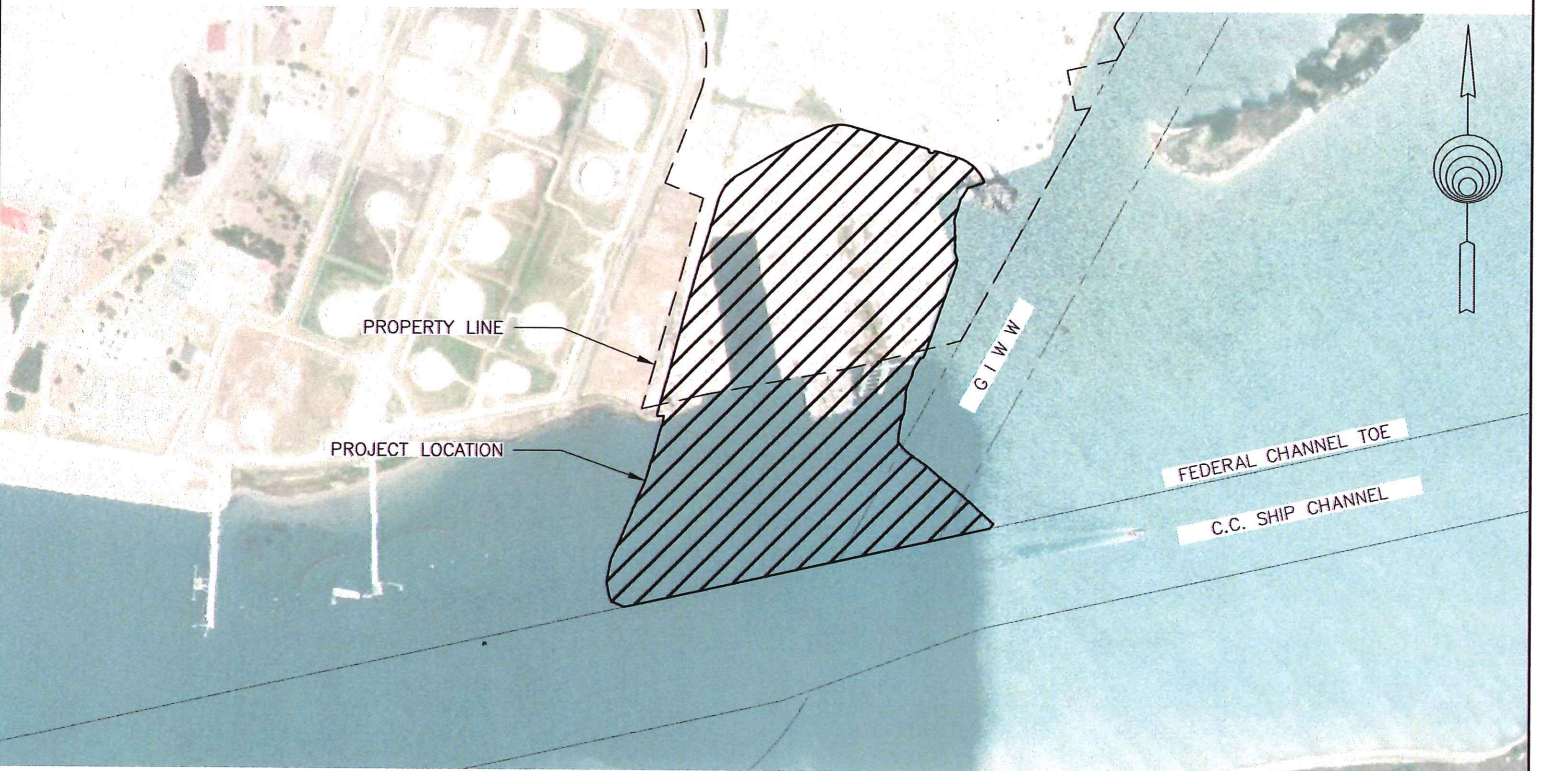


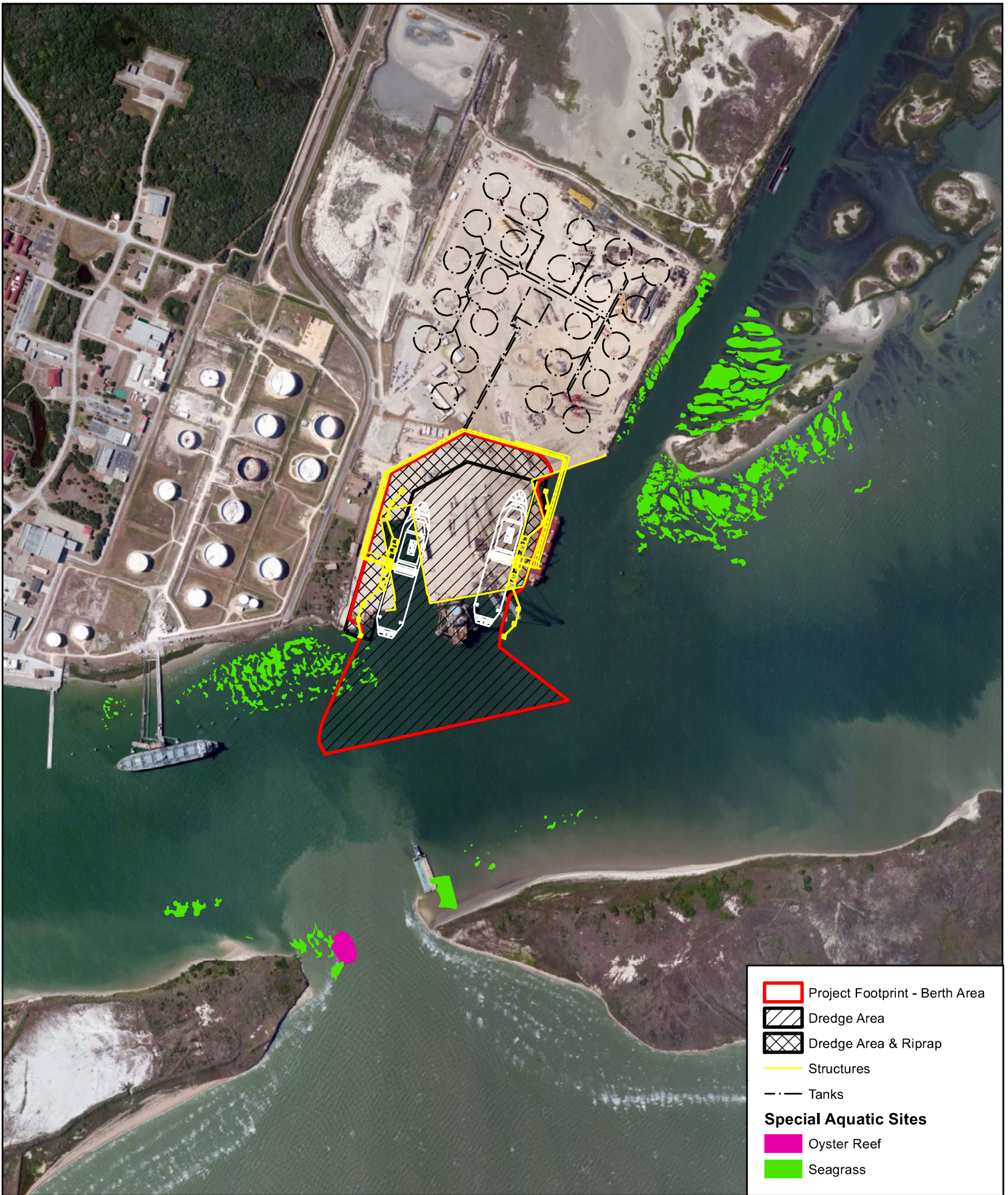
1 PROJECT VICINITY MAP
 01|01 SCALE: 1" = 5000'-0"



2 PROJECT LOCATION AND SECTION 404/10 IMPACT AREA
 01|01 SCALE: 1" = 1000'-0"

PURPOSE:	PROPOSED SHIP DOCK	OWNER:	SOUTH TEXAS GATEWAY TERMINAL LLC	BUCKEYE PARTNERS, LP SOUTH TEXAS GATEWAY TERMINAL SAN PATRICIO COUNTY, TEXAS	DESIGN BY:	TWT
		APPLIED BY:	BUCKEYE PARTNERS, LP		DRAWN BY:	JUBA
		APPLIC. NO.	SWG-2006-02562		SCALE:	AS SHOWN
LOCATION:	CORPUS CHRISTI, TX	COUNTY:	SAN PATRICIO COUNTY	DATE:	02/28/19	SHEET NO: 01
		WATER BODY:	CORPUS CHRISTI SHIP CHANNEL			
		DATUM:	DATUM			

FILE NAME: 0:\115000\119453\CAD\PERMIT\CAD\119453-01.dwg PLOTTED: 2/27/2013 9:48:49 AM USER: JUDAS BOONILL



	Project Footprint - Berth Area
	Dredge Area
	Dredge Area & Riprap
	Structures
	Tanks
Special Aquatic Sites	
	Oyster Reef
	Seagrass

FNI PROJECT NUMBER	KIL12475
DATE CREATED	Date: 4/18/2019
DATUM & COORDINATE SYSTEM	NAD83 State Plane (Feet) Texas Central
FILE NAME	Figure1_Project Layout Map_Berth Area - 20190417
PREPARED BY	BCK

FRESE AND NICHOLS, INC.
 10431 MORADO CIRCLE
 SUITE 300
 AUSTIN, TEXAS 78759
 PHONE: 512-617-3100
 FAX: 512-617-3101

0 0.125 0.25
 Miles

Buckeye Partners LP
South Texas Gateway Terminal

Project Layout Map - Berth Area

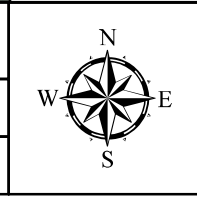




FIGURE
 1

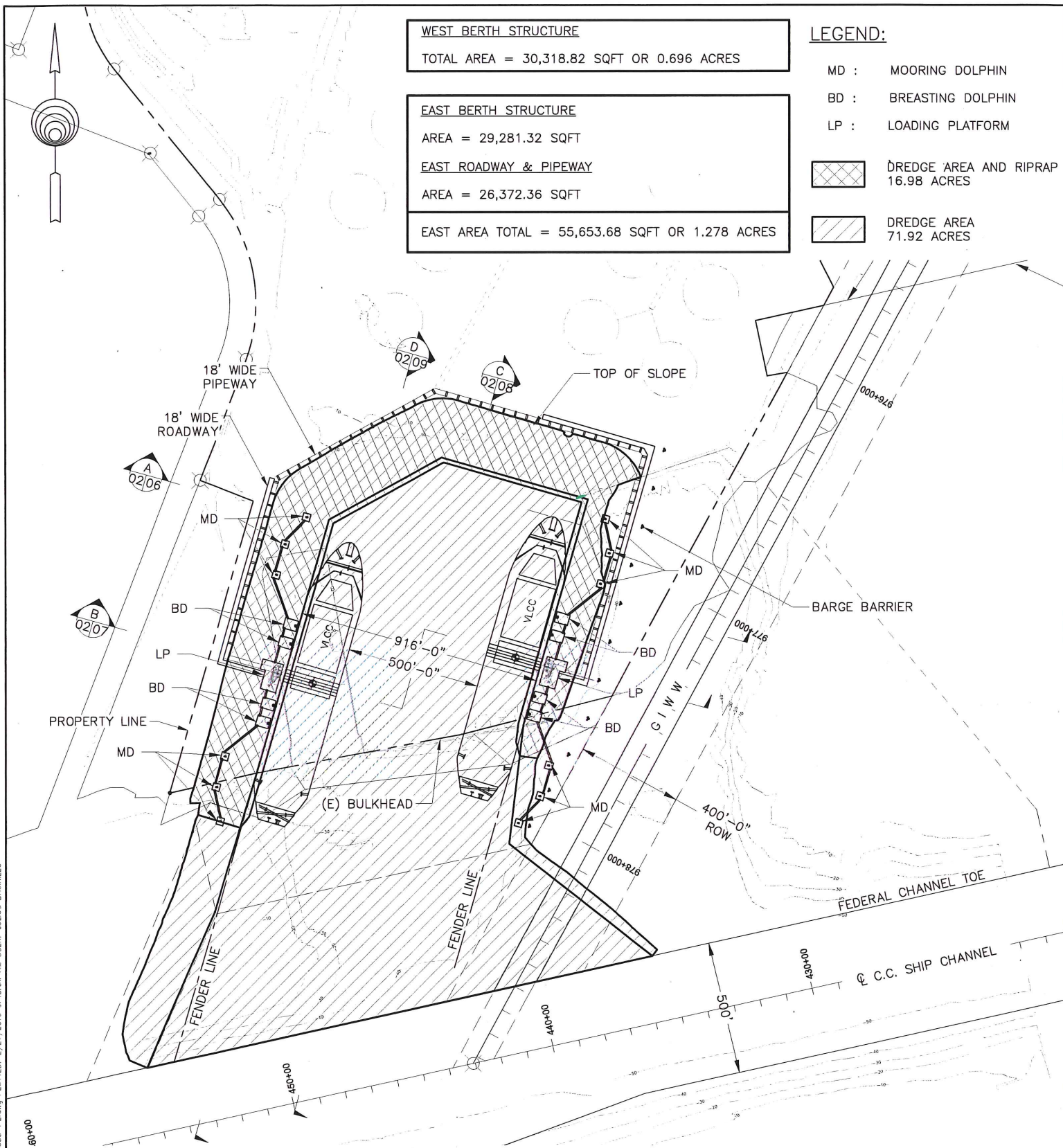
WEST BERTH STRUCTURE
 TOTAL AREA = 30,318.82 SQFT OR 0.696 ACRES

EAST BERTH STRUCTURE
 AREA = 29,281.32 SQFT

EAST ROADWAY & PIPEWAY
 AREA = 26,372.36 SQFT

EAST AREA TOTAL = 55,653.68 SQFT OR 1.278 ACRES

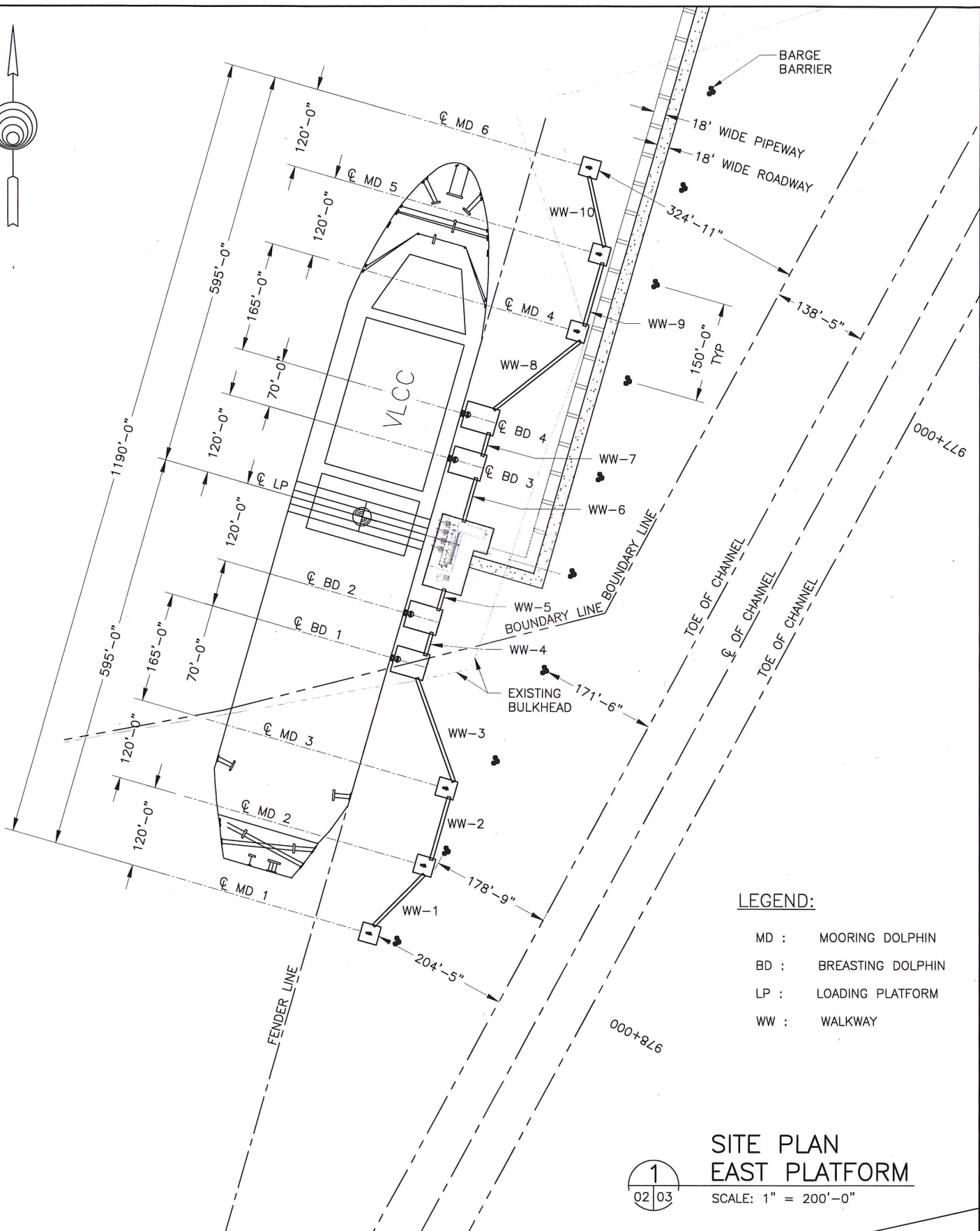
- LEGEND:**
- MD : MOORING DOLPHIN
 - BD : BREASTING DOLPHIN
 - LP : LOADING PLATFORM
 -  DREDGE AREA AND RIPRAP 16.98 ACRES
 -  DREDGE AREA 71.92 ACRES



1 OVERALL SITE PLAN
 02 | 01 SCALE: 1" = 500'-0"

FILE NAME: 02_VA1150010_VA119953\CAD\PERMIT\CAD_VA119953-P2.dwg PLOTTED: 3/27/2019 9:48:56 AM USER: JULIUS BACINILLO

PURPOSE:	PROPOSED SHIP DOCK	OWNER:	SOUTH TEXAS GATEWAY TERMINAL LLC	BUCKEYE PARTNERS, LP <small>SOUTH TEXAS GATEWAY TERMINAL SAN PATRICIO COUNTY, TEXAS</small>	DESIGN BY:	TWT
		APPLIED BY:	BUCKEYE PARTNERS, LP		DRAWN BY:	JUBA
LOCATION:	CORPUS CHRISTI, TX	APPLIC. NO.:	SWG-2006-02562		SCALE:	AS SHOWN
		COUNTY:	SAN PATRICIO COUNTY		DATE:	02/28/19
		WATER BODY:	CORPUS CHRISTI SHIP CHANNEL		SHEET NO.:	02
		DATUM:	DATUM			



LEGEND:

- MD : MOORING DOLPHIN
- BD : BREASTING DOLPHIN
- LP : LOADING PLATFORM
- WW : WALKWAY

**SITE PLAN
EAST PLATFORM**



SCALE: 1" = 200'-0"

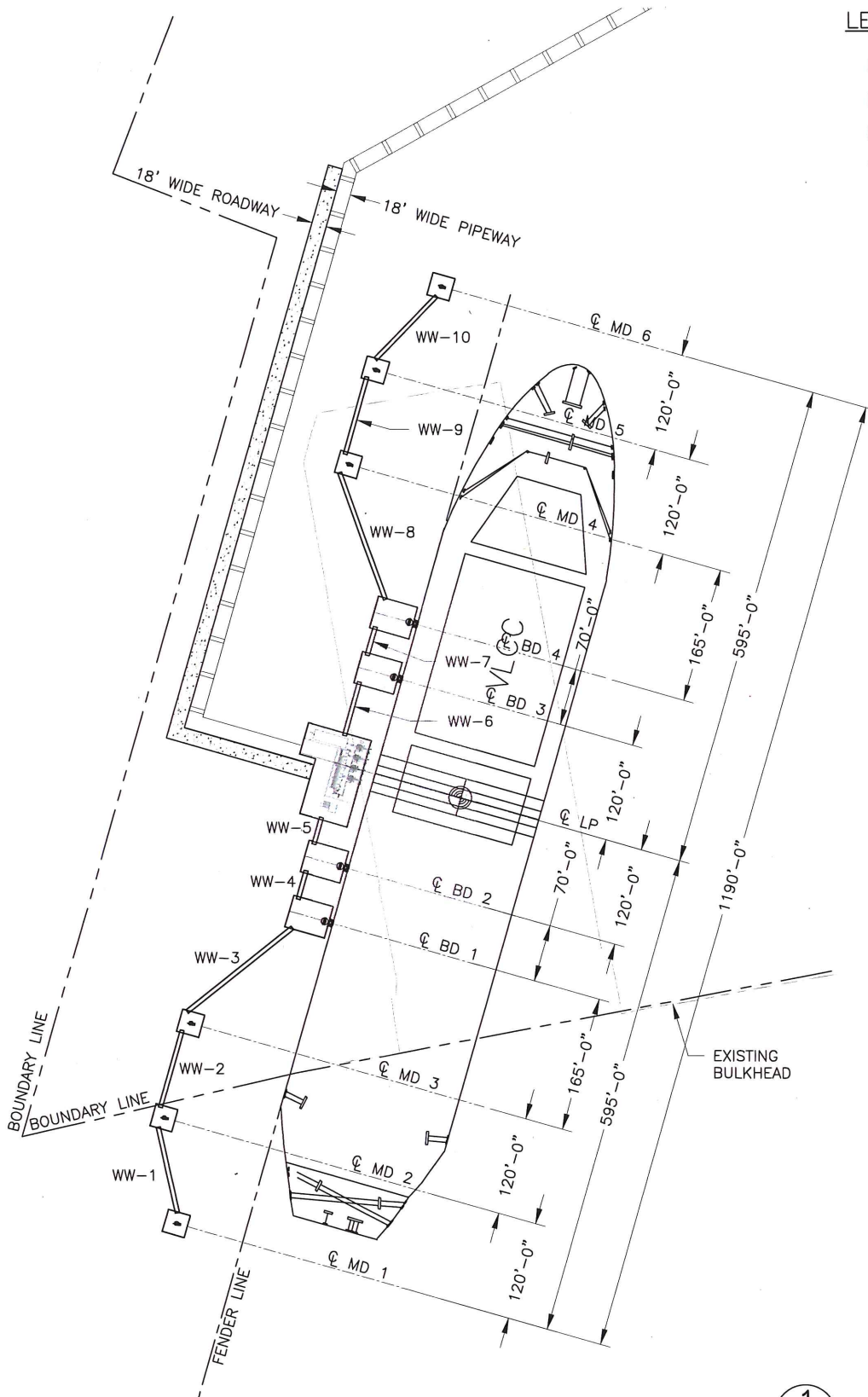
PURPOSE:	PROPOSED SHIP DOCK	OWNER:	SOUTH TEXAS GATEWAY TERMINAL LLC	BUCKEYE PARTNERS, LP SOUTH TEXAS GATEWAY TERMINAL SAN PATRICIO COUNTY, TEXAS	DESIGN BY:	TWT
		APPLIED BY:	BUCKEYE PARTNERS, LP		DRAWN BY:	JUBA
		APPLIC. NO.	SWG-2006-02562		SCALE:	AS SHOWN
LOCATION:	CORPUS CHRISTI, TX	COUNTY:	SAN PATRICIO COUNTY	DATE:	02/28/19	
		WATER BODY:	CORPUS CHRISTI SHIP CHANNEL	SHEET NO:	04	
		DATUM:	DATUM			

FILE NAME: O:\VAT15000\A119953\CAD\PERMIT\CAD\A119953-P3-P4.dwg PLOTTED: 2/27/2019 9:48:00 AM USER: JULIUS BACHILLIO



LEGEND:

- MD : MOORING DOLPHIN
- BD : BREASTING DOLPHIN
- LP : LOADING PLATFORM
- WW : WALKWAY



**SITE PLAN
WEST PLATFORM**



SCALE: 1" = 200'-0"

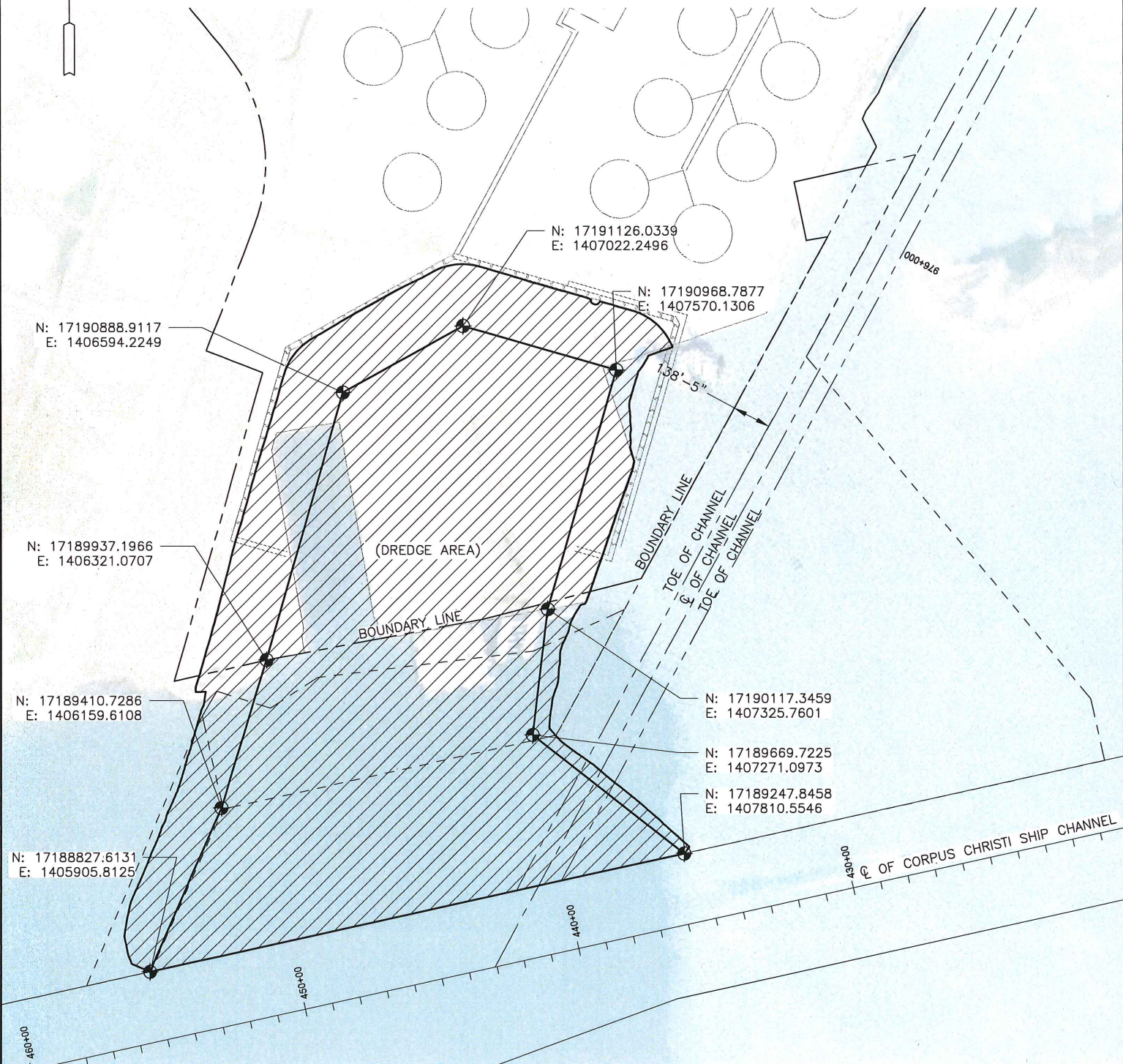
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PURPOSE:	PROPOSED SHIP DOCK	OWNER:	SOUTH TEXAS GATEWAY TERMINAL LLC	BUCKEYE PARTNERS, LP <small>SOUTH TEXAS GATEWAY TERMINAL SAN PATRICIO COUNTY, TEXAS</small>	DESIGN BY:	TWT
		APPLIED BY:	BUCKEYE PARTNERS, LP		DRAWN BY:	JUBA
LOCATION:	CORPUS CHRISTI, TX	APPLIC. NO.	SWG-2006-02562		SCALE:	AS SHOWN
		COUNTY:	SAN PATRICIO COUNTY		DATE:	02/28/19
		WATER BODY:	CORPUS CHRISTI SHIP CHANNEL		SHEET NO:	03
		DATUM:	DATUM			

LEGEND:



DREDGE AREA = 71.92 ACRES
VOLUME = 4,188,000 CY



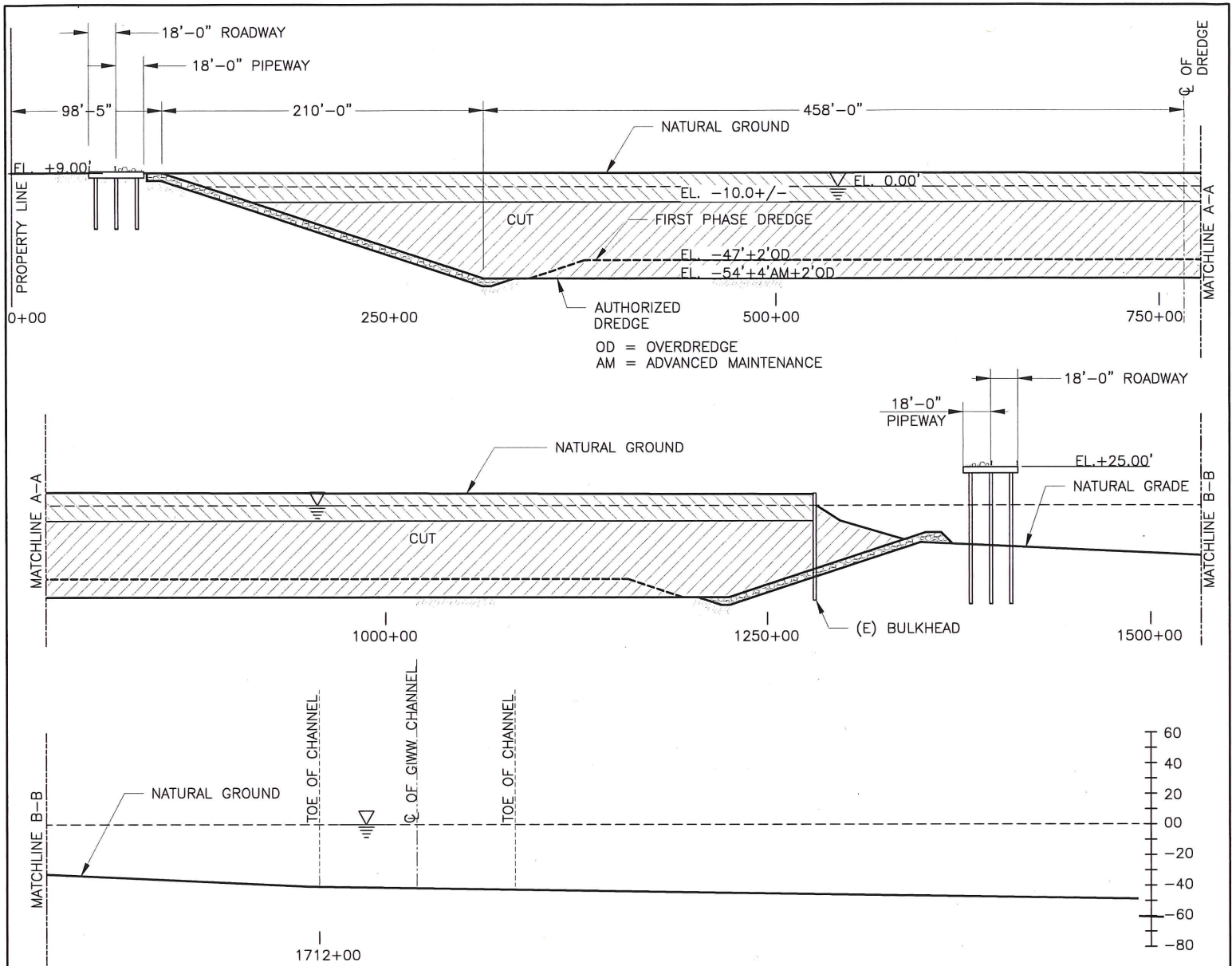
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02 | 04

DREDGE AREA

SCALE: 1" = 500'-0"




PURPOSE:	PROPOSED SHIP DOCK	OWNER:	SOUTH TEXAS GATEWAY TERMINAL LLC	BUCKEYE PARTNERS, LP <small>SOUTH TEXAS GATEWAY TERMINAL SAN PATRICIO COUNTY, TEXAS</small>	DESIGN BY:	TWT
		APPLIED BY:	BUCKEYE PARTNERS, LP		DRAWN BY:	JUBA
LOCATION:	CORPUS CHRISTI, TX	APPLIC. NO.:	SWG-2006-02562		SCALE:	AS SHOWN
		COUNTY:	SAN PATRICIO COUNTY		DATE:	02/28/19
		WATER BODY:	CORPUS CHRISTI SHIP CHANNEL	SHEET NO:	05	
		DATUM:	DATUM			

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OD = OVERDREDGE
AM = ADVANCED MAINTENANCE

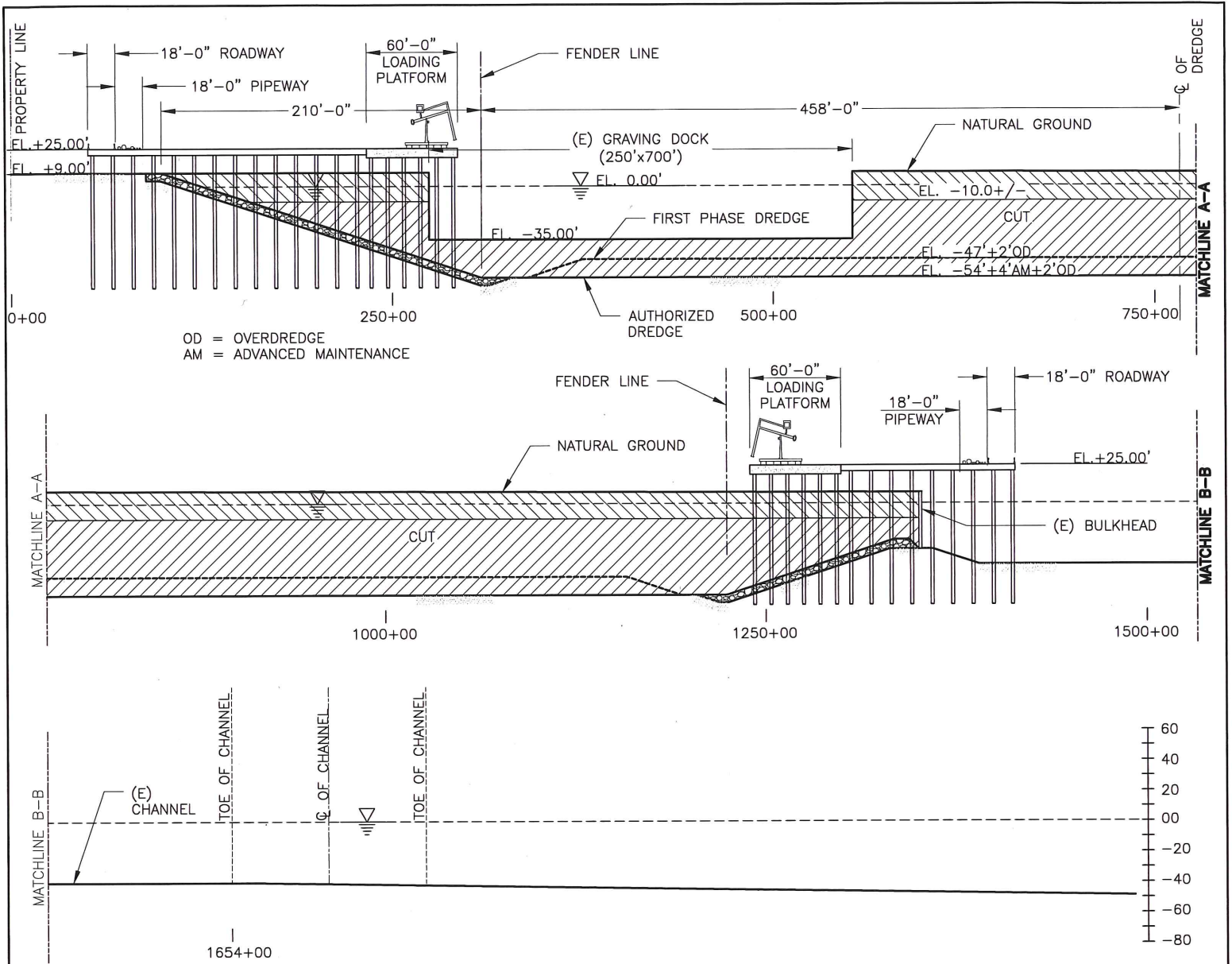
LEGEND:

-  RIPRAP
VOLUME = 150,000 CY
-  UPLAND EXCAVATION
VOLUME = 883,000 CY
-  REGULATED DREDGING
VOLUME = 2,158,000 CY (INSIDE (E) BULKHEAD)
VOLUME = 2,030,000 CY (OUTSIDE (E) BULKHEAD)
TOTAL = 4,188,000 CY

SECTION A
SCALE: 1" = 100'-0"




PURPOSE:	PROPOSED SHIP DOCK	OWNER:	SOUTH TEXAS GATEWAY TERMINAL LLC	BUCKEYE PARTNERS, LP <small>SOUTH TEXAS GATEWAY TERMINAL SAN PATRICIO COUNTY, TEXAS</small>	DESIGN BY: TWT
	LOCATION:	CORPUS CHRISTI, TX	APPLIED BY:		BUCKEYE PARTNERS, LP
APPLIC. NO.			SWG-2006-02562		SCALE: AS SHOWN
		COUNTY:	SAN PATRICIO COUNTY		DATE: 02/28/19
		WATER BODY:	CORPUS CHRISTI SHIP CHANNEL	SHEET NO: 06	
		DATUM:	DATUM		

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OD = OVERDREDGE
AM = ADVANCED MAINTENANCE

LEGEND:

-  RIPRAP
VOLUME = 150,000 CY
-  UPLAND EXCAVATION
VOLUME = 883,000 CY
-  REGULATED DREDGING
VOLUME = 2,158,000 CY (INSIDE (E) BULKHEAD)
VOLUME = 2,030,000 CY (OUTSIDE (E) BULKHEAD)
TOTAL = 4,188,000 CY

1
02 | 07

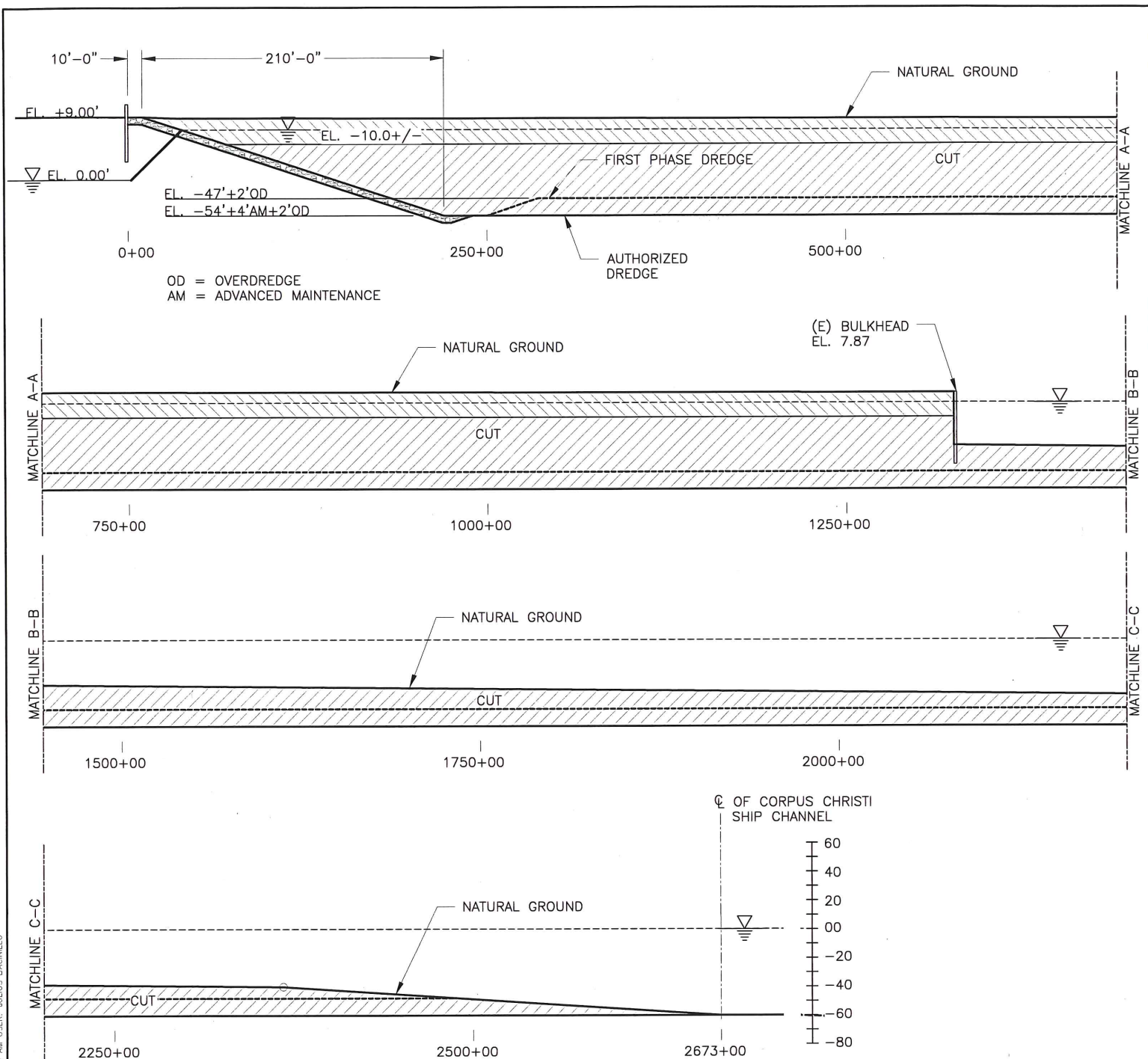
SECTION B

SCALE: 1" = 100'-0"

PURPOSE:	PROPOSED SHIP DOCK	OWNER:	SOUTH TEXAS GATEWAY TERMINAL LLC	BUCKEYE PARTNERS, LP <small>SOUTH TEXAS GATEWAY TERMINAL SAN PATRICIO COUNTY, TEXAS</small>	DESIGN BY:	TWT
		APPLIED BY:	BUCKEYE PARTNERS, LP		DRAWN BY:	JUBA
LOCATION:	CORPUS CHRISTI, TX	APPLIC. NO.	SWG-2006-02562		SCALE:	AS SHOWN
		COUNTY:	SAN PATRICIO COUNTY		DATE:	02/28/19
		WATER BODY:	CORPUS CHRISTI SHIP CHANNEL		SHEET NO:	07
		DATUM:	DATUM			

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OD = OVERDREDGE
AM = ADVANCED MAINTENANCE

SECTION C
SCALE: 1" = 100'-0"

LEGEND:

-  RIPRAP
VOLUME = 150,000 CY
-  UPLAND EXCAVATION
VOLUME = 883,000 CY
-  REGULATED DREDGING
VOLUME = 2,158,000 CY (INSIDE (E) BULKHEAD)
VOLUME = 2,030,000 CY (OUTSIDE (E) BULKHEAD)
TOTAL = 4,188,000 CY

PURPOSE:	PROPOSED SHIP DOCK	OWNER:	SOUTH TEXAS GATEWAY TERMINAL LLC	BUCKEYE PARTNERS, LP <small>SOUTH TEXAS GATEWAY TERMINAL SAN PATRICIO COUNTY, TEXAS</small>	DESIGN BY:	TWT
		APPLIED BY:	BUCKEYE PARTNERS, LP		DRAWN BY:	JUBA
APPLIC. NO.:	SWG-2006-02562	SCALE:	AS SHOWN			
LOCATION:	CORPUS CHRISTI, TX	COUNTY:	SAN PATRICIO COUNTY		DATE:	02/28/19
		WATER BODY:	CORPUS CHRISTI SHIP CHANNEL		SHEET NO:	08
		DATUM:	DATUM			

LEGEND:



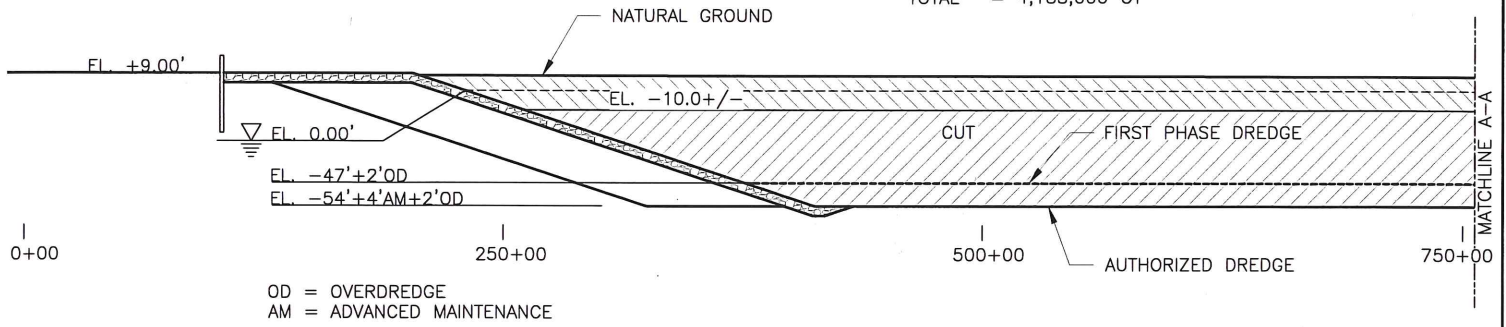
RIPRAP
VOLUME = 150,000 CY



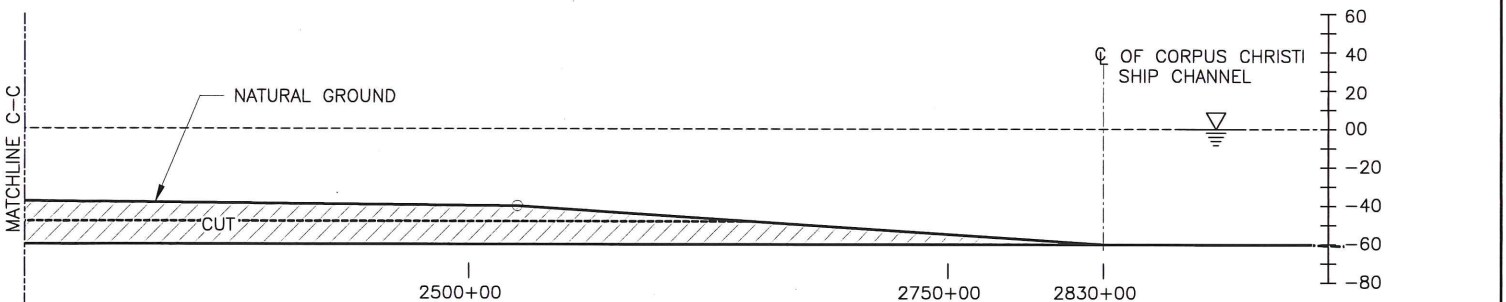
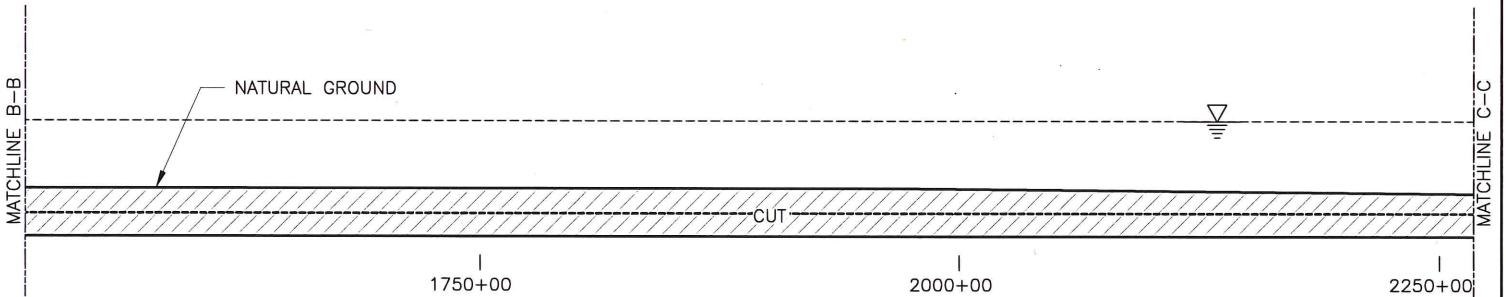
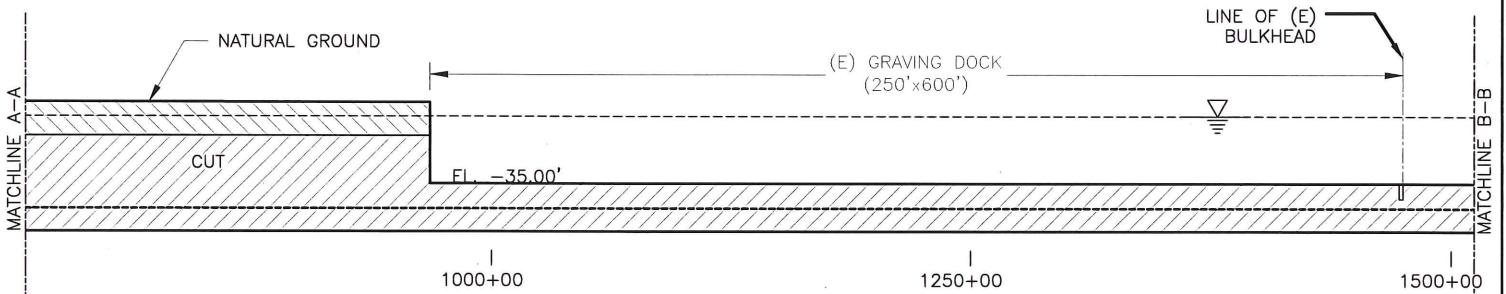
UPLAND EXCAVATION
VOLUME = 883,000 CY



REGULATED DREDGING
VOLUME = 2,158,000 CY (INSIDE (E) BULKHEAD)
VOLUME = 2,030,000 CY (OUTSIDE (E) BULKHEAD)
TOTAL = 4,188,000 CY



OD = OVERDREDGE
AM = ADVANCED MAINTENANCE



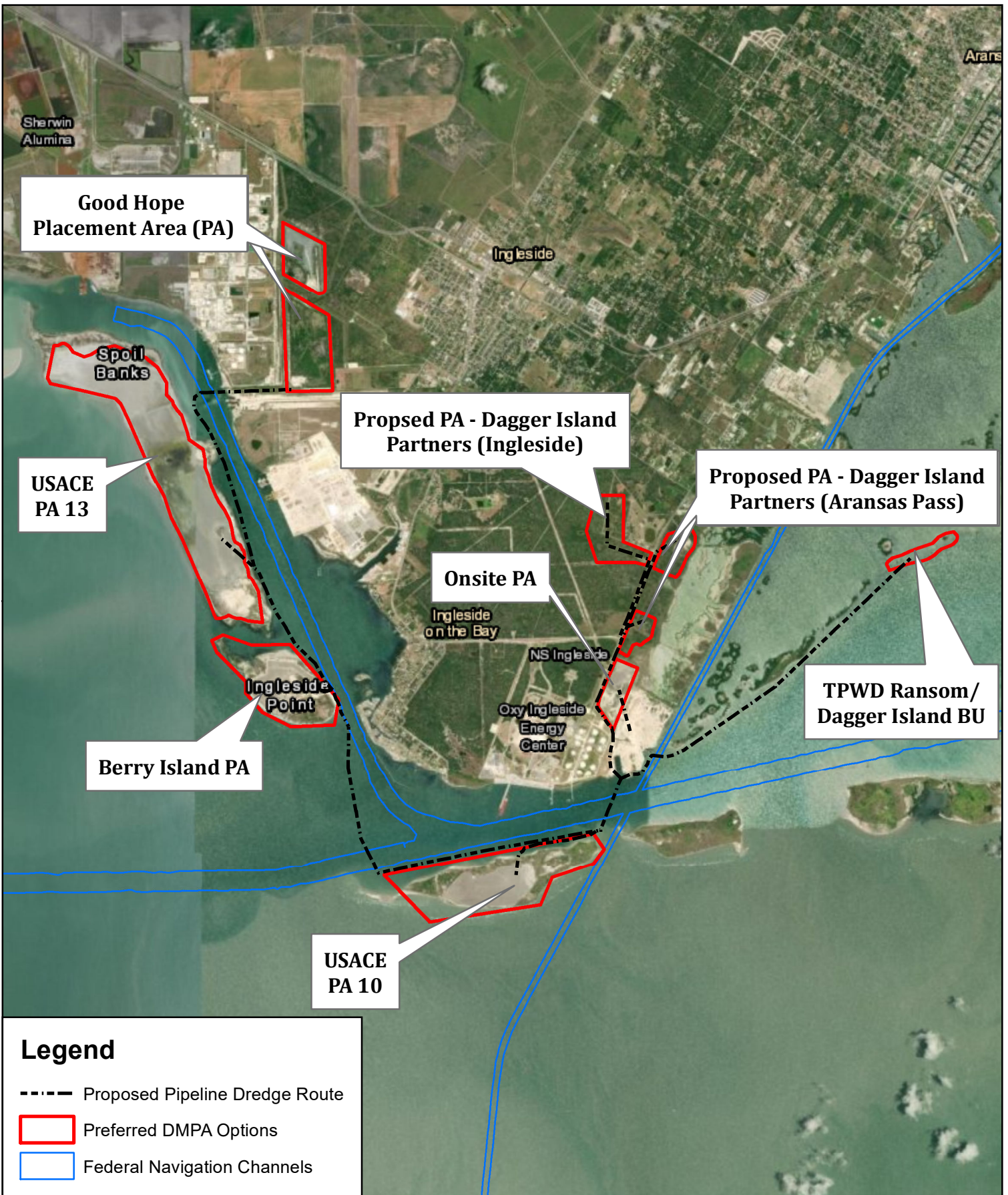
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02 | 09

SECTION D

SCALE: 1" = 100'-0"

PURPOSE:	PROPOSED SHIP DOCK	OWNER:	SOUTH TEXAS GATEWAY TERMINAL LLC	BUCKEYE PARTNERS, LP SOUTH TEXAS GATEWAY TERMINAL SAN PATRICIO COUNTY, TEXAS	DESIGN BY:	TWT
		APPLIED BY:	BUCKEYE PARTNERS, LP		DRAWN BY:	JUBA
LOCATION:	CORPUS CHRISTI, TX	APPLIC. NO.:	SWG-2006-02562		SCALE:	AS SHOWN
		COUNTY:	SAN PATRICIO COUNTY		DATE:	02/28/19
		WATER BODY:	CORPUS CHRISTI SHIP CHANNEL	SHEET NO.:	09	
		DATUM:	DATUM			

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FNI PROJECT NUMBER	KIL12475
DATE CREATED	Date: 4/18/2019
DATUM & COORDINATE SYSTEM	NAD83 State Plane (Feet) Texas Central
FILE NAME	FigureX_DMPA Dredge Pipeline Locations20190307
PREPARED BY	BCK

FREESE AND NICHOLS, INC.
 10431 MORADO CIRCLE
 SUITE 300
 AUSTIN, TEXAS 78759
 PHONE: 512-617-3100
 FAX: 512-617-3101

0 0.25 0.5 1 1.5 2 Miles

Buckeye Partners LP
Proposed South Texas Gateway Terminal LLC Project
 Preferred DMPA and Pipeline Dredge Routes

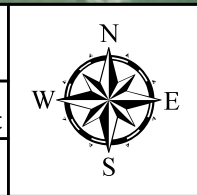
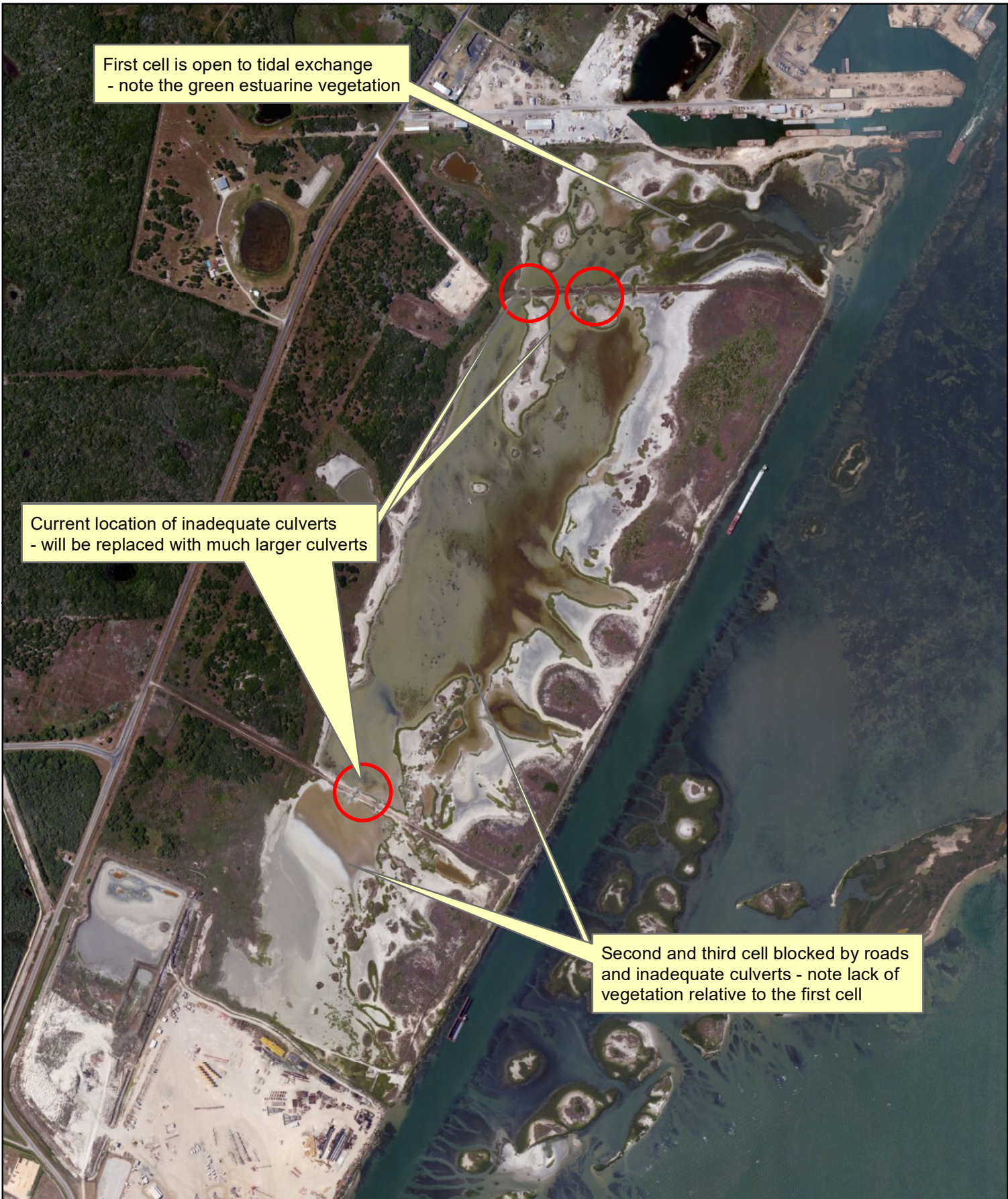


FIGURE
9



First cell is open to tidal exchange
- note the green estuarine vegetation

Current location of inadequate culverts
- will be replaced with much larger culverts

Second and third cell blocked by roads
and inadequate culverts - note lack of
vegetation relative to the first cell

FNI PROJECT NUMBER	KIL12475
DATE CREATED	Date: 4/16/2019
DATUM & COORDINATE SYSTEM	NAD83 State Plane (Feet) Texas Central
FILE NAME	Name: FigureX_mitigation_plan
PREPARED BY	BCK

FRESE AND NICHOLS
 10431 MORADO CIRCLE
 SUITE 300
 AUSTIN, TEXAS 78759
 PHONE: 512-617-3100
 FAX: 512-617-3101

0 0.125 0.25
 Miles

Buckeye Partners LP
South Texas Gateway Terminal

Potential Mitigation

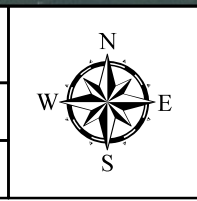


FIGURE
1