885.5	13.90	7.93	0.66	0.91	DN-40	-	C-132-02
E	893.5	898.0	3-24"	893.5	893.1	40	896.0	3-36"	897.0	30	REMOVED		894.8	24.94	6.57	0.54	1.74	DN-40	-	C-132-02
F	901.0	905.5	2-24"	901.0	900.9	35	903.5	2-36"	904.5	30	REMOVED		902.3	11.45	5.70	0.47	0.90	DN-40	-	C-132-02
G	893.0	899.0	2-24"	893.0	892.2	50	896.5	2-36"	897.5	30	REMOVED		894.8	33.86	17.81	1.47	2.93	DN-40	-	C-132-07
H	893.0	898.0	2-24"	893.0	889.0	50	896.0	2-36"	897.0	30	REMOVED		894.5	10.03	5.13	0.42	0.63	DN-40	-	C-132-08
I	864.0	870.5	3-24"	864.0	862.6	55	868.0	3-36"	869.0	40	REMOVED		866.0	29.80	15.64	1.29	1.67	DN-40	-	C-132-06
J	877.0	881.0	1-18"	877.0	876.0	40	-	-	-	-	880.0		-		-	-	-	-	DN-41	C-132-05
K	878.0	882.0	1-36"	878.0	877.0	55	-	-	-	-	No Spillway		-		-	-	-	-	DN-41	C-132-05

REFER TO "2026-07-15 FLAT RUN SWMR" FOR DETAILS ON BASIN SIZING.

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REVISIONS:

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Flat Run Solar, LLC
Taylor County, KY

Construction Details - 9

ISSUED FOR CONSTRUCTION
DATE: 07/15/2026
SHEET: C-180-09 REV: 0

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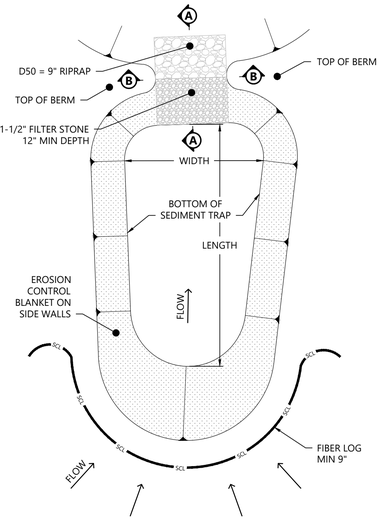
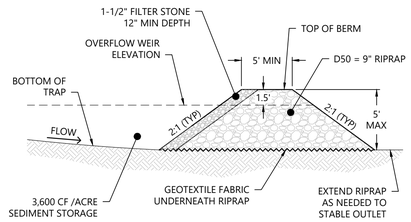
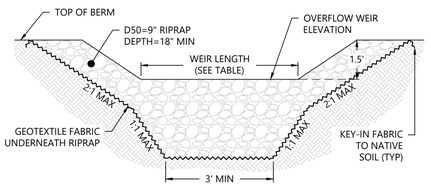


PLAN VIEW



SECTION A-A



SECTION B-B

NOTES:

1. RECOMMENDED FOR USE IN SOIL TYPES C/D ONLY.
2. FOR USE WITH DRAINAGE AREAS OF FIVE ACRES OR LESS, SEE PLANS FOR LOCATIONS.
3. A MINIMUM LENGTH TO WIDTH RATIO OF 2:1 IS RECOMMENDED. STABILIZE BERM, SIDE WALLS AND OUTLET IN ACCORDANCE WITH NPDES PERMIT PRIOR TO MASS GRADING OPERATIONS.
4. TOP OF BERM ELEVATION TO BE MAINTAINED ALONG BERM LOCATION EXCEPT AT RIPRAP WEIR OUTLET.
5. SEDIMENT TRAP BERMS TO BE INSPECTED AND MAINTAINED AFTER EACH RAIN EVENT.
6. IF BERM EXPERIENCES CONTINUOUS NECESSARY MAINTENANCE, ADDITIONAL CUT ON THE UPSTREAM SIDE OF THE BERM (AS FEASIBLE) CAN BE USED TO ENLARGE THE BERM.
7. THE CLEAN OUT VOLUME IS ONE HALF OF THE TOTAL STORAGE VOLUME. THE CLEAN OUT VOLUME SHALL BE CALCULATED AND MARKED WITH A STAKE IN THE FIELD.
8. PRIOR TO A FORECASTED RAIN EVENT, THE TRAP SHALL BE DE-WATERED AND CLEANED OUT FOR MAXIMUM EFFECTIVENESS.

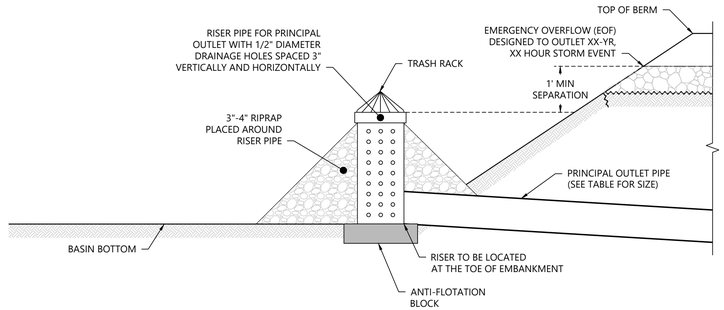
DRAINAGE AREA (AC)	WEIR LENGTH (FT)
1	4
2	6
3	8
4	10
5	12

Westwood	TEMPORARY SEDIMENT TRAP - C/D SOIL TYPES	SW-26
	NOT TO SCALE	

TRAP SUMMARY TABLE

TRAP ID	BOTTOM ELEVATION (FT)	TOP ELEVATION (FT)	SPILLWAY		CLEAN OUT DEPTH (FT)	TOTAL CONTRIBUTING AREA (AC)	TOTAL DISTURBED AREA (AC)	REQUIRED STORAGE VOLUME (AC-FT)	PROVIDED STORAGE VOLUME (AC-FT)	DETAIL REFERENCE	SHEET NUMBER
			ELEVATION (FT)	WIDTH (FT)							
B	875.0	879.5	878.0	10	1.00	7.35	3.58	0.30	0.30	SW-26	C-132-01
C	866.0	869.0	867.5	10	0.50	5.75	2.74	0.23	0.33	SW-26	C-132-06

REFER TO "2026-07-15 FLAT RUN SWMR" FOR DETAILS ON TRAP SIZING.



NOTES:

1. REFER TO BASIN SUMMARY TABLE ON SHEET C-180-08 FOR RISER SIZE AT BASIN(S).
2. REFER TO TEMPORARY RISER MANUFACTURER FOR DETAILS AND INSTALLATION SPECIFICATIONS.
3. DRAINAGE HOLES IN RISER PIPE SHALL BE PLACED INTO THE CONCAVE PORTION OF THE CORRUGATION.
4. INSPECT AND MAINTAIN IN ACCORDANCE WITH THE NPDES PERMIT.

Westwood	RISER POND OUTLET	DN-47
	NOT TO SCALE	

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DAVID
KELCHER
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07/15/26
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PROFESSIONAL ENGINEER

PREPARED FOR:

Discovery
A GS COMPANY

3401 Ridgewood Dr.
Edmond, OK 73013

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Taylor County, KY

Construction Details - 10

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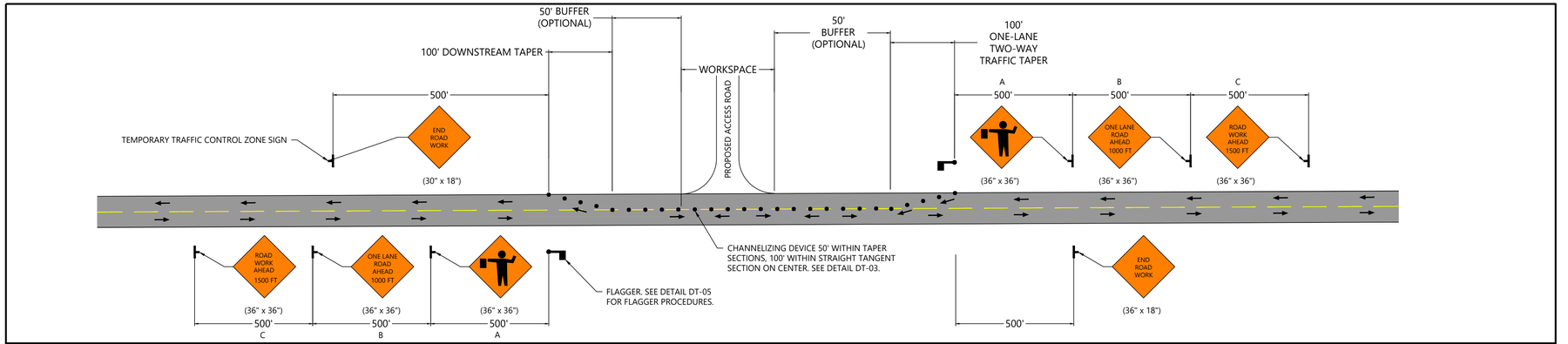
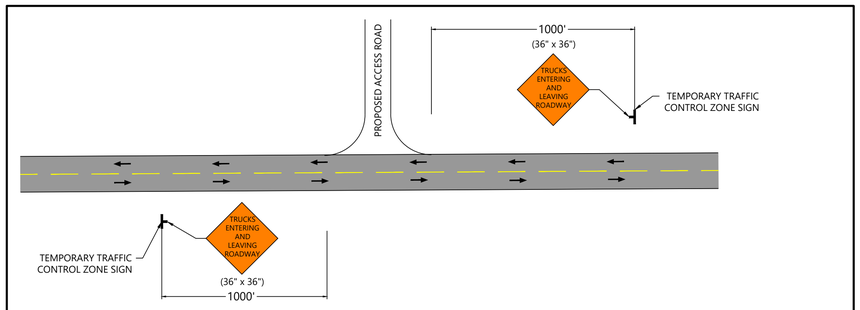
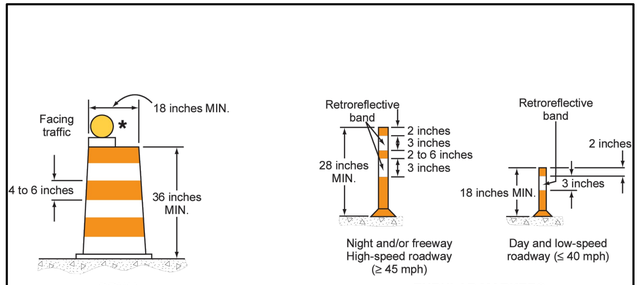


Westwood | TEMPORARY TRAFFIC CONTROL PLAN - ADVANCE WARNING AREA DURING ACCESS ROAD CONSTRUCTION | NOT TO SCALE | DT-01



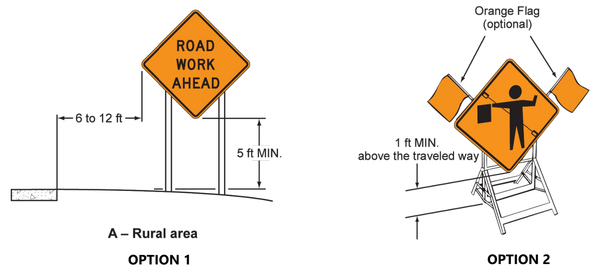
Westwood | TEMPORARY TRAFFIC CONTROL PLAN - ADVANCE WARNING AREA AFTER ACCESS ROAD CONSTRUCTION | NOT TO SCALE | DT-02

NOTE:
1. THE MINIMUM HEIGHT, MEASURED VERTICALLY FROM THE BOTTOM OF THE SIGN TO THE ELEVATION OF THE NEAR EDGE OF THE PAVEMENT, OF SIGNS INSTALLED AT THE SIDE OF THE ROAD SHALL BE 5' PER THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES 11TH EDITION (MUTCD) PART 6F.02.04. SEE DETAIL DT-04 OPTION 1.
2. SIGNS MOUNTED ON PORTABLE SIGN SUPPORTS THAT DO NOT MEET THE MINIMUM MOUNTING HEIGHTS PROVIDED IN NOTE 1 SHOULD NOT BE USED FOR A DURATION OF MORE THAN 3 DAYS PER MUTDC PART 6F.02.11. SEE DETAIL DT-04 OPTION 2.
3. ROADS SHALL BE OPEN FOR TRAFFIC FLOW AND SHALL NOT BE COMPLETELY BLOCKED OFF.
4. IF A ROAD CLOSURE IS REQUIRED DURING CONSTRUCTION THE CONTRACTOR SHALL CONTACT THE TOWN, STATE AND COUNTY TO ARRANGE A TRAFFIC CONTROL PLAN. THE CONTRACTOR SHALL GIVE THE TOWN NOTICE ABOUT CLOSURES FOR STATE AND COUNTY ROADS. CLOSURES OF TOWN ROADS SHALL BE GIVEN IN ACCORDANCE WITH THE TERMS OF THE ROAD USE AGREEMENT (RUA).
5. ALL SIGNS MUST MEET CRITERIA BASED ON MUTCD STANDARDS.
6. FLAGGER SIGNS AND ONE LANE ROAD AHEAD SIGNS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM ROAD USERS WHEN FLAGGING OPERATIONS ARE NOT OCCURRING.
7. CONSTRUCTION VEHICLES OR EQUIPMENT ARE NOT PERMITTED TO PARK OR IDLE AT PUBLIC ROADSIDE LOCATIONS FOR UNNECESSARY PERIODS OF TIME.
8. FLAGGERS SHALL USE APPROVED FLAGGING PROCEDURES IN ACCORDANCE WITH MUTCD PART 6D. FLAGGER CONTROL. SEE DETAIL DT-05.
9. IF THERE IS A SIDE ROAD INTERSECTION WITHIN THE WORK AREA, ADDITIONAL TRAFFIC CONTROL, SUCH AS FLAGGERS AND APPROPRIATE SIGNAGE, SHALL BE USED ON THE SIDE ROAD APPROACHES.
10. WORK ZONE IS MEANT FOR SHORT TERM WORK, 1-12 HOURS. IF ADDITIONAL TIME IS NECESSARY, CONTACT ENGINEER AND COUNTY.
11. DETAIL DT-01 IS BASED ON MUTCD FIGURE 6P-10. LANE CLOSURE ON A TWO-LANE ROAD USING FLAGGERS (TA- 10). SPACING FOR ADVANCED WARNING SIGNS BASED ON MUTCD TABLE 6B-1. SPACING FOR TAPER LENGTH IS BASED ON MUTCD TABLES 6B-3 AND 6B-4. SPACING FOR TAPER AND ADVANCED WARNING SIGNS BASED ON RURAL ROAD TYPE AND A SPEED LIMIT OF 35 MPH. IF ROAD TYPE OR POSTED SPEED LIMIT DIFFERS, REFER TO MUTCD TABLES 6B-1, 6B-3, AND 6B-4 FOR ADDITIONAL SPACING REQUIREMENT.S



NOTES:
1. DRUM AND TUBULAR MARKERS FIGURES FROM MUTCD FIGURE 6K-1.
2. CONTRACTOR TO FOLLOW REQUIREMENTS SET FORTH BY MUTCD CHAPTER 6K. TTC ZONE CHANNELIZING DEVICES.
3. ALL CHANNELIZING DEVICES SHALL MEET AASHTO MANUAL FOR ASSESSING SAFETY HARDWARE (MASH) REQUIREMENTS.

Westwood | TEMPORARY CHANNELIZING DEVICES | NOT TO SCALE | DT-03



NOTES:
1. SIGN OPTION 1 AND SIGN OPTION 2 FIGURES FROM MUTCD FIGURES 6F-1 AND 6F-2.
2. CONTRACTOR TO FOLLOW REQUIREMENTS SET FORTH BY MUTCD CHAPTER 6F. TEMPORARY TRAFFIC CONTROL ZONE SIGNS - GENERAL.
3. WHEN WORK IS SUSPENDED FOR SHORT PERIODS, ALL SIGNS SHALL BE REMOVED, COVERED, TURNED, OR LAID FLAT SO THEY ARE NO LONGER VISIBLE TO DRIVERS. SIGNS LAID FLAT SHOULD NOT BE PLACED SUCH THAT POSTS PRESENT A DANGER TO MOTORIST IF THEY RUN OVER THE SIGN.

Westwood | SIGNAGE PLACEMENT OPTIONS | NOT TO SCALE | DT-04

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Flat Run Solar, LLC
Taylor County, KY

Construction Details - 11

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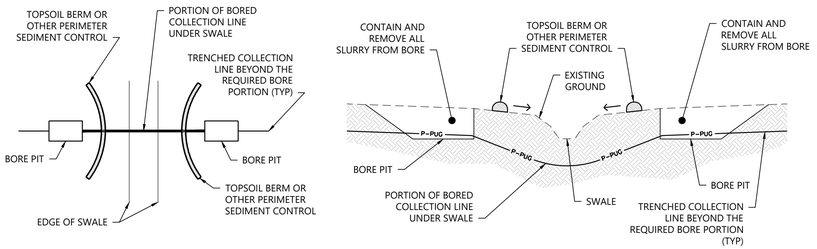
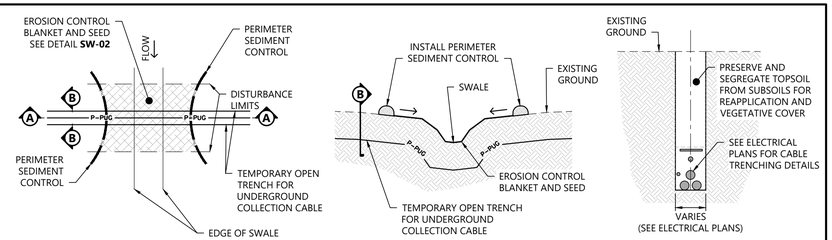


PLAN VIEW **PROFILE VIEW**

NOTES:

1. AVOID DISTURBANCE TO THE SWALE DURING CONSTRUCTION.
2. REFER TO PROJECT SPCC PLAN FOR ADDITIONAL REQUIREMENTS.
3. CONSTRUCT TOPSOIL BERM TO PROTECT EXISTING SWALE WHERE BORING WILL OCCUR FOR UNDERGROUND COLLECTION SYSTEM INSTALLATION.
4. ADDITIONAL SOILS SHALL BE STOCKPILED ADJACENT TO THE BORE PIT AND PROTECTED WITH PERIMETER SEDIMENT CONTROL.
5. ALTERNATE PERIMETER SEDIMENT CONTROLS MAY CONSIST OF SILT FENCE, FIBER LOGS, OR WOOD MULCH BERMS. REFER TO APPROPRIATE DETAILS FOR INSTALLATION REQUIREMENTS.
6. REDUNDANT PERIMETER SEDIMENT CONTROLS ARE REQUIRED WITHIN 50' OF A WETLAND OR SURFACE WATER.
7. UPON REMOVAL OF THE BORE PITS, THE DISTURBED AREAS SHALL BE RESTORED TO NATIVE CONDITIONS. REFER TO THE NPDES PERMIT.

Westwood	POWER COLLECTION SYSTEM CROSSING OF EXISTING SWALE - BORE PIT	NOT TO SCALE	SW-65

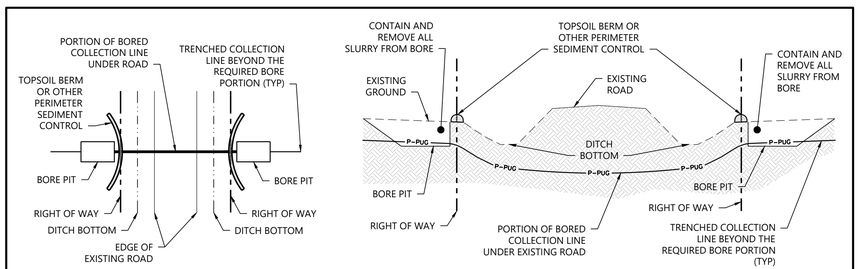


PLAN VIEW **SECTION A-A** **SECTION B-B**

NOTES:

1. MINIMIZE DISTURBANCE TO THE SWALE DURING CONSTRUCTION.
2. REFER TO PROJECT SPCC PLAN FOR ADDITIONAL REQUIREMENTS.
3. SOILS SHALL BE STOCKPILED ADJACENT TO THE TRENCH, OUTSIDE OF THE SWALE AREA, AND PROTECTED WITH PERIMETER SEDIMENT CONTROL.
4. PERIMETER SEDIMENT CONTROLS MAY CONSIST OF SILT FENCE, FIBER LOGS, WOOD MULCH BERMS, OR TOPSOIL BERMS. REFER TO DETAILS FOR INSTALLATION REQUIREMENTS.
5. REDUNDANT PERIMETER SEDIMENT CONTROLS ARE REQUIRED WITHIN 50' OF A WETLAND OR SURFACE WATER.
6. TRENCHING, CABLING, BACKFILL OF TRENCH, AND PLACEMENT OF EROSION CONTROL BLANKET AND SEED SHALL BE SAME DAY WITHIN CHANNEL FROM TOP OF BANK TO TOP OF BANK.
7. CONTRACTOR SHALL SCHEDULE OPEN TRENCHING DURING DRY CONDITIONS AND FORECASTED DRY PERIOD. EROSION AND SEDIMENT CONTROL BMPS MUST BE STOCKPILED ON SITE AND AVAILABLE FOR APPLICATION UPON WORK STARTING.
8. THE DISTURBED AREAS SHALL BE RESTORED TO NATIVE CONDITIONS. REFER TO THE NPDES PERMIT.

Westwood	POWER COLLECTION SYSTEM CROSSING OF EXISTING SWALE - OPEN TRENCH	NOT TO SCALE	SW-66



PLAN VIEW **PROFILE VIEW**

NOTES:

1. AVOID DISTURBANCE WITHIN THE RIGHT OF WAY, DITCH AND EXISTING ROAD AREAS.
2. REFER TO PROJECT SPCC PLAN FOR ADDITIONAL REQUIREMENTS.
3. CONSTRUCT TOPSOIL BERM TO PROTECT EXISTING SWALE WHERE BORING WILL OCCUR FOR UNDERGROUND COLLECTION SYSTEM INSTALLATION.
4. ADDITIONAL SOILS SHALL BE STOCKPILED ADJACENT TO THE BORE PIT AND PROTECTED WITH PERIMETER SEDIMENT CONTROL.
5. ALTERNATE PERIMETER SEDIMENT CONTROLS MAY CONSIST OF SILT FENCE, FIBER LOGS, OR WOOD MULCH BERMS. REFER TO APPROPRIATE DETAILS FOR INSTALLATION REQUIREMENTS.
6. REDUNDANT PERIMETER SEDIMENT CONTROLS ARE REQUIRED WITHIN 50' OF A WETLAND OR SURFACE WATER.
7. UPON REMOVAL OF THE BORE PITS, THE DISTURBED AREAS SHALL BE RESTORED TO NATIVE CONDITIONS. REFER TO THE NPDES PERMIT.

Westwood	POWER COLLECTION SYSTEM CROSSING OF EXISTING ROAD - BORE PIT	NOT TO SCALE	SW-67

INVERTER SCHEDULE			
INVERTER ID	EXISTING GRADE (FT)	100 YR FLOOD DEPTH (FT)	PROPOSED TOP OF PILE (FT)
11INV01	866.58	0.1	867.18
12INV01	880.98	0.03	881.51
11INV02	887.87	0.07	888.44
12INV02	856.85	0.15	857.5
11INV03	892.67	0.08	893.25
12INV03	883.29	0.13	883.92
11INV04	896.36	0.07	896.93
12INV04	886.11	0.08	886.69
11INV05	908.2	0.06	908.76
12INV05	908.71	0.06	909.27
11INV06	925.37	0.08	925.95
12INV06	911.84	0.07	912.41
11INV07	912.01	0.18	912.69
12INV07	906.66	0.06	907.22

NOTE:
ALL INVERTER TOP OF PILE DESIGNED TO BE 6" ABOVE 100 YEAR 24 HOUR STORM EVENT. W SECTION PILE WAS MODELED TO BE PLACED ON TOP OF THOSE PILES, ADDING AN ADDITIONAL ASSUMED 8". REFER TO SUNGROW INVERTER SPECIFICATIONS AND DETAILS FOR SECTION SIZE OF SKID FRAME PILE. TOTAL FREEBOARD COMES TO 14" PER ASSUMPTION OF W8 SECTION.

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Flat Run Solar, LLC
Taylor County, KY

Construction Details - 12

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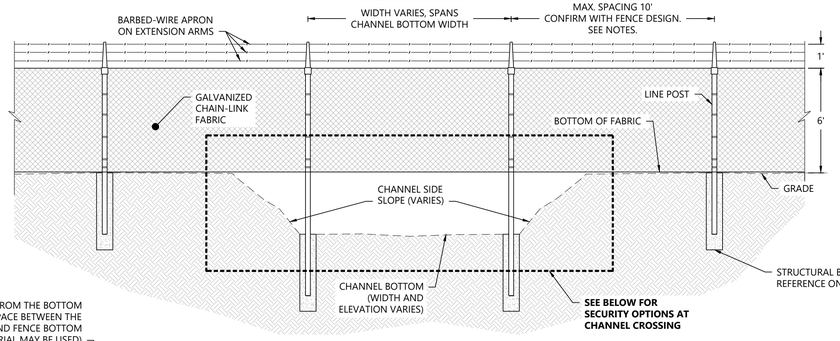
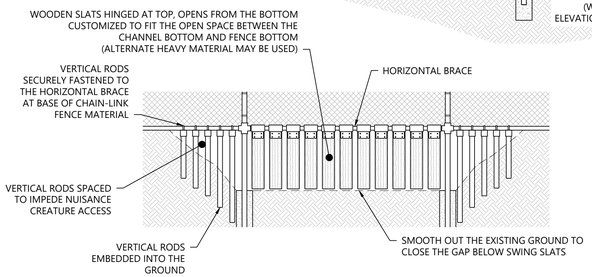
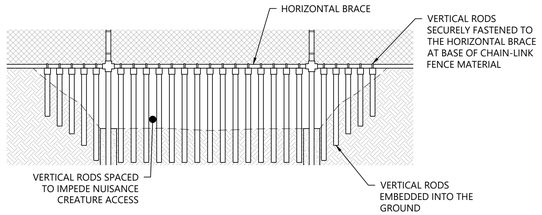
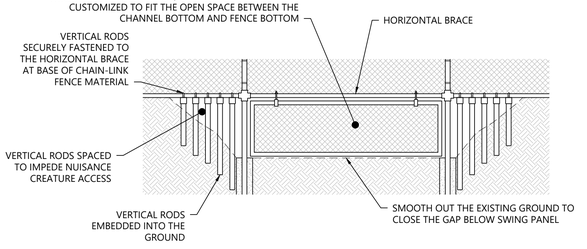




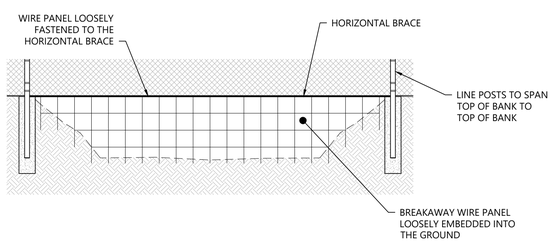
OPTION A - FREE SWINGING SLATS



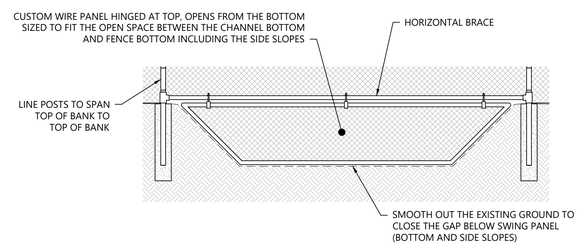
OPTION B - VERTICAL RODS



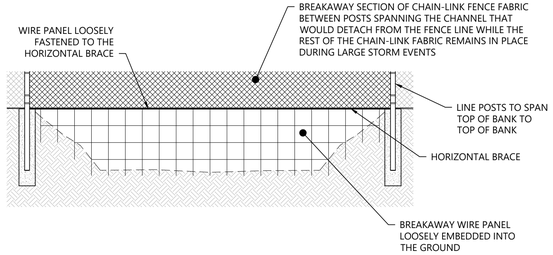
OPTION C - FREE SWINGING WIRE PANEL



OPTION D - WIRE PANEL EMBEDDED INTO GROUND



OPTION E - CUSTOM FREE SWINGING WIRE PANEL



OPTION F - WIRE PANEL EMBEDDED INTO GROUND WITH BREAKAWAY CHAIN-LINK FENCE

NOTES:

1. **THIS DETAIL PRESENTS SCHEMATIC OPTIONS FOR A SECURITY FENCE CROSSING OVER A DRAINAGE CHANNEL, INTENDED FOR PLANNING PURPOSES ONLY. DESIGN, CONFIGURATION AND INSTALLATION SHALL ADHERE TO MANUFACTURER'S RECOMMENDATIONS, WHEN APPLICABLE.**
2. WHEN CROSSING WATERS OF THE US (WOTUS) OR OTHER JURISDICTIONAL FEATURES, ADDITIONAL CONSIDERATIONS MAY BE APPLICABLE. REVIEW ALL PERMITS PRIOR TO CONSTRUCTION OF FENCE ACROSS DRAINAGE CHANNEL.
3. SEE NOTES ON DETAIL **FN-01**.
4. MULTIPLE SWING PANELS MAY BE NEEDED FOR DRAINAGE CHANNELS WITH WIDER BOTTOMS.
5. SECURITY OPTIONS FOR CHANNEL CROSSINGS SHOWN MAY REQUIRE SPECIAL FABRICATION.
6. NUMBER OF HINGES/FASTENERS MAY VARY DEPENDING ON PANEL WIDTH. REFER TO FENCE SUPPLIER FOR RECOMMENDATIONS.
7. SECURITY FENCE CROSSINGS WILL NEED INSPECTION AND MAINTENANCE AFTER RAINFALL EVENTS. CONTRACTOR AND OPERATIONS TEAM TO CLEAR OUT DEBRIS AND FIX SCOUR AS REQUIRED.

Westwood	CHAIN-LINK SECURITY FENCE ACROSS DRAINAGE CHANNEL (CONCEPTUAL) NOT TO SCALE	FN-07

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Construction Details - 13

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ESTIMATED PROJECT QUANTITIES

ITEM	QUANTITY	UNITS	NOTES
36" CORRUGATED METAL PIPE	1	EA	TO BE USED FOR ACCESS ROAD DRAINAGE CROSSINGS, PERMANENT DETENTION BASIN
18" CORRUGATED METAL PIPE	7	EA	
12" CORRUGATED METAL PIPE	2	EA	
24" HDPE CULVERTS	17	EA	TO BE USED IN TEMPORARY SEDIMENT BASINS
SECURITY FENCE (SOLAR ARRAY)	5907	LF	
SECURITY FENCE (SUBSTATION)	825	LF	
WILDLIFE FENCE	25105	LF	
16' ROAD	20450	LF	
20' ROAD	339	LF	
DENSE GRADED AGGREGATE 16' ROAD	12434	TN	KYTC DGA UNIT WEIGHT = 152PCF, 6" THICKNESS
#3 STONE 16' ROAD	8589	TN	KYTC #3 STONE UNIT WEIGHT = 105PCF, 6" THICKNESS
DENSE GRADED AGGREGATE 20' ROAD	258	TN	KYTC DGA UNIT WEIGHT = 152PCF, 6" THICKNESS
#3 STONE 20' ROAD	178	TN	KYTC #3 STONE UNIT WEIGHT = 105PCF, 6" THICKNESS
DENSE GRADED AGGREGATE LAYDOWN YARD	3311	TN	KYTC DGA UNIT WEIGHT = 152PCF, 4" THICKNESS (ONLY ACCOUNTING FOR WESTWOOD DESIGNED LAYDOWN YARDS)
#3 STONE LAYDOWN YARD	3465	TN	KYTC #3 STONE UNIT WEIGHT = 105PCF, 6" THICKNESS (ONLY ACCOUNTING FOR WESTWOOD DESIGNED LAYDOWN YARDS)
FABRIC UNDER ROAD	37109	SY	MIRAFI HP270 GEOTEXTILE FABRIC
FABRIC UNDER LAYDOWN YARD	14667	SY	MIRAFI HP270 GEOTEXTILE FABRIC (ONLY ACCOUNTING FOR WESTWOOD DESIGNED LAYDOWN YARDS)
SILT FENCE	41763	LF	
REMOVE EXISTING BARBED WIRE FENCE	10180	LF	
SITE ENTRANCE	7	EA	
INVERTER PAD AGGREGATE	14	EA	
SEDIMENT CONTROL LOG	10440	LF	IN KNOWN DISTURBANCE AREAS
POTENTIAL SEDIMENT CONTROL LOG	49014	LF	IN ASSUMED DISTURBANCE AREAS
WATER BARS	6	EA	CONTRACTOR TO ADD ADDITIONAL WATER BARS IF ROADS CONDITIONS WORSEN, AS NEEDED
ROCK CHECK DAMS	8	EA	
EROSION CONTROL BLANKET	8179	SY	HYDROMULCH OR EQUIVALENT MAY BE USED IN LIEU OF ECB ALONG SIDE SLOPES OF BASINS & SWALES.
DRAINAGE OVERFLOW (EOF, RIP RAP AT CULVERT INLET/OUTLET)	39	EA	SIZE WILL VARY
TEMPORARY SEDIMENT TRAPS	2	EA	
TEMPORARY SEDIMENT BASINS	7	EA	
PERMANENT DETENTION BASINS	2	EA	
DIVERSION SWALE	3699	LF	ACCOUNTING FOR SUBSTATION, TEMPORARY DIVERSION SWALES, AND PERMANENT DIVERSION SWALES.
VEHICLE TRACKING PAD	7	EA	1 PER SITE ENTRANCE
SILT FENCE STACKED FIBER LOG OVERFLOW	36	EA	CONTRACTOR TO ADD ADDITIONAL STACKED FIBER LOG OVERFLOWS IF SILT FENCE STABILITY WEAKENS, AS NEEDED
12" COMPOST FILTER SOCK	5471	LF	
POLLINATOR SEEDING	2	AC	
SEEDING AND STRAW MULCHING	31	AC	ON ARRAY GRADING, ROAD TIE IN SLOPES, AND COLLECTION LINE TRENCHING
SEEDING AND HYDRO MULCHING	7	AC	ON BASIN BERMS AND FACILITY PAD TIE IN SLOPE
DRAINAGE CROSSINGS	15	EA	
TREE CLEAR & GRUBBING	10	AC	ALL TREE CLEARING AND GRUBBING AREAS SHALL BE STABILIZED WITH MULCH, HYDRO MULCH, OR AN EQUIVALENT
TREE FELLING	3	AC	NO GROUND DISTURBANCE

IFC QUANTITY NOTES

1. ALL QUANTITIES MAY VARY BASED ON IN-FIELD CONDITIONS.
2. QUANTITIES DO NOT INCLUDE TEMPORARY BMP'S FOR STOCKPILES.
3. CONTRACTOR TO MODIFY MULTIPLIERS TO BEST FIT CONSTRUCTION SEQUENCING PLAN, RISK MITIGATION, AND POTENTIAL VEHICLE/EQUIPMENT DISTURBANCE.
4. ALL BASIN SIDE SLOPES SHALL BE STABILIZED. HYDROMULCH AND/OR EROSION CONTROL BLANKET QUANTITIES ARE SUBJECT TO CHANGE.
5. ADDITIONAL BMP'S SUCH AS ROCK CHECK DAMS, WATTLES, OR GRADE BREAKS MAY BE IMPLEMENTED ON SITE IF CONDITIONS WORSEN. CONTRACTOR TO MODIFY MULTIPLIERS TO BEST FIT CONSTRUCTION SEQUENCING PLAN.

ESTIMATED EARTHWORK QUANTITIES

ITEM	BANK CUT (CY)	ADJUSTED CUT (CY)	FILL (CY)	NET (CY)	NOTES
SOLAR ARRAY GRADING	2561	2328	2487	(159)	SHRINKAGE FACTOR: 10%
STORMWATER GRADING	12754	11595	8529	3,066	
SUBSTATION PAD GRADING	1702	1547	8757	(7,210)	
INVERTER SKID GRADING	0	0	380	(380)	
ACCESS ROAD GRADING	3271	2974	3112	(138)	
POLLINATOR AREA	6366	5787	0	5,787	
TOTAL	26654	24231	23265	966	

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Discovery A GS COMPANY
3401 Ridgewood Dr.
Edmond, OK 73013

REVISIONS:

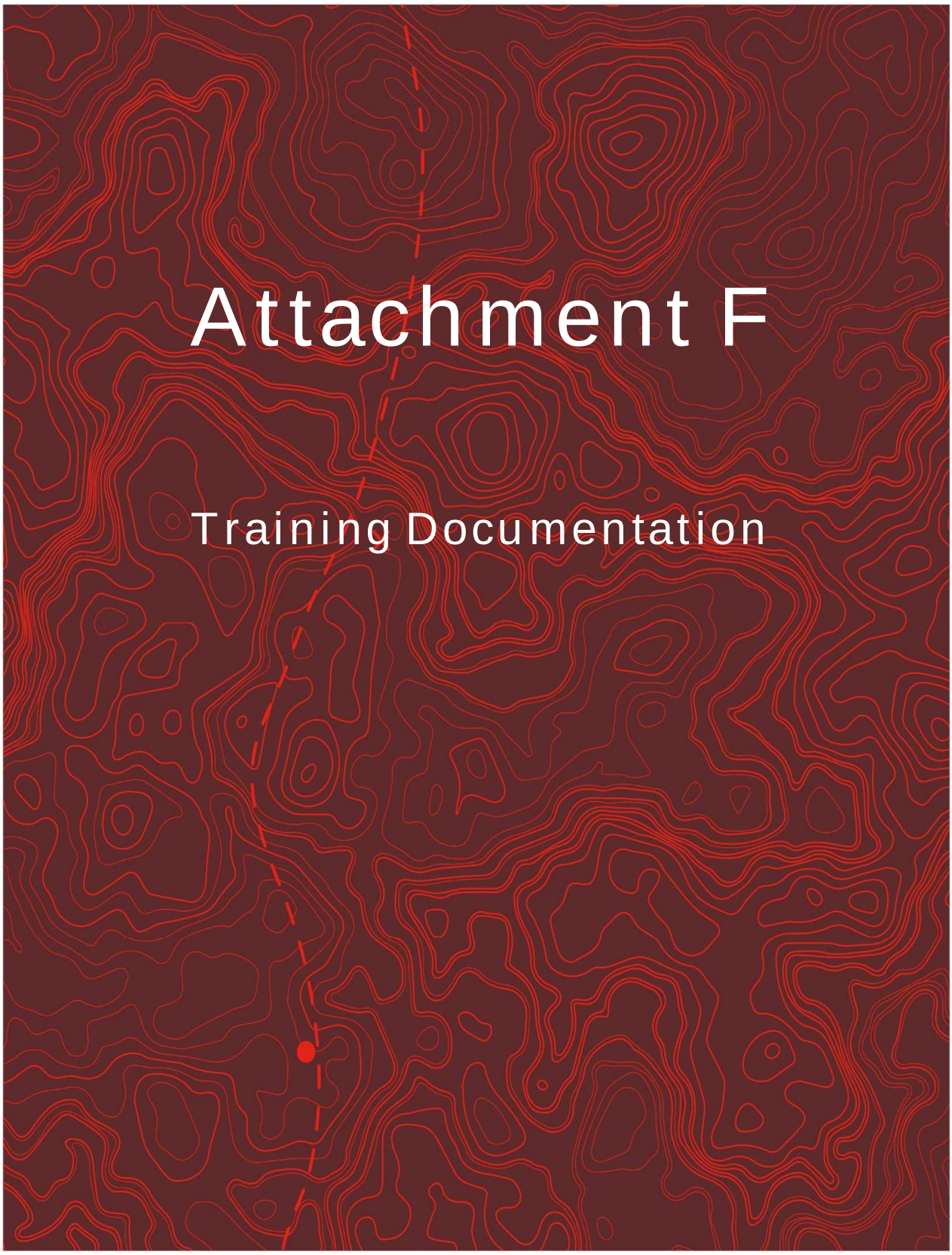
#	DATE	COMMENT	BY	CHK	APR
0	07/15/2026	IFC Civil Design Plans	MPH	ELS	DFK

Flat Run Solar, LLC
Taylor County, KY

Bill of Material

ISSUED FOR CONSTRUCTION
DATE: 07/15/2026
SHEET: C-900-01
REV: 0

I:\2026\01\CIV\CAD\Construction\C-900.dwg, 7/15/2026 4:38 PM, Michael Hudson


Attachment F
Training Documentation

Stormwater Pollution Prevention Training Log

Project Name:

Project Location:

Instructor's Name(s):

Instructor's Title(s):

Course Location:

Date of Course:

Course Length(hours):

Stormwater Training Topic: *(check as appropriate)*

- ❑ Sediment and Erosion Controls
- ❑ Emergency Procedures
- ❑ Stabilization Controls
- ❑ Inspections/Corrective Actions
- ❑ Pollution Prevention Measures
- ❑ Stormwater Runoff Sampling

Specific Training Objective(s):

_____

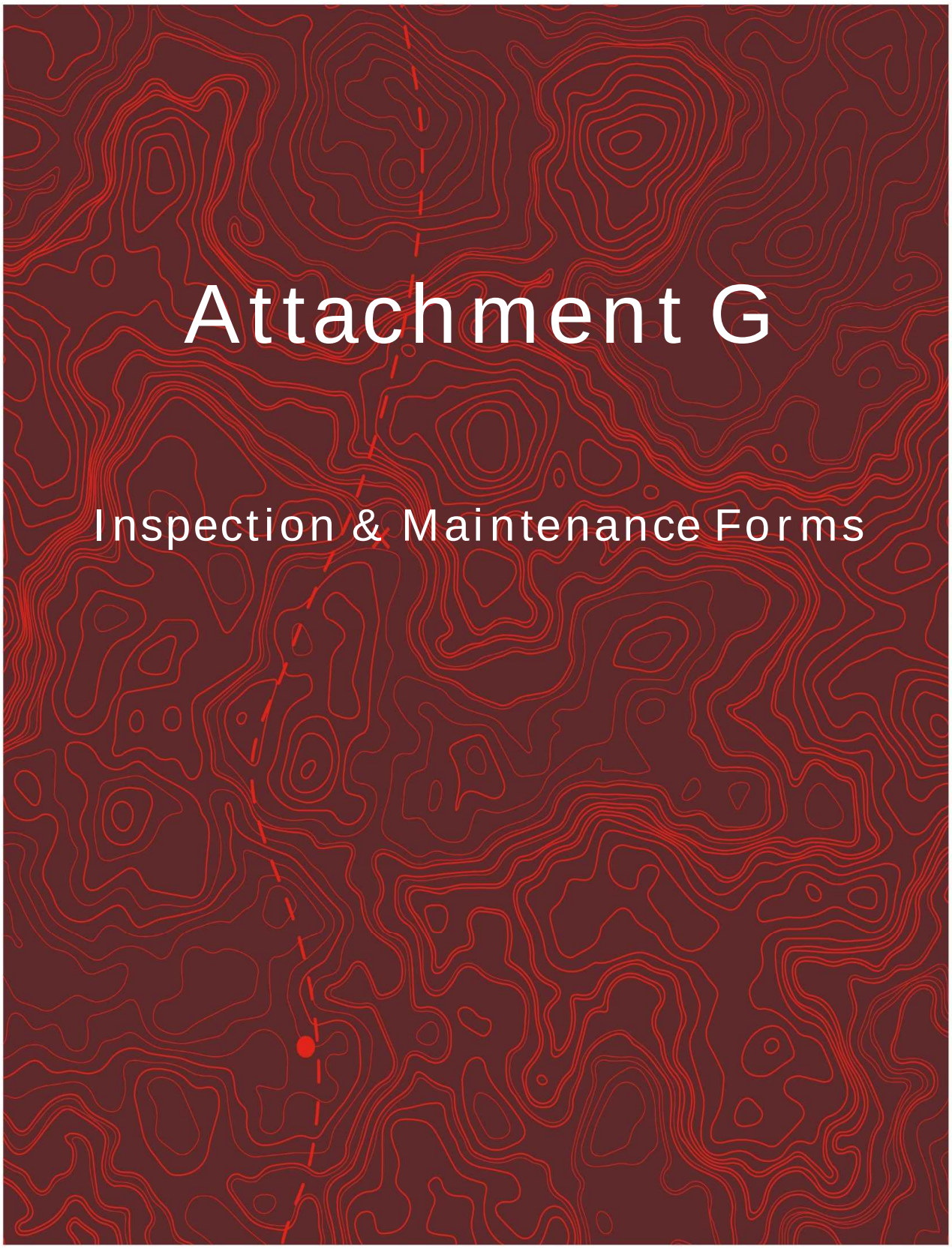
_____

_____

_____

Attendee Roster: *(attach additional pages as necessary)*

No.	Name of Attendee	Company
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		


Attachment G
Inspection & Maintenance Forms

Kentucky Construction Site Stormwater Inspection Report

General Information			
Project Name			
KPDES Tracking No.		**Location**	
Date of Inspection		**Start/End Time**	
Inspector's Name(s)			
Inspector's Title(s)			
Inspector's Contact Info			
Inspector's Qualifications			
Describe present work phase			
Type of Inspection: ❑Regular Weekly ❑Regular Bi-Weekly ❑Pre-Storm Event ❑During Storm ❑Post-Storm Event			
Weather Information			
Has there been a storm event since the last inspection? ❑Yes ❑No **If yes, provide:** Start Date & Time: Storm Duration (hrs): Approximate Amount of Precipitation (in):			
Weather at time of this inspection? ❑Clear ❑Cloudy ❑Rain ❑Sleet ❑Fog ❑Snowing ❑High Winds ❑Other Temperature: _____			
Have any discharges of sediment or other pollutants occurred since the last inspection? ❑Yes ❑No **If yes, describe:**			
Are there any discharges of sediment or pollutants at the time of inspection? ❑Yes ❑No **If yes, describe:**			

Site-specific BMPs

Number the structural and non-structural BMPs identified in your SWPPP on your site map and list them below (add as many BMPs as necessary. Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.

	BMP Type or Name	BMP Installed?	Maintenance Required?	Corrective Action Needed and Notes
1		❑Yes ❑No	❑Yes ❑No	
2		❑Yes ❑No	❑Yes ❑No	
3		❑Yes ❑No	❑Yes ❑No	
4		❑Yes ❑No	❑Yes ❑No	
5		❑Yes ❑No	❑Yes ❑No	
6		❑Yes ❑No	❑Yes ❑No	
7		❑Yes ❑No	❑Yes ❑No	
8		❑Yes ❑No	❑Yes ❑No	
9		❑Yes ❑No	❑Yes ❑No	
10		❑Yes ❑No	❑Yes ❑No	
11		❑Yes ❑No	❑Yes ❑No	
12		❑Yes ❑No	❑Yes ❑No	
13		❑Yes ❑No	❑Yes ❑No	
14		❑Yes ❑No	❑Yes ❑No	
15		❑Yes ❑No	❑Yes ❑No	
16		❑Yes ❑No	❑Yes ❑No	
17		❑Yes ❑No	❑Yes ❑No	
18		❑Yes ❑No	❑Yes ❑No	
19		❑Yes ❑No	❑Yes ❑No	
20		❑Yes ❑No	❑Yes ❑No	

Overall Site Issues: Note BMPs, Implementation, Maintenance and Corrective Action Needs.

BMP/activity	Installed?	Maintenance Required?	Corrective Action Needed and Notes
Are all slopes and disturbed areas not being worked properly stabilized?	❑Yes ❑No	❑Yes ❑No	
Are streams, wetlands, mature trees, etc. protected with barriers or BMPs?	❑Yes ❑No ❑N/A	❑Yes ❑No ❑N/A	
Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	❑Yes ❑No	❑Yes ❑No	
Are discharge points and receiving waters free of any sediment deposits?	❑Yes ❑No	❑Yes ❑No	
Are storm drain inlets properly protected?	❑Yes ❑No ❑N/A	❑Yes ❑No ❑N/A	
Is the construction exit preventing sediment from being tracked into the street?	❑Yes ❑No	❑Yes ❑No	
Is trash/litter from work areas collected and placed in covered waste containers?	❑Yes ❑No	❑Yes ❑No	
Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	❑Yes ❑No ❑N/A	❑Yes ❑No ❑N/A	
Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other material?	❑Yes ❑No ❑N/A	❑Yes ❑No ❑N/A	
Are materials that are potential stormwater contaminants stored inside or under cover?	❑Yes ❑No	❑Yes ❑No	
Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	❑Yes ❑No ❑N/A	❑Yes ❑No ❑N/A	
Other management practices inspected or needed (explain):			

Non-Compliance

Describe any incidents of non-compliance not described above:

CERTIFICATION STATEMENT

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: _____

Signature:_____ **Date:**_____