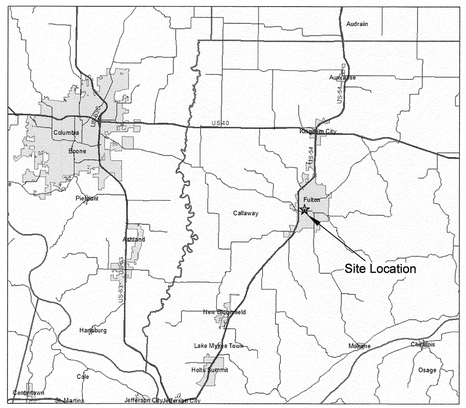
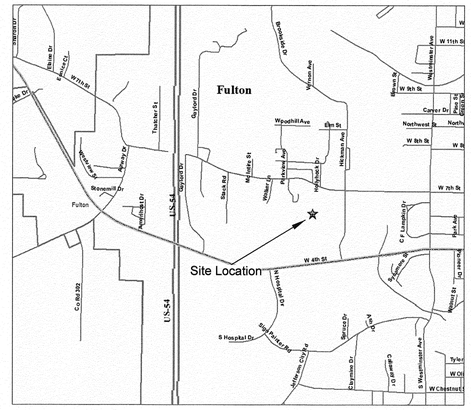
Westminster
Reclamation Project
Callaway County, Missouri





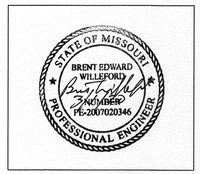
INDEX OF SHEETS

SHEET	CONTENTS
G-100	COVER SHEET
G-101	EXISTING CONDITIONS
C-100	PLAN VIEW
C-101	CROSS SECTIONS BASELINE-1 Sta 0+50 to Sta 3+50
C-102	CROSS SECTIONS BASELINE-1 Sta 3+75 to Sta 6+50
C-103	CROSS SECTIONS BASELINE-1 Sta 6+75 to Sta 9+00
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: Y2002-01

SHEET NUMBER:
G-100
1 OF 7 SHEETS
March 01, 2020

Westminster Reclamation Project

Scale: 1" = 50'

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.

Legend

- Existing Contours
- Roads
- Property Line
- Disturbance Limits
- Existing Water Edge
- Construction Debris
- Control Point
- Building

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

STATE OF MISSOURI
BRENT EDWARD WILKERSON
NUMBER PE-2007020346
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

Westminster Reclamation Project

FACILITY: NOT APPLICABLE

Callaway County, Missouri

PROJECT # Y2002-01
SITE # N/A
FACILITY # N/A

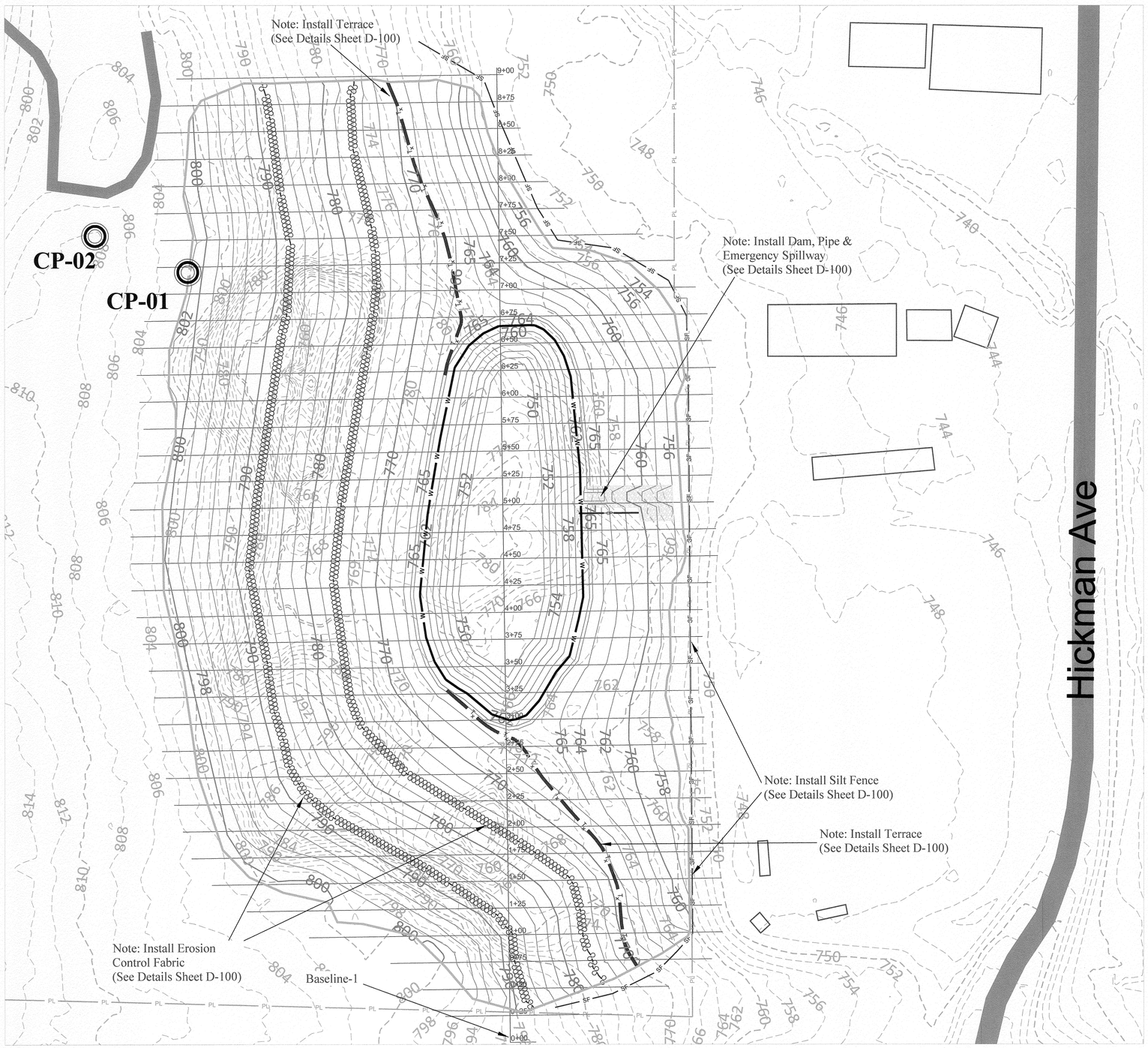
REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 3/01/2020

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

SHEET TITLE:
Existing Conditions

SHEET NUMBER:
G-101
2 OF 7 SHEETS
3/01/2020

Westminster Reclamation Project



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	14109345.11	1935766.16	803.15	2" Aluminum Cap
CP-02	14109378.76	1935686.68	807.70	2" Aluminum Cap

BASELINE DATA			
BASELINE #	STATION #	NORTHING UTM ZONE-15 (FT)	EASTING UTM ZONE-15 (FT)
BASELINE - 1	0+00	14108629.11	1936067.21
BASELINE - 1	9+00	14109535.35	1936054.99

Legend

- Existing Contour
- Design Contour
- Roads
- Property Line
- Drainage Terrace
- Silt Fence
- Disturbance Limits
- New Water Edge
- Primary Spillway Pipe
- Erosion Control Fabric
- Control Point
- MoDot Type II Aggregate
- Building

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

STATE OF MISSOURI
BRENT EDWARD WILLEFORD
NUMBER PE-2007020346
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

Westminster Reclamation Project

FACILITY: NOT APPLICABLE

Callaway County, Missouri

PROJECT # Y2002-01
SITE # N/A
FACILITY # N/A

REVISION:
DATE:
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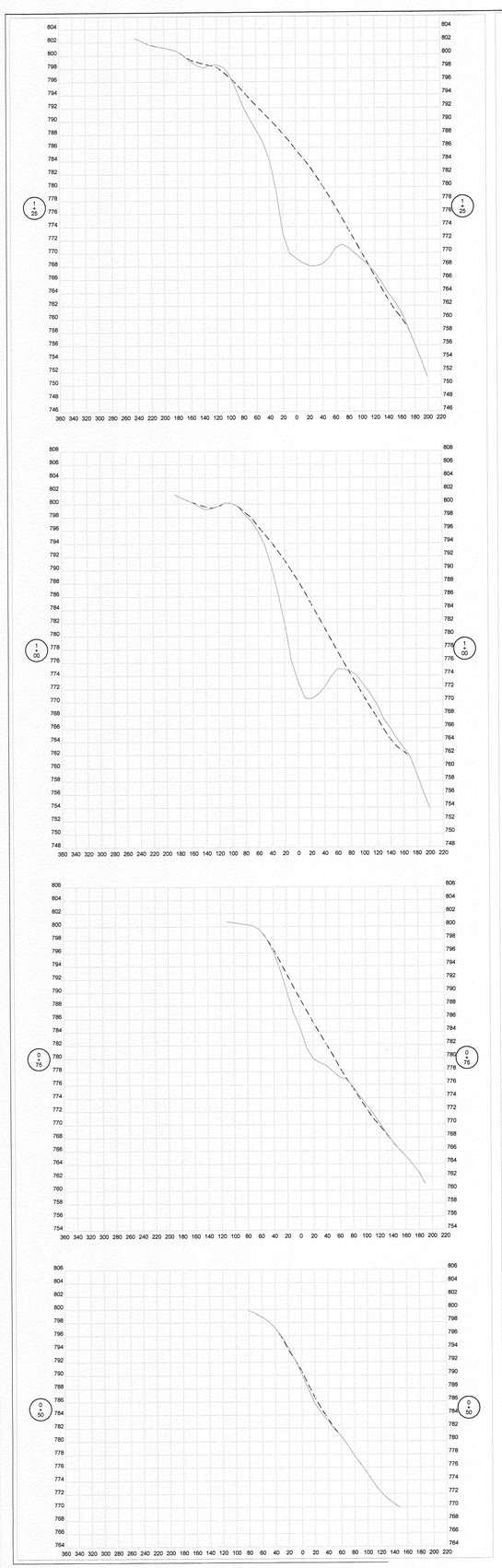
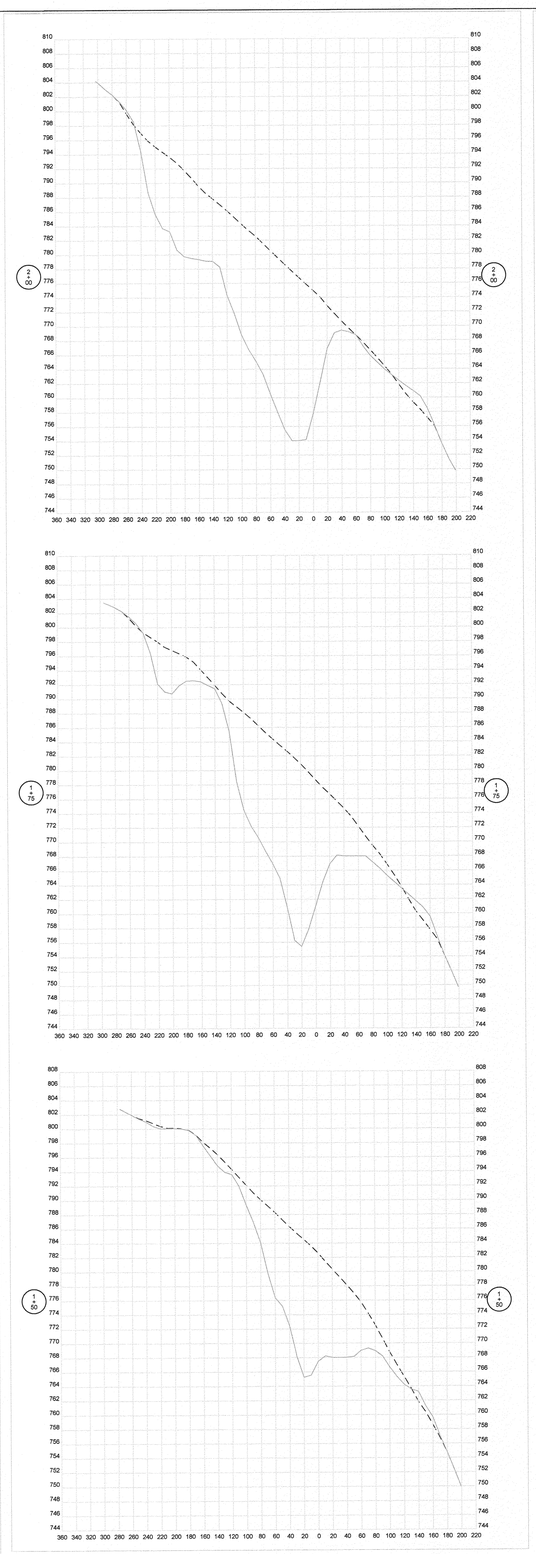
DATE:
REVISION:
DATE:
ISSUE DATE: 3/01/2020

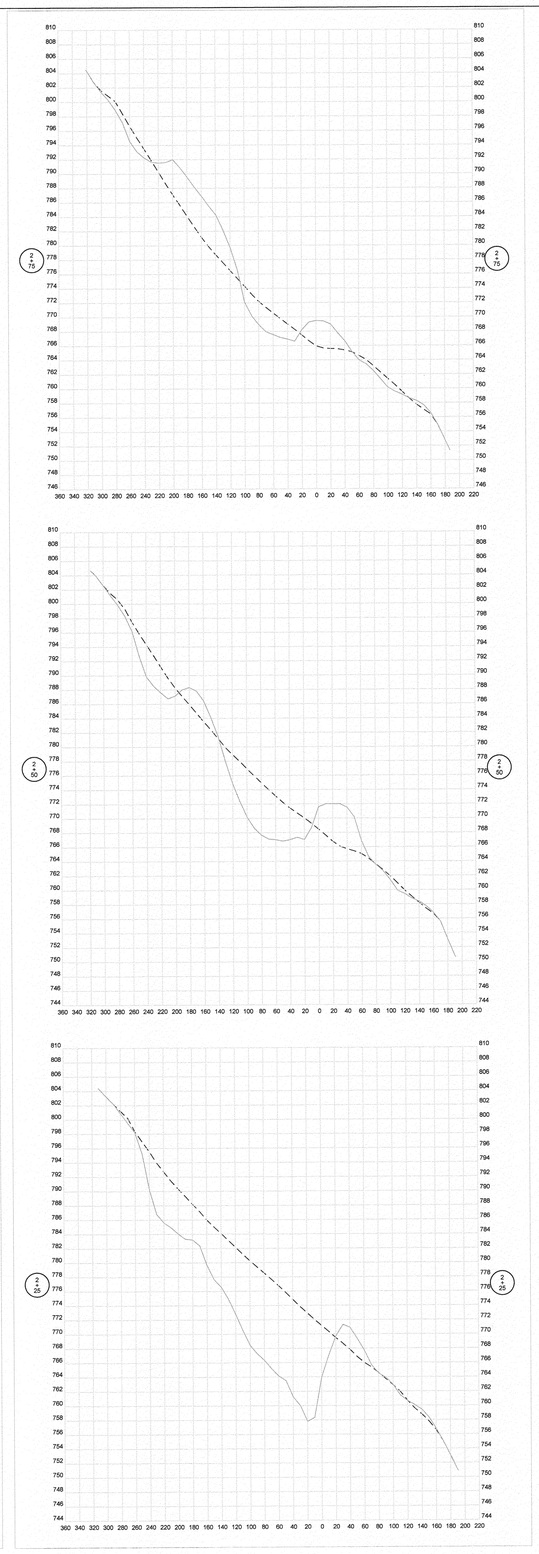
CAD DWG FILE:
DRAWN BY: BEW
CHECKED BY: LRP
DESIGNED BY: BEW

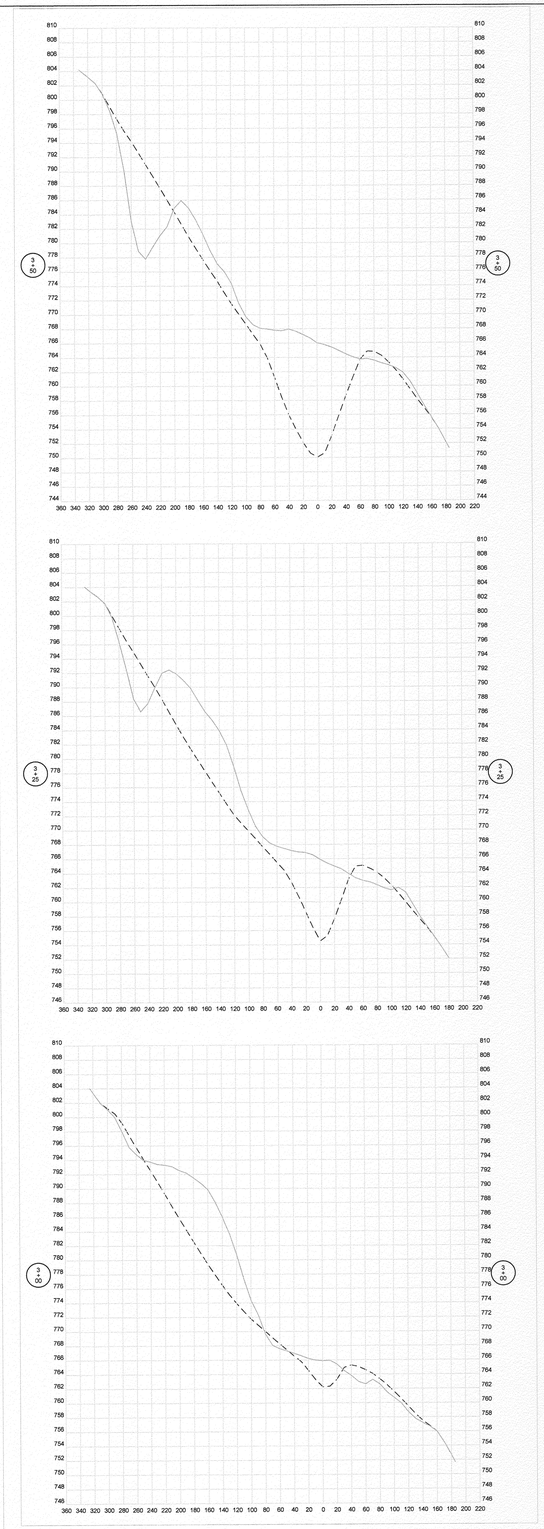
SHEET TITLE:
Plan View

SHEET NUMBER:
C-100
3 OF 7 SHEETS
3/01/2020









Legend

Existing Grade

Design Grade

Legend

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

STATE OF MISSOURI
BRENT EDWARD WILLEFORD
NUMBER
PE-2007020346
PROFESSIONAL ENGINEER

MISSOURI
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OFFICE OF ADMINISTRATION
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DESIGN AND CONSTRUCTION

MO. DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION PROGRAM

Westminster Reclamation Project

FACILITY: NOT APPLICABLE

Callaway County, Missouri

PROJECT # Y2002-01
SITE # N/A
FACILITY # N/A

REVISION:
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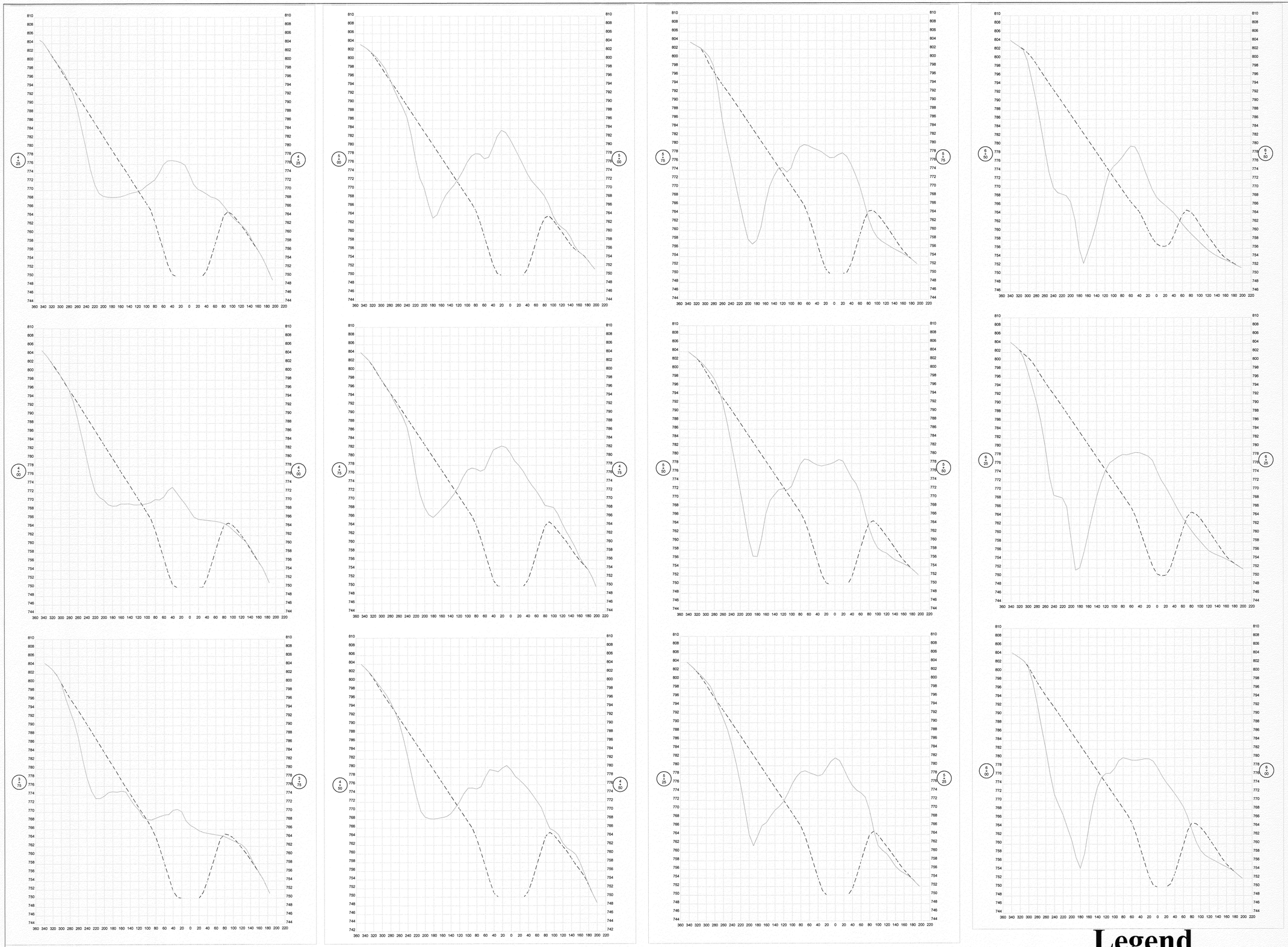
DATE:
REVISION:
DATE:
ISSUE DATE: 3/01/2020

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

SHEET TITLE:
CROSS SECTIONS
BASELINE - 1 Sta 0+50 to Sta 3+50

SHEET NUMBER:
C-101
4 OF 7 SHEETS
3/01/2020



Legend

Existing Grade ———————————

Design Grade -

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

STATE OF MISSOURI
BRENT EDWARD WILLSFORD
3/1/20
NUMBER
PE-2007020346
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

Westminster Reclamation Project

FACILITY: NOT APPLICABLE

Callaway County, Missouri

PROJECT # Y2002-01
SITE # N/A
FACILITY # N/A

REVISION:
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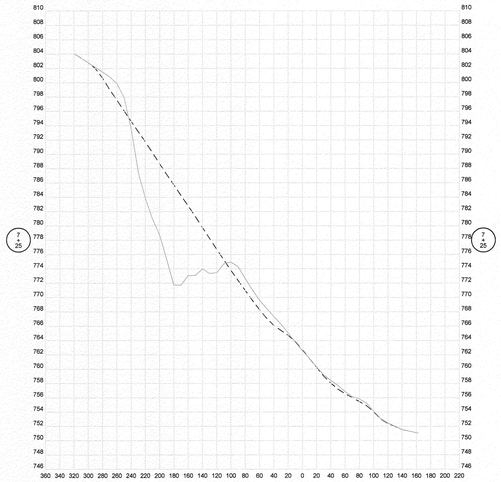
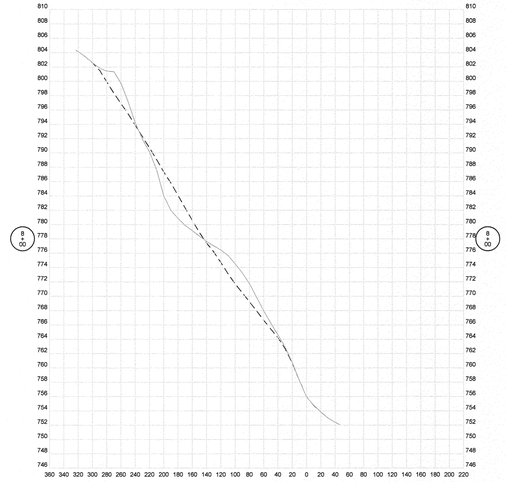
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 3/01/2020

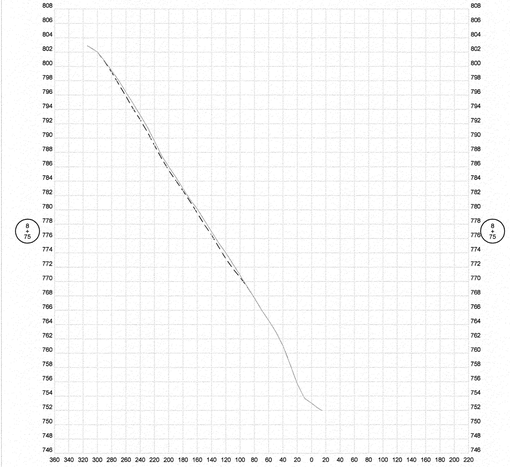
CAD DWG FILE:
DRAWN BY: BEW
CHECKED BY: LRP
DESIGNED BY: BEW

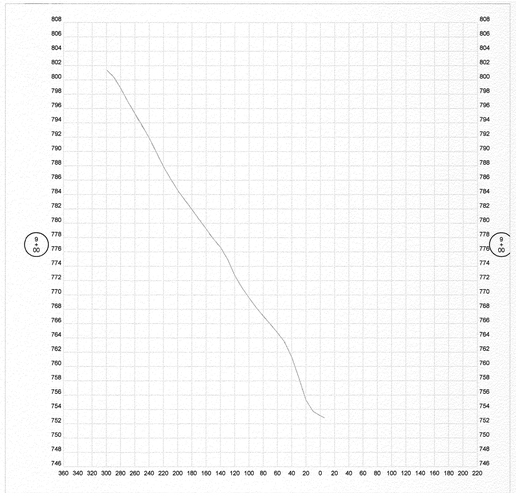
SHEET TITLE:
CROSS SECTIONS
BASELINE - 1 Sta 3+75 to Sta 6+50

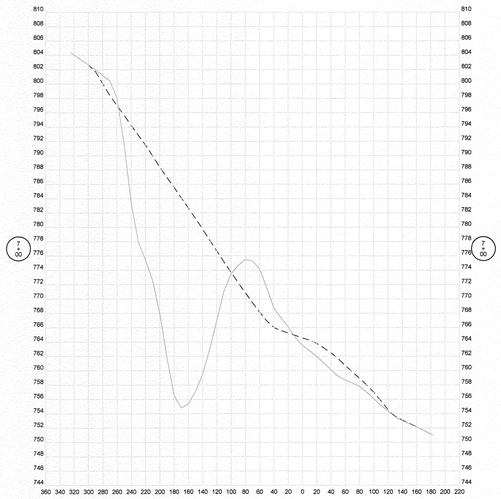
SHEET NUMBER:
C-102
5 OF 7 SHEETS
3/01/2020

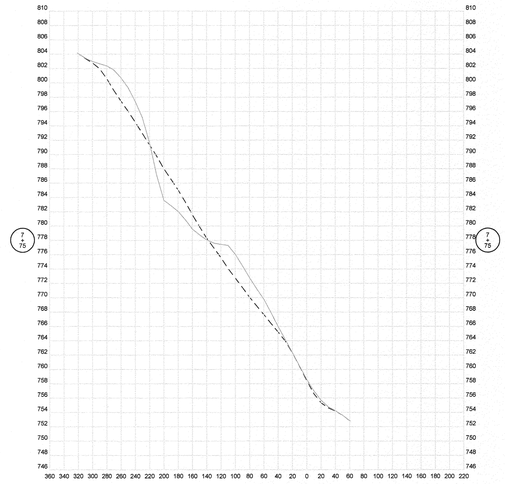


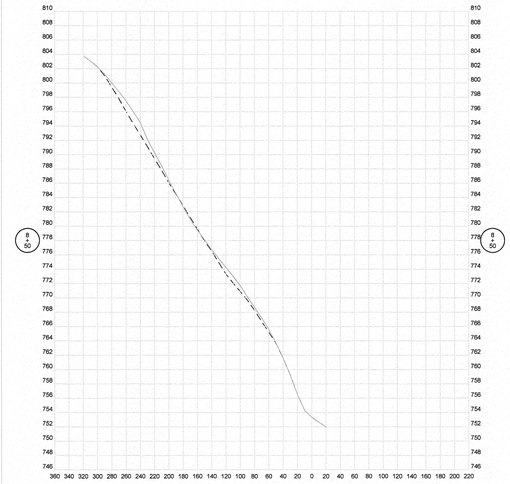


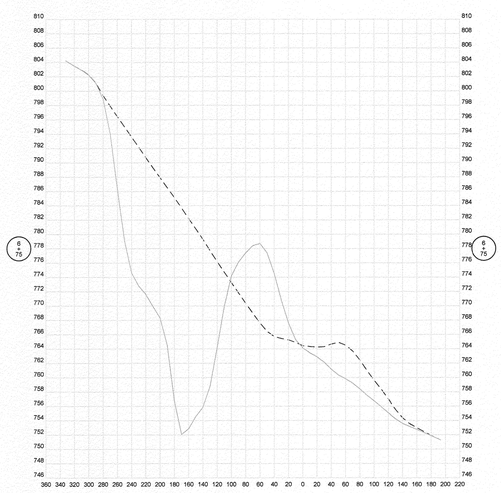


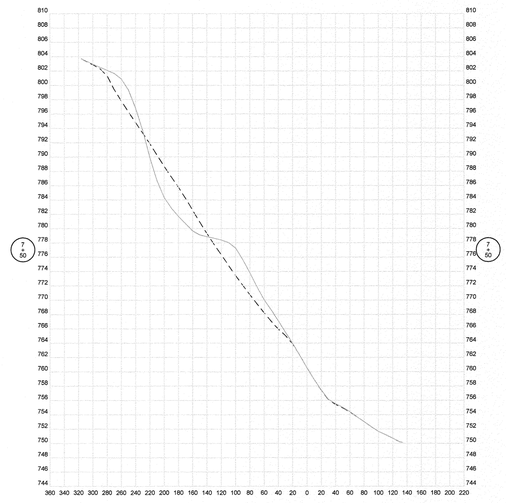


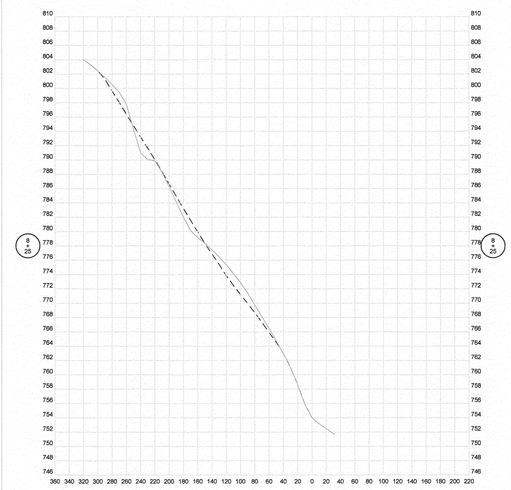












Legend

Existing Grade ————————————

Design Grade -

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

STATE OF MISSOURI
BRENT EDWARD WILLEFORD
NUMBER
PE-2007020346
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

Westminster Reclamation Project

FACILITY: NOT APPLICABLE

Callaway County, Missouri

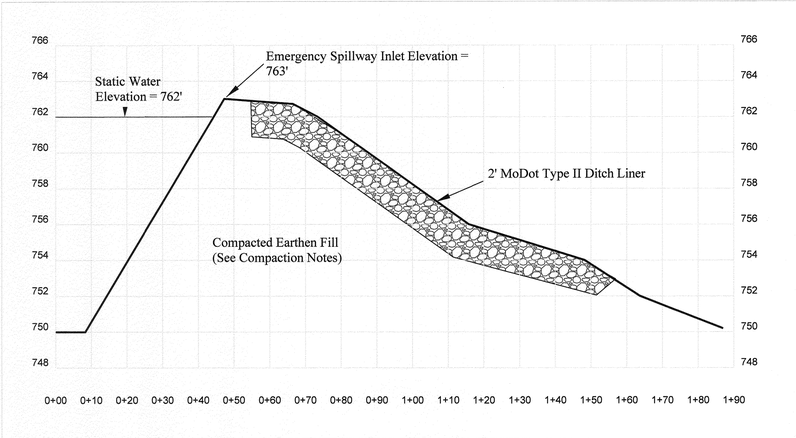
PROJECT # Y2002-01
SITE # N/A
FACILITY # N/A

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 3/01/2020

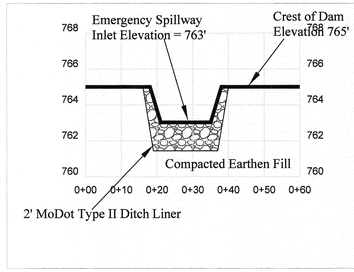
CAD DWG FILE:
DRAWN BY: BEW
CHECKED BY: LRP
DESIGNED BY: BEW

SHEET TITLE:
CROSS SECTIONS
BASELINE - 1 Sta 6+75 to Sta 9+00

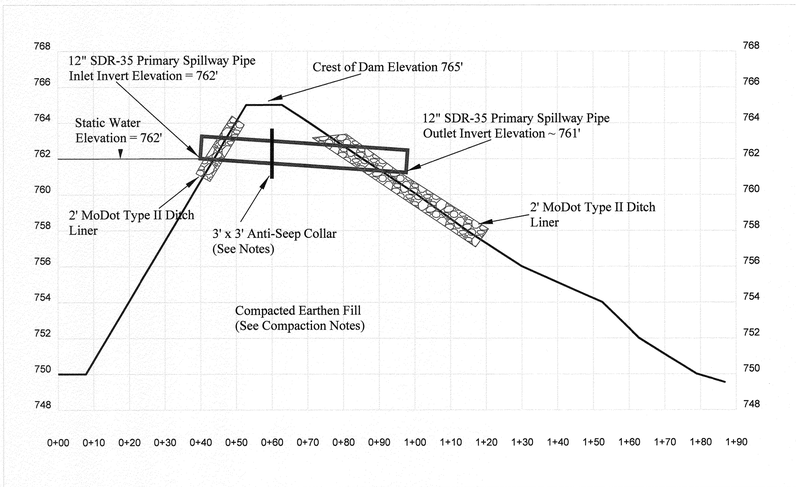
SHEET NUMBER:
C-103
6 OF 7 SHEETS
3/01/2020



Cross Section of Dam through Centerline of Emergency Spillway



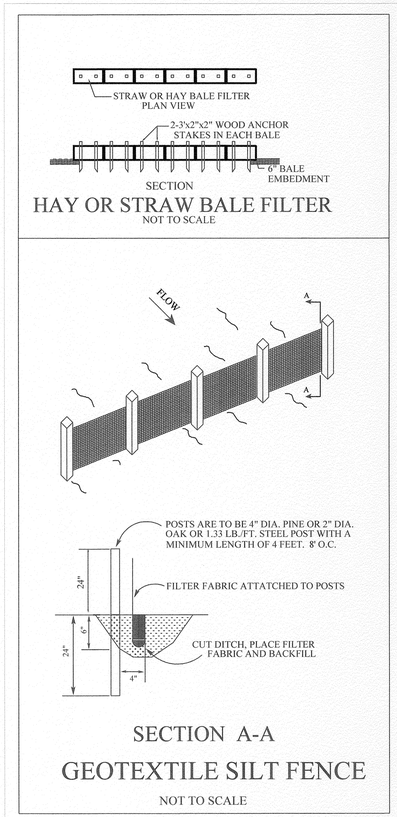
Profile through Emergency Spillway

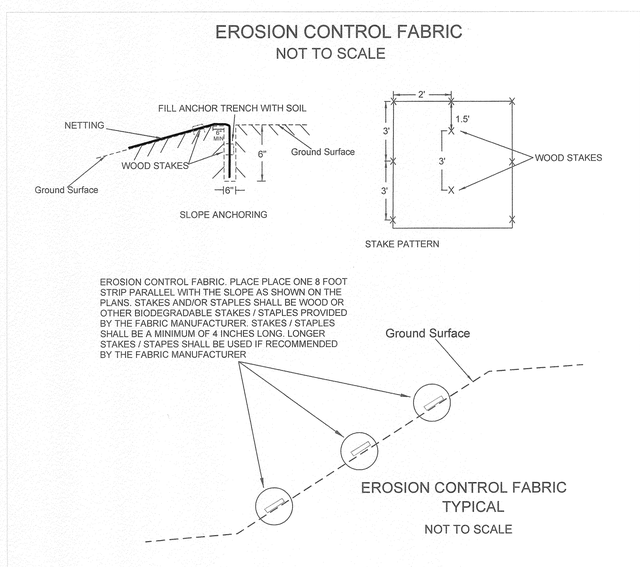


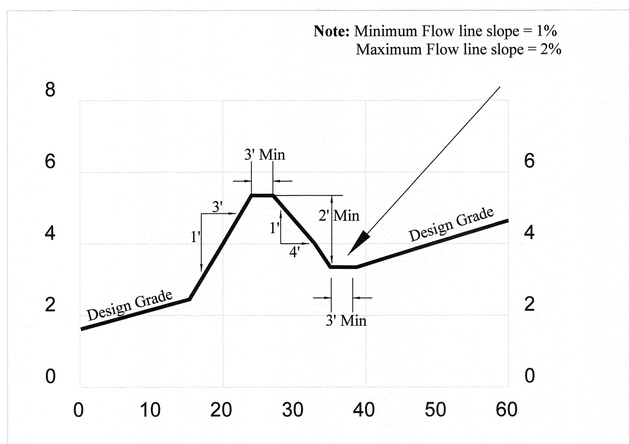
Cross Section of Dam through Centerline of Primary Spillway Pipe

Note: Install 3'x3' x $\frac{1}{4}$" HDPE Anti-Seep Collars on 12" primary spillway pipe and backfill as per manufactures recommendations. Collar shall be located near centerline of dam with a minimum of 2 feet of cover over collar.

Compaction Notes:
All Compacted Earthen FILL placed for construction of Dam shall be placed in loose lifts not exceeding 8" and compacted with a Sheeps-Foot Roller until roller feet penetrate no more than 3"into underlying material. All Earthen FILL materials used for construction of the Dam shall be free from roots, sticks, and other organic materials and shall consist primarily of soils. Areas exhibiting weak or unstable materials (i.e. pumping), or contain large amounts of gravel, rock, or other materials deemed deleterious by the owners representative, shall be removed and replaced at no additional cost to the owner.







Terrace Detail
Not to Scale

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

STATE OF MISSOURI
BRENT EDWARD WILLEFORD
NUMBER
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PROFESSIONAL ENGINEER

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DEPARTMENT OF NATURAL RESOURCES

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DESIGN AND CONSTRUCTION

MO. DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION PROGRAM

Westminster Reclamation Project

FACILITY: NOT APPLICABLE

Callaway County, Missouri

PROJECT # Y2002-01
SITE # N/A
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ISSUE DATE: 3/01/2020

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

SHEET TITLE:
Details

SHEET NUMBER:
D-100
7 OF 7 SHEETS
3/01/2020