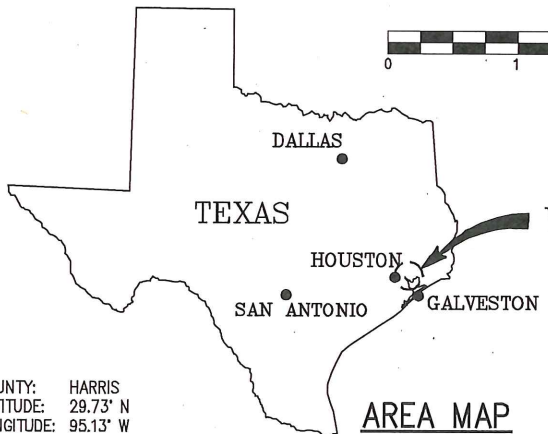


VICINITY MAP
 MILES (APPROX.)



COUNTY: HARRIS
 LATITUDE: 29.73' N
 LONGITUDE: 95.13' W

AREA MAP

GENERAL NOTES

1. STRUCTURES SHALL ALSO BE MARKED/LIGHTED IN ACCORDANCE WITH U.S. COAST GUARD REGULATIONS.
2. ALL ELEVATIONS REFER TO M.L.L.W. UNLESS NOTED OTHERWISE.

PRELIMINARY - FOR PERMIT PURPOSES ONLY

9697-3-P1

LANIER & ASSOCIATES
 CONSULTING ENGINEERS
 INCORPORATED
 LA: C-1120 F-2981
 NEW ORLEANS, LA BEAUMONT, TX

SHELL OIL PRODUCTS CO., LLC
 DEER PARK TEXAS

COFFERDAM REPAIR
VICINITY MAP AND GENERAL NOTES

DATE	JULY '18
DESIGN	KLD
DRAWN	MEW
CHECK	JTM
CONTRACT	9697-3
SHEET No.	
1 OF 6	

J:\90005\9697-3 SHELL DEER PARK\DRAWINGS\PERMITS\WORKING PERMIT SET ASSEMBLY\9697-3-P1.DWG

J:\90005\9697-3 SHELL DEER PARK\DRAWINGS\PERMITS\WORKING PERMIT SET ASSEMBLY\9697-3-P2.DWG



COUNTY: HARRIS
 LATITUDE: 29.73' N
 LONGITUDE: 95.13' W

PRELIMINARY - FOR PERMIT PURPOSES ONLY

9697-3-P2

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DEER PARK TEXAS

**COFFERDAM REPAIR
 AERIAL VIEW**

DATE	JULY '18
DESIGN	KLD
DRAWN	MEW
CHECK	JTM
CONTRACT	9697-3
SHEET No.	
2	OF 6

J:\90005\9697-3 SHELL DEER PARK\DRAWINGS\PERMITS\WORKING PERMIT SET ASSEMBLY\9697-3-P3.DWG



PRELIMINARY - FOR PERMIT PURPOSES ONLY

9697-3-P3

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 NEW ORLEANS, LA BEAUMONT, TX

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 DEER PARK TEXAS

**COFFERDAM REPAIR
 EXISTING SITE PLAN**

DATE	JULY '18
DESIGN	KLD
DRAWN	MEW
CHECK	JTM
CONTRACT	9697-3
SHEET No.	
	3 OF 6

J:\9000S\9697-3 SHELL DEER PARK\DRAWINGS\PERMITS\WORKING PERMIT SET ASSEMBLY\9697-3-P4.DWG

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 NEW ORLEANS, LA BEAUMONT, TX

PRELIMINARY - FOR PERMIT PURPOSES ONLY

SHELL OIL PRODUCTS GO., LLC
 DEER PARK TEXAS

COFFERDAM REPAIR ENLARGED NEW SITE PLAN

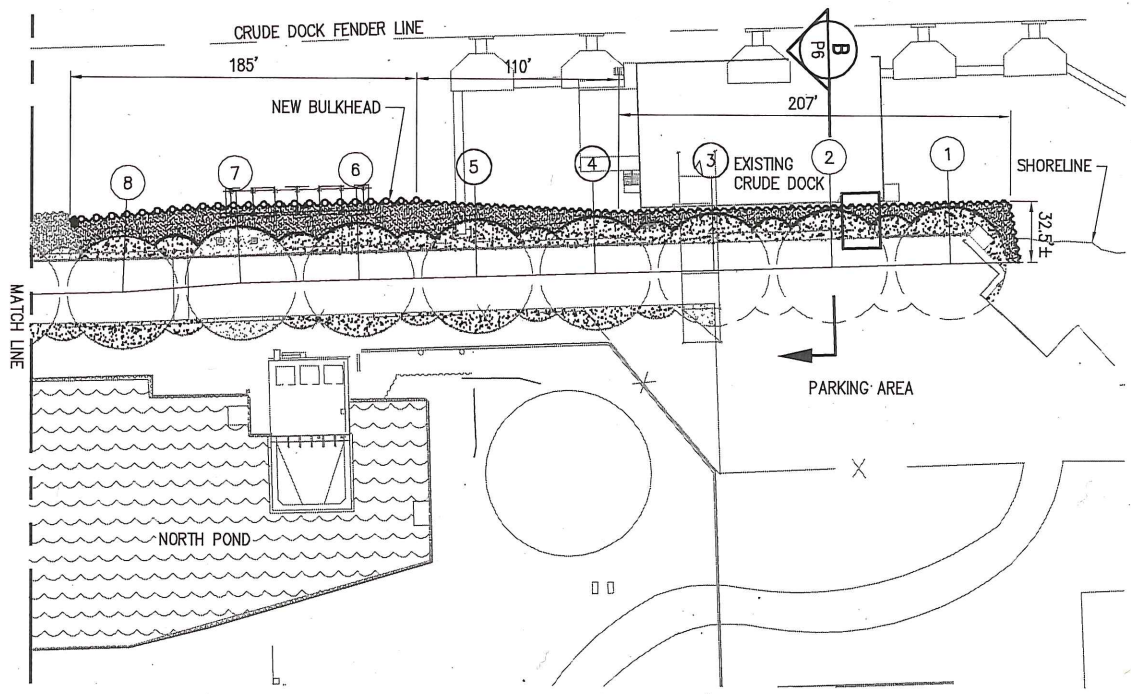
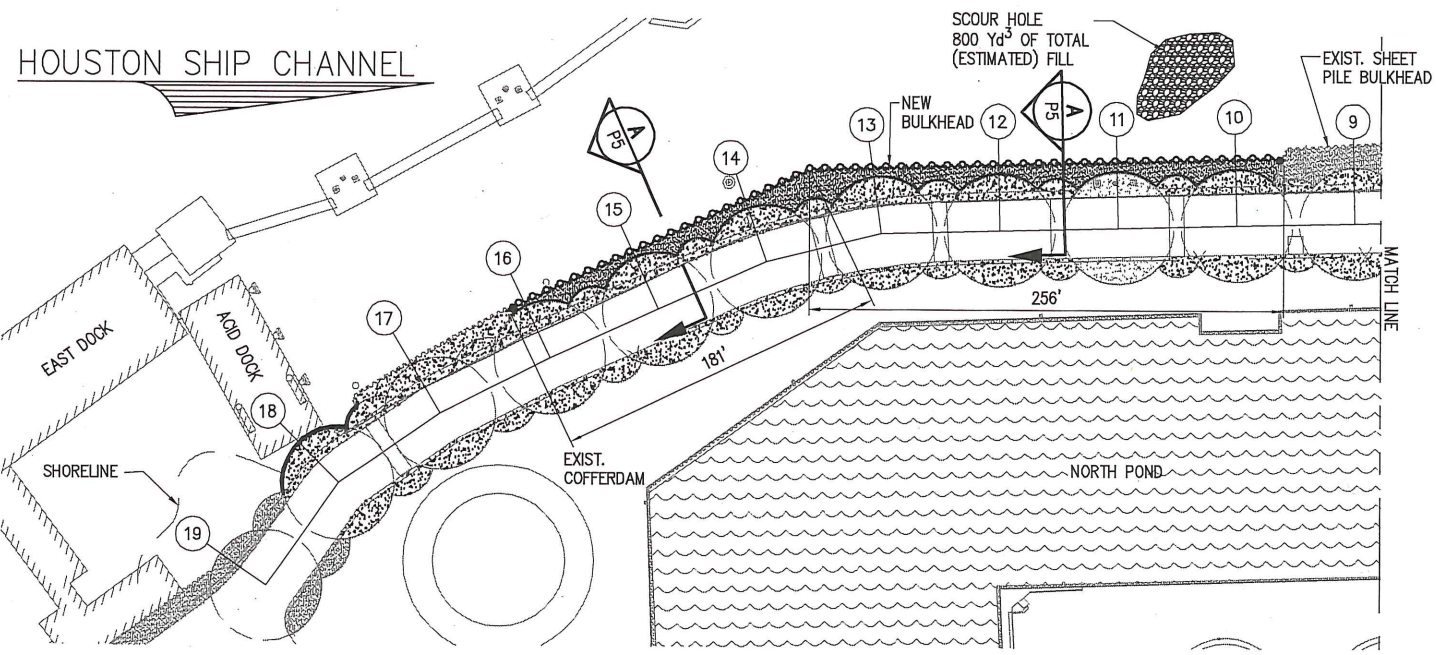
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DESIGN	KLD
DRAWN	M/W
CHECK	J/M
CONTRACT	9697-3
SHEET No.	4 OF 6

9697-3-P4

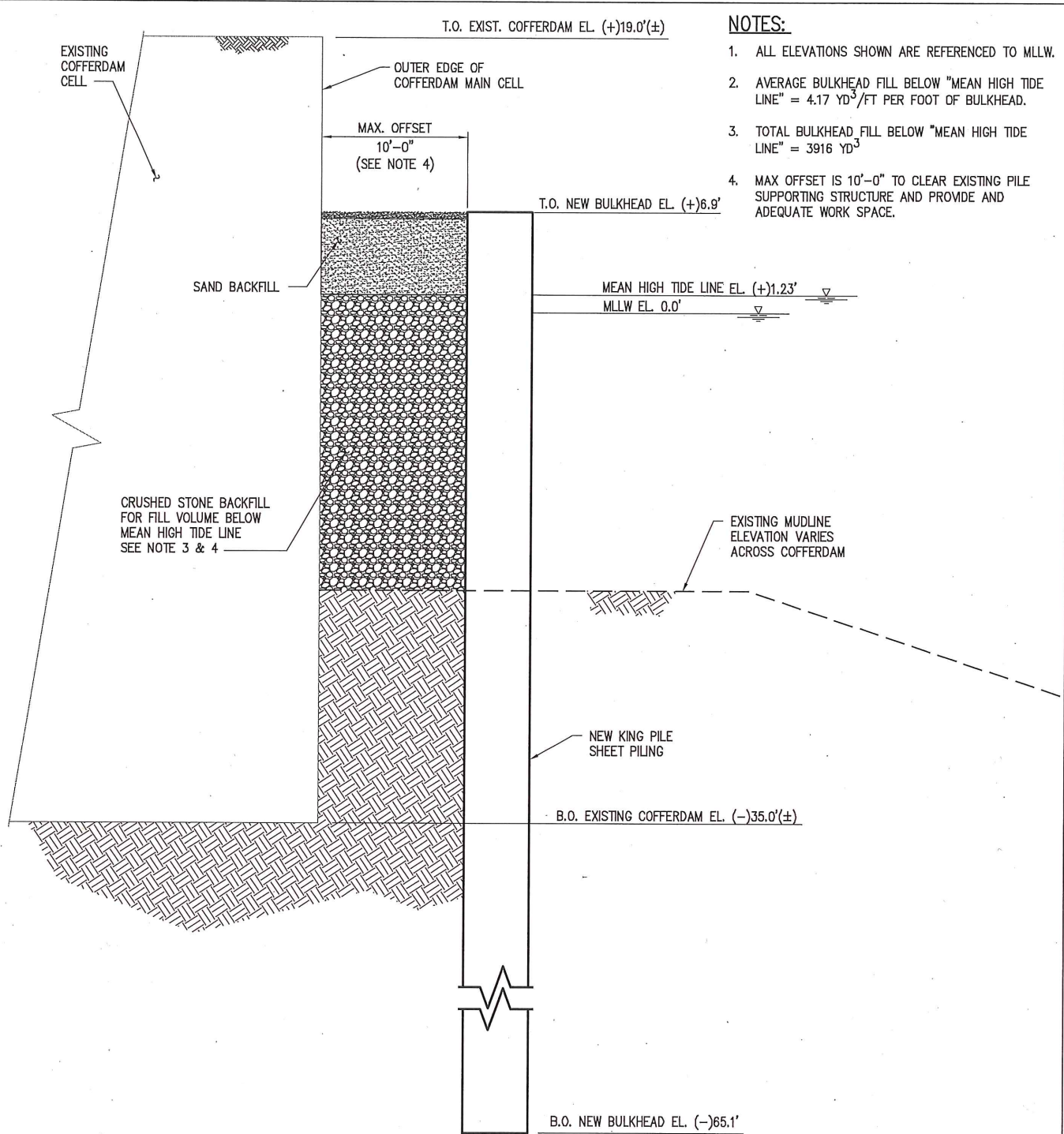
COUNTY: HARRIS
 LATITUDE: 29.73° N
 LONGITUDE: 95.13° W



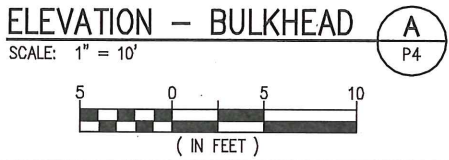
ENLARGED NEW SITE PLAN
 SCALE: 1" = 100'



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- NOTES:**
1. ALL ELEVATIONS SHOWN ARE REFERENCED TO MLLW.
 2. AVERAGE BULKHEAD FILL BELOW "MEAN HIGH TIDE LINE" = 4.17 YD³/FT PER FOOT OF BULKHEAD.
 3. TOTAL BULKHEAD FILL BELOW "MEAN HIGH TIDE LINE" = 3916 YD³
 4. MAX OFFSET IS 10'-0" TO CLEAR EXISTING PILE SUPPORTING STRUCTURE AND PROVIDE ADEQUATE WORK SPACE.



COUNTY: HARRIS
 LATITUDE: 29.73° N
 LONGITUDE: 95.13° W

PRELIMINARY - FOR PERMIT PURPOSES ONLY

9697-3-P5

LANIER & ASSOCIATES
 CONSULTING ENGINEERS
 INCORPORATED
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 NEW ORLEANS, LA BEAUMONT, TX

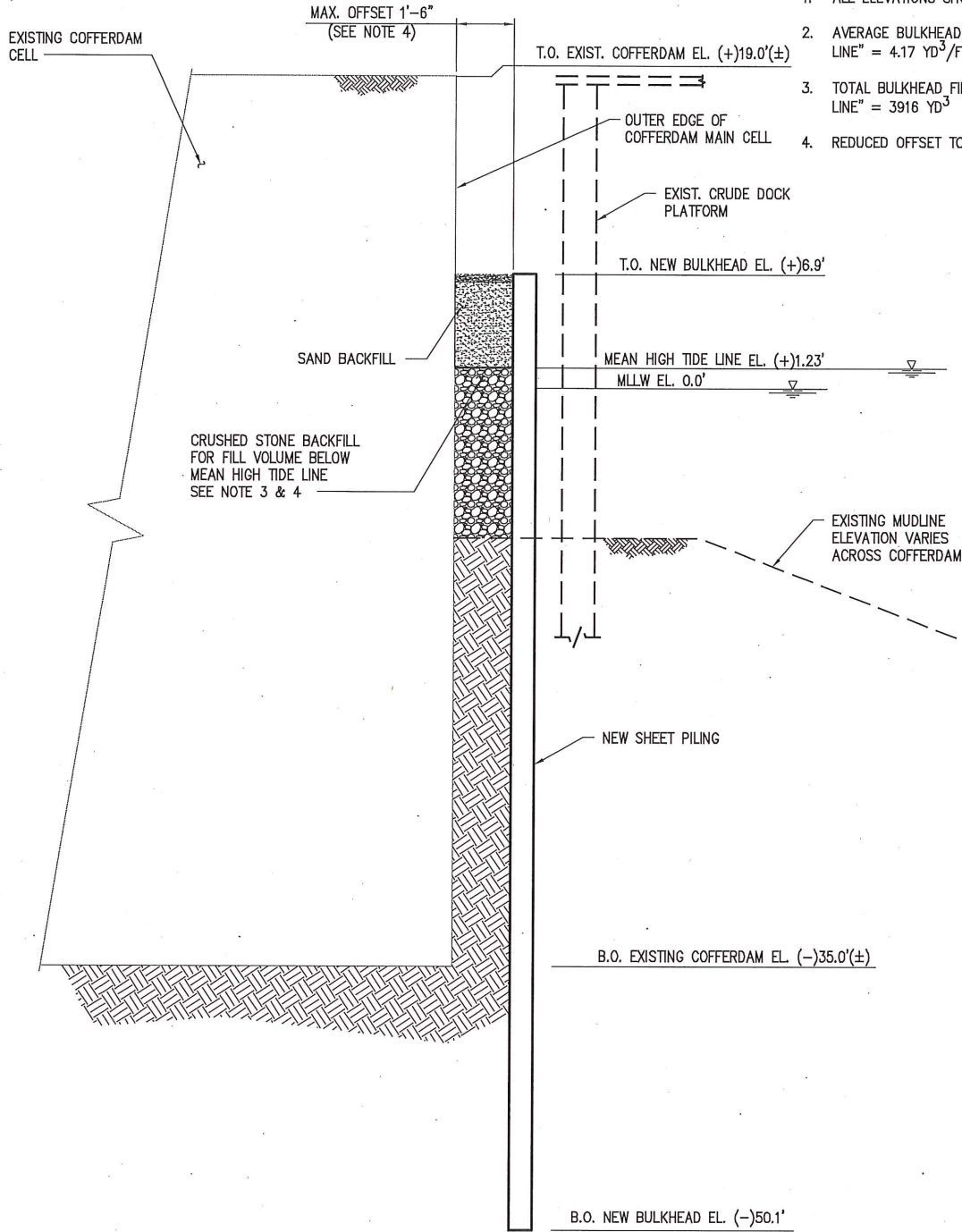
SHELL OIL PRODUCTS CO., LLC
 DEER PARK TEXAS

COFFERDAM REPAIR
BULKHEAD TYPICAL SECTION A

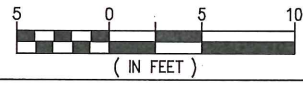
DATE	JULY '18
DESIGN	KLD
DRAWN	MEW
CHECK	JTM
CONTRACT	9697-3
SHEET No.	
5	OF 6

NOTES:

1. ALL ELEVATIONS SHOWN ARE REFERENCED TO MLLW.
2. AVERAGE BULKHEAD FILL BELOW "MEAN HIGH TIDE LINE" = 4.17 YD³/FT PER FOOT OF BULKHEAD.
3. TOTAL BULKHEAD FILL BELOW "MEAN HIGH TIDE LINE" = 3916 YD³
4. REDUCED OFFSET TO CLEAR EXISTING CRUDE DOCK.



ELEVATION - BULKHEAD (B)
 SCALE: 1" = 10'



COUNTY: HARRIS
 LATITUDE: 29.73' N
 LONGITUDE: 95.13' W

PRELIMINARY - FOR PERMIT PURPOSES ONLY

9697-3-P6

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 DEER PARK TEXAS

COFFERDAM REPAIR
BULKHEAD TYPICAL SECTION B

DATE	JULY '18
DESIGN	KLD
DRAWN	MEW
CHECK	JTM
CONTRACT	9697-3
SHEET No.	
6	OF 6

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