CORPS OF ENGINEERS

U.S. ARMY

ATCHISON COUNTY

MISSOURI

NEMAHA COUNTY

NEBRASKA

UPPER SONORA BEND

LOWER SONORA BEND

581.2 REV.
BEGINS STA -(1+75)

580.4 DIKE
PILE EL 890.0
ROCK EL 890.8

579.9
PILE EL 889.6
ROCK EL 888.6

579.81
PILE EL 889.6
ROCK EL 890.6

579.7
PILE EL 891.4
ROCK EL 890.4

580.1 REV.

579.0
PILE EL 888.0

578.4
PILE EL 888.0
ROCK EL 887.7
SILL EL 884.9 TO 879.9

577.75
PILE EL 889.4
ROCK EL 887.4
SILL EL 883.2

577.8
PILE EL 888.0

577.95
PILE EL 888.8
ROCK EL 885.5
SILL EL 882.5

577.85
PILE EL 889.5
ROCK EL 886.2
SILL EL 883.4

578.0
PILE EL 888.7
ROCK EL 885.8
SILL EL 882.6

578.2
PILE EL 888.9
ROCK EL 885.8

581.0
PILE EL 893.3
ROCK EL 890.4

580.9
PILE EL 892.8
ROCK EL 888.0

580.15
ROCK EL 887.7

580.3
ROCK EL 888.9

579.92
ROCK EL 889.7

580.0
PILE EL 892.3
ROCK EL 890.3

579.8
PILE EL 892.1
ROCK EL 888.9
SILL EL 885.4 TO 880.4

579.65
PILE EL 892.0
ROCK EL 887.3
SILL EL 885.3 TO 880.3

579.6
PILE EL 891.8
ROCK EL 889.3
SILL EL 885.1 TO 880.1

579.55
S.A.P. EL 886.2

579.5
ROCK EL 889.1

579.4 REV.

579.53 REV.

580.6

579.3
PILE EL 891.5
ROCK EL 889.1

579.57
ROCK EL 889.2

579.7-A

579.41
ROCK EL 888.9

579.1
ROCK EL 888.6

579.2
ROCK EL 888.9

578.8
ROCK EL 888.9

578.71
ROCK EL 888.2

578.61
ROCK EL 888.1

578.51
ROCK EL 879.9
SILL EL 883.2 TO EL 880.2

578.9
ROCK EL 888.5

578.35
ROCK EL 888.7

578.25 REV.

578.3
ROCK EL 887.5

578.5
ROCK EL 888.9

578.55
ROCK EL 888.0

578.45
ROCK EL 888.9

578.7
PILE EL 890.7
ROCK EL 888.3

578.6
PILE EL 890.6
ROCK EL 888.1

577.9
ROCK EL 887.5

577.7-A REV.

577.6 DIKE
PILE EL 890.0
ROCK EL 890.0

PHELPS CITY LEVEE

L-180 (RESET)
El 893.1

Cultivated

Timber

Pasture

Willows

Scattered Willows & Weeds

Scattered Willows

Scattered Willows & Cottonwoods

Weeds

Pond

Drainage Ditch

Structure Azimuth Line is C.O.P.

Banklines
17 Sept, 1968

L-554.9

L-554.75

L-554.6

L-554.5

L-554.4

L-554.25*
R-560

L-554.15

L-554.0

L-553.8*
R-518

L-553.5

L-553.4

L-553.3

L-553.0

L-552.9
EL 893.73

L-552.8

L-552.45*
Sta. 401+60.8

L-552.05*
P.I. L-550+40

L-552.0

L-551.9

L-552.25

L-552.31

L-552.39

L-552.5

L-552.55

L-552.81*
Sta. 3+94

L-552.75*
Sta. 2+25

L-552.89*
Sta. 1+98

L-554.81*
Sta. 24+84

L-554.8*
Sta. 5+45

L-554.4*
Sta. 22+22

R-554.95*
Sta. 2+15

R-554.25*
Sta. 18+69

R-554.15*
Sta. 47+44

R-554.05*
Sta. 44+03

R-553.85*
Sta. 0+61

R-553.65

R-553.6

R-553.45

R-553.25

R-553.15

R-552.95

L-1A

GRID DIV. TRUE AT A PERU 0° 28' 33.2"

GRID DIV. TRUE AT A BROWNVILLE 0° 28' 33.2"

GRID DIVERGENCE (P) 3°08.3" TRUE AT A PERU

GRID DIVERGENCE (P) 2°39'33.2" TRUE AT A BROWNVILLE

GAGE 535.25

BROWNVILLE

NOTES:

⚠ WESTON IS THE ORIGIN OF THE GRID COORDINATE SYSTEM
ALL AZIMUTHS ON THIS SHEET REFER TO TRUE SOUTH AS SHOWN
GRID DIVERGENCE AS SHOWN
ELEVATIONS REFER TO MEAN SEA LEVEL AS ZERO
© 1980 ADJUSTED MILEAGE
1899 MILEAGE SHOWN IN TITLE
BEND CHANGE

DATE	DESCRIPTION	MADE	APPR'D
	Revised to show latest field data		

REVISIONS

U. S. ARMY ENGINEER DISTRICT OMAHA
CORPS OF ENGINEERS
OMAHA NEBRASKA

COMPILED BY: R L B
DRAWN BY: R L B, J B S
CHECKED BY: G.C.S.
SUBMITTED BY: CHIEF, CHANNEL & TAB. SEC.
RECOMMENDED: CHIEF, HYDRO ENG. BRANCH
APPROVED: Col. C. E. DISTRICT ENGINEER

MISSOURI RIVER
PONCA BEND TO RULO BEND
STRUCTURE 581.00 TO 577.75
UPPER SONORA AND LOWER SONORA BENDS

APPROVED: R. P. Brownell, CHIEF, ENGINEERING DIVISION
DATE: APRIL 1974

SCALE 1 INCH = 400 FEET
0 400 800 FEET

DRAWING NUMBER
SHEET 18 OF 82
M400/13

MILE 538.2 TO 535.2 (1960)