SEE PLATE NO. 4A

SEE PLATE NO. 3

SEE PLATE NO. 5

1,076,000 N 610,000 E

608,000 E

1,074,000 N

1,072,000 N

604,000 E

1,078,000 N

1,080,000 N

LWRP 396.12

AMEREN UE AERIAL POWERLINE

SHELL PIPELINE CORP.

LEVEE

CHAIN OF ROCKS CANAL

LEVEE

ILLINOIS

LWRP 396.08

CHOUTEAU ISLAND

WEIR NO. 194.5 (L)

WEIR NO. 194.3 (L)

WEIR NO. 194.1 (L)

WEIR NO. 194.0 (L)

EL.100
EL.50
EL.10
EL.0
EL.-10
EL.-20
EL.-30

LWRP 396.12

LWRP 396.08

LWRP 396.12

DUCK ISL.

DIKE NO. 194.10 (R) (PILE K-C DIST.)

H.P. NO. 194.6 (R)

H.P. NO. 194.5 (R)

H.P. NO. 194.4 (R)

H.P. NO. 194.0 (R)

H.P. NO. 193.9 (R)

LEVEE

COLUMBIA BOTTOMS

MISSOURI

2 SUBMARINE TELEPHONE CABLES

DIKE NO. 193.2 (R)

DIKE NO. 193.0 (R)

DIKE NO. 192.7 (R)

SHELL PIPELINE CORP 1-10"

SHELL PIPELINE CORP 1-10"

SHELL PIPELINE CORP 1-8"

103

MS = 403

US Army Corps of Engineers St. Louis District

GAGE RECORD

	WATER SURFACE	HARTFORD	CAHIN OF ROCKS	ST. LOUIS
ZERO N.G.V.D.		350.0	313.91	379.94
MILE		196.8	190.4	179.6
L.W.R.P.		396.2	396.0	376.4
11 NOV 2007	399.8	N/A	398.7	
9 JAN 2008	404.2	N/A	401.9	

ELEVATIONS ARE REFERRED TO N.G.V.D. - CONTOURS ARE BELOW 1985-87 LOW WATER REFERENCE PLANE (LWRP) (1490 CFS)

Survey Dated: January 9, 2008
November 11, 2007

Surveyed by: HANSON ENGINEERING

Reviewed by: JAMES KEIM

Drawn by: VICTOR BEHRMANN

Ckd by: DAWN LAMM

APPROVED: KEITH L. SHORT
Chief, Geospatial Branch
Por. date: ssssDATE*TIMEssss

SUBMITTED: JAMES L. KEIM
Chief, Engr. Data Mngt. Sect.
Por. scales:
File names:

DESIGNER FILE*SPECIFICATIONS

USA ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

UPPER MISSISSIPPI RIVER BASIN
HYDROGRAPHIC SURVEY
RIVER MILES 192.6 - 194.5

240 METERS
800 FEET

THE HYDROGRAPHIC DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

DATE OF PHOTO MOSAIC: 22-24 FEB 2006
ST. LOUIS GAGE: -1.7, -1.8, -1.3
CAIRO GAGE: 21.1, 20.1, 19.5

PLATE NUMBER 4