

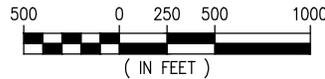
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VICINITY MAP

SCALE: 1" = 1000'

HARRIS COUNTY, TX
 LAT. 29° 43' 58.74" N
 LONG. 95° 07' 20.48" W



NOTES

- STRUCTURES SHALL ALSO BE MARKED/LIGHTED IN ACCORDANCE WITH U.S. COAST GUARD REGULATIONS.
- ALL ELEVATIONS REFER TO NAVD88 UNLESS NOTED OTHERWISE.



AREA MAP

DRAWING INDEX		
DRAWING NO.	REVISION	TITLE
P1	B	VICINITY MAP, AREA MAP & DRAWING INDEX
P2	B	LOCATION SITE PLAN
P3	B	EXISTING SITE PLAN
P4	B	PROPOSED SITE PLAN
P5	B	PROPOSED FIREBOAT ENLARGED PIER PLAN
P6	B	BULKHEAD SECTION
P7	B	BULKHEAD SECTION
P8	B	PROPOSED FIREBOAT PIER SECTIONS
P9	B	PROPOSED NEW PROTECTION MONOPILE ELEVATION

KEVIN L. DROUET P.E.
 LA PE #113470

PRELIMINARY - FOR PERMITTING PURPOSES ONLY, NOT FOR CONSTRUCTION

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LA: EF-1120 TX: F-2981
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DEER PARK **DEER PARK REFINERY, LP** TEXAS

BULKHEAD & FIREBOAT PIER
REPAIR PROJECT
 VICINITY MAP, AREA MAP & DRAWING INDEX

DATE JULY '23
 DESIGN KLD
 DRAWN JMM
 CHECK JTM
 JOB NO 12483
 SHEET No.
1 OF 9

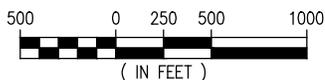
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LOCATION SITE PLAN

SCALE: 1" = 1000'



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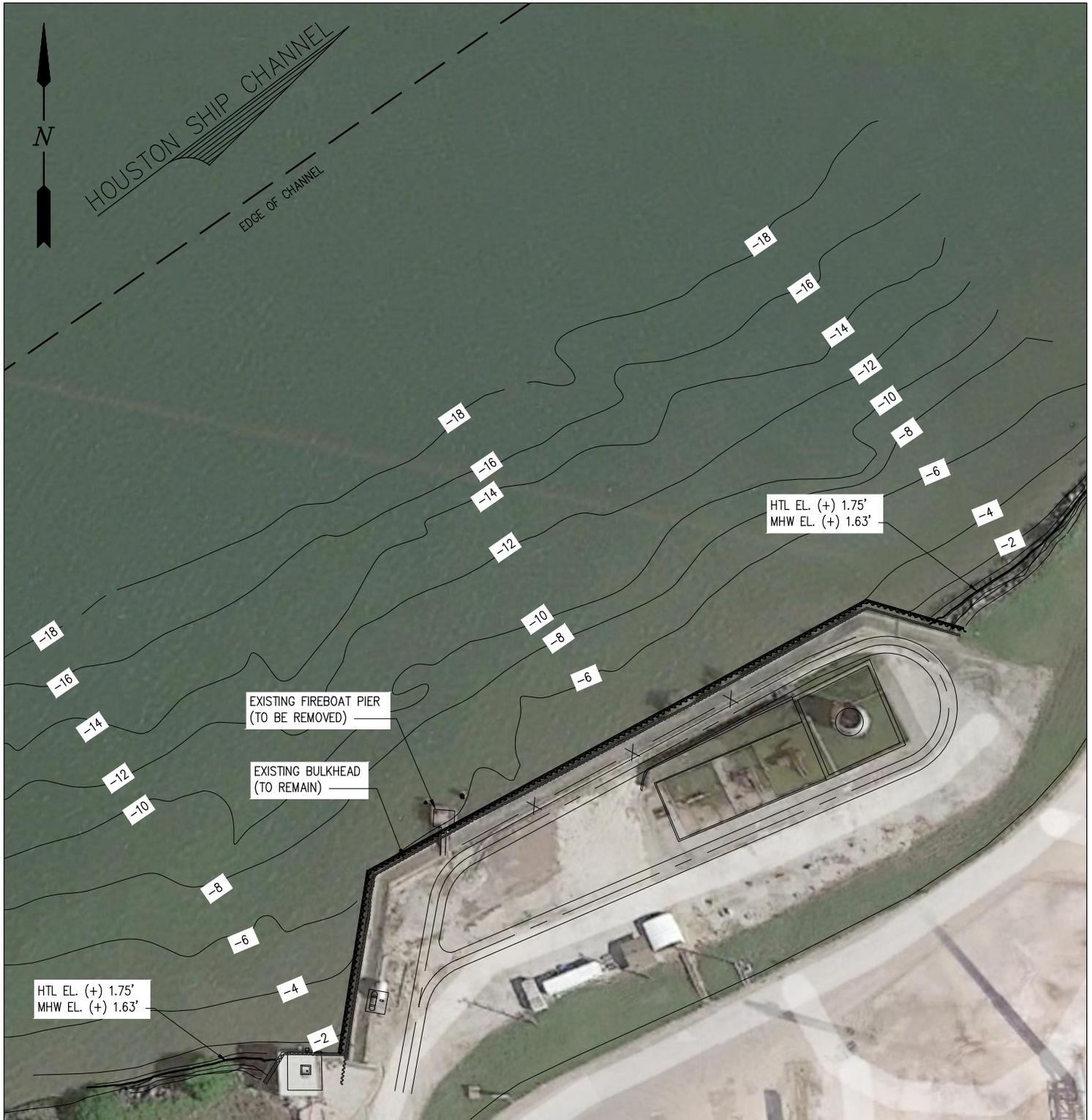
TEXAS

**BULKHEAD & FIREBOAT PIER
REPAIR PROJECT
LOCATION SITE PLAN**

DATE	JULY '23
DESIGN	KLD
DRAWN	JMM
CHECK	JTM
JOB NO.	12483
SHEET No.	2 OF 9

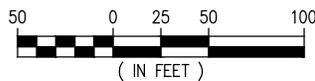
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EXISTING SITE PLAN

SCALE: 1" = 100'



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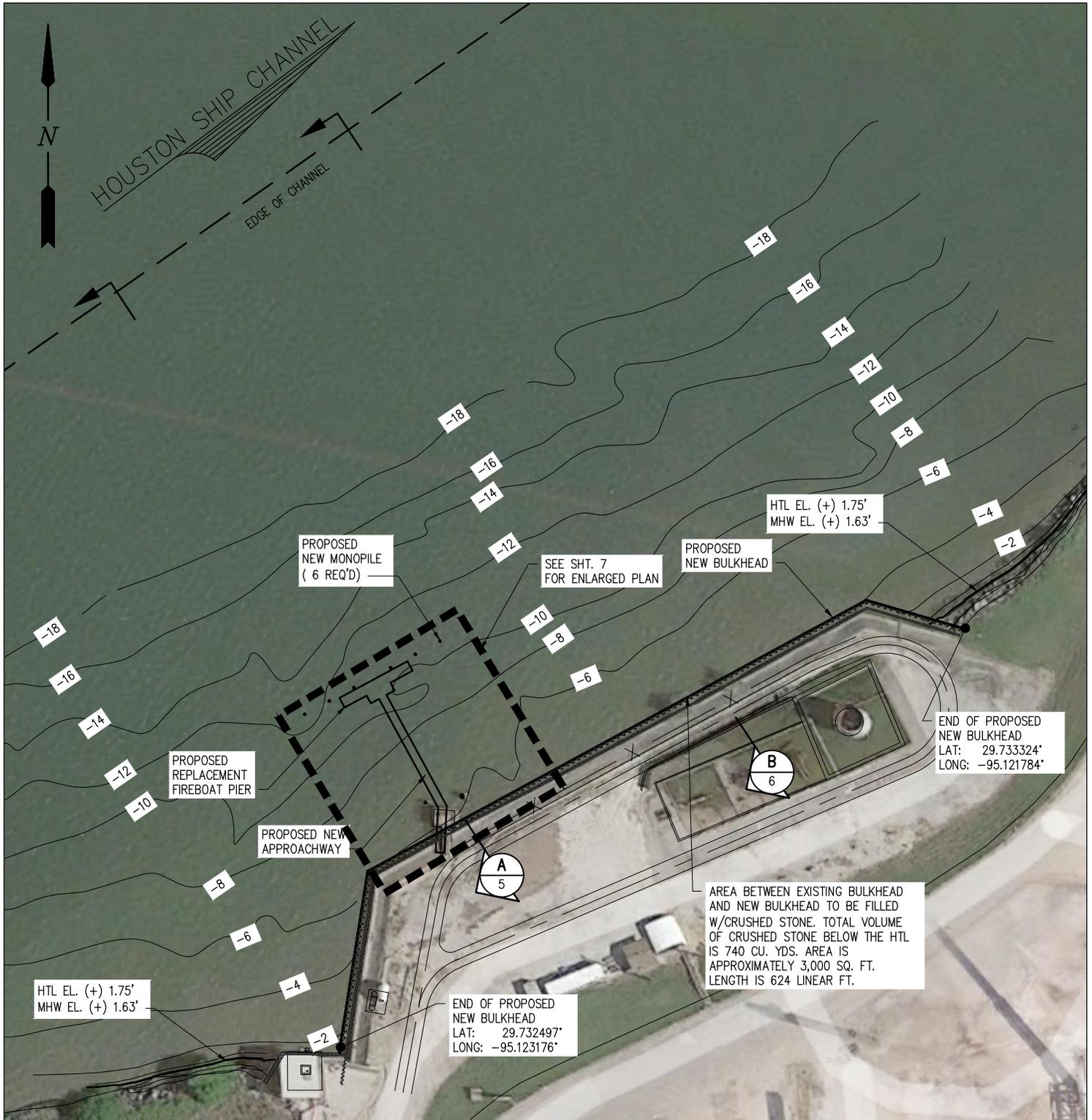
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BULKHEAD & FIREBOAT PIER
REPAIR PROJECT
EXISTING SITE PLAN

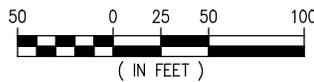
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DESIGN	KLD
DRAWN	JMM
CHECK	JTM
JOB NO	12483
SHEET No.	3 OF 9

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PROPOSED NEW SITE PLAN

SCALE: 1" = 100'



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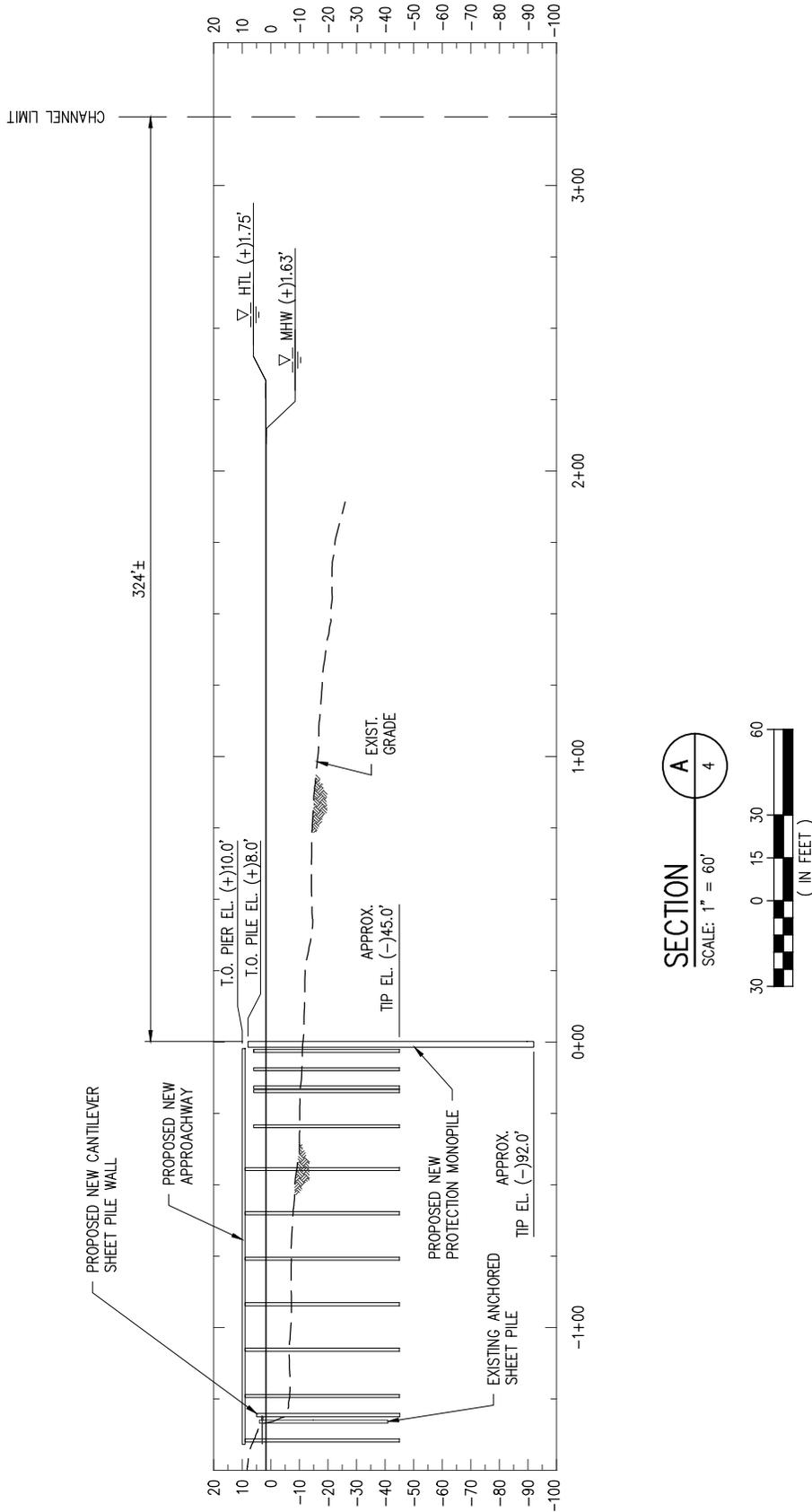
DEER PARK REFINERY, LP
DEER PARK TEXAS

BULKHEAD & FIREBOAT PIER
REPAIR PROJECT
PROPOSED NEW SITE PLAN

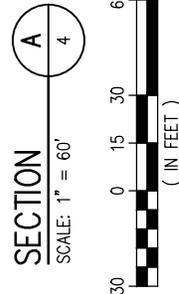
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DESIGN	KLD
DRAWN	JMM
CHECK	JTM
JOB NO	12483
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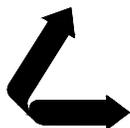
- NOTES:**
- EXISTING BATHYMETRY BASED ON LANIER HYDROGRAPHIC SURVEY PERFORMED IN JUNE 2022.
 - HORIZONTAL DATUM REFERENCED TO LOUISIANA STATE PLANE (SOUTH) NAD 83
 - ALL ELEVATIONS ARE EXPRESSED IN FEET AND TENTHS AND ARE REFERENCED TO NAVD 88.



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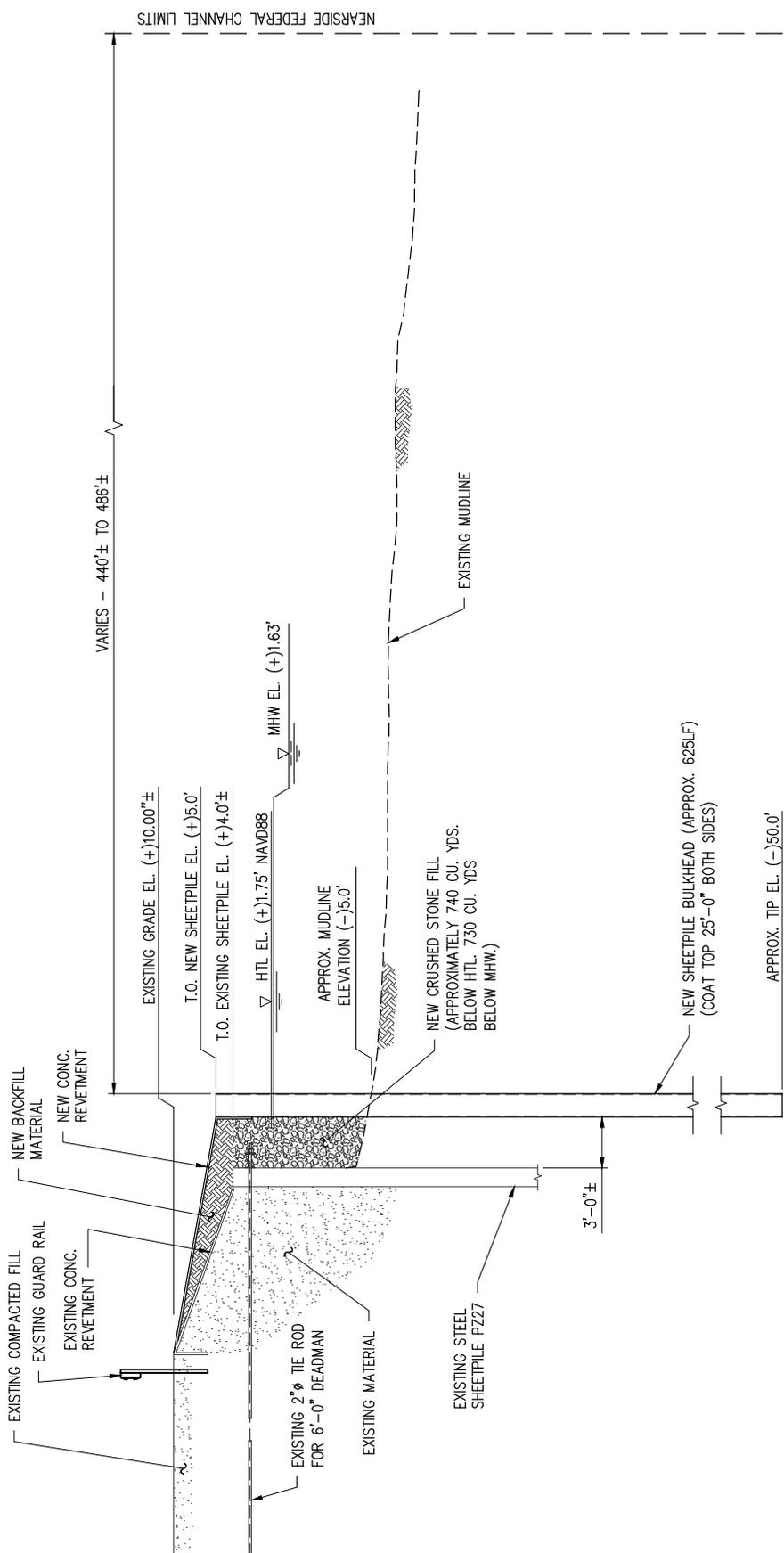
DEER PARK TEXAS

DEER PARK REFINERY, LP

BULKHEAD & FIREBOAT PIER
REPAIR PROJECT
BULKHEAD SECTION

DATE	JULY '23
DESIGN	KLD
DRAWN	JMM
CHECK	JTM
JOB NO	12483
SHEET No.	5 OF 9

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SECTION B
SCALE: 1" = 10'

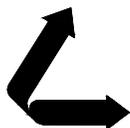
- NOTES:**
- EXISTING BATHYMETRY BASED ON LANIER HYDROGRAPHIC SURVEY PERFORMED IN JUNE 2022.
 - HORIZONTAL DATUM REFERENCED TO LOUISIANA STATE PLANE (SOUTH) NAD 83
 - ALL ELEVATIONS ARE EXPRESSED IN FEET AND TENTHS AND ARE REFERENCED TO NAVD 88.
 - AVERAGE BULKHEAD FILL BELOW "HIGH TIDE LINE" = 1.19 YD³ PER FOOT OF BULKHEAD.
 - TOTAL BULKHEAD FILL BELOW "HIGH TIDE LINE" = 740 YD³

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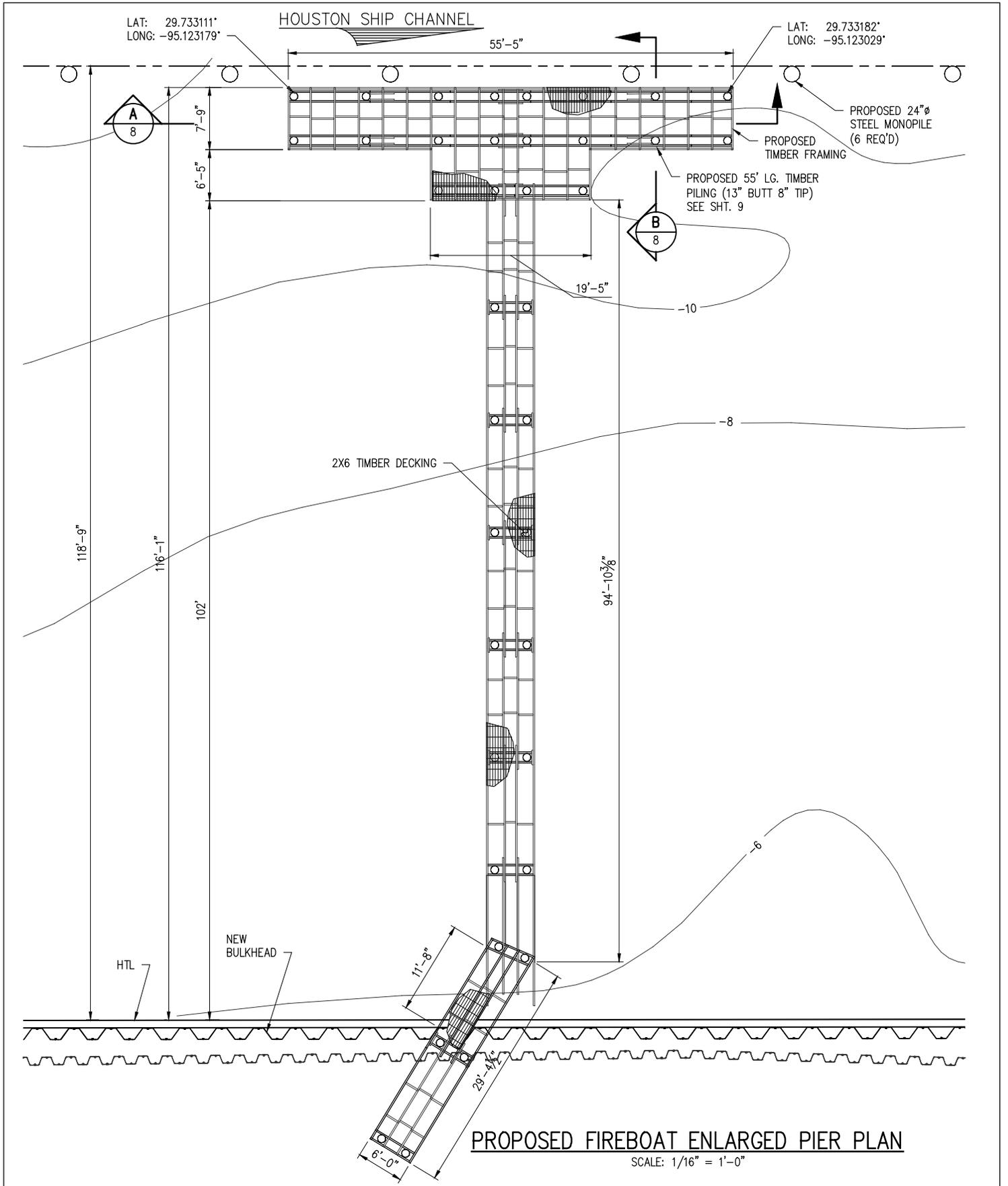
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DEER PARK TEXAS

BULKHEAD & FIREBOAT PIER
REPAIR PROJECT
BULKHEAD SECTION

DATE JULY '23
DESIGN KLD
DRAWN JMM
CHECK JTM
JOB NO 12483
SHEET No. 6 OF 9

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PROPOSED FIREBOAT ENLARGED PIER PLAN
SCALE: 1/16" = 1'-0"

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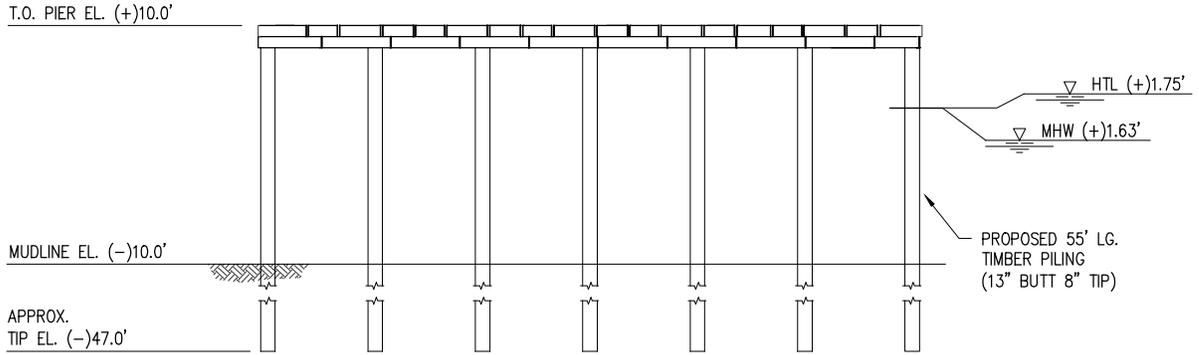
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DEER PARK TEXAS

**BULKHEAD & FIREBOAT PIER
REPAIR PROJECT**
PROPOSED FIREBOAT ENLARGED PIER PLAN

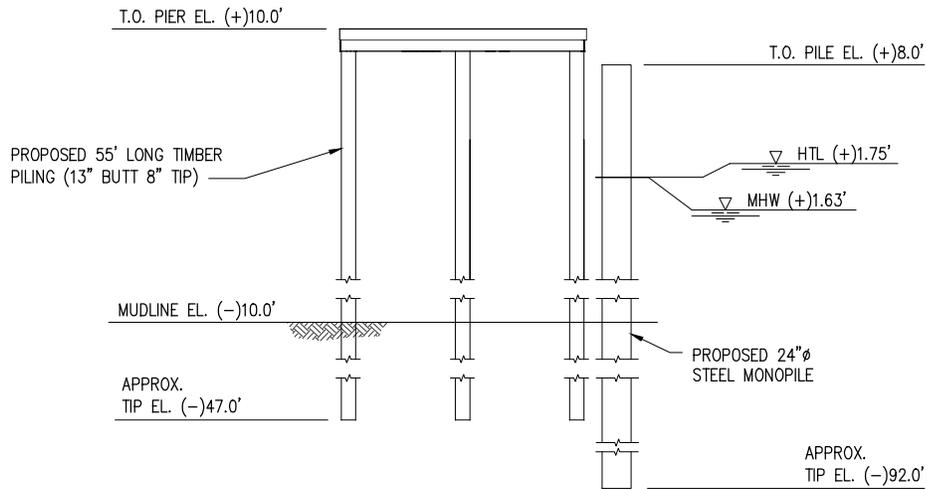
DATE JULY '23
DESIGN KLD
DRAWN JMM
CHECK JTM
JOB NO 12483
SHEET No.
7 OF 9

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PROPOSED FIREBOAT PIER SECTION

SCALE: 1/16" = 1'-0"



PROPOSED FIREBOAT PIER SECTION

SCALE: 3/32" = 1'-0"

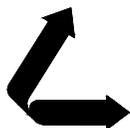


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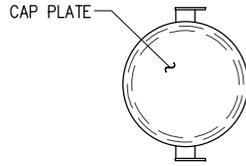
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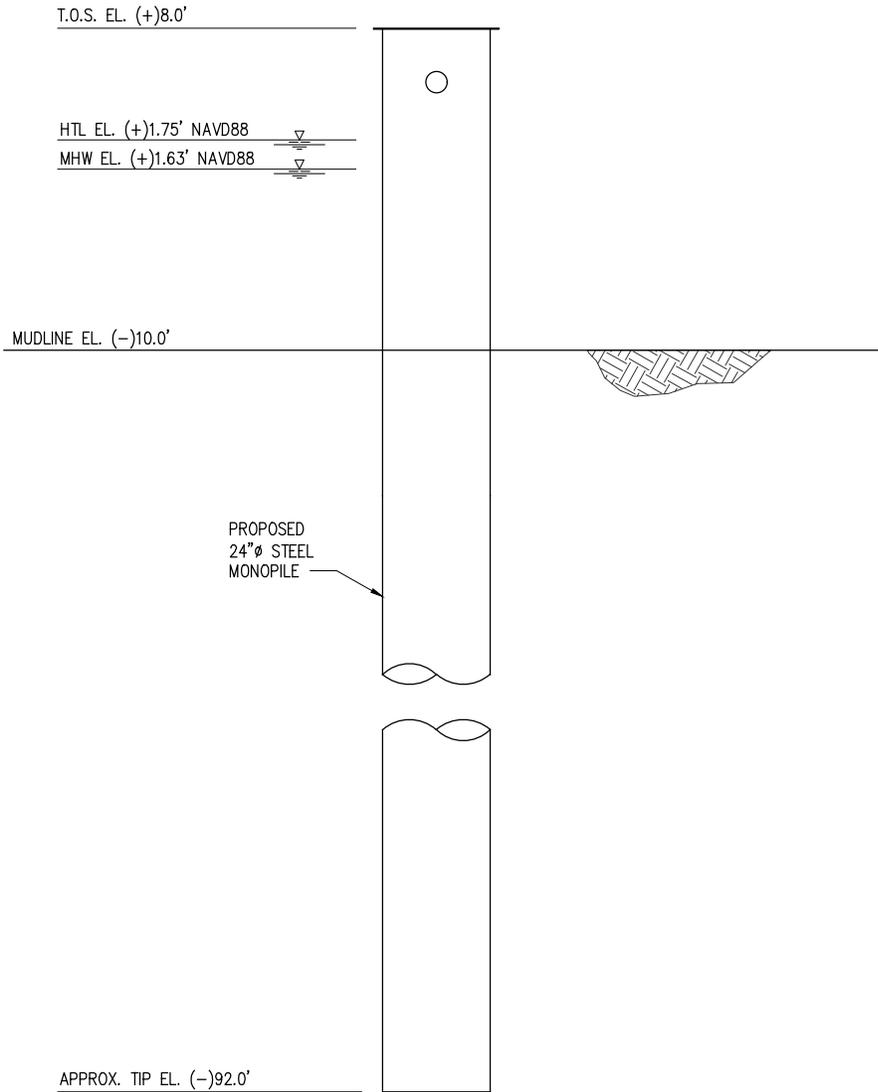
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DEER PARK TEXAS

BULKHEAD & FIREBOAT PIER
REPAIR PROJECT
PROPOSED FIREBOAT PIER SECTIONS

DATE JULY '23
DESIGN KLD
DRAWN JMM
CHECK JTM
JOB NO 12483
SHEET No.
8 OF 9



PLAN



PROPOSED NEW PROTECTION MONOPILE ELEVATION

SCALE: 3/32" = 1'-0"

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BULKHEAD & FIREBOAT PIER
REPAIR PROJECT
NEW PROTECTIVE DOLPHIN ELEVATION

DATE	JULY '23
DESIGN	KLD
DRAWN	JMM
CHECK	JTM
JOB NO	12483
SHEET No.	9 OF 9