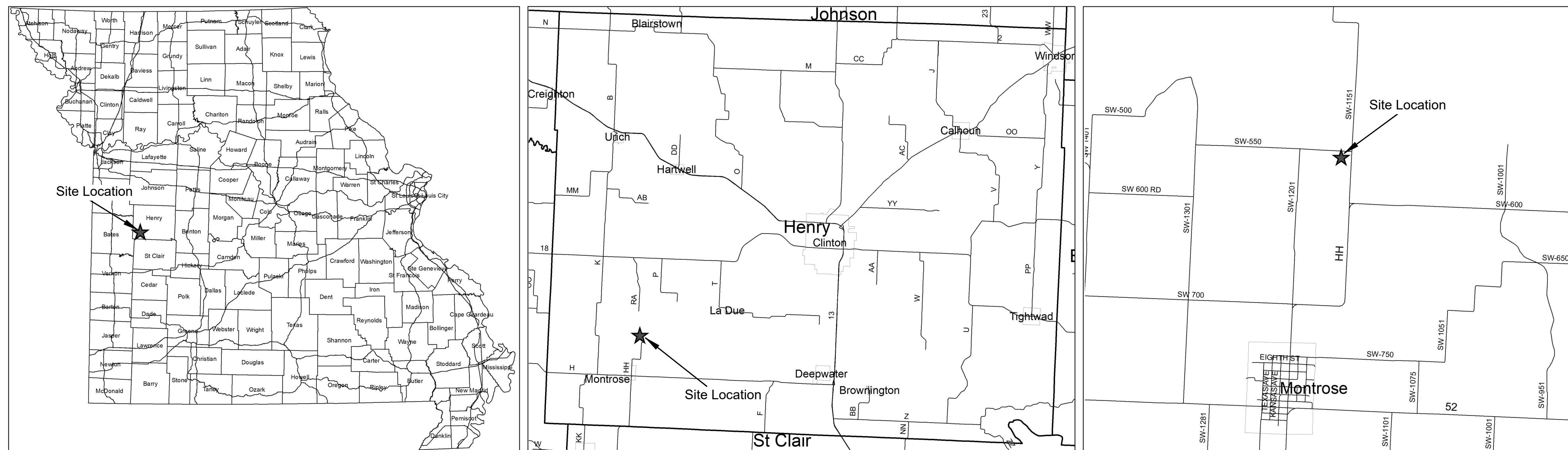


# Two Rocks Reclamation Project

## Henry County, Missouri



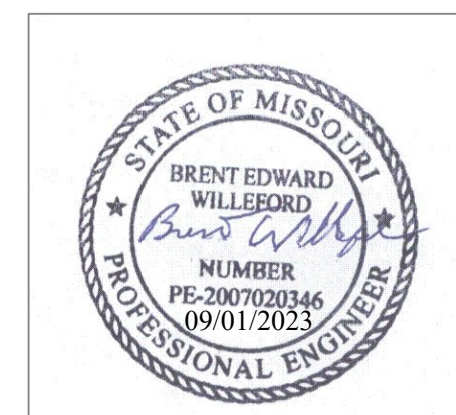
### INDEX OF SHEETS

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G-101	EXISTING CONDITIONS AERIAL
G-102	EXISTING CONDITIONS AREA 1, AREA 2, & AREA 3
G-103	EXISTING CONDITIONS AREA 4
C-100	PLAN VIEW OVERALL
C-101	PLAN VIEW AREA 1, AREA 2, & AREA 3
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C-104	CROSS SECTIONS BASELINE-1 Sta 8+00 to Sta 11+00 BASELINE-2 Sta 0+50 to Sta 5+00 BASELINE-3 Sta 0+50 to Sta 3+50
C-105	CROSS SECTIONS BASELINE-4 Sta 0+50 to Sta 11+50
D-100	DETAILS

OWNER: STATE OF MISSOURI  
MICHAEL L. PARSON  
GOVERNOR

DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION PROGRAM (LRP)

PROJECT MANAGEMENT: OFFICE OF ADMINISTRATION  
DIVISION OF FACILITIES MANAGEMENT,  
DESIGN AND CONSTRUCTION



DESIGNER: LAND RECLAMATION PROGRAM

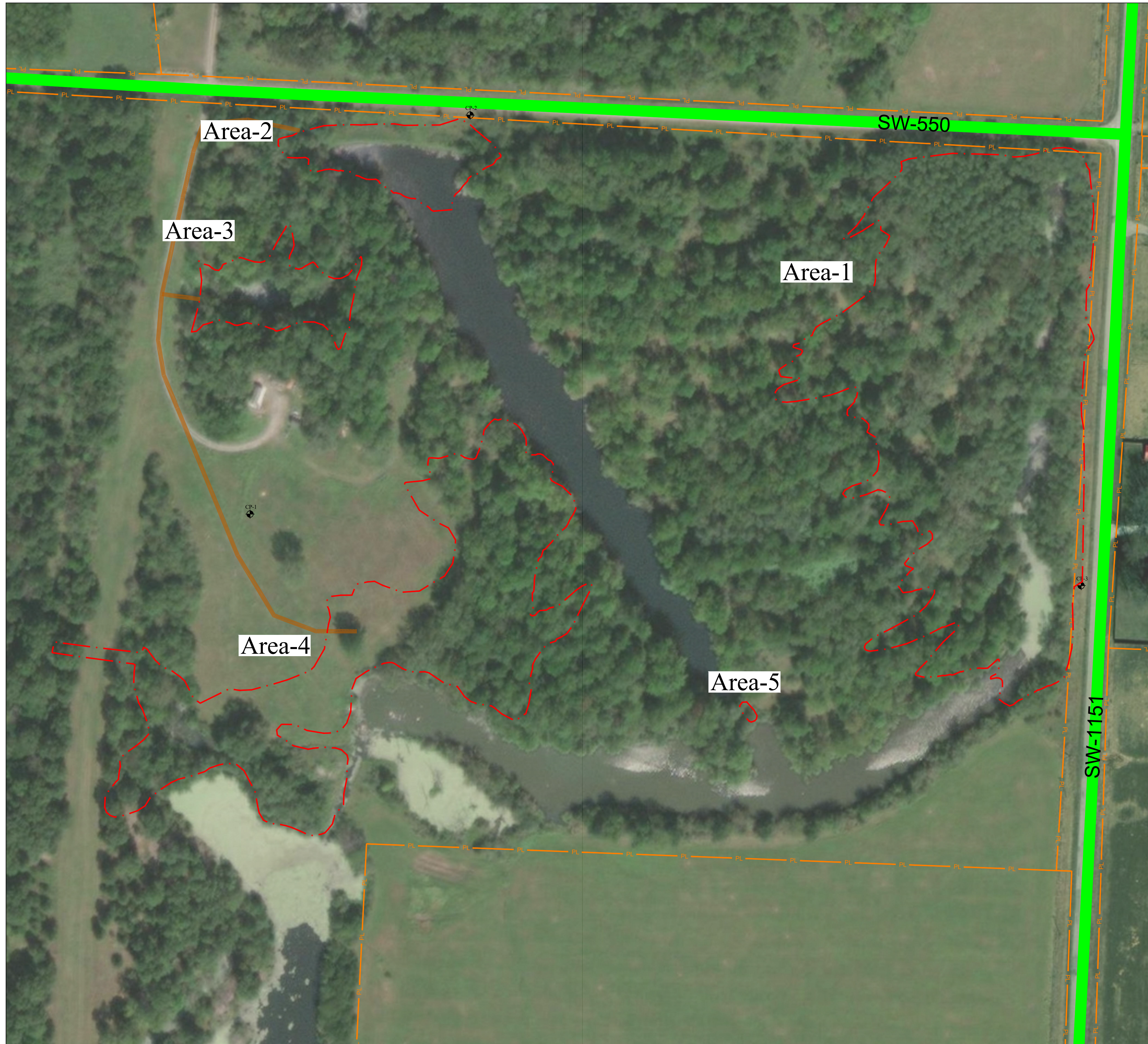
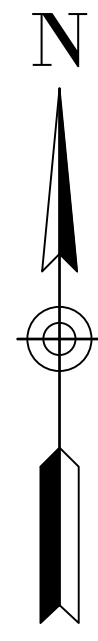
PROJECT NUMBER: Y2302-01

SHEET NUMBER:

**G-100**

1 OF 11 SHEETS  
September 01, 2023

# Two Rocks Reclamation Project



0 100' 200'  
Scale: 1" = 100'

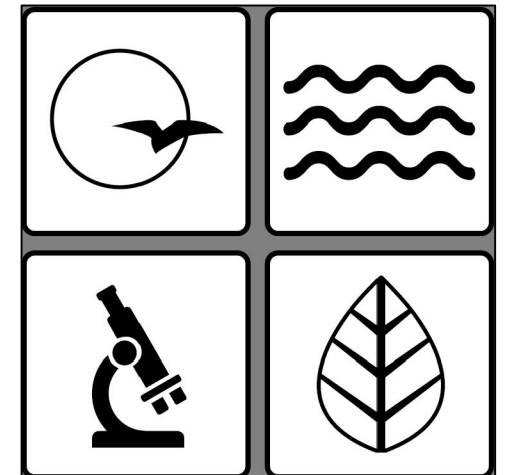
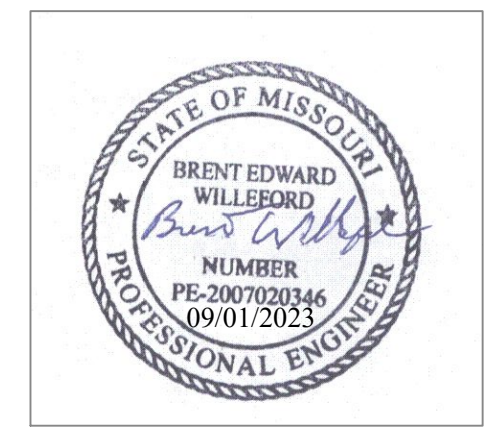
## Notes:

1. Missouri One Call System (DIG\_RITE)  
1-800-344-7483.
2. Verifications of the locations of above ground and below ground utilities, shown or not shown, shall be the responsibility of the construction contractor.
3. Property lines are approximate.
4. All areas of incidental coal waste shall be treated with an application and incorporation of Ag Lime, as directed by the Resident Project Representative, and buried a minimum of six (6) feet below final grade.
5. Remove all trash and debris within the project limits, whether shown on drawings or not, and dispose of off-site in permitted, licensed landfill.
6. All roadside ditches disturbed by construction activities shall be reestablished by Contractor. Unless otherwise indicated on plans, outlet all ditches as field conditions warrant and as approved by the Resident Project Representative.
7. All existing fences disturbed by construction activities are to be reestablished to as good or better condition unless otherwise shown on the project plans.
8. Contractor shall be responsible for referencing existing fence locations and corner posts within the project areas prior to removal.
9. Existing roads affected by the haul road shall have rock placed and reestablished to as good or better condition.
10. All areas disturbed shall be ripped, disked, and reseeded.

## Legend

Roads	
Disturbance Boundary	
Property Line	
Haul Road	
Control Point	

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



**MISSOURI**  
DEPARTMENT OF  
NATURAL  
RESOURCES

OFFICE OF ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT,  
DESIGN AND CONSTRUCTION

MO. DEPARTMENT OF  
NATURAL RESOURCES  
LAND RECLAMATION  
PROGRAM

Two Rocks Reclamation Project

FACILITY: NOT APPLICABLE

Henry County, Missouri

PROJECT # Y2302-01  
SITE # N/A  
FACILITY # N/A

REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
ISSUE DATE: 09/01/2023

CAD DWG FILE: \_\_\_\_\_  
DRAWN BY: JLM  
CHECKED BY: BEW  
DESIGNED BY: JLM

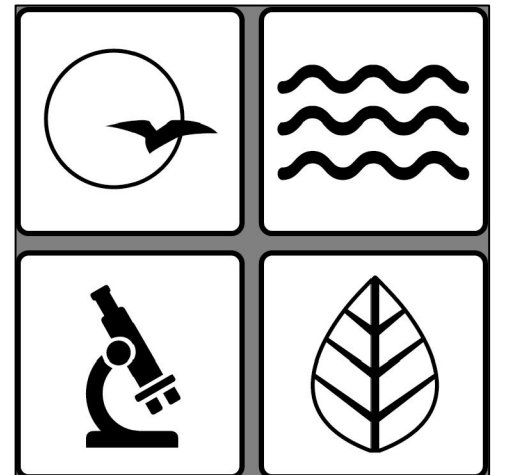
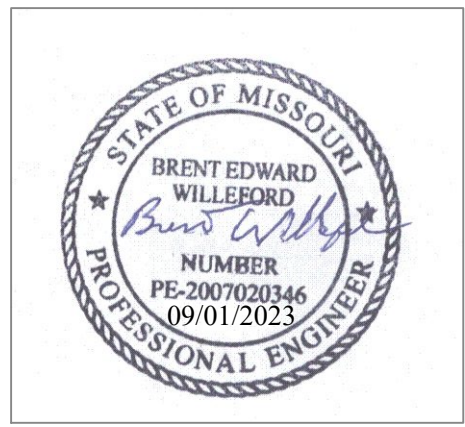
SHEET TITLE:  
Existing Conditions Aerial

SHEET NUMBER:

**G-101**  
2 OF 11 SHEETS  
09/01/2023

# Two Rocks Reclamation Project

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



**MISSOURI**  
DEPARTMENT OF  
NATURAL  
RESOURCES

OFFICE OF ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT,  
DESIGN AND CONSTRUCTION

MO. DEPARTMENT OF  
NATURAL RESOURCES  
LAND RECLAMATION  
PROGRAM

Two Rocks Reclamation Project

FACILITY: NOT APPLICABLE

Henry County, Missouri

PROJECT # Y2302-01  
SITE # N/A  
FACILITY # N/A

REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
ISSUE DATE: 09/01/2023

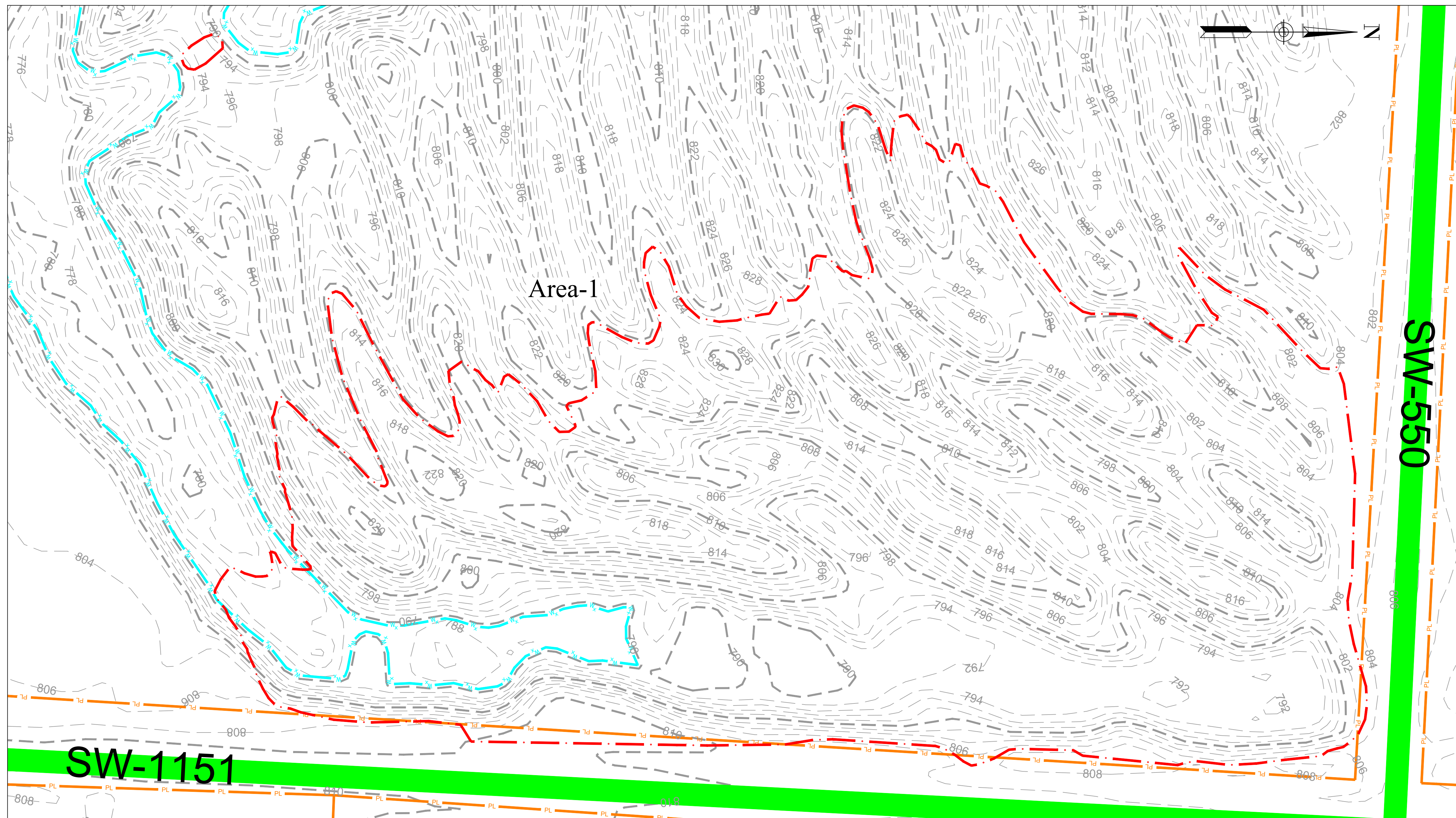
CAD DWG FILE: \_\_\_\_\_  
DRAWN BY: JLM  
CHECKED BY: BEW  
DESIGNED BY: JLM

SHEET TITLE:  
Existing Conditions  
Area 1, Area 2, Area 3

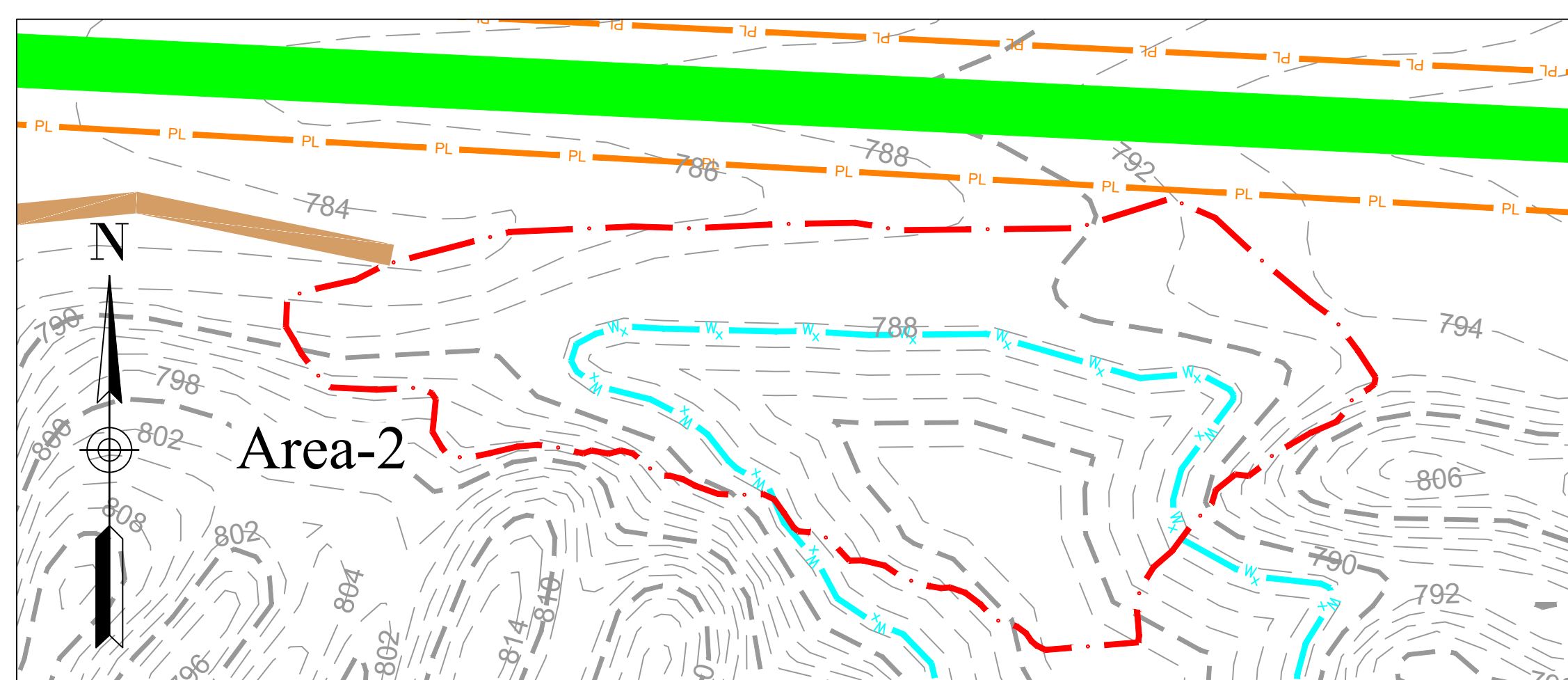
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**G-102**

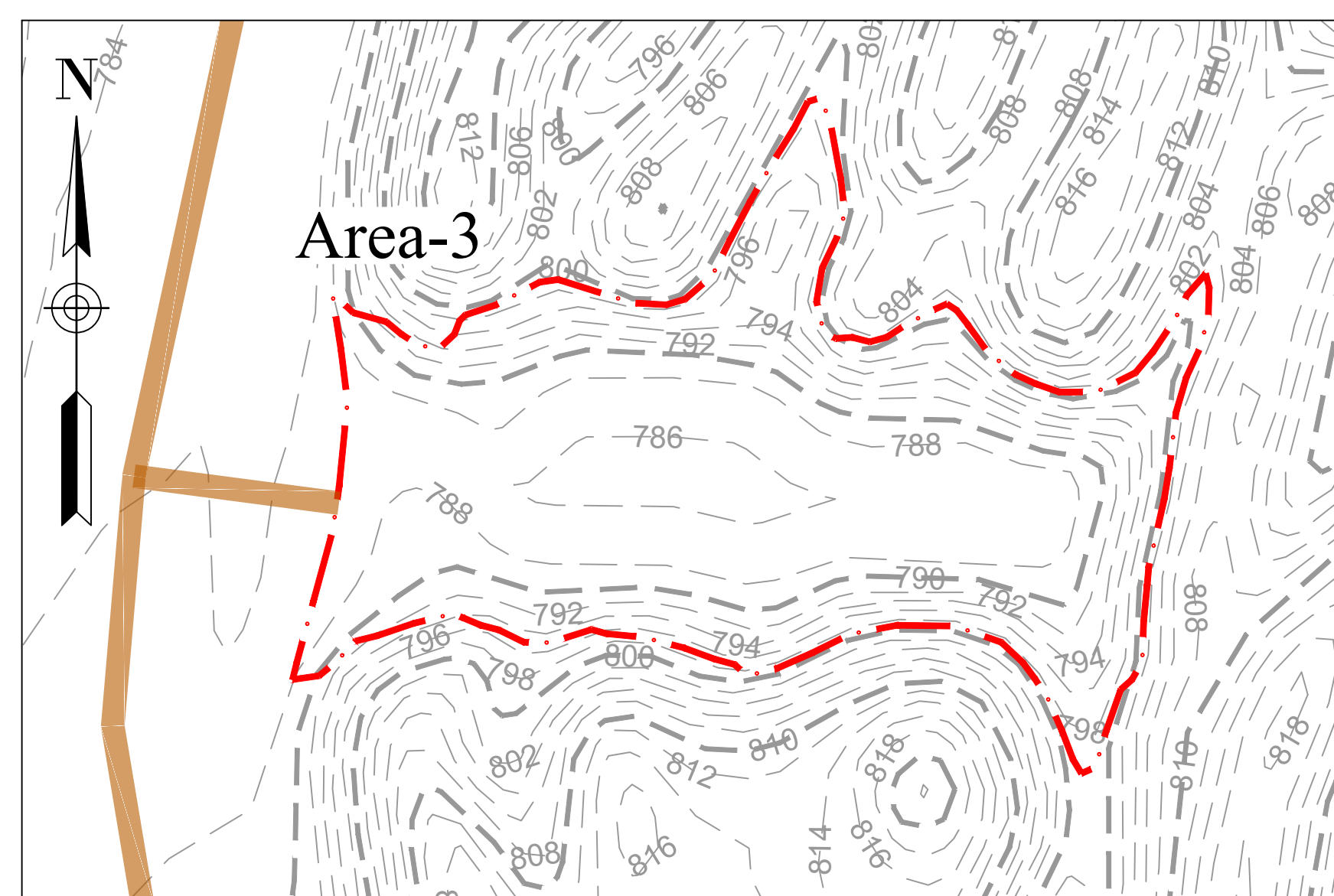
3 OF 11 SHEETS  
09/01/2023



0 50' 100'  
Scale: 1" = 50'



0 50' 100'  
Scale: 1" = 50'

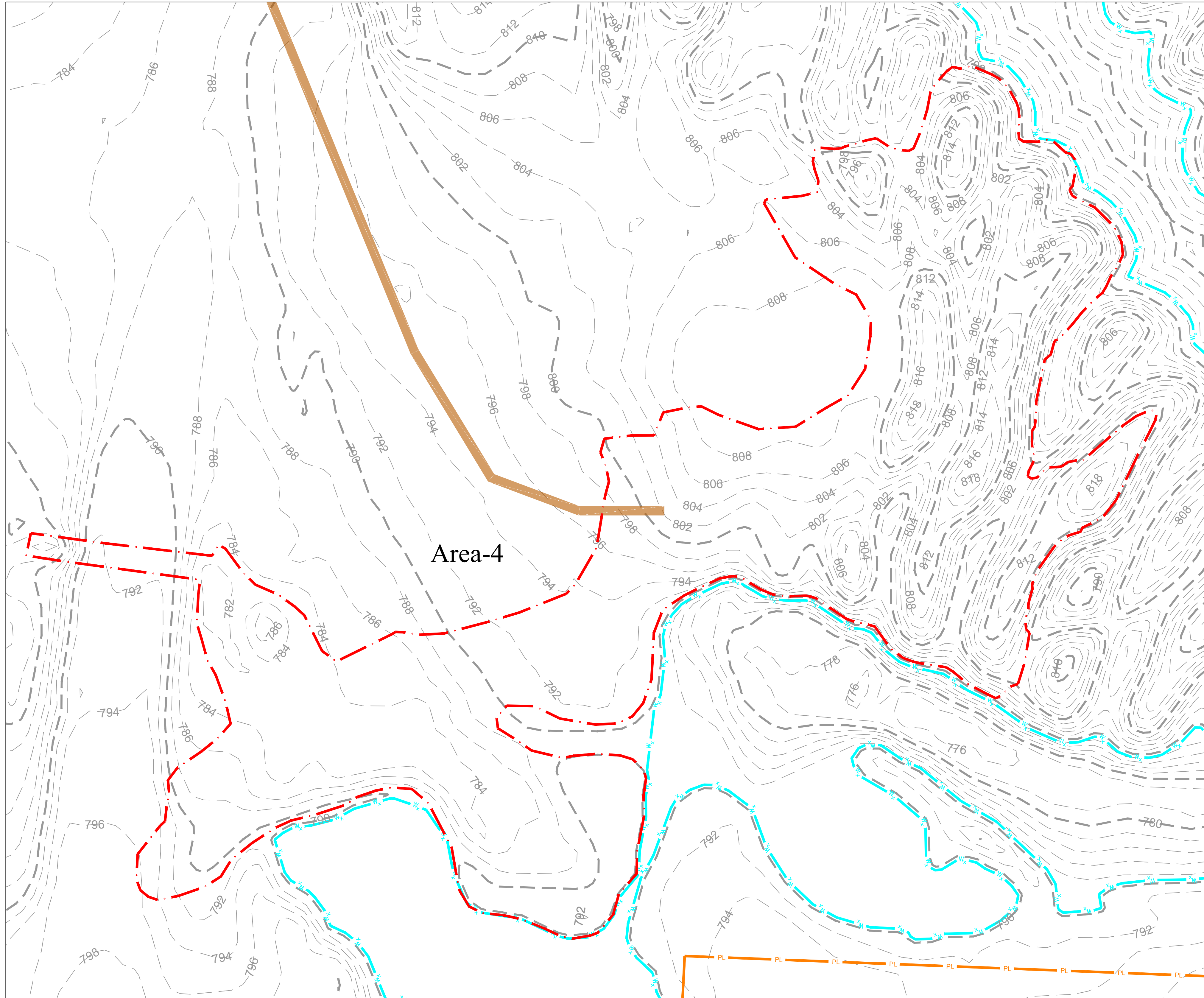
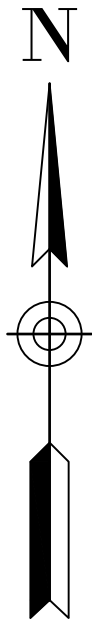


0 50' 100'  
Scale: 1" = 50'

## Legend

Existing Contour	- - - - -
Roads	
Disturbance Boundary	- · - · - ·
Haul Road	
Existing Waterline	
Property Line	

# Two Rocks Reclamation Project

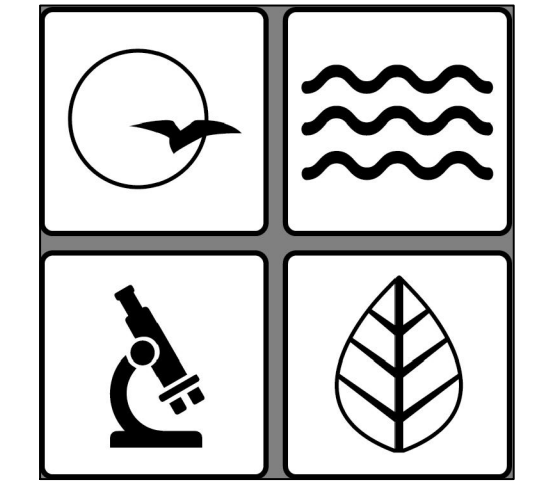
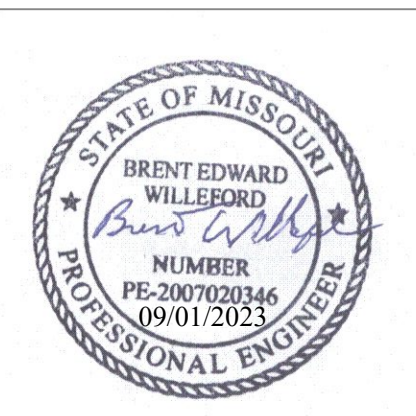


0 50' 100'  
Scale: 1" = 50'

## Legend

Existing Contour	- - - - -
Roads	
Disturbance Boundary	- · - · - ·
Haul Road	
Existing Waterline	
Property Line	

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



## MISSOURI DEPARTMENT OF NATURAL RESOURCES

OFFICE OF ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT,  
DESIGN AND CONSTRUCTION

MO. DEPARTMENT OF  
NATURAL RESOURCES  
LAND RECLAMATION  
PROGRAM

Two Rocks Reclamation Project

FACILITY: NOT APPLICABLE

Henry County, Missouri

PROJECT # Y2302-01  
SITE # N/A  
FACILITY # N/A

REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
ISSUE DATE: 09/01/2023

CAD DWG FILE: \_\_\_\_\_  
DRAWN BY: JLM  
CHECKED BY: BEW  
DESIGNED BY: JLM

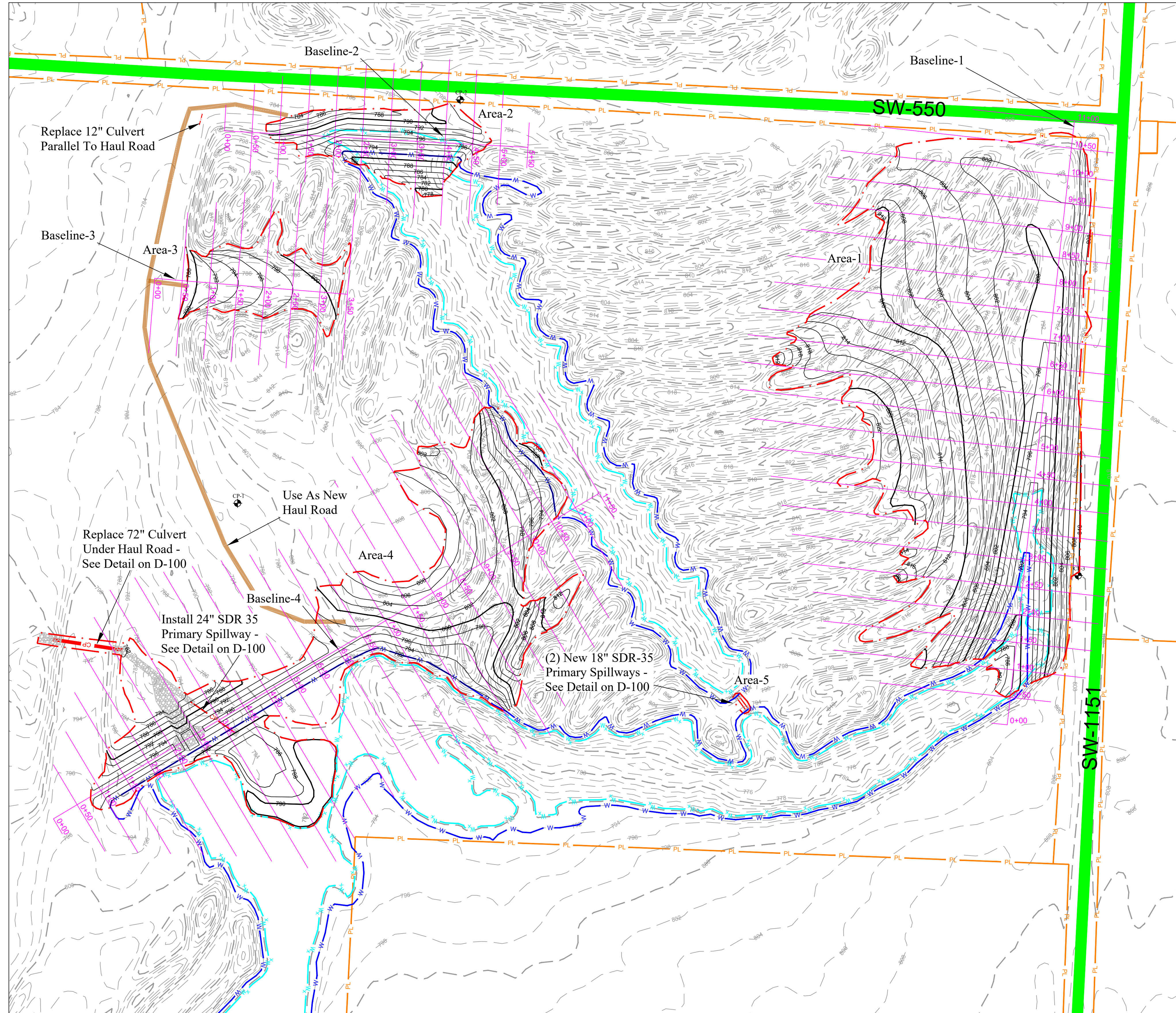
SHEET TITLE:  
Existing Conditions  
Area 4

SHEET NUMBER:

# G-103

4 OF 11 SHEETS  
09/01/2023

# Two Rocks Reclamation Project



0 100' 200'  
Scale: 1" = 100'

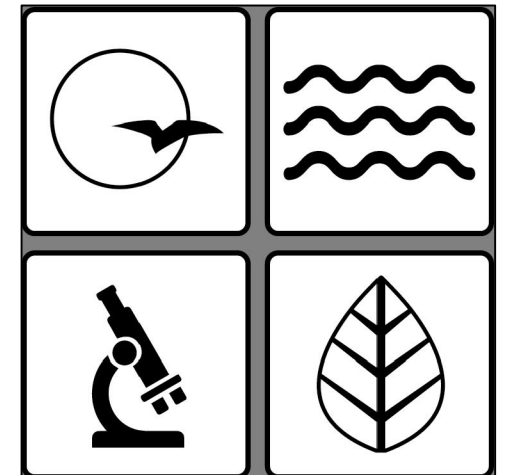
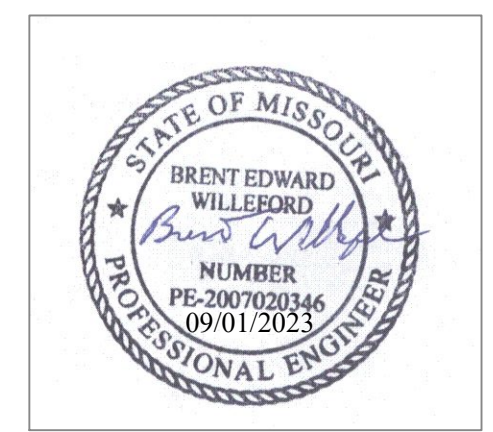
CONTROL POINT DATA				
PT. NO	NORTHING UTM ZONE-15 NAD-83 (FT)	EASTING UTM ZONE-15 NAD-83 (FT)	ELEVATION NAVD 88 (FT)	DESCRIPTION
CP-01	13905596.44	1360367.18	796.25	2" Aluminum Cap
CP-02	13906326.72	1360770.19	792.72	2" Aluminum Cap
CP-03	13905465.48	1361888.92	809.92	2" Aluminum Cap

BASELINE DATA			
BASELINE #	STATION #	NORTHING UTM ZONE-15 (FT)	EASTING UTM ZONE-15 (FT)
BASELINE - 1	0+00	13905195.36	1361760.31
BASELINE - 1	11+00	13906288.61	1361881.92
BASELINE - 2	0+00	13906270.29	1360343.55
BASELINE - 2	5+00	13906240.51	1360892.74
BASELINE - 3	0+00	13906003.38	1360217.23
BASELINE - 3	3+50	13905974.56	1360566.04
BASELINE - 4	0+00	13905025.26	1360033.82
BASELINE - 4	11+00	13905614.25	1361021.54

## Legend

Existing Contour	
Design Contour	
Roads	
Disturbance Boundary	
Existing Water Edge	
Design Water Edge	
Property Line	
Haul Road	
Primary Spillway	
Control Point	

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



**MISSOURI**  
DEPARTMENT OF  
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RESOURCES

OFFICE OF ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT,  
DESIGN AND CONSTRUCTION

MO. DEPARTMENT OF  
NATURAL RESOURCES  
LAND RECLAMATION  
PROGRAM

Two Rocks Reclamation Project

FACILITY: NOT APPLICABLE

Henry County, Missouri

PROJECT # Y2302-01  
SITE # N/A  
FACILITY # N/A

REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
ISSUE DATE: 09/01/2023

CAD DWG FILE: \_\_\_\_\_  
DRAWN BY: JLM  
CHECKED BY: BEW  
DESIGNED BY: JLM

SHEET TITLE:  
Plan View Overall

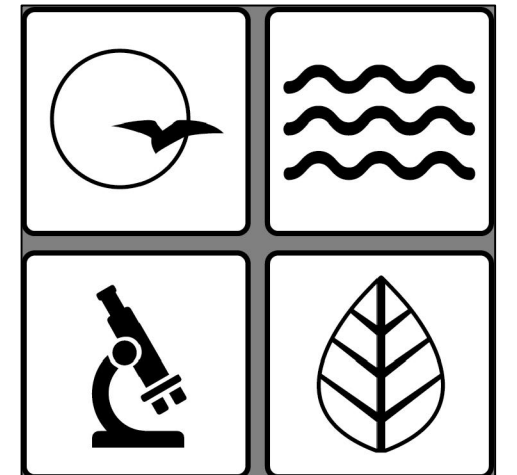
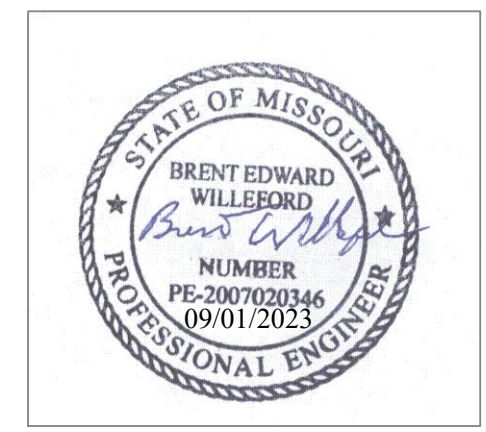
SHEET NUMBER:

**C-100**

5 OF 11 SHEETS  
09/01/2023

# Two Rocks Reclamation Project

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



**MISSOURI**  
DEPARTMENT OF  
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OFFICE OF ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT,  
DESIGN AND CONSTRUCTION

MO. DEPARTMENT OF  
NATURAL RESOURCES  
LAND RECLAMATION  
PROGRAM

Two Rocks Reclamation Project

FACILITY: NOT APPLICABLE

Henry County, Missouri

PROJECT # Y2302-01  
SITE # N/A  
FACILITY # N/A

REVISION:  
DATE:  
REVISION:  
DATE:  
REVISION:  
DATE:  
ISSUE DATE: 09/01/2023

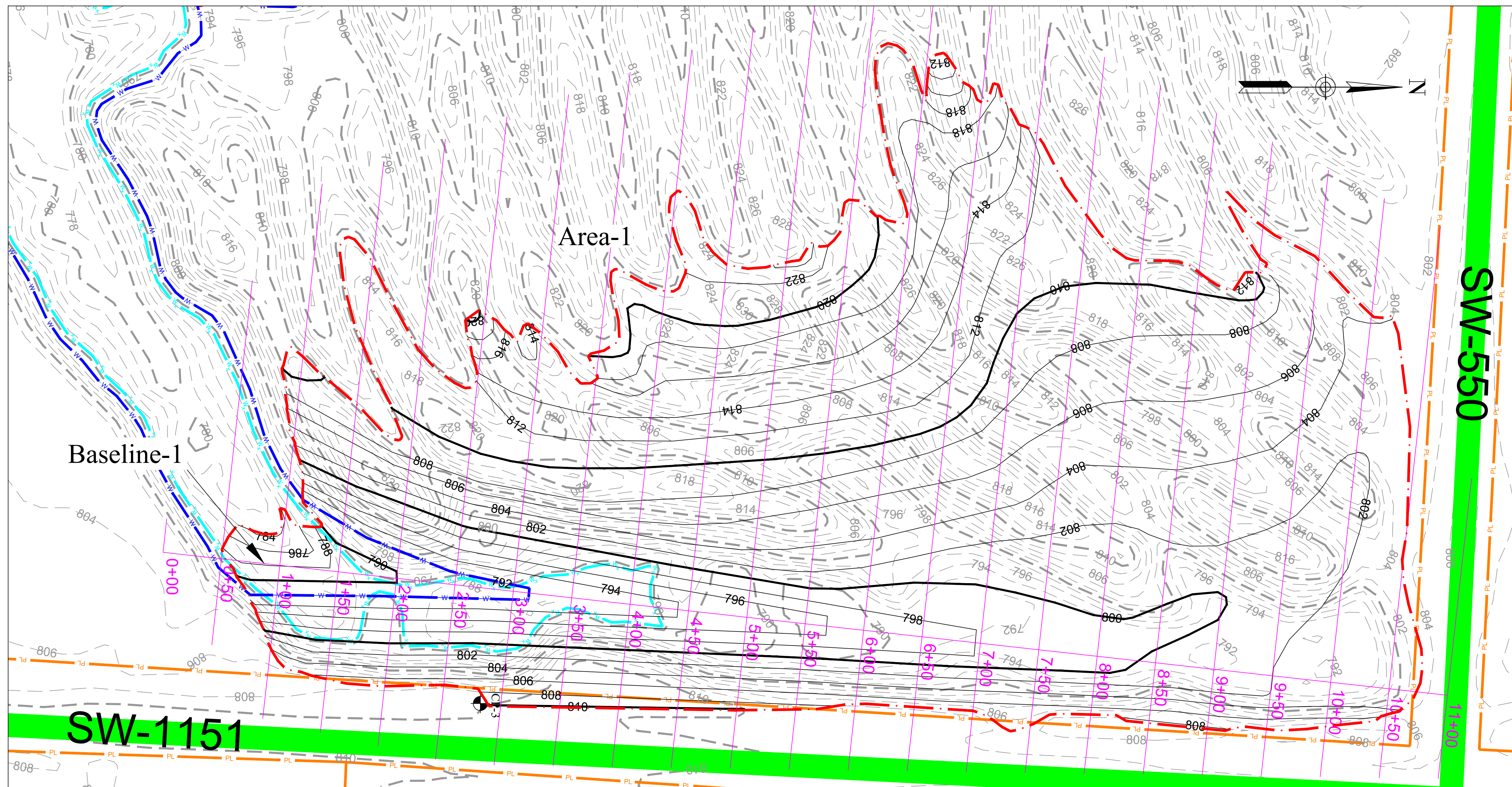
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DRAWN BY: JLM  
CHECKED BY: BEW  
DESIGNED BY: JLM

SHEET TITLE:  
Plan View  
Area 1, Area 2, Area 3

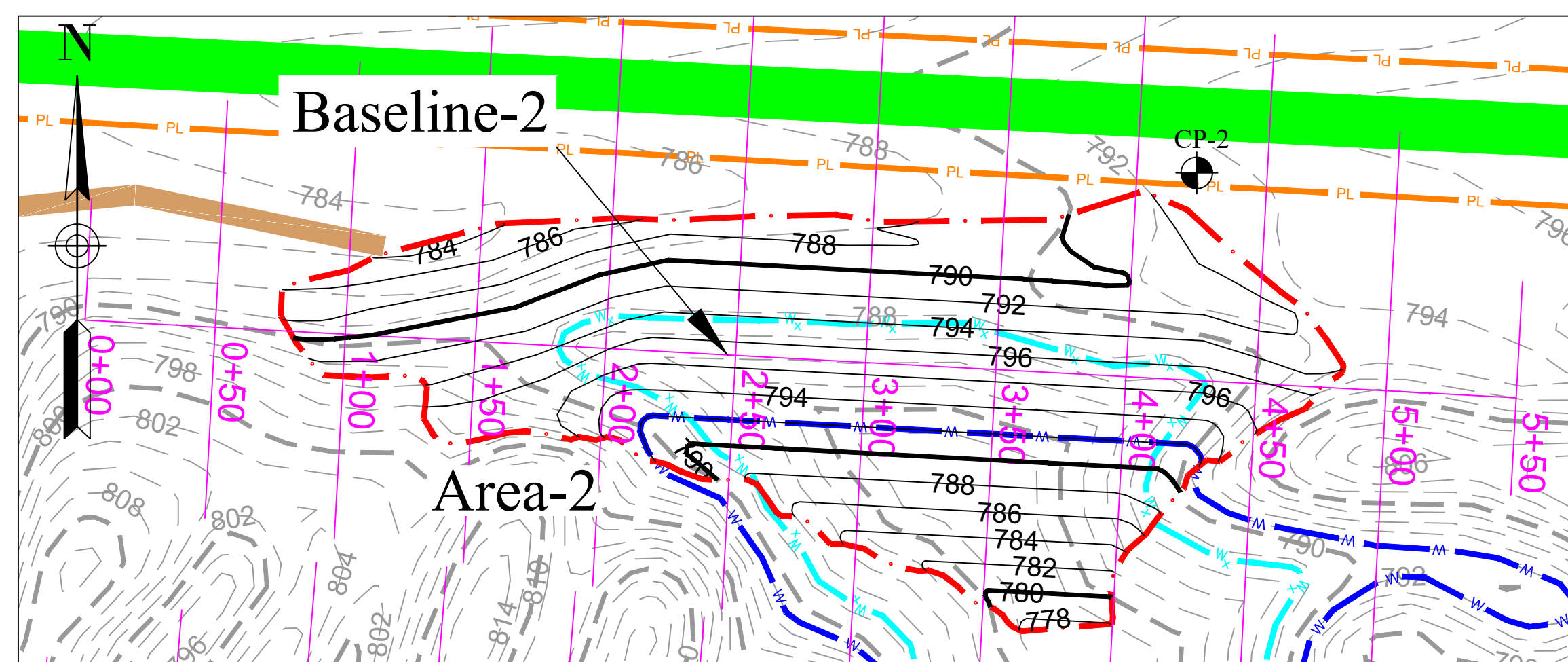
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**C-101**

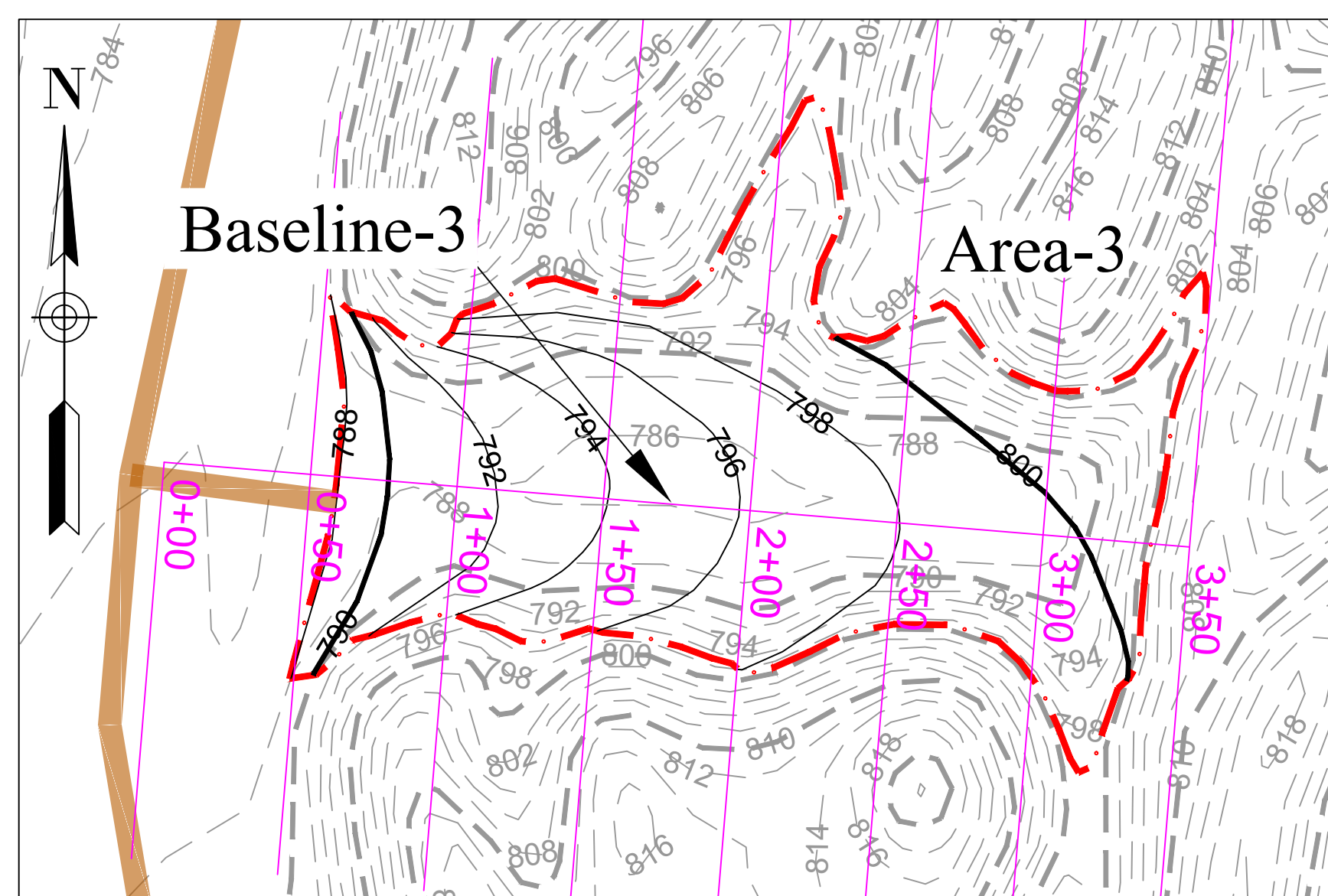
6 OF 11 SHEETS  
09/01/2023



Scale: 1" = 50'



Scale: 1" = 50'



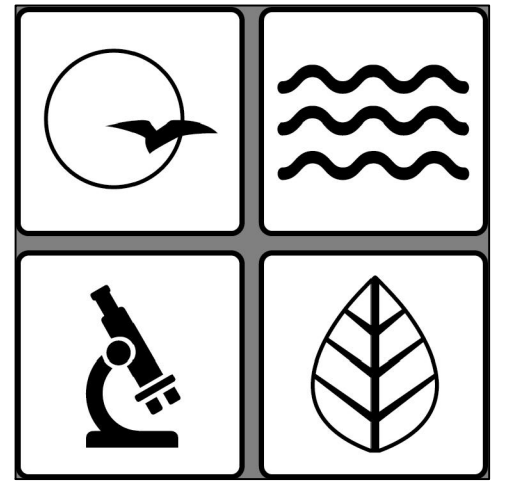
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## Legend

- Existing Contour
- Design Contour
- Roads
- Disturbance Boundary
- Existing Water Edge
- Design Water Edge
- Property Line
- Haul Road
- Primary Spillway
- Control Point

# Two Rocks Reclamation Project

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



**MISSOURI**  
DEPARTMENT OF  
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OFFICE OF ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT,  
DESIGN AND CONSTRUCTION

MO. DEPARTMENT OF  
NATURAL RESOURCES  
LAND RECLAMATION  
PROGRAM

Two Rocks Reclamation Project

FACILITY: NOT APPLICABLE

Henry County, Missouri

PROJECT # Y2302-01  
SITE # N/A  
FACILITY # N/A

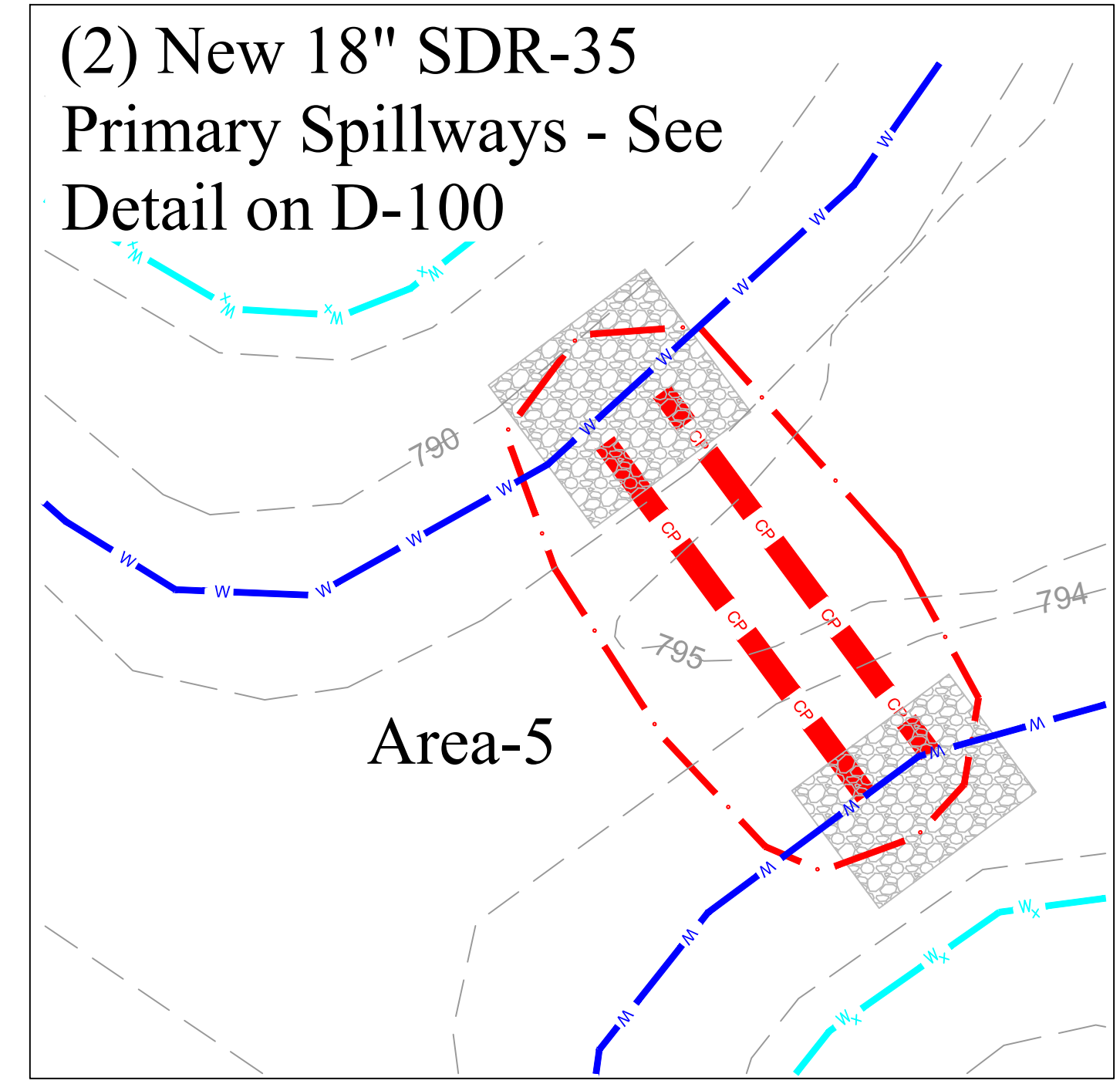
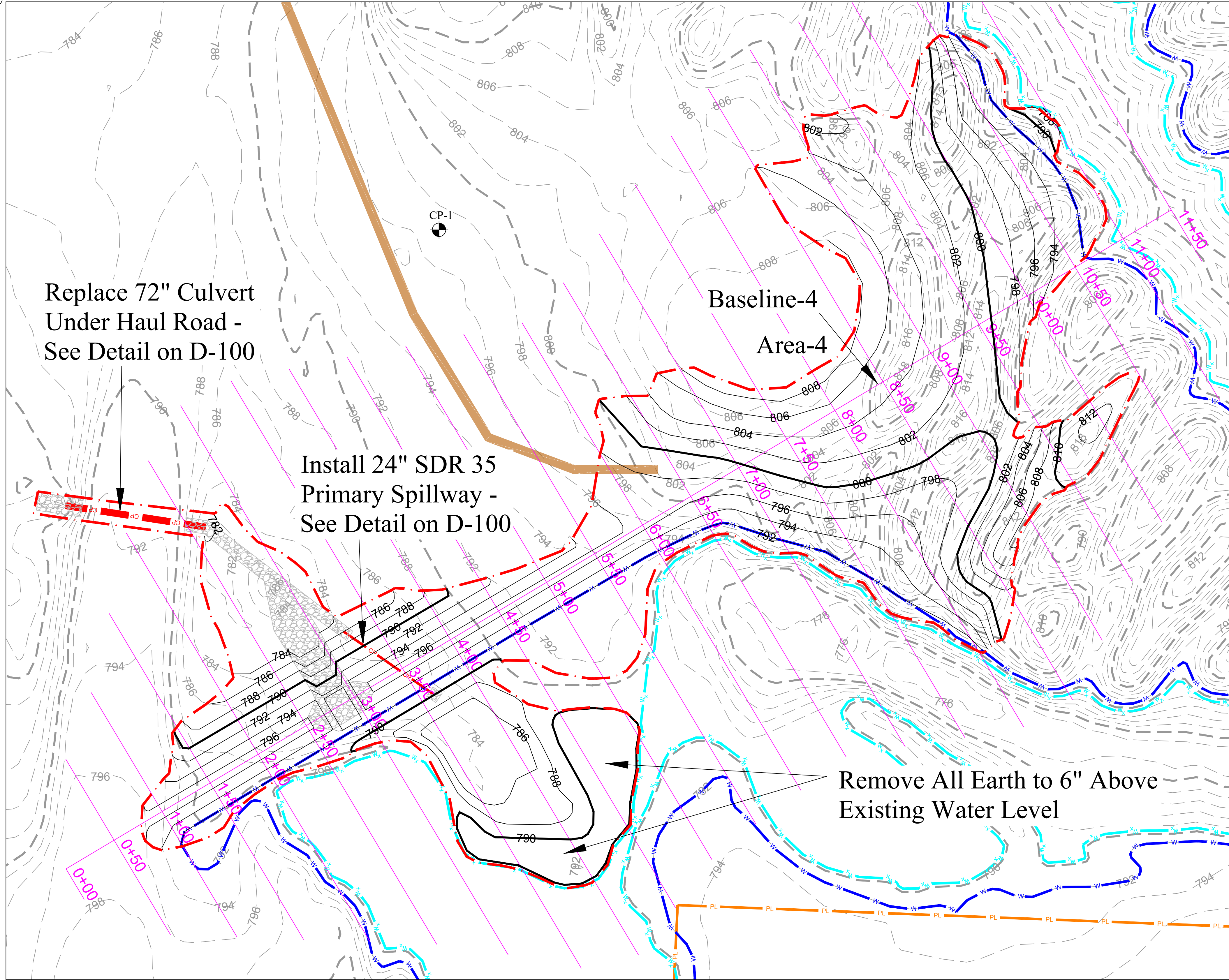
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REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
ISSUE DATE: 09/01/2023

CAD DWG FILE: \_\_\_\_\_  
DRAWN BY: JLM  
CHECKED BY: BEW  
DESIGNED BY: JLM

SHEET TITLE:  
Plan View  
Area 4 & Area 5

SHEET NUMBER:

**C-102**  
7 OF 11 SHEETS  
09/01/2023

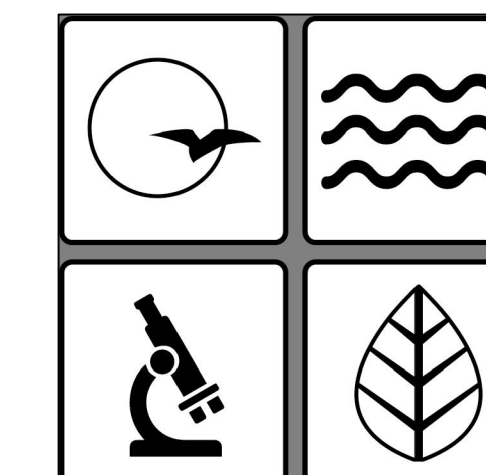
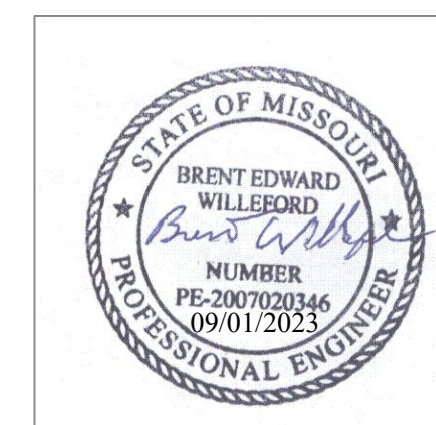


Scale: 1" = 10'

## Legend

Existing Contour	
Design Contour	
Roads	
Disturbance Boundary	
Existing Water Edge	
Design Water Edge	
Property Line	
Haul Road	
Primary Spillway	
MoDot Type 3 Ditch Liner	
Control Point	

Scale: 1" = 50'



**MISSOURI**  
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OFFICE OF ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT,  
DESIGN AND CONSTRUCTION

MO. DEPARTMENT OF  
NATURAL RESOURCES  
LAND RECLAMATION  
PROGRAM

Two Rocks Reclamation Project

FACILITY: NOT APPLICABLE

Henry County, Missouri

PROJECT # Y2302-01  
SITE # N/A  
FACILITY # N/A

REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
ISSUE DATE: 09/01/2023

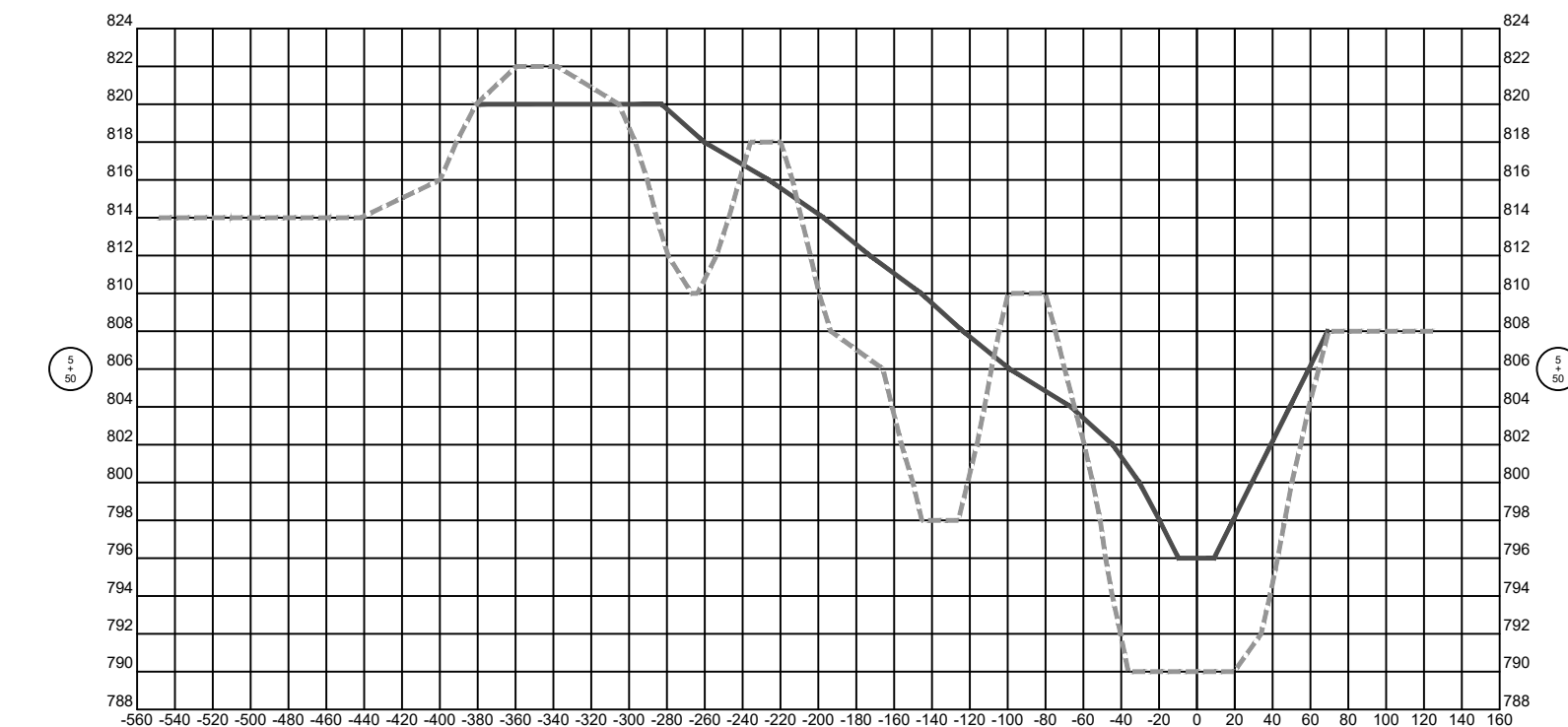
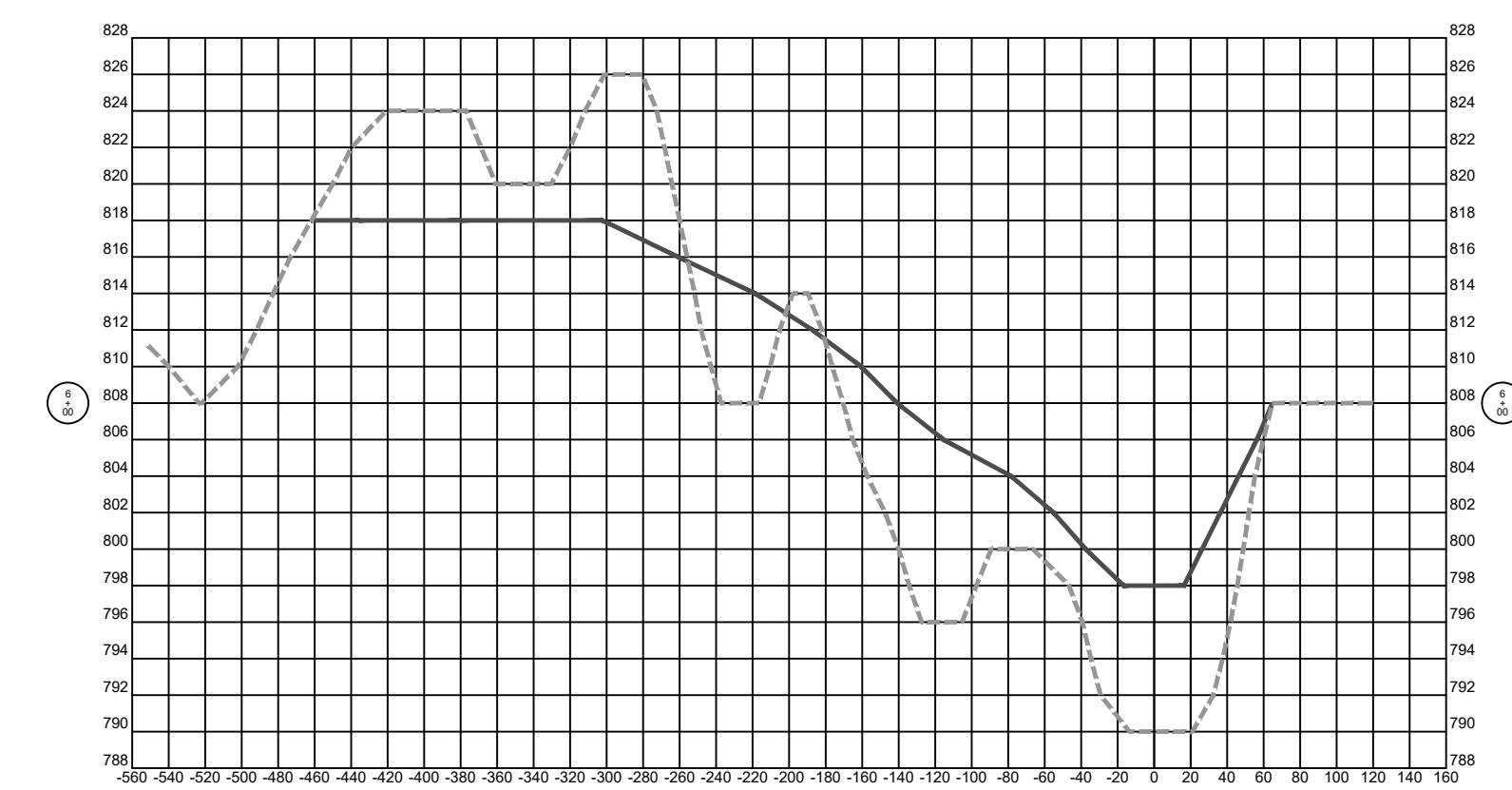
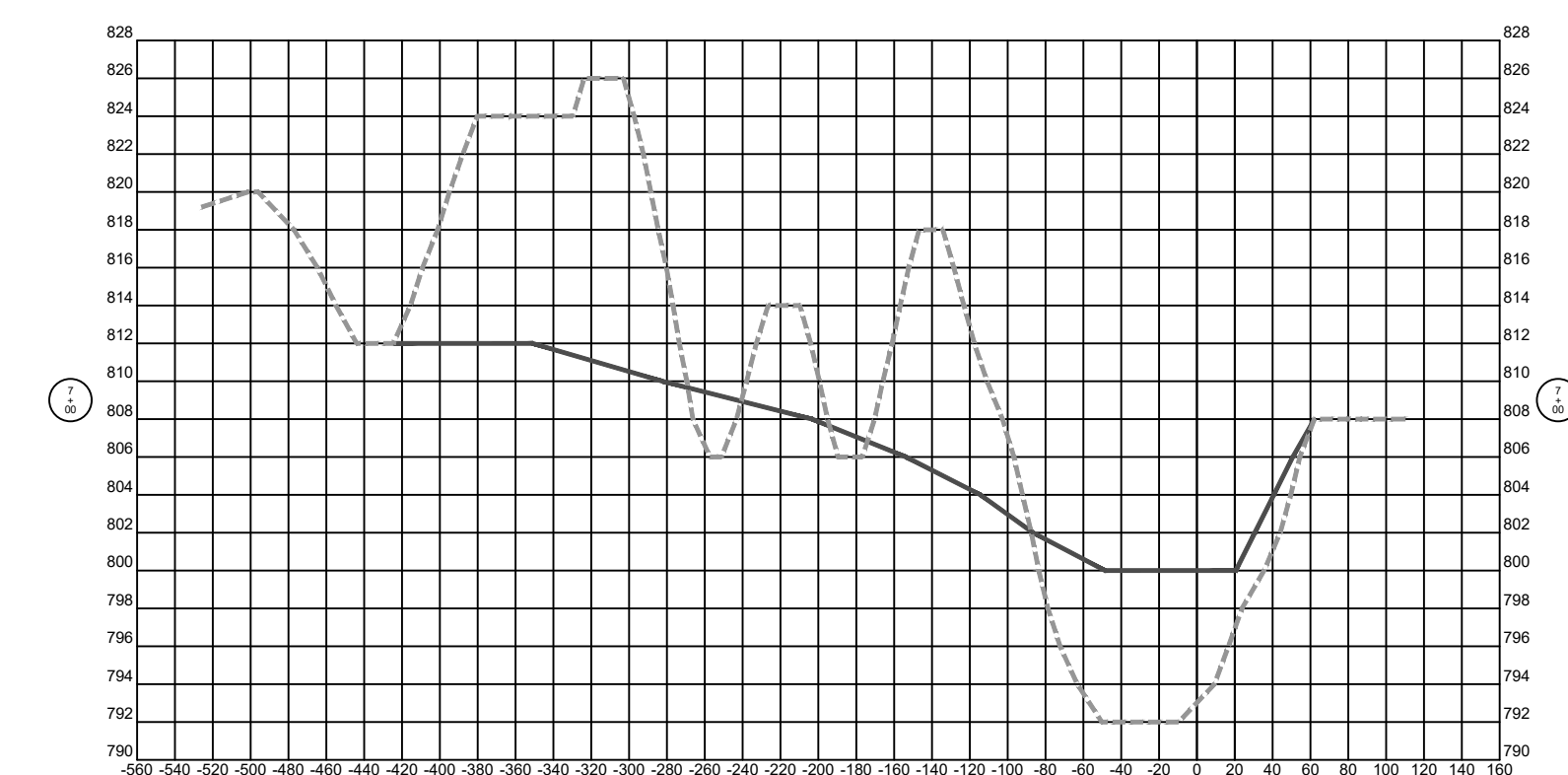
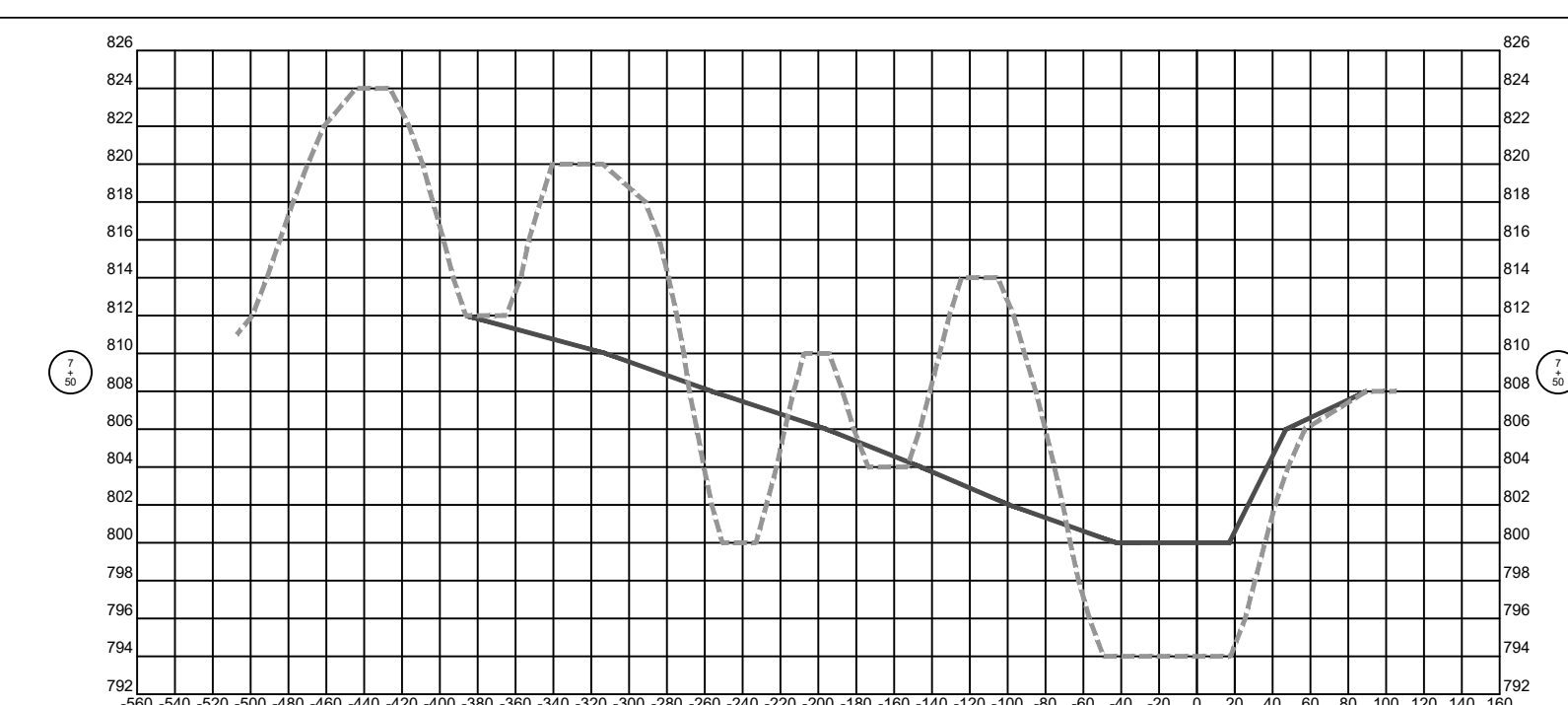
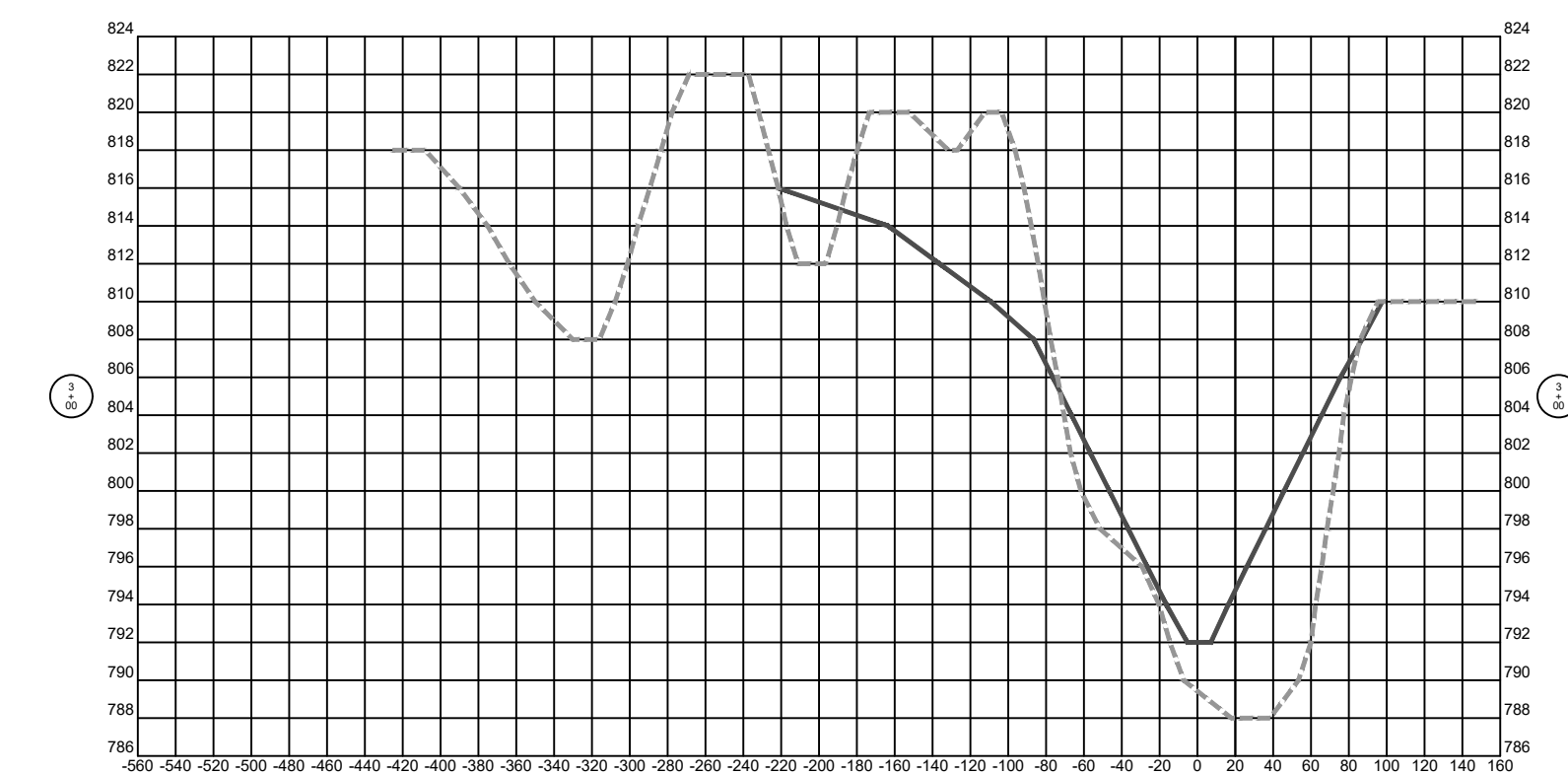
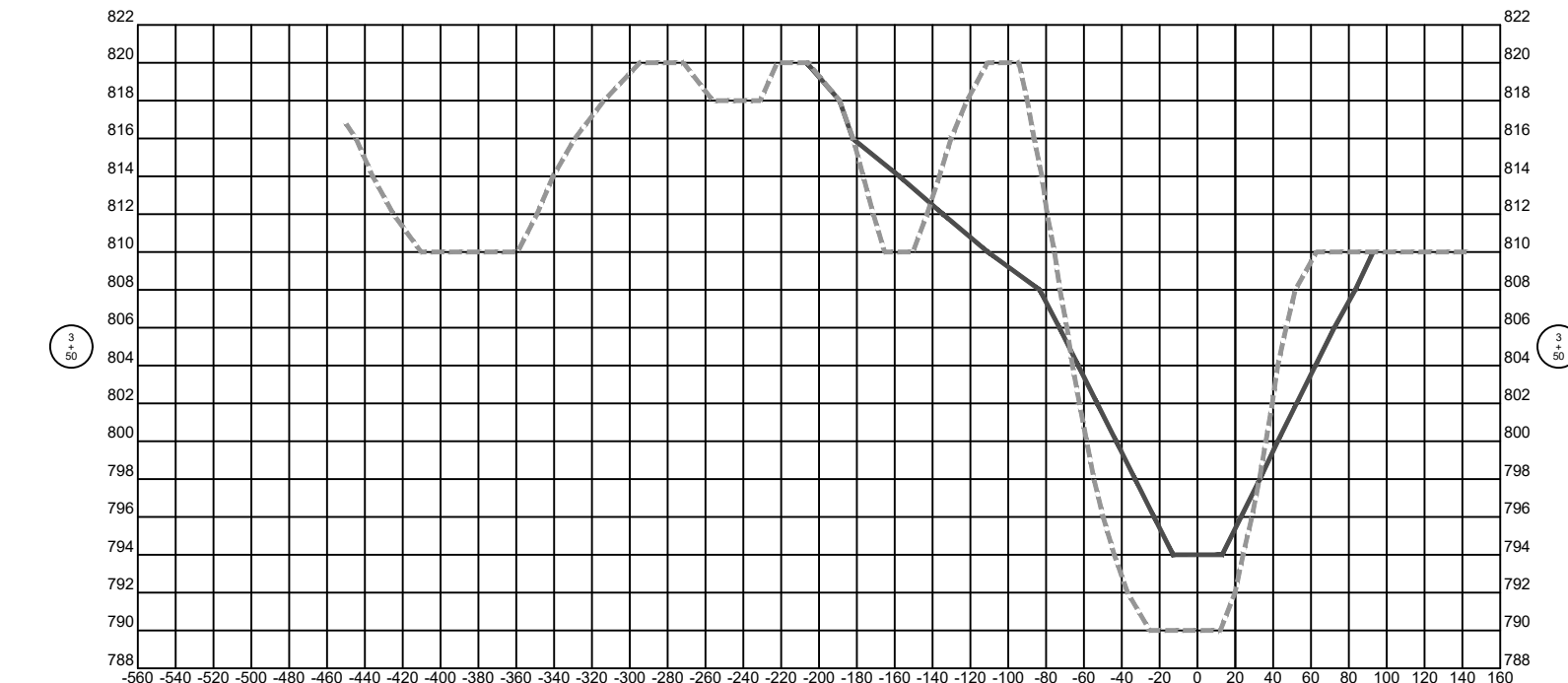
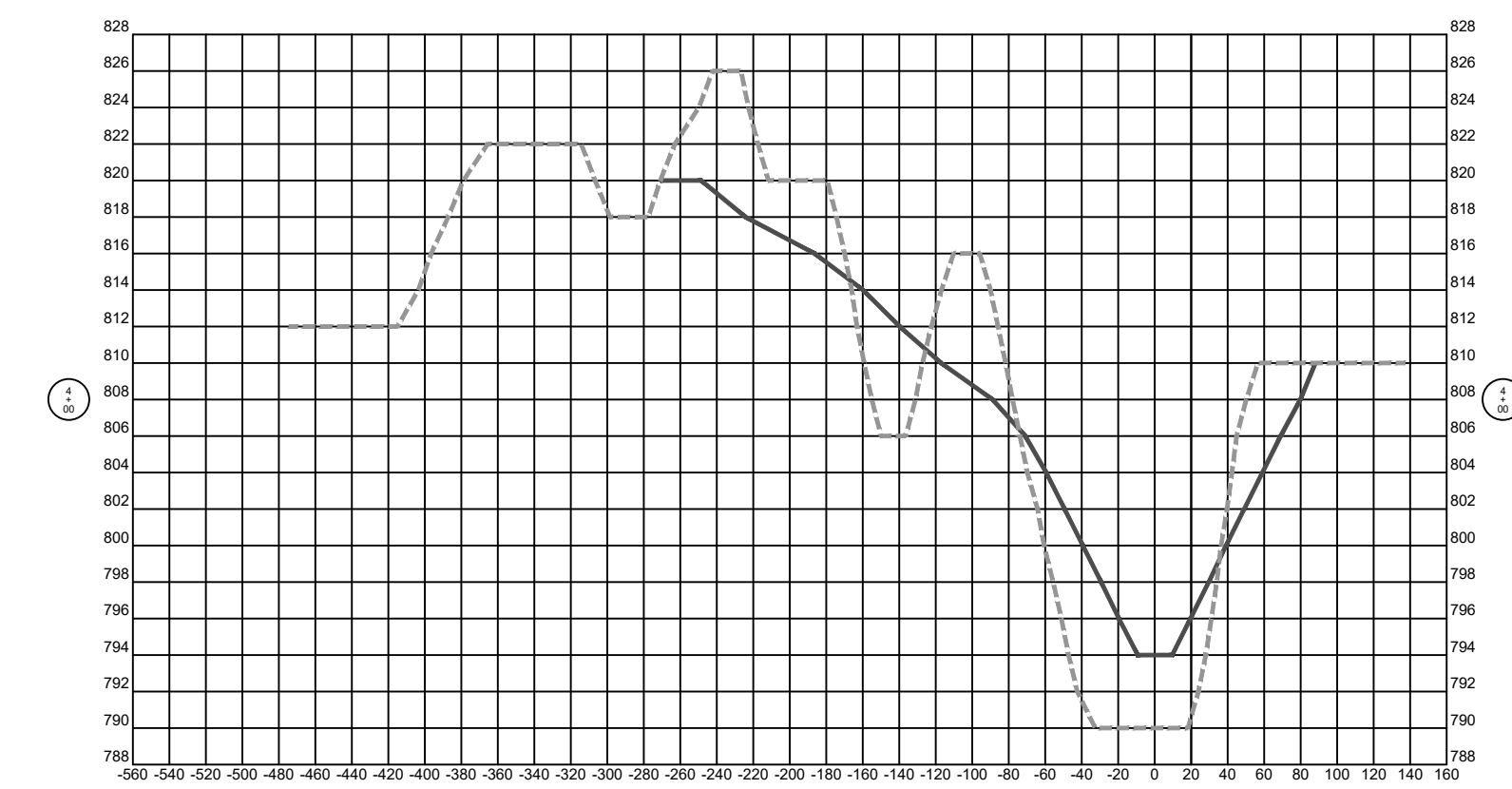
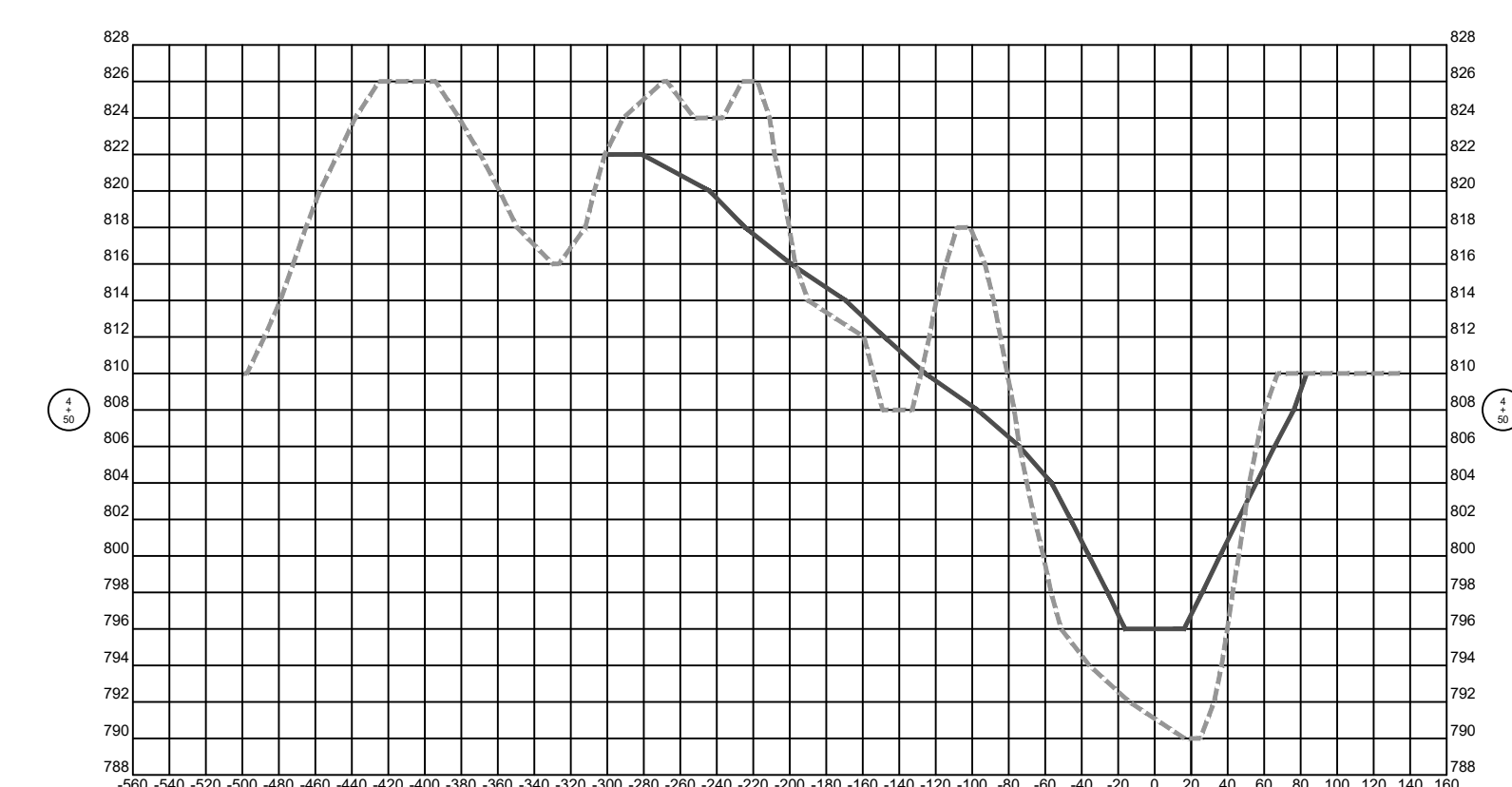
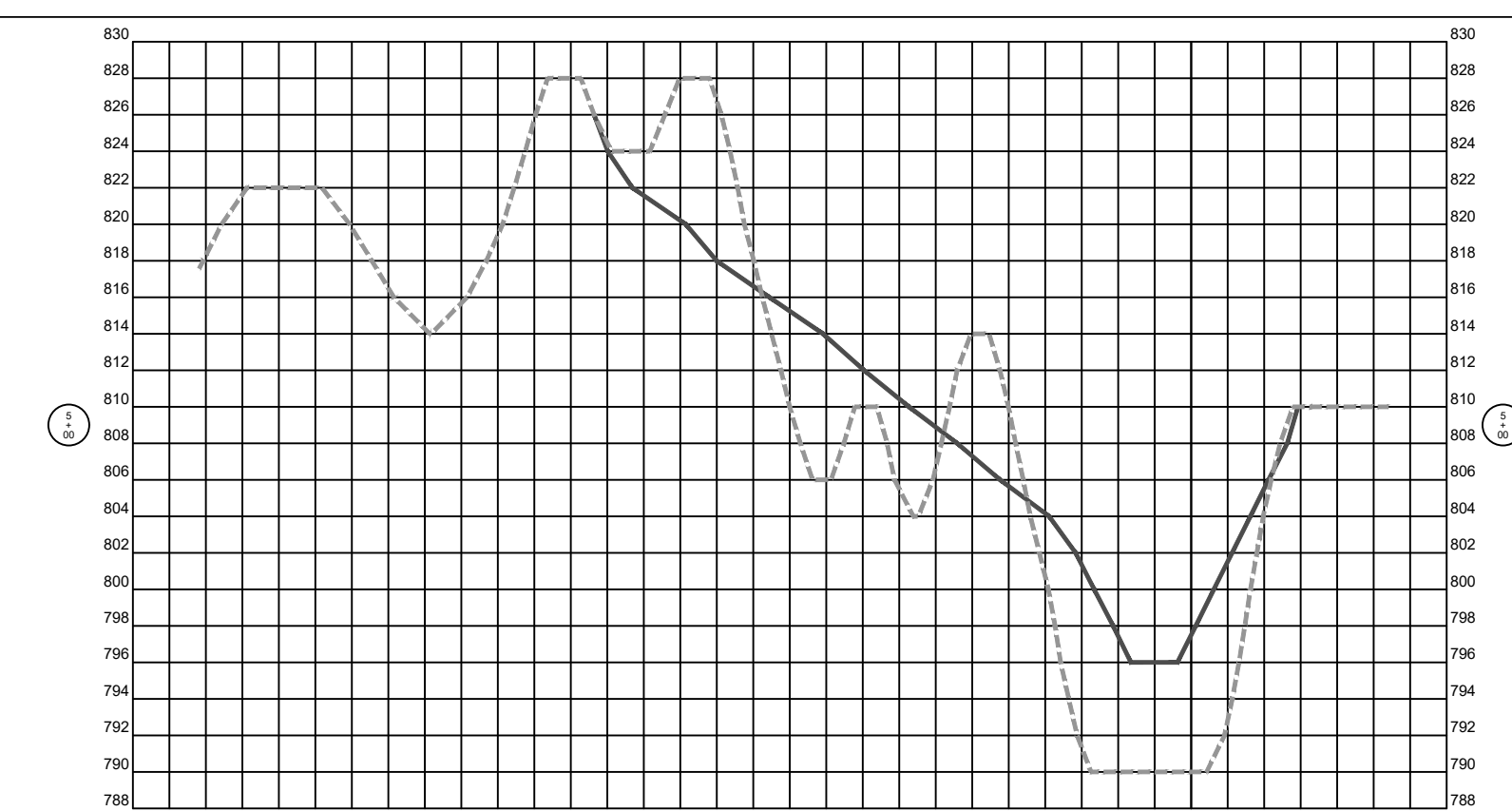
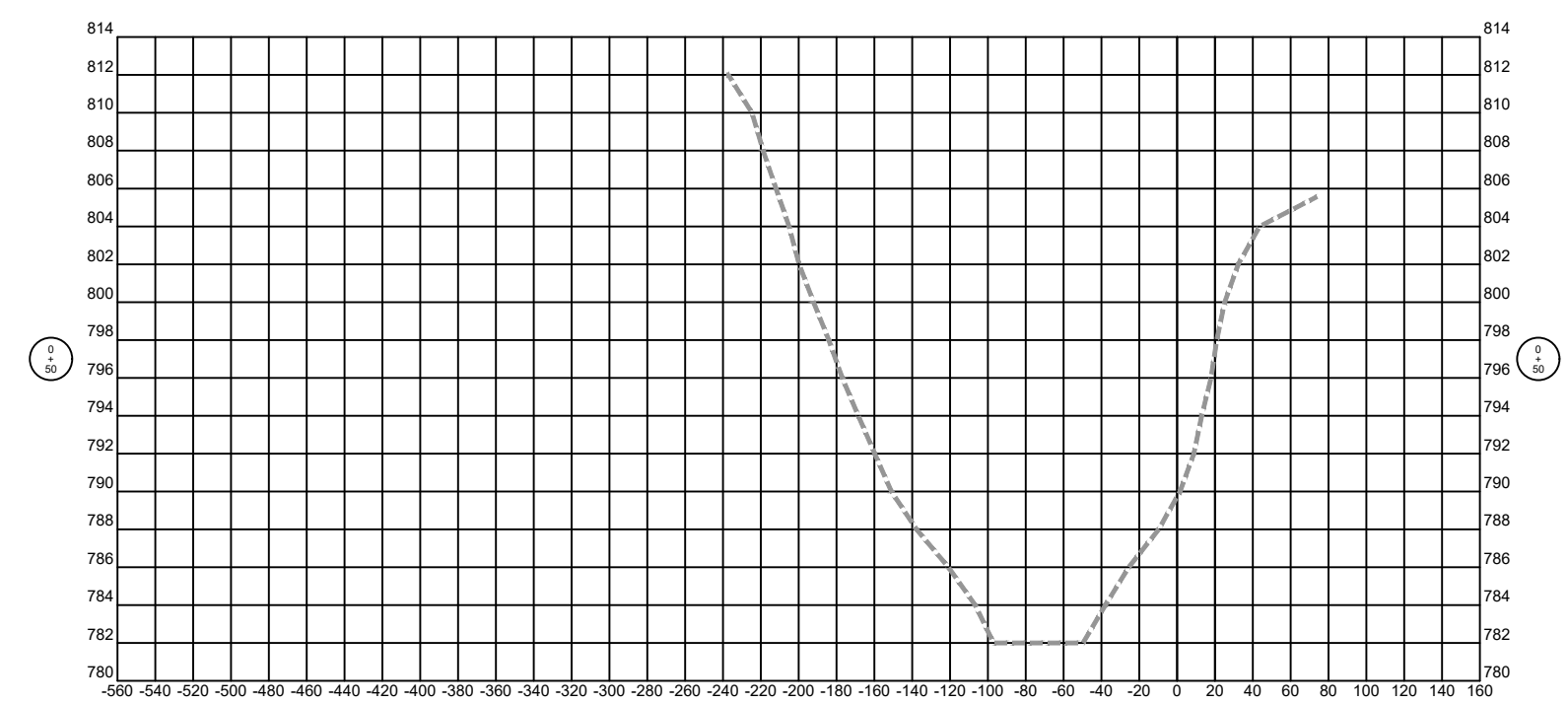
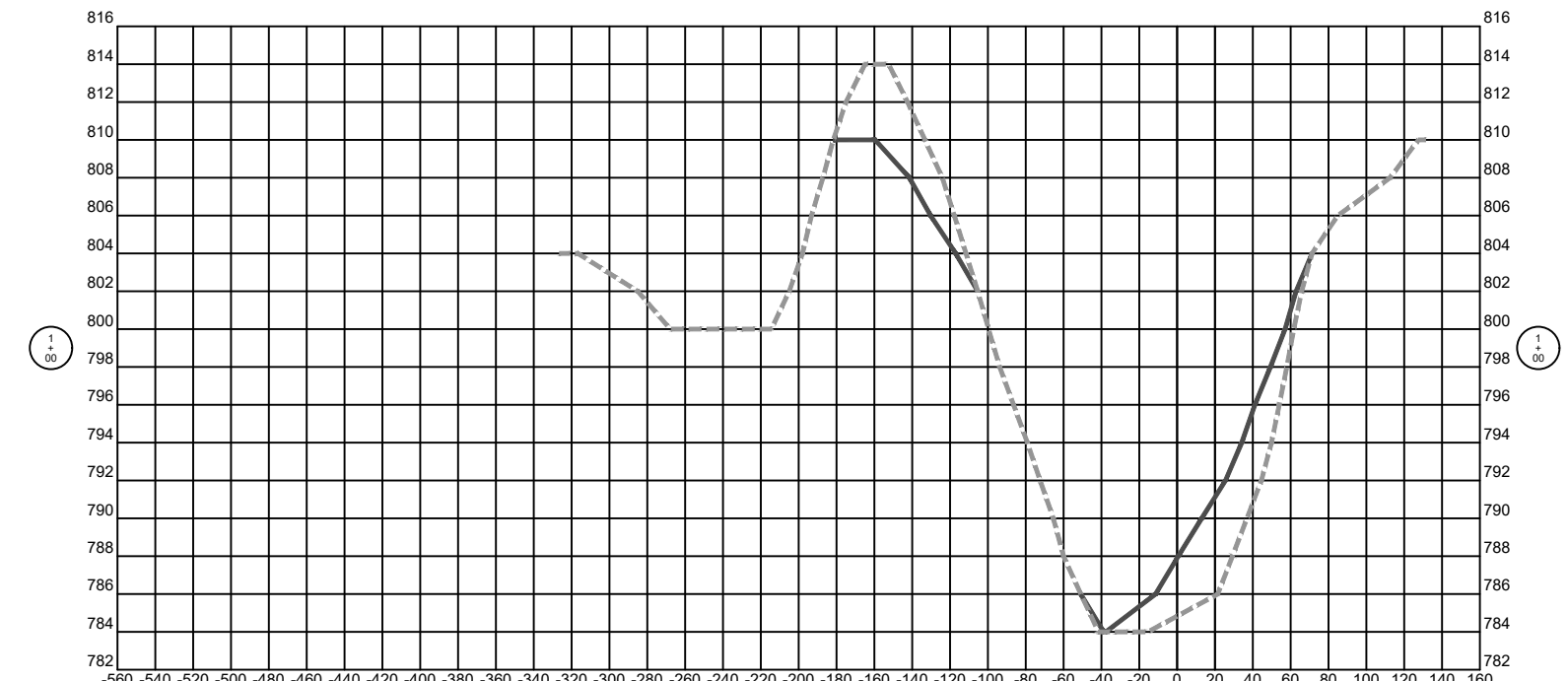
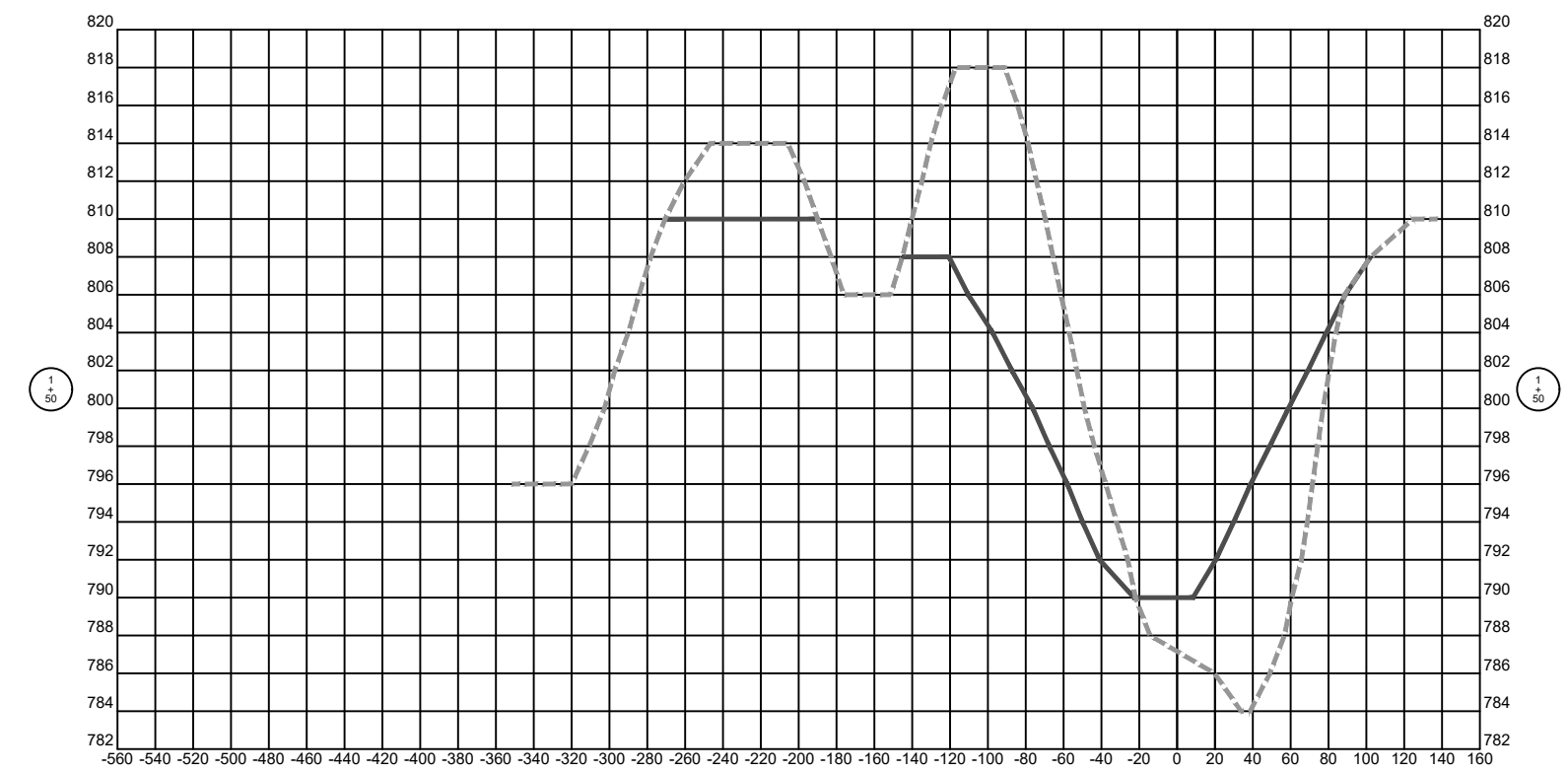
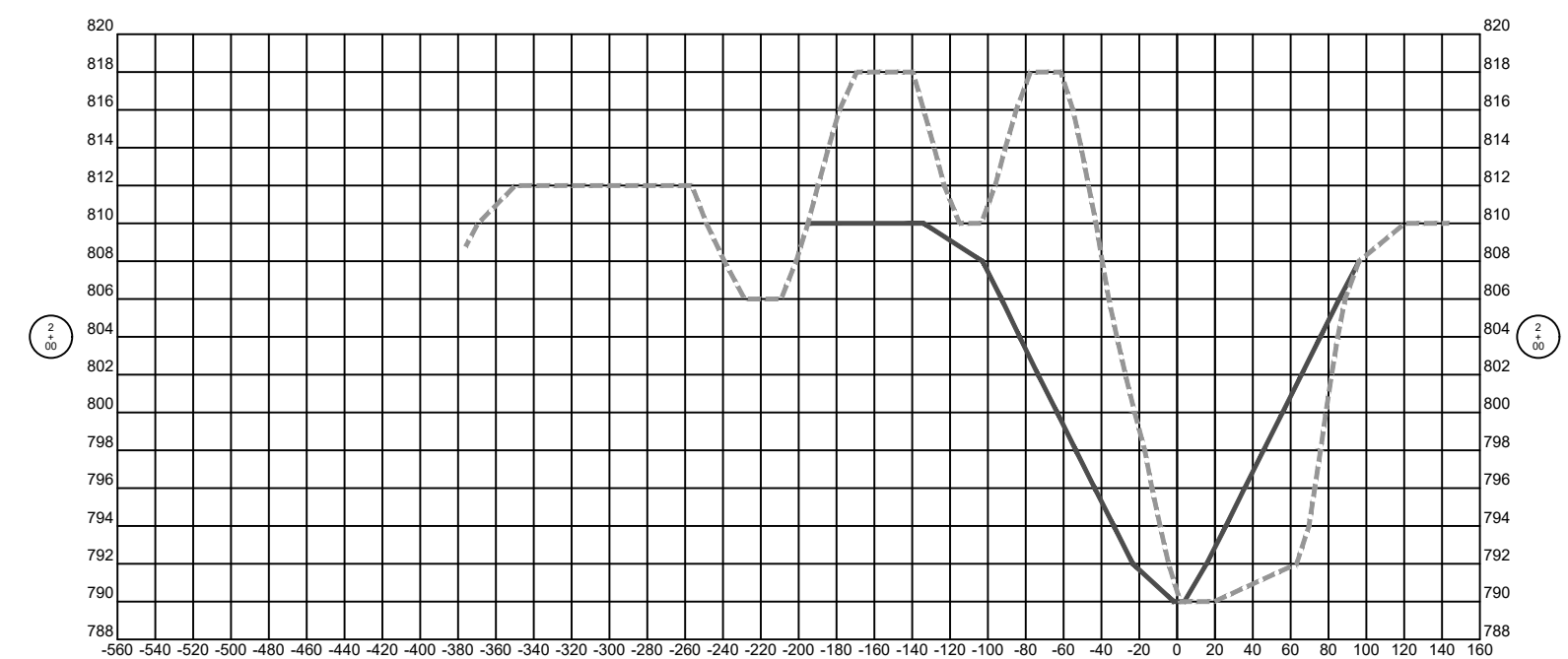
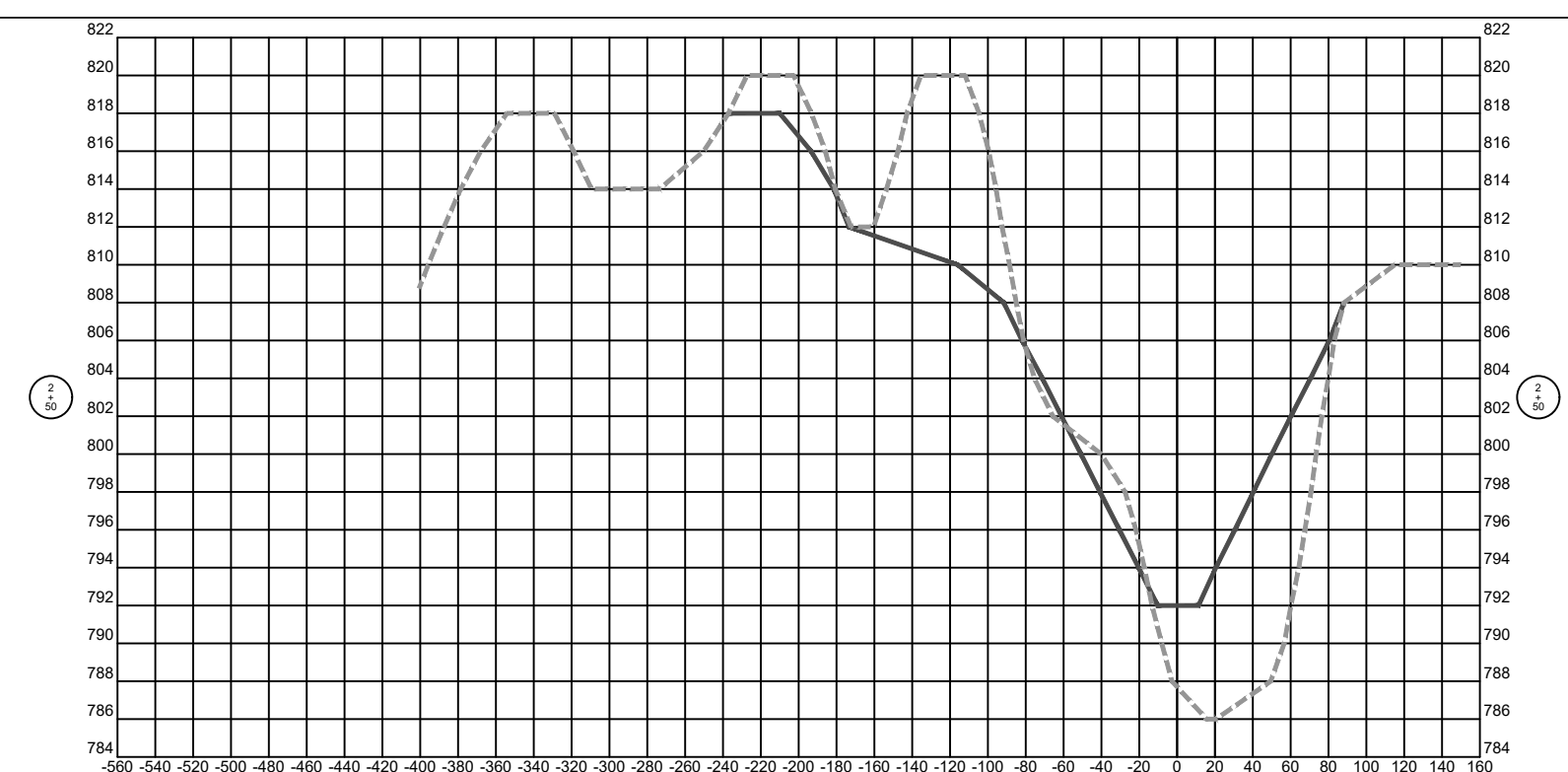
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DRAWN BY: JLM  
CHECKED BY: BEW  
DESIGNED BY: JLM

SHEET TITLE:  
**CROSS SECTIONS**  
BASELINE - 1 Sta 0+50 to Sta 7+50

SHEET NUMBER:

**C-103**

8 OF 11 SHEETS  
09/01/2023

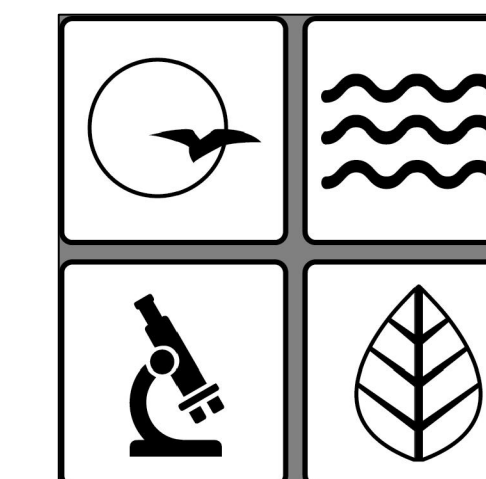
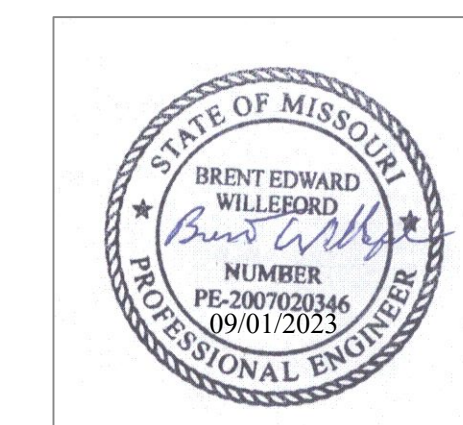


**Legend**

Existing Contour - - - - -  
Design Contour - - - - -

**Legend**





**MISSOURI**  
DEPARTMENT OF  
NATURAL  
RESOURCES

OFFICE OF ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT,  
DESIGN AND CONSTRUCTION

MO. DEPARTMENT OF  
NATURAL RESOURCES  
LAND RECLAMATION  
PROGRAM

Two Rocks Reclamation Project

FACILITY: NOT APPLICABLE

Henry County, Missouri

PROJECT # Y2302-01  
SITE # N/A  
FACILITY # N/A

REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
ISSUE DATE: 09/01/2023

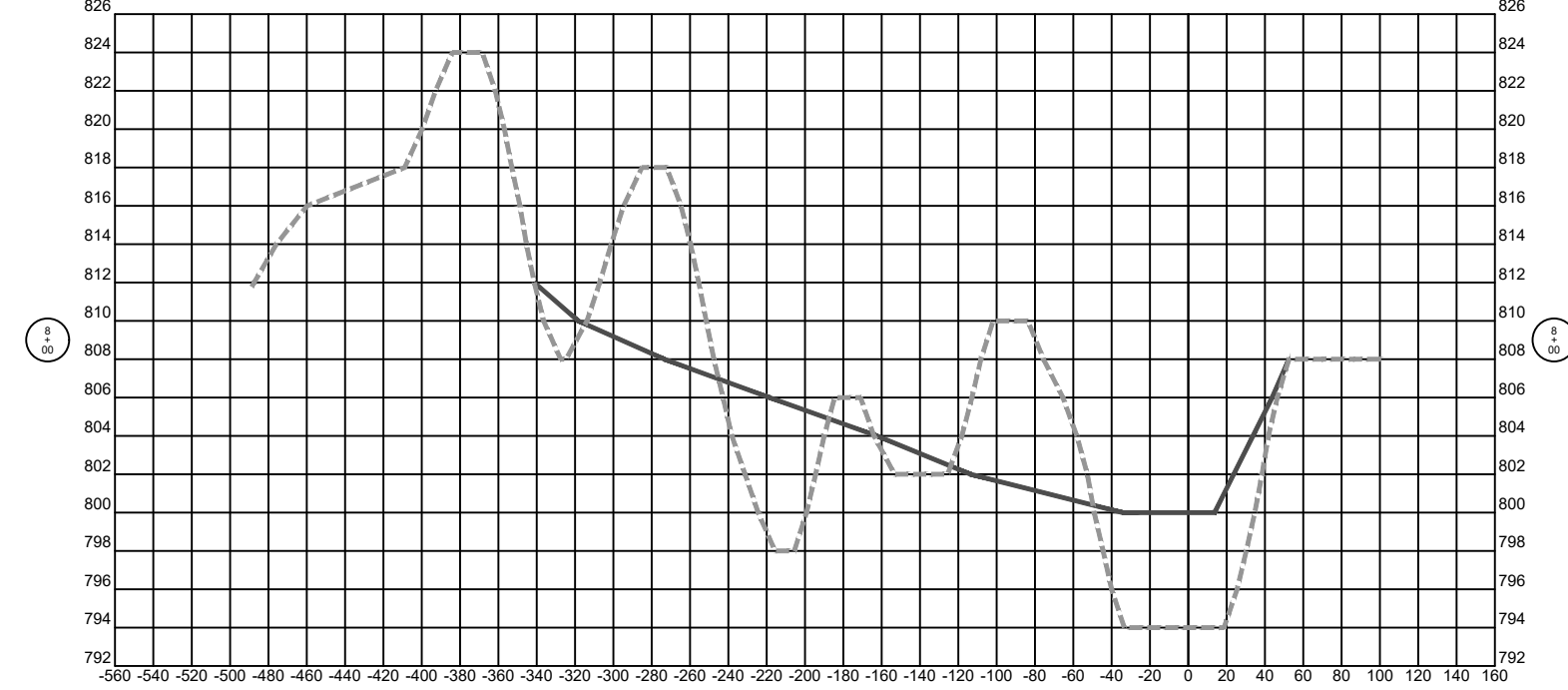
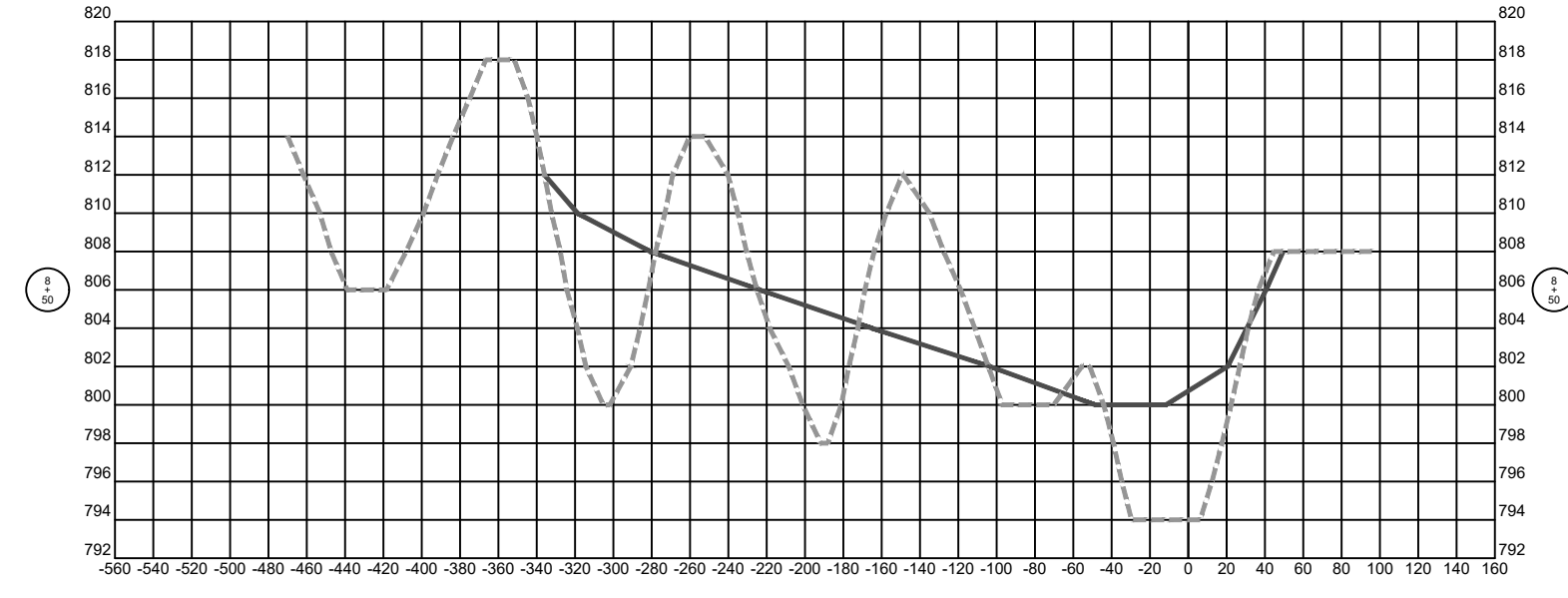
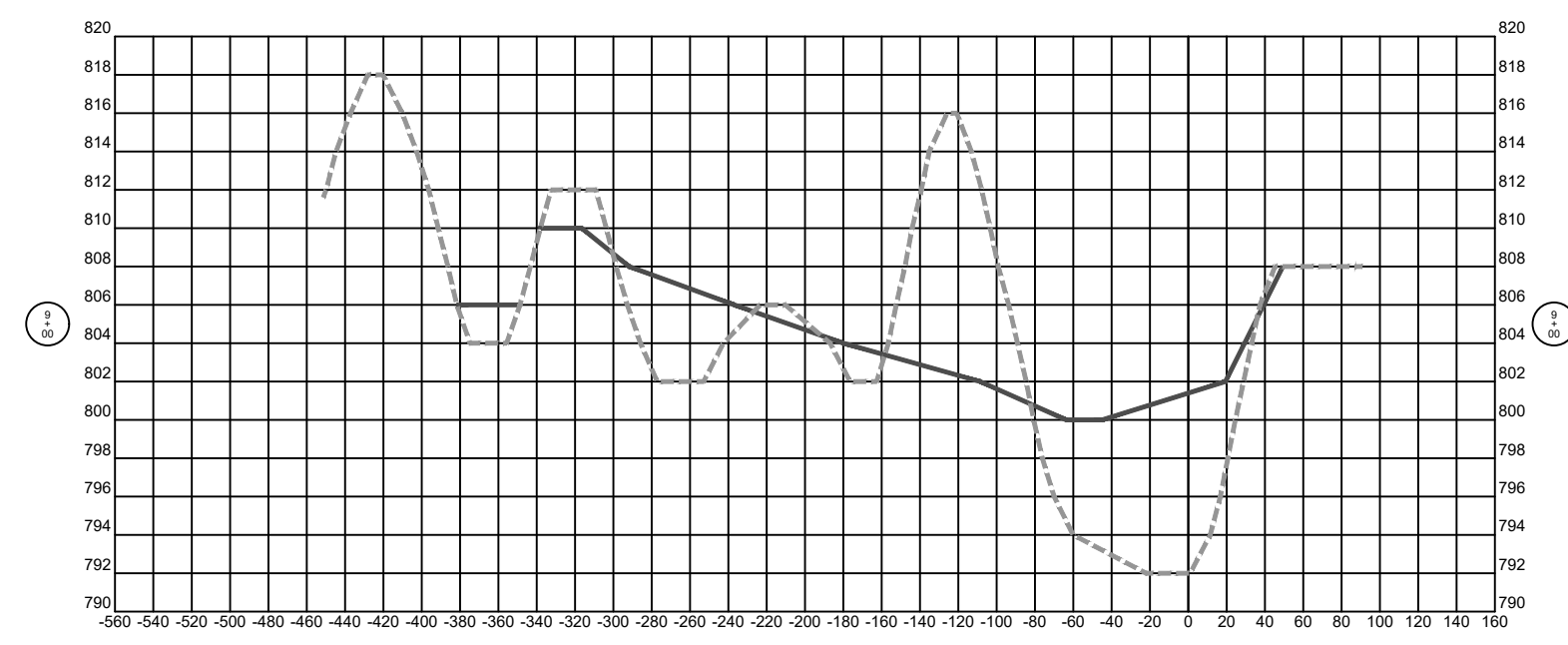
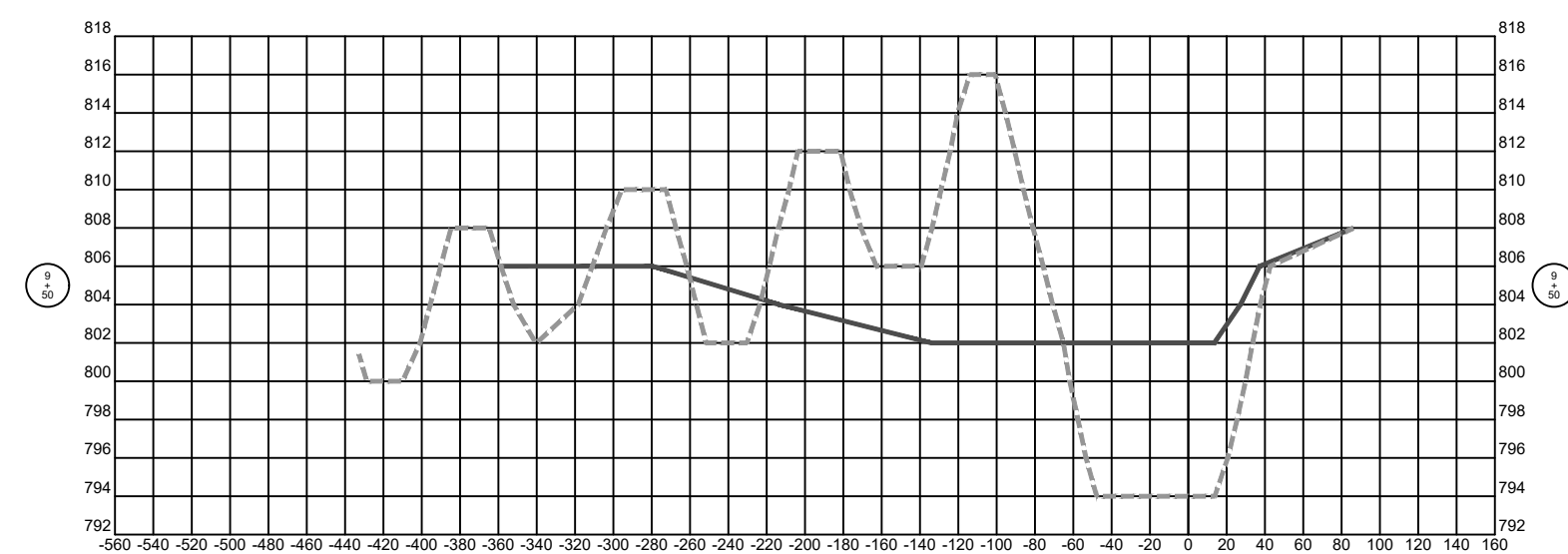
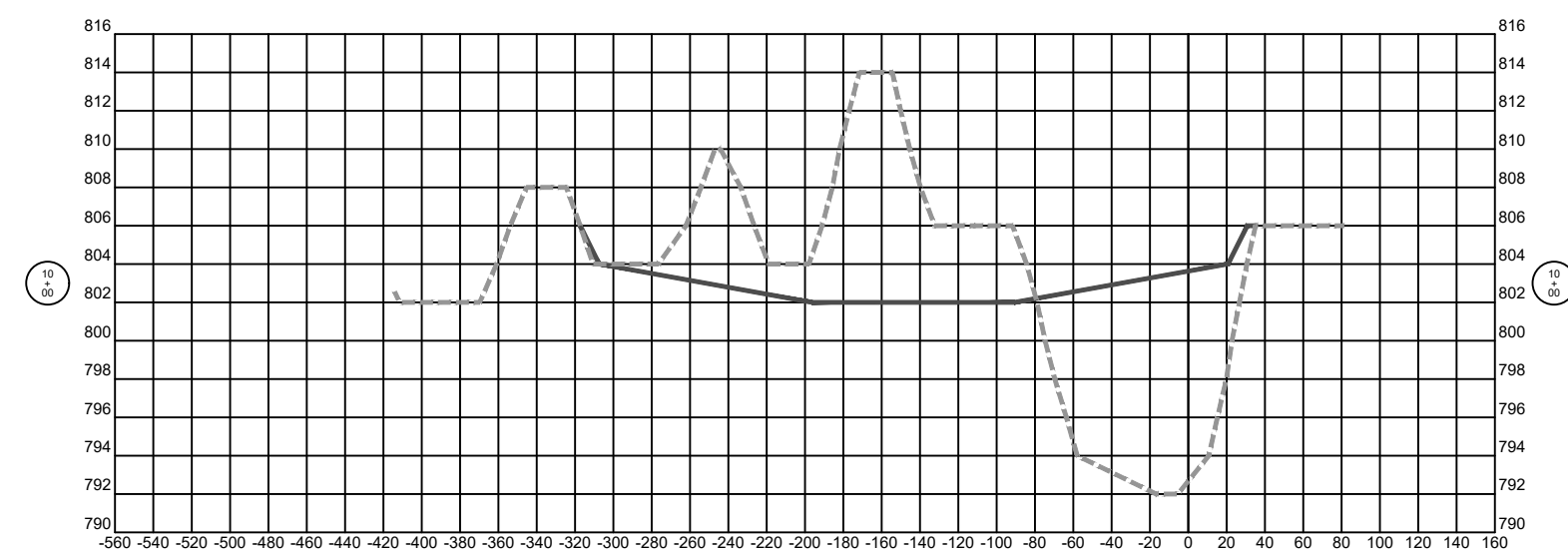
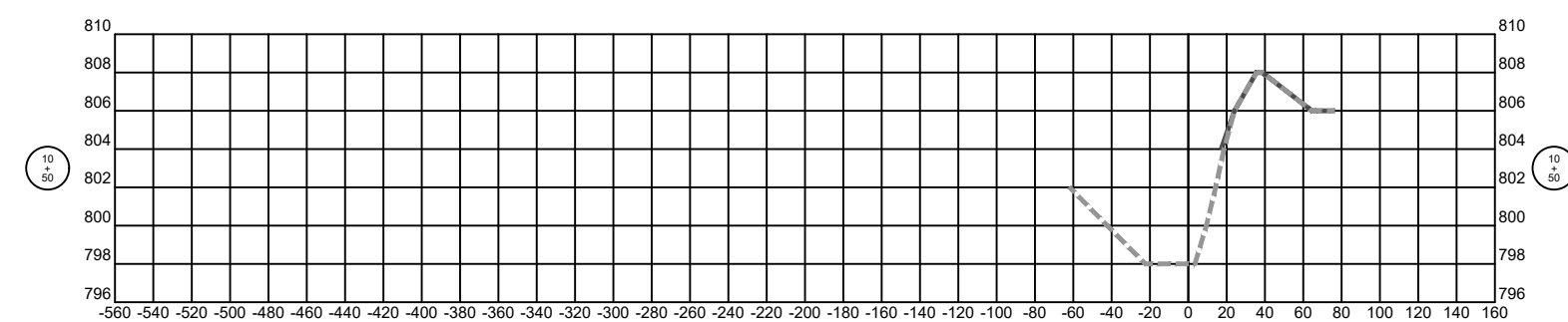
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DRAWN BY: JLM  
CHECKED BY: BEW  
DESIGNED BY: JLM

SHEET TITLE:  
**CROSS SECTIONS**  
BASELINE - 1 Sta 8+00 to Sta 11+00  
BASELINE - 2 Sta 0+50 to Sta 5+00  
BASELINE - 3 Sta 0+50 to Sta 3+50

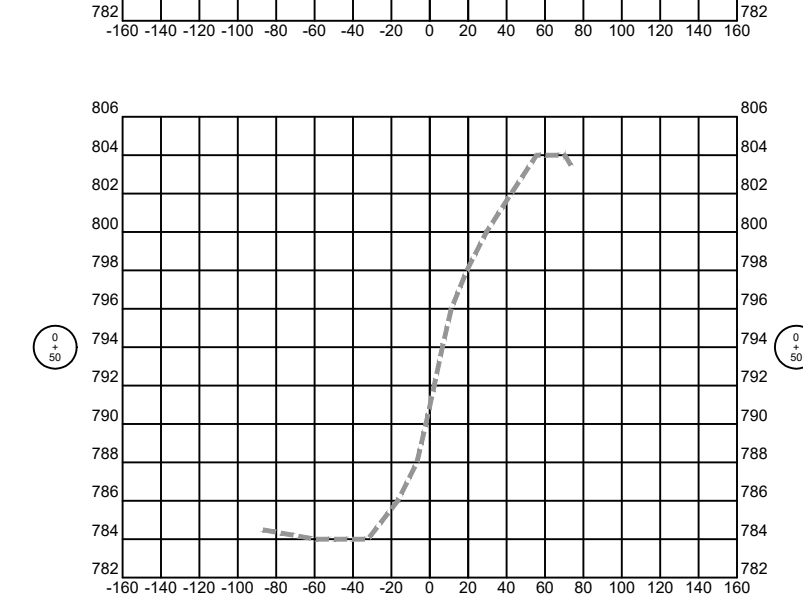
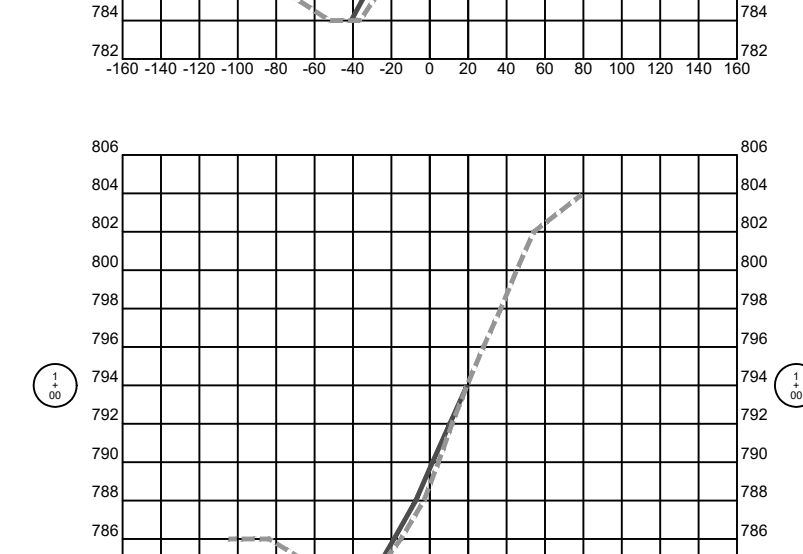
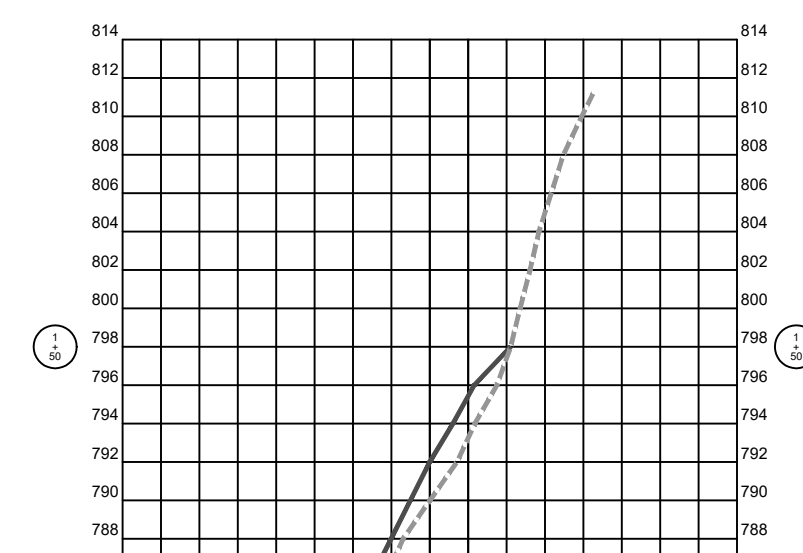
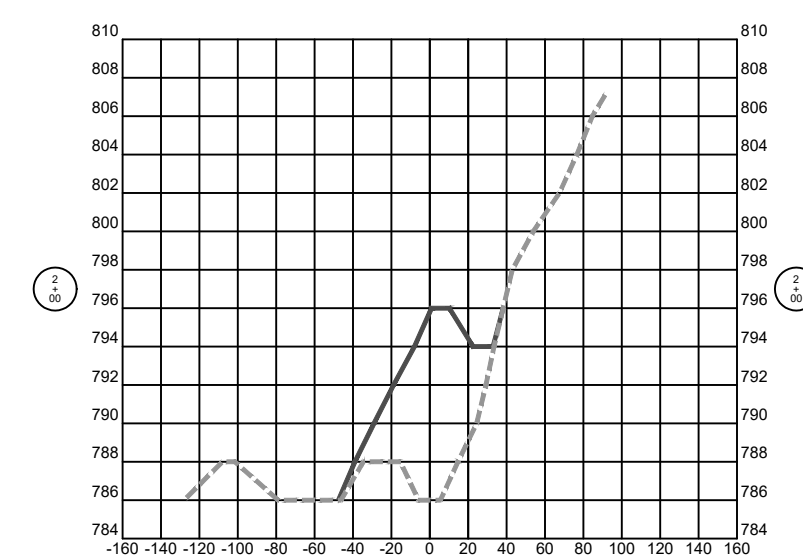
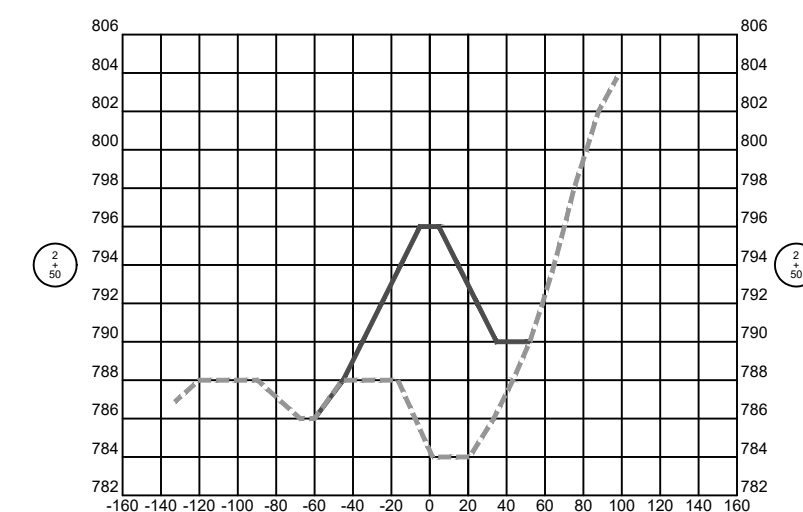
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**C-104**

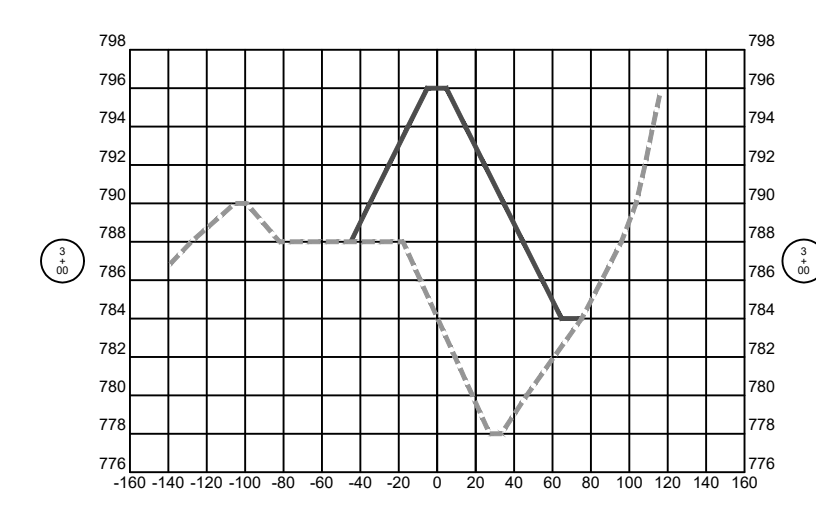
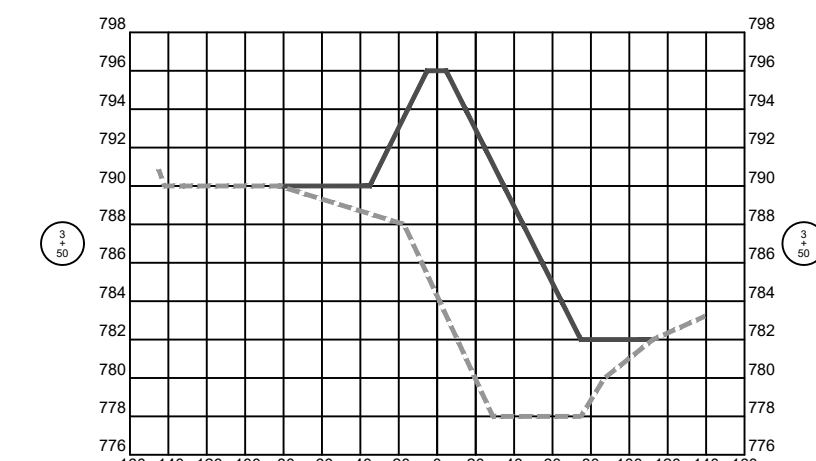
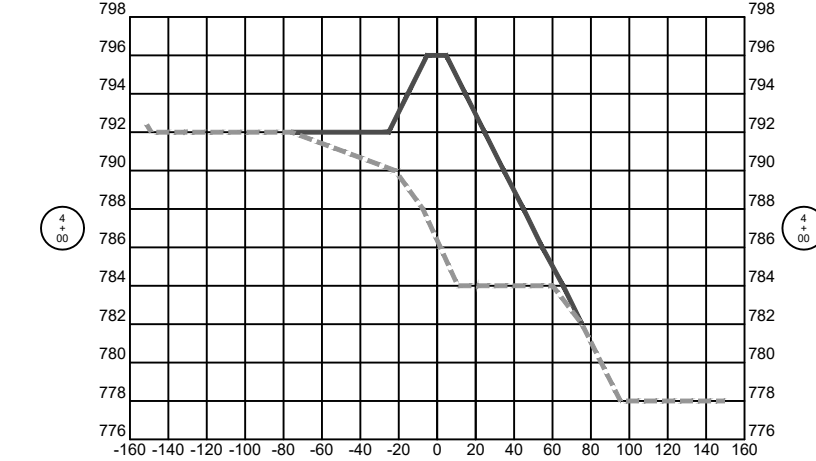
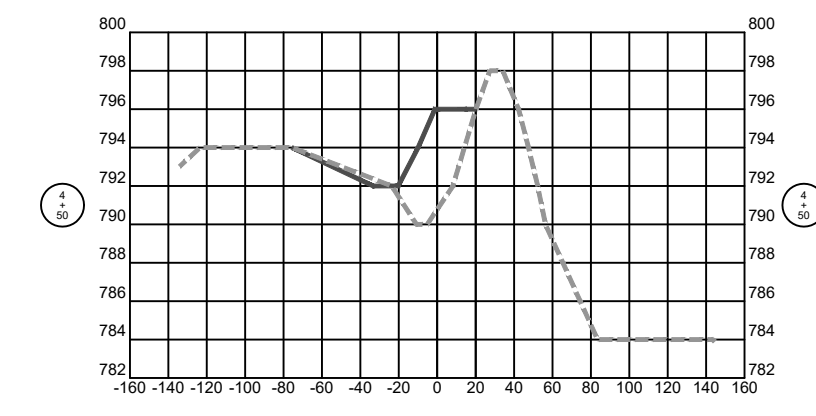
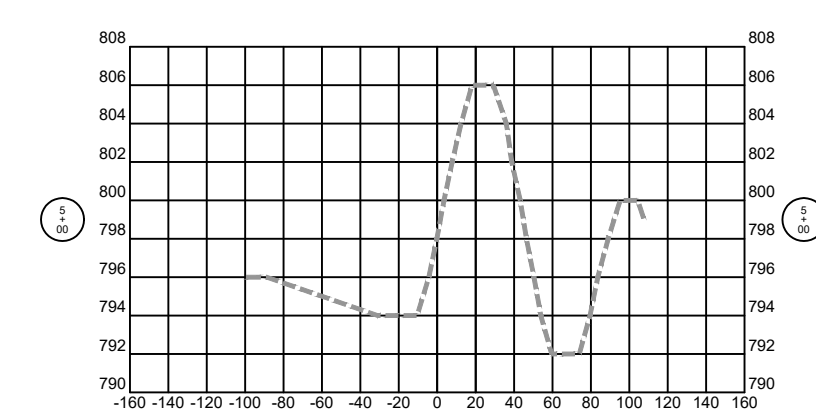
9 OF 11 SHEETS  
09/01/2023



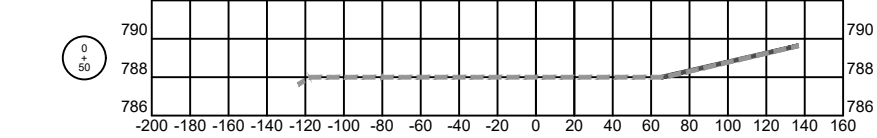
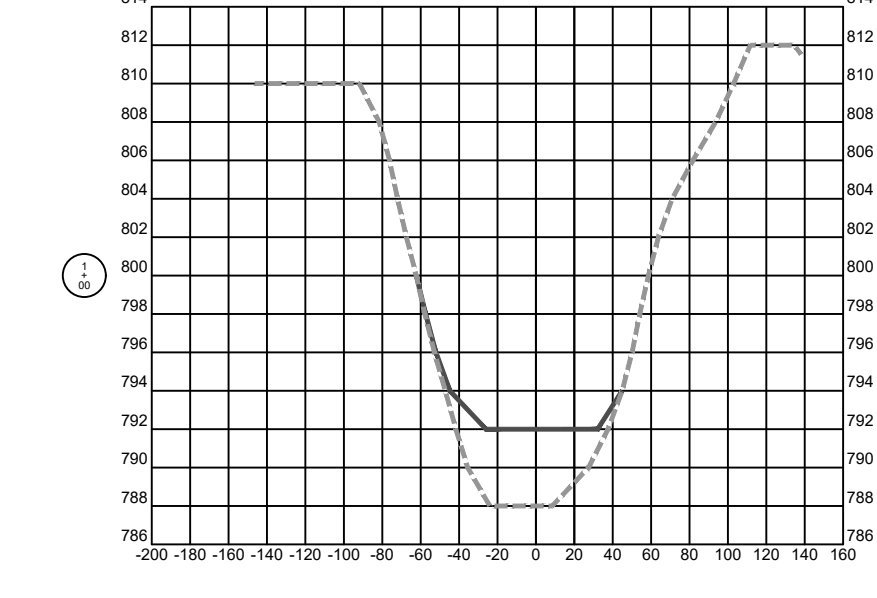
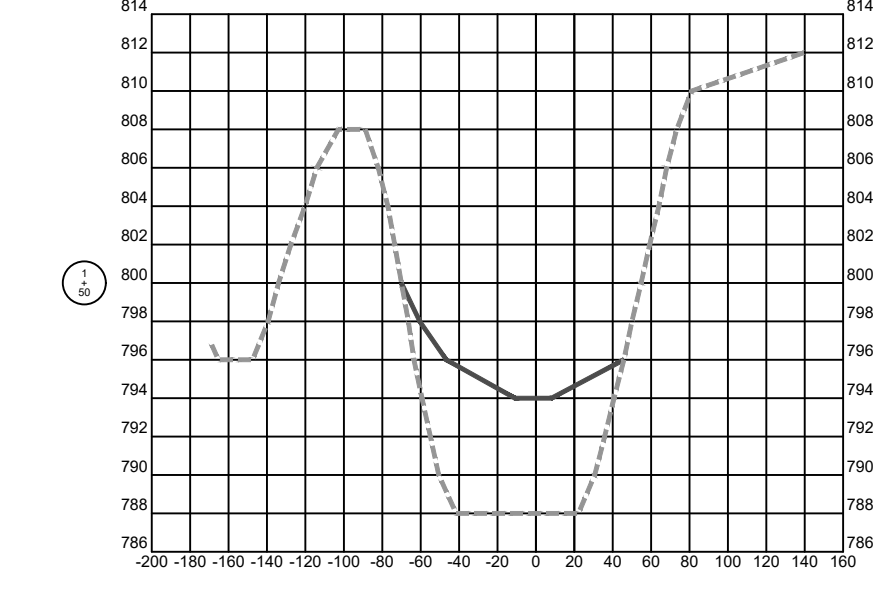
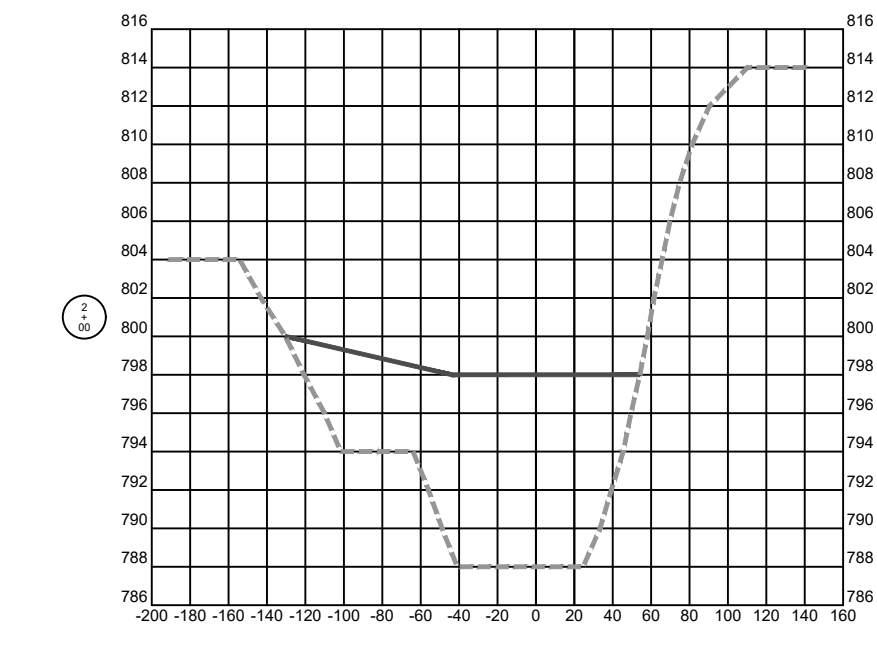
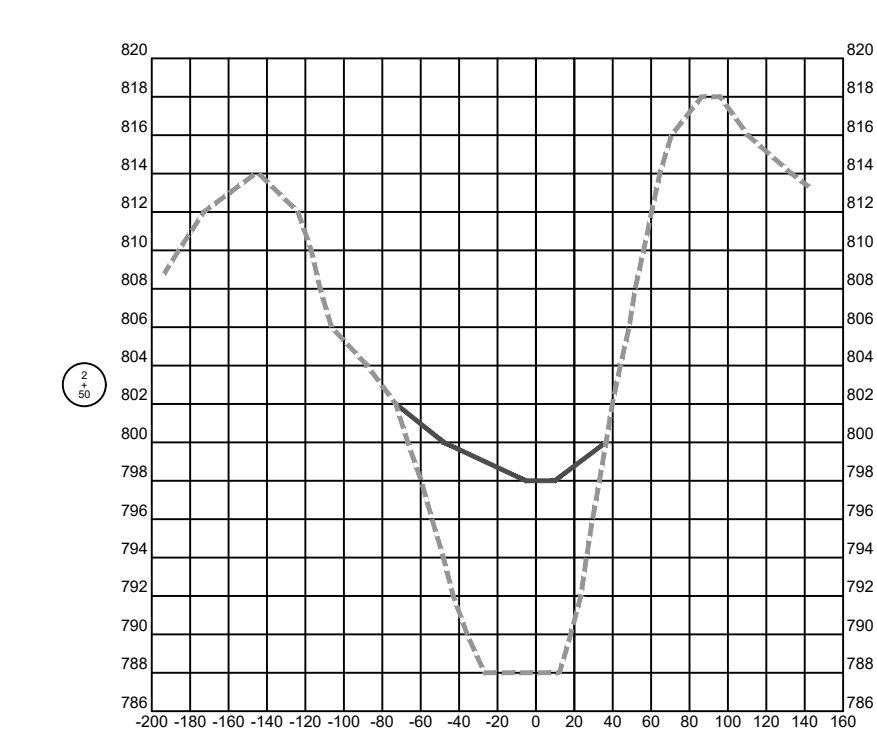
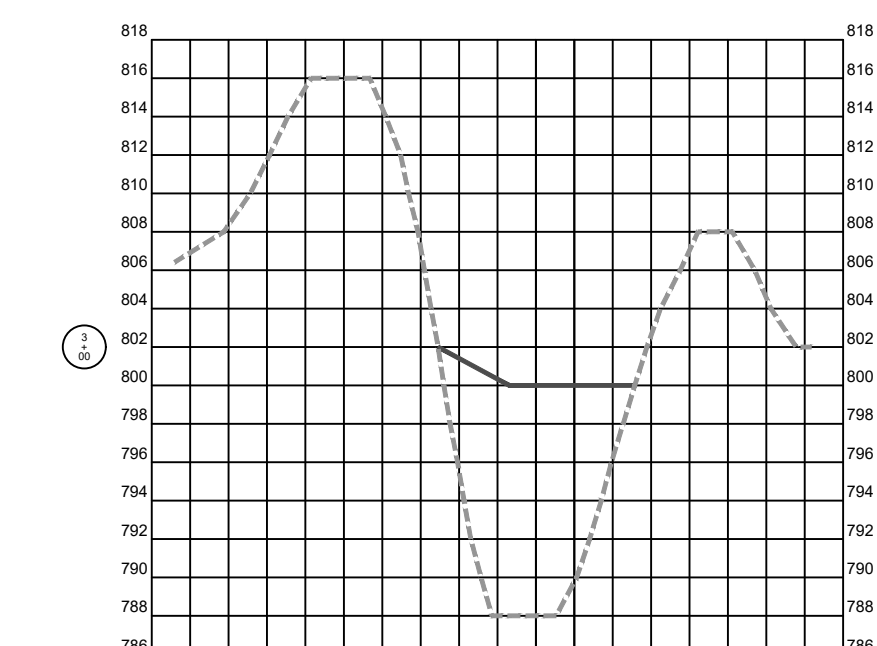
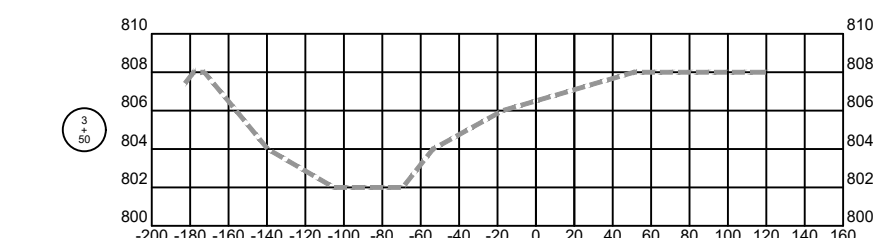
Baseline-1



Baseline-2



Baseline-2

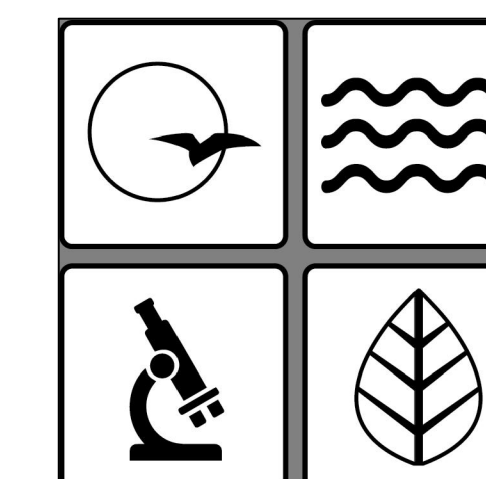
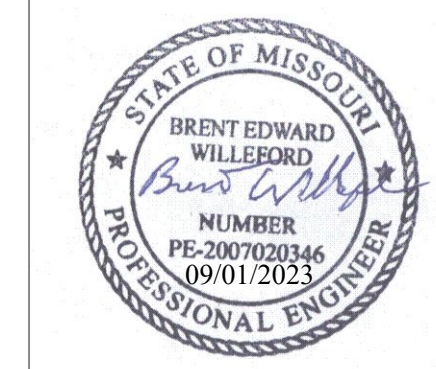


Baseline-3

**Legend**

Existing Contour - - - - -  
Design Contour - - - - -

**Legend**



**MISSOURI**  
DEPARTMENT OF  
NATURAL  
RESOURCES

OFFICE OF ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT,  
DESIGN AND CONSTRUCTION

MO. DEPARTMENT OF  
NATURAL RESOURCES  
LAND RECLAMATION  
PROGRAM

Two Rocks Reclamation Project

FACILITY: NOT APPLICABLE

Henry County, Missouri

PROJECT # Y2302-01  
SITE # N/A  
FACILITY # N/A

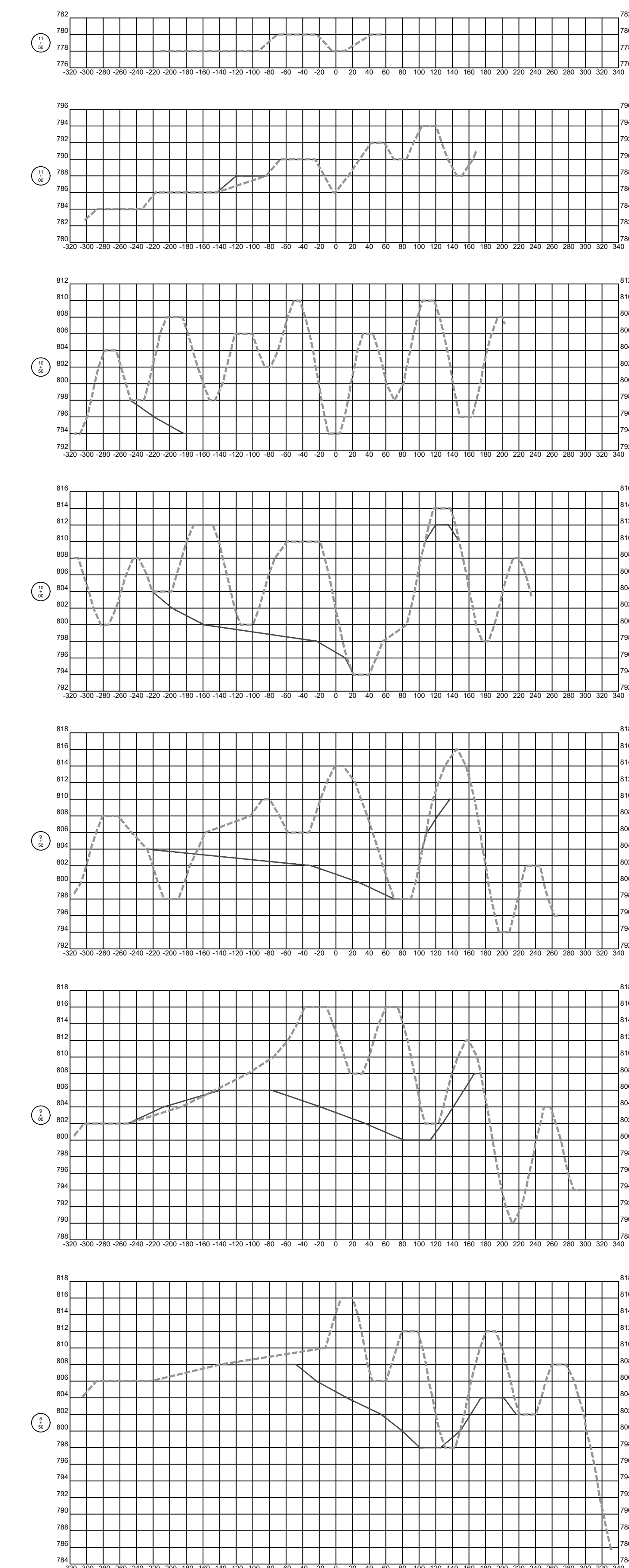
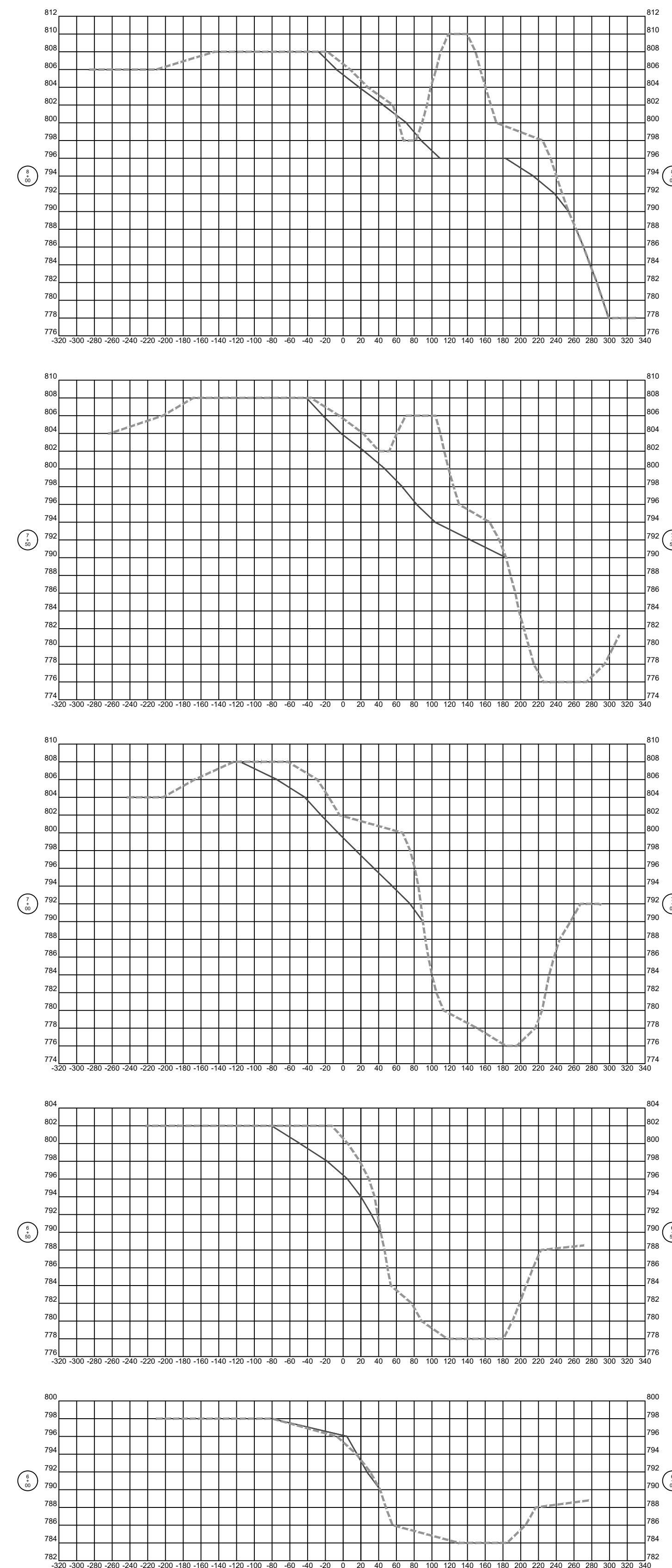
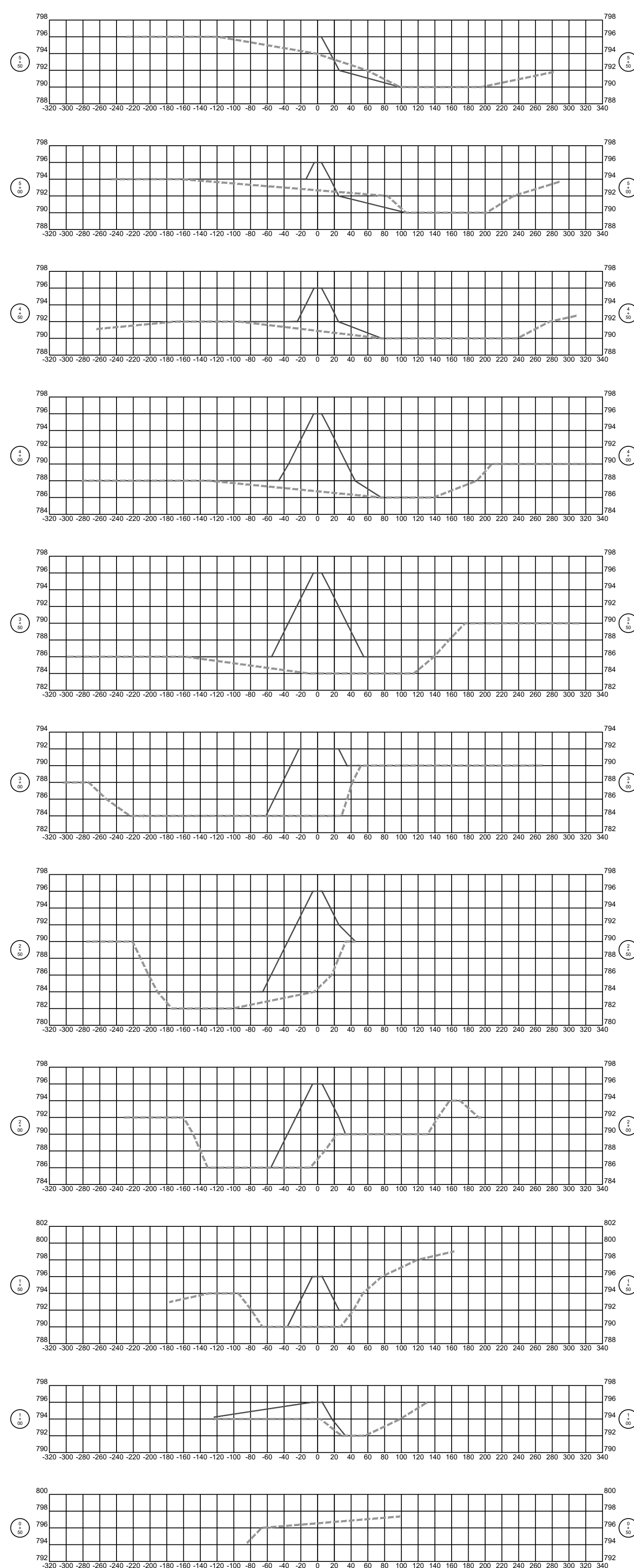
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
ISSUE DATE: 09/01/2023

CAD DWG FILE: \_\_\_\_\_  
DRAWN BY: JLM  
CHECKED BY: BEW  
DESIGNED BY: JLM

SHEET TITLE:  
**CROSS SECTIONS**  
BASELINE - 4 Sta 0+50 to Sta 11+50

SHEET NUMBER:

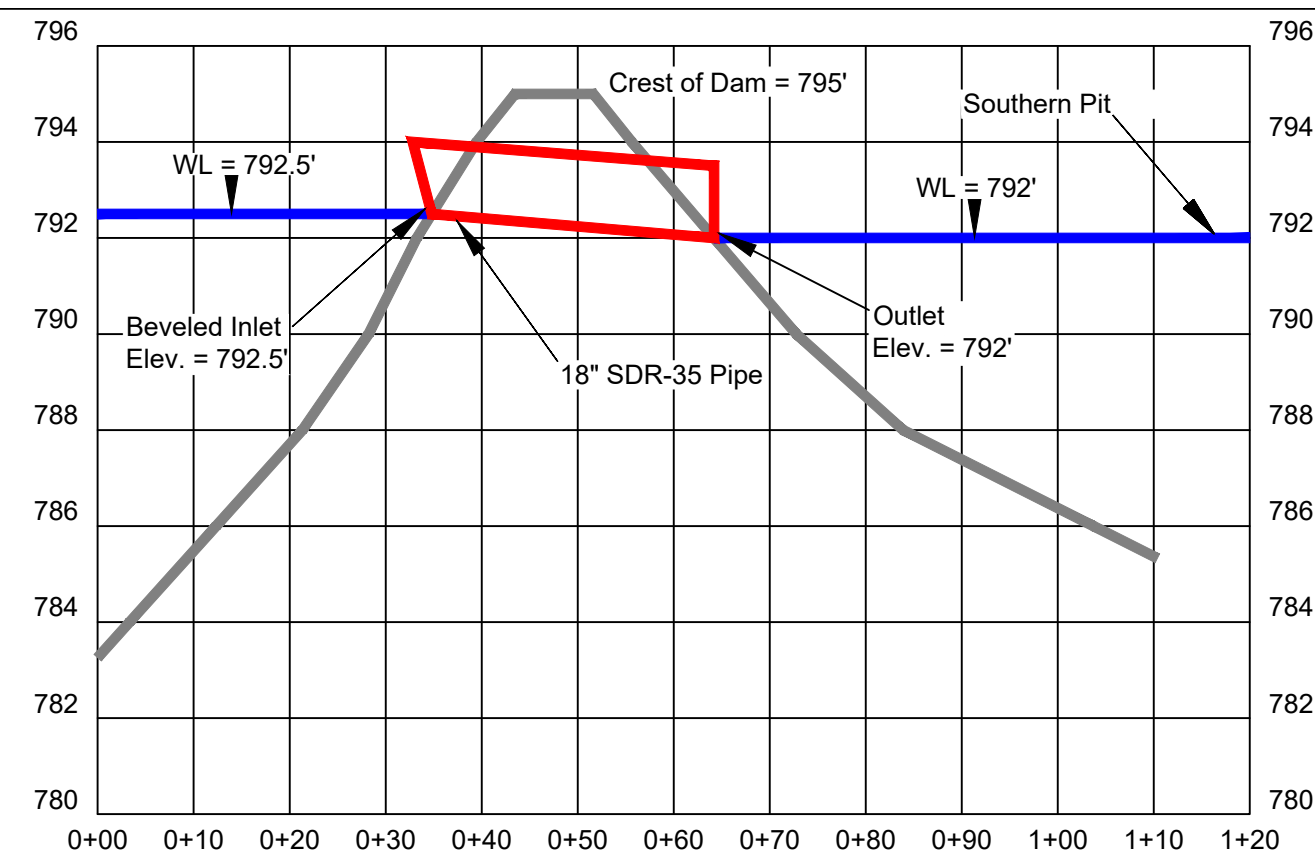
**C-105**  
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09/01/2023



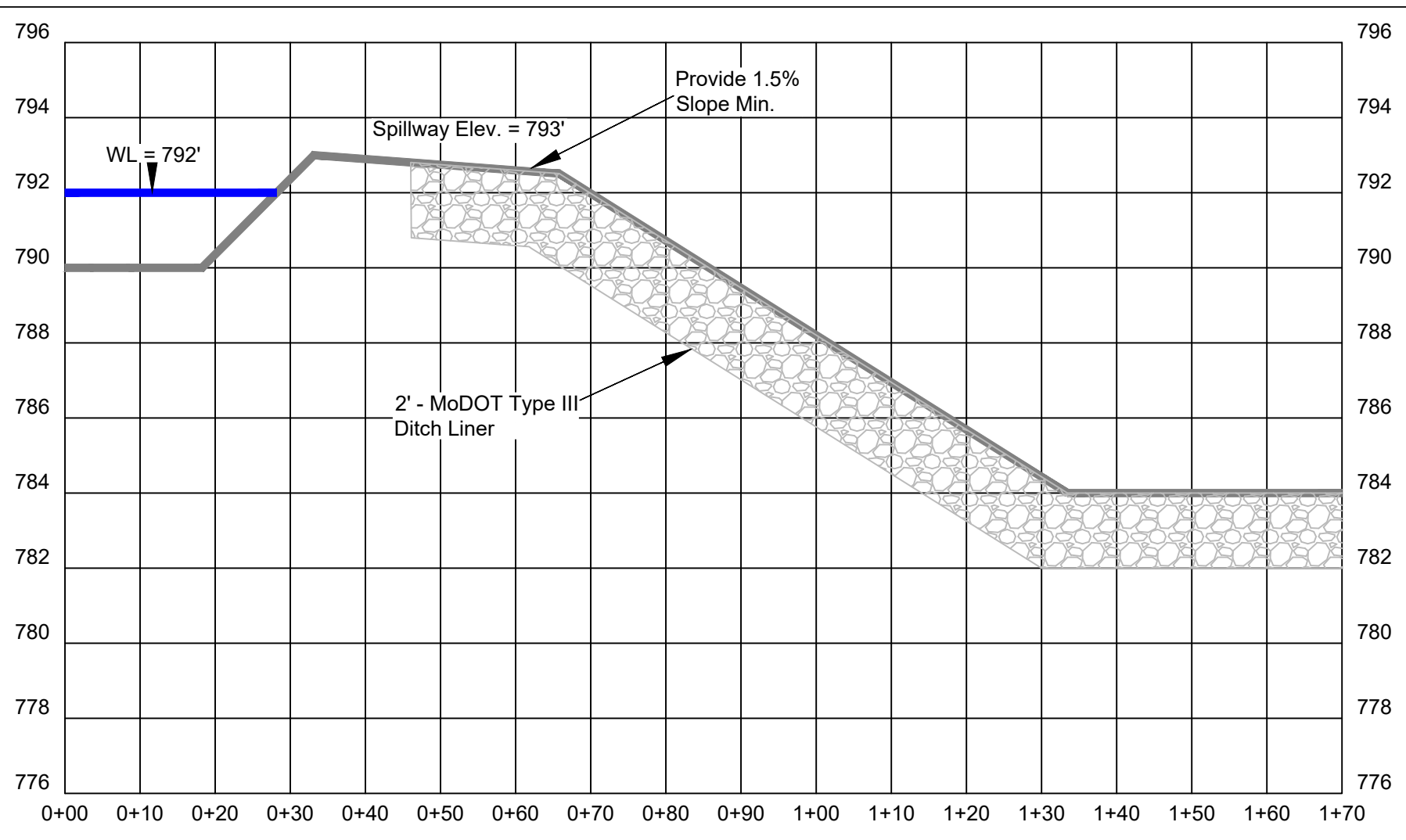
**Legend**

Existing Contour	-----
Design Contour	—————

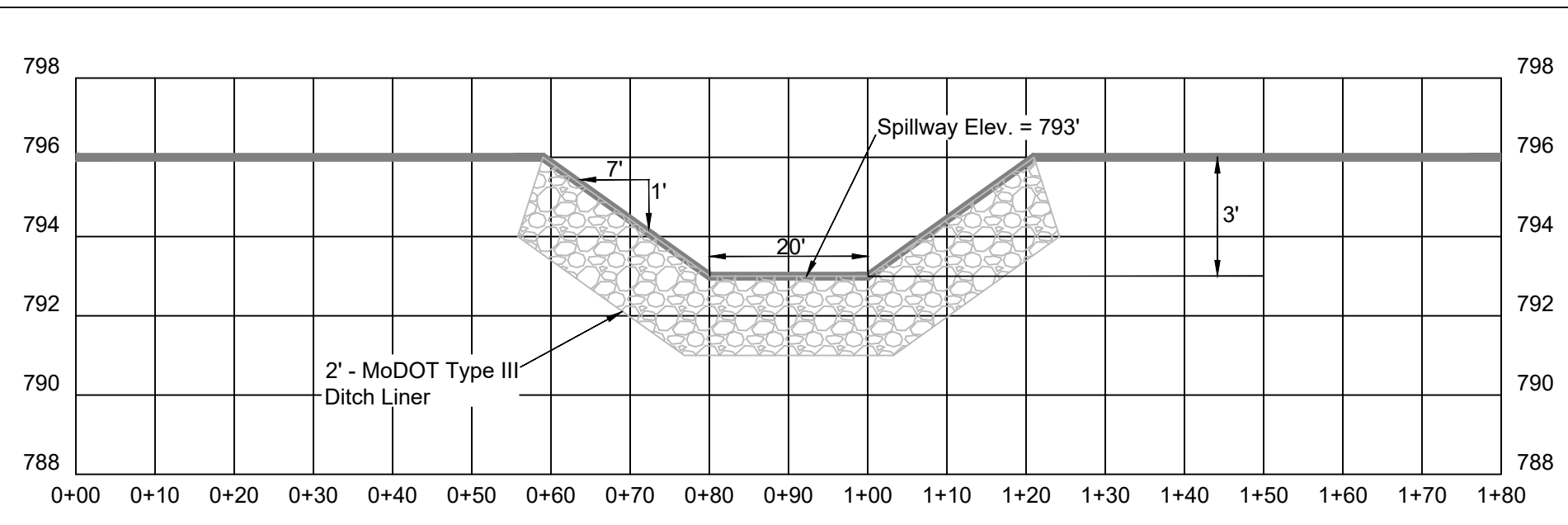
**Legend**



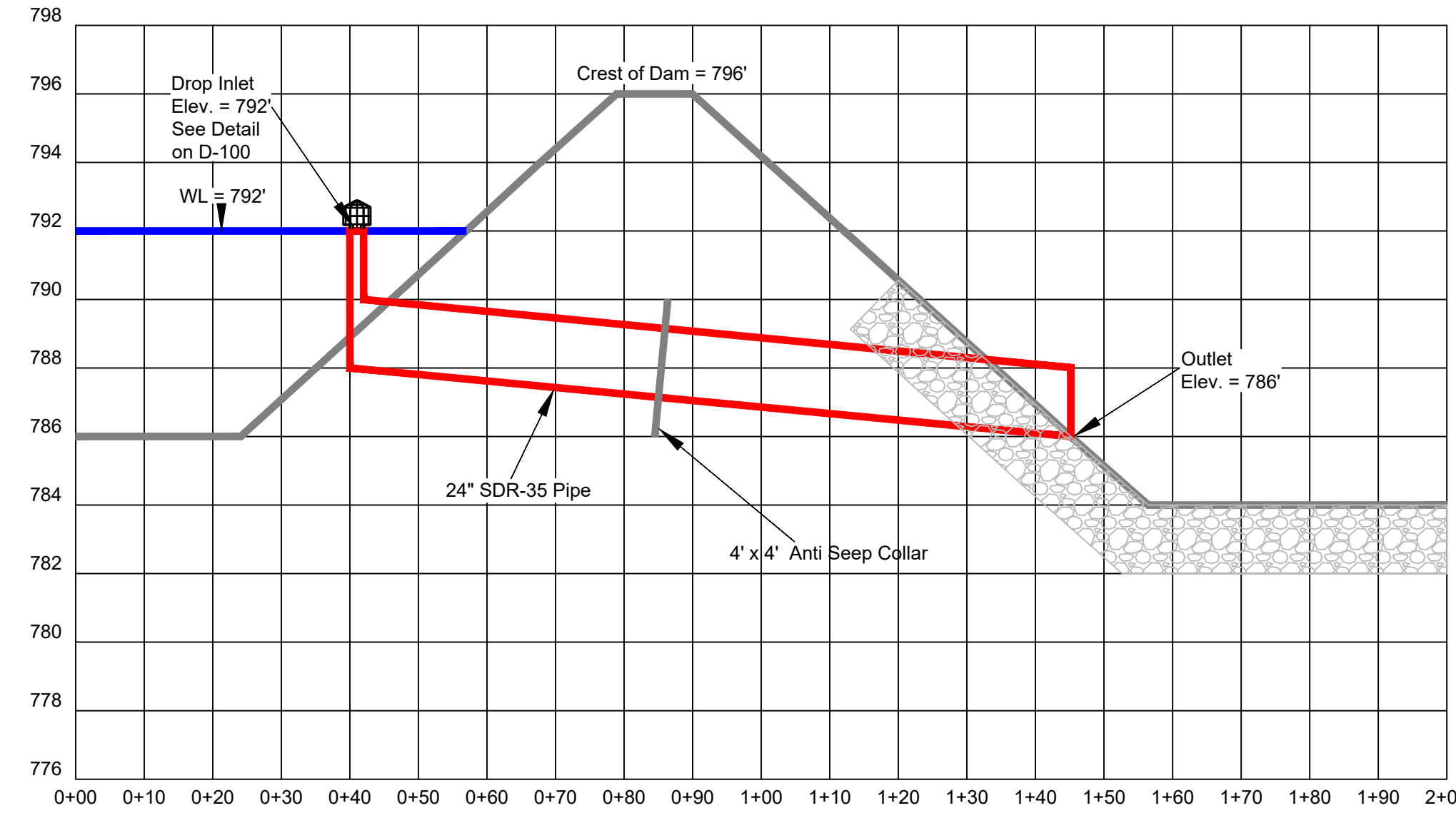
Area 5 - (2) 18" SDR-35 Pipes



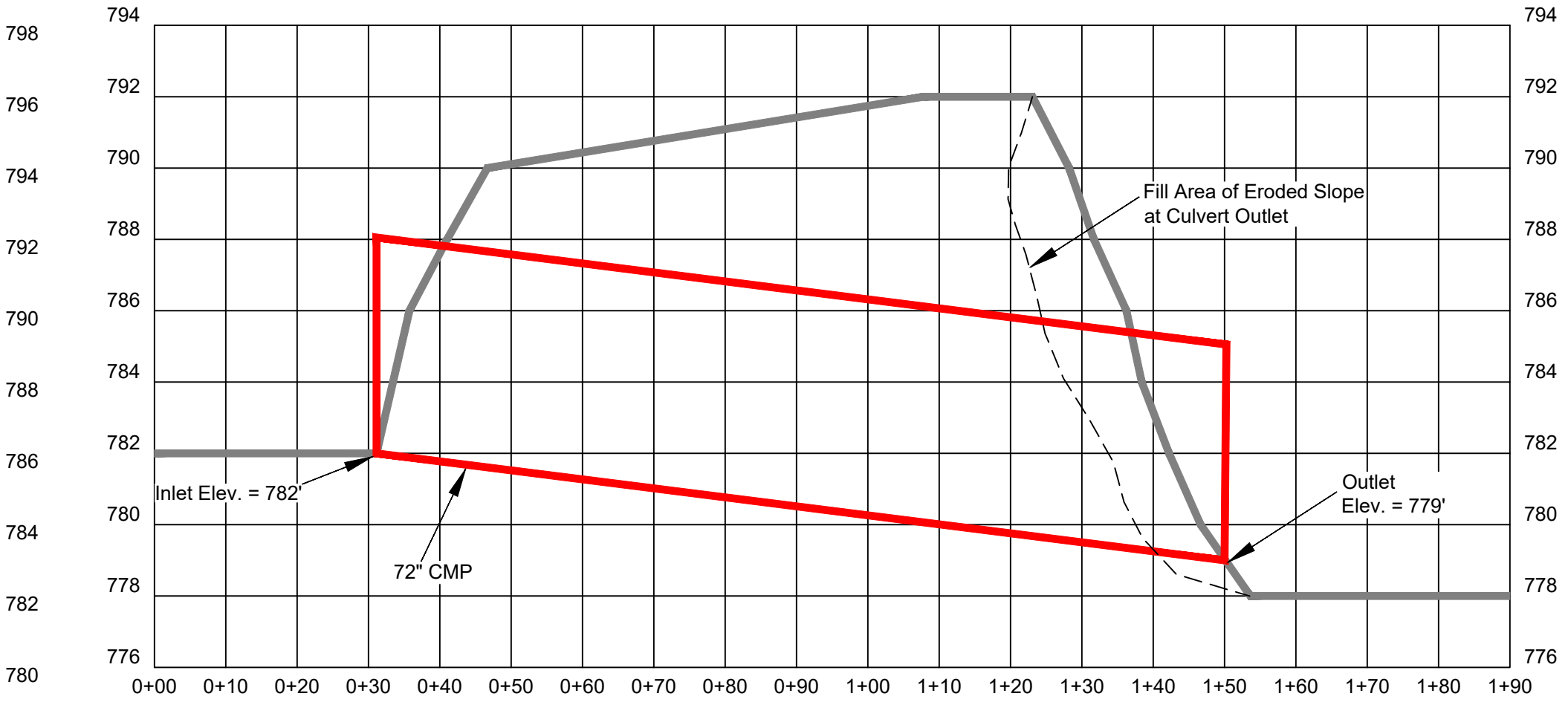
Area 4 - Emergency Spillway



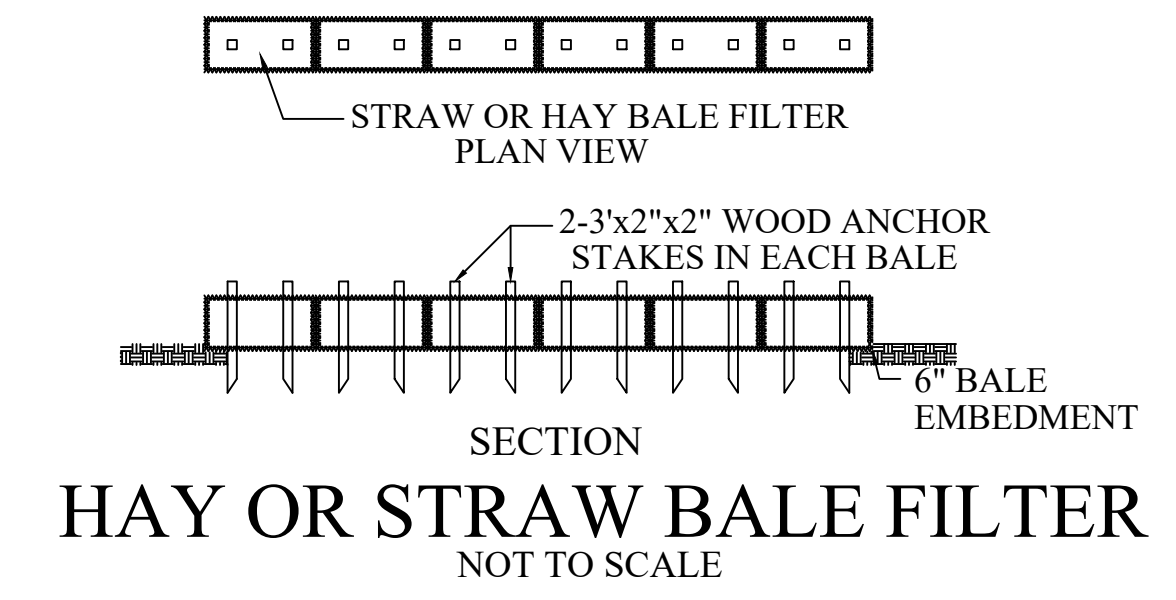
Area 4 - Emergency Spillway Pipe



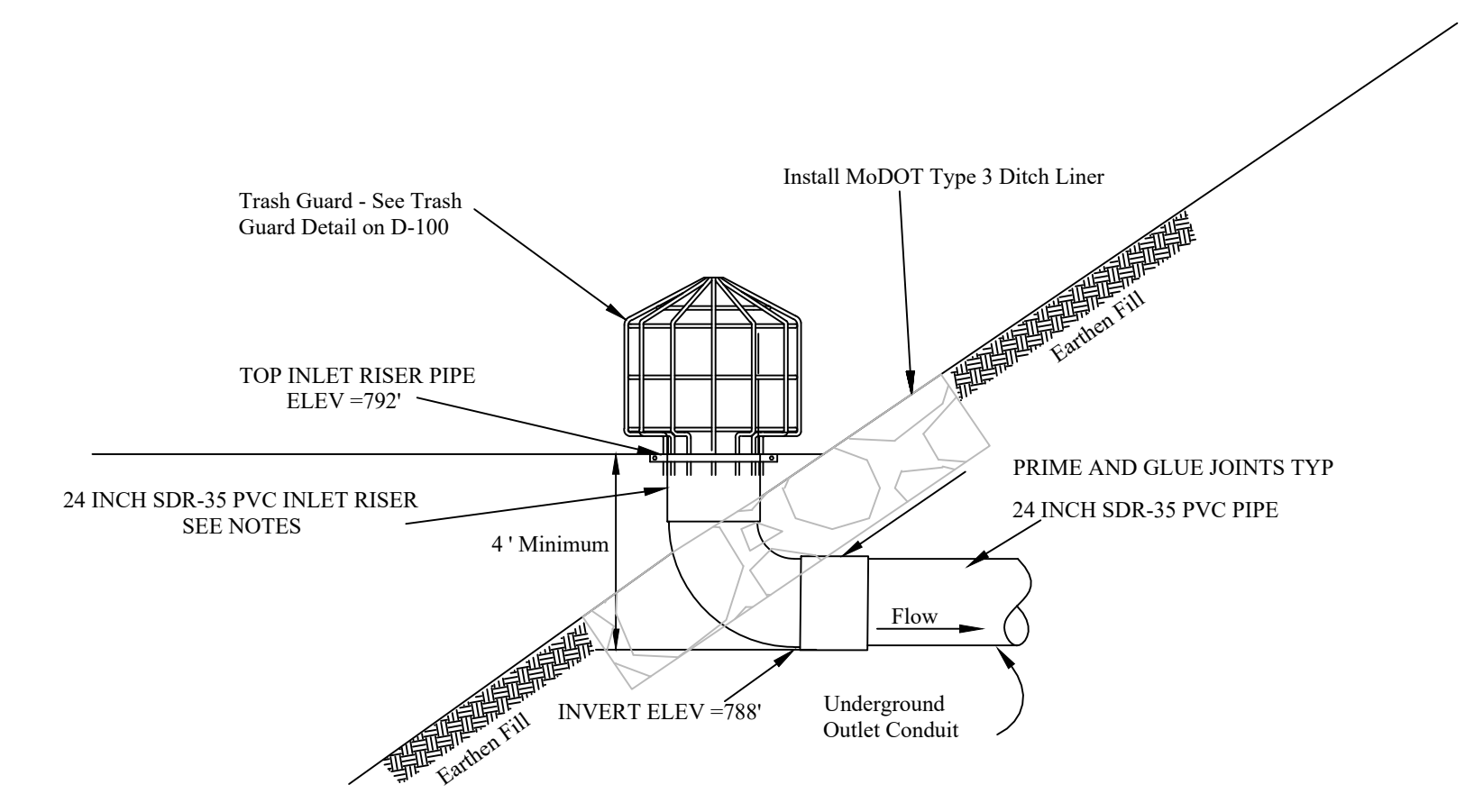
Area 4 - Primary Spillway Pipe



Area 4 - Culvert Pipe

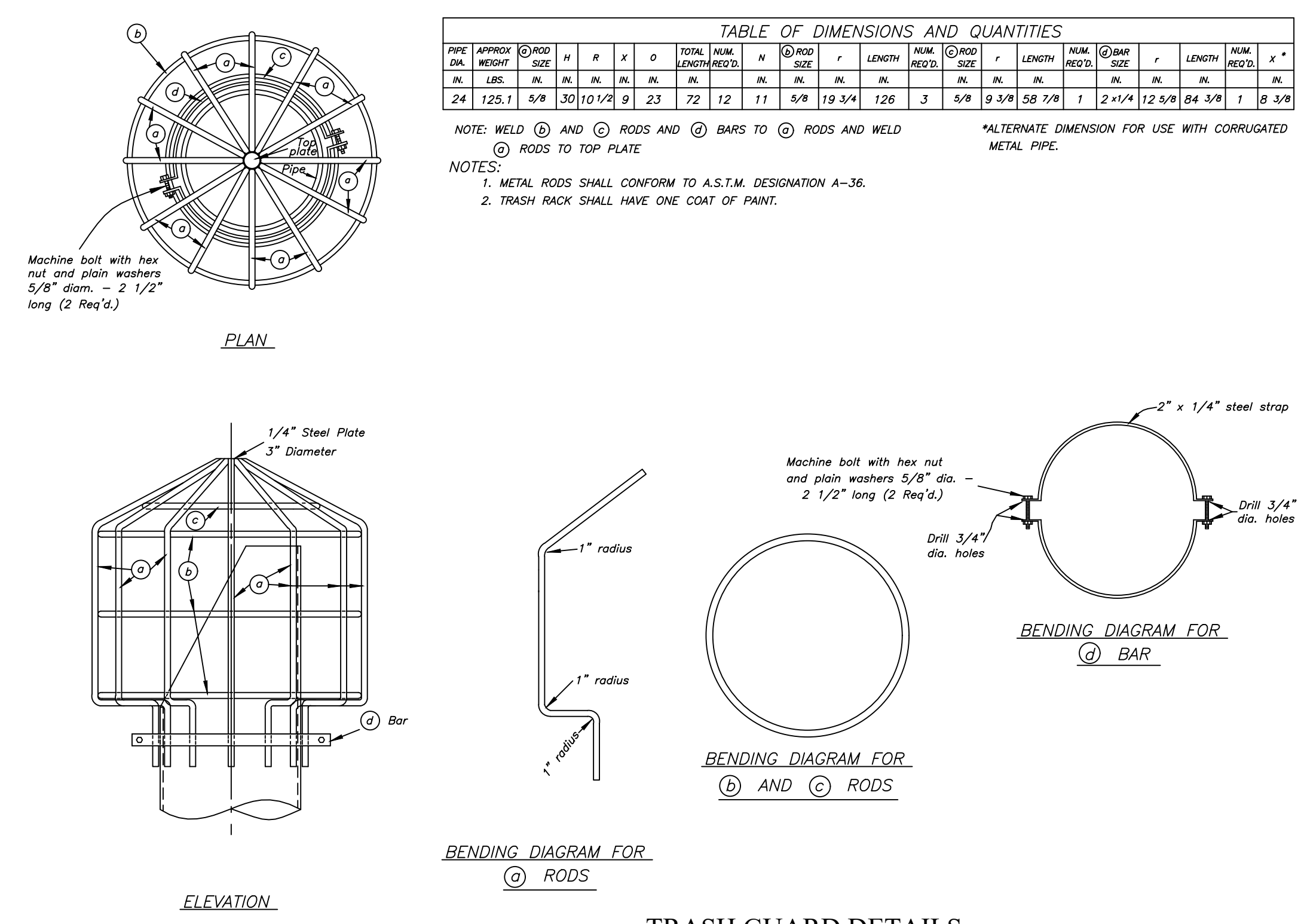


HAY OR STRAW BALE FILTER NOT TO SCALE



DETENTION POND INLET RISER PIPE AND CONDUIT DETAILS NOT TO SCALE

- NOTES:**
- All pipe materials, joints, elbows, tees, etc.. shall be 24 Inch SDR 35 PVC.
  - All joints, and pipe connections shall be installed as per manufacturers recommendations.
  - Top of riser pipe pipe shall be fitted with a metal trash guard . (See Details)



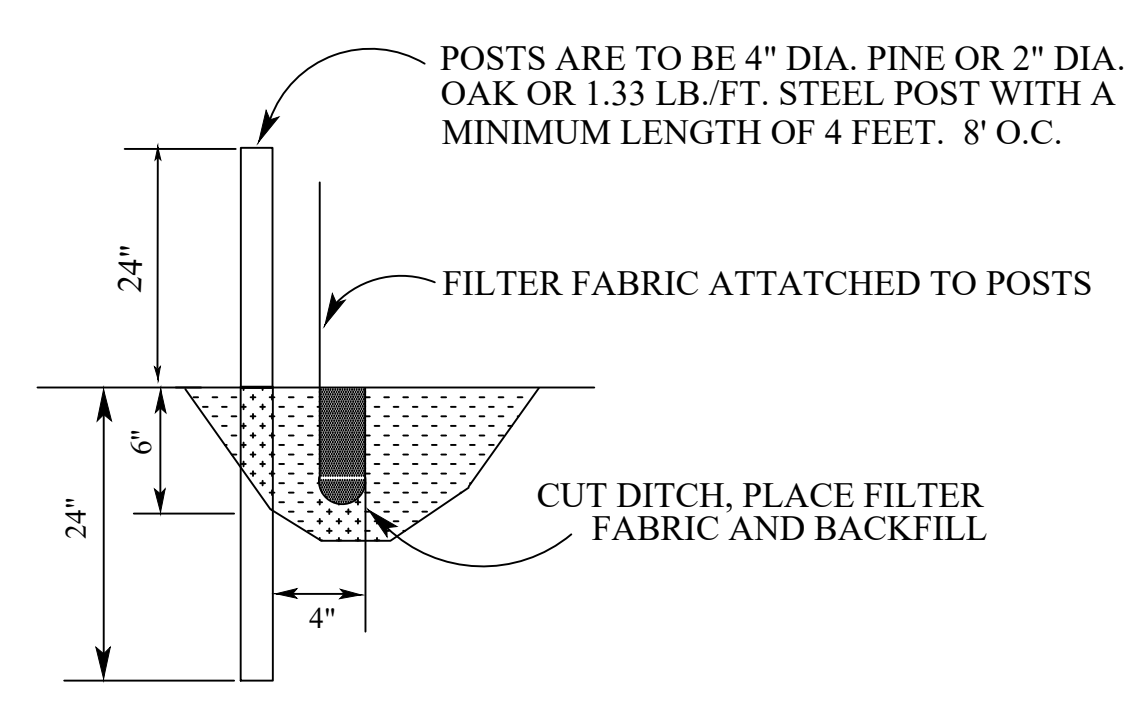
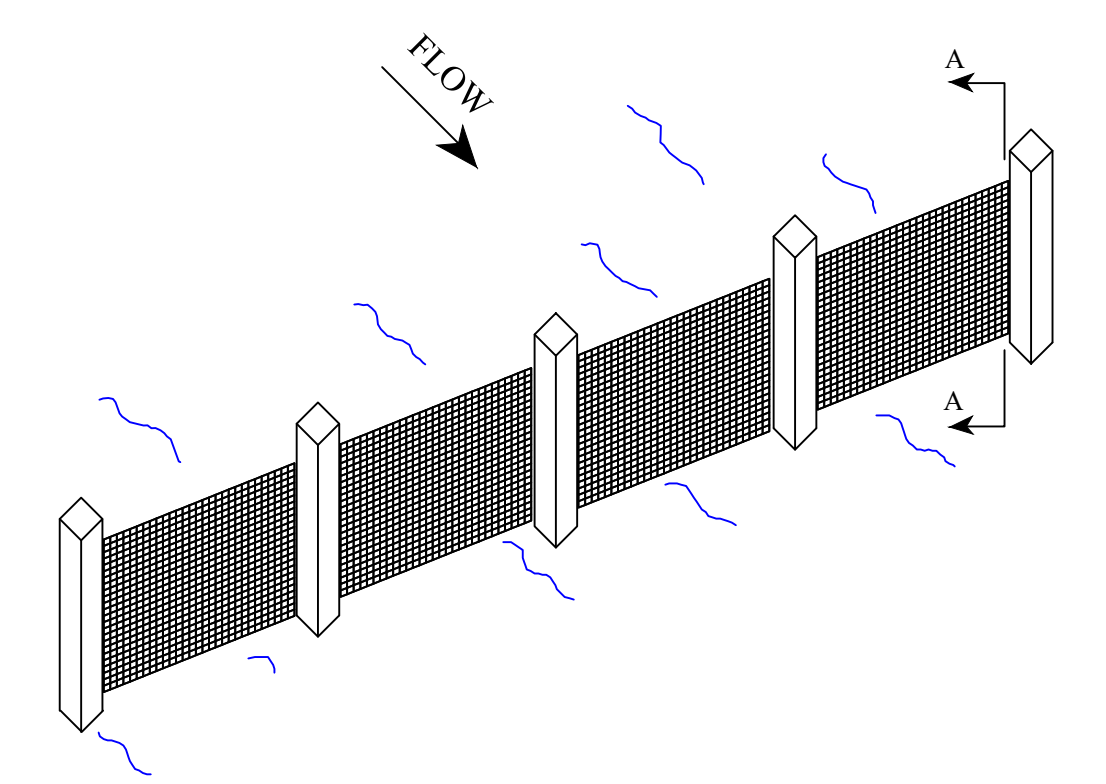
TRASH GUARD DETAILS NOT TO SCALE

**TABLE OF DIMENSIONS AND QUANTITIES**

PIPE DIA	APPROX WEIGHT	ROD SIZE	H	R	X	O	TOTAL NUM LENGTH REQ'D	ROD SIZE	r	LENGTH	NUM REQ'D	BAR SIZE	r	LENGTH	NUM REQ'D							
24	125.1	5/8	30	10 1/2	9	23	72	12	11	5/8	19 3/4	126	3	5/8	9 3/8	58 7/8	1	2 1/4	12 5/8	84 3/8	1	8 3/8

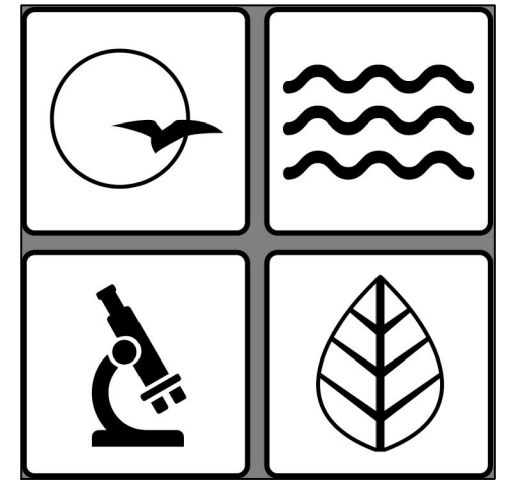
NOTE: WELD (A) AND (C) RODS AND (B) BARS TO (A) RODS AND WELD (C) RODS TO TOP PLATE. ALTERNATE DIMENSION FOR USE WITH CORRUGATED METAL PIPE.

NOTES:  
 1. METAL RODS SHALL CONFORM TO A.S.T.M. DESIGNATION A-36.  
 2. TRASH RACK SHALL HAVE ONE COAT OF PAINT.



SECTION A-A GEOTEXTILE SILT FENCE NOT TO SCALE

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



**MISSOURI**  
DEPARTMENT OF  
NATURAL  
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OFFICE OF ADMINISTRATION  
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MANAGEMENT,  
DESIGN AND CONSTRUCTION

MO. DEPARTMENT OF  
NATURAL RESOURCES  
LAND RECLAMATION  
PROGRAM

Two Rocks Reclamation Project

FACILITY: NOT APPLICABLE

Henry County, Missouri

PROJECT # Y2302-01  
SITE # N/A  
FACILITY # N/A

REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
ISSUE DATE: 09/01/2023

CAD DWG FILE: \_\_\_\_\_  
DRAWN BY: JLM  
CHECKED BY: BEW  
DESIGNED BY: JLM

SHEET TITLE:  
DETAILS

SHEET NUMBER:

**D-100**

11 OF 11 SHEETS  
09/01/2023