FOX ISLAND DIVISION

OPERATION AND MAINTENANCE MANUAL

UPPER MISSISSIPPI RIVER RESTORATION PROGRAM
HABITAT REHABILITATION AND ENHANCEMENT PROJECT

CLARK COUNTY, MISSOURI
MISSISSIPPI RIVER
RIVER MILES 353.6 TO 358.5

APPENDIX A
PROJECT PLATES

Plate Number	Title
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2	Index and General Notes
3	Survey Control Plan
4	Boring Locations
5	Boring Logs I
6	Boring Logs II
7	Site Plan
8	Feature Locations
9	Option A and B Seeding and Planting Plan
10	Access Road Plan and Typical Section
11	Typical Well and Turnaround Plan
12	Levee Improvement Plan and Typical Section
13	Stoplog E Access Ramp Plan and Profile
14	Channel A Plan and Profile
15	Channel B Plan and Profile
16	Channel C Plan and Profile
17	Channel D Plan and Profile
18	Channel F Plan and Profile
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20	Coin Pond Channel Plan and Profile
21	Slim Slough Channel Plan and Profile
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25	Fox River Cross Sections
26	Fox River Cross Sections
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34	36" RCP Miscellaneous Details
35	36" RCP Structure Details I
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41	5’ Standard Concrete Box
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43	5’ Standard Concrete Box Details II
44	5’ Standard Concrete Box Details III
45	5’ Standard Concrete Box Details IV
46	5'X5' Trash Rack
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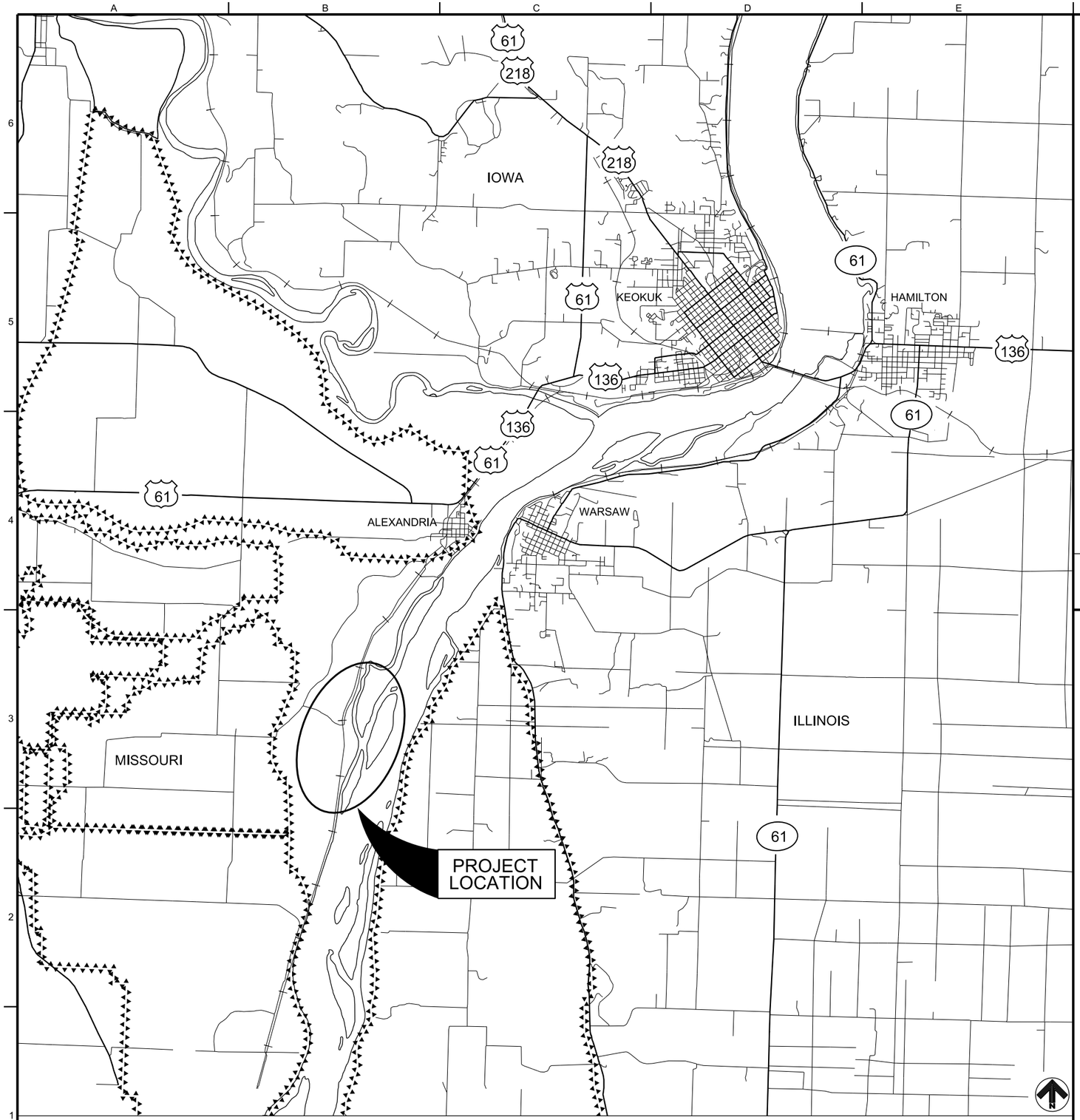
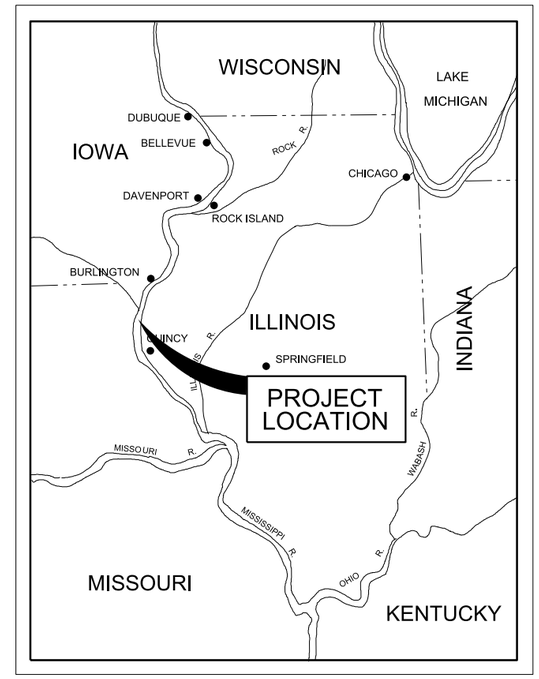


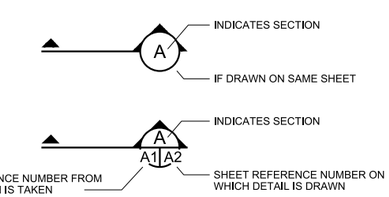
A1 LOCATION PLAN
SCALE : NO SCALE



F4 VICINITY MAP
SCALE : NO SCALE

LEGEND

- IMPERVIOUS FILL
- ENHANCED WETLANDS
- DIRECT SEED TREES
- CONTAINERIZED TREE PLANTING
- 36" RCP STOPLOG STRUCTURE
- 5' CONCRETE BOX STOPLOG STRUCTURE
- PLACEMENT SITE
- BORROW SITE
- ACCESS ROAD
- SPOIL
- CHANNEL CENTERLINE
- EXISTING LEVEE
- ABANDONED WELL
- NEW WELL
- SITE ACCESS
- BORING LOCATION
- BM - BENCHMARK
- POND CENTERLINE



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Rock Island District

Symbol	Description	Date	Approved
1	AS-BUILT AS OF MARCH 31 2015	02 MAR 12	ELSHLA
	MOD EA008 - ADD NEW POND CENTERLINE		

Revisions

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

Designed By: PJV
Drawn By: LLH
Checked By: RCF
Reviewed By: HLA
Date: 2010/07/14
Scale:
Project Code: EP98
Solicitation Number: W912EK-10-B-0025

MISSISSIPPI RIVER
POOL 19 RM 457.1 TO 453.6
ALEXANDRIA, MO
FOX ISLAND HREP O & M MANUAL

LOCATION PLAN, VICINITY MAP, AND LEGEND

Sheet Reference Number:
PLATE 01

B5ECDJMF
01112016
PLATE 01.dgn

A1 INDEX OF DRAWINGS

F1 GENERAL NOTES

GENERAL NOTES:

1. THE SCOPE OF WORK GENERALLY CONSISTS OF, BUT MAY NOT BE LIMITED TO:

   A. ENHANCE LOGSDON SLOUGH WHICH INCLUDES THE FOLLOWING:
      1. DRILL A NEW WELL - INSTALL WELL PUMP.
      2. CHANNEL IMPROVEMENT (REPLACE EXISTING STOPLOG STRUCTURE, EXCAVATION, PLACE RIPRAP, SEEDING)
      3. CONSTRUCT ACCESS ROAD WITH CRUSHED STONE AGGREGATE.
      4. CAP EXISTING WELL.

   B. ENHANCE COIN POND, SLIM SLOUGH, AND OLD LAKE TO INCLUDE THE FOLLOWING:
      1. DRILL A NEW WELL - INSTALL WELL PUMP.
      2. CHANNEL IMPROVEMENTS - (EXCAVATION, PLACEMENT OF RIPRAP, SEEDING)
      3. CONSTRUCT ACCESS ROAD WITH CRUSHED STONE AGGREGATE.
      4. CONSTRUCT WATER CONTROL STRUCTURES FOR FOX RIVER, OLD LAKE, COIN POND, UPPER SLIM SLOUGH AND LOWER SLIM SLOUGH.
      5. REMOVE TWO EXISTING WATER CONTROL STRUCTURES.

   C. IMPROVE LEVEE SECTION

   △5 D. STREAMBANK PROTECTION

   △5 E. REFORESTATION (OPTION A AND B) TO INCLUDE THE FOLLOWING:
      1. PREPARE 60 ACRES FOR DIRECT SEEDING AND 215 ACRES FOR MAST-PRODUCING CONTAINERIZED TREES IN DESIGNATED REFORESTATION AREA.
      2. PLANT TREES AND SEED IN DESIGNATED REFORESTATION AREA.

2. IF FOR ANY REASON SOIL IS REMOVED FROM THE SITE, IT MUST BE TESTED ACCORDING TO THE SPECIFICATIONS.

3. SURVEY:

   A. DATUM IS NAD 83, IL WEST, US SURVEY FOOT. VERTICAL DATUM IS NGVD 1988.
   B. ORTHO PHOTOGRAPHY FLOWN IN 2007.

4. CONTRACTOR STAGING AREA ARE TO BE LOCATED AT WELL TURNAROUND LOCATIONS AND ARE TO BE COORDINATED WITH C.O.R. DURING CONSTRUCTION.

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AS-BUILT AS OF MARCH 31 2015

Symbol	Description	Date	Approved
△	MOD EA025 - SHEETS ADDED	10/10/2013	ELS
△	MOD EA024 - SHEET ADDED	4 OCT 13	ELS/HLA
△	MOD EA014 - SHEETS ADDED	07/25/2012	ELS
△	MOD EA013 - SHEET ADDED	16 MAY 12	ELS/HLA
△	MOD EA010 - SHEET ADDED	12 MZR 12	ELS/HLA
△	MOD EA008 - SHEET REMOVED & REPLACED - AND SHEETS RENAMED	02 MAR 12	ELS/HLA
△	MOD EA007 - SHEET RENAMED AND NEW SHEETS ADDED	28 FEB 12	ELS/HLA

Revisions

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

Designed By:	PJV	Date:	2010/07/14
Drawn By:	LLH	Scale:	AS SHOWN
Checked By:	RCF	Project Code:	EP98
Reviewed By:	HLA	Solicitation Number:	W912EK-10-B-0025

MISSISSIPPI RIVER
POOL 20 RM 358.5 TO 353.6
ALEXANDRIA, MO
FOX ISLAND HREP O & M MANUAL

INDEX AND GENERAL NOTES

Sheet Reference Number:
PLATE 02

B5ECD.MF
1/11/2016
PLATE 02.dgn

A1 SURVEY CONTROL PLAN

SCALE : 1"=800'-0"

0 800' 1600'

B5ECD.MF
1/11/2016
PLATE 03.dgn

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	AS-BUILT AS OF MARCH 31 2015		

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Checked By: RCF
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Scale: AS SHOWN
Project Code: EP98
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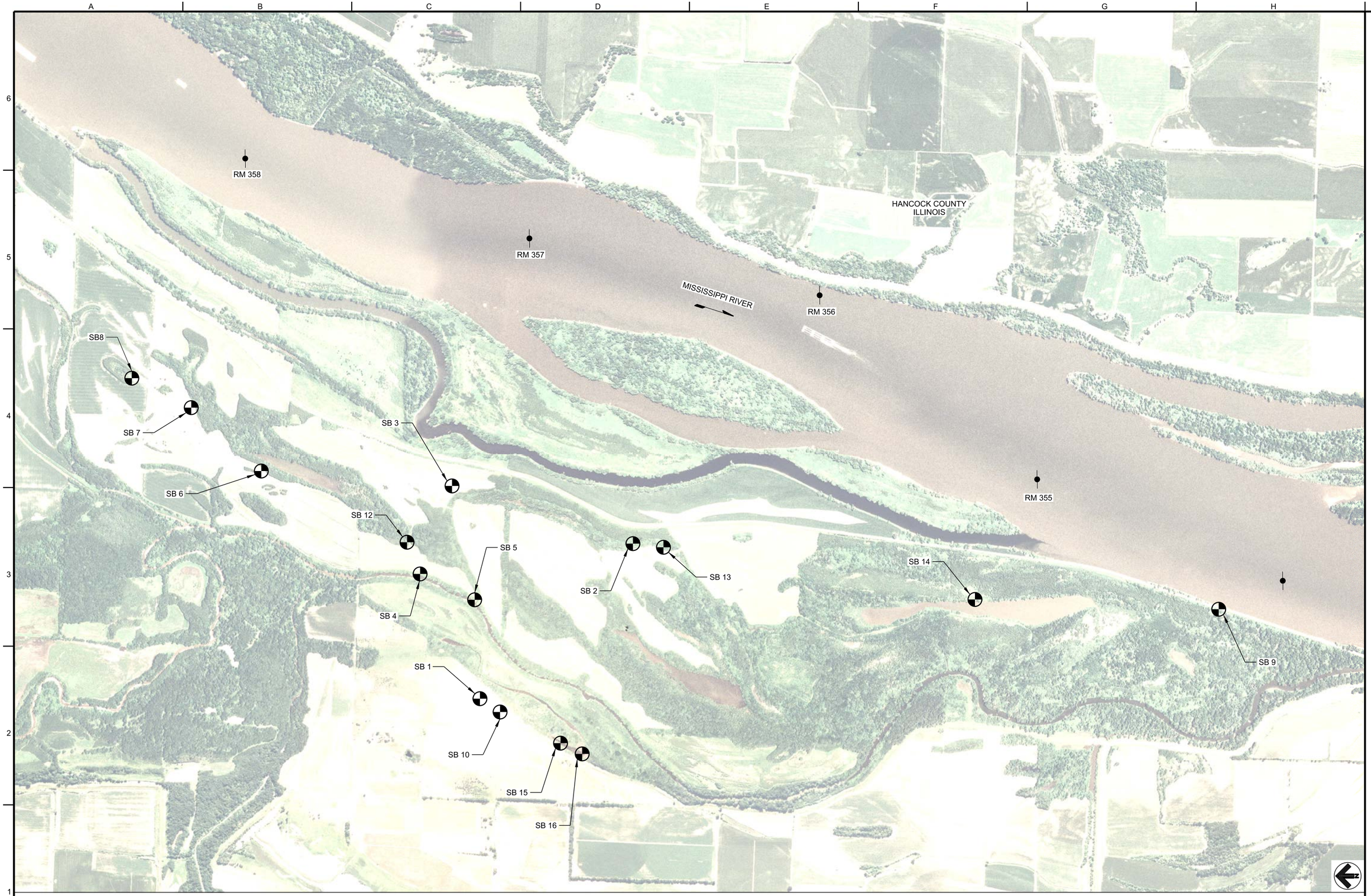
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
ROCK ISLAND, ILLINOIS

MISSISSIPPI RIVER
POOL 20 RM 356.5 TO 353.6
ALEXANDRIA, MO
FOX ISLAND HREP O & M MANUAL

SURVEY CONTROL PLAN

Sheet Reference Number:
PLATE 03



A1 BORING LOCATIONS

SCALE : 1"=800'-0"

0 800' 1600'

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Rock Island District

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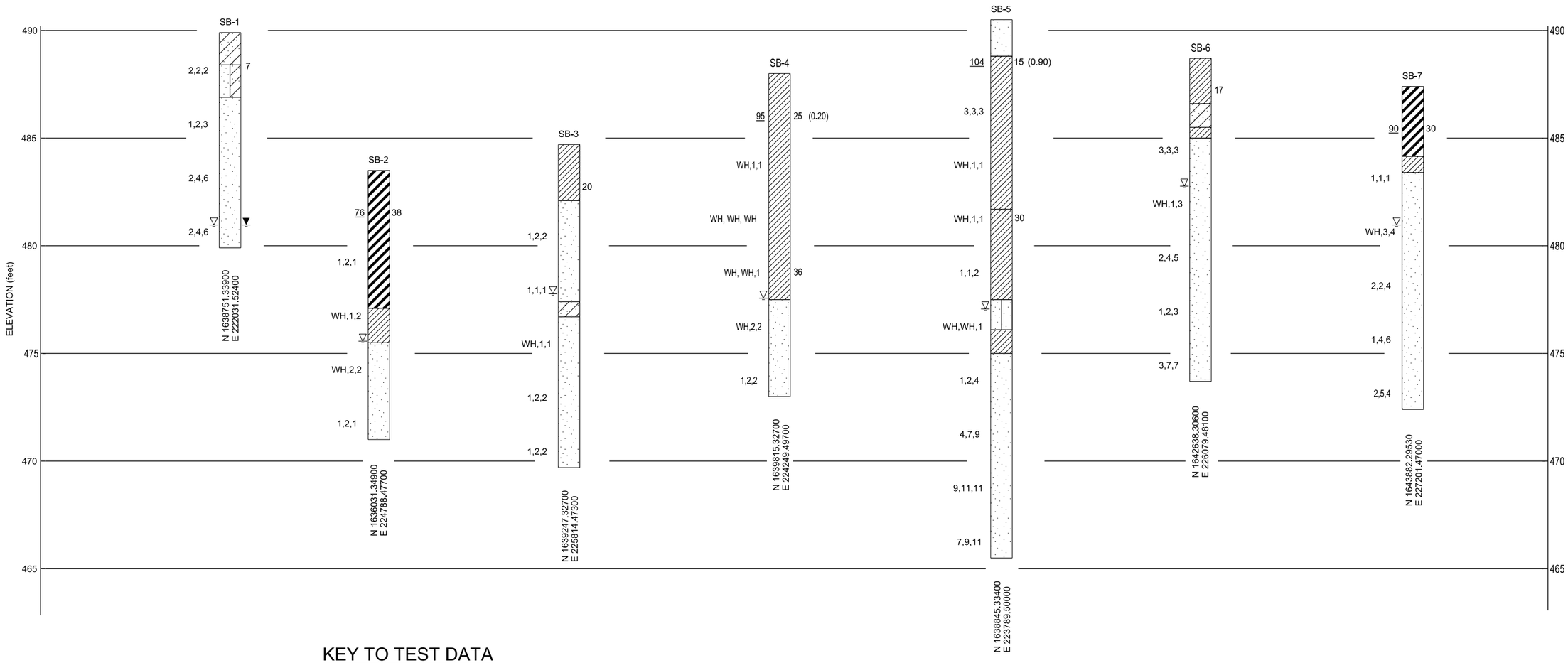
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
ROCK ISLAND, ILLINOIS

MISSISSIPPI RIVER
POOL 20 RM 358.5 TO 353.6
ALEXANDRIA, MO
FOX ISLAND HREP O & M MANUAL

BORING LOCATIONS

Sheet Reference Number:
PLATE 04

B5ECDJMF
1/11/2016
PLATE 04.dgn



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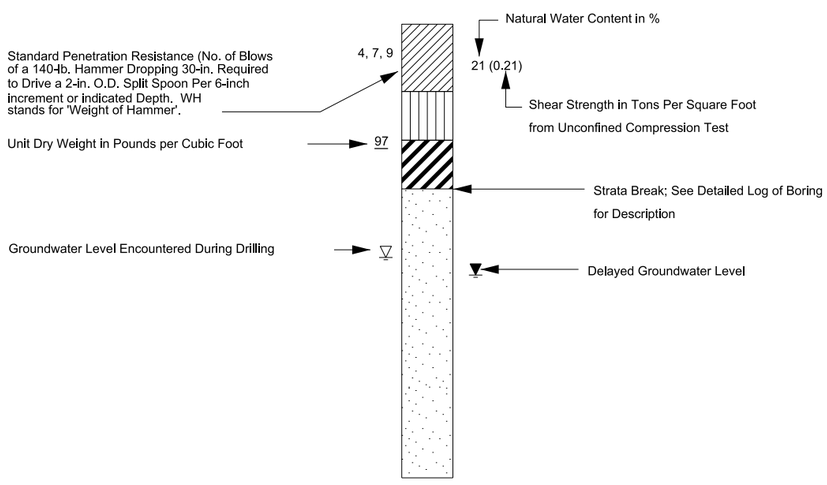

KEY TO GRAPHIC SYMBOLS

- Fat CLAY (CH)
- Poorly-graded SAND (SP)
- Poorly-graded SAND with CLAY (SP-SC)
- Clayey SAND (SC)
- CLAYEY GRAVEL (GC)
- Silty SAND (SM)
- Lean CLAY (CL)

NOTES:

1. SAMPLES COLLECTED BETWEEN OCTOBER 14 AND OCTOBER 16, 2002
2. BORING LOGS IN ELEVATION DATUM NGVD 1929
3. STRATA BREAK SHOWN ARE APPROXIMATE.

A1 BORING LOGS I

SCALE : NO SCALE

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Rock Island District

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	AS-BUILT AS OF MARCH 31 2015		

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Checked By: JKP | Project Code: EP98
Reviewed By: CEB | Solicitation Number: W912EK-10-B-0025

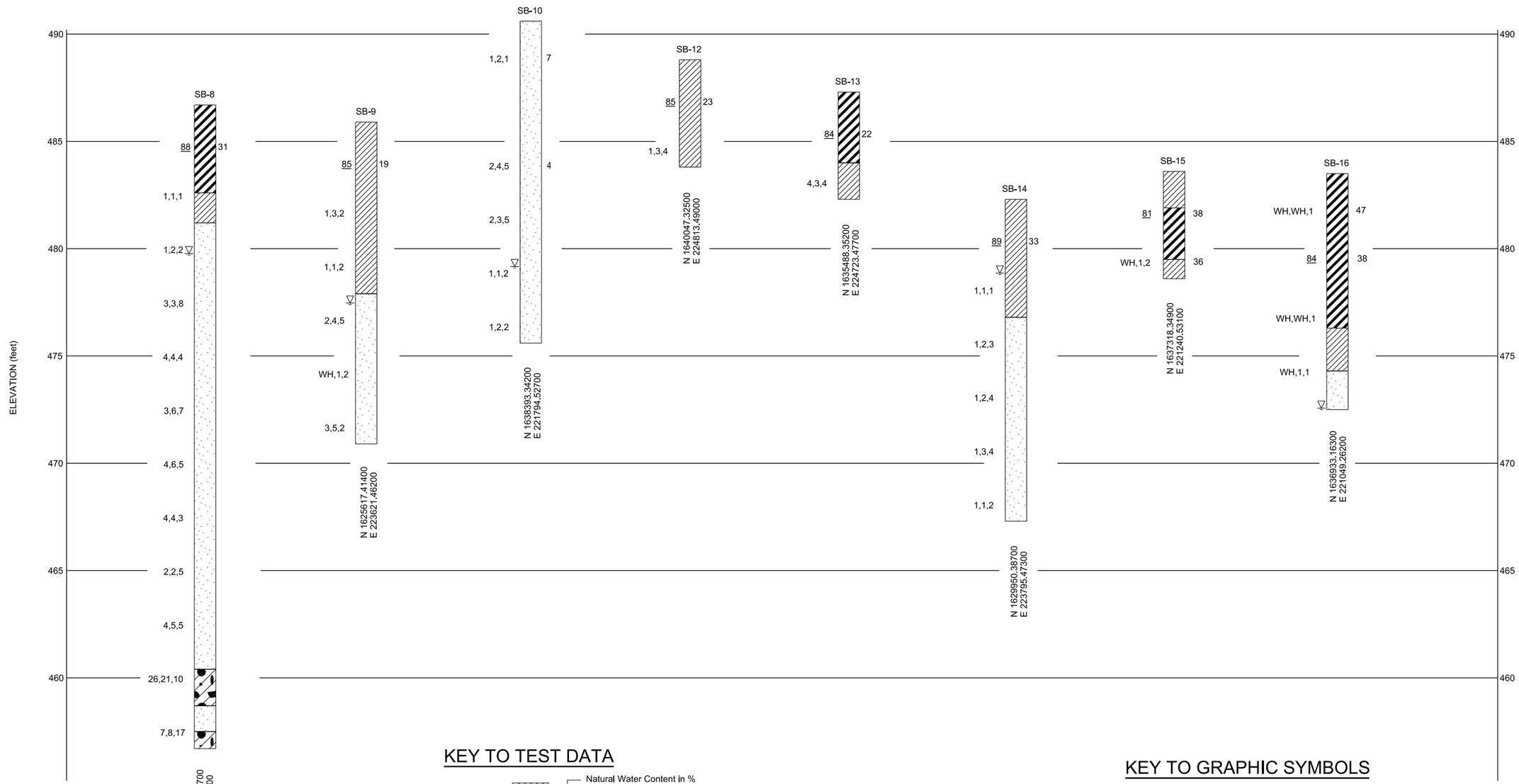
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
ROCK ISLAND, ILLINOIS

MISSISSIPPI RIVER
POOL 20 RM 343.5 TO 353.6
ALEXANDRIA, MO
FOX ISLAND HREP O & M MANUAL

BORING LOGS I

Sheet Reference Number:
PLATE 05

B5ECD.MF
1/11/2016
PLATE 05.dgn



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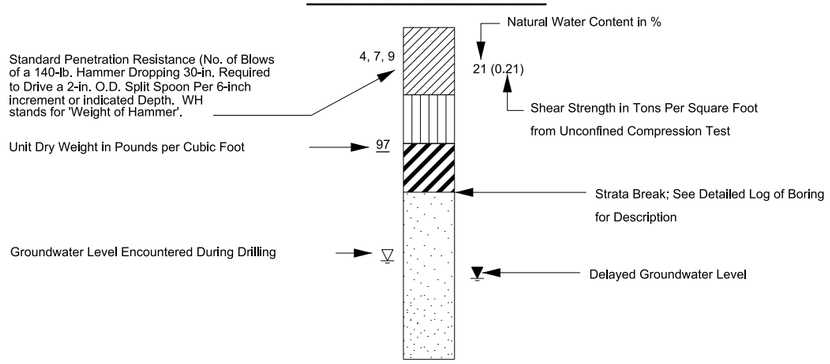
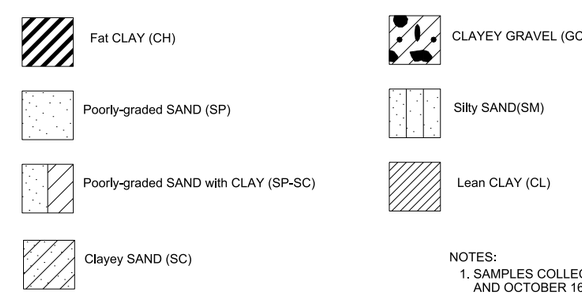


KEY TO GRAPHIC SYMBOLS



NOTES:
1. SAMPLES COLLECTED BETWEEN OCTOBER 14 AND OCTOBER 16, 2002
2. BORING LOGS IN ELEVATION DATUM NGVD 1929
3. STRATA BREAKS SHOWN ARE APPROXIMATE.

A1 BORING LOGS II
SCALE : NO SCALE

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Rock Island District

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	AS-BUILT AS OF MARCH 31 2015		

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Designed By: | Date: 2010/07/14
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Reviewed By: CEB | Solicitation Number: W912EK-10-B-0025

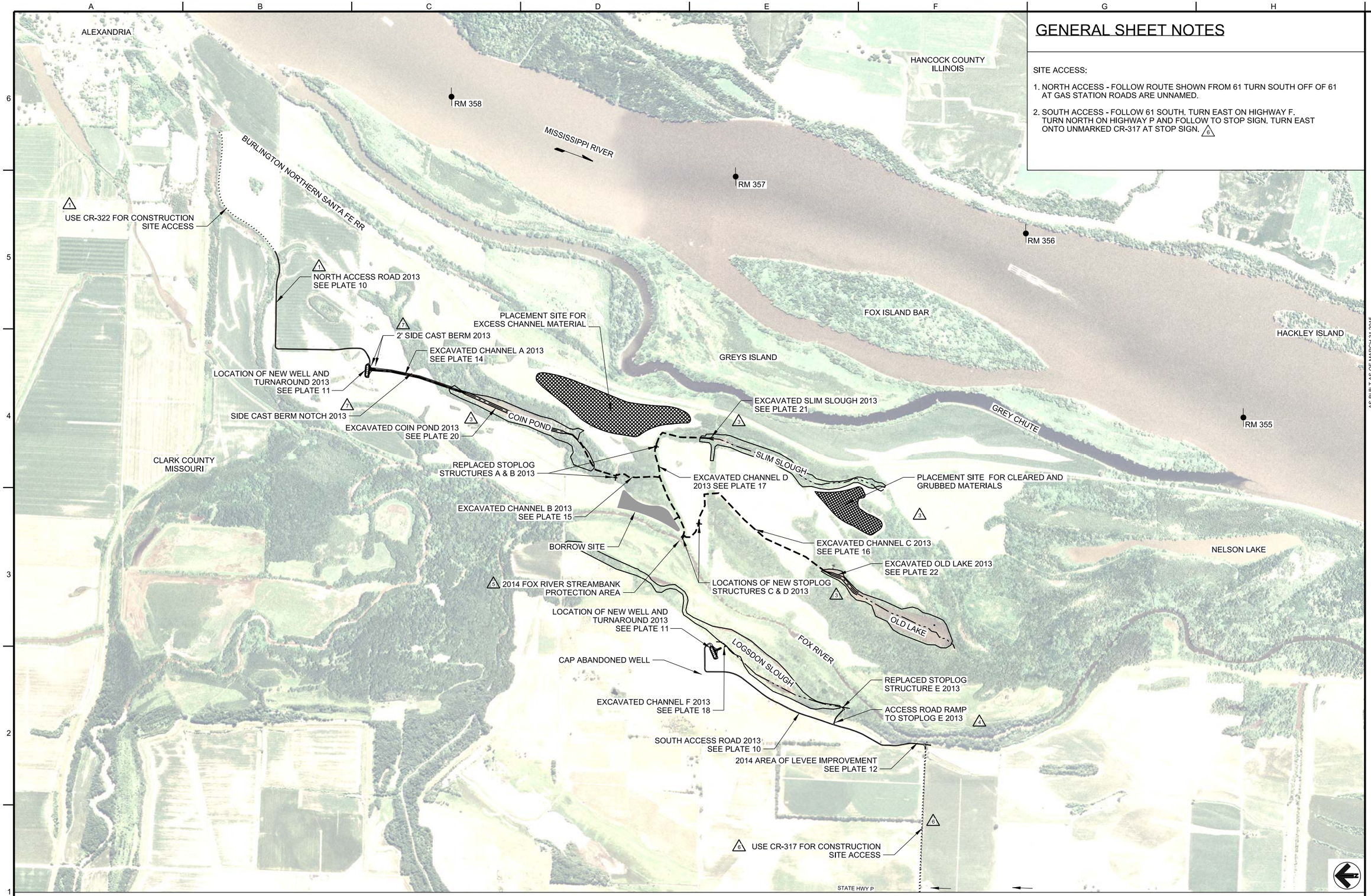
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
ROCK ISLAND, ILLINOIS

MISSISSIPPI RIVER
POOL 20 RM 358.5 TO 353.6
ALEXANDRIA, MO
FOX ISLAND HREP O & M MANUAL

BORING LOGS II

Sheet Reference Number:
PLATE 06

B5ECD.IMF
1/11/2016
PLATE 06.dgn



GENERAL SHEET NOTES

SITE ACCESS:

1. NORTH ACCESS - FOLLOW ROUTE SHOWN FROM 61 TURN SOUTH OFF OF 61 AT GAS STATION ROADS ARE UNNAMED.
2. SOUTH ACCESS - FOLLOW 61 SOUTH. TURN EAST ON HIGHWAY F. TURN NORTH ON HIGHWAY P AND FOLLOW TO STOP SIGN. TURN EAST ONTO UNMARKED CR-317 AT STOP SIGN. (6)

A1 SITE PLAN

SCALE : 1"=800'-0" 0 800' 1600'

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Rock Island District

AS-BUILT AS OF MARCH 31 2015

Symbol	Description	Date	Approved
7	MOD EA026 - ADD SIDE CAST BERM AND BERM NOTCH	04 NOV 12	ELS
6	MOD EA015 - UPDATE CR-317 REVISED NOTE	01 NOV 12	ELS
5	MOD EA014 - ADD NOTE	07/25/2012	ELS
4	MOD EA013 - ADD ACCESS ROAD RAMP	17 MAY 12	ELS/HLA
3	MOD EA008 - REMOVE CHANNEL E ADD POND EXCAVATIONS	02 MAR 12	ELS/HLA
2	MOD EA007 - REMOVAL OF STOPLOG (NOT SHOWN)	28 FEB 12	ELS/HLA
1	MOD QR001 - REVISED ROAD ROUTE AND REVOSED NOTES	25 APR 11	PJV/HLA

Revisions

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

Designed By: PJV		Date: 2010/07/14	
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Checked By: RCF		Project Code: EP98	
Reviewed By: HLA		Solicitation Number: W912EK-10-B-0025	

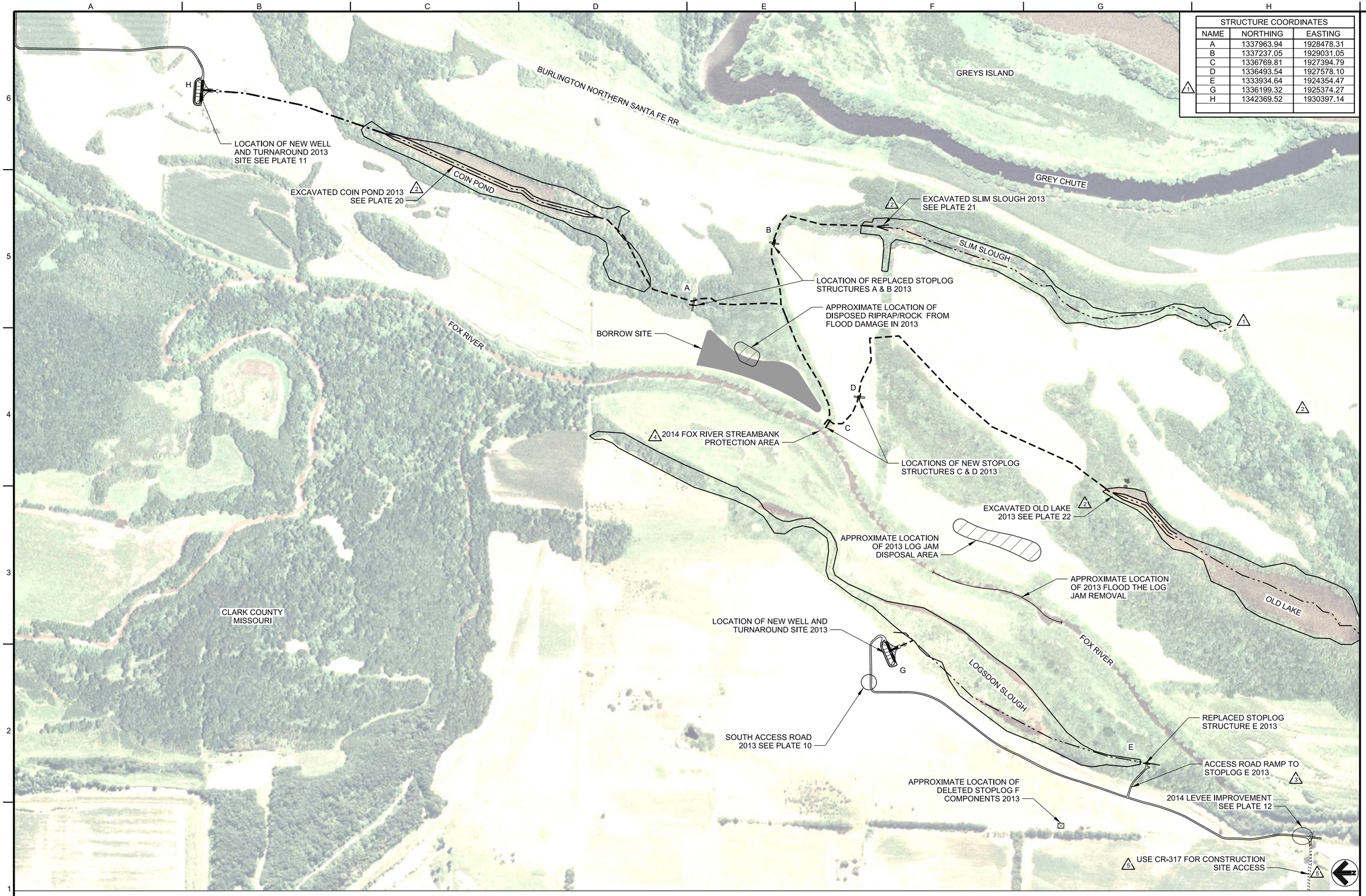
MISSISSIPPI RIVER
POOL 20 RM 358.5 TO 353.6
ALEXANDRIA, MO
FOX ISLAND HREP O & M MANUAL

SITE PLAN

Sheet Reference Number:
PLATE 07

B5ECDJMF
1/14/2016
PLATE 07.dgn

STRUCTURE COORDINATES		
NAME	NORTHING	EASTING
A	1337963.94	1928478.31
B	1337237.05	1929031.05
C	1336769.81	1927394.79
D	1336493.54	1927578.10
E	1333934.64	1924354.47
G	1336199.32	1925374.27
H	1342369.52	1930397.14



A1 FEATURE LOCATIONS

SCALE : 1"=400'-0" 0 400' 800'

B5ECD JMF
1/11/2016
PLATE 08.dgn

US Army Corps of Engineers®
Rock Island District

Symbol	Description	Date	Approved
4	AS-BUILT AS OF MARCH 31 2015	01 NOV 12	ELS
3	MOD EA018 - UPGRADE CR-317	07/25/2012	ELS
2	MOD EA014 - ADD NOTE	17 MAY 12	ELS/HLA
1	MOD EA013 - ADD ACCESS ROAD RAMP	02 MAR 12	ELS/HLA
	MOD EA008 - REMOVED CHANNEL E AND ADD EXCAVATION	28 FEB 12	ELS/HLA
	MOD EA007 - REMOVAL OF STOPLOG F		

Revisions

Designed By: PJV
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Reviewed By: HLA
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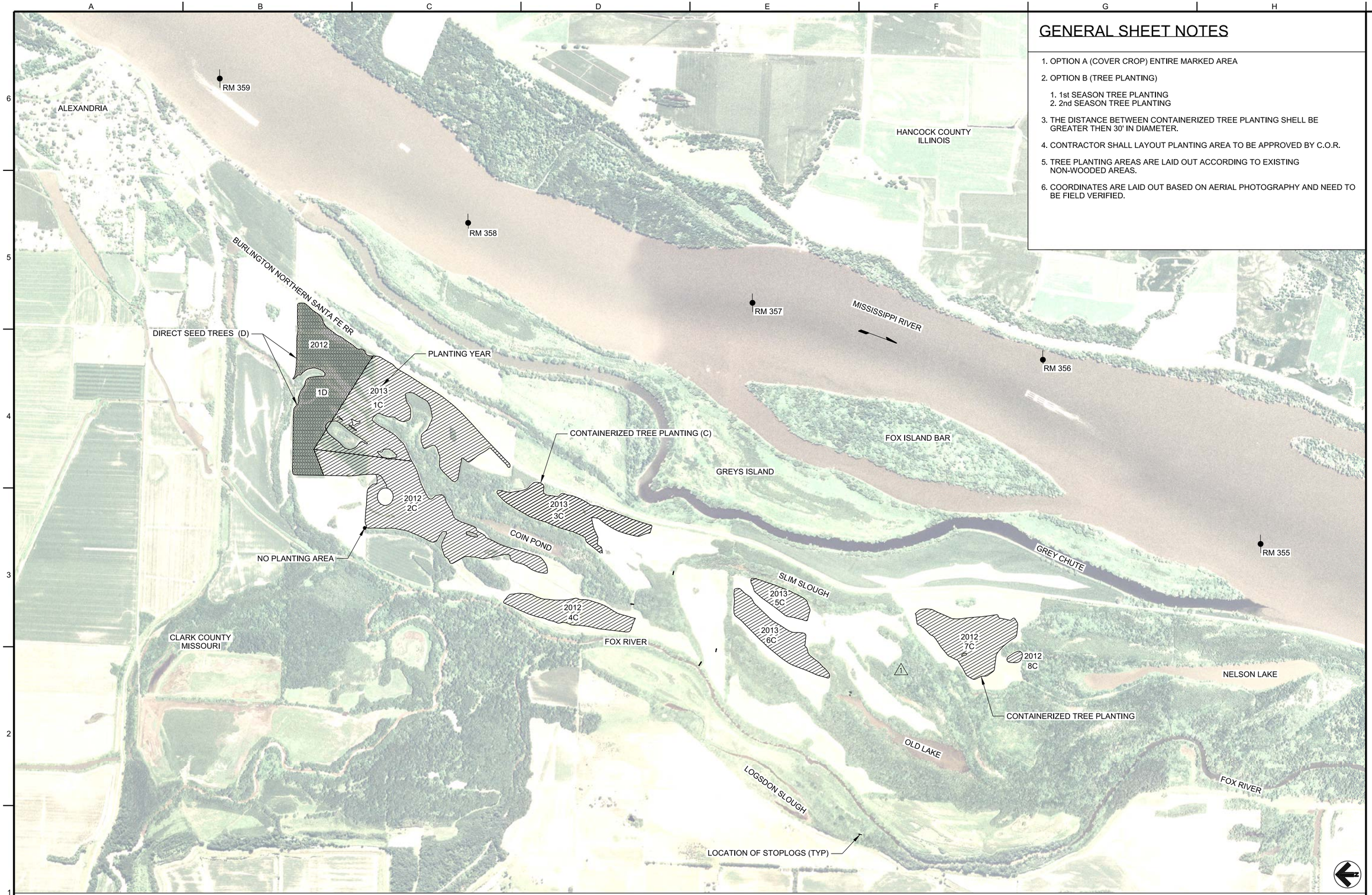
Project Code: EP98
Solicitation Number: W912EK-10-B-0025

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

MISSISSIPPI RIVER
POOL 20 RM 358.5 TO 353.6
ALEXANDRIA, MO
FOX ISLAND HREP O & M MANUAL

FEATURE LOCATIONS

Sheet Reference Number:
PLATE 08



GENERAL SHEET NOTES

1. OPTION A (COVER CROP) ENTIRE MARKED AREA
2. OPTION B (TREE PLANTING)
   1. 1st SEASON TREE PLANTING
   2. 2nd SEASON TREE PLANTING
3. THE DISTANCE BETWEEN CONTAINERIZED TREE PLANTING SHELL BE GREATER THEN 30' IN DIAMETER.
4. CONTRACTOR SHALL LAYOUT PLANTING AREA TO BE APPROVED BY C.O.R.
5. TREE PLANTING AREAS ARE LAID OUT ACCORDING TO EXISTING NON-WOODED AREAS.
6. COORDINATES ARE LAID OUT BASED ON AERIAL PHOTOGRAPHY AND NEED TO BE FIELD VERIFIED.

A1 OPTION A AND B SEEDING AND PLANTING PLAN

SCALE : 1"=800'-0"

0 800' 1600'

US Army Corps of Engineers ®
Rock Island District

Symbol	Description	Date	Approved
1	AS-BUILT AS OF MARCH 31 2015	30 OCT 12	ELS/HLA
2	EA017 - REVISED SEEDING AREAS	02 MAR 12	ELS/HLA
	FORMER CHANNEL E SEEDING AREA		

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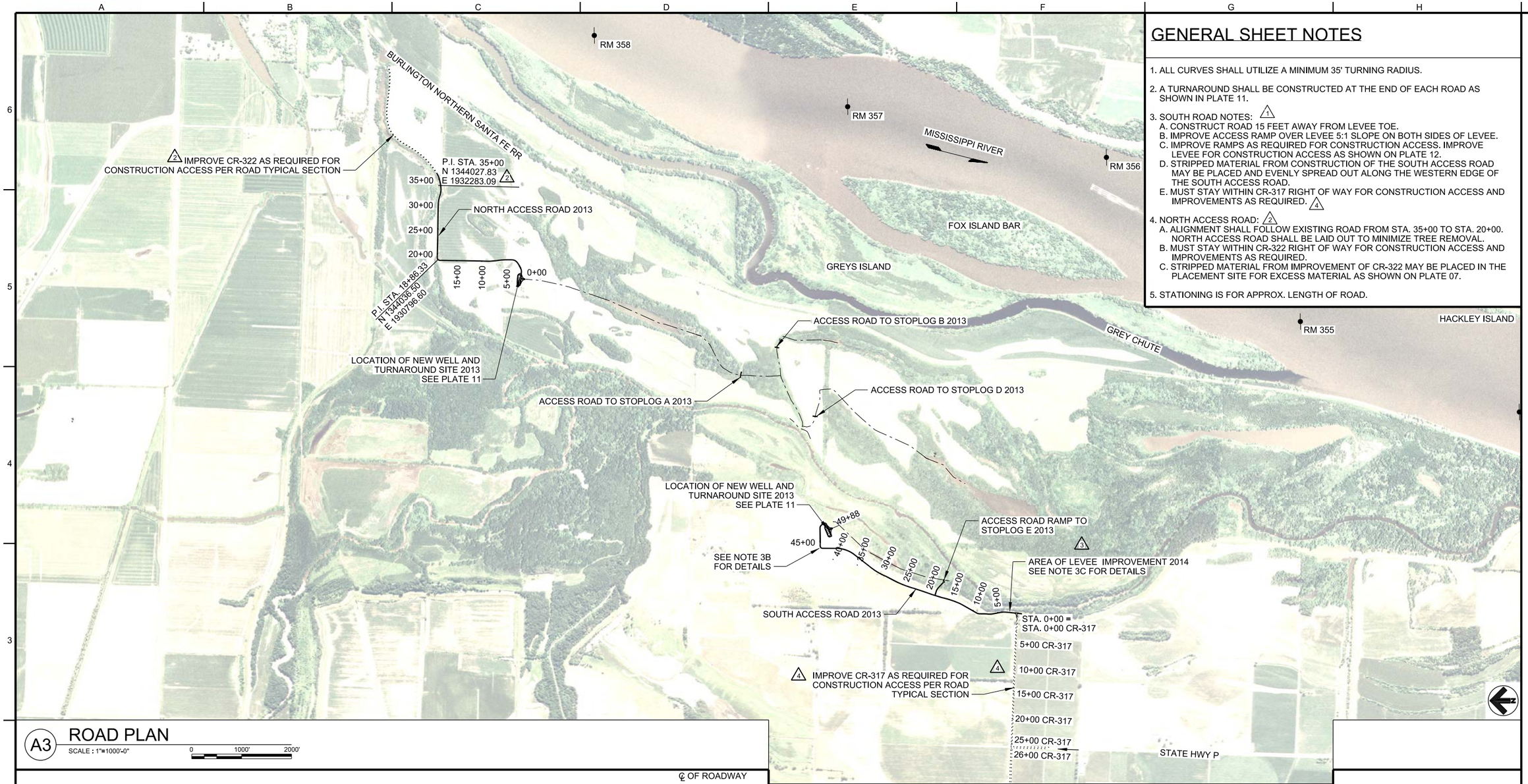
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
ROCK ISLAND, ILLINOIS

MISSISSIPPI RIVER
POOL 20 RM 358.5 TO 353.6
ALEXANDRIA, MO
FOX ISLAND HREP O & M MANUAL

OPTION A AND B SEEDING AND PLANTING PLAN

Sheet Reference Number:
PLATE 09

B5ECO.JMF
1/12/16
PLATE 09.dgn

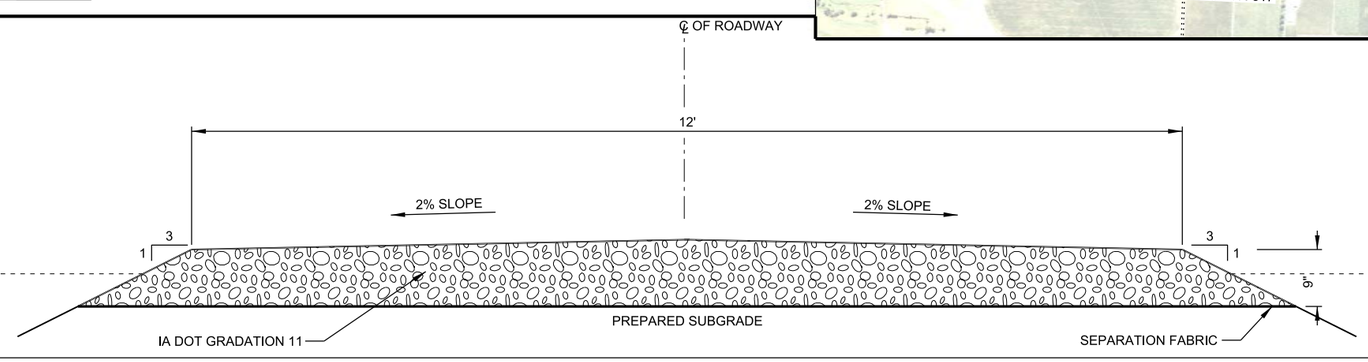


A3 ROAD PLAN

SCALE : 1"=1000'-0" 0 1000' 2000'

GENERAL SHEET NOTES

1. ALL CURVES SHALL UTILIZE A MINIMUM 35' TURNING RADIUS.
2. A TURNAROUND SHALL BE CONSTRUCTED AT THE END OF EACH ROAD AS SHOWN IN PLATE 11.
3. SOUTH ROAD NOTES: (1)
   A. CONSTRUCT ROAD 15 FEET AWAY FROM LEVEE TOE.
   B. IMPROVE ACCESS RAMP OVER LEVEE 5:1 SLOPE ON BOTH SIDES OF LEVEE.
   C. IMPROVE RAMPS AS REQUIRED FOR CONSTRUCTION ACCESS. IMPROVE LEVEE FOR CONSTRUCTION ACCESS AS SHOWN ON PLATE 12.
   D. STRIPPED MATERIAL FROM CONSTRUCTION OF THE SOUTH ACCESS ROAD MAY BE PLACED AND EVENLY SPREAD OUT ALONG THE WESTERN EDGE OF THE SOUTH ACCESS ROAD.
   E. MUST STAY WITHIN CR-317 RIGHT OF WAY FOR CONSTRUCTION ACCESS AND IMPROVEMENTS AS REQUIRED. (4)
4. NORTH ACCESS ROAD: (2)
   A. ALIGNMENT SHALL FOLLOW EXISTING ROAD FROM STA. 35+00 TO STA. 20+00. NORTH ACCESS ROAD SHALL BE LAID OUT TO MINIMIZE TREE REMOVAL.
   B. MUST STAY WITHIN CR-322 RIGHT OF WAY FOR CONSTRUCTION ACCESS AND IMPROVEMENTS AS REQUIRED.
   C. STRIPPED MATERIAL FROM IMPROVEMENT OF CR-322 MAY BE PLACED IN THE PLACEMENT SITE FOR EXCESS MATERIAL AS SHOWN ON PLATE 07.
5. STATIONING IS FOR APPROX. LENGTH OF ROAD.



A1 ROAD TYPICAL SECTION

SCALE : 1"=1'-0" 0 1' 2'

NOTE:

1. REMOVE ORGANIC MATERIALS APPROXIMATELY 6 INCHES.
2. (3) NO SEPARATION FABRIC ON THE CR-317 PORTION OF THE SOUTH ACCESS ROAD.

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Rock Island District

Symbol	Description	Date	Approved
	AS-BUILT AS OF MARCH 31 2015	2 NOV 12	ELS
1	MOD.EA018 - UPGRADE CR-317	17 MAY 12	ELS/HLA
2	MOD.EA013 - ADD ACCESS ROAD RAMP	25 APR 11	PJV/HLA
3	MOD.QR001 - REVISED ROAD ROUTE AND REVISED NOTES	08 SEP 10	PJV/HLA
4	AMD.0003 - NOTE CHANGE	08 SEP 10	PJV/HLA

Revisions

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

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Project Code: EP98
Solicitation Number: W912EK-10-B-0025

MISSISSIPPI RIVER
POOL 20 RM 358.5 TO 353.6
ALEXANDRIA, MO
FOX ISLAND HREP O & M MANUAL

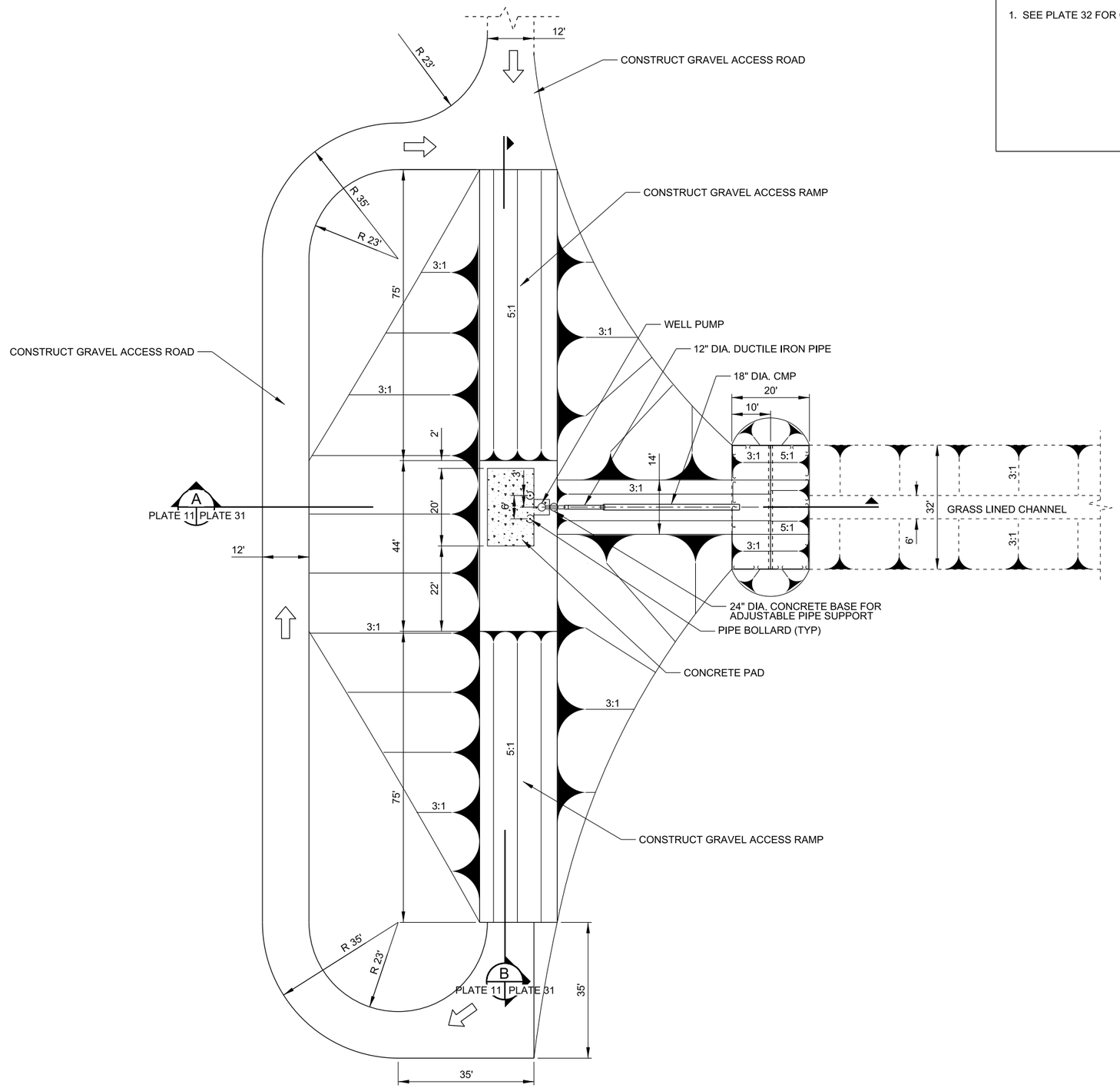
ACCESS ROAD PLAN AND TYPICAL SECTION

Sheet Reference Number:
PLATE 10

B5ECD.MF
1/11/2016
PLATE 10.dgn

GENERAL SHEET NOTE

1. SEE PLATE 32 FOR CONCRETE DETAILS.



A1 TYPICAL WELL AND TURNAROUND PLAN

SCALE : 1"=15'-0"

0 15' 30'

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Rock Island District

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	AS-BUILT AS OF MARCH 31 2015		

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U.S. ARMY ENGINEER DISTRICT
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MISSISSIPPI RIVER
POOL 20 RM 358.5 TO 353.6
ALEXANDRIA, MO
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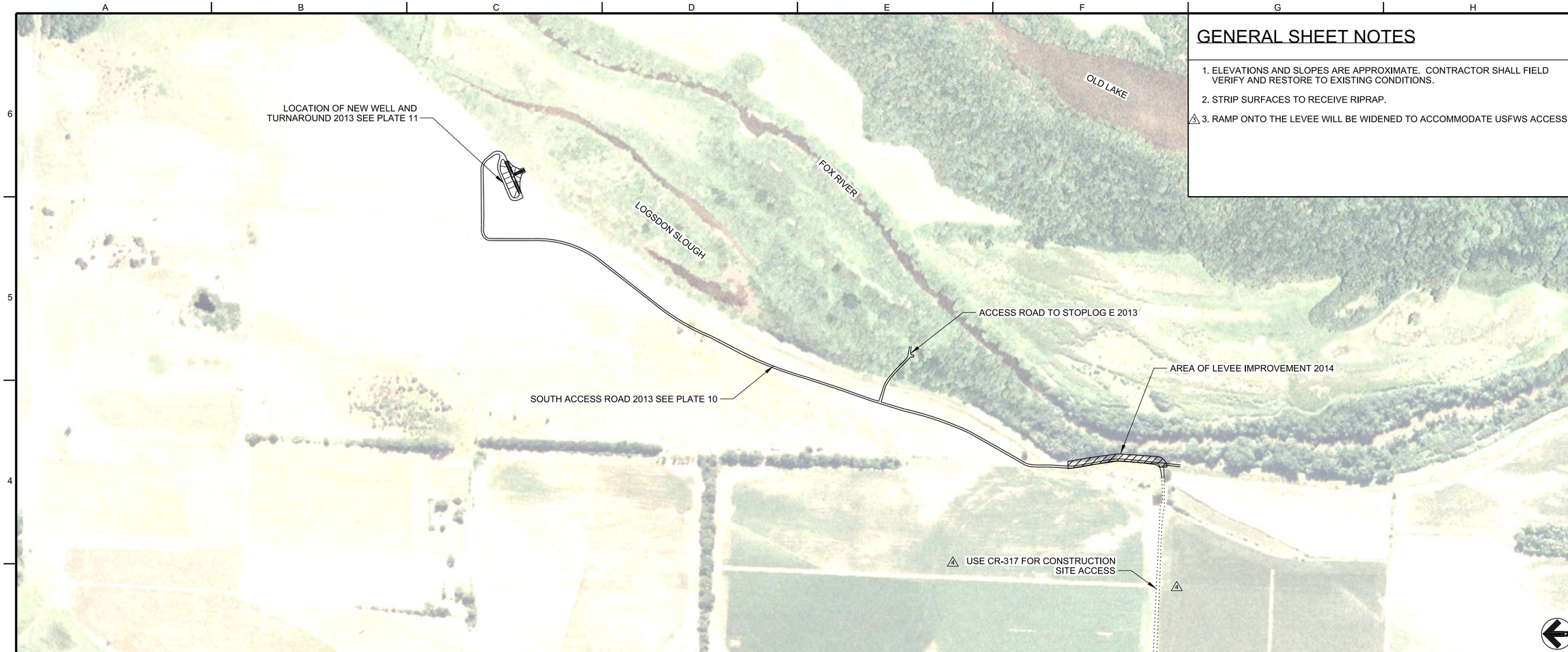
TYPICAL WELL AND TURNAROUND PLAN

Sheet Reference Number:
PLATE 11

B5ECD JMF
1/14/2015
PLATE 11.dgn

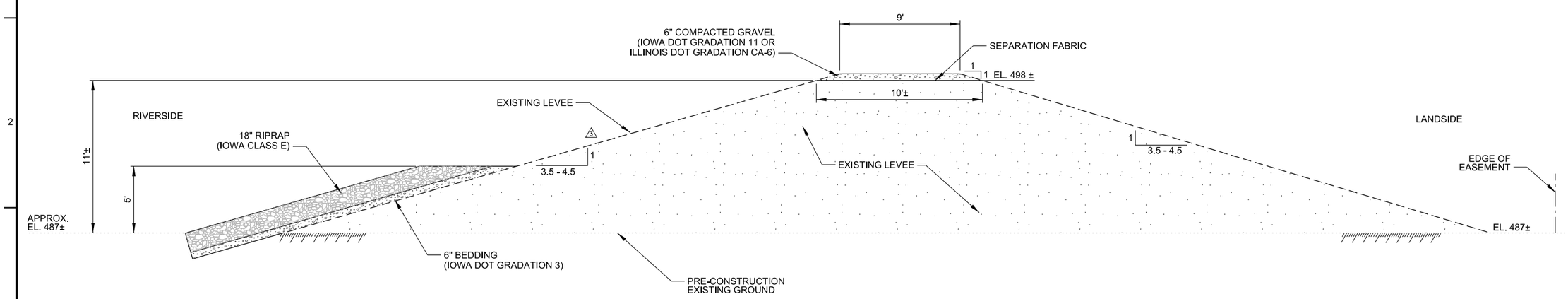
GENERAL SHEET NOTES

1. ELEVATIONS AND SLOPES ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY AND RESTORE TO EXISTING CONDITIONS.
2. STRIP SURFACES TO RECEIVE RIPRAP.
3. RAMP ONTO THE LEVEE WILL BE WIDENED TO ACCOMMODATE USFWS ACCESS.



A3 LEVEE IMPROVEMENT PLAN

SCALE : 1"=300'-0" (0 300' 600')



A1 TYPICAL SECTION

SCALE : 1"=4'-0" (0 4' 8')

US Army Corps of Engineers ®
Rock Island District

Symbol	Description	Date	Approved
	AS-BUILT AS OF MARCH 31 2015		
4	MOD EA018 - UPGRADE CR-317	01 NOV 12	ELS
3	MOD EA009 - REVISED LEVEE NOTES & WIDTH OF ACCESS ROAD	01 MAR 12	ELS/HLA
2	MOD EA006 - LEVEE IMPROVEMENTS - ACCESS REVISED (NOT SHOWN)	19 JAN 12	ELS/HLA
1	MOD EA003 REVISE TYPICAL SECTION (NOT SHOWN)	05 DEC 11	ELS

Revisions

Designed By: PJV
Drawn By: JMF
Checked By: RCF
Reviewed By: HLA
Date: 2010/07/14
Scale: AS SHOWN
Project Code: EP98
Solicitation Number: W912EK-10-B-0025

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

MISSISSIPPI RIVER
POOL 20 RM 358.5 TO 353.6
ALEXANDRIA, MO
FOX ISLAND HREP O & M MANUAL

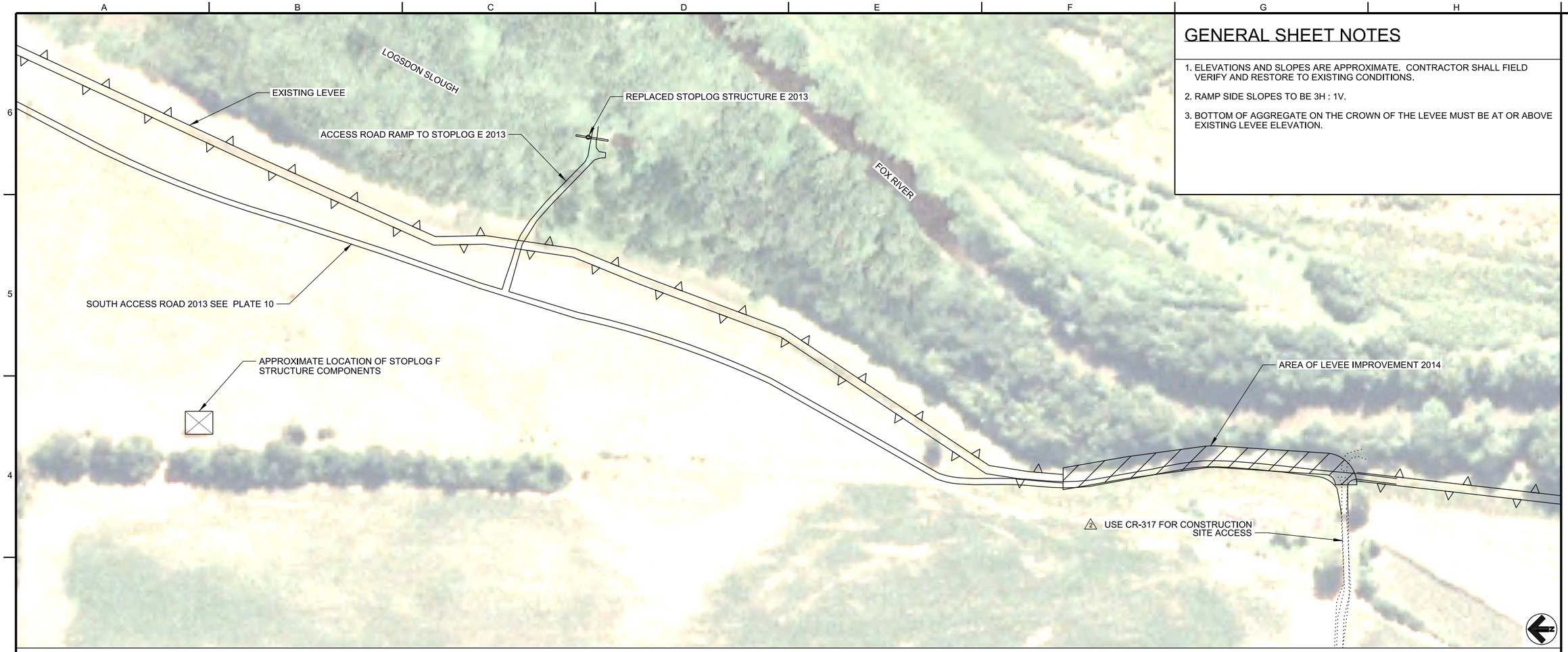
LEVEE IMPROVEMENT PLAN AND TYPICAL SECTION

Sheet Reference Number:
PLATE 12

B5ECD.JMF
1/11/2015
PLATE 12.dgn

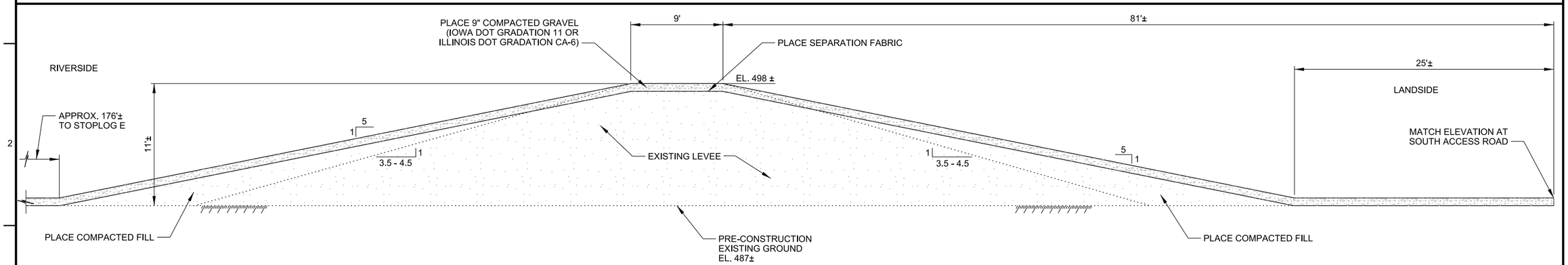
GENERAL SHEET NOTES

1. ELEVATIONS AND SLOPES ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY AND RESTORE TO EXISTING CONDITIONS.
2. RAMP SIDE SLOPES TO BE 3H : 1V.
3. BOTTOM OF AGGREGATE ON THE CROWN OF THE LEVEE MUST BE AT OR ABOVE EXISTING LEVEE ELEVATION.



A3 STOPLOG E ACCESS RAMP PLAN

SCALE : 1"=100'-0" 0 100' 200'



A1 TYPICAL SECTION

SCALE : 1"=5'-0" 0 5' 10'

US Army Corps of Engineers®
Rock Island District

Symbol	Description	Date	Approved
1	AS-BUILT AS OF MARCH 31 2015	01 NOV 12	ELS
2	MOD-EA018 - UPGRADE CR-317	17 MAY 12	ELS/HLA
3	MOD-EA013 - NEW SHEET - ADD ACCESS RAMP		

Revisions

Designed By: PJV
Drawn By: JMF
Checked By: RCF
Reviewed By: HLA
Date: 2010/07/14
Scale: AS SHOWN
Project Code: EP98
Solicitation Number: W912EK-10-B-0025

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

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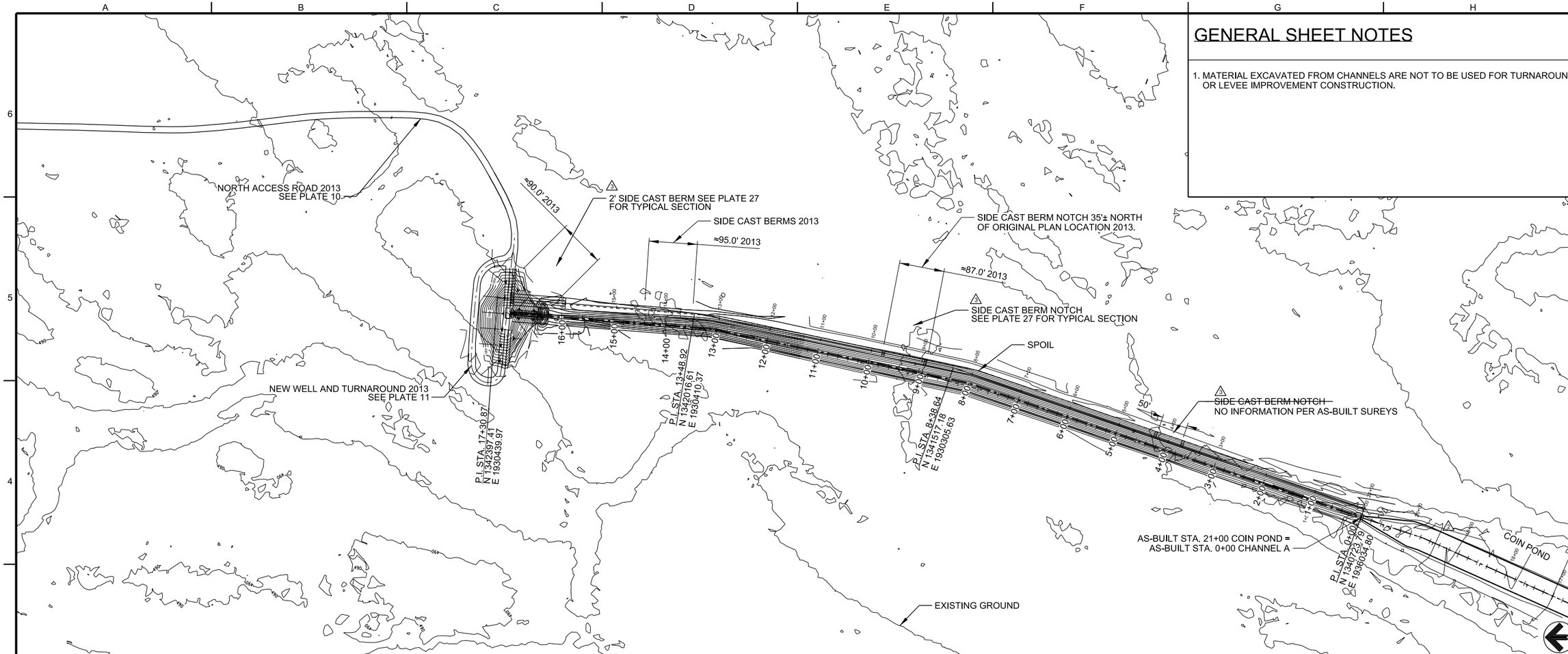
STOPLOG E ACCESS RAMP PLAN AND PROFILE

Sheet Reference Number:
PLATE 13

B5ECD JMF
1/11/2013
PLATE 13.dgn

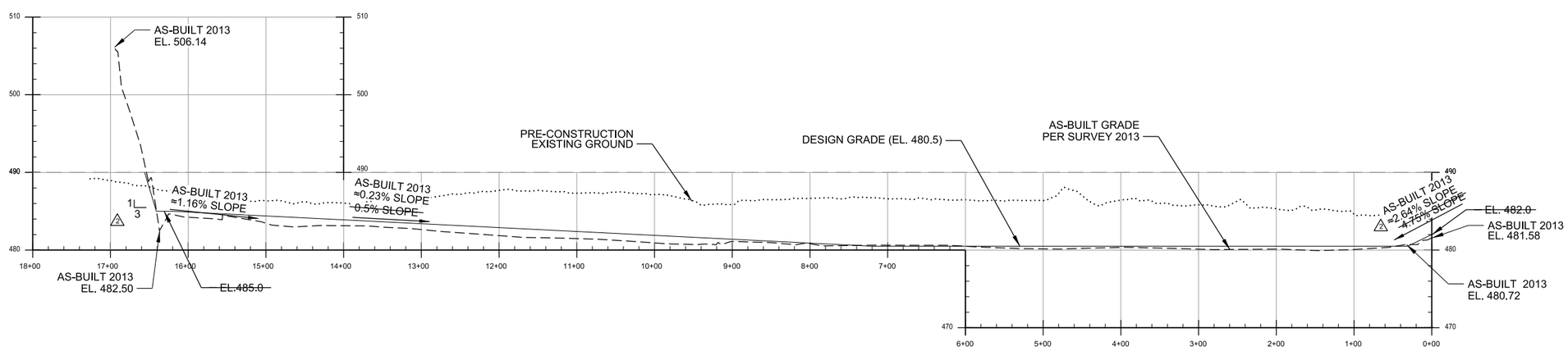
GENERAL SHEET NOTES

1. MATERIAL EXCAVATED FROM CHANNELS ARE NOT TO BE USED FOR TURNAROUND OR LEVEE IMPROVEMENT CONSTRUCTION.



A3 CHANNEL A PLAN

SCALE : 1"=100'-0" 0 100' 200'



A1 CHANNEL A PROFILE

SCALE : 1"=80'-0" 0 80' 160'

US Army Corps of Engineers ®
Rock Island District

Symbol	Description	Date	Approved
	AS-BUILT AS OF MARCH 31 2015		
3	MOD.EA023 - ADD SIDE CAST BERM AND BERM NOTCH	04 OCT 13	ELS
2	MOD.EA008 - EXTENDED CHANNEL AND REVISED SLOPE	02 MAR 12	ELS/HLA
1	MOD.QR002 - REVISED DESIGN GRADE	08 JUL 11	ELS/HLA

Revisions

Designed By: PJV	Date: 2010/07/14		
Drawn By: JMF	Scale: AS SHOWN		
Checked By: RCF	Project Code: EP98		
Reviewed By: HLA	Solicitation Number: W912EK-10-B-0025		

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

MISSISSIPPI RIVER
POOL 20 RM 358.5 TO 353.6
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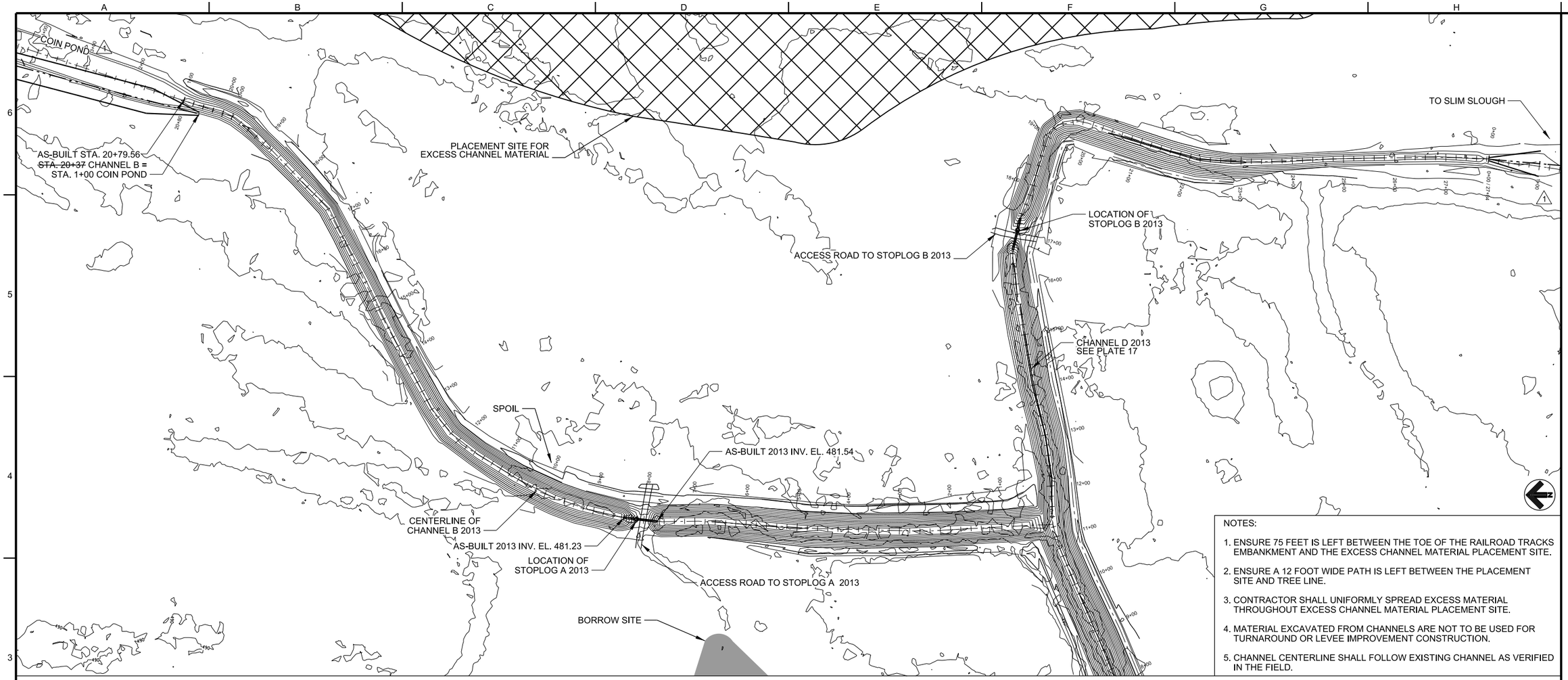
FOX ISLAND HREP O & M MANUAL

CHANNEL A PLAN AND PROFILE

Sheet Reference Number:
PLATE 14

B5ECD.JMF
7/14/2014
PLATE 14.dgn

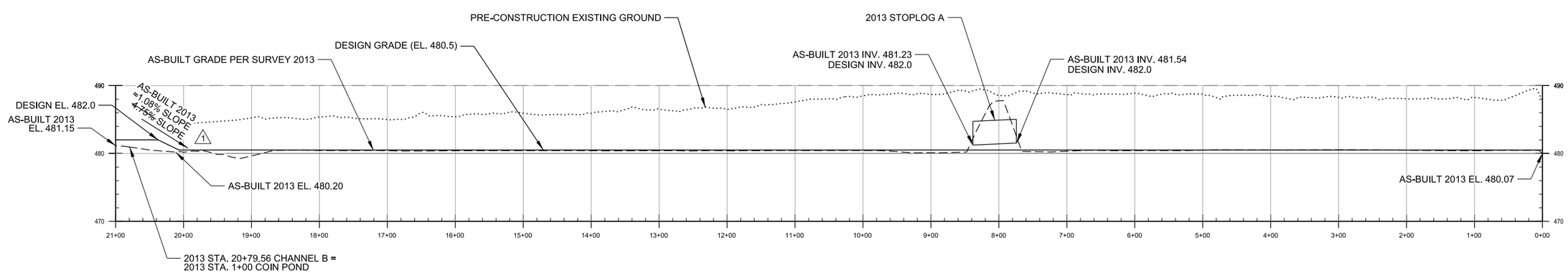


NOTES:

1. ENSURE 75 FEET IS LEFT BETWEEN THE TOE OF THE RAILROAD TRACKS EMBANKMENT AND THE EXCESS CHANNEL MATERIAL PLACEMENT SITE.
2. ENSURE A 12 FOOT WIDE PATH IS LEFT BETWEEN THE PLACEMENT SITE AND TREE LINE.
3. CONTRACTOR SHALL UNIFORMLY SPREAD EXCESS MATERIAL THROUGHOUT EXCESS CHANNEL MATERIAL PLACEMENT SITE.
4. MATERIAL EXCAVATED FROM CHANNELS ARE NOT TO BE USED FOR TURNAROUND OR LEVEE IMPROVEMENT CONSTRUCTION.
5. CHANNEL CENTERLINE SHALL FOLLOW EXISTING CHANNEL AS VERIFIED IN THE FIELD.

A3 CHANNEL B PLAN

SCALE : 1"=100'-0" 0 100' 200'



A1 CHANNEL B PROFILE

SCALE : 1"=80'-0" 0 80' 160'

US Army Corps of Engineers ®
Rock Island District

Symbol	Description	Date	Approved
1	AS-BUILT AS OF MARCH 31 2015 MOD-EA008 - POND-EXCAVATION & REVISE SLOPE	02-MAR-12	ELS/HLA

Revisions

Date: 2010/07/14
Scale: AS SHOWN
Project Code: EP98
Solicitation Number: W912EK-10-B-0025
Designed By: PJV
Drawn By: JMF
Checked By: RCF
Reviewed By: HLA

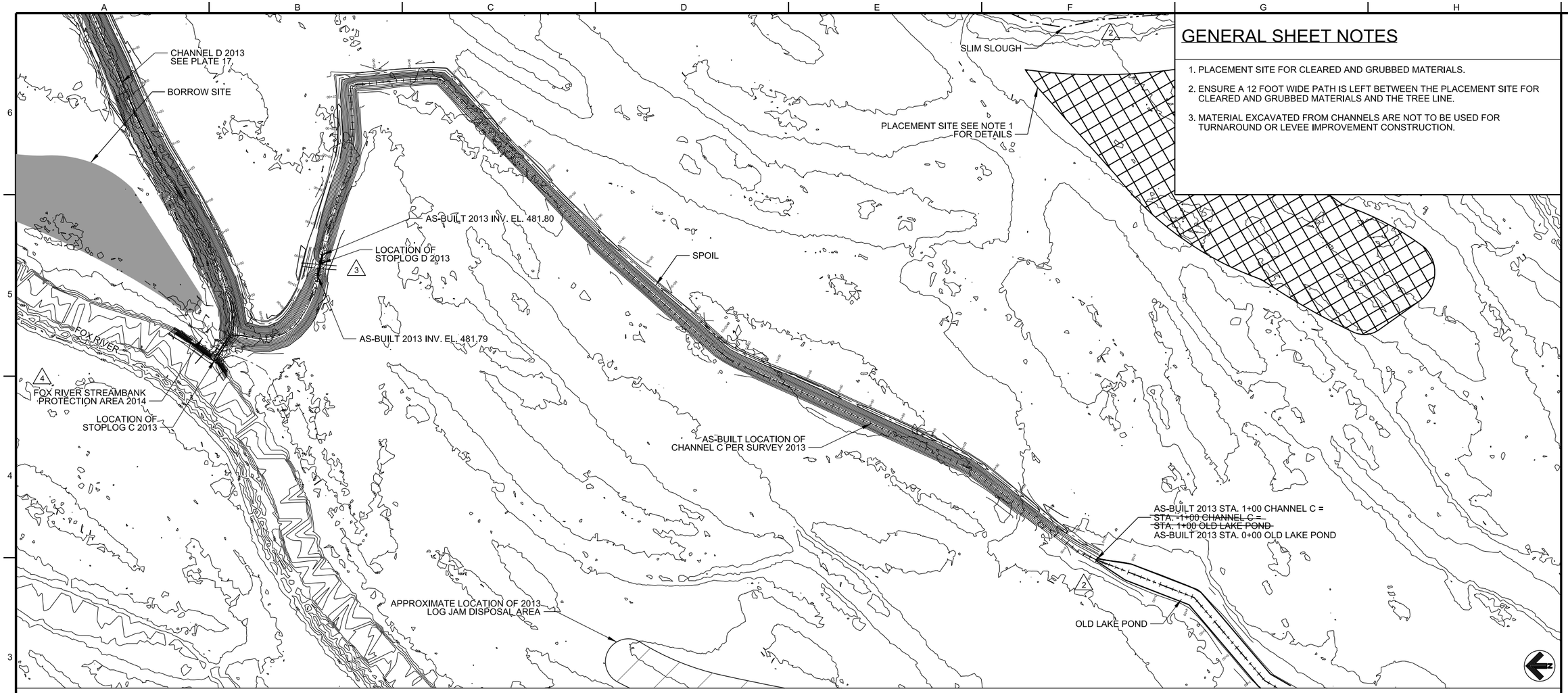
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
ROCK ISLAND, ILLINOIS

MISSISSIPPI RIVER
POOL 20 RM 358.5 TO 353.6
ALEXANDRIA, MO
FOX ISLAND HREP O & M MANUAL

CHANNEL B PLAN AND PROFILE

Sheet Reference Number:
PLATE 15

B5ECD JMF
1/11/2011
PLATE 15.dgn

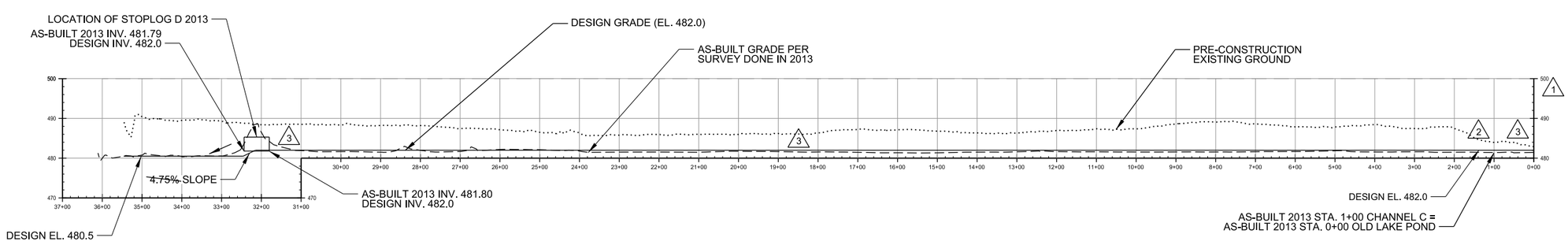


GENERAL SHEET NOTES

1. PLACEMENT SITE FOR CLEARED AND GRUBBED MATERIALS.
2. ENSURE A 12 FOOT WIDE PATH IS LEFT BETWEEN THE PLACEMENT SITE FOR CLEARED AND GRUBBED MATERIALS AND THE TREE LINE.
3. MATERIAL EXCAVATED FROM CHANNELS ARE NOT TO BE USED FOR TURNAROUND OR LEVEE IMPROVEMENT CONSTRUCTION.

A3 CHANNEL C PLAN

SCALE : 1"=150'-0" 0 150' 300'



A1 CHANNEL C PROFILE

SCALE : 1"=150'-0" 0 150' 300'

US Army Corps of Engineers ®
Rock Island District

Symbol	Description	Date	Approved
4	MOD EA014 - ADDED NOTE	07/25/2012	ELS
3	MOD EA010 - CHANNEL C CLAY LINER & REMOVE SLOPE	12 MAR 12	ELS/HLA
2	MOD EA008 - EXTENDED CHANNELS, DREDGING & REVISE SLOPE	02 MAR 12	ELS/HLA
1	AMD 0002 - CHANNEL PROFILE UPDATED	16 AUG 10	PJV/RCF

Revisions

Date: 2010/07/14
Scale: AS SHOWN
Project Code: EP98
Solicitation Number: W912EK-10-B-0025

Designed By: PJV
Drawn By: JMF
Checked By: RCF
Reviewed By: HLA

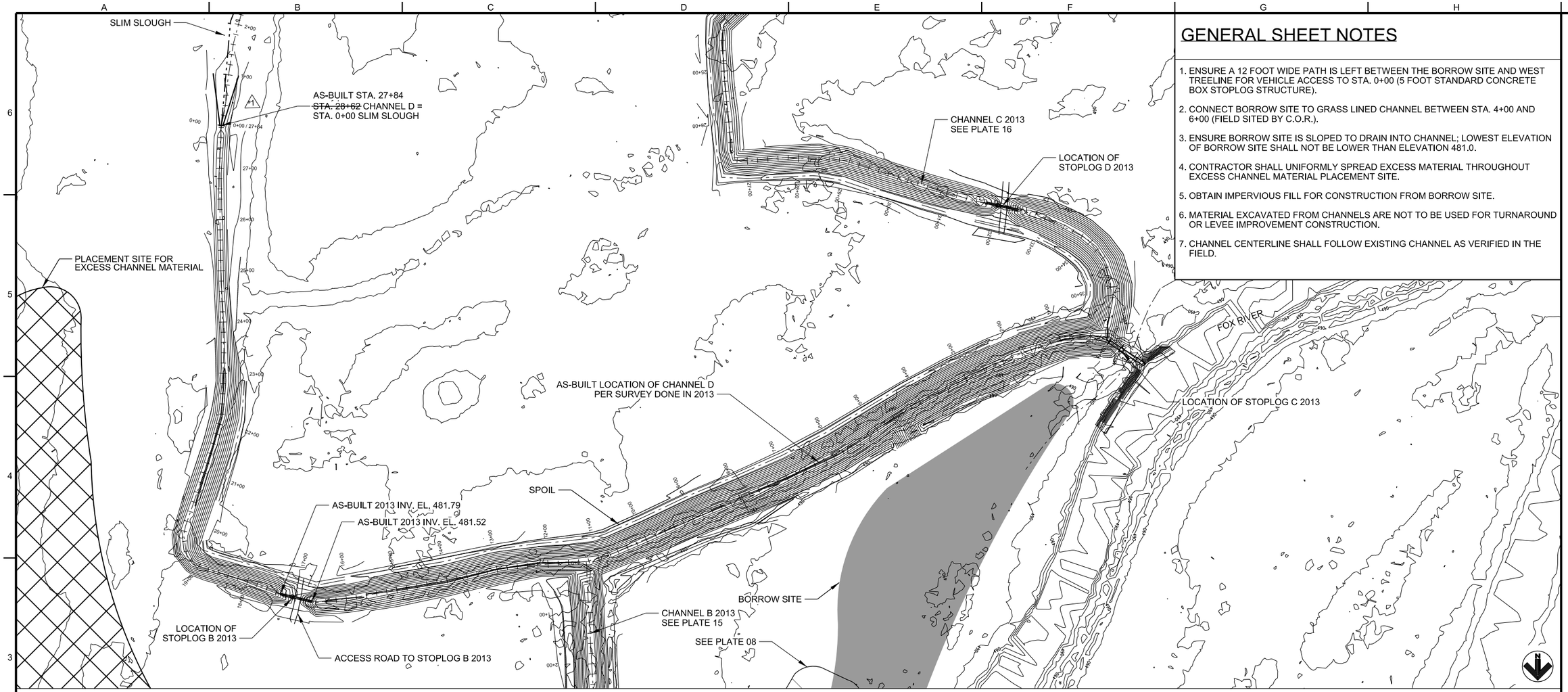
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
ROCK ISLAND, ILLINOIS

MISSISSIPPI RIVER
POOL 20 RM 358.5 TO 353.6
ALEXANDRIA, MO
FOX ISLAND HREP O & M MANUAL

CHANNEL C PLAN AND PROFILE

Sheet Reference Number:
PLATE 16

B5ECDJMF
1/11/2016
PLATE 16.dgn

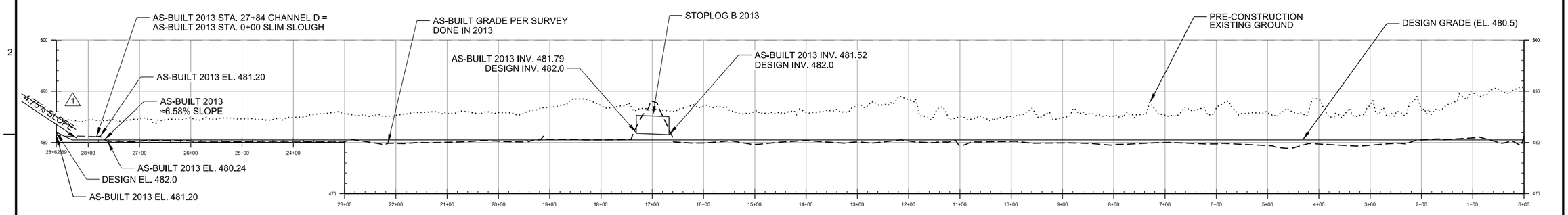


A3 CHANNEL D PLAN

SCALE : 1"=100'-0" 0 100' 200'

GENERAL SHEET NOTES

1. ENSURE A 12 FOOT WIDE PATH IS LEFT BETWEEN THE BORROW SITE AND WEST TREELINE FOR VEHICLE ACCESS TO STA. 0+00 (5 FOOT STANDARD CONCRETE BOX STOPLOG STRUCTURE).
2. CONNECT BORROW SITE TO GRASS LINED CHANNEL BETWEEN STA. 4+00 AND 6+00 (FIELD SITED BY C.O.R.).
3. ENSURE BORROW SITE IS SLOPED TO DRAIN INTO CHANNEL; LOWEST ELEVATION OF BORROW SITE SHALL NOT BE LOWER THAN ELEVATION 481.0.
4. CONTRACTOR SHALL UNIFORMLY SPREAD EXCESS MATERIAL THROUGHOUT EXCESS CHANNEL MATERIAL PLACEMENT SITE.
5. OBTAIN IMPERVIOUS FILL FOR CONSTRUCTION FROM BORROW SITE.
6. MATERIAL EXCAVATED FROM CHANNELS ARE NOT TO BE USED FOR TURNAROUND OR LEVEE IMPROVEMENT CONSTRUCTION.
7. CHANNEL CENTERLINE SHALL FOLLOW EXISTING CHANNEL AS VERIFIED IN THE FIELD.



A1 CHANNEL D PROFILE

SCALE : 1"=100'-0" 0 100' 200'

US Army Corps of Engineers ®
Rock Island District

Symbol	Description	Date	Approved
1	AS-BUILT AS OF MARCH 31 2015 MOD-EA008 - POND EXCAVATION AND REVISE SLOPE	02 MAR 12	ELS/HLA

Revisions

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Checked By: RCF	Project Code: EP98		
Reviewed By: HLA	Solicitation Number: W912EK-10-B-0025		

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

MISSISSIPPI RIVER
POOL 20 RM 358.5 TO 353.6
ALEXANDRIA, MO
FOX ISLAND HREP O & M MANUAL

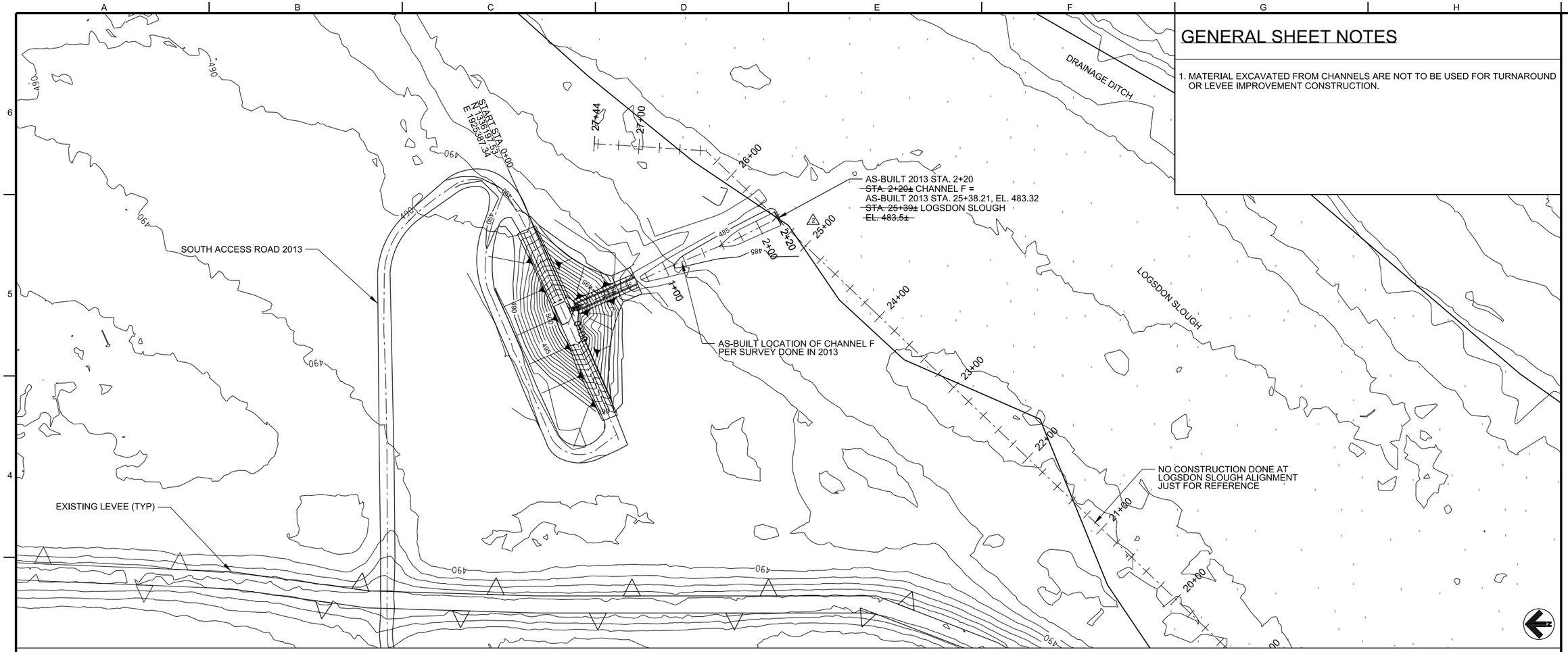
CHANNEL D PLAN AND PROFILE

Sheet Reference Number:
PLATE 17

B5ECDJMF
1/12/2016
PLATE 17.dgn

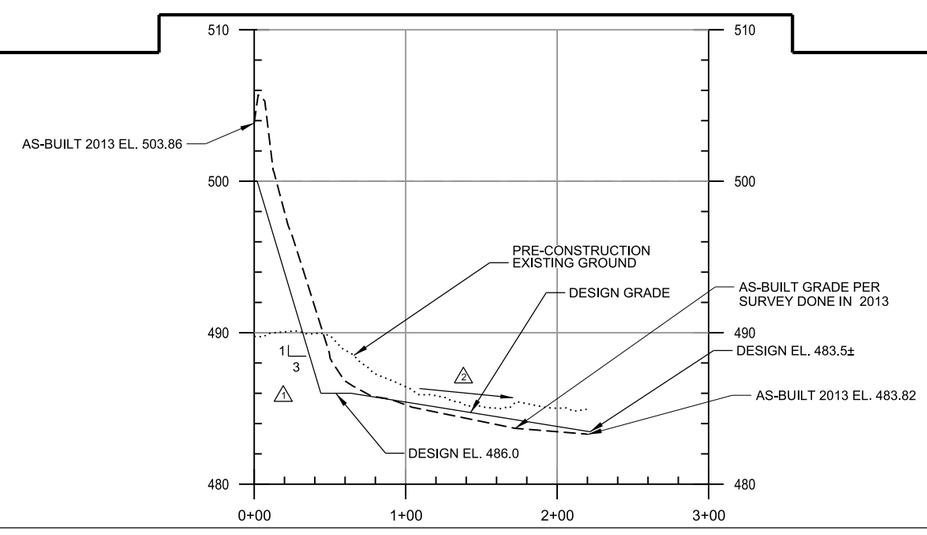
GENERAL SHEET NOTES

1. MATERIAL EXCAVATED FROM CHANNELS ARE NOT TO BE USED FOR TURNAROUND OR LEVEE IMPROVEMENT CONSTRUCTION.



A3 CHANNEL F PLAN

SCALE : 1"=50'-0" 0 50' 100'



A1 CHANNEL F PROFILE

SCALE : 1"=50'-0" 0 50' 100'

US Army Corps of Engineers ®
Rock Island District

Symbol	Description	Date	Approved
1	AS-BUILT AS OF MARCH 31 2015	02 MAR 12	ELS/HLA
2	MOD.EA008 - REVISED DESIGN SLOPE, NOTES & ADD LOGSDON SLOUGH CENTERLINE	08 JUL 11	ELS/HLA
3	MOD.QR002 - REVISED DESIGN GRADE		

Revisions

Designed By: PJV
Drawn By: JMF
Checked By: RCF
Reviewed By: HLA
Date: 2010/07/14
Scale: AS SHOWN
Project Code: EP98
Solicitation Number: W912EK-10-B-0025

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

MISSISSIPPI RIVER
POOL 20 RM 358.5 TO 353.6
ALEXANDRIA, MO
FOX ISLAND HREP O & M MANUAL

CHANNEL F PLAN AND PROFILE

Sheet Reference Number:
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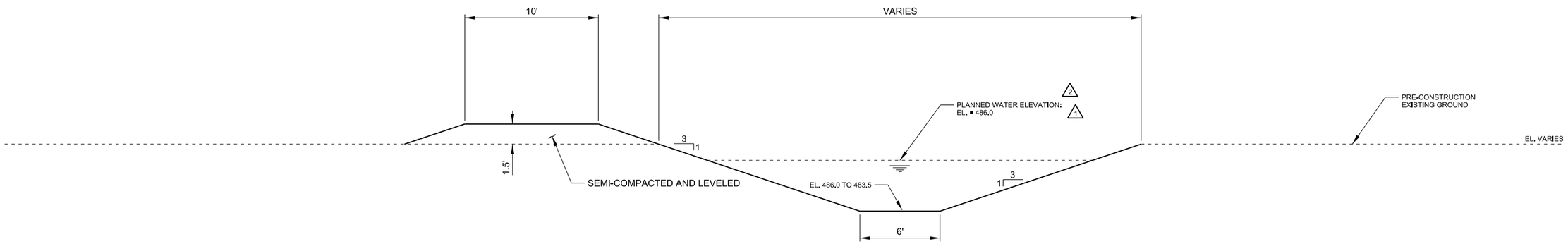
B5ECD JMF
1/11/2016
PLATE 18.dgn

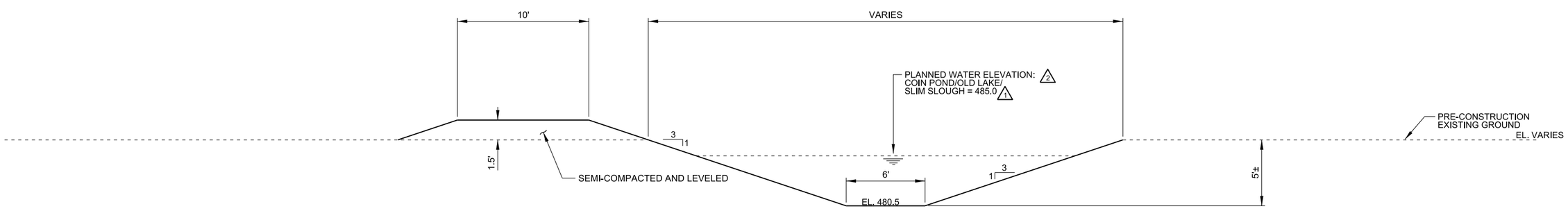


NOTE:

1. TREES ARE TO BE REMOVED AS NEEDED TO ACHIEVE 10' WIDTH FOR SPOIL PILE AS SHOWN ON TYPICAL SECTION.

A4 CHANNEL F TYPICAL SECTION

SCALE : 1"=4'-0" (0, 4', 8')



NOTE:

1. TREES ARE TO BE REMOVED AS NEEDED TO ACHIEVE 10' WIDTH FOR SPOIL PILE AS SHOWN ON TYPICAL SECTION.

A1 CHANNELS A, B, C, & D TYPICAL SECTION

SCALE : 1"=4'-0" (0, 4', 8')

US Army Corps of Engineers ®
Rock Island District

Symbol	Description	Date	Approved
1	AS-BUILT AS OF MARCH 31 2015	01 MAR 12	ELS/HLA
2	MOD-EA008 - REVISED NOTES & NEW TYPICAL SECTION	28 FEB 12	ELS/HLA
1	MOD-EA007 - WATER ELEVATION CHANGE		

Revisions

Designed By: PJV
Drawn By: JMF
Checked By: RCF
Reviewed By: HLA
Date: 2010/07/14
Scale: AS SHOWN
Project Code: EP98
Solicitation Number: W912EK-10-B-0025

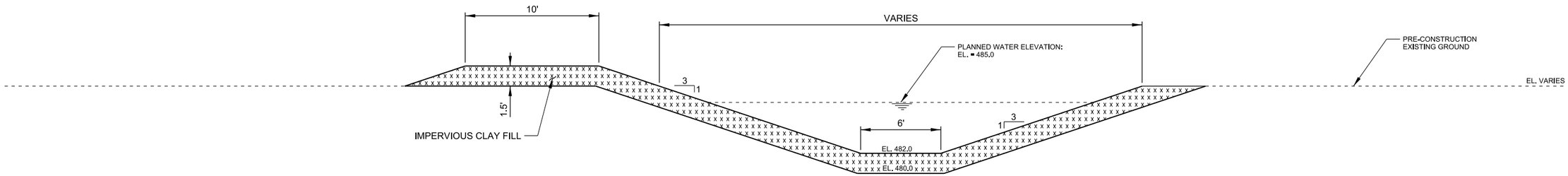
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
ROCK ISLAND, ILLINOIS

MISSISSIPPI RIVER
POOL 20 RM 358.5 TO 353.6
ALEXANDRIA, MO
FOX ISLAND HREP O & M MANUAL

CHANNEL TYPICAL SECTION

Sheet Reference Number:
PLATE 19

B5ECD.MF
1/11/2016
PLATE 19.dgn

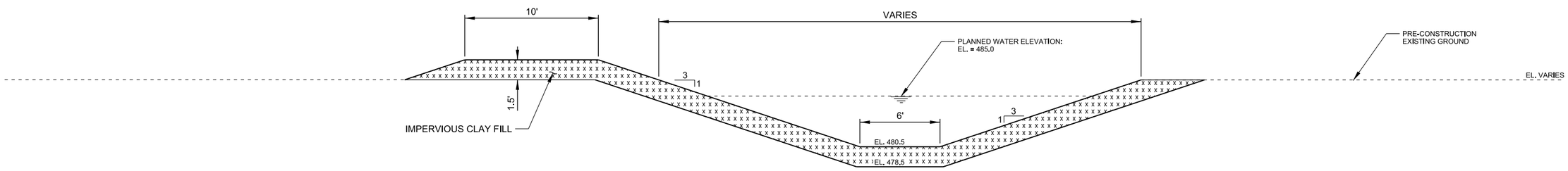


NOTE:

1. TREES ARE TO BE REMOVED AS NEEDED TO ACHIEVE 10' WIDTH FOR SPOIL PILE AS SHOWN ON TYPICAL SECTION.
2. IMPERVIOUS FILL TO BE PLACED IN AT LEAST 2 LIFTS AND COMPACTED w/3 PASSES OF TRACKED EQUIPMENT.

A5 CHANNEL C CLAY LINER TYPICAL SECTION - STA. 0+00 TO STA. 31+91±

SCALE : 1"=4'-0"

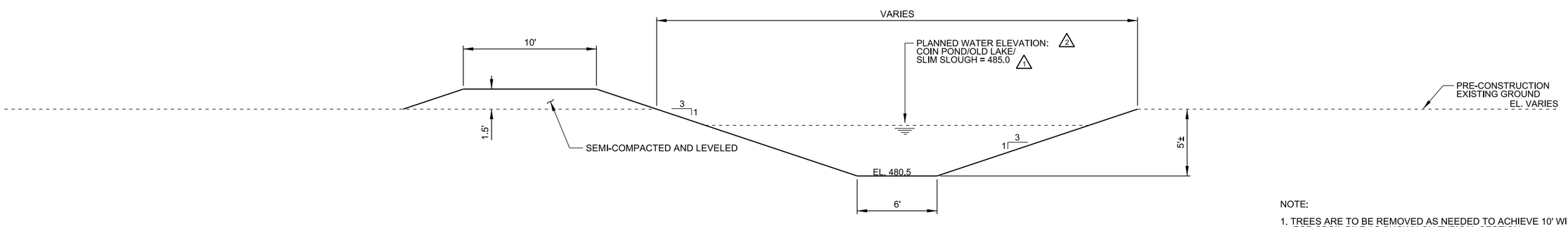


NOTE:

1. TREES ARE TO BE REMOVED AS NEEDED TO ACHIEVE 10' WIDTH FOR SPOIL PILE AS SHOWN ON TYPICAL SECTION.
2. IMPERVIOUS FILL TO BE PLACED IN AT LEAST 2 LIFTS AND COMPACTED w/3 PASSES OF TRACKED EQUIPMENT.

A3 CHANNEL C CLAY LINER TYPICAL SECTION - STA. 31+91± TO STA. 35+46

SCALE : 1"=4'-0"



NOTE:

1. TREES ARE TO BE REMOVED AS NEEDED TO ACHIEVE 10' WIDTH FOR SPOIL PILE AS SHOWN ON TYPICAL SECTION.

A1 CHANNELS A, B, & D TYPICAL SECTION 2

SCALE : 1"=4'-0"

B5ECDJMF
1/11/2019
PLATE 19.1.dgn

US Army Corps of Engineers ®
Rock Island District

Symbol	Description	Date	Approved
1	AS-BUILT AS OF MARCH 31 2015		
2	MOD-EA010 - NEW SHEET AND CLAY LINER TYPICAL SECTION	12 MAR 12	ELS/HLA
3	MOD-EA008 - REVISED NOTES & NEW TYPICAL SECTION	01 MAR 12	ELS/HLA
4	MOD-EA007 - WATER ELEVATION CHANGE	28 FEB 12	ELS/HLA

Revisions

Designed By: PJV	Date: 2010/07/14		
Drawn By: JMF	Scale: AS SHOWN		
Checked By: RCF	Project Code: EP98		
Reviewed By: HLA	Solicitation Number: W912EK-10-B-0025		

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

MISSISSIPPI RIVER
POOL 20 RM 358.5 TO 353.6
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CHANNEL TYPICAL SECTION & CLAY LINER TYPICAL SECTIONS

Sheet Reference Number:
PLATE 19.1