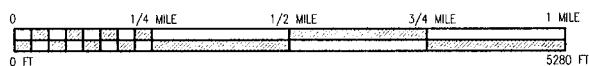


### VICINITY MAP



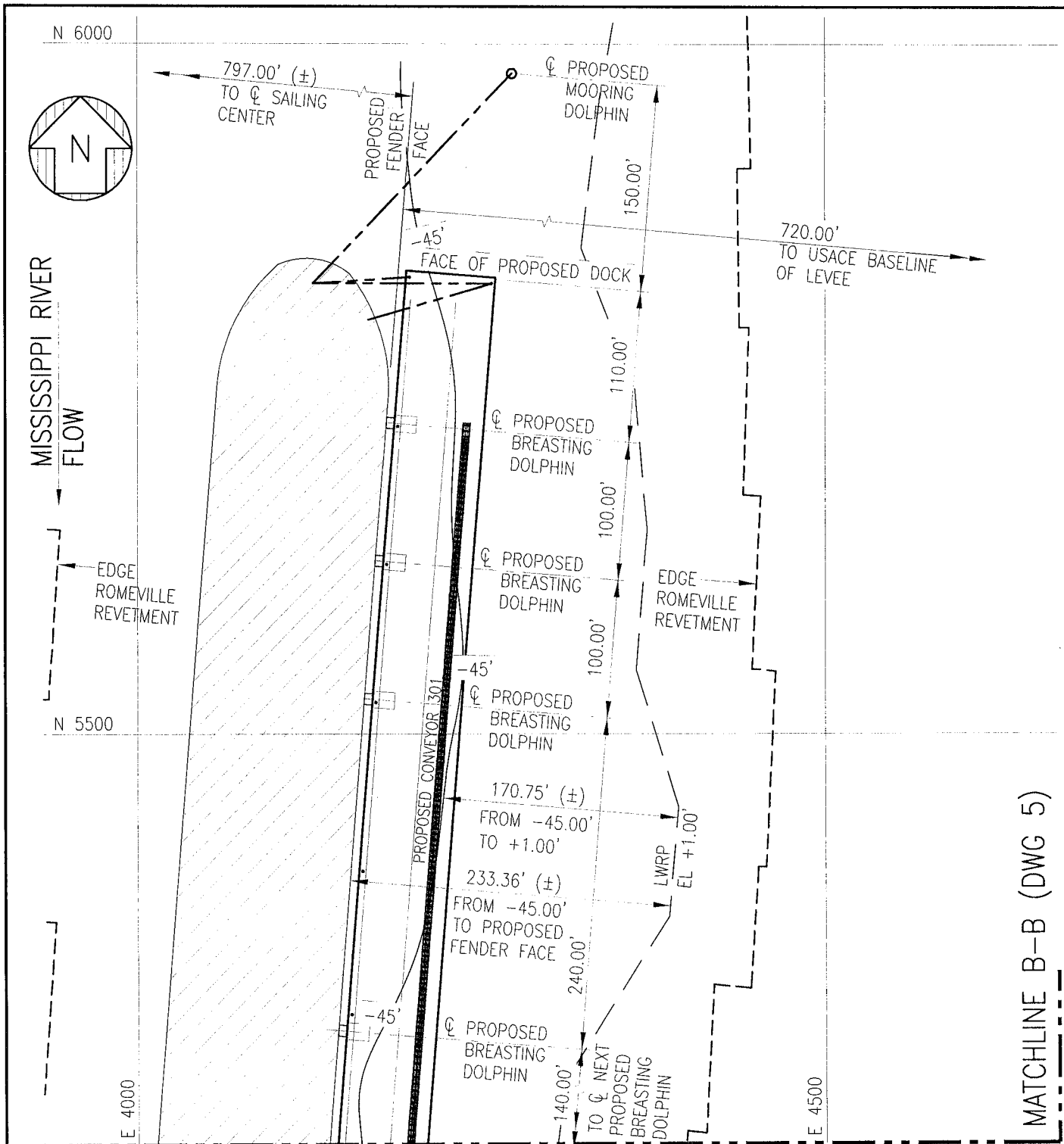
SITE PLAN BASED ON USGS  
QUAD MAP CONVENT  
QUADRANGLE  
CONVENT, LOUISIANA 2009

MOSAIC – UNCLE SAM PLANT  
PROPOSED SHIP DOCK  
VICINITY MAP MISSISSIPPI RIVER 160.4 MILES  
ST JAMES PARISH, LA

**URS**

SCALE NOTED	DWG NO. 1 OF 18	REV. A	DWN OKL	CHK'D	APR'D	JOB 38987942
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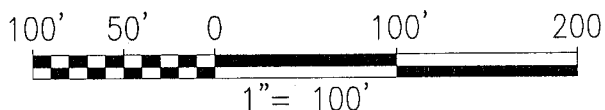




# LEGEND

LWRP = LOW WATER  
REF POINT  
HWRP = HIGH WATER  
REF POINT

## PROJECT PLAN VIEW



MOSAIC - UNCLE SAM PLANT  
PROPOSED SHIP DOCK  
CROSS SECTION & ELEVATION MISSISSIPPI RIVER  
160.4 MILES ST JAMES PARISH, LA

**URS**

SCALE 1" = 100'	DWG NO. 3 OF 18	REV. A	DWN GWL	CHK'D	APR'D	JOB 38987942
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[illegible]



# URS

SCALE 1" = 100'	DWG NO. 5 OF 18	REV. A	DWN GWL	CHK'D	APR'D	JOB 38987942
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MATCHLINE C-C (DWG 5)

## PROJECT PLAN VIEW

N 5500

PROPOSED  
LIGHT POLE  
(TYP)

PROPOSED  
24" Ø CONC  
DRILLED SHAFT  
x 25'-0" DEEP  
(TYP)

PROPOSED  
PILE #2  
60,000 TONS

PROPOSED RAIL

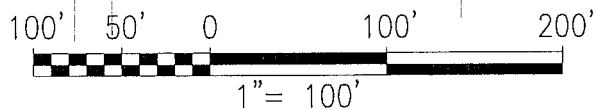
PROPOSED  
RAIL

PROPOSED ROADWAY

PROPOSED ROADWAY

PROPOSED CONVEYOR FOUNDATIONS  
TO BE ON  
TIMBER TIES OR  
CONCRETE TIES

MATCHLINE D-D (DWG 7)



MOSAIC - UNCLE SAM PLANT  
PROPOSED SHIP DOCK  
CROSS SECTION & ELEVATION MISSISSIPPI RIVER  
160.4 MILES ST JAMES PARISH, LA

# URS

SCALE 1" = 100'

DWG NO.

6 OF 18

REV. A

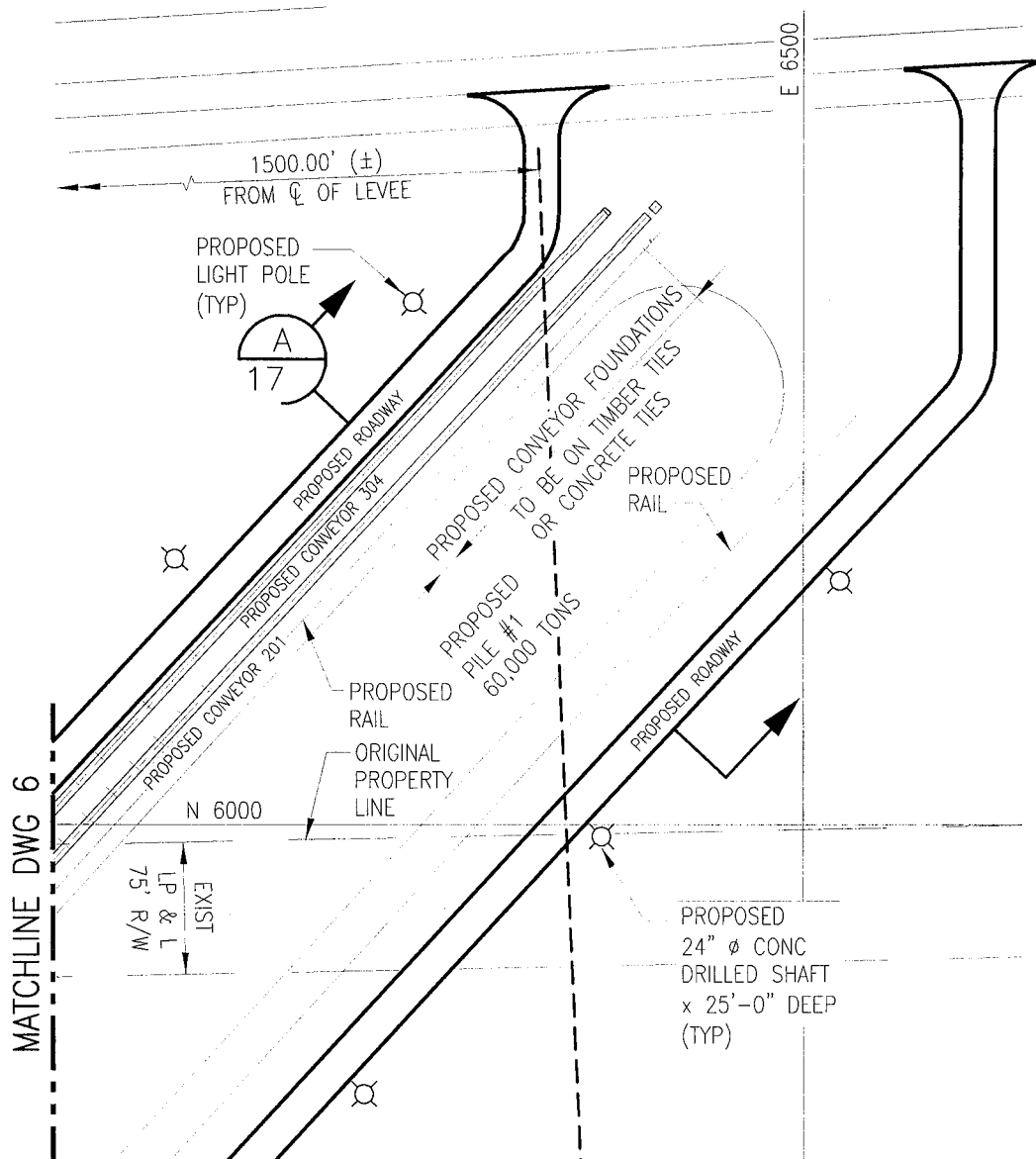
DWN GWL

CHK'D

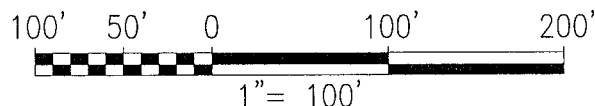
APR'D

JOB 38987942

GENERAL ATISDING NEW WORKING DRAWING, LAINSON'S DRILLING SERVICE PERMIT PLAN 11-18-2011 DWA NUMBER: 10-10 2011 07.23



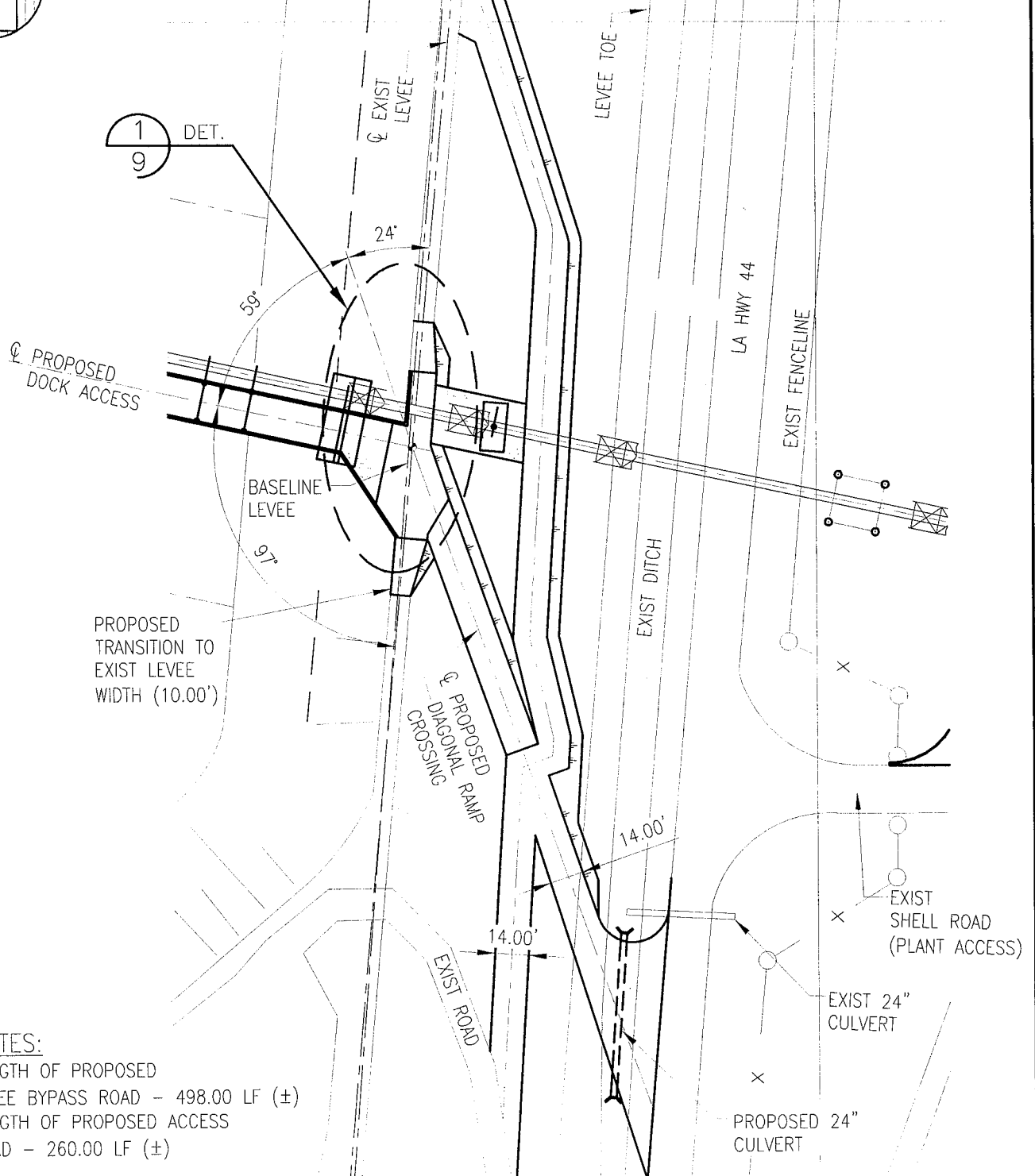
PROJECT PLAN VIEW



MOSAIC - UNCLE SAM PLANT  
PROPOSED SHIP DOCK  
CROSS SECTION & ELEVATION MISSISSIPPI RIVER  
160.4 MILES ST JAMES PARISH, LA

**URS**

SCALE 1" = 100'	DWG NO. 7 OF 18	REV. A	DWN GWL	CHK'D	APR'D	JOB 38987942
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**NOTES:**

LENGTH OF PROPOSED  
LEVEE BYPASS ROAD - 498.00 LF (±)  
LENGTH OF PROPOSED ACCESS  
ROAD - 260.00 LF (±)

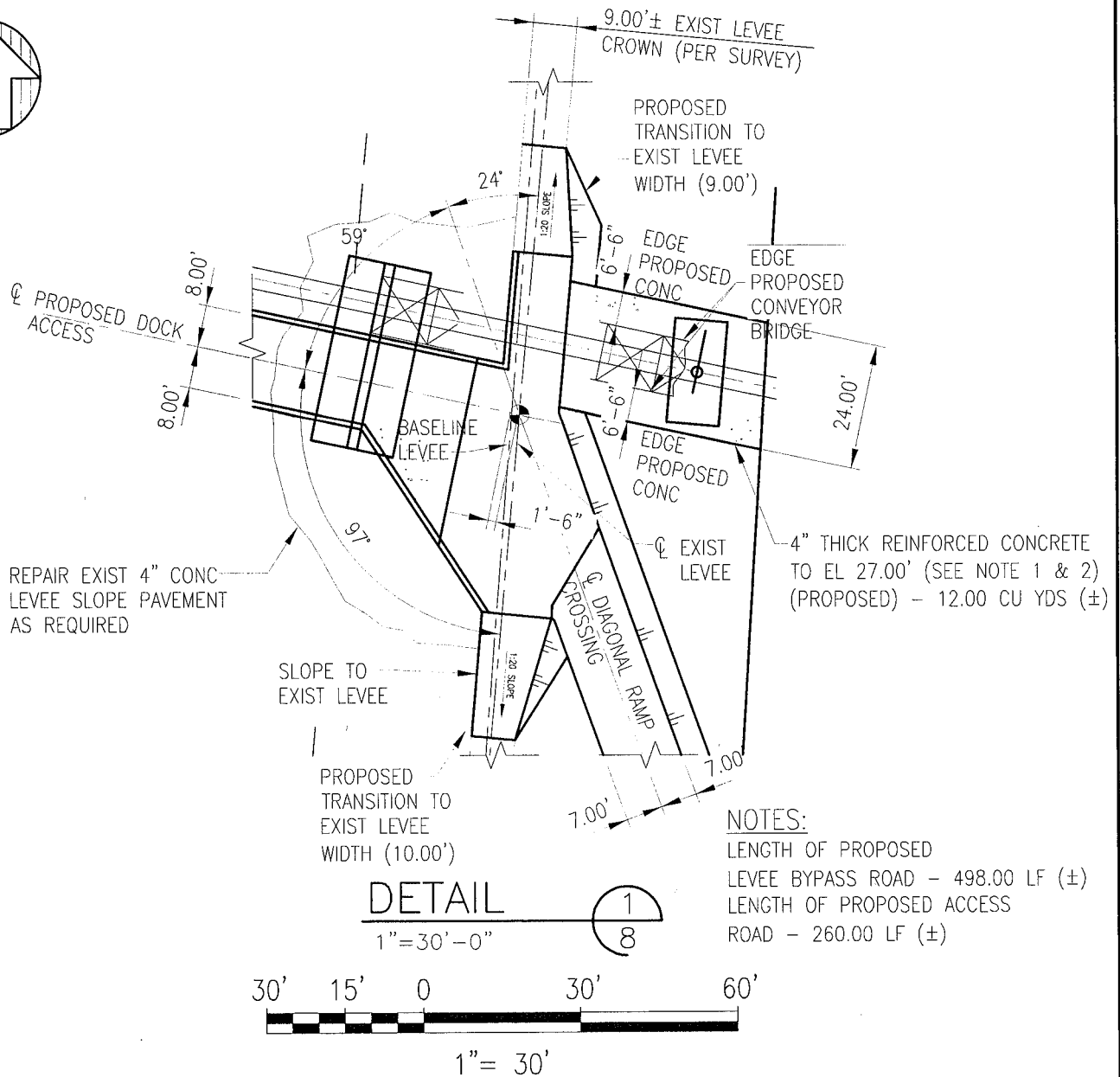
## ENLARGED PLAN - ACCESS ROAD

MOSAIC - UNCLE SAM PLANT  
PROPOSED SHIP DOCK  
ACCESS ROAD ENLARGED PLAN & DETAIL  
160.4 MILES ST JAMES PARISH, LA

**URS**

SCALE 1" = 60'	DWG NO. 8 OF 18	REV. A	DWN GWL	CHK'D	APR'D	JOB 38987942
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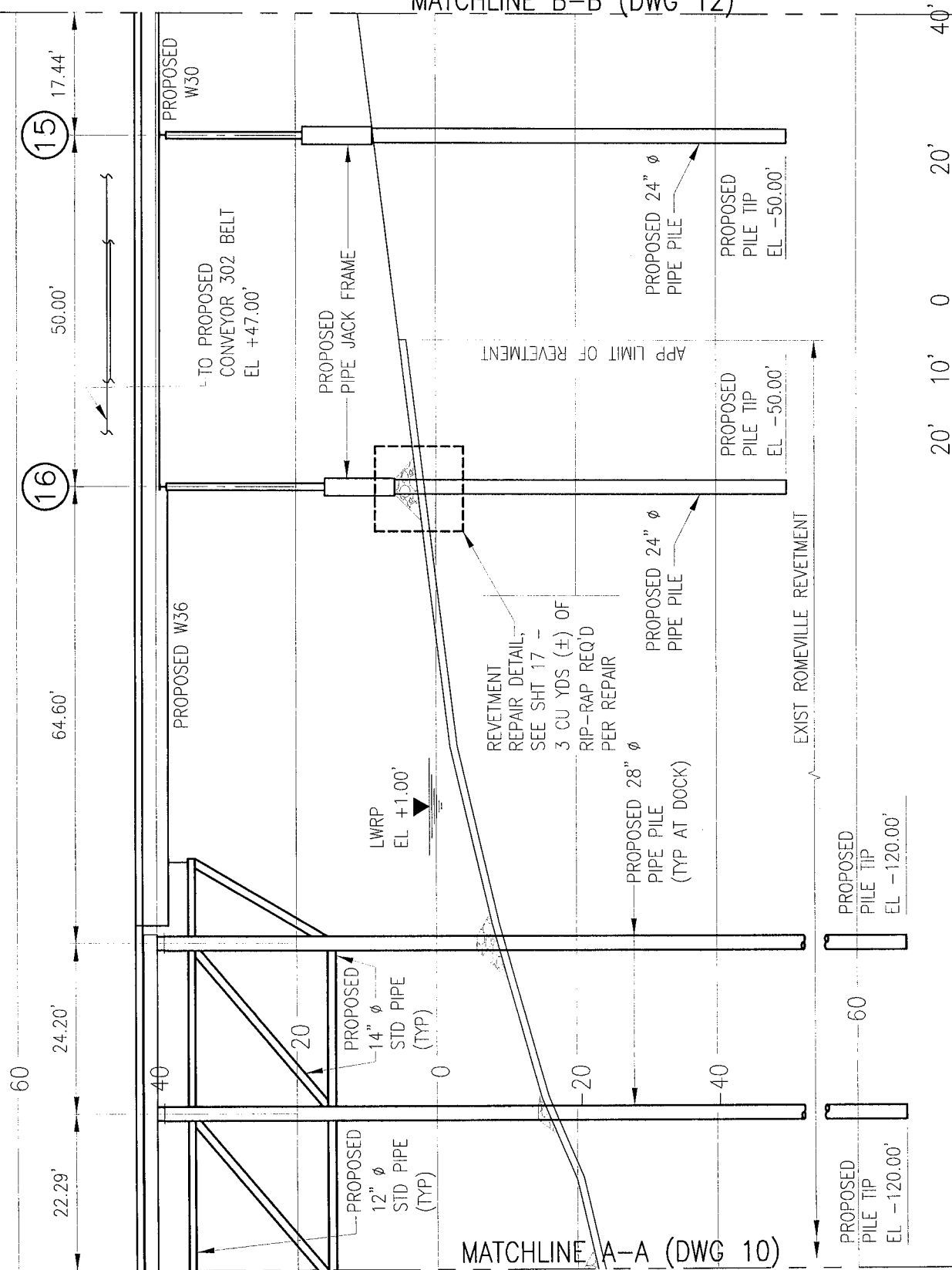
MOSAIC – UNCLE SAM PLANT  
PROPOSED SHIP DOCK  
ACCESS ROAD ENLARGED PLAN & DETAIL  
160.4 MILES ST JAMES PARISH, LA

# URS

SCALE 1" = 30'	DWG NO. 9 OF 18	REV. A	DWN GWL	CHK'D	APR'D	JOB 38987942
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MATCHLINE B-B (DWG 12)



PROJECT PROFILE/ELEVATION

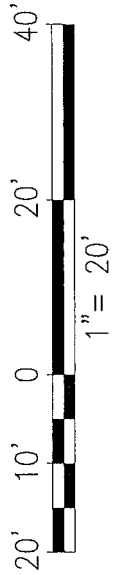
MATCHLINE A-A (DWG 10)

MOSAIC - UNCLE SAM PLANT  
PROPOSED SHIP DOCK  
CROSS SECTION & ELEVATION MISSISSIPPI RIVER  
160.4 MILES ST JAMES PARISH, LA

**URS**

SCALE 1" = 20'	DWG NO. 11 OF 18	REV. A	DWN GWL	CHK'D	APR'D	JOB 38987942
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MATCHLINE C-C (DWG 13)



PROJECT PROFILE/ELEVATION

44.71'

12

50.00'

13

50.00'

14

32.56'

TO PROPOSED ROADWAY EL 43.00'

PROPOSED W30

PROPOSED  
24" Ø  
PIPE PILE

PROPOSED  
PILE TIP  
EL -26.00'

PROPOSED  
PILE TIP  
EL -25.00'

PROPOSED  
24" Ø  
PIPE PILE

PROPOSED  
PILE TIP  
EL -35.00'

MATCHLINE B-B (DWG 11)

MOSAIC - UNCLE SAM PLANT  
PROPOSED SHIP DOCK  
CROSS SECTION & ELEVATION MISSISSIPPI RIVER  
160.4 MILES ST JAMES PARISH, LA

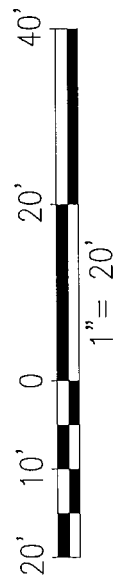
**URS**

SCALE 1" = 20'	DWG NO. 12 OF 18	REV. A	DWN GWL	CHK'D	APR'D	JOB 38987942
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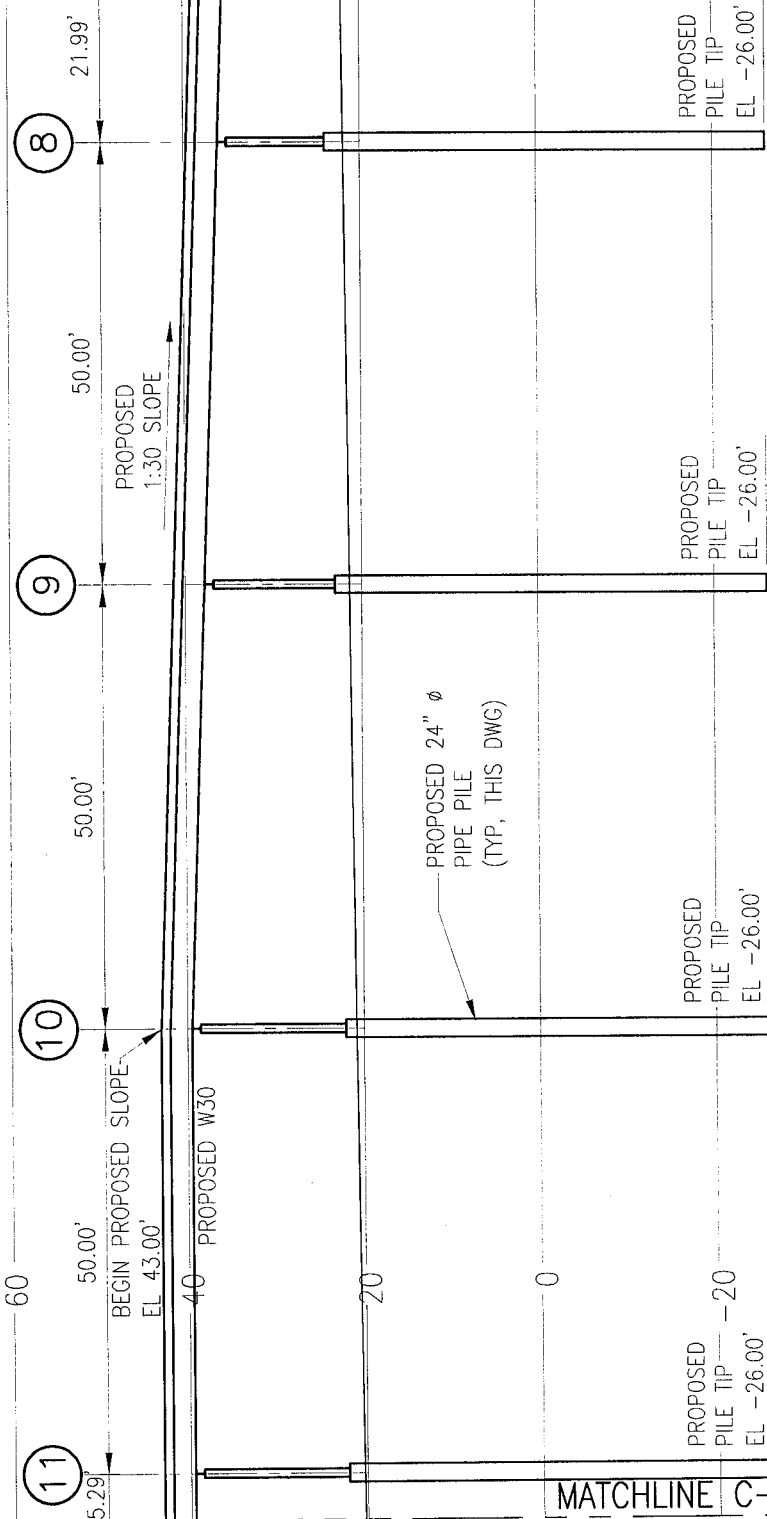
GERARD LANGLOIS C:\FW\WORKING\GERARD\LANGLOIS\DOT11356\A\GE PROFILE.DWG PLOTTED: 12/16/2011 07:26

PE08511

MATCHLINE D-D (DWG 14)



PROJECT PROFILE/ELEVATION



MATCHLINE C-C (DWG 12)

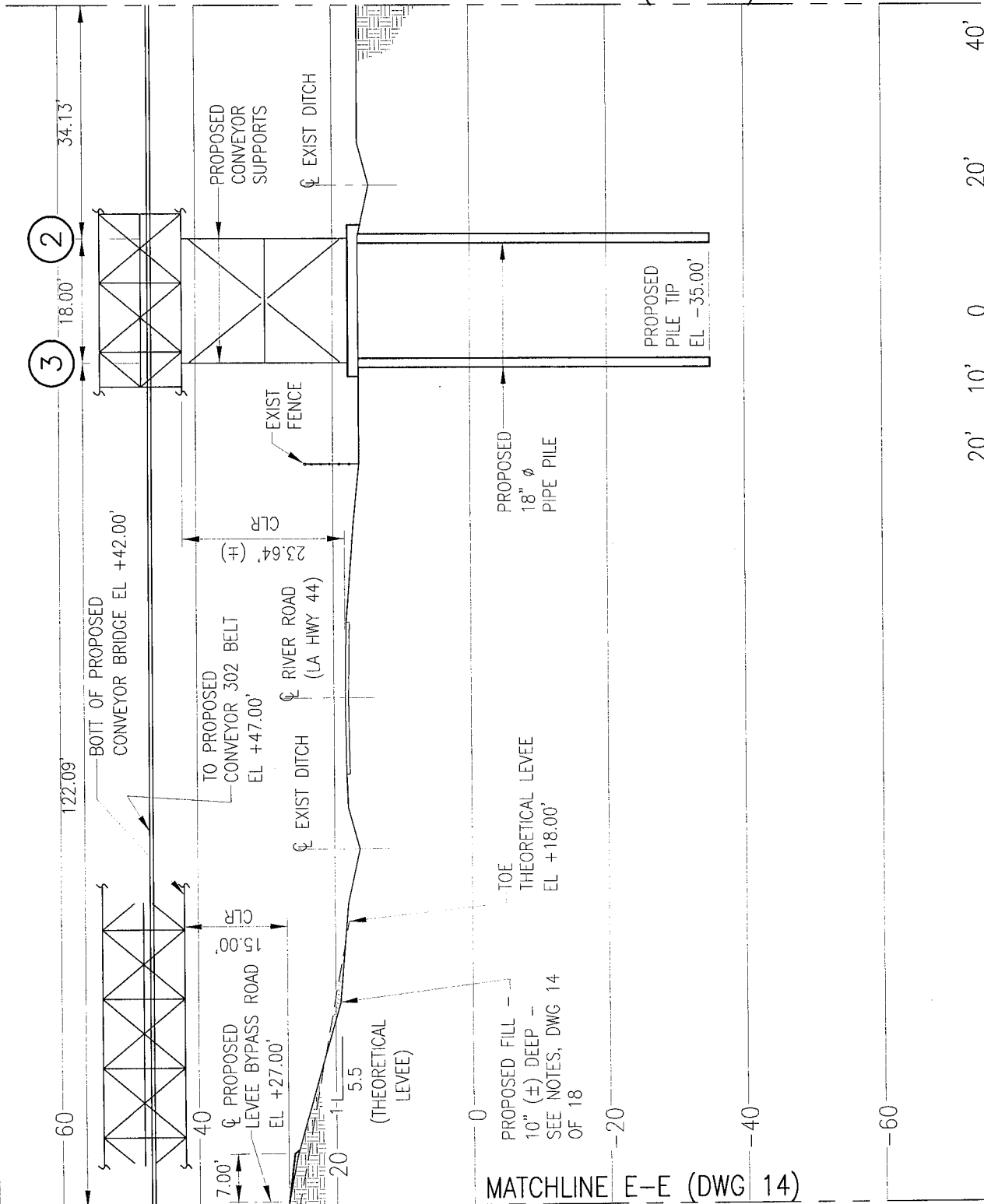
MOSAIC - UNCLE SAM PLANT  
PROPOSED SHIP DOCK  
CROSS SECTION & ELEVATION MISSISSIPPI RIVER  
160.4 MILES ST JAMES PARISH, LA

**URS**

SCALE 1" = 20'	DWG NO. 13 OF 18	REV. A	DWN GWL	CHK'D	APR'D	JOB 38987942
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MATCHLINE F-F (DWG 16)

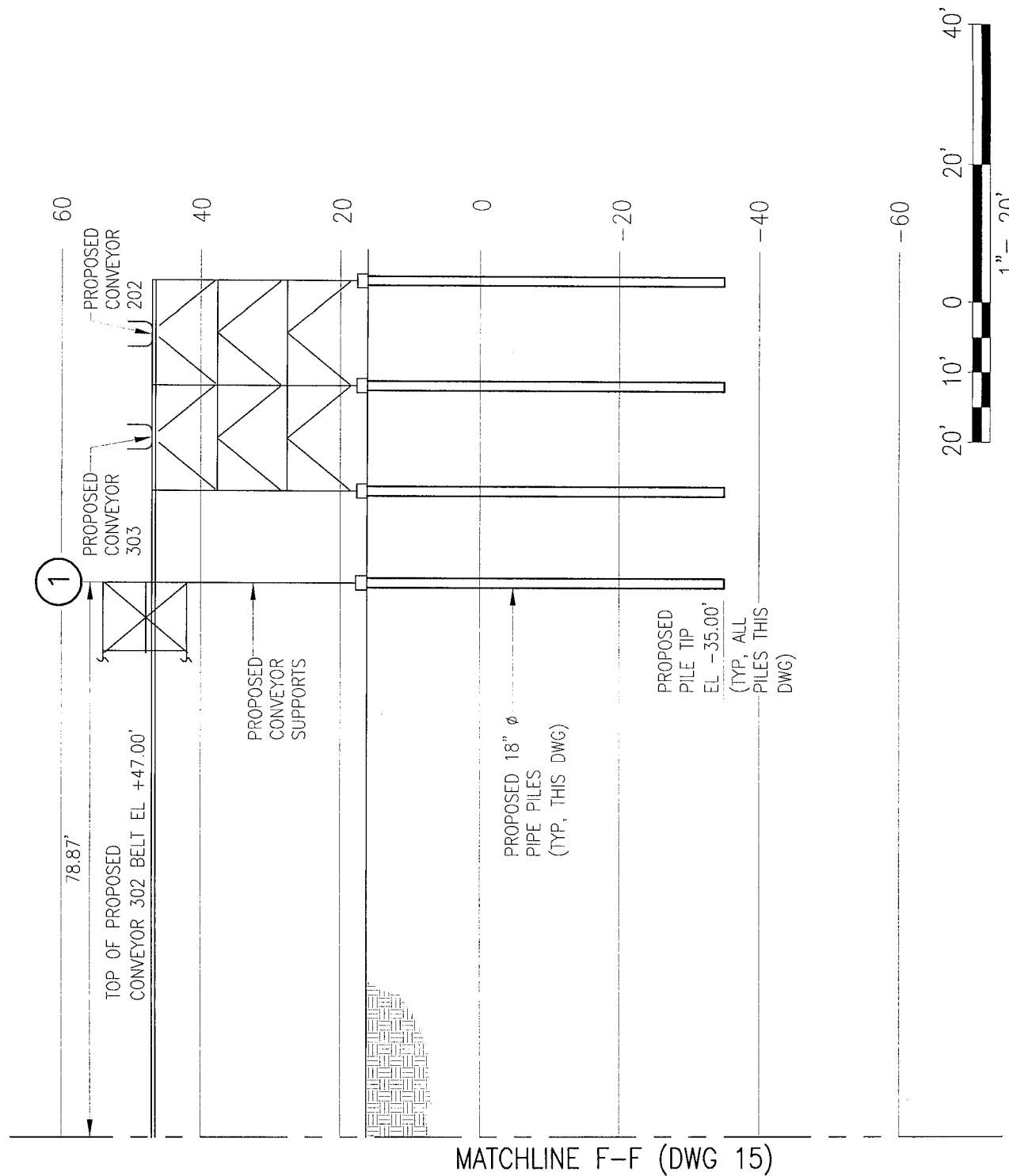


PROJECT PROFILE/ELEVATION

MOSAIC - UNCLE SAM PLANT  
PROPOSED SHIP DOCK  
CROSS SECTION & ELEVATION MISSISSIPPI RIVER  
160.4 MILES ST JAMES PARISH, LA

**URS**

SCALE 1" = 20'	DWG NO. 15 OF 18	REV. A	DWN GWL	CHK'D	APR'D	JOB 389987942
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# PROJECT PROFILE/ELEVATION

MOSAIC — UNCLE SAM PLANT  
PROPOSED SHIP DOCK  
CROSS SECTION & ELEVATION MISSISSIPPI RIVER  
160.4 MILES ST JAMES PARISH, LA

**URS**

SCALE 1" = 20'

DWG NO. 16 OF 18

REV. A

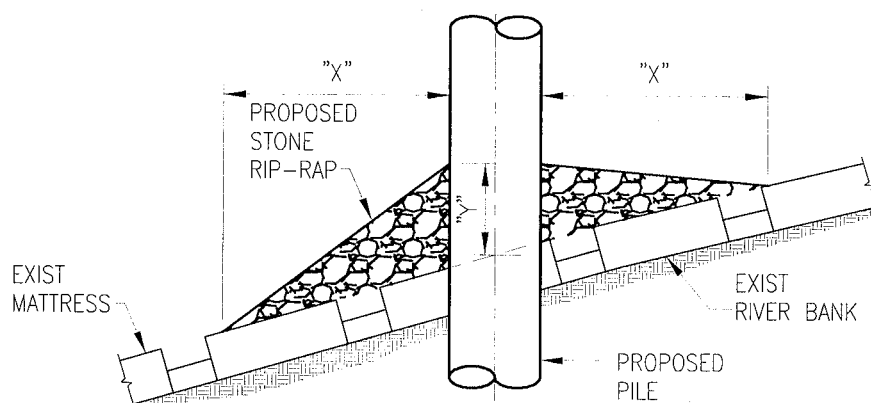
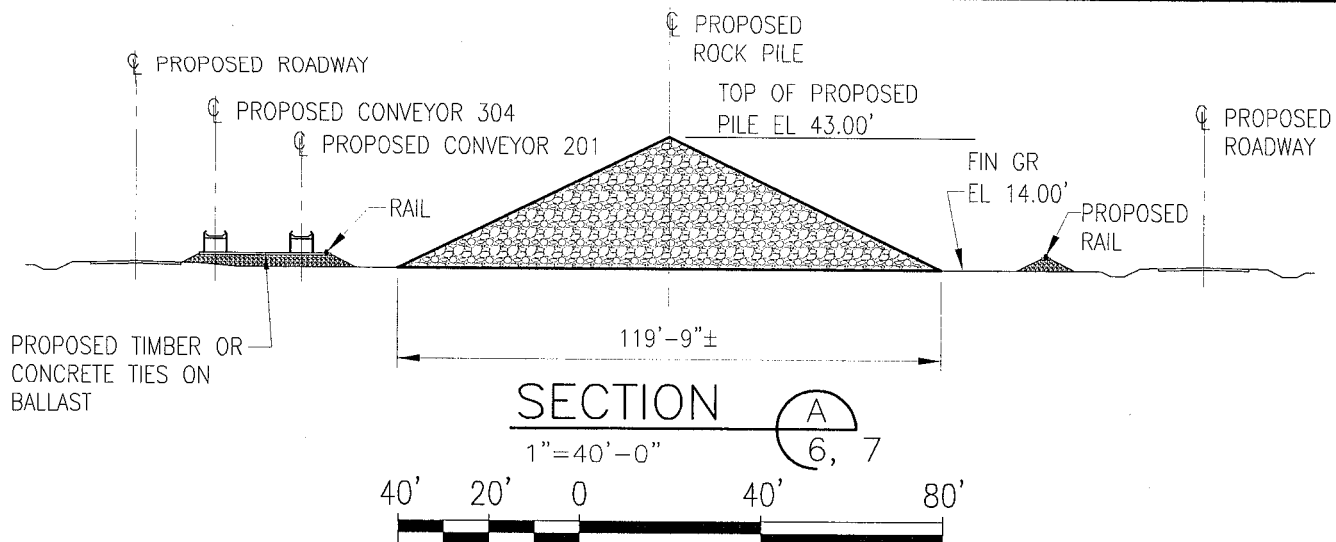
DWN GWL

CHK'D

APR'D

JOB 38987942





## REVETMENT REPAIR DETAIL

NTS SHTS 10, 11

REVETMENT REPAIR SCHEDULE						
DEPTH OF WATER IN FEET AT POINT OF PILE PENETRATION	DIMENSION IN FEET		APPROX TONS OF STONE REQUIRED			
	"X"	"Y"	12" TO 14" PILE	18" TO 24" PILE	28" TO 36" PILE	42" AND ABOVE
0 TO 10	3	1 1/2	2	2.5	3	4
11 TO 40	5	2	7	7	9	10
41 TO 60	8	3	22	23	26	30
61 TO 100	12	4	57	63	69	76

### REVETMENT REPAIR NOTES:

1. SIZE OF RIP-RAP TO VARY BETWEEN 6 LBS AND 125 LBS WITH 40% TO 60% OF THE STONE WITHIN THE RANGE OF 25 LBS TO 75 LBS
2. RIP-RAP 10 INCHES THICK SHALL BE PLACED AROUND THE DISTURBED AREA OF ANY PILING DRIVEN THROUGH THE UPPER BANK PAVING
3. A TOTAL OF 582 CU YDS (±) OF RIP-RAP SHALL BE REQUIRED RE: REVETMENT REPAIR FOR THIS PROJECT

MOSAIC - UNCLE SAM PLANT  
PROPOSED SHIP DOCK  
CROSS SECTION & ELEVATION MISSISSIPPI RIVER  
160.4 MILES ST JAMES PARISH, LA

**URS**

SCALE NOTED DWG NO. 17 OF 18 REV. A DWN GWL CHK'D APR'D JOB 38987942

## NOTES

1. AS-BUILT DRAWINGS AND/OR PLATS SHALL HAVE WRITTEN ON THEM THE DATE OF COMPLETION OF SAID ACTIVITIES AND SHALL BE SUBMITTED TO THE LOUISIANA DEPARTMENT OF NATURAL RESOURCES, OFFICE OF COASTAL MANAGEMENT, P.O. BOX 44487, BATON ROUGE, LOUISIANA, 70804-4487 WITHIN 30 DAYS OF PROJECT COMPLETION.
2. ALL STRUCTURES, FACILITIES, WELL AND PIPELINES/FLOWLINES OCCURRING IN OPEN WATER AREAS OR IN OILFIELD CANALS OR SLIPS SHALL BE REMOVED WITHIN 120 DAYS OF ABANDONMENT OR THE FACILITIES FOR THE HEREIN PERMITTED USE UNLESS PRIOR WRITTEN APPROVAL TO LEAVE SUCH STRUCTURES IN PLACE IS RECEIVED FROM THE COASTAL MANAGEMENT DIVISION. THIS CONDITION DOES NOT PRECLUDE THE NECESSITY FOR REVISING THE CURRENT PERMIT OR OBTAINING A SEPARATE COASTAL USE PERMIT SHOULD ONE BE REQUIRED.
3. STRUCTURES SHALL BE MARKED/LIGHTED IN ACCORDANCE WITH U.S. COAST GUARD REGULATIONS.
4. IN ORDER TO ENSURE THE SAFETY OF ALL PARTIES, THE PERMITTEE SHALL CONTACT THE LOUISIANA ONE CALL SYSTEM (1-800-272-3020) A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION (DIGGING, DREDGING, JETTING, ETC.) OR DEMOLITION ACTIVITY.
5. LEVEE ROAD SHALL BE 610 ROAD BASE MIX (180 CUBIC YARDS REQUIRED).
6. FILL MATERIAL FOR LEVEE SHALL BE SELECTED EARTH FILL (1050 CUBIC YARDS REQUIRED).
7. FILL MATERIAL - COHESIVE SOILS
  - A. EMBANKMENTS WILL BE CONSTRUCTED OF EARTH MATERIALS NATURALLY OCCURRING OR CONTRACTOR BLENDED. MATERIALS CLASSIFIED IN ACCORDANCE WITH ASTM D 2487 AS CL OR CH WITH LESS THAN 35% SAND CONTENT ARE SUITABLE FOR USE AS EMBANKMENT FILL. MATERIALS CLASSIFIED AS ML ARE SUITABLE IF BLENDED TO PRODUCE A MATERIAL THAT CLASSIFIES AS CH OR CL ACCORDING TO ASTM D 2487.
  - B. ALL FILL MATERIALS WILL BE FREE FROM MASSES OF ORGANIC MATTER, STICKS, BRANCHES, ROOTS, AND OTHER DEBRIS, INCLUDING HAZARDOUS AND REGULATED SOLID WASTES. AS EARTH FROM THE DESIGNATED EXCAVATION AREAS MAY NOT BE CONSIDERED OBJECTIONABLE IN THE EMBANKMENT PROVIDED THEIR LENGTH DOES NOT EXCEED 1 FOOT, THEIR CROSS-SECTIONAL AREA IS LESS THAN 4 SQUARE INCHES, AND THEY ARE DISTRIBUTED THROUGHOUT THE FILL. NOT MORE THAN 1% (BY VOLUME) OF OBJECTIONABLE MATERIAL SHALL BE CONTAINED IN THE EARTH MATERIAL PLACED IN EACH CUBIC YARD OF THE LEVEE SECTION. POCKETS AND/OR ZONES OF WOOD SHALL NOT BE PLACED IN THE EMBANKMENT.
  - C. MATERIALS PLACED IN THE SECTION WILL BE AT OR ABOVE THE PLASTICITY INDEX OF 10. AS A PRECAUTION, CONTRACTORS SHALL NOTIFY THE INSPECTOR WHENEVER THE IN-PLACE PLASTICITY INDEX OF THE MATERIAL IS 15 OR LESS.
  - D. MATERIALS PLACED IN THE SECTION WILL BE AT OR BELOW AN ORGANIC CONTENT OF 9% BY WEIGHT, AS DETERMINED BY ASTM D 2974, METHOD C.

MOSAIC - UNCLE SAM PLANT  
PROPOSED SHIP DOCK  
NOTES  
160.4 MILES ST JAMES PARISH, LA

**URS**

SCALE	NONE	DWG NO.	18 OF 18	REV.	A	DWN	GWL	CHK'D	APPD	JOB	38987942
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