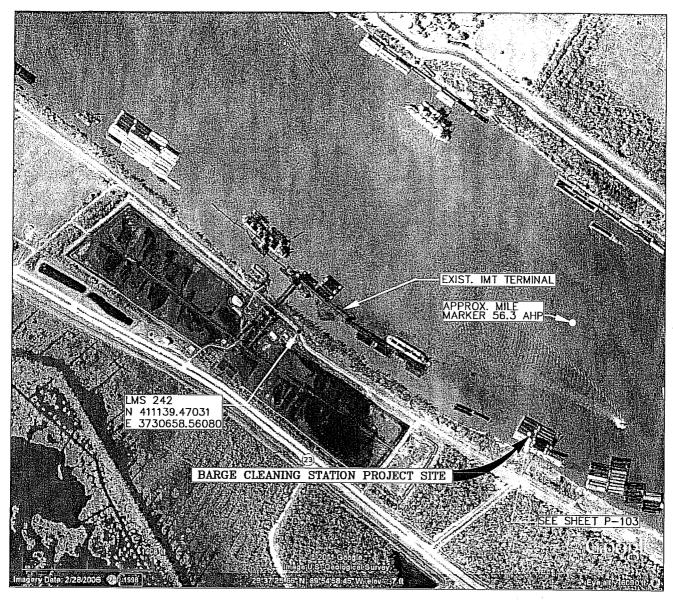


APPROVAL	DATE	KINDER MORCAR TERMINALS
DESIGN HPR	09/14/11	BARGE CLEANING STATION  IMT TERMINAL POSTS SULPHUR A
CHECK HPR	09/14/11	VICTO 100
DRAFT TMP	09/14/11	JOB NO. 5358 001 DWG NO. P-101



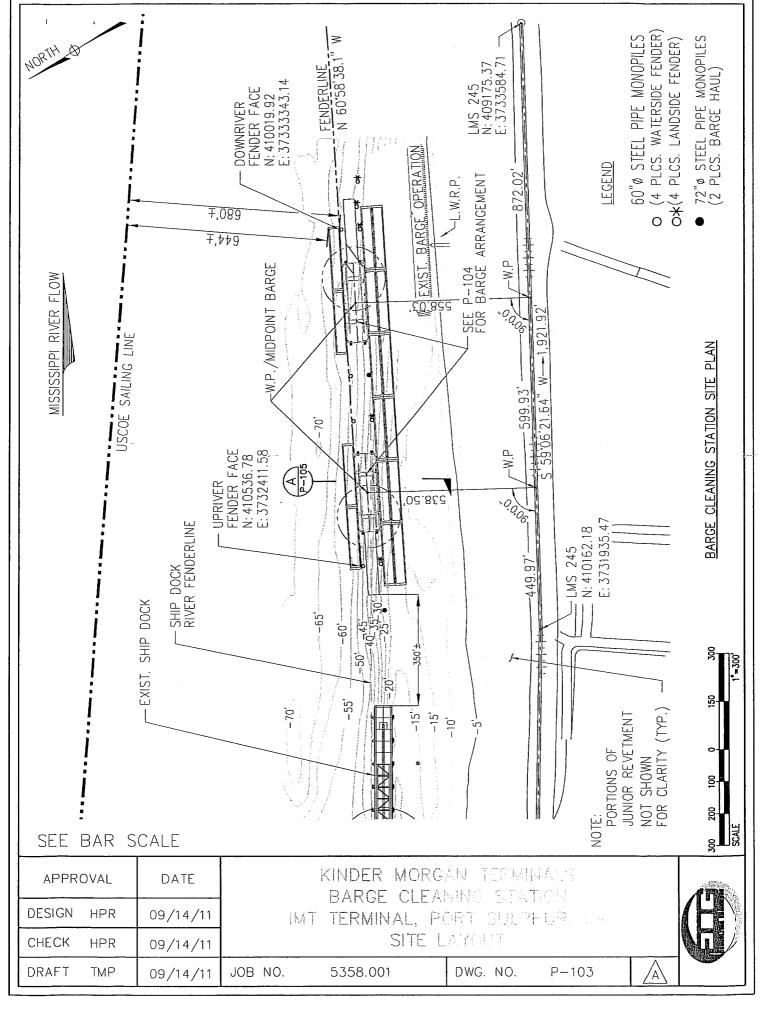


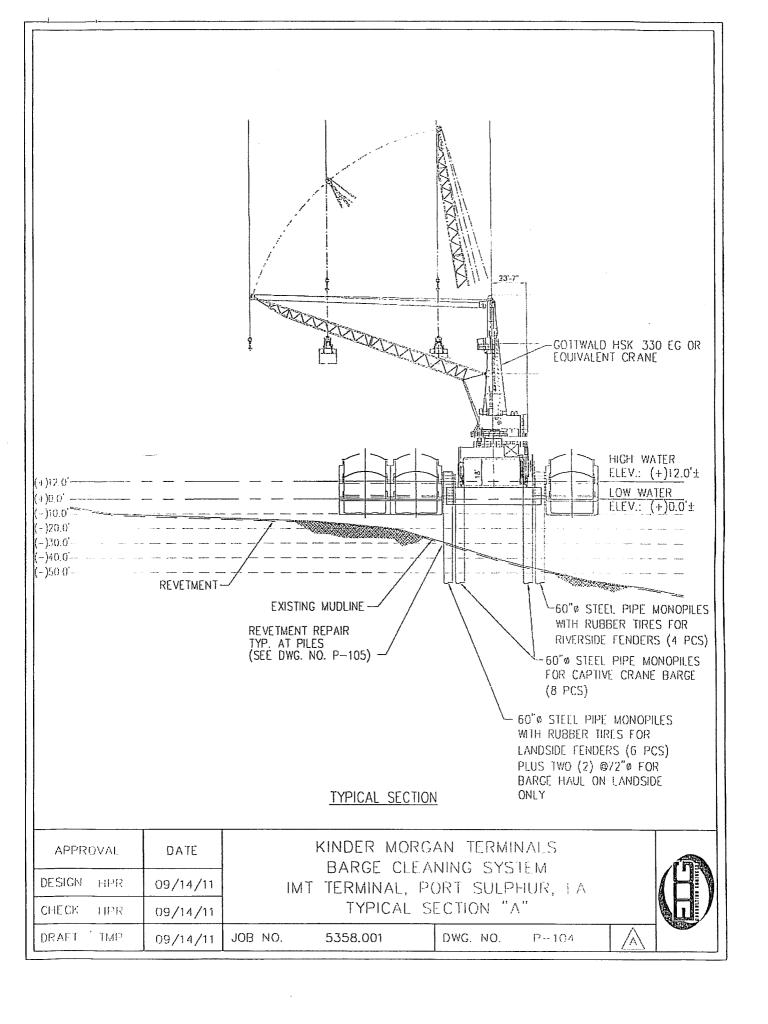
PROJECT SITE LOCATION N 410247.69 E 3732860.34 LAT 29'37'13.36" LONG 89'54'38.39"

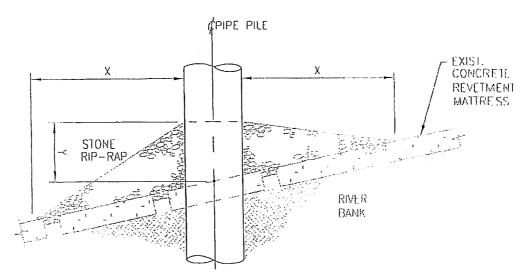
### SEE BAR SCALE

APPROVAL	DATE	TALL CONTRACTOR OF THE STATE OF					
DESIGN HPR	09/14/11						
CHECK HPR	09/14/11						
DRAFT TMP	09/14/11	JOB NO.	5358.001	DWG. NO.	P-102	A	









# STANDARD REVETMENT REPAIR DETAIL N.T.S.

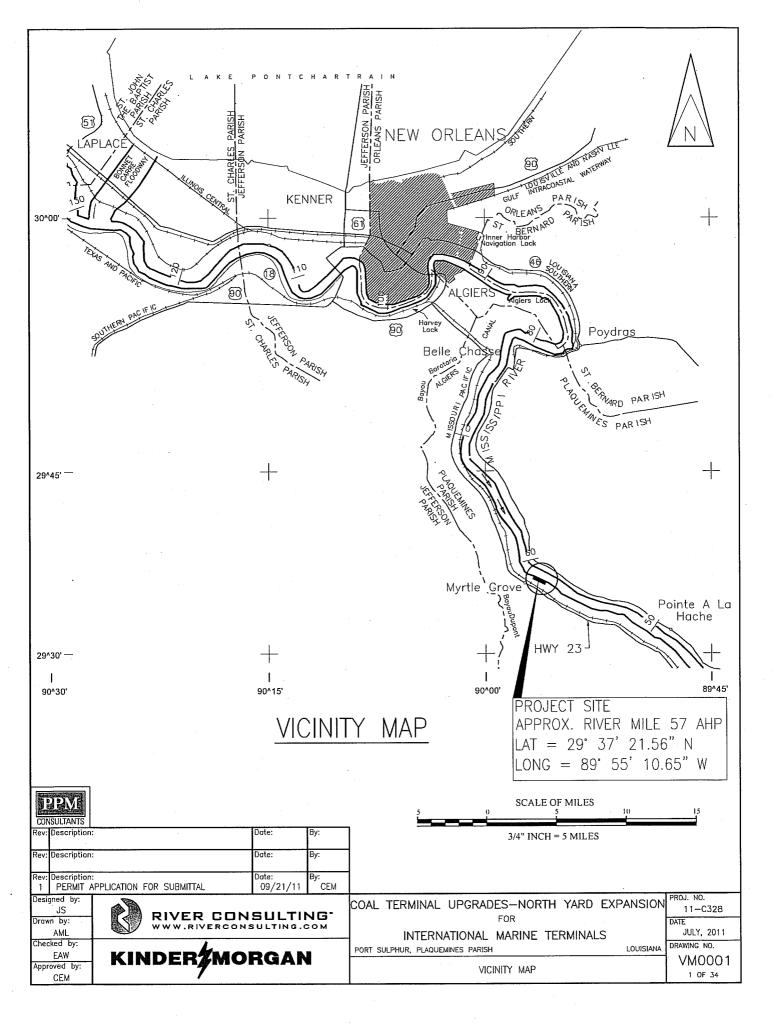
(FOR PILING DRIVEN THROUGH REVETMENT)

# NOTES:

1. SIZE OF RIP-RAP TO VARY BETWEEN 6 POUNDS AND 125 POUNDS WITH 40% TO 60% OF THE STONE WITHIN THE RANGE OF 25 POUNDS TO 75 POUNDS.

DEPTH OF WATER IN FEET AT POINT OF	1 11 555		APPROXIMATE TONS OF STONE
PILE PENETRATION	Х	Υ	REQUIRED
0 TO 10	3	1.5	1.5
11 TO 40	5	2	6.5
41 TO 60	8	3	22
61 TO 100	12	4	57

APPROVAL	DATE		KINDER MORG BARGE CLEA				16
DESIGN HPR	09/14/11	] IM	T TERMINAL, P				/H
CHECK HPR	09/14/11	STA	NDARD REVETM	ENT REPA	MR DUTAIL		回
DRAFT TMP	09/14/11	JOB NO.	5358.001	DWG. NO.	P-105	$\wedge$	



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Rev:	Description:	Date:	Ву:				
Rev: 2	Description: REVISED PIPE LEVEE CROSSING	Date: 10/24/11	By: CEM				
Rev:	Description: PERMIT APPLICATION FOR SUBMITTAL	Date: 09/21/11	By: CEM				
Desi	anad but						

JS

Drawn by AML

Checked by EAW roved by CEM

KINDER#MORGAN

RIVER CONSULTING

COAL TERMINAL UPGRADES—NORTH YARD EXPANSION

INTERNATIONAL MARINE TERMINALS

PORT SULPHUR, PLAQUEMINES PARISH

LOUISIANA

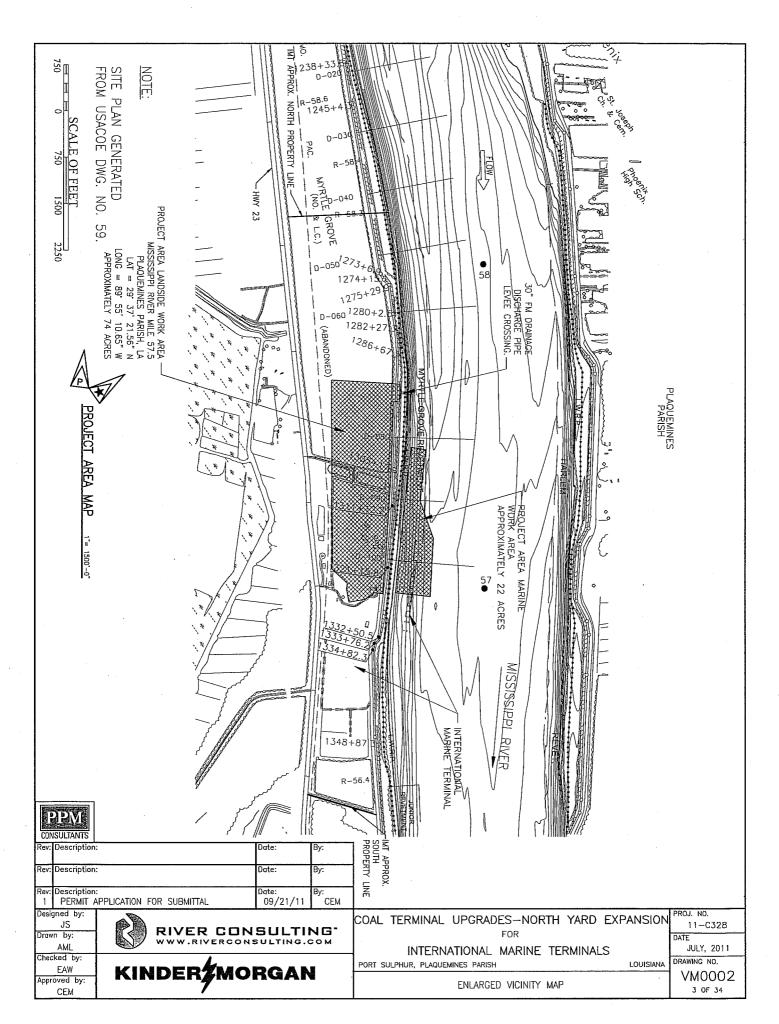
11-C328 JULY, 2011

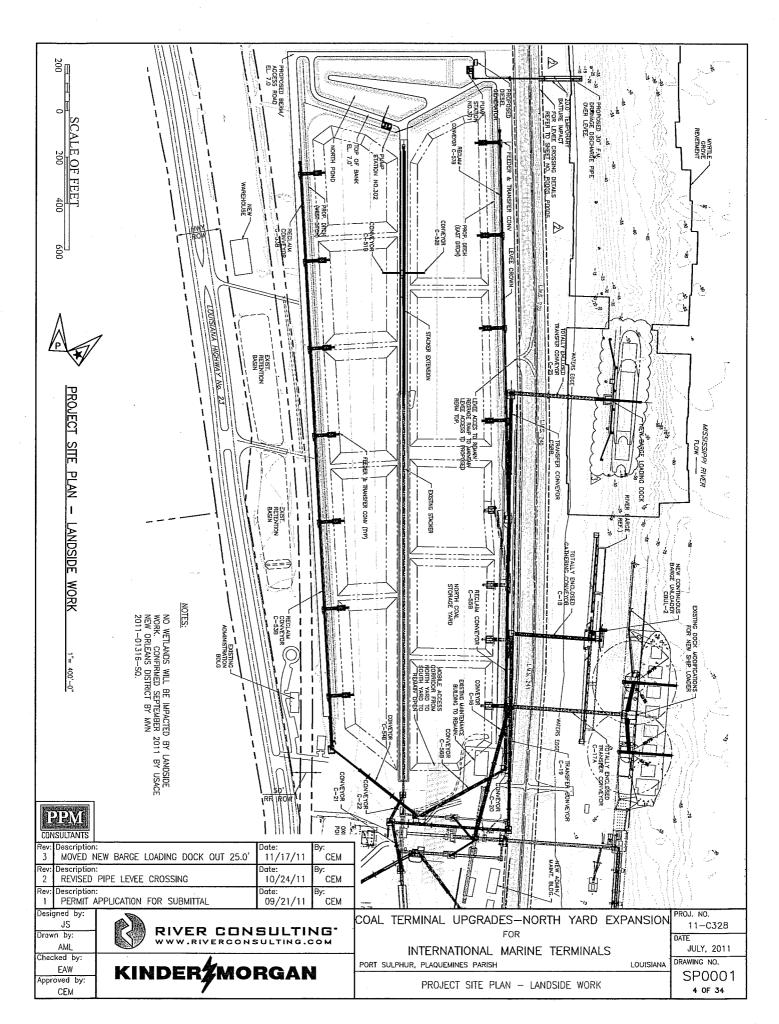
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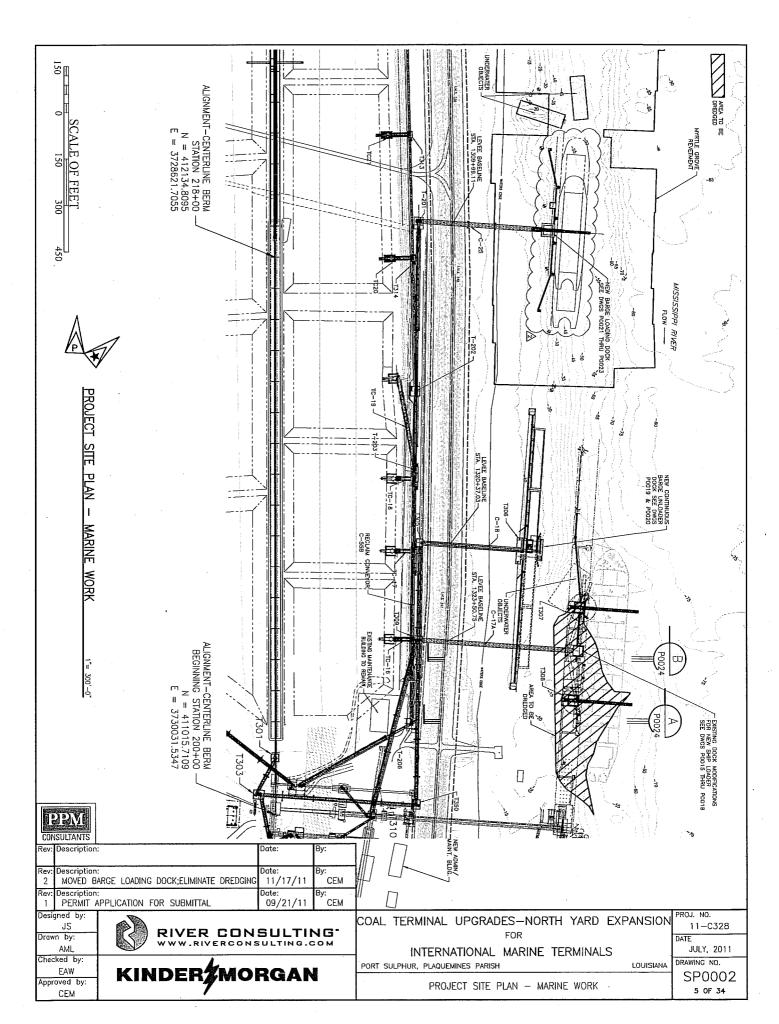
DRAWING NO. INDEX

DRAWING INDEX

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		cy ,	VARIOUS	ALL	TOTAL FILL
			: [		3
MISC. EROSION CONTROL	100	cY	ROCK RIP-RAP	LANDSIDE	В-8
MATERIAL (ITEM A-2)	550	СҮ	MATERIAL	(BATTURE)	B-7
BACKFILL TRENCH WITH EXCAVATED			EXCAVATED	RIVER SIDE	
FOUNDATIONS	3,500	cy C	CONCRETE	LANDSIDE	в-6
STORAGE PAD	86,000	CY.	SOIL CEMENT	LANDSIDE	в 5
HAULED IN	76,500	악	AGGREGATE	LANDSIDE	B-4
(SEE NOTE 3)	458,500	CY	RIVER SAND	LANDSIDE	B-ა
HAULED IN FOR SURCHARGE MATERIAL					
(SEE NOTE 4) /2	10,000	ĊΥ	MATERIAL	LANDSIDE	₽-1
MATERIAL ON SITE (FROM ITEM A-1)	2	-	EXCAVATED		
REDISTRIBUTE USABLE EXCAVATED					
COMMENTS	QUANTITY	UNIT	TYPE	LOCATION	ITEM
	KDOWN (SEE NO:	- FILL QUANTITY BREAKDOWN (SEE NOTE 1)	TABLE B - FILL		
	81,545	СУ	GENERAL	ALL	TOTAL EXCAVATION
	1		( (	; ; ;	
DOCK (SEE NOTE 2)	21.995	CY	DREDGING	RIVERSIDE	Δ_3
FOR VESSEL DRAFT & SHIP LOADER	550	CY	GENERAL	(BATTURE)	A-2
				RIVER SIDE	
INCLUDES FOUNDATION EXCAVATION	59,000	СҮ	GENERAL	LANDSIDE	A-1
COMMENTS	QUANTITY	UNIT	TYPE	LOCATION	ITEM
NOTE 1)	REAKDOWN (SEE	ION QUANTITY B	ABLE A - EXCAVATION QUANTITY BREAKDOWN (SEE NOTE 1)	7/	

ł			
Rev:	Description: REMOVED ITEM A-4-DREDGING FOR BARGE LOADER DOCK	Date: 11/17/11	By: CEM
Rev:	Description: REVISED PIPE LEVEE CROSSING	Date: 10/24/11	By: CEM
Rev:	Description: REVISED PER USACE COMMENT	Date: 10/14/11	By: JAS
Rev:	Description: PERMIT APPLICATION FOR SUBMITTAL	Date; 09/21/11	By: CEM
Desi	gned by:		

NOTES

JS Drawn by: AML ked by EAW Approved by:

CEM

(4) ALL EXCESS UNSUITABLE MATERIAL IS TO BE HAULED OFF-SITE SHALL BE PROPERLY DISPOSED OF IN

NON-WETLANDS AREAS

DREDGED MATERIAL TO BE DISPOSED OF OFF-SITE AND SHALL BE PROPERLY DISPOSED OF IN EXCAVATION, DREDGE, FILL AND SURCHARGE QUANTITIES ARE NET IN-PLACE QUANTITIES

AFTER SURCHARGE PERIOD, EXCESS HAULED-IN RIVERSAND SURCHARGE MATERIAL /2

(APPROXIMATELY 178,346 CY) IS TO BE SOLD OR GIVEN TO OTHERS

APPROXIMATELY 280,154 CY TO BE LEFT IN-PLACE.

NON-WETLANDS AREAS.

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KINDER#MORGAN

PROJ. NO. COAL TERMINAL UPGRADES—NORTH YARD EXPANSION FOR

INTERNATIONAL MARINE TERMINALS PORT SULPHUR, PLAQUEMINES PARISH

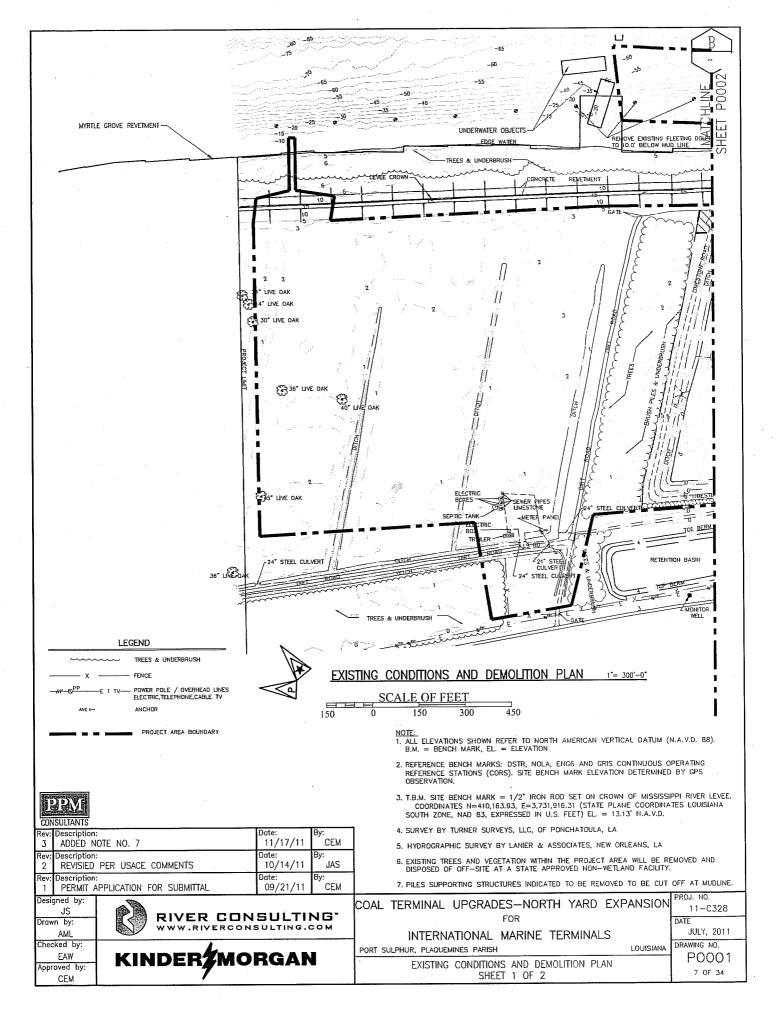
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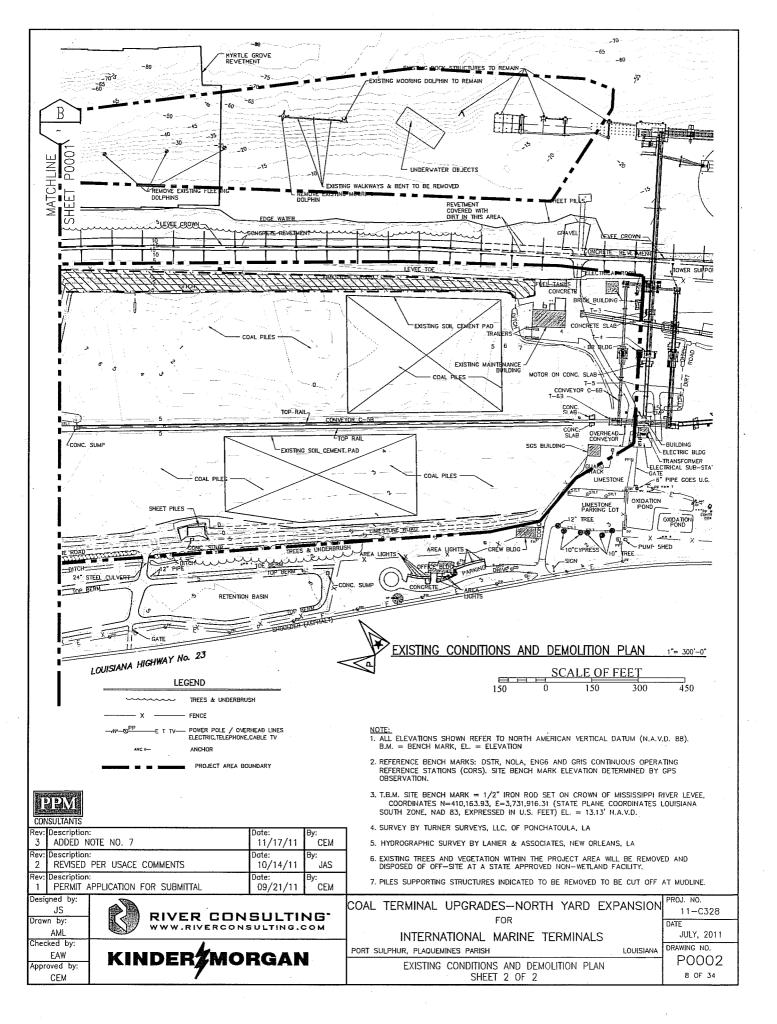
JULY, 2011 DRAWING NO. GN0001

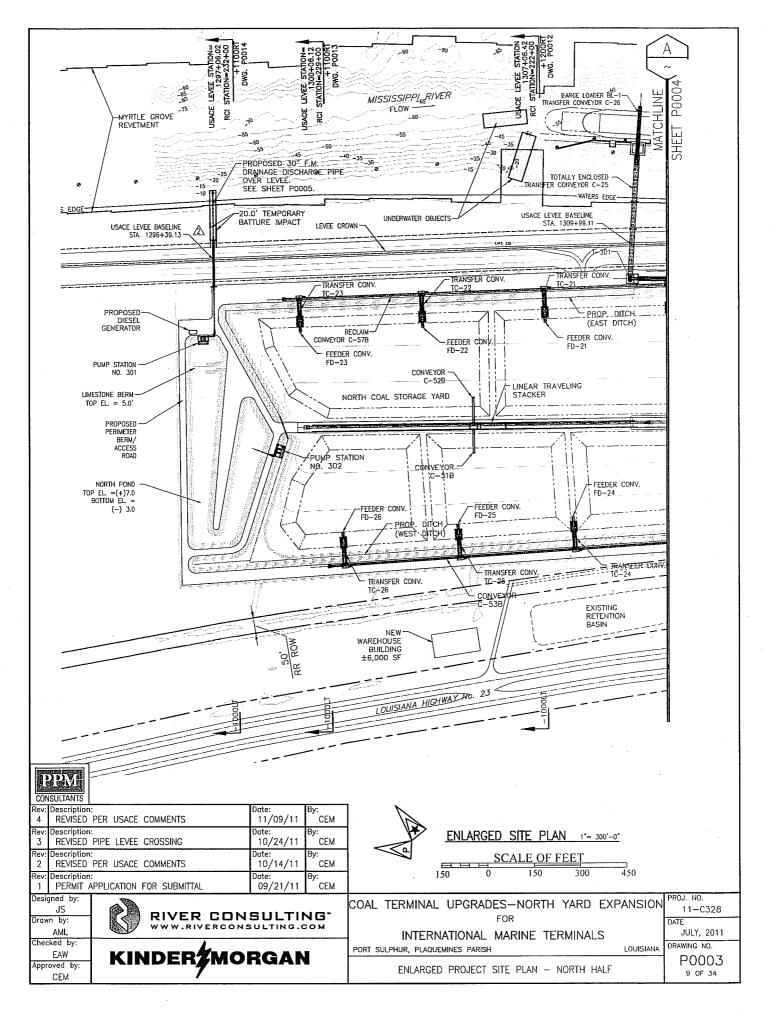
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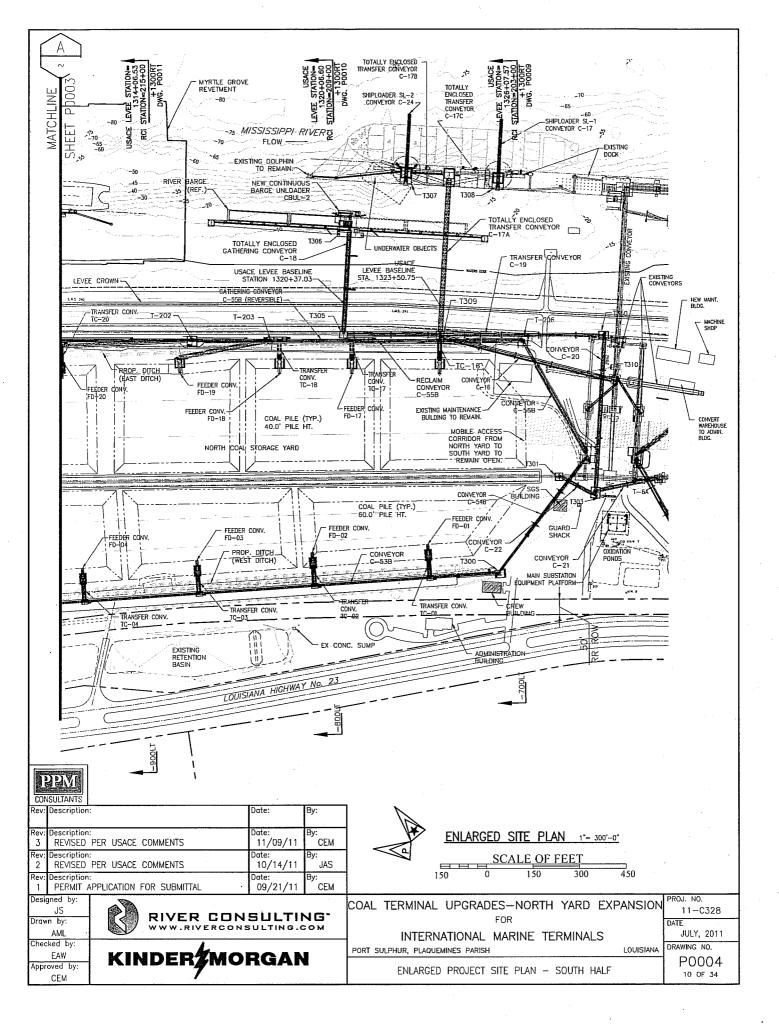
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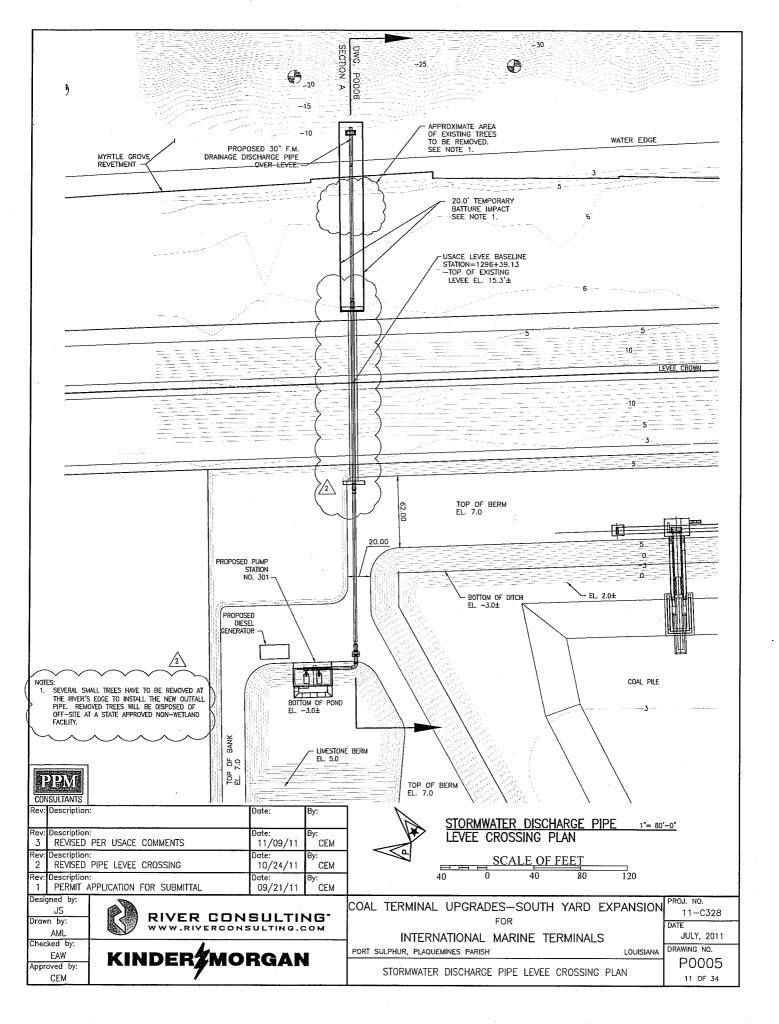
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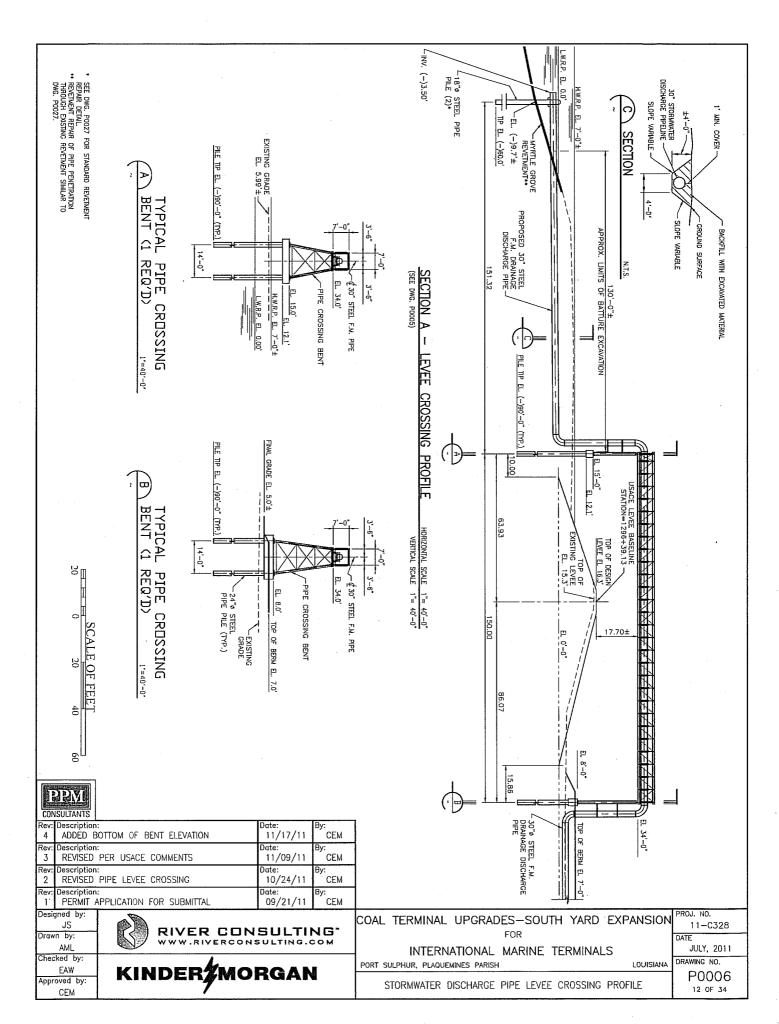


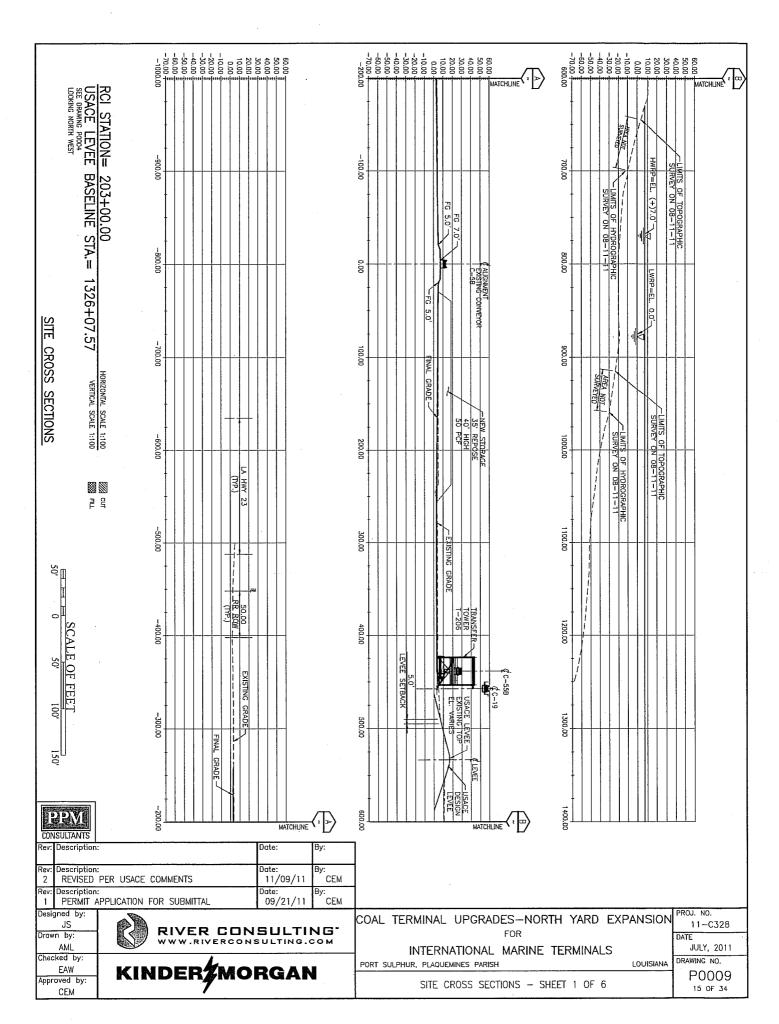


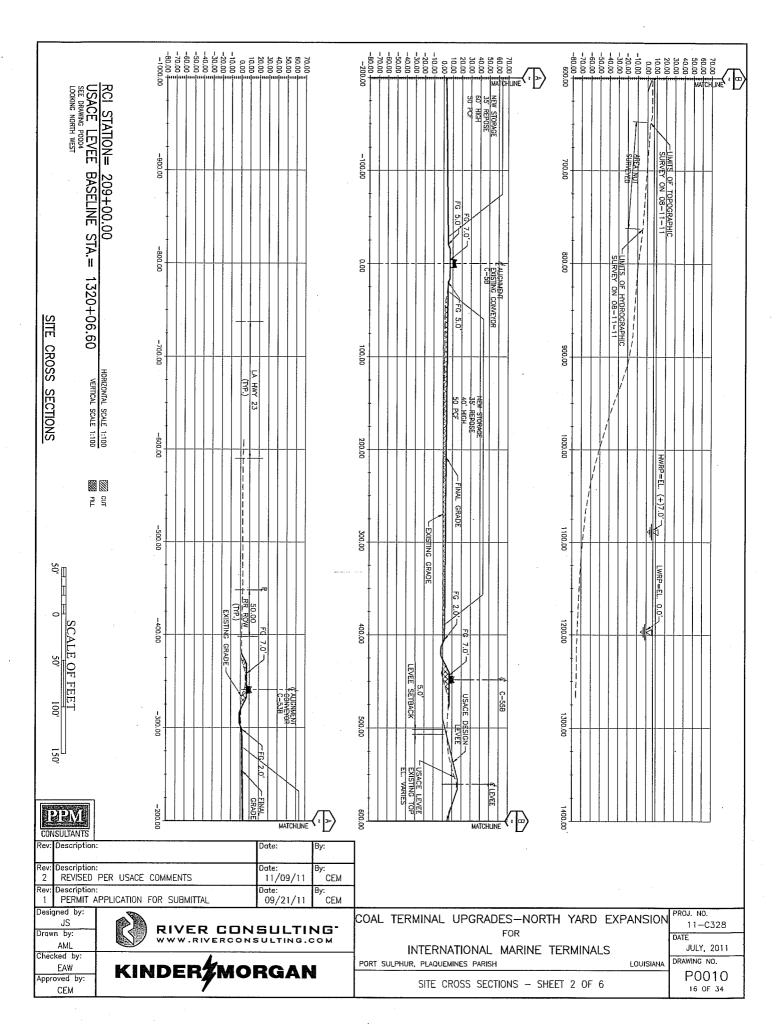


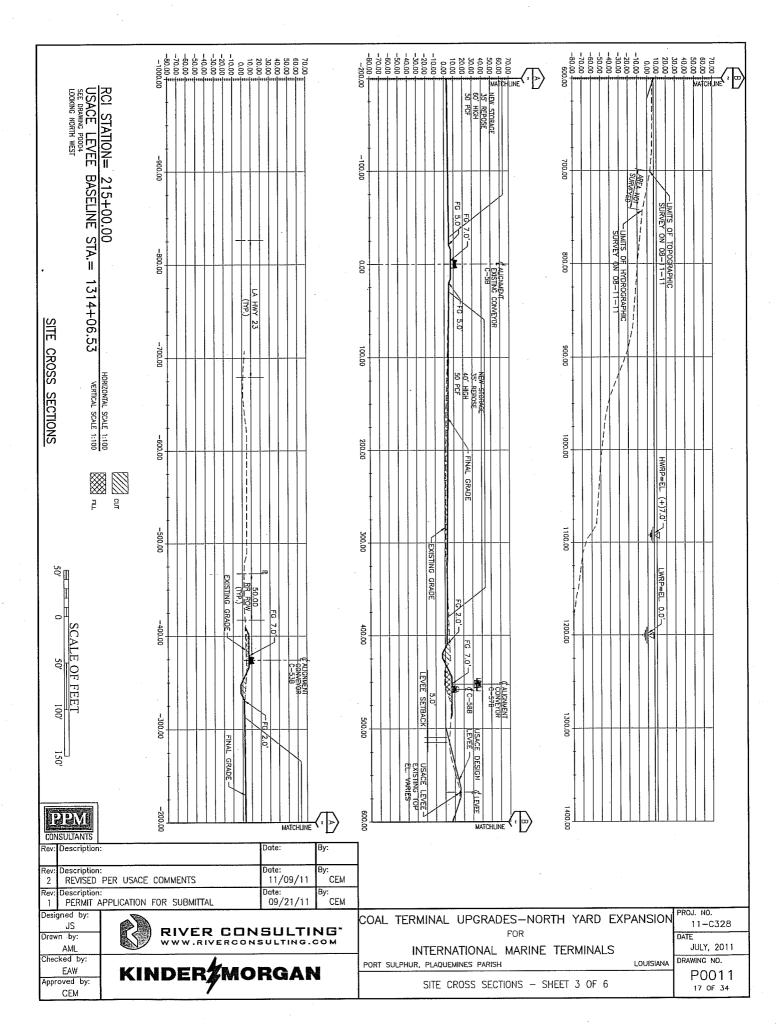


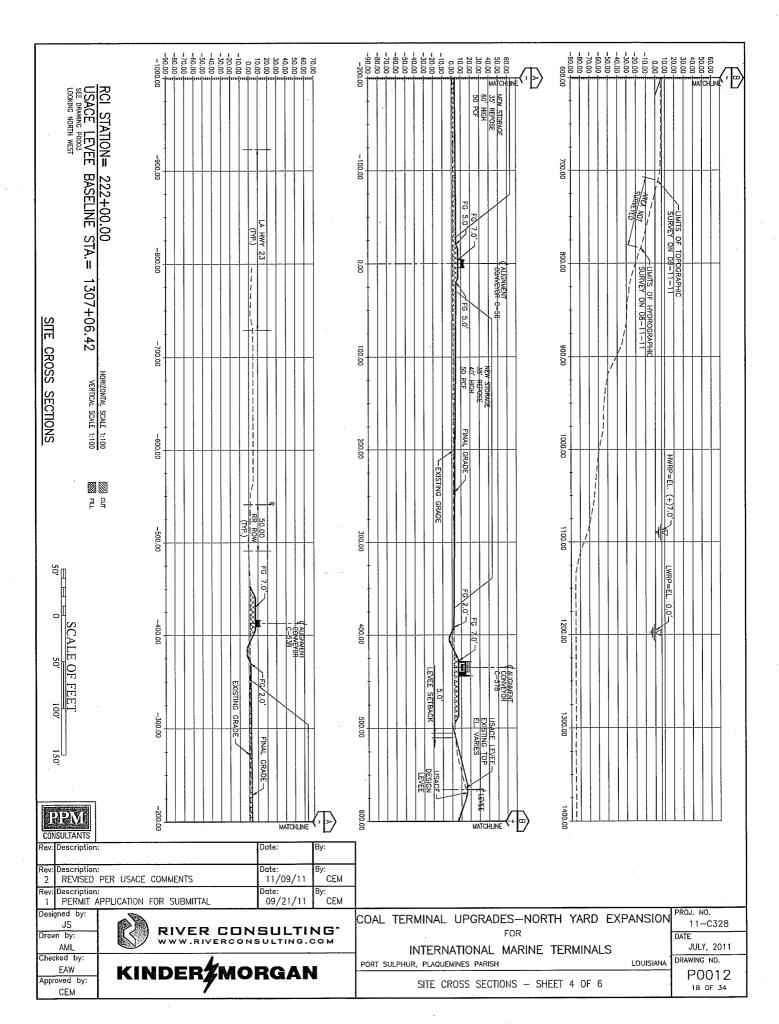


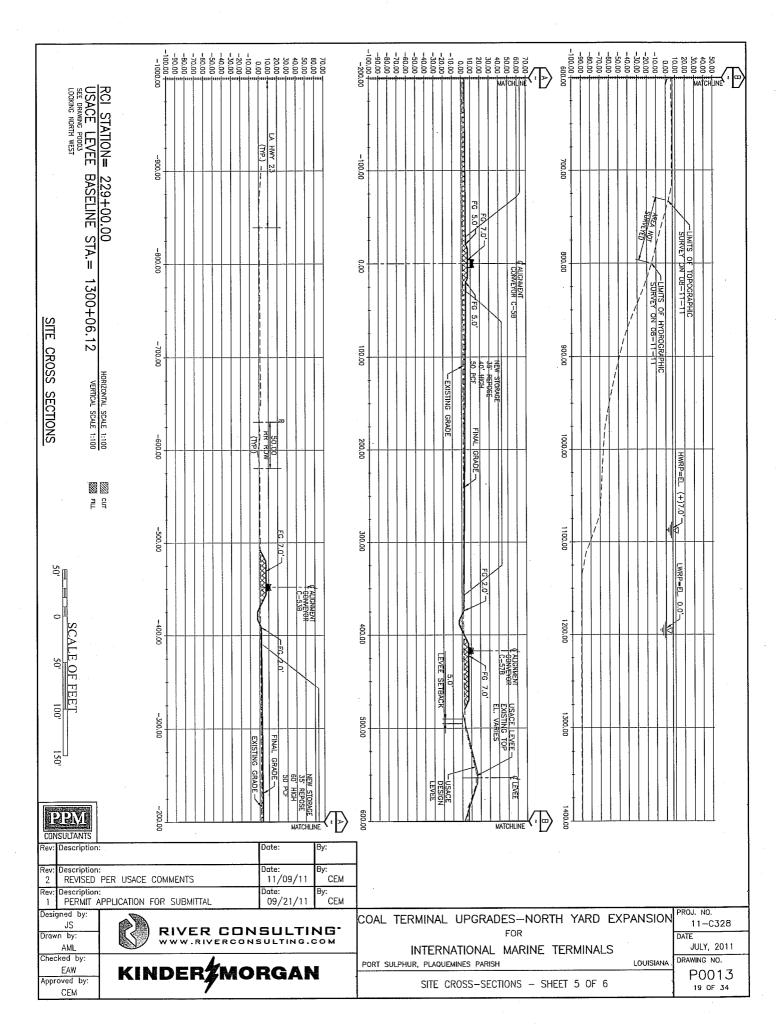


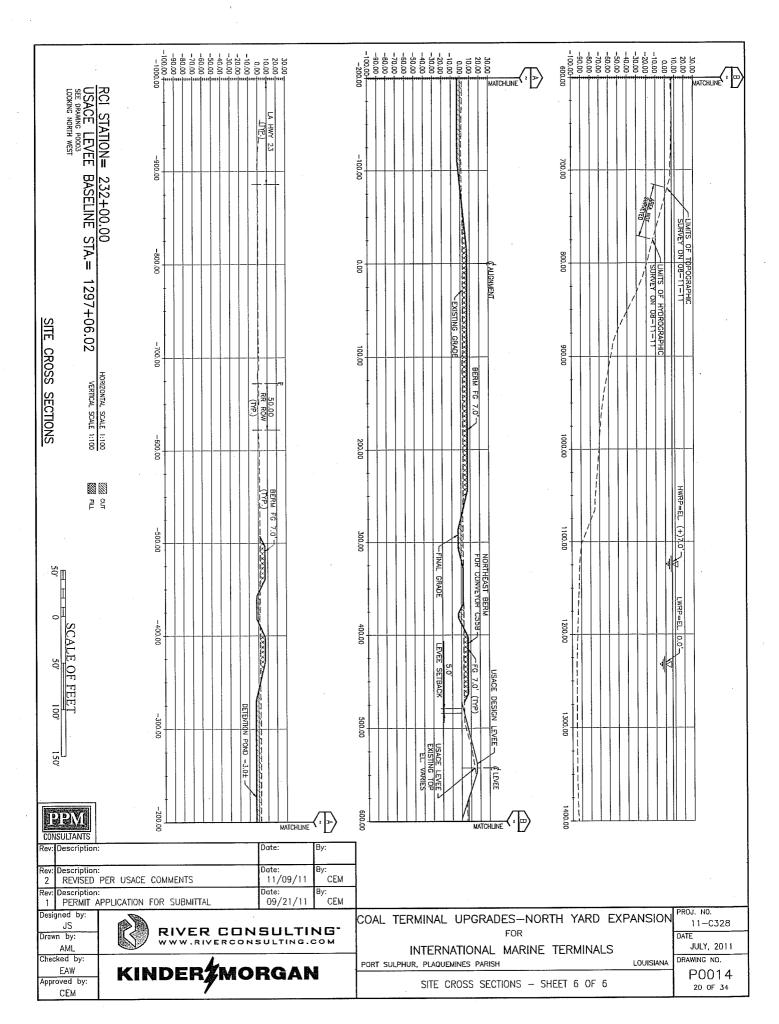


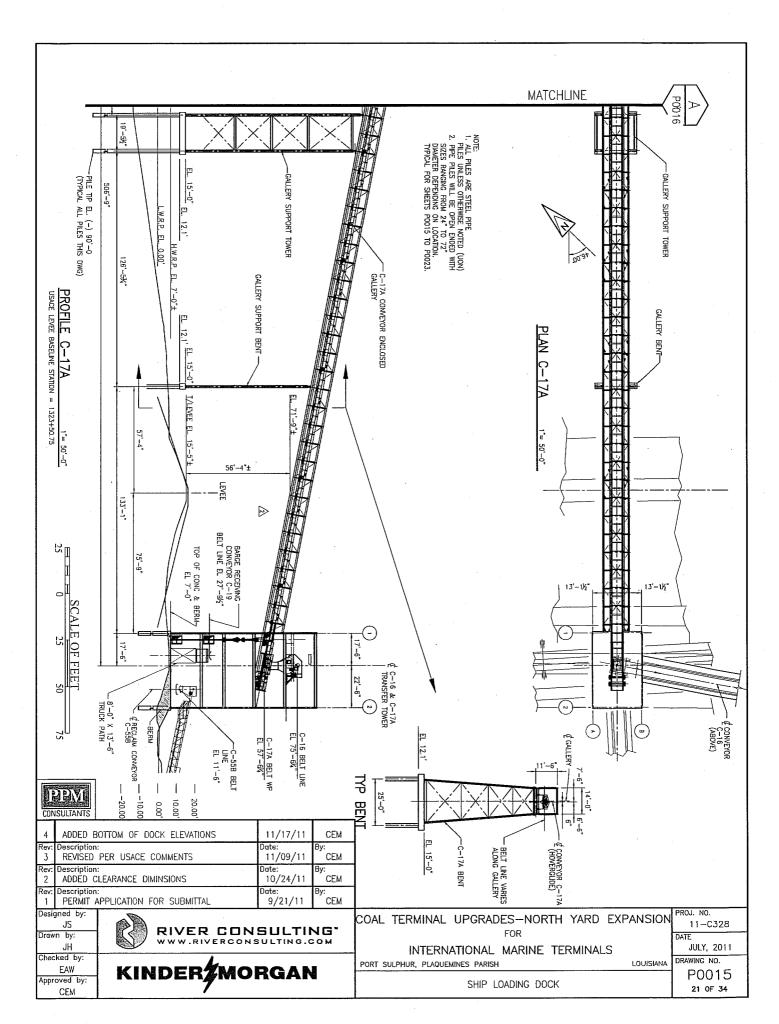


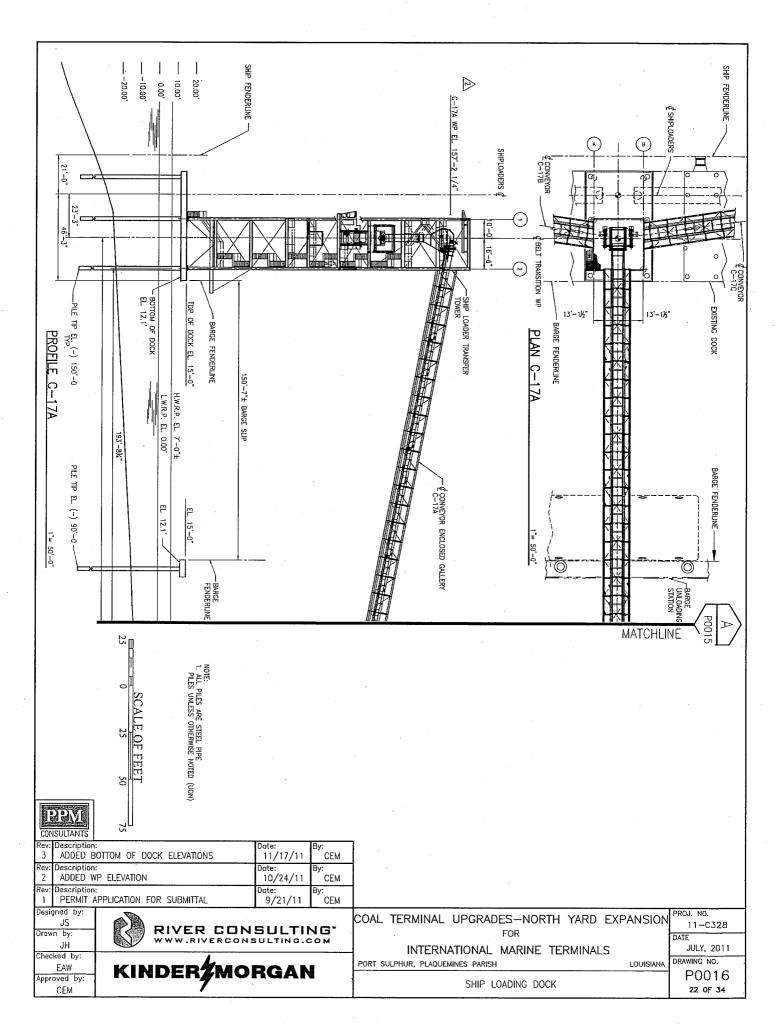


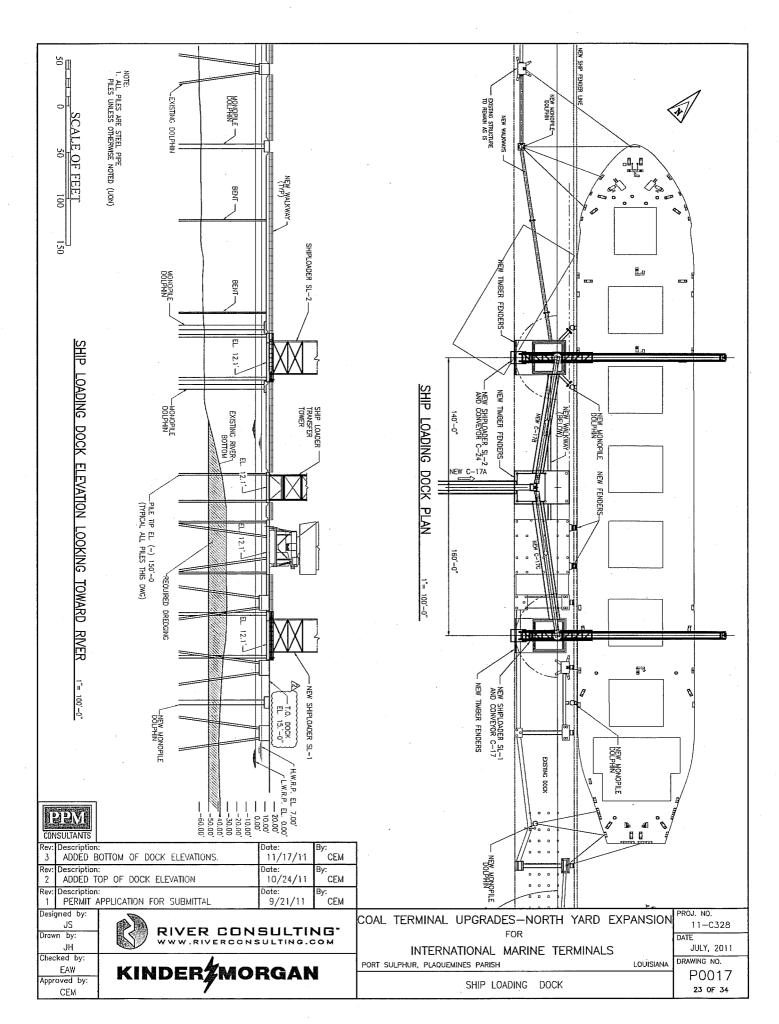


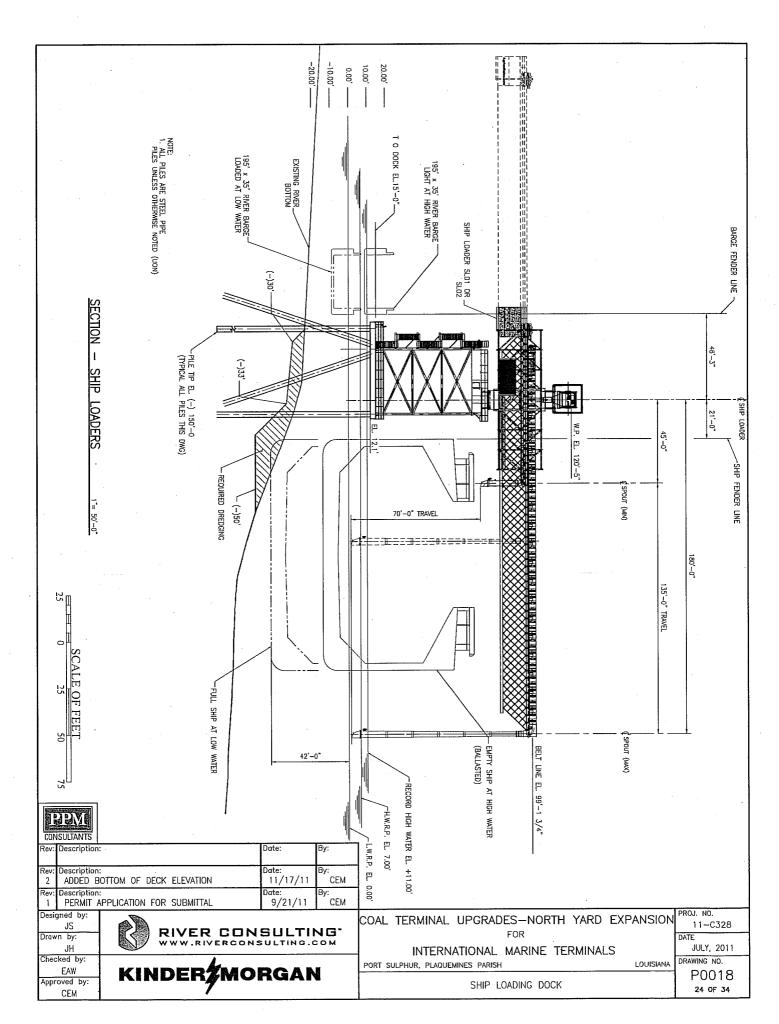


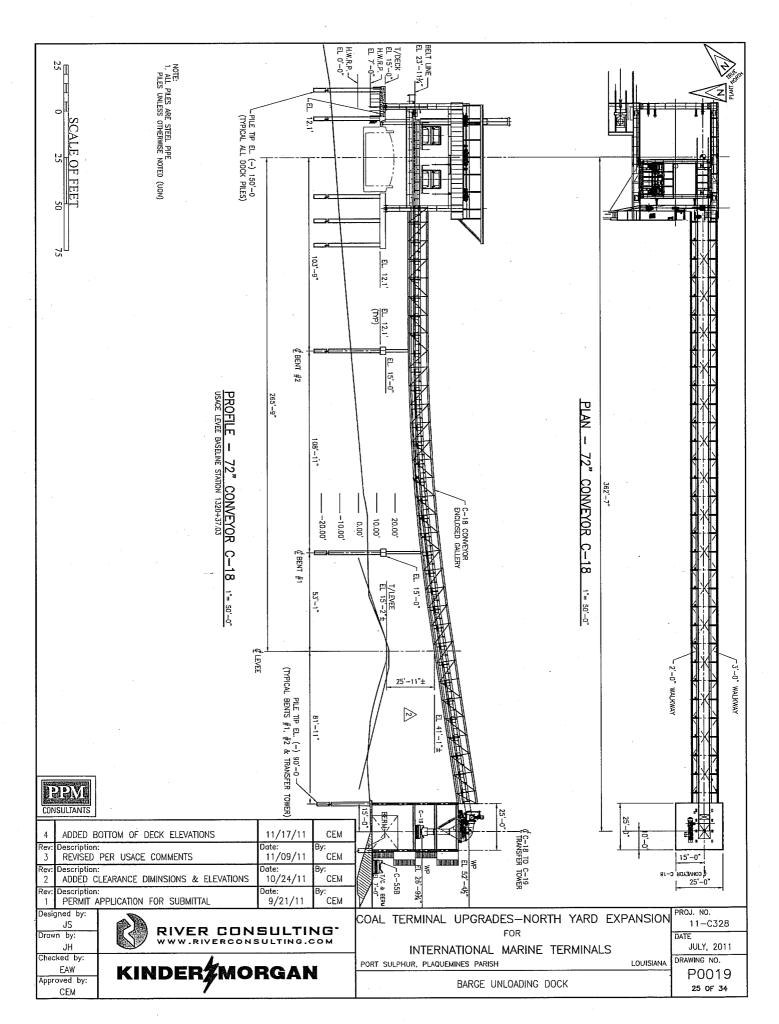


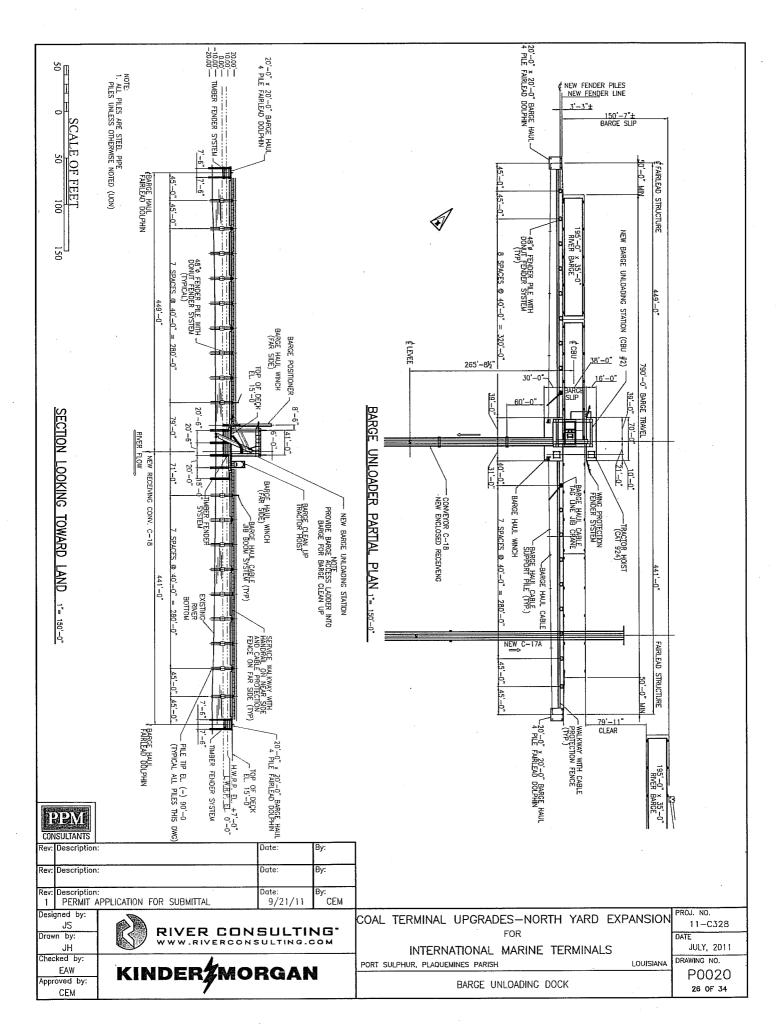


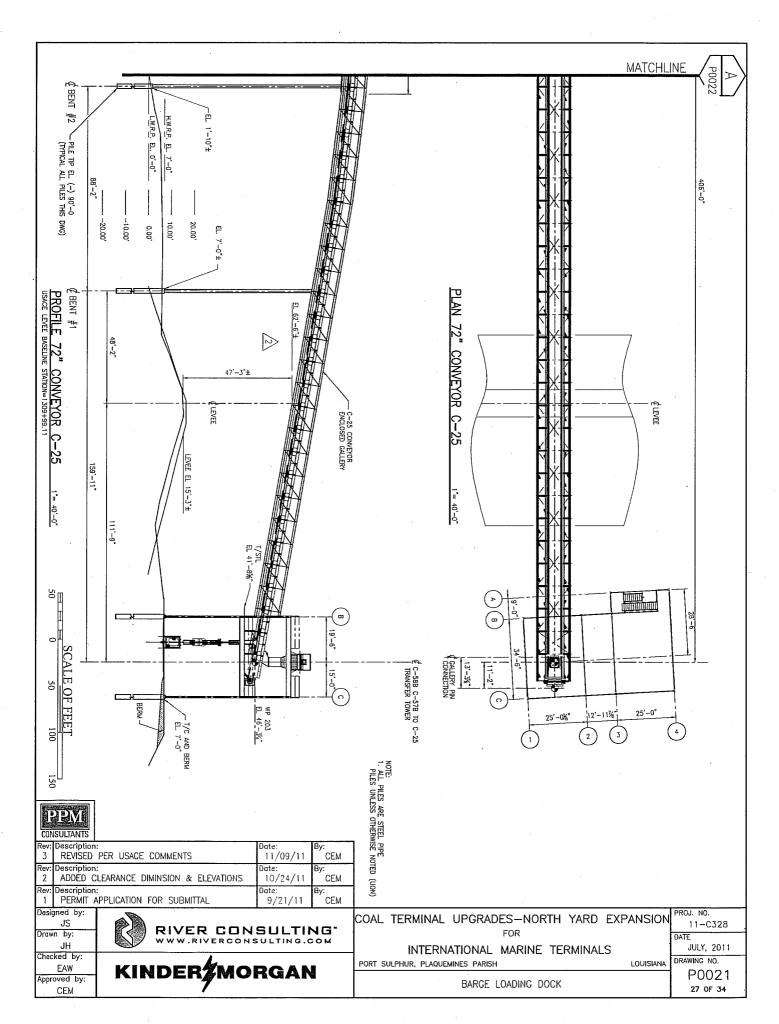


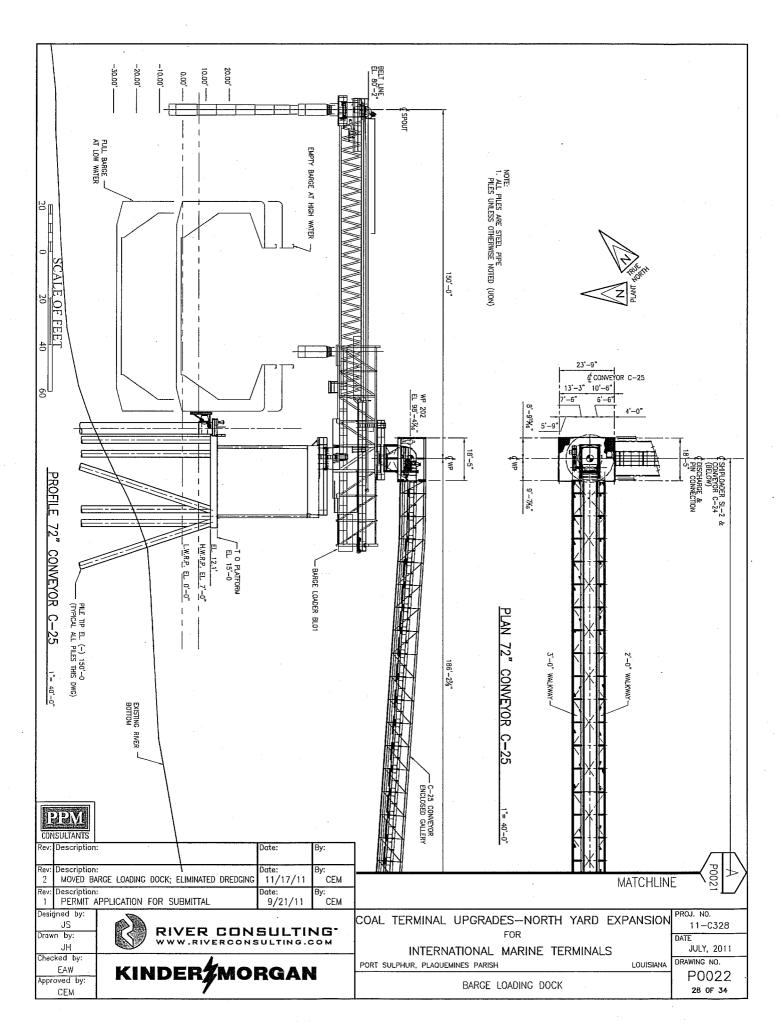


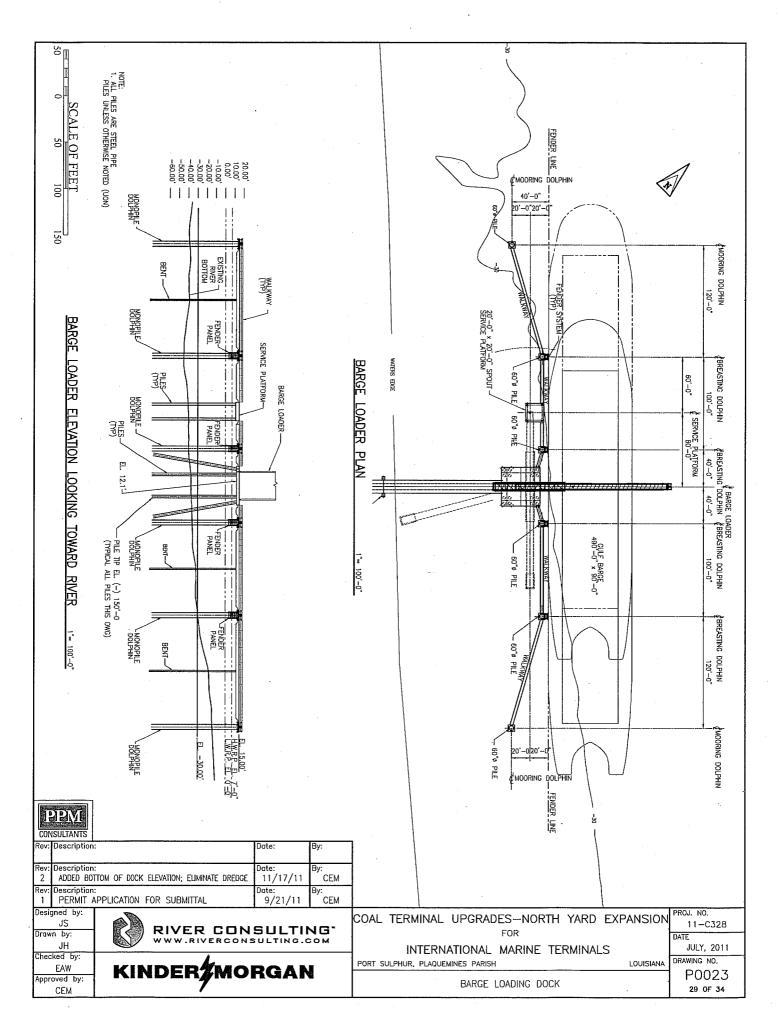


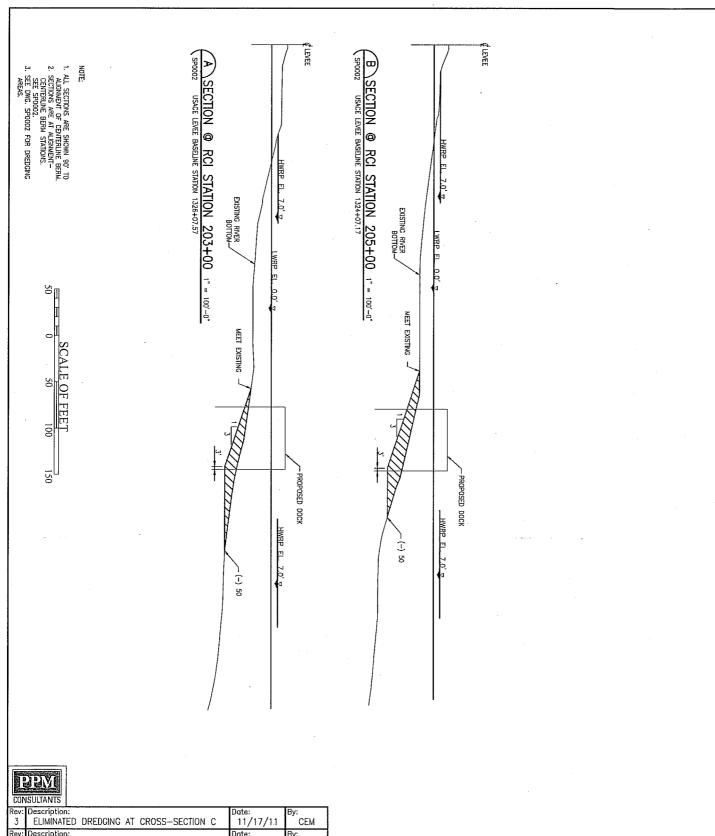












	Rev:	Description:	Date:	Ву:
	3	ELIMINATED DREDGING AT CROSS—SECTION C	11/17/11	CEM
1	Rev:	Description:	Date:	Ву:
	2	REVISED PER USACE COMMENTS	11/09/11	СЕМ
	Rev:	Description:	Date:	Ву:
	1	PERMIT APPLICATION FOR SUBMITTAL	09/21/11	CEM

Designed by: JS Drawn by:

Checked by: EAW Approved by:

CEM

KINDER MORGAN

RIVER CONSULTING:

PROJ. NO. COAL TERMINAL UPGRADES—NORTH YARD EXPANSION FOR

INTERNATIONAL MARINE TERMINALS

PORT SULPHUR, PLAQUEMINES PARISH

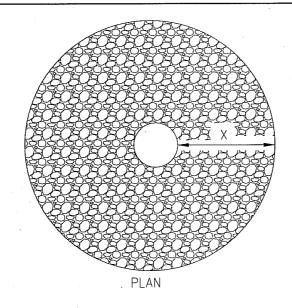
LOUISIANA

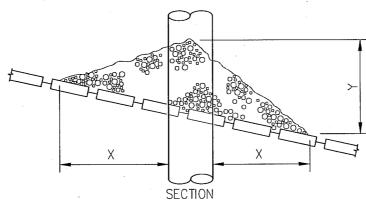
JULY, 2011 DRAWING NO. P0024

11-C328

DREDGING CROSS SECTIONS

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STANDARD REVETMENT REPAIR DETAIL

(FOR PILES DRIVEN THROUGH REVETMENT)

DEPTH OF WATER IN FEET AT POINT OF		ANCE FEET	APPROXIMATE TONS OF STONE REQUIRED
PILE PENETRATION	. Х	Υ	
1 TO 10	3	1.5	1.5
11 TO 40	5	2	6.5
41 TO 60	8	3	22
61 TO 100	12	4	57

1. SIZE OF RIP - RAP TO VARY BETWEEN 6 POUNDS AND 125 POUNDS WITH 40% TO 60% OF THE STONE WITHIN THE RANGE OF 25 POUNDS TO 75 POUNDS.

500	10021711110				
Rev:	Description:	Date:	Ву:		
Rev:	Description:	Date:	Ву:		
Rev:	Description: PERMIT APPLICATION FOR SUBMITTAL	Date: 09/21/11	By: CEM		
_					

Drawn by: AML

Checked by: EAW

Approved by CEM



KINDER#MORGAN

COAL TERMINAL UPGRADES-NORTH YARD EXPANSION

INTERNATIONAL MARINE TERMINALS

PORT SULPHUR, PLAQUEMINES PARISH

LOUISIANA

STANDARD REVETMENT REPAIR DETAIL

DRAWING NO. P0027 33 OF 34

11-C328

JULY, 2011

## NOTES

- 1. AS-BUILT DRAWINGS WILL BE SUBMITTED WITHIN 30 DAYS OF COMPLETION OF THIS PROJECT TO THE LOUISIANA DEPARTMENT OF NATURAL RESOURCES, OFFICE OF CONSERVATION, PIPELINE DIVISION, P. O. BOX 94275, BATON ROUGE, LA 70804, AND TO THE LOUISIANA DEPARTMENT OF NATURAL RESOURCES, COASTAL MANAGEMENT DIVISION, P. O. BOX 44487, BATON ROUGE, LA 70804-4487.
- 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 MUST ALSO 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. CONSTRUCTION OVER THE LEVEE AND CONSTRUCTION WITHIN 10 FEET OF THE TOE IS LIMITED TO RIVER STAGES BELOW +11 FEET ON THE CARROLLTON GAGE.
- 6. PILE DRIVING IS LIMITED TO RIVER STAGES BELOW +11 FEET ON THE CARROLLTON GAGE.

CONSULTANTS		· •	
Rev: Description:	Date: By:		
Rev: Description:	Date: By:	<del>-</del>	
Rev: Description: 1 PERMIT APPLICATION FOR SUBMITTAL	Date: By: 09/21/11 CEM		
Designed by:  JS  Drawn by:  AML  RIVER CONS		COAL TERMINAL UPGRADES—NORTH YARD EXPANSION FOR INTERNATIONAL MARINE TERMINALS	PROJ. NO. 11—C328 DATE JULY, 2011
Checked by:		PORT SULPHUR, PLAQUEMINES PARISH LOUISIANA	DRAWING NO.
Approved by: CEM  CEM  CEM  CEM  CEM  CEM  CEM  CEM	RGAN	NDSI NOTES	P0028 34 OF 34