



MILLS & POTTAWATTAMIE COUNTY LEVEE  
 MANAWA AND BELLEVUE BENDS  
 CONTRACTOR: GEO. W. CONDON, FURNINGHAM & CO., CHICAGO, ILL.  
 ER-CONTRACT NO. W.425.eng-9

STRUCTURE	NUMBER	LENGTH	AZIMUTH	STRENGTH	30' PENETRATION	ELEVATION ABOVE M.S.L. DIKE	C.R.P. MARKER CLUMP	WORK NO.
DIKE	648.5 L.B.	1060'	111° 14'	3 ROW-18" CTRS.	STA. 7+79 TO STA. 17+13	985.0	958.3	128-9.1 C
DIKE	648.3 L.B.	850'	158° 47'	3 ROW-18" CTRS.	850'	984.8	971.0	128-9.1 C
TRAIL	648.3-A L.B.	890'	119° 06'	3 ROW-18" CTRS.	890'	984.8	971.0	128-9.1 C
DIKE	648.2 L.B.	1350'	145° 19'	3 ROW-18" CTRS.	SEE DIKE	984.8	970.8	128-9.1 C
TRAIL	648.2-A L.B.	1450'	97° 23'	SEE DIKE	STA. 9+91 TO STA. 14+50	984.8	970.8	128-9.1 C
DIKE	647.8 L.B.	2024'	140° 00'	SEE DIKE	SEE DIKE	983.8	970.5	128-9.1 C
DIKE	647.5 L.B.	1544'	121° 21'	SEE DIKE	STA. 14+60 TO STA. 16+90	983.0	970.3	128-9.1 C
DIKE	647.1 L.B.	737'	107° 35'	SEE DIKE	STA. 5+22 TO STA. 7+25	982.9	970.0	128-9.1 C
REVEMENT	648.1 R.B.	1298'	SEE DIKE	SEE REVEY	STA. 29+51 TO STA. 36+98	#	970.8	128-9.1 C
LONG. DIKE	647.7 R.B.	912'	SEE DIKE	3 ROW-18" CTRS.	STA. 36+98 TO STA. 45+10	985.0	970.4	128-9.1 C
STD. REVEY	651.3 L.B.	1472'	147°	SEE DIKE	SEE DIKE	985.0	955.4	128-9.1 C
DIKE	647.55 R.B.	144'	319° 42'	3 ROW-18" CTRS.	STA. 5+13 TO STA. 8+20	984.0	970.3	128-9.1 C
TRAIL	647.55-A R.B.	144'	21° 09'	SEE DIKE	STA. 6+15 TO STA. 10+60	984.0	970.3	128-9.1 C
DIKE	647.2 R.B.	1836'	SEE DIKE	SEE DIKE	STA. 10+19 TO STA. 13+85	984.0	970.0	128-9.1 C
TRAIL	647.2-A R.B.	2155'	9° 46'	SEE DIKE	SEE DIKE	984.0	970.0	128-9.1 C
DIKE	646.1 R.B.	285'	SEE DIKE	2 ROW-18" CTRS.	20' PENETRATION	985.0		
DIKE REPAIR	647.55 R.B.	155'	319° 42'	3 ROW-18" CTRS.	STA. 8+85 TO STA. 8+20	984.0	970.3	128-9.1 C

Revisions:  
 Sept. 17, 1936, showing changed length of Std. Revet. No. 651.3 L.B. & showing portion (6+00 to 17+00) of Pile Revet. No. 648.1 R.B. changed to dike.  
 Feb. 3, 1939 showing authority for construction of portion of Revet. 651.3 L.B. (Sta. 125+72 to Sta. 135+28), also portion of Longitudinal Dike (648.1).  
 April 27, 1939 showing changed length of Standard Revetment 651.3 L.B. to conform to letter of even date.  
 Aug. 6, 1936, showing changed length of Dike 647.55 R.B. to conform with list of even date.  
 Aug. 17, 1936, showing changed length of Revetment 648.1 R.B. and Dike 647.7 R.B. authorized for construction.  
 April 3, 1937 showing changed length and strength of Trail Dike 647.2-A R.B. to conform to letter of even date.  
 May 3, 1937 showing authority for construction of Crib Dike 646.6 R.B. resubmitted, to conform to letter of even date.  
 July 19, 1937 showing changed length and strength of Revetment 648.1 R.B.  
 July 28, 1937 showing portion of Standard Revetment 648.1 R.B. (Sta. 0+00 to Sta. 6+00) resubmitted.  
 August 2, 1937 showing repair to Dike 647.55 R.B. to conform to letter of even date.  
 August 18, 1937 showing changed length and strength of Dike 647.55 R.B. to conform to letter of even date.  
 April 4, 1938 showing portion of Revetment 648.1 R.B. changed from Standard Revetment to Pile Revet. (Sta. 11+00 to Sta. 21+60), to conform to letter of even date.  
 June 9, 1938 showing portion of Revetment 648.1 R.B. changed from Standard Revetment to Pile Revet. (Sta. 0+00 to Sta. 11+00), to conform to letter of even date.  
 August 10, 1938 showing authority for construction of portion of Revet. 651.3 L.B.  
 August 17, 1938 showing authority for construction of portion (Sta. 110+28 to Sta. 115+28) resubmitted, to conform to letter of even date.

REVISIONS:  
 July 16, 1935 showing Dikes 648.45, 648.3, 648.3-A, 648.2, 648.2-A, 647.8, 647.5, 647.1 & Revetment 648.6, L.B. and Dikes 647.75, 647.6, 647.55, 647.55-A, 647.2, 647.2-A, 646.6 & Revetment 648.1, R.B. authorized for construction.  
 Nov. 12, 1935 showing changed length, strength, and elevation of Dike 647.2 R.B. changed length and elevation of Dike 647.55 R.B. and authority for construction of Trails 647.2-A and 647.55-A R.B. resubmitted.  
 Dec. 2, 1935 showing Dike 647.6 R.B. deleted, changed layout of Dike 647.75 R.B. changed length of Revetment 648.1, R.B. to include 900' of Pile Revetment and Dike 647.61 R.B. authorized for construction.  
 Jan. 16, 1936 showing correction of basic survey data.  
 June 12, 1936 showing change in length Dike 647.2 R.B.; Dike 647.2-A R.B. authorized for construction.  
 July 27, 1936 showing extension and realignment of Pile Revetment 648.1, R.B.; Dikes 647.75 and 647.61 resubmitted; Dike 647.55 resubmitted from Sta. 0+15 to Sta. 6+20 and authorized from Sta. 6+20 to Sta. 8+20, also changed length and location of Trail Dike 647.55-A and authorized for construction.  
 All structures on R.B.  
 Aug. 3, 1936 showing changed strength of Dike 647.2 R.B. to conform with list of even date.

\* Abolish portion (Sta. 110 to 1490) constructed by Hired Labor Alet No. 232  
 \* Includes: 1- Pile Rev. 2 Row 18" Ctrs. 20' Pen. Sta. 13+00 to Sta. 29+51 and  
 1- Pile Rev. 3 Row 18" Ctrs. 20' Pen. Sta. 29+51 to Sta. 56+99, all elev. 965.0  
 \* Includes Bar Root Fence. Sta. 6+13 to Sta. 1+79  
 Aug. 6, 1936, showing changed length of Dike 647.55 R.B. to conform with list of even date.  
 Aug. 17, 1936, showing changed length of Revetment 648.1 R.B. and Dike 647.7 R.B. authorized for construction.  
 April 3, 1937 showing changed length and strength of Trail Dike 647.2-A R.B. to conform to letter of even date.  
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NOTES:  
 Δ Weston is the origin of coordinate system.  
 Grid Divergence is shown on this map at Traverse Stations 647.55 R.B.  
 Bank Lines and Topography taken from Topographic Survey of Sept. 22 & 23, 1931.  
 Bars & Bank Line revisions taken from Hydrographic Surveys of July 24 & 25, 1935 and Bank Line Survey of Oct. 15, 1935.  
 Elevations referred to Mean Sea Level as zero.

**MISSOURI RIVER**  
**GIBSON BEND TO BELLEVUE BEND**  
 TOPOGRAPHIC SURVEY  
 MILE 6544 TO MILE 646 4

In 1 Sheet  
 Scale: 1" = 400'

U.S. Engineer Office, Omaha, Nebraska.  
 Submitted: *Albino* Approved: *Albino*  
 Captains Corps of Engineers  
 Compiled by P.R.R. Traced by P.R.R. Checked by A.W.K. Transmitted with dated: \_\_\_\_\_