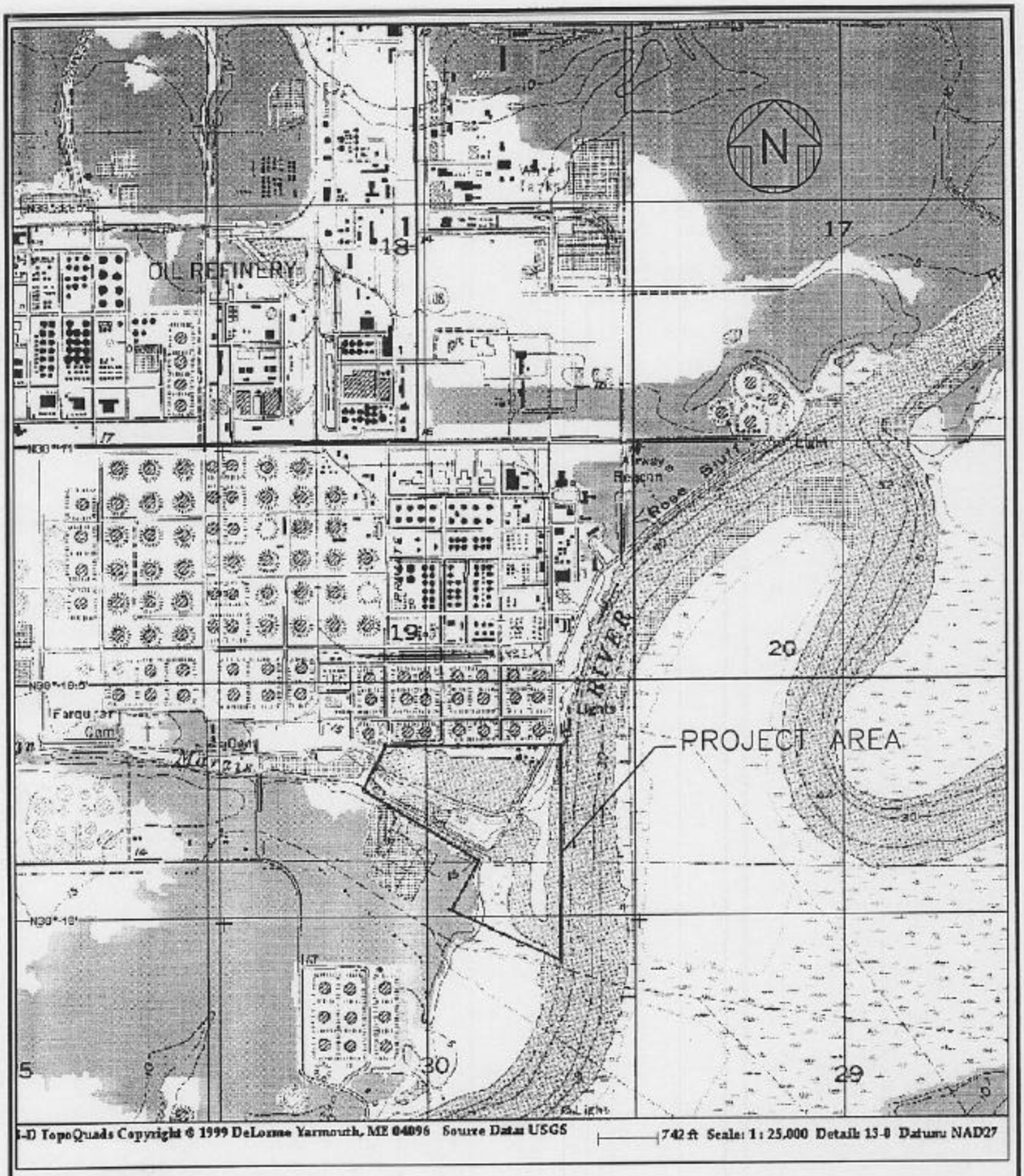


GENERAL NOTES:

ALL ELEVATIONS ARE OF CITGO PETROLEUM CORP. PLANT DATUM.

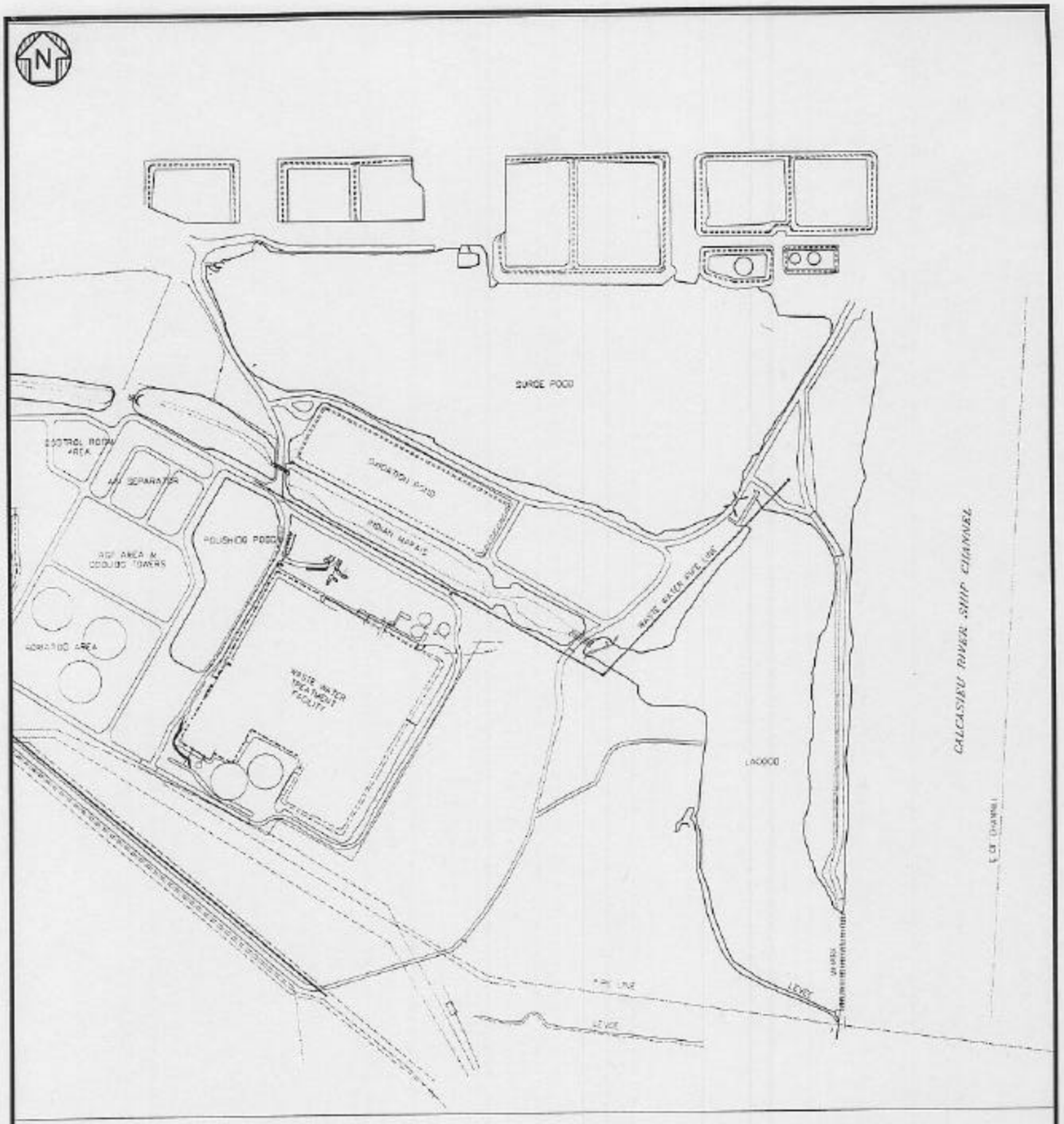
VICINITY MAP

CITGO Petroleum Corporation
LAKE CHARLES OPERATIONS

	BY	DATE		
DRAWN:	WWC	8/04/03	SCALE:	SHOWN
CHECKED:	AC	8/04/03	WORK ORDER:	N/A
CHIEF DR.:			DCA/MOC NO.:	N/A
ENGINEER:	WGF		PLANT CODE:	N/A
APPROVED:			D-P-SK-1	REV 0

DOC. CLASS: MOD: ISSUE:

RDR 020515 PREFIX:



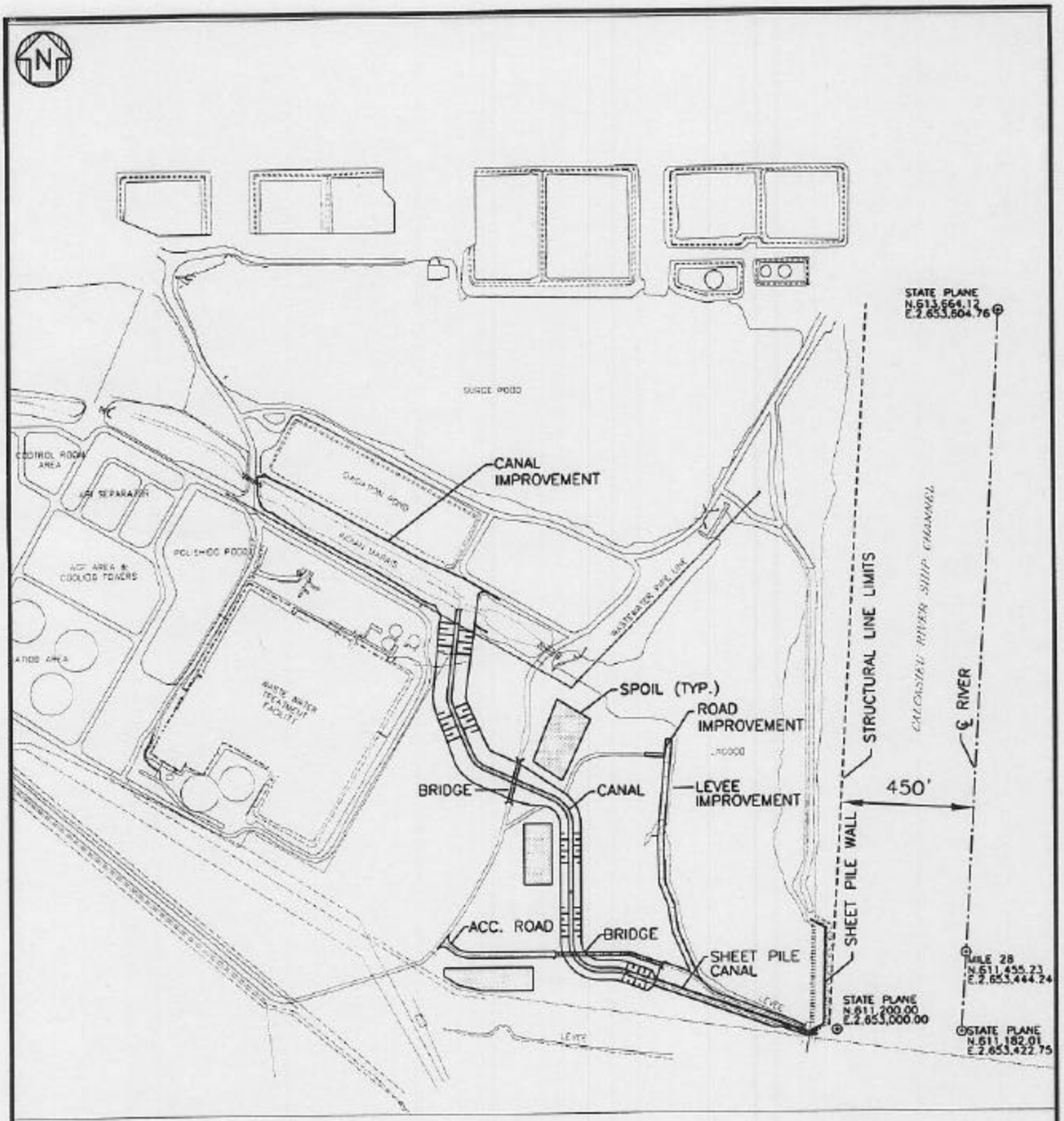
PROJECT AREA PLOT PLAN
EXISTING CONDITION

CITGO Petroleum Corporation
LAKE CHARLES OPERATIONS

	BY	DATE		
DRAWN:	WWC	8/04/03	SCALE:	SHOWN
CHECKED:	AC	8/04/03	WORK ORDER:	N/A
CHIEF DR.:			DCA/MOC NO.:	N/A
ENGINEER:	WGF		PLANT CODE:	N/A
APPROVED:			D-P-SK-2	REV 0

DOC. CLASS: MOD: ISSUE:

PREFIX:



PROJECT AREA PLOT PLAN
PROPOSED CONDITIONS

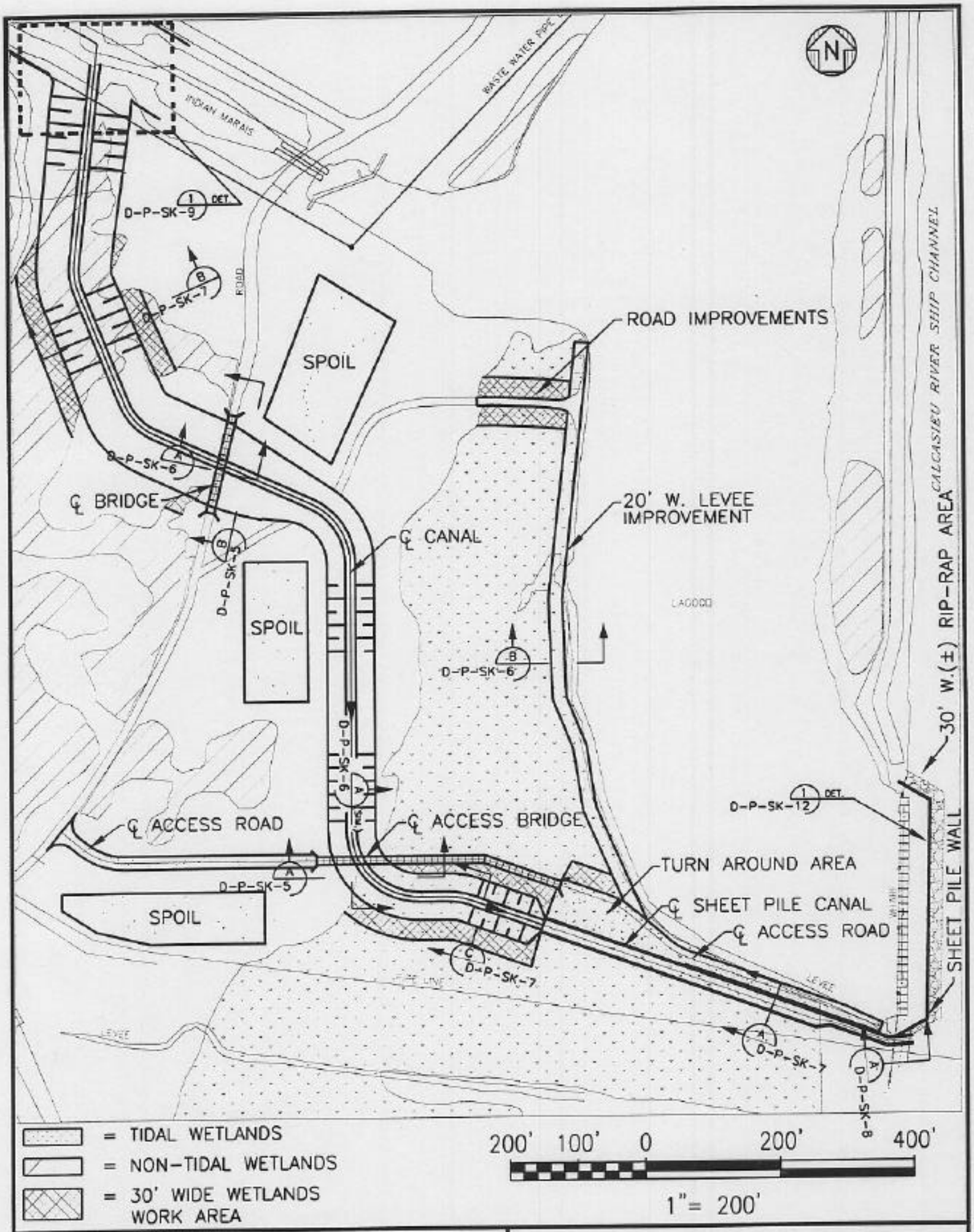
CITGO Petroleum Corporation
LAKE CHARLES OPERATIONS

	BY	DATE		
DRAWN:	WWC	8/04/03	SCALE:	SHOWN
CHECKED:	AC	8/04/03	WORK ORDER:	N/A
CHIEF DR.:			DCA/MOC NO.:	N/A
ENGINEER:	WGF		PLANT CODE:	N/A
APPROVED:				

D-P-SK-3 REV 0

DOC. CLASS: MOD: ISSUE:

BDR: 020515 PREFIX:



PHASE I
GENERAL PROPOSED LAYOUT

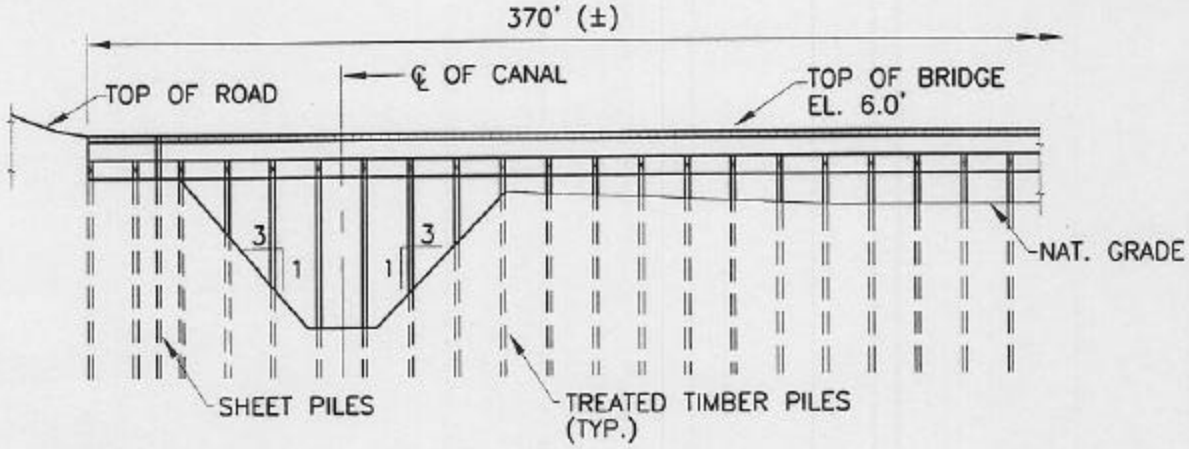
CITGO Petroleum Corporation
LAKE CHARLES OPERATIONS

	BY	DATE		
DRAWN:	WWC	8/04/03	SCALE:	SHOWN
CHECKED:	AC	8/04/03	WORK ORDER:	N/A
CHIEF DR.:			DCA/MOC NO.:	N/A
ENGINEER:	WGF		PLANT CODE:	N/A
APPROVED:				

D-P-SK-4 REV 0

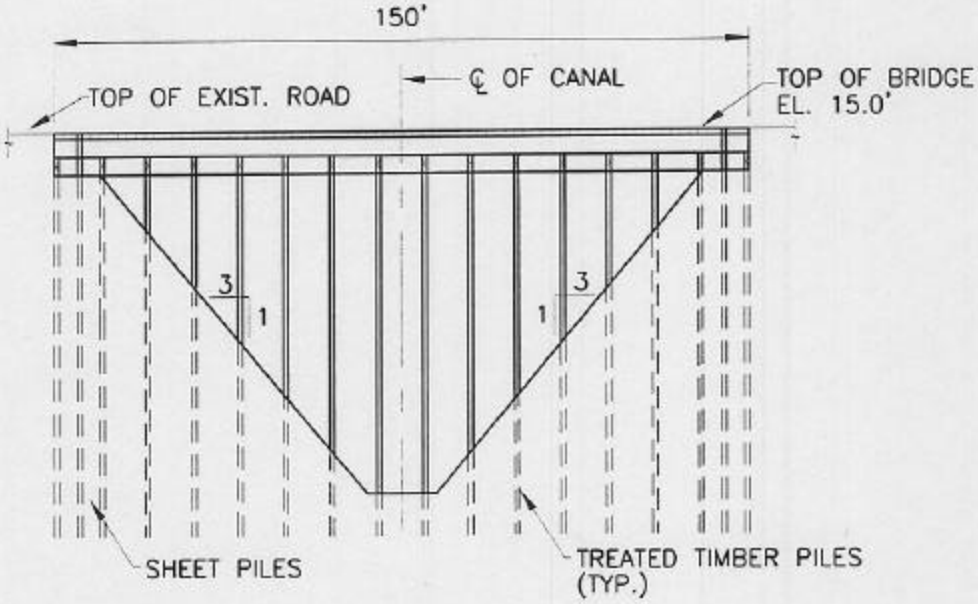
DOC. CLASS: MOD: ISSUE:

BDR: 020515 PREFIX:



SECTION A
D-P-SK-4

1"=40'(HORIZ.)
1"=4'(VERT.)



SECTION B
D-P-SK-4

1"=40'(HORIZ.)
1"=4'(VERT.)

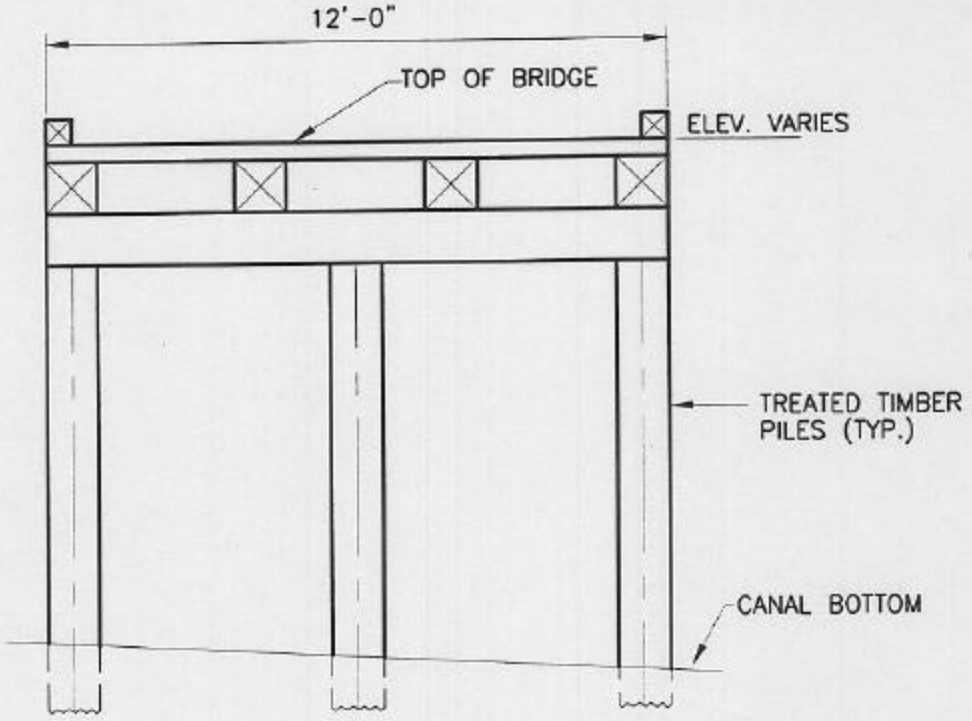
BRIDGE SECTIONS

CITGO Petroleum Corporation
LAKE CHARLES OPERATIONS

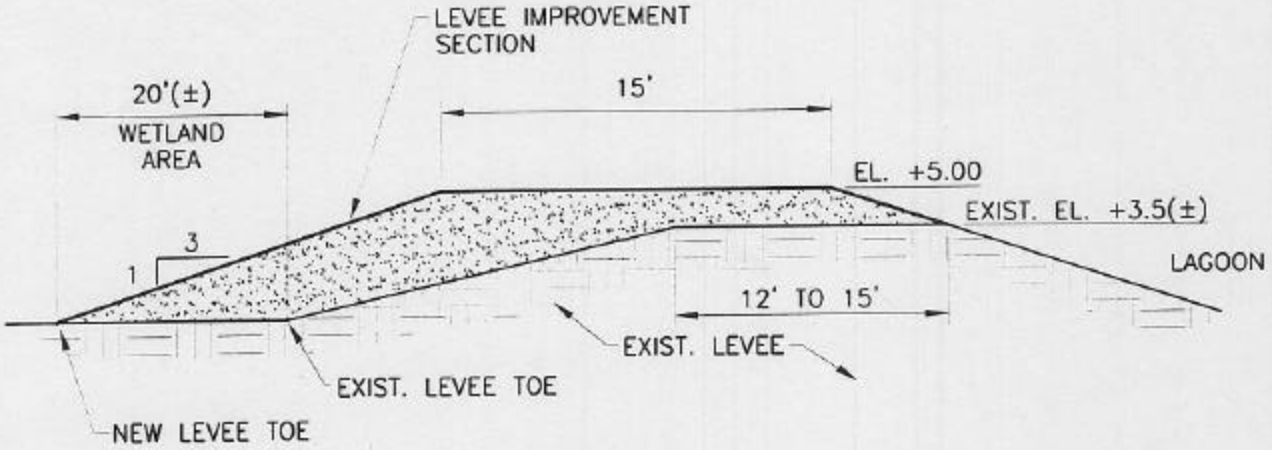
	BY	DATE		
DRAWN:	WWC	8/04/03	SCALE:	NONE
CHECKED:	AC	8/04/03	WORK ORDER:	N/A
CHIEF DR.:			DCA/MOC NO.:	N/A
ENGINEER:	WGF		PLANT CODE:	N/A
APPROVED:			D-P-SK-5	REV 0

DOC. CLASS: MOD: ISSUE:

BDR: 020515 PRFFIX:



SECTION A
N.T.S. D-P-SK-4



SECTION B
N.T.S. D-P-SK-4

(TYPICAL LEVEE-IMPROVEMENT SECTION)

TYPICAL BRIDGE CROSS SECTION

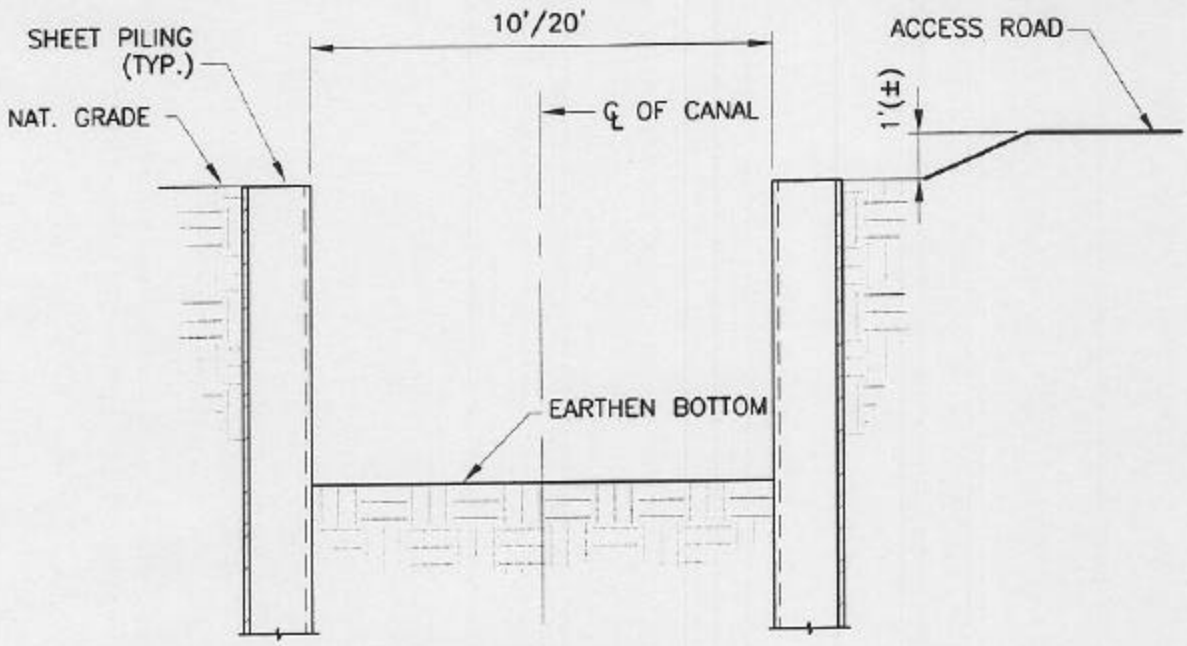
CITGO Petroleum Corporation
LAKE CHARLES OPERATIONS

	BY	DATE		
DRAWN:	WWC	8/04/03	SCALE:	SHOWN
CHECKED:	AC	8/04/03	WORK ORDER:	N/A
CHIEF DR.:			DCA/MOC NO.:	N/A
ENGINEER:	WGF		PLANT CODE:	N/A
APPROVED:				

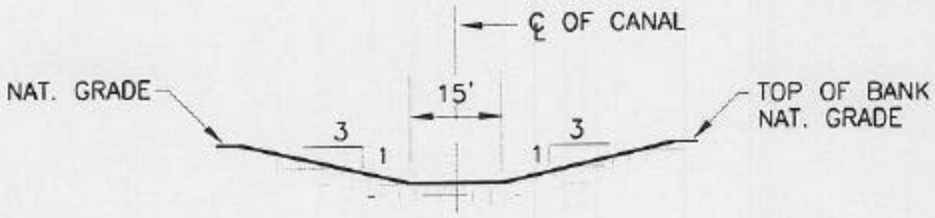
D-P-SK-6 REV 0

DOC. CLASS: MOD: ISSUE:

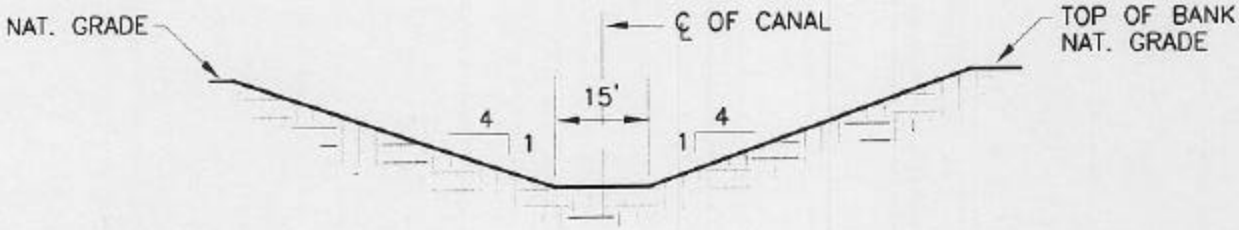
BDR: 020515 PREFIX:



SECTION A
1/4"=1'-0"
D-P-SK-4



SECTION B
1"=30'-0"
D-P-SK-4



SECTION C
1"=30'-0"
D-P-SK-4

TYPICAL SHEET PILE CANAL & EARTHEN CANAL SECTIONS

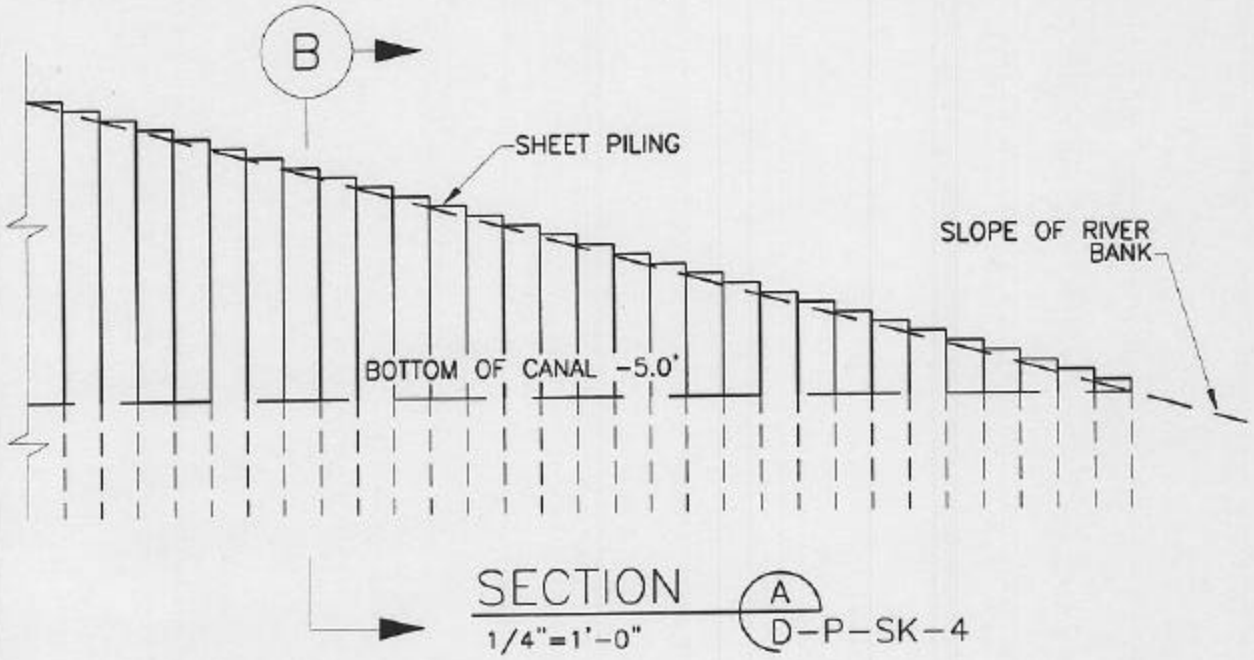
CITGO Petroleum Corporation
LAKE CHARLES OPERATIONS

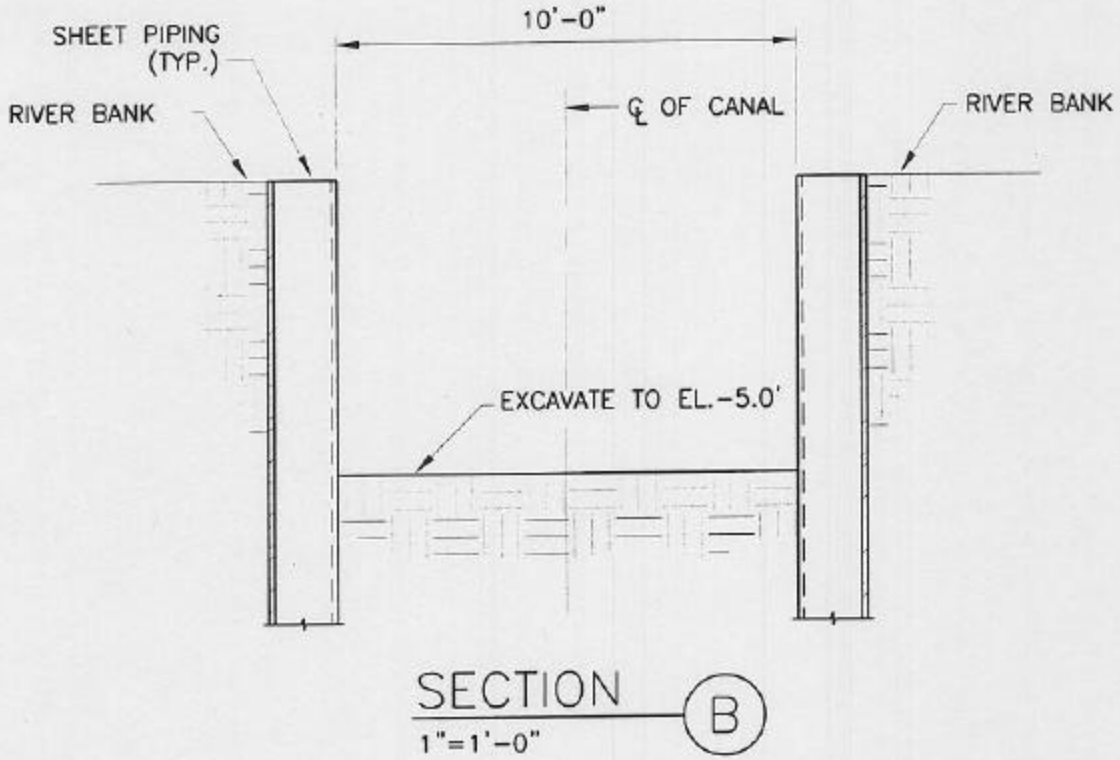
	BY	DATE		
DRAWN:	WWC	8/04/03	SCALE:	SHOWN
CHECKED:	AC	8/04/03	WORK ORDER:	N/A
CHIEF DR.:			DCA/MOC NO.:	N/A
ENGINEER:	WGF		PLANT CODE:	N/A
APPROVED:				

D-P-SK-7 REV 0

DOC. CLASS: MOD: ISSUE:

BDR: 020515 PREFIX:





TYPICAL SHEET PILE CANAL SECTIONS AT RIVER

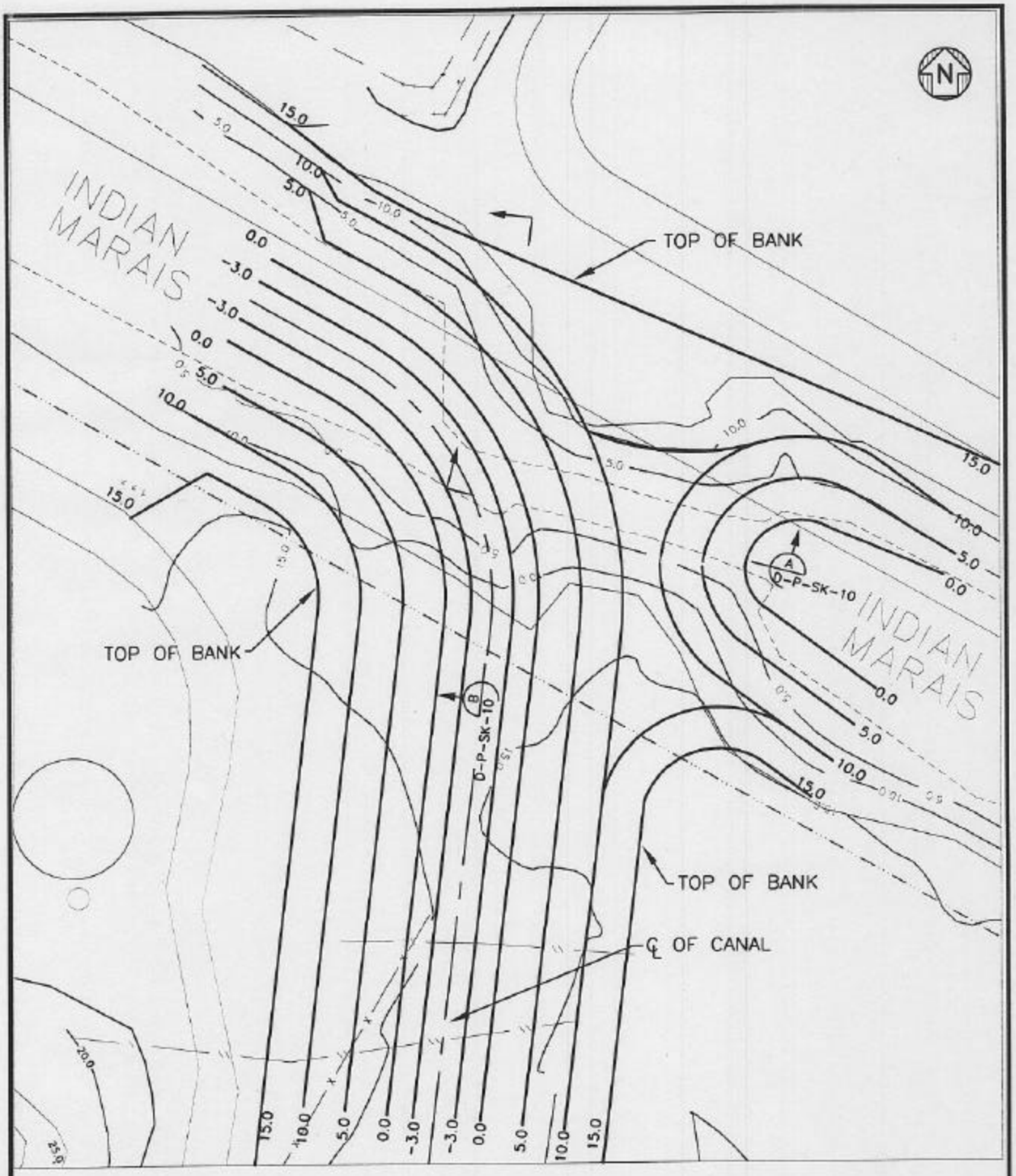
CITGO Petroleum Corporation
LAKE CHARLES OPERATIONS

	BY	DATE		
DRAWN:	WWC	8/04/03	SCALE:	SHOWN
CHECKED:	AC	8/04/03	WORK ORDER:	N/A
CHIEF DR.:			DCA/MOC NO.:	N/A
ENGINEER:	WGF		PLANT CODE:	N/A
APPROVED:				

D-P-SK-8 REV 0

DOC. CLASS: MOD: ISSUE:

BDR: 020515 PREFIX:



DETAIL 1 D-P-SK-4

1"=50'

DIVERSION OF INDIAN MARAIS TO NEW CANAL

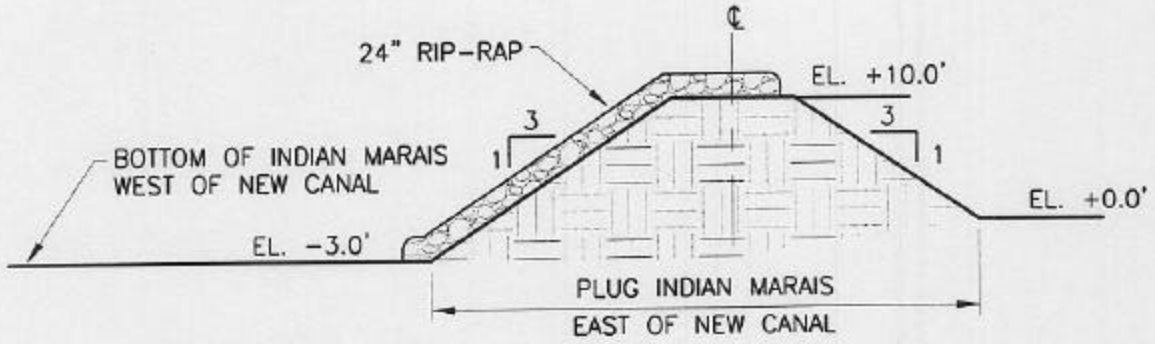
CITGO Petroleum Corporation
LAKE CHARLES OPERATIONS

	BY	DATE		
DRAWN:	WWC	8/04/03	SCALE:	SHOWN
CHECKED:	AC	8/04/03	WORK ORDER:	N/A
CHIEF DR.:			DCA/MOC NO.:	N/A
ENGINEER:	WGF		PLANT CODE:	N/A
APPROVED:				

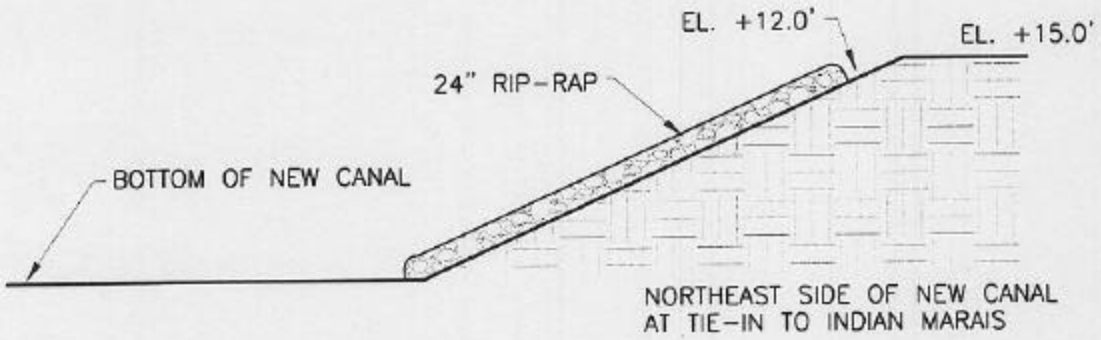
D-P-SK-9 REV 0

DOC. CLASS: MOD: ISSUE:

BDR: 020515 PRFFIX:



SECTION A D-P-SK-9
N.T.S.



SECTION B D-P-SK-9
N.T.S.

INDIAN MARAIS DIVERSION POINT SECTIONS

CITGO Petroleum Corporation
LAKE CHARLES OPERATIONS

	BY	DATE		
DRAWN:	WWC	8/04/03	SCALE:	NONE
CHECKED:	AC	8/04/03	WORK ORDER:	N/A
CHIEF DR.:			DCA/MOC NO.:	N/A
ENGINEER:	WGF		PLANT CODE:	N/A
APPROVED:				

D-P-SK-10 REV 0

DOC. CLASS: MOD: ISSUE:

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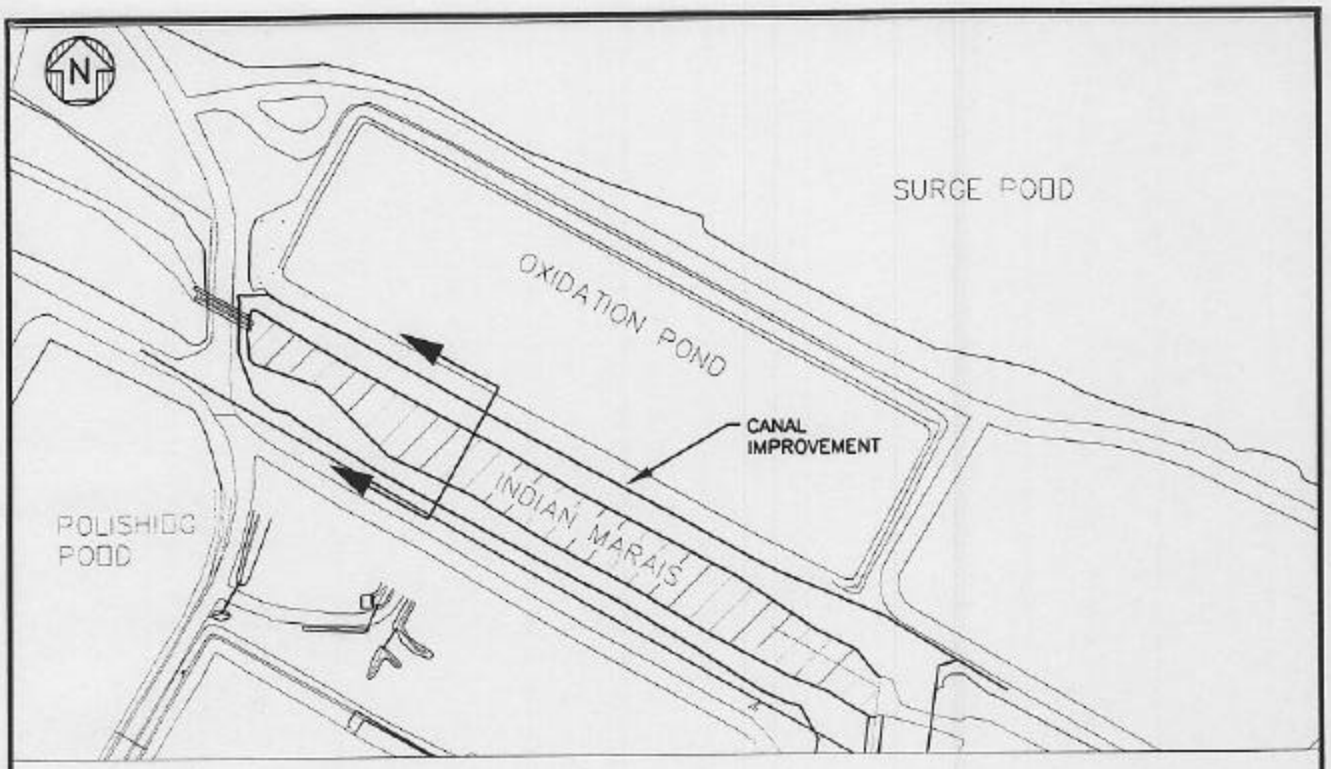
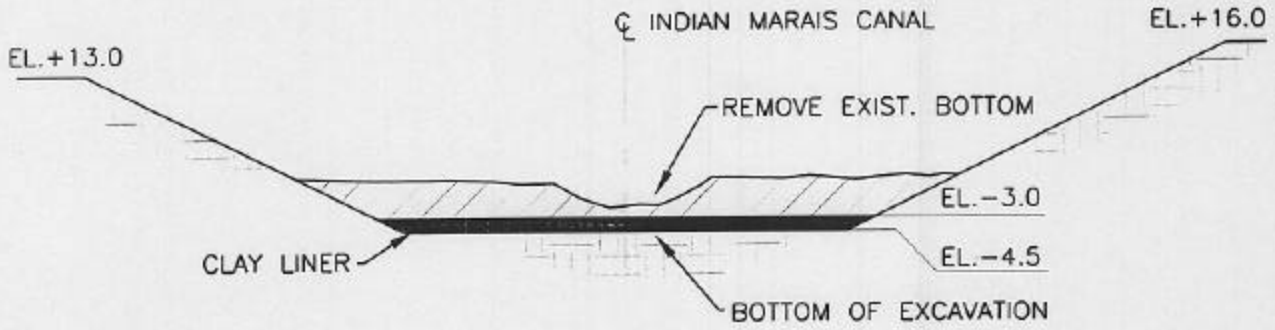


PLAN

200' 100' 0 200' 400'

1"= 200'



TYPICAL SECTION

= NON-TIDAL WETLANDS

PROPOSED MODIFICATIONS
INDIAN MARAIS CANAL

CITGO Petroleum Corporation
LAKE CHARLES OPERATIONS

	BY	DATE		
DRAWN:	WWC	8/04/03	SCALE:	SHOWN
CHECKED:	AC	8/04/03	WORK ORDER:	N/A
CHIEF DR.:			DCA/MOC NO.:	N/A
ENGINEER:	WGF		PLANT CODE:	N/A
APPROVED:				

D-P-SK-11 REV 0

DOC. CLASS: MOD: ISSUE:

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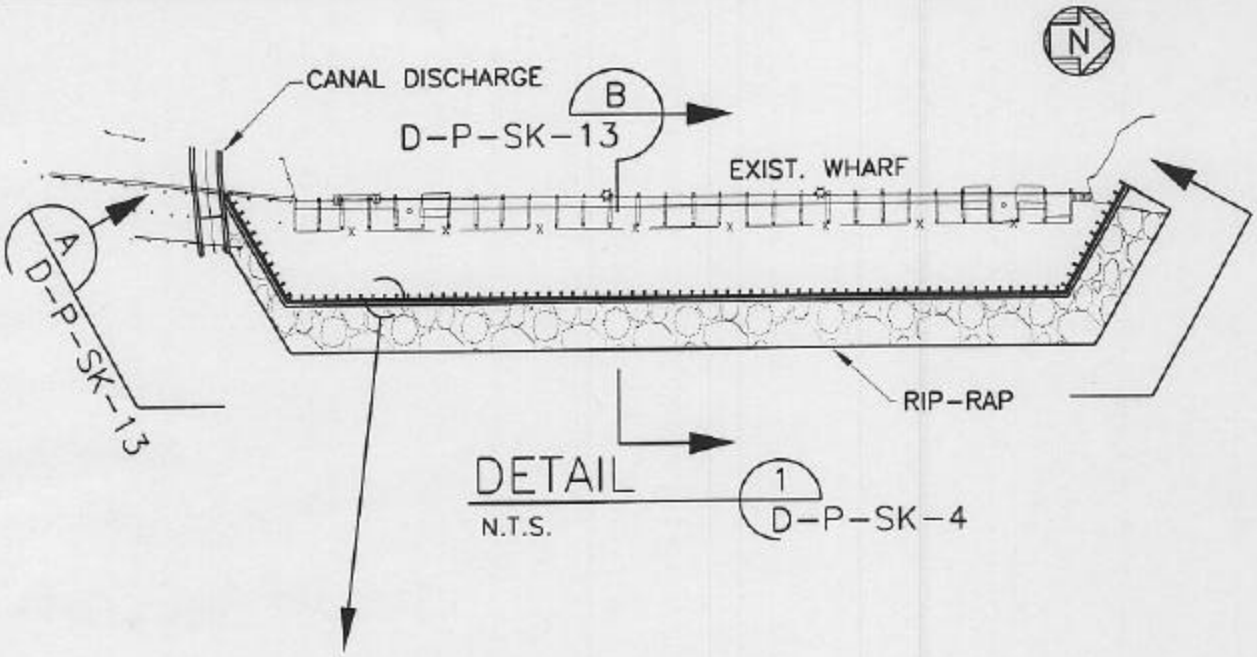
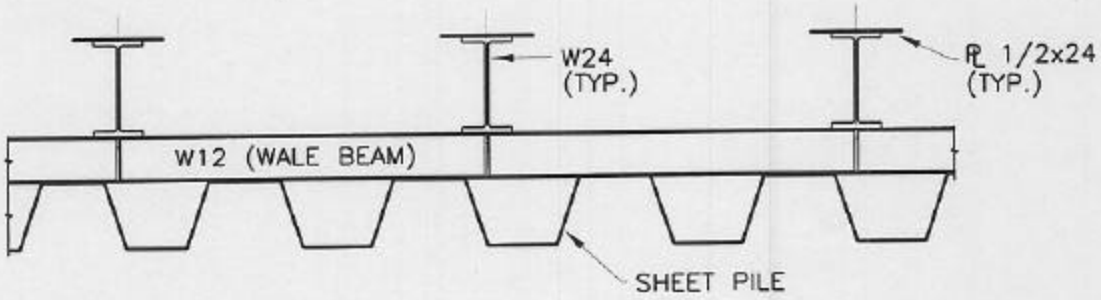
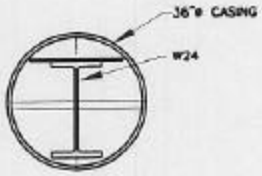




PART PLAN OF BULK HEAD

N.T.S.



TYPICAL PLAN OF TEMP. CASING

N.T.S.

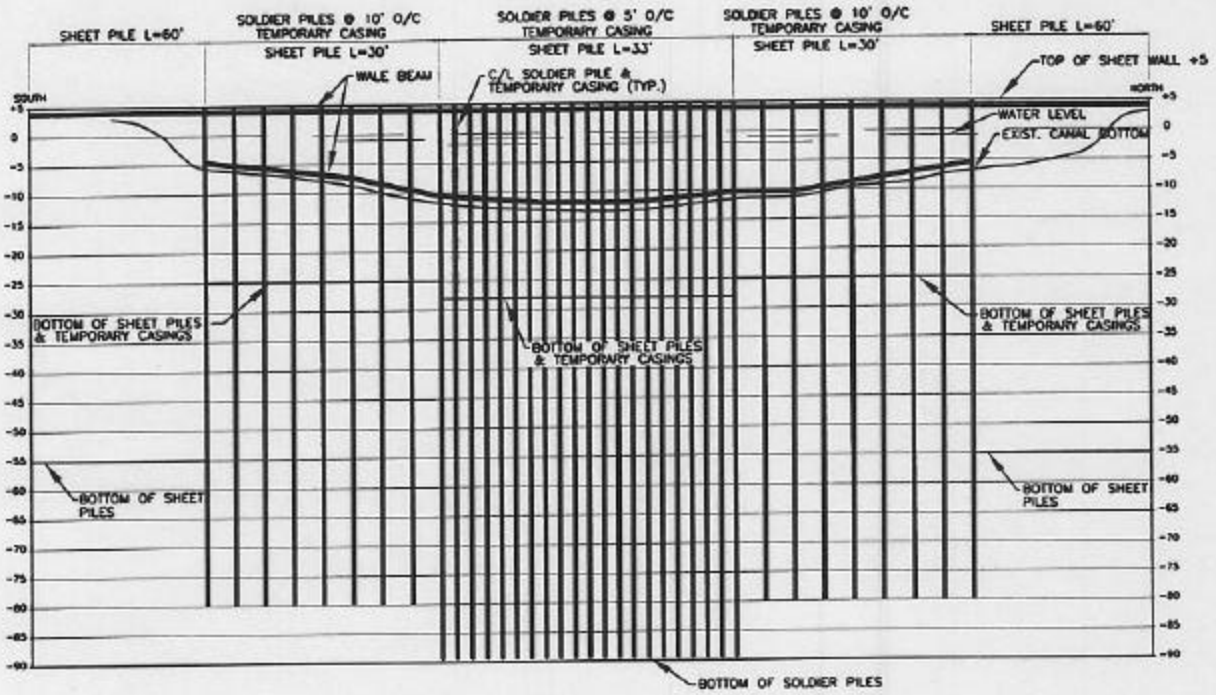
BULK HEAD
PLAN, SECTIONS & DETAILS

CITGO Petroleum Corporation
LAKE CHARLES OPERATIONS

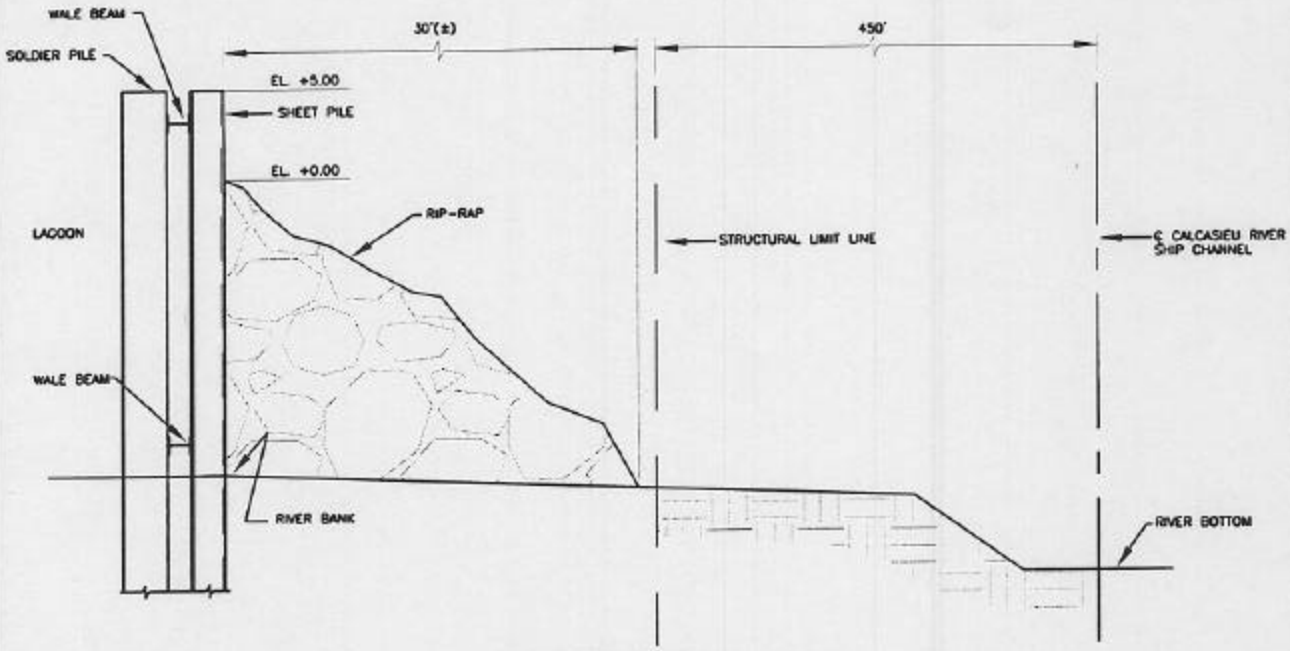
	BY	DATE		
DRAWN:	WWC	8/04/03	SCALE:	NONE
CHECKED:	AC	8/04/03	WORK ORDER:	N/A
CHIEF DR.:			DCA/MOC NO.:	N/A
ENGINEER:	WGF		PLANT CODE:	0003
APPROVED:			D-P-SK-12	REV 0

DOC. CLASS: MOD: ISSUE:

BDR: 020515 PRFFIX:



SECTION A
N.T.S. D-P-SK-12



SECTION B
N.T.S. D-P-SK-12

BULK HEAD
TYPICAL SECTION

CITGO Petroleum Corporation
LAKE CHARLES OPERATIONS

	BY	DATE		
DRAWN:	WWC	8/04/03	SCALE:	NONE
CHECKED:	AC	8/04/03	WORK ORDER:	N/A
CHIEF DR.:			DCA/MOC NO.:	N/A
ENGINEER:	WGF		PLANT CODE:	0003
APPROVED:			D-P-SK-13	REV 0

DOC. CLASS: MOD: ISSUE:

BDR: 020515 PRFFIX: