Appendix A

Detailed Plans and Cross Sections for Proposed Action – Alternative 2
Miscellaneous Relief Wells - Illinois and Missouri

Army Corps of Engineers - Memphis District

Levee District No. 3 of Mississippi County, MO
Mississippi County, Missouri

Levee District No. 2 of Scott County, MO
Scott County, Missouri

Cairo Drainage District - Cairo, IL
Alexander County, Illinois

Solicitation: W912EQ-XX-R-XXXX
Contract: W912EQ-XX-R-XXXX
JUNE 2018
Below Charleston and Mound City to Cairo Project Location Map
TABULATION OF BENCHMARKS

<table>
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<th>BENCHMARK MARKS</th>
<th>ELEVATION NATUE</th>
<th>DESCRIPTION</th>
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|                   |                 | The Mark is 2.96 miles southwest of Benton, Mo., 127.86 miles southwest of Site No. 4, on a right-of-way line. The Mark is located on the east side of South Main St. The Mark is 1.04 miles southwest of the intersection of Main St. and E 275, on a roadway between the levee and the edge of the levee. The Mark is 1.02 miles southwest of the intersection of Main St. and W 275, on a roadway between the levee and the edge of the levee. The Mark is 1.00 miles southwest of the intersection of Main St. and E 275, on a roadway between the levee and the edge of the levee. The Mark is 0.98 miles southwest of the intersection of Main St. and W 275, on a roadway between the levee and the edge of the levee. The Mark is 0.96 miles southwest of the intersection of Main St. and E 275, on a roadway between the levee and the edge of the levee. The Mark is 0.94 miles southwest of the intersection of Main St. and W 275, on a roadway between the levee and the edge of the levee. The Mark is 0.92 miles southwest of the intersection of Main St. and E 275, on a roadway between the levee and the edge of the levee. The Mark is 0.90 miles southwest of the intersection of Main St. and W 275, on a roadway between the levee and the edge of the levee. The Mark is 0.88 miles southwest of the intersection of Main St. and E 275, on a roadway between the levee and the edge of the levee. The Mark is 0.86 miles southwest of the intersection of Main St. and W 275, on a roadway between the levee and the edge of the levee. The Mark is 0.84 miles southwest of the intersection of Main St. and E 275, on a roadway between the levee and the edge of the levee. The Mark is 0.82 miles southwest of the intersection of Main St. and W 275, on a roadway between the levee and the edge of the levee. The Mark is 0.80 miles southwest of the intersection of Main St. and E 275, on a roadway between the levee and the edge of the levee. The Mark is 0.78 miles southwest of the intersection of Main St. and W 275, on a roadway between the levee and the edge of the levee. The Mark is 0.76 miles southwest of the intersection of Main St. and E 275, on a roadway between the levee and the edge of the levee. The Mark is 0.74 miles southwest of the intersection of Main St. and W 275, on a roadway between the levee and the edge of the levee. The Mark is 0.72 miles southwest of the intersection of Main St. and E 275, on a roadway between the levee and the edge of the levee. The Mark is 0.70 miles southwest of the intersection of Main St. and W 275, on a roadway between the levee and the edge of the levee. The Mark is 0.68 miles southwest of the intersection of Main St. and E 275, on a roadway between the levee and the edge of the levee. The Mark is 0.66 miles southwest of the intersection of Main St. and W 275, on a roadway between the levee and the edge of the levee. The Mark is 0.64 miles southwest of the intersection of Main St. and E 275, on a roadway between the levee and the edge of the levee. The Mark is 0.62 miles southwest of the intersection of Main St. and W 275, on a roadway between the levee and the edge of the levee. The Mark is 0.60 miles southwest of the intersection of Main St. and E 275, on a roadway between the levee and the edge of the levee. The Mark is 0.58 miles southwest of the intersection of Main St. and W 275, on a roadway between the levee and the edge of the levee. The Mark is 0.56 miles southwest of the intersection of Main St. and E 275, on a roadway between the levee and the edge of the levee. The Mark is 0.54 miles southwest of the intersection of Main St. and W 275, on a roadway between the levee and the edge of the levee. The Mark is 0.52 miles southwest of the intersection of Main St. and E 275, on a roadway between the levee and the edge of the levee. The Mark is 0.50 miles southwest of the intersection of Main St. and W 275, on a roadway between the levee and the edge of the levee. The Mark is 0.48 miles southwest of the intersection of Main St. and E 275, on a roadway between the levee and the edge of the levee. The Mark is 0.46 miles southwest of the intersection of Main St. and W 275, on a roadway between the levee and the edge of the levee. The Mark is 0.44 miles southwest of the intersection of Main St. and E 275, on a roadway between the levee and the edge of the levee. The Mark is 0.42 miles southwest of the intersection of Main St. and W 275, on a roadway between the levee and the edge of the levee. The Mark is 0.40 miles southwest of the intersection of Main St. and E 275, on a roadway between the levee and the edge of the levee. The Mark is 0.38 miles southwest of the intersection of Main St. and W 275, on a roadway between the levee and the edge of the levee. The Mark is 0.36 miles southwest of the intersection of Main St. and E 275, on a roadway between the levee and the edge of the levee. The Mark is 0.34 miles southwest of the intersection of Main St. and W 275, on a roadway between the levee and the edge of the levee. The Mark is 0.32 miles southwest of the intersection of Main St. and E 275, on a roadway between the levee and the edge of the levee. The Mark is 0.30 miles southwest of the intersection of Main St. and W 275, on a roadway between the levee and the edge of the levee. The Mark is 0.28 miles southwest of the intersection of Main St. and E 275, on a roadway between the levee and the edge of the levee. The Mark is 0.26 miles southwest of the intersection of Main St. and W 275, on a roadway between the levee and the edge of the levee. The Mark is 0.24 miles southwest of the intersection of Main St. and E 275, on a roadway between the levee and the edge of the levee. The Mark is 0.22 miles southwest of the intersection of Main St. and W 275, on a roadway between the levee and the edge of the levee. The Mark is 0.20 miles southwest of the intersection of Main St. and E 275, on a roadway between the levee and the edge of the levee. The Mark is 0.18 miles southwest of the intersection of Main St. and W 275, on a roadway between the levee and the edge of the levee. The Mark is 0.16 miles southwest of the intersection of Main St. and E 275, on a roadway between the levee and the edge of the levee. The Mark is 0.14 miles southwest of the intersection of Main St. and W 275, on a roadway between the levee and the edge of the levee. The Mark is 0.12 miles southwest of the intersection of Main St. and E 275, on a roadway between the levee and the edge of the levee. The Mark is 0.10 miles southwest of the intersection of Main St. and W 275, on a roadway between the levee and the edge of the levee. The Mark is 0.08 miles southwest of the intersection of Main St. and E 275, on a roadway between the levee and the edge of the levee. The Mark is 0.06 miles southwest of the intersection of Main St. and W 275, on a roadway between the levee and the edge of the levee. The Mark is 0.04 miles southwest of the intersection of Main St. and E 275, on a roadway between the levee and the edge of the levee. The Mark is 0.02 miles southwest of the intersection of Main St. and W 275, on a roadway between the levee and the edge of the levee. The Mark is 0.00 miles southwest of the intersection of Main St. and E 275, on a roadway between the levee and the edge of the levee. The Mark is 0.02 miles southwest of the intersection of Main St. and W 275, on a roadway between the levee and the edge of the levee. The Mark is 0.04 miles southwest of the intersection of Main St. and E 275, on a roadw...
THE SCOPE OF THEIR EMPLOYMENT AS REQUIRED BY ER1110-1-8152

DESIGNATIONS OF INDIVIDUALS APPEAR ON THESE PROJECT DOCUMENTS WITHIN

THIS PROJECT WAS DESIGNED BY THE MEMPHIS DISTRICT OF THE U.S. ARMY

ARMY CORPS OF ENGINEERS - MEMPHIS DISTRICT

SUBMITTED BY:

W912EQ-18-R-XXXX

DATE:

FILE NUMBER:

FILE NAME:

SIZE:

ANSID

ALEXANDER COUNTY, ILLINOIS

2003-2015

MISSISSIPPI RIVER HYDROGRAPH

G-006_MISSISSIPPIH_BAIRDOIL.dg

2/26/2018

MISCELLANEOUS RELIEF WELLS - G-007

G-007

JEFFERSON AND MORGAN COUNTIES, ILLINOIS

FEBRUARY 2018

STAGE IN FEET - GAGE ZERO, 270.47 N.G.V.D.
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**NOTES:**
1. REFER TO SHEET C-XXX TO C-XXX FOR CONSTRUCTION LIMIT ALIGNMENT TABLES.
WOODED AREA SHALL REMAIN UNDISTURBED AND IS OUTSIDE OF CONSTRUCTION LIMITS.

SCOTT COUNTY, MO
BELOW COMMERCE MILE 5
SCOTT COUNTY, MO
BELOW COMMERCE MILE 5

TYPICAL SECTION FOR 64+90 TO 81+88
(AT 70+00) N.T.S.

LEFT CUT SLOPE 1V:3H
OR PLATTER TO TIE IN

RIGHT CUT SLOPE 1V:3H

NOTES:
1. ALL CUT AND FIL H SLOPES SHALL BE 1V:3H UNLESS OTHERWISE NOTED ON PLANS.
2. SEE DITCH TABLE ON SHEET G-005 DITCH ALIGNMENTS.
3. SEE SHEETS C-105 AND C-124 FOR CROSS SECTIONS.
4. POLYMER COATED CMP'S TO 36 INCH CMP INLET DISCHARGE INTO NORTH DITCH
5. GROUTED R-400 RIPRAP AROUND EXTERIOR OF POLYMER COATED CMP'S TO 36 INCH CMP INLET
6. R-400 RIPRAP FROM GROUT DITCH BOTTOM TO 36 INCH CMP INLET AND SIDE SLOPES TO GROUTED R-400 RIPRAP.
7. RELOCATE PIPE TO DISCHARGE 24 INCH STEEL AT STA. 81+50 EL 327FT
8. POLYMER COATED DOUBLE 36 INCH CMP'S TO 36 INCH CMP INLET DISCHARGE INTO NORTH DITCH
9. GROUTED R-400 RIPRAP AROUND EXTERIOR OF POLYMER COATED CMP'S TO 36 INCH CMP INLET
10. GROUTED R-400 RIPRAP FROM GROUT DITCH BOTTOM TO 36 INCH CMP INLET AND SIDE SLOPES TO GROUTED R-400 RIPRAP.
11. CHECK DAM T.C.E. BELOW COMMERCE MILE 5
12. R-90 RIPRAP 70+00 TO 81+40
13. EL 325FT TO TOP OF DITCH SLOPE GROUTED R-400 RIPRAP IN AREAS WHERE PIVOT IS TO CROSS OVER EROSION CONTROL FEATURE.
14. SILT FENCE
15. TYPICAL CROSS-SECTIONS AND PLAN VIEWS FOR TIE IN TO NORTH CUT DITCH
16. ADDITIONAL SHEET TO BE PROVIDED (69+50 TO 78+00, APPROX.) ENTERS T.C.E. PIVOT OUTSIDE WHEEL
17. PIPE TO DISCHARGE 24 INCH STEEL AT STA. 81+50 EL 327FT
18. GRAY 36" TILTED IN SLOPE TO TOP OF DITCH SLOPE GROUTED R-400 RIPRAP
19. CHECK DAM T.C.E. BELOW COMMERCE MILE 5
20. GRAY 36" TILTED IN SLOPE TO TOP OF DITCH SLOPE GROUTED R-400 RIPRAP
21. CUT DITCH 81+40 TO 81+88
13+30 (WELL #10)

12+20 (WELL #9)

11+10 (WELL #8)
31+50

30+50

29+50 (WELL #18)