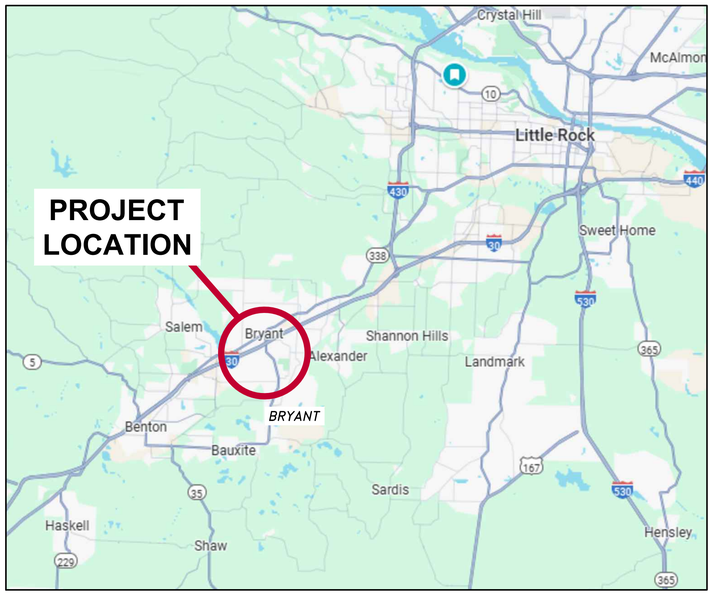
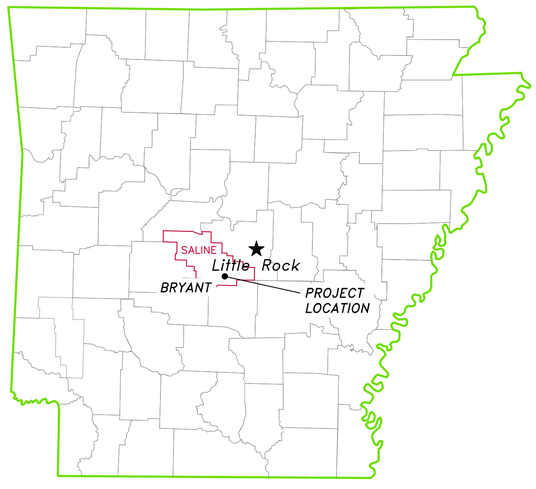
BRYANT SD SOLAR ARRAY
SCENIC HILL SOLAR
BRYANT, ARKANSAS
MAY 2025



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

30 LF CONCRETE LOW WATER CROSSING

2 - 10' WIDE GATES

CONCRETE PADS FOR ELECTRICAL
(1)-6.4' X 20'
(1)-6.4' X 25.8'
(2)-7.9' X 15.8'

20' GRAVITY SEWER EASEMENT

JURISDICTIONAL INTERMITTENT STREAM (TYP.)

JURISDICTIONAL WETLAND (TYP.)

3,090 LF CHAIN LINK SECURITY FENCE
(SEE DETAIL 1, SHEET C2.0)

20' MIN. TYP.

35' CITY EASEMENTS

VEGETATIVE BUFFER STRIP

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.	DESCRIPTION:	DATE:	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: MAY 22, 2025
SCALE: 1" = 80'

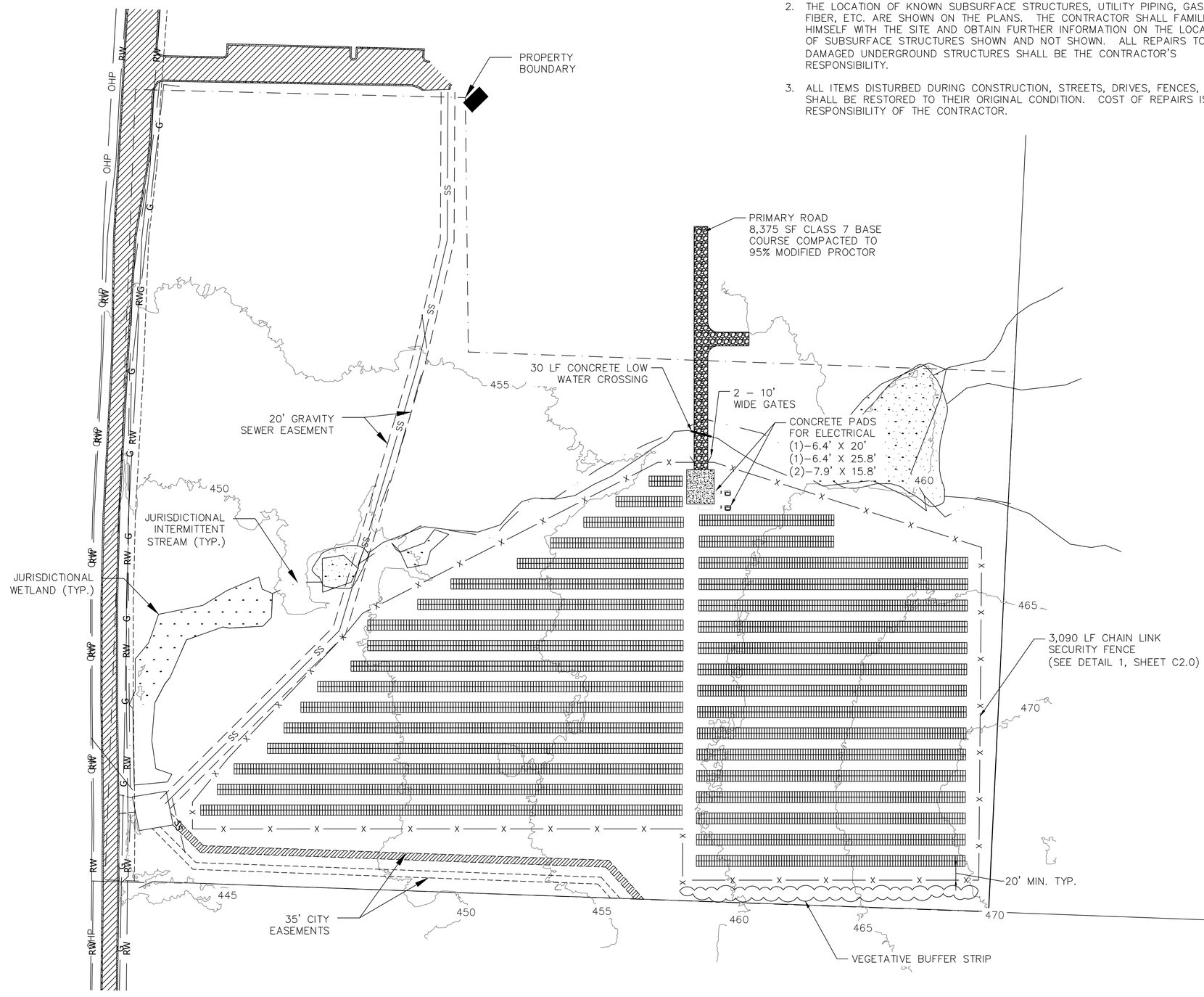
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SHEET NUMBER: C1.0

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GENERAL NOTES:

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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

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DRAWN BY: JTM
CHECKED BY: JTM
DATE: MAY 22, 2025
SCALE: 1" = 80'

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

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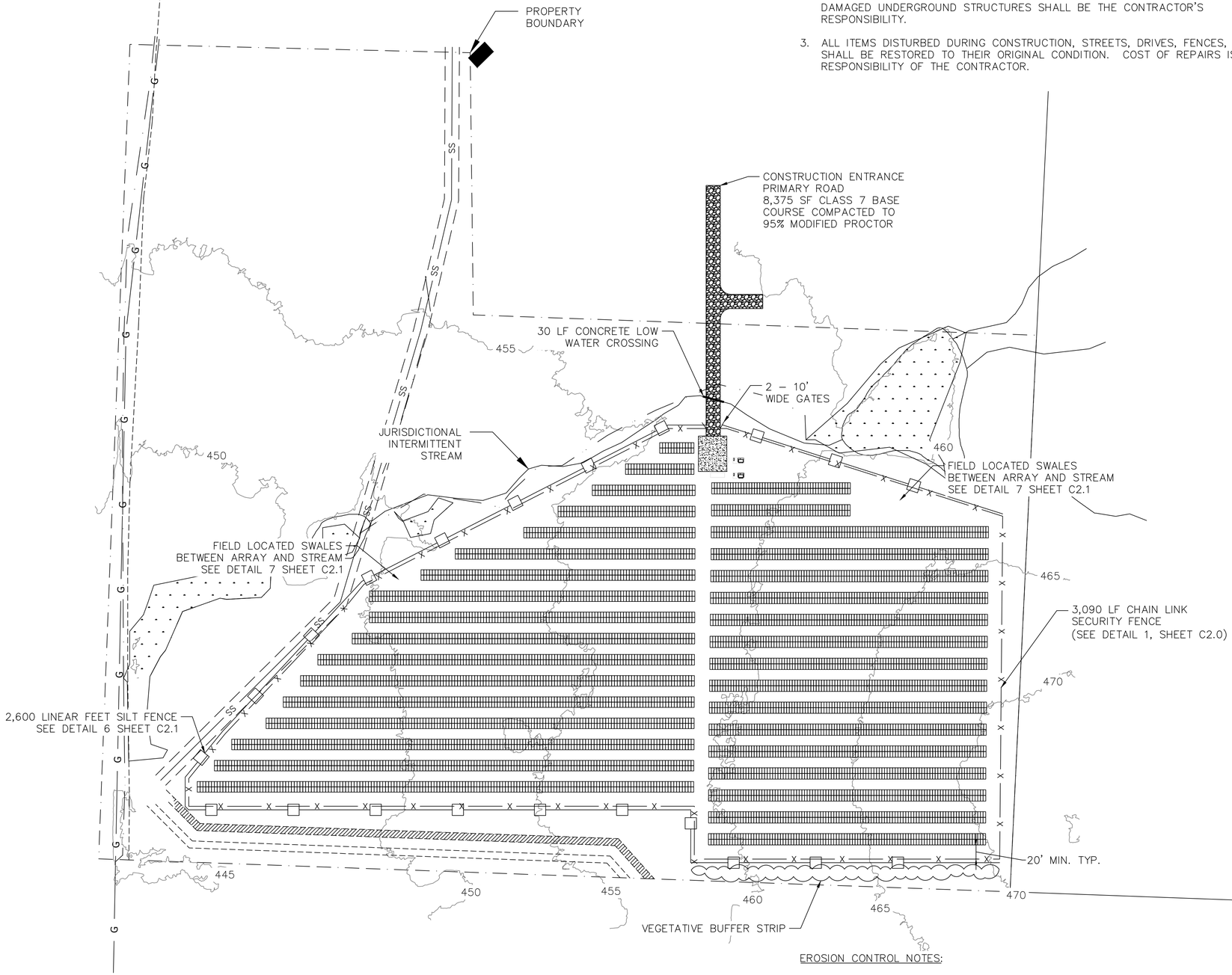
SHEET NUMBER: C1.1

GENERAL NOTES:

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EROSION CONTROL NOTES:

1. REFER TO CITY OF BRYANT SCHOOL DISTRICT SOLAR ARRAY STORMWATER MANAGEMENT PLAN FOR SPECIFICS OF EROSION CONTROL MANAGEMENT PLAN AND MAINTENANCE PLAN.

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:	DESCRIPTION:	DATE:	BY:

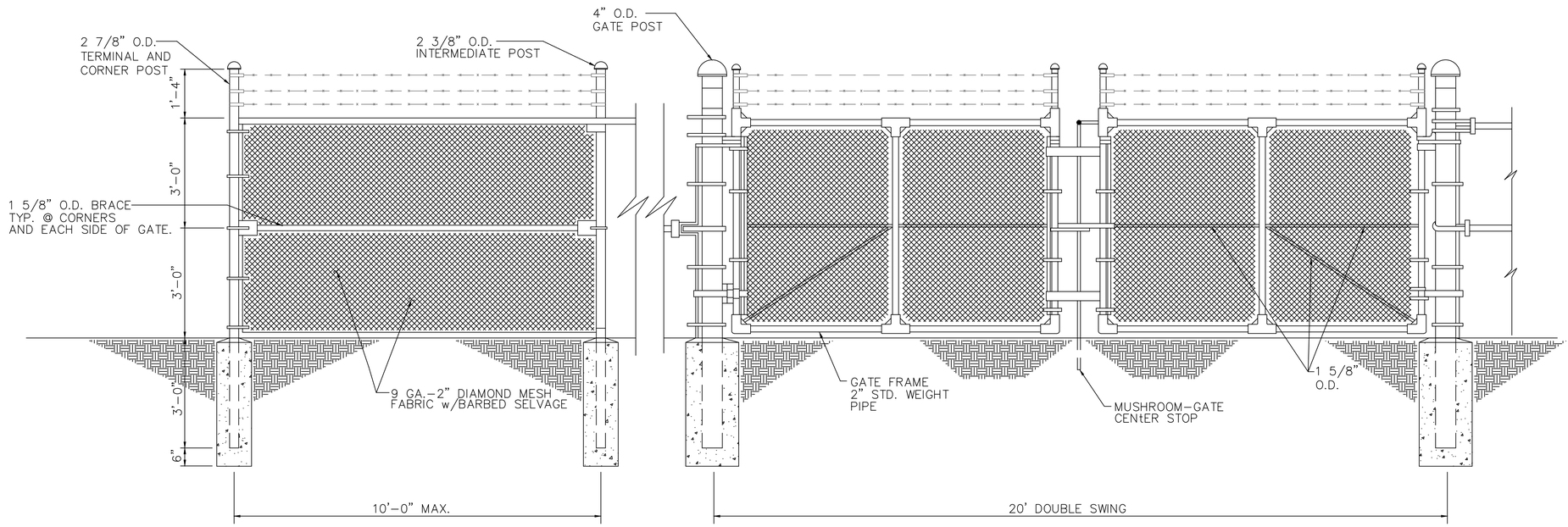
CIVIL ENGINEERING AND ENVIRONMENTAL SERVICES
3512 SOUTH SHACKLEFORD RD
LITTLE ROCK, ARKANSAS 72205
PH: (501) 221-7122 FX: (501) 221-7775

DESIGNED BY: JTM
DRAWN BY: JTM
CHECKED BY: JTM
DATE: MAY 22, 2025
SCALE: 1" = 80'

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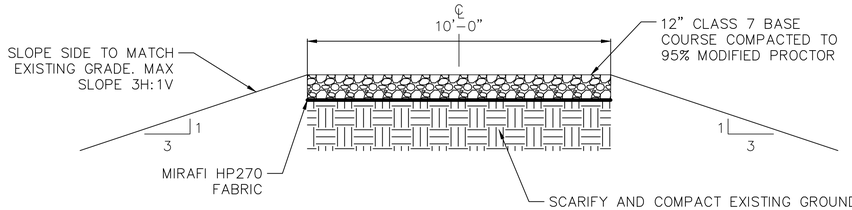
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KT257024

SHEET NUMBER:
C1.1



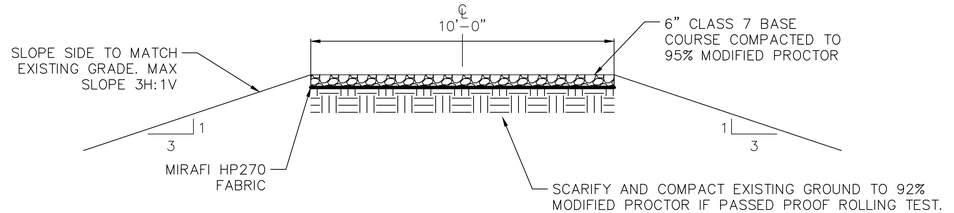
SECURITY FENCE DETAIL — 1 (C1.0 | C2.0)
SCALE: NTS

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:

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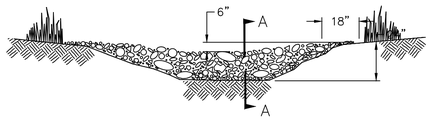
CIVIL ENGINEERING AND
ENVIRONMENTAL SERVICES
3512 SOUTH SHACKLEFORD RD
LITTLE ROCK, ARKANSAS 72205
PH: (501) 221-7122 FX: (501) 221-7775

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

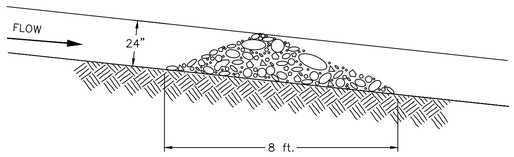
JOB NUMBER: KT257024

SHEET NUMBER: C2.0



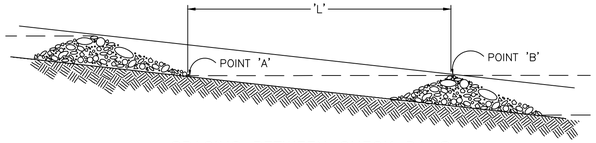
VIEW LOOKING UP STREAM

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

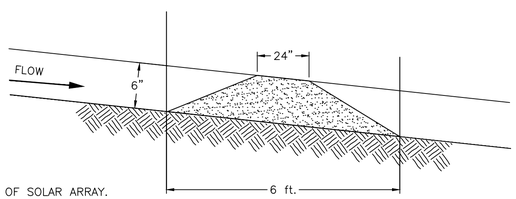
'L' = THE DISTANCE SUCH THAT POINTS 'A' AND 'B' ARE OF EQUAL ELEVATION.



SPACING BETWEEN CHECK DAMS

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

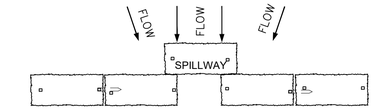
SCALE: NTS



NOTES:
1. INSTALL SWALE DOWNGRADIENT OF SOLAR ARRAY.
2. USE 4:1 H:V SLOPE ON EDGES.

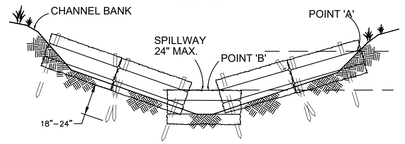
FIELD LOCATED SWALE DETAIL — 7 (C1.0 | C2.1)

SCALE: NTS



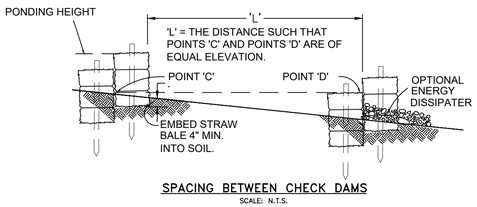
PLAN

SCALE: N.T.S.



VIEW LOOKING UPSTREAM

SCALE: N.T.S.



SPACING BETWEEN CHECK DAMS

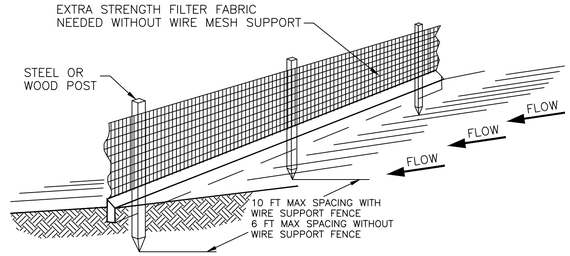
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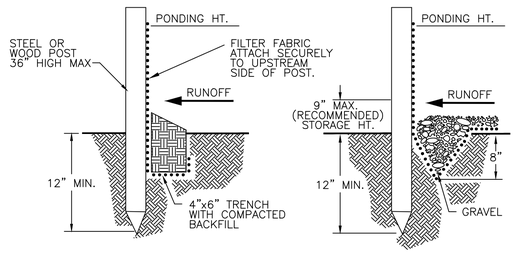
NOTES:

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:	MAY 21, 2025
DRAWN BY:	JTM	SCALE:	N.T.S.
CHECKED BY:	JTM		

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

JOB NUMBER: KT257024

SHEET NUMBER: C2.0