



**PROJECT IS LOCATED AT  
N29°17'55.98" W94°50'31.46"  
WEST GULF MARINE  
6000 HARBORSIDE DR  
GALVESTON, TX 77554**

**APPROXIMATELY 5.1 MILES EAST  
OF SCHOLES FIELD AIRPORT**



**MAP CENTER IS AT N29°17'55.98" W94°50'31.46"  
VIRGINIA POINT QUADRANGLE  
PROJECTION IS UTM ZONE 15 NAD83 DATUM**

NOT FOR CONSTRUCTION

**ATKINS**

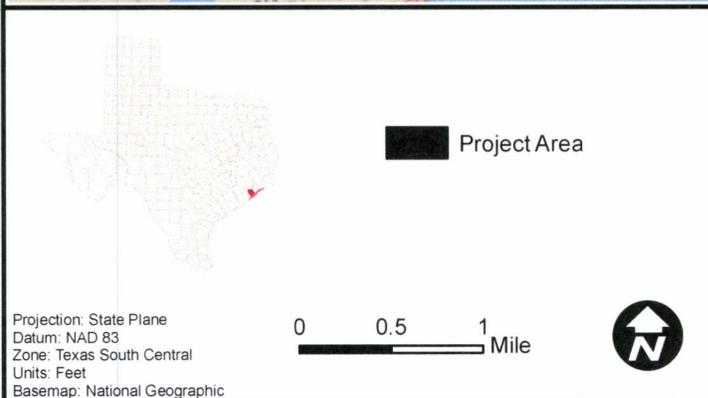
CORPORATE OFFICE: 4035 W. BOY SCOTT BOULEVARD TAMPA, FLORIDA 33607  
LOCAL OFFICE: 1250 WOOD BRANCH PARK DR. HOUSTON, TX 77079  
FBRP CERTIFICATE OF AUTHORIZATION NO.24  
TEL. 281.493.5100  
FAX. 281.493.1047  
www.atkinsglobal.com

GENERAL LOCATION MAP

WEST GULF MARINE, INC  
NEW BULKHEAD AND DREDGING PROJECT

**SHEET  
01**

DATE: 10/22/2015	PERMIT NO: LOP NO. 15913(4)	SCALE: N.T.S.	JOB NO: 100045861
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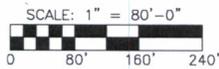
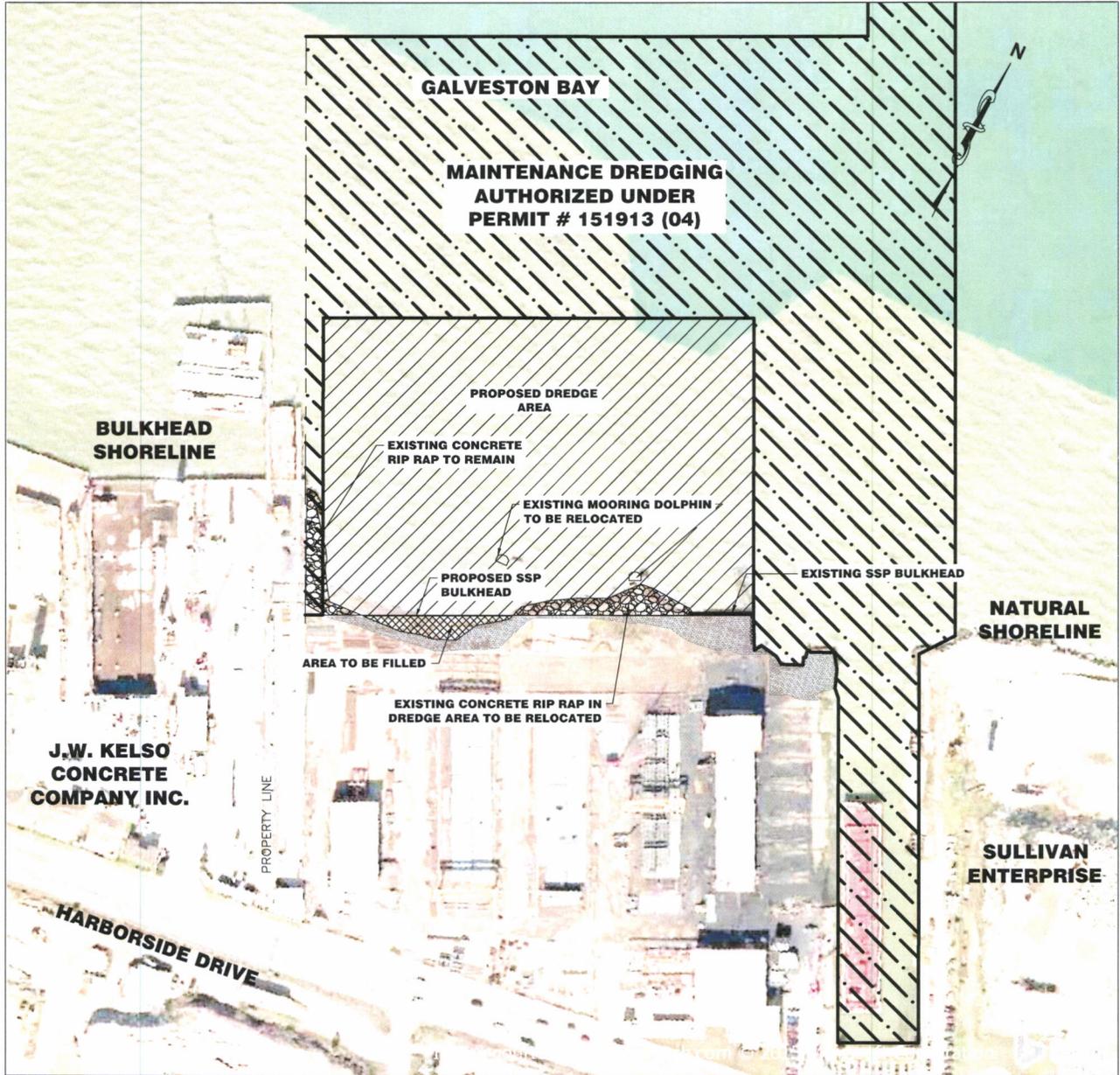
**Figure 1  
 Project Vicinity Map  
 West Gulf Marine**

**Galveston Quadrangle  
 Galveston County, Texas**

Prepared By: Atkins/18827	1 inch = 1 miles
Job No.: 100041229	Date: Oct 22, 2015

File: N:\U\_Z\West\_Gulf\_Marine\100041229\geovigs\Vicinity.mxd

Service Layer Credits: National Geographic, Esri, DeLorme, HERE, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, increment P Corp.



LEGEND



INDICATES MAINTENANCE DREDGING



INDICATES NEW DREDGING

NOT FOR CONSTRUCTION

# ATKINS

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LOCAL OFFICE: 1290 WOOD BRANCH PARK DR. HOUSTON, TX 77079 TEL: 281-493-5100 FAX: 281-493-1047

## SITE PLAN WITH AERIAL

WEST GULF MARINE, INC  
NEW BULKHEAD AND DREDGING PROJECT

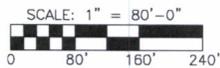
## SHEET 03

DATE: 10/22/2015

PERMIT NO.: LOP NO. 15913(4)

SCALE: AS SHOWN

JOB NO: 100045861



NOT FOR CONSTRUCTION

# ATKINS

CORPORATE OFFICE: 4630 W. BOY SCOUT BOULEVARD TAMPA, FLORIDA 33607  
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## DREDGE DISPOSAL UPLAND SITE

## WEST GULF MARINE, INC NEW BULKHEAD AND DREDGING PROJECT

# SHEET 04

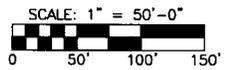
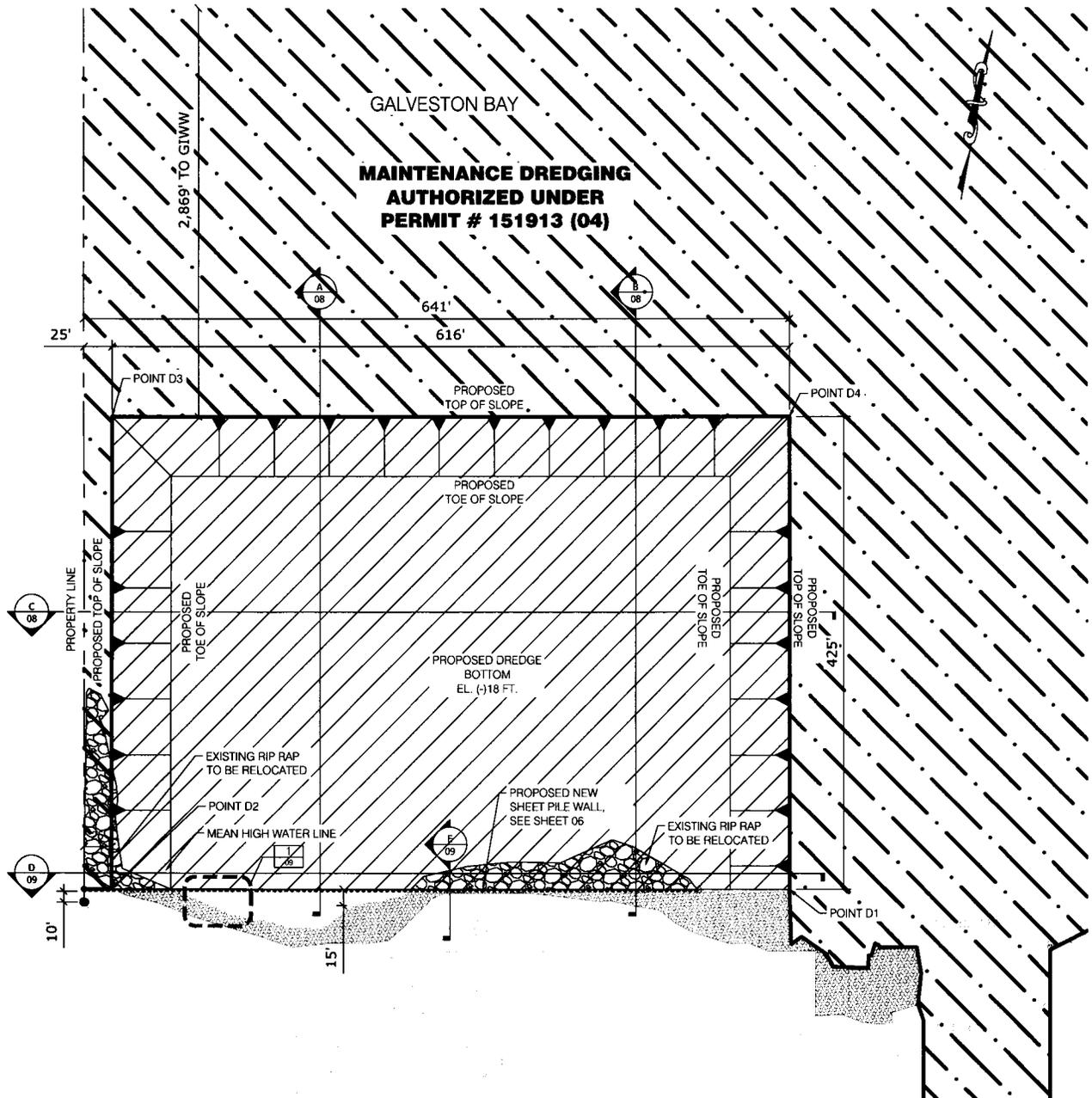
DATE: 10/22/2015	PERMIT NO: LOP NO. 15913(4)	SCALE: AS SHOWN	JOB NO: 100045861
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SWG-1994-02067

Project Plans: 5 of 9

USACE Received 21 January 2022

POINT	LAT/LONG		STATE PLANE COORDINATES	
	LATITUDE	LONGITUDE	NORTHING	EASTING
D1	N29°17'55.98"	W94°50'31.46"	13679766.15	3293407.77
D2	N29°17'53.39"	W94°50'37.78"	13679484.84	3292857.90
D3	N29°17'57.18"	W94°50'39.75"	13679861.37	3292669.96
D4	N29°17'59.77"	W94°50'33.45"	13680142.22	3293218.00



**NOTES**

1. ALL HORIZONTAL COORDINATES ARE REFERENCED TO TEXAS STATE PLANE COORDINATES, SOUTH CENTRAL ZONE, NAD83, US SURVEY FEET.
2. ALL VERTICAL ELEVATIONS ARE REFERENCED TO NAVD88.

**LEGEND:**

- INDICATES MAINTENANCE DREDGING
- INDICATES NEW DREDGING

NOT FOR CONSTRUCTION

**ATKINS**

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**DREDGE PLAN**

**WEST GULF MARINE, INC  
 NEW BULKHEAD AND DREDGING PROJECT**

**SHEET  
 05**

DATE: 10/22/2015	PERMIT NO: LOP NO. 15913(4)	SCALE: AS SHOWN	JOB NO: 100045861
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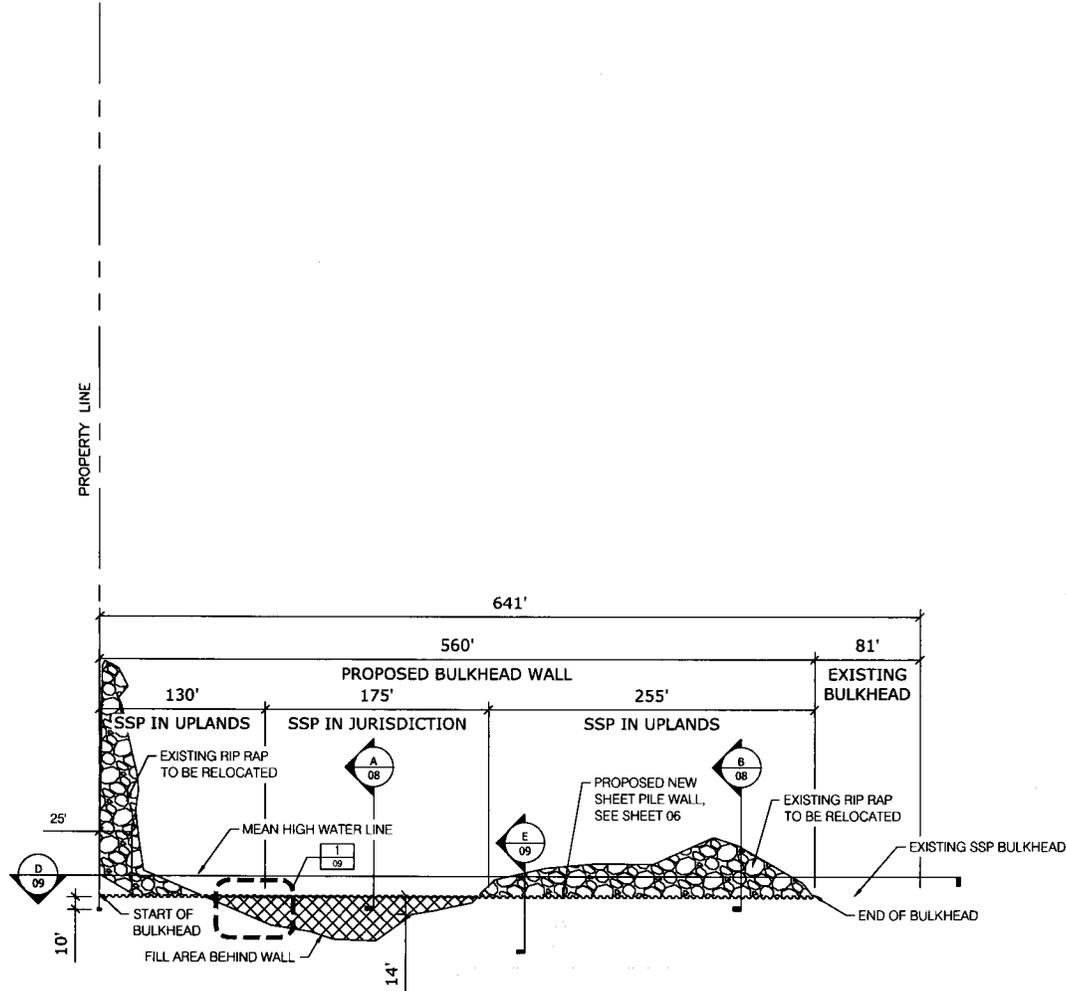
Project Plans: 6 of 9

USACE Received 21 January 2022

POINT	LAT/LONG		STATE PLANE COORDINATES	
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D4	N29°17'59.77"	W94°50'33.45"	13680142.22	3293218.00

BULKHEAD LOCATION	LAT/LONG		STATE PLANE COORDINATES	
	LATITUDE	LONGITUDE	NORTHING	EASTING
START	N29°17'53.26"	W94°50'37.97"	13679471.47	3292841.32
END	N29°17'55.61"	W94°50'32.26"	13679726.46	3293338.64

**GALVESTON BAY**

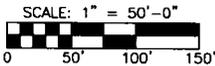


**NOTES**

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2. ALL VERTICAL ELEVATIONS ARE REFERENCED TO NAVD88.
3. EXISTING RIP RAP ALONG FRONT OF WALL TO BE RELOCATED AND SPREAD OUT EVENLY ALONG FRONT OF NEW STEEL SHEET PILE BULKHEAD UPON COMPLETION OF WALL.
4. AREA OF PROPOSED FILL, BEHIND BULKHEAD = 4,105 SQ FT = 0.094 ACRES

PROPOSED SHEET PILE WALL WITHIN JURISDICTION = 175 FT.

VOLUME OF FILL BEHIND BULKHEAD WITHIN JURISDICTION = 171 CY



**NOT FOR CONSTRUCTION**

**ATKINS**  
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**BULKHEAD PLAN**

**WEST GULF MARINE, INC**  
**NEW BULKHEAD AND DREDGING PROJECT**

DATE: 10/22/2015	PERMIT NO: LOP NO. 15913(4)	SCALE: AS SHOWN	JOB NO: 100045861
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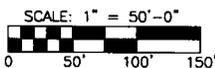
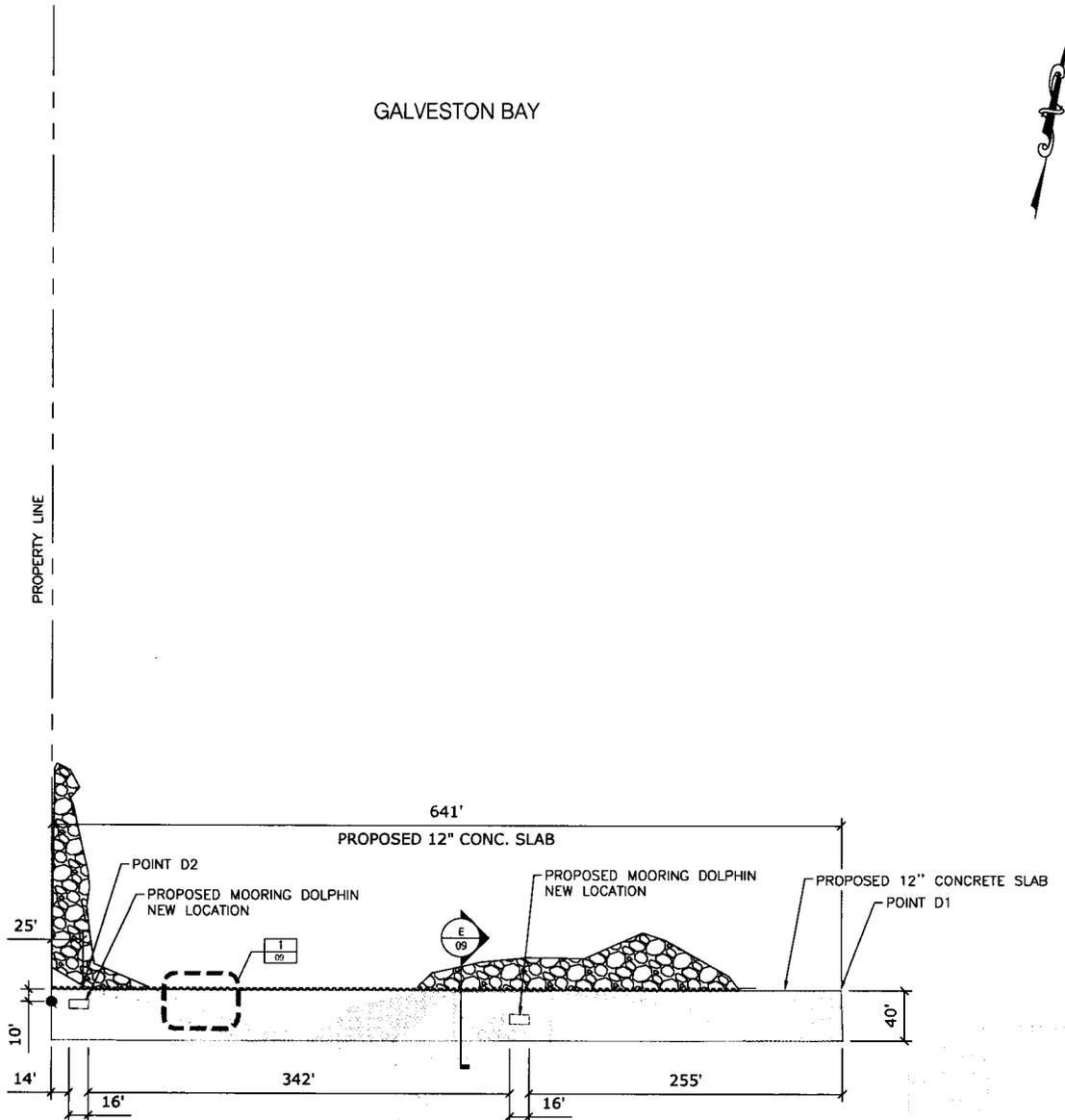
**SHEET 06**

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Project Plans: 7 of 9

USACE Received 21 January 2022

POINT	LAT/LONG		STATE PLANE COORDINATES	
	LATITUDE	LONGITUDE	NORTHING	EASTING
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**NOTES**

- ALL HORIZONTAL COORDINATES ARE REFERENCED TO TEXAS STATE PLANE COORDINATES, SOUTH CENTRAL ZONE, NAD83, US SURVEY FEET.
- ALL VERTICAL ELEVATIONS ARE REFERENCED TO NAVD88.

**LEGEND:**

INDICATES NEW CONC. SLAB

NOT FOR CONSTRUCTION

**ATKINS**

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**SLAB PLAN**

**WEST GULF MARINE, INC  
 NEW BULKHEAD AND DREDGING PROJECT**

**SHEET  
 07**

DATE: 10/22/2015	PERMIT NO: LOP NO. 15913(4)	SCALE: AS SHOWN	JOB NO: 100045861
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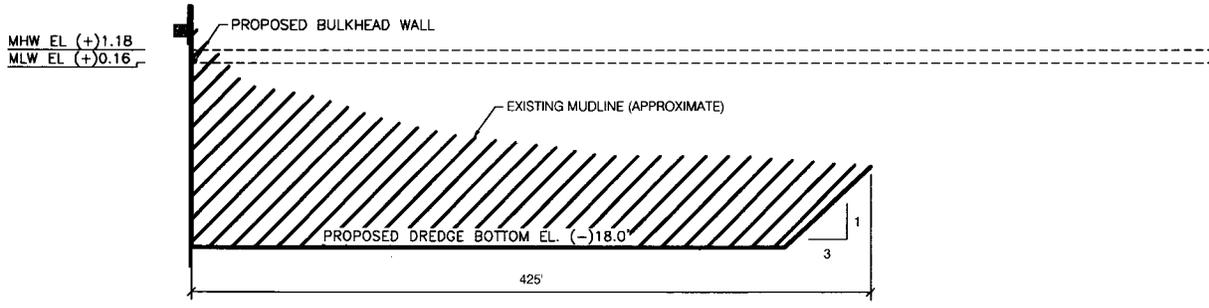
SWG-1994-02067

Project Plans: 8 of 9

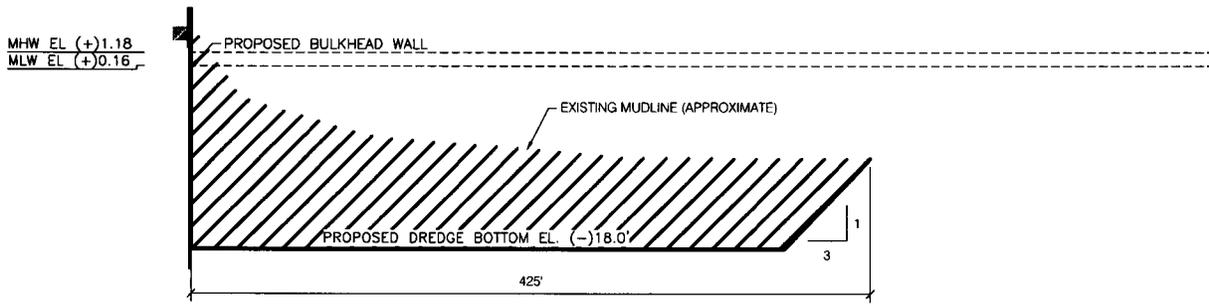
USACE Received 21 January 2022

WATER LEVELS	ELEVATION [ft]
MEAN HIGHER HIGH WATER (MHHW)	1.27
MEAN HIGH WATER (MHW)	1.18
MEAN LOW WATER (MLW)	0.16
NAVD 88 PROJECT DATUM	0.00
MEAN LOWER LOW WATER (MLLW)	-0.14

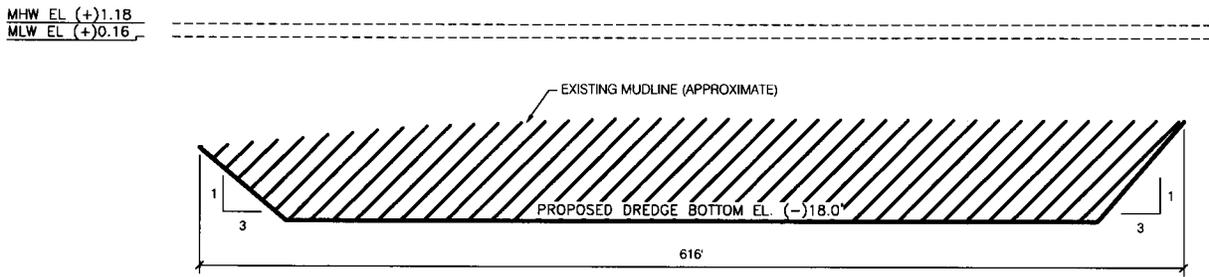
ELEVATIONS SHOWN ARE IN FEET AND ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88).



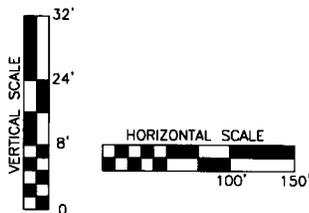
**A** SECTION



**B** SECTION



**C** SECTION



**NOTES:**

1. AMOUNT OF MATERIAL TO BE DREDGED = 100,000 CY
2. DREDGE FOOTPRINT = 261,800 SQ FT = 6.01 ACRES
3. TYPE OF DREDGING: HYDRAULIC DREDGING.

**LEGEND:**

INDICATES NEW DREDGING

NOT FOR CONSTRUCTION

**ATKINS**

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**DREDGE SECTIONS**

**WEST GULF MARINE, INC  
 NEW BULKHEAD AND DREDGING PROJECT**

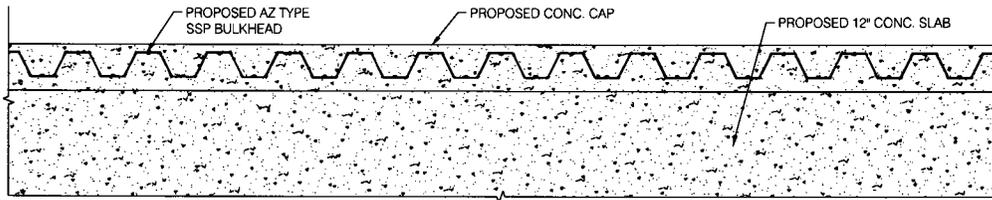
**SHEET  
 08**

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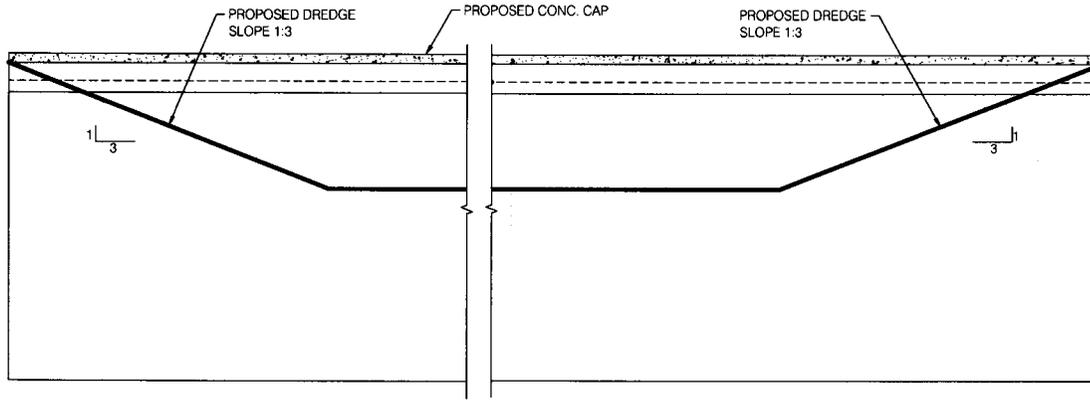
SWG-1994-02067

Project Plans: 9 of 9

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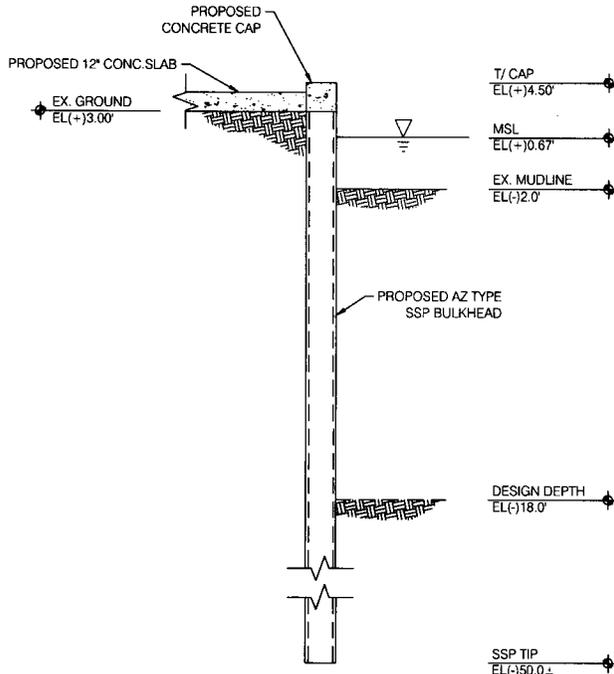


**T** DETAIL  
05  
06  
07  
SCALE: N.T.S.



**D** SECTION  
05  
06  
07  
SCALE: N.T.S.

- T/ CAP EL(+4.50')
- EX. GROUND EL(+3.0')
- MSL EL(+0.67')
- EX. MUDLINE EL(-2.0')
- B/ DREDGE EL(-18.0')
- SSP TIP EL(-50.0'±)



**E** SECTION  
05  
06  
07  
SCALE: N.T.S.

**NOTES**

1. ALL VERTICAL ELEVATIONS ARE REFERENCED TO NAVD88.

NOT FOR CONSTRUCTION

**ATKINS**

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**BULKHEAD WALL PLAN AND SECTION**

**WEST GULF MARINE, INC  
 NEW BULKHEAD AND DREDGING PROJECT**

**SHEET  
 09**

DATE: 10/22/2015	PERMIT NO: LOP NO. 15913(4)	SCALE: N.T.S.	JOB NO: 100045861
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