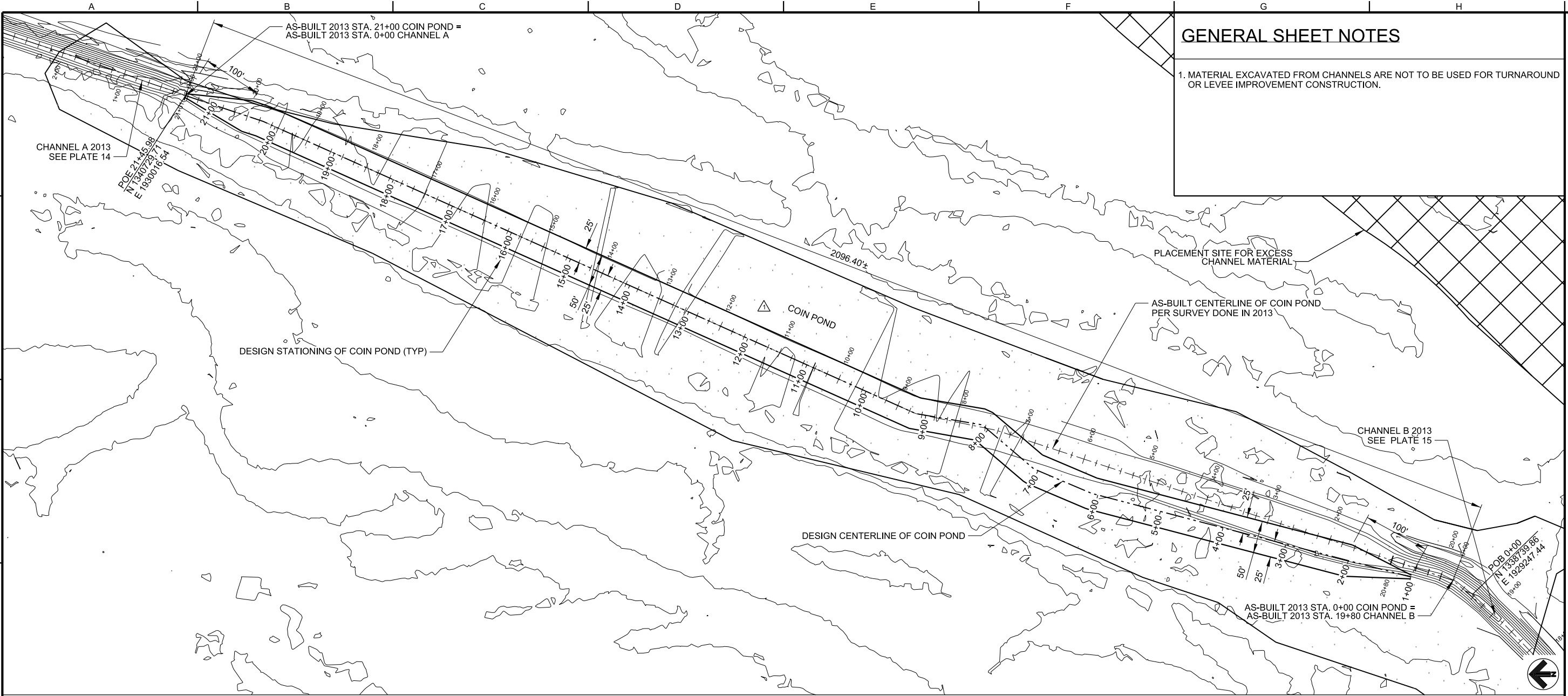
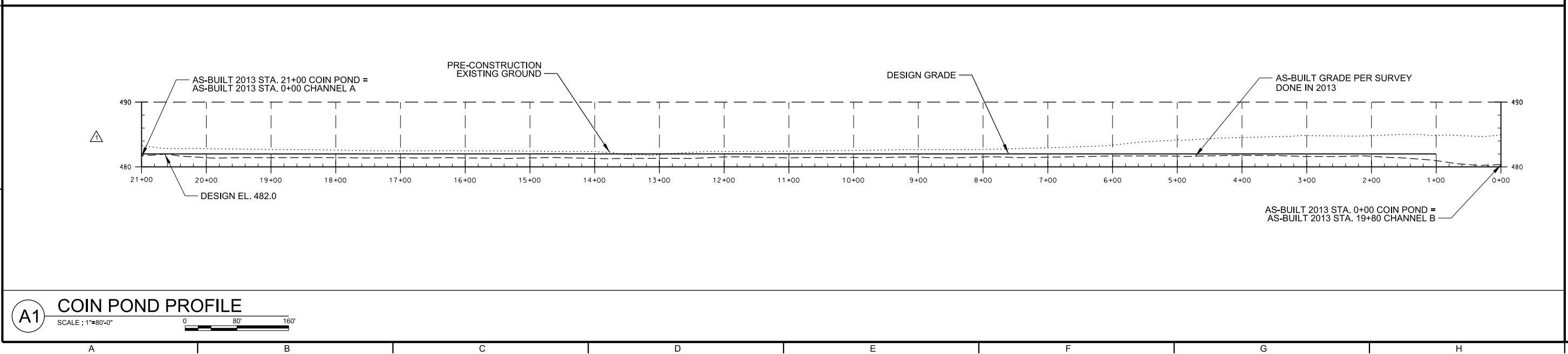




A3 COIN POND PLAN
SCALE : 1"=80'-0"



A1 COIN POND PROFILE
SCALE : 1"=80'-0"

GENERAL SHEET NOTES

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



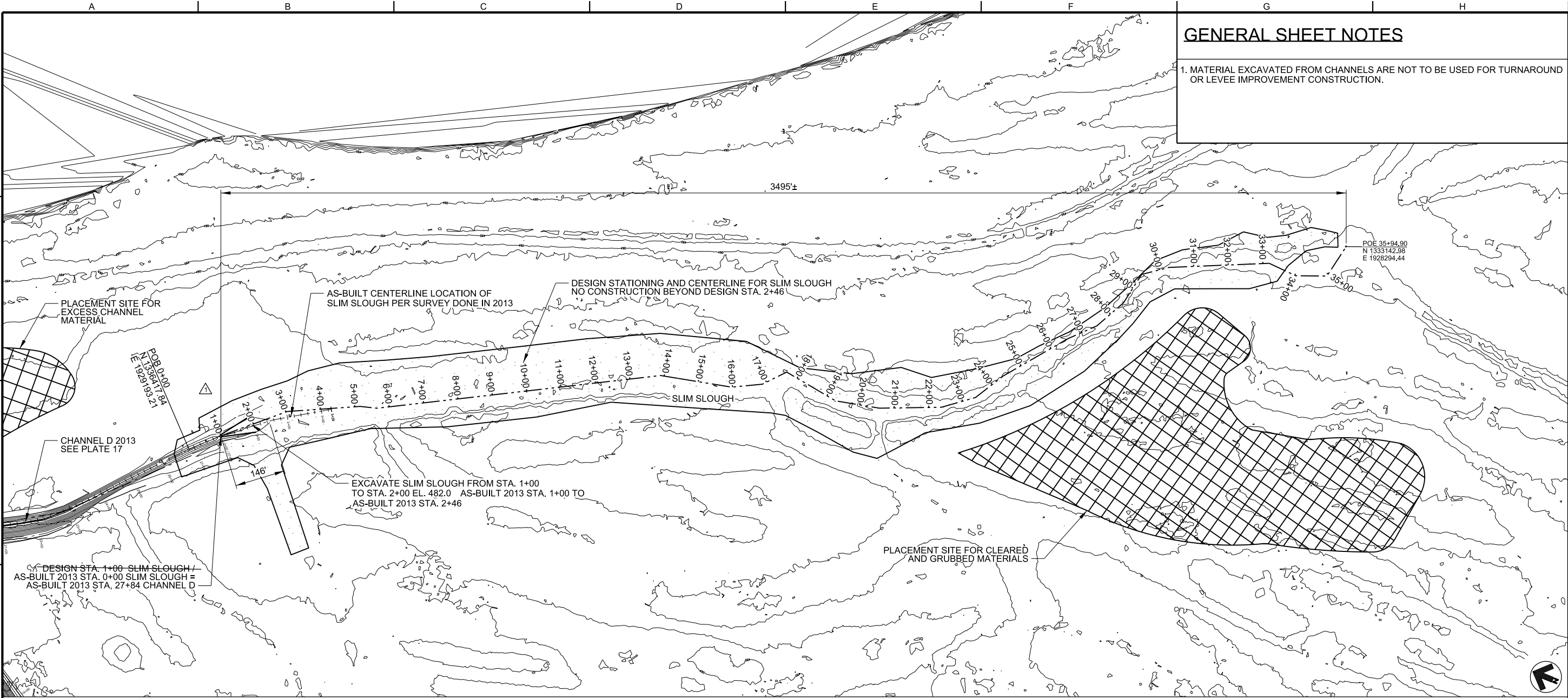
Symbol	Date	Revisions
AS-BUILT AS OF MARCH 31 2015	02 MAR 12	EL 501
MOD FARM - POND EXCAVATION		Approved

Designed By:	Date:	2010/07/14
Drawn By:	Scale:	AS SHOWN
Checked By:	Project Code:	EP98
Reviewed By:	Validation Number:	W912K-10-0025

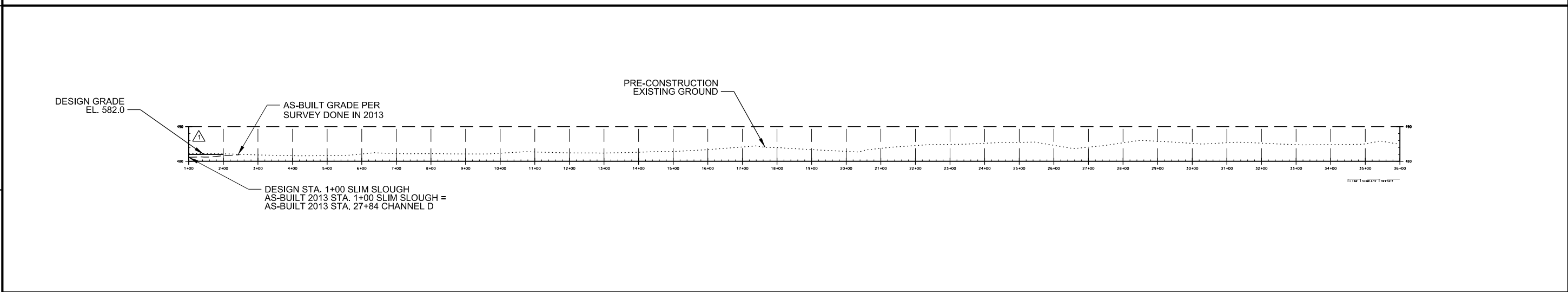
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
ROCK ISLAND, ILLINOIS

MISSISSIPPI RIVER
POOL LEVEE
FOX ISLAND HREP O & M MANUAL
**COIN POND CHANNEL
PLAN AND PROFILE**

Sheet
Reference
Number:
PLATE 20



A3 SLIM SLOUGH PLAN
SCALE : 1"=150'-0"



A1 SLIM SLOUGH CHANNEL PROFILE
SCALE : 1"=150'-0"

GENERAL SHEET NOTES

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



Symbol	Description	Revisions
AS-BUILT AS OF MARCH 31 2015	MOD F&M - POND EXCAVATION	
02 MAR 12	Date	EL. 582.0
		Approved

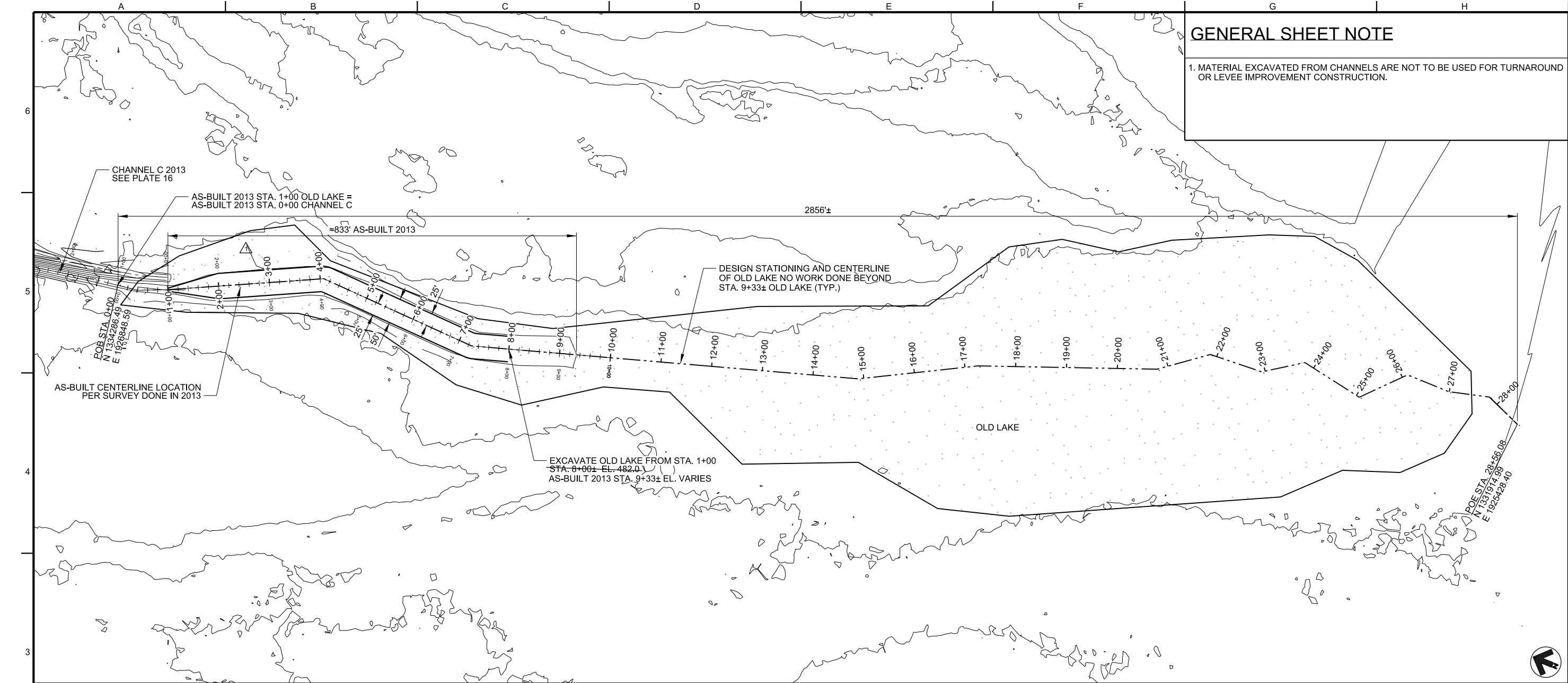
Designed By:	PJV	Date:	20100714
Drawn By:	JMF	Scale:	AS SHOWN
Checked By:	RCF	Project Code:	EP98
Reviewed By:	HLA	Validation Number:	W912K-10-B-025

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

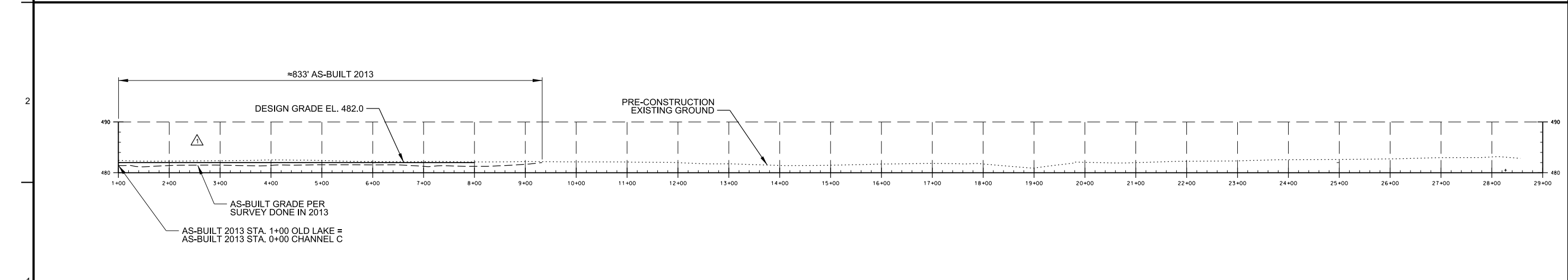
MISSISSIPPI RIVER
POOL LEVEE
FOX ISLAND HREP O & M MANUAL
**SLIM SLOUGH
CHANNEL PLAN
AND PROFILE**

Sheet
Reference
Number:
PLATE 21

BRECO:JMF
7/11/2016
PLATE 21.dgn



A3 OLD LAKE CHANNEL PLAN
SCALE : 1"=100'-0"



A1 OLD LAKE CHANNEL PROFILE
SCALE : 1"=100'-0"

GENERAL SHEET NOTE

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



Symbol	Date	Revisions
AS-BUILT AS OF MARCH 31 2015	02 MAR 12	EL. SH. Approved
MOD. EMB. - POND EXCAVATION		Description

Designed By:	PJV	Date:	2010/07/14
Drawn By:	JMF	Scale:	AS SHOWN
Checked By:	RCF	Project Code:	EP98
Reviewed By:	HLA	Validation Number:	W912EK-1C-B-025

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

MISSISSIPPI RIVER
POOL LEVEE DISTRICT
FOX ISLAND HREP O & M MANUAL
**OLD LAKE CHANNEL
PLAN AND PROFILE**

Sheet
Reference
Number:
PLATE 22

BRECO.MNF
7/11/2016
PLATE 22.dgn

This diagram illustrates the typical cross-section of a pond channel, showing the relationship between the planned water elevation and the pre-construction existing ground. The channel is defined by a bottom width of 6' - 50' and a water elevation of 482.0. The existing ground is shown as a dashed line at an approximate elevation of 483.0 to 484.0. The channel slopes are indicated as 3:1 on the left and 1:3 on the right. A scale bar at the bottom indicates a scale of 1" = 4'-0".

PLANNED WATER ELEVATION:
COIN POND/OLD LAKE/
SLIM SLOUGH = 485.0

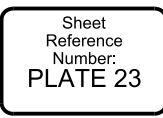
**PRE-CONSTRUCTION
EXISTING GROUND**

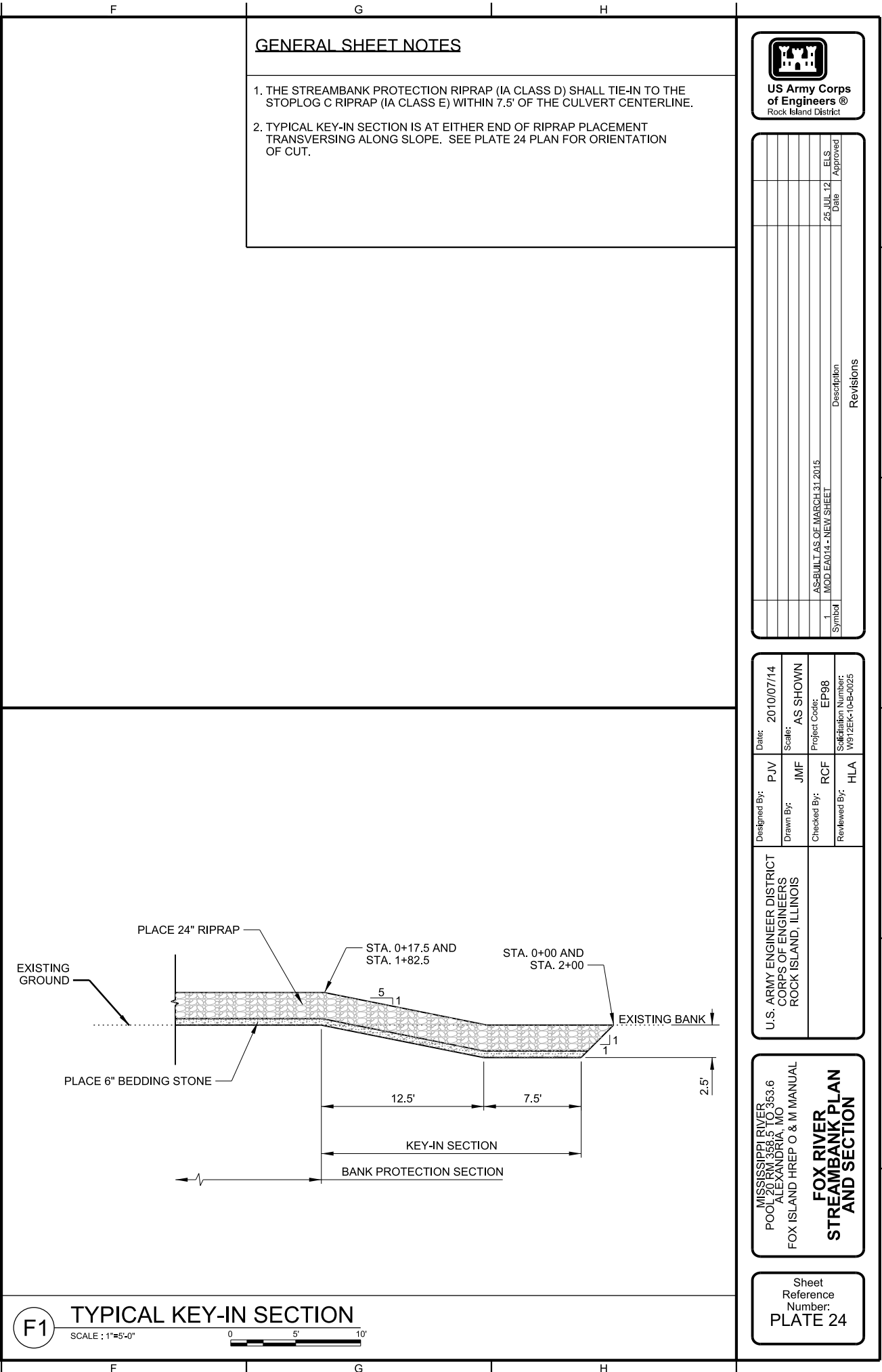
APPROX. EL. 483.0 TO 484.0

EL. 482.0

6' - 50'

A1 POND CHANNEL TYPICAL SECTION (COIN POND, OLD LAKE, AND SLIM SLOUGH)
SCALE : 1"=4'-0"



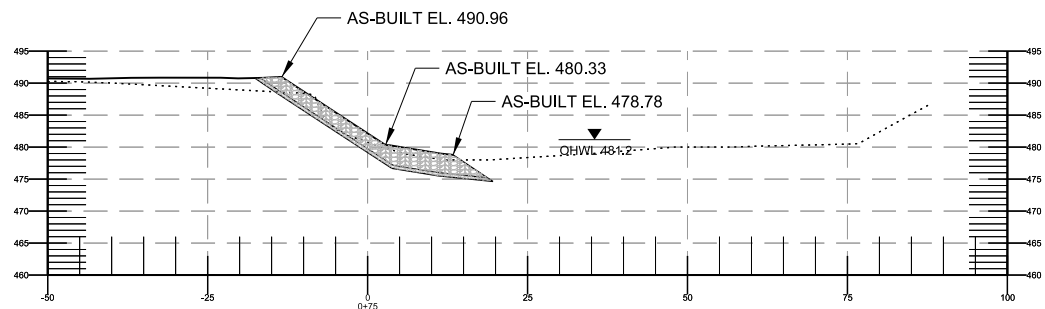
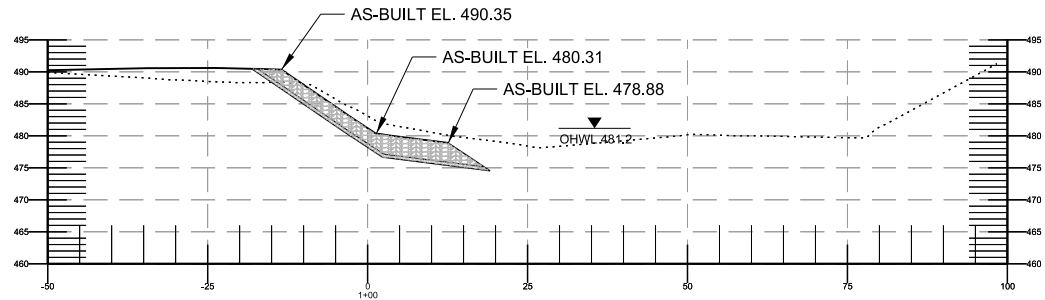
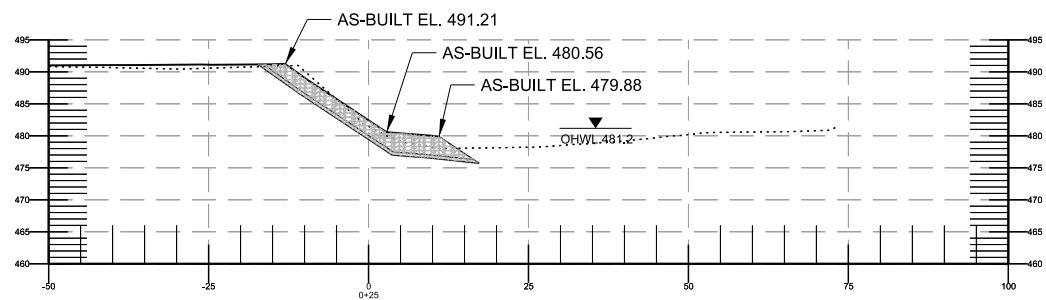
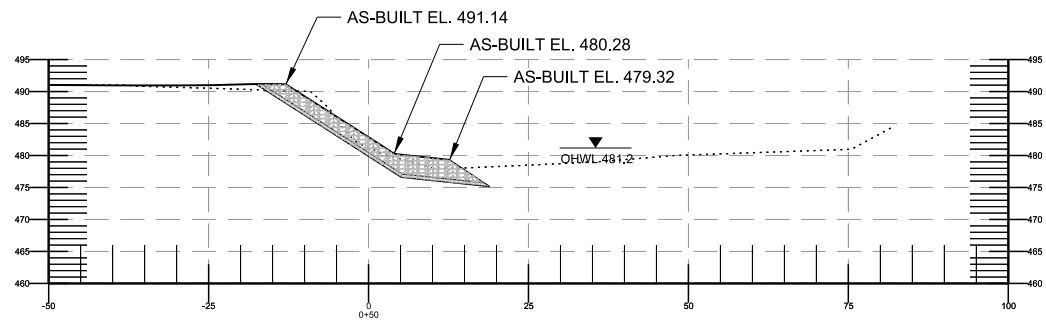
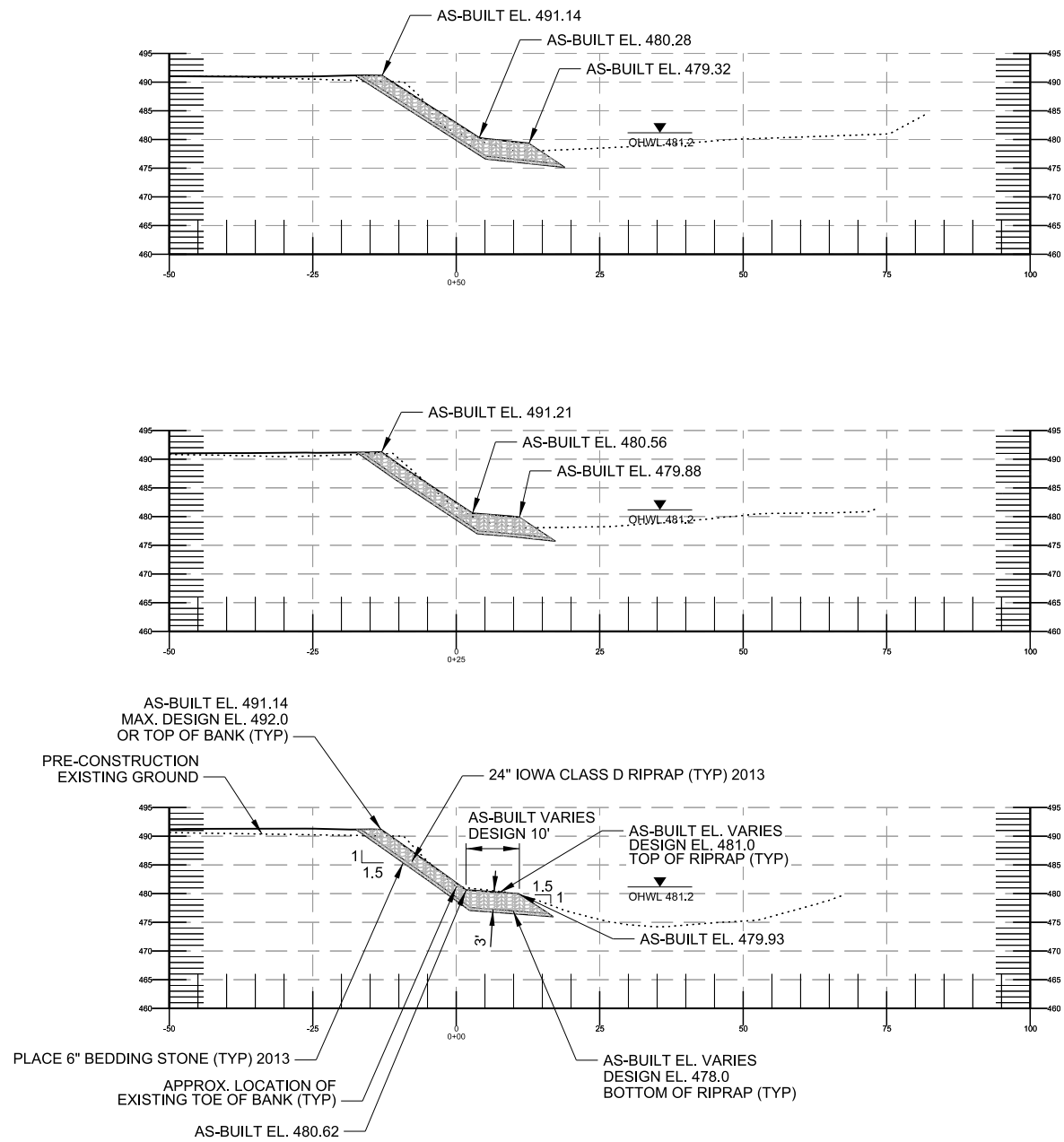
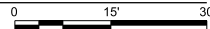


RECD:JMF
1/11/2016
PLATE 25.dgn

A1

FOX RIVER STREAMBANK PROTECTION - CROSS SECTIONS STA. 0+00 TO STA. 1+00

SCALE : 1"=15'-0"



GENERAL SHEET NOTES

1. CUT MATERIAL TO BE HAULED TO BORROW AREA, GRADED, AND SEEDED.
2. ALL AS-BUILT ELEVATIONS ARE FROM SURVEY DONE IN 2013 / 2014.



US Army Corps
of Engineers®
Rock Island District

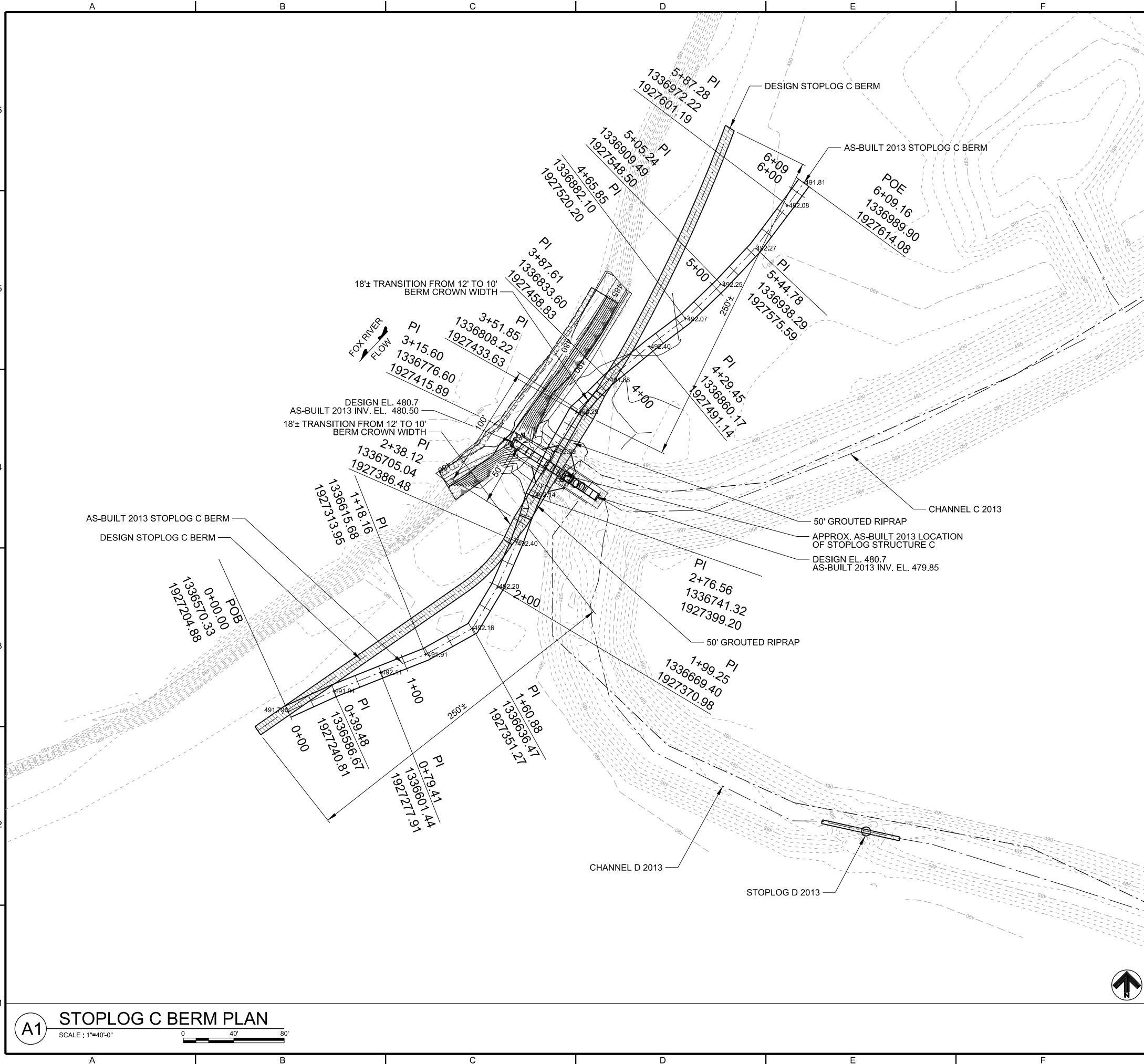
Symbol	Date	EL Approved
AS-BUILT AS OF MARCH 31 2015 MOD E&U 14 - NEW SHEET	25 JUL 12	

Designed By:	Date:	2010/07/14
Drawn By:	Scale:	AS SHOWN
Checked By:	Project Code:	EP98
Reviewed By:	Validation Number:	W912EK-10-G-025

MISSISSIPPI RIVER
POCAHONTAS, MISSOURI
FOX RIVER
FOX ISLAND HREP O & M MANUAL
FOX RIVER
CROSS SECTIONS

Sheet
Reference
Number:
PLATE 25

BREC01.MIF
1/11/2016
PLATE 28.dgn



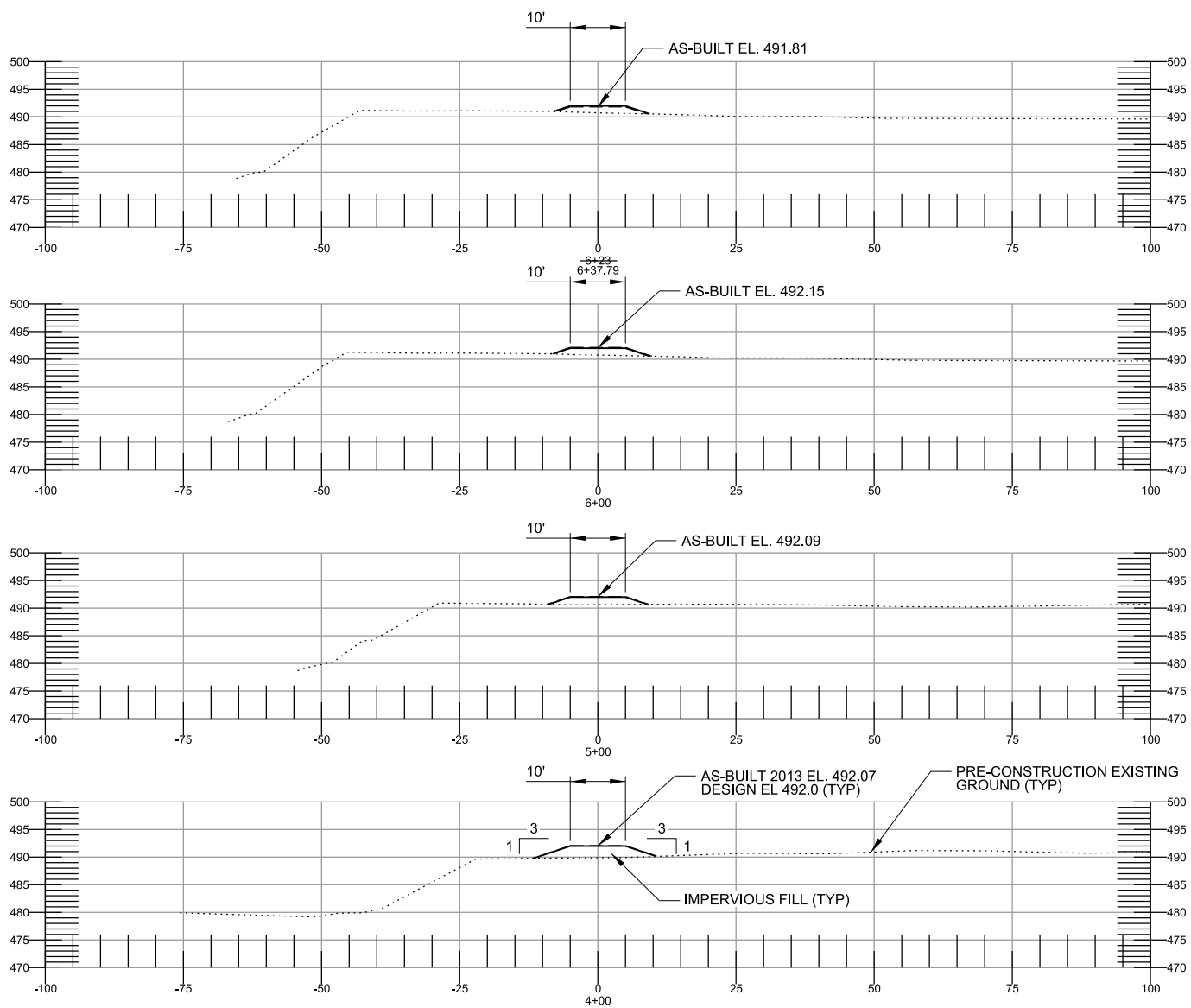
A1

STOPLOG C BERM PLAN

SCALE : 1"=40'-0"

0 40' 80'





NOTE:

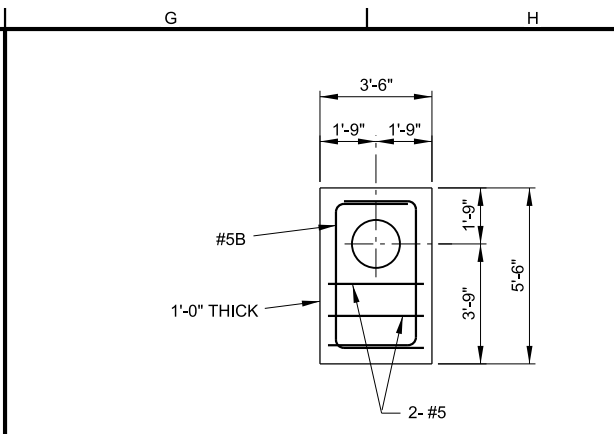
1. ALL AS-BUILT ELEVATIONS ARE FROM SURVEY DONE ON 2013 / 2014.

[illegible]

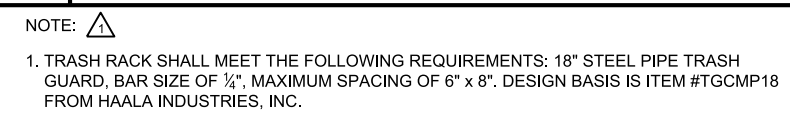
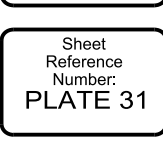
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS ROCK ISLAND, ILLINOIS	Designed By:	PJV	Date:	2010/07/14
	Drawn By:	JMF	Scale:	AS SHOWN
	Checked By:	RCF	Project Code:	EP98
	Reviewed By:	HLA	Solicitation Number:	W91ZFK-05-0025

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

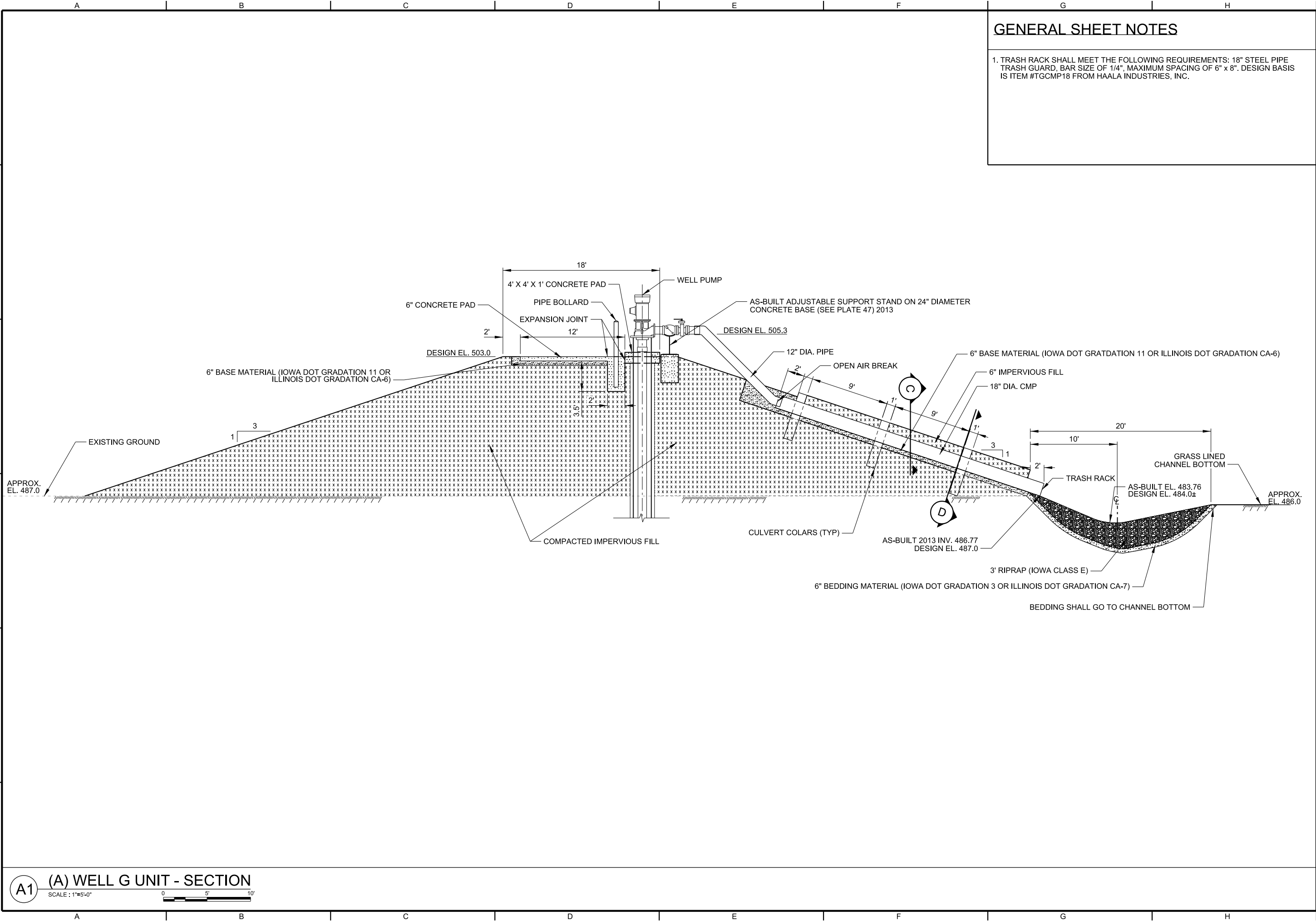
Sheet
Reference
Number:
PLATE 30



G5 (D) CULVERT COLLAR DETAILS

[illegible]

RECD:JMF
1/11/2018
PLATE 31.1.dgn



GENERAL SHEET NOTES

1. TRASH RACK SHALL MEET THE FOLLOWING REQUIREMENTS: 18" STEEL PIPE TRASH GUARD, BAR SIZE OF 1/4", MAXIMUM SPACING OF 6" x 8". DESIGN BASIS IS ITEM #TGCMP18 FROM HAALA INDUSTRIES, INC.

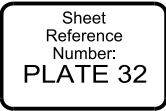
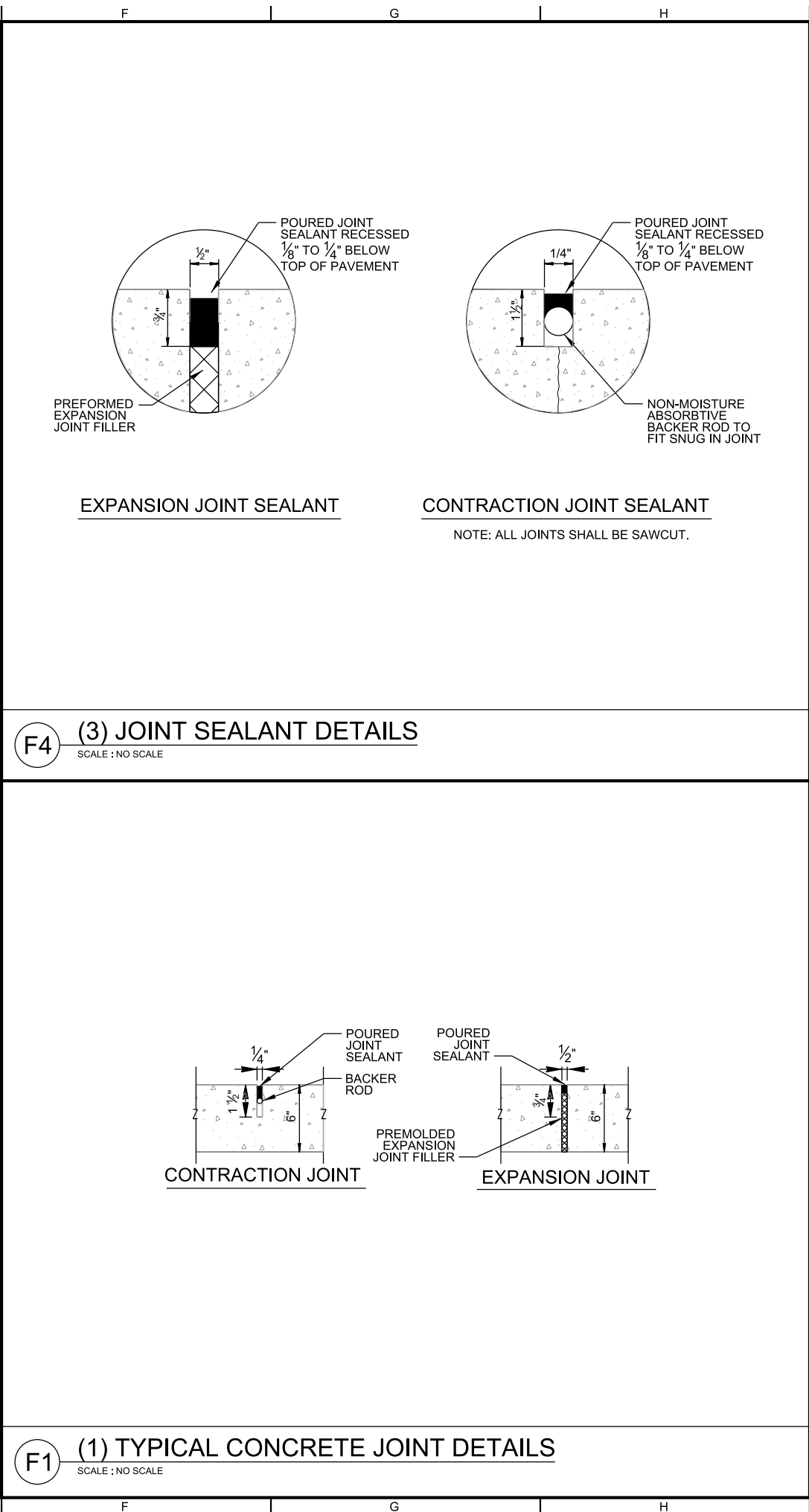


Symbol	Description	Revisions
AS-BUILT AS OF MARCH 31, 2018	MOD E6007 - NEW SHEET ADDED	EL SHA A Date 20 FEB 12 Approved

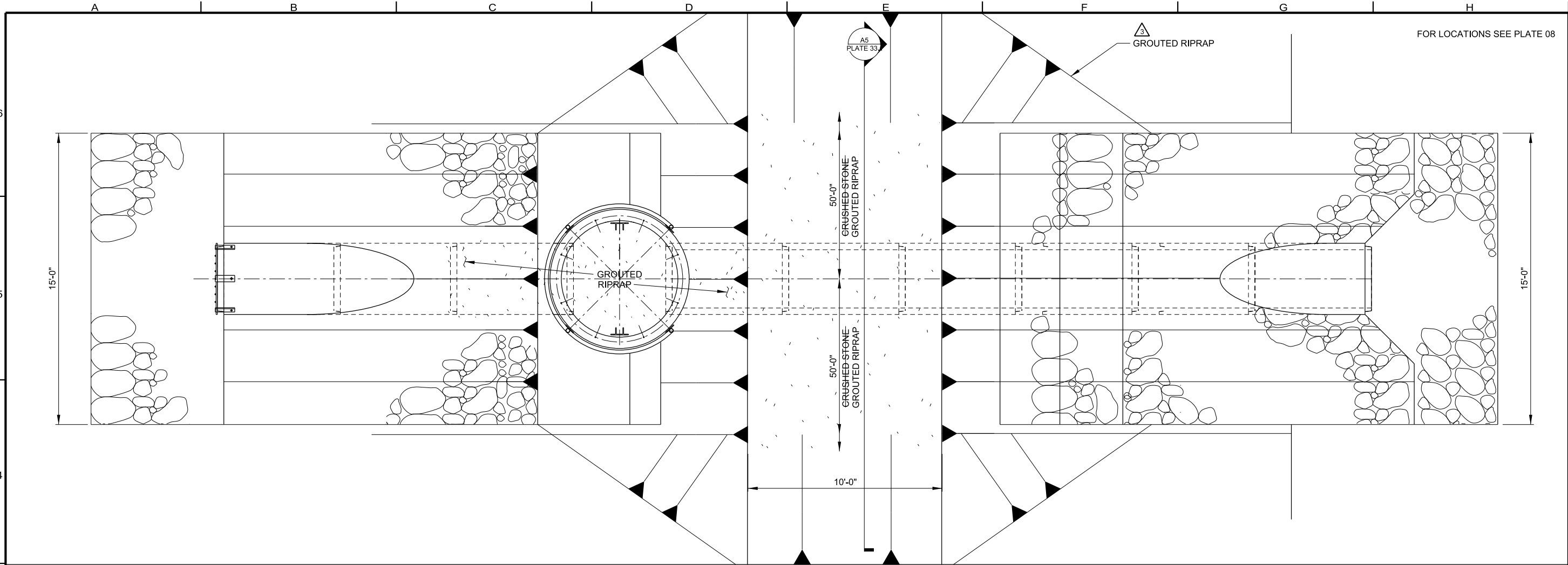
Designed By:	ELJ	Scale:	AS SHOWN	Date:	20120228
Drawn By:	ELJ	Project Code:	EP98		
Checked By:	RCF	Validation Number:	W912EK-10-0025		
Reviewed By:	HLA				
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS ROCK ISLAND, ILLINOIS					

MISSISSIPPI RIVER
POOL 20 RM 355.5 TO 353.6
ALEXANDRIA, MO
FOX ISLAND HREP 0 & M MANUAL
WELL G
UNIT - SECTION

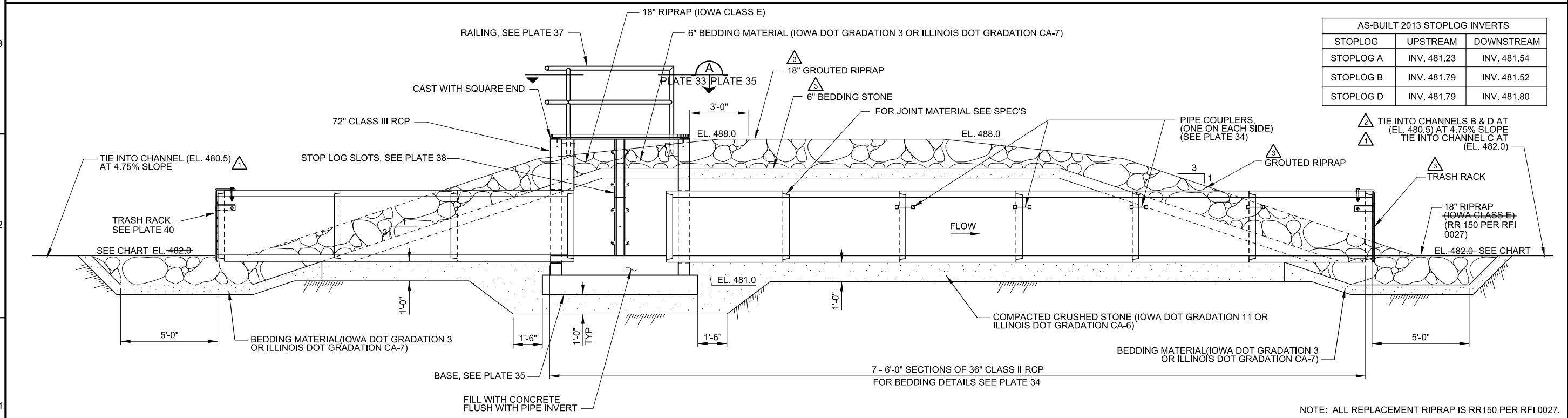
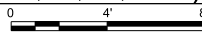
Sheet
Reference
Number:
PLATE 31.1



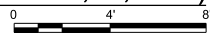
REDCLINE
1/11/2016
PLATE 33.dgn



A4 PLAN (STIOPLOG STRUCTURES A, B, D, & E)
SCALE : 1"=4'-0"



A1 ELEVATION (STOPLOG STRUCTURES A, B, & D)
SCALE : 1"=4'-0"



AS-BUILT 2013 STOPLOG INVERTS		
STOPLOG	UPSTREAM	DOWNSTREAM
STOPLOG A	INV. 481.23	INV. 481.54
STOPLOG B	INV. 481.79	INV. 481.52
STOPLOG D	INV. 481.79	INV. 481.80



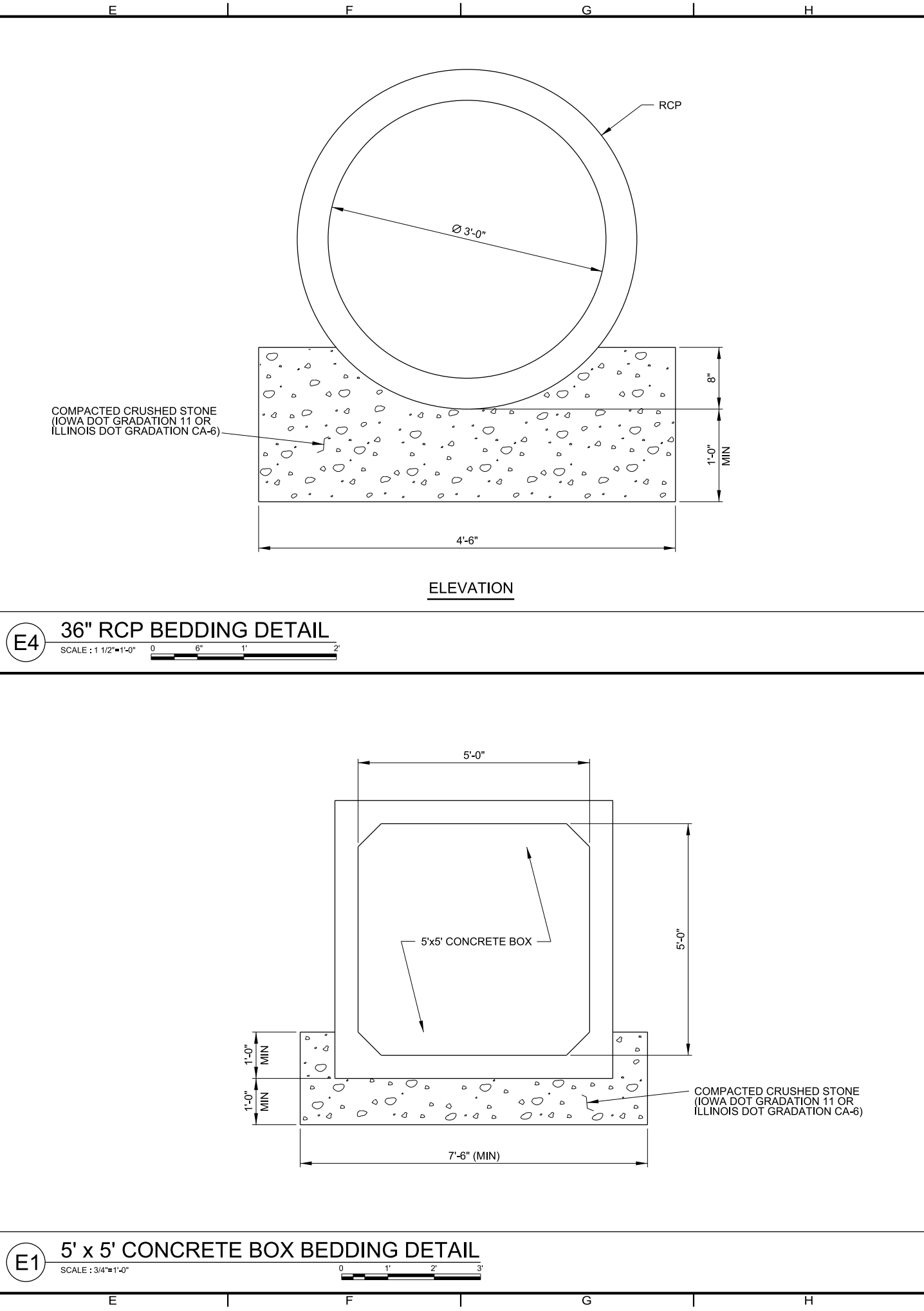
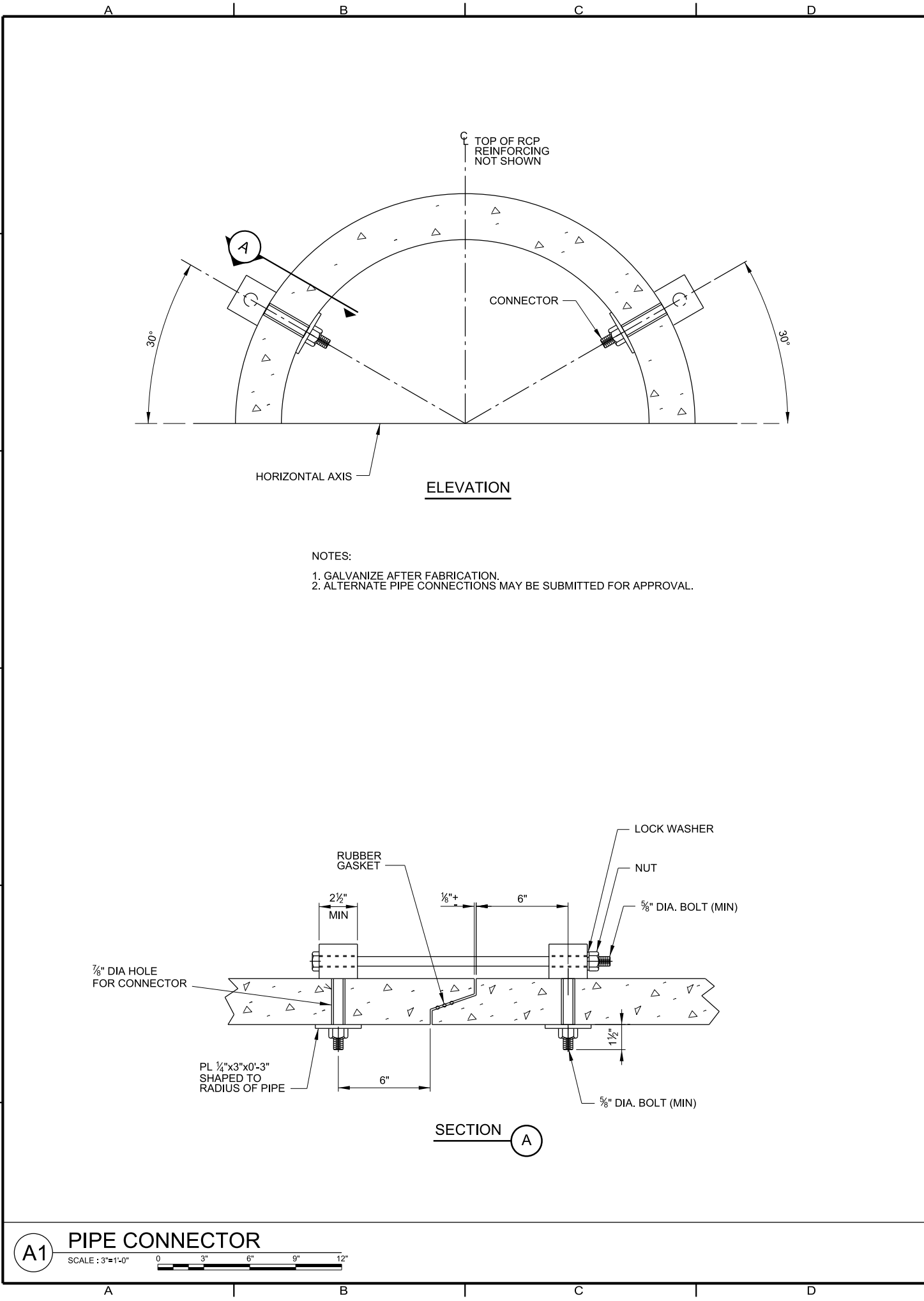
AS-BUILT AS OF MARCH 31 2015		4 OCT 13	ELSHIA
MOD EAO23 - GROUTED RIPRAP	MOD EAO23 - GROUTED RIPRAP	13 MAR 12	ELSHIA
MOD EAO23 - STOPLOG ELEVATION CHANGES	MOD EAO23 - STOPLOG ELEVATION CHANGES	28 FEB 12	ELSHIA
Symbol	Description	Date	Approved

Designed By:	CHJ	Date:	20100714
Drawn By:	DGP	Scale:	AS SHOWN
Checked By:	BTJ	Project Code:	EP98
Reviewed By:	FRJ	Solicitation Number:	W912EK-10-D-0025
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS ROCK ISLAND, ILLINOIS			

MISSISSIPPI RIVER
POOL 20 RM 355.5 TO 353.6
ALEXANDRIA, MO
FOX ISLAND HREP 0 & M MANUAL
36" RCP STOPLOG

Sheet
Reference
Number:
PLATE 33

REDCLOUD
1/11/2016
PLATE 34.dgn



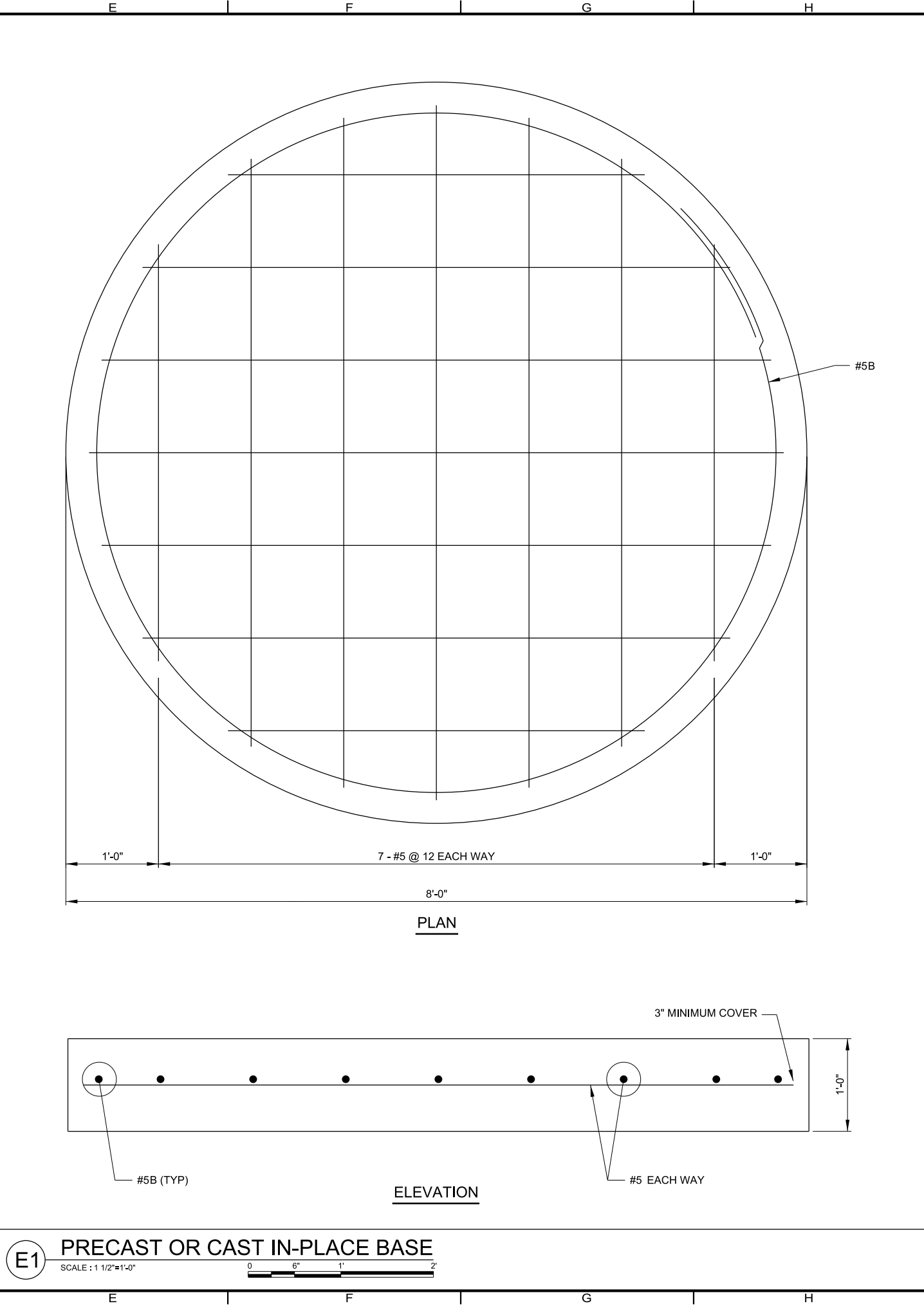
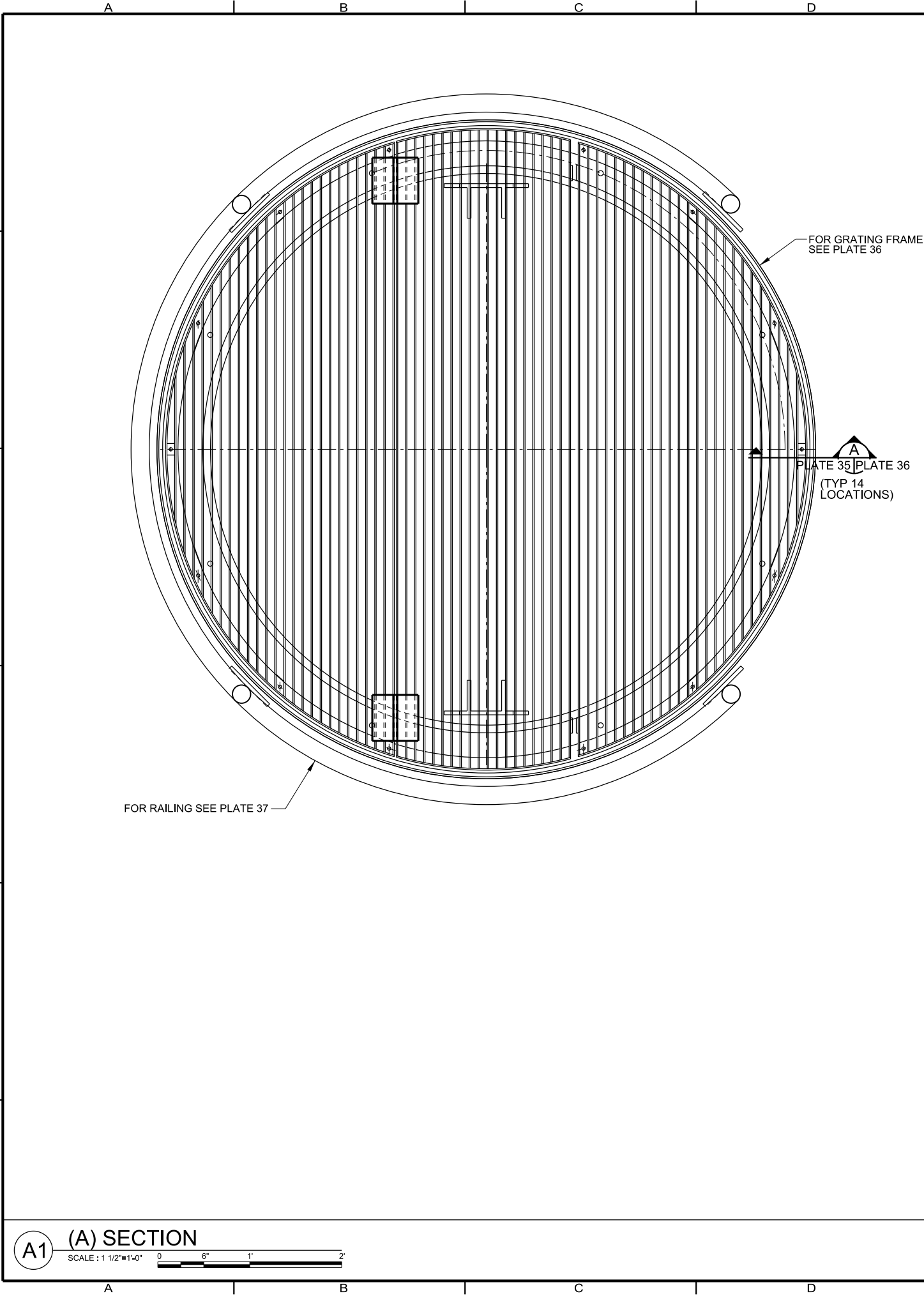
Symbol	Description	Date	Approved
AS-BUILT AS OF MARCH 31 2015			

Designed By:	CHJ	Date:	20100714
Drawn By:	DGP	Scale:	AS SHOWN
Checked By:	BTJ	Project Code:	EP98
Reviewed By:	FRJ	Solidation Number:	W912EK-10-E-0025

MISSISSIPPI RIVER
POOL 20 RM 355.5 TO 353.6
FOX ISLAND AND HARRIS MANUEL
36" RCP
MISCELLANEOUS
DETAILS

Sheet
Reference
Number:
PLATE 34

RECEIVED
1/11/2016
PLATE 35.dgn



Symbol	Description	Date	Approved
	AS-BUILT AS OF MARCH 31, 2015		

Designed By:	CHJ	Date:	2010/07/14
Drawn By:	DGP	Scale:	AS SHOWN
Checked By:	BTJ	Project Code:	EP98
Reviewed By:	FRJ	Solicitation Number:	W912EK-10-E-0025

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

MISSISSIPPI RIVER
POOL 20 RM 358.5 TO 353.6
AND 353.6 TO 353.6
FOX ISLAND AND 353.6 TO 353.6
36" RCP
STRUCTURE
DETAILS I

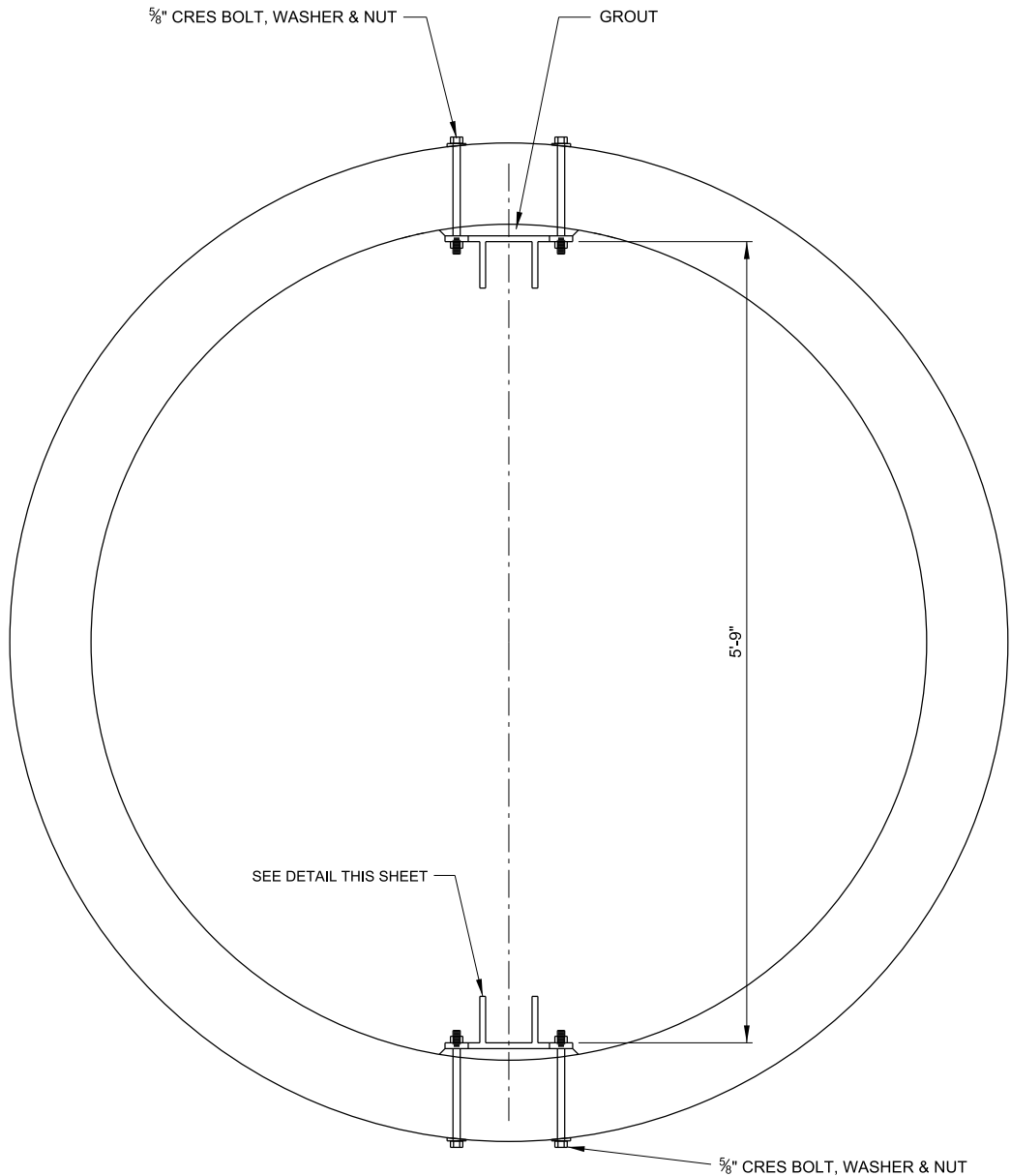
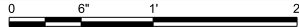
Sheet
Reference
Number:
PLATE 35



RECD:JME
1/11/2016
PLATE 38.dgn

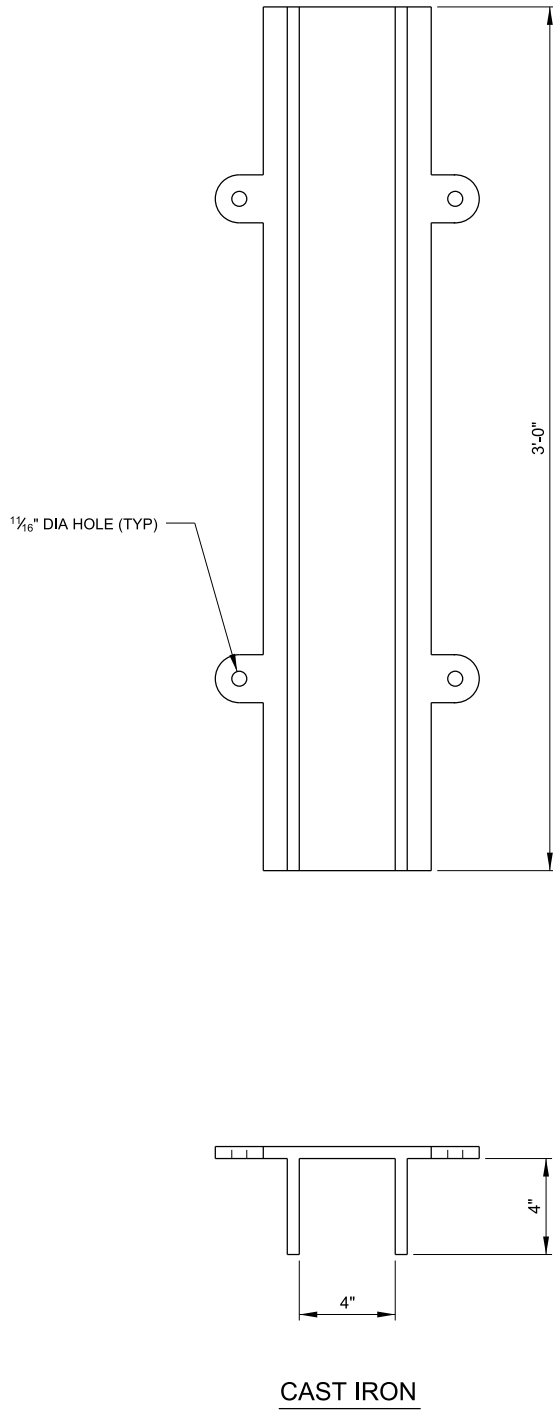
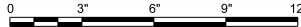
A1 STOP LOG DETAIL

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



F1 STOP LOG FRAME

SCALE : 3"=1'-0"

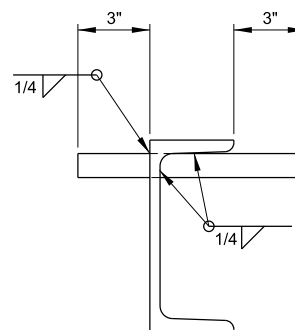
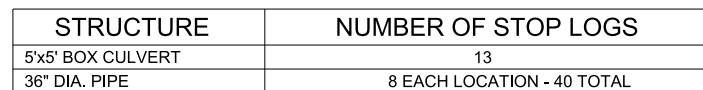
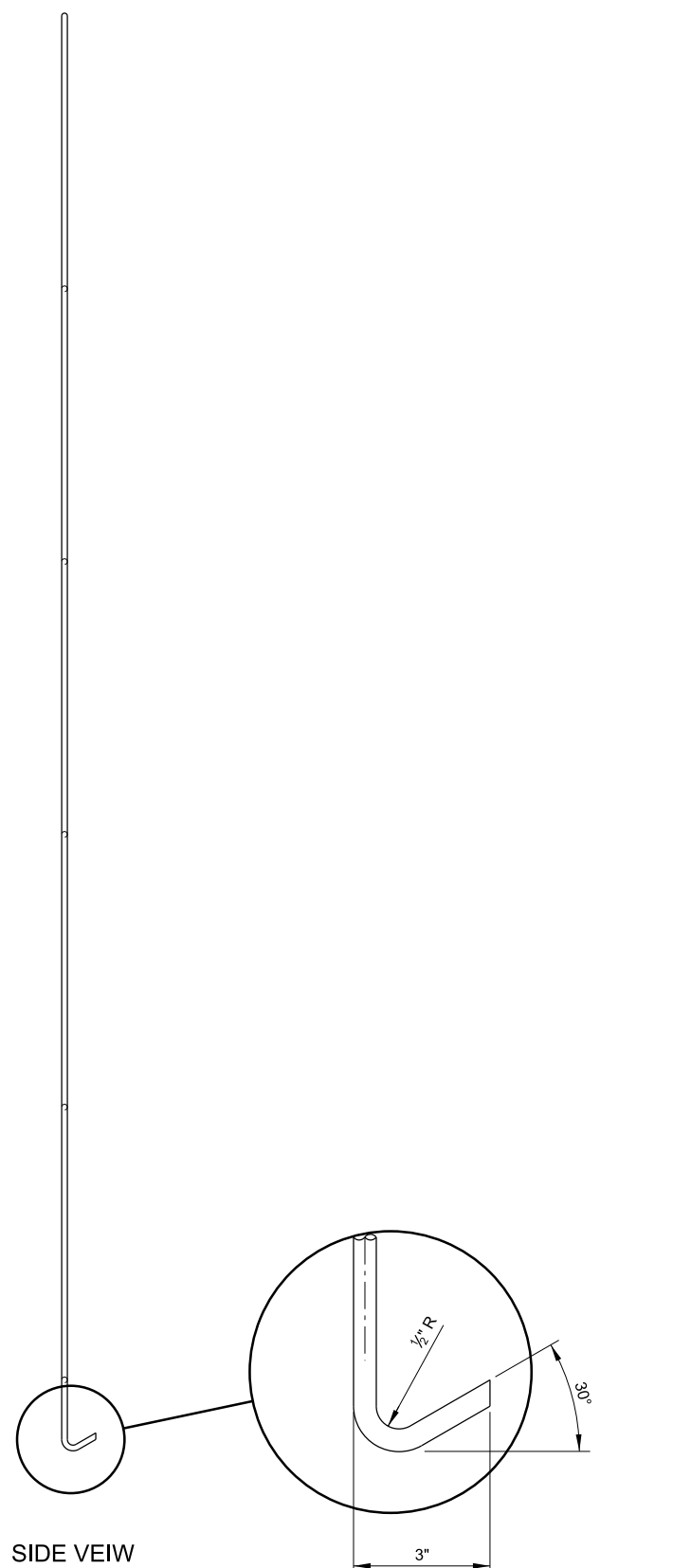


Symbol	Date	Revisions
	AS-BUILT AS OF MARCH 31 2015	

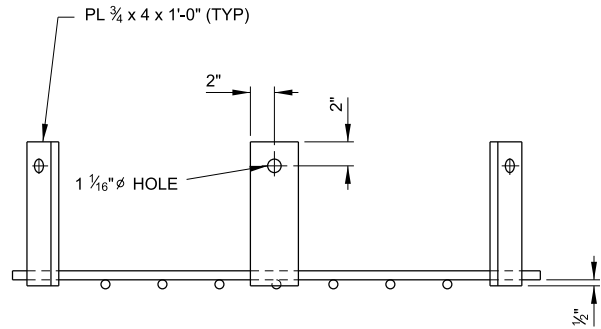
Designed By:	CHJ	Date:	2010/07/14
Drawn By:	DGP	Scale:	AS SHOWN
Checked By:	BTJ	Project Code:	EP08
Reviewed By:	FRJ	Solicitation Number:	W912EK-10-E-0025
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS ROCK ISLAND, ILLINOIS			

MISSISSIPPI RIVER
POOL 20 RM 358.5 TO 353.6
AND POOL 19 RM 358.5 TO 353.6
FOX ISLAND AND RIVER & MANUAL
36" RCP
STRUCTURE
DETAILS IV

Sheet
Reference
Number:
PLATE 38

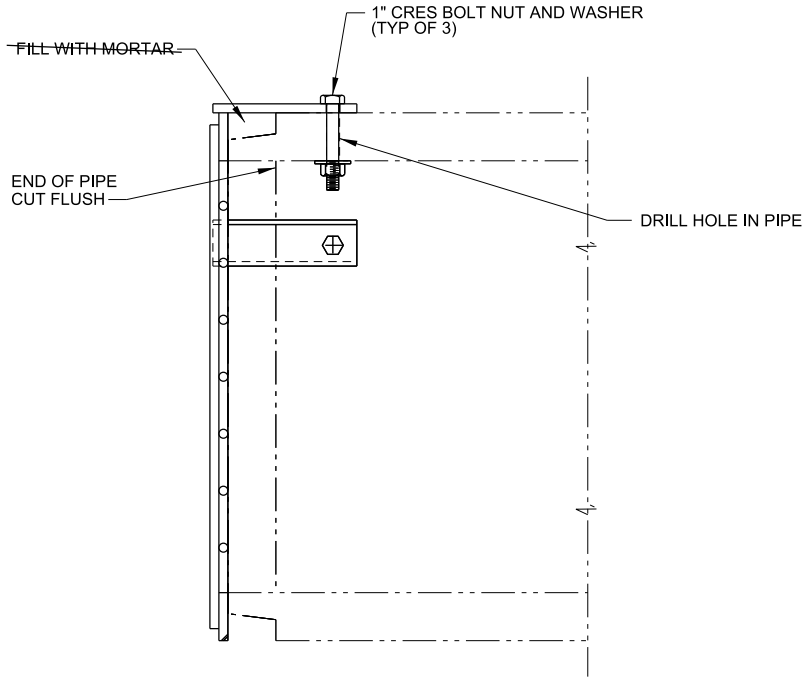
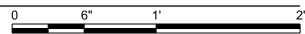


BECQJME
1/11/2016
PLATE 40.dgn



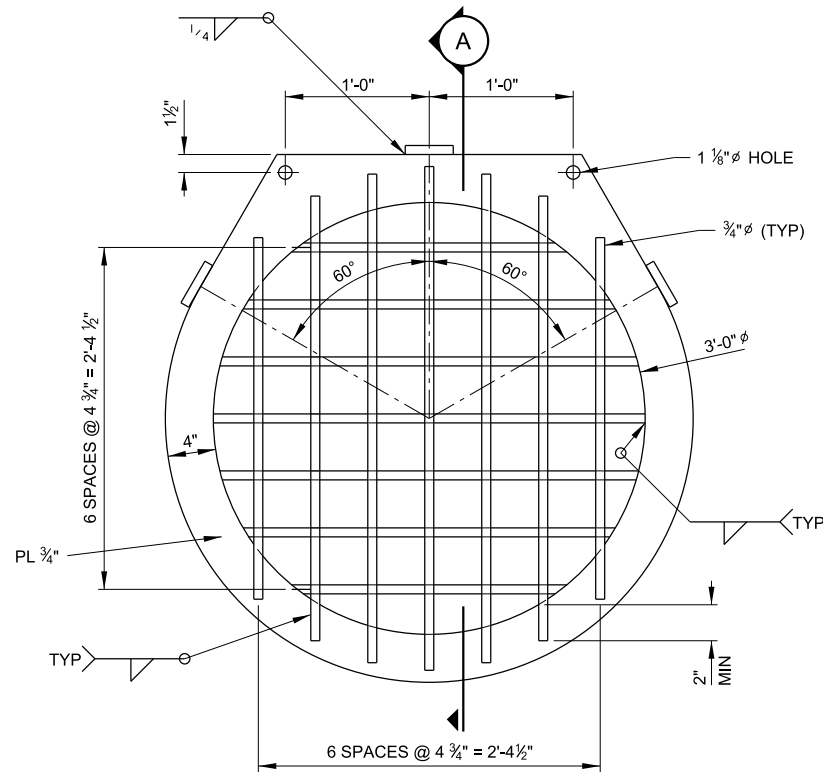
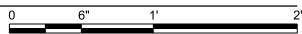
A4 PLAN

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



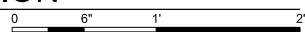
D4 (A) SIDE ELEVATION ASSEMBLY

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



A1 ELEVATION

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



ASTM A36 STEEL - GALVANIZE AFTER FABRICATION (6 REQ'D) ADDED ADDITIONAL GRATE / TRASH RACK TO STOPLOG "A"



US Army Corps
of Engineers ©
Rock Island District

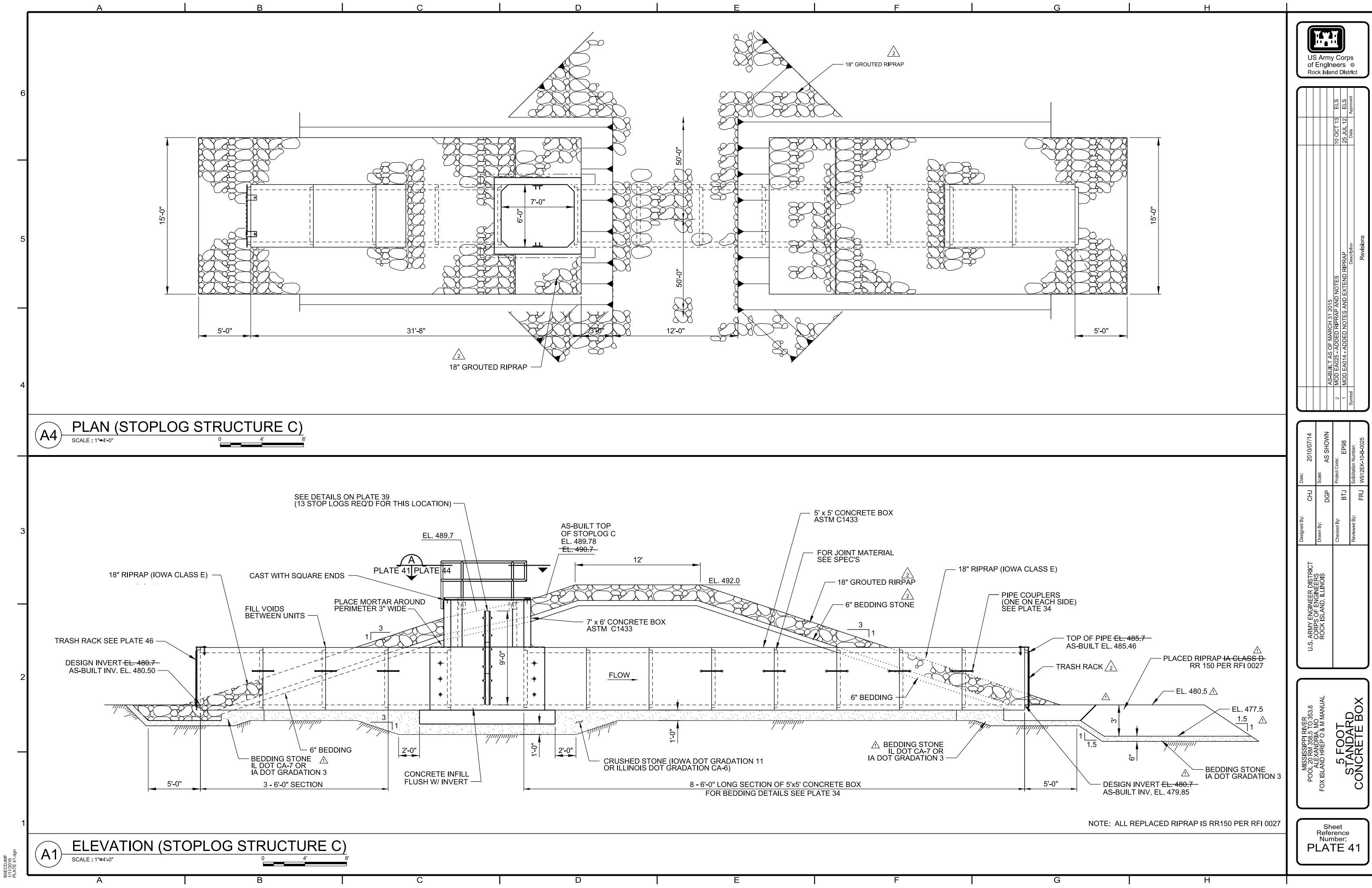
Symbol	Description	Date	Approved
	AS-BUILT AS OF MARCH 31, 2015		

Designed By:	CHJ	Date:	20100714
Drawn By:	DGP	Scale:	AS SHOWN
Checked By:	BTJ	Project Code:	EP98
Reviewed By:	FRJ	Solicitation Number:	W912EK-10-E-0025

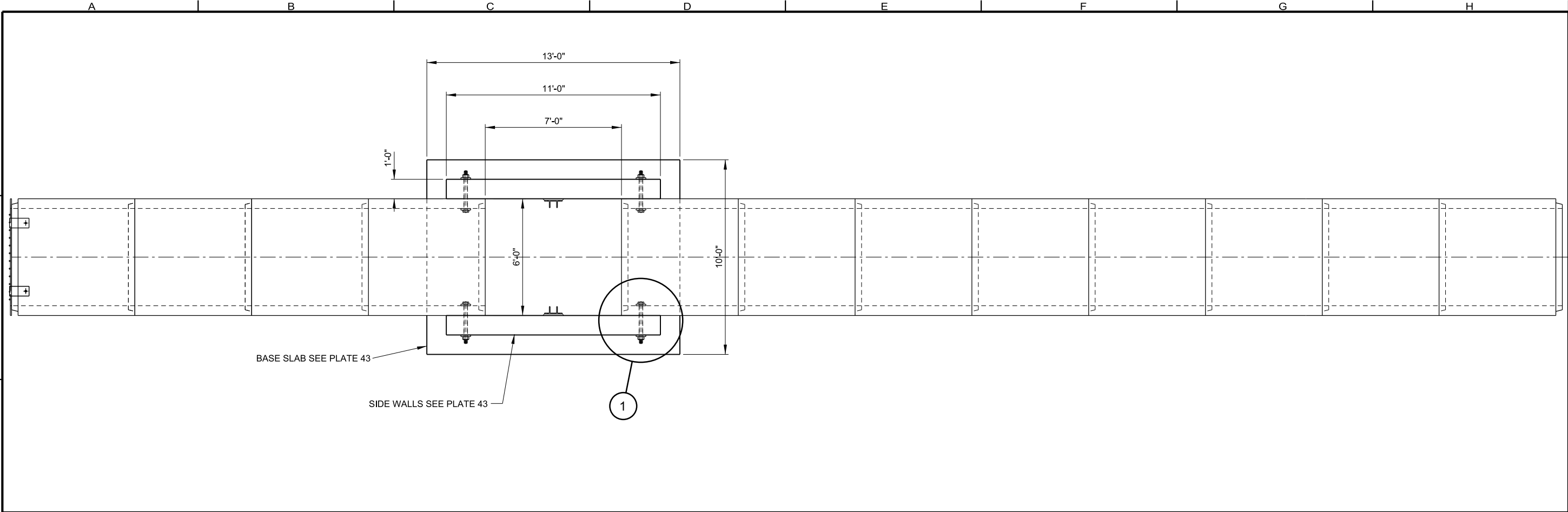
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
ROCK ISLAND, ILLINOIS

MISSISSIPPI RIVER
POOL 20 RM 358.5 TO 353.6
AND POOL 19 RM 353.6 TO 348.6
FOX ISLAND AREA
36" DIA
TRASH RACK

Sheet
Reference
Number:
PLATE 40



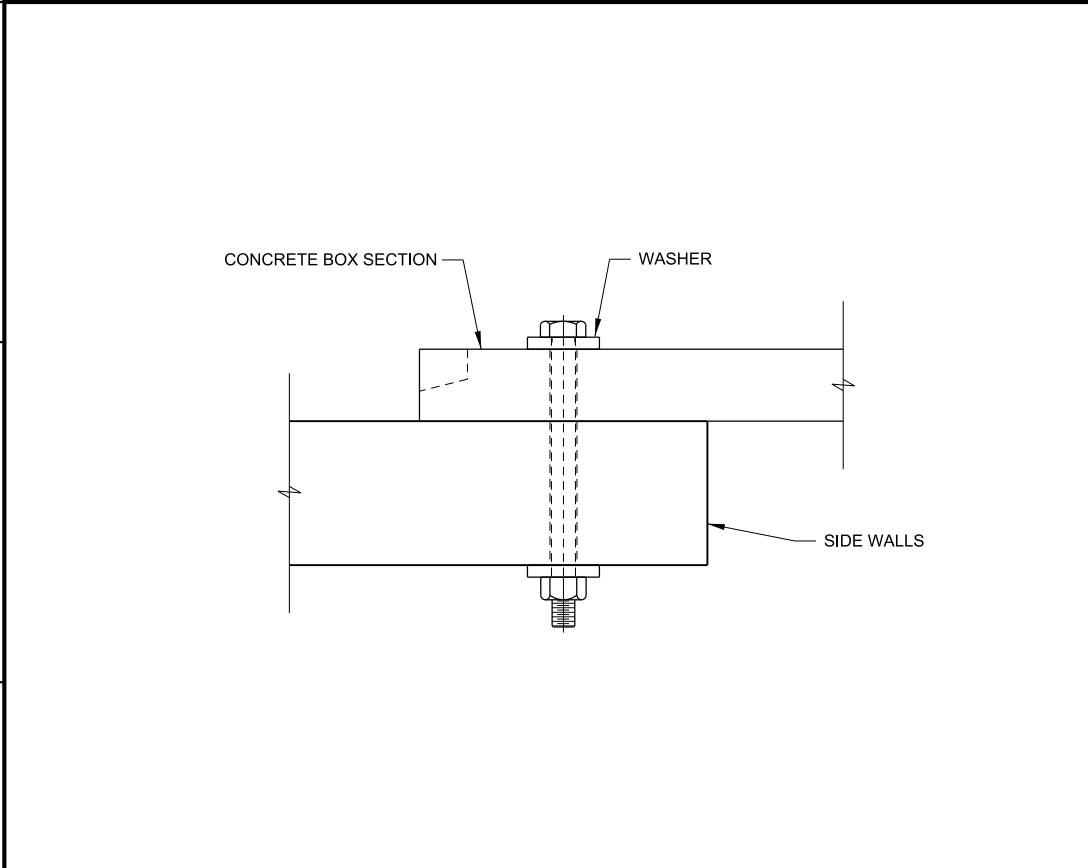
RECD:JMF
1/11/2016
PLATE 42.dgn



A4

PLAN

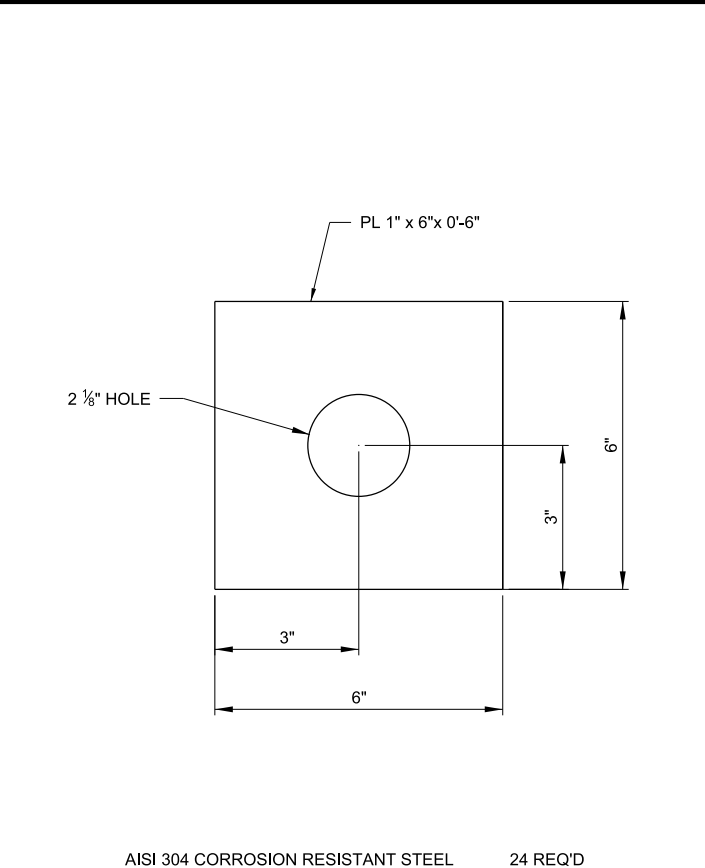
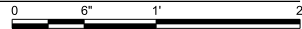
SCALE : 3/8"=1'-0"



A1

(1) DETAIL

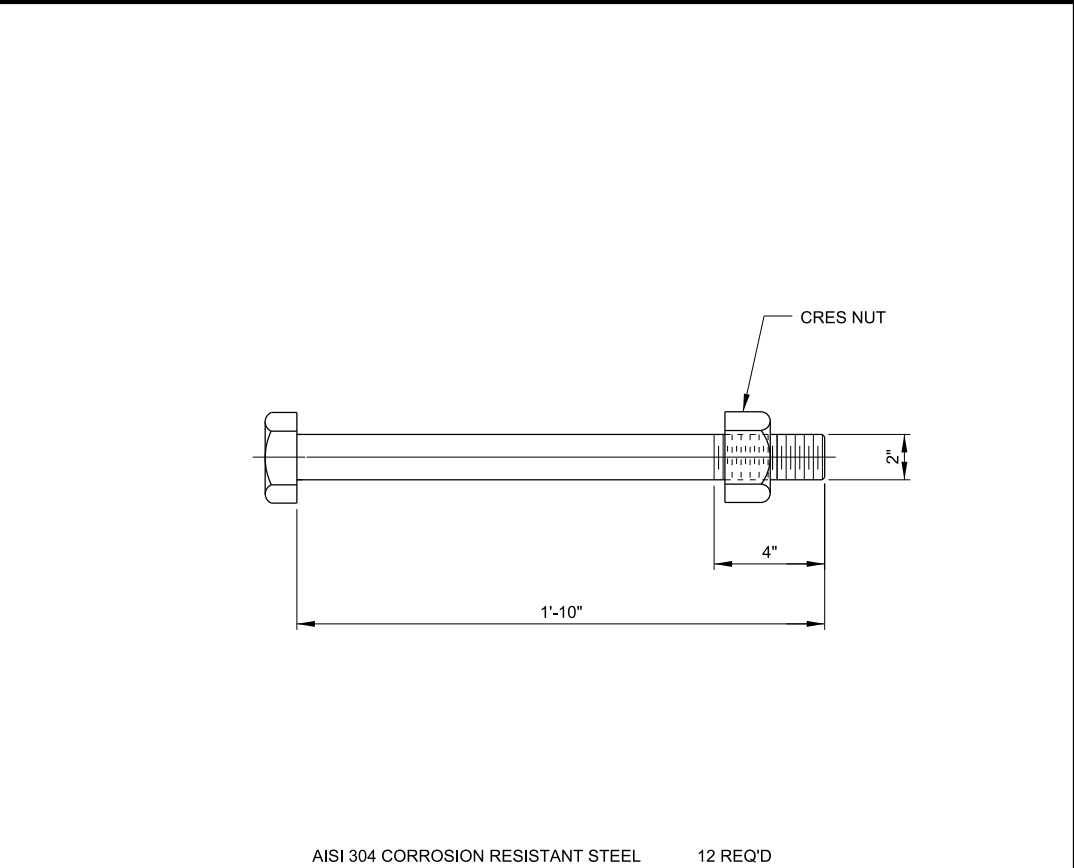
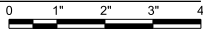
SCALE : 1 1/2"=1'-0"



D1

WASHER

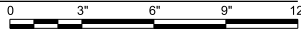
SCALE : 6"=1'-0"



F1

BOLT

SCALE : 3"=1'-0"

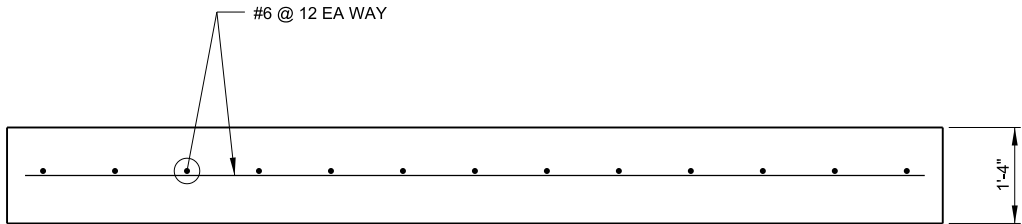
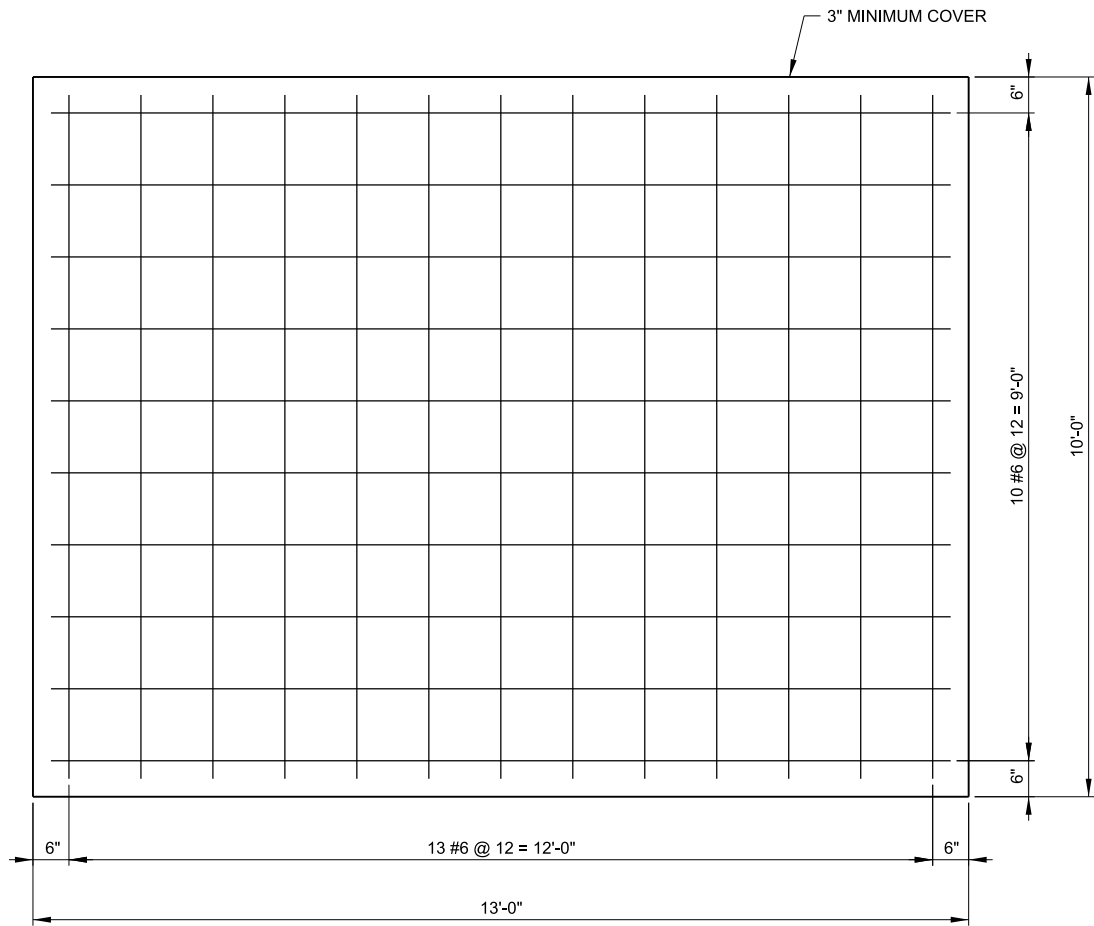


Revisions	Description	Date	Approved
1	AS-BUILT AS OF MARCH 31, 2015		

Designed By:	CHJ	Date:	20100714
Drawn By:	DGP	Scale:	AS SHOWN
Checked By:	BTJ	Project Code:	EP98
Reviewed By:	FRJ	Solicitation Number:	W912EK-10-E-0025

MISSISSIPPI RIVER
POOL 20 RM 355.5 TO 353.6
AT ALEXANDRIA, MO
FOX ISLAND HREF 0 & M MANUAL
5 FOOT STANDARD
CONCRETE BOX
DETAILS I

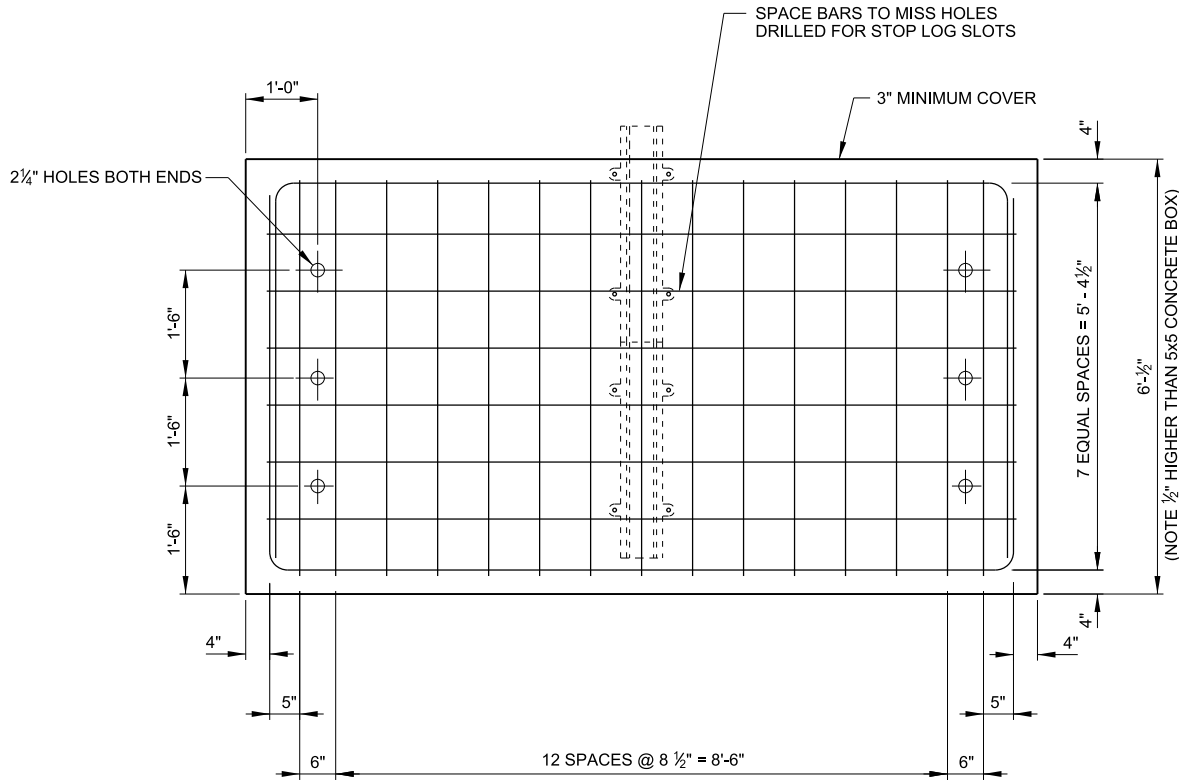
Sheet
Reference
Number:
PLATE 42



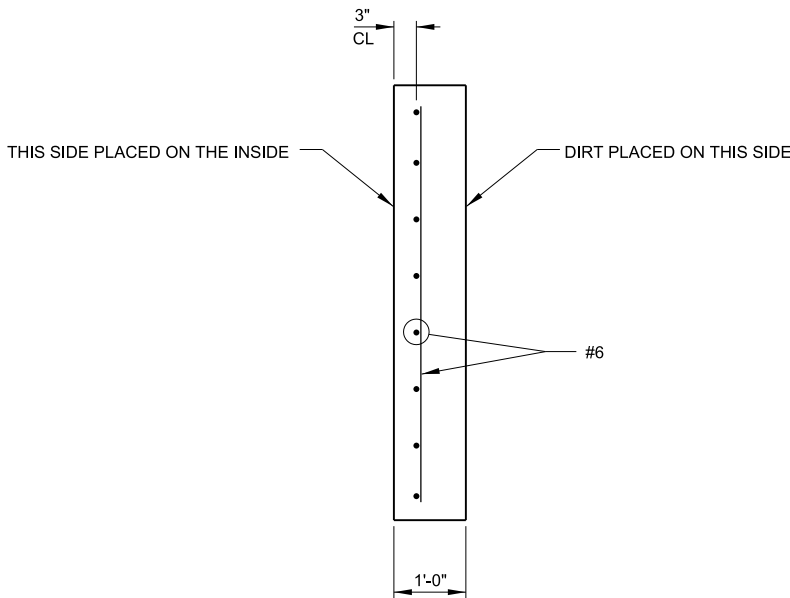
PRECAST OR CAST-IN PLACE (1 REQ'D)

A1 BASE SLAB REINFORCING

SCALE : 3/4"=1'-0"



NOTE: ALL REINFORCING BARS ARE #6



PRECAST OR CAST-IN PLACE (2 REQ'D)

E1 SIDE WALL REINFORCING

SCALE : 3/4"=1'-0"

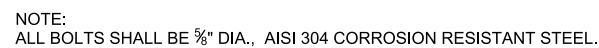


Symbol	Date	Approved
AS-BUILT AS OF MARCH 31 2015		

Designed By:	CHJ	Date:	20100714
Drawn By:	DGP	Scale:	AS SHOWN
Checked By:	BTJ	Project Code:	EP98
Reviewed By:	FRJ	Solicitation Number:	W912EK-10-D-0025

MISSISSIPPI RIVER
POOL 20 RM 358.5 TO 353.6
ALEXANDRIA, MO
FOX ISLAND HREF 0 & M MANUAL
**5 FOOT STANDARD
CONCRETE BOX
DETAILS II**

Sheet
Reference
Number:
PLATE 43



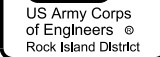
SCALE : 1"=1'-0'



SCALE : 1"=1'-0"



SCALE : 1"=1'-0"

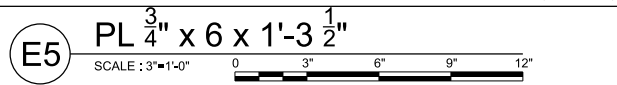
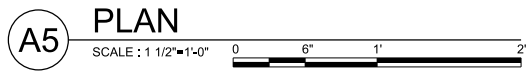


Revisions

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

MISSISSIPPI RIVER
POOL 20 RM 358.5 TO 353.6
ALEXANDRIA, MO
FOX ISI AND HREP O & M MANI IA

Sheet
Reference
Number:
PLATE 4



B5ECDJMF
1/11/2016
PLATE 46.dgn



- 1 BOTTOM OF WELL ELEVATION: WELL SITE G I.E. = 390.0;
WELL SITE H I.E. = 371.6
 - 2 TOP OF SCREEN ELEVATION: WELL SITE G I.E. = 475.0;
WELL SITE H I.E. = 477.6. REFER TO SPECIFICATIONS AND
GEOTECHNICAL REPORT FOR EXACT ELEVATIONS AND SCREEN
AND SLOT REQUIREMENTS.
 - 3 ACTUAL TOP OF WELL ELEVATION MUST BE COORDINATED
WITH PUMP, ENGINE AND TRAILER MANUFACTURER'S
DIMENSIONS TO INSURE THE UNIVERSAL DRIVE SHAFT
ASSEMBLY ANGLE BETWEEN ENGINE AND RIGHT ANGLE GEAR
ASSEMBLY DOES NOT EXCEED 15°.
 - * 4 ~~DISCHARGE PIPE SUPPORTS. PROVIDE 4"x1/2" STEEL~~
~~PLATES FASTENED TO 4"x4" CONCRETE PAD WITH~~
~~APPROPRIATELY SIZED ANCHORS. FASTEN 1/2" STEEL PLATES~~
~~TO FLANGE CONNECTION ON EACH SIDE OF DISCHARGE PIPE.~~
~~SUPPORTS SHALL MEET AT CENTER OF 4"x4" CONCRETE PAD~~
~~AND FORM A "V" PATTERN BETWEEN FLANGE CONNECTIONS AND~~
~~CONCRETE PAD ANCHORS. REFER TO DETAIL. AS-BUILT~~
~~DISCHARGE PIPE SUPPORT. CHANGED TO AN ADJUSTABLE PIPE~~
~~SUPPORT MOUNTED TO A 24" DIA. CONCRETE BASE.~~
 - 5 12" SWING TYPE CHECK VALVE. SLOPE PIPE TO DRAIN BACK
INTO WELL.
 - 6 12" BUTTERFLY VALVE WITH LOCKABLE POSITION USED TO
BALANCE PUMP HEAD LOSS (REFER TO NOTE 3). VALVE SHALL
HAVE REMOVABLE HANDLE.
 - 7 12" DUCTILE IRON PIPE ROUTED TO 18" CORRUGATED METAL
PIPE AS SHOWN.
 - 8 FURNISH AND INSTALL (1) NEW DIESEL ENGINE PER
TRAILER. SEE SPECIFICATIONS FOR REQUIREMENTS OF THE
DIESEL ENGINES. INSTALL EACH ENGINE ON ITS RESPECTIVE
TRAILER IN ACCORDANCE WITH THE MANUFACTURER'S
INSTRUCTIONS.
 - 9 FURNISH AND INSTALL NEW PERMANENTLY MOUNTED
MECHANICAL, MANUALLY ENGAGED POWER TAKE-OFF (PTO) FOR
ENGAGEMENT/DISENGAGEMENT OF THE ENGINE DRIVEN
COMPONENTS. THE CONTRACTOR SHALL BE RESPONSIBLE TO
PROVIDE THE CLUTCHES WITH ADVANCED BEARING ARRANGEMENT
FOR CONTINUOUS OPERATION RATING SIZED FOR THE PUMP
HORSEPOWER REQUIREMENTS. THE CLUTCHES SHALL HAVE A SAE
HOUSING, FLYWHEEL/DRIVE RING ARRANGEMENT TO MATCH THE
NEW ENGINES. DESIGN BASIS: TWIN DISC.
 - 10 THE CONTRACTOR SHALL FURNISH AND INSTALL NEW
TELESCOPING UNIVERSAL JOINT DRIVE SHAFT ASSEMBLIES TO
COUPLE TO THE PUMP'S RIGHT ANGLE GEAR INPUT SHAFTS AND
THE NEW DIESEL ENGINE PTO OUTPUT SHAFTS. THE SHAFT
SHALL ATTACH TO THE ENGINE VIA QUICK CONNECT SPLINTED
COUPLING. THE RIGHT ANGLE GEAR SHALL HAVE A KEYED OR
FLANGED FITTING. THE SHAFT SHALL BE REMOVED AND
TRANSPORTED ON THE TRAILER AFTER EACH USE. THE LENGTH
"X" FOR THE DRIVE SHAFT SHALL BE DETERMINED BY THE
CONTRACTOR FOR THE NEW ENGINE INSTALLATIONS AND TO NOT
EXCEED MAXIMUM ALLOWABLE ANGULAR ALIGNMENT AS
DETERMINED BY THE DRIVE SHAFT MANUFACTURER. PROVIDE
SAFETY SHIELD FOR DRIVE SHAFT AS DESCRIBED IN THE
SPECIFICATIONS. U-JOINTS AND SHAFT SHALL BE RATED FOR
125% OF RATED HORSE POWER. AS-BUILT HINGED SHAFT
SAFETY COVERS ADDED TO BOTH UNITS.
 - 11 PROVIDE FLANGE AT TOP OF WELL FOR SECURING PUMP
DISCHARGE HOUSING AND RIGHT ANGLE GEAR DRIVE.
COORDINATE PUMP MOUNTING REQUIREMENTS WITH PUMP
MANUFACTURER TO ENSURE PROPER FLANGE DIAMETER AND
WEIGHT BEARING CAPACITY.
 - 12 TWO INDIVIDUAL TRAILERS SHALL BE PROVIDED, ONE FOR
EACH WELL SITE. EACH TRAILER SHALL BE EQUIPPED WITH
THE APPROPRIATELY SIZED DIESEL ENGINE WITH PERMANENTLY
ATTACHED PTO CLUTCH, FUEL TANK, 60 GALLON WATER TANK
WITH HOSE (FOR PUMP START UP LUBRICATION), INTEGRAL
JACKS, FULL SIZE SPARE TIRE AND UNIVERSAL DRIVE SHAFT
WITH SECURE STORAGE BRACKETS.
 - 13 PROVIDE FLANGE AROUND TOP OF WELL CASING FOR
MOUNTING PUMP. FLANGE SHALL BE SECURED TO AROUND
ENTIRE PERIMETER OF CASING AS WELL AS STRUCTURALLY
SUPPORTED FROM THE CONCRETE PAD. REFER TO THE DETAIL
ON THIS SHEET.
 - 14 EXTEND 12" DUCTILE IRON PIPE 12" MINIMUM INTO CMP.
MATCH SLOPE AND FLOW LINE ELEVATION OF TWO PIPES. 12"
DUCTILE IRON PIPE SHALL REST ON BOTTOM OF 18" CMP FOR
FULL 12" AT SAME SLOPE.
- NOTES:
1. SCREEN LENGTH SHALL BE DETERMINED BY CONTRACTOR,
SEE SPECS.
 2. PROVIDE DRAIN HOLES ON RISER AS NECESSARY TO
PREVENT STANDING WATER IN PIPE.
 3. PROVIDE METAL TAG ON GATE VALVE TO READ, "DO NOT
ADJUST VALVE. PUMP DAMAGE MAY RESULT".
 4. SEE SPECIFICATION SECTION 33 20 03 (NEW
WATER WELLS AND EXISTING WELL ABANDONMENT) FOR WELL
BORING LOGS.

