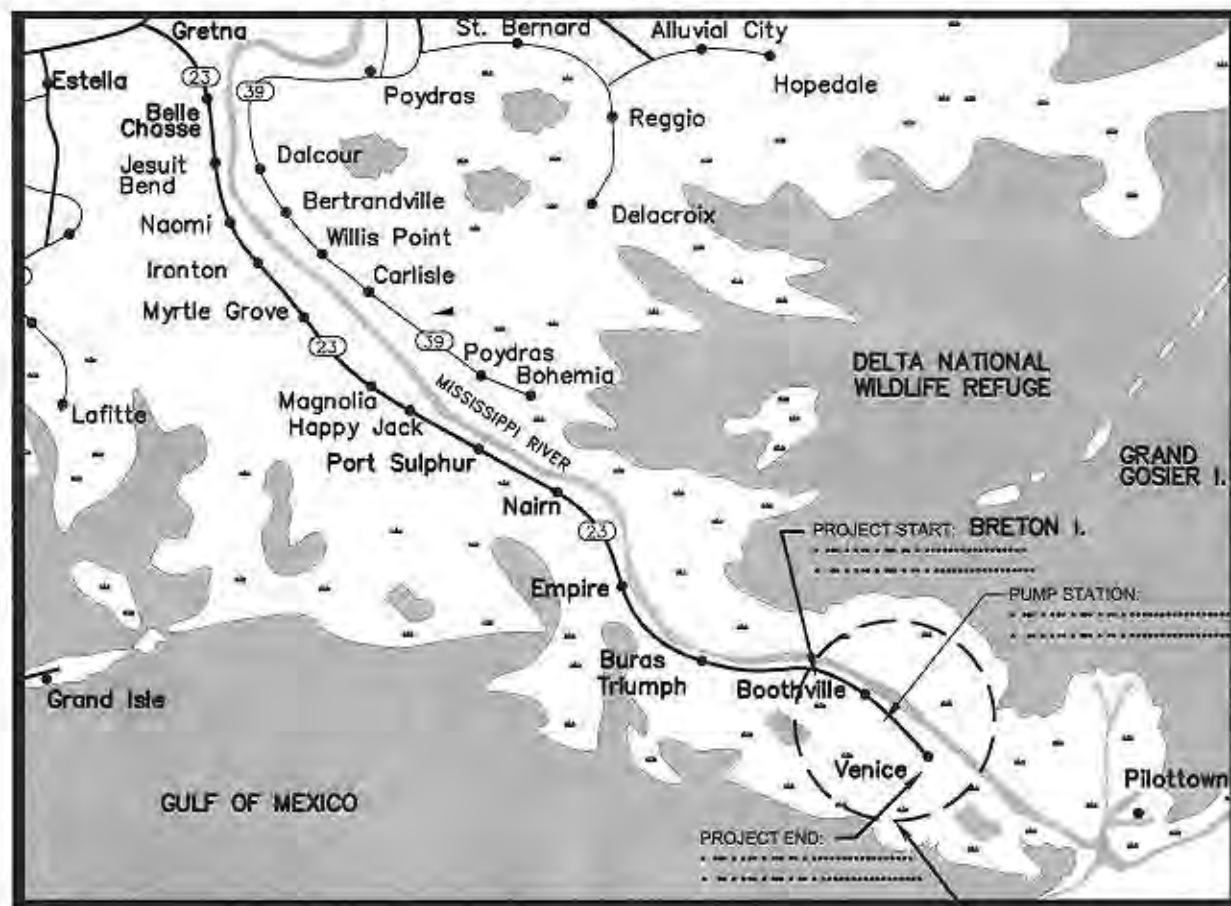


# PLAQUEMINES PARISH VEGETATED RIDGE (REACH B-2) PROJECT



## VICINITY MAP

PROJECT LOCATION

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SHT. 10	PARTIAL PLAN 3 OF 6 (W/O AERIAL BACKGROUND)
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PARISH OF PLAQUEMINES      BELLE CHASSE LA  
APPLICATION BY: PARISH OF PLAQUEMINES

SHEET: 1 OF 49

VICINITY MAP/DRAWING INDEX

BURK-KLEINPETER, INC.  
ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
4176 CANAL STREET, NEW ORLEANS, LOUISIANA 70119-5994  
(504) 486-5901 FAX (504) 486-1714

BKI PROJ. NO. 10452

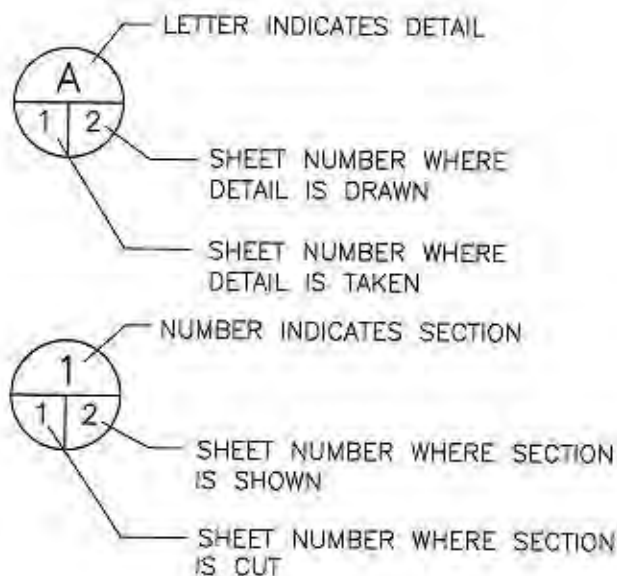
NOVEMBER 2010

# PLAQUEMINES PARISH VEGETATED RIDGE (REACH B-2) PROJECT LEGEND AND CROSS REFERENCE

## LEGEND:

-  MRT (MISSISSIPPI RIVER & TRIBUTARIES) LEVEE B/L
-  REACH B-2 BACK LEVEE B/L
-  REACH B-2 BACK LEVEE R/W
-  LIMITS OF VEGETATED RIDGE
-  DREDGING LIMITS
-  LIMITS OF EXIST. MARSH
-  PONDING DIKE
-  RIVER FLOW DIRECTION
-  RIVER MILE
-  BATHYMETRIC RIVER  
X-SECTION STATIONING
-  MARSH CREATION AREA

## CROSS REFERENCES



PARISH OF PLAQUEMINES BELLE CHASSE LA  
APPLICATION BY: PARISH OF PLAQUEMINES

SHEET: 2 OF 49

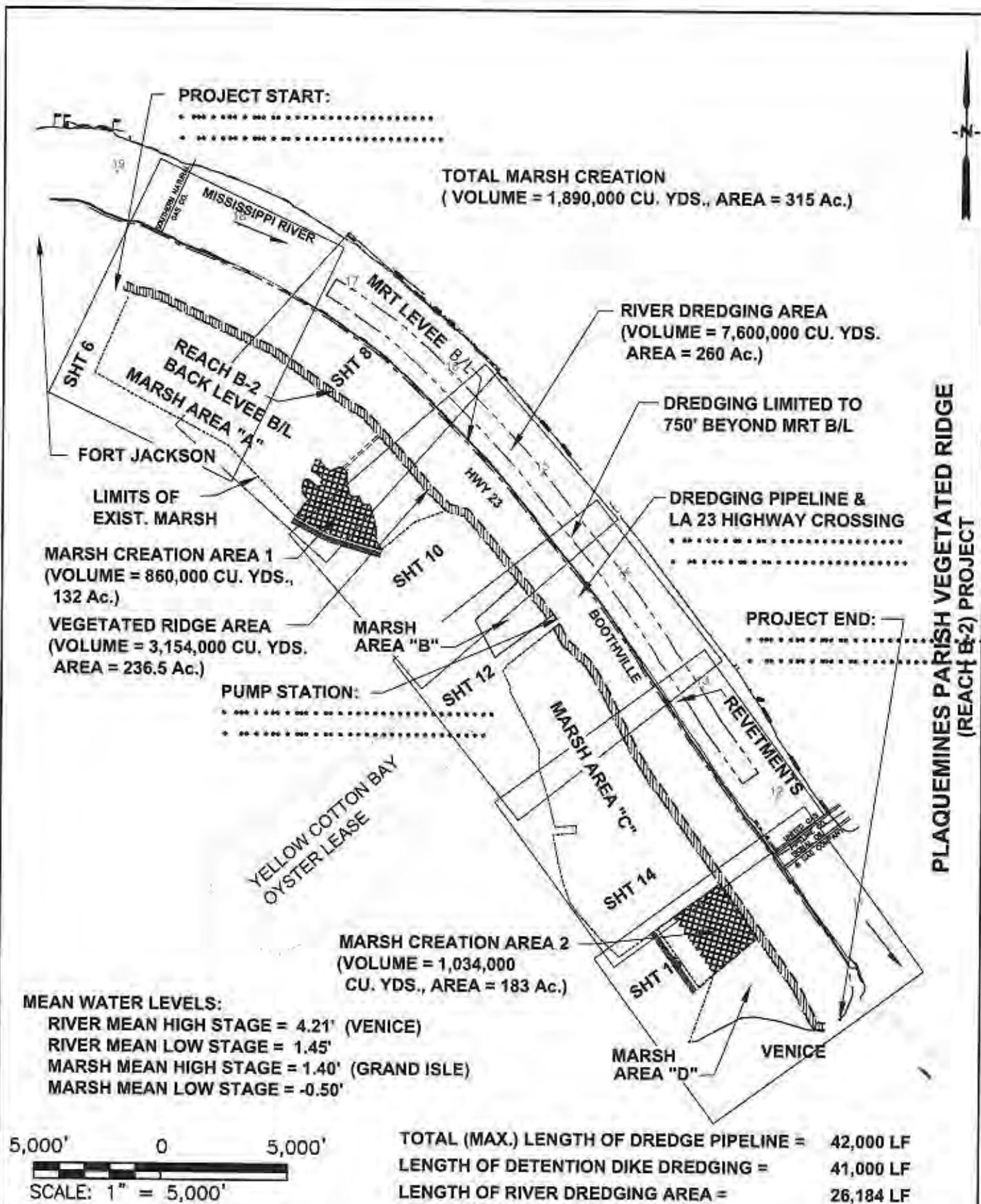
LEGEND AND CROSS REFERENCE

BURK-KLEINPETER, INC.  
ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
4176 CANAL STREET, NEW ORLEANS, LOUISIANA 70113-5994  
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BKI PROJ. NO. 10452

NOVEMBER 2010





PARISH OF PLAQUEMINES BELLE CHASSE LA  
APPLICATION BY: PARISH OF PLAQUEMINES

SHEET: 4 OF 48

PROJECT SITE PLAN

BURK-KLEINPETER, INC.  
ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
4176 CANAL STREET, NEW ORLEANS, LOUISIANA 70119-5994  
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BKI PROJECT NO. 10452

NOVEMBER 2010





PARISH OF PLAQUEMINES BELLE CHASSE LA  
APPLICATION BY: PARISH OF PLAQUEMINES

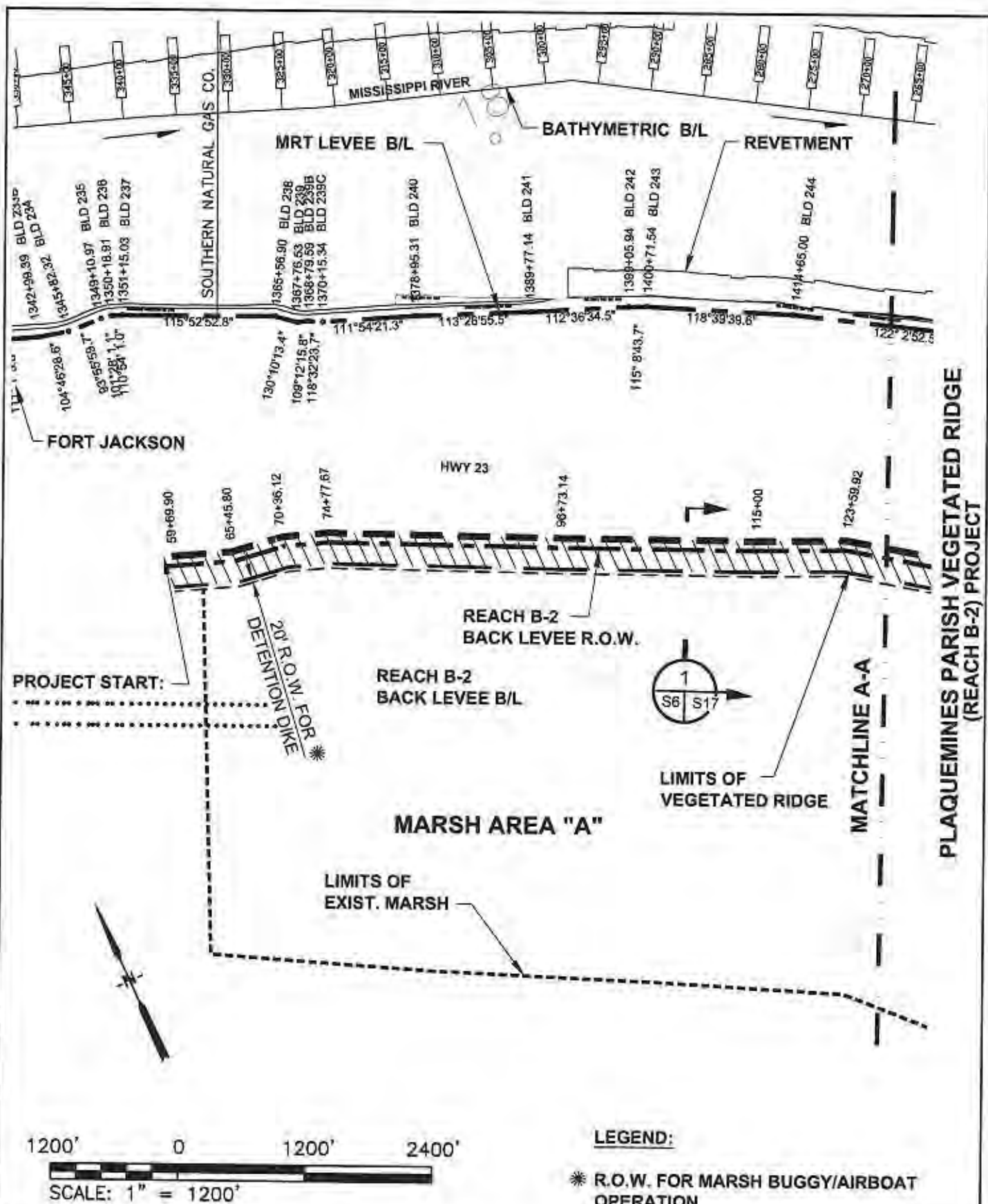
SHEET: 5 OF 49

PARTIAL PLAN 1 OF 6

BURK-KLEINPETER, INC.  
ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
4176 CANAL STREET, NEW ORLEANS, LOUISIANA 70119-5994  
(504) 486-3901 FAX (504) 488-1714

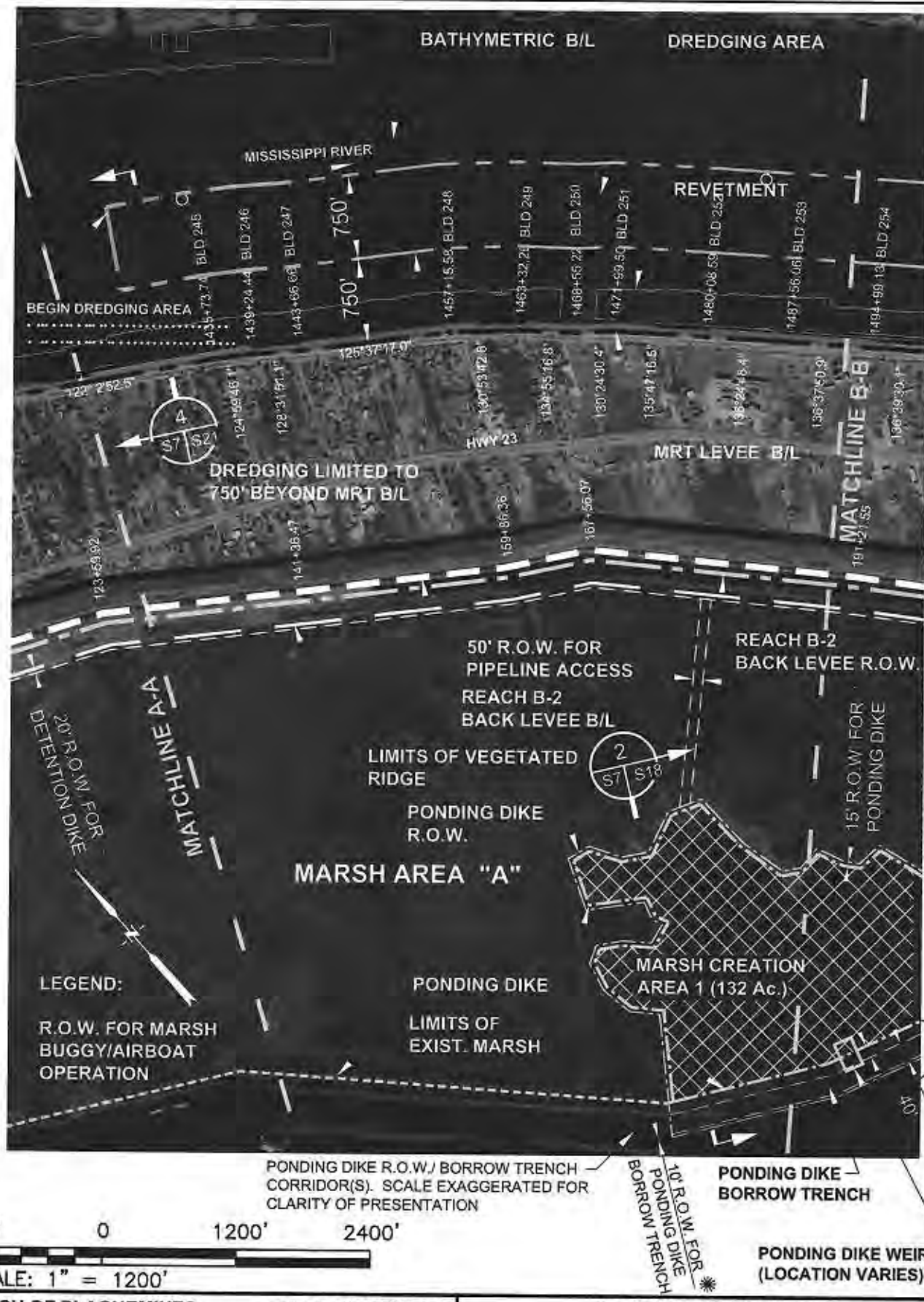
BKI PROJECT NO. 10452

NOVEMBER 2010



PARISH OF PLAQUEMINES BELLE CHASSE LA  
APPLICATION BY: PARISH OF PLAQUEMINES  
SHEET: 8 OF 48 PARTIAL PLAN 1 OF 6

BURK-KLEINPETER, INC.  
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4176 CANAL STREET, NEW ORLEANS, LOUISIANA 70119-5994  
(504) 486-5901 FAX (504) 486-1714  
BKI PROJECT NO. 10452 NOVEMBER 2010



**PLAQUEMINES PARISH VEGETATED RIDGE  
(REACH B-2) PROJECT**

PARISH OF PLAQUEMINES

BELLE CHASSE LA

APPLICATION BY: PARISH OF PLAQUEMINES

SHEET: 7 OF 49

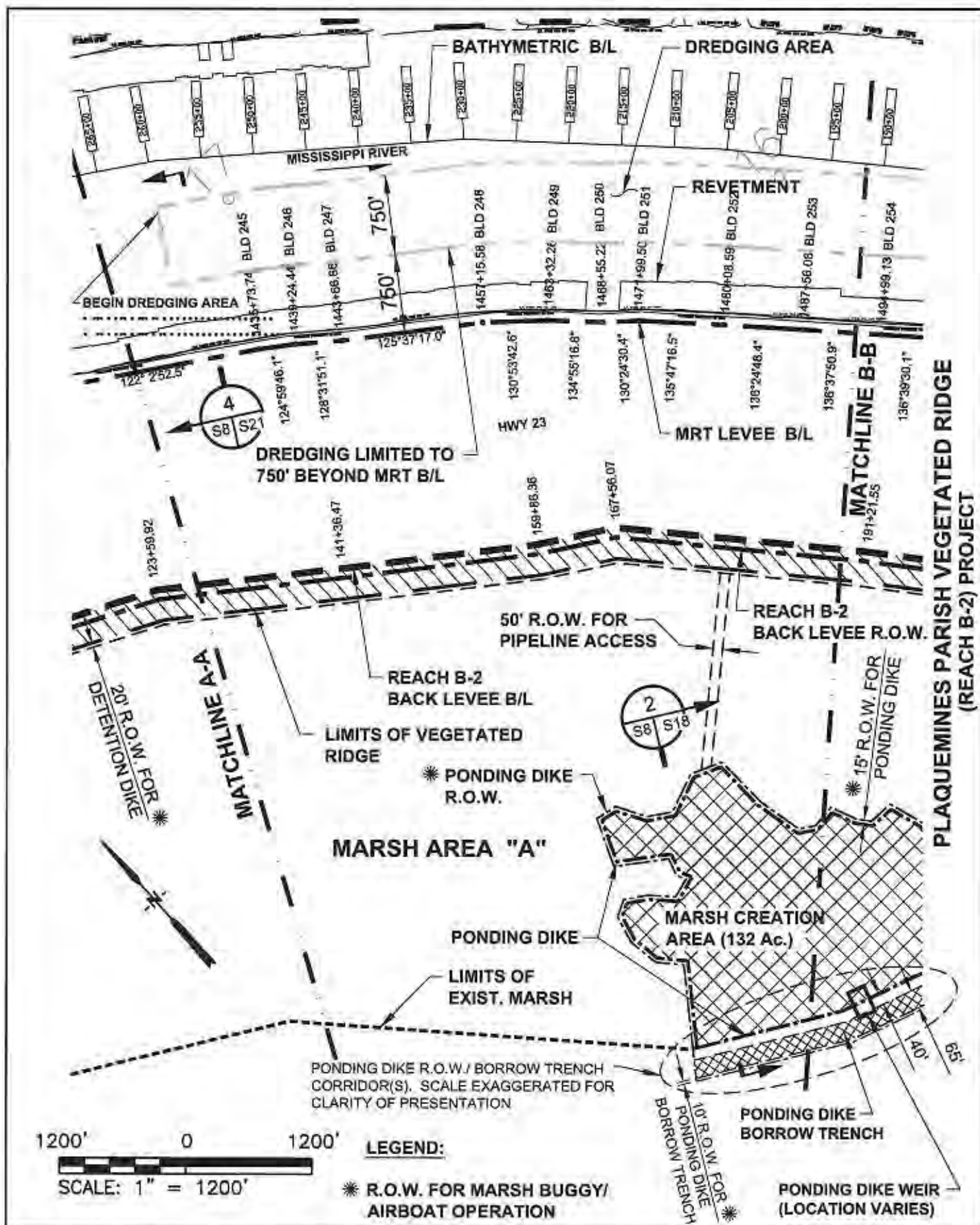
PARTIAL PLAN 2 OF 6

BURK-KLEINPETER, INC.

ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
4176 CANAL STREET, NEW ORLEANS, LOUISIANA 70119-5994  
(504) 486-5901 FAX (504) 486-1714

BKI PROJECT NO. 10452

NOVEMBER 2010



**PLAQUEMINES PARISH VEGETATED RIDGE  
(REACH B-2) PROJECT**

PARISH OF PLAQUEMINES BELLE CHASSE LA  
APPLICATION BY: PARISH OF PLAQUEMINES

SHEET: 8 OF 49

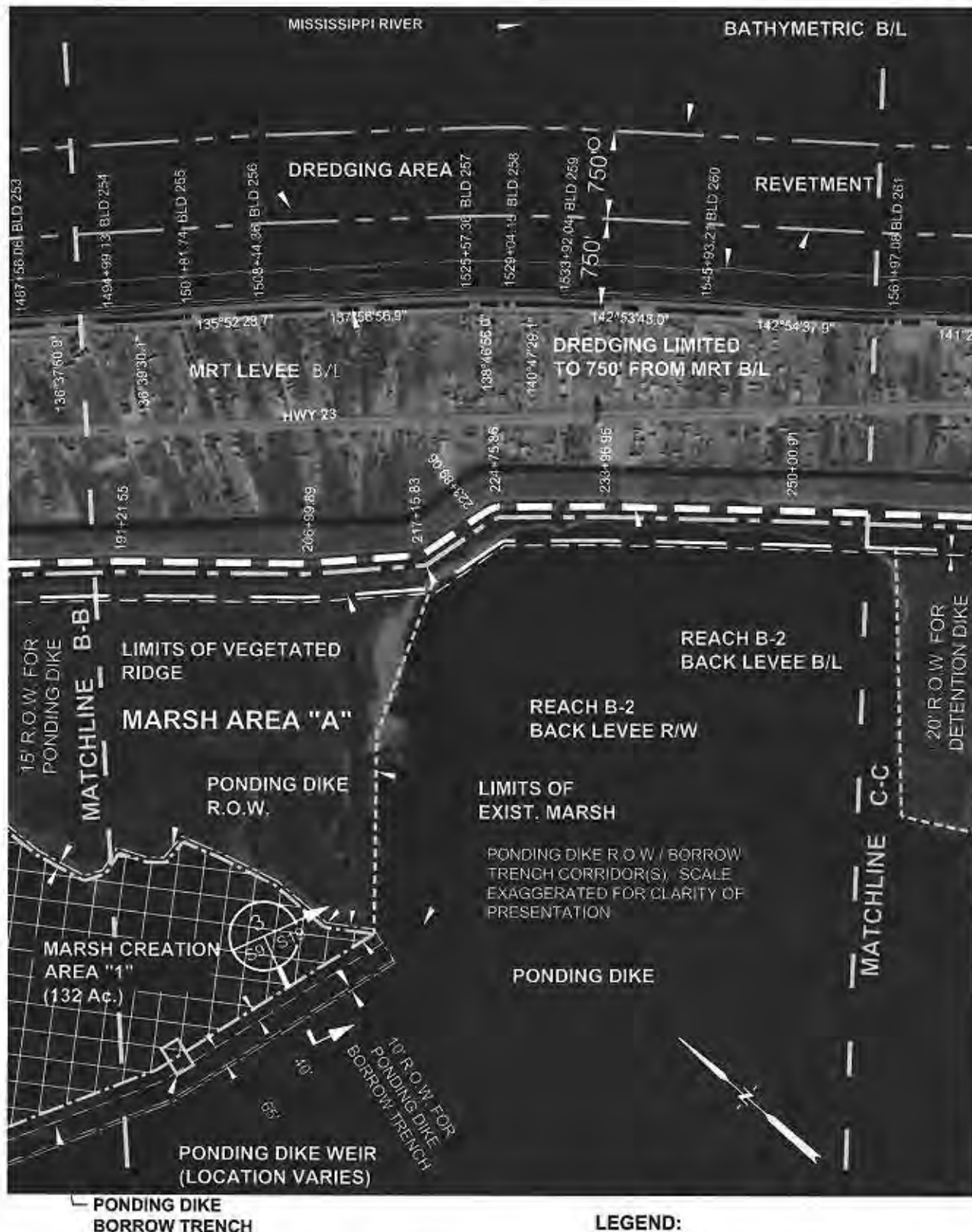
PARTIAL PLAN 2 OF 6

**BURK-KLEINPETER, INC.**  
ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
4176 CANAL STREET, NEW ORLEANS, LOUISIANA 70119-5994  
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BKI PROJECT NO. 10452

NOVEMBER 2010





**PLAQUEMINES PARISH VEGETATED RIDGE  
(REACH B-2) PROJECT**

**LEGEND:**

\* R.O.W. FOR MARSH BUGGY/AIRBOAT  
OPERATION

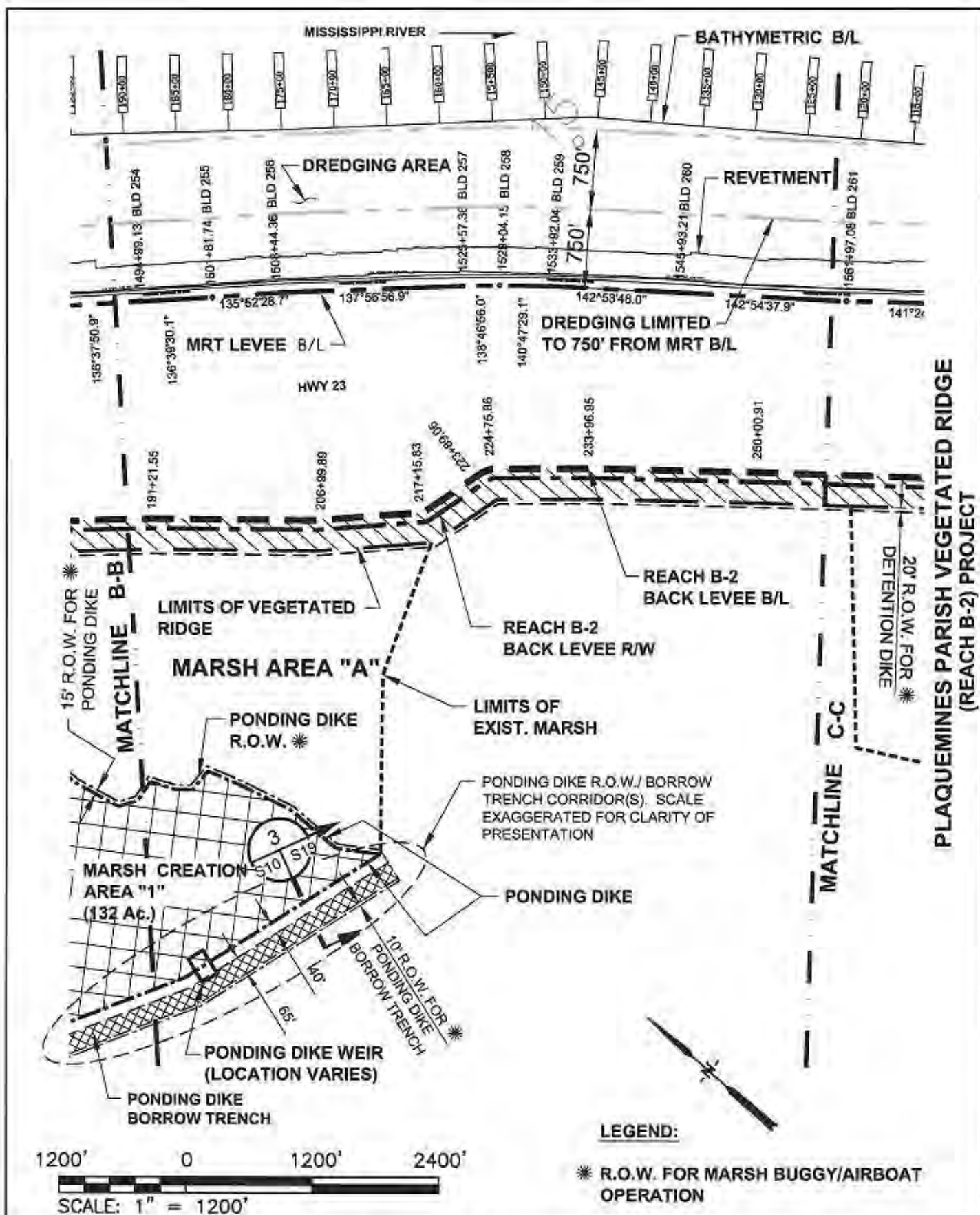
PARISH OF PLAQUEMINES BELLE CHASSE LA  
APPLICATION BY: PARISH OF PLAQUEMINES

SHEET: 9 OF 49

PARTIAL PLAN 3 OF 6

BURK-KLEINPETER, INC.  
ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
4176 CANAL STREET, NEW ORLEANS, LOUISIANA 70119-5994  
(504) 486-5901 FAX (504) 486-1714  
BKI PROJECT NO. 10452

NOVEMBER 2010



PARISH OF PLAQUEMINES BELLE CHASSE LA  
APPLICATION BY: PARISH OF PLAQUEMINES

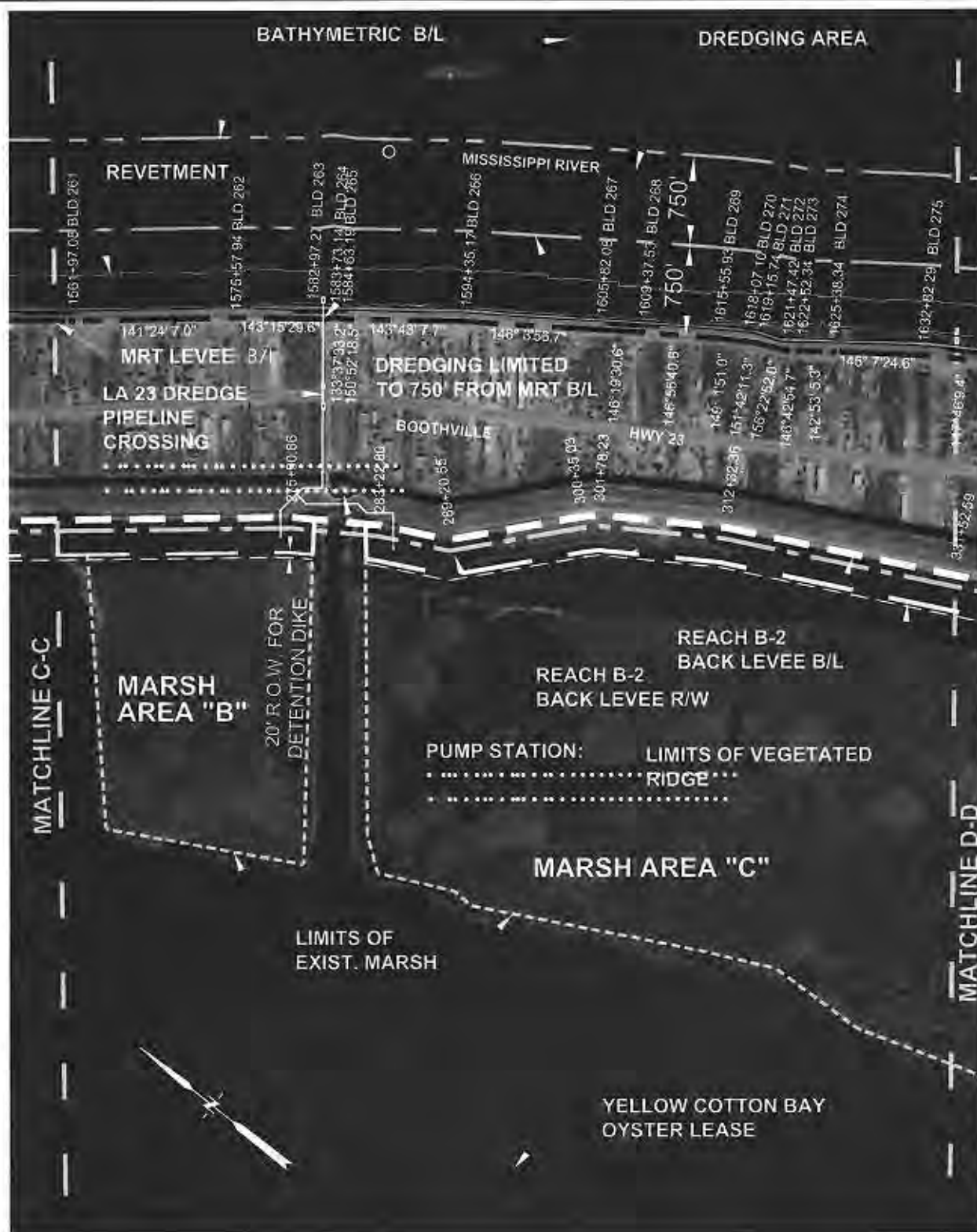
SHEET: 10 OF 49

PARTIAL PLAN 3 OF 6

BURK-KLEINPETER, INC.  
ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
4176 CANAL STREET, NEW ORLEANS, LOUISIANA 70119-5994  
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NOVEMBER 2010



**PLAQUEMINES PARISH VEGETATED RIDGE  
(REACH B-2) PROJECT**

1200' 0 1200'  
SCALE: 1" = 1200'

**LEGEND:**

\* R.O.W. FOR MARSH BUGGY/  
AIRBOAT OPERATION

①

DREDGE PIPELINE  
RIVER LEVEE CROSSING  
N 29° 18' 58.59"  
W 89° 23' 05.74"

PARISH OF PLAQUEMINES BELLE CHASSE LA  
APPLICATION BY: PARISH OF PLAQUEMINES

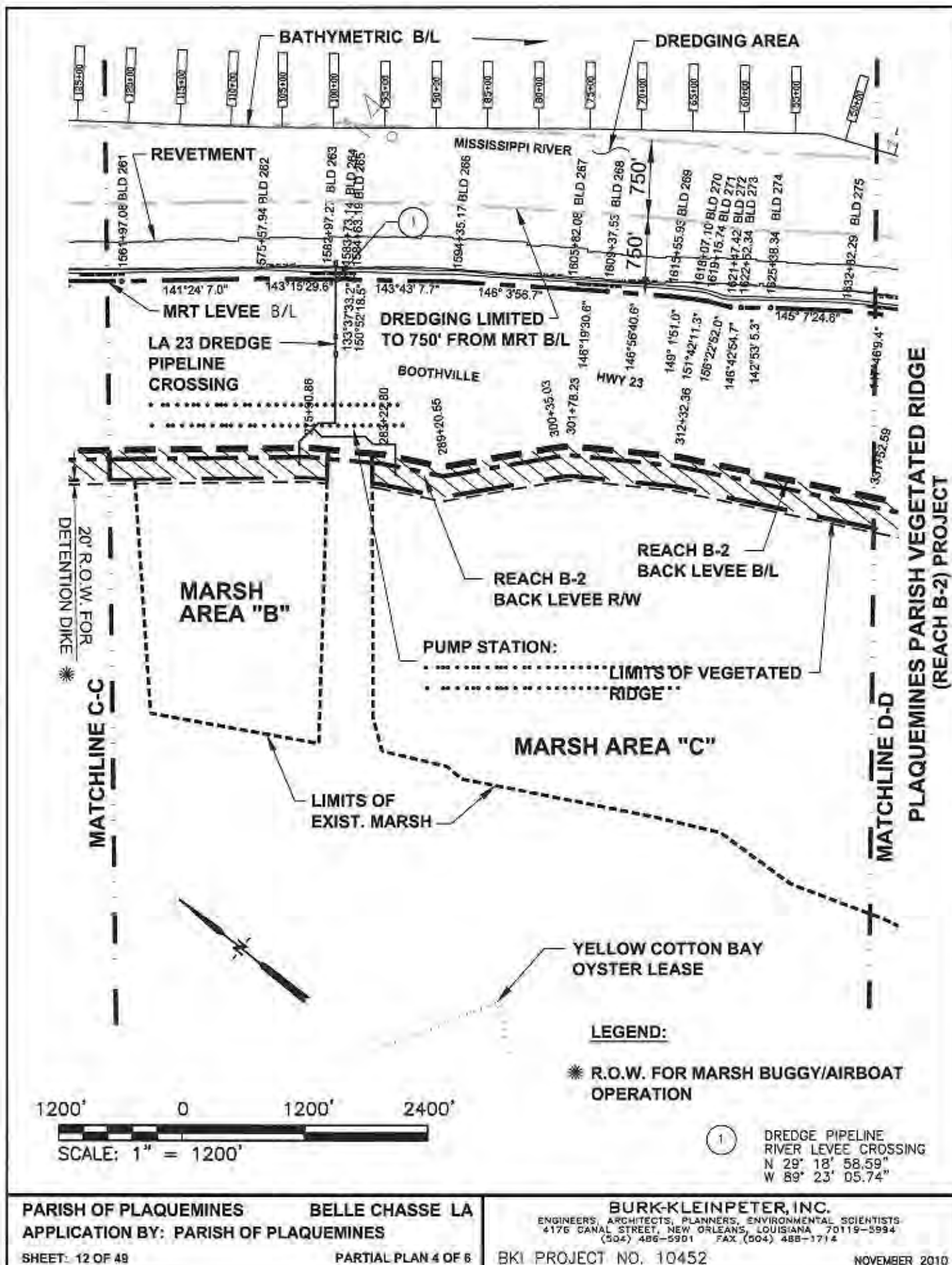
SHEET: 11 OF 49

PARTIAL PLAN 4 OF 6

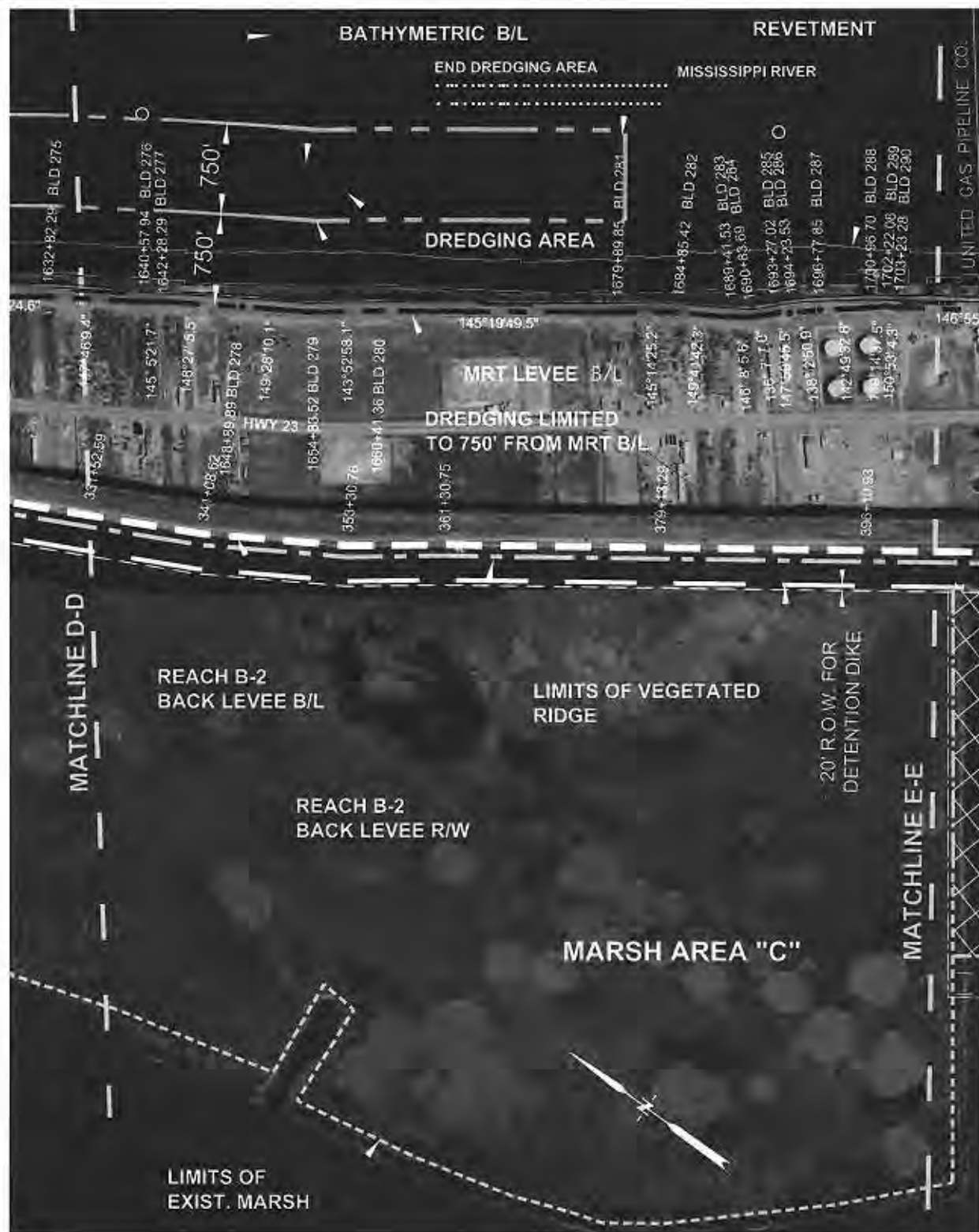
BURK-KLEINPETER, INC.  
ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
4176 CANAL STREET, NEW ORLEANS, LOUISIANA 70119-5994  
(504) 486-5901 FAX (504) 488-1714

BKI PROJECT NO. 10452

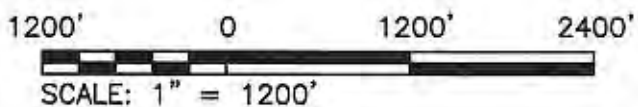
NOVEMBER 2010







**PLAQUEMINES PARISH VEGETATED RIDGE  
(REACH B-2) PROJECT**



**LEGEND:**

- \* R.O.W. FOR MARSH BUGGY/AIRBOAT OPERATION

PARISH OF PLAQUEMINES BELLE CHASSE LA  
APPLICATION BY: PARISH OF PLAQUEMINES

SHEET: 13 OF 49

PARTIAL PLAN 5 OF 6

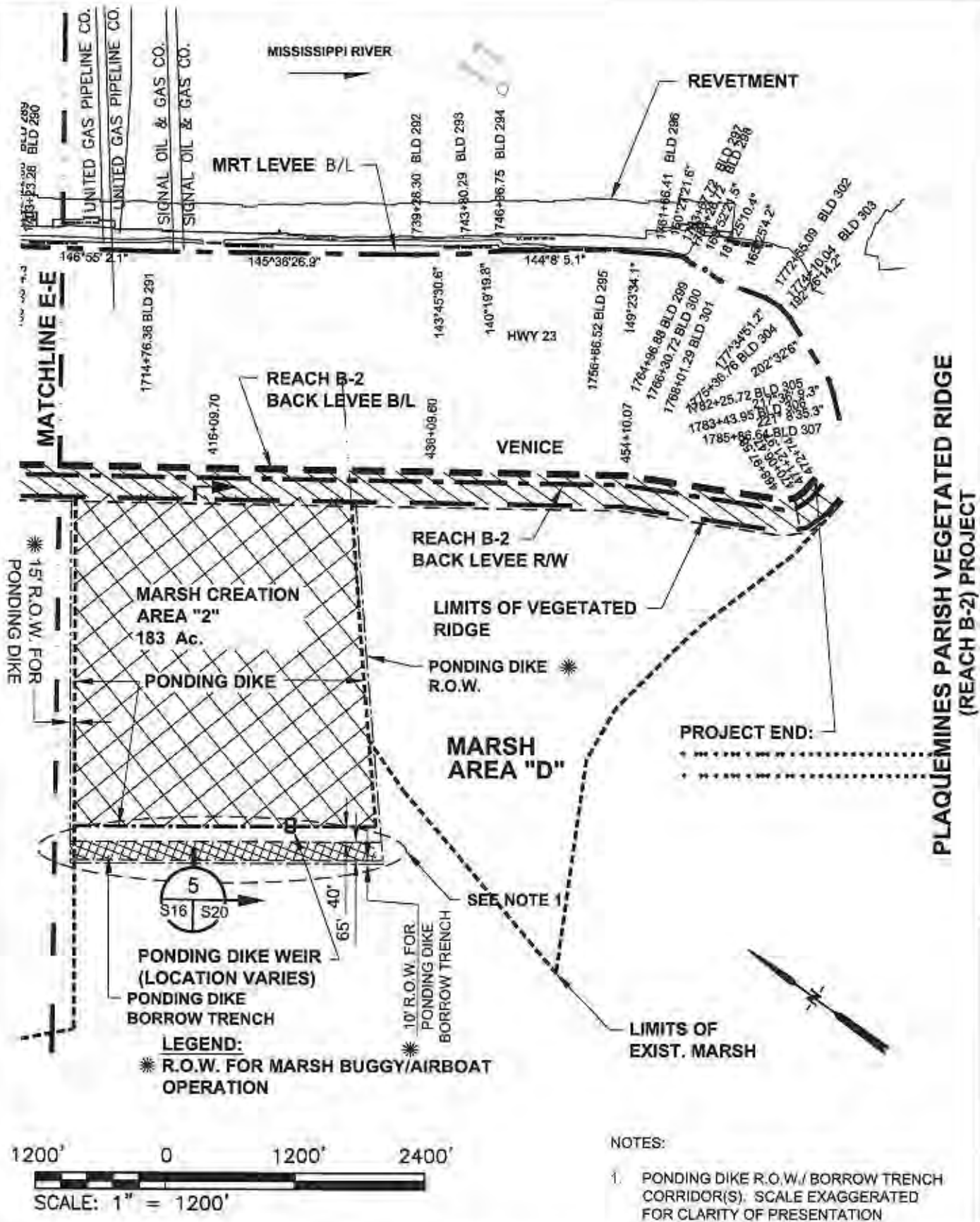
BURK-KLEINPETER, INC.  
ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
4176 CANAL STREET, NEW ORLEANS, LOUISIANA 70119-5994  
(504) 486-5901 FAX (504) 486-1714

BKI PROJECT NO. 10452

NOVEMBER 2010







**PLAQUEMINES PARISH VEGETATED RIDGE  
(REACH B-2) PROJECT**

PARISH OF PLAQUEMINES BELLE CHASSE LA  
APPLICATION BY: PARISH OF PLAQUEMINES

SHEET: 16 OF 49

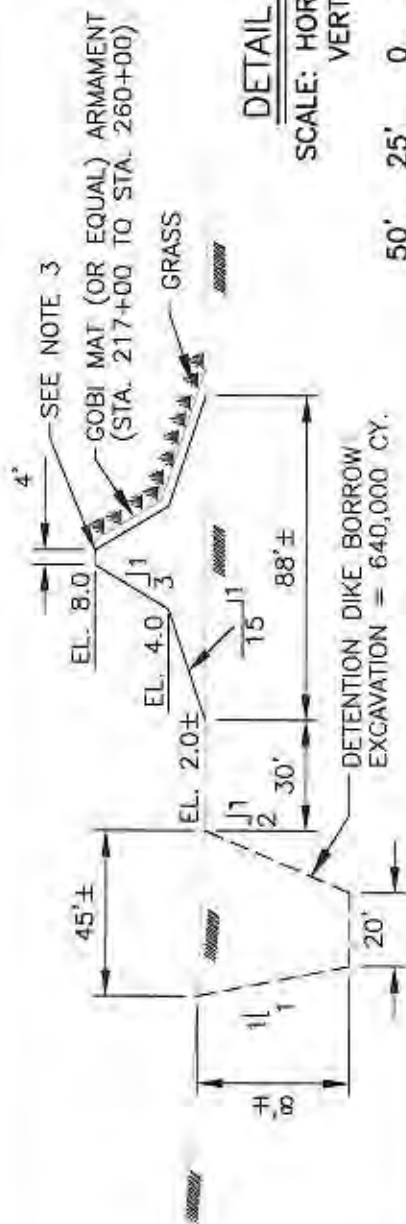
PARTIAL PLAN 5 OF 6

**BURK-KLEINPETER, INC.**  
ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
417E CANAL STREET, NEW ORLEANS, LOUISIANA 70119-5994  
(504) 488-5901 FAX (504) 488-1714

BKI PROJECT NO. 10452

NOVEMBER 2010





DETAIL "1"

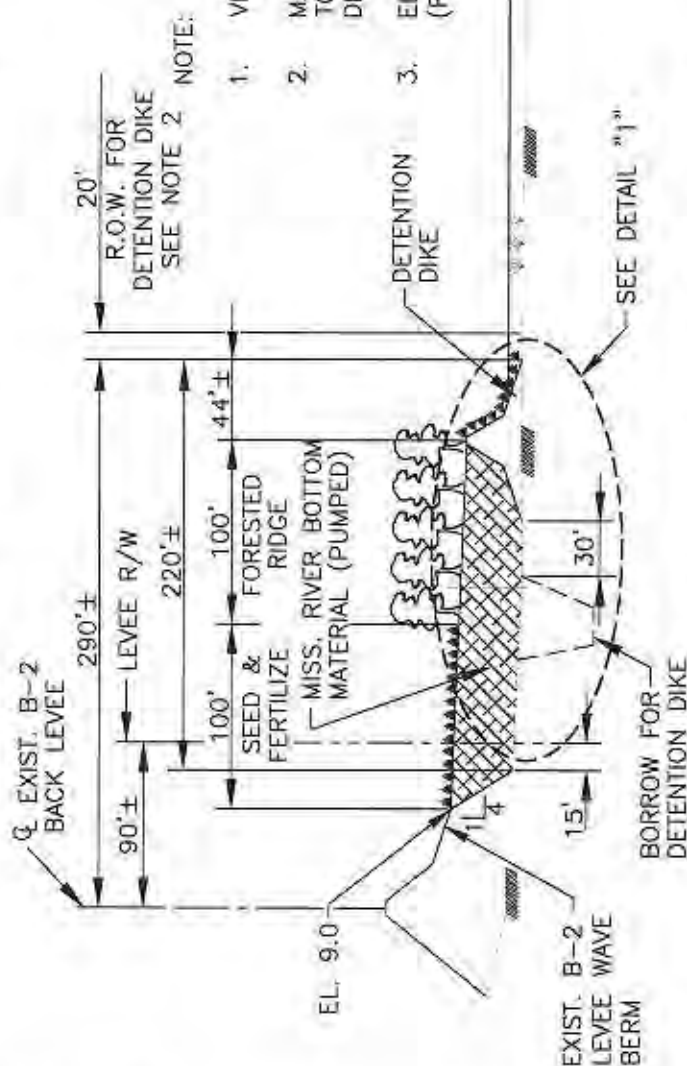
SCALE: HOR. 1"=50'  
VERT. 1"=10'

50' 25' 0 50'

SCALE: HOR. 1"=50'

10' 5' 0 10'

SCALE: VERT. 1"=10'



PROPOSED TYPICAL VEGETATED  
RIDGE SECTION

SCALE: HOR. 1"=100'  
VERT. 1"=20'

1 1  
S5 \$17 S6 \$17

PLAQUEMINES PARISH VEGETATED RIDGE  
(REACH B-2) PROJECT - PROPOSED CROSS-SECTION

PARISH OF PLAQUEMINES BELLE CHASSE, LA

APPLICATION BY: PARISH OF PLAQUEMINES

SHEET: 17 OF 49 TYPICAL VEGETATED RIDGE SECTION

BURK-KLEINPETER, INC.

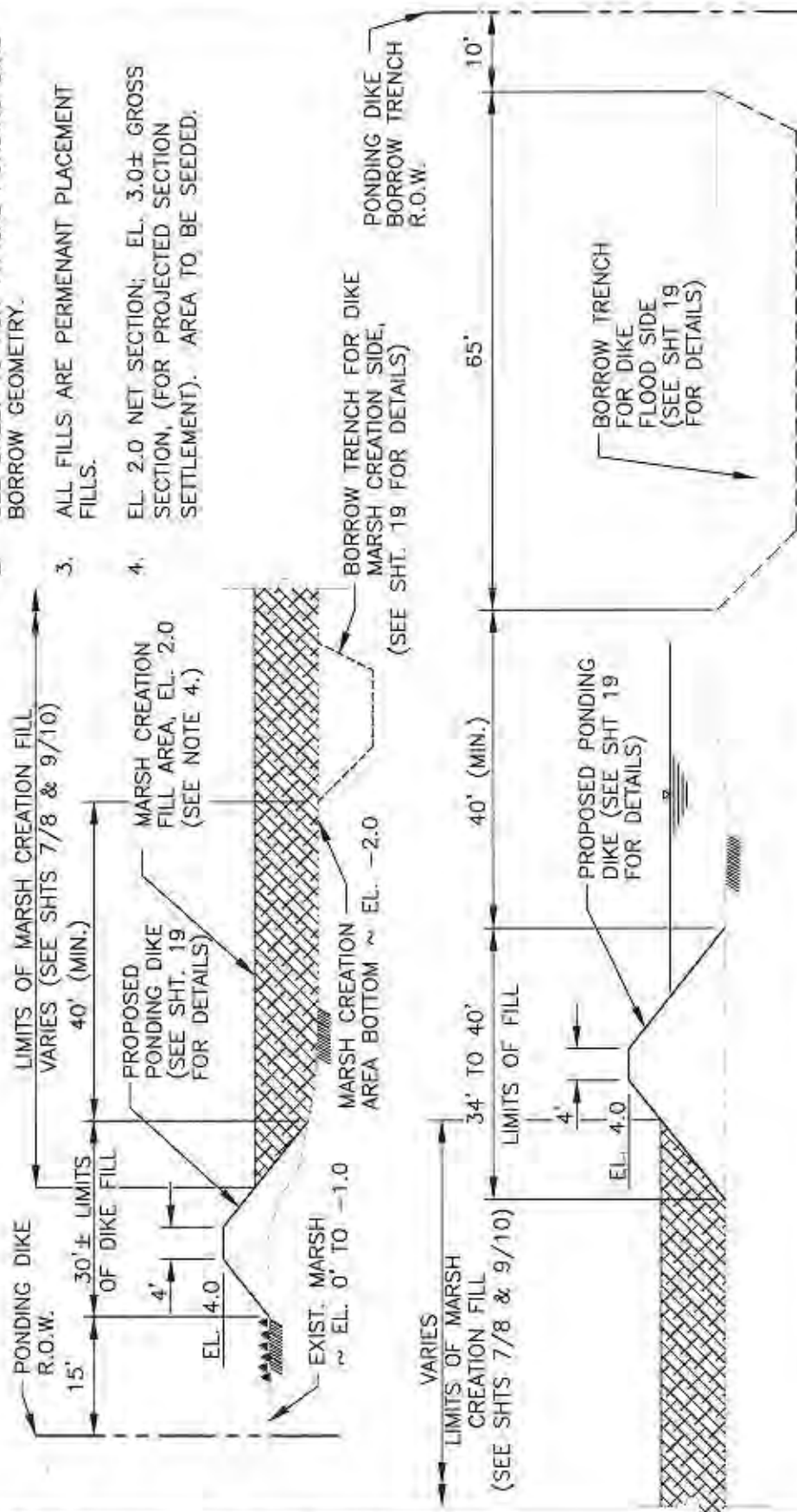
ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
4176 CANAL STREET, NEW ORLEANS, LOUISIANA 70119-5994  
(504) 486-5901 FAX (504) 486-1714

BKI PROJECT NO. 10452

NOVEMBER 2010

NOTE:

1. VERTICAL SCALE EXAGGERATED FOR CLARITY.
2. SEE SHEET 19 FOR TYPICAL PONDING DIKE BORROW GEOMETRY.
3. ALL FILLS ARE PERMANENT PLACEMENT FILLS.
4. EL. 2.0 NET SECTION; EL. 3.0± GROSS SECTION, (FOR PROJECTED SECTION SETTLEMENT). AREA TO BE SEED.



MARSH CREATION AREA 1 - PROPOSED TYPICAL MARSH CREATION SECTION

SCALE: HOR. 1"=20'  
VERT. 1"=10'



PLAQUEMINES PARISH VEGETATED RIDGE  
(REACH B-2) PROJECT - PROPOSED MARSH CREATION SECTION

PARISH OF PLAQUEMINES BELLE CHASSE, LA  
APPLICATION BY: PARISH OF PLAQUEMINES

SHEET: 18 OF 49 TYPICAL MARSH CREATION SECTION

BURK-KLEINPETER, INC.  
ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
4176 CANAL STREET, NEW ORLEANS, LOUISIANA 70119-5994  
(504) 486-5901 FAX (504) 486-1714

BKI PROJECT NO. 10452

NOVEMBER 2010

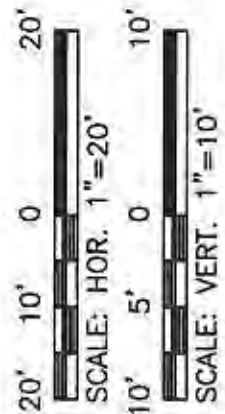


VERTICAL SCALE EXAGGERATED FOR CLARITY  
PONDING DIKE SECTION IS TYPICAL FOR ALL  
PONDING DIKES IN AREAS 1 & 2

EXISTING MARSH ELEVATION 0' TO -1'

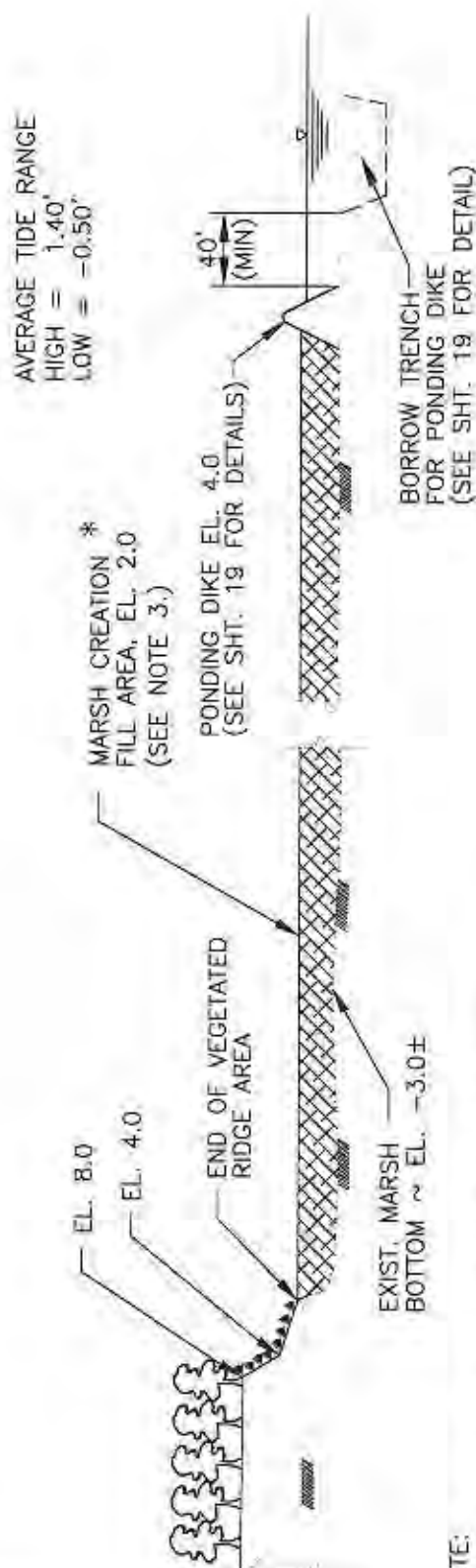
PROPOSED TYPICAL  
PONDING DIKE SECTION

SCALE: HOR. 1"=20'  
VERT. 1"=10'



**PLAQUEMINES PARISH VEGETATED RIDGE  
(REACH B-2) PROJECT - PROPOSED PONDING DIKE SECTION**

\* AREA TO BE PLANTED

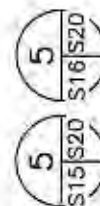
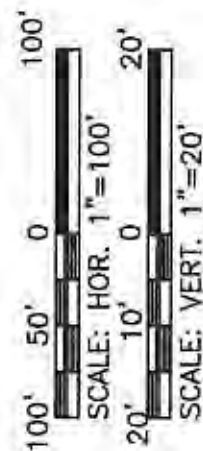


NOTE:

1. VERTICAL SCALE EXAGGERATED FOR CLARITY.
2. SEE SHEET 19 FOR TYPICAL PONDING DIKE BORROW TRENCH GEOMETRY.
3. EL. 2.0 NET SECTION; EL. 3.0± GROSS SECTION, (FOR PROJECTED SECTION SETTLEMENT)

**MARSH CREATION AREA 2  
PROPOSED TYPICAL  
MARSH CREATION SECTION**

SCALE: HOR. 1"=100'  
VERT. 1"=20'



**PLAQUEMINES PARISH VEGETATED RIDGE  
(REACH B-2) PROJECT - PROPOSED MARSH CREATION CROSS-SECTION**

PARISH OF PLAQUEMINES BELLE CHASSE, LA  
APPLICATION BY: PARISH OF PLAQUEMINES

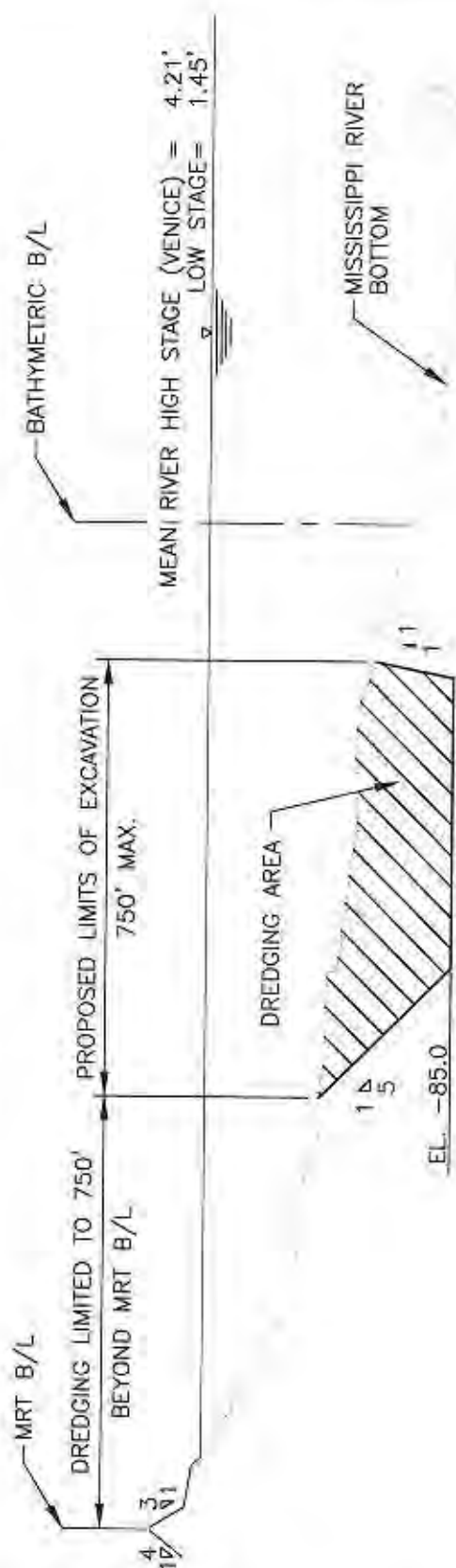
SHEET: 20 OF 49 TYPICAL MARSH CREATION SECTION

BURK-KLEINPETER, INC.  
ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
4176 CANAL STREET, NEW ORLEANS, LOUISIANA 70119-5994  
(504) 486-5901 FAX (504) 488-1714

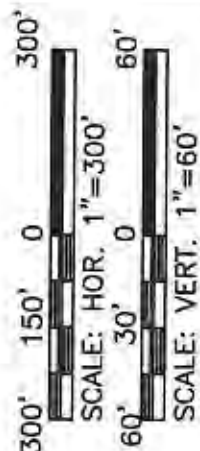
BKI PROJECT NO. 10452

NOVEMBER 2010





NOTE:  
VERTICAL SCALE EXAGGERATED FOR CLARITY



PLAQUEMINES PARISH VEGETATED RIDGE  
(REACH B-2) PROJECT - PROPOSED RIVER DREDGING CROSS-SECTION

MISSISSIPPI RIVER

MRT LEVEE B/L

DREDGE PIPELINE  
BRIDGE

DREDGE PIPELINE  
EASEMENT

PIPELINE

JACK & BORE  
EAST WORK AREA

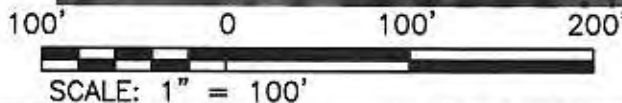
LA 28 DREDGE  
PIPELINE JACK &  
BORE CROSSING

JACK & BORE  
WEST WORK AREA

BOOTHVILLE

LA HWY 23

**PLAQUEMINES PARISH LA HIGHWAY 23 CROSSING  
(REACH B-2) PROJECT**



LEGEND:

DREDGE PIPELINE  
ABOVE GRADE  
BURIED

1

DREDGE PIPELINE  
RIVER LEVEE CROSSING  
N 29° 18' 58.59"  
W 89° 23' 05.74"

PARISH OF PLAQUEMINES BELLE CHASSE LA  
APPLICATION BY: PARISH OF PLAQUEMINES

DREDGE LINE ALIGNMENT  
(MISS. RIVER TO BACK LEVEE) 1 OF 2

SHEET: 22 OF 49

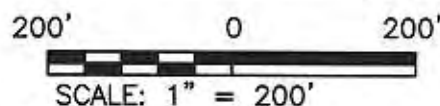
BURK-KLEINPETER, INC.  
ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
4176 CANAL STREET, NEW ORLEANS, LOUISIANA 70119-3994  
(504) 486-5901 FAX (504) 488-1714

BKI PROJECT NO. 10452

NOVEMBER 2010



**PLAQUEMINES PARISH LA HIGHWAY 23 CROSSING  
(REACH B-2) PROJECT**

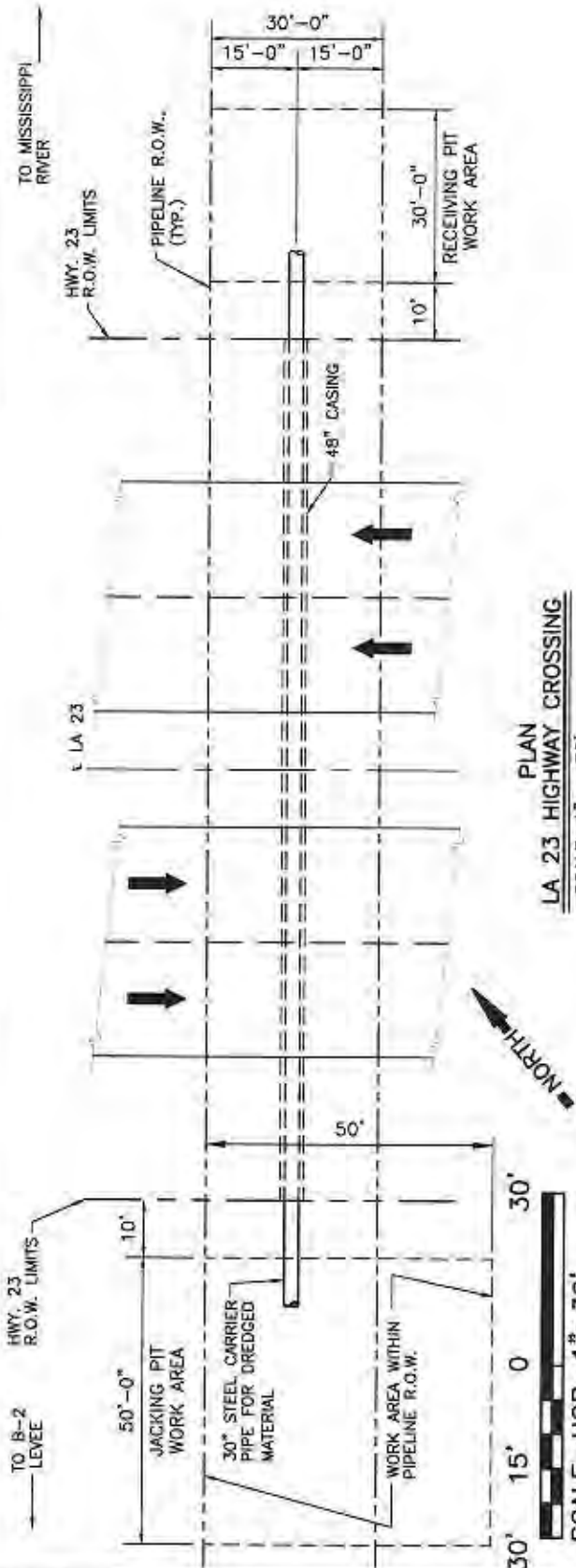


**LEGEND:**  
 DREDGE PIPELINE  
 ABOVE GRADE  
 BURIED

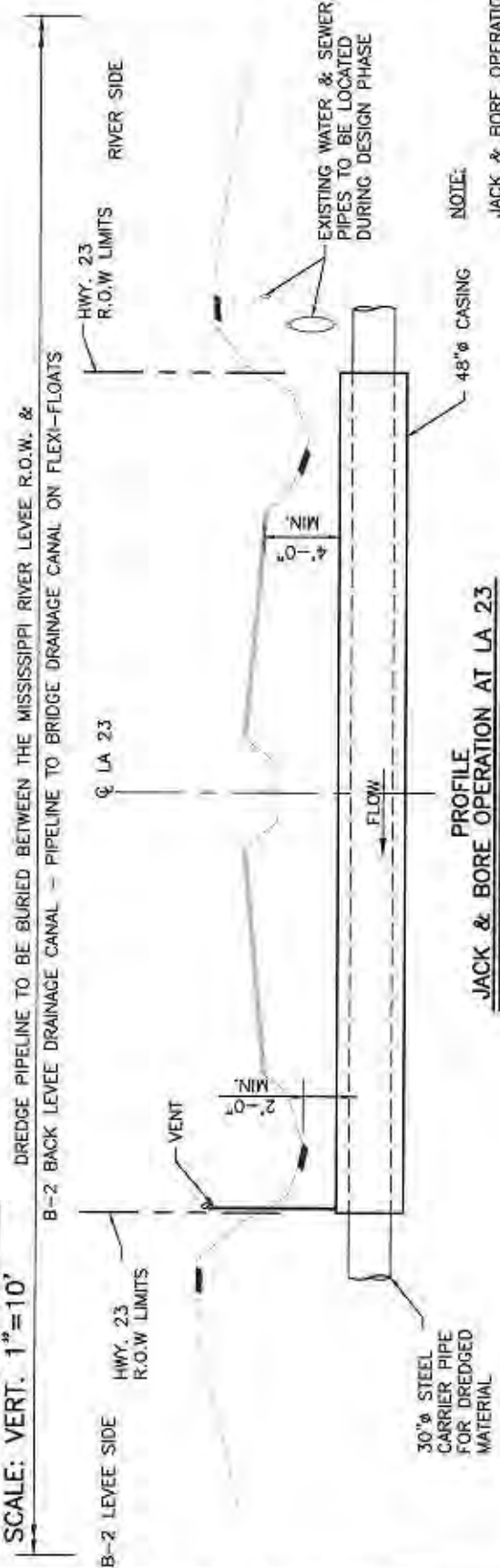
DREDGE PIPELINE  
 ON FLEXI-FLOATS  
 JACK AND BORE  
 WORK AREAS

**PARISH OF PLAQUEMINES**      **BELLE CHASSE LA**  
 APPLICATION BY: PARISH OF PLAQUEMINES  
 DREDGE LINE ALIGNMENT  
 (MISS. RIVER TO BACK LEVEE) 2 OF 2

**BURK-KLEINPETER, INC.**  
 ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
 4176 CANAL STREET, NEW ORLEANS, LOUISIANA 70119-5994  
 (504) 486-5901 FAX (504) 486-1714  
 BKI PROJECT NO. 10452      NOVEMBER 2010



**PLAN**  
**LA 23 HIGHWAY CROSSING**  
SCALE: 1" = 30'



**PROFILE**  
**JACK & BORE OPERATION AT LA 23**  
SCALE: HOR: 1" = 30'  
VERT: 1" = 10'

LA 23 DREDGING PIPELINE  
CROSSING LOCATION

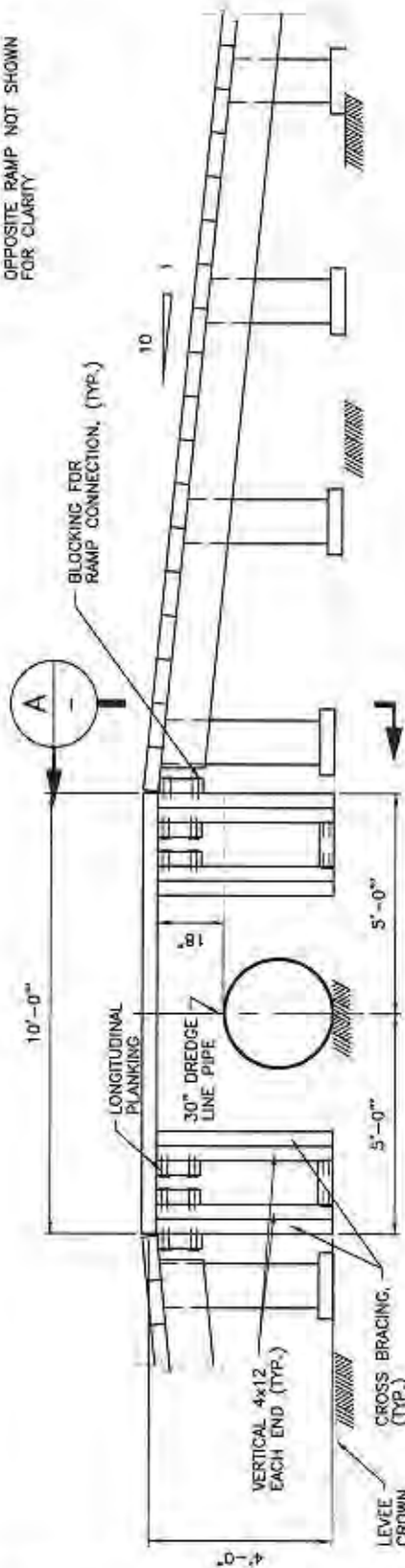
**PLAQUEMINES PARISH VEGETATED RIDGE**  
**(REACH B-2) PROJECT - PROPOSED LA 23 HIGHWAY CROSSING**

NOTE:

JACK & BORE OPERATION  
TO BE CONSTRAINED TO  
PIPELINE R.O.W. OUTSIDE  
OF HWY 23 R.O.W. LIMITS.  
SEE SHT. 22 & 22A



OPPOSITE RAMP NOT SHOWN  
FOR CLARITY

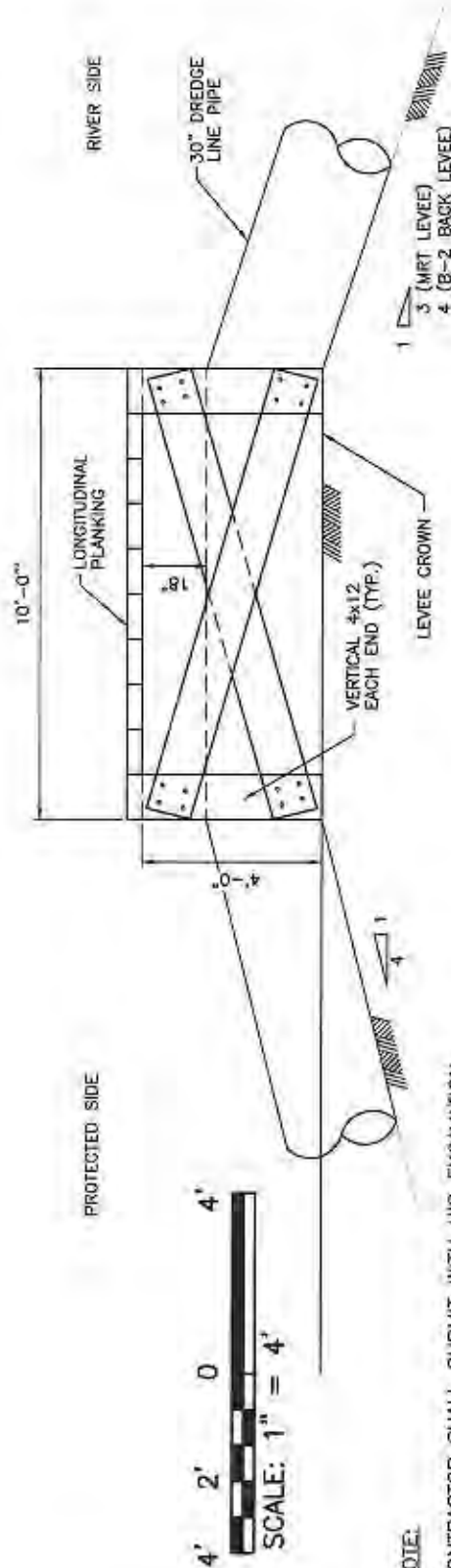


TEMPORARY BRIDGE CROSSING  
AT DREDGE PIPELINE

SCALE: 1" = 4'

NOTE:

ALL MEMBERS CONSIST OF WOODEN 4x12 PLANKING



NOTE:

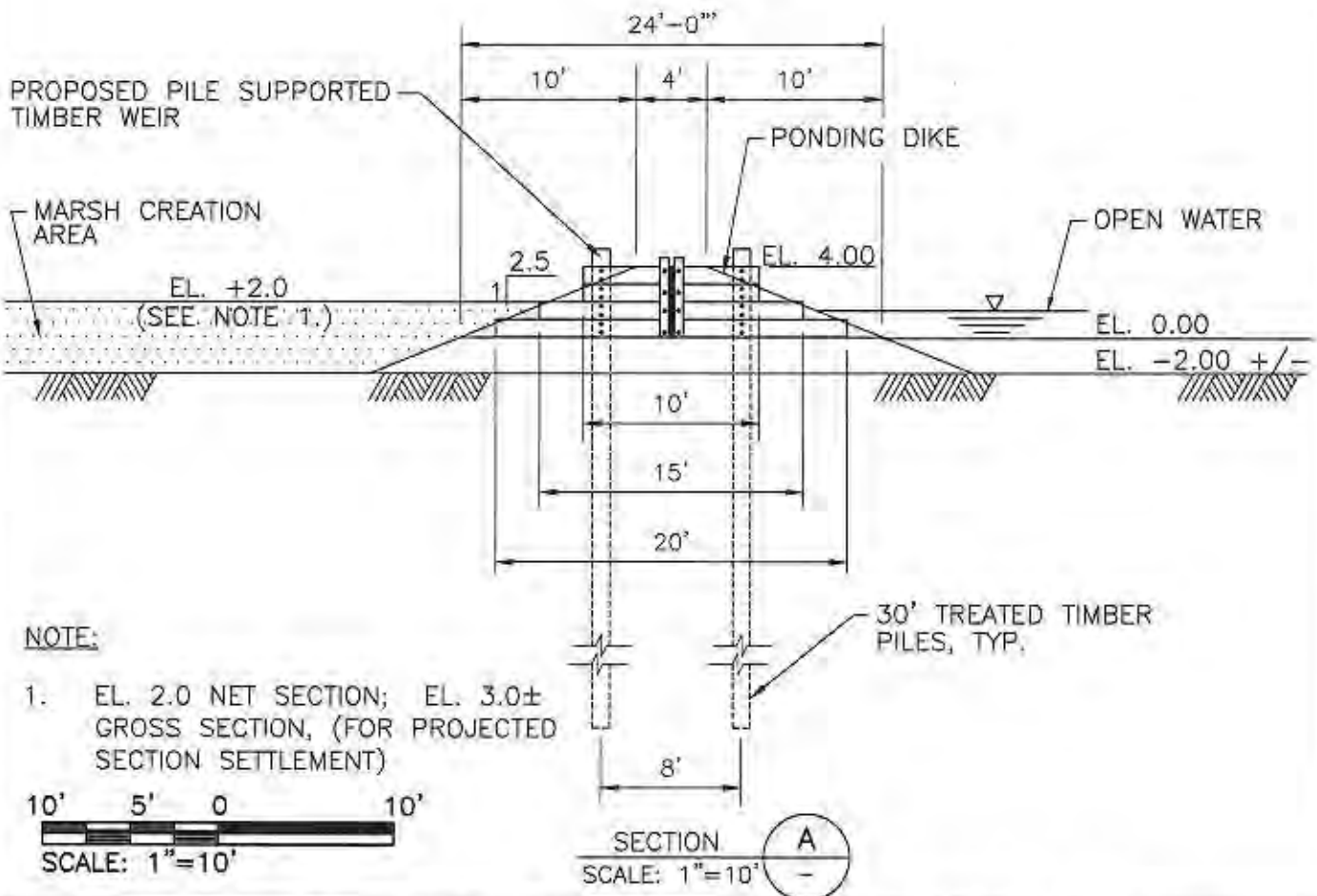
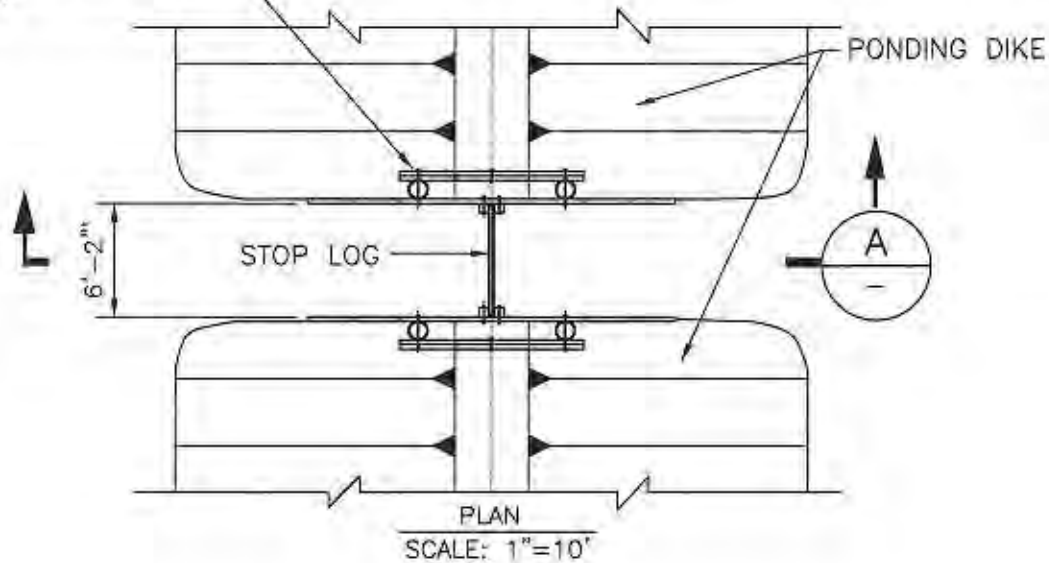
CONTRACTOR SHALL SUBMIT WITH HIS EXCAVATION  
PLAN HIS DESIGN FOR QUANTITY AND SIZES OF ALL  
SUPPORT ELEMENTS REQUIRED TO BRIDGE PIPELINES.  
NO EXCAVATION WILL BE PERMITTED IN INSTALLING  
THE BRIDGE. ALL EQUIPMENT (LIGHT & HEAVY)  
SHALL CROSS THE PIPELINE ONLY AT BRIDGE. THE  
AREA MUST BE RESTORED TO PRECONSTRUCTION  
CONDITIONS UPON REMOVAL OF THE TEMPORARY  
BRIDGE.

SECTION  
A  
SCALE: 1" = 4'

**PLAQUEMINES PARISH VEGETATED RIDGE  
(REACH B-2) PROJECT - PROPOSED TEMPORARY BRIDGE  
FOR DREDGE PIPELINE LEVEE & ROAD CROSSINGS**

# PLAQUEMINES PARISH VEGETATED RIDGE (REACH B-2) PROJECT WEIR PLAN AND ELEVATION

PROPOSED PILE SUPPORTED  
TIMBER WEIR



PARISH OF PLAQUEMINES BELLE CHASSE LA  
APPLICATION BY: PARISH OF PLAQUEMINES

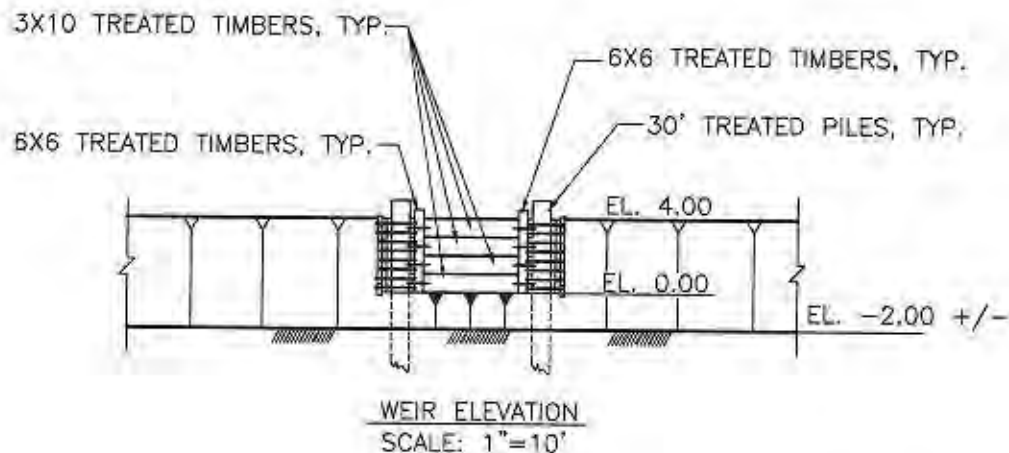
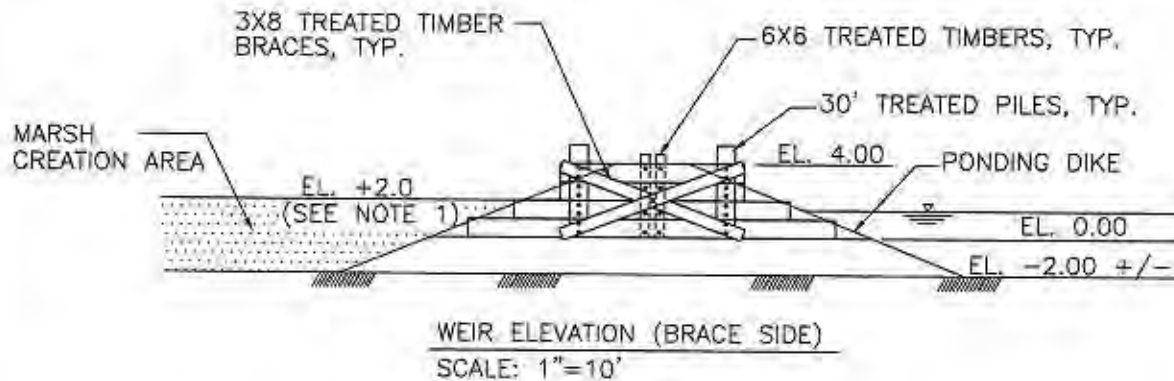
SHEET: 24 OF 49 WEIR PLAN AND ELEVATION

BURK-KLEINPETER, INC.  
ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
4178 CANAL STREET, NEW ORLEANS, LOUISIANA 70119-5994  
(504) 486-5901 FAX (504) 488-1714

BKI PROJ. NO. 10452

NOVEMBER 2010

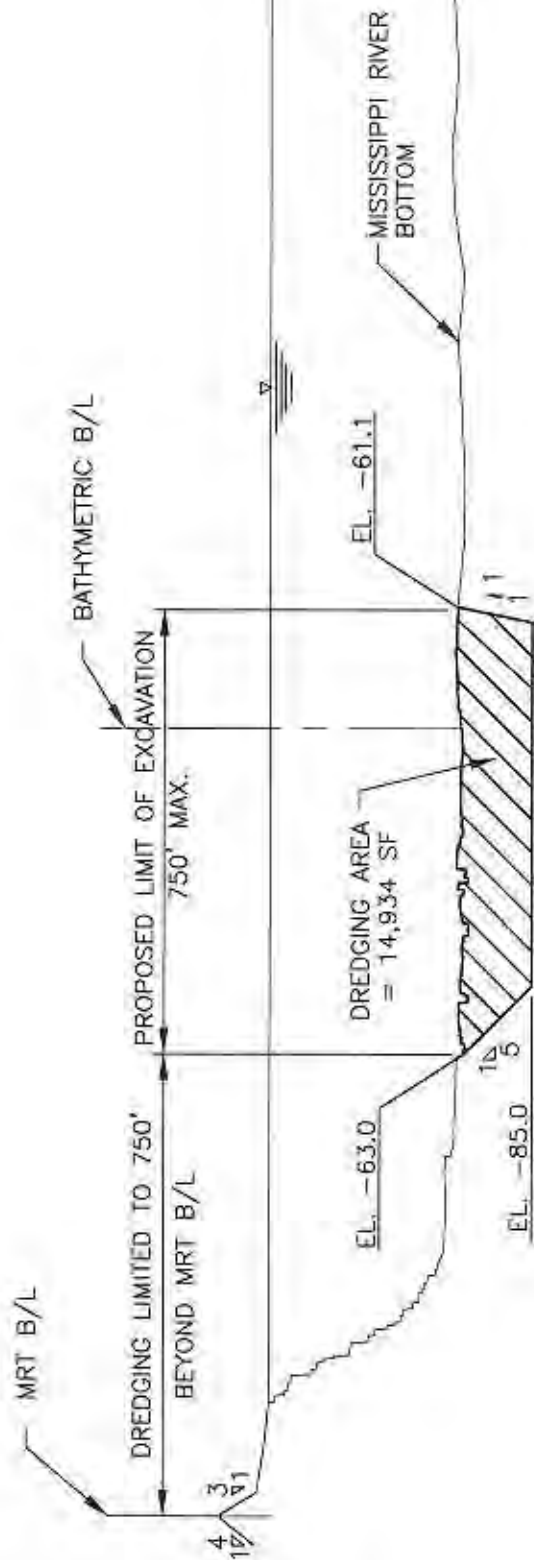
# PLAQUEMINES PARISH VEGETATED RIDGE (REACH B-2) PROJECT WEIR ELEVATIONS AND DETAILS



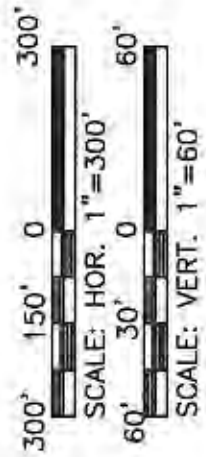
## NOTE:

1. EL. 2.0 NET SECTION; EL. 3.0± GROSS SECTION, (FOR PROJECTED SECTION SETTLEMENT)





MEAN WATER LEVELS:  
 RIVER MEAN HIGH STAGE = 4.21' (VENICE)  
 RIVER MEAN LOW STAGE = 1.45'  
 MARSH MEAN HIGH STAGE = 1.40' (GRAND ISLE)  
 MARSH MEAN LOW STAGE = -0.50'



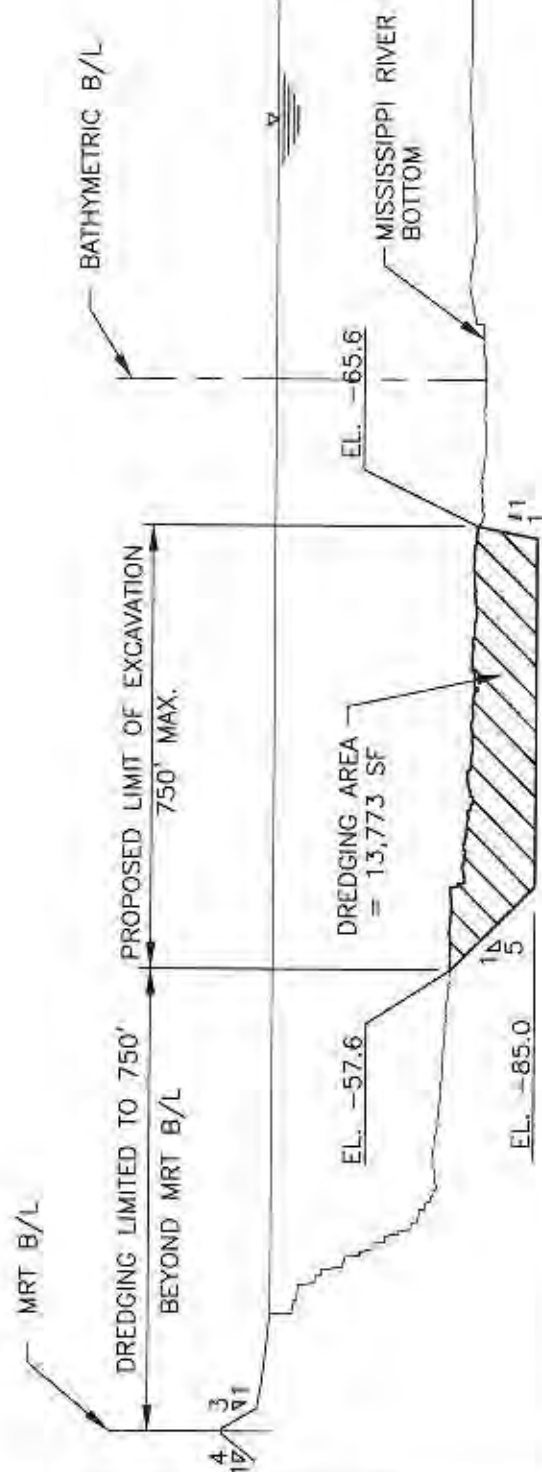
**PROPOSED DREDGING SECTION BATHYMETRIC STA. 30+00**

SCALE: HOR. 1"=300'  
 VERT. 1"=60'

**PLAQUEMINES PARISH VEGETATED RIDGE (REACH B-2) PROJECT  
 PROPOSED RIVER DREDGING CROSS-SECTION**







MEAN WATER LEVELS:  
 RIVER MEAN HIGH STAGE = 4.21' (VENICE)  
 RIVER MEAN LOW STAGE = 1.45'  
 MARSH MEAN HIGH STAGE = 1.40' (GRAND ISLE)  
 MARSH MEAN LOW STAGE = -0.50'

# PROPOSED DREDGING SECTION BATHYMETRIC STA. 50+00

SCALE: HOR. 1"=300'  
 VERT. 1"=60'

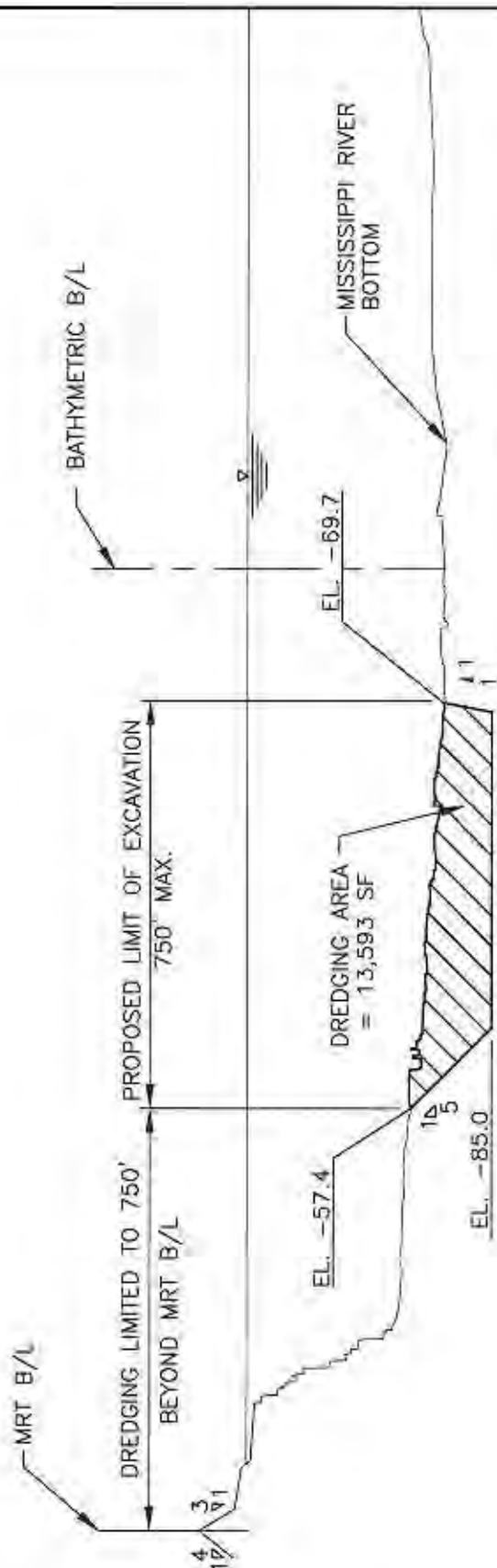
## PLAQUEMINES PARISH VEGETATED RIDGE (REACH B-2) PROJECT PROPOSED RIVER DREDGING CROSS-SECTION

PARISH OF PLAQUEMINES BELLE CHASSE LA  
 APPLICATION BY: PARISH OF PLAQUEMINES

SHEET: 28 OF 49 DREDGE CROSS SECTION

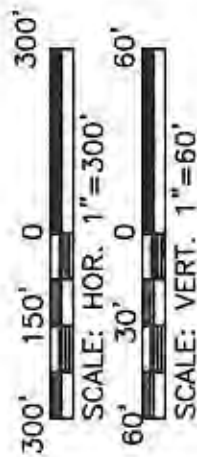
BURK-KLEINPETER, INC.  
 ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
 4176 CANAL STREET, NEW ORLEANS, LOUISIANA 70119-0994  
 (504) 486-5901 FAX (504) 486-1714  
 BKI PROJECT NO. 10452

NOVEMBER 2010



MEAN WATER LEVELS:

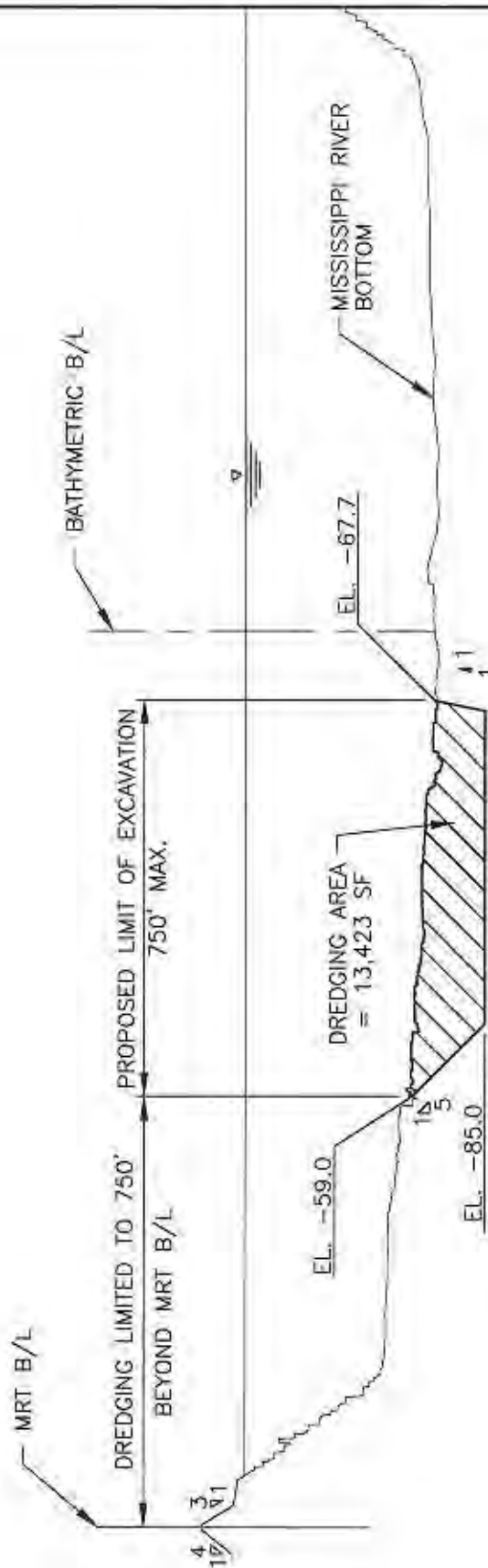
- RIVER MEAN HIGH STAGE = 4.21' (VENICE)
- RIVER MEAN LOW STAGE = 1.45'
- MARSH MEAN HIGH STAGE = 1.40' (GRAND ISLE)
- MARSH MEAN LOW STAGE = -0.50'



**PROPOSED DREDGING SECTION BATHYMETRIC STA. 60+00**

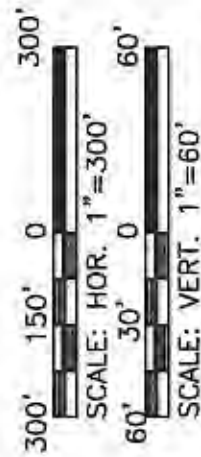
SCALE: HOR. 1"=300'  
VERT. 1"=60'

**PLAQUEMINES PARISH VEGETATED RIDGE (REACH B-2) PROJECT  
PROPOSED RIVER DREDGING CROSS-SECTION**



MEAN WATER LEVELS:

RIVER MEAN HIGH STAGE = 4.21' (VENICE)  
 RIVER MEAN LOW STAGE = 1.45'  
 MARSH MEAN HIGH STAGE = 1.40' (GRAND ISLE)  
 MARSH MEAN LOW STAGE = -0.50'



SCALE: HOR. 1"=300'  
 VERT. 1"=60'

**PROPOSED DREDGING SECTION BATHYMETRIC STA. 70+00**

**PLAQUEMINES PARISH VEGETATED RIDGE (REACH B-2) PROJECT  
 PROPOSED RIVER DREDGING CROSS-SECTION**

PARISH OF PLAQUEMINES BELLE CHASSE LA  
 APPLICATION BY: PARISH OF PLAQUEMINES

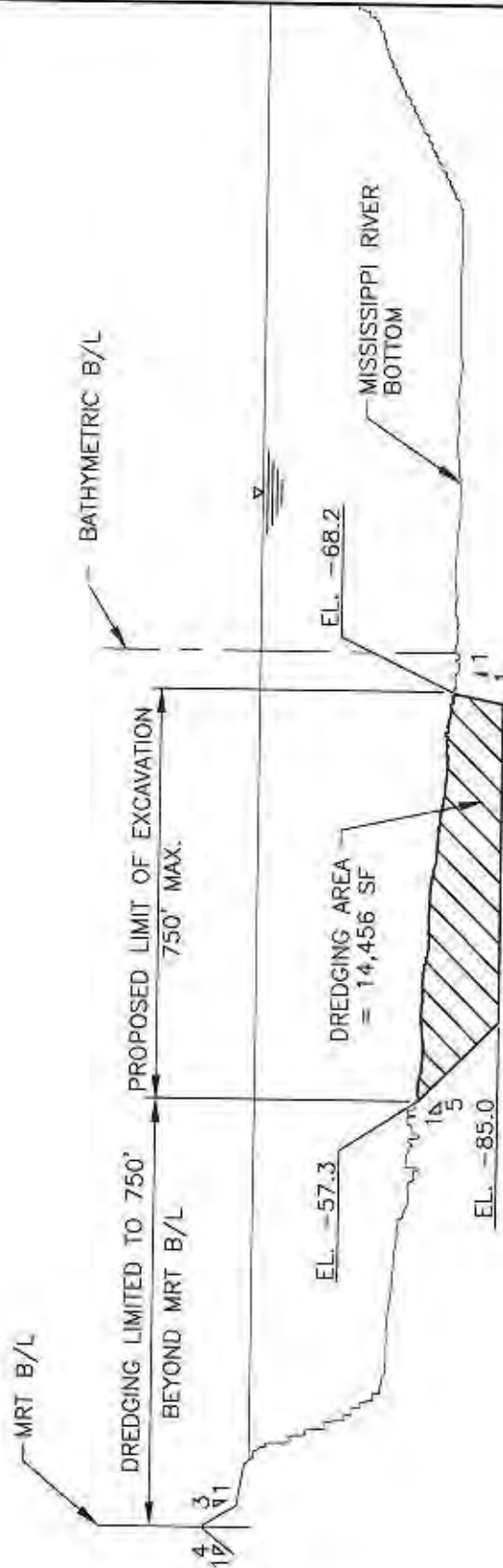
SHEET: 30 OF 49 DREDGE CROSS SECTION

BURK-KLEINPETER, INC.  
 ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
 4176 CANAL STREET, NEW ORLEANS, LOUISIANA 70119-5994  
 (504) 486-5901 FAX (504) 488-1714

BKI PROJECT NO. 10452

NOVEMBER 2010





MEAN WATER LEVELS:

RIVER MEAN HIGH STAGE = 4.21' (VENICE)  
 RIVER MEAN LOW STAGE = 1.45'  
 MARSH MEAN HIGH STAGE = 1.40' (GRAND ISLE)  
 MARSH MEAN LOW STAGE = -0.50'



**PROPOSED DREDGING SECTION BATHYMETRIC STA. 80+00**

SCALE: HOR. 1"=300'  
 VERT. 1"=60'

**PLAQUEMINES PARISH VEGETATED RIDGE (REACH B-2) PROJECT  
 PROPOSED RIVER DREDGING CROSS-SECTION**

PARISH OF PLAQUEMINES BELLE CHASSE LA  
 APPLICATION BY: PARISH OF PLAQUEMINES

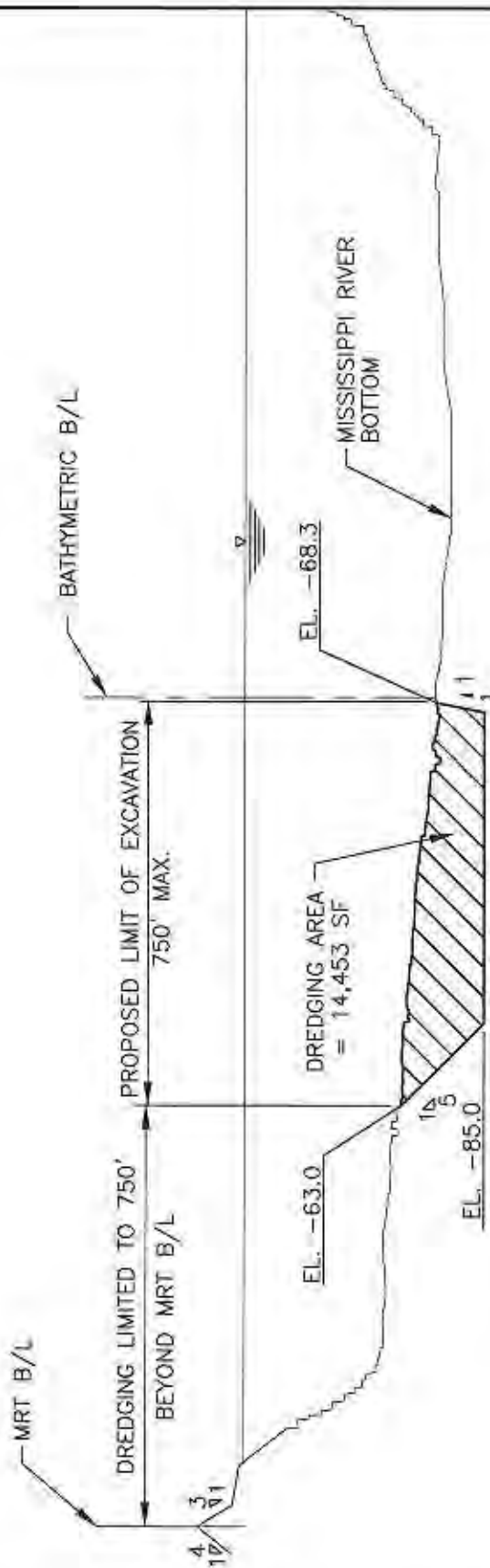
SHEET: 31 OF 49 DREDGE CROSS SECTION

BURK-KLEINPETER, INC.  
 ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
 4176 CANAL STREET, NEW ORLEANS, LOUISIANA 70119-5994  
 (504) 486-5901 FAX (504) 486-1714

BKI PROJECT NO. 10452

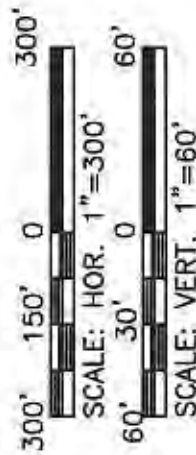
NOVEMBER 2010





MEAN WATER LEVELS:

RIVER MEAN HIGH STAGE = 4.21' (VENICE)  
 RIVER MEAN LOW STAGE = 1.45'  
 MARSH MEAN HIGH STAGE = 1.40' (GRAND ISLE)  
 MARSH MEAN LOW STAGE = -0.50'



PROPOSED DREDGING SECTION BATHYMETRIC STA. 100+00

SCALE: HOR. 1"=300'  
 VERT. 1"=60'

PLAQUEMINES PARISH VEGETATED RIDGE (REACH B-2) PROJECT  
 PROPOSED RIVER DREDGING CROSS-SECTION

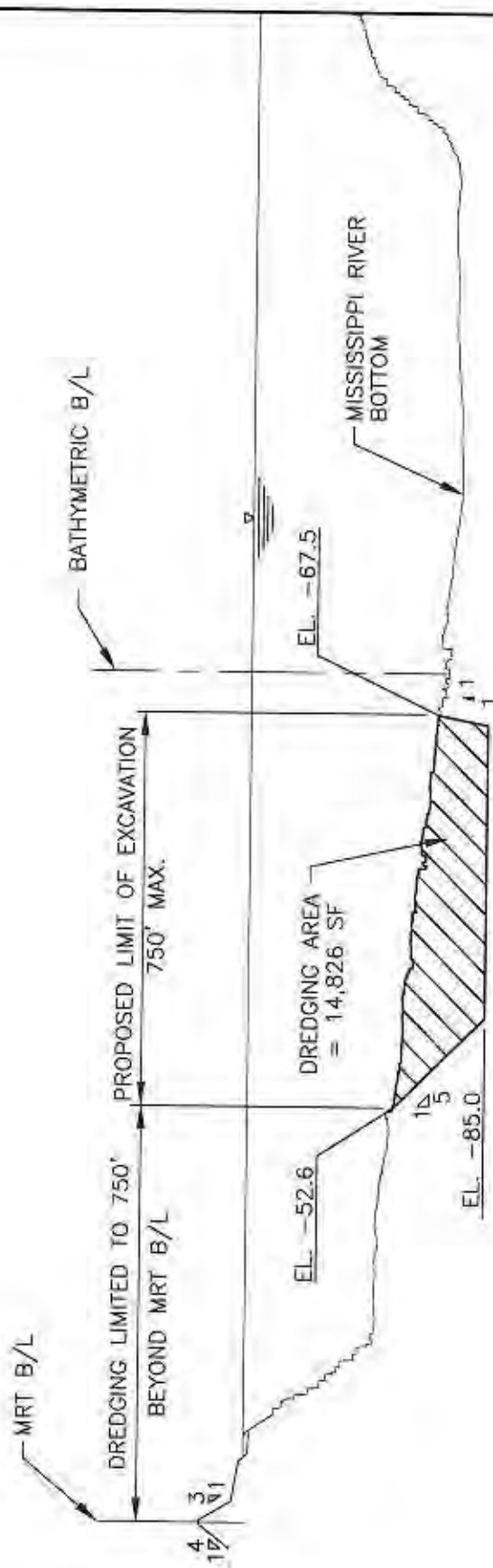
PARISH OF PLAQUEMINES BELLE CHASSE LA  
 APPLICATION BY: PARISH OF PLAQUEMINES

SHEET: 33 OF 49 DREDGE CROSS SECTION

BURK-KLEINPETER, INC.  
 ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
 4176 CANAL STREET, NEW ORLEANS, LOUISIANA 70119-5994  
 (504) 486-5901 FAX (504) 486-1714

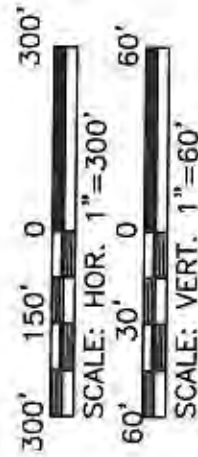
BKI PROJECT NO. 10452

NOVEMBER 2010



MEAN WATER LEVELS:

RIVER MEAN HIGH STAGE = 4.21' (VENICE)  
 RIVER MEAN LOW STAGE = 1.45'  
 MARSH MEAN HIGH STAGE = 1.40' (GRAND ISLE)  
 MARSH MEAN LOW STAGE = -0.50'



**PROPOSED DREDGING SECTION BATHYMETRIC STA. 110+00**

SCALE: HOR. 1"=300'  
 VERT. 1"=60'

**PLAQUEMINES PARISH VEGETATED RIDGE (REACH B-2) PROJECT  
 PROPOSED RIVER DREDGING CROSS-SECTION**

PARISH OF PLAQUEMINES BELLE CHASSE LA  
 APPLICATION BY: PARISH OF PLAQUEMINES

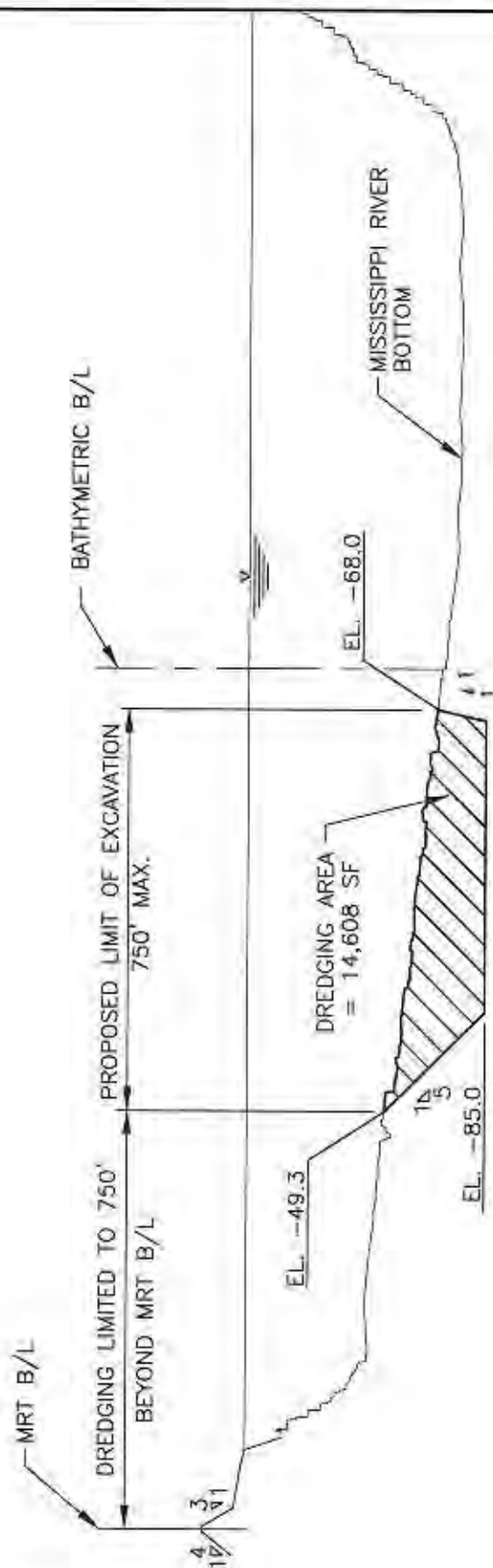
SHEET: 34 OF 49 DREDGE CROSS SECTION

BURK-KLEINPETER, INC.  
 ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
 4176 CANAL STREET, NEW ORLEANS, LOUISIANA 70119-5994  
 (504) 486-5901 FAX (504) 488-1714

BKI PROJECT NO. 10452

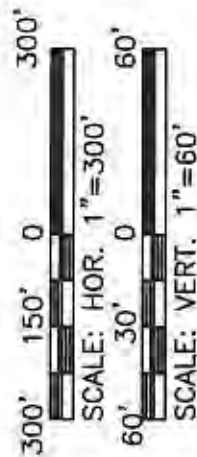
NOVEMBER 2010





MEAN WATER LEVELS:

RIVER MEAN HIGH STAGE = 4.21' (VENICE)  
 RIVER MEAN LOW STAGE = 1.45'  
 MARSH MEAN HIGH STAGE = 1.40' (GRAND ISLE)  
 MARSH MEAN LOW STAGE = -0.50'



**PROPOSED DREDGING SECTION BATHYMETRIC STA. 120+00**

SCALE: HOR. 1"=300'  
 VERT. 1"=60'

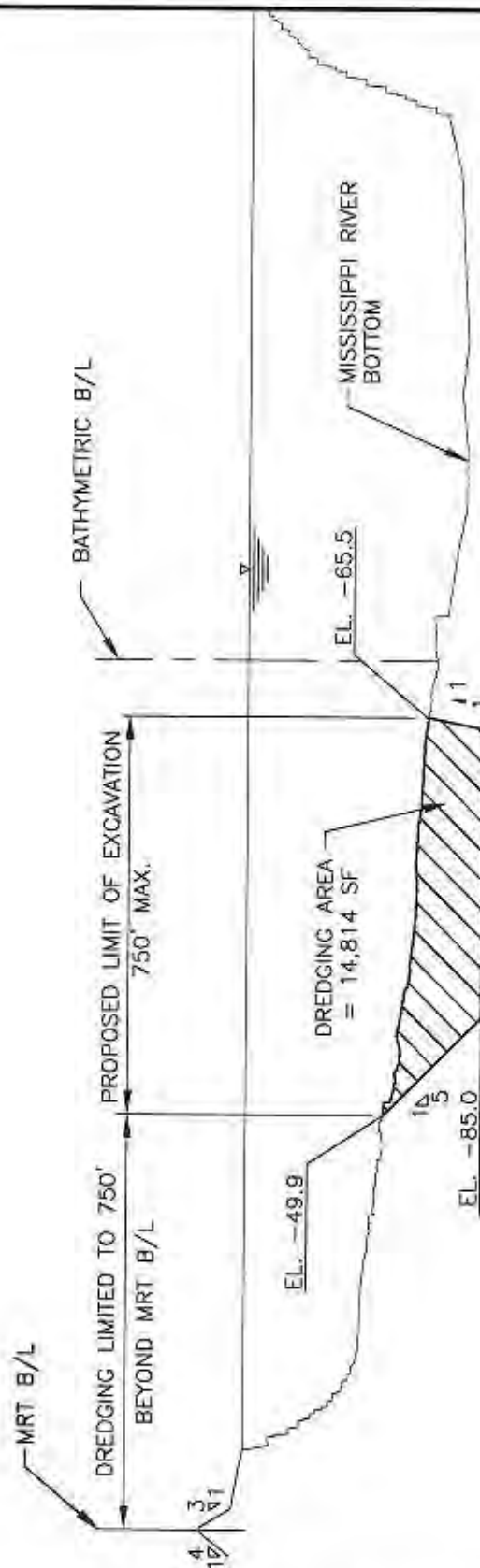
**PLAQUEMINES PARISH VEGETATED RIDGE (REACH B-2) PROJECT  
 PROPOSED RIVER DREDGING CROSS-SECTION**

PARISH OF PLAQUEMINES BELLE CHASSE LA  
 APPLICATION BY: PARISH OF PLAQUEMINES

SHEET: 35 OF 49 DREDGE CROSS SECTION

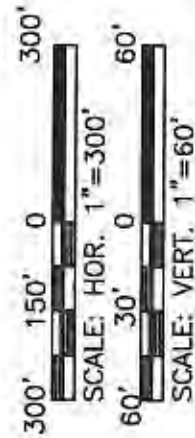
BURK-KLEINPETER, INC.  
 ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
 4175 CANAL STREET, NEW ORLEANS, LOUISIANA 70119-5994  
 (504) 486-5901 FAX (504) 483-1714  
 BKI PROJECT NO. 10452

NOVEMBER 2010



MEAN WATER LEVELS:

- RIVER MEAN HIGH STAGE = 4.21' (VENICE)
- RIVER MEAN LOW STAGE = 1.45'
- MARSH MEAN HIGH STAGE = 1.40' (GRAND ISLE)
- MARSH MEAN LOW STAGE = -0.50'



PROPOSED DREDGING SECTION BATHYMETRIC STA. 130+00

SCALE: HOR. 1"=300'  
VERT. 1"=60'

PLAQUEMINES PARISH VEGETATED RIDGE (REACH B-2) PROJECT  
PROPOSED RIVER DREDGING CROSS-SECTION

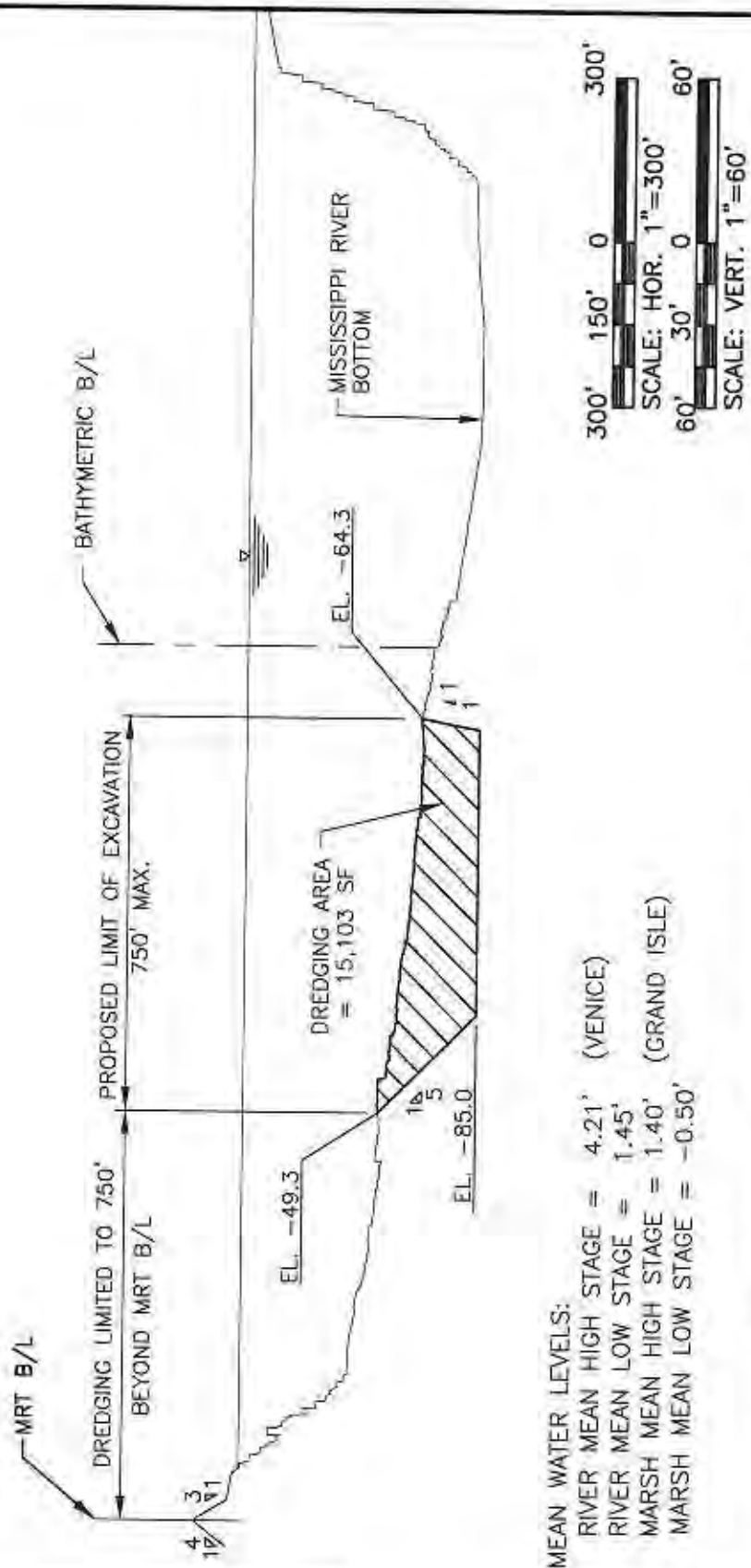
PARISH OF PLAQUEMINES BELLE CHASSE LA  
APPLICATION BY: PARISH OF PLAQUEMINES

SHEET: 36 OF 49 DREDGE CROSS SECTION

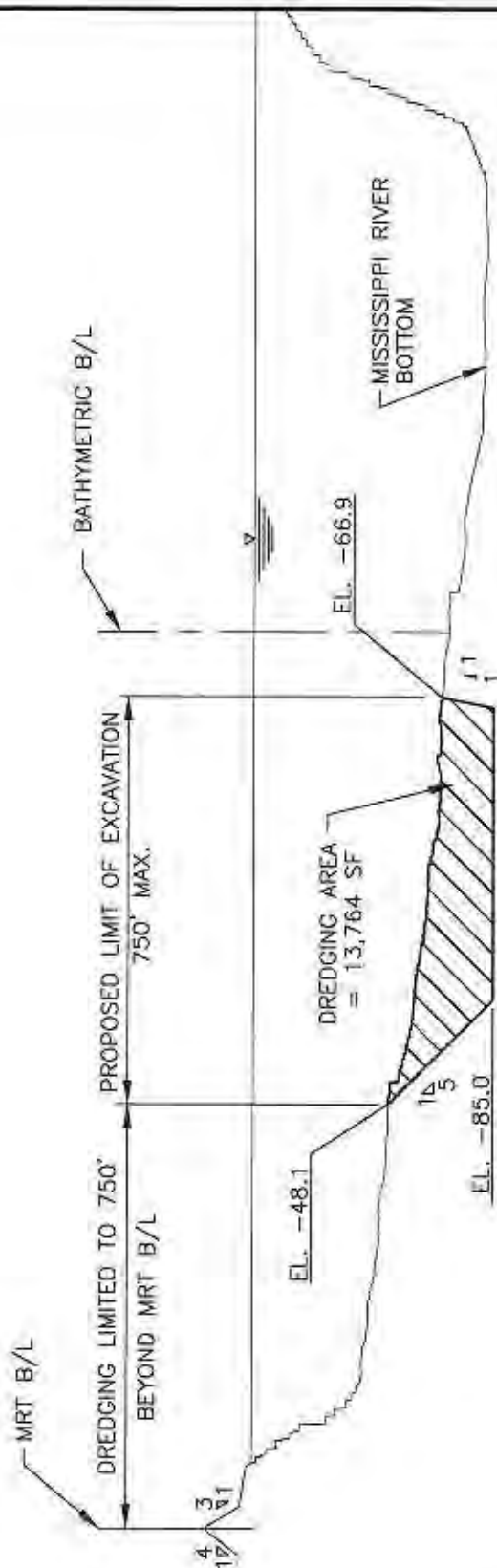
BURK-KLEINPETER, INC.  
ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
4176 CANAL STREET, NEW ORLEANS, LOUISIANA 70119-5994  
(504) 488-5901 FAX (504) 488-1714

BKI PROJECT NO. 10452

NOVEMBER 2010

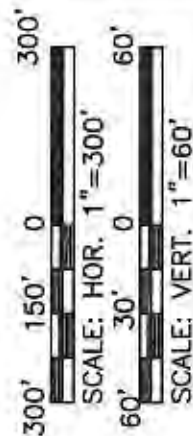


**PLAQUEMINES PARISH VEGETATED RIDGE (REACH B-2) PROJECT**  
**PROPOSED RIVER DREDGING CROSS-SECTION**



MEAN WATER LEVELS:

RIVER MEAN HIGH STAGE = 4.21' (VENICE)  
 RIVER MEAN LOW STAGE = 1.45'  
 MARSH MEAN HIGH STAGE = 1.40' (GRAND ISLE)  
 MARSH MEAN LOW STAGE = -0.50'



**PROPOSED DREDGING SECTION BATHYMETRIC STA. 150+00**

SCALE: HOR. 1"=300'  
 VERT. 1"=60'

**PLAQUEMINES PARISH VEGETATED RIDGE (REACH B-2) PROJECT  
 PROPOSED RIVER DREDGING CROSS-SECTION**

PARISH OF PLAQUEMINES BELLE CHASSE LA  
 APPLICATION BY: PARISH OF PLAQUEMINES

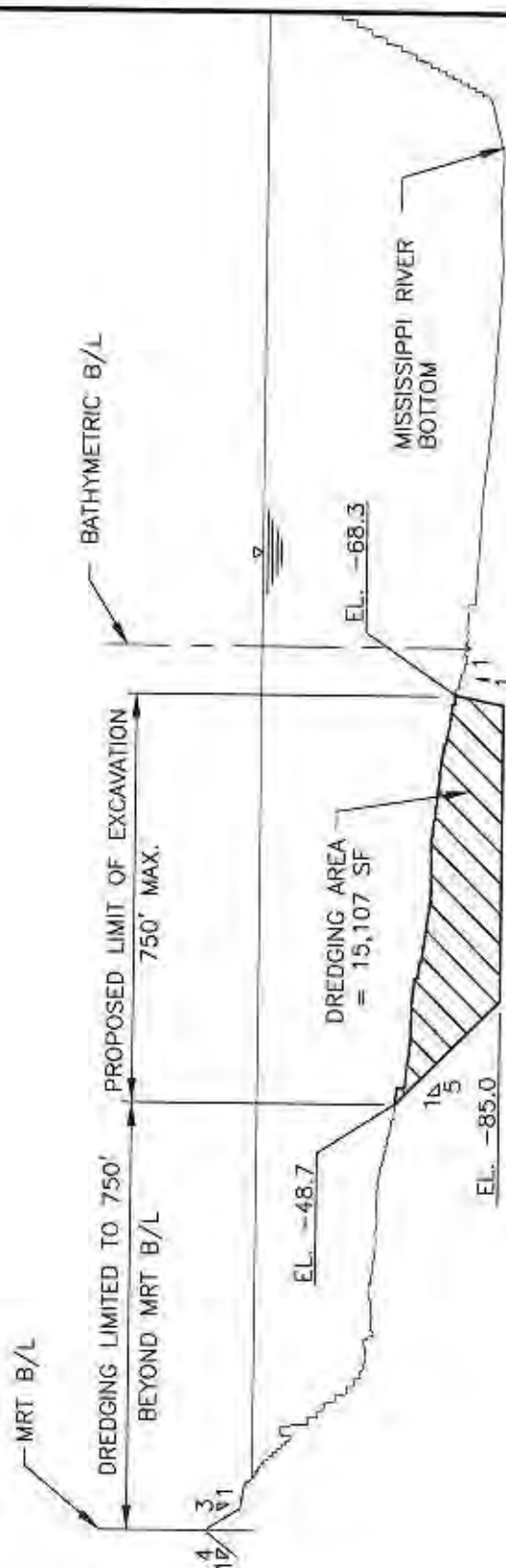
SHEET: 38 OF 49 DREDGE CROSS SECTION

BURK-KLEINPETER, INC.  
 ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
 4176 CANAL STREET, NEW ORLEANS, LOUISIANA 70119-5894  
 (504) 486-5901 FAX (504) 486-1714

BKJ PROJECT NO. 10452

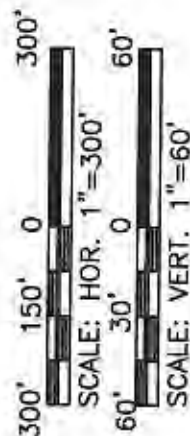
NOVEMBER 2010





MEAN WATER LEVELS:

RIVER MEAN HIGH STAGE = 4.21' (VENICE)  
 RIVER MEAN LOW STAGE = 1.45'  
 MARSH MEAN HIGH STAGE = 1.40' (GRAND ISLE)  
 MARSH MEAN LOW STAGE = -0.50'



**PROPOSED DREDGING SECTION BATHYMETRIC STA. 160+00**

SCALE: HOR. 1"=300'  
 VERT. 1"=60'

**PLAQUEMINES PARISH VEGETATED RIDGE (REACH B-2) PROJECT  
 PROPOSED RIVER DREDGING CROSS-SECTION**

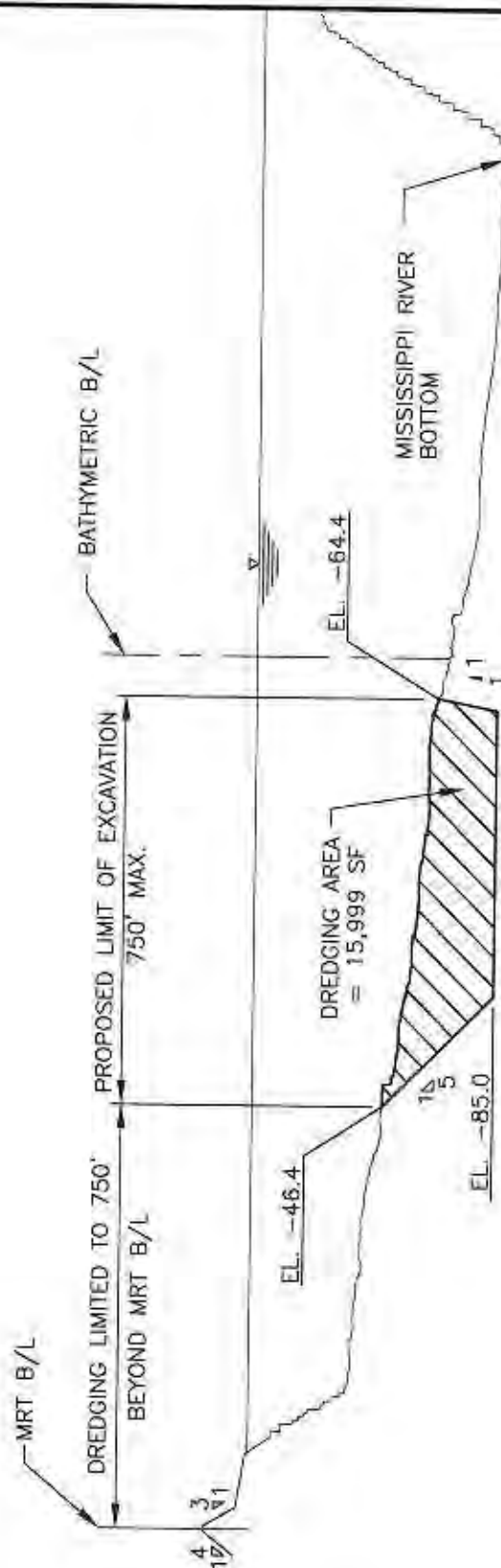
PARISH OF PLAQUEMINES BELLE CHASSE LA  
 APPLICATION BY: PARISH OF PLAQUEMINES

SHEET: 39 OF 49 DREDGE CROSS SECTION

BURK-KLEINPETER, INC.  
 ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
 4176 CANAL STREET, NEW ORLEANS, LOUISIANA 70115-5994  
 (504) 486-5301 FAX (504) 488-1714

BKI PROJECT NO. 10452

NOVEMBER 2010



RIVER MEAN HIGH STAGE = 4.21' (VENICE)  
 RIVER MEAN LOW STAGE = 1.45'  
 MARSH MEAN HIGH STAGE = 1.40' (GRAND ISLE)  
 MARSH MEAN LOW STAGE = -0.50'



PROPOSED DREDGING SECTION BATHYMETRIC STA. 170+00

SCALE: HOR. 1"=300'  
 VERT. 1"=60'

PLAQUEMINES PARISH VEGETATED RIDGE (REACH B-2) PROJECT  
 PROPOSED RIVER DREDGING CROSS-SECTION

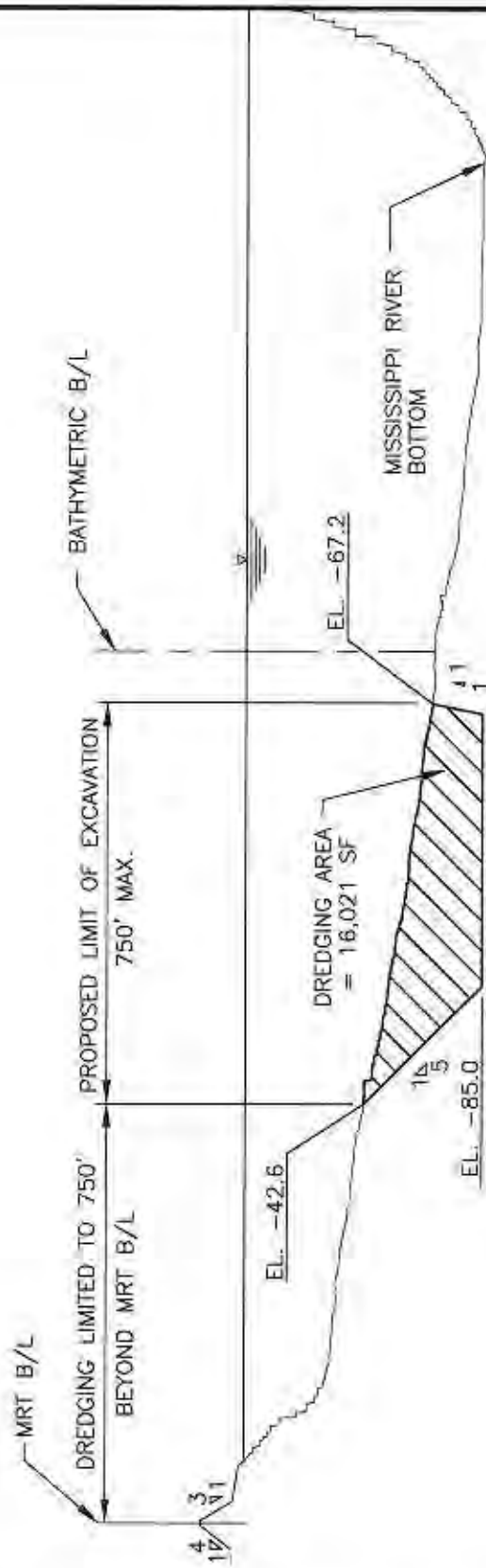
PARISH OF PLAQUEMINES BELLE CHASSE LA  
 APPLICATION BY: PARISH OF PLAQUEMINES

SHEET: 40 OF 49 DREDGE CROSS SECTION

BURK-KLEINPETER, INC.  
 ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
 4176 CANAL STREET, NEW ORLEANS, LOUISIANA 70119-8894  
 (504) 486-5901 FAX (504) 486-1714

BKI PROJECT NO. 10452

NOVEMBER 2010



MEAN WATER LEVELS:

RIVER MEAN HIGH STAGE = 4.21' (VENICE)

RIVER MEAN LOW STAGE = 1.45'

MARSH MEAN HIGH STAGE = 1.40' (GRAND ISLE)

MARSH MEAN LOW STAGE = -0.50'

300' 150' 0 300'

SCALE: HOR. 1"=300'

60' 30' 0 60'

SCALE: VERT. 1"=60'

PROPOSED DREDGING SECTION BATHYMETRIC STA. 180+00

SCALE: HOR. 1"=300'  
VERT. 1"=60'

PLAQUEMINES PARISH VEGETATED RIDGE (REACH B-2) PROJECT  
PROPOSED RIVER DREDGING CROSS-SECTION

PARISH OF PLAQUEMINES BELLE CHASSE LA  
APPLICATION BY: PARISH OF PLAQUEMINES

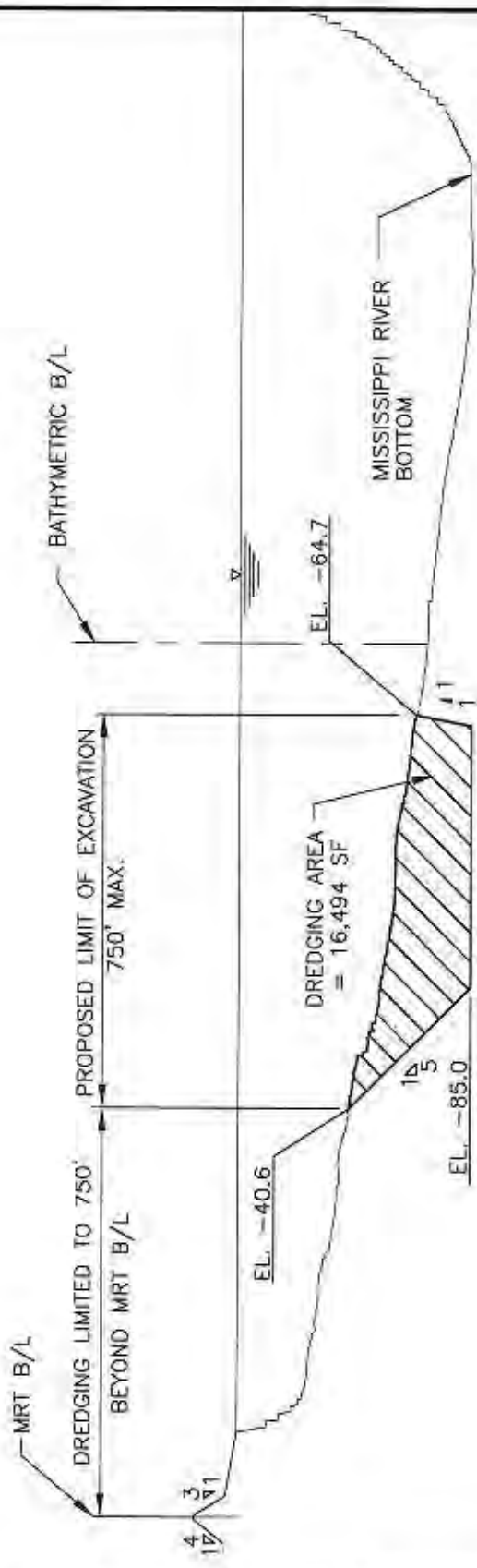
SHEET: 41 OF 49 DREDGE CROSS SECTION

BURK-KLEINPETER, INC.

ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
4178 CANAL STREET, NEW ORLEANS, LOUISIANA 70119-5994  
(504) 466-5901 FAX (504) 466-1714

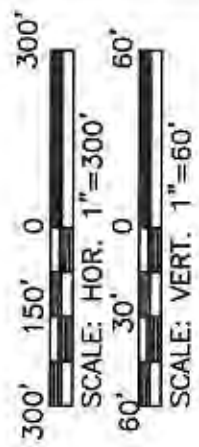
BKI PROJECT NO. 10452

NOVEMBER 2010



MEAN WATER LEVELS:

- RIVER MEAN HIGH STAGE = 4.21' (VENICE)
- RIVER MEAN LOW STAGE = 1.45'
- MARSH MEAN HIGH STAGE = 1.40' (GRAND ISLE)
- MARSH MEAN LOW STAGE = -0.50'



PROPOSED DREDGING SECTION BATHYMETRIC STA. 190+00

SCALE: HOR. 1"=300'  
VERT. 1"=60'

PLAQUEMINES PARISH VEGETATED RIDGE (REACH B-2) PROJECT  
PROPOSED RIVER DREDGING CROSS-SECTION

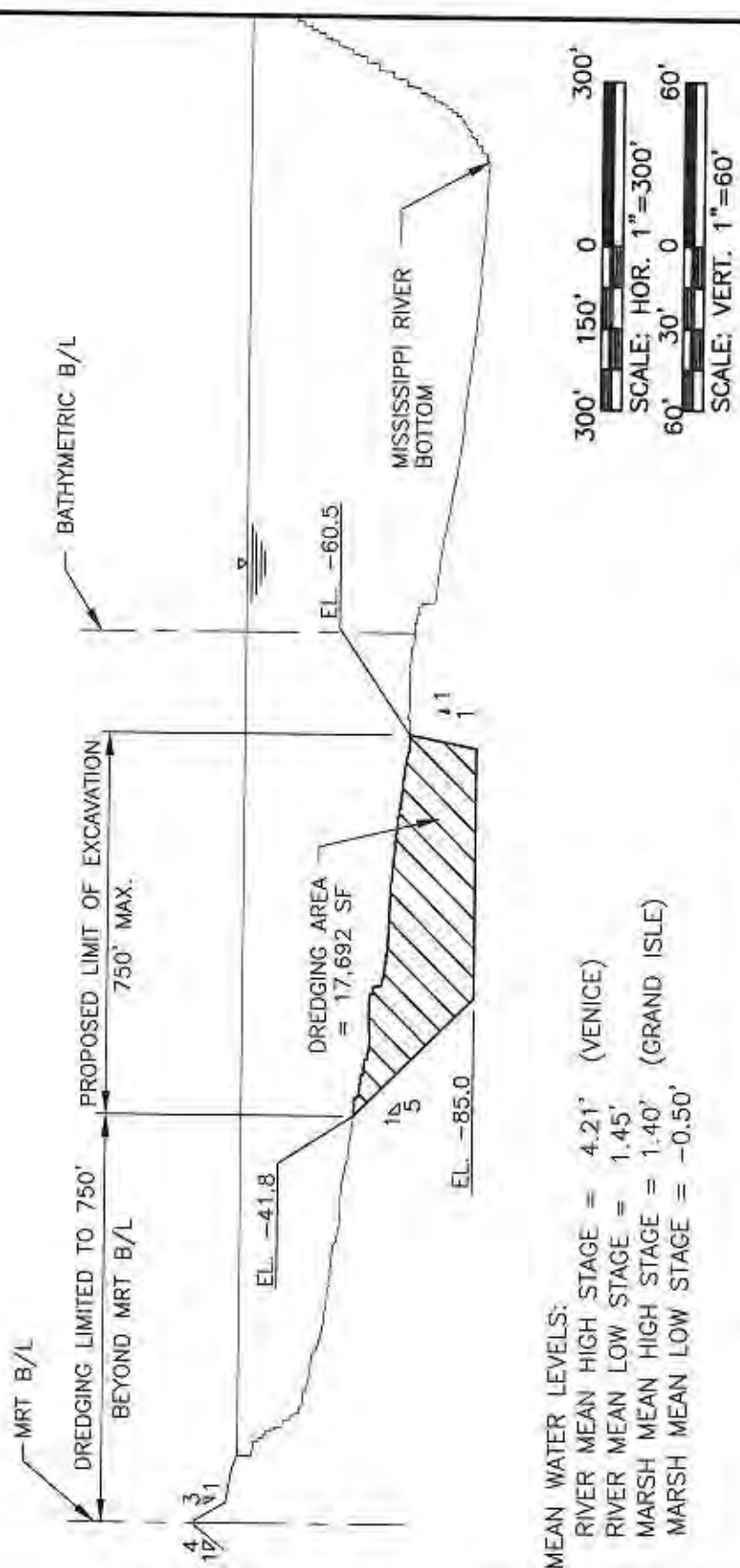
PARISH OF PLAQUEMINES BELLE CHASSE LA  
APPLICATION BY: PARISH OF PLAQUEMINES

SHEET: 42 OF 49 DREDGE CROSS SECTION

BURK-KLEINPETER, INC.  
ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
4176 CANAL STREET, NEW ORLEANS, LOUISIANA 70119-5994  
(504) 466-5901 FAX (504) 466-1714

BKI PROJECT NO. 10452

NOVEMBER 2010



**PROPOSED DREDGING SECTION BATHYMETRIC STA. 200+00**

**PLAQUEMINES PARISH VEGETATED RIDGE (REACH B-2) PROJECT  
PROPOSED RIVER DREDGING CROSS-SECTION**

PARISH OF PLAQUEMINES BELLE CHASSE LA  
APPLICATION BY: PARISH OF PLAQUEMINES

SHEET: 43 OF 49 DREDGE CROSS SECTION

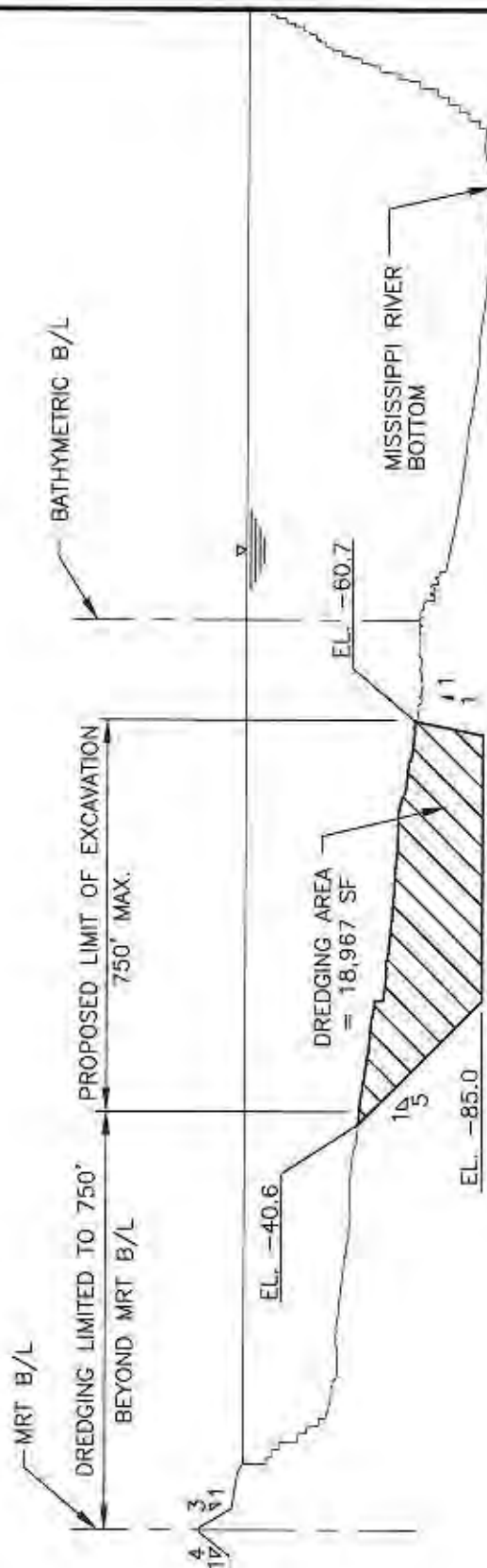
**BURK-KLEINPETER, INC.**

ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
4176 CANAL STREET, NEW ORLEANS, LOUISIANA 70119-5994  
(504) 488-5901 FAX (504) 488-1714

BKI PROJECT NO. 10452

NOVEMBER 2010





MEAN WATER LEVELS:

RIVER MEAN HIGH STAGE = 4.21' (VENICE)  
 RIVER MEAN LOW STAGE = 1.45'  
 MARSH MEAN HIGH STAGE = 1.40' (GRAND ISLE)  
 MARSH MEAN LOW STAGE = -0.50'



**PROPOSED DREDGING SECTION BATHYMETRIC STA. 210+00**

SCALE: HOR. 1"=300'  
 VERT. 1"=60'

**PLAQUEMINES PARISH VEGETATED RIDGE (REACH B-2) PROJECT  
 PROPOSED RIVER DREDGING CROSS-SECTION**

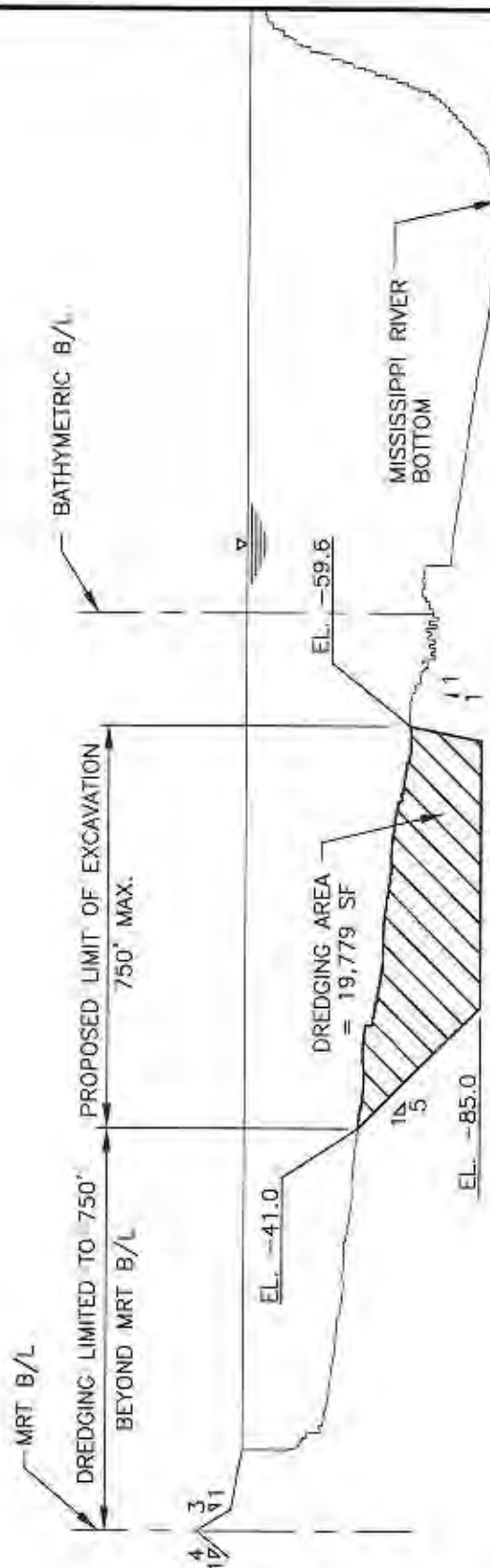
PARISH OF PLAQUEMINES BELLE CHASSE LA  
 APPLICATION BY: PARISH OF PLAQUEMINES

SHEET: 44 OF 49 DREDGE CROSS SECTION

**BURK-KLEINPETER, INC.**  
 ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
 4176 CANAL STREET, NEW ORLEANS, LOUISIANA 70119-5994  
 (504) 486-5901 FAX (504) 486-1714

BKI PROJECT NO. 10452

NOVEMBER 2010



MEAN WATER LEVELS:  
 RIVER MEAN HIGH STAGE = 4.21' (VENICE)  
 RIVER MEAN LOW STAGE = 1.45'  
 MARSH MEAN HIGH STAGE = 1.40' (GRAND ISLE)  
 MARSH MEAN LOW STAGE = -0.50'

300' 150' 0 300'  
 SCALE: HOR. 1"=300'  
 60' 30' 0 60'  
 SCALE: VERT. 1"=60'

# PROPOSED DREDGING SECTION BATHYMETRIC STA. 220+00

SCALE: HOR. 1"=300'  
 VERT. 1"=60'

## PLAQUEMINES PARISH VEGETATED RIDGE (REACH B-2) PROJECT PROPOSED DREDGING CROSS-SECTION

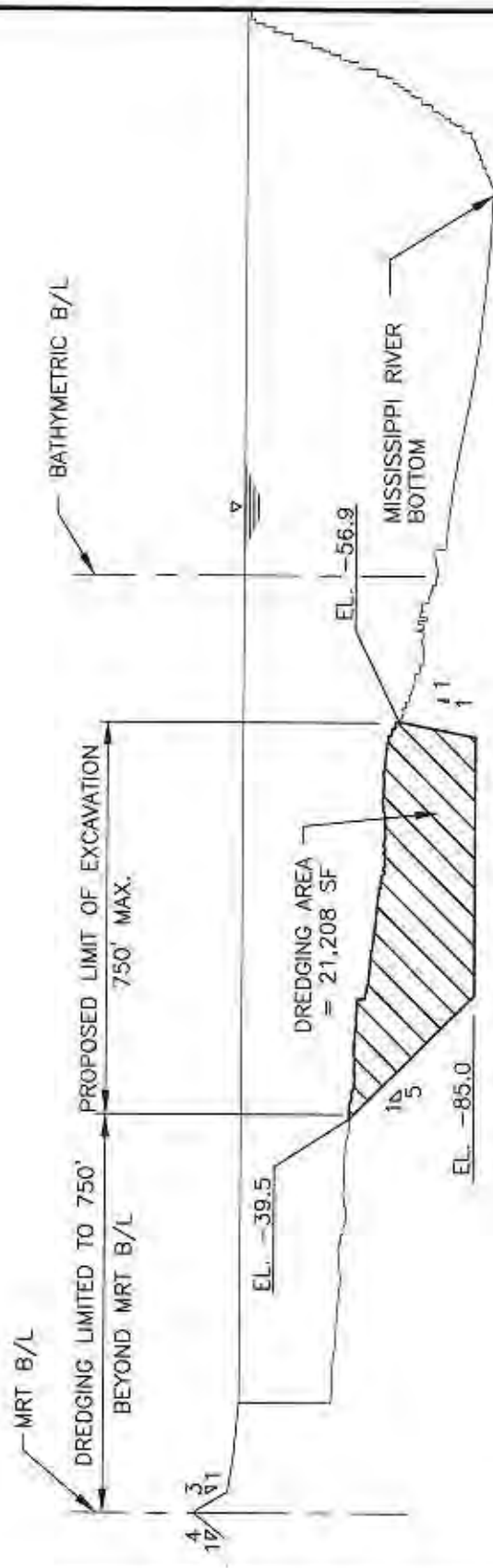
PARISH OF PLAQUEMINES BELLE CHASSE LA  
 APPLICATION BY: PARISH OF PLAQUEMINES

SHEET: 45 OF 49 DREDGE CROSS SECTION

BURK-KLEINPETER, INC.  
 ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
 4175 CANAL STREET, NEW ORLEANS, LOUISIANA 70119-5994  
 (504) 486-3901 FAX (504) 486-1714

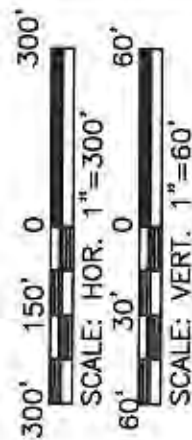
BKI PROJECT NO. 10452

NOVEMBER 2010



MEAN WATER LEVELS:

RIVER MEAN HIGH STAGE = 4.21' (VENICE)  
 RIVER MEAN LOW STAGE = 1.45'  
 MARSH MEAN HIGH STAGE = 1.40' (GRAND ISLE)  
 MARSH MEAN LOW STAGE = -0.50'



**PROPOSED DREDGING SECTION BATHYMETRIC STA. 230+00**

SCALE: HOR. 1"=300'  
 VERT. 1"=60'

**PLAQUEMINES PARISH VEGETATED RIDGE (REACH B-2) PROJECT  
 PROPOSED RIVER DREDGING CROSS-SECTION**

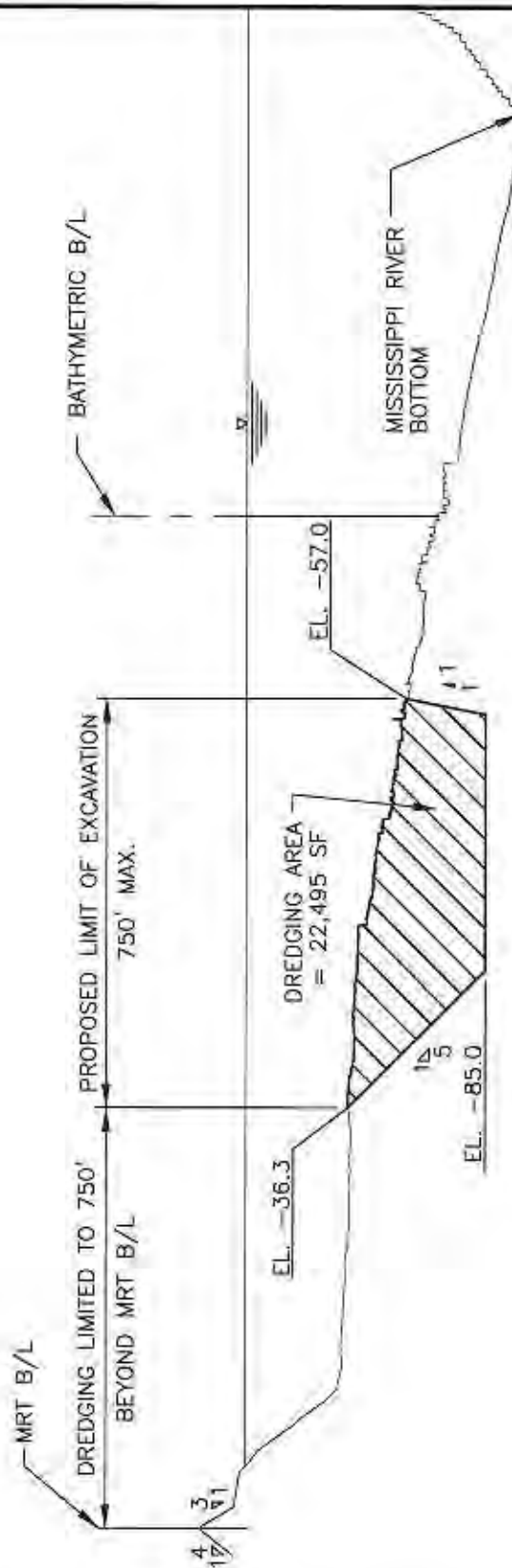
PARISH OF PLAQUEMINES BELLE CHASSE LA  
 APPLICATION BY: PARISH OF PLAQUEMINES

SHEET: 46 OF 49 DREDGE CROSS SECTION

**BURK-KLEINPETER, INC.**  
 ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
 4176 CANAL STREET, NEW ORLEANS, LOUISIANA 70119-5994  
 (504) 486-5501 FAX (504) 486-1714

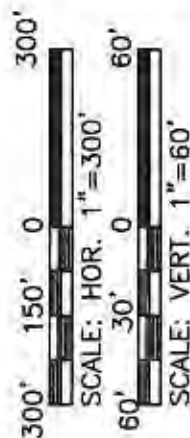
BKI PROJECT NO. 10452

NOVEMBER 2010



MEAN WATER LEVELS:

RIVER MEAN HIGH STAGE = 4.21' (VENICE)  
 RIVER MEAN LOW STAGE = 1.45'  
 MARSH MEAN HIGH STAGE = 1.40' (GRAND ISLE)  
 MARSH MEAN LOW STAGE = -0.50'



PROPOSED DREDGING SECTION BATHYMETRIC STA. 240+00

SCALE: HOR. 1"=300'  
 VERT. 1"=60'

PLAQUEMINES PARISH VEGETATED RIDGE (REACH B-2) PROJECT  
 PROPOSED RIVER DREDGING CROSS-SECTION

PARISH OF PLAQUEMINES BELLE CHASSE LA  
 APPLICATION BY: PARISH OF PLAQUEMINES

SHEET: 47 OF 49 DREDGE CROSS SECTION

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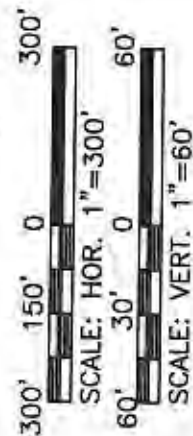






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PROPOSED DREDGING SECTION BATHYMETRIC STA. 260+00

SCALE: HOR. 1" = 300'  
 VERT. 1" = 60'

PLAQUEMINES PARISH VEGETATED RIDGE (REACH B-2) PROJECT  
 PROPOSED RIVER DREDGING CROSS-SECTION

PARISH OF PLAQUEMINES BELLE CHASSE LA  
 APPLICATION BY: PARISH OF PLAQUEMINES

SHEET: 49 OF 49 DREDGE CROSS SECTION

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