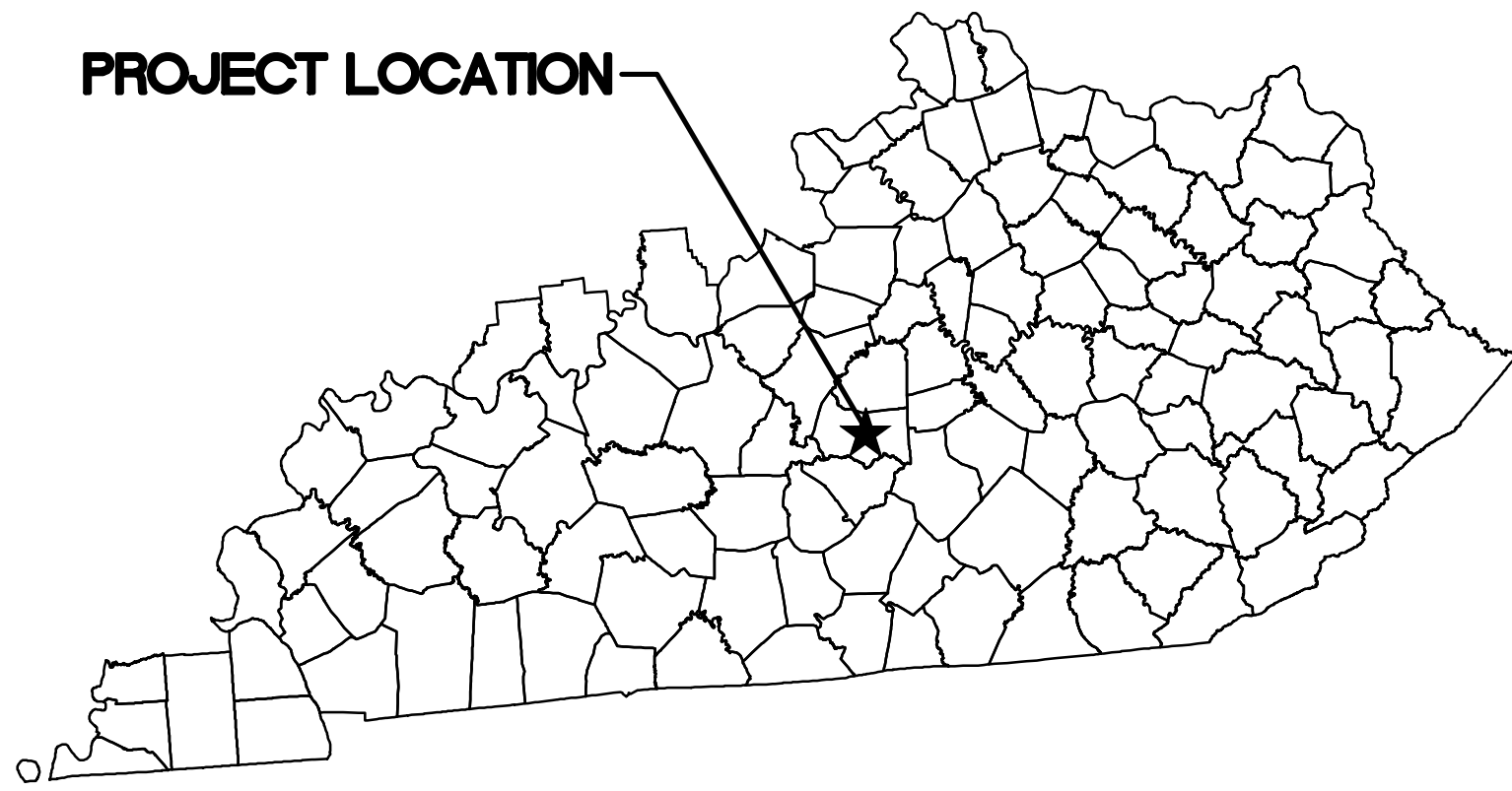
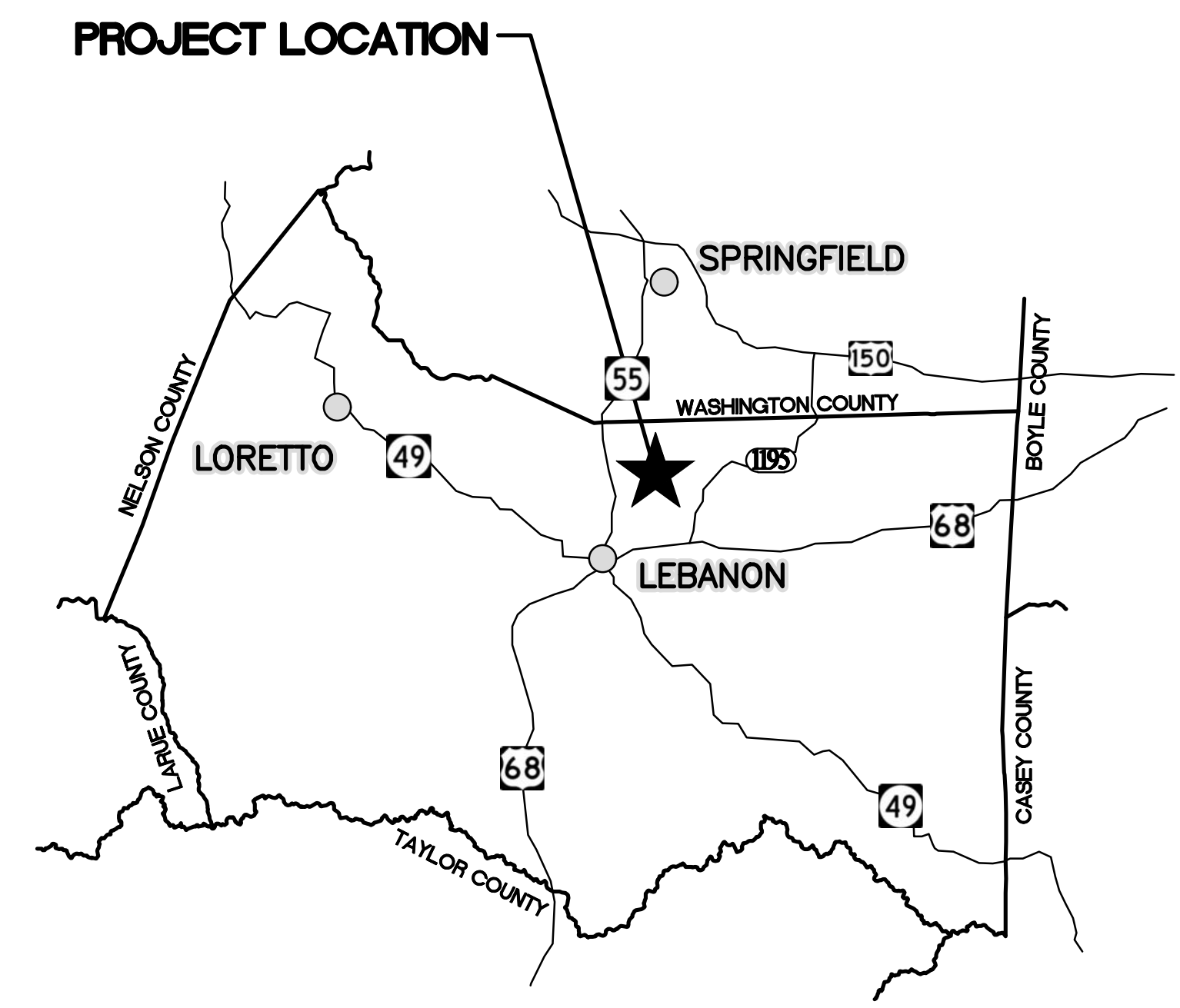


# NORTHERN BOBWHITE SOLAR

## MARION COUNTY, KENTUCKY



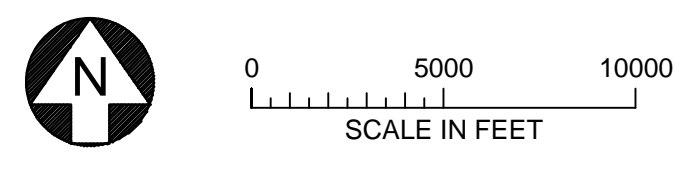
STATE MAP



COUNTY MAP



VICINITY MAP



BASIS OF DRAWING FILE	
COORDINATE SYSTEM	KENTUCKY STATE PLANES, SOUTH ZONE, US FOOT
HORIZONTAL DATUM	NORTH AMERICAN DATUM OF 1983
VERTICAL DATUM	NORTH AMERICAN VERTICAL DATUM OF 1988

### DRAWING INDEX

SHEET NO.	TITLE
C-01.....	TITLE SHEET, LOCATION MAPS, DATA SOURCE, BASIS OF DRAWING & SHEET INDEX
C-02.....	EXISTING CONDITIONS
C-03.....	OVERALL SITE PLAN AND SHEET LAYOUT
C-04.....	SITE LAYOUT - AREA 1
C-05.....	SITE LAYOUT - AREA 2
C-06.....	SITE LAYOUT - AREA 3
C-07.....	SITE LAYOUT - AREA 4
C-08.....	SITE LAYOUT - AREA 5
C-09.....	SITE LAYOUT - AREA 6
C-10.....	SITE LAYOUT - AREA 7
C-11.....	SITE LAYOUT - AREA 8
C-12.....	ACCESS ROAD SECTIONS AND DETAILS
C-13.....	LOW WATER CROSSING SECTIONS AND DETAILS
C-14.....	CULVERT SECTIONS AND DETAILS
C-15.....	MISCELLANEOUS SECTIONS AND DETAILS
C-16.....	EROSION CONTROL SECTIONS AND DETAILS
C-17.....	PLAN AND PROFILE - ROAD A-01
C-18.....	PLAN AND PROFILE - ROAD B-01 - STA 0+00 - 45+00
C-19.....	PLAN AND PROFILE - ROAD B-01 - STA 45+00 - 83+14
C-20.....	PLAN AND PROFILE - ROAD B-02
C-21.....	PLAN AND PROFILE - ROAD B-03
C-22.....	PLAN AND PROFILE - ROADS B-04 AND B-05
C-23.....	PLAN AND PROFILE - ROAD C-01 - STA 0+00 - 45+00
C-24.....	PLAN AND PROFILE - ROAD C-01 - STA 45+00 - 81+14
C-25.....	PLAN AND PROFILE - ROAD C-02
C-26.....	PLAN AND PROFILE - ROADS C-03, C-04, AND C-05
C-27.....	PLAN AND PROFILE - ROAD C-06
C-28.....	PLAN AND PROFILE - ROADS C-07 AND C-08

BASE FILE	SOURCE & VERSION	DATE OBTAINED
TOPOGRAPHY	LIDAR FILES PROVIDED BY EDF (61425_Northern_Bobwhite_KY_S_Surface.dwg)	06/03/2021
EXCLUSION ZONES	FILES FROM EDF (DND_Encompass_Edited_20231207.shp)	12/21/2023
AERIAL IMAGE	USDA - NATIONAL AGRICULTURE IMAGERY PROGRAM	5/26/2021
LAND CONTROL	FILES FROM EDF (BL_v33_array_Northern_Bobwhite_20231207.shp)	12/21/2023
PANEL LAYOUT	20240111_Northern_Bobwhite.dwg PROVIDED BY EDF	01/11/2024
WETLANDS	FILES FROM EDF (Wetlands_Delineations_20200603_Terracon.SHP)	05/15/2021

THIS SET WAS DEVELOPED WITH INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THE DRAWINGS. THE 10% DESIGN IS INTENDED FOR PLANNING PURPOSES ONLY AND SHALL NOT BE CONSIDERED FINAL. CHANGES MAY OCCUR AS ADDITIONAL INFORMATION BECOMES AVAILABLE TO THE DESIGNER.



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05/06/2024

CADD USER: Zach Nelson FILE: C:\JIN\NORTHERN BOBWHITE\17751001.01\_C-01.DWG PLOT SCALE: 1:1 PLOT DATE: 6/6/2024 2:57 PM

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4300 MARKETPOINTE DRIVE  
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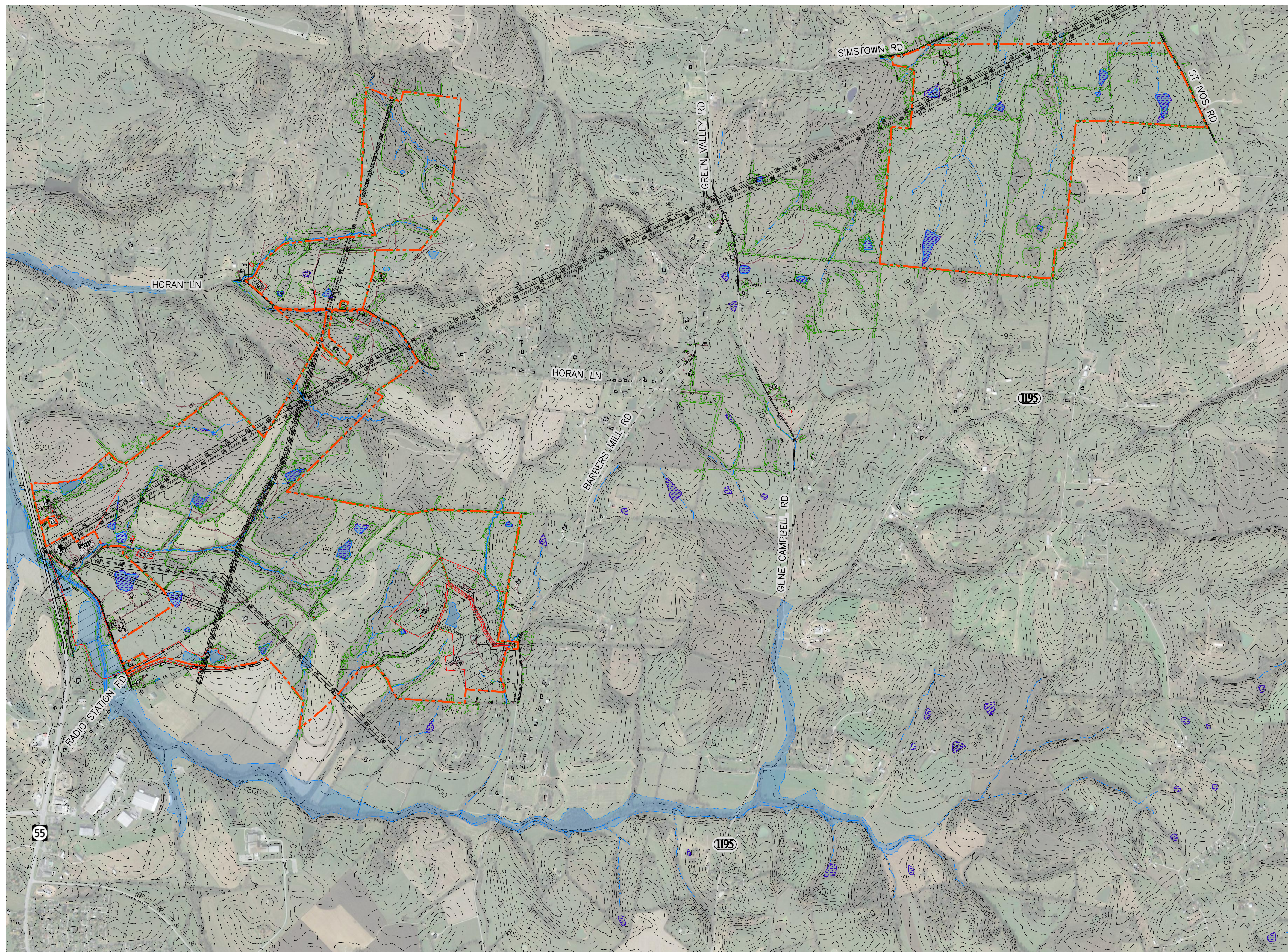
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Date	01/31/2024
Drawn	JAM6
Checked	ZJN
Designed	BARR
Approved	MBI



**NORTHERN BOBWHITE SOLAR**  
MARION COUNTY, KENTUCKY

TITLE SHEET, LOCATION MAPS, DATA SOURCE,  
BASIS OF DRAWING & SHEET INDEX

BARR PROJECT No. 17751001.01	
CLIENT PROJECT No. -	
DWG. No. C-01	REV. No. E



**LEGEND**

EXISTING 50' CONTOUR	— 100 —
EXISTING 10' CONTOUR	- - - - -
EXISTING UNPAVED ROAD	====
EXISTING PAVED ROAD	=====
WETLAND	[Blue hatched pattern]
WATER	[Blue fill]
DRAINAGE SWALE/CREEK	— — — — —
TREE LINE	— — — — —
EXISTING FENCE	- x - x - x -
EXISTING OVERHEAD POWER	- OE - OE - OE -
DO NOT DISTURB	[Red hatched pattern]
PROJECT BOUNDARY	- - - - -

**NOTE:**  
CONTOURS SHOWN IN THIS SHEET ARE BASED ON USGS 5M DATA.

1 PLAN: EXISTING CONDITIONS  
SCALE IN FEET  
0 1000 2000



10% DESIGN  
NOT FOR CONSTRUCTION  
05/06/2024

CADD USER: Zach Nelson FILE: C:\JUNNORTHERN BOBWHITE\17751001.01\_C-02.DWG PLOT SCALE: 1:1 PLOT DATE: 5/6/2024 2:57 PM  
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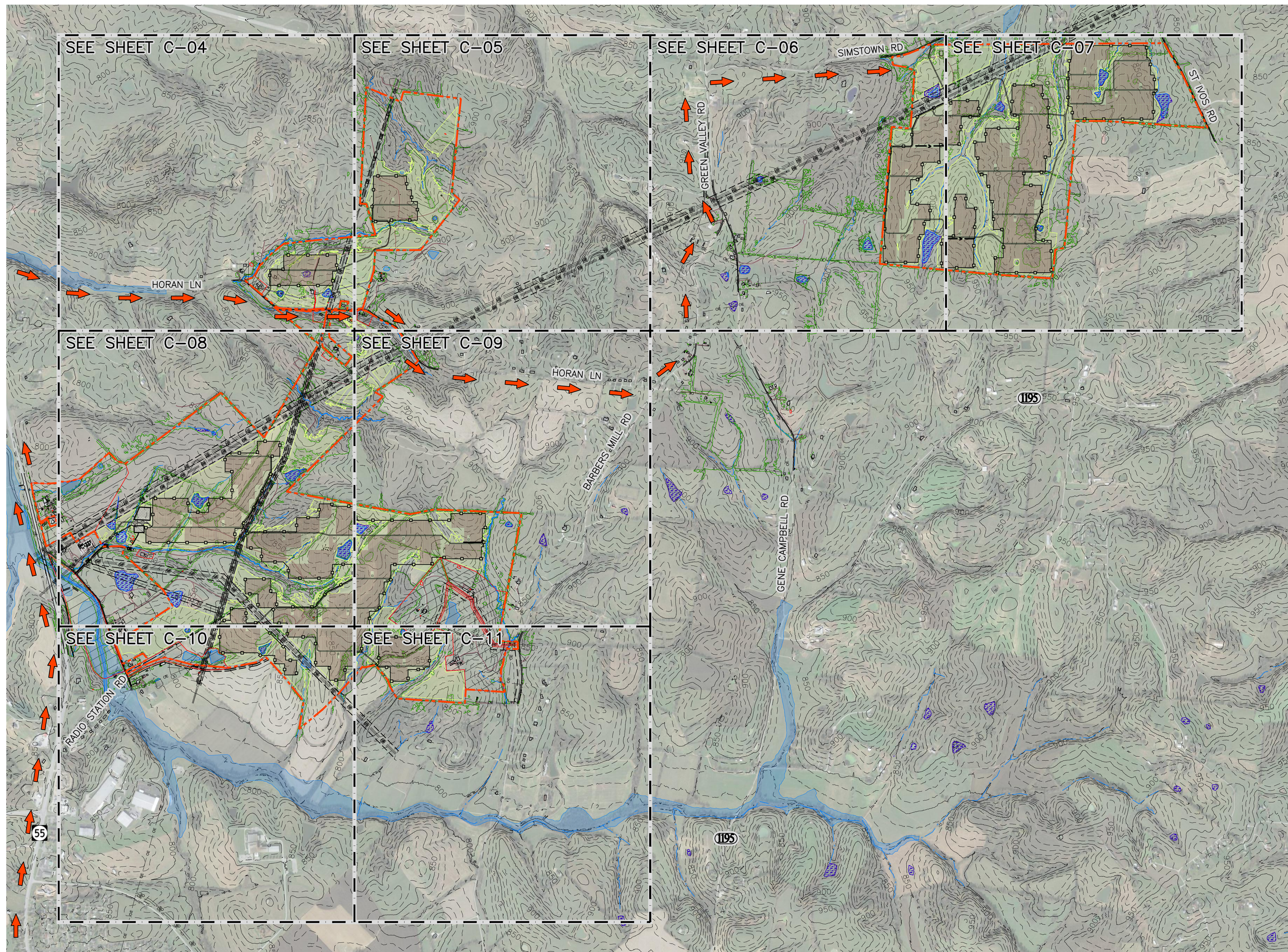
NO.	BY	CHK	APP.	DATE	REVISION DESCRIPTION

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Scale	AS SHOWN
Date	01/31/2024
Drawn	JAM6
Checked	ZJN
Designed	BARR
Approved	MBI



NORTHERN BOBWHITE SOLAR MARION COUNTY, KENTUCKY		BARR PROJECT No. 17751001.01	
		CLIENT PROJECT No. -	
EXISTING CONDITIONS		DWG. No. C-02	REV. No. E



**LEGEND**

- EXISTING 50' CONTOUR ——— 100 ———
- EXISTING 10' CONTOUR - - - - -
- EXISTING UNPAVED ROAD ———
- EXISTING PAVED ROAD ———
- WETLAND [Blue hatched pattern]
- WATER [Blue fill]
- DRAINAGE SWALE/CREEK [Blue dashed line]
- TREE LINE [Green wavy line]
- EXISTING FENCE — x — x — x —
- EXISTING OVERHEAD POWER — OE — OE — OE —
- DO NOT DISTURB [Red hatched pattern]
- PROJECT BOUNDARY [Red dashed line]
- PROJECT ACCESS AND DELIVERY ROUTE [Red arrow]
- SOLAR PANEL LAYOUT [Vertical lines]
- SOLAR PANEL BUILDABLE LAND [Yellow fill]
- PROPOSED ACCESS ROAD [Red dashed line]
- PROPOSED PERIMETER FENCE [Red dashed line with squares]

PROJECT SITE INPUTS			
ITEM	QUANTITY	UNIT	COMMENTS
PROJECT AC OUTPUT	96.0	MW	
PROJECT DC OUTPUT	123.87	MW	
DC / AC RATIO	1.29		
ARRAY GCR	42	%	
POWER BLOCKS	27	EA	
STRING SIZE	29	EA	MODULES
LONG TRACKER COMPOSITION	2	EA	STRINGS (58 MODULES)
LONG TRACKER QUANTITY	3024	EA	
SHORT TRACKER COMPOSITION	1	EA	STRING (29 MODULES)
SHORT TRACKER QUANTITY	81	EA	
MODULE TYPE	CS7N-700TB-AG		
RACKING TYPE	ATI SINGLE AXIS - DURATRACK HZ		
ROW SPACING	10	FT	
ROW SPACING FOR ROADS	40	FT	

TABLE: PROJECT SITE INPUTS

2

- NOTES:**
- CONTOURS SHOWN IN THIS SHEET ARE BASED ON USGS 5M DATA.

1 PLAN: OVERALL SITE PLAN  
 SCALE IN FEET  
 0 1000 2000

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NO.	BY	CHK	APP.	DATE	REVISION DESCRIPTION

REVIEW	DATE	DATE	DATE	DATE	DATE	DATE
10% DESIGN	07/02/21	08/05/22	02/02/24	02/15/24	04/25/24	05/06/24
90% DESIGN						
CONSTRUCTION						
RECORD						

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Date	01/31/2024
Drawn	JAM6
Checked	ZJN
Designed	BARR
Approved	MBI



**NORTHERN BOBWHITE SOLAR**  
 MARION COUNTY, KENTUCKY

OVERALL SITE PLAN  
 AND SHEET LAYOUT

BARR PROJECT No.	17751001.01
CLIENT PROJECT No.	-
DWG. No.	C-03
REV. No.	F



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CADD USER: Zach Nelson FILE: C:\JIN\NORTHERN BOBWHITE\17751001.01\_C-04.DWG PLOT SCALE: 1:1 PLOT DATE: 06/20/24 2:57 PM  
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SEE SHEET C-05

**LEGEND**

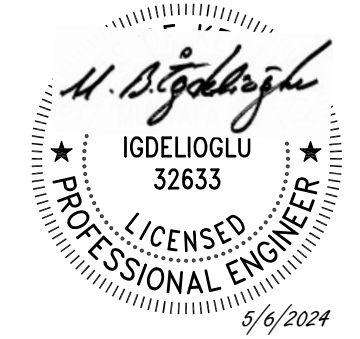
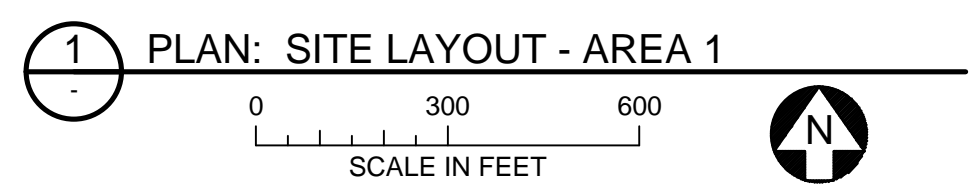
EXISTING 10' CONTOUR	—100—
EXISTING 2' CONTOUR	- - - - -
EXISTING UNPAVED ROAD	====
EXISTING PAVED ROAD	=====
WETLAND	[Blue wavy pattern]
WATER	[Blue solid]
DRAINAGE SWALE/CREEK	— — — — —
TREE LINE	— x — x — x —
EXISTING FENCE	— x — x — x —
EXISTING OVERHEAD POWER	— OE — OE — OE —
DO NOT DISTURB	[Red hatched box]
PROJECT BOUNDARY	— — — — —
PROJECT ACCESS AND DELIVERY ROUTE	[Red arrow]
SOLAR PANEL LAYOUT	[Vertical lines]
SOLAR PANEL BUILDABLE LAND	[Green hatched]
PROPOSED ACCESS ROAD	— — — — —
PROPOSED PERIMETER FENCE	— x — x — x —
PROPOSED ACCESS ROAD CENTERLINE	— — — — —
PROPOSED SOLAR PANEL BLOCKS	— — — — —
PROPOSED INVERTER	[Square]
PROPOSED LOW WATER CROSSING	[Crossing symbol]
PROPOSED CULVERT	[Culvert symbol]
PROPOSED DITCH	— — — — —
PROPOSED 10' CONTOURS	—100—
PROPOSED 2' CONTOURS	- - - - -
APPROXIMATE GRADING DAYLIGHT	— — — — —

**NOTES:**

- DEPRESSIONS AND NATURAL CHANNELS THAT MAY POSE A RISK OF CONCENTRATED FLOWS, SHALL BE GRADED TO MITIGATE SCOUR WITHIN SOLAR ARRAY. AREAS SHOWN FOR REFERENCE ONLY, CONTRACTOR SHALL DEFINE ACTUAL EXTENTS IN COORDINATION WITH THE CIVIL ENGINEER OF RECORD DURING FINAL DESIGN
- REQUIRED GRADING AREA SHALL COMPLY WITH THE TOLERANCES OF THE TRACKING SYSTEM. VERIFY GRADING WITH THE PRODUCT TOLERANCES PRIOR TO CONSTRUCTION
- PROJECT ACCESS, PENDING ROAD REVIEW AND BRIDGE EVALUATION.

**KEY MAP**

C-04	C-05	C-06	C-07
C-08	C-09		
C-10	C-11		



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Drawn	JAM6
Checked	ZJN
Designed	BARR
Approved	MBI



NORTHERN BOBWHITE SOLAR MARION COUNTY, KENTUCKY		BARR PROJECT No. 17751001.01
SITE LAYOUT AREA 1		CLIENT PROJECT No. -
DWG. No. C-04	REV. No. E	

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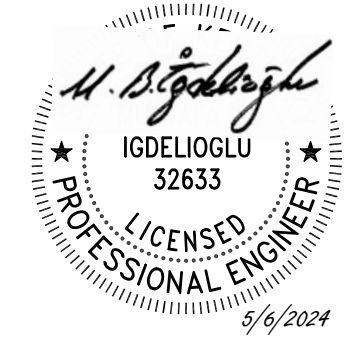
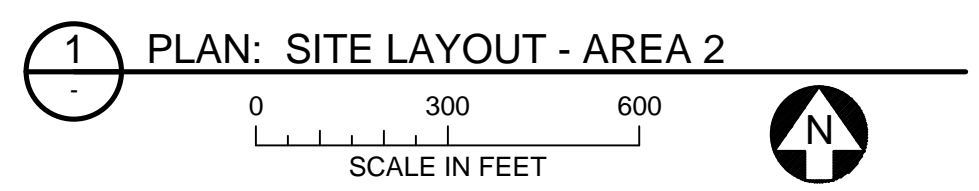
**LEGEND**

EXISTING 10' CONTOUR	—100—
EXISTING 2' CONTOUR	- - - - -
EXISTING UNPAVED ROAD	====
EXISTING PAVED ROAD	=====
WETLAND	[Blue wavy pattern]
WATER	[Blue solid]
DRAINAGE SWALE/CREEK	— — — — —
TREE LINE	— — — — —
EXISTING FENCE	- x - x - x -
EXISTING OVERHEAD POWER	- OE - OE - OE -
DO NOT DISTURB	[Red hatched box]
PROJECT BOUNDARY	[Red dashed line]
PROJECT ACCESS AND DELIVERY ROUTE	[Red arrow]
SOLAR PANEL LAYOUT	[Vertical lines]
SOLAR PANEL BUILDABLE LAND	[Yellow shaded area]
PROPOSED ACCESS ROAD	— — — — —
PROPOSED PERIMETER FENCE	- o - o - o -
PROPOSED ACCESS ROAD CENTERLINE	- - - - -
PROPOSED SOLAR PANEL BLOCKS	[Blue dashed lines]
PROPOSED INVERTER	[Green square]
PROPOSED LOW WATER CROSSING	[Green X]
PROPOSED CULVERT	[Red X]
PROPOSED DITCH	- - - - -
PROPOSED 10' CONTOURS	—100—
PROPOSED 2' CONTOURS	- - - - -
APPROXIMATE GRADING DAYLIGHT	- - - - -

- NOTES:**
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  - PROJECT ACCESS, PENDING ROAD REVIEW AND BRIDGE EVALUATION.

**KEY MAP**

C-04	C-05	C-06	C-07
C-08	C-09		
C-10	C-11		



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SEE SHEET C-09

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Designed	BARR
Approved	MBI



NORTHERN BOBWHITE SOLAR MARION COUNTY, KENTUCKY		BARR PROJECT No. 17751001.01
SITE LAYOUT AREA 2		CLIENT PROJECT No. -
DWG. No. C-05	REV. No. E	

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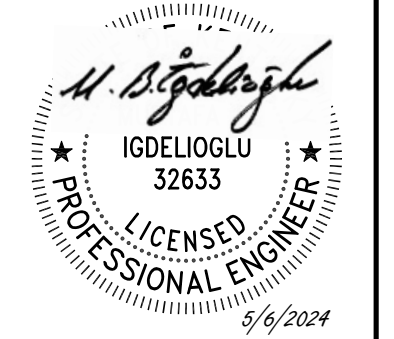
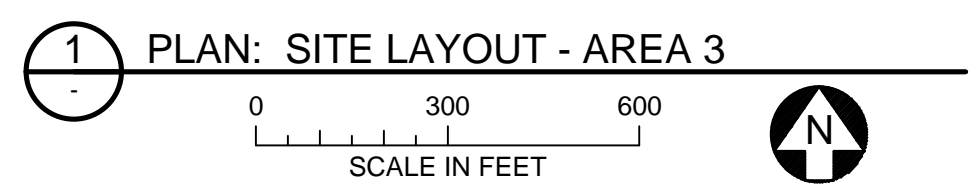
**LEGEND**

EXISTING 10' CONTOUR	—100—
EXISTING 2' CONTOUR	- - - - -
EXISTING UNPAVED ROAD	====
EXISTING PAVED ROAD	====
WETLAND	[Blue wavy pattern]
WATER	[Blue fill]
DRAINAGE SWALE/CREEK	— — — — —
TREE LINE	— — — — —
EXISTING FENCE	- x - x - x -
EXISTING OVERHEAD POWER	- OE - OE - OE -
DO NOT DISTURB	[Red hatched box]
PROJECT BOUNDARY	[Red dashed line]
PROJECT ACCESS AND DELIVERY ROUTE	[Red arrow]
SOLAR PANEL LAYOUT	[Vertical lines]
SOLAR PANEL BUILDABLE LAND	[Yellow fill]
PROPOSED ACCESS ROAD	====
PROPOSED PERIMETER FENCE	- o - o - o -
PROPOSED ACCESS ROAD CENTERLINE	- - - - -
PROPOSED SOLAR PANEL BLOCKS	[Blue dashed line]
PROPOSED INVERTER	[Green square]
PROPOSED LOW WATER CROSSING	[Green X]
PROPOSED CULVERT	[Red X]
PROPOSED DITCH	- - - - -
PROPOSED 10' CONTOURS	—100—
PROPOSED 2' CONTOURS	- - - - -
APPROXIMATE GRADING DAYLIGHT	- - - - -

- NOTES:**
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  - PROJECT ACCESS, PENDING ROAD REVIEW AND BRIDGE EVALUATION.

**KEY MAP**

C-04	C-05	C-06	C-07
C-08	C-09		
C-10	C-11		



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**NORTHERN BOBWHITE SOLAR**  
 MARION COUNTY, KENTUCKY

**SITE LAYOUT AREA 3**

BARR PROJECT No. 17751001.01	
CLIENT PROJECT No. -	
DWG. No. C-06	REV. No. E

CADD USER: Zach Nelson FILE: C:\JIN\NORTHERN BOBWHITE\17751001.01\_C-07.DWG PLOT SCALE: 1:1 PLOT DATE: 6/6/2024 2:57 PM  
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SEE SHEET C-06



LEGEND

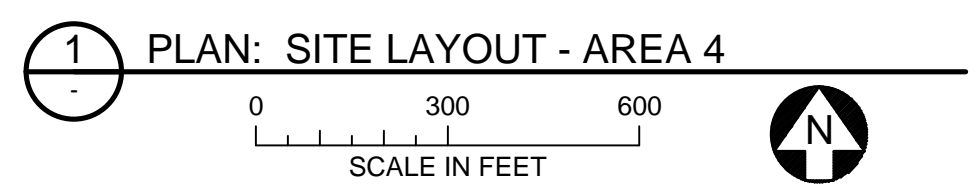
EXISTING 10' CONTOUR	—100—
EXISTING 2' CONTOUR	- - - - -
EXISTING UNPAVED ROAD	====
EXISTING PAVED ROAD	=====
WETLAND	[Blue wavy pattern]
WATER	[Blue solid]
DRAINAGE SWALE/CREEK	— — — — —
TREE LINE	— x — x — x —
EXISTING FENCE	- x - x - x -
EXISTING OVERHEAD POWER	- OE - OE - OE -
DO NOT DISTURB	[Red hatched area]
PROJECT BOUNDARY	[Red dashed line]
PROJECT ACCESS AND DELIVERY ROUTE	[Red arrow]
SOLAR PANEL LAYOUT	[Vertical lines]
SOLAR PANEL BUILDABLE LAND	[Yellow shaded area]
PROPOSED ACCESS ROAD	====
PROPOSED PERIMETER FENCE	- o - o - o -
PROPOSED ACCESS ROAD CENTERLINE	- - - - -
PROPOSED SOLAR PANEL BLOCKS	[Blue dashed lines]
PROPOSED INVERTER	[Green square]
PROPOSED LOW WATER CROSSING	[Green bridge symbol]
PROPOSED CULVERT	[Red bridge symbol]
PROPOSED DITCH	- - - - -
PROPOSED 10' CONTOURS	—100—
PROPOSED 2' CONTOURS	- - - - -
APPROXIMATE GRADING DAYLIGHT	- - - - -

NOTES:

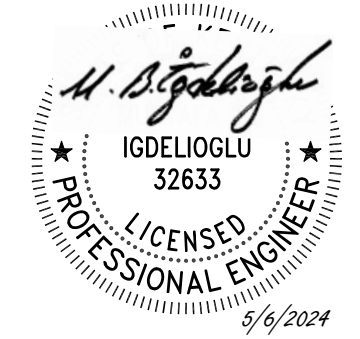
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- PROJECT ACCESS, PENDING ROAD REVIEW AND BRIDGE EVALUATION.

C-04	C-05	C-06	[Hatched]
C-08	C-09		
C-10	C-11		

KEY MAP



1 PLAN: SITE LAYOUT - AREA 4



10% DESIGN  
 NOT FOR CONSTRUCTION  
 05/06/2024

NO.	BY	CHK.	APP.	DATE	REVISION DESCRIPTION

REVIEW					
10% DESIGN	07/02/24	08/05/24	02/02/24	02/15/24	05/08/24
90% DESIGN					
CONSTRUCTION					
RECORD					
RELEASED TO/FOR	A	B	C	D	E
DATE RELEASED					

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Scale	AS SHOWN
Date	01/31/2024
Drawn	JAM6
Checked	ZJN
Designed	BARR
Approved	MBI



NORTHERN BOBWHITE SOLAR MARION COUNTY, KENTUCKY		BARR PROJECT No. 17751001.01
SITE LAYOUT AREA 4		CLIENT PROJECT No. -
DWG. No. C-07	REV. No. E	

SEE SHEET C-04



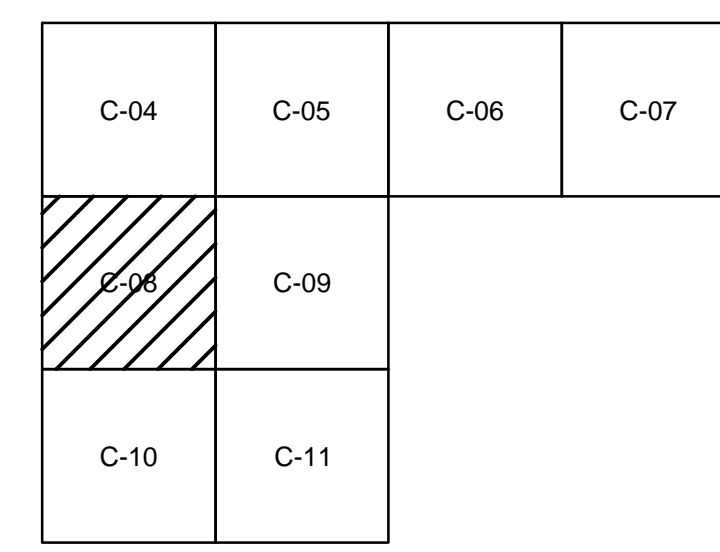
SEE SHEET C-09

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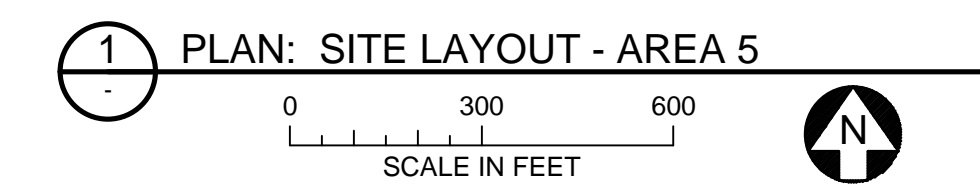
- EXISTING 10' CONTOUR ——— 100 ———
- EXISTING 2' CONTOUR - - - - -
- EXISTING UNPAVED ROAD = = = = =
- EXISTING PAVED ROAD = = = = =
- WETLAND [Blue wavy pattern]
- WATER [Blue solid fill]
- DRAINAGE SWALE/CREEK [Blue dashed line]
- TREE LINE [Green dashed line]
- EXISTING FENCE - x - x - x -
- EXISTING OVERHEAD POWER - OE - OE - OE -
- DO NOT DISTURB [Red hatched area]
- PROJECT BOUNDARY [Red dashed line]
- PROJECT ACCESS AND DELIVERY ROUTE [Red arrow]
- SOLAR PANEL LAYOUT [Vertical lines]
- SOLAR PANEL BUILDABLE LAND [Yellow fill]
- PROPOSED ACCESS ROAD [Grey line]
- PROPOSED PERIMETER FENCE [Dashed line with circles]
- PROPOSED ACCESS ROAD CENTERLINE [Dashed line]
- PROPOSED SOLAR PANEL BLOCKS [Blue dashed line]
- PROPOSED INVERTER [Green square]
- PROPOSED LOW WATER CROSSING [Green square with X]
- PROPOSED CULVERT [Red X]
- PROPOSED DITCH [Red dashed line]
- PROPOSED 10' CONTOURS ——— 100 ———
- PROPOSED 2' CONTOURS - - - - -
- APPROXIMATE GRADING DAYLIGHT [Dashed line]

NOTES:

1. DEPRESSIONS AND NATURAL CHANNELS THAT MAY POSE A RISK OF CONCENTRATED FLOWS, SHALL BE GRADED TO MITIGATE SCOUR WITHIN SOLAR ARRAY. AREAS SHOWN FOR REFERENCE ONLY, CONTRACTOR SHALL DEFINE ACTUAL EXTENTS IN COORDINATION WITH THE CIVIL ENGINEER OF RECORD DURING FINAL DESIGN
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3. PROJECT ACCESS, PENDING ROAD REVIEW AND BRIDGE EVALUATION.



KEY MAP



1 PLAN: SITE LAYOUT - AREA 5



10% DESIGN  
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05/06/2024

SEE SHEET C-10

CADD USER: Zach Nelson FILE: C:\JUN\NORTHERN BOBWHITE\17751001.01\_C-08.DWG PLOT SCALE: 1:1 PLOT DATE: 5/6/2024 2:57 PM  
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NO.	BY	CHK	APP.	DATE	REVISION DESCRIPTION

REVIEW	DATE	BY	APP.	
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90% DESIGN				
CONSTRUCTION				
RECORD				

Project Office:  
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 Fax: (952) 832-2601  
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Date	01/31/2024
Drawn	JAM6
Checked	ZJN
Designed	BARR
Approved	MBI



NORTHERN BOBWHITE SOLAR MARION COUNTY, KENTUCKY		BARR PROJECT No. 17751001.01	
		CLIENT PROJECT No. -	
SITE LAYOUT AREA 5		DWG. No. C-08	REV. No. E



SEE SHEET C-05

SEE SHEET C-08



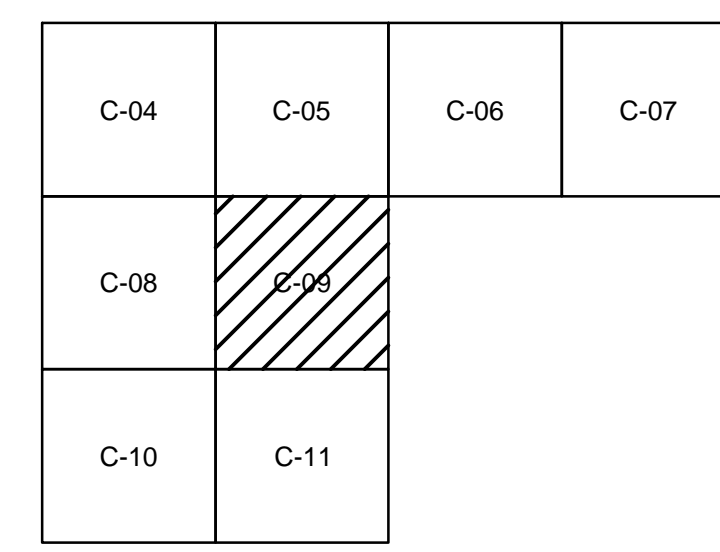
SEE SHEET C-11

LEGEND

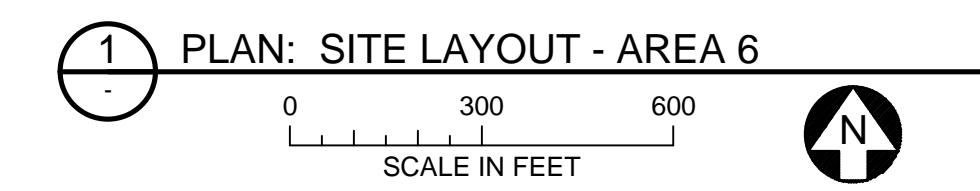
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- DRAINAGE SWALE/CREEK - - - - -
- TREE LINE [Green wavy line]
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- EXISTING OVERHEAD POWER - O - O - O -
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- PROJECT BOUNDARY - - - - -
- PROJECT ACCESS AND DELIVERY ROUTE [Red arrow]
- SOLAR PANEL LAYOUT [Vertical lines]
- SOLAR PANEL BUILDABLE LAND [Yellow fill]
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- PROPOSED PERIMETER FENCE - o - o - o -
- PROPOSED ACCESS ROAD CENTERLINE - - - - -
- PROPOSED SOLAR PANEL BLOCKS [Blue dashed line]
- PROPOSED INVERTER [Square with X]
- PROPOSED LOW WATER CROSSING [Green box with X]
- PROPOSED CULVERT [Red bridge symbol]
- PROPOSED DITCH - - - - -
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- APPROXIMATE GRADING DAYLIGHT - - - - -

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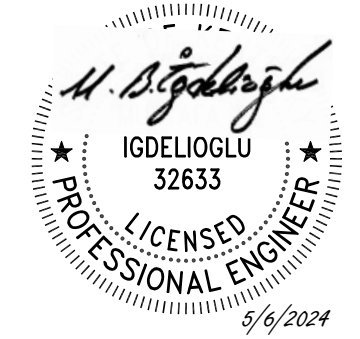
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KEY MAP



1 PLAN: SITE LAYOUT - AREA 6



10% DESIGN  
NOT FOR CONSTRUCTION  
05/06/2024

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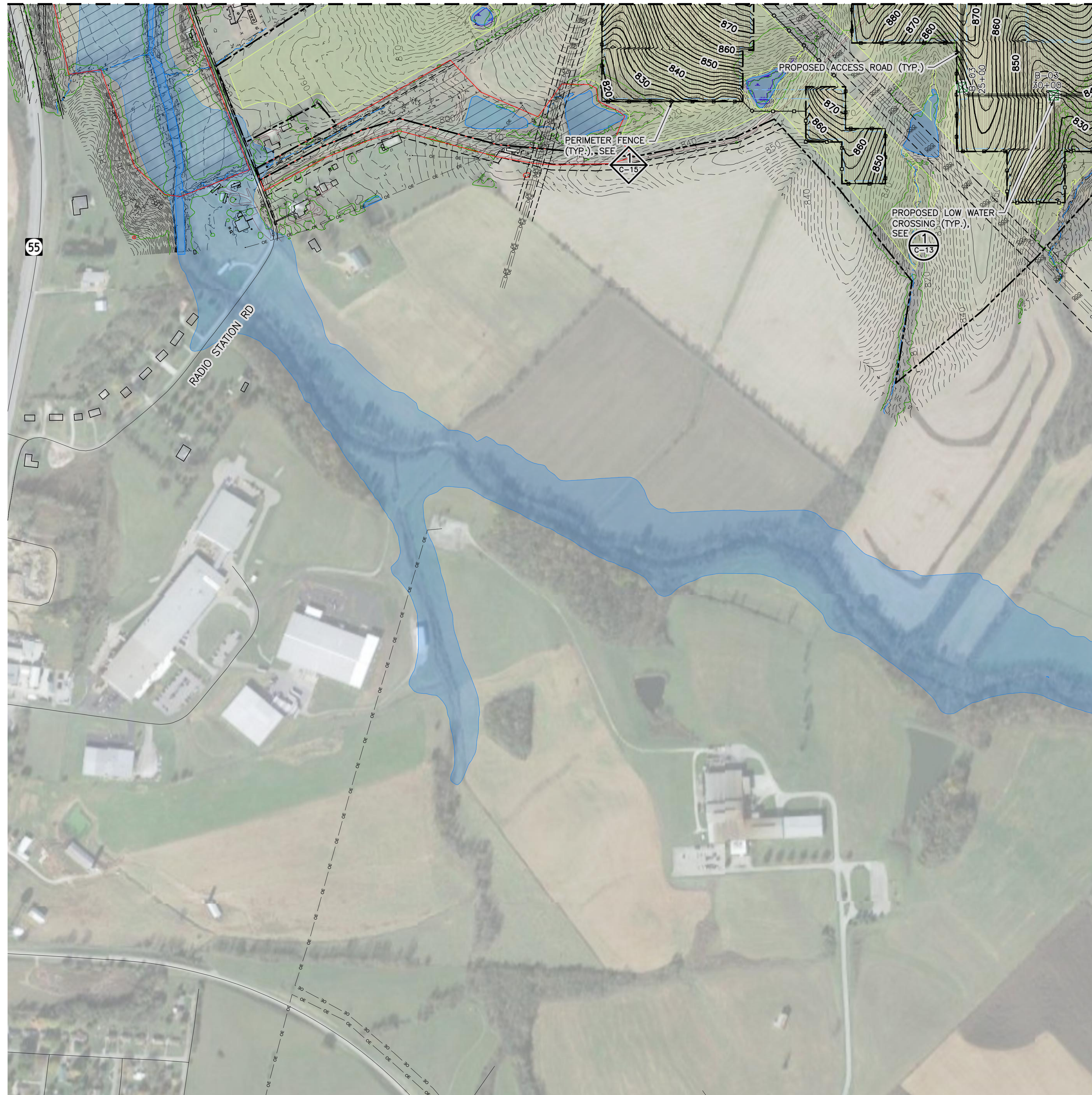
Corporate Headquarters:  
Minneapolis, Minnesota  
Ph: 1-800-632-2277  
Ph: 1-800-632-2277

Scale	AS SHOWN
Date	01/31/2024
Drawn	JAM6
Checked	ZJN
Designed	BARR
Approved	MBI



NORTHERN BOBWHITE SOLAR MARION COUNTY, KENTUCKY		BARR PROJECT No. 17751001.01	
SITE LAYOUT AREA 6		CLIENT PROJECT No. -	
DWG. No. C-09	REV. No. E		

SEE SHEET C-08



SEE SHEET C-11

**LEGEND**

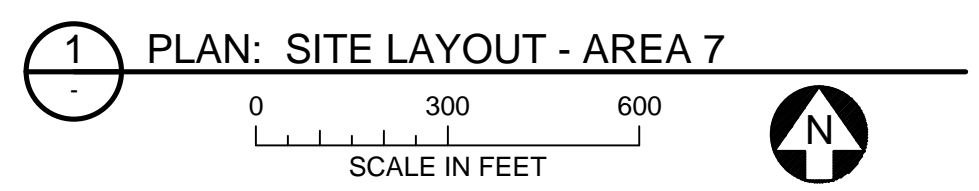
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- WATER [Blue fill]
- DRAINAGE SWALE/CREEK - - - - -
- TREE LINE - - - - -
- EXISTING FENCE - x - x - x -
- EXISTING OVERHEAD POWER - OE - OE - OE -
- DO NOT DISTURB [Red hatched box]
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- PROJECT ACCESS AND DELIVERY ROUTE [Red arrow]
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- PROPOSED ACCESS ROAD = = = = =
- PROPOSED PERIMETER FENCE - o - o - o -
- PROPOSED ACCESS ROAD CENTERLINE - - - - -
- PROPOSED SOLAR PANEL BLOCKS [Blue dashed line]
- PROPOSED INVERTER [Green square]
- PROPOSED LOW WATER CROSSING [Green square with X]
- PROPOSED CULVERT [Red bridge symbol]
- PROPOSED DITCH - - - - -
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- PROPOSED 2' CONTOURS - - - - -
- APPROXIMATE GRADING DAYLIGHT - - - - -

**NOTES:**

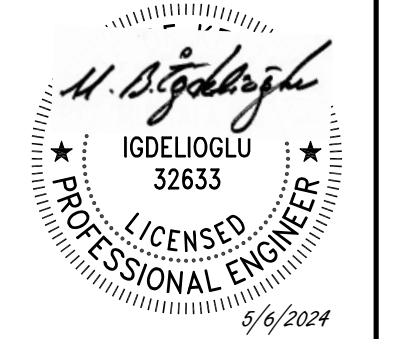
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C-04	C-05	C-06	C-07
C-08	C-09		
C-10	C-11		

**KEY MAP**



1 PLAN: SITE LAYOUT - AREA 7



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05/06/2024

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Designed	BARR
Approved	MBI



<b>NORTHERN BOBWHITE SOLAR</b> MARION COUNTY, KENTUCKY		BARR PROJECT No. 17751001.01	
SITE LAYOUT AREA 7		CLIENT PROJECT No. -	
DWG. No. C-10	REV. No. E		

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SEE SHEET C-10

LEGEND

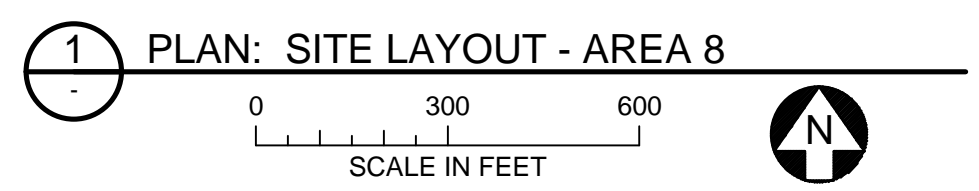
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- WETLAND [Blue wavy pattern]
- WATER [Blue fill]
- DRAINAGE SWALE/CREEK [Blue dashed line]
- TREE LINE [Green dashed line]
- EXISTING FENCE - x - x - x -
- EXISTING OVERHEAD POWER - OE - OE - OE -
- DO NOT DISTURB [Red hatched area]
- PROJECT BOUNDARY [Red dashed line]
- PROJECT ACCESS AND DELIVERY ROUTE [Red arrow]
- SOLAR PANEL LAYOUT [Vertical lines]
- SOLAR PANEL BUILDABLE LAND [Yellow fill]
- PROPOSED ACCESS ROAD [Grey line]
- PROPOSED PERIMETER FENCE [Dashed line with squares]
- PROPOSED ACCESS ROAD CENTERLINE [Dashed line]
- PROPOSED SOLAR PANEL BLOCKS [Blue dashed line]
- PROPOSED INVERTER [Square symbol]
- PROPOSED LOW WATER CROSSING [Crossing symbol]
- PROPOSED CULVERT [Crossing symbol]
- PROPOSED DITCH [Dashed line]
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- APPROXIMATE GRADING DAYLIGHT [Dashed line]

NOTES:

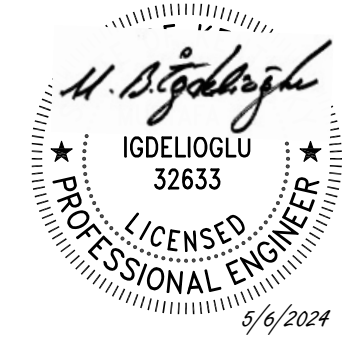
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C-04	C-05	C-06	C-07
C-08	C-09		
C-10	C-11		

KEY MAP



1 PLAN: SITE LAYOUT - AREA 8



10% DESIGN  
NOT FOR CONSTRUCTION  
05/06/2024

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Scale	AS SHOWN
Date	01/31/2024
Drawn	JAM6
Checked	ZJN
Designed	BARR
Approved	MBI



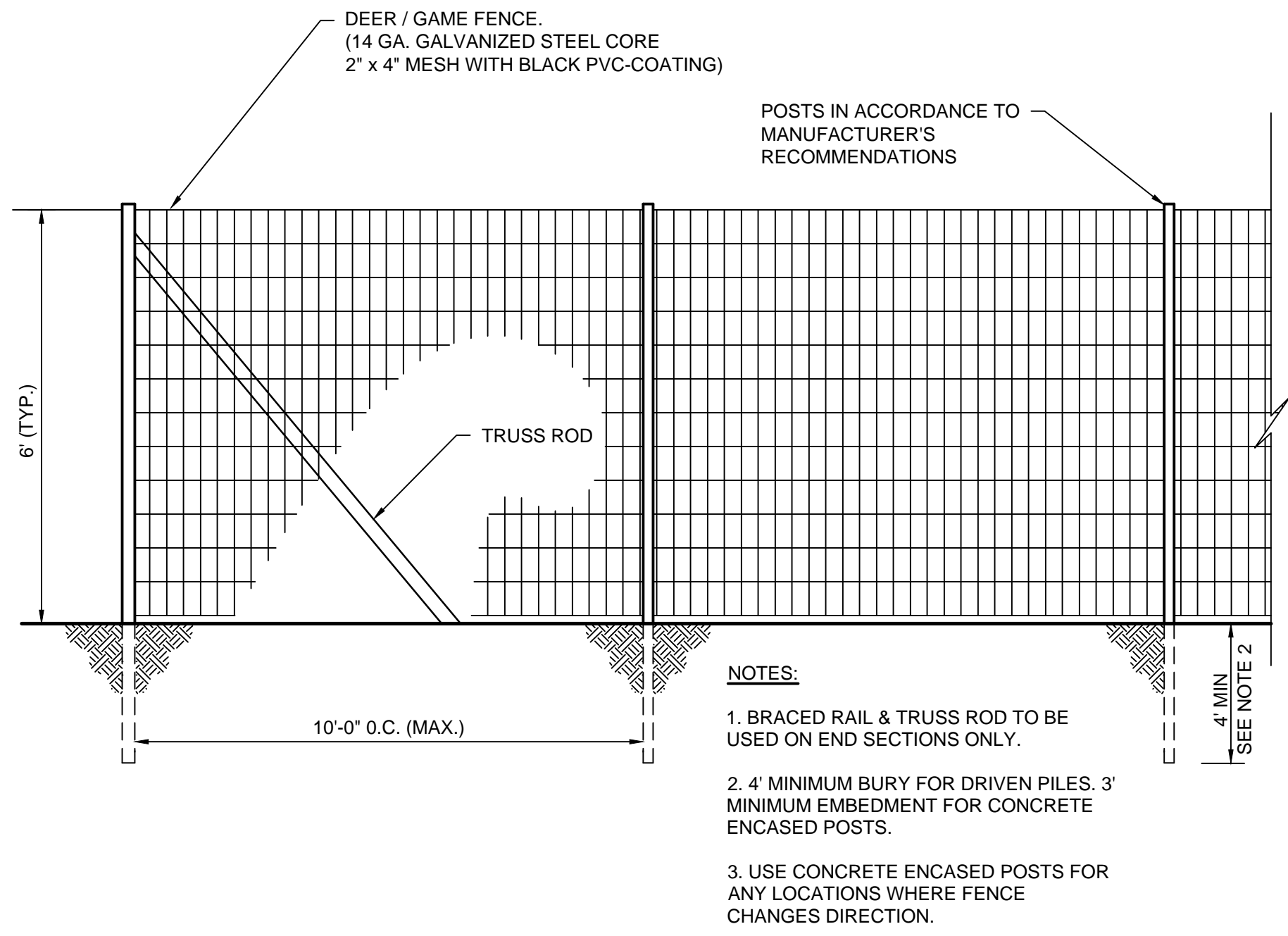
NORTHERN BOBWHITE SOLAR MARION COUNTY, KENTUCKY		BARR PROJECT No. 17751001.01	
		CLIENT PROJECT No. -	
SITE LAYOUT AREA 8		DWG. No. C-11	REV. No. E

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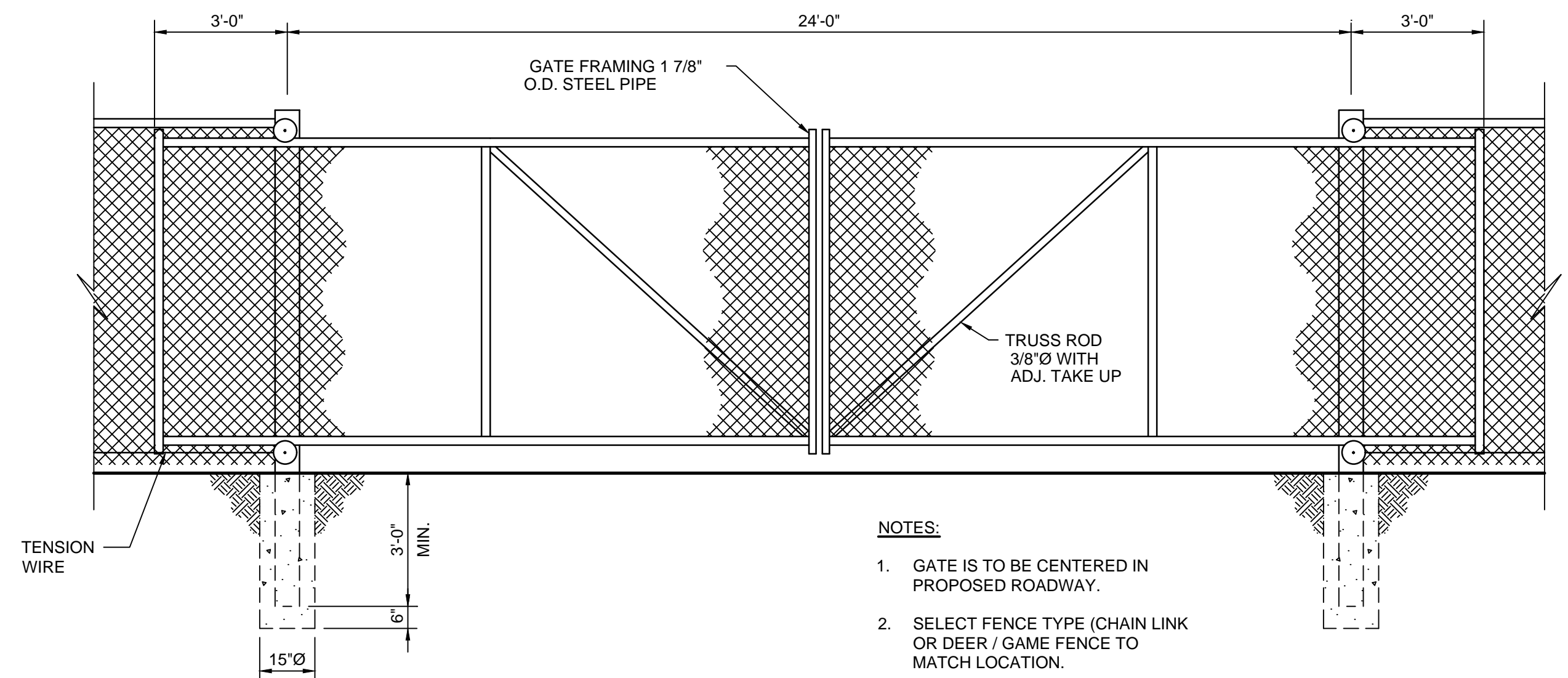






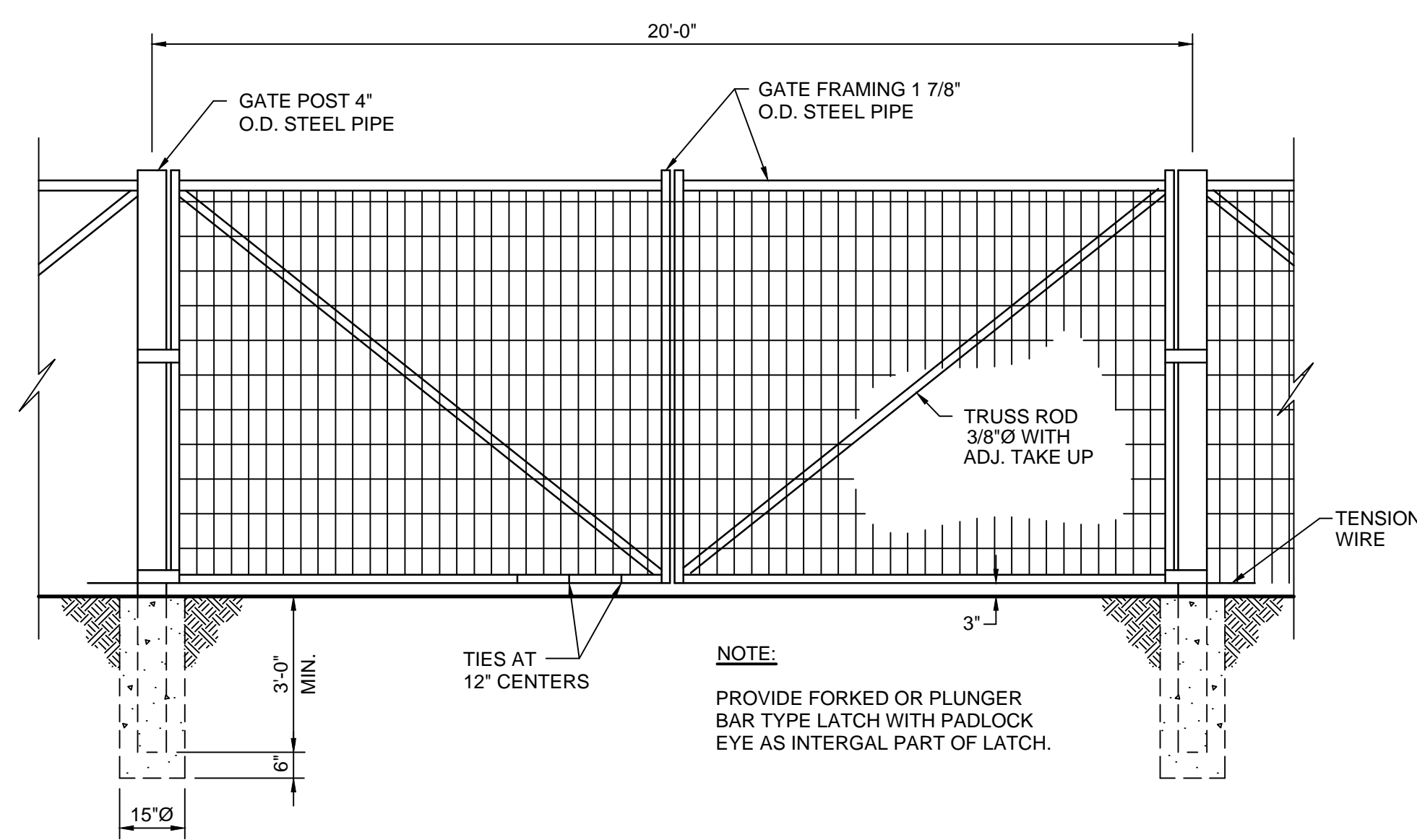


**1** DETAIL: PRERIMETER FENCE (TYP.)  
NOT TO SCALE

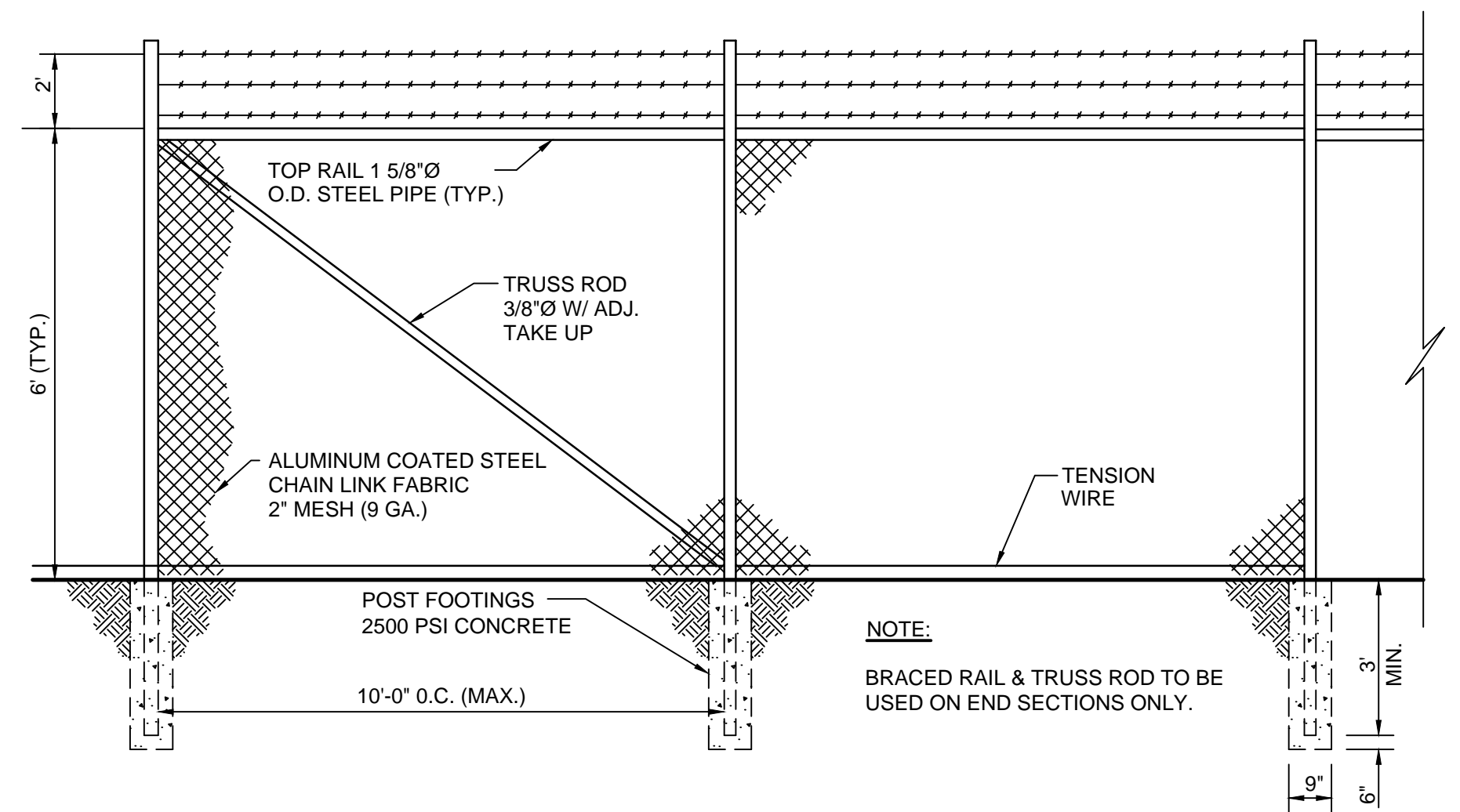


**3** DETAIL: SUBSTATION ROAD SLIDE ENTRANCE GATE (TYP.)  
NOT TO SCALE

\*\*\*PRELIMINARY SECTIONS  
& DETAILS\*\*\*  
TO BE DETERMINED  
DURING FINAL DESIGN



**2** DETAIL: PERIMETER FENCE SWING ENTRANCE GATE (TYP.)  
NOT TO SCALE



**4** DETAIL: SUBSTATION FENCE (TYP.)  
NOT TO SCALE



10% DESIGN  
NOT FOR CONSTRUCTION  
05/06/2024

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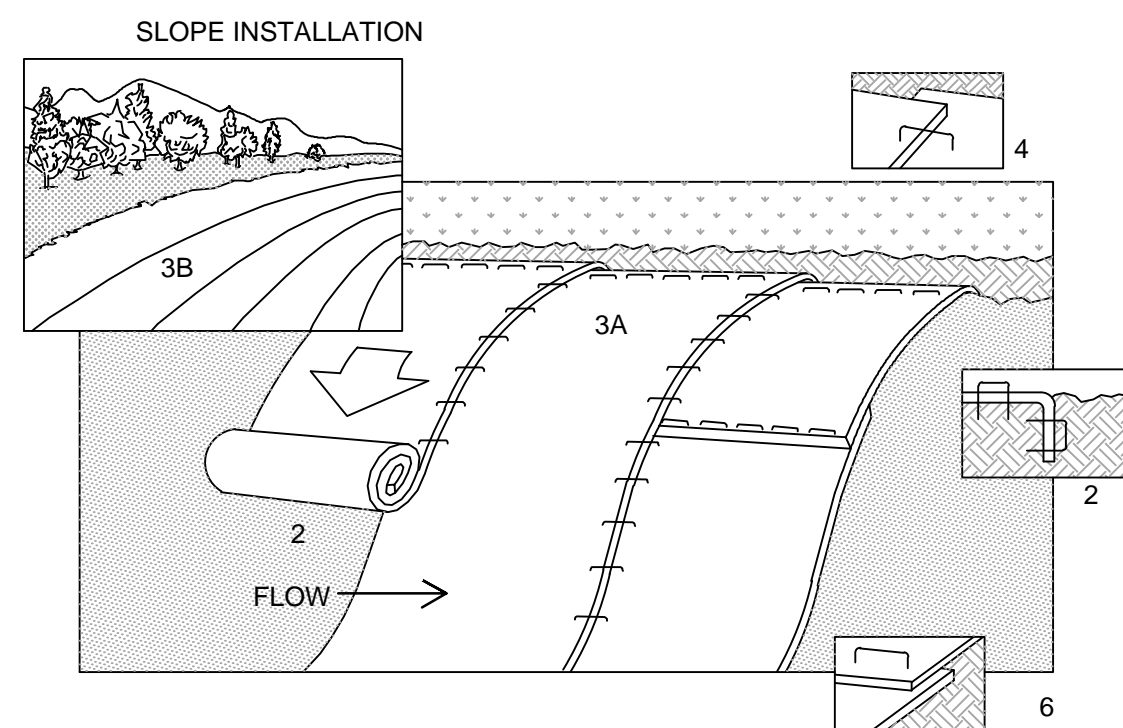
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Checked	ZJN
Designed	BARR
Approved	MBI

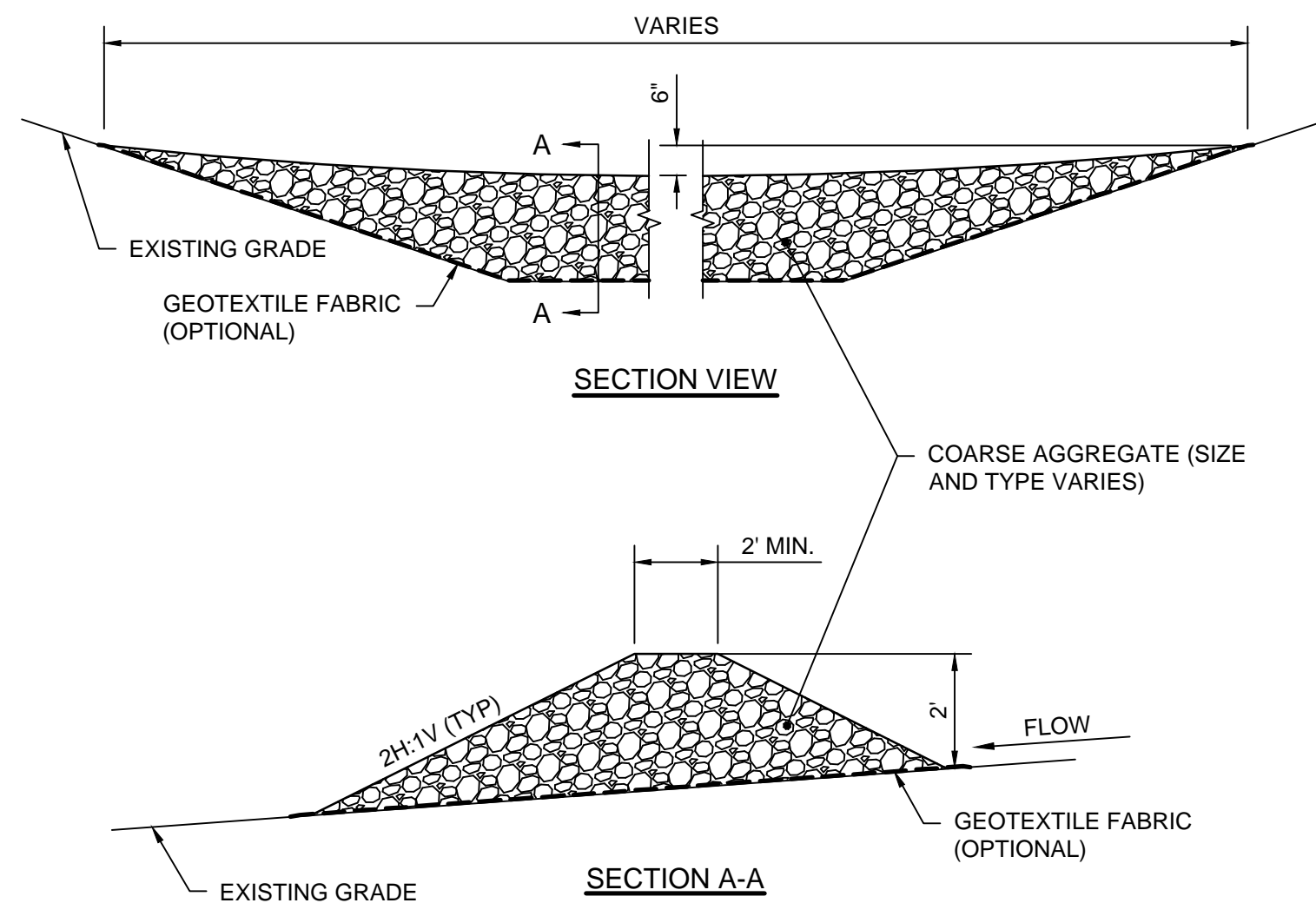


NORTHERN BOBWHITE SOLAR MARION COUNTY, KENTUCKY		BARR PROJECT No. 17751001.01	
		CLIENT PROJECT No. -	
MISCELLANEOUS SECTIONS AND DETAILS		DWG. No.	REV. No.
		C-15	E



- NOTES:**
- REFER TO MANUFACTURER RECOMMENDATIONS FOR STAPLE PATTERNS FOR SLOPE INSTALLATIONS.
  - PREPARE SOIL BY LOOSENING TOP 1-2 INCHES AND APPLY SEED (AND FERTILIZER WHERE REQUIRED) PRIOR TO INSTALLING BLANKETS. GROUND SHOULD BE SMOOTH AND FREE OF DEBRIS.
  - BEGIN (A) AT THE TOP OF THE SLOPE AND ROLL THE BLANKETS DOWN OR (B) AT ONE END OF THE SLOPE AND ROLL THE BLANKETS HORIZONTALLY ACROSS THE SLOPE.
  - THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 6" OVERLAP, WITH THE UPHILL BLANKET ON TOP.
  - WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 6" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART.
  - ALL EROSION CONTROL BLANKETS MUST BE RATED FOR A MINIMUM 2 YR LIFE EXPECTANCY.

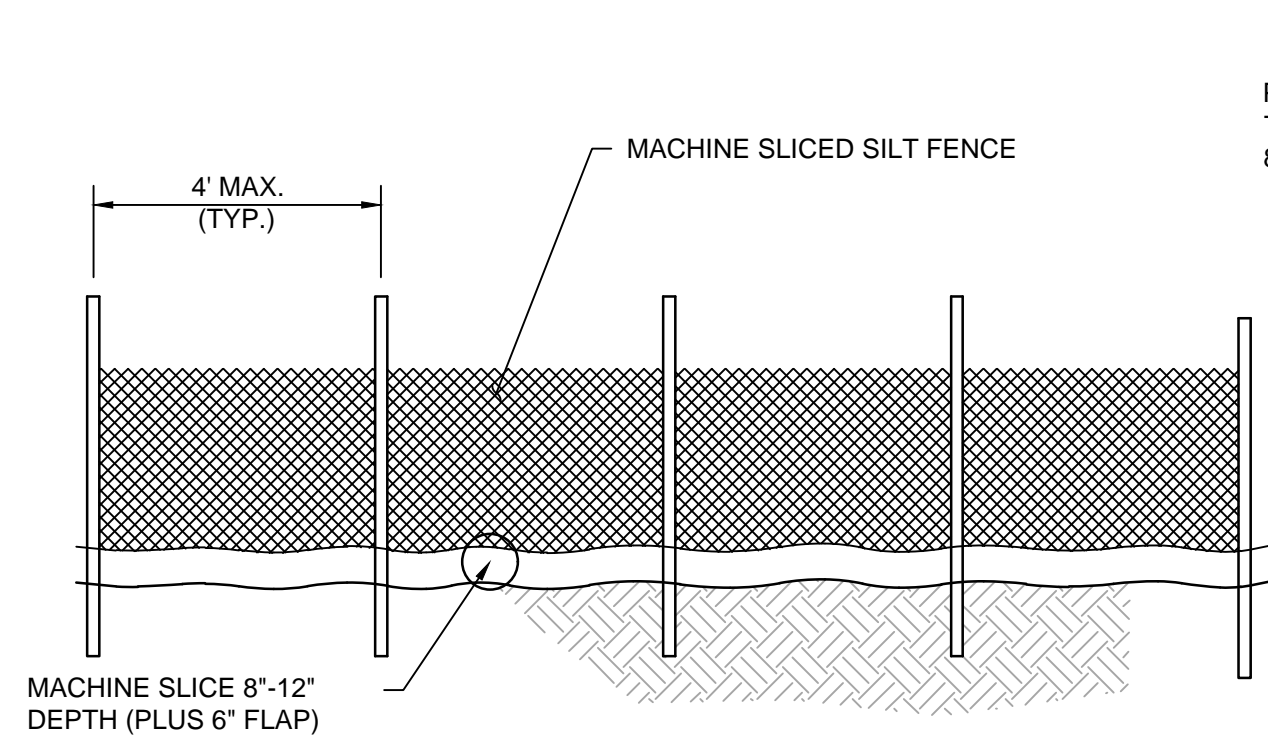
**1** **DETAIL: EROSION CONTROL BLANKET - INSTALLATION**  
NOT TO SCALE



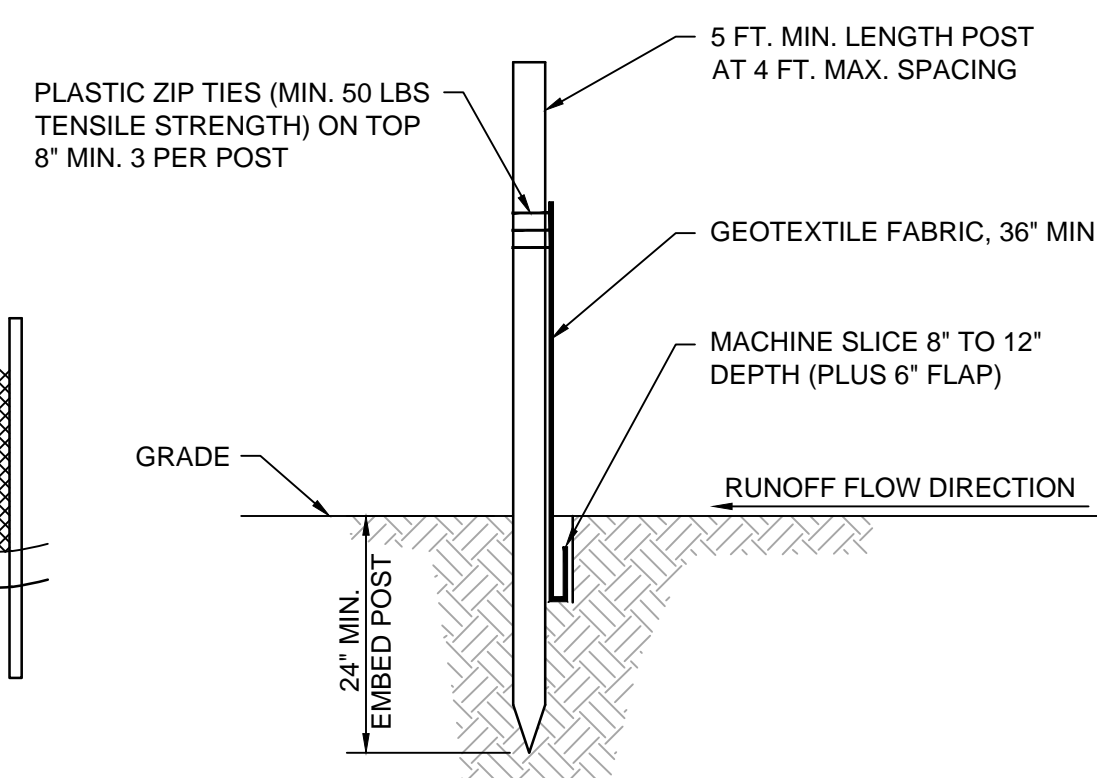
- NOTES:**
- AGGREGATE SIZE MAY VARY AND DEPENDING ON CHANNEL SIZE, FLOW, SEDIMENT LOAD OR OTHER SITE CONDITIONS. AGGREGATE USED SHOULD BE RELATIVELY FREE OF SEDIMENT PRIOR TO INSTALLATION.
  - CLEAN OR REPLACE ROCK FILTER DIKE WHEN SEDIMENT BUILD UP REACHES 1/2 OF THE DIKE HEIGHT. ALTERNATIVELY A SECOND ROCK FILTER DIKE MAY BE INSTALLED DOWNSTREAM OF THE EXISTING DIKE AT A SUITABLE DISTANCE.
  - MAINTAIN ROCK FILTER DIKE THROUGHOUT THE CONSTRUCTION PERIOD. REMOVE ALL ROCK, GEOTEXTILE AND ANY ACCUMULATED SEDIMENT IN CONJUNCTION WITH FINAL GRADING AND SITE STABILIZATION.

**2** **DETAIL: ROCK FILTER DIKE**  
NOT TO SCALE

**\*\*\*PRELIMINARY DETAILS\*\*\*  
TO BE DETERMINED  
DURING FINAL DESIGN**



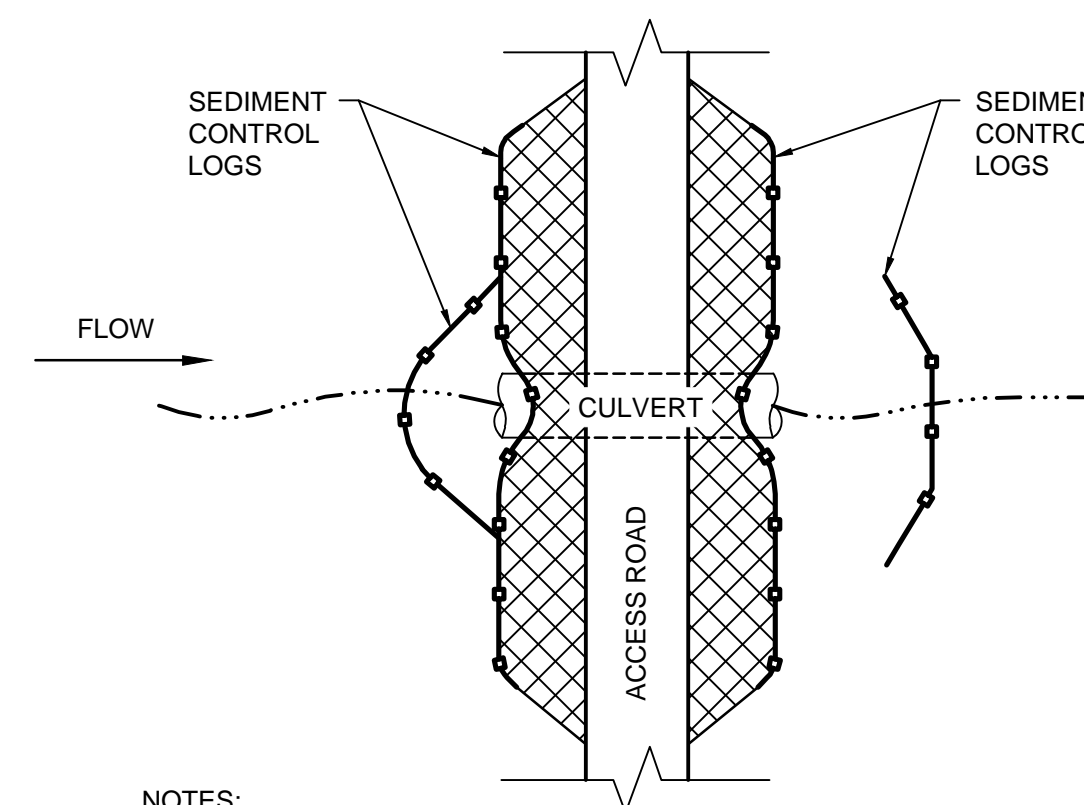
**DOWNSTREAM VIEW**



**SECTION VIEW**

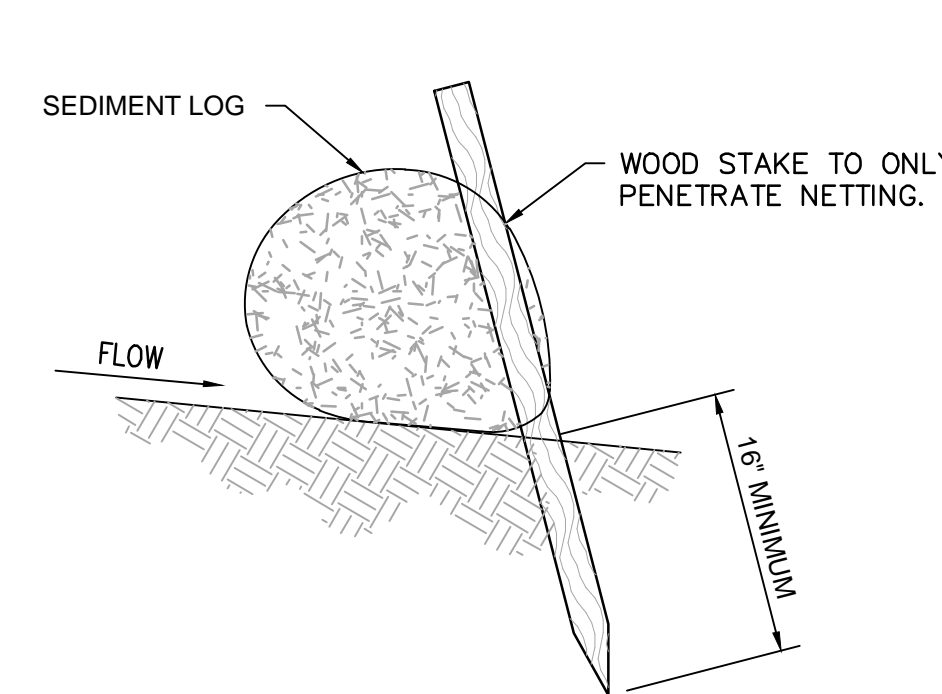
- NOTES:**
- INSTALL SILT FENCE PRIOR TO ANY GRADING WORK (AS NEEDED) IN THE AREA TO BE PROTECTED AND MAINTAIN THROUGHOUT THE CONSTRUCTION PERIOD. REMOVE SILT FENCE AND ANY ACCUMULATED SEDIMENT IN CONJUNCTION WITH THE FINAL GRADING AND SITE STABILIZATION.
  - PREPARE AREA AS NEEDED TO SMOOTH SURFACE OR REMOVE DEBRIS. NO HOLES OR GAPS SHALL BE PRESENT IN/UNDER SILT FENCE.
  - WHEN SPLICES ARE NECESSARY MAKE SPlice AT POST. PLACE THE END POST OF THE SECOND FENCE INSIDE THE END POST OF THE FIRST FENCE. ROTATE BOTH POSTS TOGETHER AT LEAST 180 DEGREES TO CREATE A TIGHT SEAL WITH THE FABRIC MATERIAL. CUT THE FABRIC NEAR THE BOTTOM OF THE POSTS TO ACCOMMODATE THE 6 INCH FLAP. THEN DRIVE BOTH POSTS AND BURY THE FLAP. COMPACT BACKFILL.
  - REMOVE ACCUMULATED SEDIMENT WHEN BUILD UP REACHES 1/3 OF FENCE HEIGHT, OR INSTALL A SECOND SILT FENCE UPSTREAM OF THE EXISTING FENCE AT A SUITABLE DISTANCE.

**5** **DETAIL: SILT FENCE - MACHINE SLICED**  
NOT TO SCALE

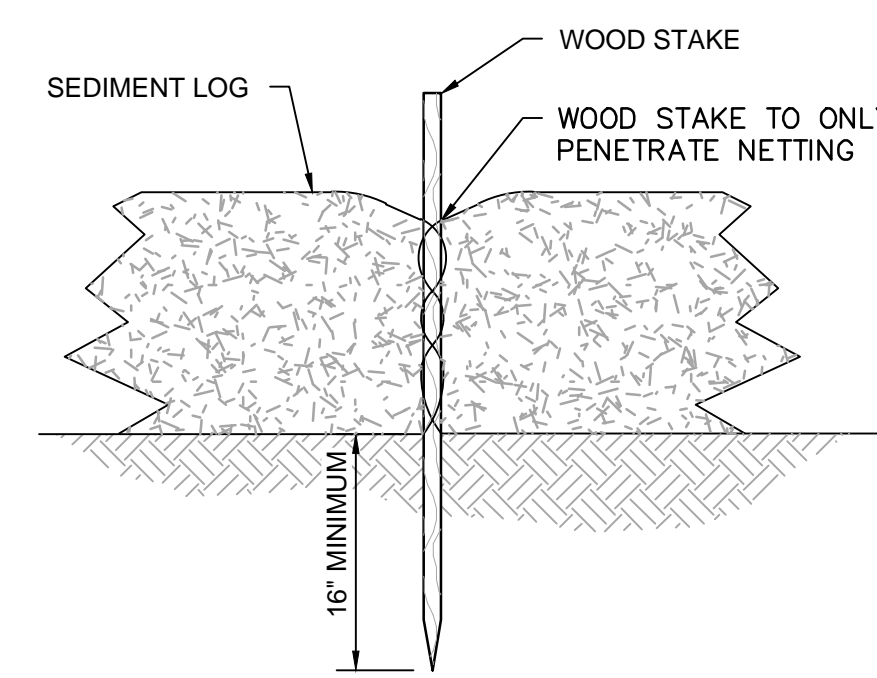


- NOTES:**
- PROTECT SLOPES WITH GRAVEL OR 2 YR RATED EROSION CONTROL BLANKETS WITH SEED.
  - KEY IN TOP EDGE OF BLANKET (IF BLANKETS ARE USED).

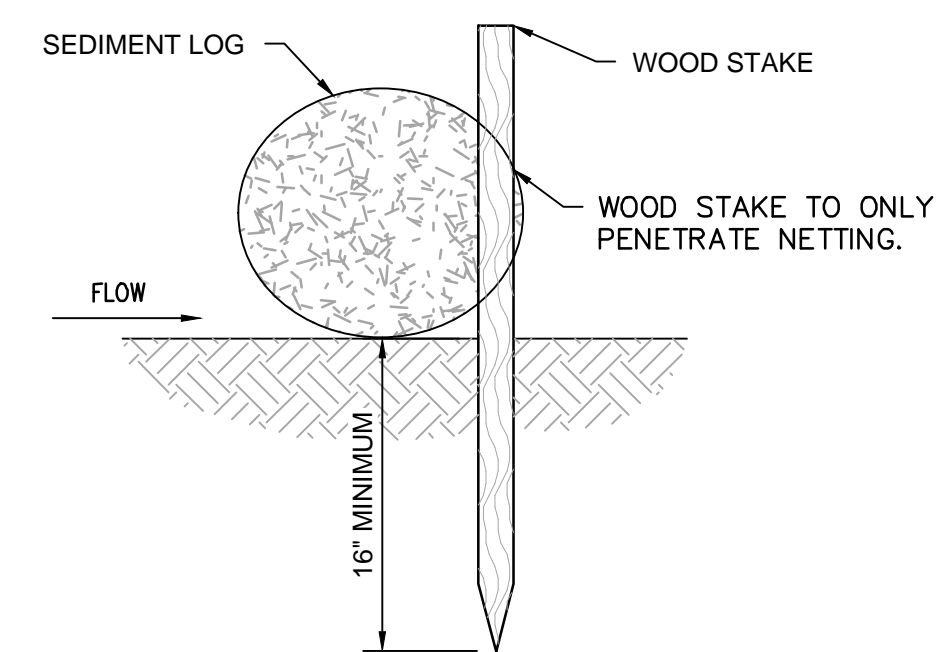
**3** **DETAIL: NEW CULVERT INSTALLATION**  
NOT TO SCALE



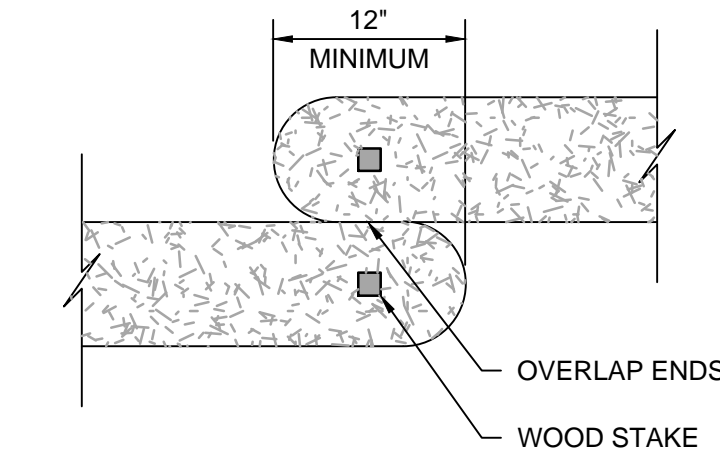
**SIDE VIEW ON SLOPE**



**FRONT VIEW**



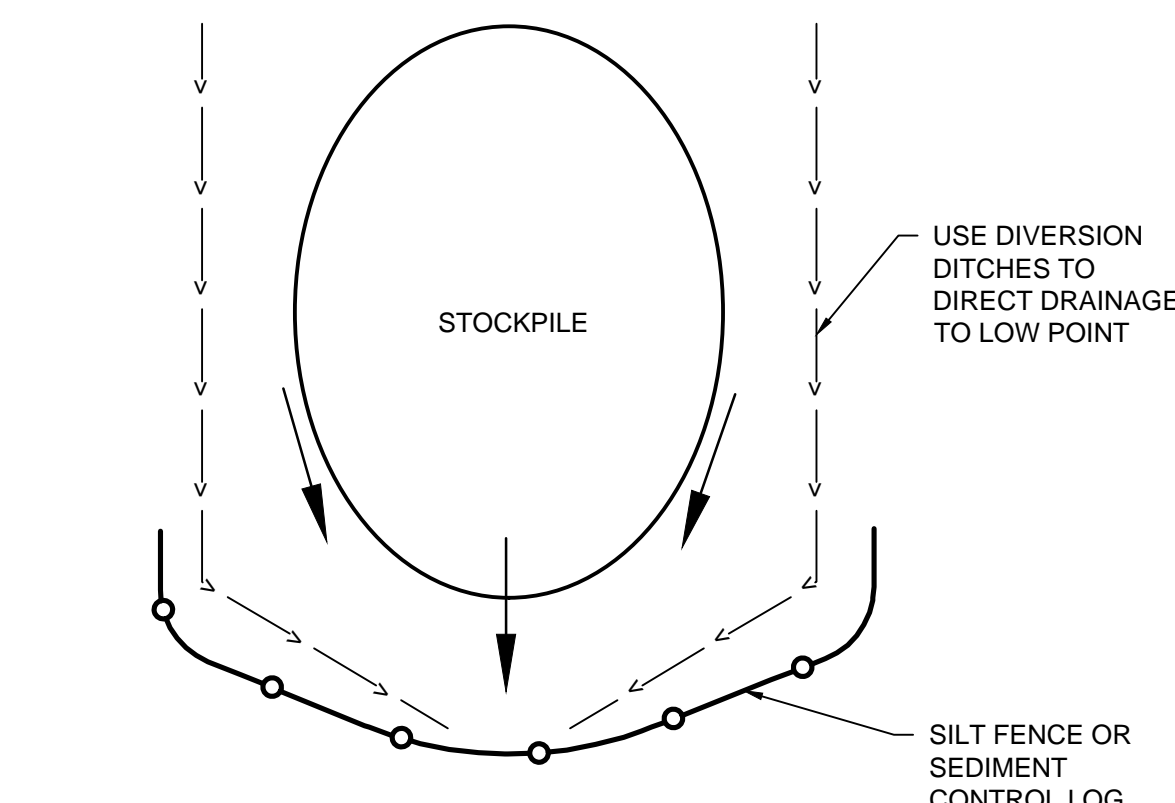
**SIDE VIEW FLAT**



**TOP VIEW**

- NOTES:**
- PREPARE AREA AS NEEDED TO SMOOTH SURFACE OR REMOVE DEBRIS. NO GAPS SHALL BE PRESENT UNDER SEDIMENT LOG.
  - INSTALL SEDIMENT CONTROL LOG ALONG CONTOURS (CONSTANT ELEVATION).
  - REMOVE ACCUMULATED SEDIMENT WHEN REACHING 1/3 OF LOG HEIGHT.
  - MAINTAIN SEDIMENT CONTROL LOG THROUGHOUT THE CONSTRUCTION PERIOD AND REPAIR OR REPLACE AS REQUIRED.
  - 9" MINIMUM SIZE FOR ALL SEDIMENT CONTROL LOGS.

**6** **DETAIL: SEDIMENT CONTROL LOG - STAKING**  
NOT TO SCALE



- NOTES:**
- USE WATER, TARP, TEMPORARY SEEDING, OR SURFACE ROUGHENING FOR EROSION CONTROL ON SOIL STOCKPILES.

**4** **DETAIL: SOIL STOCKPILES BMPs**  
NOT TO SCALE

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REVIEW	DATE	DATE	DATE	DATE	DATE
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90% DESIGN					
CONSTRUCTION					
RECORD					

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**NORTHERN BOBWHITE SOLAR**  
MARION COUNTY, KENTUCKY

**EROSION CONTROL SECTIONS AND DETAILS**

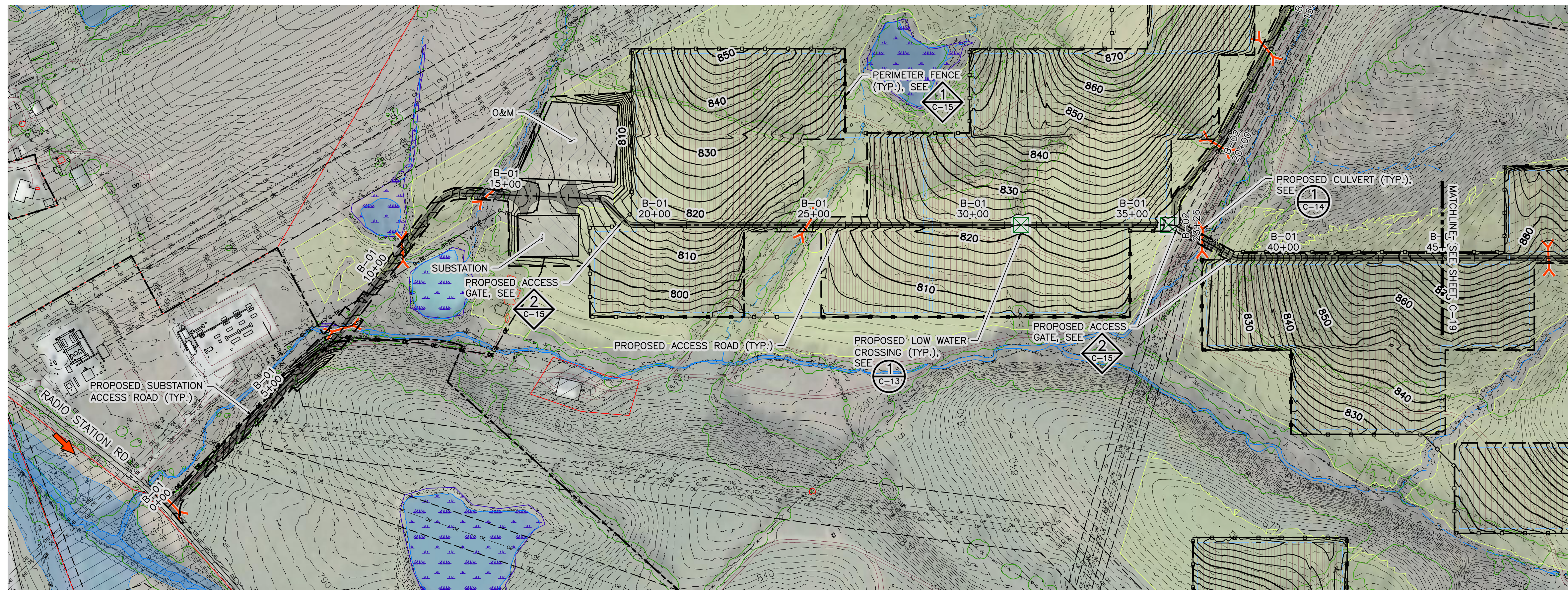
BARR PROJECT No. 17751001.01  
CLIENT PROJECT No. -  
DWG. No. C-16  
REV. No. E

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05/06/2024





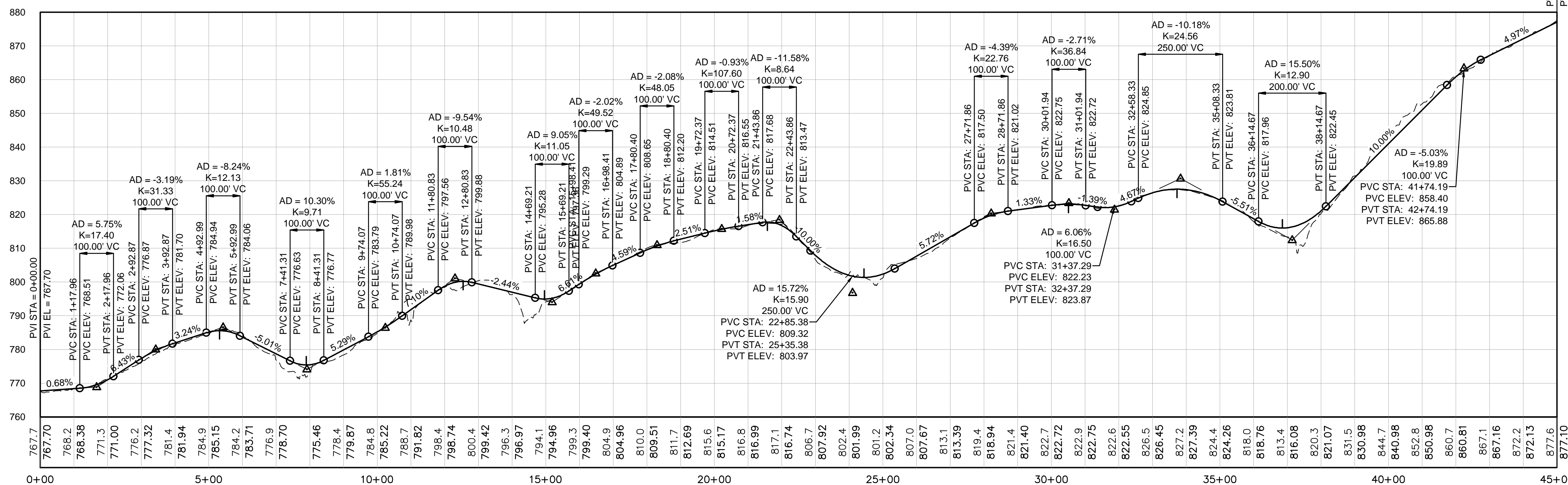




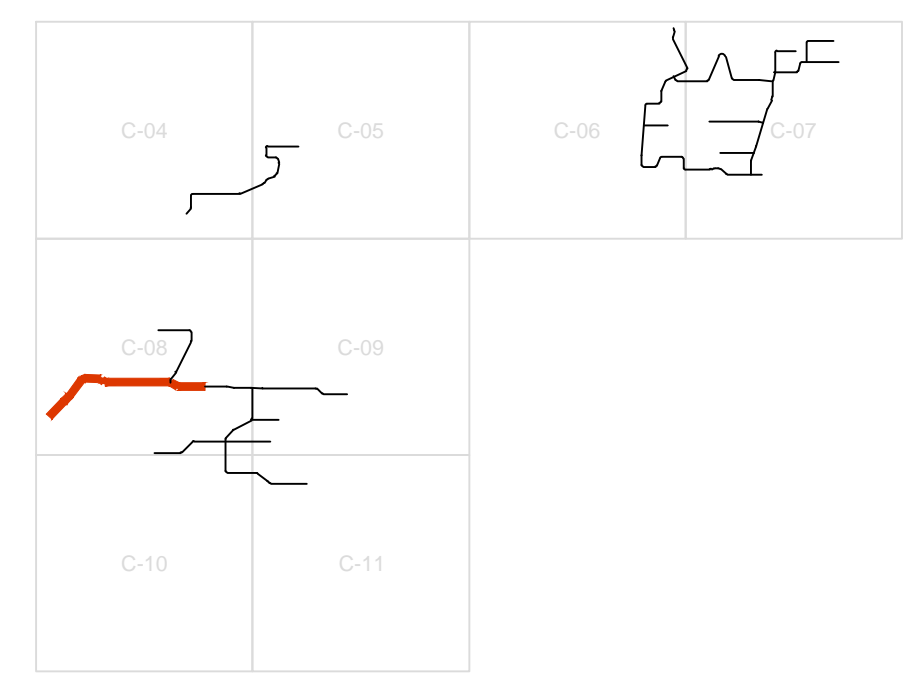
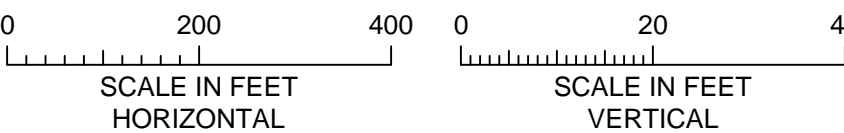
**LEGEND**

- EXISTING 10' CONTOUR
- EXISTING 2' CONTOUR
- EXISTING UNPAVED ROAD
- EXISTING PAVED ROAD
- WETLAND
- FEMA 100 YR FLOOD AREA
- DRAINAGE SWALE/CREEK
- TREE LINE
- EXISTING FENCE
- EXISTING OVERHEAD POWER
- DO NOT DISTURB
- PROJECT BOUNDARY
- PROJECT ACCESS AND DELIVERY ROUTE
- SOLAR PANEL LAYOUT
- SOLAR PANEL BUILDABLE LAND
- PROPOSED ACCESS ROAD
- PROPOSED PERIMETER FENCE
- PROPOSED ACCESS ROAD CENTERLINE
- PROPOSED SOLAR PANEL BLOCKS
- PROPOSED INVERTER
- PROPOSED LOW WATER CROSSING
- PROPOSED CULVERT
- PROPOSED DITCH
- PROPOSED 10' CONTOURS
- PROPOSED 2' CONTOURS
- APPROXIMATE GRADING DAYLIGHT

1 PLAN: ROAD B-01 - STA 0+00 - 45+00



2 PROFILE: ROAD B-01 - STA 0+00 - 45+00



KEY MAP



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05/06/2024

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NO.	BY	CHK	APP.	DATE	REVISION DESCRIPTION

Project Office:  
**BARR ENGINEERING CO.**  
 4300 MARKETPOINTE DRIVE  
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 Corporate Headquarters:  
 Minneapolis, Minnesota  
 Ph: 1-800-632-2277  
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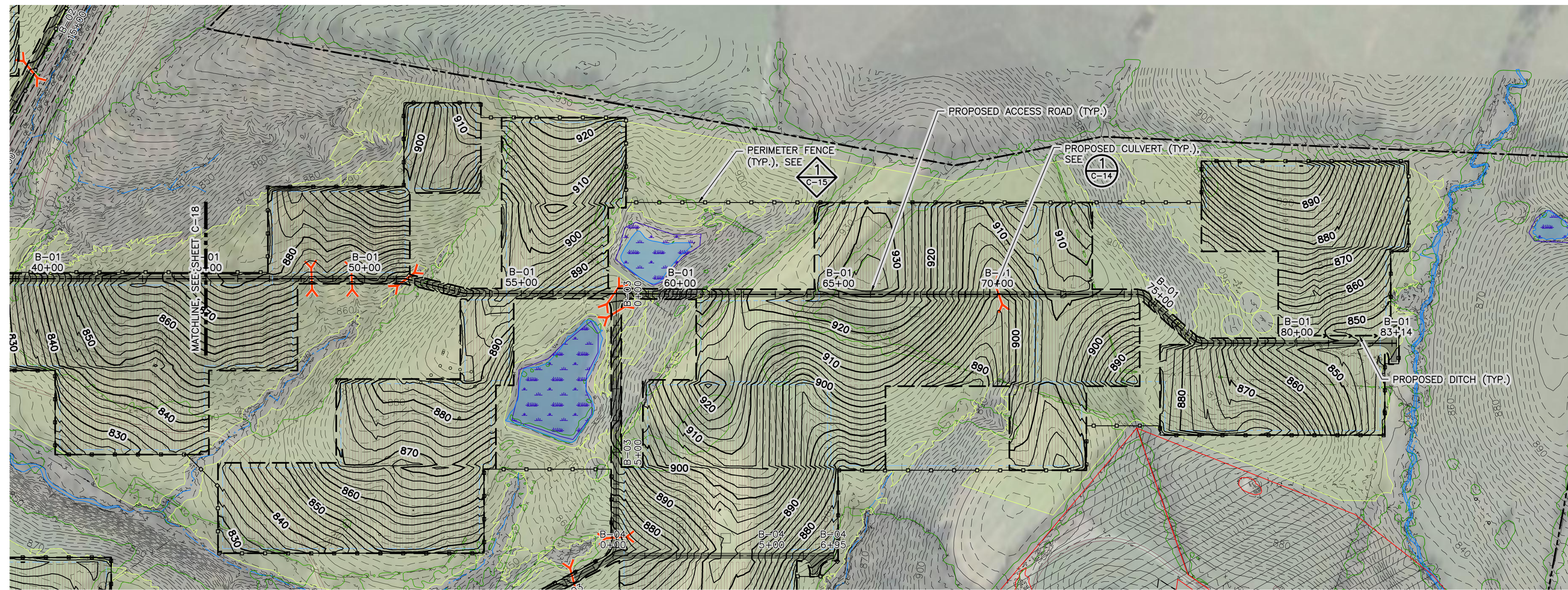
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Date	01/31/2024
Drawn	JAM6
Checked	ZJN
Designed	BARR
Approved	MBI



**NORTHERN BOBWHITE SOLAR**  
 MARION COUNTY, KENTUCKY

PLAN AND PROFILE  
 ROAD B-01 - STA 0+00 - 45+00

BARR PROJECT No.	17751001.01
CLIENT PROJECT No.	-
DWG. No.	C-18
REV. No.	E

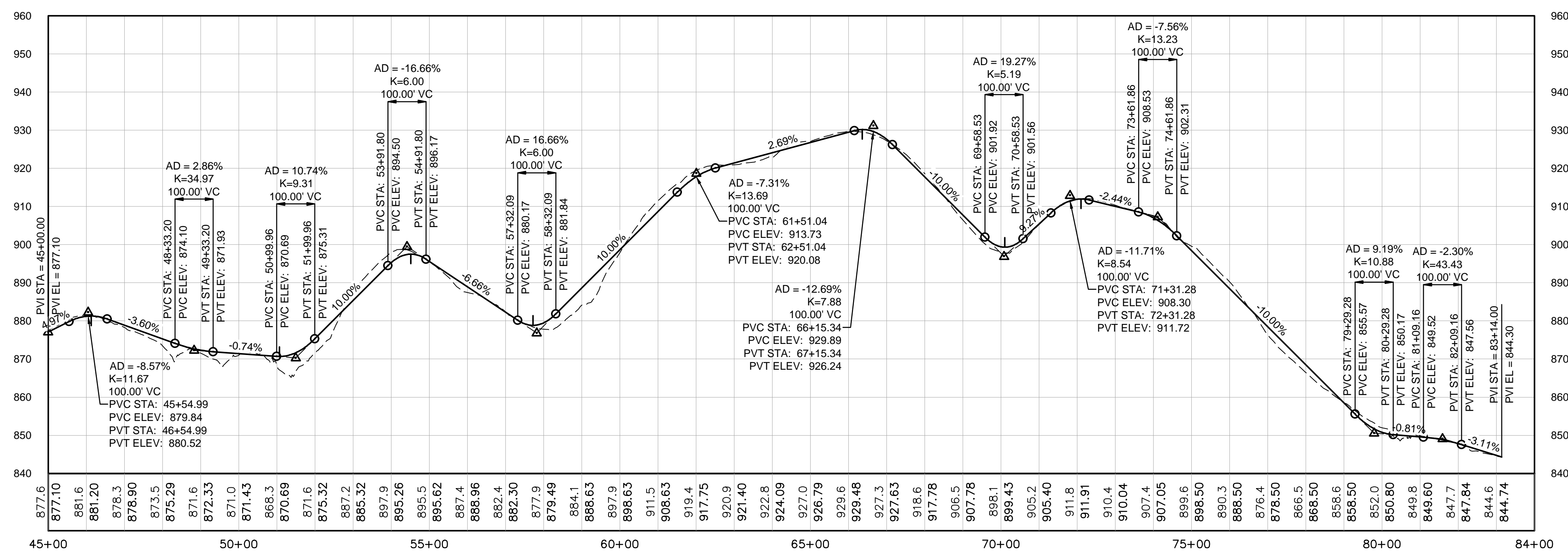


**LEGEND**

- EXISTING 10' CONTOUR
- EXISTING 2' CONTOUR
- EXISTING UNPAVED ROAD
- EXISTING PAVED ROAD
- WETLAND
- FEMA 100 YR FLOOD AREA
- DRAINAGE SWALE/CREEK
- TREE LINE
- EXISTING FENCE
- EXISTING OVERHEAD POWER
- DO NOT DISTURB
- PROJECT BOUNDARY
- PROJECT ACCESS AND DELIVERY ROUTE
- SOLAR PANEL LAYOUT
- SOLAR PANEL BUILDABLE LAND
- PROPOSED ACCESS ROAD
- PROPOSED PERIMETER FENCE
- PROPOSED ACCESS ROAD CENTERLINE
- PROPOSED SOLAR PANEL BLOCKS
- PROPOSED INVERTER
- PROPOSED LOW WATER CROSSING
- PROPOSED CULVERT
- PROPOSED DITCH
- PROPOSED 10' CONTOURS
- PROPOSED 2' CONTOURS
- APPROXIMATE GRADING DAYLIGHT

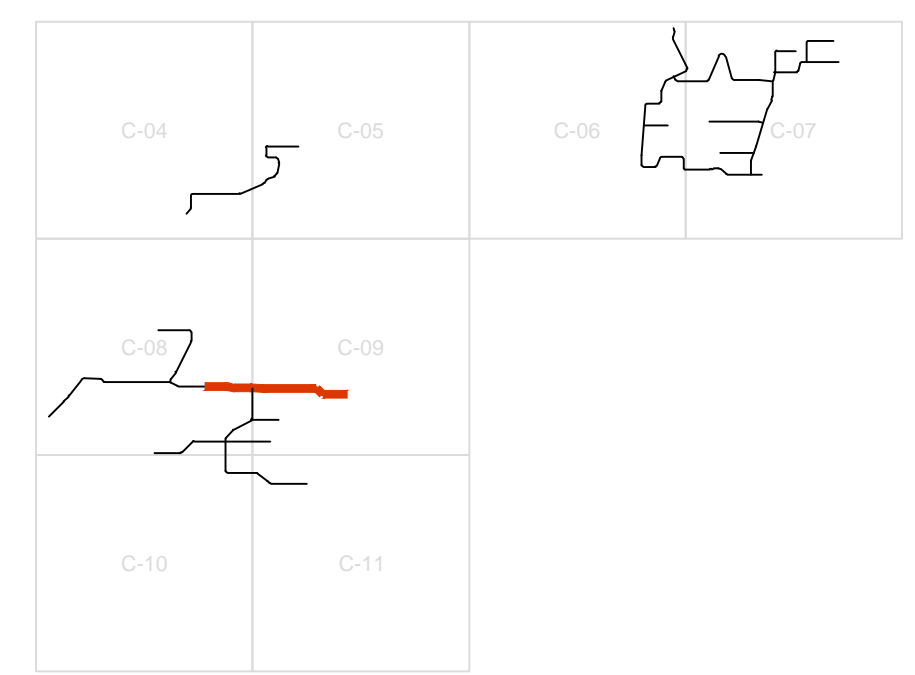
**1 PLAN: ROAD B-01 - STA 45+00 - 83+14**

0 200 400  
SCALE IN FEET



**2 PROFILE: ROAD B-01 - STA 45+00 - 83+14**

0 200 400 0 20  
SCALE IN FEET  
HORIZONTAL VERTICAL



**KEY MAP**



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05/06/2024

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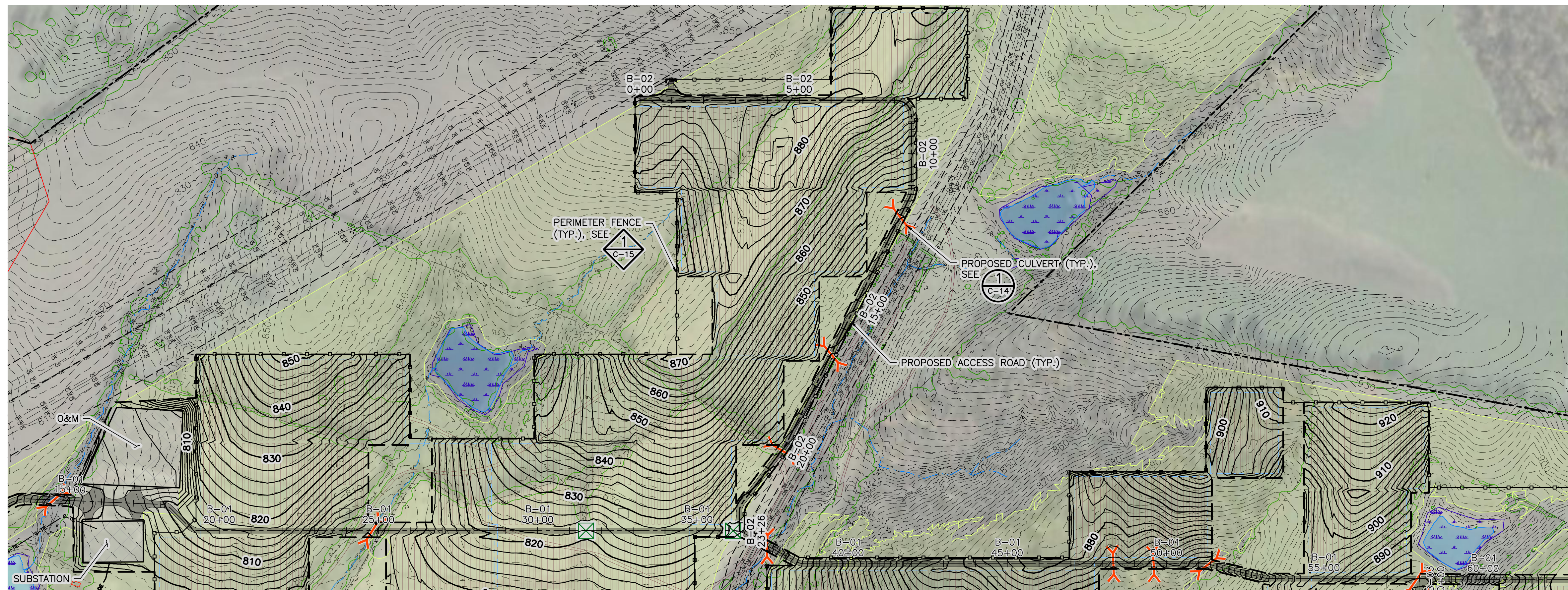
Project Office:  
**BARR ENGINEERING CO.**  
 4300 MARKETPOINTE DRIVE  
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 MINNEAPOLIS, MN 55435

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Scale	AS SHOWN
Date	01/31/2024
Drawn	JAM6
Checked	ZJN
Designed	BARR
Approved	MBI



<b>NORTHERN BOBWHITE SOLAR</b> MARION COUNTY, KENTUCKY		BARR PROJECT No.	
		17751001.01	
PLAN AND PROFILE ROAD B-01 - STA 45+00 - 83+14		CLIENT PROJECT No.	
		-	
DWG. No.	REV. No.		
C-19	E		

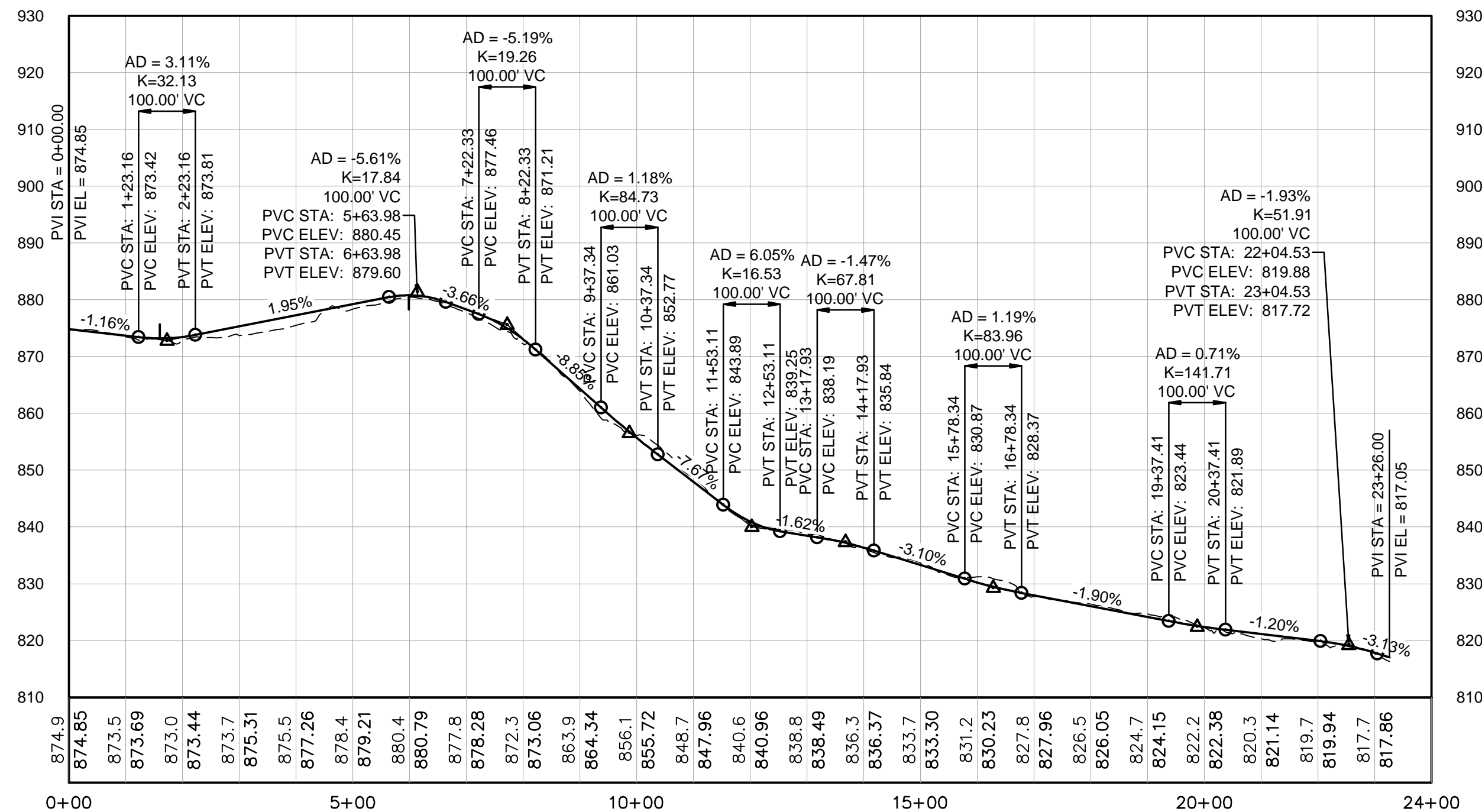


1 PLAN: ROAD B-02 - STA 0+00 - 23+26

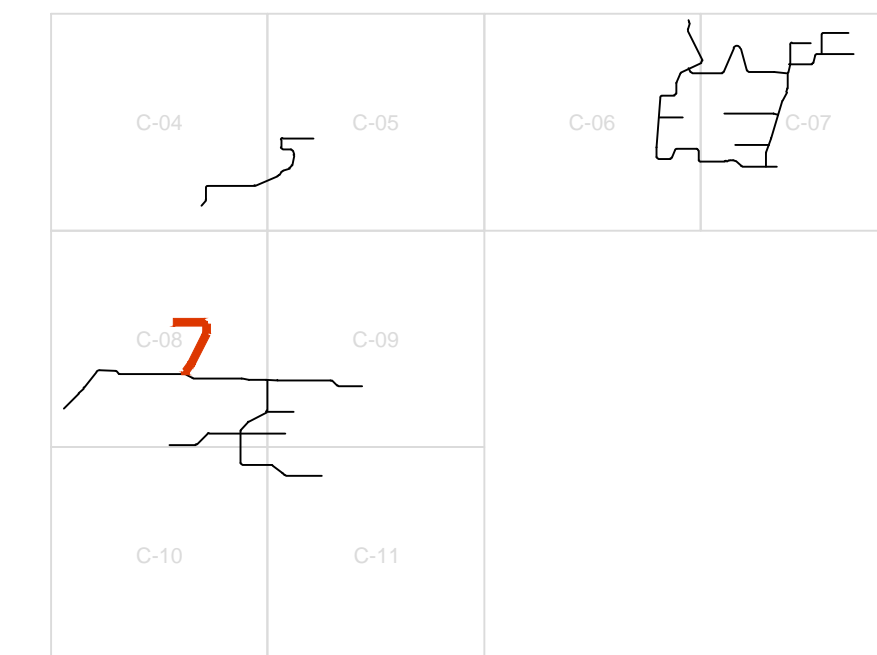
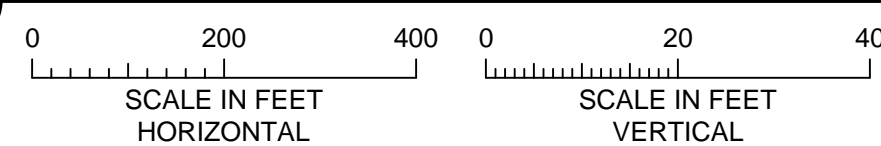


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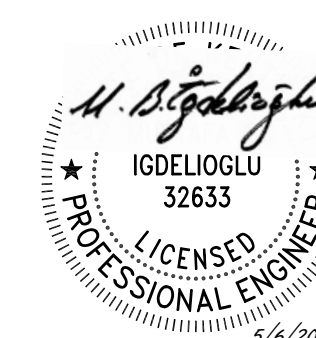
EXISTING 10' CONTOUR	—100—
EXISTING 2' CONTOUR	----
EXISTING UNPAVED ROAD	---
EXISTING PAVED ROAD	====
WETLAND	[Blue wavy pattern]
FEMA 100 YR FLOOD AREA	[Blue shaded area]
DRAINAGE SWALE/CREEK	---(blue line)---
TREE LINE	---(green line)---
EXISTING FENCE	-x-x-x-
EXISTING OVERHEAD POWER	-OE-OE-OE-
DO NOT DISTURB	[Red hatched area]
PROJECT BOUNDARY	[Red dashed line]
PROJECT ACCESS AND DELIVERY ROUTE	[Red arrow]
SOLAR PANEL LAYOUT	[Red grid pattern]
SOLAR PANEL BUILDABLE LAND	[Yellow shaded area]
PROPOSED ACCESS ROAD	---(dashed)---
PROPOSED PERIMETER FENCE	---(dashed)---
PROPOSED ACCESS ROAD CENTERLINE	---(dashed)---
PROPOSED SOLAR PANEL BLOCKS	[Red dashed lines]
PROPOSED INVERTER	[Green square]
PROPOSED LOW WATER CROSSING	[Green square]
PROPOSED CULVERT	[Red X]
PROPOSED DITCH	---(dashed)---
PROPOSED 10' CONTOURS	---100---
PROPOSED 2' CONTOURS	----
APPROXIMATE GRADING DAYLIGHT	---(dashed)---



2 PROFILE: ROAD B-02 - STA 0+00 - 23+26



KEY MAP



10% DESIGN  
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05/06/2024

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NO.	BY	CHK	APP.	DATE	REVISION DESCRIPTION

REVIEW	DATE
10% DESIGN	07/02/21
90% DESIGN	08/05/22
CONSTRUCTION	02/02/24
RECORD	02/15/24
	05/08/24

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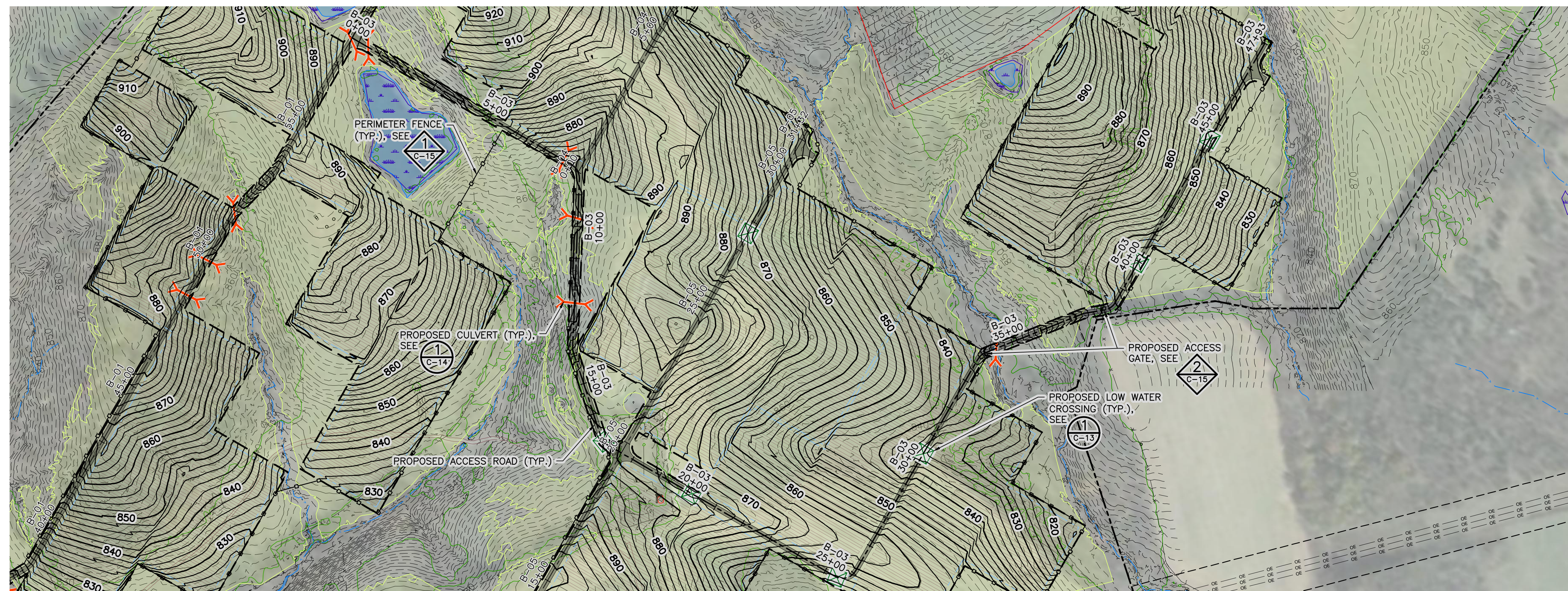
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Date	01/31/2024
Drawn	JAM6
Checked	ZJN
Designed	BARR
Approved	MBI



NORTHERN BOBWHITE SOLAR  
MARION COUNTY, KENTUCKY

PLAN AND PROFILE  
ROAD B-02

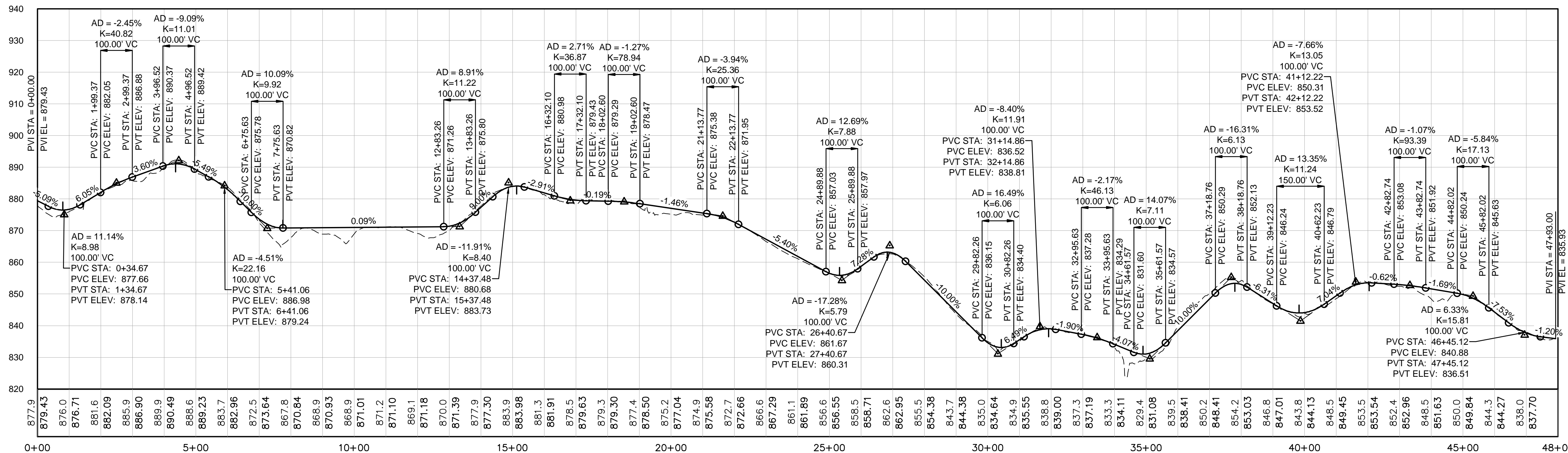
BARR PROJECT No.	17751001.01
CLIENT PROJECT No.	-
DWG. No.	C-20
REV. No.	E



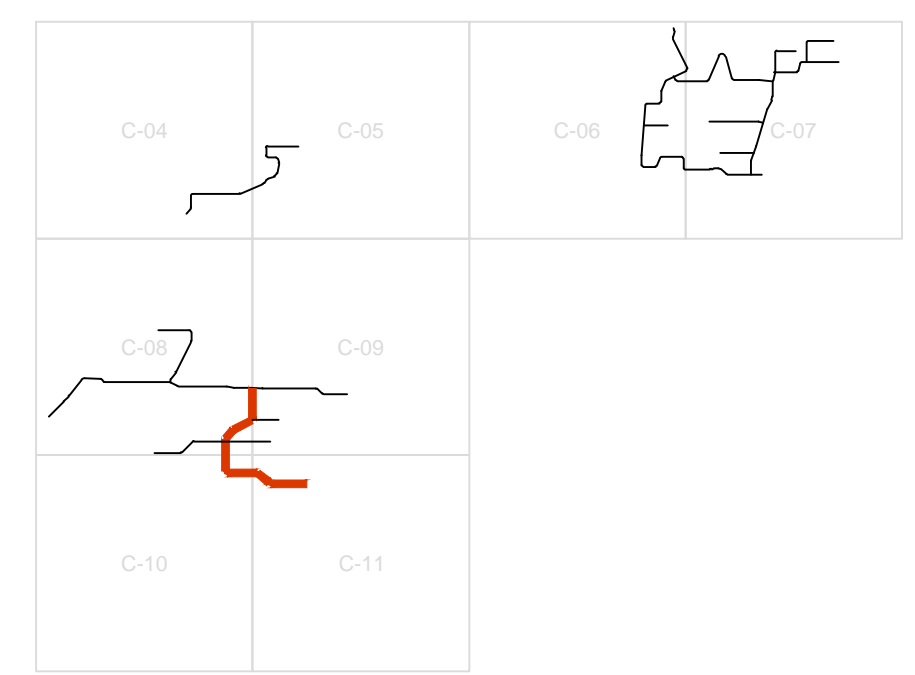
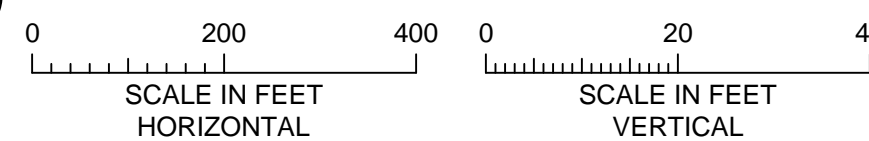
**LEGEND**

- EXISTING 10' CONTOUR: Solid line with '100'
- EXISTING 2' CONTOUR: Dashed line with '2'
- EXISTING UNPAVED ROAD: Solid line with 'UNPAVED'
- EXISTING PAVED ROAD: Solid line with 'PAVED'
- WETLAND: Blue wavy lines
- FEMA 100 YR FLOOD AREA: Blue shaded area
- DRAINAGE SWALE/CREEK: Blue dashed line
- TREE LINE: Green dashed line
- EXISTING FENCE: Line with 'X' markers
- EXISTING OVERHEAD POWER: Line with 'OE' markers
- DO NOT DISTURB: Red hatched area
- PROJECT BOUNDARY: Dashed line with 'PROJECT BOUNDARY'
- PROJECT ACCESS AND DELIVERY ROUTE: Red arrow
- SOLAR PANEL LAYOUT: Grid of vertical lines
- SOLAR PANEL BUILDABLE LAND: Yellow shaded area
- PROPOSED ACCESS ROAD: Solid line with 'ACCESS ROAD'
- PROPOSED PERIMETER FENCE: Line with square markers
- PROPOSED ACCESS ROAD CENTERLINE: Dashed line with 'ACCESS ROAD CENTERLINE'
- PROPOSED SOLAR PANEL BLOCKS: Grid of vertical lines
- PROPOSED INVERTER: Square with 'I'
- PROPOSED LOW WATER CROSSING: Line with 'X' markers
- PROPOSED CULVERT: Line with 'C' markers
- PROPOSED DITCH: Line with 'D' markers
- PROPOSED 10' CONTOURS: Solid line with '100'
- PROPOSED 2' CONTOURS: Dashed line with '2'
- APPROXIMATE GRADING DAYLIGHT: Dashed line with 'GRADING DAYLIGHT'

1 PLAN: ROAD B-03 - STA 0+00 - 47+93



2 PROFILE: ROAD B-03 - STA 0+00 - 47+93



KEY MAP



10% DESIGN  
NOT FOR CONSTRUCTION  
05/06/2024

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Project Office:  
**BARR ENGINEERING CO.**  
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 MINNEAPOLIS, MN 55435  
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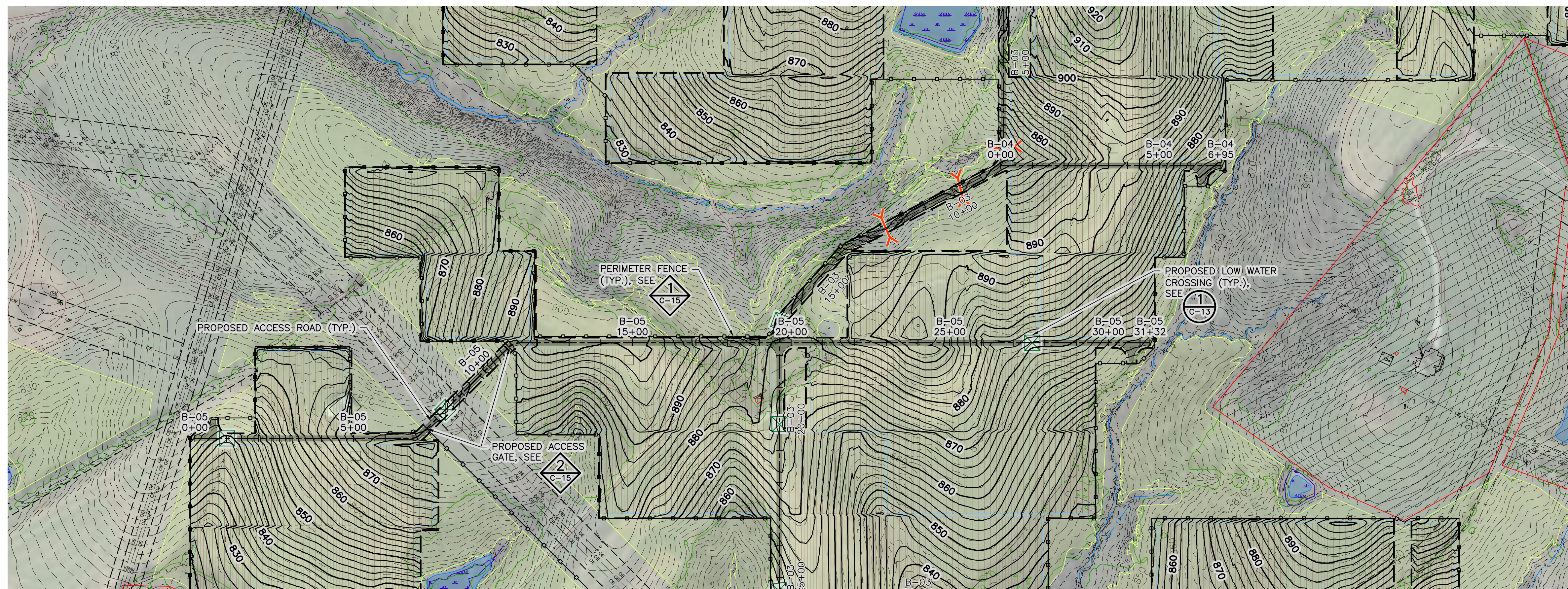
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Date	01/31/2024
Drawn	JAM6
Checked	ZJN
Designed	BARR
Approved	MBI



**NORTHERN BOBWHITE SOLAR**  
 MARION COUNTY, KENTUCKY

PLAN AND PROFILE  
 ROAD B-03

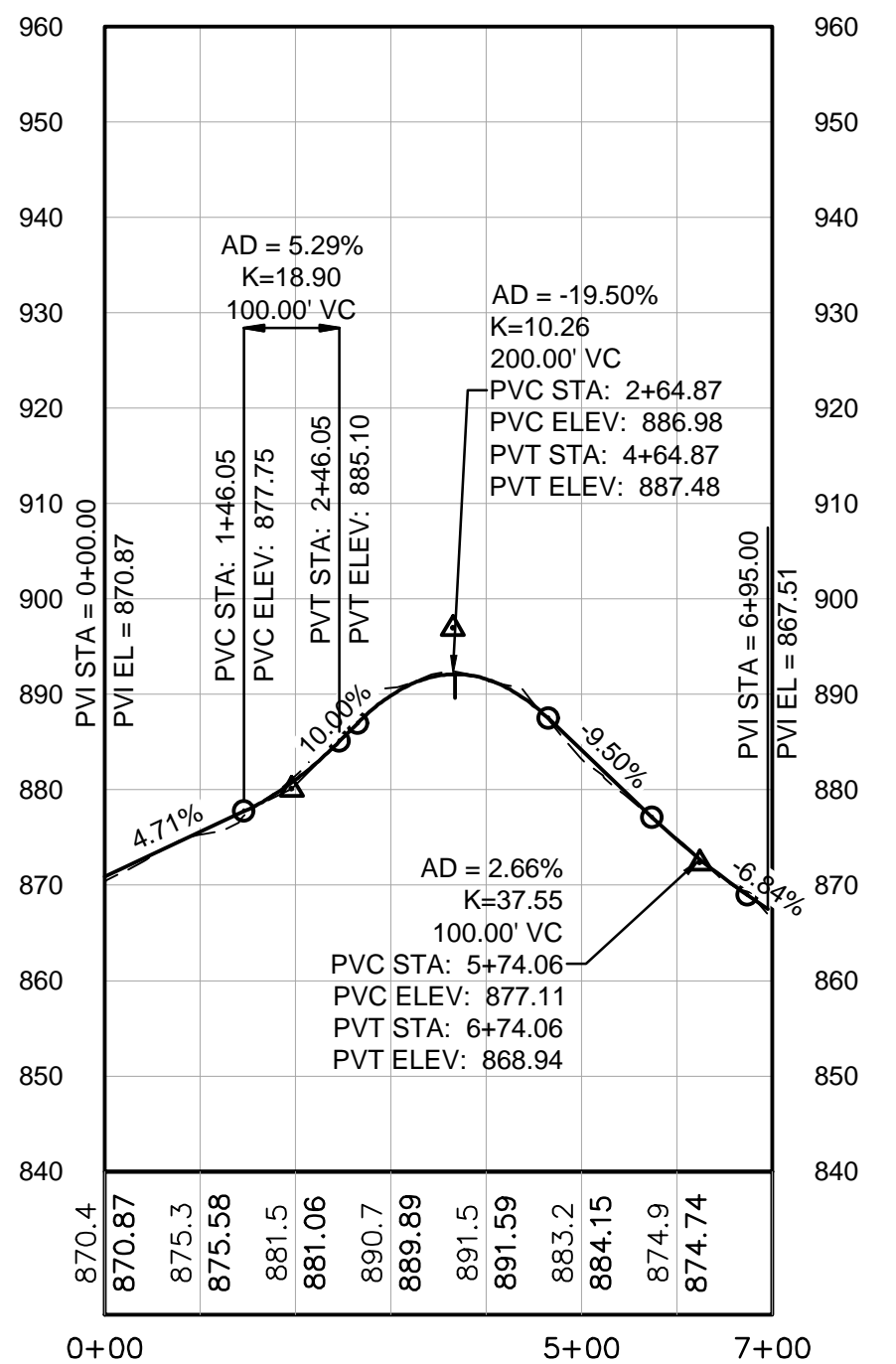
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CLIENT PROJECT No.	-
DWG. No.	C-21
REV. No.	E



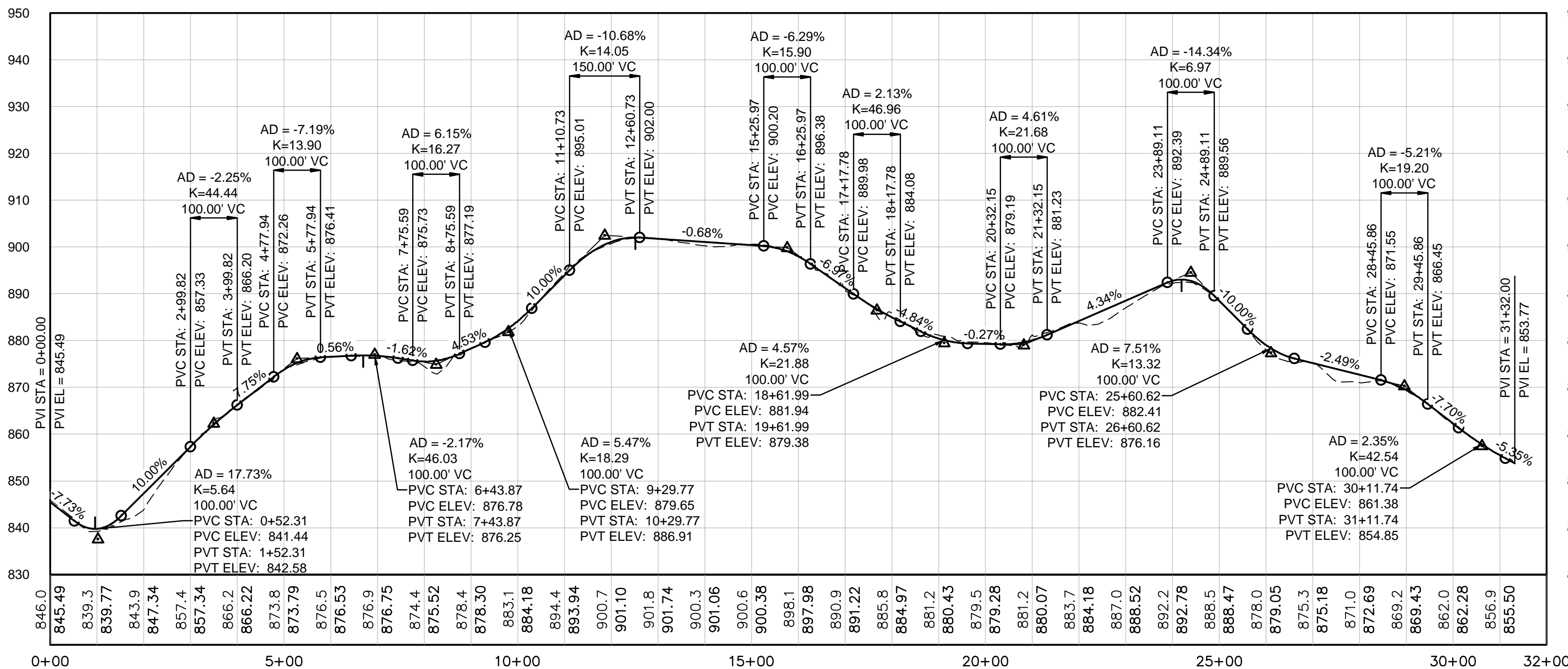
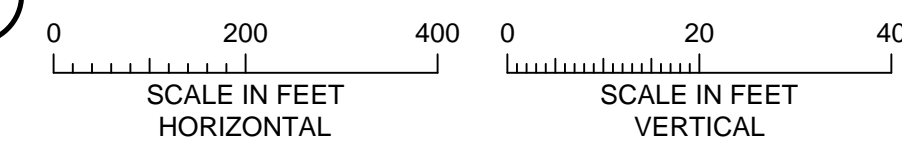
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- EXISTING 10' CONTOUR
- EXISTING 2' CONTOUR
- EXISTING UNPAVED ROAD
- EXISTING PAVED ROAD
- WETLAND
- FEMA 100 YR FLOOD AREA
- DRAINAGE SWALE/CREEK
- TREE LINE
- EXISTING FENCE
- EXISTING OVERHEAD POWER
- DO NOT DISTURB
- PROJECT BOUNDARY
- PROJECT ACCESS AND DELIVERY ROUTE
- SOLAR PANEL LAYOUT
- SOLAR PANEL BUILDABLE LAND
- PROPOSED ACCESS ROAD
- PROPOSED PERIMETER FENCE
- PROPOSED ACCESS ROAD CENTERLINE
- PROPOSED SOLAR PANEL BLOCKS
- PROPOSED INVERTER
- PROPOSED LOW WATER CROSSING
- PROPOSED CULVERT
- PROPOSED DITCH
- PROPOSED 10' CONTOURS
- PROPOSED 2' CONTOURS
- APPROXIMATE GRADING DAYLIGHT

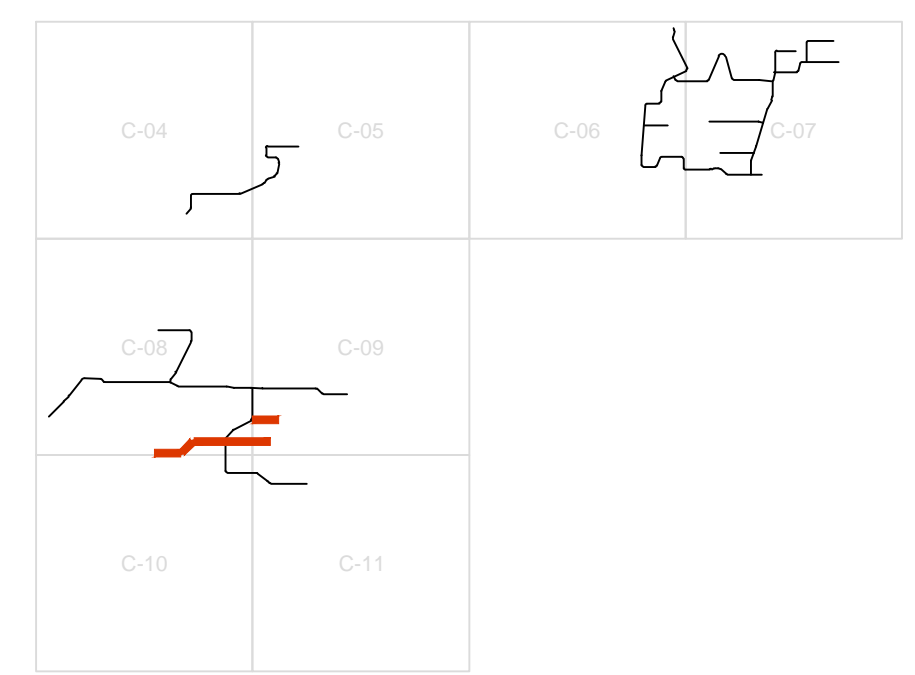
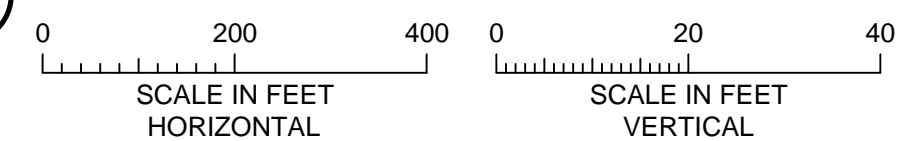
1 PLAN: ROADS B-04 AND B-05



2 PROFILE: ROAD B-04 - STA 0+00 - 6+95



3 PROFILE: ROAD B-05 - STA 0+00 - 31+32



KEY MAP



10% DESIGN  
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05/06/2024

CADD USER: Zach Nelson FILE: C:\JIN\NORTHERN BOBWHITE\17751001.01\_C-22.DWG PLOT SCALE: 1:1 PLOT DATE: 5/6/2024 2:59 PM

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NO.	BY	CHK	APP.	DATE	REVISION DESCRIPTION

Project Office:  
**BARR ENGINEERING CO.**  
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Scale	AS SHOWN
Date	01/31/2024
Drawn	JAM6
Checked	ZJN
Designed	BARR
Approved	MBI



**NORTHERN BOBWHITE SOLAR**  
MARION COUNTY, KENTUCKY

PLAN AND PROFILE  
ROADS B-04 AND B-05

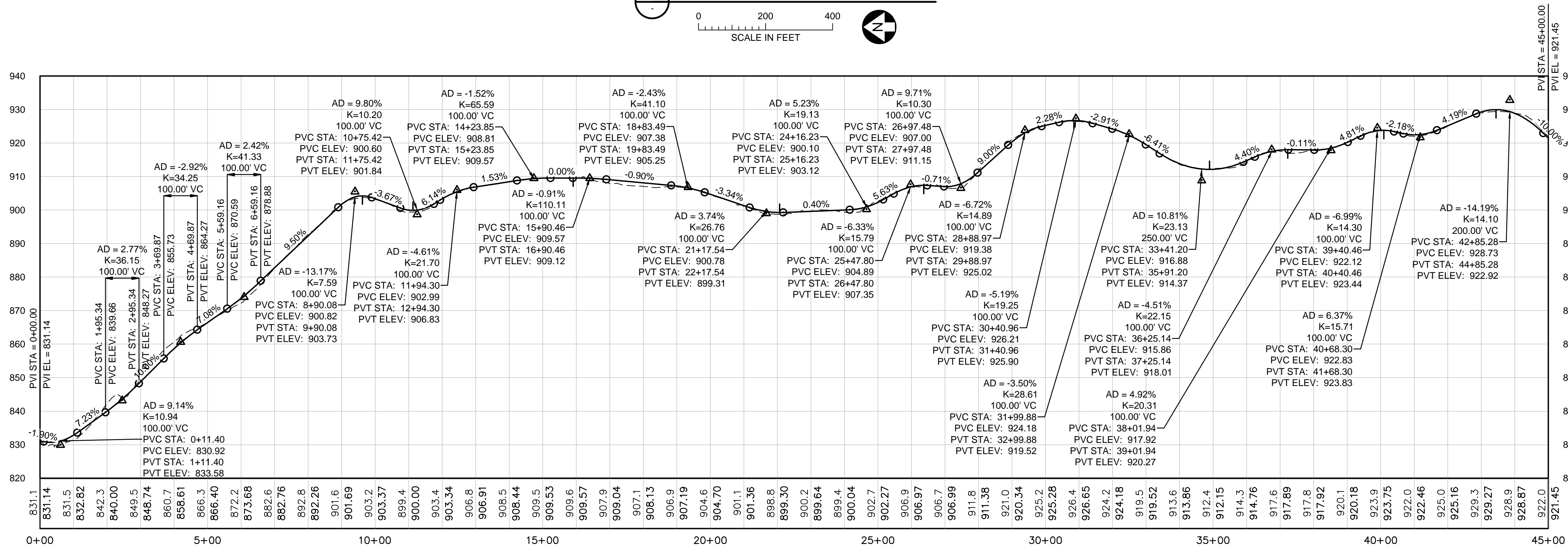
BARR PROJECT No.	17751001.01
CLIENT PROJECT No.	-
DWG. No.	C-22
REV. No.	E



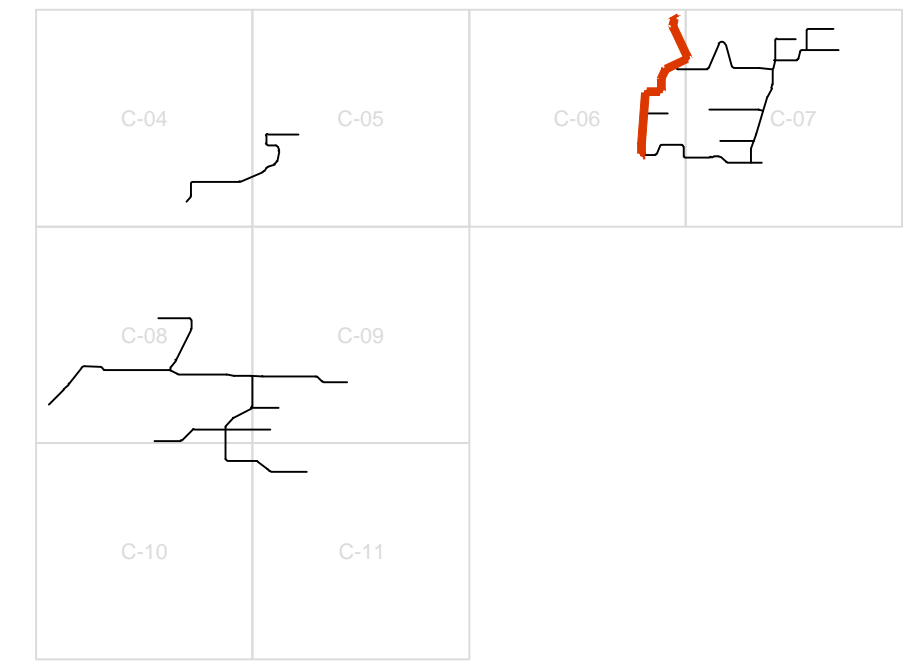
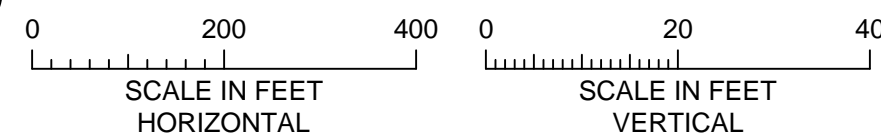
**LEGEND**

EXISTING 10' CONTOUR	—100—
EXISTING 2' CONTOUR	- - - - -
EXISTING UNPAVED ROAD	— — — — —
EXISTING PAVED ROAD	====
WETLAND	[Blue hatched area]
FEMA 100 YR FLOOD AREA	[Blue area]
DRAINAGE SWALE/CREEK	— — — — —
TREE LINE	— — — — —
EXISTING FENCE	x x x
EXISTING OVERHEAD POWER	— O E — O E — O E —
DO NOT DISTURB	[Red hatched area]
PROJECT BOUNDARY	— — — — —
PROJECT ACCESS AND DELIVERY ROUTE	[Red arrow]
SOLAR PANEL LAYOUT	[Vertical lines]
SOLAR PANEL BUILDABLE LAND	[Yellow area]
PROPOSED ACCESS ROAD	— — — — —
PROPOSED PERIMETER FENCE	— o — o — o —
PROPOSED ACCESS ROAD CENTERLINE	— — — — —
PROPOSED SOLAR PANEL BLOCKS	[Blue dashed lines]
PROPOSED INVERTER	[Green square]
PROPOSED LOW WATER CROSSING	[Green X]
PROPOSED CULVERT	[Red X]
PROPOSED DITCH	— — — — —
PROPOSED 10' CONTOURS	—100—
PROPOSED 2' CONTOURS	- - - - -
APPROXIMATE GRADING DAYLIGHT	— — — — —

1 PLAN: ROAD C-01 - STA 0+00 - 45+00



2 PROFILE: ROAD C-01 - STA 0+00 - 45+00



KEY MAP



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05/06/2024

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NO.	BY	CHK	APP.	DATE	REVISION DESCRIPTION

REVIEW	DATE
10% DESIGN	07/02/24
90% DESIGN	08/05/24
CONSTRUCTION	02/02/24
RECORD	02/15/24
	05/08/24

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Scale	AS SHOWN
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Designed	BARR
Approved	MBI



**NORTHERN BOBWHITE SOLAR**  
MARION COUNTY, KENTUCKY

PLAN AND PROFILE  
ROAD C-01 - STA 0+00 - 45+00

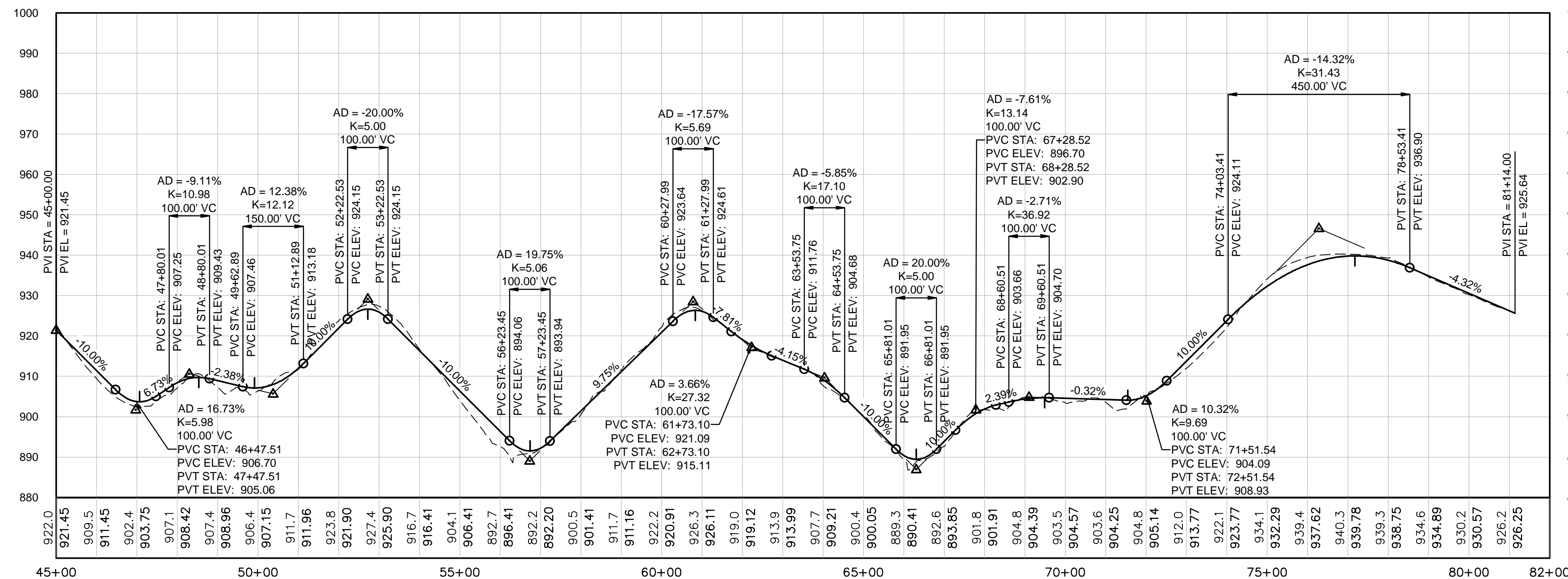
BARR PROJECT No.	17751001.01
CLIENT PROJECT No.	-
DWG. No.	C-23
REV. No.	E



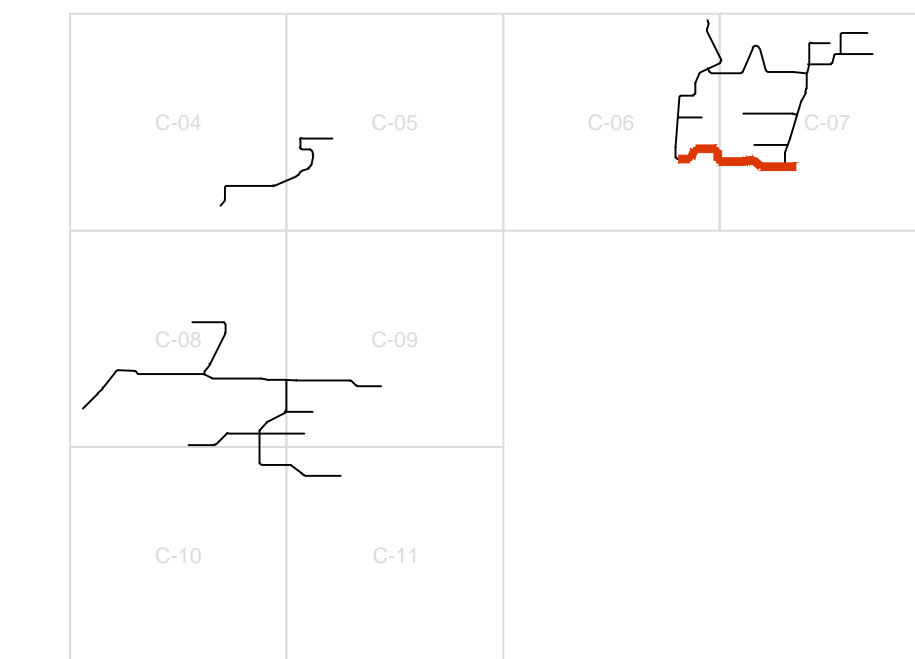
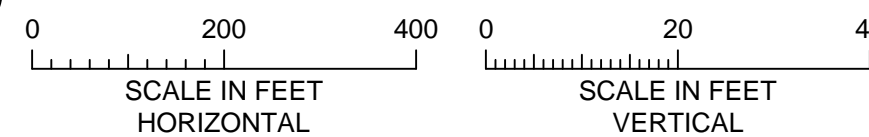
1 PLAN: ROAD C-01 - STA 45+00 - 81+14



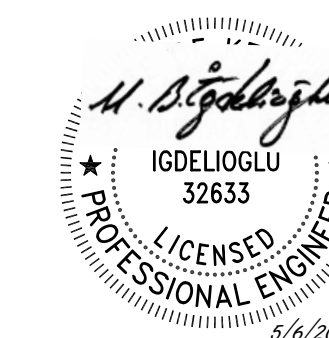
LEGEND	
EXISTING 10' CONTOUR	—100—
EXISTING 2' CONTOUR	- - - - -
EXISTING UNPAVED ROAD	====
EXISTING PAVED ROAD	=====
WETLAND	[Blue wavy pattern]
FEMA 100 YR FLOOD AREA	[Blue shaded area]
DRAINAGE SWALE/CREEK	— — — — —
TREE LINE	— x — x — x —
EXISTING FENCE	— x — x — x —
EXISTING OVERHEAD POWER	— OE — OE — OE —
DO NOT DISTURB	[Red hatched area]
PROJECT BOUNDARY	[Red dashed line]
PROJECT ACCESS AND DELIVERY ROUTE	[Red arrow]
SOLAR PANEL LAYOUT	[Red grid pattern]
SOLAR PANEL BUILDABLE LAND	[Yellow shaded area]
PROPOSED ACCESS ROAD	====
PROPOSED PERIMETER FENCE	— o — o — o —
PROPOSED ACCESS ROAD CENTERLINE	— — — — —
PROPOSED SOLAR PANEL BLOCKS	[Red dashed lines]
PROPOSED INVERTER	[Green square]
PROPOSED LOW WATER CROSSING	[Green box with X]
PROPOSED CULVERT	[Red X]
PROPOSED DITCH	— — — — —
PROPOSED 10' CONTOURS	—100—
PROPOSED 2' CONTOURS	- - - - -
APPROXIMATE GRADING DAYLIGHT	— — — — —



2 PROFILE: ROAD C-01 - STA 45+00 - 81+14



KEY MAP



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05/06/2024

CADD USER: Zach Nelson FILE: C:\JUNIOR\NORTHEN BOBWHITE\17751001.01\_C-24.DWG PLOT SCALE: 1:1 PLOT DATE: 5/6/2024 2:59 PM  
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NO.	BY	CHK	APP.	DATE	REVISION DESCRIPTION

REVIEW	DATE	BY	APP.
10% DESIGN	07/02/21	08/05/22	02/02/24
90% DESIGN	02/15/24	05/08/24	
CONSTRUCTION			
RECORD			

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Date	01/31/2024
Drawn	JAM6
Checked	ZJN
Designed	BARR
Approved	MBI



NORTHERN BOBWHITE SOLAR MARION COUNTY, KENTUCKY		BARR PROJECT No. 17751001.01
PLAN AND PROFILE ROAD C-01 - STA 45+00 - 81+14		CLIENT PROJECT No. -
DWG. No. C-24	REV. No. E	



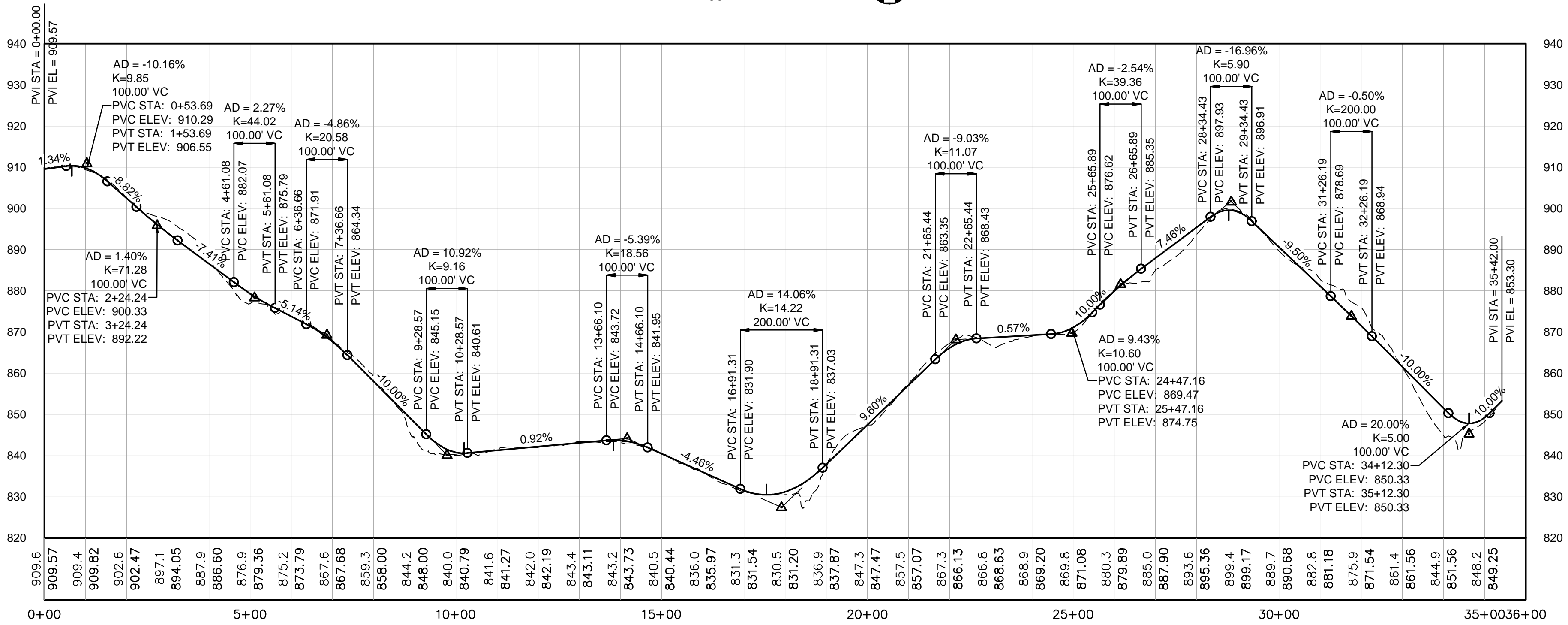


**LEGEND**

- EXISTING 10' CONTOUR: Solid line with '100'
- EXISTING 2' CONTOUR: Dashed line with '2'
- EXISTING UNPAVED ROAD: Solid line with 'UNPAVED'
- EXISTING PAVED ROAD: Solid line with 'PAVED'
- WETLAND: Blue hatched area
- FEMA 100 YR FLOOD AREA: Blue area
- DRAINAGE SWALE/CREEK: Blue line with 'SWALE'
- TREE LINE: Green line with 'TREE'
- EXISTING FENCE: Dashed line with 'FENCE'
- EXISTING OVERHEAD POWER: Dashed line with 'POWER'
- DO NOT DISTURB: Red hatched area
- PROJECT BOUNDARY: Dashed line with 'PROJECT BOUNDARY'
- PROJECT ACCESS AND DELIVERY ROUTE: Red arrow
- SOLAR PANEL LAYOUT: Yellow hatched area
- SOLAR PANEL BUILDABLE LAND: Yellow area
- PROPOSED ACCESS ROAD: Solid line with 'ACCESS ROAD'
- PROPOSED PERIMETER FENCE: Dashed line with 'PERIMETER FENCE'
- PROPOSED ACCESS ROAD CENTERLINE: Dashed line with 'CENTERLINE'
- PROPOSED SOLAR PANEL BLOCKS: Yellow rectangles
- PROPOSED INVERTER: Green square
- PROPOSED LOW WATER CROSSING: Green rectangle with 'X'
- PROPOSED CULVERT: Red rectangle with 'X'
- PROPOSED DITCH: Dashed line with 'DITCH'
- PROPOSED 10' CONTOURS: Solid line with '100'
- PROPOSED 2' CONTOURS: Dashed line with '2'
- APPROXIMATE GRADING DAYLIGHT: Dashed line with 'DAYLIGHT'

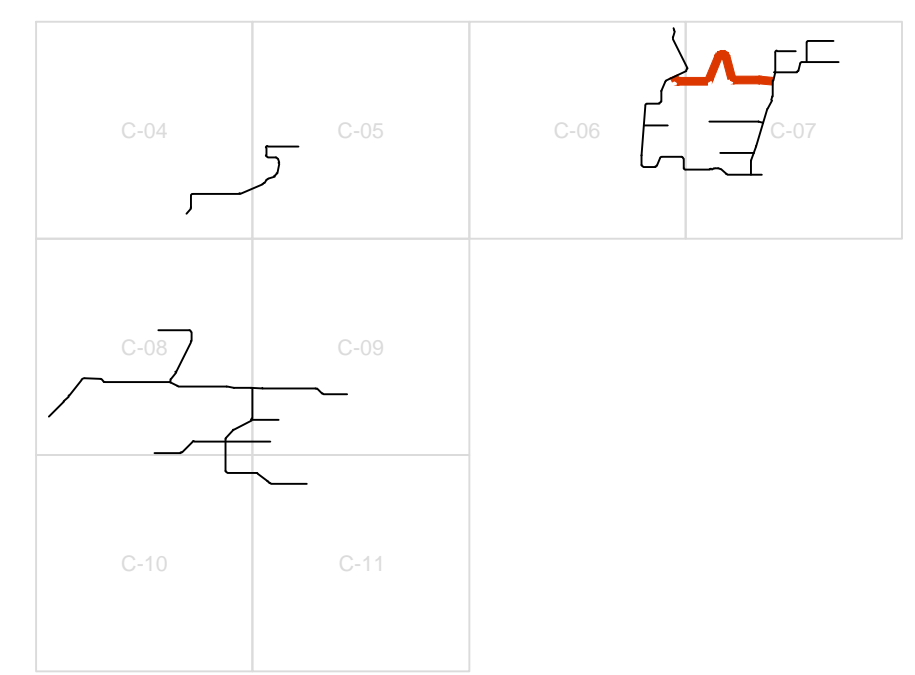
**1 PLAN: ROAD C-02 - STA 0+00 - 35+42**

0 200 400  
SCALE IN FEET



**2 PROFILE: ROAD C-02 - STA 0+00 - 35+42**

0 200 400 0 20 40  
SCALE IN FEET  
HORIZONTAL VERTICAL



**KEY MAP**



10% DESIGN  
NOT FOR CONSTRUCTION  
05/06/2024

CADD USER: Zach Nelson FILE: C:\JUNNORTHERN BOBWHITE\17751001.01\_C-25.DWG PLOT SCALE: 1:1 PLOT DATE: 5/6/2024 2:59 PM  
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NO.	BY	CHK	APP.	DATE	REVISION DESCRIPTION

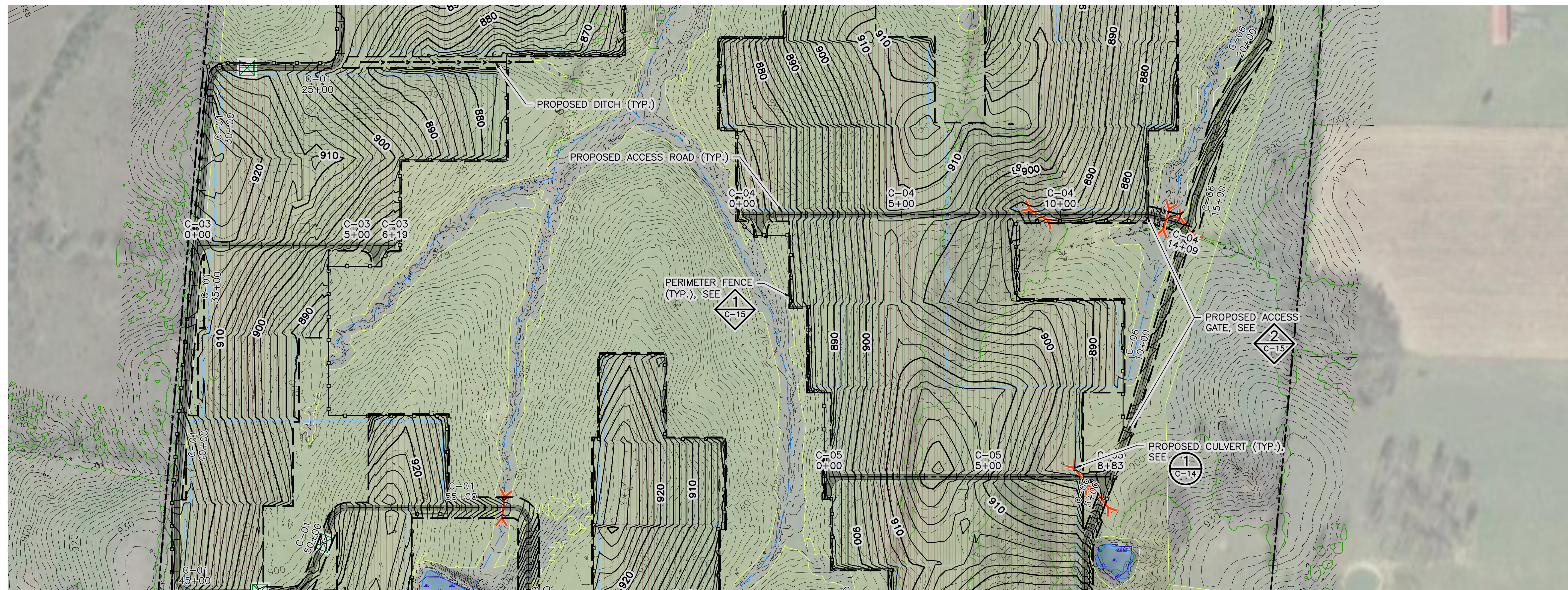
Project Office:  
**BARR ENGINEERING CO.**  
4300 MARKETPOINTE DRIVE  
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MINNEAPOLIS, MN 55435

Corporate Headquarters:  
Minneapolis, Minnesota  
Ph: 1-800-632-2277  
Fax: (952) 832-2601  
www.barr.com

Scale	AS SHOWN
Date	01/31/2024
Drawn	JAM6
Checked	ZJN
Designed	BARR
Approved	MBI



NORTHERN BOBWHITE SOLAR MARION COUNTY, KENTUCKY		BARR PROJECT No. 17751001.01
PLAN AND PROFILE ROAD C-02		CLIENT PROJECT No. -
DWG. No. C-25	REV. No. E	

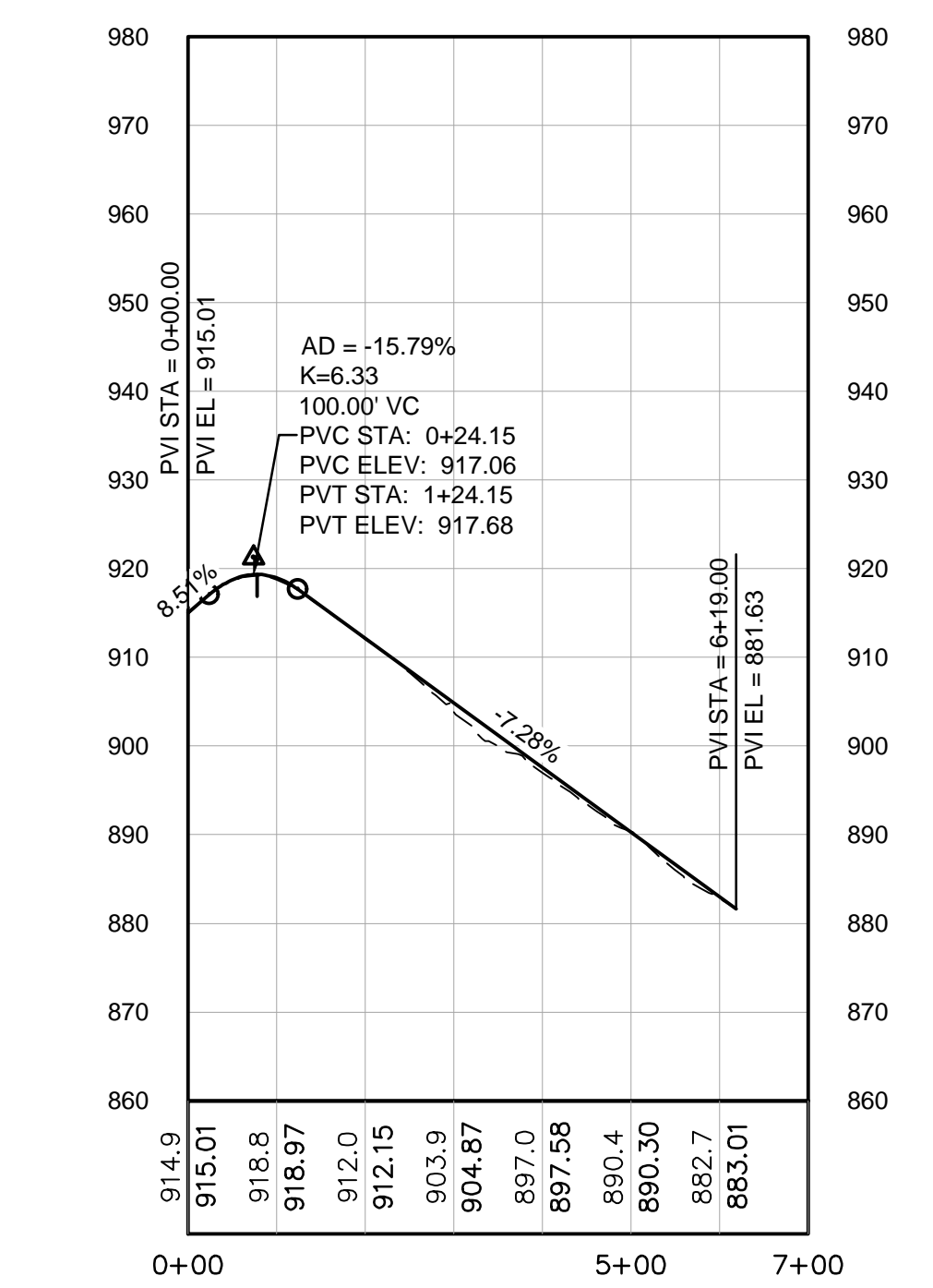


**LEGEND**

- EXISTING 10' CONTOUR: ---100---
- EXISTING 2' CONTOUR: - - - - -
- EXISTING UNPAVED ROAD: = = = = =
- EXISTING PAVED ROAD: = = = = =
- WETLAND: [Blue wavy pattern]
- FEMA 100 YR FLOOD AREA: [Blue shaded area]
- DRAINAGE SWALE/CREEK: - - - - -
- TREE LINE: [Green dashed line]
- EXISTING FENCE: - x - x - x -
- EXISTING OVERHEAD POWER: - OE - OE - OE -
- DO NOT DISTURB: [Red hatched area]
- PROJECT BOUNDARY: [Red dashed line]
- PROJECT ACCESS AND DELIVERY ROUTE: [Red arrow]
- SOLAR PANEL LAYOUT: [Vertical lines]
- SOLAR PANEL BUILDABLE LAND: [Yellow shaded area]
- PROPOSED ACCESS ROAD: [Thick grey line]
- PROPOSED PERIMETER FENCE: [Dashed line with circles]
- PROPOSED ACCESS ROAD CENTERLINE: [Dashed line]
- PROPOSED SOLAR PANEL BLOCKS: [Blue dashed line]
- PROPOSED INVERTER: [Green square]
- PROPOSED LOW WATER CROSSING: [Green square with X]
- PROPOSED CULVERT: [Red X]
- PROPOSED DITCH: [Red dashed line]
- PROPOSED 10' CONTOURS: ---100---
- PROPOSED 2' CONTOURS: - - - - -
- APPROXIMATE GRADING DAYLIGHT: [Dashed line]

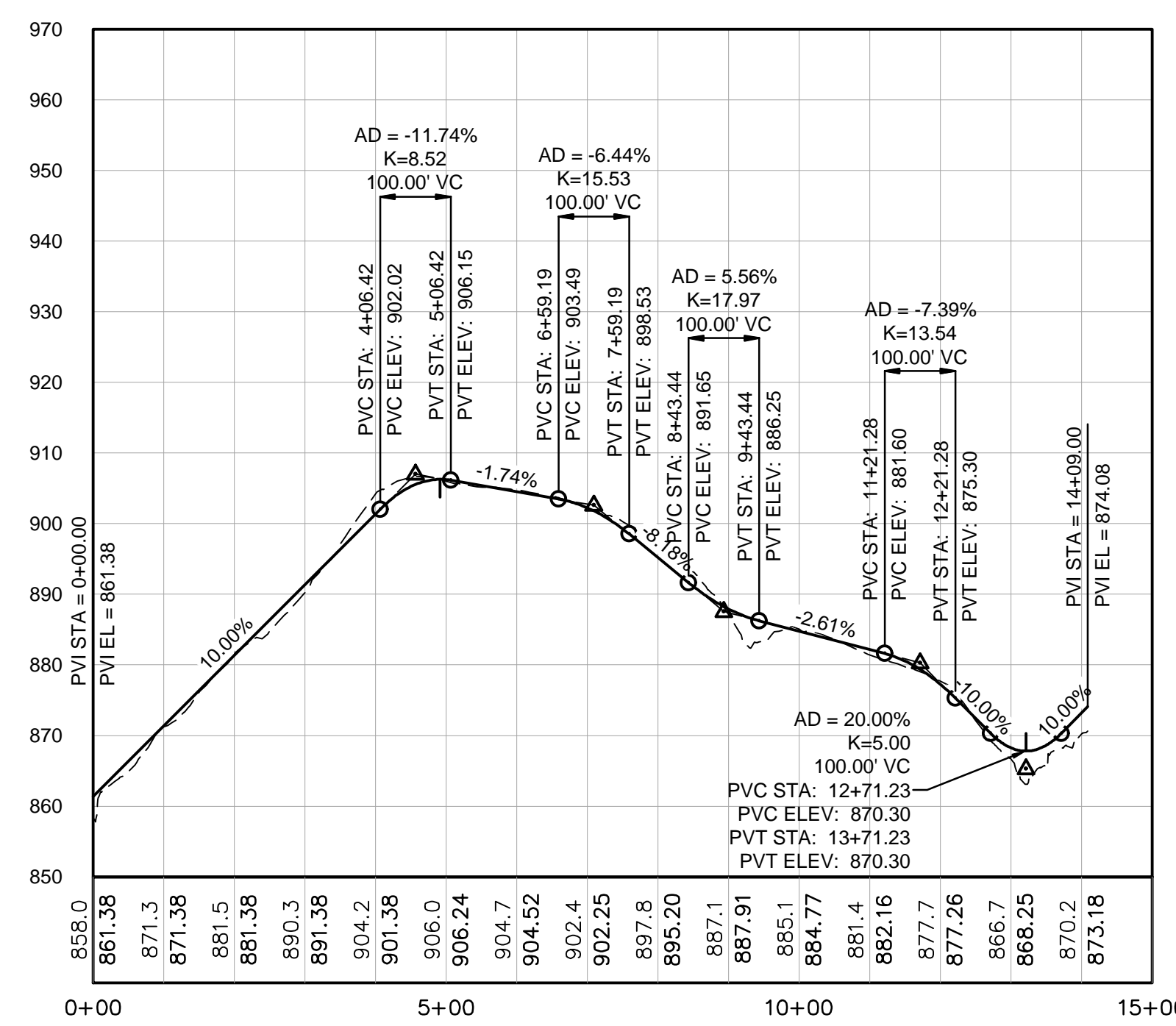
**1 PLAN: ROADS C-03, C-04, AND C-06**

0 200 400  
SCALE IN FEET



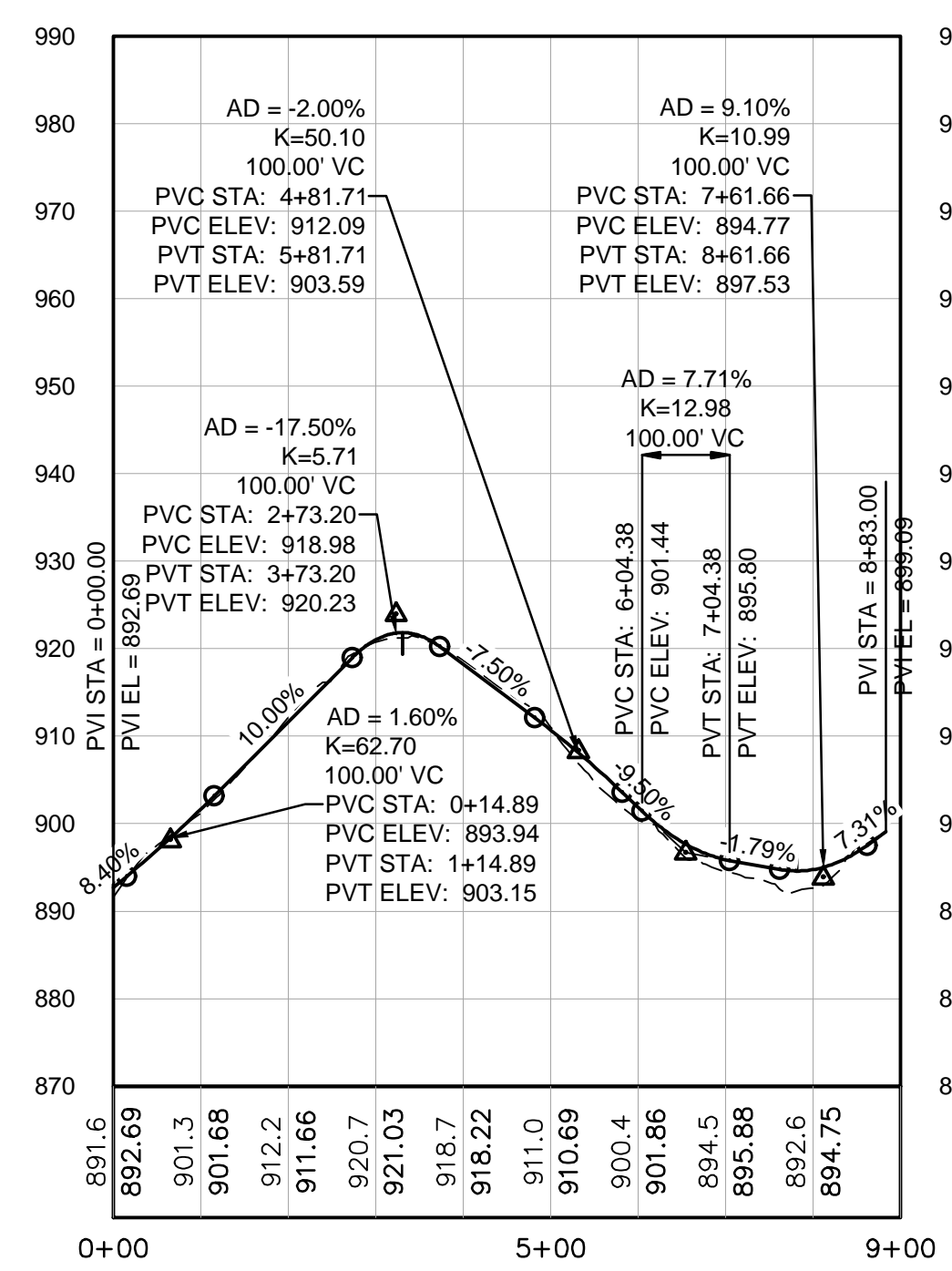
**2 PROFILE: ROAD C-03 - STA 0+00 - 6+19**

0 200 400 0 20 40  
SCALE IN FEET  
HORIZONTAL VERTICAL



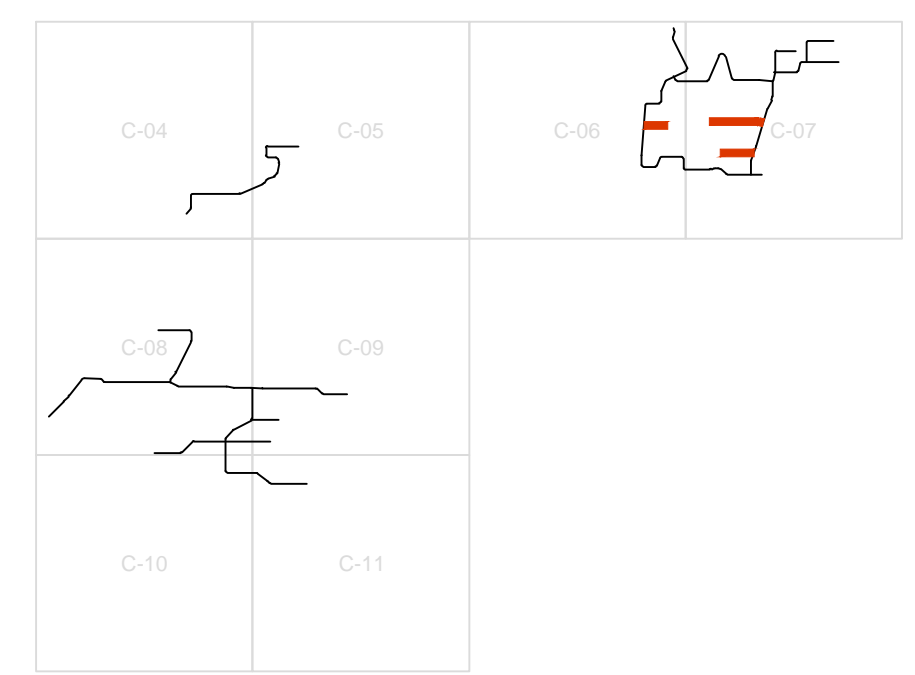
**3 PROFILE: ROAD C-04 - STA 0+00 - 14+09**

0 200 400 0 20 40  
SCALE IN FEET  
HORIZONTAL VERTICAL



**4 PROFILE: ROAD C-05 - STA 0+00 - 8+83**

0 200 400 0 20 40  
SCALE IN FEET  
HORIZONTAL VERTICAL



**KEY MAP**



10% DESIGN  
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05/06/2024

CADD USER: Zach Nelson FILE: C:\JIN\NORTHERN BOBWHITE\17751001.01\_C-26.DWG PLOT SCALE: 1:1 PLOT DATE: 5/6/2024 3:00 PM  
 BARR: AutoCAD 2011\AutoCAD 2011\Support\encl\TemplateBar\_2011\_Template.dwt Plot at 1:10/05/2020 14:03:50

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Project Office:  
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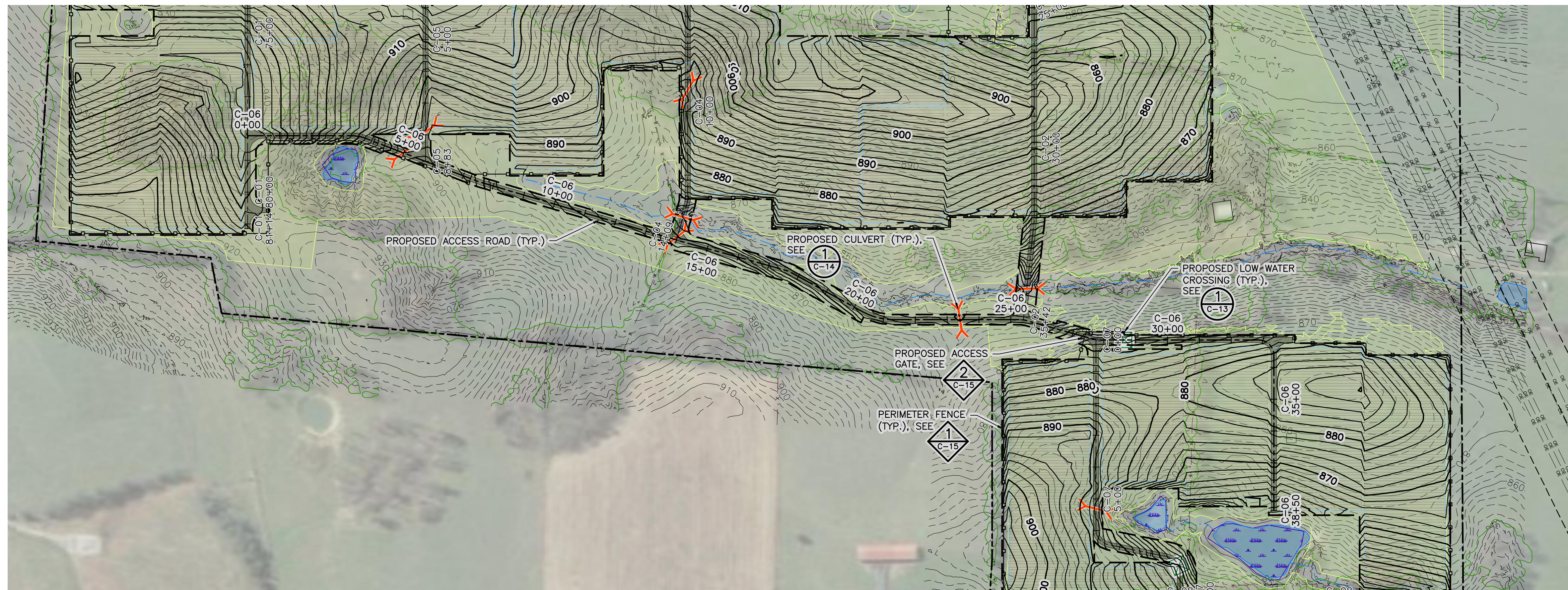
Scale	AS SHOWN
Date	01/31/2024
Drawn	JAM6
Checked	ZJN
Designed	BARR
Approved	MBI



**NORTHERN BOBWHITE SOLAR**  
 MARION COUNTY, KENTUCKY

PLAN AND PROFILE  
 ROADS C-03, C-04, AND C-05

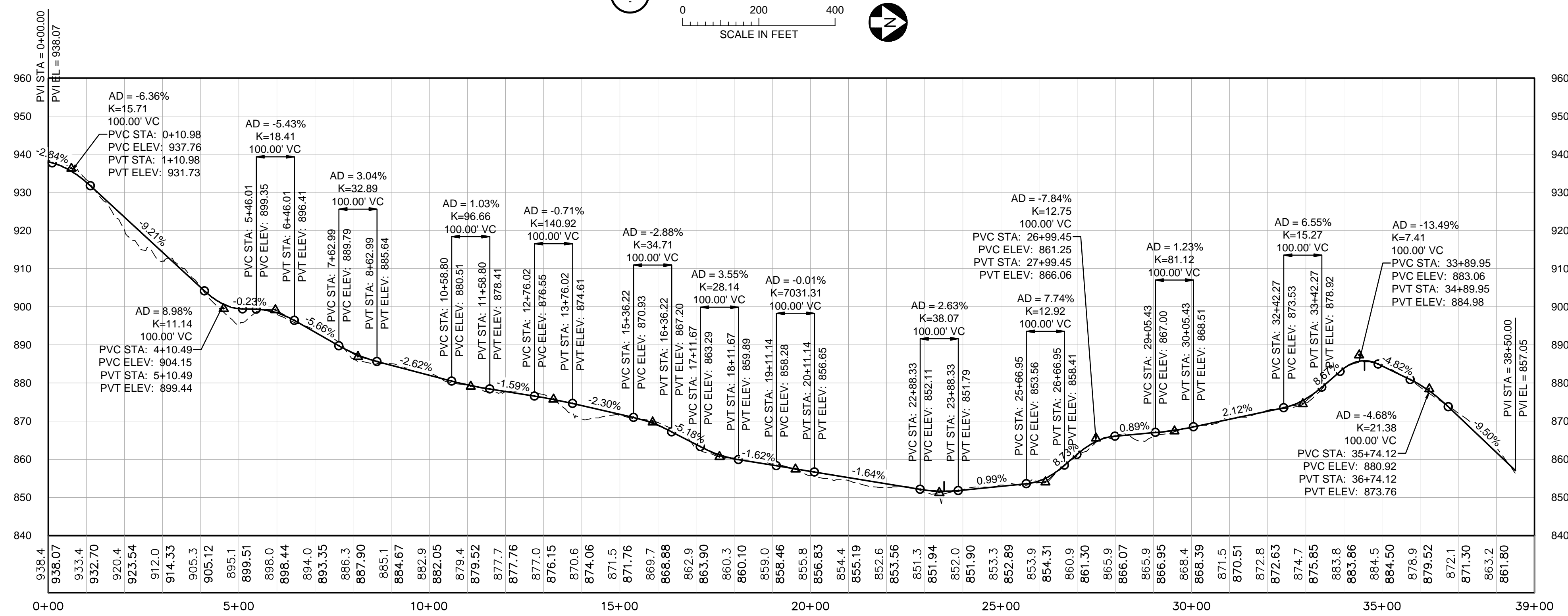
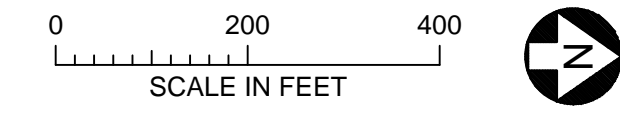
BARR PROJECT No.	17751001.01
CLIENT PROJECT No.	-
DWG. No.	C-26
REV. No.	E



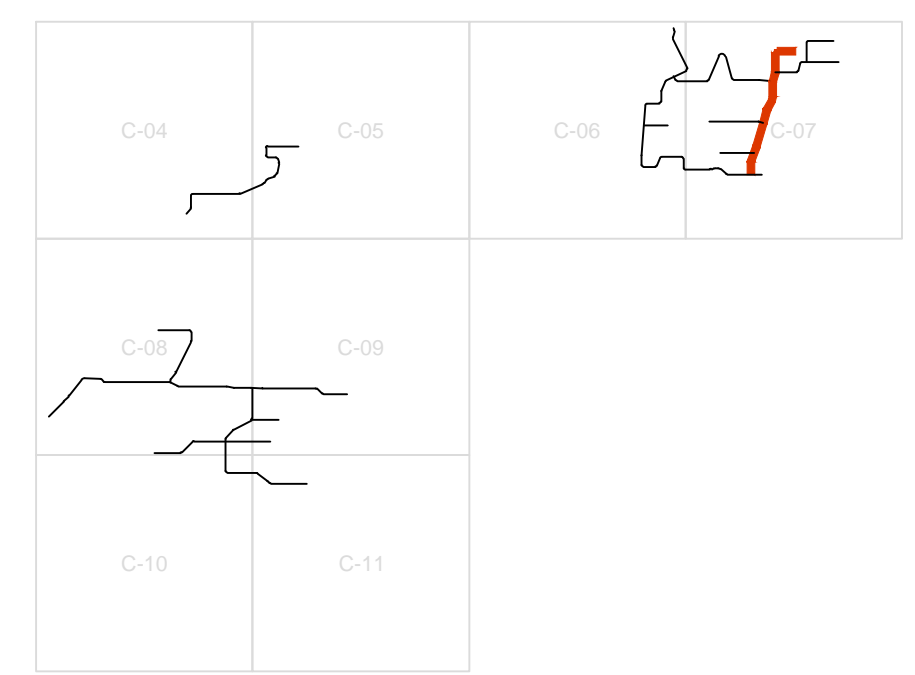
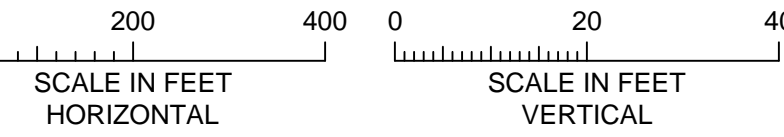
**LEGEND**

- EXISTING 10' CONTOUR ——— 100 ———
- EXISTING 2' CONTOUR - - - - -
- EXISTING UNPAVED ROAD ———
- EXISTING PAVED ROAD ———
- WETLAND [Blue hatched pattern]
- FEMA 100 YR FLOOD AREA [Blue shaded area]
- DRAINAGE SWALE/CREEK [Blue dashed line]
- TREE LINE [Green dashed line]
- EXISTING FENCE — x — x — x —
- EXISTING OVERHEAD POWER — OE — OE — OE —
- DO NOT DISTURB [Red hatched pattern]
- PROJECT BOUNDARY [Red dashed line]
- PROJECT ACCESS AND DELIVERY ROUTE [Red arrow]
- SOLAR PANEL LAYOUT [Vertical lines]
- SOLAR PANEL BUILDABLE LAND [Yellow shaded area]
- PROPOSED ACCESS ROAD [Grey line]
- PROPOSED PERIMETER FENCE [Dashed line with circles]
- PROPOSED ACCESS ROAD CENTERLINE [Dashed line]
- PROPOSED SOLAR PANEL BLOCKS [Blue dashed line]
- PROPOSED INVERTER [Green square]
- PROPOSED LOW WATER CROSSING [Green 'X' over a line]
- PROPOSED CULVERT [Red 'X' over a line]
- PROPOSED DITCH [Red dashed line]
- PROPOSED 10' CONTOURS ——— 100 ———
- PROPOSED 2' CONTOURS - - - - -
- APPROXIMATE GRADING DAYLIGHT [Dashed line]

1 PLAN: ROAD C-06 - STA 0+00 - 38+50



2 PROFILE: ROAD C-06 - STA 0+00 - 38+50



KEY MAP



10% DESIGN  
NOT FOR CONSTRUCTION  
05/06/2024

CADD USER: Zach Nelson FILE: C:\JUN\NORTHERN BOBWHITE\17751001\_01\_C-27.DWG PLOT SCALE: 1:1 PLOT DATE: 5/6/2024 3:00 PM  
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NO.	BY	CHK	APP.	DATE	REVISION DESCRIPTION

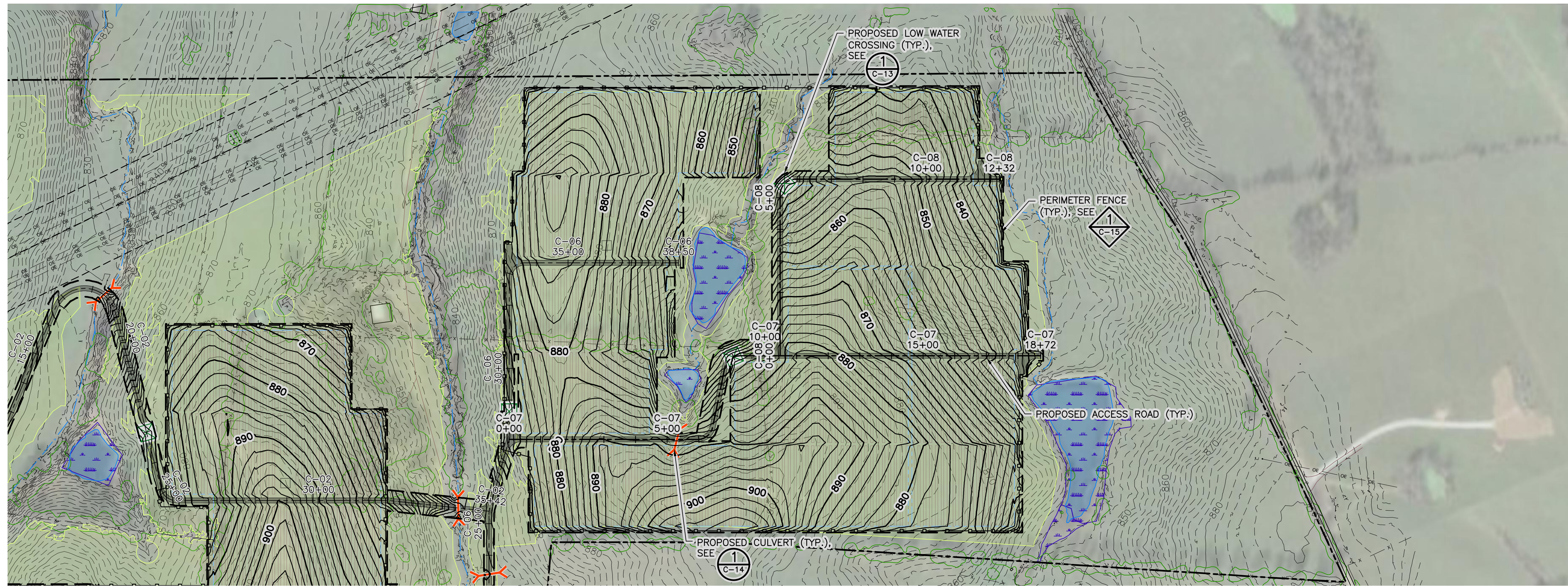
REVIEW	DATE
10% DESIGN	07/02/21
90% DESIGN	08/05/22
CONSTRUCTION	02/02/24
	02/15/24
	05/08/24

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Scale	AS SHOWN
Date	01/31/2024
Drawn	JAM6
Checked	ZJN
Designed	BARR
Approved	MBI



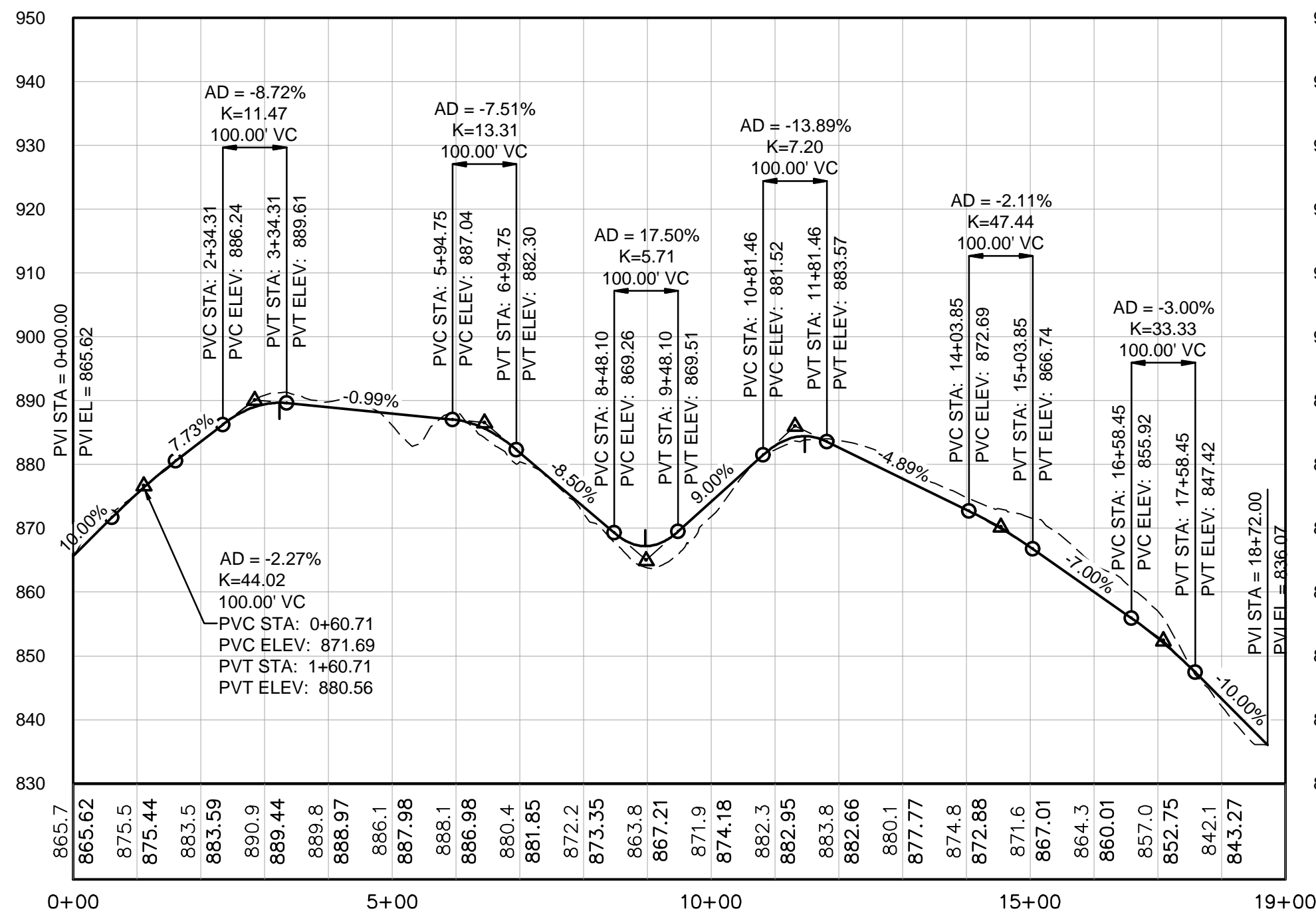
NORTHERN BOBWHITE SOLAR MARION COUNTY, KENTUCKY		BARR PROJECT No. 17751001.01
PLAN AND PROFILE ROAD C-06		CLIENT PROJECT No. -
DWG. No. C-27	REV. No. E	



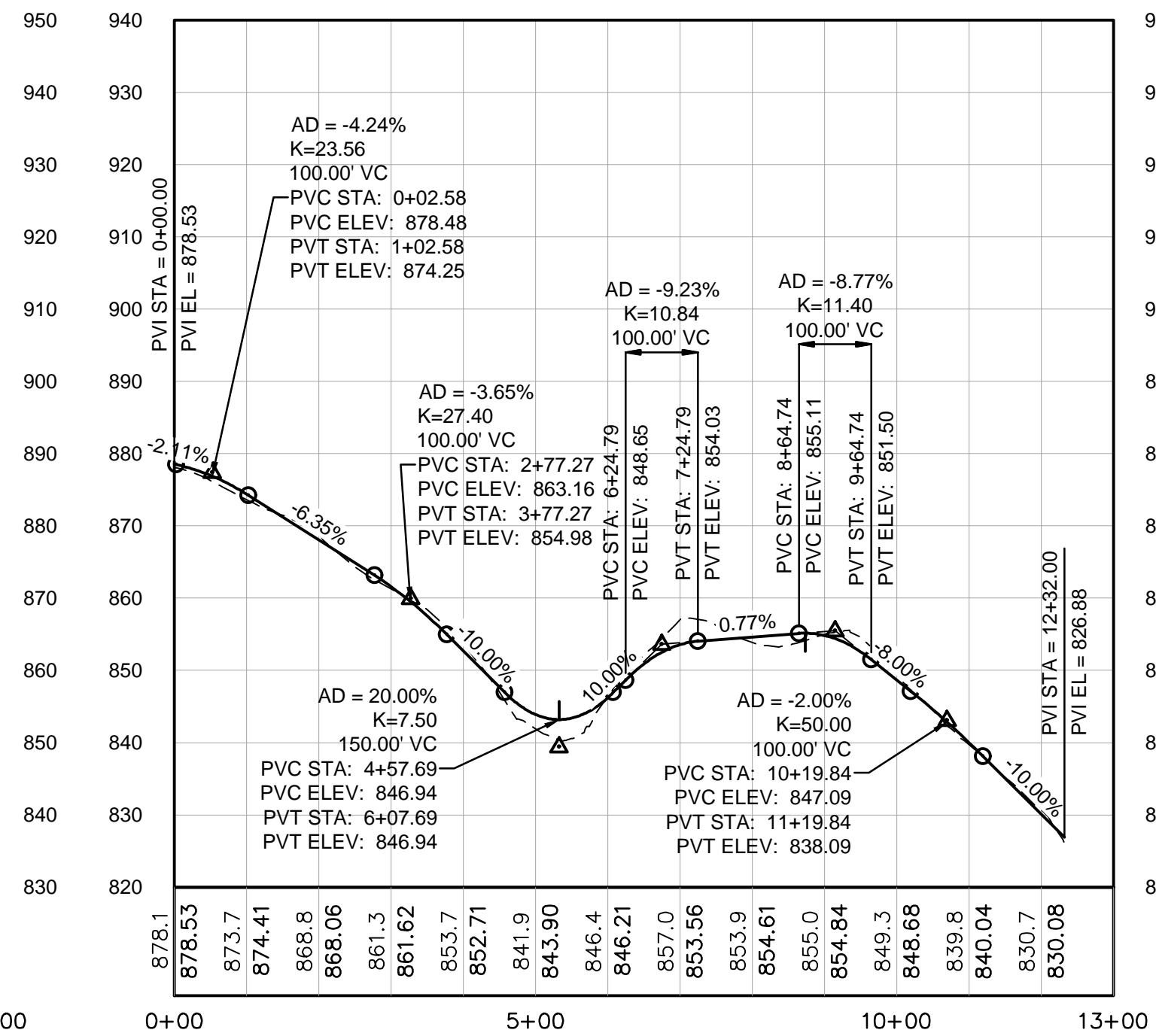
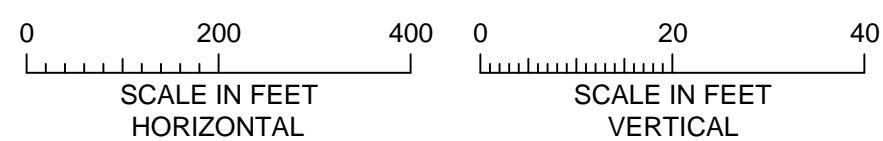
**LEGEND**

- EXISTING 10' CONTOUR: ---100---
- EXISTING 2' CONTOUR: - - - - -
- EXISTING UNPAVED ROAD: = = = = =
- EXISTING PAVED ROAD: = = = = =
- WETLAND: [Blue hatched area]
- FEMA 100 YR FLOOD AREA: [Blue area]
- DRAINAGE SWALE/CREEK: - - - - -
- TREE LINE: [Green wavy line]
- EXISTING FENCE: - x - x - x -
- EXISTING OVERHEAD POWER: - OE - OE - OE -
- DO NOT DISTURB: [Red hatched area]
- PROJECT BOUNDARY: [Red dashed line]
- PROJECT ACCESS AND DELIVERY ROUTE: [Red arrow]
- SOLAR PANEL LAYOUT: [Vertical lines]
- SOLAR PANEL BUILDABLE LAND: [Yellow area]
- PROPOSED ACCESS ROAD: [Grey line]
- PROPOSED PERIMETER FENCE: [Black dashed line]
- PROPOSED ACCESS ROAD CENTERLINE: [Black dashed line]
- PROPOSED SOLAR PANEL BLOCKS: [Blue dashed line]
- PROPOSED INVERTER: [Green square]
- PROPOSED LOW WATER CROSSING: [Green X]
- PROPOSED CULVERT: [Red X]
- PROPOSED DITCH: [Red dashed line]
- PROPOSED 10' CONTOURS: ---100---
- PROPOSED 2' CONTOURS: - - - - -
- APPROXIMATE GRADING DAYLIGHT: - - - - -

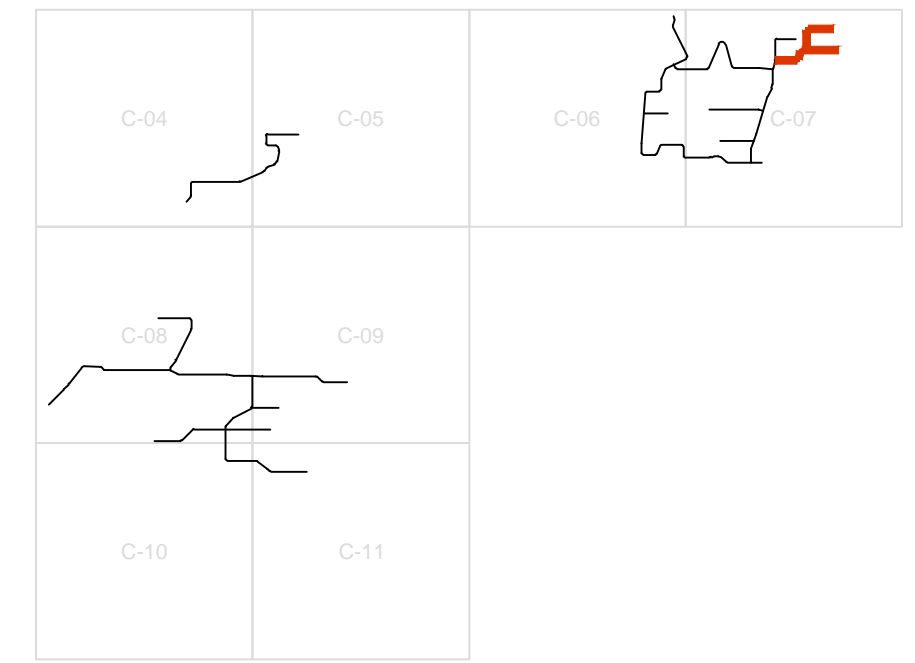
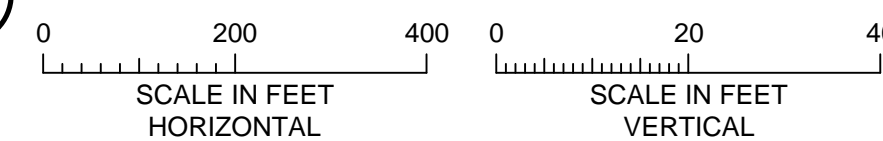
1 PLAN: ROADS C-07 AND C-08



2 PROFILE: ROAD C-07 - STA 0+00 - 18+72



3 PROFILE: ROAD C-08 - STA 0+00 - 12+32



KEY MAP



10% DESIGN  
NOT FOR CONSTRUCTION  
05/06/2024

CADD USER: Zach Nelson FILE: C:\JIN\NORTHERN BOBWHITE\17751001\_01\_C-28.DWG PLOT SCALE: 1:1 PLOT DATE: 5/6/2024 3:00 PM  
 BAR: 10/05/2010 14:03:50

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Drawn	JAM6
Checked	ZJN
Designed	BARR
Approved	MBI



**NORTHERN BOBWHITE SOLAR**  
 MARION COUNTY, KENTUCKY

PLAN AND PROFILE  
 ROADS C-07 AND C-08

BARR PROJECT No.	17751001.01
CLIENT PROJECT No.	-
DWG. No.	C-28
REV. No.	E