Stormwater Pollution Prevention Plan (SWPPP) for Construction Activity for Large Construction Sites

National Pollutant Discharge Elimination System (NPDES)
General Permit # ARR150000

Prepared for:
Sun Hog Solar – Bryant School District (SD)
Bryant, Arkansas

Date:
May 15, 2025

PMI
A Terracon Company

Project Name and Location: Scenic Hill Solar –Bryant SD

Property Parcel Number (*Optional*): 840-11623-030

Operator Name and Address: SCENIC HILL SOLAR XLV, LLC

A. Site Description

a. Project description intended use after NOI is filed: Scenic Hill Solar plans on creating a solar array near Bryant, Arkansas on the Scenic Hill Solar site. The subject property is approximately 11.35 acres of soil disturbance, with a total site area of approximately 27.45 acres.

b. Sequence of major activities which disturb soils: NOC's will be posted, BMPs will be installed. The array area will be cleared, array installed and seeded within 14 days of earth disturbing activities are completed.

c. Total Area[1]: 27.45 Disturbed Area[2]: 11.35

d. Soils Information:

i. Runoff Coefficient Pre-Construction (See Appendix A) : 0.10

ii. Runoff Coefficient Post-Construction (See Appendix A) : 0.38

iii. Describe the soil or the quality of any discharge from the site: silt loam

B. Responsible Parties

Be sure to assign all SWPPP related activities to an individual or position; even if the specific individual is not yet known (i.e. contractor has not been chosen).

Individual/Company	Phone Number	Service Provided for SWPPP (i.e., Inspector, SWPPP revisions, Stabilization Activities, BMP Maintenance, etc.)
Brian Brown	713-826-0630	Inspector, Construction Manager
Carrie Kyhl	501-707-0555	Responsible Official

C. Receiving Waters

a. The following waterbody (or waterbodies) receives stormwater from this construction site: Unnamed tributaries to Hurricane Creek, to Hurricane Lake, then to Saline River thence to the Ouachita River

b. Is the project located within the jurisdiction of an MS4? ☑ Yes ☐ No

i. If yes, Name of MS4: City of Bryant

c. Ultimate Receiving Water:

☐ Red River ☐ White River
☑ Ouachita River ☐ St. Francis River
☐ Arkansas River ☐ Mississippi River

D. Documentation of Permit Eligibility Related to the 303(d) list and Total Maximum Daily Loads (TMDL) (https://www.adeq.state.ar.us/water/planning/)
   a. Does the stormwater enter a waterbody on the 303(d) list or with an approved TMDL? ☐ Yes ☑ No
   b. If yes:
      i. Waterbody identified on 303(d) list: _____
      ii. Pollutant addressed on 303(d) list or TMDL: _____
      iii. This specific project ,or generally construction activity i.e. surface erosion, is identified on 303(d) list or associated assumptions and allocations identified in the TMDL for the discharge: ☐ Yes ☐ No
      iv. Additional controls implemented: _____
      _____

E. Attainment of Water Quality Standards After Authorization
   a. Sediment- and erosion-control measures along the construction project such as silt fences and rock check dams will be installed prior to ground disturbing activities begin to minimize the discharge of sediment and other pollutants into surrounding water bodies. The controls will be implemented and updated as necessary to be stringent enough to prevent an excursion above applicable water quality standards.
   b. At any time after authorization, the Department may determine that the stormwater discharges may cause, have reasonable potential to cause, or contribute to an excursion above any applicable water quality standard. If such a determination is made, the Department will require the permittee to:
      i. Develop a supplemental BMP action plan describing SWPPP modifications to address adequately the identified water quality concerns and submit valid and verifiable data and information that are representative of ambient conditions and indicate that the receiving water is attaining water quality standards; or
      ii. Cease discharges of pollutants from construction activity and submit an individual permit application.

   I understand and agree to follow the above text regarding the attainment of water quality standards after authorization. ☑ Yes ☐ No

F. Site Map Requirements (Attach Site Map):
   a. Pre-construction topographic view;

b. Direction of stormwater flow (i.e., use arrows to show which direction stormwater will flow) and approximate slopes anticipated after grading activities;
c. Delineate on the site map areas of soil disturbance and areas that will not be disturbed under the coverage of this permit;
d. Location of major structural and nonstructural controls identified in the plan;
e. Location of main construction entrance and exit;
f. Location where stabilization practices are expected to occur;
g. Locations of off-site materials, waste, borrow area, or equipment storage area;
h. Location of areas used for concrete wash-out;
i. Location of all surface water bodies (including wetlands) with associated natural buffer boundary lines. Identify floodplain and floodway boundaries, if available;
j. Locations where stormwater is discharged to a surface water and/or municipal separate storm sewer system if applicable,
k. Locations where stormwater is discharged off-site (should be continuously updated);
l. Areas where final stabilization has been accomplished and no further construction phase permit requirements apply;
m. A legend that identifies any erosion and sediment control measure symbols/labels used in the site map and/or detail sheet; and
n. Locations of any storm drain inlets on the site and in the immediate vicinity of the site.

G. Stormwater Controls
   a. Initial Site Stabilization, Erosion and Sediment Controls, and Best Management Practices:
      i. Initial Site Stabilization: Most of the present vegetation will be cleared. Erosion- and sediment-control BMPs will be installed as necessary to protect drainage paths prior to earth-disturbing activities.
      ii. Erosion and Sediment Controls: good housekeeping practices, BMP installation before clearing begins, maintenance completed within 14 days of an inspection report noting deficiencies.
      iii. If periodic inspections or other information indicates a control has been used inappropriately or incorrectly, the operator will replace or modify the control for site situations: ☑ Yes ☐ No

           If No, explain: _____

           _____

iv. Off-site accumulations of sediment will be removed at a frequency sufficient to minimize off-site impacts: ☑ Yes ☐ No

If No, explain: _____

v. Sediment will be removed from sediment traps or sedimentation ponds when design capacity has been reduced by 50%: ☑ Yes ☐ No

If No, explain: _____

vi. Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from becoming a pollutant source for stormwater discharges: ☑ Yes ☐ No

If No, explain: _____

vii. Off-site material storage areas used solely by the permitted project are being covered by this SWPPP: ☐ Yes ☑ No

If Yes, explain additional BMPs implemented at off-site material storage area: _____

b. Stabilization Practices

i. Description and Schedule: For this project, adequate measures needed to limit erosion at this site will consist of installing silt fencing and/or rock check dams as needed. Specifically, areas around newly disturbed and graded surfaces will be protected using primarily silt fences, rock check dams as needed, and a gravel site entrance to reduce erosion and sediment transport.

ii. Are buffer areas required? ☑ Yes ☐ No

If Yes, are buffer areas being used? ☑ Yes ☐ No

If Yes, describe natural buffer areas: natural buffer areas will remain at a minimum of 25 feet from any jurisdictional wetland and streams

If No, explain why not: _____

iii. A record of the dates when grading activities occur, when construction activities temporarily or permanently cease on a portion of the site, and when stabilization measures are initiated shall be included with the plan. ☑ Yes ☐ No

If No, explain: _____

iv. Deadlines for stabilization:

1. Stabilization procedures will be initiated 14 days after construction activity temporarily ceases on a portion of the site.
2. Stabilization procedures will be initiated immediately in portions of the site where construction activities have permanently ceased.

c. Structural Practices

i. Describe any structural practices to divert flows from exposed soils, store flows, or otherwise limit runoff and the discharge of pollutants from exposed areas of the site: Silt fences will be installed, and rock check dams will be used to slow water down if needed.

ii. Describe Velocity Dissipation Devices: Rock check dams and hay bales will be utilized as velocity dissipation devices.

iii. Sediment Basins:

Are 10 or more acres draining to a common point? ☐ Yes ☑ No

Is a sediment basin included in the project? ☐ Yes ☑ No

If Yes, what is the designed capacity for the storage?

☐ 3600 cubic feet per acre = : _____

or

☐ 10 year, 24 hour storm = : _____

☐ Other criteria were used to design basin: _____

_____

_____

If No, explain why no sedimentation basin was included and describe required natural buffer areas and other controls implemented instead: Natural buffers, silt fences and the amount of room left on the site prevents a sediment pond. Scenic Hill Solar has met with City of Bryant to mitigate the sediment pond.

H. Other Controls

a. Solid materials, including building materials, shall be prevented from being discharged to Waters of the State: ☑ Yes ☐ No

b. Off-site vehicle tracking of sediments and the generation of dust shall be minimized through the use of:

☑ A stabilized construction entrance and exit

☐ Vehicle tire washing

☐ Other controls, describe: _____

_____

c. Temporary Sanitary Facilities: If temporary sanitary facilities are needed, they will be placed inside the silt fence to prevent site runoff from leaving the site.

d. Concrete Waste Area Provided:
☑ Yes
☐ No. Concrete is used on the site, but no concrete washout is provided.
Explain why: _____
_____
☐ N/A, no concrete will be used with this project

e. Fuel Storage Areas, Hazardous Waste Storage, and Truck Wash Areas: _____
_____

I. Non-Stormwater Discharges

a. The following allowable non-stormwater discharges comingled with stormwater are present or anticipated at the site:
☐ Fire-fighting activities;
☐ Fire hydrant flushings;
☐ Water used to wash vehicles (where detergents or other chemicals are not used) or control dust in accordance with Part II.A.4.H.2;
☐ Potable water sources including uncontaminated waterline flushings;
☐ Landscape Irrigation;
☐ Routine external building wash down which does not use detergents or other chemicals;
☐ Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled materials have been removed) and where detergents or other chemicals are not used;
☐ Uncontaminated air conditioning, compressor condensate (See Part I.B.13.C of the permit);
☐ Uncontaminated springs, excavation dewatering and groundwater (See Part I.B.13.C of the permit);
☐ Foundation or footing drains where flows are not contaminated with process materials such as solvents (See Part I.B.13.C of the permit);

b. Describe any controls associated with non-stormwater discharges present at the site: No anticipated non-stormwater discharges are expected to occur.

J. Permanent Controls for Post-Construction Stormwater Management:
Describe measures installed during the construction process to control pollutants in stormwater discharges that will occur after construction operations have been completed: All disturbed areas will be seeded and mulched within 14 days of completing work activities that resulted in the disturbance of soil. The seeding of the areas will be done more than one time if adequate turf coverage is not accomplished in the first seeding event.

K. Applicable State or Local Programs: The SWPPP will be updated as necessary to reflect any revisions to applicable federal, state, or local requirements that affect the stormwater controls implemented at the site. ☑ Yes ☐ No

L. Inspections

a. Inspection frequency:

☑ Every 7 calendar days

or

☐ At least once every 14 calendar days and within 24 hours of the end of a storm even 0.25 inches or greater (a rain gauge must be maintained on-site)

b. Inspections:

Completed inspection forms will be kept with the SWPPP.

☑ ADEQ's inspection form will be used (See Appendix B)

or

☐ A form other than ADEQ's inspection form will be used and is attached (See inspection form requirements Part II.A.4.L.2)

c. Inspection records will be retained as part of the SWPPP for at least 3 years from the date of termination.

d. It is understood that the following sections describe waivers of site inspection requirements. All applicable documentation requirements will be followed in accordance with the referenced sections.

i. Winter Conditions (Part II.A.4.L.4)

ii. Adverse Weather Conditions (Part II.A.4.L.5)

M. Maintenance:

The following procedures to maintain vegetation, erosion and sediment control measures and other protective measures in good, effective operating condition will be followed: All disturbed areas will be seeded and mulched within 14 days of completing work activities that resulted in the disturbance of soil. The seeding of the areas will be done more than one time if adequate turf coverage is not accomplished in the first seeding event.

Any necessary repairs will be completed, when practicable, before the next storm event, but not to exceed a period of 3 business days of discovery, or as otherwise directed by state or local officials.

N. Employee Training:

The following is a description of the training plan for personnel (including contractors and subcontractors) on this project: Scenic Hill Solar employees and contractors whose normal duties could potentially affect stormwater discharges and installed BMPs will be trained on contents of the SWPPP. Personnel will be trained in their responsibilities while on-site. At a minimum, training will include brief discussions on the following: contents of the SWPPP, summary of stormwater BMPs used on the project, and review of reporting requirements in the case of a spill or damage to a BMP.

**Note, Formal training classes given by Universities or other third-party organizations are not required, but recommended for qualified trainers; the permittee is responsible for the content of the training being adequate for personnel to implement the requirements of the permit.

Certification

"I certify under penalty of law that this document and all attachments such as Inspection Form were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate 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."

Signature of Responsible or Cognizant Official: Carrie Kyhl

Title: COO

Date: 5/15/25

Computation Sheet for Determining Runoff Coefficients

Appendix A

Total Site Area =	27.45 Acres	[A]

Existing Site Conditions

Impervious Site Area [1] =	0 Acres	[B]
Impervious Site Area Runoff Coefficient [2, 4] =	0.95	
Pervious Site Area [3] =	27.45 Acres	[D]
Pervious Site Area Runoff Coefficient [4] =	0.10	[E]

Pre-Construction Runoff Coefficient

$$\frac{[B \times C] + [D \times E]}{[A]} = 0.1$$

Proposed Site Conditions (after construction)

Impervious Site Area [1] =	11.35 Acres	[F]
Impervious Site Area Runoff Coefficient [2, 4] =	0.80	[G]
Pervious Site Area [3] =	16.1 Acres	[H]
Pervious Site Area Runoff Coefficient [4] =	0.10	[I]

Post-Construction Runoff Coefficient

$$\frac{[F \times G] + [H \times I]}{[A]} = 0.38$$

1. Includes paved areas, areas covered by buildings, and other impervious surfaces.
2. Use 0.95 unless lower or higher runoff coefficient can be verified.
3. Includes areas of vegetation, most unpaved or uncovered soil surfaces, and other pervious areas.
4. Refer to local Hydrology Manual for typical C values.

Note: The impervious and pervious surfaces should equal the total area.

ARR150000 Inspection Form

Appendix B

Inspector Name: _____ Date of Inspection: _____

Inspector Title: _____

Date of Rainfall: _____ Duration of Rainfall: _____

Days Since Last Rain Event: _____ days Rainfall Since Last Rain Event: _____ inches

Description of any Discharges During Inspection: _____

Location of Discharges of Sediment/Other Pollutant (specify pollutant & location): _____

_____

Locations in Need of Additional BMPs: _____

Information on Location of Construction Activities

Location	Activity Begin Date	Activity Occurring Now (y/n)?	Activity Ceased Date	Stabilization Initiated Date	Stabilization Complete Date

Information on BMPs in Need of Maintenance

Location	In Working Order?	Maintenance Scheduled Date	Maintenance Completed Date	Maintenance to be Performed By

Changes required to the SWPPP: _____ Reasons for changes: _____

_____ _____

_____ _____

SWPPP changes completed (date): _____

"I certify under penalty of law that this document and all attachments such as Inspection Form were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate 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."

Signature of Responsible or Cognizant Official: _____ Date: _____

Title: _____

BMP Consideration Checklist

Appendix C

The BMPs listed here should be considered for every project. Those BMPs that are not included in the SWPPP should be checked as "Not Used" with a brief statement describing why it is not being used.

Note: Appendix C and D do not have to be submitted with the SWPPP. These attachments are for use during the development of the SWPPP.

EROSION CONTROL BMPs				
BMP	**BMP Considered for project**	**BMP Used**	**BMP Not Used**	**If not used, state reason**
EC-1 Scheduling	☐	☑	☐	
EC-2 Preservation of Existing Vegetation	☐	☑	☐	
EC-3 Hydraulic Mulch	☐	☐	☑	Not necessary
EC-4 Hydroseeding	☐	☐	☑	Not necessary
EC-5 Soil Binders	☐	☐	☑	Not necessary
EC-6 Straw Mulch	☐	☑	☐	
EC-7 Geotextiles & Mats	☐	☐	☑	Not necessary
EC-8 Wood Mulching	☐	☐	☑	Not necessary
EC-9 Earth Dikes & Drainage Swales	☑	☐	☐	
EC-10 Velocity Dissipation Devices	☑	☐	☐	
EC-11 Slope Drains	☑	☐	☑	
EC-12 Stream bank Stabilization	☐	☐	☑	Not necessary
SEDIMENT CONTROL BMPs				
BMP	**BMP Considered for project**	**BMP Used**	**BMP Not Used**	**If not used, state reason**
SE-1 Silt Fence	☐	☑	☐	
SE-2 Sediment Basin	☐	☐	☑	Not necessary
SE-3 Sediment Trap	☐	☐	☑	Not necessary
SE-4 Check Dam	☐	☑	☐	
SE-5 Fiber Rolls	☐	☐	☑	Not necessary
SE-6 Gravel Bag Berm	☐	☐	☑	Not necessary
SE-7 Street Sweeping and Vacuuming	☐	☑	☐	
SE-8 Sand Bag Barrier	☐	☐	☑	Not necessary
SE-9 Straw Bale Barrier	☐	☑	☐	
SE-10 Storm Drain Inlet Protection	☐	☐	☑	Not necessary
SE-11 Chemical Treatment	☐	☐	☑	Not necessary
WIND EROSION CONTROL BMPs				
BMP	**BMP Considered for project**	**BMP Used**	**BMP Not Used**	**If not used, state reason**
WE-1 Wind Erosion Control	☐	☐	☑	Not necessary

BMP Consideration Checklist

Appendix C

TRACKING CONTROL BMPs				
BMP	**BMP Considered for project**	**BMP Used**	**BMP Not Used**	**If not used, state reason**
TR-1 Stabilized Construction Entrance/Exit	☐	☑	☐	
TR-2 Stabilized Construction Roadway	☐	☐	☑	Not necessary
TR-3 Entrance/Outlet Tire Wash	☐	☐	☑	Not necessary
NON-STORM WATER MANAGEMENT BMPs				
BMP	**BMP Considered for project**	**BMP Used**	**BMP Not Used**	**If not used, state reason**
NS-1 Water Conservation Practices	☐	☐	☑	Not necessary
NS-2 Dewatering Operations	☐	☐	☑	Not necessary
NS-3 Paving and Grinding Operations	☐	☐	☑	Not necessary
NS-4 Temporary Stream Crossing	☐	☐	☑	Not necessary
NS-5 Clear Water Diversion	☐	☐	☑	Not necessary
NS-6 Illicit Connection/ Discharge	☐	☐	☑	Not necessary
NS-7 Potable Water/Irrigation	☐	☐	☑	Not necessary
NS-8 Vehicle and Equipment Cleaning	☐	☐	☑	Not necessary
NS-9 Vehicle and Equipment Fueling	☐	☐	☑	Not necessary
NS-10 Vehicle and Equipment Maintenance	☐	☐	☑	Not necessary
NS-11 Pile Driving Operations	☐	☐	☑	Not necessary
NS-12 Concrete Curing	☐	☐	☑	Not necessary
NS-13 Concrete Finishing	☐	☐	☑	Not necessary
NS-14 Material and Equipment Use Over Water	☐	☐	☑	Not necessary
NS-15 Demolition Adjacent to Water	☐	☐	☑	Not necessary
NS-16 Temporary Batch Plants	☐	☐	☑	Not necessary
WASTE MANAGEMENT AND MATERIALS POLLUTION CONTROL BMPs				
BMP	**BMP Considered for project**	**BMP Used**	**BMP Not Used**	**If not used, state reason**
WM-1 Material Delivery and Storage	☐	☑	☐	
WM-2 Material Use	☐	☑	☐	
WM-3 Stockpile Management	☐	☑	☐	
WM-4 Spill Prevention and Control	☐	☑	☐	
WM-5 Solid Waste Management	☐	☐	☑	Not necessary
WM-6 Hazardous Waste Management	☐	☐	☑	Not necessary
WM-7 Contaminated Soil Management	☐	☐	☑	Not necessary
WM-8 Concrete Waste Management	☐	☑	☐	
WM-9 Sanitary/Septic Waste Management	☐	☐	☑	Not necessary
WM-10 Liquid Waste Management	☐	☐	☑	Not necessary

SWPPP Completion Checklist

Appendix D

Yes = Complete
No = Incomplete/Deficient
N/A = Not applicable to project

Yes	No	N/A		Permit Section Citation
			A site description, including:	
✓			1. Project description, intended use after NOT	Part II.A.4.A.1
✓			2. Sequence of major activities	Part II.A.4.A.2
✓			3. Total & disturbed acreage	Part II.A.4.A.3
✓			4. Pre- and post-construction runoff coefficient OR soil/discharge data	Part II.A.4.A.4
✓			**B. Responsible Parties: All parties dealing with the SWPPP and the areas they are responsible for on-site.**	Part II.A.4.B
✓			**C. Receiving Water.**	Part II.A.4.C
✓			-MS4 Name	Part II.A.4.C
		✓	-Ultimate Receiving Water	Part II.A.4.C
			D. Documentation of permit eligibility related to Impaired Water Bodies and Total Maximum Daily Loads (TMDL	
✓			1. Identify pollutant on 303(d) list or TMDL	Part II.A.4.D.1
	✓		2. Is construction activity or the specific site listed as cause?	Part II.A.4.D.2
✓			3. Measures taken to reduce pollutants from the site.	Part II.A.4.D.3
✓			**E. Attainment of Water Quality Standards After Authorization.**	Part II.A.4.E
✓			**F. Site Map --- See End of Evaluation Form**	Part II.A.4.F
			G. Description of Controls:	
			1. Erosion and sediment controls, including:	
✓			a. Initial site stabilization	Part II.A.4.G.1.a
✓			b. Erosion and sediment controls	Part II.A.4.G.1.b
✓			c. Replacement of inadequate controls	Part II.A.4.G.1.c
✓			d. Removal of off-site accumulations	Part II.A.4.G.1.d
✓			e. Maintenance of sediment traps/basins @ 50% capacity	Part II.A.4.G.1.e
✓			f. Litter, construction debris and chemicals properly handled	Part II.A.4.G.1.f
		✓	g. Off-site storage areas and controls	Part II.A.4.G.1.g
			2. Stabilization practices:	
✓			a. Description and schedule for stabilization	Part II.A.4.G.2.a
✓			b. Description of buffer areas	Part II.A.4.G.2.b
✓			c. Records of stabilization	Part II.A.4.G.2.c
✓			d. Deadlines for stabilization	Part II.A.4.G.2.d
✓			3. Structural Practices:	
✓			-Describe structural practices to divert flows, store flows, or otherwise limit runoff	Part II.A.4.G.3
		✓	a. Sediment basins	Part II.A.4.G.3.a.1
	✓		-Are more than 10 acres draining to a common point? If so, are sediment basins included?	Part II.A.4.G.3.a.1
		✓	-Sediment basin dimensions and capacity description and calculations	Part II.A.4.G.3.a.1
		✓	-If a basin wasn't practicable, are other controls sufficient?	Part II.A.4.G.3.a.1
			b. Velocity dissipation devices concentrated flow from 2 or more acres	Part II.A.4.G.3.b
			H. Other controls including:	Part II.A.4.H.1
		✓	1. Solid waste control measures	Part II.A.4.H.2
✓			2. Vehicle off-site tracking controls	Part II.A.4.H.4
✓			3. Compliance with sanitary waste disposal	Part II.A.4.H.5
		✓	4. Does the site have a concrete washout area controls?Does the site have fuel storage areas, hazardous waste storage and/or truck wash areas controls?	Part II.A.4.H.6

Revised date: 10/20/2016

SWPPP Completion Checklist

Appendix D

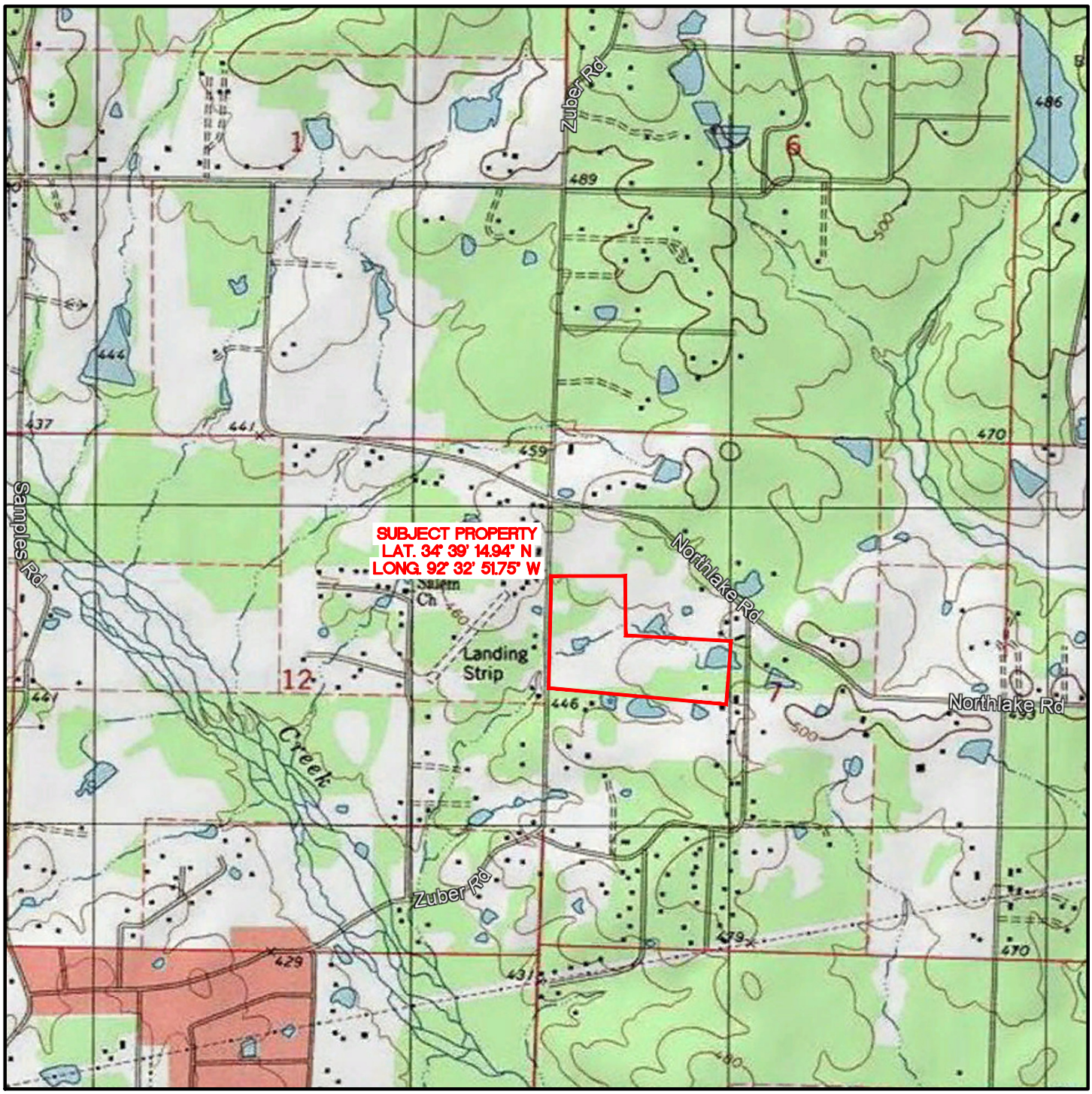
Yes	No	N/A		Permit Section Citation
		✓	**I. Identification of allowable non-storm water discharges**	Part II.A.4.I
		✓	-Appropriate controls for dewatering, if present	Part I.B.12.C
✓			**J. Post construction stormwater management.**	Part II.A.4.J
✓			**K. State or local requirements incorporated into the plan.**	Part II.A.4.K
			L. Inspections	
✓			1. Inspection frequency listed?	Part II.A.4.L.1
			2. Inspection form	Part II.A.4.L.2
✓			Ours.	
			If not ours, does it contain the following items:	
			a. Inspector name and title	Part II.A.4.L.2.a
			b. Date of inspection.	Part II.A.4.L.2.b
			c. Amount of rainfall and days since last rain event (14 day only)	Part II.A.4.L.2.c
			d. Approx beginning and duration of storm event	Part II.A.4.L.2.d
			e. Description of any discharges during inspection	Part II.A.4.L.2.e
			f. Locations of discharges of sediment/other pollutants	Part II.A.4.L.2.f
			g. BMPs in need of maintenance	Part II.A.4.L.2.g
			h. BMPs in working order, if maintenance needed (scheduled and completed)	Part II.A.4.L.2.h
			i. Locations that are in need of additional controls	Part II.A.4.L.2.i
			j. Location and dates when major construction activities begin, occur or cease	Part II.A.4.L.2.j
			k. Signature of responsible/cognizant official	Part II.A.4.L.2.k
✓				
✓			3. Inspection Records	Part II.A.4.L.3
✓			4. Winter Conditions	Part II.A.4.L.4
			5. Adverse Weather Conditions	Part II.A.4.L.5
✓			**M. Maintenance Procedures**	Part II.A.4.M
✓			**N. Employee Training**	Part II.A.4.N
✓			**Signed Plan Certification**	Part II.A.5. and Part II.B.10
			F. Site Map showing:	
✓			1. Pre-construction topographic view	Part II.A.4.F.1
✓			2. Drainage flow	Part II.A.4.F.2
✓			3. Approximate slopes after grading activities	Part II.A.4.F.2
✓			4. Areas of soil disturbance and areas not disturbed	Part II.A.4.F.3
✓			5. Location of major structural and non-structural controls.	Part II.A.4.F.4
✓			6. Location of main construction entrance and exit.	Part II.A.4.F.5
✓			7. Areas where stabilization practices are expected to occur.	Part II.A.4.F.6
		✓	8. Locations of off-site materials, waste, borrow area or storage area.	Part II.A.4.F.7
✓			9. Locations of areas used for concrete wash-out.	Part II.A.4.F.8
✓			10. Locations of surface waters on site.	Part II.A.4.F.9
✓			11. Locations where water is discharged to a surface water or MS4.	Part II.A.4.F.10
✓			12. Storm water discharge locations.	Part II.A.4.F.11
✓			13. Areas where final stabilization has been accomplished.	Part II.A.4.F.12
		✓		
		✓	14. Legend for symbols/labels used	Part II.A.4.F.13
			15. Location of storm drain inlets on site or in immediate vicinity	Part II.A.4.F.14

Revised date: 10/20/2016

SWPPP TRAINING CERTIFICATION FORM

This is to acknowledge that I have reviewed the Stormwater Pollution Prevention Plan for Construction for Scenic Hill Solar. I have been trained in its use and purpose and am familiar with its contents.

Name (Please Print)	Name (Please Print)
Signature	Signature
Date	Date
Responsible For	Responsible For
Name (Please Print)	Name (Please Print)
Signature	Signature
Date	Date
Responsible For	Responsible For
Name (Please Print)	Name (Please Print)
Signature	Signature
Date	Date
Responsible For	Responsible For



DRAWING NO. 1

SITE TOPOGRAPHIC MAP TAKEN FROM BRYANT USGS QUADRANGLE

CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN
BRYANT SD SOLAR ARRAY
SCENIC HILL SOLAR
BRYANT, ARKANSAS

N
W E
S

PMI
A Terracon Company

SUBMITTED:	N. JOHNSON
DRAWN:	D. LLOYD
CHECKED:	N. JOHNSON
DATE:	MAY 15, 2025

SCALE: 0 1500'

JOB NUMBER: KT257024

FILE: KT257024 SWPPP TOPO.DWG

GENERAL NOTES:

1. THE CONTRACTOR IS REQUIRED TO NOTIFY THE ONE CALL CENTER AT 1-800-482-8998 48 HOURS PRIOR TO DIGGING SO THAT UNDERGROUND UTILITIES IN THE AREA CAN BE LOCATED.
2. THE LOCATION OF KNOWN SUBSURFACE STRUCTURES, UTILITY PIPING, GAS, FIBER, ETC. ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE SITE AND OBTAIN FURTHER INFORMATION ON THE LOCATION OF SUBSURFACE STRUCTURES SHOWN AND NOT SHOWN. ALL REPAIRS TO DAMAGED UNDERGROUND STRUCTURES SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
3. ALL ITEMS DISTURBED DURING CONSTRUCTION, STREETS, DRIVES, FENCES, ETC. SHALL BE RESTORED TO THEIR ORIGINAL CONDITION. COST OF REPAIRS IS THE RESPONSIBILITY OF THE CONTRACTOR.

PROPERTY BOUNDARY

CONSTRUCTION ROAD ENTRANCE/EXIT

30 LF CONCRETE LOW WATER CROSSING

2 - 10' WIDE GATES

CONCRETE WASH-OUT AREA

JURISDICTIONAL INTERMITTENT STREAM (TYP.)

JURISDICTIONAL WETLAND (TYP.)

3,105 LF CHAIN LINK SECURITY FENCE

20' MIN. TYP.

2,100 LF SILT FENCE

455

450

460

465

470

445

TOTAL PROPERTY APPROXIMATELY 27.45 ACRES

TOTAL DISTURBED AREA APPROXIMATELY 11.35 ACRES

SCALE: 80 0 80 160

PRELIMINARY

SITE LAYOUT - AERIAL

CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN
BRYANT SD SOLAR ARRAY
SCENIC HILL SOLAR
BRYANT, ARKANSAS

REVISIONS:

NO:	DATE:	DESCRIPTION:	BY:

CIVIL ENGINEERING AND ENVIRONMENTAL SERVICES
3512 SOUTH SHACKLEFORD RD
LITTLE ROCK, ARKANSAS 72205
PH: (501) 221-7122 FX (501) 221-7775

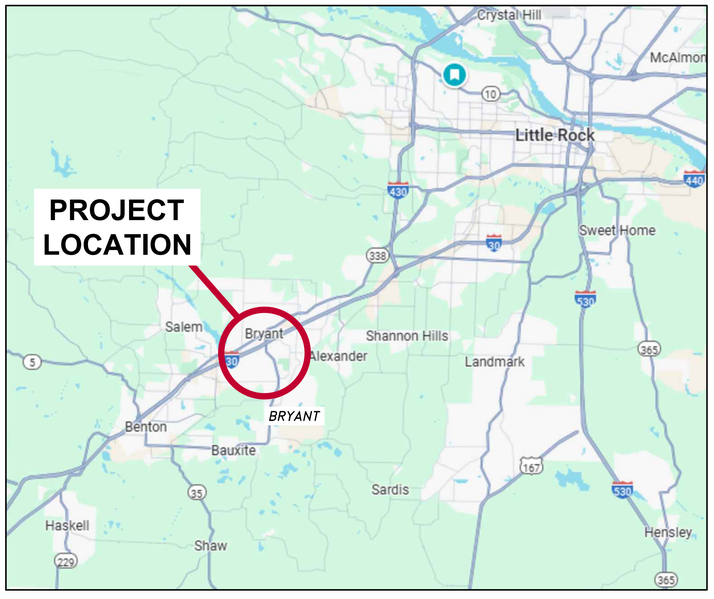
DESIGNED BY: NJ
DRAWN BY: DDL
CHECKED BY: NJ
DATE: APR. 15, 2025
SCALE: 1" = 80'

JOB NUMBER: KT257024

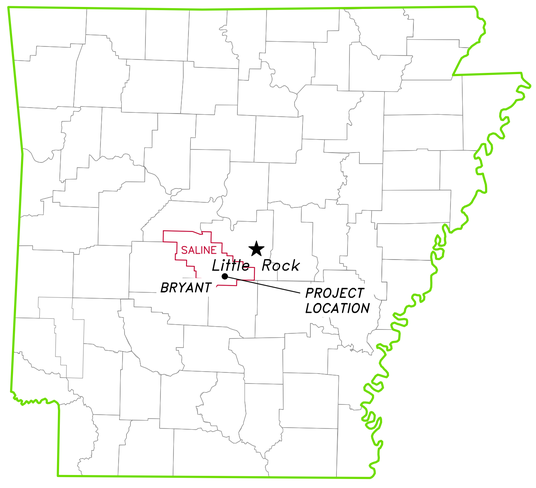
DRAWING NUMBER: 2

FILE: N:\AUTOCAD - ENGINEERING\KT257024 - SHS BRYANT SD CIVIL & SWPPP\SWPPP\KT257024 BRYANT SD SWPPP.DWG

BRYANT SD SOLAR ARRAY
SCENIC HILL SOLAR
BRYANT, ARKANSAS
FEBRUARY 2025



Vicinity Map



INDEX OF DRAWINGS	
SHEET #	SHEET TITLE
C1.0	SITE LAYOUT – AERIAL
C1.1	SITE LAYOUT
C1.2	STAKING PLAN
C1.4	EROSION CONTROL PLAN
C2.0	MISCELLANEOUS DETAILS
C2.1	EROSION CONTROL DETAILS

811 Know what's below. Call before you dig.

PMI

PROJECT NO. KT257024

PRELIMINARY

CERTIFICATE OF AUTHORIZATION POLLUTION MANAGEMENT, INC. No. 331 ARKANSAS-ENGINEER

NOT FOR CONSTRUCTION

GENERAL NOTES:

1. THE CONTRACTOR IS REQUIRED TO NOTIFY THE ONE CALL CENTER AT 1-800-482-8998 48 HOURS PRIOR TO DIGGING SO THAT UNDERGROUND UTILITIES IN THE AREA CAN BE LOCATED.
2. THE LOCATION OF KNOWN SUBSURFACE STRUCTURES, UTILITY PIPING, GAS, FIBER, ETC. ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE SITE AND OBTAIN FURTHER INFORMATION ON THE LOCATION OF SUBSURFACE STRUCTURES SHOWN AND NOT SHOWN. ALL REPAIRS TO DAMAGED UNDERGROUND STRUCTURES SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
3. ALL ITEMS DISTURBED DURING CONSTRUCTION, STREETS, DRIVES, FENCES, ETC. SHALL BE RESTORED TO THEIR ORIGINAL CONDITION. COST OF REPAIRS IS THE RESPONSIBILITY OF THE CONTRACTOR.

PROPERTY BOUNDARY

PRIMARY ROAD
8,375 SF CLASS 7 BASE COURSE COMPACTED TO 95% MODIFIED PROCTOR

2 - 10' WIDE GATES

JURISDICTIONAL INTERMITTENT STREAM

3,050 LF CHAIN LINK SECURITY FENCE
(SEE DETAIL 1, SHEET C2.0)

20' MIN. TYP.

445 450 455 460 465 470

SCALE:
80 0 80 160

PRELIMINARY

SUBMITTED FOR REVIEW

SHEET TITLE: SITE LAYOUT - AERIAL

PROJECT TITLE: BRYANT SD SOLAR ARRAY
SCENIC HILL SOLAR
BRYANT, ARKANSAS

REVISIONS:

NO.	DATE:	DESCRIPTION:	BY:

CIVIL ENGINEERING AND ENVIRONMENTAL SERVICES
3512 SOUTH SHACKLEFORD RD
LITTLE ROCK, ARKANSAS 72205
PH: (501) 221-7122 FX: (501) 221-7775

DESIGNED BY: JTM
DRAWN BY: JTM
CHECKED BY: JTM
DATE: FEB. 25, 2025
SCALE: 1" = 80'

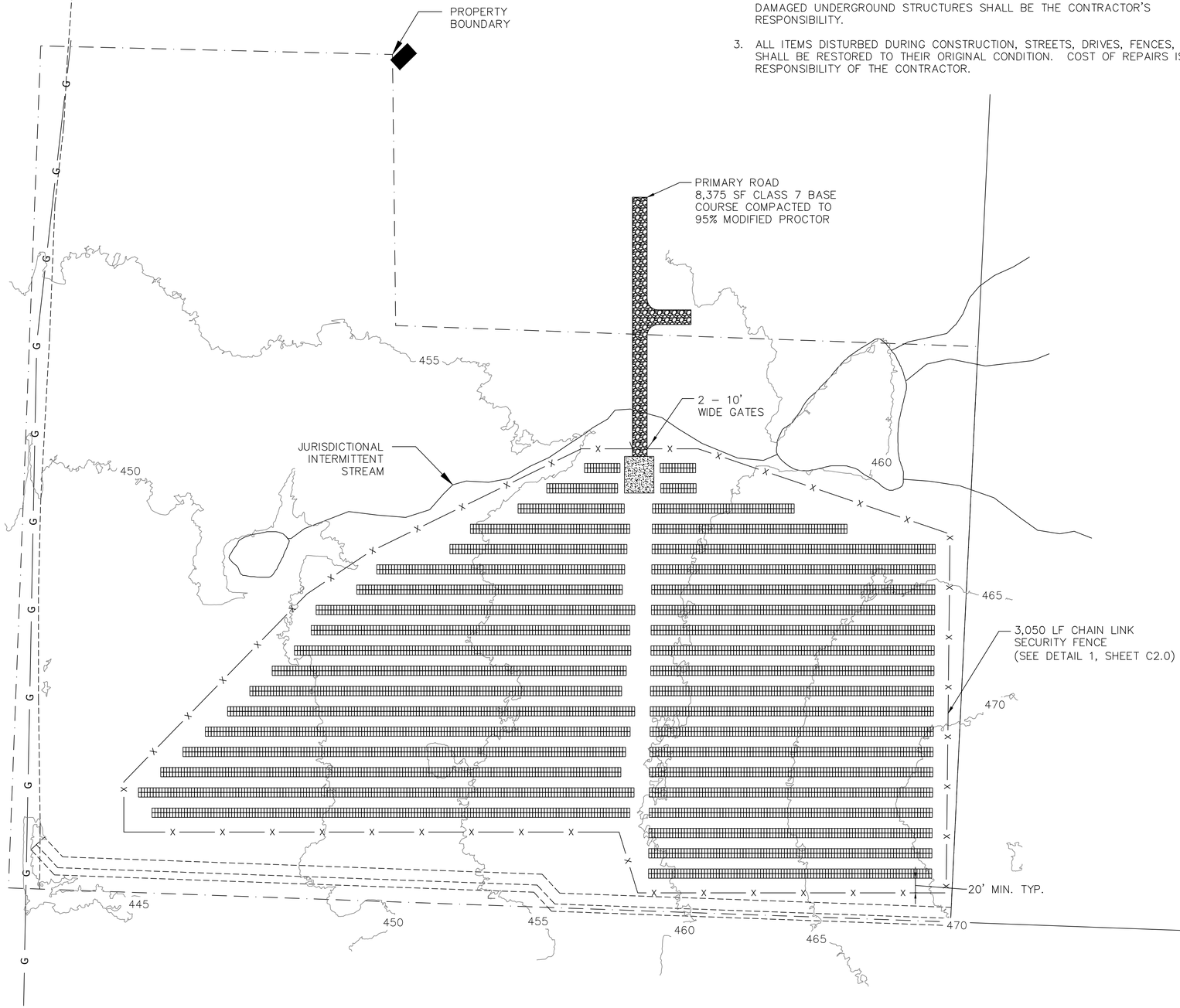
JOB NUMBER: KT257024

SHEET NUMBER: C1.0

FILE: N:\PROJECTS\2025\KT257024 - SHS BRYANT SD CIVIL & SWPPP\DRAWINGS\KT257024 BRYANT SD CIVIL.DWG

GENERAL NOTES:

1. THE CONTRACTOR IS REQUIRED TO NOTIFY THE ONE CALL CENTER AT 1-800-482-8998 48 HOURS PRIOR TO DIGGING SO THAT UNDERGROUND UTILITIES IN THE AREA CAN BE LOCATED.
2. THE LOCATION OF KNOWN SUBSURFACE STRUCTURES, UTILITY PIPING, GAS, FIBER, ETC. ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE SITE AND OBTAIN FURTHER INFORMATION ON THE LOCATION OF SUBSURFACE STRUCTURES SHOWN AND NOT SHOWN. ALL REPAIRS TO DAMAGED UNDERGROUND STRUCTURES SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
3. ALL ITEMS DISTURBED DURING CONSTRUCTION, STREETS, DRIVES, FENCES, ETC. SHALL BE RESTORED TO THEIR ORIGINAL CONDITION. COST OF REPAIRS IS THE RESPONSIBILITY OF THE CONTRACTOR.



SCALE:
80 0 80 160

PRELIMINARY

SUBMITTED FOR REVIEW

SHEET TITLE: SITE LAYOUT

PROJECT TITLE: BRYANT SD SOLAR ARRAY
SCENIC HILL SOLAR
BRYANT, ARKANSAS

REVISIONS:

NO:	DATE:	DESCRIPTION:	BY:

CIVIL ENGINEERING AND ENVIRONMENTAL SERVICES
3512 SOUTH SHACKLEFORD RD
LITTLE ROCK, ARKANSAS 72205
PH: (501) 221-7122 FX: (501) 221-7775

DESIGNED BY: JTM
DRAWN BY: JTM
CHECKED BY: JTM
DATE: FEB. 25, 2025
SCALE: 1" = 80'

FILE: N:\PROJECTS\2025\KT257024 - SHS BRYANT SD CIVIL & SWPPP\DRAWINGS\KT257024 BRYANT SD CIVIL.DWG

JOB NUMBER:
KT257024

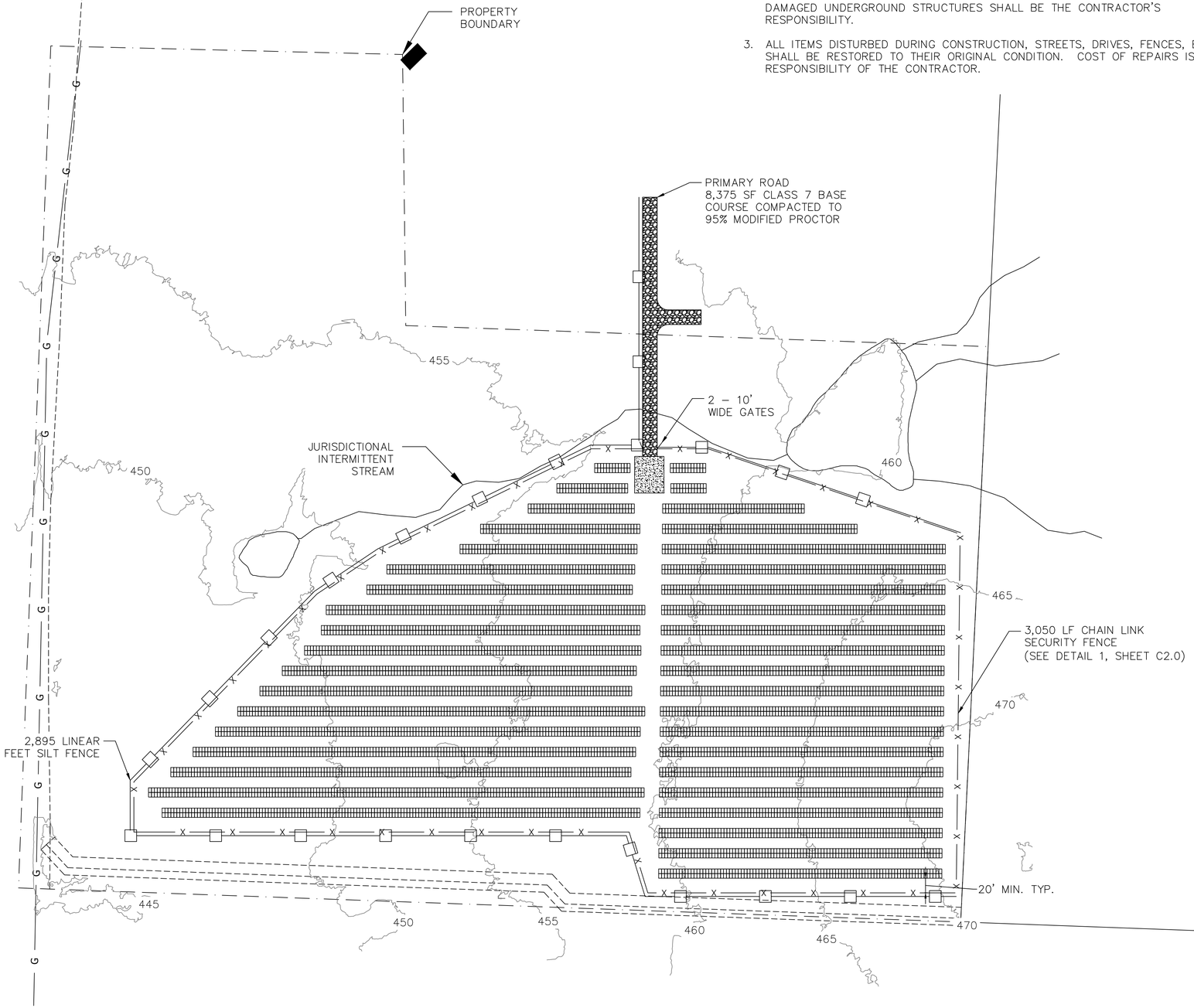
SHEET NUMBER:
C1.1

GENERAL NOTES:

1. THE CONTRACTOR IS REQUIRED TO NOTIFY THE ONE CALL CENTER AT 1-800-482-8998 48 HOURS PRIOR TO DIGGING SO THAT UNDERGROUND UTILITIES IN THE AREA CAN BE LOCATED.

2. THE LOCATION OF KNOWN SUBSURFACE STRUCTURES, UTILITY PIPING, GAS, FIBER, ETC. ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE SITE AND OBTAIN FURTHER INFORMATION ON THE LOCATION OF SUBSURFACE STRUCTURES SHOWN AND NOT SHOWN. ALL REPAIRS TO DAMAGED UNDERGROUND STRUCTURES SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

3. ALL ITEMS DISTURBED DURING CONSTRUCTION, STREETS, DRIVES, FENCES, ETC. SHALL BE RESTORED TO THEIR ORIGINAL CONDITION. COST OF REPAIRS IS THE RESPONSIBILITY OF THE CONTRACTOR.



SCALE:
80 0 80 160

PRELIMINARY

SUBMITTED FOR REVIEW

SHEET TITLE: EROSION CONTROL

PROJECT TITLE: BRYANT SD SOLAR ARRAY
SCENIC HILL SOLAR
BRYANT, ARKANSAS

REVISIONS:

NO:	DATE:	DESCRIPTION:	BY:

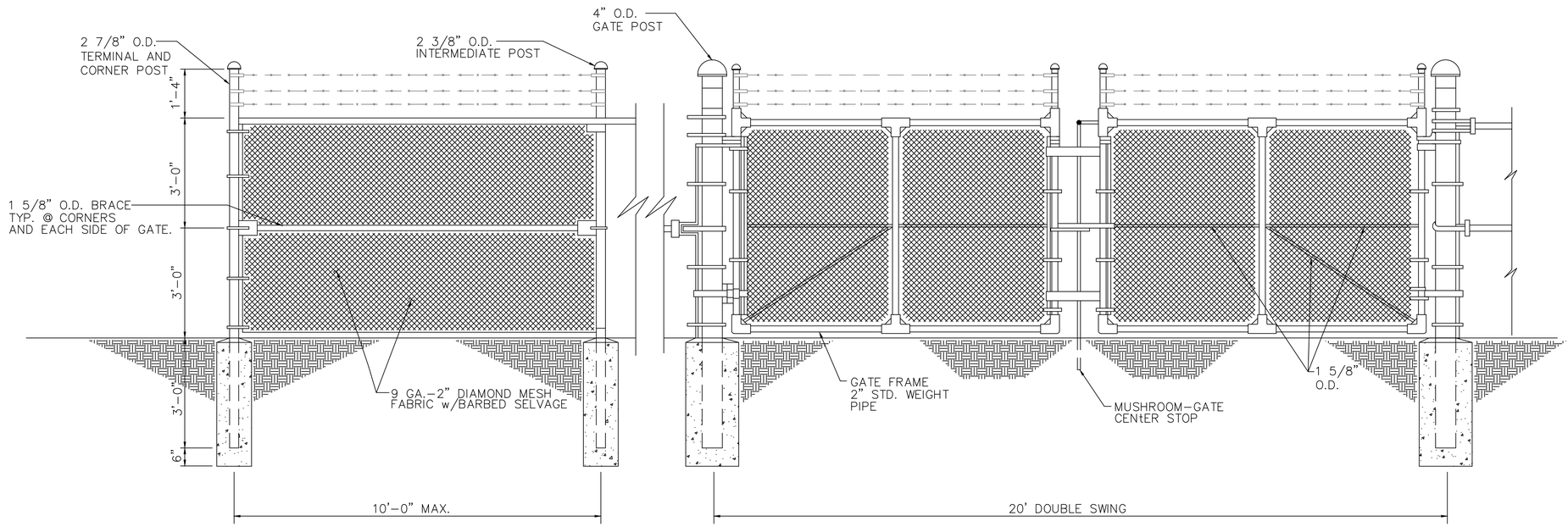
CIVIL ENGINEERING AND ENVIRONMENTAL SERVICES
3512 SOUTH SHACKLEFORD RD
LITTLE ROCK, ARKANSAS 72205
PH: (501) 221-7122 FX: (501) 221-7775

DESIGNED BY: JTM
DRAWN BY: JTM
CHECKED BY: JTM
DATE: FEB. 25, 2025
SCALE: 1" = 80'

FILE: N:\PROJECTS\2025\KT257024 - SHS BRYANT SD CIVIL & SWPPP\DRAWINGS\KT257024 BRYANT SD CIVIL.DWG

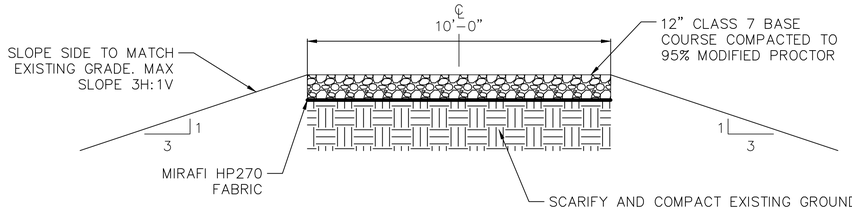
JOB NUMBER:
KT257024

SHEET NUMBER:
C1.1



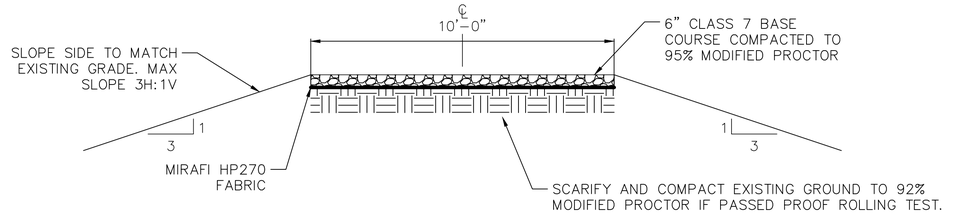
SECURITY FENCE DETAIL — 1 (C1.0 | C2.0)
SCALE: NTS

NOTE: SEE GEOTECHNICAL REPORT
FOR DETAILED SITE INFORMATION



INDUSTRIAL GRAVEL ROAD DETAIL — 2 (C1.0 | C2.0)
SCALE: NTS

NOTE: SEE GEOTECHNICAL REPORT
FOR DETAILED SITE INFORMATION



VEHICULAR GRAVEL ROAD DETAIL — 3 (C1.0 | C2.0)
SCALE: NTS

PRELIMINARY

SUBMITTED FOR REVIEW

SHEET TITLE: MISCELLANEOUS DETAILS

PROJECT TITLE: BRYANT SD SOLAR ARRAY
SCENIC HILL SOLAR
BRYANT, ARKANSAS

REVISIONS:

NO.	DATE:	DESCRIPTION:	BY:

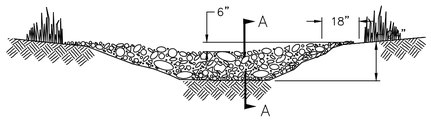
CIVIL ENGINEERING AND
ENVIRONMENTAL SERVICES
3512 SOUTH SHACKLEFORD RD
LITTLE ROCK, ARKANSAS 72205
PH: (501) 221-7122 FX: (501) 221-7775

DESIGNED BY: JTM
DRAWN BY: JTM
CHECKED BY: JTM
DATE: FEB. 25, 2025
SCALE: N.T.S.

FILE: N:\PROJECTS\2025\KT257024 - SHS BRYANT SD CIVIL & SWPPP\DRAWINGS\KT257024 BRYANT SD CIVIL.DWG

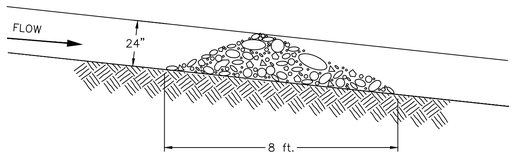
JOB NUMBER: KT257024

SHEET NUMBER: C2.0



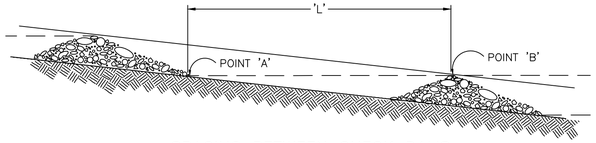
VIEW LOOKING UP STREAM

NOTE: KEY STONE INTO THE DITCH BANKS AND EXTEND IT BEYOND THE ABUTMENTS A MINIMUM OF 18" TO PREVENT OVERFLOW AROUND DAM.



SECTION A–A

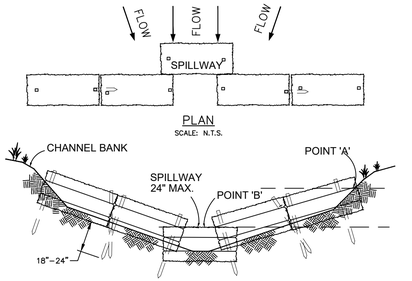
'L' = THE DISTANCE SUCH THAT POINTS 'A' AND 'B' ARE OF EQUAL ELEVATION.



SPACING BETWEEN CHECK DAMS

ROCK CHECK DAM DETAIL — 4 (C1.0 | C2.1)

SCALE: NTS



PLAN
SCALE: N.T.S.

VIEW LOOKING UPSTREAM
SCALE: N.T.S.

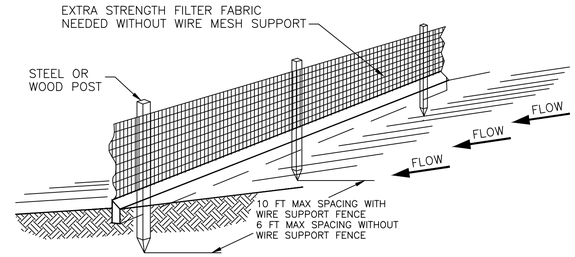
SPACING BETWEEN CHECK DAMS
SCALE: N.T.S.

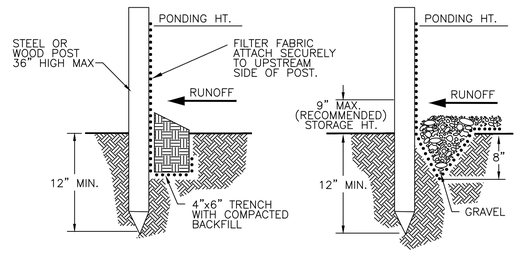
NOTES:

1. EMBED BALES 4" INTO THE SOIL AND 'KEY' BALES INTO THE CHANNEL BANKS.
2. POINT 'A' MUST BE HIGHER THAN POINT 'B'. (SPILLWAY HEIGHT)
3. PLACE BALES PERPENDICULAR TO THE FLOW WITH ENDS TIGHTLY ABUTTING. USE STRAW, ROCKS OR FILTER FABRIC TO FILL ANY GAPS AND TAMP BACKFILL MATERIAL TO PREVENT EROSION OR FLOW AROUND THE BALES.
4. SPILLWAY HEIGHT SHALL NOT EXCEED 24".
5. INSPECT AFTER EACH SIGNIFICANT STORM, MAINTAIN AND REPAIR PROMPTLY.

STRAW BALE CHECK DAM DETAIL — 5 (C1.0 | C2.1)

SCALE: NTS





STANDARD DETAIL
TRENCH WITH NATIVE BACKFILL

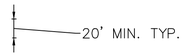
ALTERNATE DETAIL
TRENCH WITH GRAVEL

NOTE:

1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF–SITE AND CAN BE PERMANENTLY STABILIZED.
3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

SILT FENCE DETAIL — 6 (C1.0 | C2.1)

SCALE: NTS



PRELIMINARY

SUBMITTED FOR REVIEW

SHEET TITLE: EROSION CONTROL DETAILS

PROJECT TITLE: BRYANT SD SOLAR ARRAY
SCENIC HILL SOLAR
BRYANT, ARKANSAS

REVISIONS:

NO:	DATE:	DESCRIPTION:	BY:

CIVIL ENGINEERING AND ENVIRONMENTAL SERVICES
3512 SOUTH SHACKLEFORD RD
LITTLE ROCK, ARKANSAS 72205
PH: (501) 221-7122 FX: (501) 221-7775

DESIGNED BY:	JTM	DATE:	FEB. 25, 2025
DRAWN BY:	JTM	SCALE:	N.T.S.
CHECKED BY:	JTM		

FILE: N:\PROJECTS\2023\KT257024 - SHS BRYANT SD CIVIL & SWPPP\DRAWINGS\KT257024 BRYANT SD CIVIL.DWG

JOB NUMBER: KT257024

SHEET NUMBER: C2.0