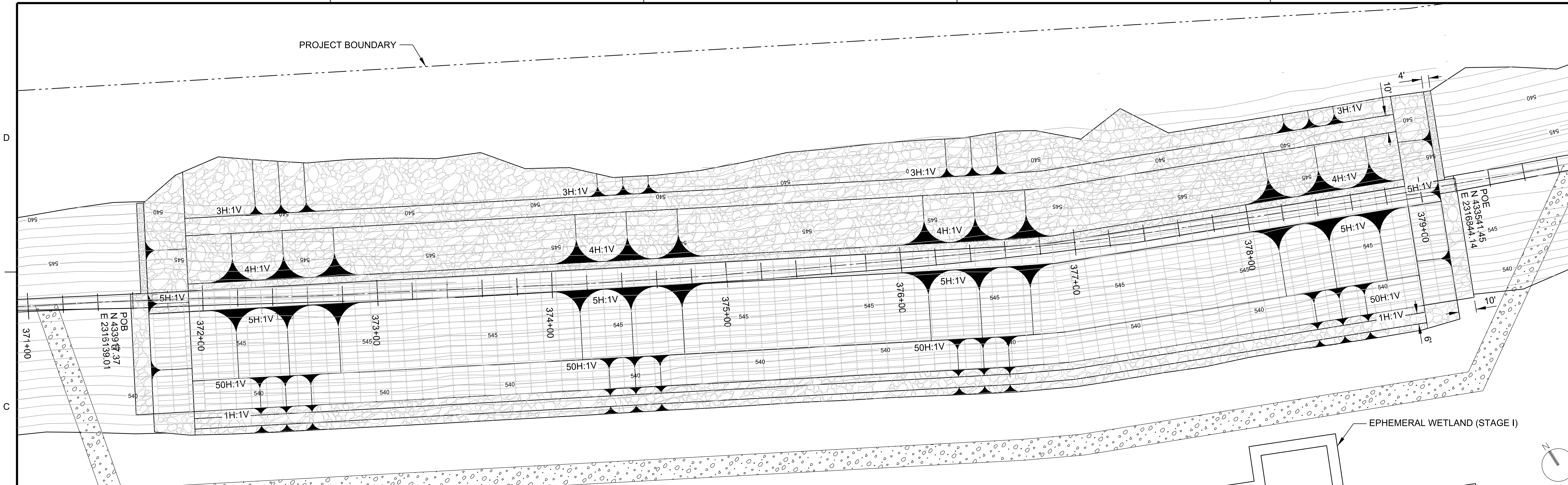
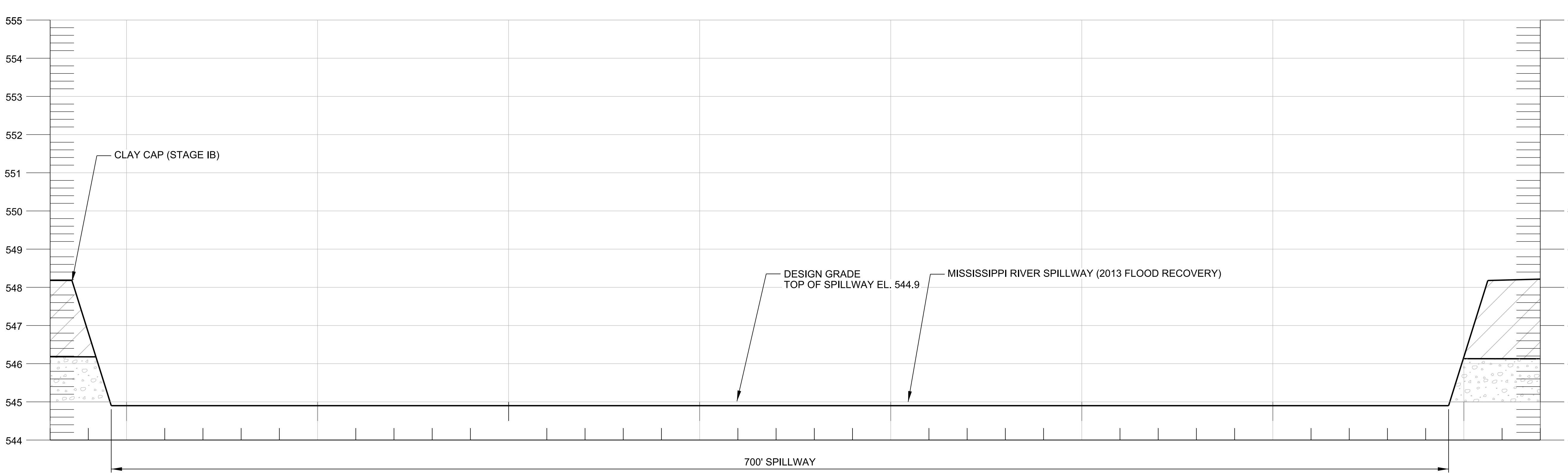


C1 MISSISSIPPI RIVER SPILLWAY PLAN (2013 FLOOD RECOVERY)

SCALE : 1"=80'-0"

0 80' 160'



A1 MISSISSIPPI RIVER SPILLWAY PROFILE (2013 FLOOD RECOVERY)

SCALE : 1"=80'-0"

0 80' 160'

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9:16:51 AM
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US Army Corps of Engineers®

MARK	DESCRIPTION	DATE	APPR.

U.S. ARMY CORPS OF ENGINEERS
ROCK ISLAND DISTRICT
ROCK ISLAND, ILLINOIS

DESIGNED BY: KNM		DATE:	
DWN BY: LLH	CKD BY:	SOLICITATION NO.:	
SUBMITTED BY:		CONTRACT NO.:	
PLOT SCALE: AS SHOWN	PLOT DATE:	PROJECT CODE: O&M	
SIZE: ANSI D	FILE NAME: O&M_C-200xxx.dgn		

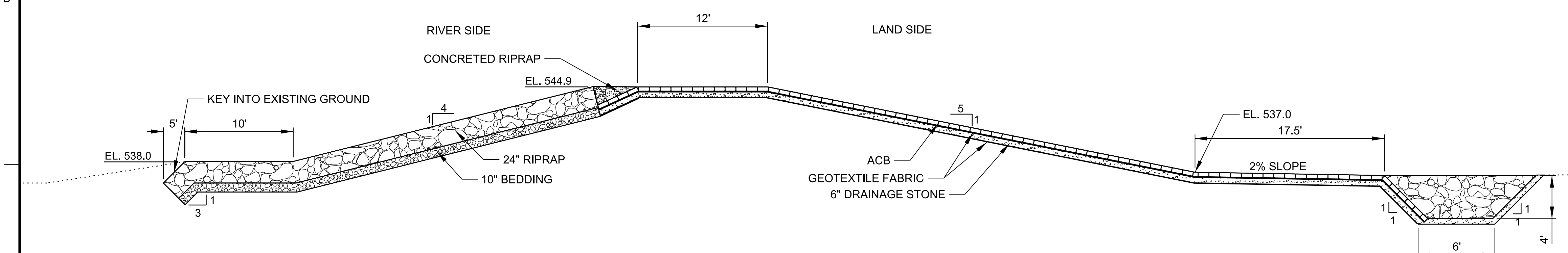
MISSISSIPPI RIVER BASIN
LAKE ODESSA
HABITAT REHABILITATION AND ENHANCEMENT
LOUISA COUNTY, IA

MISSISSIPPI RIVER SPILLWAY
PLAN AND PROFILE
(2013 FLOOD RECOVERY)

Sheet ID
C-200

GENERAL SHEET NOTES

1. SPILLWAY CONSTRUCTION WAS ACCOMPLISHED IN THE DRY.
2. CONTRACTOR CLEARED AND GRUBBED SPILLWAY AREA. MATERIALS WERE PLACED ON THE LAND SIDE OF THE LEVEE IN AREAS ADJACENT TO THE SPILLWAY BUT NO CLOSER THAN 15 FEET FROM THE LEVEE TOE.
3. VEGETATION WAS STRIPPED TO A DEPTH OF 3 INCHES. STRIPPED MATERIAL WAS REUSED AS TOPSOIL ON THE CLAY LEVEE REPAIR TO A MAX DEPTH OF 6 INCHES. EXCESS MATERIAL WAS DISPOSED OF BY SPREADING ALONG LAND SIDE LEVEE TOE.
4. EXCAVATE LEVEE TO THE ELEVATIONS AND SLOPES SHOWN ON THE TYPICAL SECTIONS AS NEEDED.
5. PREPARE THE SUBGRADE AND PARTIAL FILL SURFACES.
6. DURING GRADING, EARTHEN MATERIAL WAS THOROUGHLY MIXED AS SPECIFIED.
7. FILL WAS PLACED AND COMPACTED.
8. RIVER SIDE SLOPE (CONSTRUCTED TO THE SLOPES AND GRADES SHOWN):
   A. PLACED BEDDING.
   B. PLACED RIPRAP.
9. ACB CONSTRUCTION (CONSTRUCTED TO THE SLOPES AND GRADES SHOWN):
   A. PLACED GEOTEXTILE FABRIC.
   B. PLACED, COMPACT AND FINISH DRAINAGE STONE.
   C. PLACED ACB.
   D. FILLED VOIDS WITH DRAINAGE STONE.
10. ALL DISTURBED AREAS WERE SEEDED.



A1 MISSISSIPPI RIVER SPILLWAY TYPICAL SECTION (2013 FLOOD RECOVERY)

SCALE : 1"=6'-0"

0 6' 12'

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ROCK ISLAND DISTRICT
ROCK ISLAND, ILLINOIS

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SUBMITTED BY:
PLOT SCALE: AS SHOWN
SIZE: ANSI D
PLOT DATE:
FILE NAME: O&M_C-201xxx.dgn
DATE:
SOLICITATION NO.:
CONTRACT NO.:
PROJECT CODE: O&M

MISSISSIPPI RIVER BASIN
LAKE ODESSA
HABITAT REHABILITATION AND ENHANCEMENT
LOUISA COUNTY, IA
MISSISSIPPI RIVER SPILLWAY
TYPICAL SECTIONS
(2013 FLOOD RECOVERY)

Sheet ID
C-201

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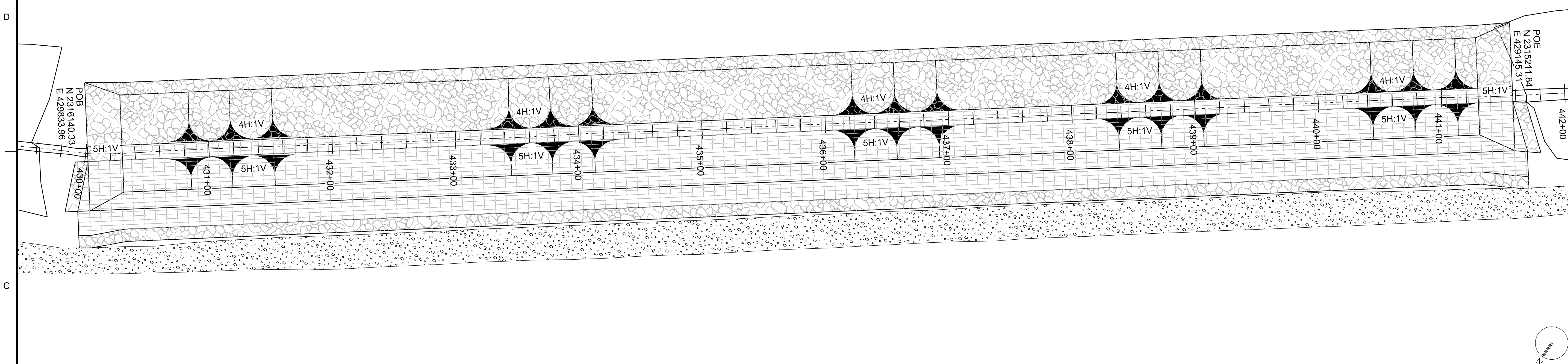
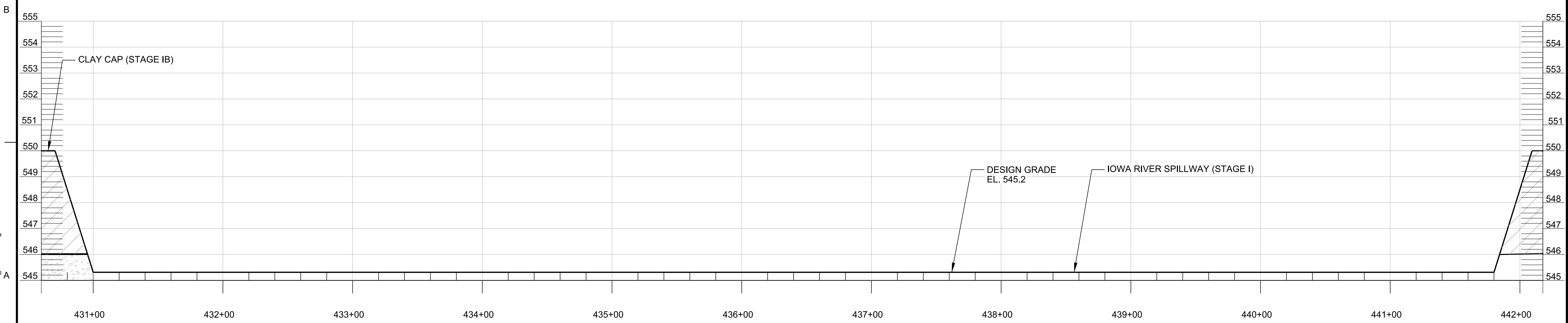


C1 IOWA RIVER SPILLWAY PLAN (STAGE I)

SCALE : 1"=80'-0"

0 80' 160'



A1 IOWA RIVER SPILLWAY PROFILE (STAGE I)

SCALE : 1"=80'-0"

0 80' 160'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE	APPR.

U.S. ARMY CORPS OF ENGINEERS
ROCK ISLAND DISTRICT
ROCK ISLAND, ILLINOIS

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DWN BY: LLH
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SUBMITTED BY:
DATE:
SOLICITATION NO.:
CONTRACT NO.:
PLOT SCALE: AS SHOWN
PLOT DATE:
PROJECT CODE: O&M
SIZE: ANSI D
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MISSISSIPPI RIVER BASIN
LAKE ODESSA
HABITAT REHABILITATION AND ENHANCEMENT
LOUISA COUNTY, IA

IOWA RIVER SPILLWAY
PLAN AND PROFILE
(STAGE I)

Sheet ID
C-202

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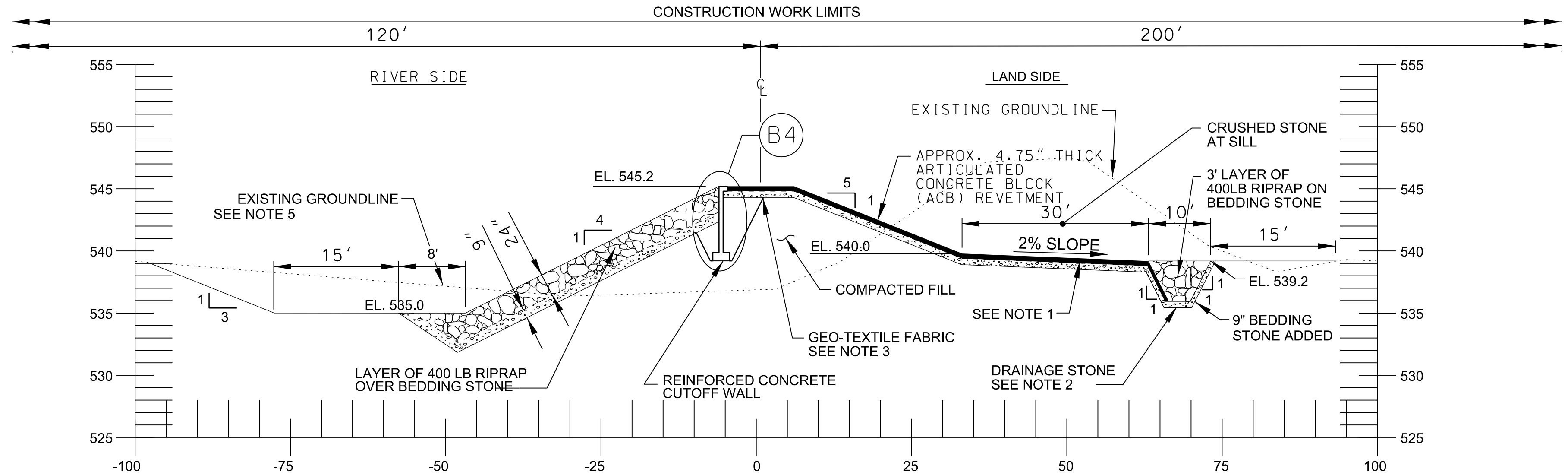
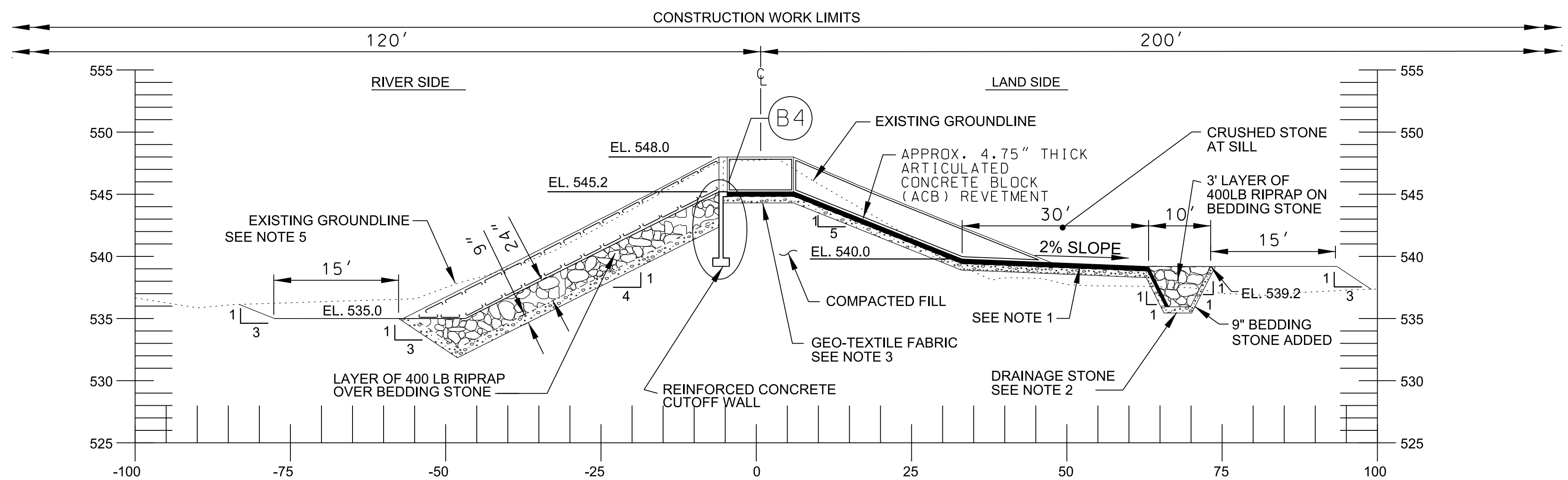


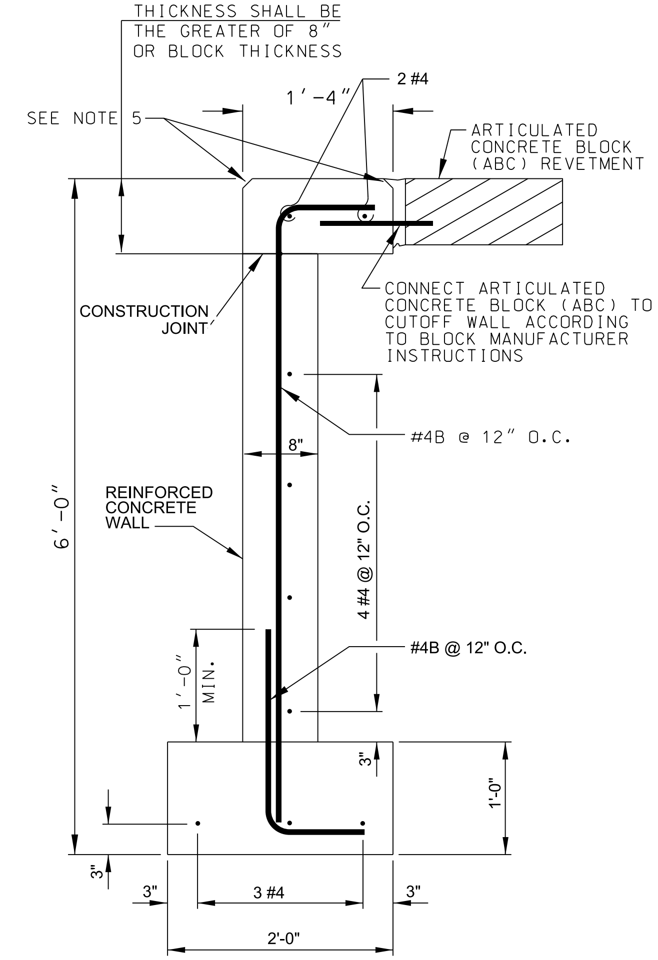
C1 SPILLWAY TYPICAL SECTION STA. 431+11 TO 442+11 (STAGE I)

NO SCALE



B1 SPILLWAY TYPICAL SECTION STA. 442+11 (STAGE I)

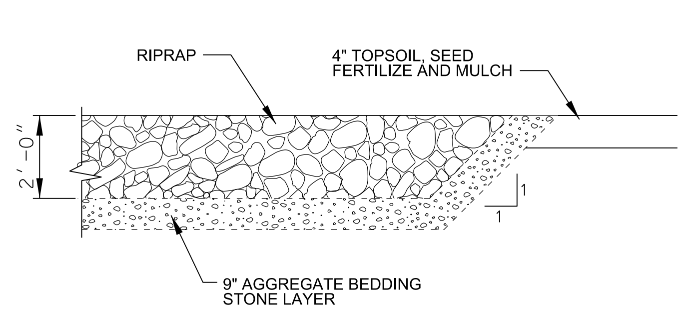
NO SCALE



B4 DETAIL FOR CUTOFF WALL

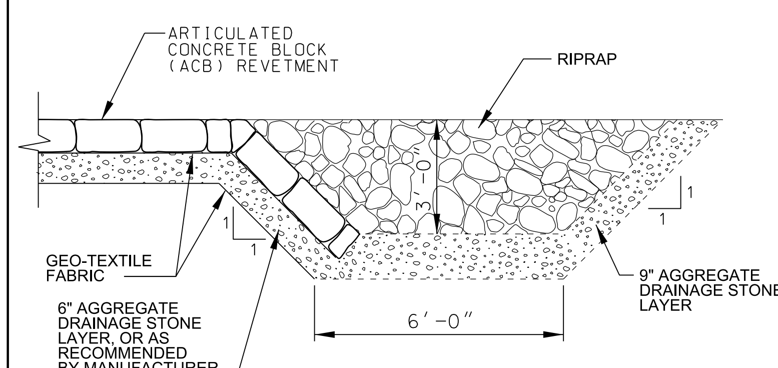
NOTES:

1. LEVEE STATIONING HAS CHANGED SINCE STAGE I DUE TO MULTIPLE LEVEE REPAIRS.
2. AGGREGATE BEDDING IS 9" THICK UNDER RIPRAP ON RIVER SIDE OF SPILLWAY, AGGREGATE DRAINAGE LAYER IS 6" UNDER THE ARTICULATED CONCRETE BLOCK (ACB), OR AS RECOMMENDED BY THE MANUFACTURER, AND 9" THICK UNDER RIPRAP TIE-IN ON REFUGE SIDE OF SPILLWAY.
3. GEOTEXTILE FABRIC PLACED ABOVE AND BELOW DRAINAGE STONE BENEATH ARTICULATED CONCRETE BLOCK (ACB) REVETMENT.
4. FOR DETAIL B4 THIS SHEET, CONSTRUCTION JOINTS IN WALL ARE ACCEPTABLE IF THE REINFORCEMENT IS CONTINUOUS THROUGH THE JOINT. EXPANSION JOINTS ARE NOT NECESSARY.
5. ALL EXPOSED EDGES OF CUTOFF WALL SHALL HAVE 3#4" BY 3#4" CHAMFER.
6. DEGRADED EXISTING LEVEE SECTION AND USE AS BORROW FOR NEW SPILLWAY SECTION.
7. DURING GRADING OF SPILLWAY SECTION, EARTHEN MATERIAL WAS THOROUGHLY MIXED.
8. EXCESS EARTHEN MATERIAL EXCAVATED FROM SPILLWAY GRADING (EXCLUDING 3" STRIP LAYER) WAS USED FOR LEVEE CONSTRUCTION OF LEVEE SECTIONS IMMEDIATELY ADJACENT TO THE SPILLWAY END SECTIONS.



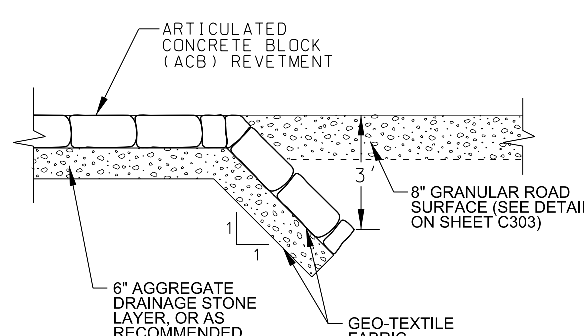
A1 RIP RAP SIDE SLOPE TIE IN (STAGE I)

NO SCALE



A2 A.C.B. TO RIP RAP TIE IN (STAGE I)

NO SCALE



A3 A.C.B. TO GRAVEL ROAD TIE IN (STAGE I)

NO SCALE

US Army Corps of Engineers®

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U.S. ARMY CORPS OF ENGINEERS
ROCK ISLAND DISTRICT
ROCK ISLAND, ILLINOIS

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MISSISSIPPI RIVER BASIN
LAKE ODESSA
HABITAT REHABILITATION AND ENHANCEMENT
LOUISA COUNTY, IA
IOWA RIVER SPILLWAY
TYPICAL SECTIONS
(STAGE I)

Sheet ID
C-203

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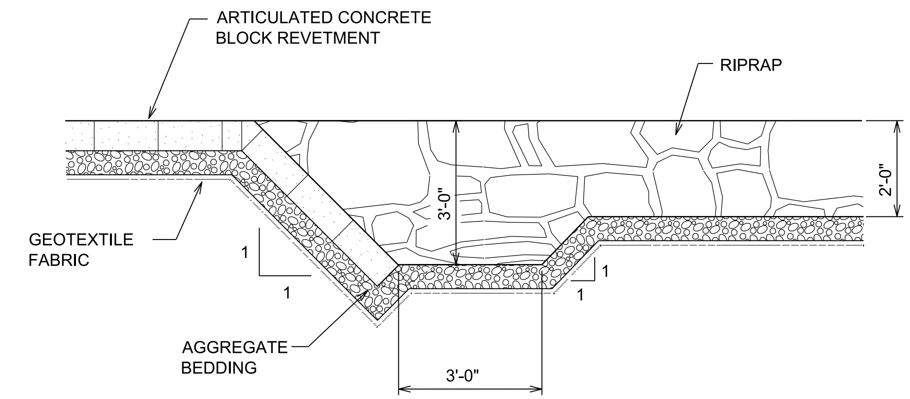
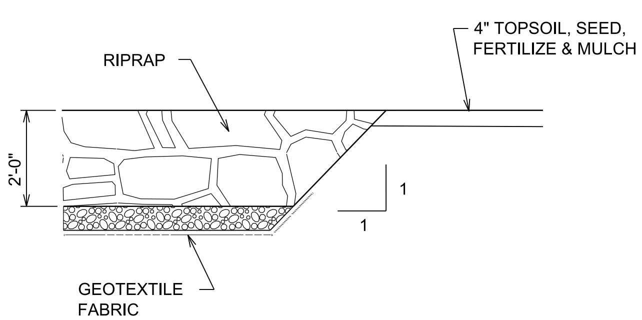
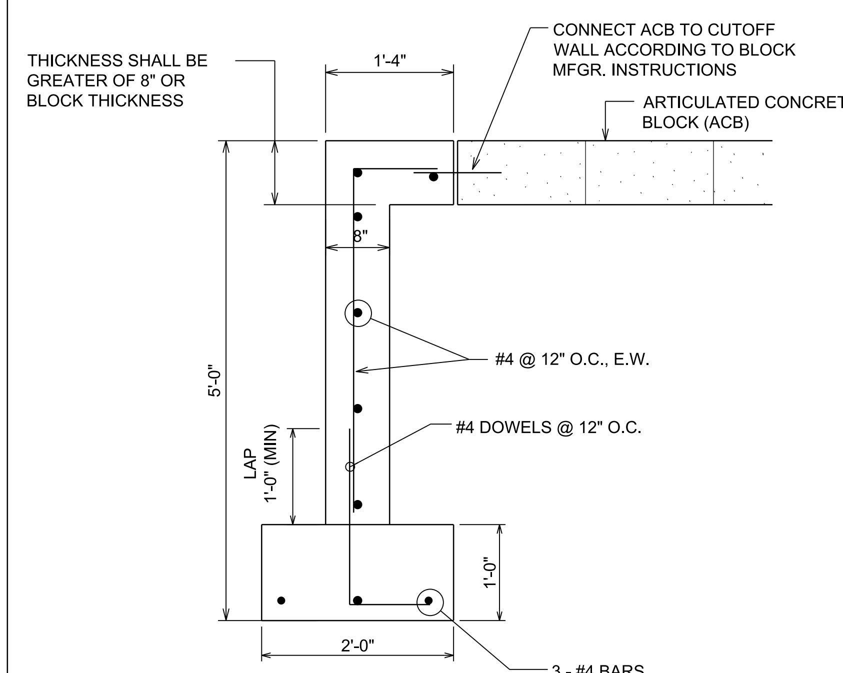


C4 SECTION @ SIDE SLOPE BLOCK TERMINATION (STAGE I)



A1 SECTION @ SIDE SLOPE RIPRAP PROTECTION (STAGE I)



A4 CUTOFF WALL DETAIL (STAGE I)

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U.S. ARMY CORPS OF ENGINEERS
ROCK ISLAND DISTRICT
ROCK ISLAND, ILLINOIS

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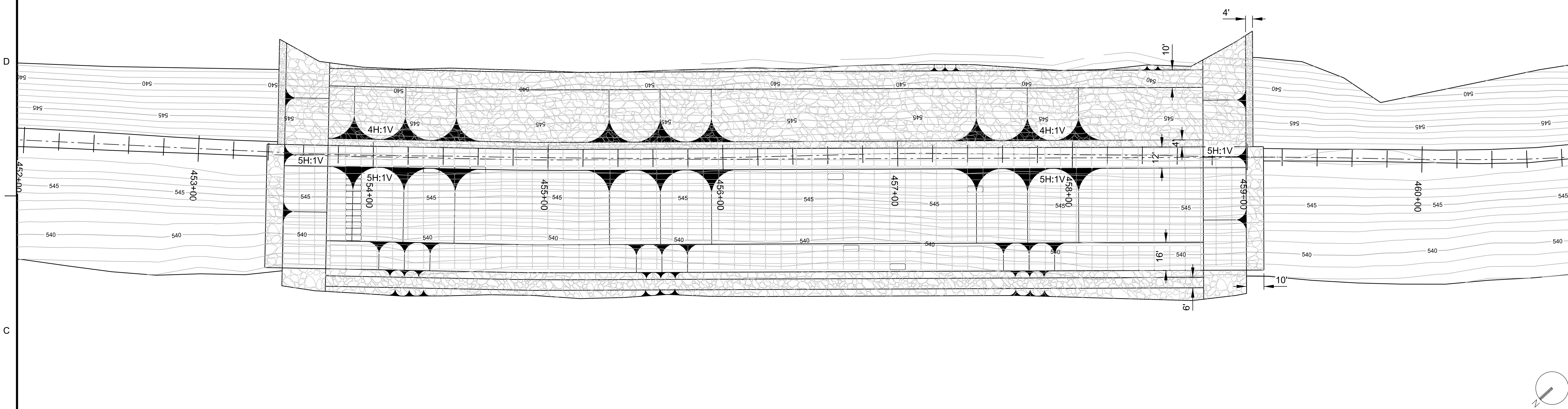
MISSISSIPPI RIVER BASIN
LAKE ODESSA
HABITAT REHABILITATION AND ENHANCEMENT
LOUISA COUNTY, IA
SPILLWAY TRANSITION
TYPICAL SECTIONS
(STAGE I)

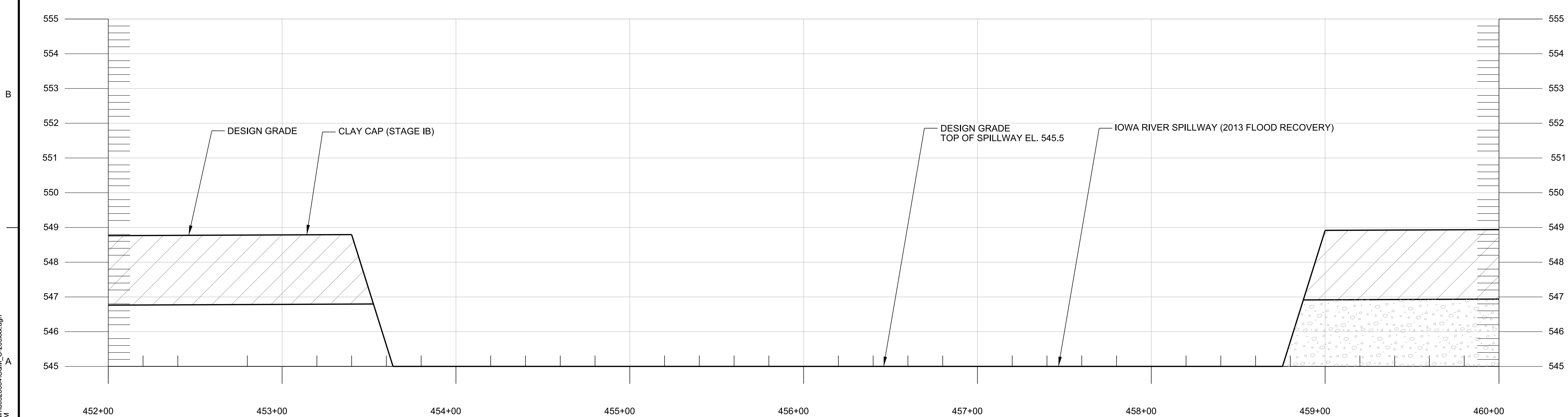
Sheet ID
C-204



C1 IOWA RIVER SPILLWAY PLAN (2013 FLOOD RECOVERY)

SCALE : 1"=80'-0"

0 80' 160'



A1 IOWA RIVER SPILLWAY PROFILE (2013 FLOOD RECOVERY)

SCALE : 1"=80'-0"

0 80' 160'

US Army Corps of Engineers®

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U.S. ARMY CORPS OF ENGINEERS
ROCK ISLAND DISTRICT
ROCK ISLAND, ILLINOIS

MISSISSIPPI RIVER BASIN
LAKE ODESSA
HABITAT REHABILITATION AND ENHANCEMENT
LOUISA COUNTY, IA
IOWA RIVER SPILLWAY
PLAN AND PROFILE
(2013 FLOOD RECOVERY)

Sheet ID
C-205

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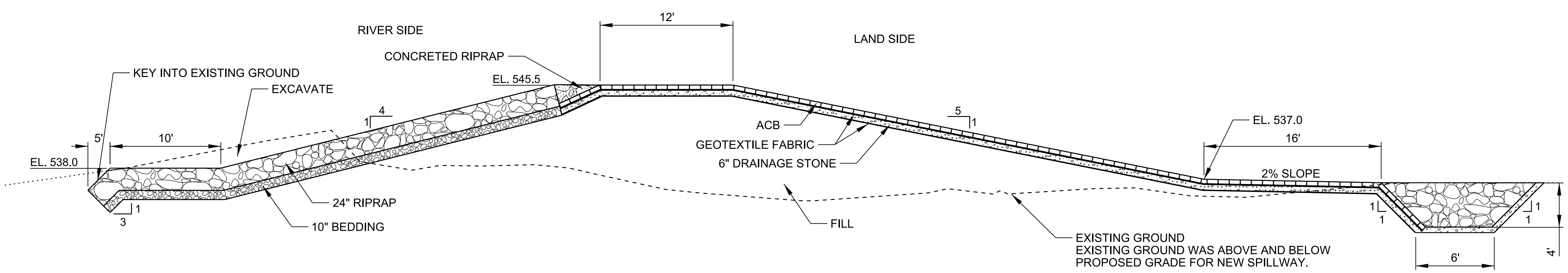

A1 IOWA RIVER SPILLWAY TYPICAL SECTION (2013 FLOOD RECOVERY)

SCALE : 1"=6'-0"

0 6' 12'

GENERAL SHEET NOTES

1. SPILLWAY CONSTRUCTION WAS ACCOMPLISHED IN THE DRY.
2. CONTRACTOR CLEARED AND GRUBBED SPILLWAY AREA. MATERIALS WERE PLACED ON THE LAND SIDE OF THE LEVEE IN AREAS ADJACENT TO THE SPILLWAY BUT NO CLOSER THAN 15 FEET FROM THE LEVEE TOE.
3. VEGETATION WAS STRIPPED TO A DEPTH OF 3 INCHES. STRIPPED MATERIAL WAS REUSED AS TOPSOIL ON THE CLAY LEVEE REPAIR TO A MAX DEPTH OF 6 INCHES. EXCESS MATERIAL WAS DISPOSED OF BY SPREADING ALONG LAND SIDE LEVEE TOE.
4. EXCAVATE LEVEE TO THE ELEVATIONS AND SLOPES SHOWN ON THE TYPICAL SECTIONS AS NEEDED.
5. PREPARE THE SUBGRADE AND PARTIAL FILL SURFACES.
6. DURING GRADING, EARTHEN MATERIAL WAS THOROUGHLY MIXED AS SPECIFIED.
7. FILL WAS PLACED AND COMPACTED.
8. RIVER SIDE SLOPE (CONSTRUCTED TO THE SLOPES AND GRADES SHOWN):
   A. PLACED BEDDING.
   B. PLACED RIPRAP.
9. ACB CONSTRUCTION (CONSTRUCTED TO THE SLOPES AND GRADES SHOWN):
   A. PLACED GEOTEXTILE FABRIC.
   B. PLACED, COMPACT AND FINISH DRAINAGE STONE.
   C. PLACED ACB.
   D. FILLED VOIDS WITH DRAINAGE STONE.
10. ALL DISTURBED AREAS WERE SEEDED.

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE	APPR.

U.S. ARMY CORPS OF ENGINEERS
ROCK ISLAND DISTRICT
ROCK ISLAND, ILLINOIS

DESIGNED BY: KNM	DATE:	
DWN BY: LLH	CKD BY:	SOLICITATION NO.:
SUBMITTED BY:		CONTRACT NO.:
PLOT SCALE: AS SHOWN	PLOT DATE:	PROJECT CODE: O&M
SIZE: ANSI D	FILE NAME: O&M_C-206xxx.dgn	

MISSISSIPPI RIVER BASIN
LAKE ODESSA
HABITAT REHABILITATION AND ENHANCEMENT
LOUISA COUNTY, IA
IOWA RIVER SPILLWAY
TYPICAL SECTION
(2013 FLOOD RECOVERY)

Sheet ID
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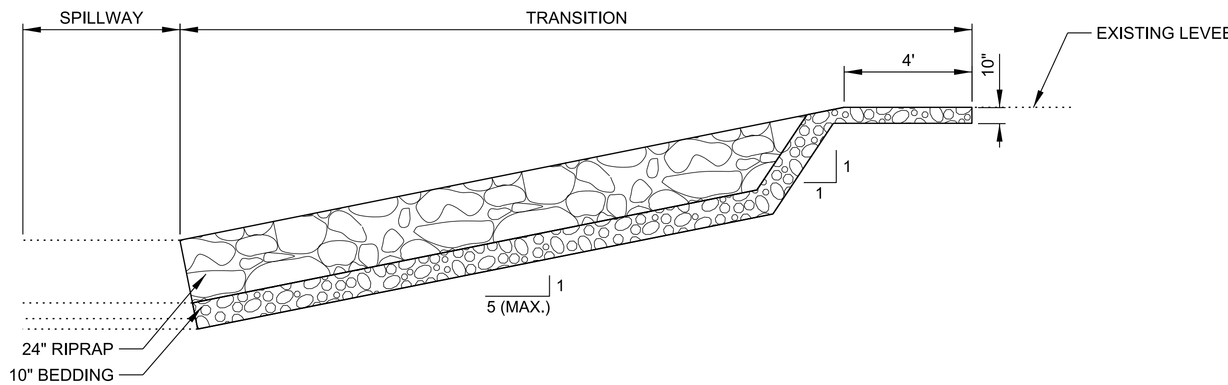
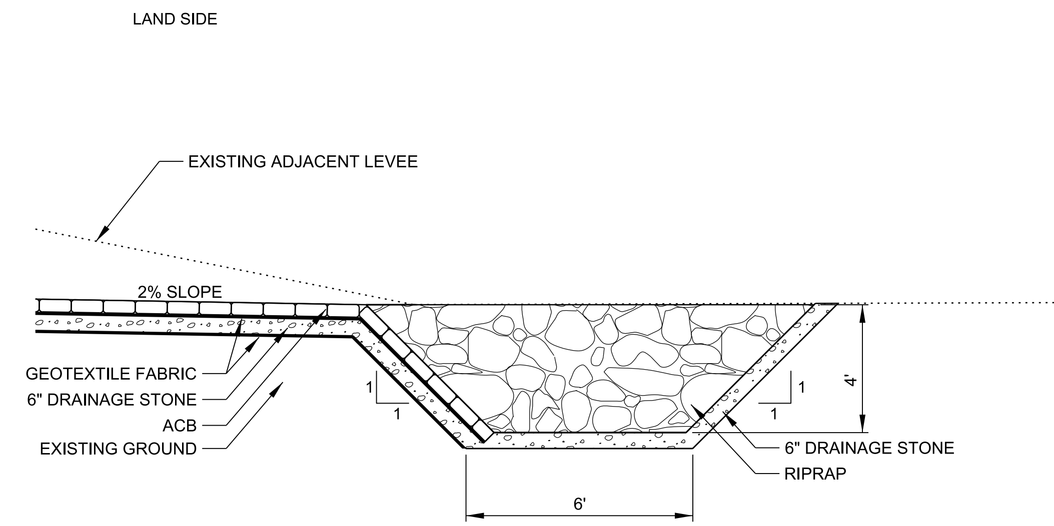


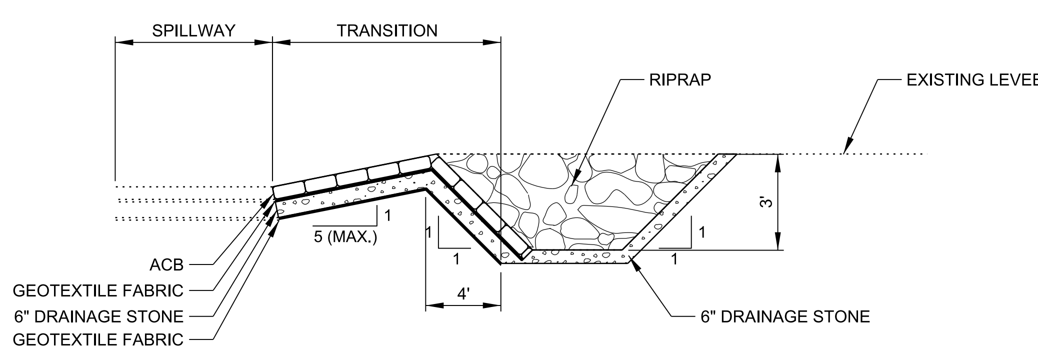
C1 RIPRAP SIDE SLOPE TIE-IN (2013 FLOOD RECOVERY)

SCALE : 1"=3'-0"



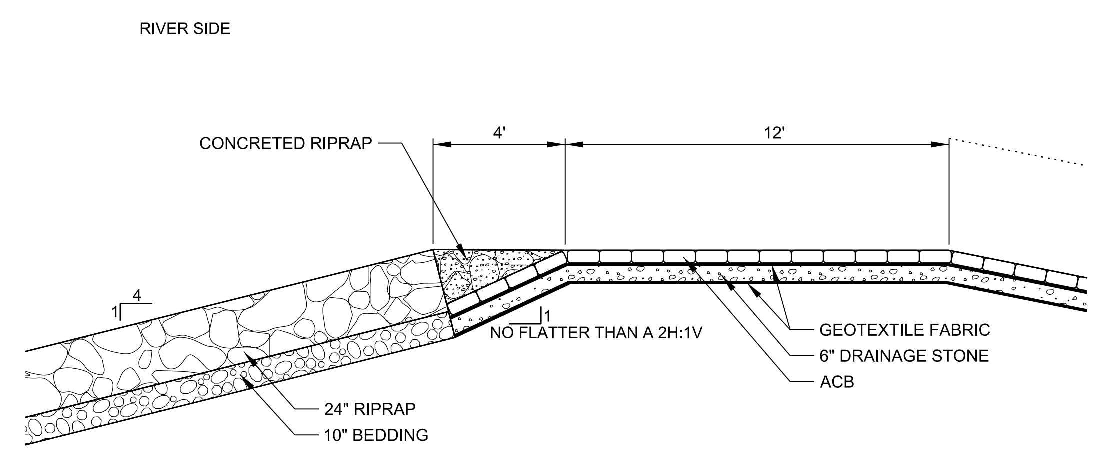
C4 ACB TO RIPRAP TIE-IN LAND SIDE (2013 FLOOD RECOVERY)

SCALE : 1"=3'-0"



A1 ACB TIE-IN TO LEVEE (2013 FLOOD RECOVERY)

SCALE : 1"=3'-0"



A4 ACB TO RIPRAP TIE-IN SPILLWAY (2013 FLOOD RECOVERY)

SCALE : 1"=3'-0"

US Army Corps of Engineers

MARK	DESCRIPTION	DATE	APPR.

U.S. ARMY CORPS OF ENGINEERS
ROCK ISLAND DISTRICT
ROCK ISLAND, ILLINOIS

DESIGNED BY: KNM		DATE:
DWN BY: LLH	CKD BY:	SOLICITATION NO.:
SUBMITTED BY:		CONTRACT NO.:
PLOT SCALE: AS SHOWN	PLOT DATE:	PROJECT CODE: O&M
SIZE: ANSI D	FILE NAME: O&M_C-207xxx.dgn	

MISSISSIPPI RIVER BASIN
LAKE ODESSA
HABITAT REHABILITATION AND ENHANCEMENT
LOUISA COUNTY, IA
IOWA RIVER SPILLWAY
TYPICAL SECTIONS
(2013 FLOOD RECOVERY)

Sheet ID
C-207

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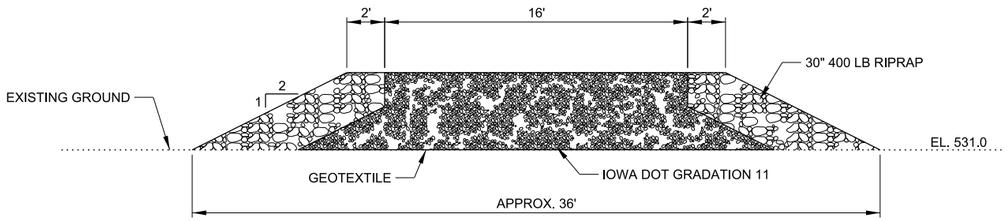

C1 ROADWAY SECTION (STAGE IB)

SCALE : 1"=4'-0"

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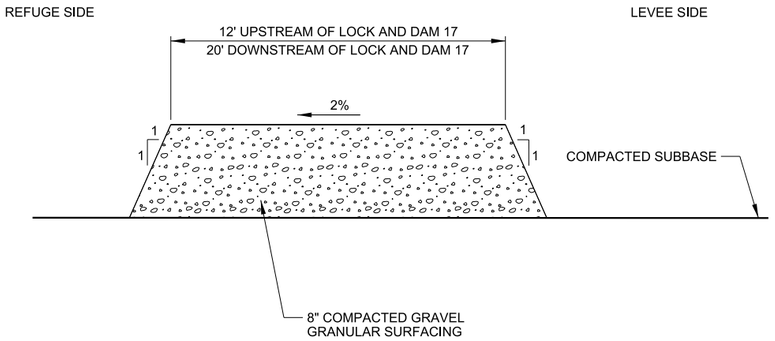
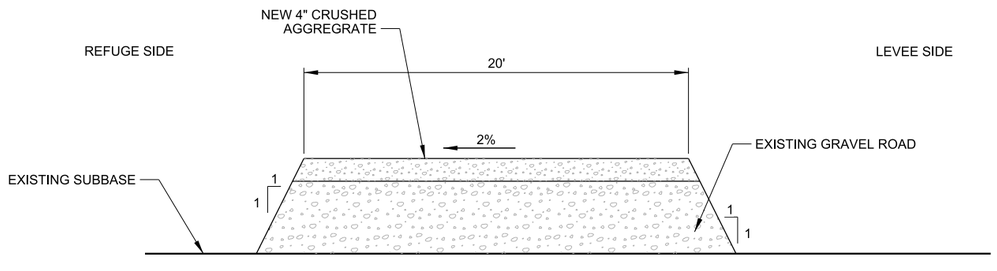


C3 GRAVEL ROAD TYPICAL SECTION (STAGE I)

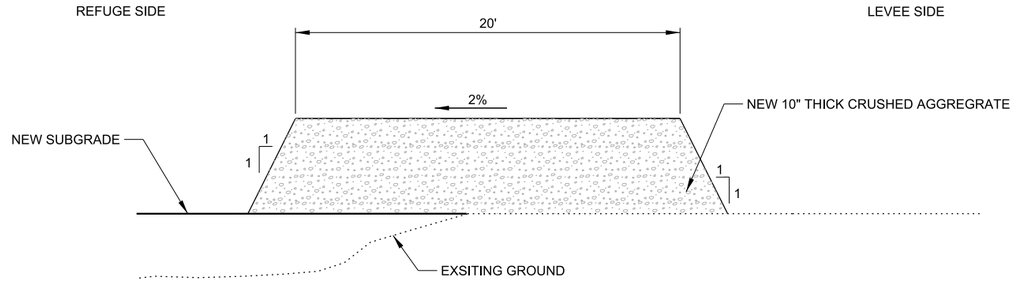
SCALE : NO SCALE



STA. 430+00 TO STA. 493+00

A1 CRUSHED AGGREGATE ROAD TYPICAL SECTION (STAGE I)

SCALE : NO SCALE



STA. 439+00 TO STA. 443+00

A3 CRUSHED AGGREGATE ROAD TYPICAL SECTION (STAGE I)

SCALE : NO SCALE

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE	APPR.

U.S. ARMY CORPS OF ENGINEERS
ROCK ISLAND DISTRICT
ROCK ISLAND, ILLINOIS

DESIGNED BY: KMM
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CKD BY:
PLOT SCALE: AS SHOWN
PLOT DATE:
FILE NAME: O&M_C-208xxx.dgn
SIZE: ANSI D
DATE:
SOLICITATION NO.:
CONTRACT NO.:
PROJECT CODE: O&M

MISSISSIPPI RIVER BASIN
LAKE ODESSA
HABITAT REHABILITATION AND ENHANCEMENT
LOUISA COUNTY, IA
SPILLWAY ROAD
TYPICAL SECTIONS
(STAGE I AND STAGE IB)

Sheet ID
C-208

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