

SWG-1994-02067

Project Plans: 1 of 9

USACE Received 21 January 2022



**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. 301 ST. BOULEVARD  
TAMPA, FLORIDA 33607  
FBIIR CERTIFICATE OF  
AUTHORIZATION NO.24  
www.atkinsglobal.com

LOCAL OFFICE:  
1256 WOOD BRANCH PARK DR.  
HOUSTON, TX 77079  
TEL. 281.493.5100  
FAX. 281.493.1047

GENERAL LOCATION MAP

WEST GULF MARINE, INC  
NEW BULKHEAD AND DREDGING PROJECT

**SHEET  
01**

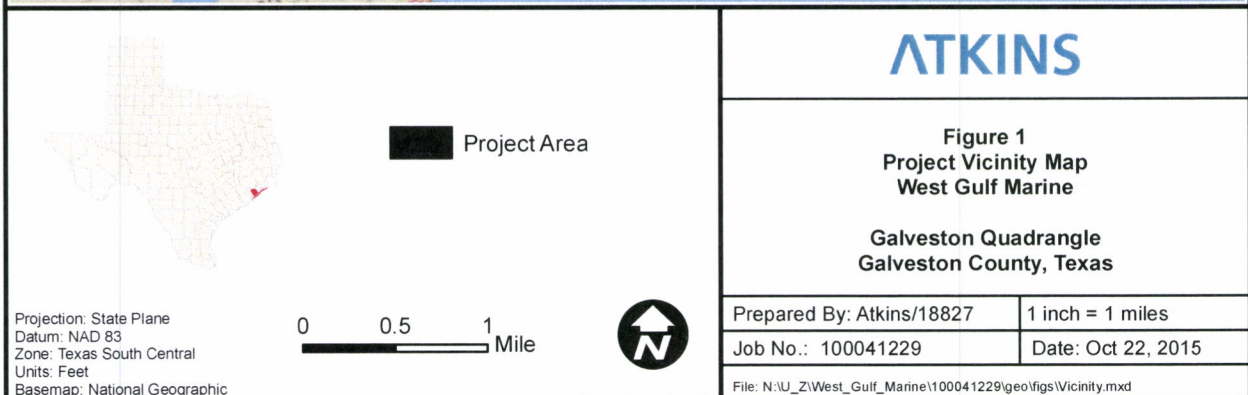
DATE:  
10/22/2015

PERMIT NO:  
LOP NO. 15913(4)

SCALE:  
N.T.S.

JOB NO:  
100045861





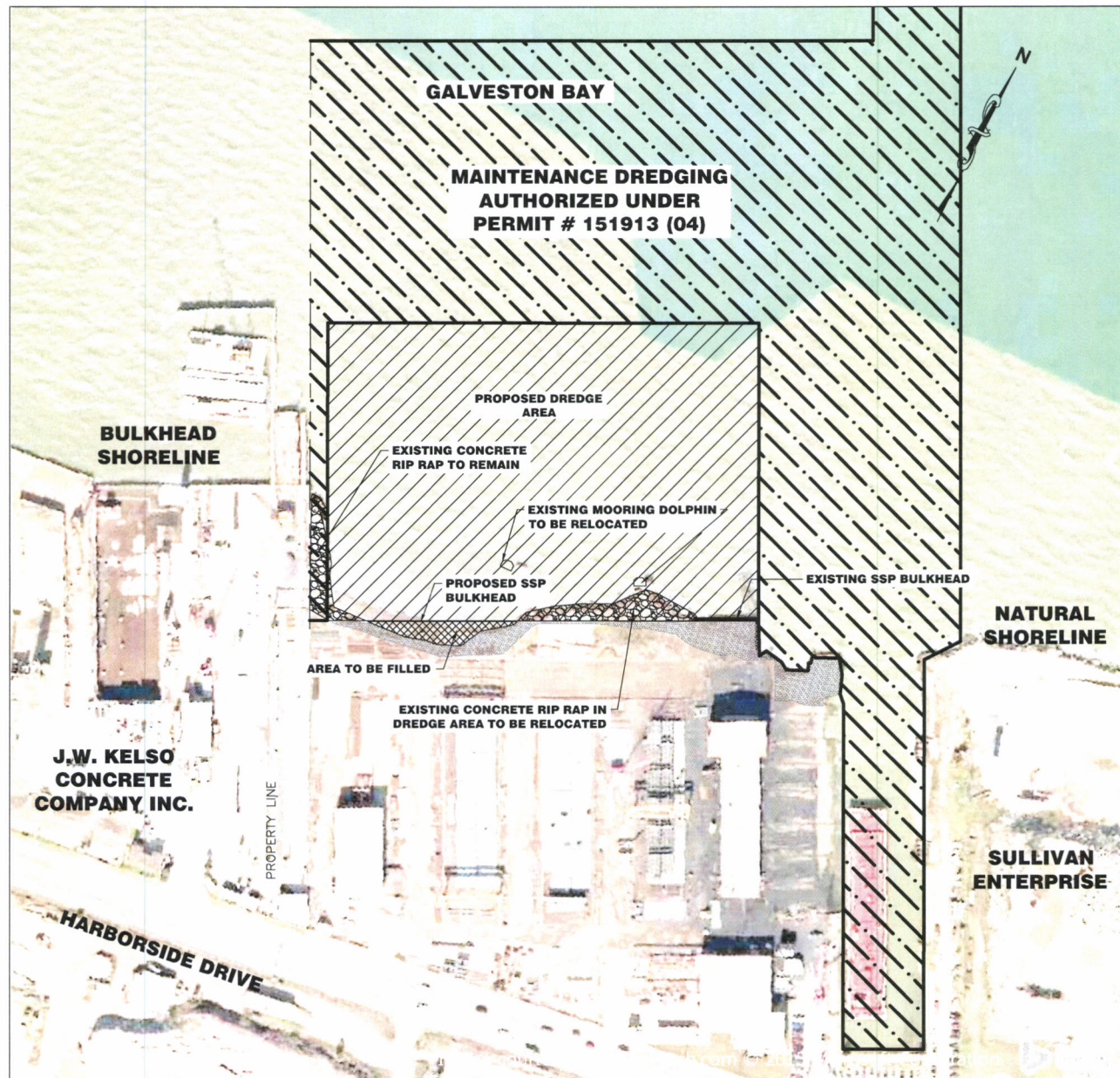


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SWG-1994-02067

Project Plans: 3 of 9

USACE Received 21 January 2022



SCALE: 1" = 80'-0"

0 80' 160' 240'

## LEGEND:



INDICATES MAINTENANCE DREDGING



INDICATES NEW DREDGING

NOT FOR CONSTRUCTION

# ATKINS

CORPORATE OFFICE: 4030 W. BOY SCOUT BOULEVARD TAMPA, FLORIDA 33607  
FBRP CERTIFICATE OF AUTHORIZATION NO. 24  
www.atkinsglobal.com

LOCAL OFFICE: 1250 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

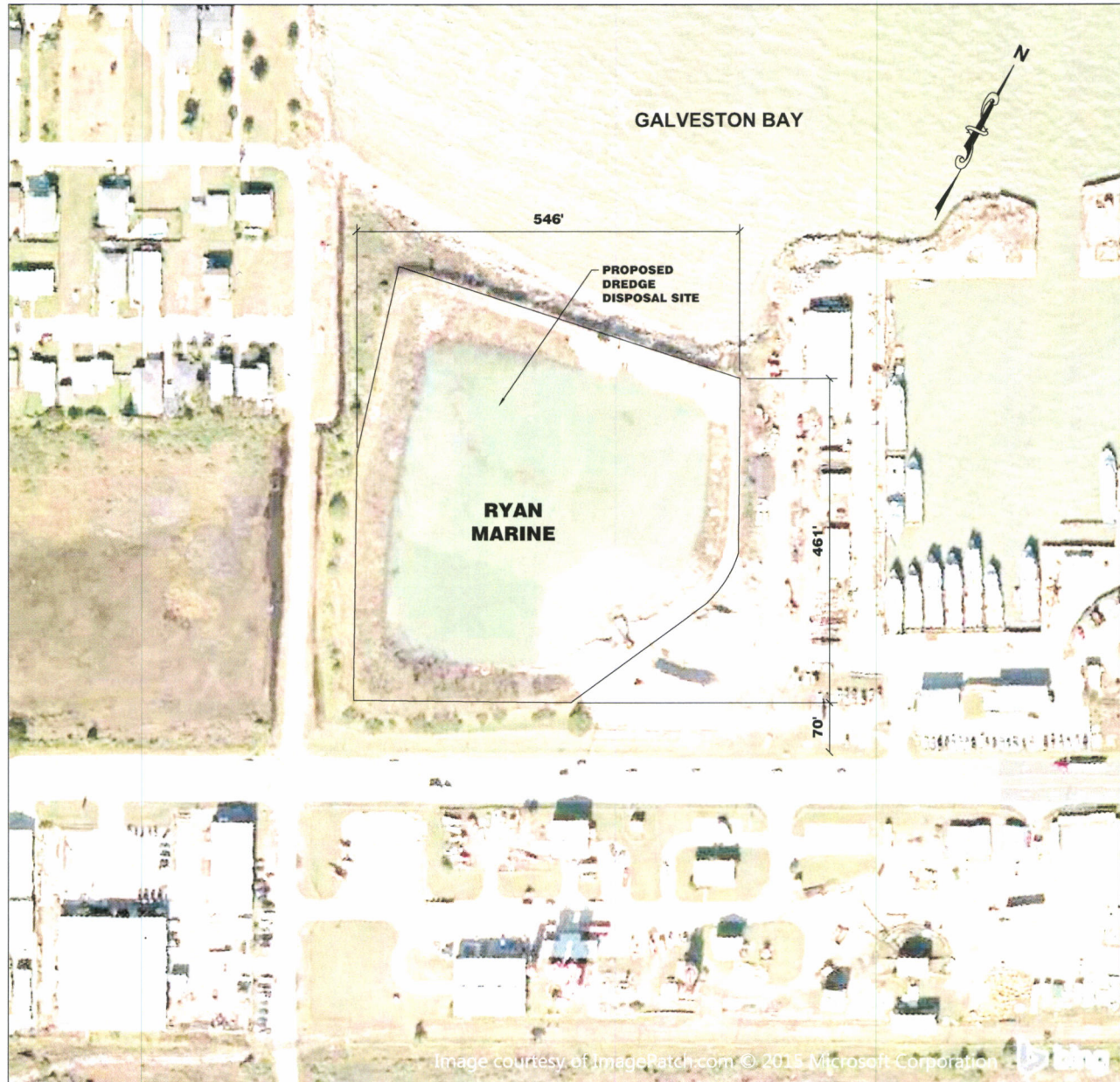


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SWG-1994-02067

Project Plans: 4 of 9

USACE Received 21 January 2022



SCALE: 1" = 80'-0"

0 80' 160' 240'

NOT FOR CONSTRUCTION

# ATKINS

CORPORATE OFFICE:  
4630 W. BOY SCOUT BOULEVARD  
TAMPA, FLORIDA 33607  
FBRP CERTIFICATE OF  
AUTHORIZATION NO.24  
www.atkinsglobal.com

LOCAL OFFICE:  
1250 WOOD BRANCH PARK DR.  
HOUSTON, TX 77079  
TEL: 281-493-5100  
FAX: 281-493-1047

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

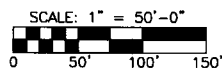
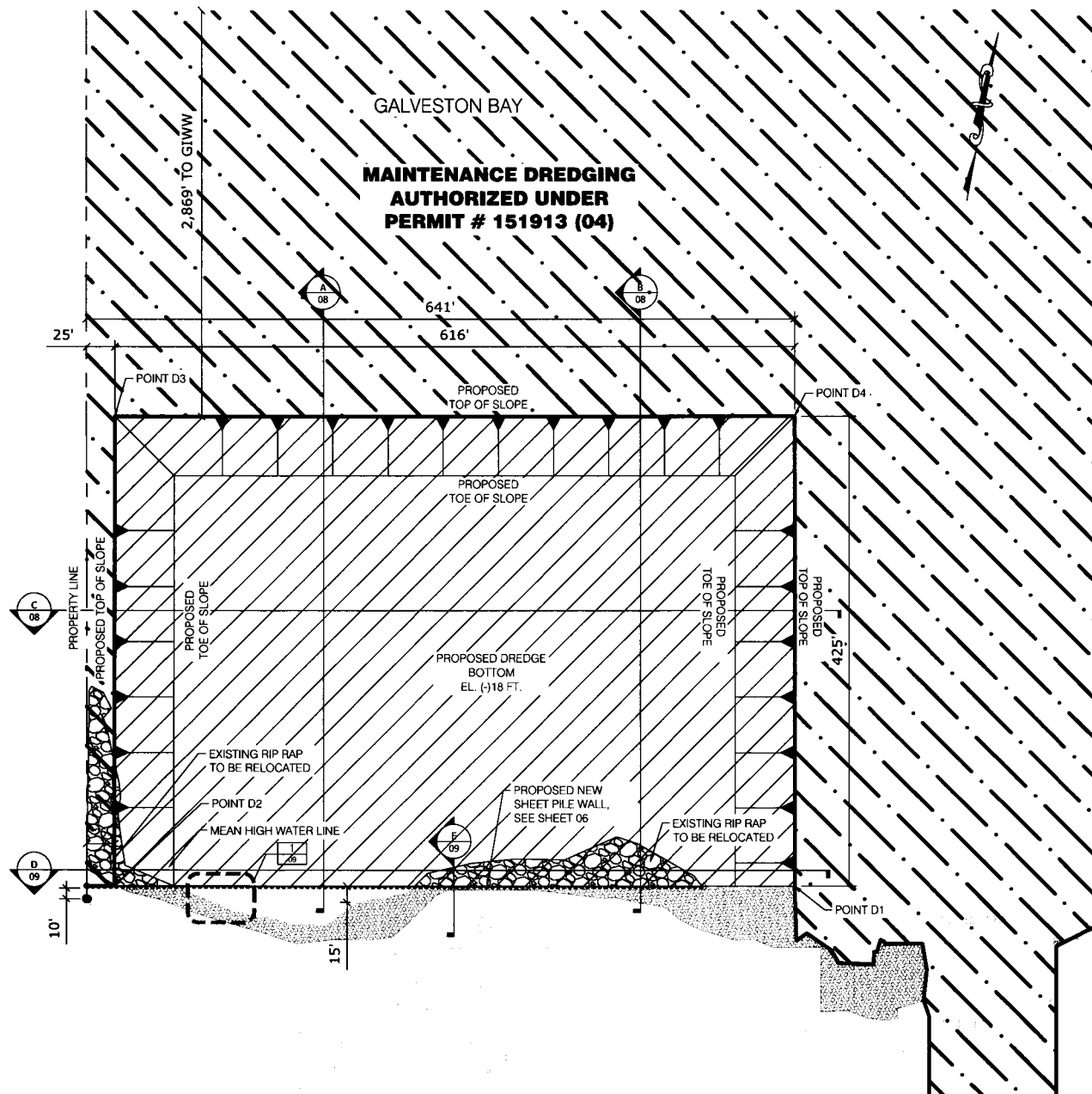
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SWG-1994-02067

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

- 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 MAINTENANCE DREDGING



INDICATES NEW DREDGING

NOT FOR CONSTRUCTION

# ATKINS

CORPORATE OFFICE:  
4000 W. BOY SCOUT BOULEVARD  
TAMPA, FLORIDA 33607  
FEDERAL CERTIFICATE OF  
AUTHORIZATION NO.24  
www.atkinsglobal.com

LOCAL OFFICE:  
1250 WOODBRANCH PARK DR.  
HOUSTON, TX 77057  
TEL: 281.483.5100  
FAX: 281.483.1047

## 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

FEB 24 2022

SWG-1994-02067

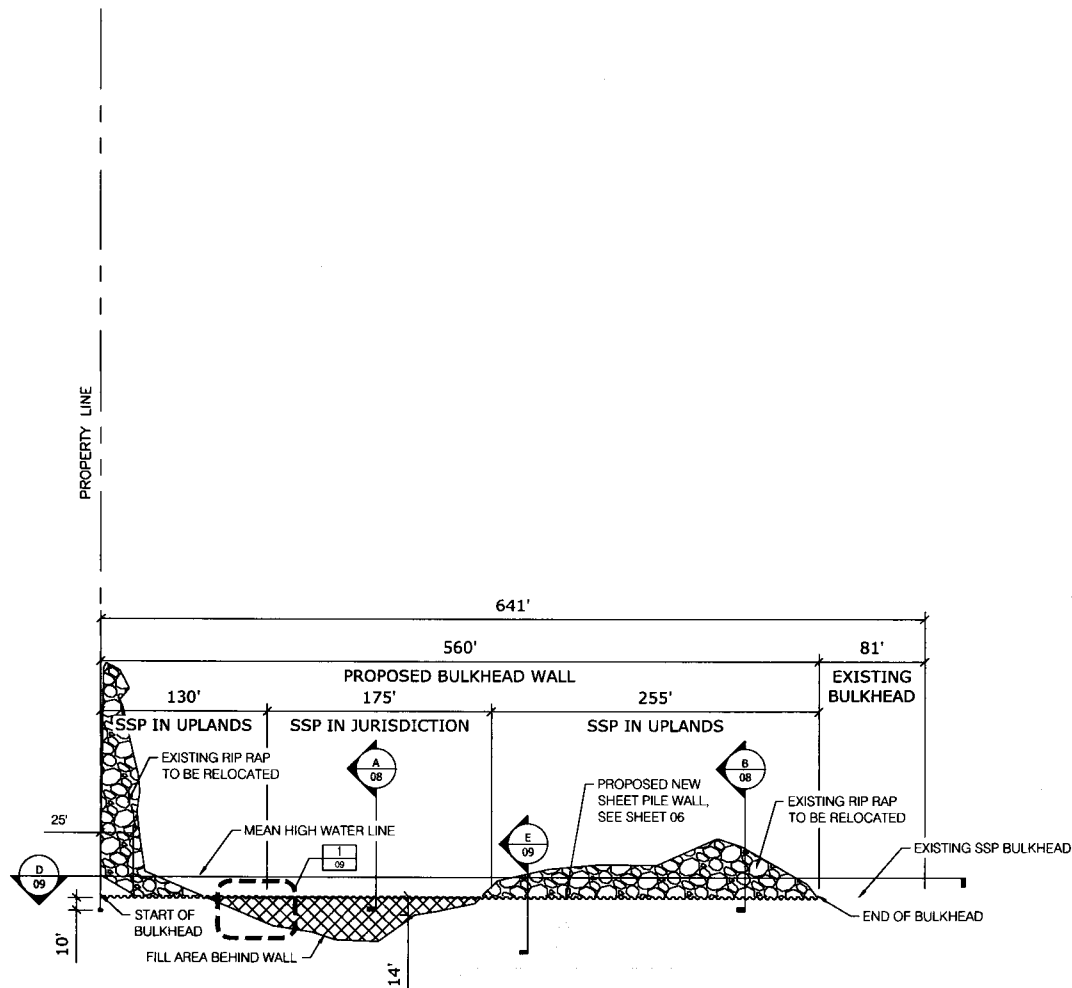
Project Plans: 6 of 9

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
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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

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

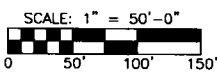


## NOTES

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

CORPORATE OFFICE:  
4005 W. 80TH SCOUT BOULEVARD  
TAMPA, FLORIDA 33607  
FBPR CERTIFICATE OF  
AUTHORIZATION NO.24  
www.atkinsglobal.com

LOCAL OFFICE:  
1250 WOOD BRANCH PARK DR.  
HOUSTON, TX 77079  
TEL: 281.483.5100  
FAX: 281.483.1047

## BULKHEAD PLAN

WEST GULF MARINE, INC  
NEW BULKHEAD AND DREDGING PROJECT

**SHEET**  
**06**

DATE: 10/22/2015	PERMIT NO: LOP NO. 15913(4)	SCALE: AS SHOWN	JOB NO: 100045861
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**FEB 24 2022**

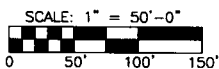
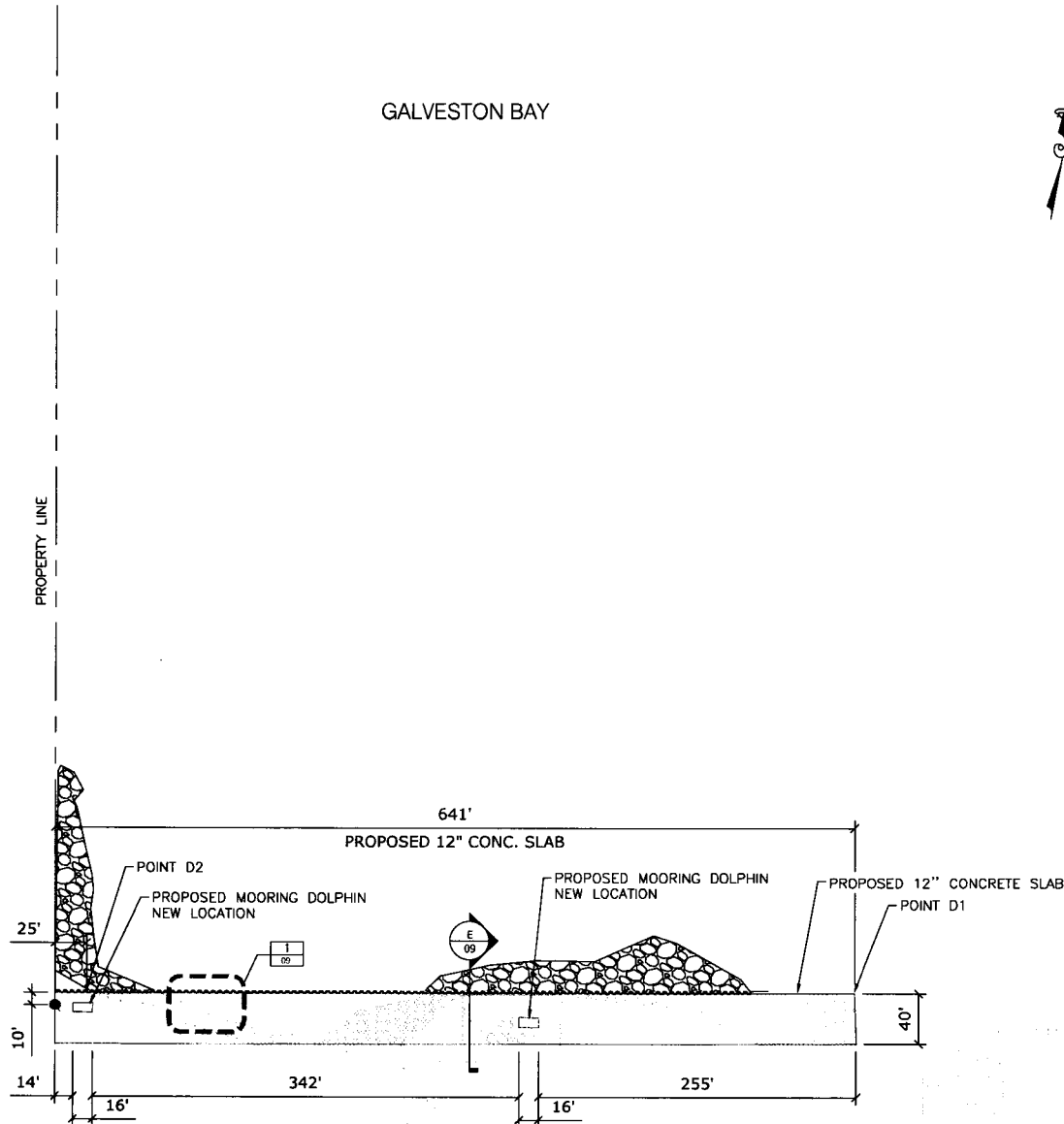
SWG-1994-02067

Project Plans: 7 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
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D3	N29°17'57.18"	W94°50'39.75"	13679861.37	3292689.96
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GALVESTON BAY

**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**

CORPORATE OFFICE:  
4030 W. BOY SCOUT BOULEVARD  
TAMPA, FLORIDA 33607  
FBRP CERTIFICATE OF  
AUTHORIZATION NO.24  
www.atkinsglobal.com

LOCAL OFFICE:  
1250 WOOD BRANCH PARK DR.  
HOUSTON, TX 77079  
TEL: 281.483.5100  
FAX: 281.483.1047

**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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**FEB 24 2022**

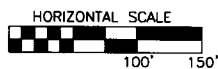
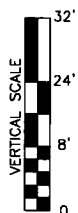
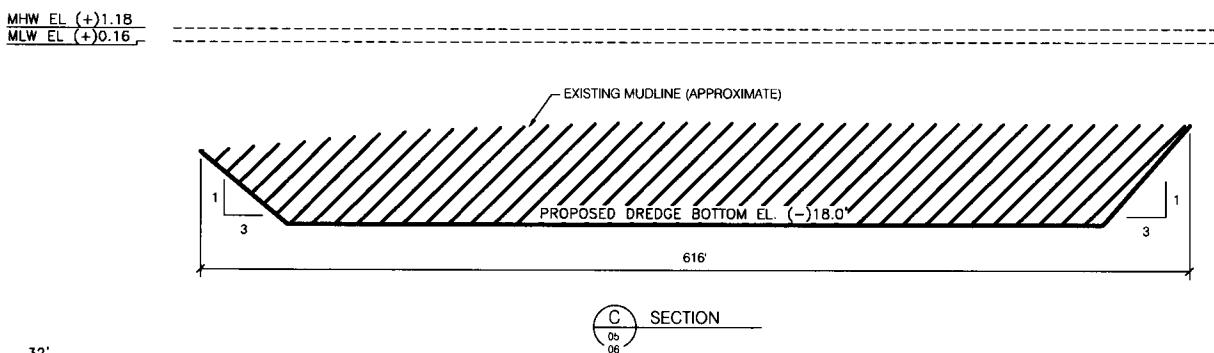
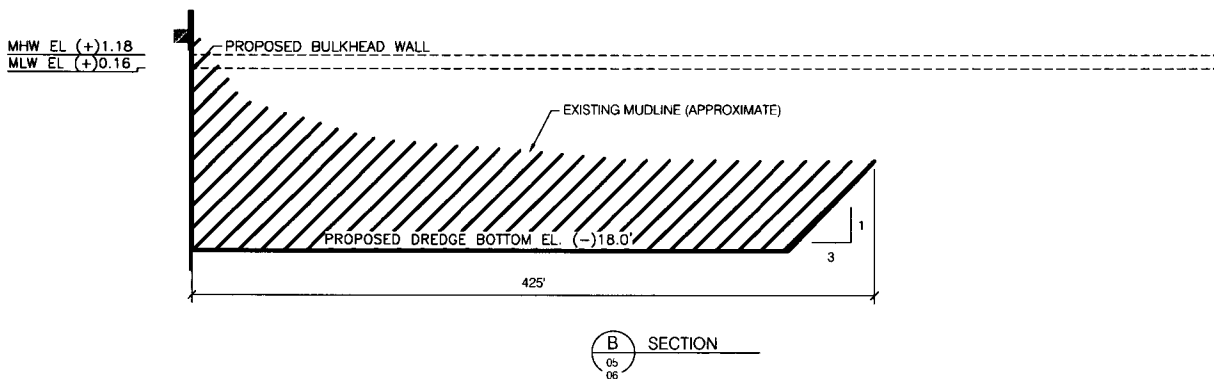
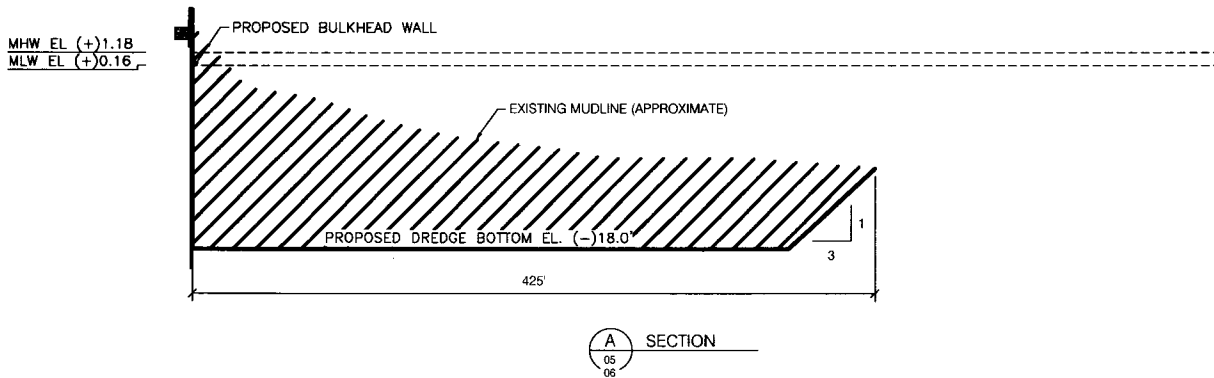
SWG-1994-02067

Project Plans: 8 of 9

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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).

**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**

CORPORATE OFFICE: 4035 W. BOY SCOTTS BOULEVARD TAMPA, FLORIDA 33607  
 LOCAL OFFICE: 1250 WOOD BRANCH PARK DR. HOUSTON, TX 77079  
 FBPR CERTIFICATE OF AUTHORIZATION NO.24  
 TEL: 281.493.5100 FAX: 281.493.1047  
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**DREDGE SECTIONS****WEST GULF MARINE, INC  
NEW BULKHEAD AND DREDGING PROJECT****SHEET  
08**

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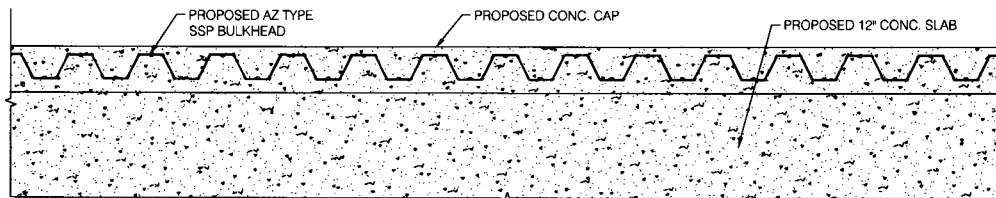


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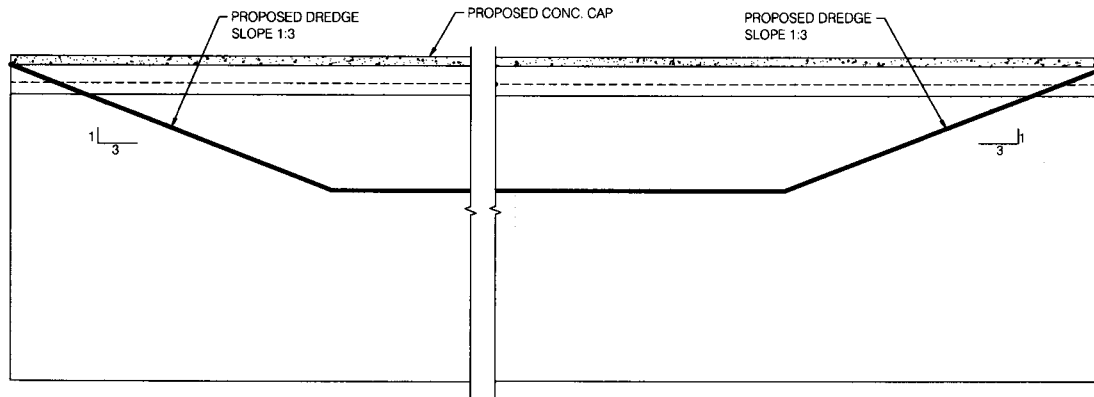
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Project Plans: 9 of 9

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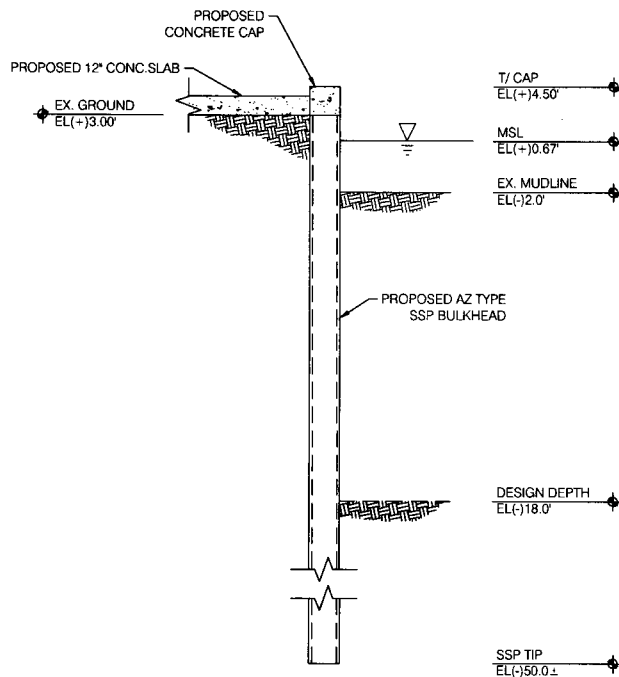
DETAIL  
05  
06  
07  
SCALE: N.T.S.



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'±)

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



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

## NOTES

1. ALL VERTICAL ELEVATIONS ARE REFERENCED TO NAVD88.

NOT FOR CONSTRUCTION

# ATKINS

CORPORATE OFFICE  
4035 W. BOY SCOTT BOULEVARD  
TAMPA, FLORIDA 33607  
FEDERAL CERTIFICATE OF  
AUTHORIZATION NO. 24  
www.atkinsglobal.com

LOCAL OFFICE:  
1250 WOOD BRANCH PARK DR.  
HOUSTON, TX 77079  
TEL. 281.482.5100  
FAX. 281.482.1047

## 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