



NEBRASKA-FRAZERS & OTOE BENDS CONTRACTOR: WARROSS CONSTRUCTION CO. CONTRACT NO. W46199 5368

| STRUCTURE NUMBER | LENGTH | AZIMUTH | STRENGTH | 30° PENETRATION | ELEVATION ABOVE M.S.L. | M.L.W. ALLLOT NO. |
|------------------------|----------|-----------------|----------|-----------------|------------------------|-------------------|
| DIKE 5991 R.B. 5900 | 398' 44" | SEE DME | SEE DME | SEE DME | 910.0 | 902.0 7030 |
| DIKE 5991 R.B. 5900 | 398' 44" | SEE DME | SEE DME | SEE DME | 910.0 | 902.0 7030 |
| DIKE 5991 R.B. 5900 | 398' 44" | SEE DME | SEE DME | SEE DME | 910.0 | 902.0 7030 |
| TRAIL 600.6A R.B. 1702 | 307' 51" | 3 ROW-18' CTRS. | SEE DME | SEE DME | 910.0 | 902.0 7030 |
| TRAIL 600.6A R.B. 1702 | 307' 51" | 3 ROW-18' CTRS. | SEE DME | SEE DME | 910.0 | 902.0 7030 |
| DIKE 5972 R.B. 1637 | 320' 31" | 3 ROW-18' CTRS. | SEE DME | SEE DME | 907.0 | 902.8 7030 |

1 Marker Clump Elevation 915.0

REVISED: August 17, 1934 to show Dike 600.8, 5991 & 5981 R.B. authorized for construction.

October 1, 1934 showing changed location and length of Dike 600.8 R.B. to conform to letter of even date.

October 1, 1934 showing changed length of Dike 600.8 R.B. to conform to letter of even date.

April 1, 1935 showing the extension of Dike 600.8, 5991 & Dike 600.8, 5972 R.B. authorized for construction.

Sept. 26, 1935 showing the construction of 18 Pile temporary terminals for Dike 600.6, 5991 and 5981 R.B. reserved to conform to letter of even date.

March 18, 1937 to show structures completed under contract.

OTOE BEND HIRED LABOR CONTRACTOR: W.A. ROSS CONSTRUCTION CO. CONTRACT NO. W4925 eng-5

| STRUCTURE NUMBER | LENGTH | AZIMUTH | STRENGTH | 30° PENETRATION | ELEVATION ABOVE M.S.L. | M.L.W. ALLLOT NO. |
|------------------------|----------|-----------------|----------|-----------------|------------------------|-------------------|
| DIKE 5981 R.B. 330 | 277' 06" | 2 ROW-15' CTRS. | SEE DME | SEE DME | 908.0 | 901.4 7034 |
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| DIKE 5981 R.B. 330 | 277' 06" | 2 ROW-15' CTRS. | SEE DME | SEE DME | 908.0 | 901.4 7034 |
| TRAIL 600.1A R.B. 1300 | 577' 34" | SEE DME | SEE DME | SEE DME | 908.0 | 914.5 9025 8018 |
| TRAIL 600.1A R.B. 1300 | 577' 34" | SEE DME | SEE DME | SEE DME | 908.0 | 914.5 9025 8018 |
| RIGHT 5987 L.B. 12-460 | 318' 51" | 3 ROW-18' CTRS. | SEE DME | SEE DME | 911.0 | 915.9 903.2 8018 |
| DIKE 603.0 R.B. 792 | 335' 09" | SEE DME | SEE DME | SEE DME | 912.8 | 903.8 8018 |

REVISIONS: August 22, 1934 to show Abatis 5981 R.B. authorized for construction.

REVISIONS: # Includes 300' Pile Reinforcement from Sta. 23160 to Sta. 23160 Elev. 913.5

July 2, 1935 showing Dike 600.1, 600.2, 600.3, 600.4, 600.5, 600.6, 600.7, 600.8, 600.9, 600.10, 600.11, 600.12, 600.13, 600.14, 600.15, 600.16, 600.17, 600.18, 600.19, 600.20, 600.21, 600.22, 600.23, 600.24, 600.25, 600.26, 600.27, 600.28, 600.29, 600.30, 600.31, 600.32, 600.33, 600.34, 600.35, 600.36, 600.37, 600.38, 600.39, 600.40, 600.41, 600.42, 600.43, 600.44, 600.45, 600.46, 600.47, 600.48, 600.49, 600.50, 600.51, 600.52, 600.53, 600.54, 600.55, 600.56, 600.57, 600.58, 600.59, 600.60, 600.61, 600.62, 600.63, 600.64, 600.65, 600.66, 600.67, 600.68, 600.69, 600.70, 600.71, 600.72, 600.73, 600.74, 600.75, 600.76, 600.77, 600.78, 600.79, 600.80, 600.81, 600.82, 600.83, 600.84, 600.85, 600.86, 600.87, 600.88, 600.89, 600.90, 600.91, 600.92, 600.93, 600.94, 600.95, 600.96, 600.97, 600.98, 600.99, 600.100.

May 1, 1935 showing Dike 5972 R.B. authorized for construction.

May 1, 1935 showing Dike 5981 R.B. authorized for construction.

May 1, 1935 showing Dike 5981 R.B. from Sta. 24000 to Sta. 24000 reserved to conform to letter of even date.

May 1, 1935 showing Dike 600.8 R.B. from Sta. 24000 to Sta. 24000 reserved to conform to letter of even date.

May 1, 1935 showing Dike 600.8 R.B. from Sta. 24000 to Sta. 24000 reserved to conform to letter of even date.

May 1, 1935 showing Dike 600.8 R.B. from Sta. 24000 to Sta. 24000 reserved to conform to letter of even date.

Δ Station is the origin of coordinate system.
 All azimuths on this sheet referred to true South at Δ 288.
 Grid Divergence = 0° 34' 47"
 Soundings taken Sept. 23, 1931.
 Bank Line & Bars July 22-28, 1931.
 Elevations referred to Mean Sea Level as zero.
 River Stage - below M.L.W. Sept. 23-0.8'.
 River Stage - below 1930 L.W.P. Sept. 23 = 0.5'.

MISSOURI RIVER
ST. JOSEPH, MO. TO FLORENCE, NEB.
 TOPOGRAPHIC SURVEY
 MILE 597.3 TO MILE 601.0
 In 72 31 feet Sheet No. 43 Scale 1" = 400'
 U.S. Engineer Office, Kansas City, Missouri, July 22-29, 1931
 Approved: *[Signature]*
 256.43