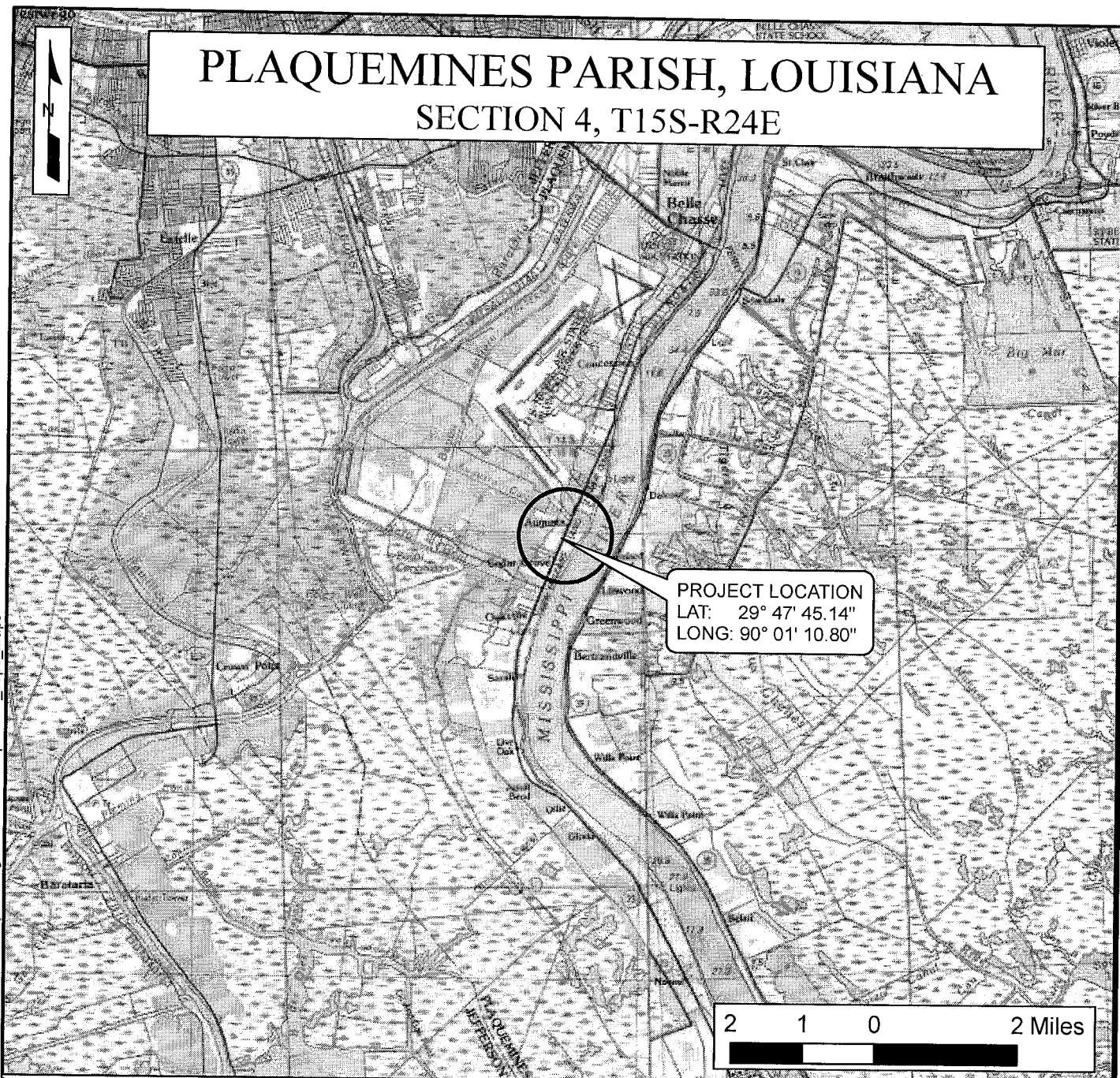


Imagery Source: ESRI, i-cubed, USDA FSA, USGS, AEX, GeoEye, Getmapping, http://goto.arcgisonline.com/maps/USA_Topo_Maps



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H & H TRUCKING

SAND DREDGING IN MISSISSIPPI RIVER

VICINITY MAP



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DRAWN BY: DSG

SHEET: 1

CHECKED BY: TRR

SCALE: 1 IN = 2 MILES

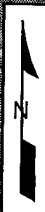
APROVED BY:

DATE: 6/21/2011

REVISION BY:

JOB NO.: 10914

MAP FILE: 10914_VICINITY.MXD



PLAQUEMINES PARISH, LOUISIANA

SECTION 4, T15S-R24E

PROJECT LOCATION
 LAT: 29° 47' 45.14"
 LONG: 90° 01' 10.80"

1,000 500 0 1,000 Feet

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SAND DREDGING IN MISSISSIPPI RIVER

AERIAL IMAGERY MAP



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DRAWN BY: DSG

SHEET: 2

CHECKED BY: TRR

SCALE: 1 IN = 1000 FT

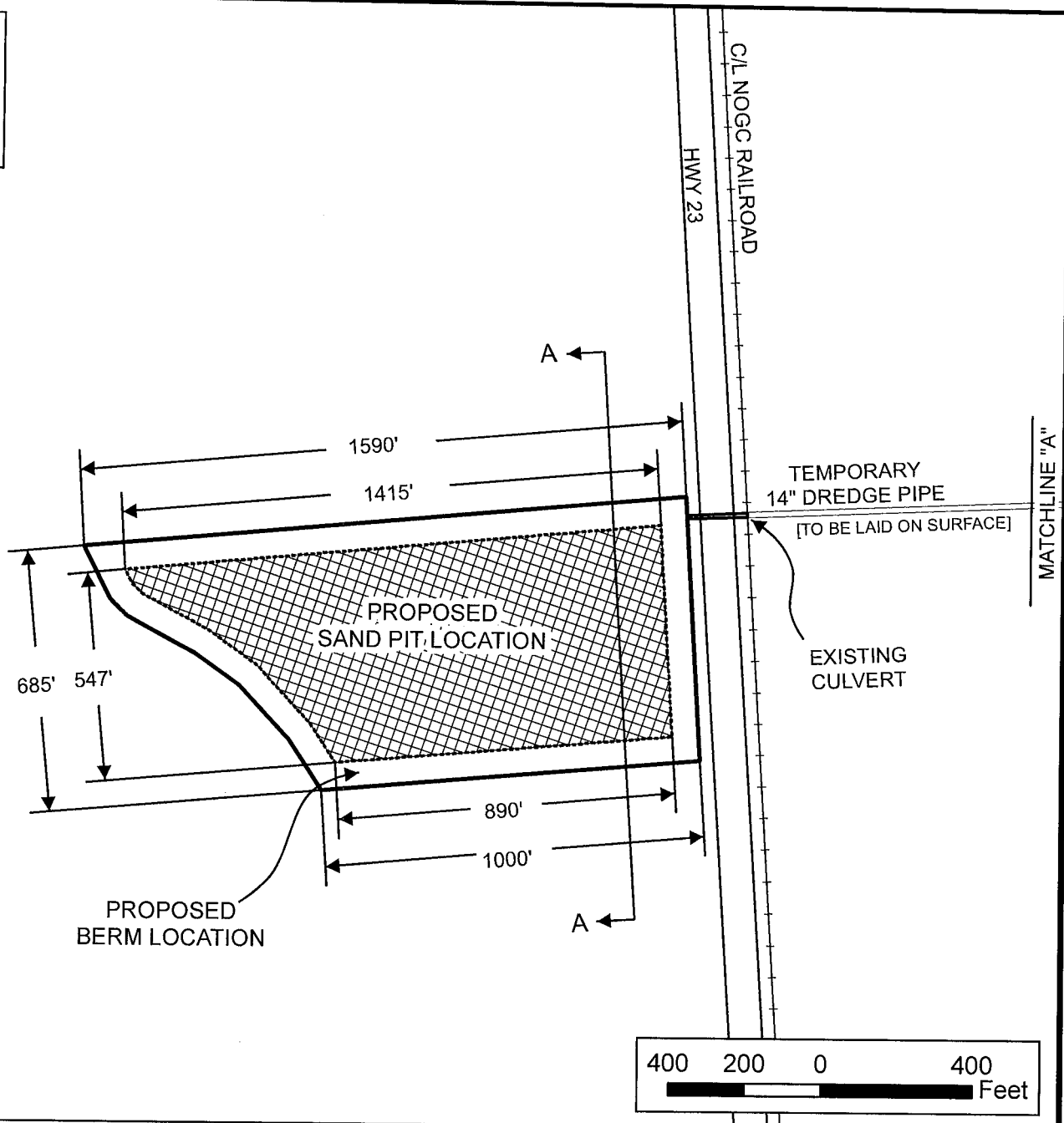
APROVED BY:

DATE: 6/21/2011

REVISION BY:

JOB NO.: 10914

MAP FILE: 10906_AERIAL.MXD



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SAND DREDGING IN MISSISSIPPI RIVER PROPOSED SAND PIT LOCATION PLAN VIEW



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DRAWN BY: DSG

SHEET: 4

CHECKED BY: TRR

SCALE: 1" = 400'

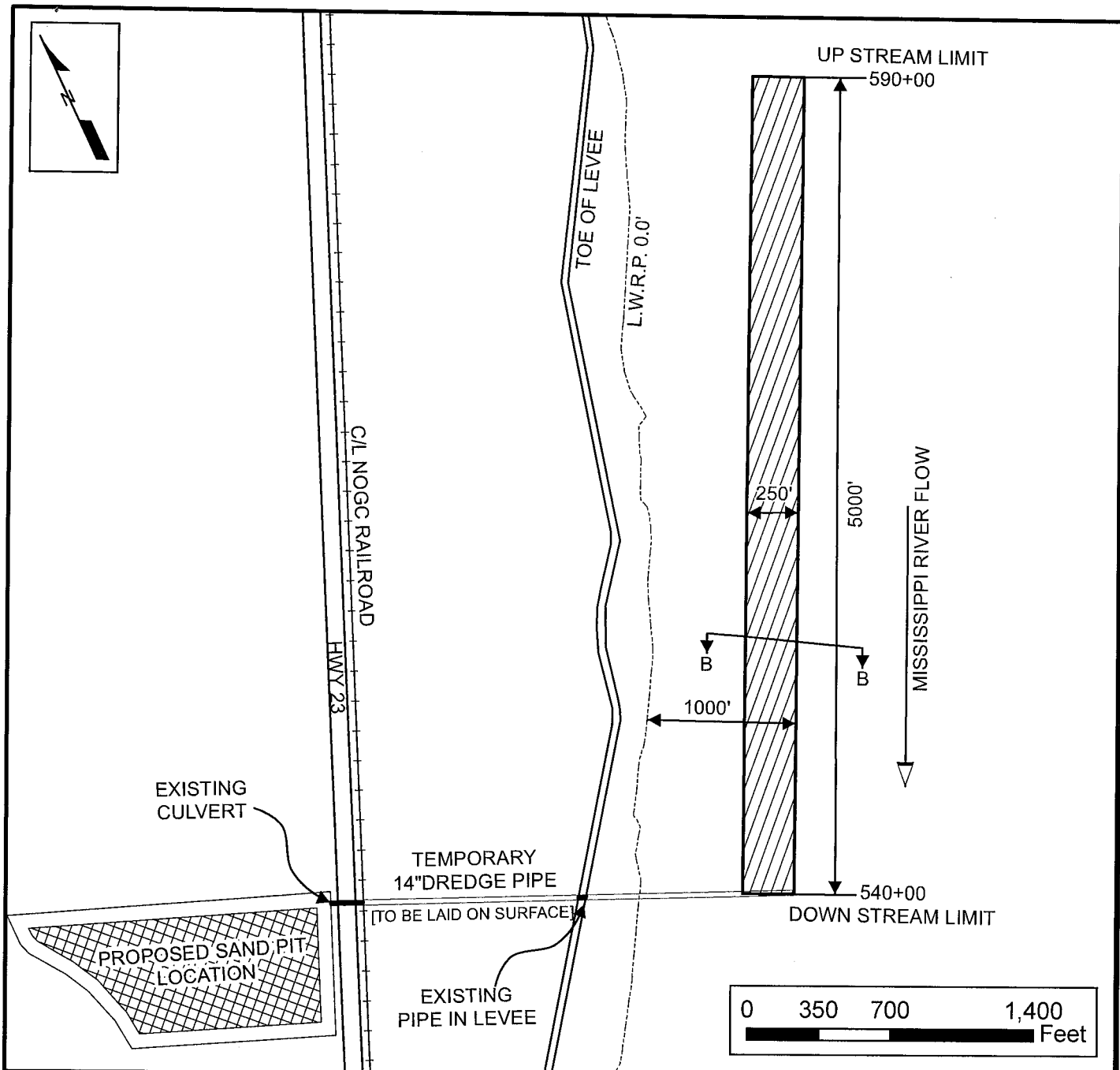
APPROVED BY:

DATE: 6/21/2011

REVISION BY:

JOB NO.: 10914

MAP FILE: 10914_PIT_PLAN.MXD



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SAND DREDGING IN MISSISSIPPI RIVER
PROPOSED DREDGE LOCATION
PLAN VIEW



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DRAWN BY: DSG

SHEET: 3

CHECKED BY: TRR

SCALE: 1" = 700'

APPROVED BY:

DATE: 6/21/2011

REVISION BY:

JOB NO.: 10914

MAP FILE: 10914_DREDGE_PLAN.MXD

3' → | ← 3'

ELEV: +/- 15.00'

PROPOSED SAND PIT AREA

18'

PROPOSED BERM

EXISTING PIT BOTTOM - ELEV: +/- 3.00'

PROPOSED BERM

NATURAL GROUND ELEV: +/- 3.00'

69' 547' 69'

685'

CROSS SECTION "B - B"

MEAN HIGH WATER = 17.85'

C/L LEVEE

290'

L.W.R.P. - 0.0'

750' LIMIT OF DREDGING EQUIPMENT

250' DREDGING AREA

PROJECTED LANDSIDE TOE

1 ON 5

EXISTING MUDLINE

DREDGE DEPTH -100'

WATER LINE

0

(-) 20

(-) 60

(-) 100

500'

1000'

1400'

MEAN HIGH WATER = 17.85'
MEAN LOW WATER = -0.52'
AVERAGE WATER LEVEL = 3.3'

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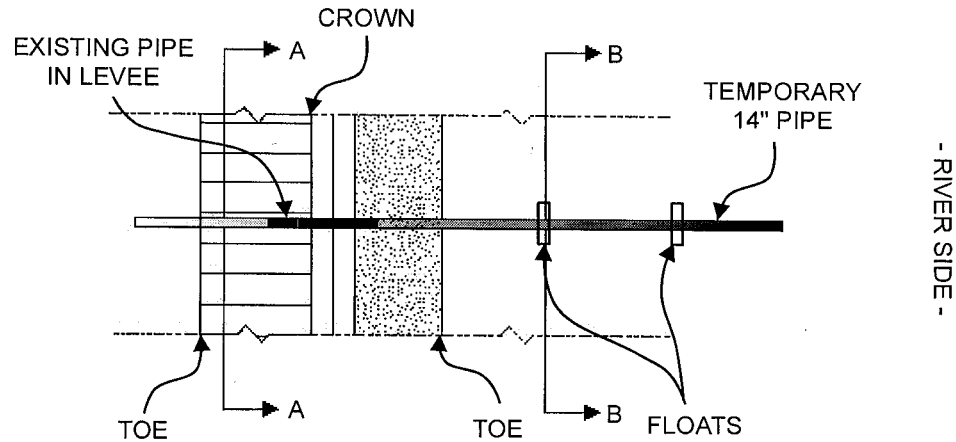
TYPICAL DREDGE PROFILE VIEW



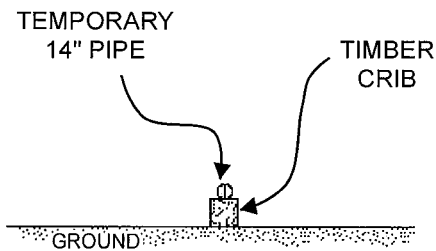
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MAP FILE: 10914 PROFILE.MXD

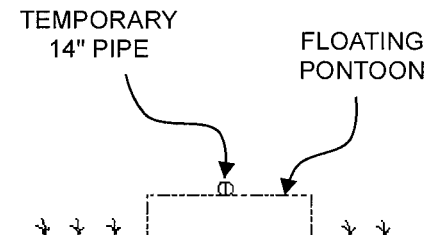
PLAN VIEW PIPELINE LEVEE CROSSING



CROSS SECTION: A - A
LEVEE SLOPE



CROSS SECTION: B - B
BATTURE



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SAND DREDGING IN MISSISSIPPI RIVER

TYPICAL PIPELINE CROSSING LEVEE



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DRAWN BY: DSG	SHEET: 6
CHECKED BY: TRR	SCALE: AS SHOWN
APROVED BY:	DATE: 6/21/2011
REVISION BY:	JOB NO.: 10914
MAP FILE: 10914_LEVEE.MXD	