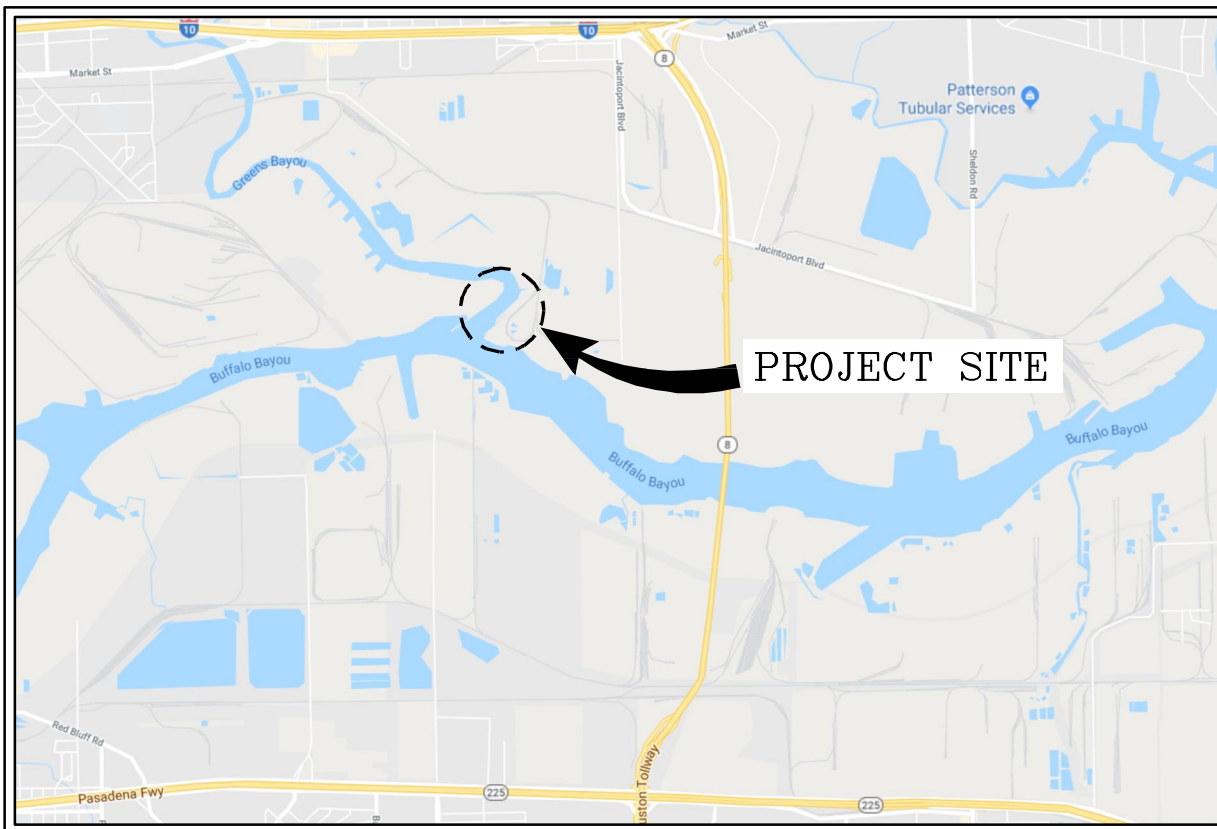


# KINDER MORGAN MAINTENANCE DREDGING HOUSTON BULK TERMINAL PASADENA, TEXAS



VICINITY MAP

LAT: N29.7494°  
 LONG: W95.1656°

SCALE: 1" = 1 MILE

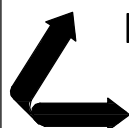


AREA MAP

VICINITY

**PRELIMINARY - FOR PERMIT PURPOSES ONLY**

10754-P01



**LANIER & ASSOCIATES**  
 CONSULTING ENGINEERS

INCORPORATED  
 LA: C-1120 F-2981  
 NEW ORLEANS, LA • BEAUMONT, TX

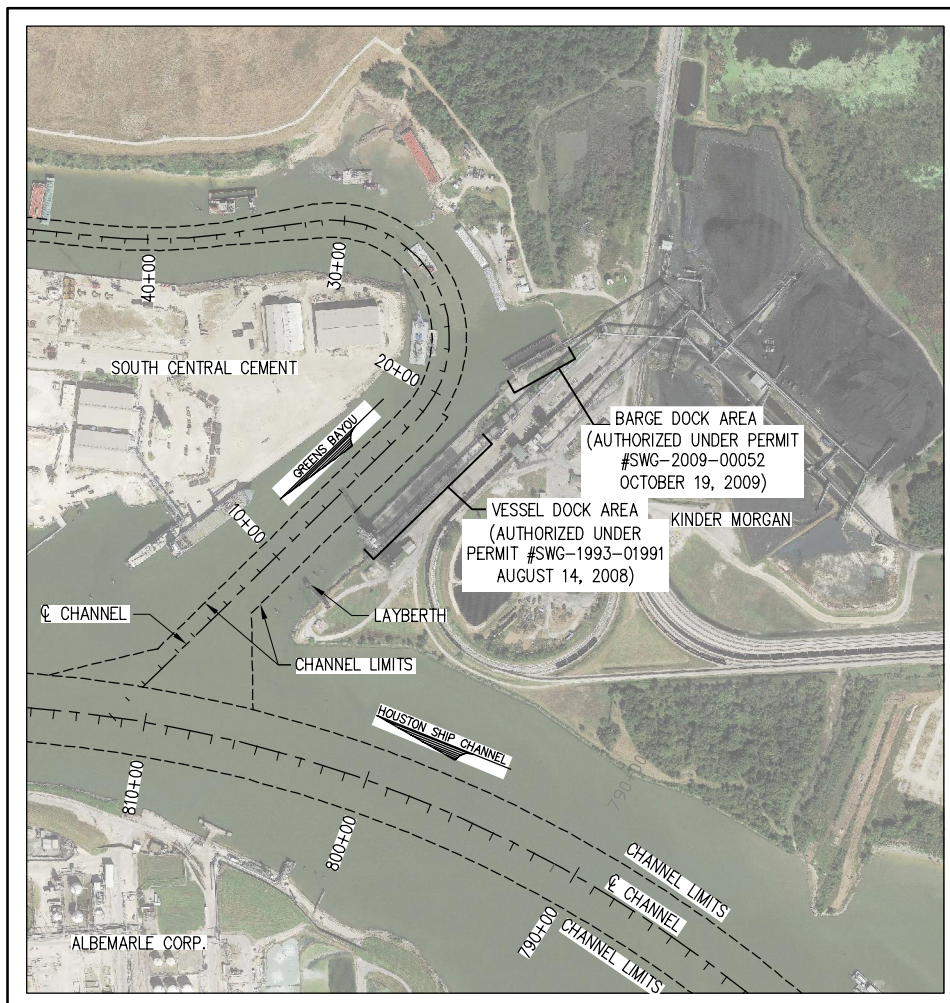
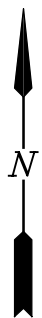
**KINDER MORGAN PETCOKE, L.P.**  
 PASADENA

TEXAS

**HOUSTON BULK TERMINAL  
 MAINTENANCE DREDGING  
 VICINITY & AREA MAPS**

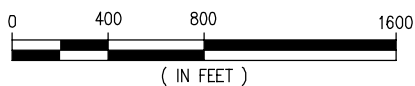
DATE: JUNE '18  
 DESIGN: MJS  
 DRAWN: JJF  
 CHECK:  
 CONTRACT: 10754  
 SHEET No.

1 OF 7



### ENLARGED VICINITY MAP

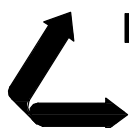
SCALE: 1" = 800 FEET



LAT: N29.7494°  
LONG: W95.1656°

**PRELIMINARY - FOR PERMIT PURPOSES ONLY**

10754-P02



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PASADENA

**KINDER MORGAN PETCOKE, L.P.**

TEXAS

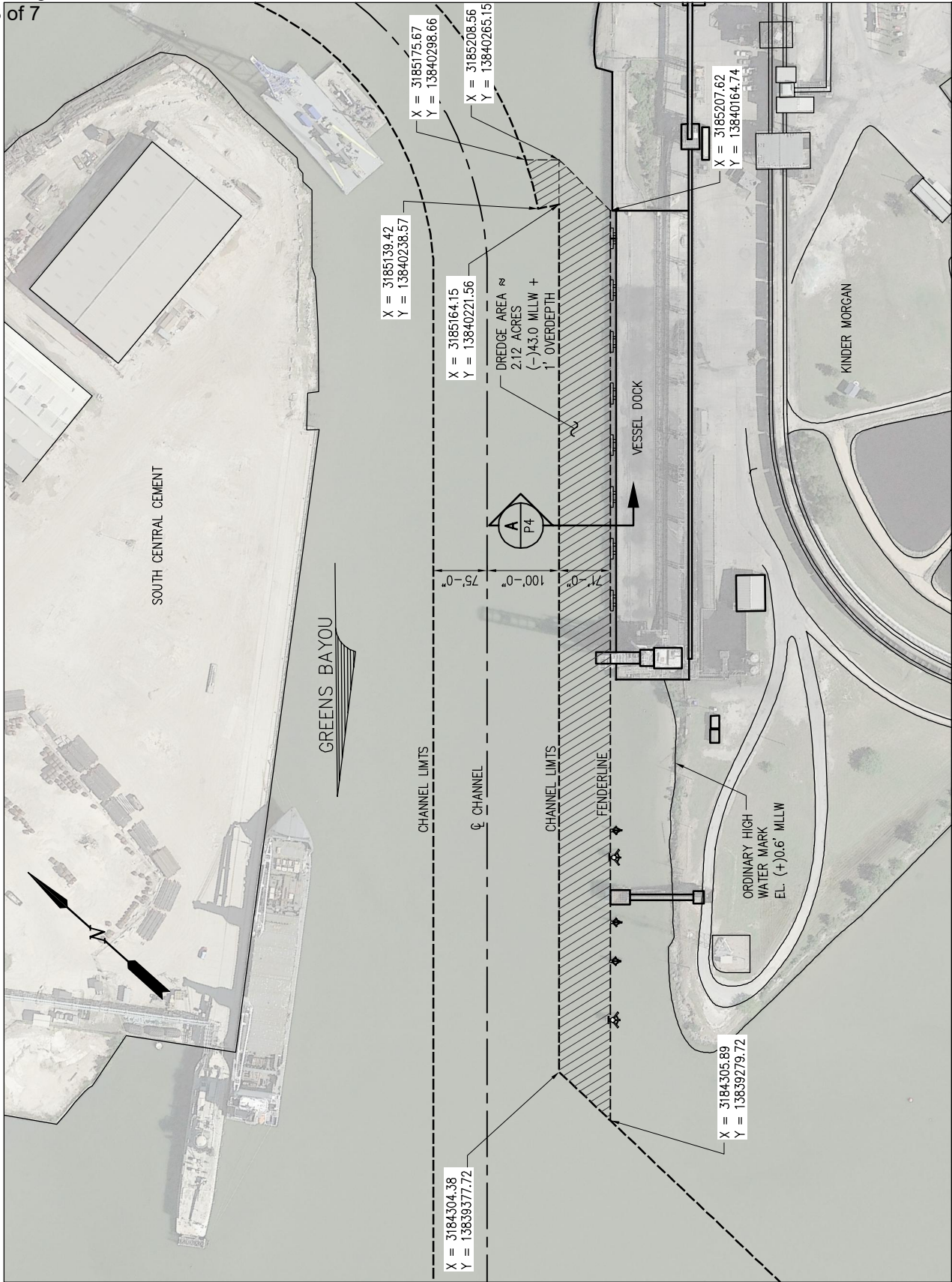
**HOUSTON BULK TERMINAL  
MAINTENANCE DREDGING  
VICINITY & AREA MAPS**

DATE: JUNE '18  
DESIGN: MJS  
DRAWN: JJF  
CHECK:  
CONTRACT: 10754  
SHEET No.

**2 OF 7**



J:\100005\10754 KINDER MORGAN 2018 DREDGE PERMIT RENEWAL\DRAWINGS\10754-0\10754-P03.DWG



NOTES:

1. HORIZONTAL DATUM REFERENCED TO TEXAS STATE PLANE (SOUTH CENTRAL) NAD 83.
2. ALL ELEVATIONS REFERENCED TO MEAN LOWER LOW WATER (MLLW).

VESSEL DOCK DREDGE PLAN

SCALE: GRAPHIC



PRELIMINARY - FOR PERMIT PURPOSES ONLY

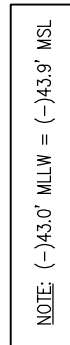
10754-P03

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**KINDER MORGAN PETCOKE, L.P.**  
PASADENA TEXAS

**HOUSTON BULK TERMINAL  
MAINTENANCE DREDGING  
VESSEL DOCK DREDGE PLAN**

|           |          |
|-----------|----------|
| DATE      | JUNE '18 |
| DESIGN    | MJS      |
| DRAWN     | JJF      |
| CHECK     |          |
| CONTRACT  | 10754    |
| SHEET No. |          |
| 3         | OF 7     |



VESSEL DOCK TYPICAL CROSS SECTION

SCALE: 1"=30'

A

P3

1. ALL ELEVATIONS REFERENCED TO MEAN LOWER LOW WATER (MLLW).

10754-P04



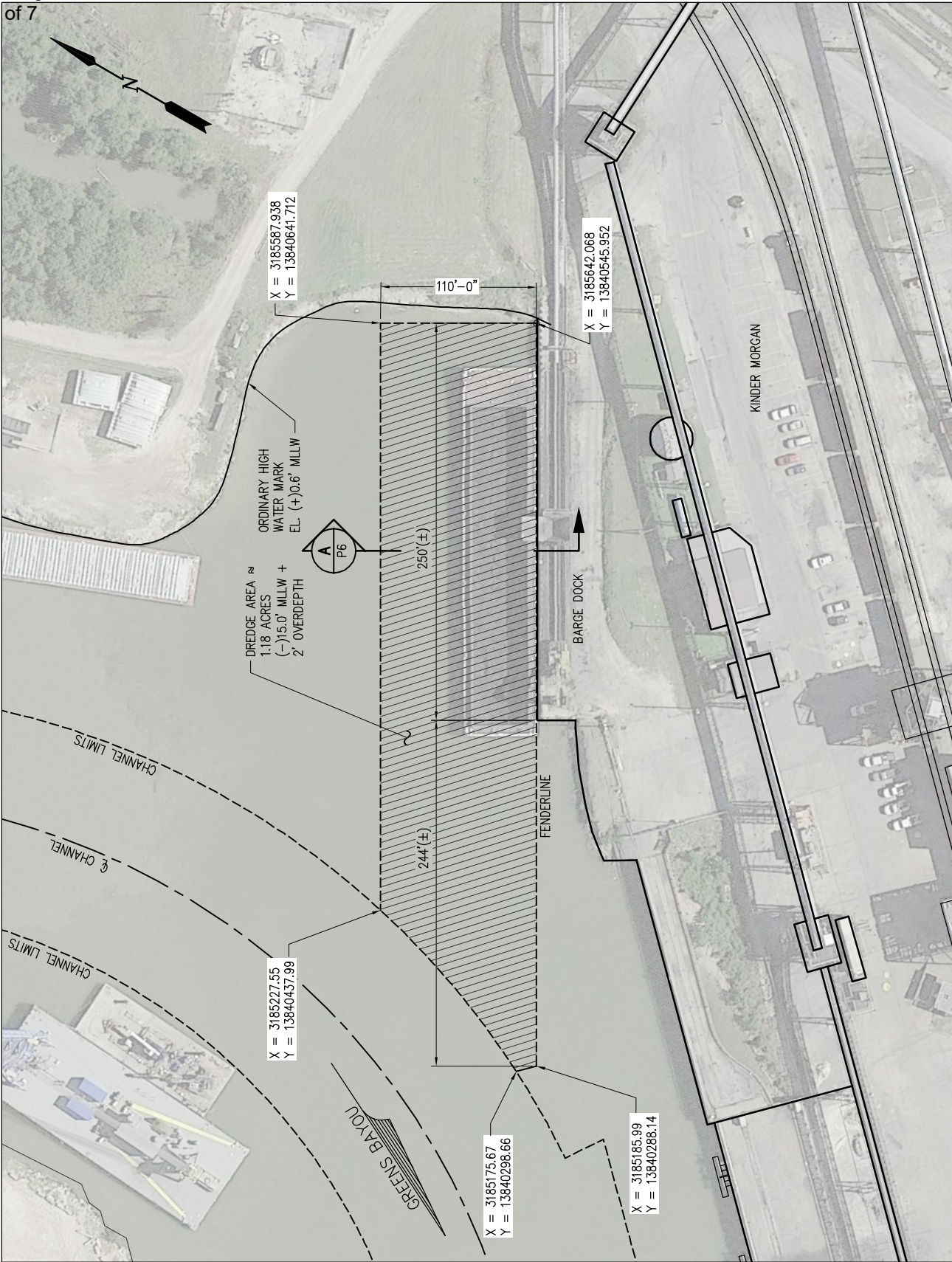
**TEXAS**

### HOUSTON BULK TERMINAL MAINTENANCE DREDGING VESSEL DOCK TYPICAL CROSS SECTION

4 OF 7



J:\100005\10754 KINDER MORGAN 2018 DREDGE PERMIT RENEWAL\DRAWINGS\10754-0\10754-P05.DWG



# BARGE DOCK DREDGE PLAN

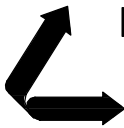
SCALE: GRAPHIC

## NOTES:

1. HORIZONTAL DATUM REFERENCED TO TEXAS STATE PLANE (SOUTH CENTRAL) NAD 83.
2. ALL ELEVATIONS REFERENCED TO MEAN LOWER LOW WATER (MLLW).

PRELIMINARY - FOR PERMIT PURPOSES ONLY

10754-P05



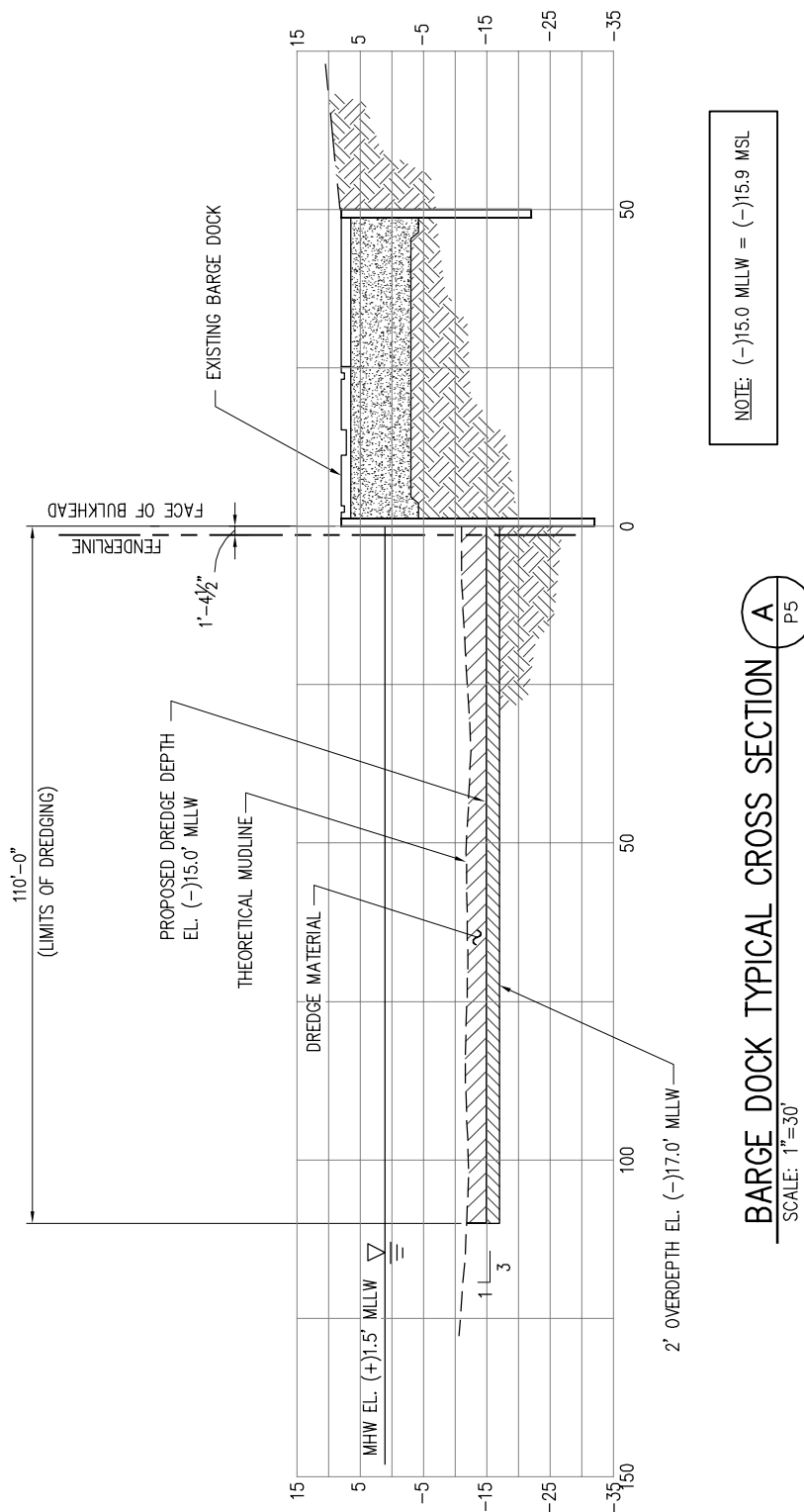
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NEW ORLEANS, LA BEAUMONT, TX

**KINDER MORGAN PETCOKE, L.P.**  
PASADENA TEXAS

**HOUSTON BULK TERMINAL  
MAINTENANCE DREDGING  
BARGE DOCK DREDGE PLAN**

|           |             |
|-----------|-------------|
| DATE      | JUNE '18    |
| DESIGN    | MJS         |
| DRAWN     | JJF         |
| CHECK     |             |
| CONTRACT  | 10754       |
| SHEET No. |             |
| <b>5</b>  | <b>OF 7</b> |

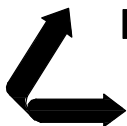
J:\100005\10754 KINDER MORGAN 2018 DREDGE PERMIT RENEWAL\DRAWINGS\10754-0\10754-P06.DWG



- NOTES:
- ALL ELEVATIONS REFERENCED TO MEAN LOWER LOW WATER (MLLW).

PRELIMINARY - FOR PERMIT PURPOSES ONLY

10754-P06



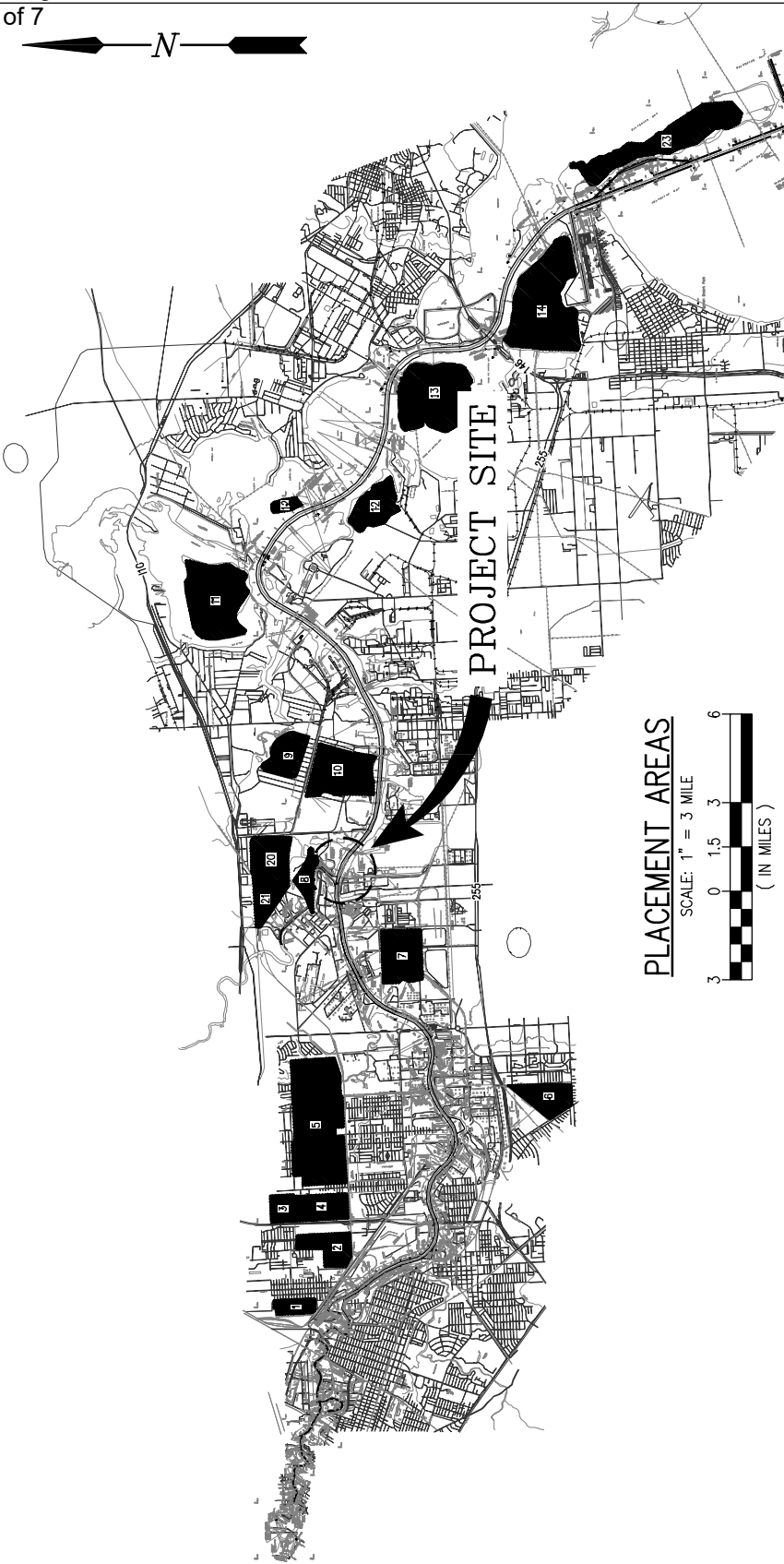
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 INCORPORATED  
 LA: C-1120 F-2981  
 NEW ORLEANS, LA BEAUMONT, TX

**KINDER MORGAN PETCOKE, L.P.**  
 PASADENA TEXAS

**HOUSTON BULK TERMINAL  
 MAINTENANCE DREDGING  
 BARGE DOCK TYPICAL CROSS SECTION**

|           |          |
|-----------|----------|
| DATE      | JUNE '18 |
| DESIGN    | MJS      |
| DRAWN     | JJF      |
| CHECK     |          |
| CONTRACT  | 10754    |
| SHEET No. |          |
| <b>6</b>  | <b>7</b> |

J:\100005\10754 KINDER MORGAN 2018 DREDGE PERMIT RENEWAL\DRAWINGS\10754-0\10754-P07.DWG



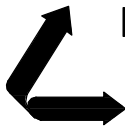
|     |                   |               |              |         |
|-----|-------------------|---------------|--------------|---------|
| 12  | PEGGY LAKE        | 29.73396° N.  | 95.06442° W. | PRIVATE |
| 13  | ALEXANDER ISLAND  | 29.71780° N.  | 95.03375° W. | PRIVATE |
| 14  | SPLIMAN ISLAND    | 29.69138° N.  | 95.00944° W. | PUBLIC  |
| *15 | ADLOY             | 29.84131° N.  | 95.07811° W. | PRIVATE |
| *16 | LAUGHLIN- THYSSIN | 29.74309° N.  | 95.22593° W. | PUBLIC  |
| *17 | TARGA DMPA        | 29.73605° N.  | 95.20944° W. | PUBLIC  |
| *18 | AVERA             | 29.71219° N.  | 94.99683° W. | PRIVATE |
| *19 | HMS 850           | 29.76772° N.  | 95.06683° W. | PRIVATE |
| 20  | WAH CHANG         | 29.769314° N. | 95.20705° W. | PUBLIC  |
| 21  | G.B. BIOSCIENCE   | 29.75502° N.  | 95.75502° W. | PRIVATE |
| 22  | GOAT ISLAND       | 29.46686° N.  | 94.6683° W.  | PUBLIC  |
| 23  | ATKINSON ISLAND   | 29.966144° N. | 94.96492° W. | PUBLIC  |
| *24 | PELICAN ISLAND    | 29.33200° N.  | 94.80600° W. | PUBLIC  |

NOTE  
\* NOT REFERENCED ON MAP

| PROPOSED PLACEMENT AREAS |                          |              |              |                    |
|--------------------------|--------------------------|--------------|--------------|--------------------|
| NO.                      | NAME                     | LAT.         | LON.         | PUBLIC/<br>PRIVATE |
| 1                        | FILTER BED               | 29.76039° N. | 95.28933° W. | PRIVATE            |
| 2                        | GLENDALE                 | 29.75295° N. | 95.27721° W. | PRIVATE            |
| 3                        | STIMSON TRACT            | 29.76234° N. | 95.26092° W. | PRIVATE            |
| 4                        | HOUSE TRACT              | 29.75366° N. | 95.26254° W. | PRIVATE            |
| 5                        | CLINTON                  | 29.75288° N. | 95.23875° W. | PRIVATE            |
| 6                        | ROSA ALLEN               | 29.69621° N. | 95.23242° W. | PRIVATE            |
| 7                        | EAST & WEST JONES        | 29.73216° N. | 95.18978° W. | PRIVATE            |
| 8                        | GREENS BAYOU             | 29.75426° N. | 95.16934° W. | PRIVATE            |
| 9                        | JACINTOPORT (PINTO LION) | 29.75806° N. | 95.13309° W. | PRIVATE            |
| 10                       | BELTWAY 8 TRACT          | 29.74519° N. | 95.13883° W. | PRIVATE            |
| 11                       | LOST LAKE                | 29.77488° N. | 95.08894° W. | PUBLIC             |

PRELIMINARY - FOR PERMIT PURPOSES ONLY

10754-P07



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**KINDER MORGAN PETCOKE, L.P.**  
PASADENA TEXAS

**HOUSTON BULK TERMINAL  
MAINTENANCE DREDGING  
PROJECT DISPOSAL AREAS**

DATE JUNE '18  
DESIGN MJS  
DRAWN JJF  
CHECK  
CONTRACT 10754  
SHEET No.

7 OF 7