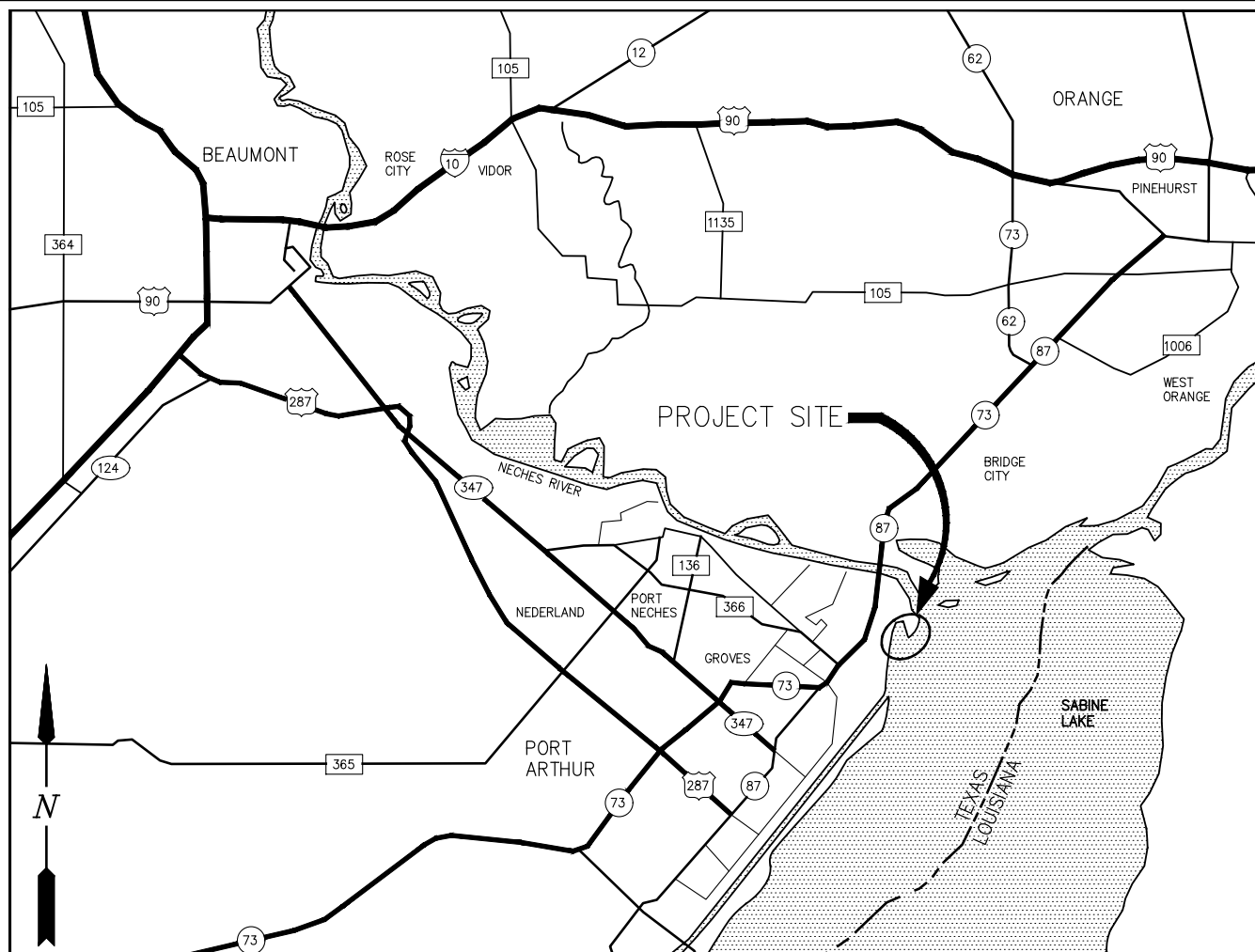
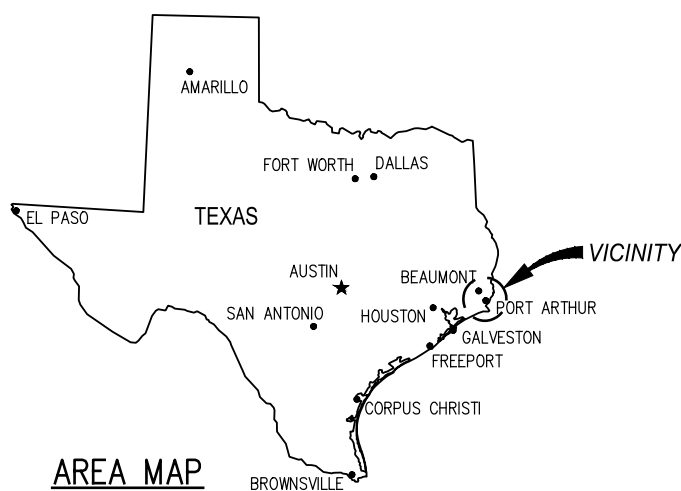




DRAWING INDEX

DRAWING NUMBER	DESCRIPTION
1	VICINITY MAP AND DRAWING INDEX
2	LOCATION MAP
3	EXISTING SITE PLAN
4	PROPOSED OVERALL SITE PLAN
5	ENLARGED PROPOSED SITE PLAN 1 OF 3
6	CONTOURS AND SOUNDINGS
7	TYPICAL CROSS SECTION - ZONE 1
8	ENLARGED PROPOSED SITE PLAN 2 OF 3
9	CONTOURS AND SOUNDINGS
10	TYPICAL CROSS SECTION - ZONE 2
11	TYPICAL CROSS SECTION - ZONE 3
12	ENLARGED PROPOSED SITE PLAN 3 OF 3
13	CONTOURS AND SOUNDINGS
14	TYPICAL CROSS SECTION - ZONE 4
15	TYPICAL CROSS SECTION - ZONE 4
16	TYPICAL CROSS SECTION - ZONE 5
17	TYPICAL MONOPILE PLAN AND ELEVATION
18	PROPOSED USAGE PLACEMENT AREA
19	PROPOSED BENEFICIAL USE SITE

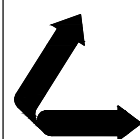


PROJECT SITE COORDINATES:

29°57'42.14"N
93°51'35.61"W

PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
2



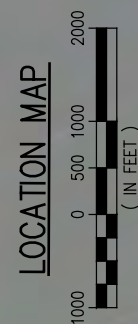
LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED

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

VLS RECOVERY SERVICES, LLC
PORT ARTHUR TEXAS

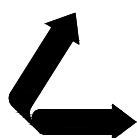
BARGE FACILITY IMPROVMENTS
VICINITY MAP AND DRAWING INDEX
SWG-2016-00744

DATE SEP. '21
DESIGN JES
DRAWN ADG
CHECK BNF
JOB NO. 11220
SHEET No.
1 OF 19



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REV
2



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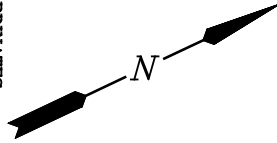
VLS RECOVERY SERVICES, LLC
PORT ARTHUR TEXAS

BARGE FACILITY IMPROVMENTS
LOCATION MAP
SWG-2016-00744

DATE SEP. '21
DESIGN JES
DRAWN ADG
CHECK BNF
JOB NO 11220
SHEET No.
2 OF 19

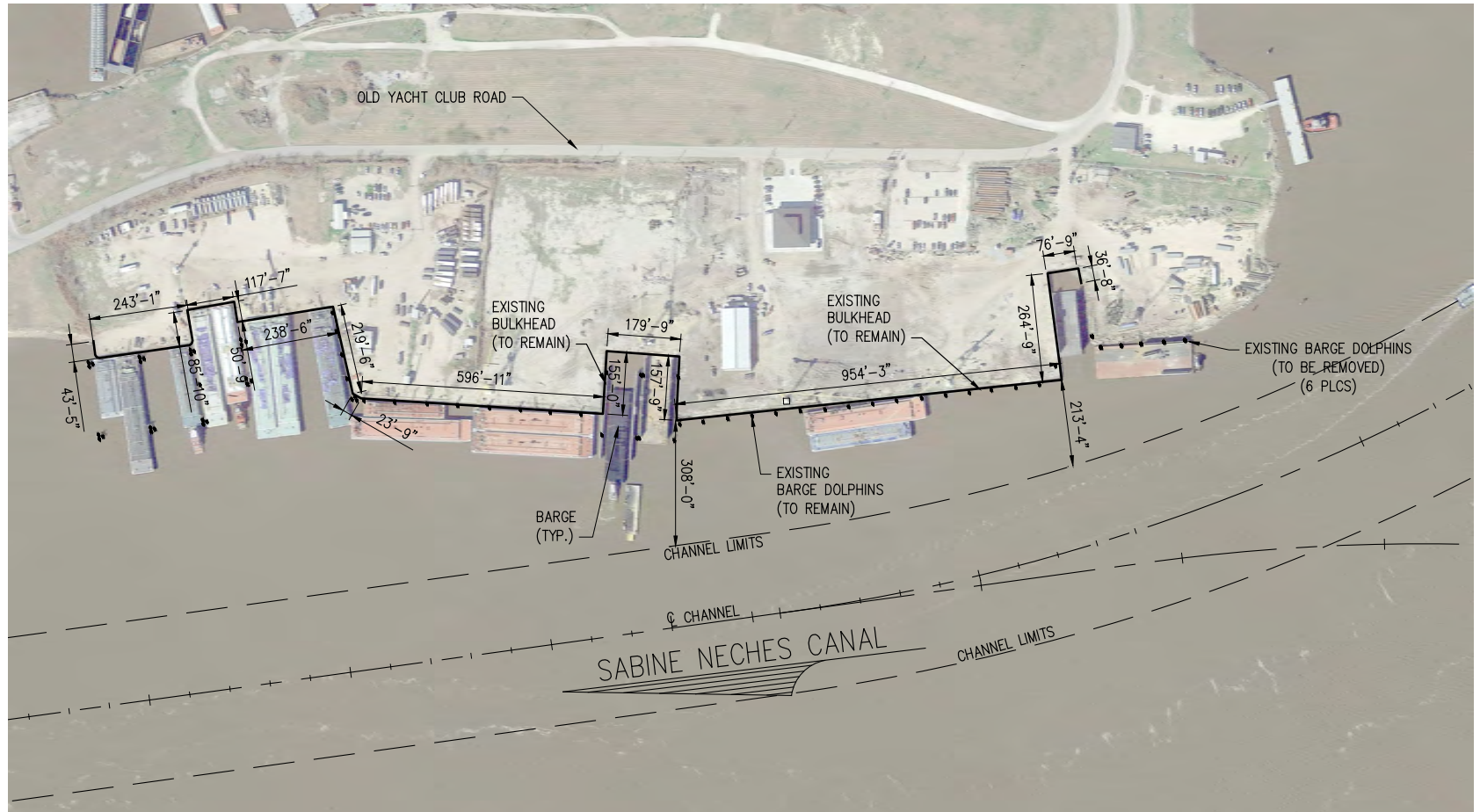
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PROJECT SITE COORDINATES:
29°57'42.14"N
93°51'36.61"W

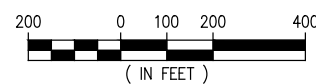


NOTES:

1. LOCATIONS OF BULKHEAD CORNERS AND BARGE DOLPHINS GATHERED BY SOUTEX SURVEYORS & ENGINEERS IN JUNE, 2017.



EXISTING SITE PLAN



PRELIMINARY - FOR PERMIT PURPOSES ONLY

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LA: C-1120 TX: F-2981
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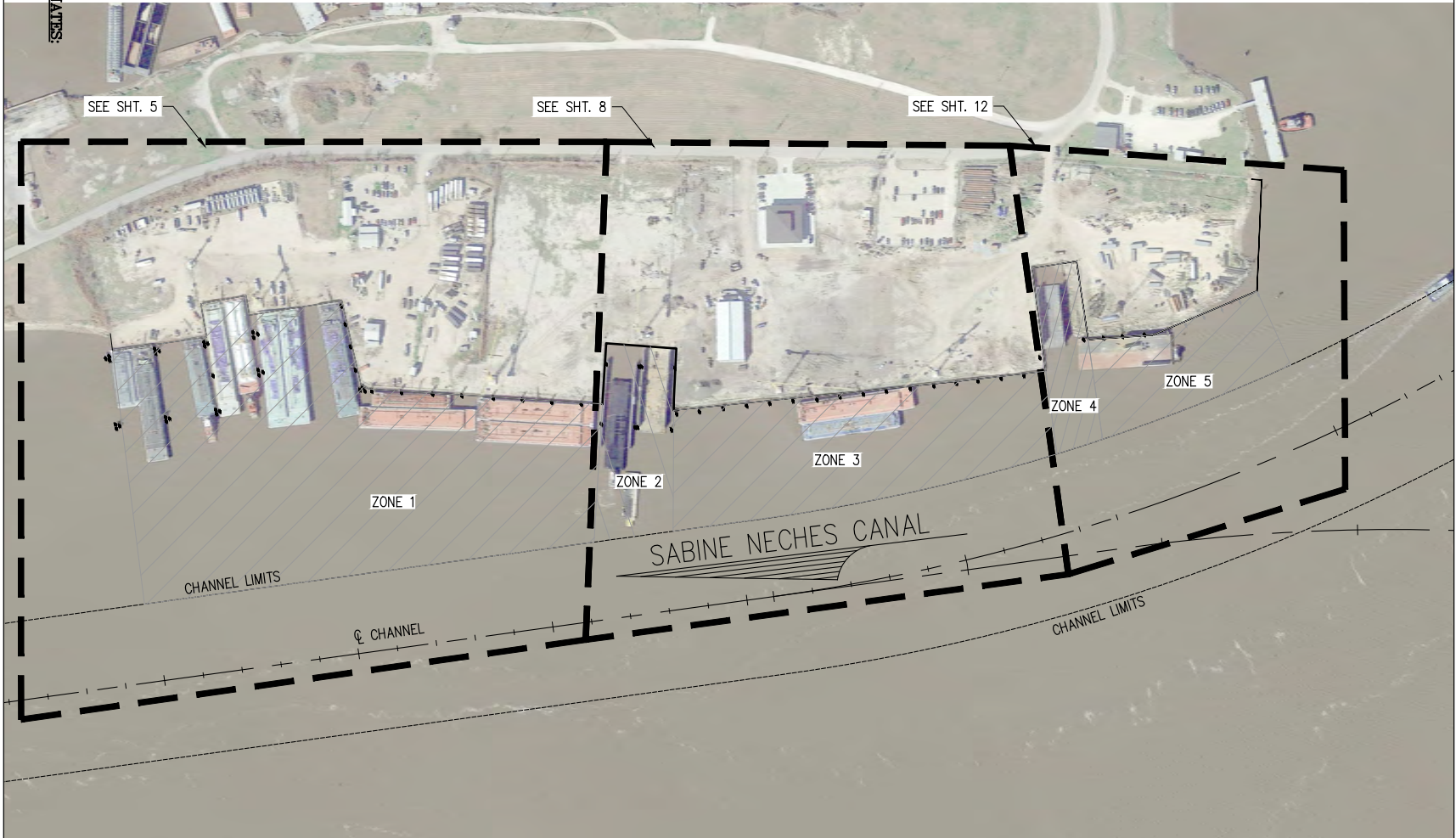
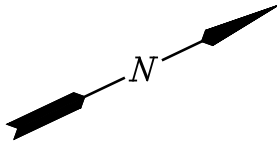
BARGE FACILITY IMPROVEMENTS
EXISTING SITE PLAN
SWG-2016-00744

DATE SEP. '21
DESIGN JES
DRAWN ADG
CHECK BNF
JOB NO. 11220
SHEET NO. 3 OF 19

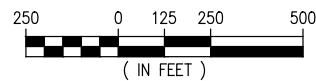
REV
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PROJECT SITE COORDINATES:
29°57'42.14"N
83°51'35.61"W



PROPOSED OVERALL SITE PLAN



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INCORPORATED
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NEW ORLEANS, LA • BEAUMONT, TX

VLS RECOVERY SERVICES, LLC
BARGE FACILITY IMPROVEMENTS
PROPOSED OVERALL SITE PLAN
SWG-2016-00744

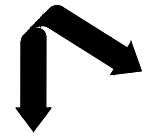
DATE	SEP. '21
DESIGN	JES
DRAWN	ADG
CHECK	BNF
JOB NO.	11220
SHEET NO.	4 OF 19

REV
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J:\11000S\11220 VLA MARINEUSACE PERMITTING\DRAWINGS\11220-P5.DWG

PROJECT SITE COORDINATES:
29°57'42.14"N
93°51'35.61"W

PRELIMINARY - FOR PERMIT PURPOSES ONLY



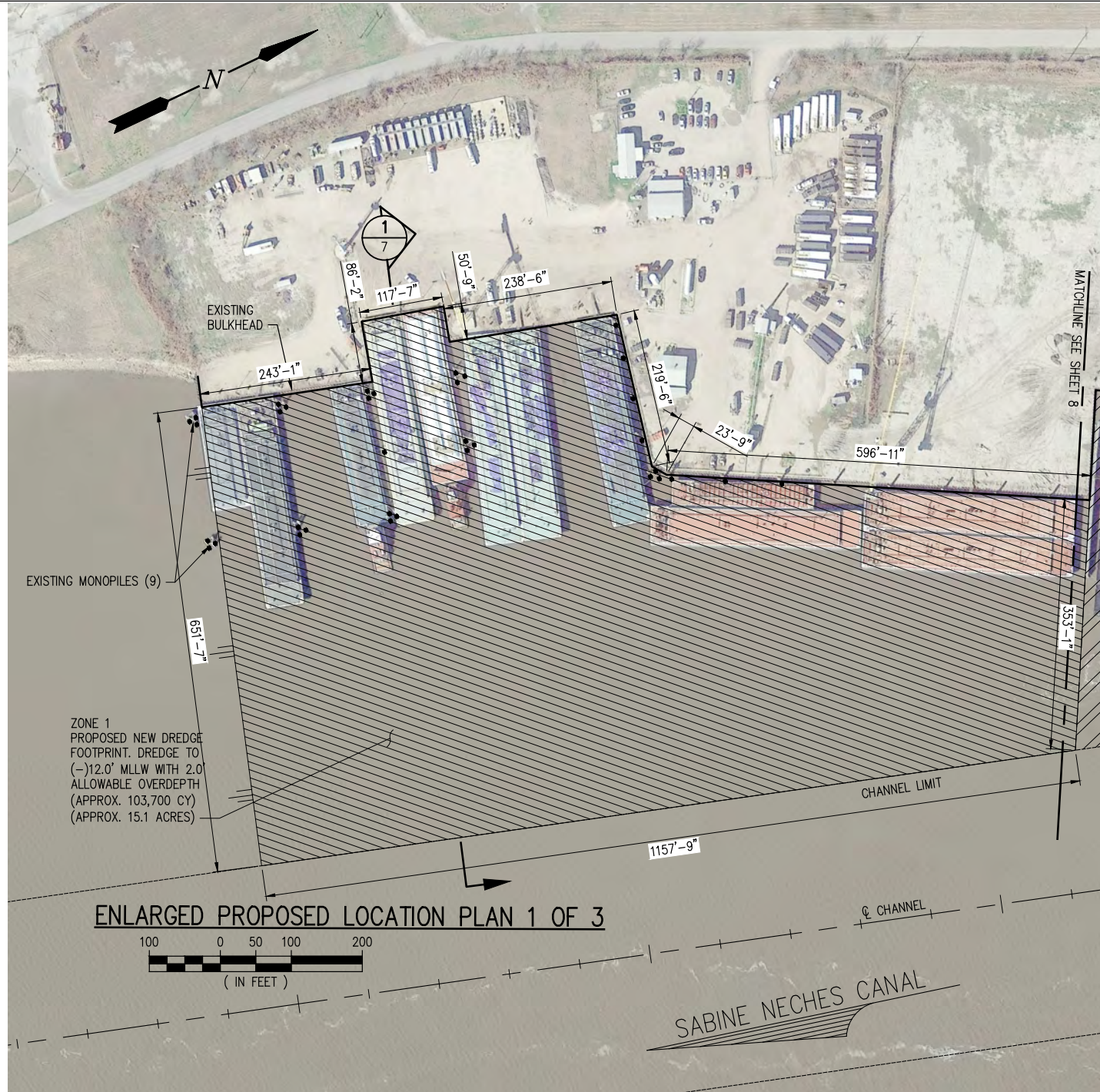
LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED
LA: G-1120
NEW ORLEANS, LA • BEAUMONT, TX
TX: F-2981

VLS RECOVERY SERVICES, LLC
PORT ARTHUR, TEXAS

BARGE FACILITY IMPROVEMENTS
ENLARGED PROPOSED LOCATION 1 OF 3
SWG-2016-00744

DATE SEP. '21
DESIGN JES
DRAWN ADG
CHECK BNF
JOB NO. 11220
SHEET No. 5 OF 19

REV
2



J:\11000S\11220 VLA MARINEUSACE PERMITTING\DRAWINGS\11220-P6.DWG

PROJECT SITE COORDINATES:
29°57'42.14"N
93°51'35.61"W

PRELIMINARY - FOR PERMIT PURPOSES ONLY

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CONSULTING ENGINEERS
INCORPORATED

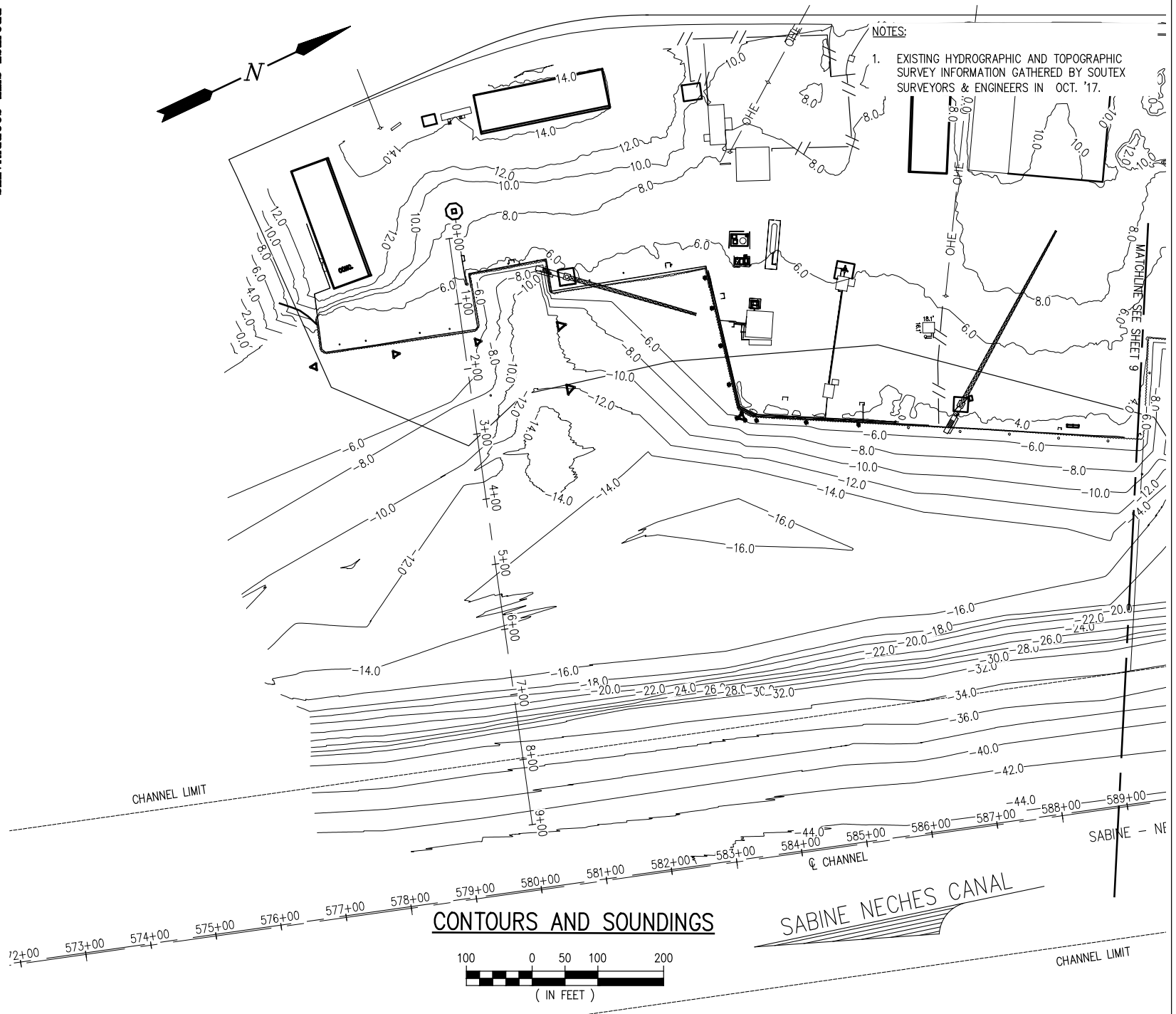
LA: C-1120 TX: F-2981
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VLS RECOVERY SERVICES, LLC
PORT ARTHUR TEXAS

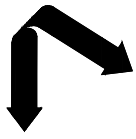
BARGE FACILITY IMPROVEMENTS
ENLARGED PROPOSED LOCATION 1 OF 3
SWG-2016-00744

DATE SEP. '21
DESIGN JES
DRAWN ADG
CHECK BNF
JOB NO. 11220
SHEET NO. 6 OF 19

REV
2



J:\11000S\11220 VLA MARINEUSACE PERMITTING\DRAWINGS\11220-P7.DWG



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PORT ARTHUR, TEXAS

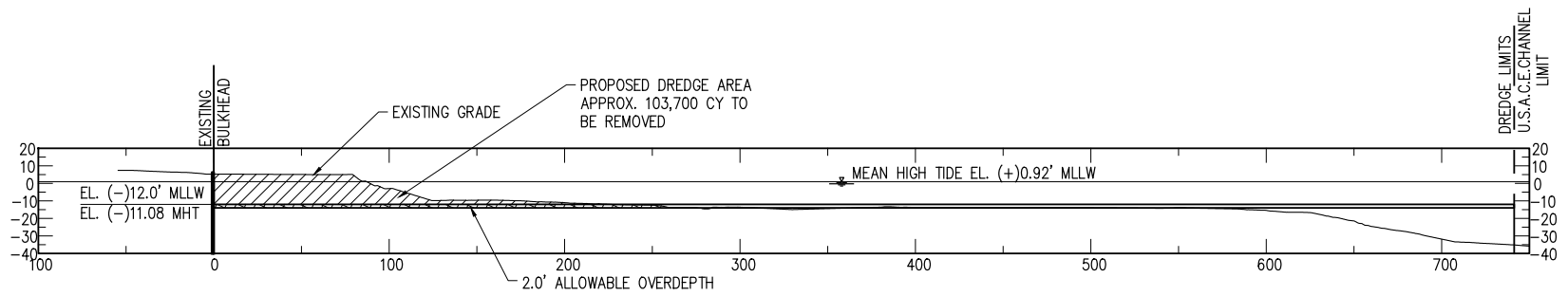
BARGE FACILITY IMPROVEMENTS
TYPICAL CROSS SECTION - ZONE 1
SWG-2016-00744

DATE SEP. '21
DESIGN JES
DRAWN ADG
CHECK BNF
JOB NO. 11220
SHEET NO. 7 OF 19

REV
2

NOTES:

- 0.0' MLLW = 0.92' MHT
- PROPOSED NEW DREDGE LIMITS TO BE DREDGED TO EL. (-)12.0' MLLW WITH 2.0' ALLOWABLE OVERDEPTH.



SECTION 1 - ZONE 1



1
5

(IN FEET)

J:\11000S\11220 VLA MARINEUSACE PERMITTING\DRAWINGS\11220-P8.DWG

PROJECT SITE COORDINATES:
29°57'42.14"N
93°51'35.61"W

PRELIMINARY - FOR PERMIT PURPOSES ONLY

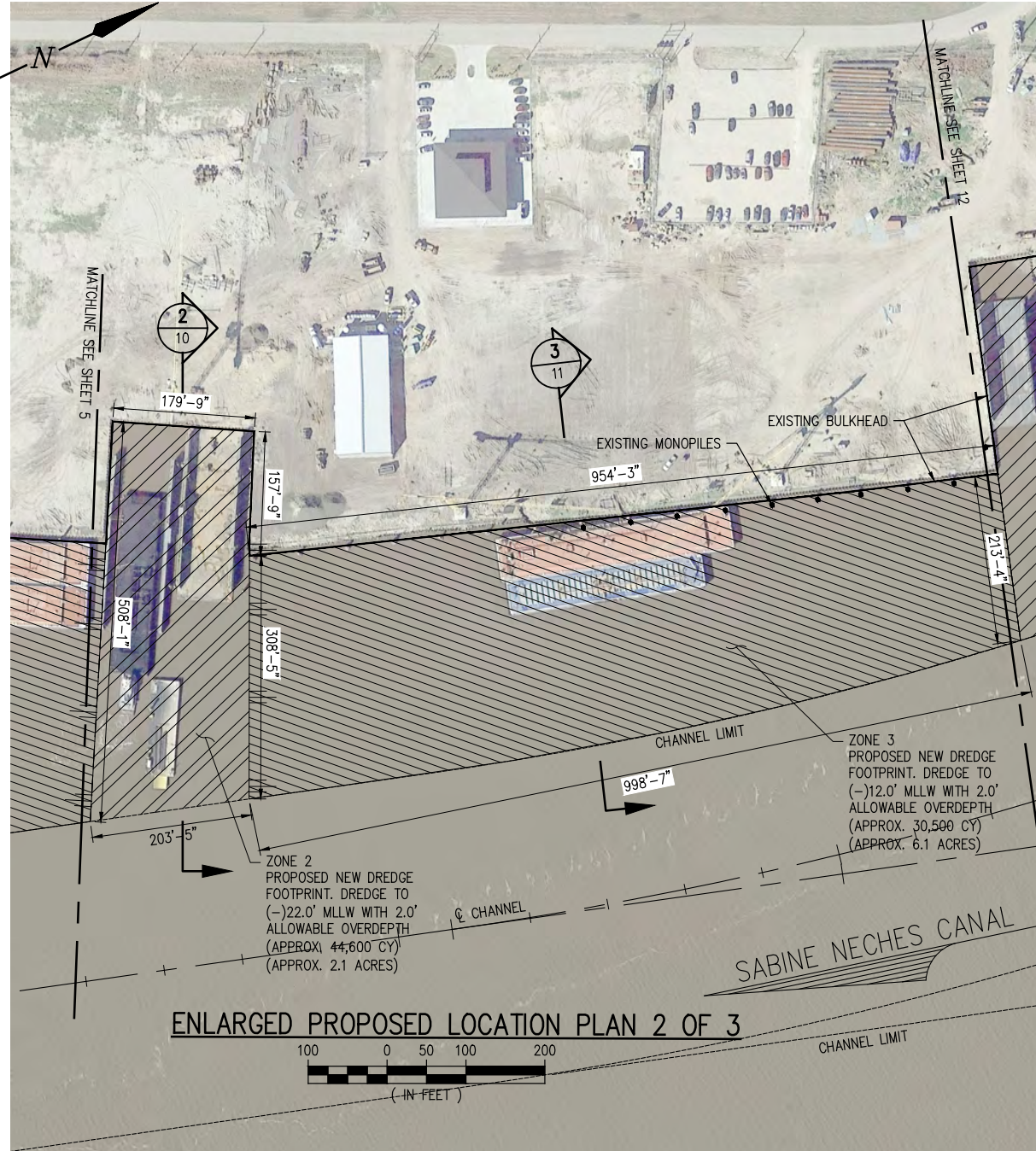
VLS RECOVERY SERVICES, LLC
PORT ARTHUR TEXAS

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BARGE FACILITY IMPROVEMENTS
ENLARGED PROPOSED LOCATION 2 OF 3
SWG-2016-00744

DATE SEP. '21
DESIGN JES
DRAWN ADG
CHECK BNF
JOB NO. 11220
SHEET NO. 8 OF 19

REV
2



J:\11000S\11220 VLA MARINEUSACE PERMITTING\DRAWINGS\11220-P9.DWG

PROJECT SITE COORDINATES:
29°57'42.14"N
93°51'35.61"W

PRELIMINARY - FOR PERMIT PURPOSES ONLY

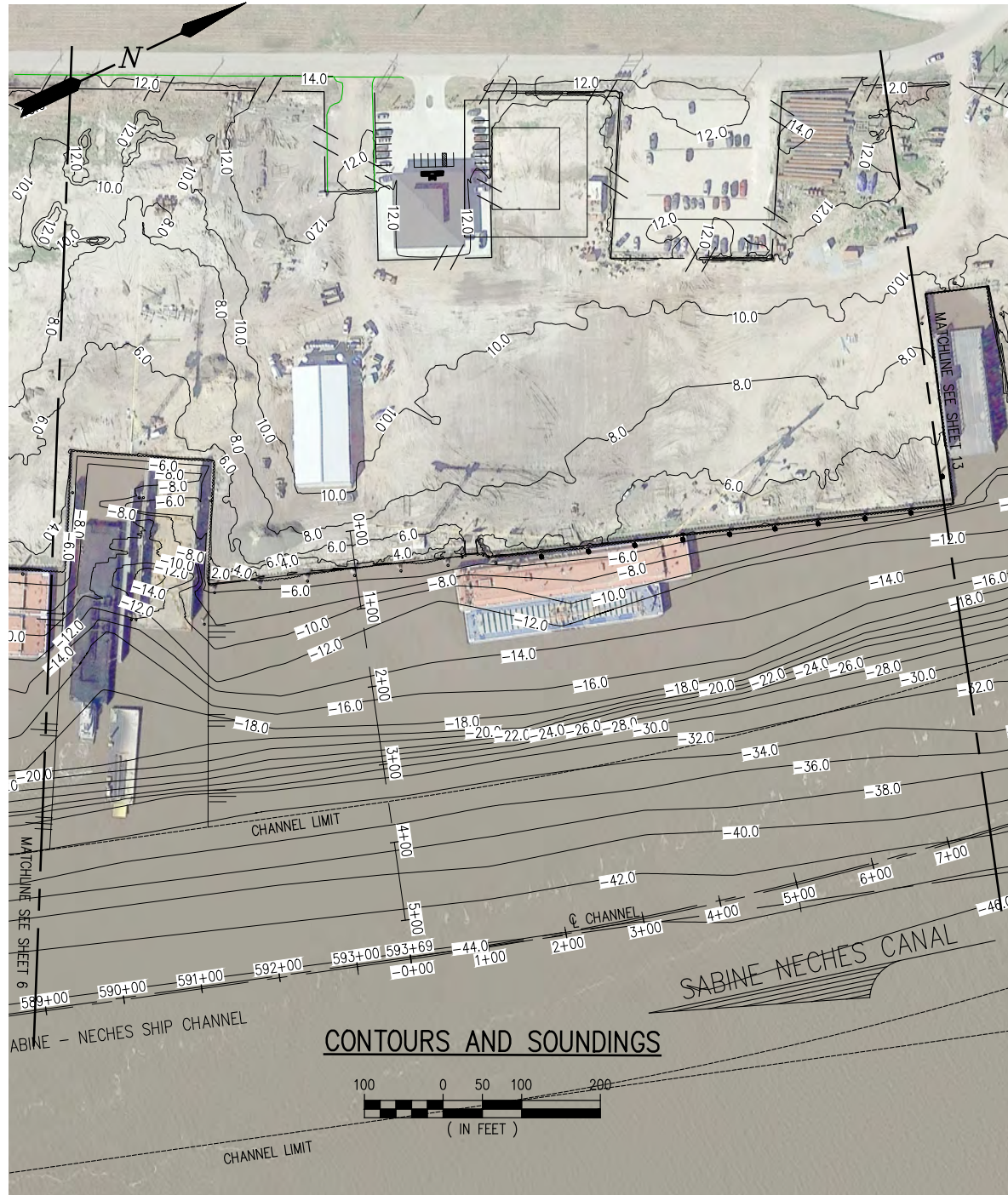
VLS RECOVERY SERVICES, LLC
PORT ARTHUR, TEXAS

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INCORPORATED
LA: C-1120 TX: F-2981
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BARGE FACILITY IMPROVEMENTS
ENLARGED PROPOSED LOCATION 2 OF 3
SWG-2016-00744

DATE SEP. '21
DESIGN JES
DRAWN ADG
CHECK BNF
JOB NO. 11220
SHEET NO. 9 OF 19

REV
2



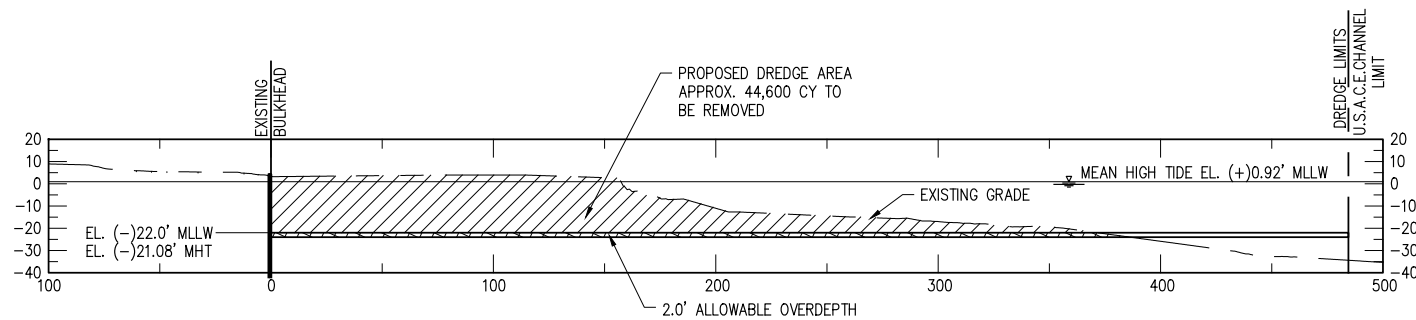
NOTES:

1. EXISTING HYDROGRAPHIC AND TOPOGRAPHIC SURVEY INFORMATION GATHERED BY SOUTEX SURVEYORS & ENGINEERS IN OCT. '17.

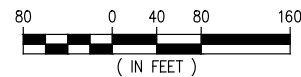
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NOTES:

1. 0.0' MLLW = 0.92' MHT
2. PROPOSED NEW DREDGE LIMITS TO BE DREDGED TO EL. (-)22.0' MLLW WITH 2.0' ALLOWABLE OVERDEPTH.



SECTION 2 – ZONE 2


$$\frac{2}{8}$$

PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
2

LANIER & ASSOCIATES

3
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12

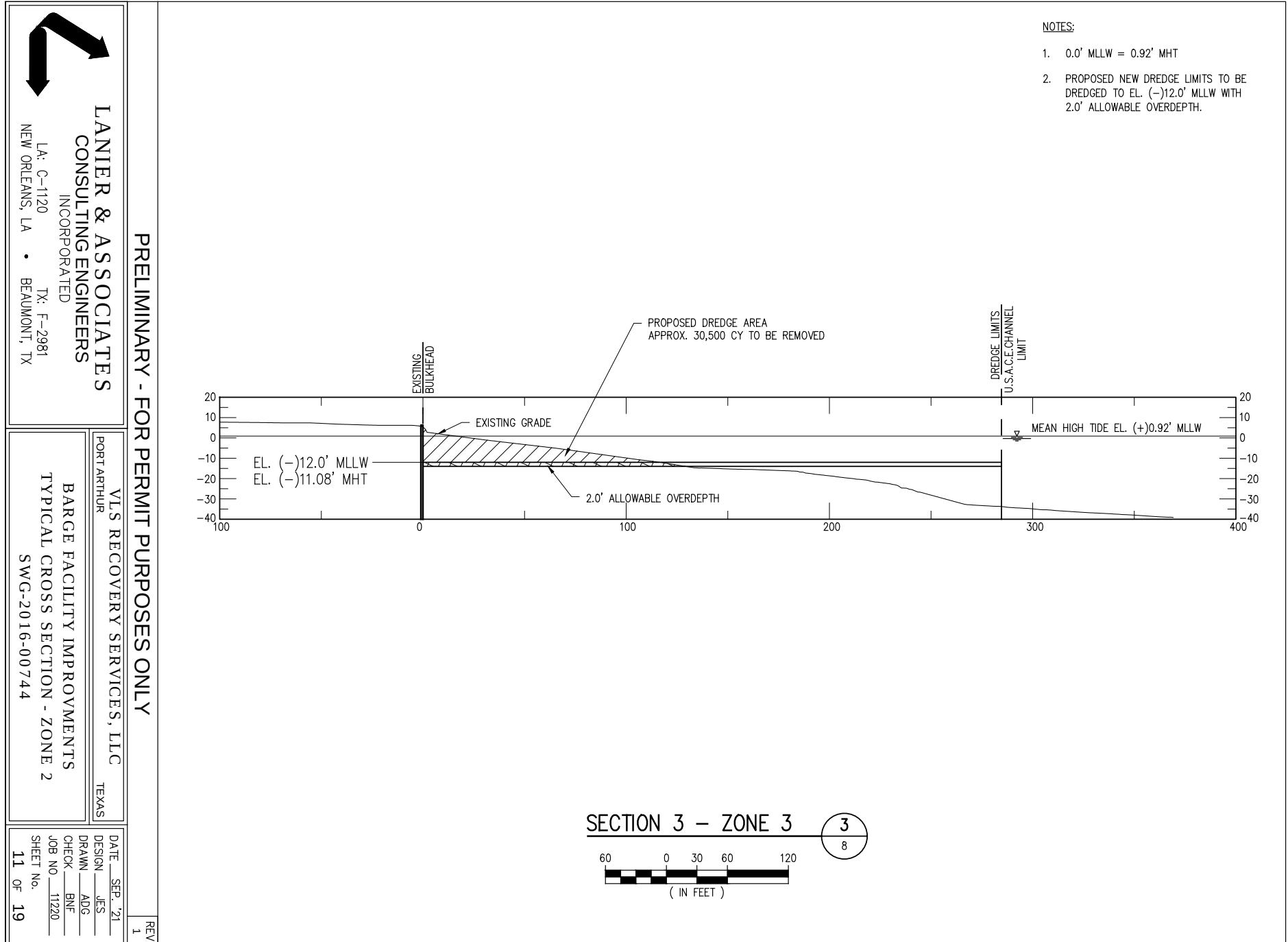
LA: C-1120 TX: F-2981
NEW ORLEANS, LA • BEAUMONT, TX

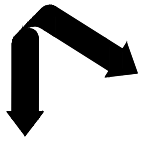
VLS RECOVERY SERVICES, LLC
PORT ARTHUR TEXAS

**BARGE FACILITY IMPROVEMENTS
TYPICAL CROSS SECTION - ZONE 2
SWG-2016-00744**

DATE SEP. '21
DESIGN JES
DRAWN ADG
CHECK BNF
JOB NO. 11220
SHEET No. 10 OF 19

J:\110005\11220 VLA MARINEUSACE PERMITTING\DRAWINGS\11220-P11.DWG





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

PRELIMINARY - FOR PERMIT PURPOSES ONLY

PROJECT SITE COORDINATES:
29°57'42.14"N
93°51'35.61"W

EXISTING BULKHEAD TO BE
PARTIALLY REMOVED
(APPROX. 250± LINEAR FT)

ZONE 6
AREA BEHIND NEW
BULKHEAD TO BE FILLED
WITH APPROX. 5,300 CY
(APPROX. 0.2 ACRES)
(APPROX. 1,860 CY TO BE
FILLED UNDER MHT)
(TO BE FILLED WITH CLEAN
OR DREDGED MATERIAL)

PROPOSED NEW
BULKHEAD 877.5 LF

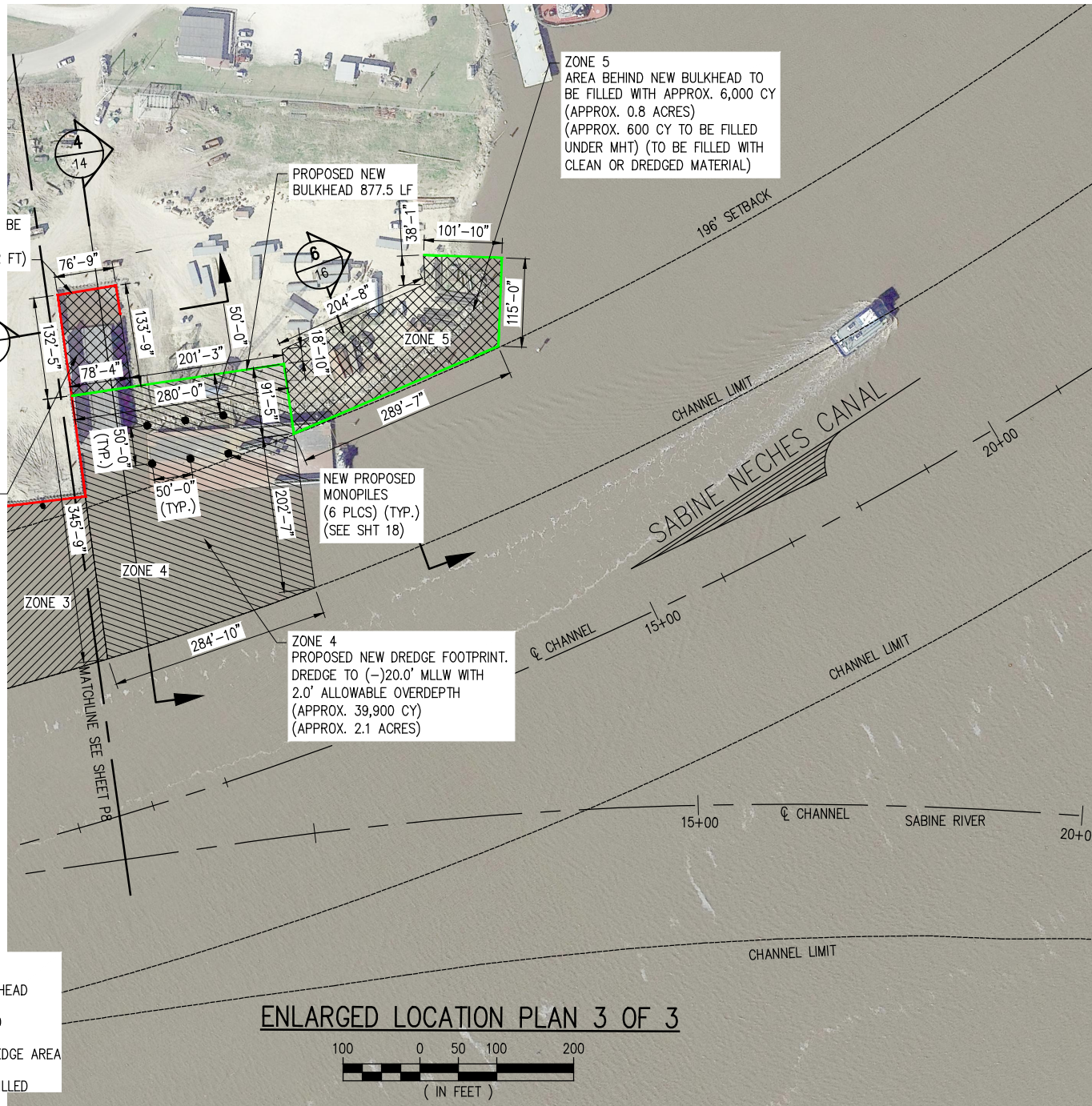
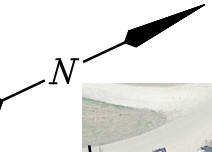
ZONE 5
AREA BEHIND NEW BULKHEAD TO
BE FILLED WITH APPROX. 6,000 CY
(APPROX. 0.8 ACRES)
(APPROX. 600 CY TO BE FILLED
UNDER MHT) (TO BE FILLED WITH
CLEAN OR DREDGED MATERIAL)

NEW PROPOSED
MONOPILES
(6 PLCS) (TYP.)
(SEE SHT 18)

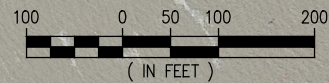
ZONE 4
PROPOSED NEW DREDGE FOOTPRINT.
DREDGE TO (-)20.0' MLLW WITH
2.0' ALLOWABLE OVERDEPTH
(APPROX. 39,900 CY)
(APPROX. 2.1 ACRES)

LEGEND

- EXISTING BULKHEAD
- NEW BULKHEAD
- PROPOSED DREDGE AREA
- AREA TO BE FILLED



ENLARGED LOCATION PLAN 3 OF 3



VLS RECOVERY SERVICES, LLC
PORT ARTHUR TEXAS

BARGE FACILITY IMPROVEMENTS
ENLARGED PROPOSED LOCATION 3 OF 3
SWG-2016-00744

DATE SEP '21
DESIGN JES
DRAW ADG
CHECK BNF
JOB NO 11220
SHEET No. 12 OF 19
REV 2

J:\11000S\11220 VLA MARINEUSACE PERMITTING\DRAWINGS\11220-P13.DWG

PROJECT SITE COORDINATES:
29°57'42.14"N
83°51'35.61"W

PRELIMINARY - FOR PERMIT PURPOSES ONLY

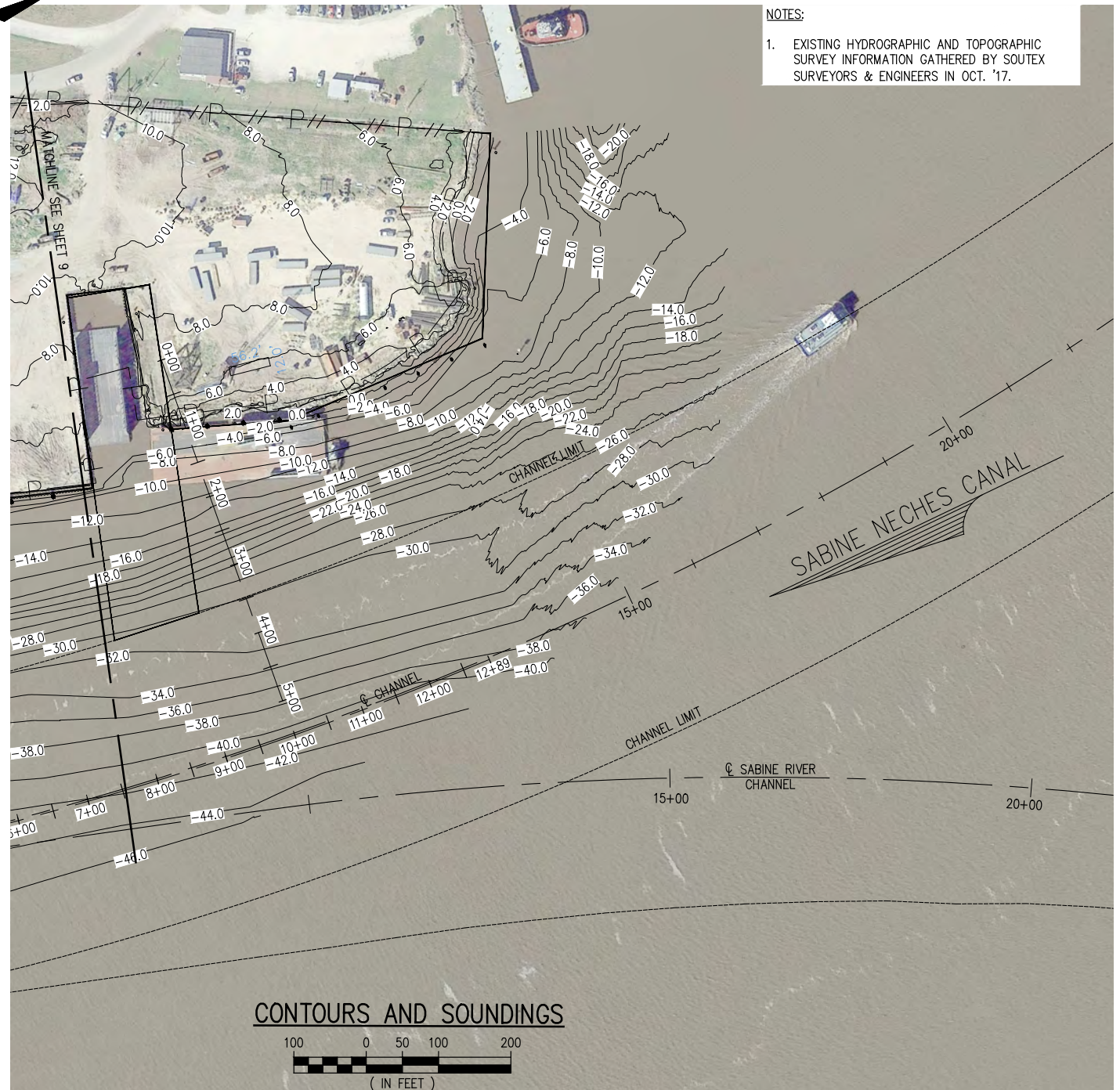
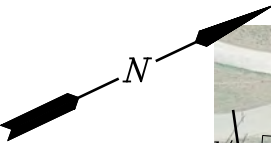
VLS RECOVERY SERVICES, LLC
PORT ARTHUR TEXAS

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LA: C-1120 TX: F-2981
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BARGE FACILITY IMPROVEMENTS
ENLARGED PROPOSED LOCATION 3 OF 3
SWG-2016-00744

DATE SEP. '21
DESIGN JES
DRAWN ADG
CHECK BNF
JOB NO. 11220
SHEET NO. 13 OF 19

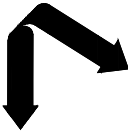
REV
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NOTES:

1. EXISTING HYDROGRAPHIC AND TOPOGRAPHIC SURVEY INFORMATION GATHERED BY SOUTEX SURVEYORS & ENGINEERS IN OCT. '17.

J:\11000S\11220 VLA MARINEUSACE PERMITTING\DRAWINGS\11220-P14.DWG

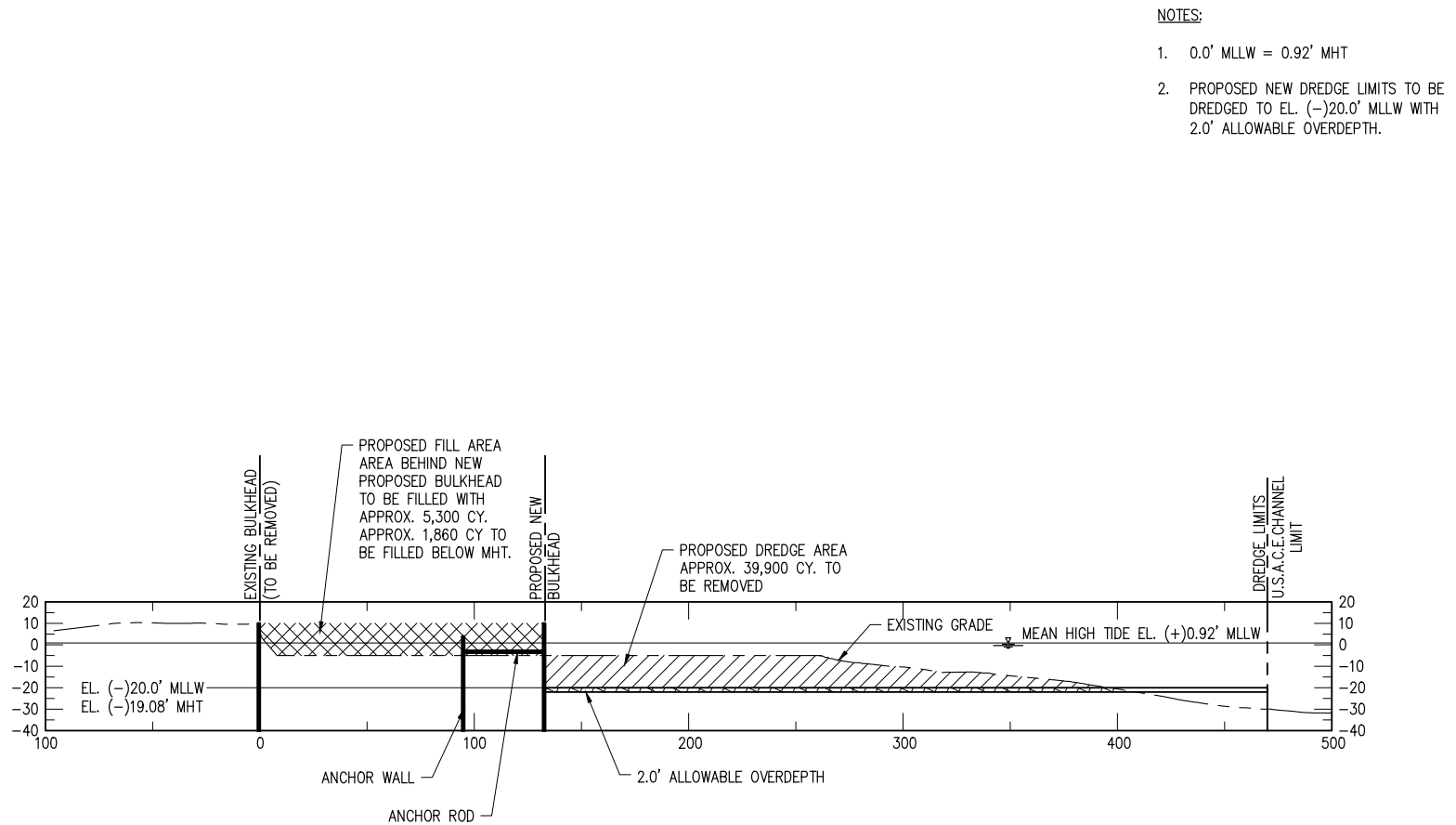


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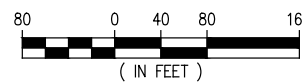
VLS RECOVERY SERVICES, LLC
PORT ARTHUR, TEXAS
BARGE FACILITY IMPROVEMENTS
TYPICAL CROSS SECTION - ZONE 4
SWG-2016-00744

DATE SEP. '21
DESIGN JES
DRAWN ADG
CHECK BNF
JOB NO. 11220
SHEET NO. 14 OF 19

PRELIMINARY - FOR PERMIT PURPOSES ONLY

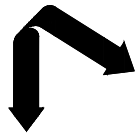


SECTION 4 - ZONE 4



4
12

J:\11000S\11220 VLA MARINEUSACE PERMITTING\DRAWINGS\11220-P15.DWG



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PRELIMINARY - FOR PERMIT PURPOSES ONLY

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PORT ARTHUR TEXAS

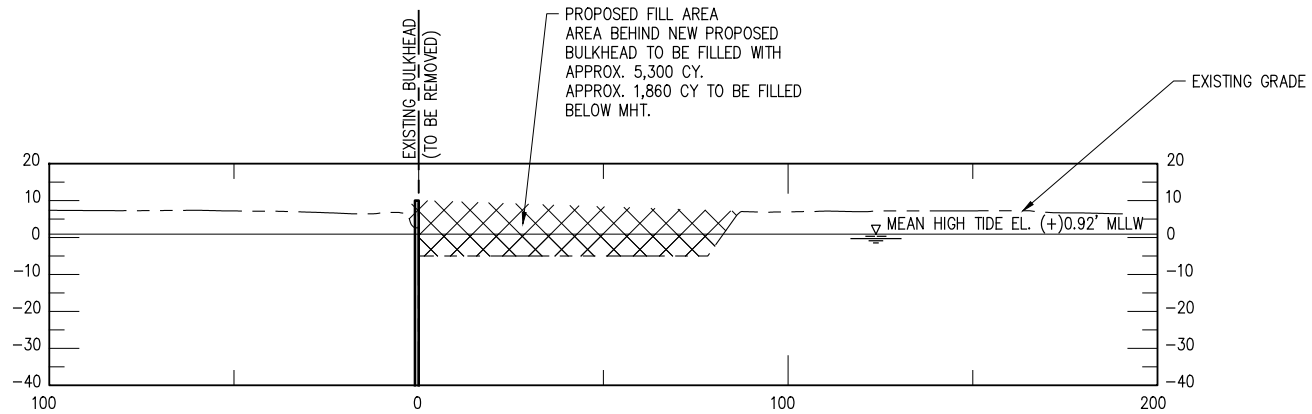
BARGE FACILITY IMPROVEMENTS
TYPICAL CROSS SECTION - ZONE 4
SWG-2016-00744

DATE SEP. '21
DESIGN JES
DRAWN ADG
CHECK BNF
JOB NO. 11220
SHEET No.
15 OF 19

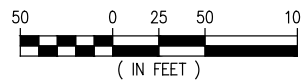
REV
2

NOTES:

- 0.0' MLLW = 0.92' MHT
- PROPOSED NEW DREDGE LIMITS TO BE DREDGED TO EL. (-)20.0' MLLW WITH 2.0' ALLOWABLE OVERDEPTH.



SECTION 5 - ZONE 4

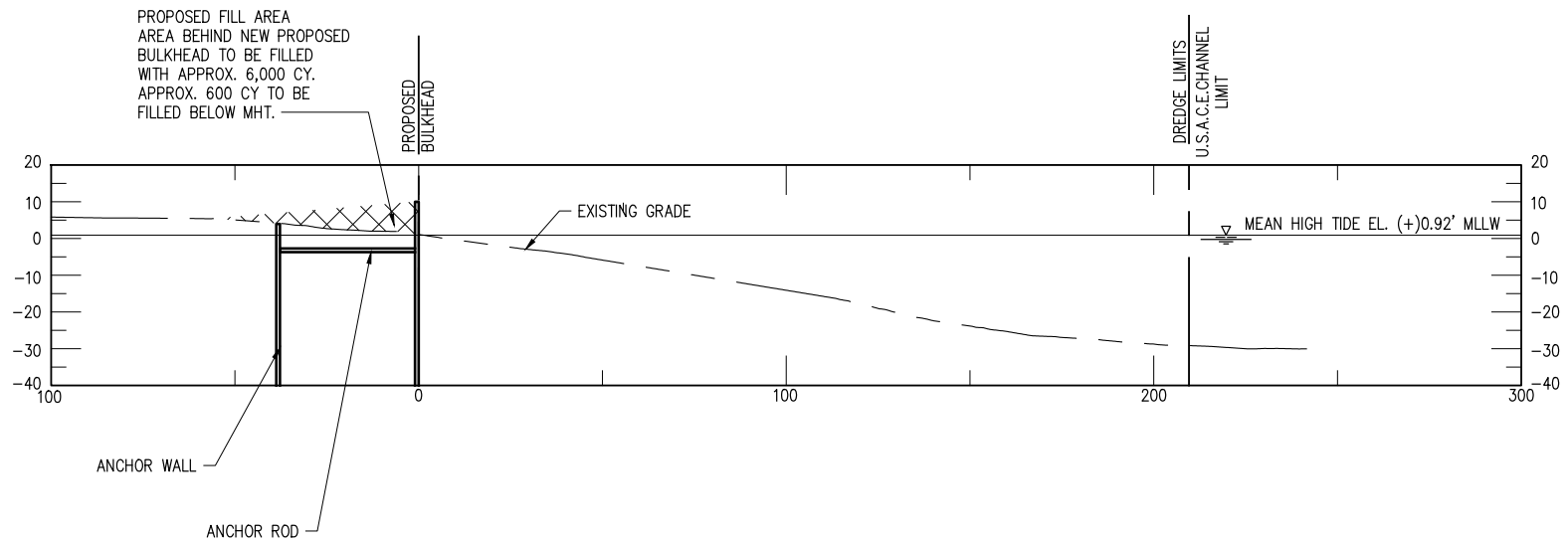


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12

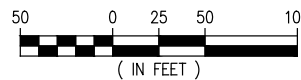
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NOTES:

- 0.0' MLLW = 0.92' MHT



SECTION 6 - ZONE 5



6
12

PRELIMINARY - FOR PERMIT PURPOSES ONLY

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PORT ARTHUR, TEXAS

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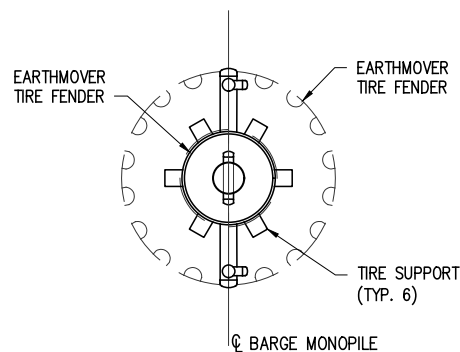
BARGE FACILITY IMPROVEMENTS
TYPICAL CROSS SECTION - ZONE 4
SWG-2016-00744

DATE SEP. '21
DESIGN JES
DRAWN ADG
CHECK BNF
JOB NO. 11220
SHEET NO. 16 OF 19

REV
2

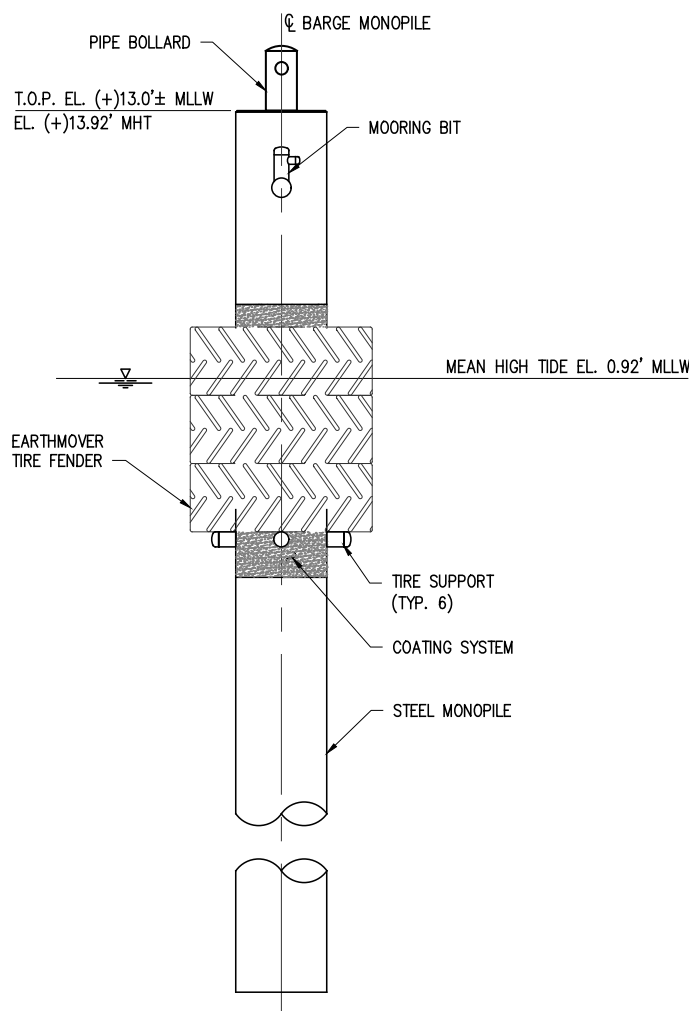
NOTES:

1. MEAN HIGH TIDE
LINE = 0.92' MLLW



BARGE MONOPILE PLAN

N.T.S.



**BARGE MONOPILE
ELEVATION**

N.T.S.
(6 REQUIRED)

PROJECT SITE COORDINATES:

29°57'42.14"N
93°51'35.61"W

PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
2

LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED

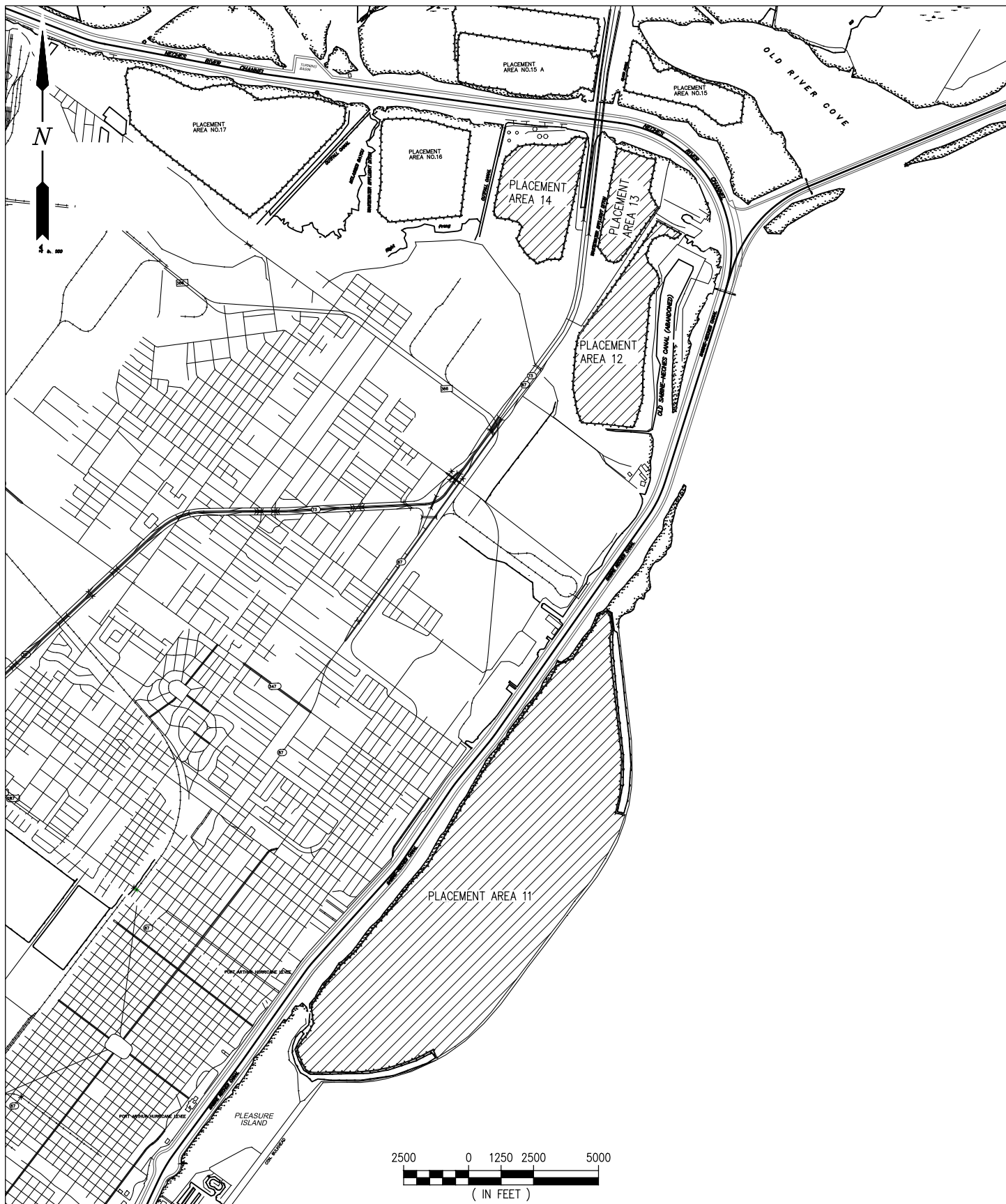
LA: C-1120 TX: F-2981
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VLS RECOVERY SERVICES, LLC
PORT ARTHUR TEXAS

**BARGE FACILITY IMPROVMENTS
TYPICAL MONOPILE PLAN AND ELEVATION**

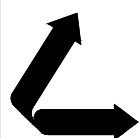
SWG-2016-00744

DATE SEP. '21
DESIGN JES
DRAWN ADG
CHECK BNF
JOB NO 11220
SHEET No.
17 OF 19



PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
2



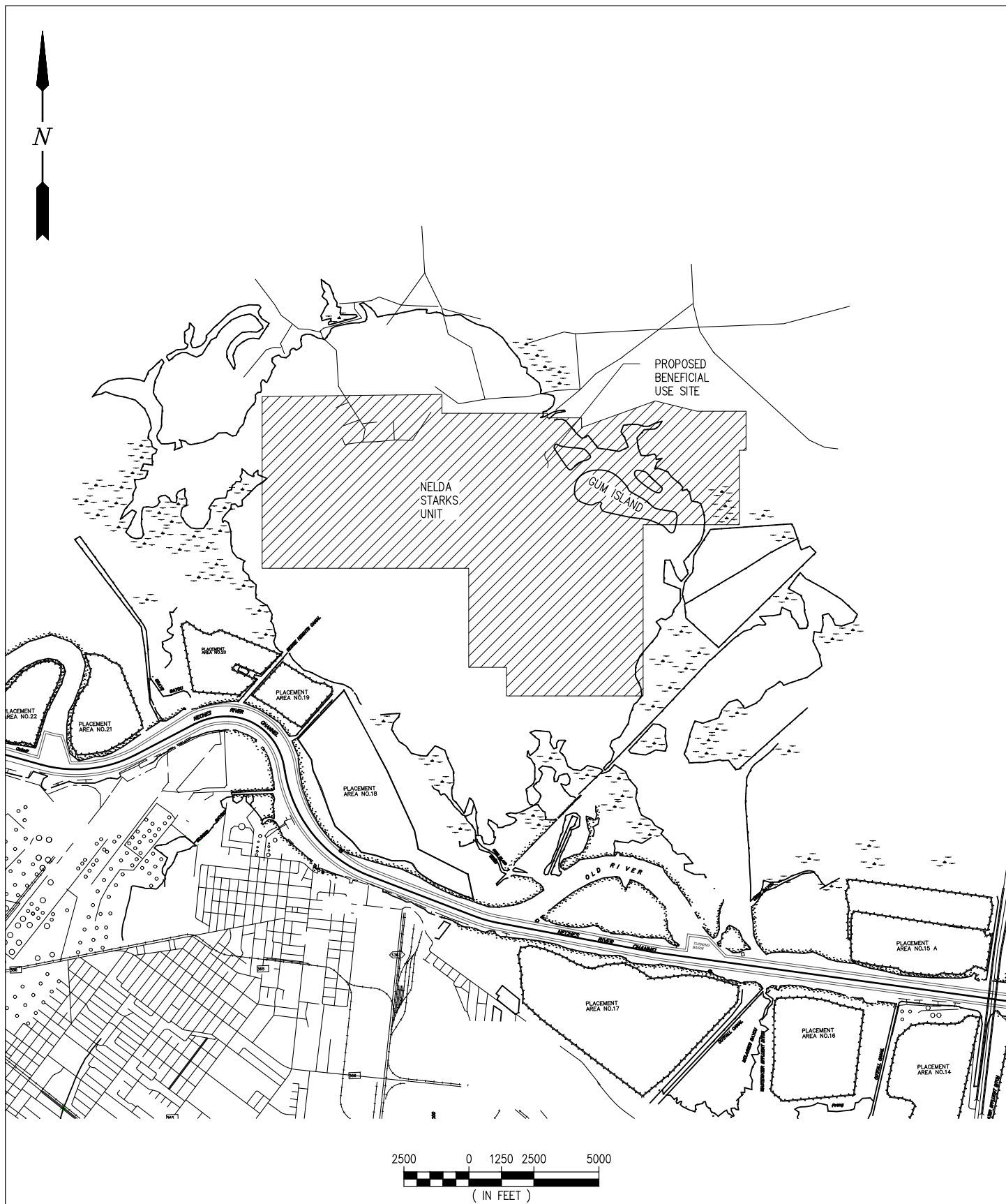
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VLS RECOVERY SERVICES, LLC
PORT ARTHUR TEXAS

BARGE FACILITY IMPROVMENTS
PROPOSED USACE PLACEMENT AREA
SWG-2016-00744

DATE SEP. '21
DESIGN JES
DRAWN ADG
CHECK BNF
JOB NO 11220
SHEET No.
18 OF 19



PRELIMINARY - FOR PERMIT PURPOSES ONLY

REV
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LANIER & ASSOCIATES
CONSULTING ENGINEERS
INCORPORATED

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

VLS RECOVERY SERVICES, LLC
PORT ARTHUR TEXAS

BARGE FACILITY IMPROVMENTS
PROPOSED BENEFICIAL USE SITE
SWG-2016-00744

DATE	SEP. '21
DESIGN	JES
DRAWN	ADG
CHECK	BNF
JOB NO	11220
SHEET No.	19 OF 19

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