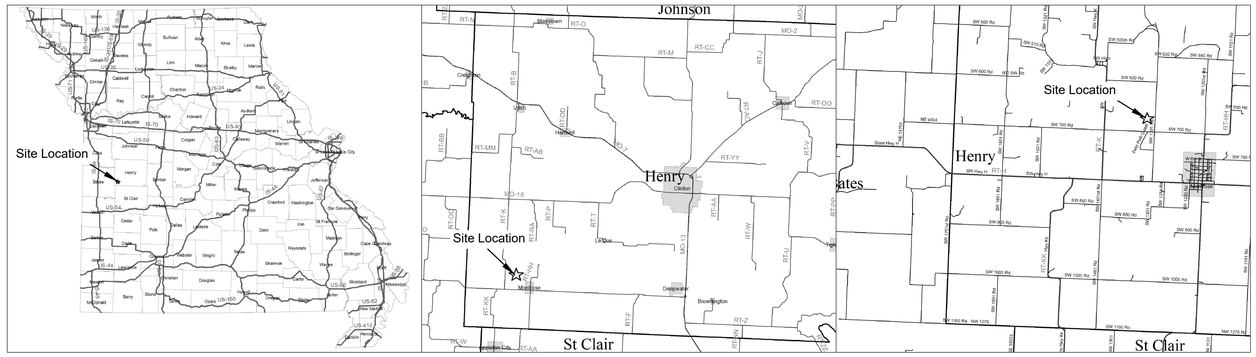
Horn Branch
Reclamation Project
Henry County, Missouri



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

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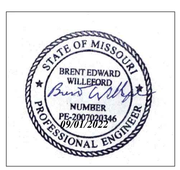
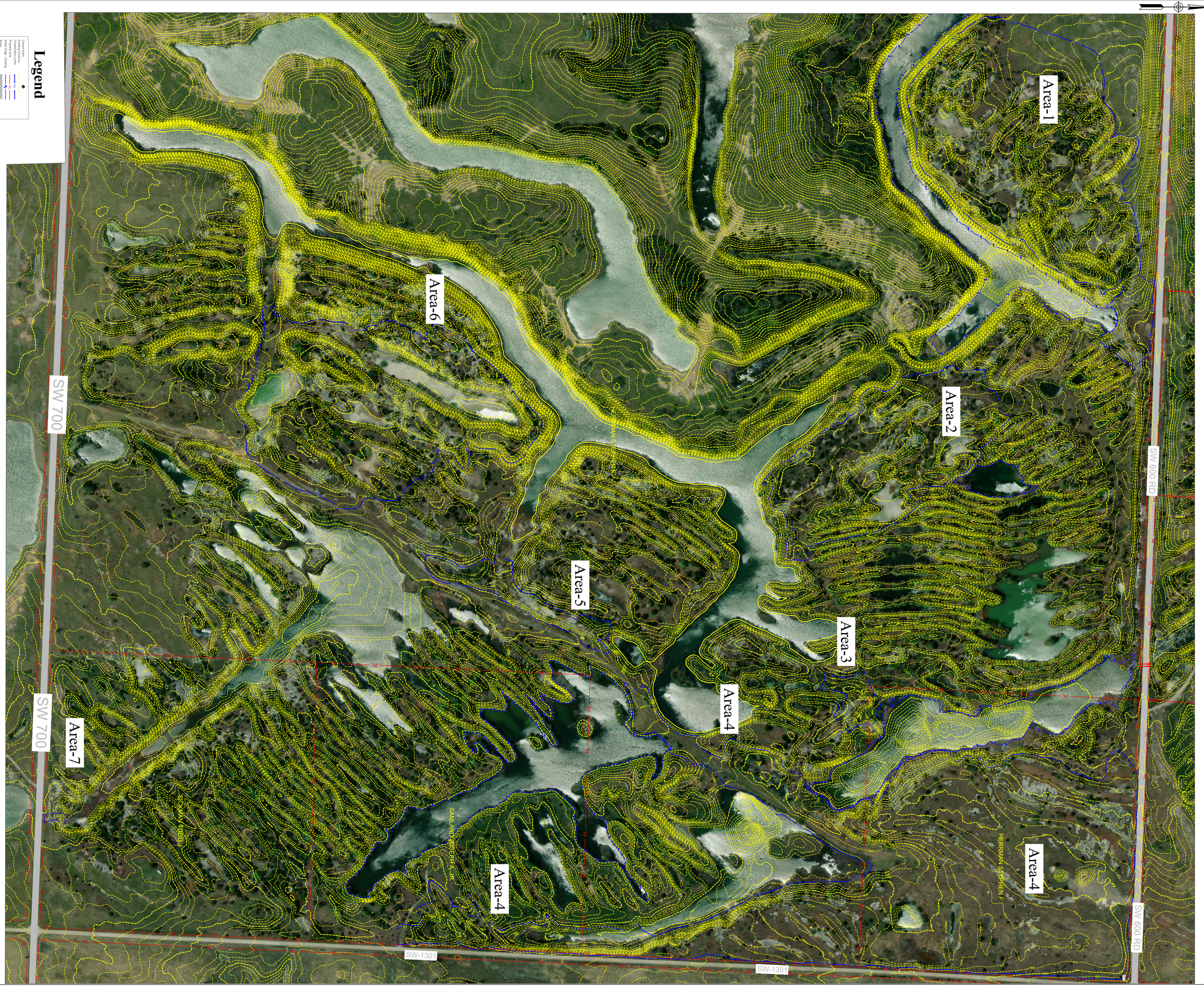


DESIGNER: LAND RECLAMATION PROGRAM

PROJECT NUMBER: Y2204-01

SHEET NUMBER:
G-100
1 OF 21 SHEETS
September 1, 2022



STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

STATE OF MISSOURI
BRENT EDWARD WILLEFORD
NUMBER PE-2007020346
09/01/2022
PROFESSIONAL ENGINEER

MISSOURI
DEPARTMENT OF NATURAL RESOURCES

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

MO. DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION PROGRAM

Horn Branch Reclamation Project

FACILITY: NOT APPLICABLE

Henry County, Missouri

PROJECT # Y2204-01
SITE # N/A
FACILITY # N/A

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 09/01/2022

CAD DWG FILE:
DRAWN BY: BEW
CHECKED BY: LRP
DESIGNED BY: BEW

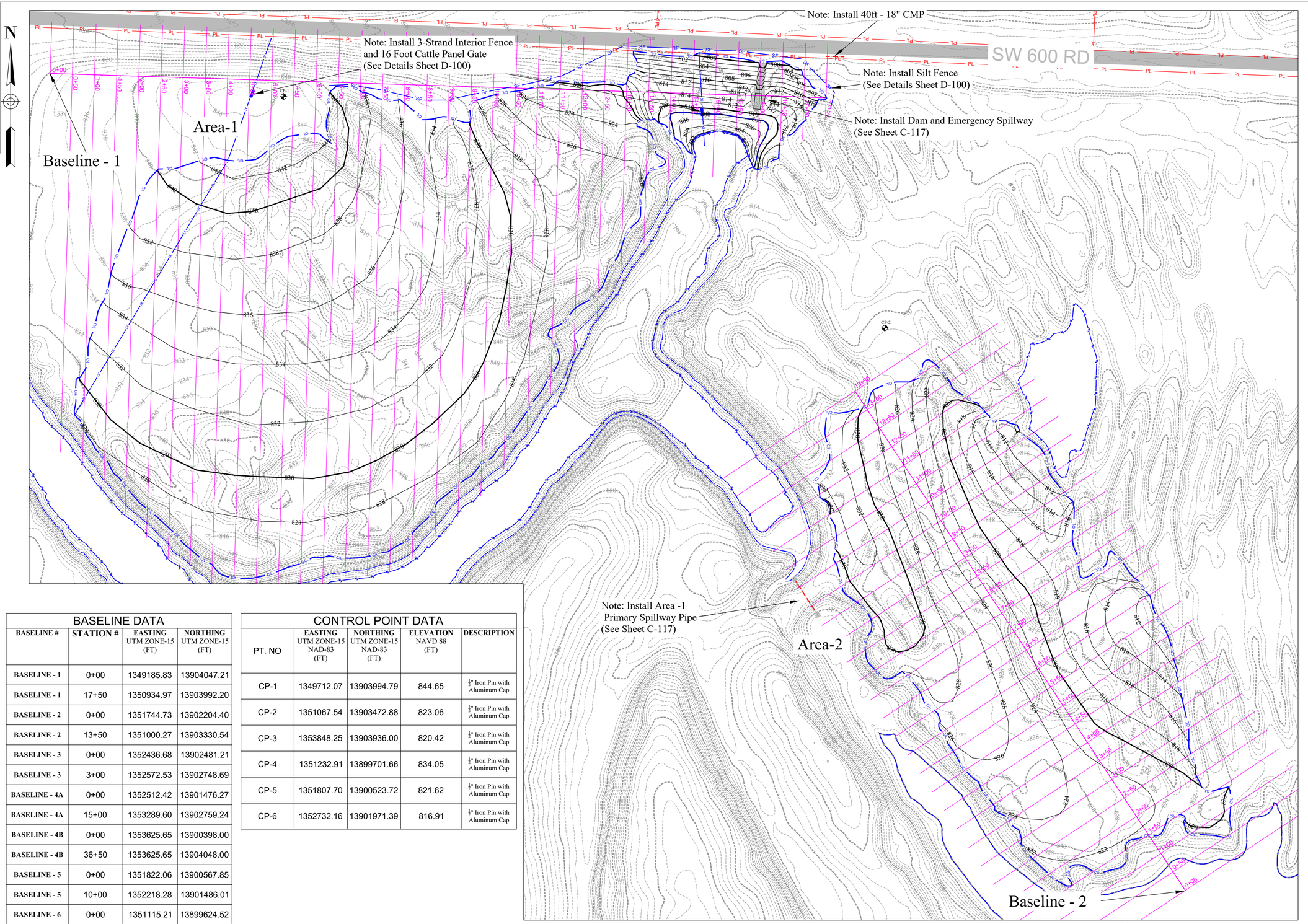
SHEET TITLE:

Existing Conditions
Areas 1-7

SHEET NUMBER:

G-101

2 OF 21 SHEETS
09/01/2022



BASELINE DATA

BASELINE #	STATION #	EASTING UTM ZONE-15 (FT)	NORTHING UTM ZONE-15 (FT)
BASELINE - 1	0+00	1349185.83	13904047.21
BASELINE - 1	17+50	1350934.97	13903992.20
BASELINE - 2	0+00	1351744.73	13902204.40
BASELINE - 2	13+50	1351000.27	13903330.54
BASELINE - 3	0+00	1352436.68	13902481.21
BASELINE - 3	3+00	1352572.53	13902748.69
BASELINE - 4A	0+00	1352512.42	13901476.27
BASELINE - 4A	15+00	1353289.60	13902759.24
BASELINE - 4B	0+00	1353625.65	13900398.00
BASELINE - 4B	36+50	1353625.65	13904048.00
BASELINE - 5	0+00	1351822.06	13900567.85
BASELINE - 5	10+00	1352218.28	13901486.01
BASELINE - 6	0+00	1351115.21	13899624.52
BASELINE - 6	16+00	1351115.21	13901224.52

CONTROL POINT DATA

PT. NO	EASTING UTM ZONE-15 NAD-83 (FT)	NORTHING UTM ZONE-15 NAD-83 (FT)	ELEVATION NAVD 88 (FT)	DESCRIPTION
CP-1	1349712.07	13903994.79	844.65	½" Iron Pin with Aluminum Cap
CP-2	1351067.54	13903472.88	823.06	½" Iron Pin with Aluminum Cap
CP-3	1353848.25	13903936.00	820.42	½" Iron Pin with Aluminum Cap
CP-4	1351232.91	13899701.66	834.05	½" Iron Pin with Aluminum Cap
CP-5	1351807.70	13900523.72	821.62	½" Iron Pin with Aluminum Cap
CP-6	1352732.16	13901971.39	816.91	½" Iron Pin with Aluminum Cap

Legend

Existing Contours	Water Edge - Existing
Design Contours	Water Edge - Proposed
Construction Limits	Road
Property Line	MoDOT Type 3 Ditch Liner
Pipes - Proposed	Control Point
Silt Fence	New 16' Ft. Tube Gate
Match Line	New 16 Ft. Cattle Panel Gate
New Perimter Fence	Straw Bales
New Interior Fence	

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

STATE OF MISSOURI
BRENT EDWARD WILLEDORD
NUMBER PE-2007020346
09/01/2022
PROFESSIONAL ENGINEER

MISSOURI
DEPARTMENT OF NATURAL RESOURCES

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

MO. DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION PROGRAM

Horn Branch Reclamation Project

FACILITY: NOT APPLICABLE

Henry County, Missouri

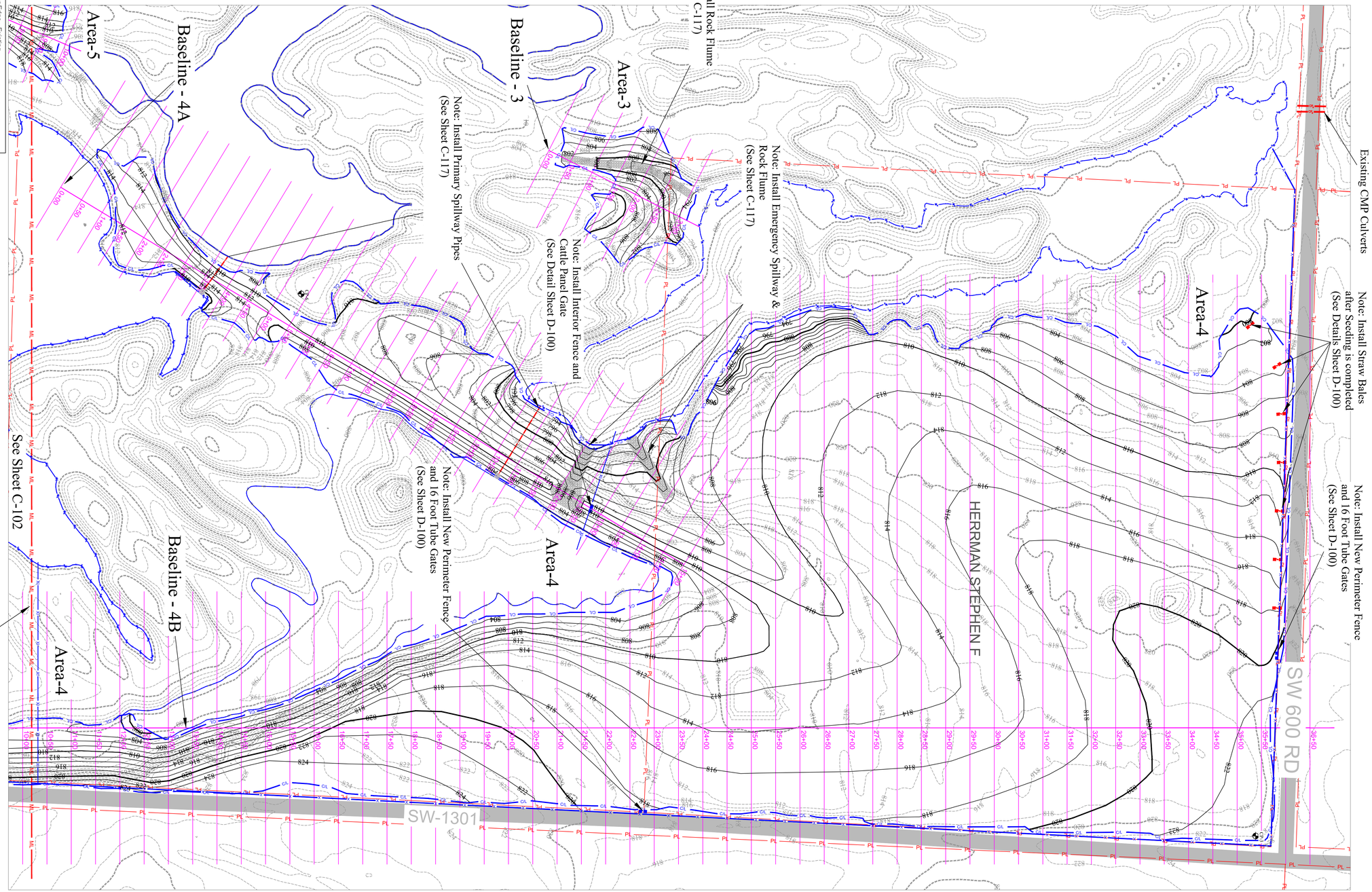
PROJECT # Y2204-01
SITE # N/A
FACILITY # N/A

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 09/01/2022

CAD DWG FILE:
DRAWN BY: BEW
CHECKED BY: LRP
DESIGNED BY: BEW

SHEET TITLE:
Plan View
Areas 1-2

SHEET NUMBER:
C-100
3 OF 21 SHEETS
09/01/2022



STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

STATE OF MISSOURI
BRENT EDWARD WILLEFORD
NUMBER PE-2007020346
09/01/2022
PROFESSIONAL ENGINEER

MISSOURI
DEPARTMENT OF NATURAL RESOURCES

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

MO. DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION PROGRAM

Horn Branch Reclamation Project

FACILITY: NOT APPLICABLE

Henry County, Missouri

PROJECT # Y2204-01
SITE # N/A
FACILITY # N/A

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 09/01/2022

CAD DWG FILE:
DRAWN BY: BEW
CHECKED BY: LRP
DESIGNED BY: BEW

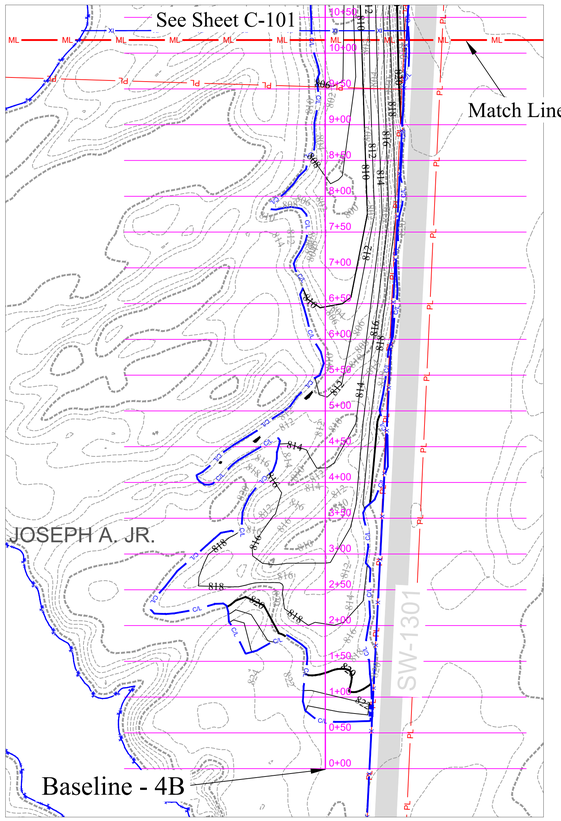
SHEET TITLE:

Plan View
Areas 3-4

SHEET NUMBER:

C-101

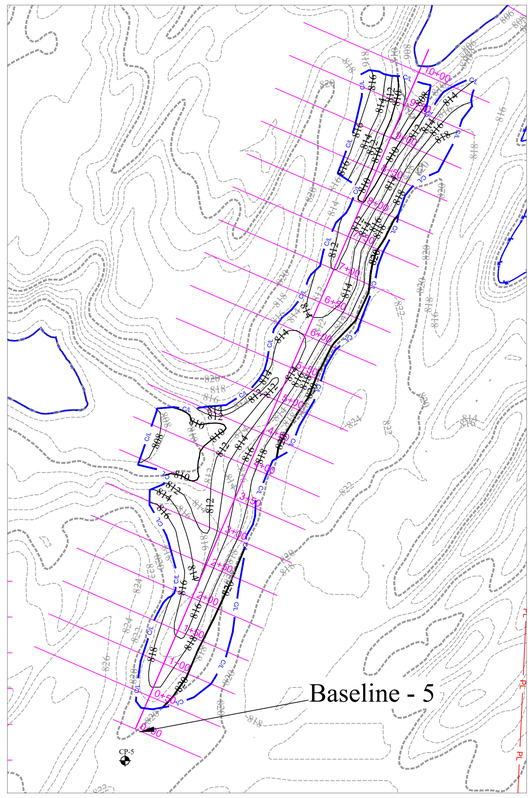
4 OF 21 SHEETS
09/01/2022



Area-4

0 100' 200'

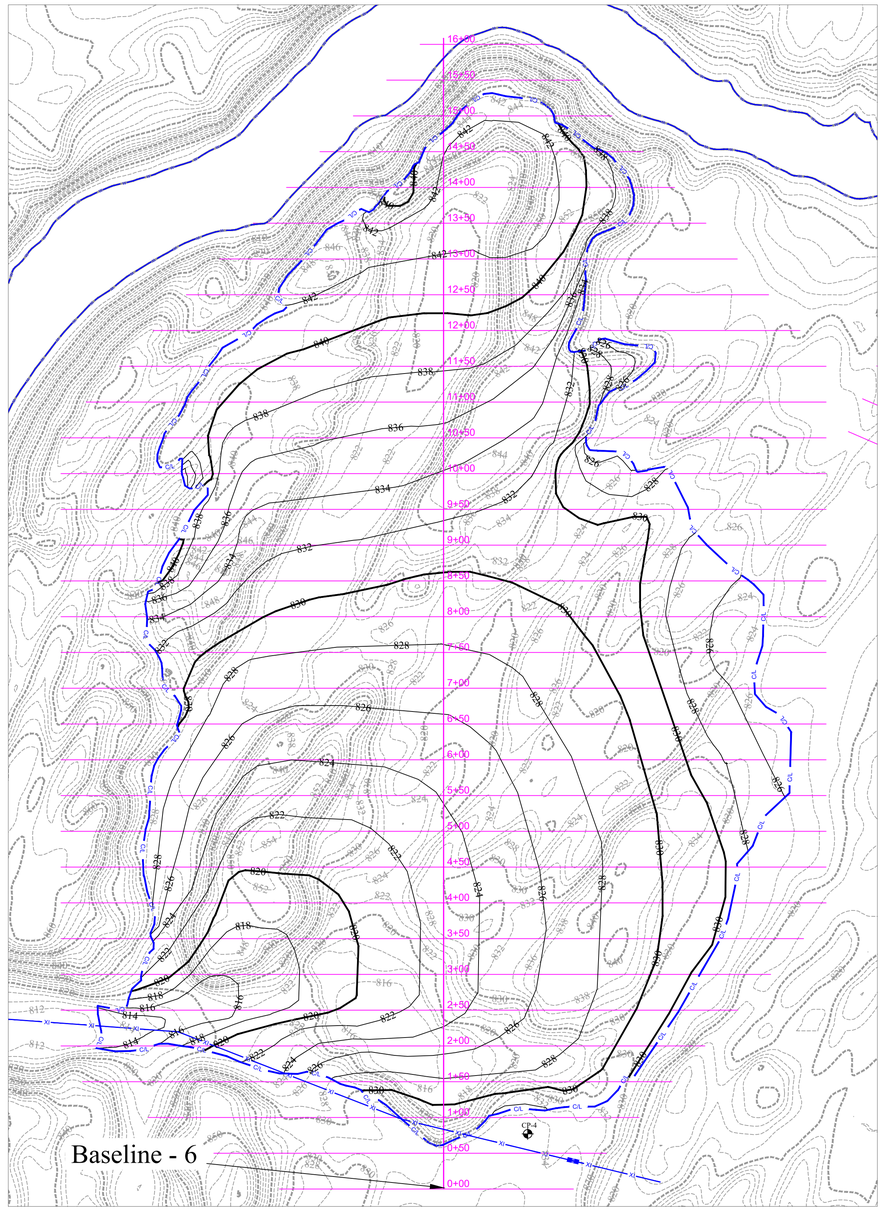
Scale: 1" = 100'



Area-5

0 100' 200'

Scale: 1" = 100'



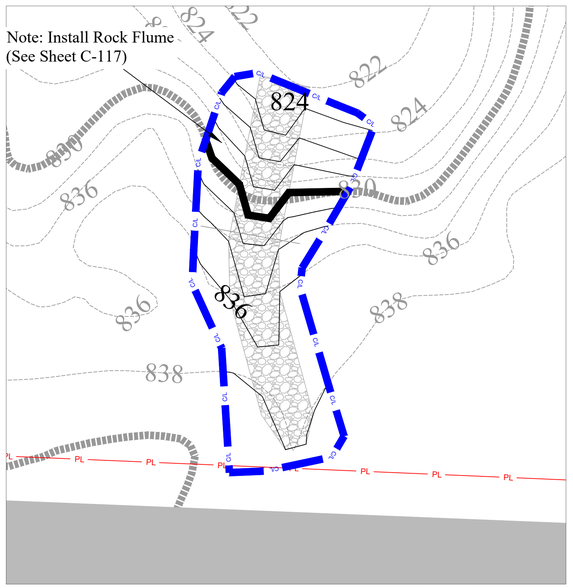
Area-6

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.



Area-7

0 20' 40'

Scale: 1" = 20'

Legend

Existing Contours	Water Edge - Existing
Design Contours	Water Edge - Proposed
Construction Limits CL	Road
Property Line PL	MoDOT Type 3 Ditch Liner
Pipes - Proposed	Control Point
Silt Fence SF	New 16' Ft. Tube Gate
Match Line ML	New 16 Ft. Cattle Panel Gate
New Perimter Fence X	Straw Bales
New Interior Fence XI	

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

STATE OF MISSOURI
BRENT EDWARD WILLEFORD
NUMBER PE-2007020346
09/01/2022
PROFESSIONAL ENGINEER

MISSOURI
DEPARTMENT OF NATURAL RESOURCES

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

MO. DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION PROGRAM

Horn Branch Reclamation Project

FACILITY: NOT APPLICABLE

Henry County, Missouri

PROJECT # Y2204-01
SITE # N/A
FACILITY # N/A

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 09/01/2022

CAD DWG FILE:
DRAWN BY: BEW
CHECKED BY: LRP
DESIGNED BY: BEW

SHEET TITLE:
Plan View
Areas 4, 5, 6 & 7

SHEET NUMBER:
C-102
5 OF 21 SHEETS
09/01/2022

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

STATE OF MISSOURI
BRENT EDWARD WILLEFORD
NUMBER PE-2007020346
09/01/2022
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MISSOURI
DEPARTMENT OF NATURAL RESOURCES

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

MO. DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION PROGRAM

Horn Branch Reclamation Project

FACILITY: NOT APPLICABLE

Henry County, Missouri

PROJECT # Y2204-01
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FACILITY # N/A

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REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 09/01/2022

CAD DWG FILE:
DRAWN BY: BEW
CHECKED BY: LRP
DESIGNED BY: BEW

SHEET TITLE:

CROSS SECTIONS
BASELINE-1 Sta 0+50 to Sta 4+50

SHEET NUMBER:

C-103

6 OF 21 SHEETS
09/01/2022

Area 1

LEGEND

Existing Grade

Design Grade

Area 1

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

STATE OF MISSOURI
BRENT EDWARD WILLEFORD
NUMBER PE-2007020346
(09/01/2022)
PROFESSIONAL ENGINEER

MISSOURI
DEPARTMENT OF NATURAL RESOURCES

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

MO. DEPARTMENT OF
NATURAL RESOURCES
LAND RECLAMATION
PROGRAM

Horn Branch Reclamation Project

FACILITY: NOT APPLICABLE

Henry County, Missouri

PROJECT # Y2204-01
SITE # N/A
FACILITY # N/A

REVISION:
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REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 09/01/2022

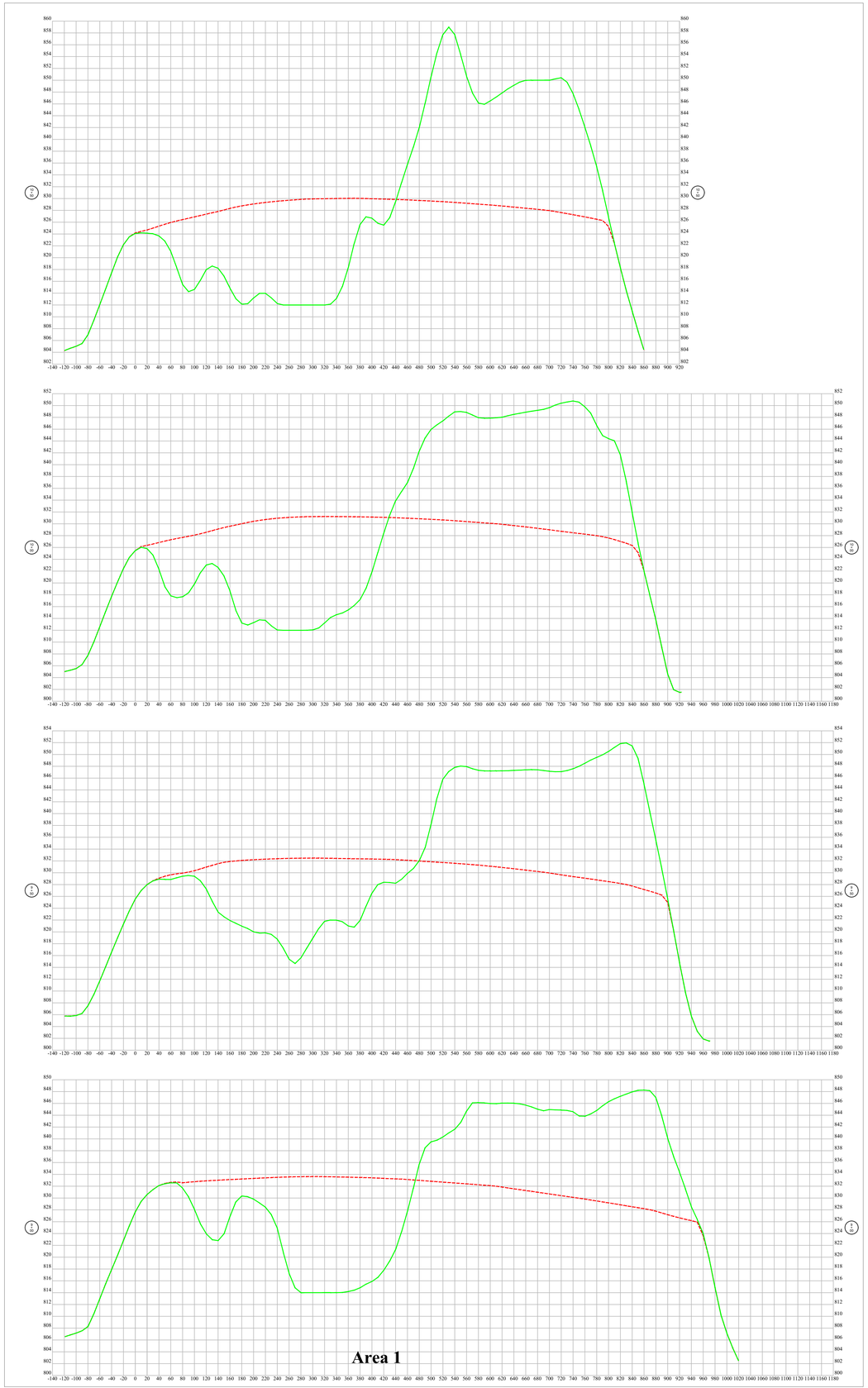
CAD DWG FILE:
DRAWN BY: BEW
CHECKED BY: LRP
DESIGNED BY: BEW

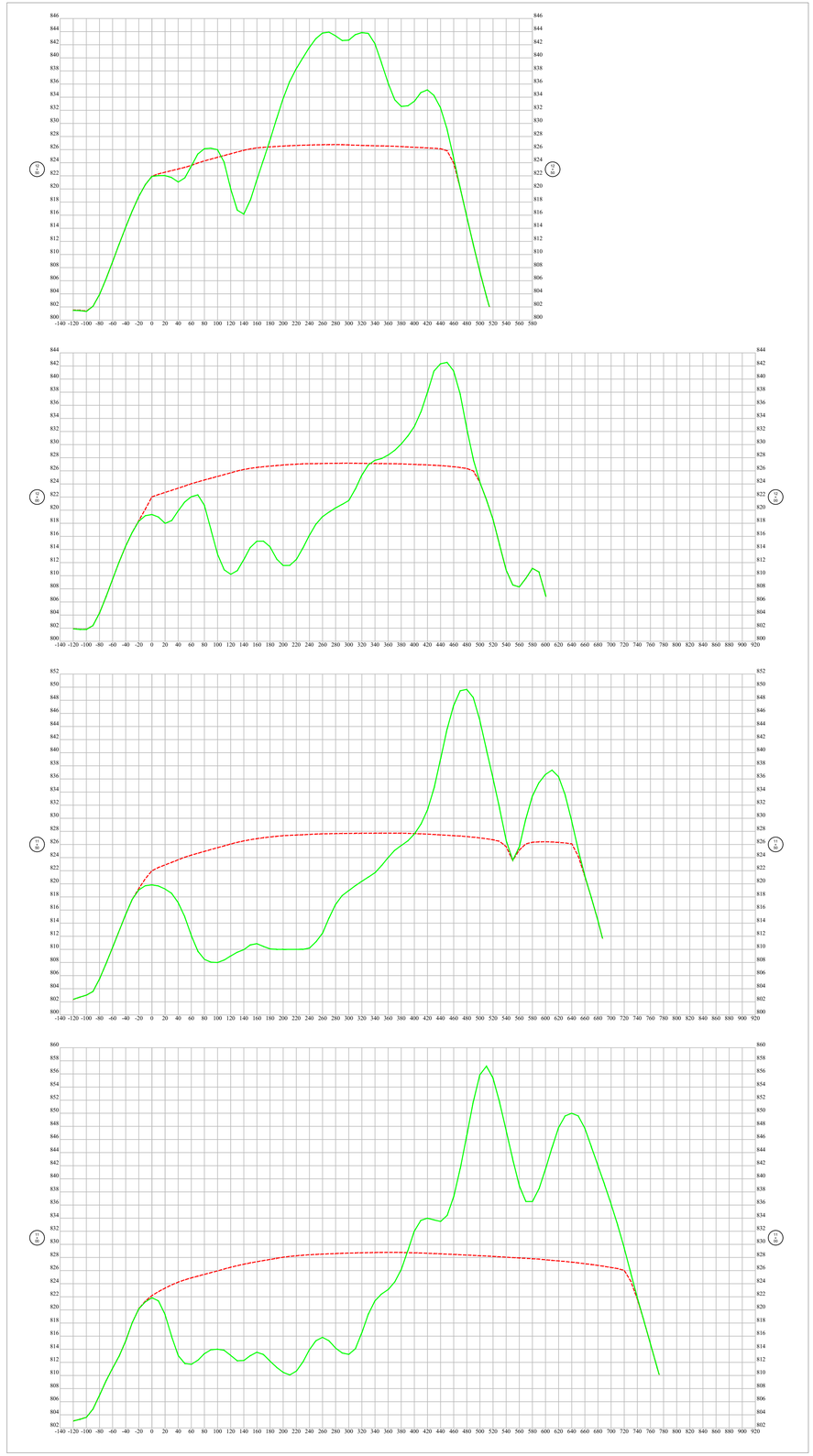
SHEET TITLE:
CROSS SECTIONS
BASELINE-1 Sta 5+00 to Sta 8+50

SHEET NUMBER:

C-104

7 OF 21 SHEETS
09/01/2022





LEGEND

Existing Grade

Design Grade

Area 1

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

STATE OF MISSOURI
BRENT EDWARD WILLEFORD
NUMBER PE-2007020346
10/07/2022
PROFESSIONAL ENGINEER

MISSOURI
DEPARTMENT OF NATURAL RESOURCES

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

MO. DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION PROGRAM

Horn Branch Reclamation Project

FACILITY: NOT APPLICABLE

Henry County, Missouri

PROJECT # Y2204-01
SITE # N/A
FACILITY # N/A

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:

ISSUE DATE: 09/01/2022

CAD DWG FILE:
DRAWN BY: BEW
CHECKED BY: LRP
DESIGNED BY: BEW

SHEET TITLE:

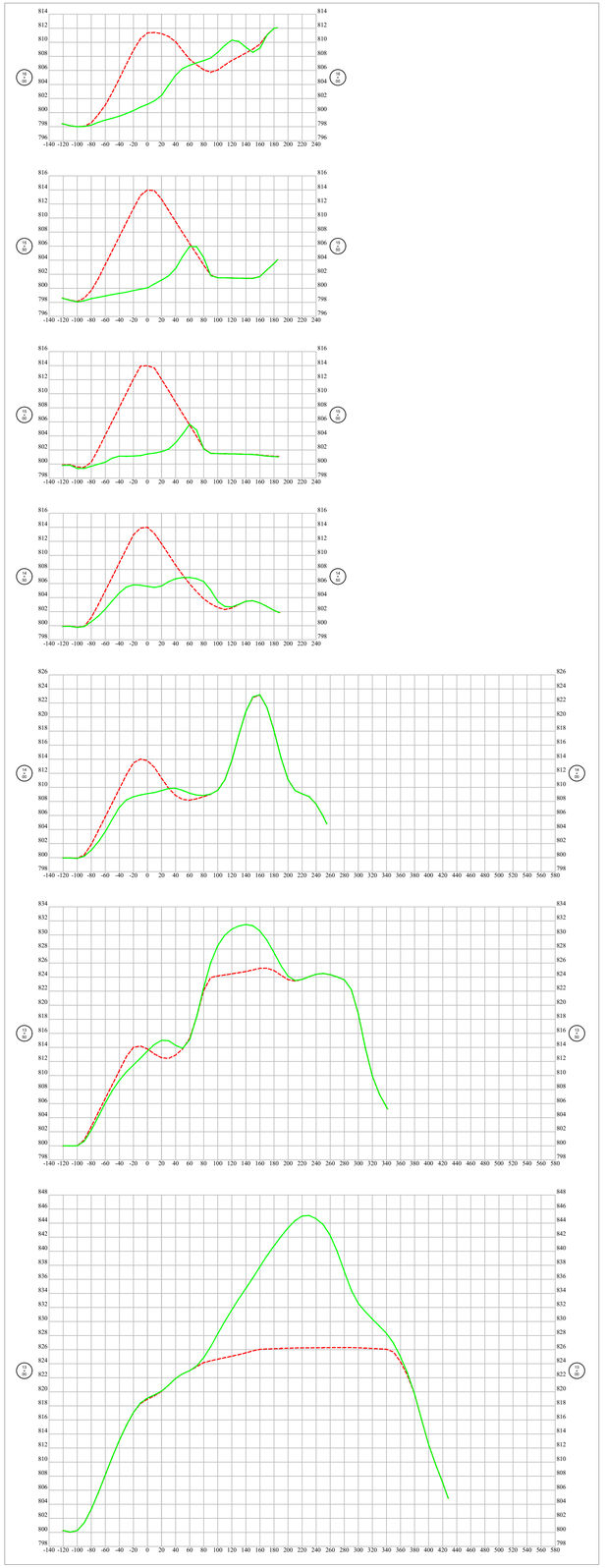
CROSS SECTIONS

BASELINE-1 Sta 9+00 to Sta 12+50

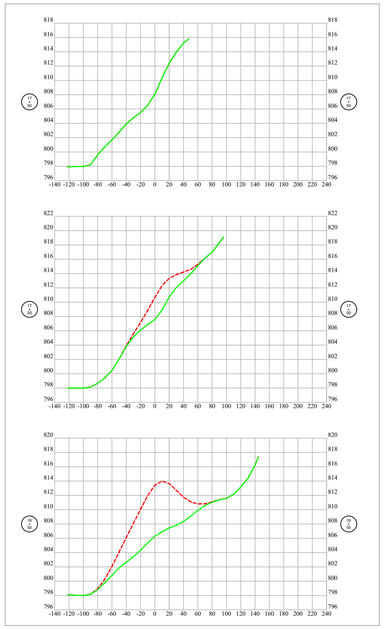
SHEET NUMBER:

C-105

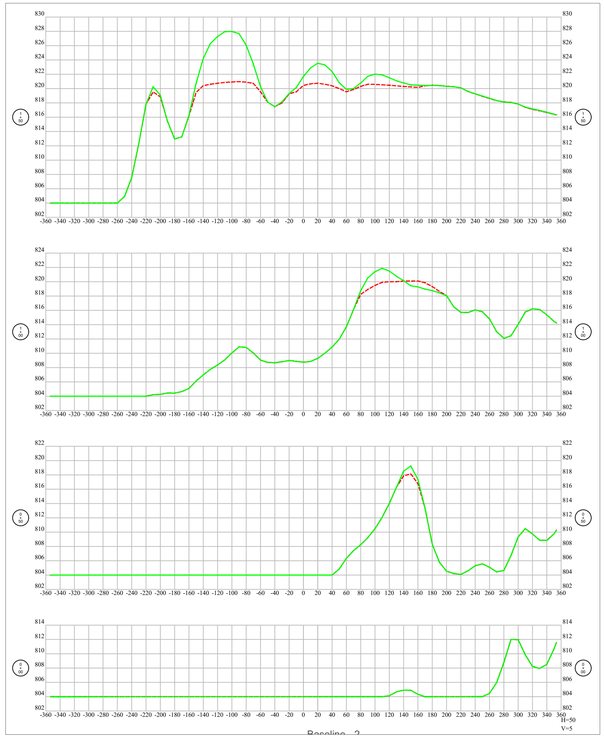
8 OF 21 SHEETS
09/01/2022



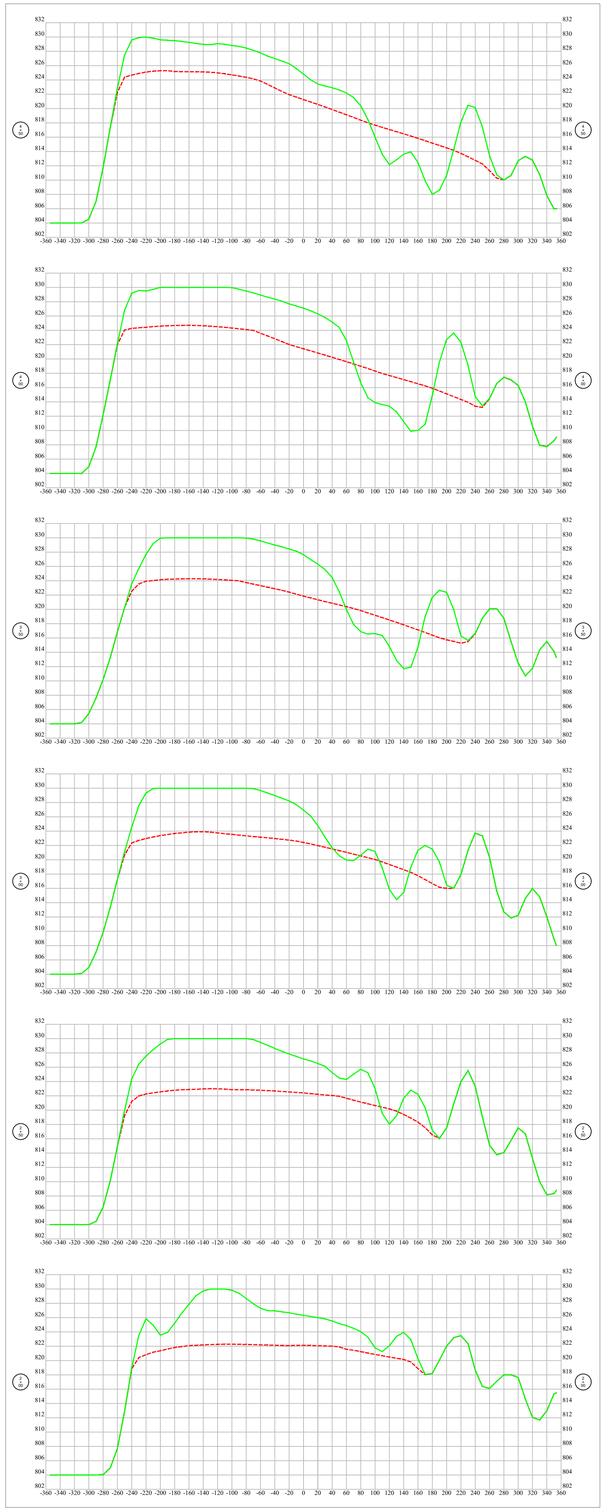
Area 1



Area 1



Area 2



Area 2

LEGEND

Existing Grade

Design Grade

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

STATE OF MISSOURI
BRENT EDWARD WILLEFORD
NUMBER
PE-2007020346
09/01/2022
PROFESSIONAL ENGINEER

MISSOURI
DEPARTMENT OF NATURAL RESOURCES

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

MO. DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION PROGRAM

Horn Branch Reclamation Project

FACILITY: NOT APPLICABLE

Henry County, Missouri

PROJECT # Y2204-01
SITE # N/A
FACILITY # N/A

REVISION:
DATE:
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DATE:
ISSUE DATE: 09/01/2022

CAD DWG FILE:
DRAWN BY: BEW
CHECKED BY: LRP
DESIGNED BY: BEW

SHEET TITLE:

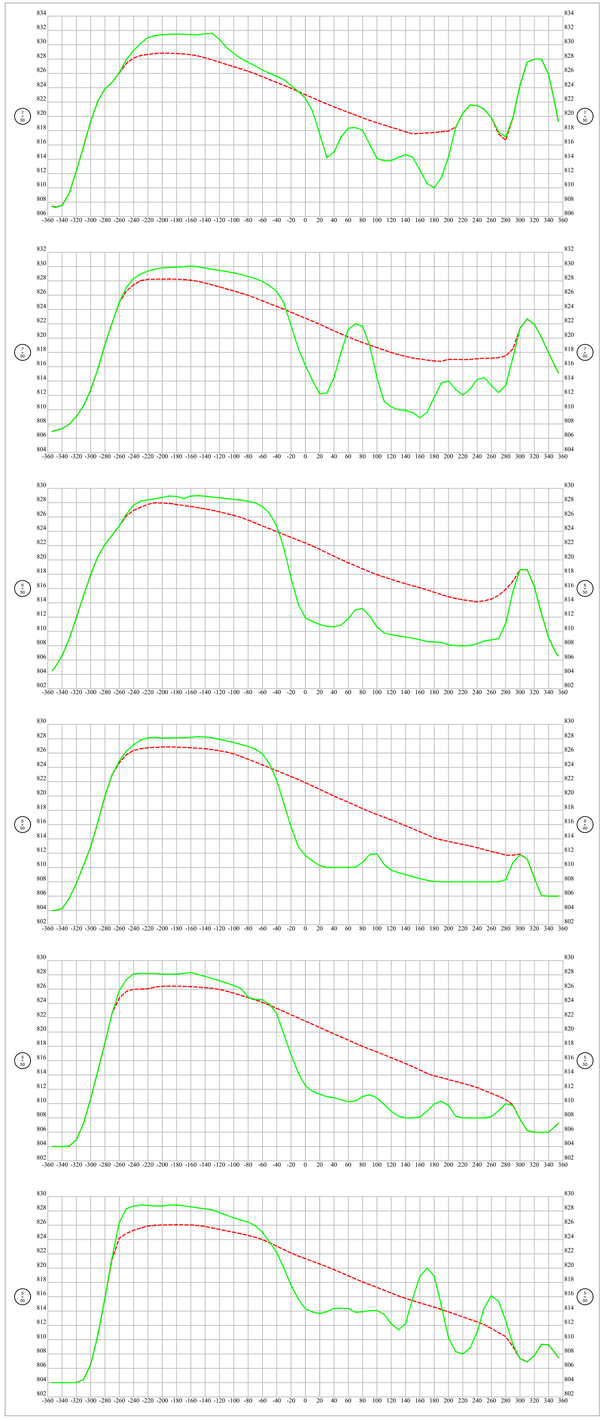
CROSS SECTIONS

BASELINE-1 Sta 13+00 to Sta 17+50
BASELINE-2 Sta 0+00 to Sta 4+50

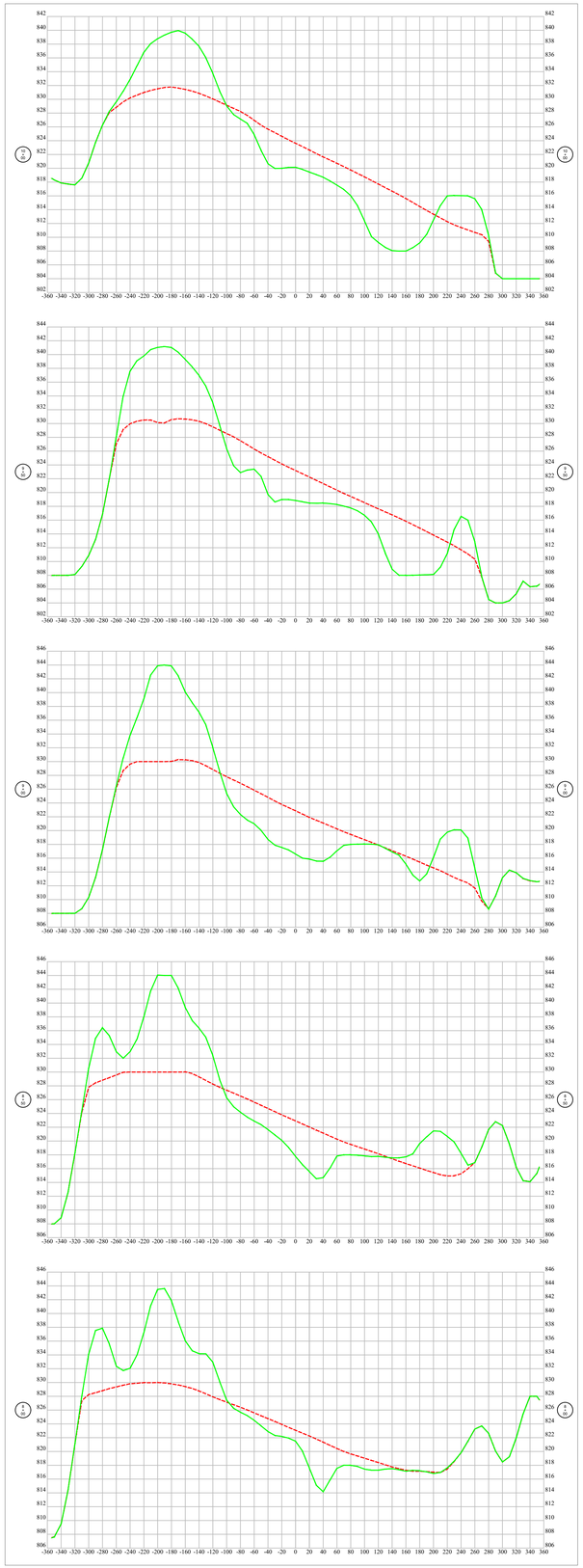
SHEET NUMBER:

C-106

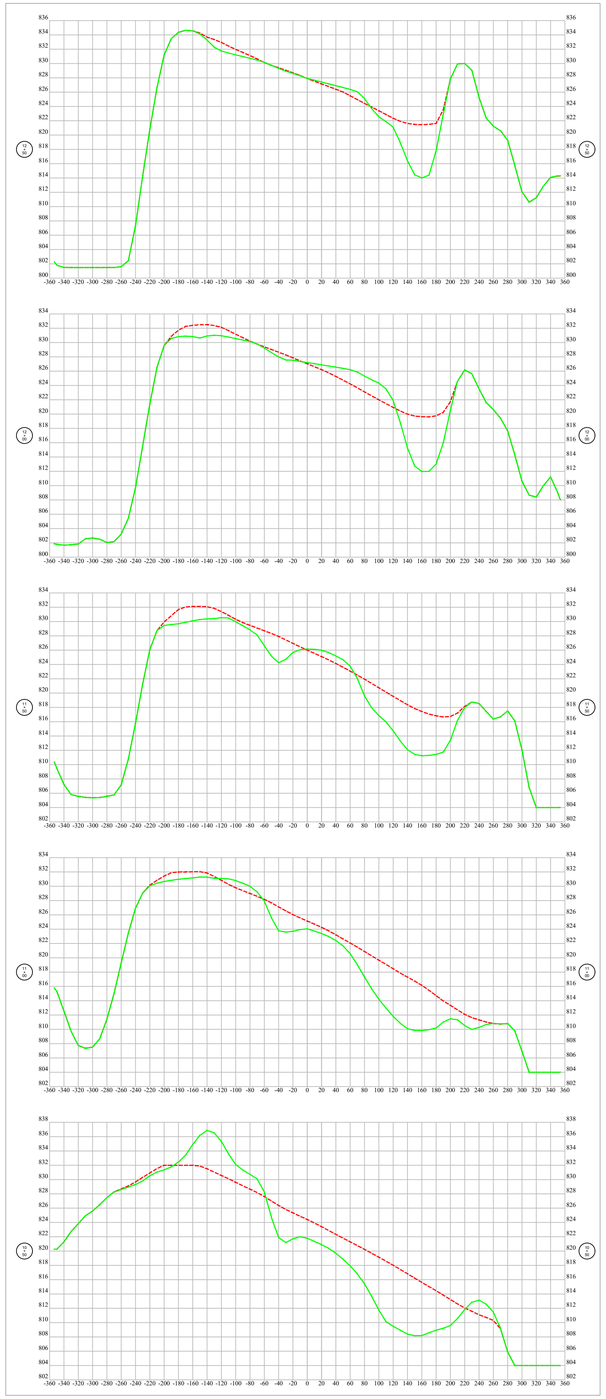
9 OF 21 SHEETS
09/01/2022



Area 2



Area 2



Area 2

LEGEND

Existing Grade

Design Grade

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

STATE OF MISSOURI
BRENT EDWARD WILLEFORD
NUMBER PE-2007020346
09/01/2022
PROFESSIONAL ENGINEER

MISSOURI
DEPARTMENT OF NATURAL RESOURCES

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

MO. DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION PROGRAM

Horn Branch Reclamation Project

FACILITY: NOT APPLICABLE

Henry County, Missouri

PROJECT # Y2204-01
SITE # N/A
FACILITY # N/A

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 09/01/2022

CAD DWG FILE:
DRAWN BY: BEW
CHECKED BY: LRP
DESIGNED BY: BEW

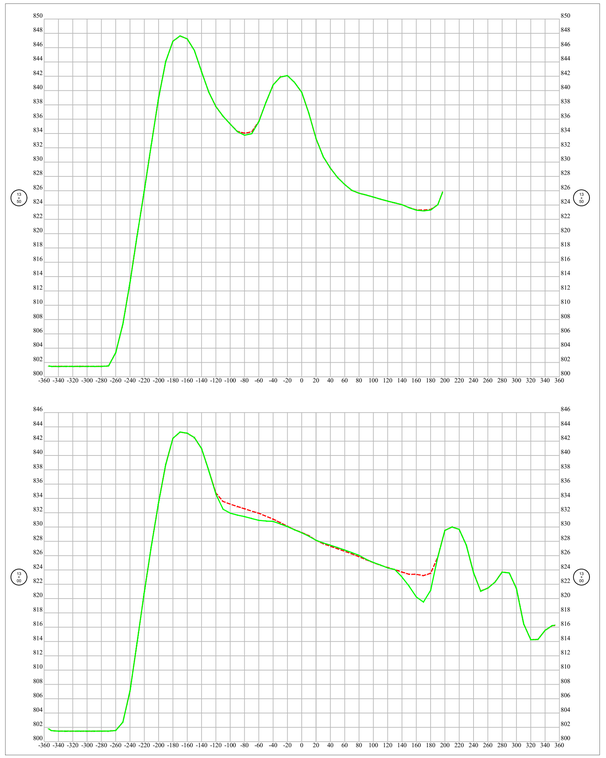
SHEET TITLE:

CROSS SECTIONS
BASELINE-2 Sta 5+00 to Sta 12+50

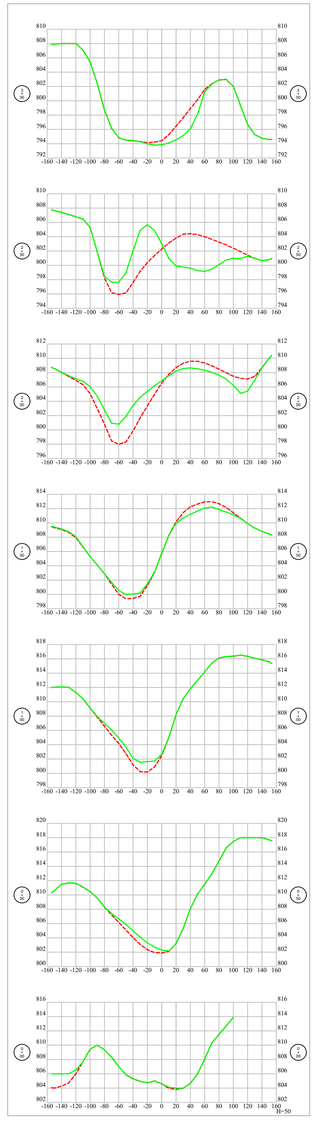
SHEET NUMBER:

C-107

10 OF 21 SHEETS
09/01/2022



Baseline - 2



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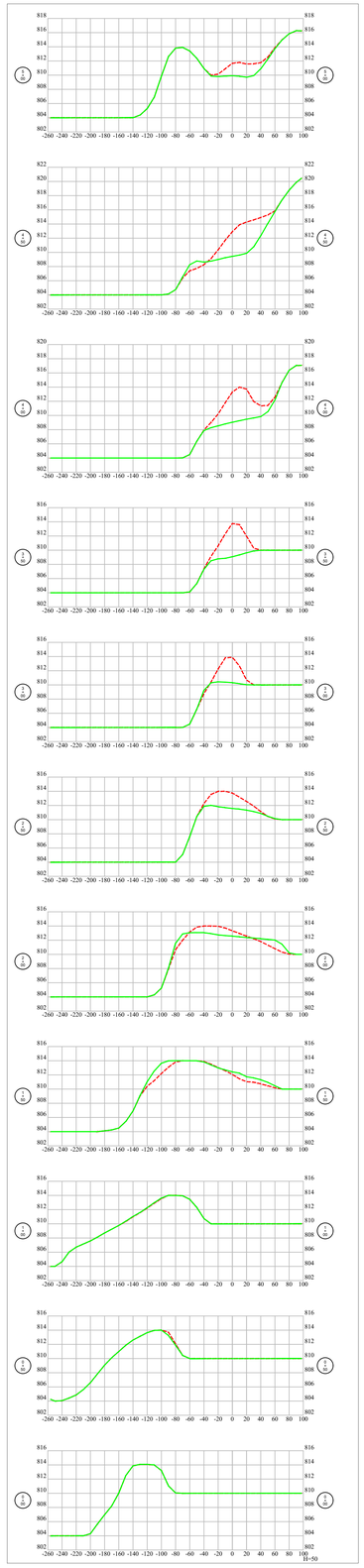
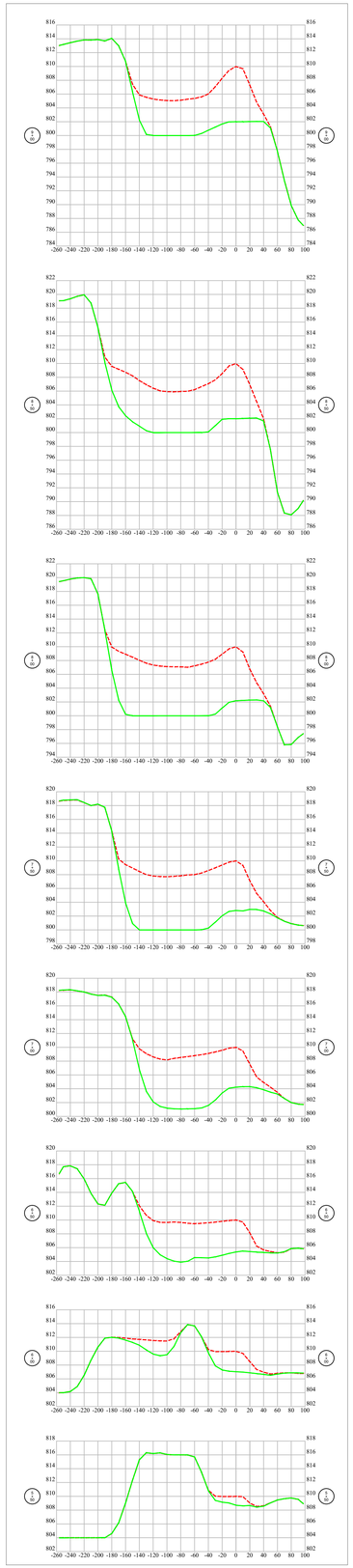
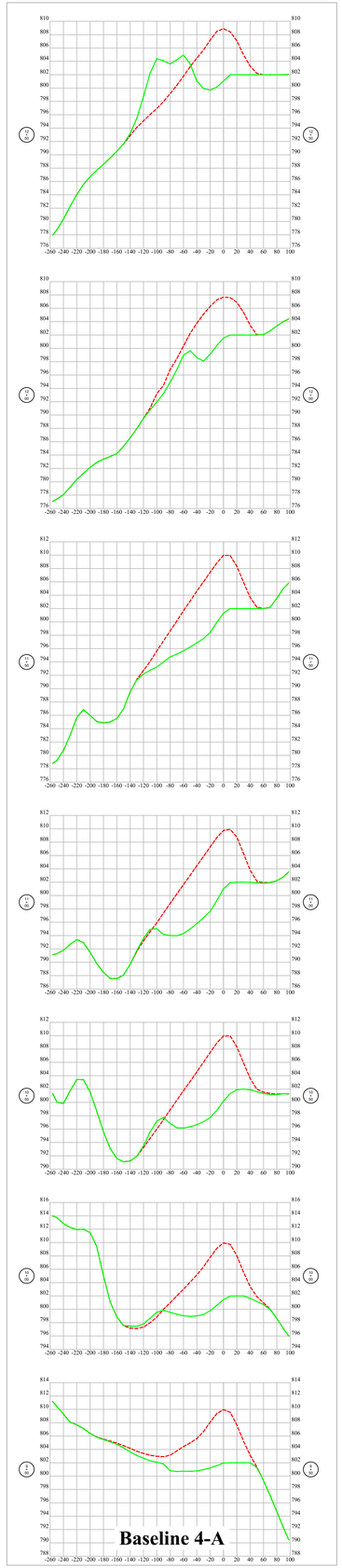


Baseline 4-A



Baseline 4-A



Baseline 4-A

LEGEND

Existing Grade

Design Grade

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

STATE OF MISSOURI
BRENT EDWARD WILLEFORD
NUMBER PE-2007020146
09/01/2022
PROFESSIONAL ENGINEER

MISSOURI
DEPARTMENT OF NATURAL RESOURCES

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

MO. DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION PROGRAM

Horn Branch Reclamation Project

FACILITY: NOT APPLICABLE

Henry County, Missouri

PROJECT # Y2204-01
SITE # N/A
FACILITY # N/A

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 09/01/2022

CAD DWG FILE:
DRAWN BY: BEW
CHECKED BY: LRP
DESIGNED BY: BEW

SHEET TITLE:

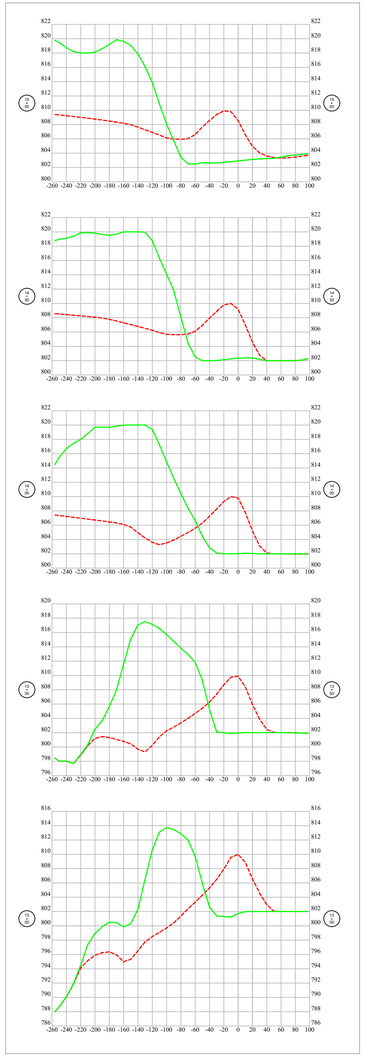
CROSS SECTIONS

BASELINE-2 Sta 13+00 to Sta 13+50
BASELINE-3 Sta 0+00 to Sta 3+00
BASELINE-4A Sta 0+00 to Sta 12+50

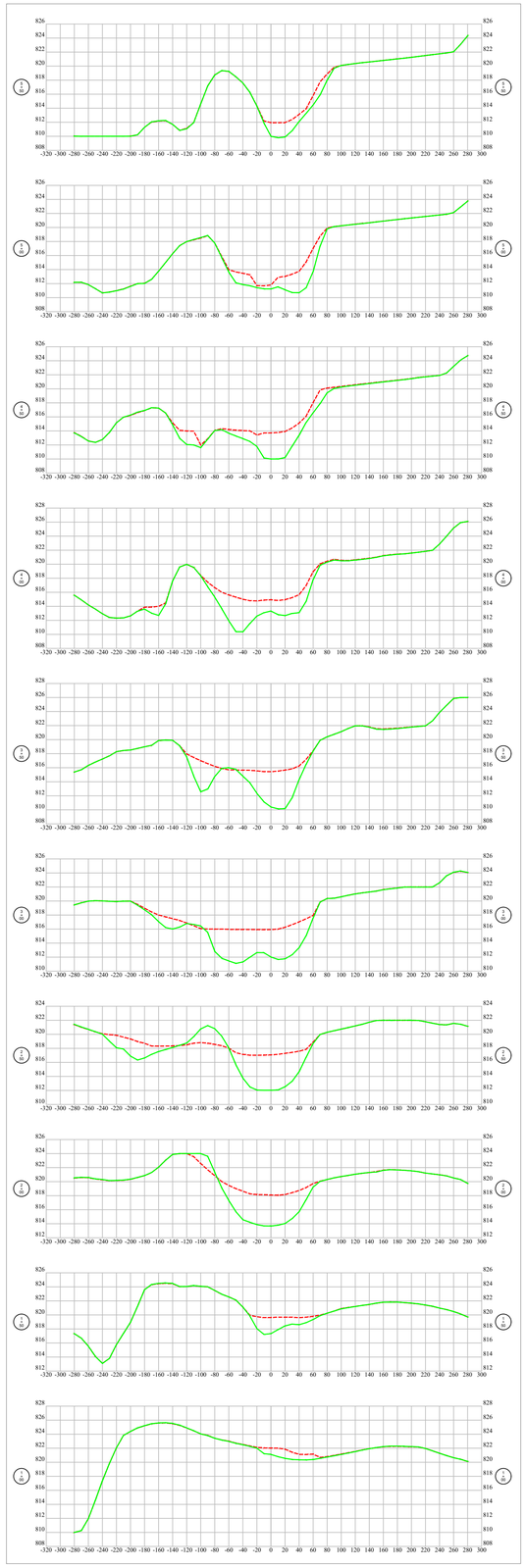
SHEET NUMBER:

C-108

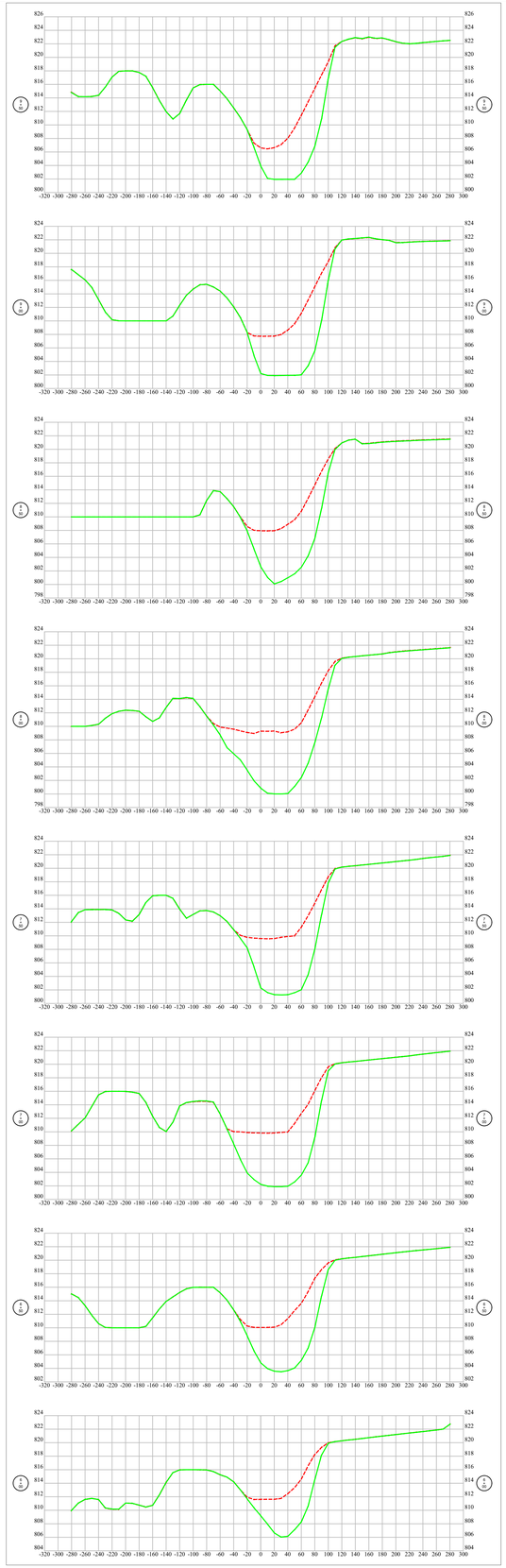
11 OF 21 SHEETS
09/01/2022



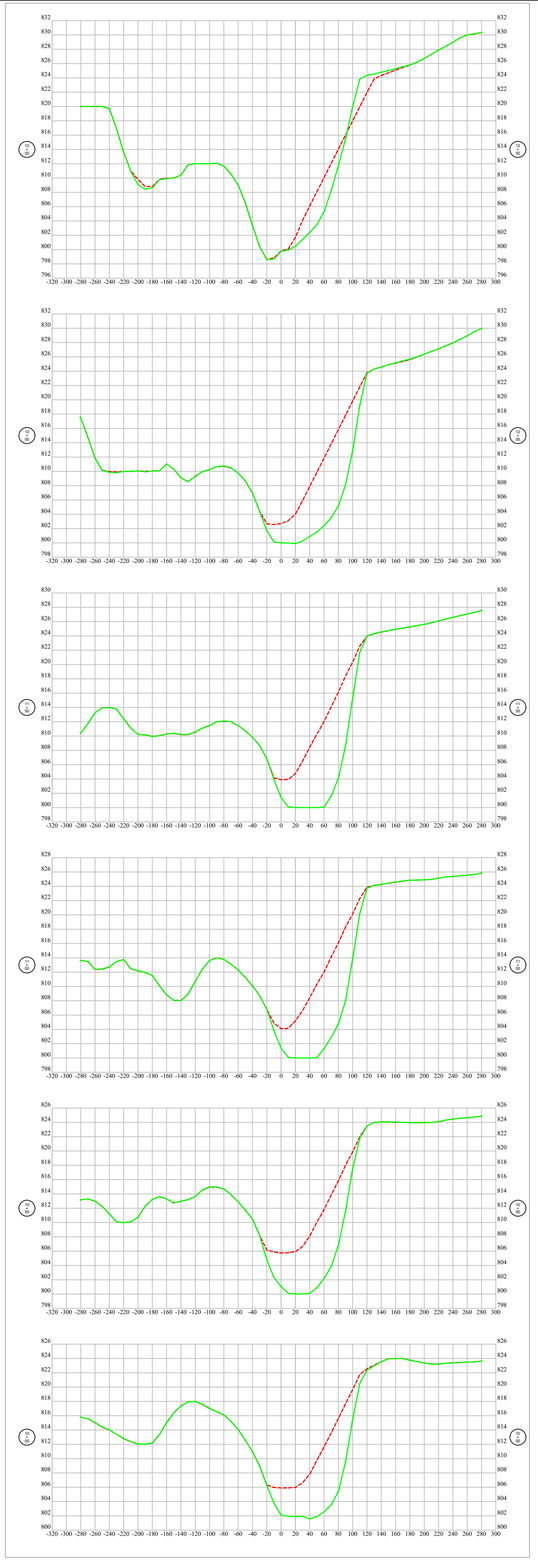
Baseline 4-A



Baseline 4-B



Baseline 4-B



Baseline 4-B

LEGEND

Existing Grade

Design Grade

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

STATE OF MISSOURI
BRENT EDWARD WILLEFORD
NUMBER
PE-2007020346
09/01/2022
PROFESSIONAL ENGINEER

MISSOURI
DEPARTMENT OF NATURAL RESOURCES

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

MO. DEPARTMENT OF
NATURAL RESOURCES
LAND RECLAMATION
PROGRAM

Horn Branch Reclamation Project

FACILITY: NOT APPLICABLE

Henry County, Missouri

PROJECT # Y2204-01
SITE # N/A
FACILITY # N/A

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 09/01/2022

CAD DWG FILE:
DRAWN BY: BEW
CHECKED BY: LRP
DESIGNED BY: BEW

SHEET TITLE:

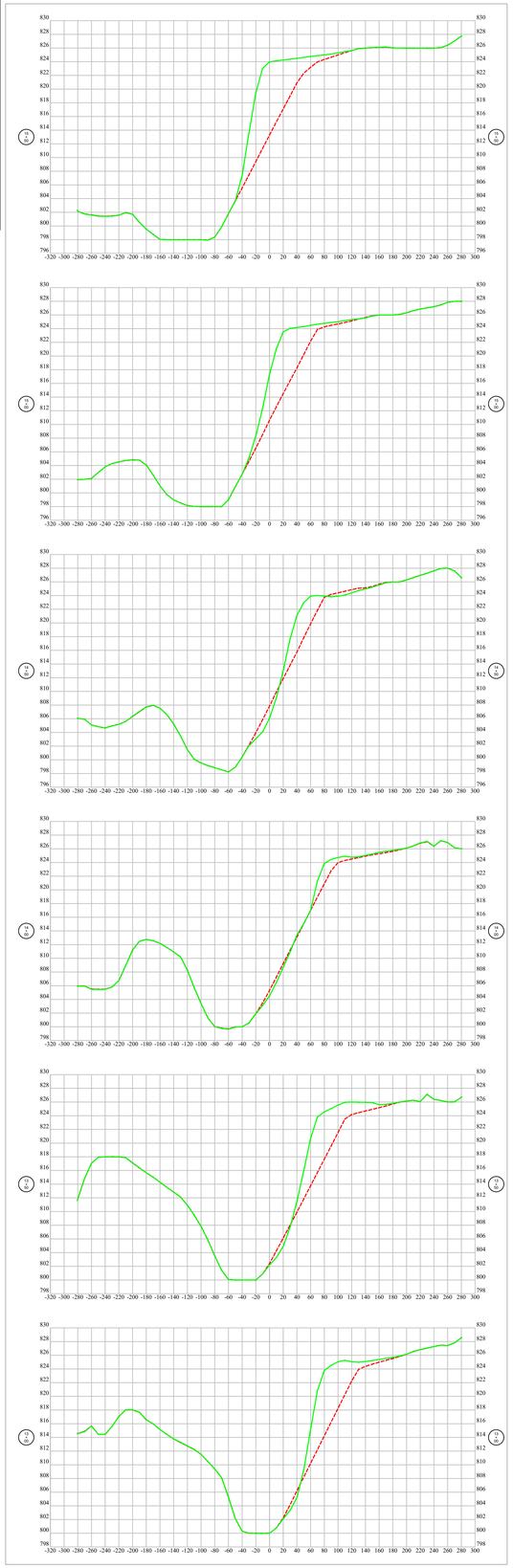
CROSS SECTIONS

BASELINE-4A Sta 13+00 to Sta 15+00
BASELINE-4B Sta 1+00 to Sta 12+50

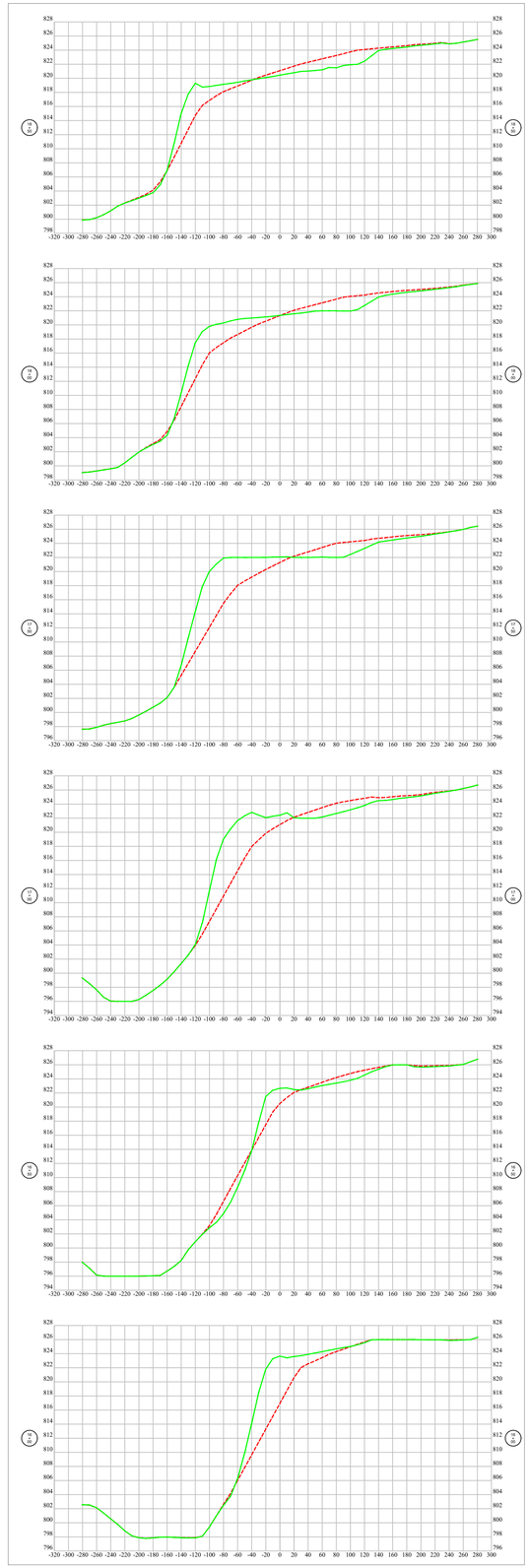
SHEET NUMBER:

C-109

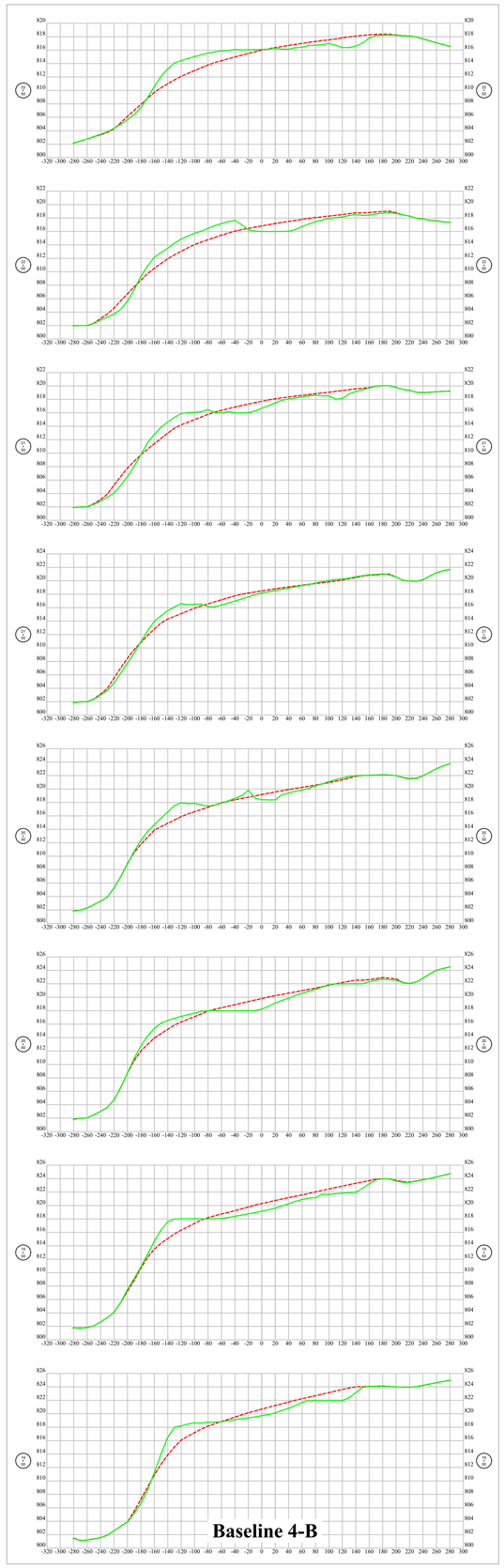
12 OF 21 SHEETS
09/01/2022



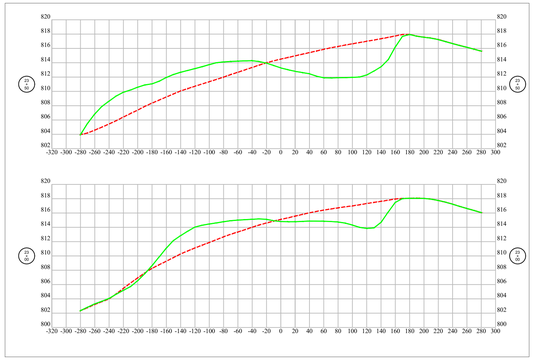
Baseline 4-B



Baseline 4-B



Baseline 4-B



Baseline 4-B

LEGEND

Existing Grade

Design Grade

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

STATE OF MISSOURI
BRENT EDWARD WILLEFORD
NUMBER PE-2007020346
09/01/2022
PROFESSIONAL ENGINEER

MISSOURI
DEPARTMENT OF NATURAL RESOURCES

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

MO. DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION PROGRAM

Horn Branch Reclamation Project

FACILITY: NOT APPLICABLE

Henry County, Missouri

PROJECT # Y2204-01
SITE # N/A
FACILITY # N/A

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 09/01/2022

CAD DWG FILE:
DRAWN BY: BEW
CHECKED BY: LRP
DESIGNED BY: BEW

SHEET TITLE:
CROSS SECTIONS
BASELINE-4B Sta 13+00 to Sta 23+50

SHEET NUMBER:

C-110

13 OF 21 SHEETS
09/01/2022

Baseline 4-B

Baseline 4-B

LEGEND

Existing Grade

Design Grade

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

STATE OF MISSOURI
BRENT EDWARD WILLEBORD
NUMBER PE-2007020346
09/01/2022
PROFESSIONAL ENGINEER

MISSOURI
DEPARTMENT OF NATURAL RESOURCES

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

MO. DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION PROGRAM

Horn Branch Reclamation Project

FACILITY: NOT APPLICABLE

Henry County, Missouri

PROJECT # Y2204-01
SITE # N/A
FACILITY # N/A

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 09/01/2022

CAD DWG FILE:
DRAWN BY: BEW
CHECKED BY: LRP
DESIGNED BY: BEW

SHEET TITLE:

CROSS SECTIONS

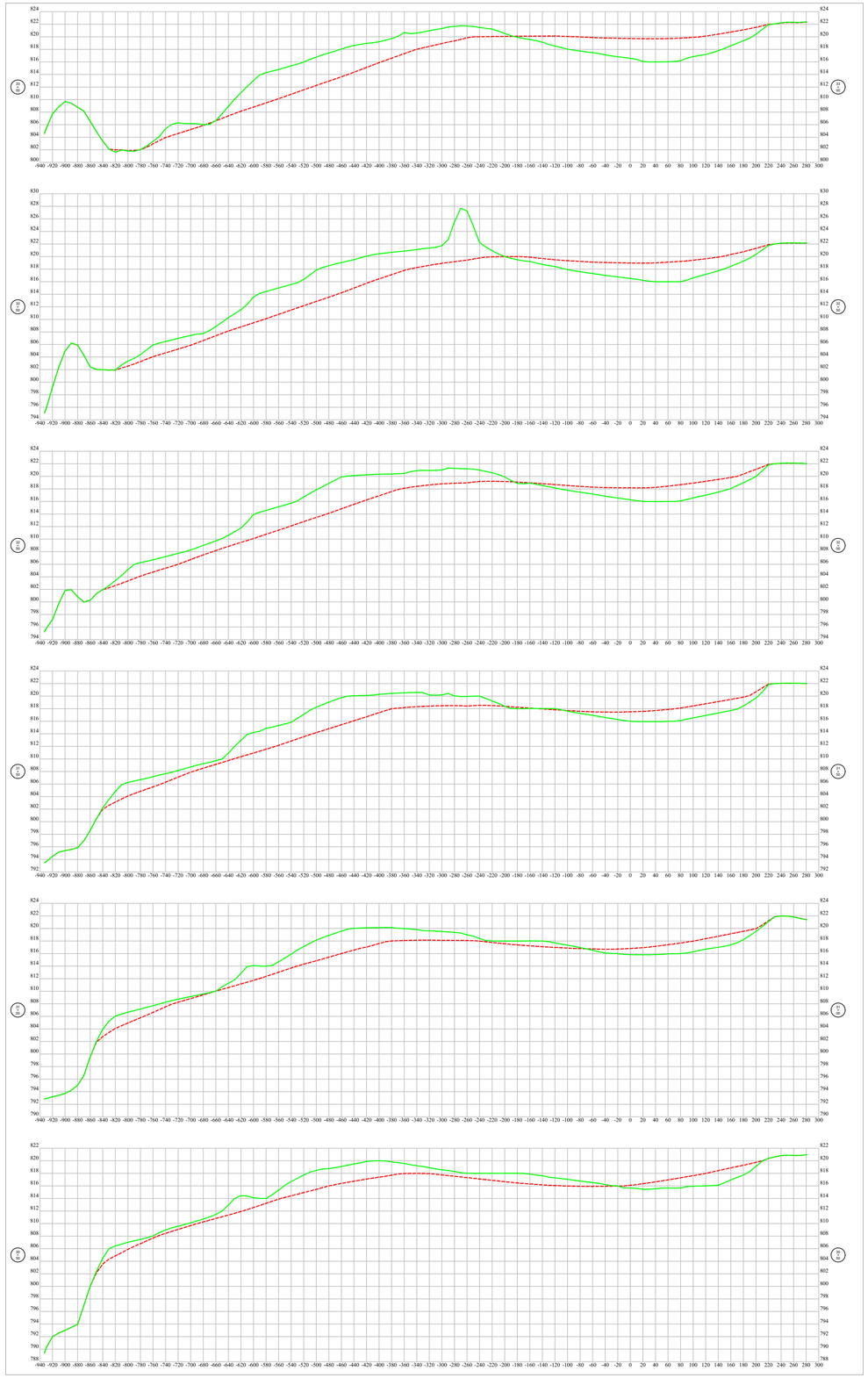
BASELINE-4B Sta 24+00 to Sta 27+50

SHEET NUMBER:

C-111

14 OF 21 SHEETS
09/01/2022

Baseline 4-B



Baseline 4-B

LEGEND

Existing Grade

Design Grade

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

STATE OF MISSOURI
BRENT EDWARD WILLEFORD
NUMBER PE-2007020346
09/01/2022
PROFESSIONAL ENGINEER

MISSOURI
DEPARTMENT OF NATURAL RESOURCES

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DESIGN AND CONSTRUCTION

MO. DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION PROGRAM

Horn Branch Reclamation Project

FACILITY: NOT APPLICABLE

Henry County, Missouri

PROJECT # Y2204-01
SITE # N/A
FACILITY # N/A

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:

ISSUE DATE: 09/01/2022

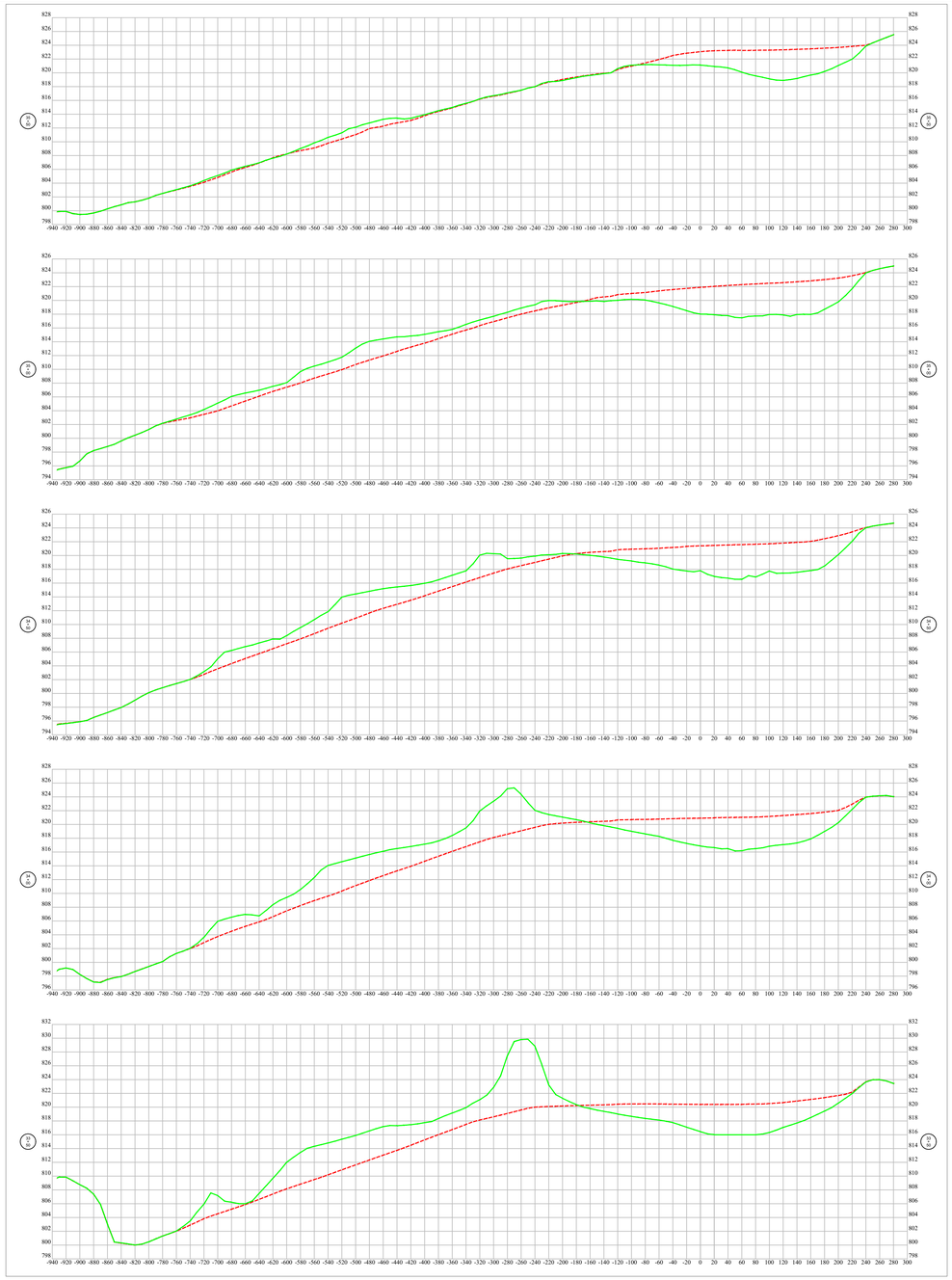
CAD DWG FILE:
DRAWN BY: BEW
CHECKED BY: LRP
DESIGNED BY: BEW

SHEET TITLE:
CROSS SECTIONS
BASELINE-4B Sta 28+00 to Sta 33+00

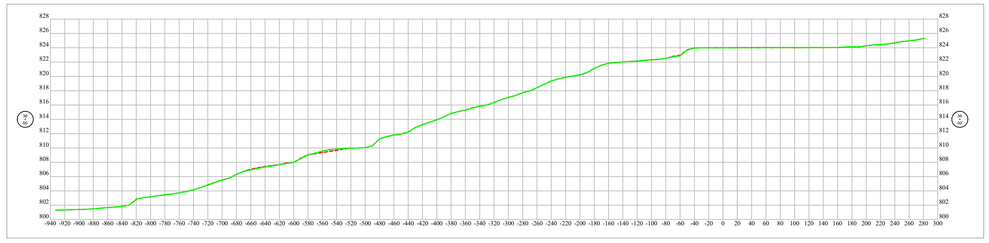
SHEET NUMBER:

C-112

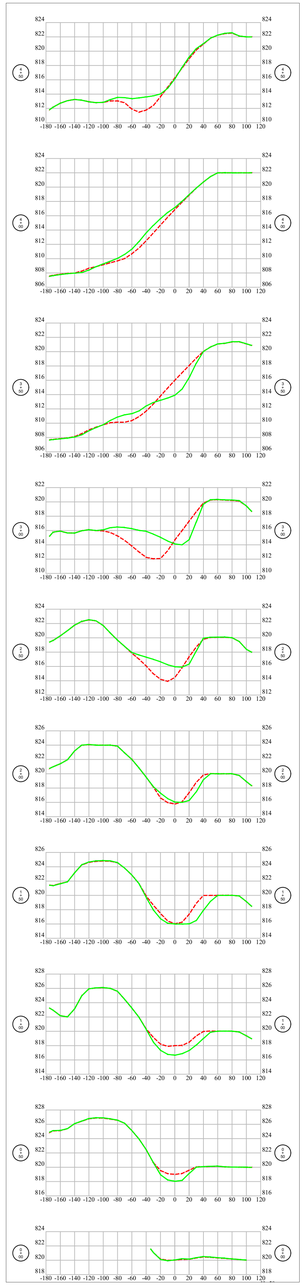
15 OF 21 SHEETS
09/01/2022



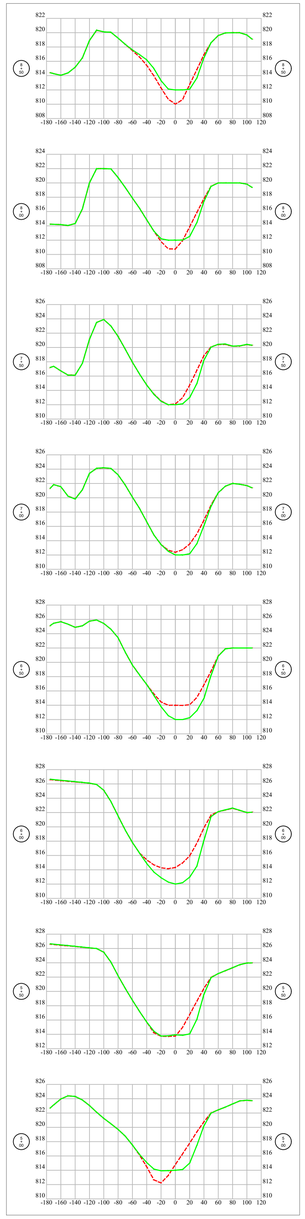
Baseline 4-B



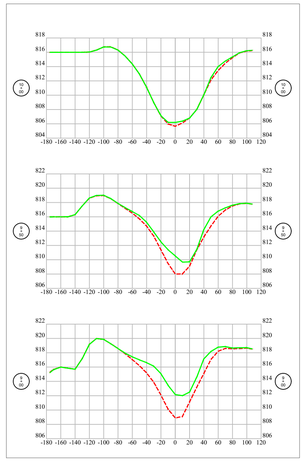
Baseline 4-B



Baseline 5



Baseline 5



Baseline 5

LEGEND

Existing Grade

Design Grade

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

STATE OF MISSOURI
BRENT EDWARD WILLEFORD
NUMBER PE-2007020346
09/01/2022
PROFESSIONAL ENGINEER

MISSOURI
DEPARTMENT OF NATURAL RESOURCES

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

MO. DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION PROGRAM

Horn Branch Reclamation Project

FACILITY: NOT APPLICABLE

Henry County, Missouri

PROJECT # Y2204-01
SITE # N/A
FACILITY # N/A

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 09/01/2022

CAD DWG FILE:
DRAWN BY: BEW
CHECKED BY: LRP
DESIGNED BY: BEW

SHEET TITLE:

CROSS SECTIONS

BASELINE-4B Sta 33+50 to Sta 36+00
BASELINE-5 Sta 0+00 to Sta 10+00

SHEET NUMBER:

C-113

16 OF 21 SHEETS
09/01/2022

Baseline 6

Baseline 6

LEGEND

Existing Grade

Design Grade

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

STATE OF MISSOURI
BRENT EDWARD WILLEFORD
NUMBER PE-2007020346
09/01/2022
PROFESSIONAL ENGINEER

MISSOURI
DEPARTMENT OF NATURAL RESOURCES

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

MO. DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION PROGRAM

Horn Branch Reclamation Project

FACILITY: NOT APPLICABLE

Henry County, Missouri

PROJECT # Y2204-01
SITE # N/A
FACILITY # N/A

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 09/01/2022

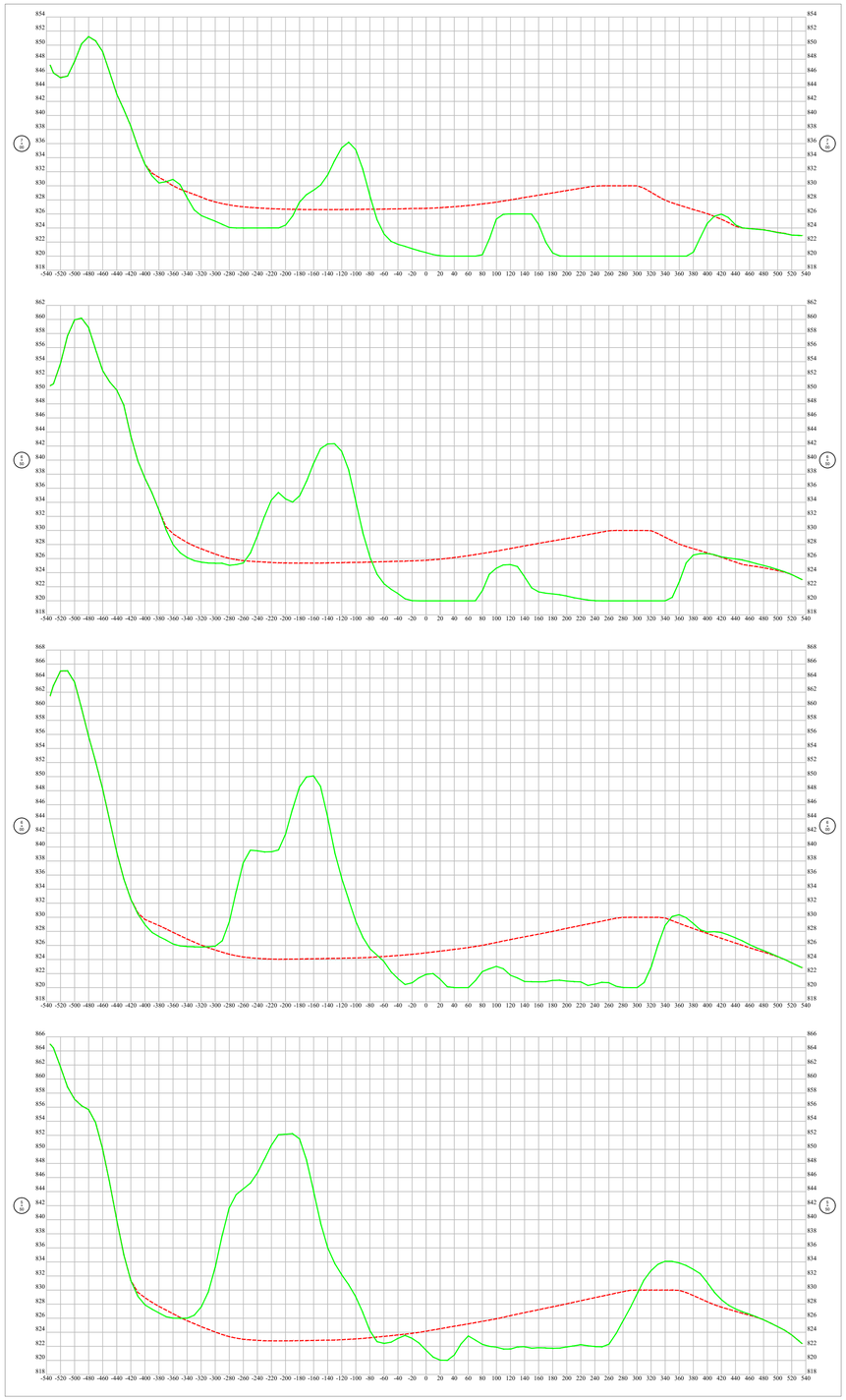
CAD DWG FILE:
DRAWN BY: BEW
CHECKED BY: LRP
DESIGNED BY: BEW

SHEET TITLE:
CROSS SECTIONS
BASELINE-6 Sta 0+50 to Sta 5+00

SHEET NUMBER:

C-114

17 OF 21 SHEETS
09/01/2022



Baseline 6

Baseline 6

LEGEND

Existing Grade

Design Grade

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

STATE OF MISSOURI
BRENT EDWARD WILLEFORD
NUMBER
PE-2007020346
09/01/2022
PROFESSIONAL ENGINEER

MISSOURI
DEPARTMENT OF NATURAL RESOURCES

OFFICE OF ADMINISTRATION
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DESIGN AND CONSTRUCTION

MO. DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION PROGRAM

Horn Branch Reclamation Project

FACILITY: NOT APPLICABLE

Henry County, Missouri

PROJECT # Y2204-01
SITE # N/A
FACILITY # N/A

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 09/01/2022

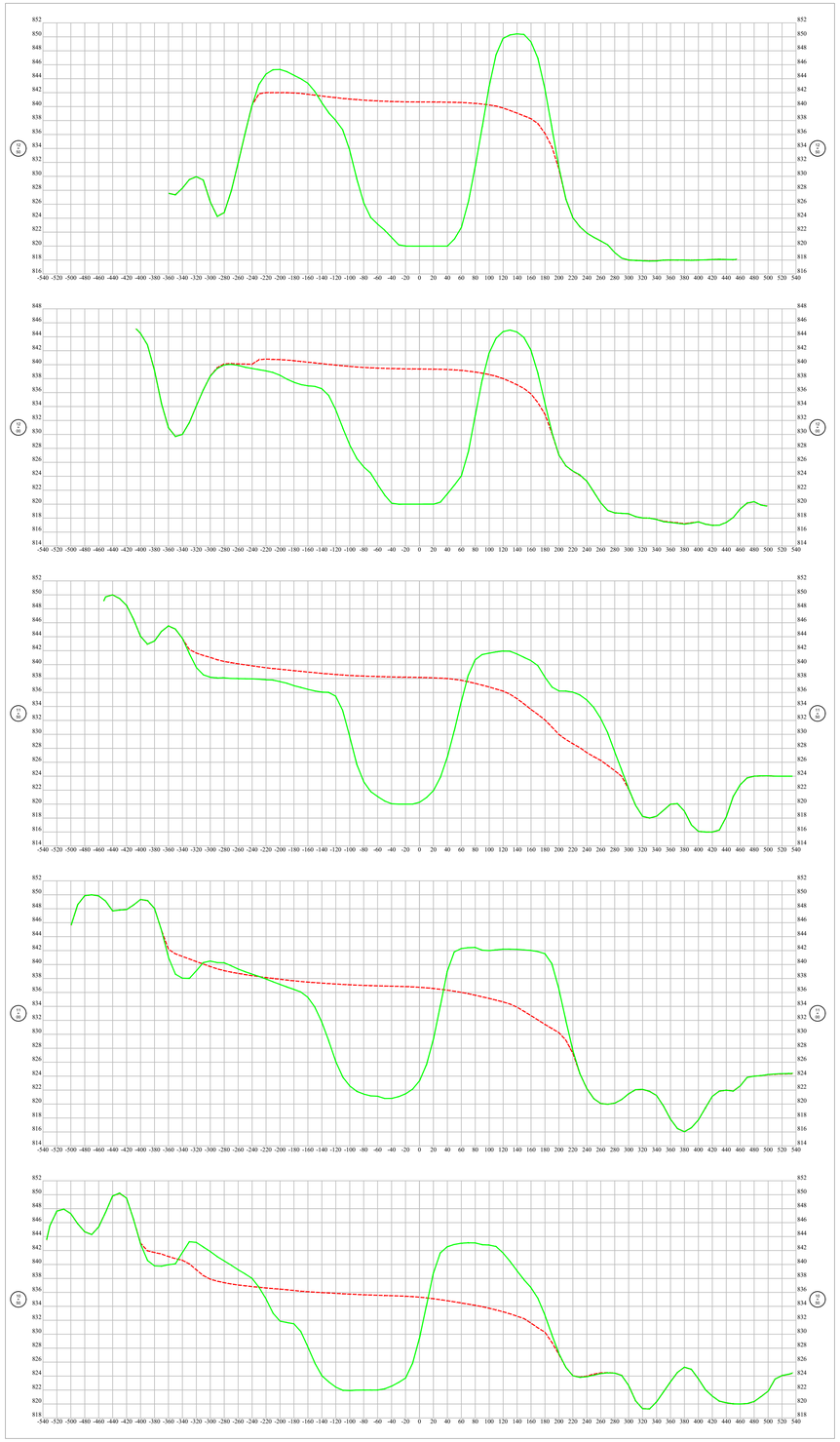
CAD DWG FILE:
DRAWN BY: BEW
CHECKED BY: LRP
DESIGNED BY: BEW

SHEET TITLE:
CROSS SECTIONS
BASELINE-6 Sta 5+50 to Sta 10+00

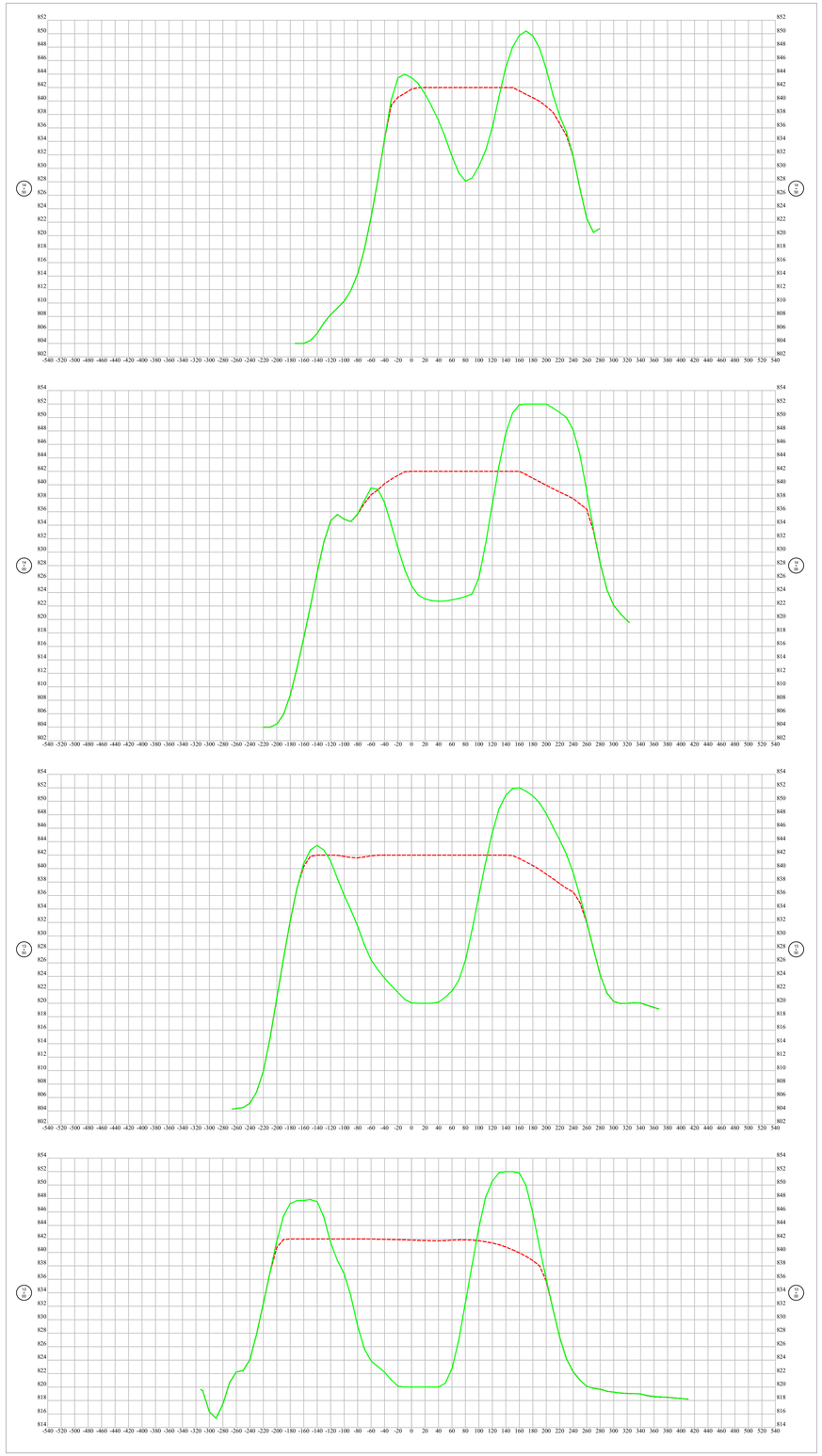
SHEET NUMBER:

C-115

18 OF 21 SHEETS
09/01/2022



Baseline 6



Baseline 6

LEGEND

Existing Grade

Design Grade

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

STATE OF MISSOURI
BRENT EDWARD WILLEDRED
NUMBER PE-2007020346
09/01/2022
PROFESSIONAL ENGINEER

MISSOURI
DEPARTMENT OF NATURAL RESOURCES

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

MO. DEPARTMENT OF
NATURAL RESOURCES
LAND RECLAMATION
PROGRAM

Horn Branch Reclamation Project

FACILITY: NOT APPLICABLE

Henry County, Missouri

PROJECT # Y2204-01
SITE # N/A
FACILITY # N/A

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 09/01/2022

CAD DWG FILE:
DRAWN BY: BEW
CHECKED BY: LRP
DESIGNED BY: BEW

SHEET TITLE:

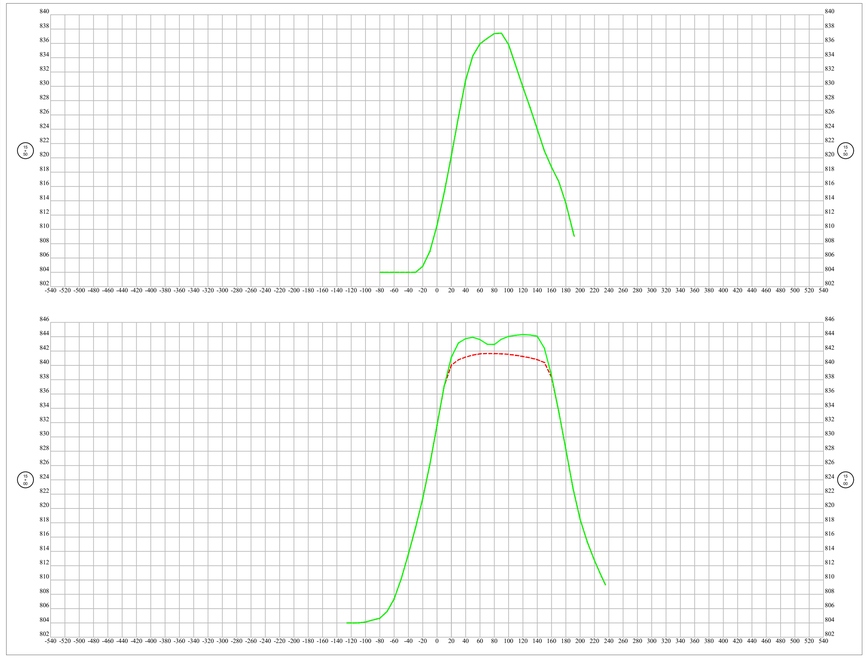
CROSS SECTIONS

BASELINE-6 Sta 10+50 to Sta 14+50

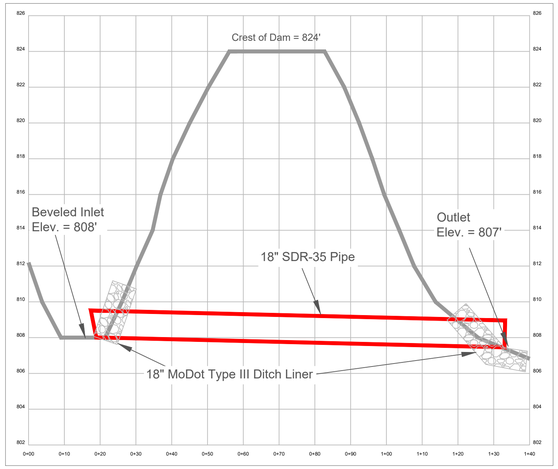
SHEET NUMBER:

C-116

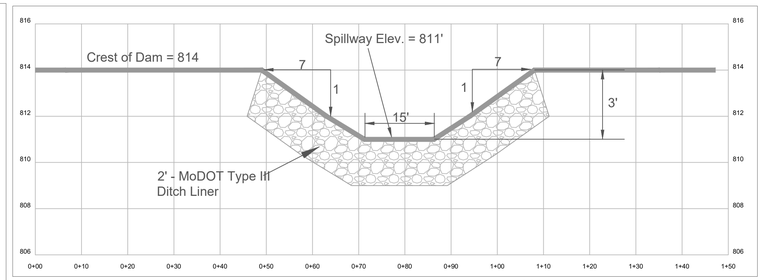
19 OF 21 SHEETS
09/01/2022



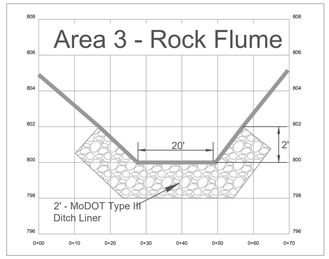
Baseline 6

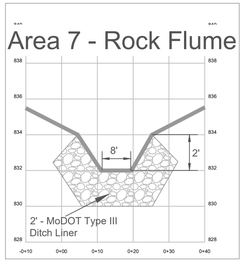


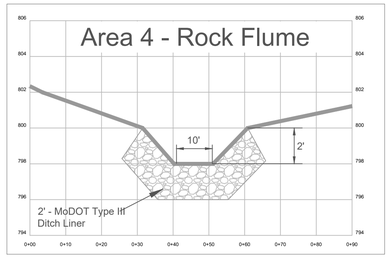
Area -1 Primary Spillway Pipe



Area -1 Dam Emergency Spillway







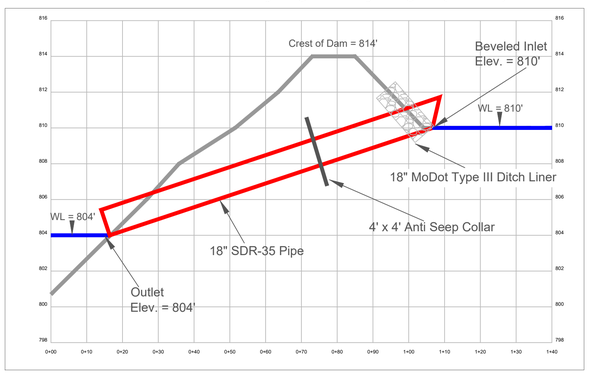
Area - 4 Emergency Spillway

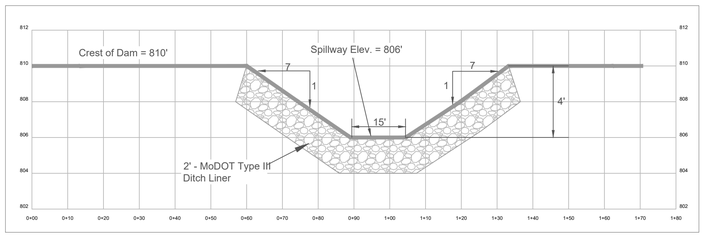
LEGEND

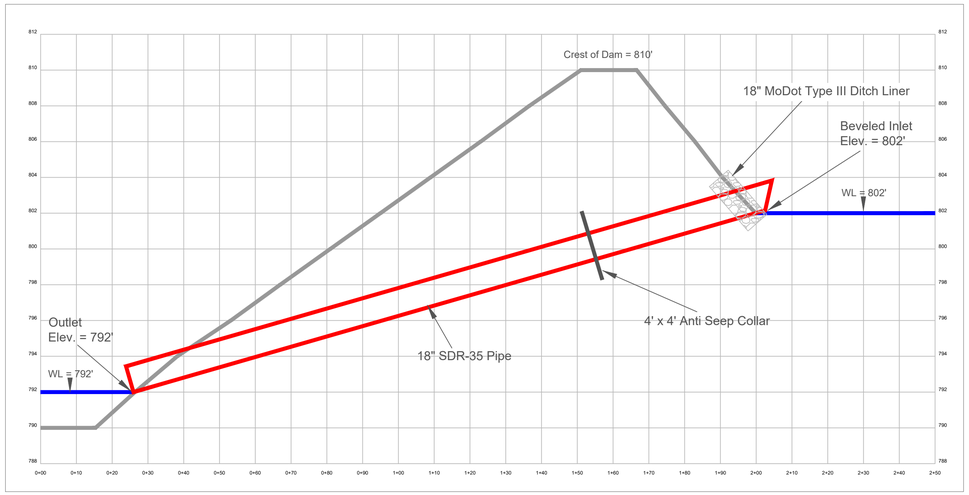
Existing Grade

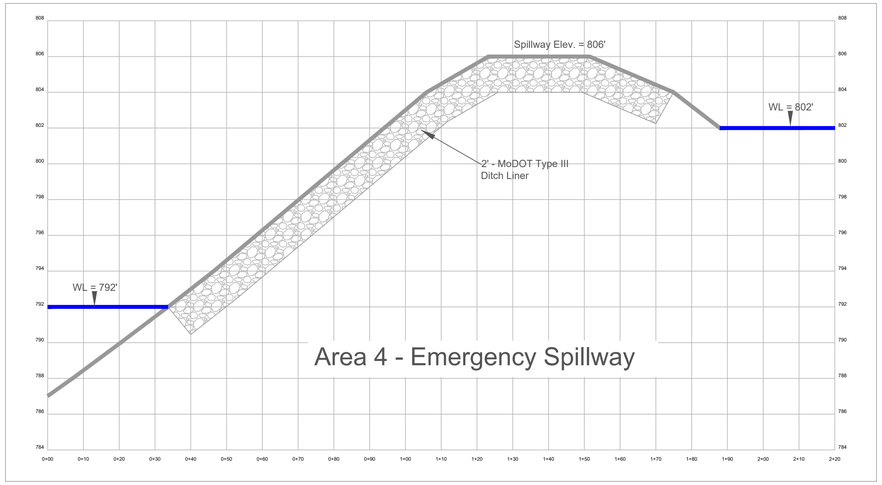
Design Grade

Area 4 - Primary Spillway Pipe (West)









Area 4 - Emergency Spillway

STATE OF MISSOURI
MICHAEL L. PARSON, GOVERNOR

STATE OF MISSOURI
BRENT EDWARD WILLEFORD
NUMBER PE-2007020346
09/01/2022
PROFESSIONAL ENGINEER

MISSOURI
DEPARTMENT OF NATURAL RESOURCES

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

MO. DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION PROGRAM

Horn Branch Reclamation Project

FACILITY: NOT APPLICABLE

Henry County, Missouri

PROJECT # Y2204-01
SITE # N/A
FACILITY # N/A

REVISION:
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DATE:
REVISION:
DATE:
ISSUE DATE: 09/01/2022

CAD DWG FILE:
DRAWN BY: BEW
CHECKED BY: LRP
DESIGNED BY: BEW

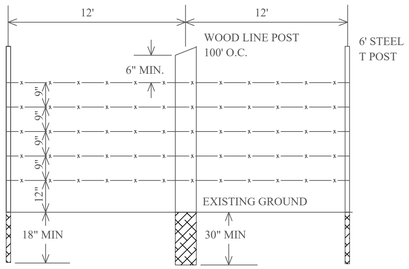
SHEET TITLE:
CROSS SECTIONS
BASELINE-6 Sta 15+00 to Sta 15+50

Details - Dams & Spillways
Areas 1- 7

SHEET NUMBER:

C-117

20 OF 21 SHEETS
09/01/2022

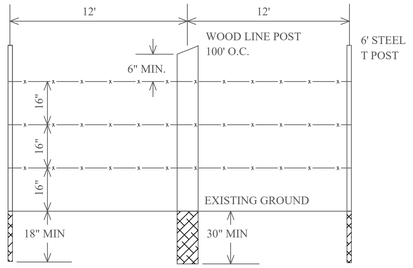


FENCE DETAIL

NOT TO SCALE

NOTES

1. WOOD LINE POSTS SHALL BE A MINIMUM OF 4" DIAMETER AT THE SMALL END.
2. BARBED WIRE SHALL BE 5 STRANDS OF 12.5 GAGE, 4 POINT.

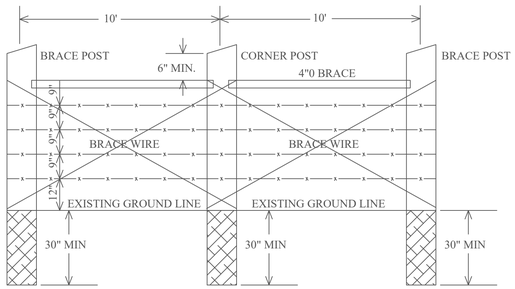


INTERIOR FENCE DETAIL

NOT TO SCALE

NOTES

1. WOOD LINE POSTS SHALL BE A MINIMUM OF 4" DIAMETER AT THE SMALL END.
2. BARBED WIRE SHALL BE 3 STRANDS OF 12.5 GAGE, 4 POINT.

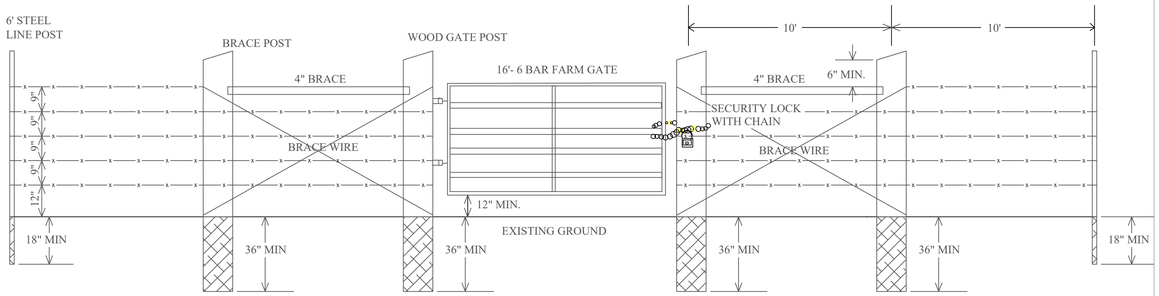


CORNER & ANGLE POINT POST

NOT TO SCALE

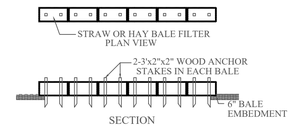
NOTES

1. BRACE AND CORNER POSTS SHALL BE A MINIMUM OF 8" DIAMETER AT THE SMALL END.
2. BARBED WIRE SHALL BE 5 STRANDS OF 12.5 GAGE, 4 POINT.
3. 4" DIAMETER WOOD BRACE SHALL BE NOTCHED INTO BRACE AND CORNER POSTS.
4. BRACE WIRE SHALL BE 9 GAGE.



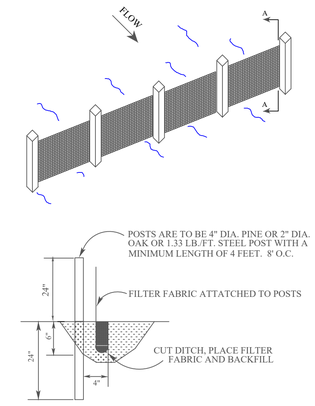
TYPE 1 GATE

Not to Scale



HAY OR STRAW BALE FILTER

NOT TO SCALE



SECTION A-A

GEOTEXTILE SILT FENCE

NOT TO SCALE

STATE OF MISSOURI
MICHAEL L. PARSON, GOVERNOR

STATE OF MISSOURI
BRENT EDWARD WILLEFORD
NUMBER PE-2007020346
09/01/2022
PROFESSIONAL ENGINEER

MISSOURI
DEPARTMENT OF NATURAL RESOURCES

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

MO. DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION PROGRAM

Horn Branch Reclamation Project

FACILITY: NOT APPLICABLE

Henry County, Missouri

PROJECT # Y2204-01
SITE # N/A
FACILITY # N/A

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 09/01/2022

CAD DWG FILE:
DRAWN BY: BEW
CHECKED BY: LRP
DESIGNED BY: BEW

SHEET TITLE:
DETAILS
Interior Fence
Perimeter Fence
Silt Fence / Straw Bales
Type - 1 Gate

SHEET NUMBER:

D-100

21 OF 21 SHEETS
09/01/2022