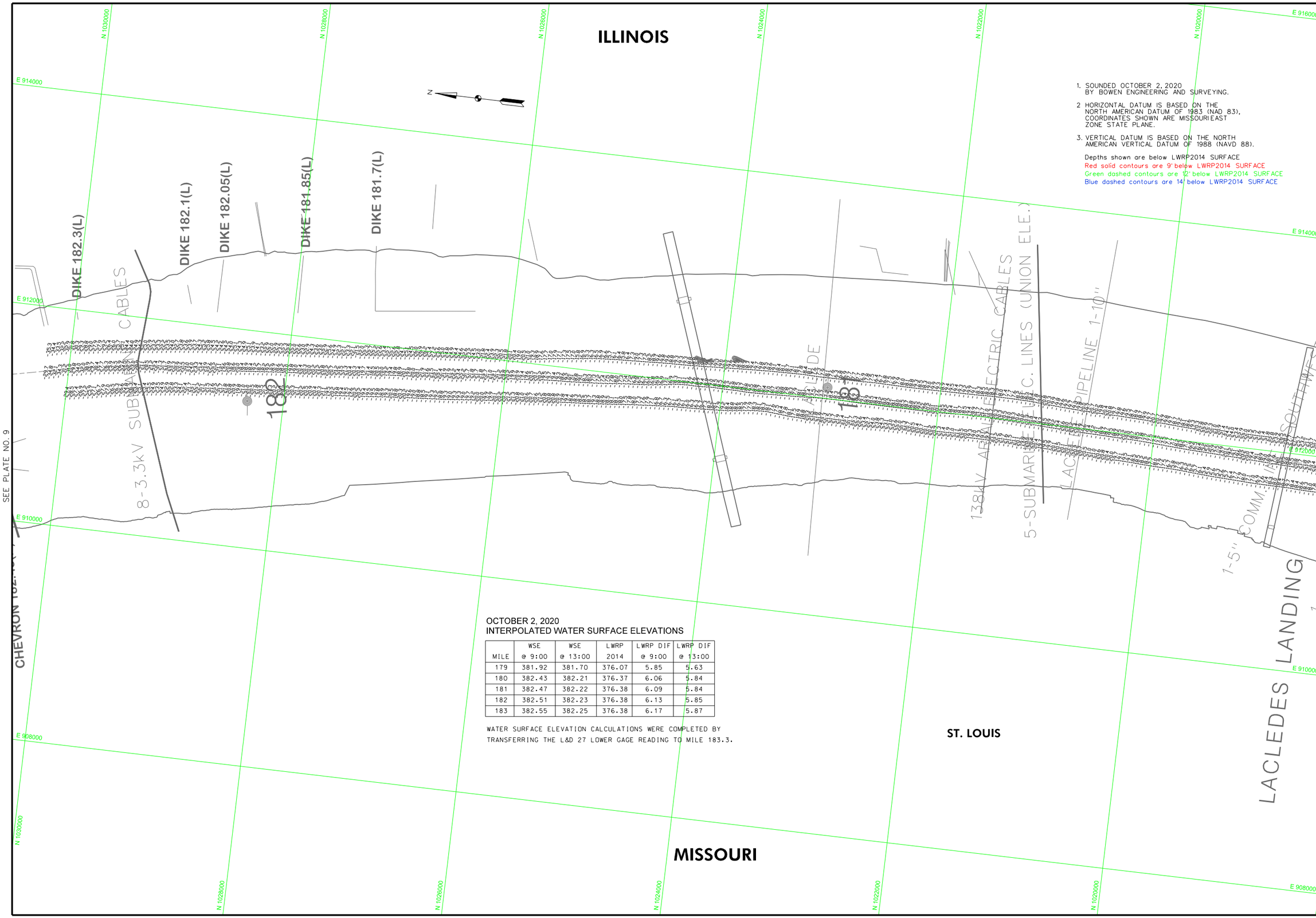



1. SOUNDED OCTOBER 2, 2020 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD 83), COORDINATES SHOWN ARE MISSOURI EAST ZONE STATE PLANE.
3. VERTICAL DATUM IS BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

Depths shown are below LWRP2014 SURFACE
Red solid contours are 9' below LWRP2014 SURFACE
Green dashed contours are 12' below LWRP2014 SURFACE
Blue dashed contours are 14' below LWRP2014 SURFACE

OCTOBER 2, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

| MILE | WSE @ 9:00 | WSE @ 13:00 | LWRP 2014 | LWRP DIF @ 9:00 | LWRP DIF @ 13:00 |
|---|---|---|---|---|---|
| 179 | 381.92 | 381.70 | 376.07 | 5.85 | 5.63 |
| 180 | 382.43 | 382.21 | 376.37 | 6.06 | 5.84 |
| 181 | 382.47 | 382.22 | 376.38 | 6.09 | 5.84 |
| 182 | 382.51 | 382.23 | 376.38 | 6.13 | 5.85 |
| 183 | 382.55 | 382.25 | 376.38 | 6.17 | 5.87 |

WATER SURFACE ELEVATION CALCULATIONS WERE COMPLETED BY TRANSFERRING THE L&D 27 LOWER GAGE READING TO MILE 183.3.

US Army Corps of Engineers
St. Louis District

GAGE RECORD

| | L&D 27 LOWER | ST. LOUIS, MO | JEFFERSON BARRACKS | CHESTER, IL |
|---|---|---|---|---|
| ZERO N.A.V.D. | 349.49 | 379.58 | 377.34 | 340.73 |
| MILE | 185.1 | 180.0 | 168.7 | 109.9 |
| LWRP 2014 | 376.38 | 376.38 | 369.63 | 340.33 |
| 02 OCT 2020 | 33.07(9:00) 32.76(13:00) | 2.85(9:00) 2.63(13:00) | X | 5.88(9:00) 6.01(13:00) |

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER

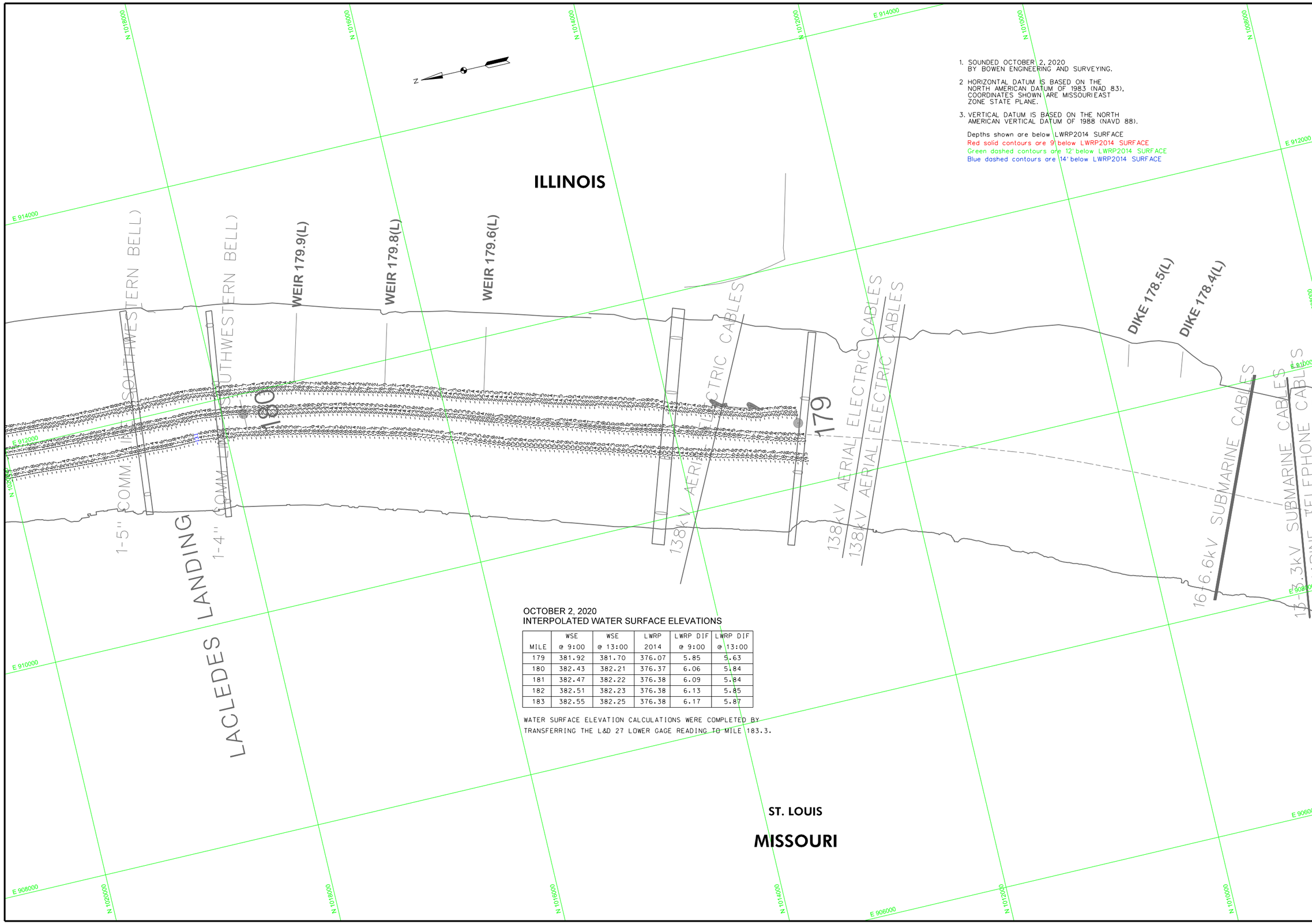
Surveyed by: BOWEN ENGINEERING
Survey Date: OCTOBER 2, 2020
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: 8888/DATE TIME8888
File name: 8888DESIGN8-1 SRP-PROFILE-CLEVON188

240 METERS
800 FEET
120 0 120 400 0 400

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS PERFORMED BY THE ST. LOUIS DISTRICT, CORPS OF ENGINEERS AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

CHANNEL PATROL
RIVER MILES 180.3 – 182.2

PLATE NUMBER
10




1. SOUNDED OCTOBER 2, 2020 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD 83), COORDINATES SHOWN ARE MISSOURI EAST ZONE STATE PLANE.
3. VERTICAL DATUM IS BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

Depths shown are below LWRP2014 SURFACE
Red solid contours are 9' below LWRP2014 SURFACE
Green dashed contours are 12' below LWRP2014 SURFACE
Blue dashed contours are 14' below LWRP2014 SURFACE

OCTOBER 2, 2020
INTERPOLATED WATER SURFACE ELEVATIONS

| MILE | WSE @ 9:00 | WSE @ 13:00 | LWRP 2014 | LWRP DIF @ 9:00 | LWRP DIF @ 13:00 |
|---|---|---|---|---|---|
| 179 | 381.92 | 381.70 | 376.07 | 5.85 | 5.63 |
| 180 | 382.43 | 382.21 | 376.37 | 6.06 | 5.84 |
| 181 | 382.47 | 382.22 | 376.38 | 6.09 | 5.84 |
| 182 | 382.51 | 382.23 | 376.38 | 6.13 | 5.85 |
| 183 | 382.55 | 382.25 | 376.38 | 6.17 | 5.87 |

WATER SURFACE ELEVATION CALCULATIONS WERE COMPLETED BY TRANSFERRING THE L&D 27 LOWER GAGE READING TO MILE 183.3.

US Army Corps of Engineers
St. Louis District

GAGE RECORD

| | L&D 27 LOWER ST. LOUIS, MO | JEFFERSON BARRACKS | CHESTER, IL |
|---|---|---|---|
| ZERO N.A.V.D. | 349.49 | 377.34 | 340.73 |
| MILE | 185.1 | 188.0 | 109.9 |
| LWRP 2014 | 376.38 | 369.63 | 340.33 |
| 02 OCT 2020 | 33.0(19:00) 32.76(13:00) | 2.85(9:00) 2.63(13:00) | x 5.88(9:00) 6.01(13:00) |

Surveyed by: BOWEN ENGINEERING
Survey Date: OCTOBER 2, 2020
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: 8888/DATE TIME8888
File name: 8888/DESIGN8\LEBAPICP\CAD\01N88

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER

240 METERS
800 FEET
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS PERFORMED BY BOWEN ENGINEERING AT THE TIME OF SURVEY AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

CHANNEL PATROL
RIVER MILES 178.2 –180.3

PLATE NUMBER
11