

THIS DRAWING IS FOR REGULATORY PURPOSES ONLY AND IS NOT TO BE USED FOR BIDDING OR CONSTRUCTION



ACTIVITY: LOCATION MAP

APPLICANT: SABINE NECHES NAVIGATION DISTRICT
STEPHENSON TRACT DREDGE MATERIAL PLACEMENT AREA (DMPA)

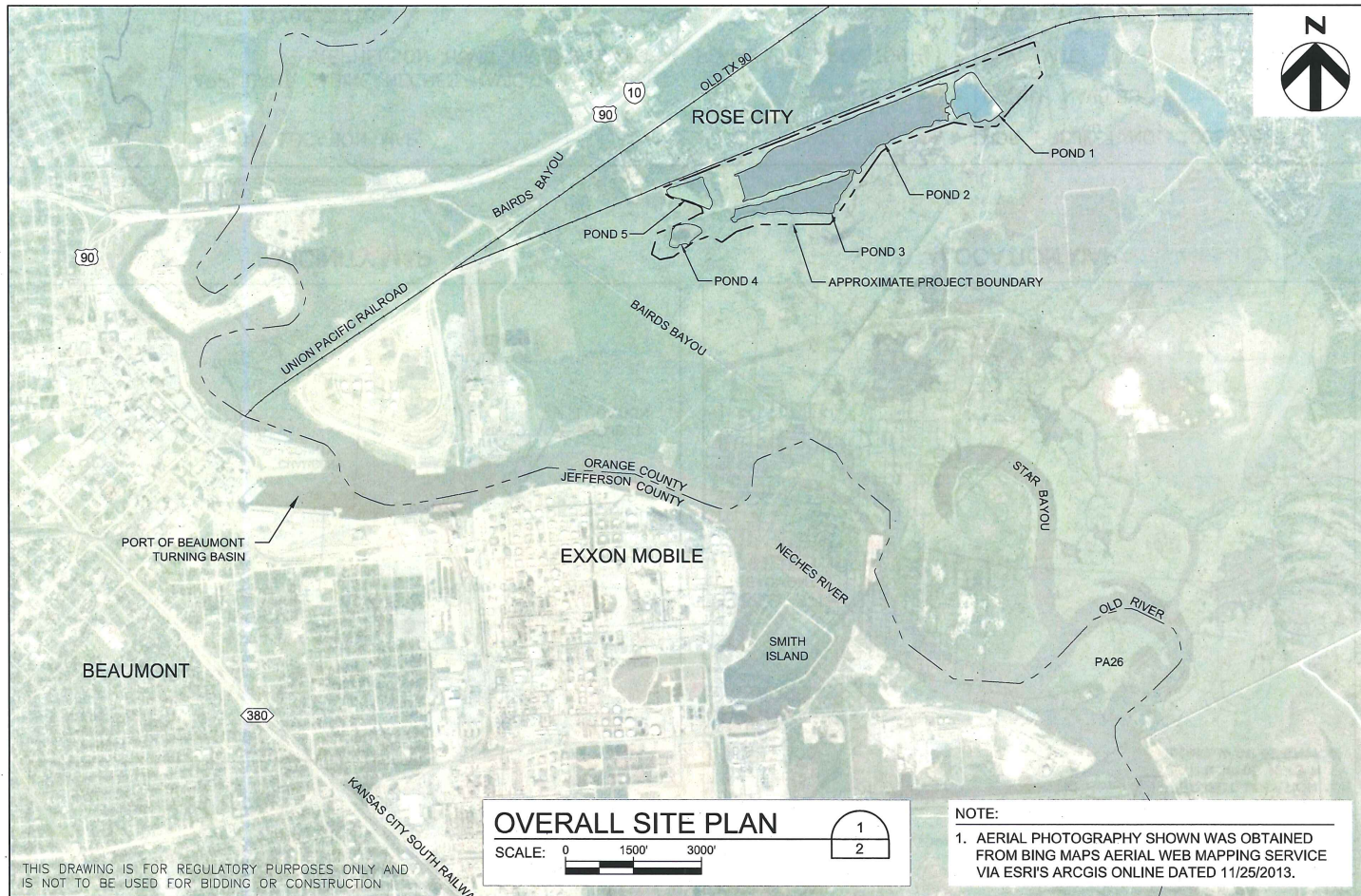
DATE: 03/08/2018

HDR PROJECT NO: 10069781

DATUM: NAVD'88

REV. DATE:

SHEET 1 OF 6



ACTIVITY: OVERALL SITE PLAN

APPLICANT: SABINE NECHES NAVIGATION DISTRICT
STEPHENSON TRACT DREDGE MATERIAL PLACEMENT AREA (DMPA)

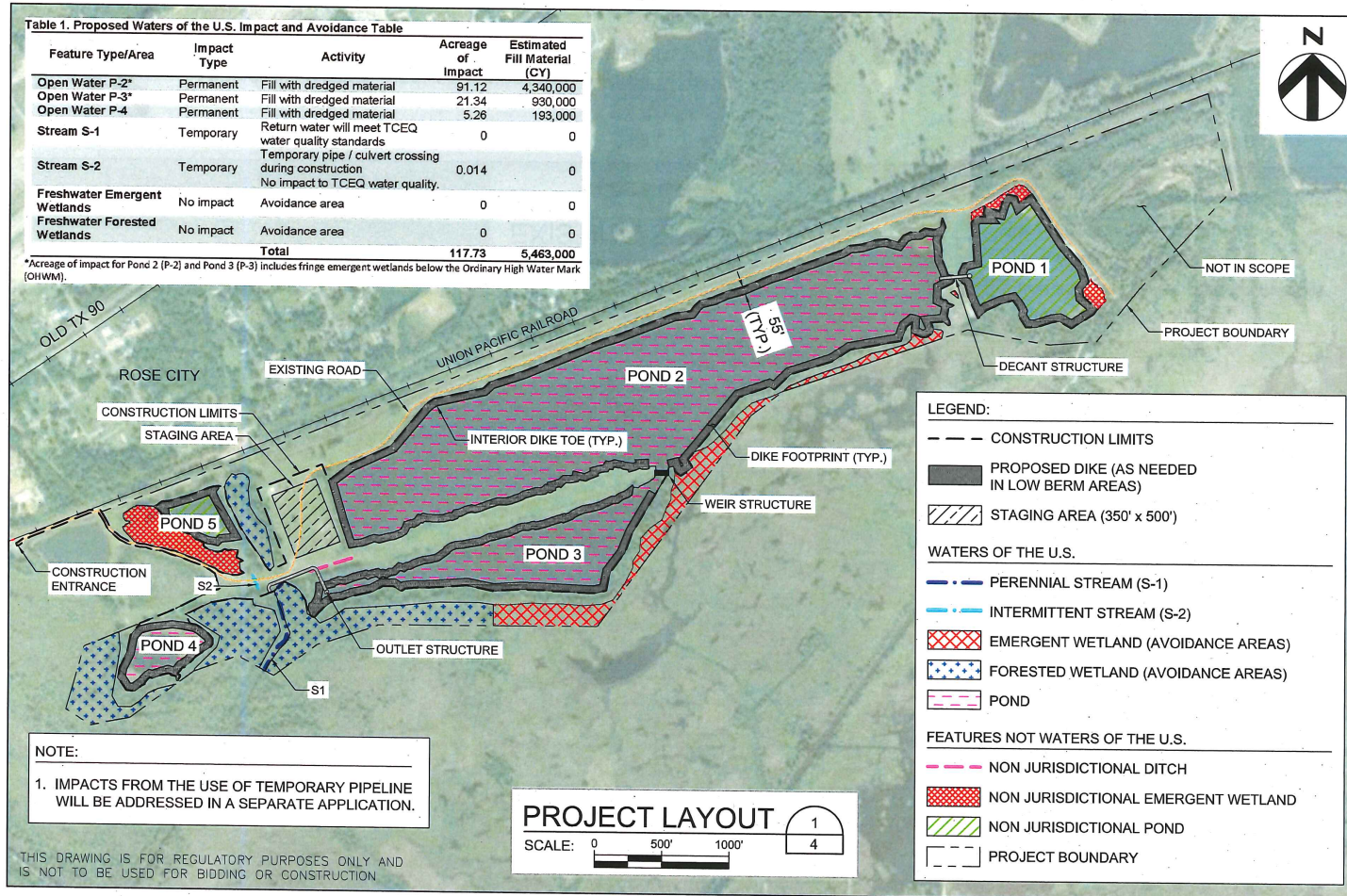
DATE: 03/08/2018

HDR PROJECT NO: 10069781

DATUM: NAVD'88

REV. DATE:

SHEET 2 OF 6



ACTIVITY: PROJECT LAYOUT

APPLICANT: SABINE NECHES NAVIGATION DISTRICT
 STEPHENSON TRACT DREDGE MATERIAL PLACEMENT AREA (DMPA)

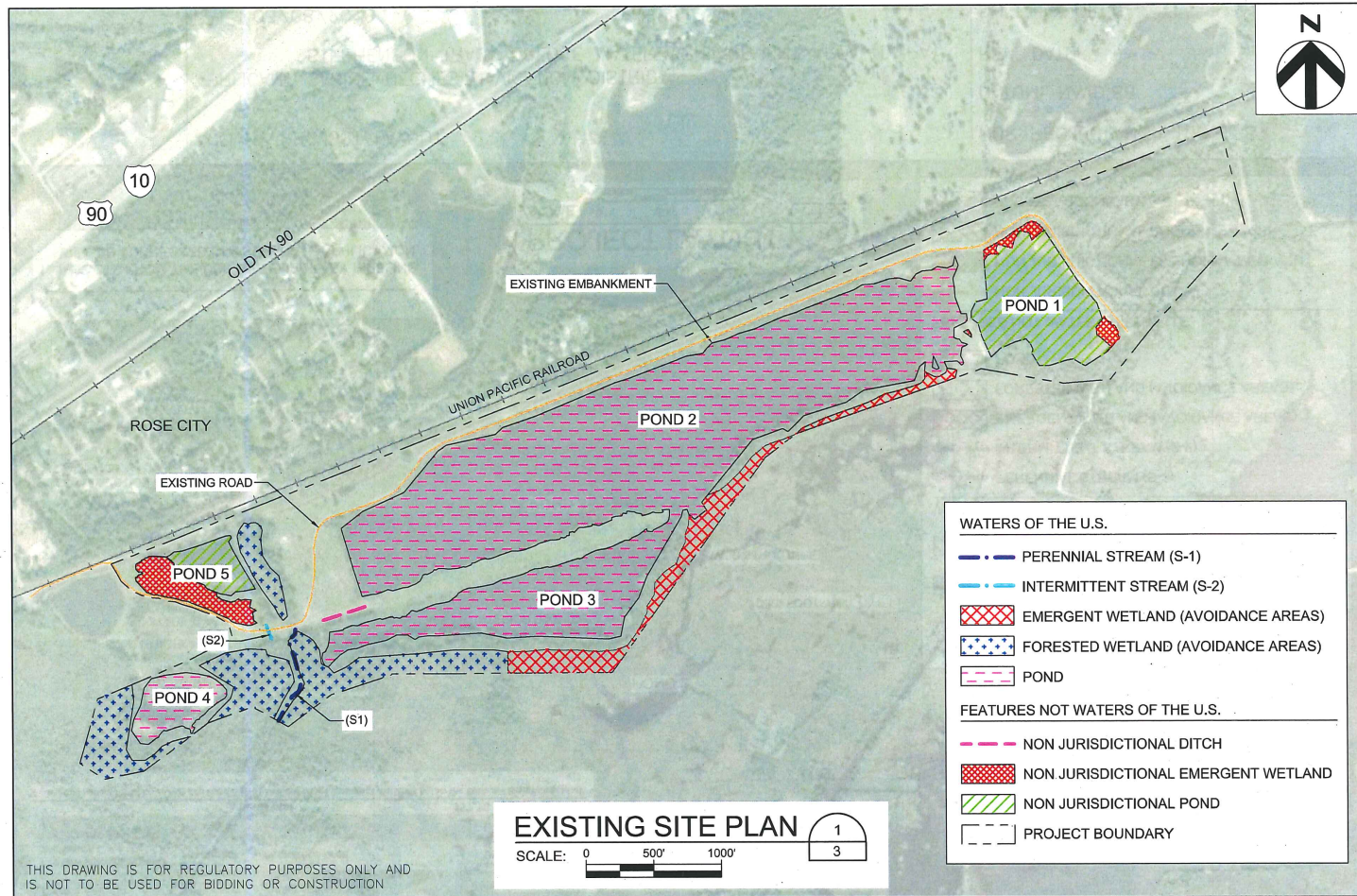
DATE: 03/08/2018

HDR PROJECT NO: 10069781

DATUM: NAVD'88

REV. DATE:

SHEET 4 OF 6



ACTIVITY: EXISTING SITE PLAN

APPLICANT: SABINE NECHES NAVIGATION DISTRICT
 STEPHENSON TRACT DREDGE MATERIAL PLACEMENT AREA (DMPA)

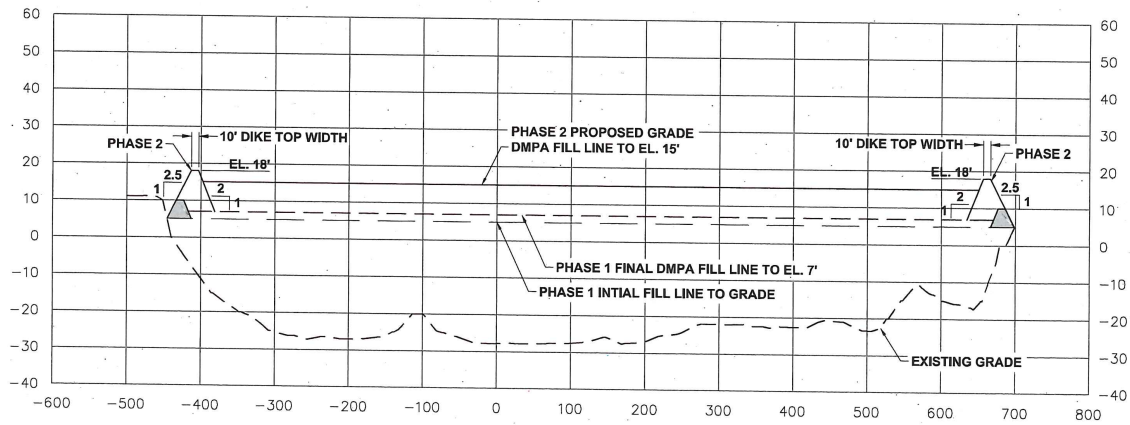
DATE: 03/08/2018

HDR PROJECT NO: 10069781

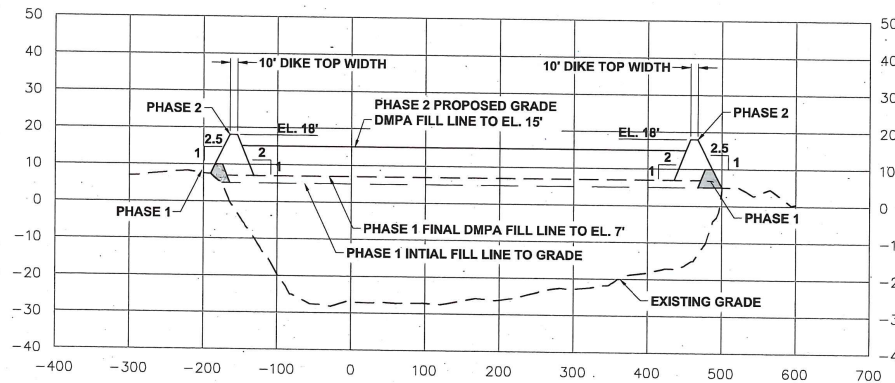
DATUM: NAVD'88

REV. DATE:

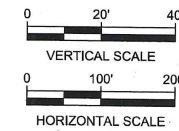
SHEET 3 OF 6



POND 2



POND 3

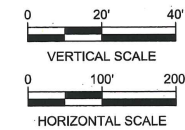
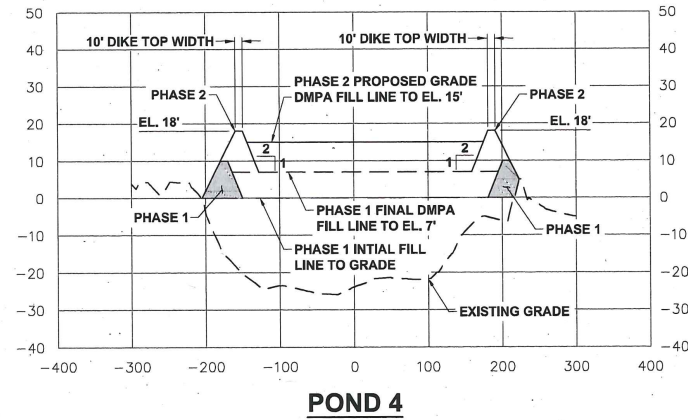


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ACTIVITY: POND CROSS SECTIONS
 APPLICANT: SABINE NECHES NAVIGATION DISTRICT
 STEPHENSON TRACT DREDGE MATERIAL PLACEMENT AREA (DMPA)
 DATE: 03/08/2018

HDR PROJECT NO: 10069781
 DATUM: NAVD'88
 REV. DATE:
 SHEET 5 OF 6



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ACTIVITY: POND CROSS SECTIONS

APPLICANT: SABINE NECHES NAVIGATION DISTRICT
STEPHENSON TRACT DREDGE MATERIAL PLACEMENT AREA (DMPA)

DATE: 03/08/2018

HDR PROJECT NO: 10069781

DATUM: NAVD'88

REV. DATE:

SHEET 6 OF 6



Table 1. Proposed Waters of the U.S. Impact and Avoidance Table

Feature Type/Area	Impact Type	Activity	Acreage of Impact	Estimated Fill Material (CY)
Open Water P-2*	Permanent	Fill with dredged material	91.12	4,340,000
Open Water P-3*	Permanent	Fill with dredged material	21.34	930,000
Open Water P-4	Permanent	Fill with dredged material	5.26	193,000
Stream S-1	Temporary	Return water will meet TCEQ water quality standards	0	0
Stream S-2	Temporary	Temporary pipe/culvert crossing during construction. No impact to TCEQ water quality.	0.014	0
Freshwater Emergent Wetlands	No impact	Avoidance area	0	0
Freshwater Forested Wetlands	No impact	Avoidance area	0	0
Total			117.73	5,463,000

*Acreage of impact for Pond 2 (P-2) and Pond 3 (P-3) includes fringe emergent wetlands below the Ordinary High Water Mark (OHWM).

Water Quality

The applicant agrees to comply with the Texas Commission on Environmental Quality’s (TCEQ) standard of 300 mg/l maximum Total Suspended Solids (TSS) for return water from dredged material. A TCEQ 401 Water Quality Questionnaire will be submitted to USACE and TCEQ under separate cover.

Coastal Zone Consistency

The proposed project is located within the Texas Coastal Management Program (CMP) boundary. A CMP form is included in **Attachment D**.

Threatened and Endangered Species

Based on review of the U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) report (**Appendix E**), one endangered species (least tern) and three threatened species (manatee, piping plover, and red knot) are listed to occur in the project area. The IPaC information indicated that the project location is outside of critical habitat for the manatee. The IPaC information indicated that impacts to the least tern, piping plover and red knot should only be considered if the action was a wind energy project; which, this project is not.