

This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 110-I-12.

Pre Dredge Survey

1. Sounded March 23, 2020 by Prairie Engineers, P.C.
2. Horizontal Datum is based on the North American Datum of 1927 (NAD27). Coordinates shown are Missouri East Zone State Plane.
3. Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MIN POOL SURFACE
 Red solid contours are 9' below MIN POOL SURFACE
 Green dashed contours are 12' below MIN POOL SURFACE
 Blue dashed contours are 14' below MIN POOL SURFACE

MIN POOL DEPTHS
 DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE

PRELIMINARY



ZERO NGVD	WATER SURFACE	DIYOM LIND	GAGE RECORD
403.8	403.8	40.6	GRAFTON
238.3	238.3	238.3	238.0
481.0	481.0	481.0	481.0
424.5 (8600)	424.5 (8600)	424.5 (8600)	424.5 (8600)
424.5 (13600)	424.5 (13600)	424.5 (13600)	424.5 (13600)

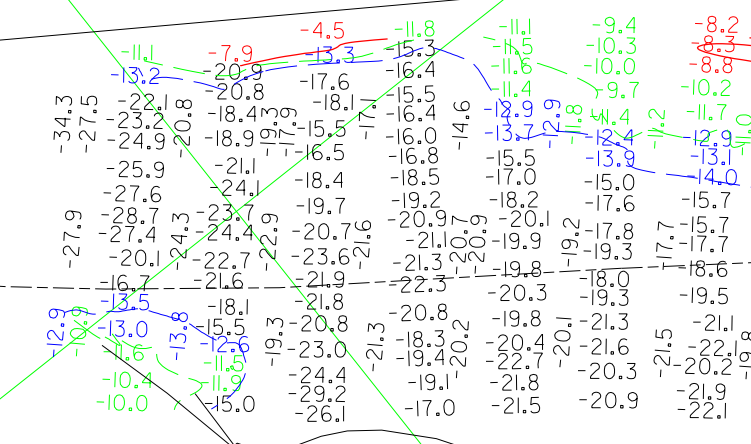
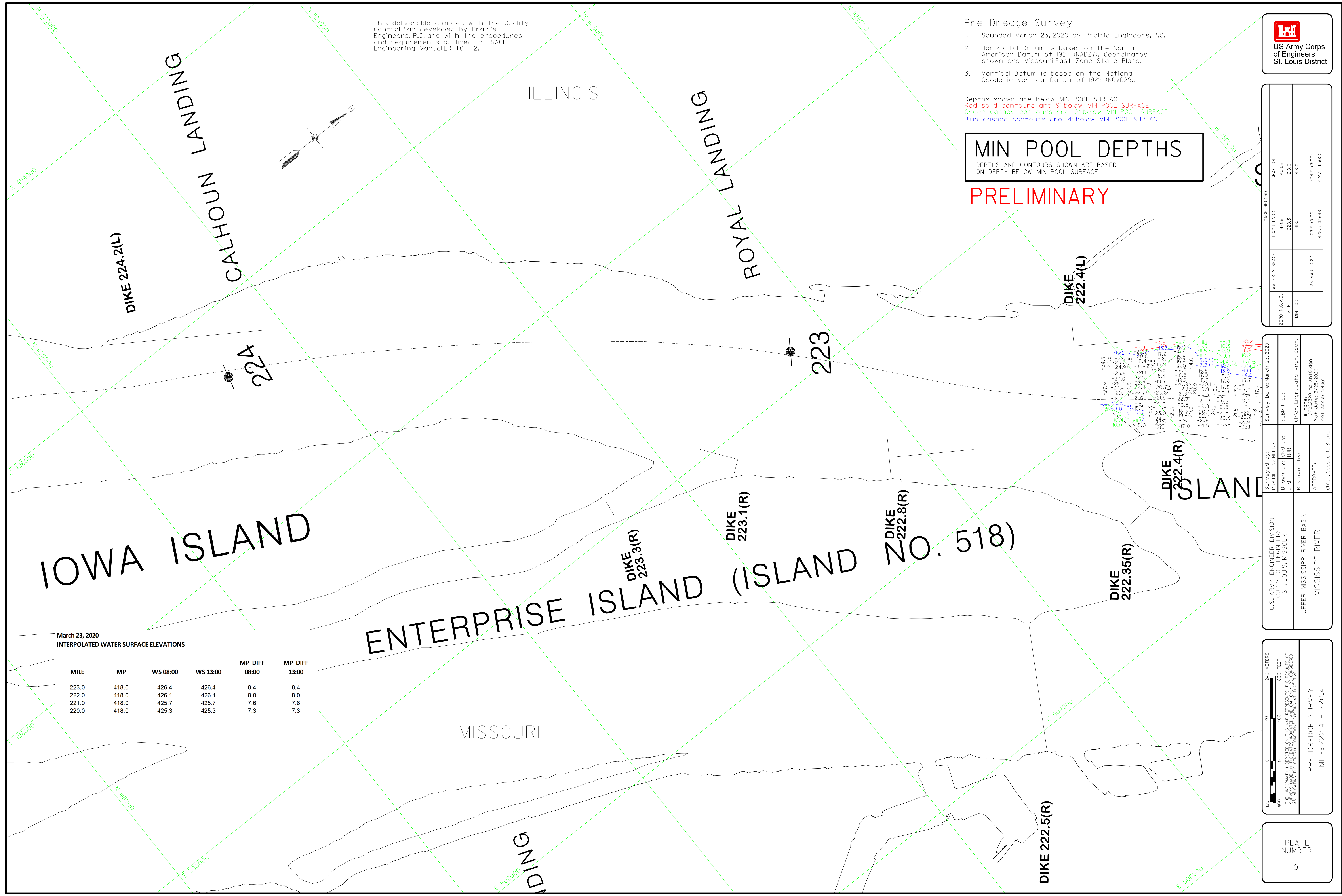
Survey Date: March 23, 2020	Submitted:
Chief, Engr. Data Mgmt. Sect.	Chief, Engr. Data Mgmt. Sect.
File: 2002320_pre.dwg	Plot Date: 3/25/2020
Plot Scale: 1"=400'	Plot Scale: 1"=400'

Surveyed by: PRAIRIE ENGINEERS	Drawn by: PCE by: JLM
Reviewed by:	APPROVED: Chief, Geospatial Branch

U.S. ARMY ENGINEER DIVISION CORPS OF ENGINEERS ST. LOUIS, MISSOURI	UPPER MISSISSIPPI RIVER BASIN MISSISSIPPI RIVER
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PRE DREDGE SURVEY MILE: 222.4 - 220.4
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PLATE NUMBER 01



March 23, 2020
 INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 08:00	WS 13:00	MP DIFF 08:00	MP DIFF 13:00
223.0	418.0	426.4	426.4	8.4	8.4
222.0	418.0	426.1	426.1	8.0	8.0
221.0	418.0	425.7	425.7	7.6	7.6
220.0	418.0	425.3	425.3	7.3	7.3

240 METERS
 800 FEET
 THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY CONDUCTED UNDER THE GENERAL CONDITIONS EXISTING AT THAT TIME.

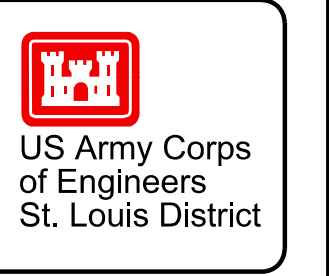
This deliverable complies with the Quality Control Plan developed by Prairie Engineers, P.C. and with the procedures and requirements outlined in USACE Engineering Manual ER 110-I-2.

Pre Dredge Survey

- Sounded September 12, 2019 by Prairie Engineers, P.C.
- Horizontal Datum is based on the North American Datum of 1927 (NAD27). Coordinates shown are Missouri East Zone State Plane.
- Vertical Datum is based on the National Geodetic Vertical Datum of 1929 (NGVD29).

Depths shown are below MIN POOL SURFACE
 Red solid contours are 9' below MIN POOL SURFACE
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MIN POOL DEPTHS
 DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MIN POOL SURFACE



GAGE RECORD		GRAFTON
WATER SURFACE	DYOM LIND	403.8
ZERO NGVD		238.3
MILE		481
MIN POOL		481.0
	12 SEP 2019	481.7 (RCD)
		481.7 (RCD)

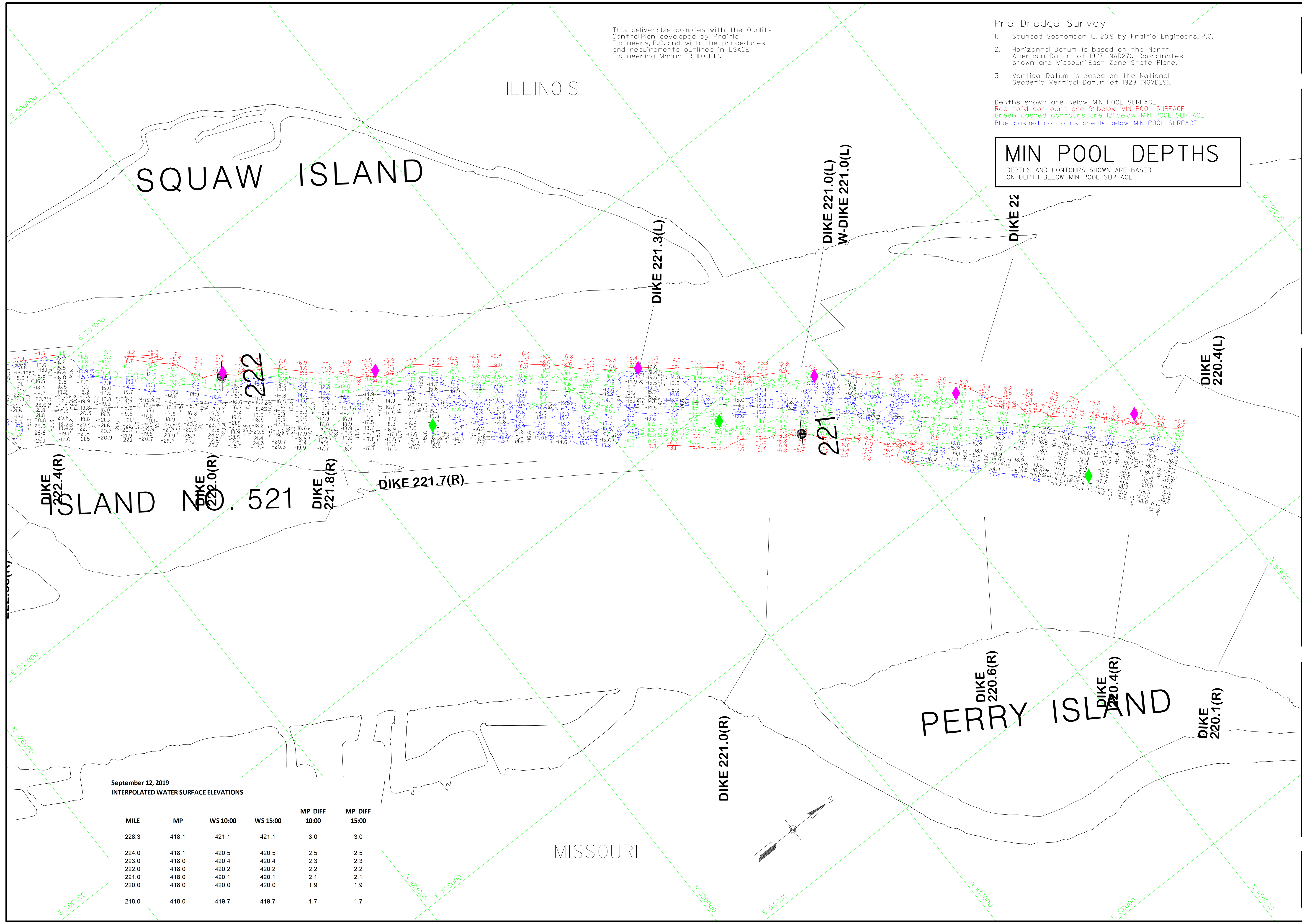
Surveyed by:	Prarie Engineers
Drawn by:	Prarie Engineers
Reviewed by:	Chief, Engr. Data Mgmt. Sect.
APPROVED:	Chief, Engr. Data Mgmt. Sect.
FILE:	2002320_ne_sht02.dgn
DATE:	3/25/2020
SCALE:	Plot scale 1"=400'

U.S. ARMY ENGINEER DIVISION	MISSOURI
CORPS OF ENGINEERS	MISSOURI
ST. LOUIS, MISSOURI	MISSOURI
UPPER MISSISSIPPI RIVER BASIN	MISSOURI
MISSISSIPPI RIVER	MISSOURI

U.S. ARMY ENGINEER DIVISION	MISSOURI
CORPS OF ENGINEERS	MISSOURI
ST. LOUIS, MISSOURI	MISSOURI
UPPER MISSISSIPPI RIVER BASIN	MISSOURI
MISSISSIPPI RIVER	MISSOURI

240 METERS	800 FEET
120 METERS	400 FEET
60 METERS	200 FEET
0 METERS	0 FEET
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY CONDUCTED UNDER THE GENERAL CONDITIONS EXISTING AT THAT TIME.	
PRE DREDGE SURVEY	
MILE: 222.4 - 220.4	

PLATE NUMBER
02



September 12, 2019
 INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 15:00	MP DIFF 10:00	MP DIFF 15:00
228.3	418.1	421.1	421.1	3.0	3.0
224.0	418.1	420.5	420.5	2.5	2.5
223.0	418.0	420.4	420.4	2.3	2.3
222.0	418.0	420.2	420.2	2.2	2.2
221.0	418.0	420.1	420.1	2.1	2.1
220.0	418.0	420.0	420.0	1.9	1.9
218.0	418.0	419.7	419.7	1.7	1.7