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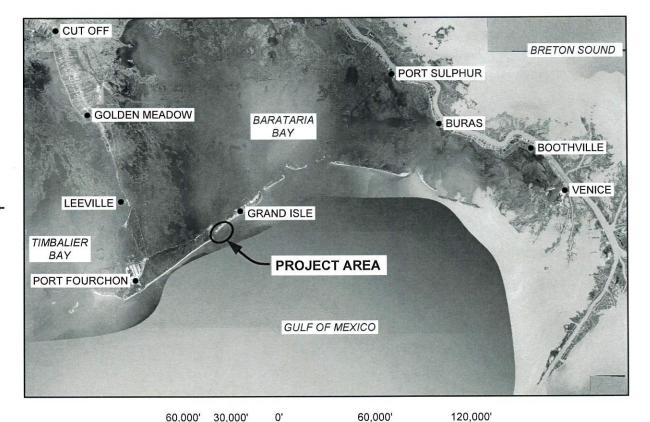
SHEET NO. DESCRIPTION

- TITLE SHEET
- **GENERAL NOTES**
- PROJECT LAYOUT
- **DESIGN SURVEY LAYOUT**
- DUNE AND BEACH PLAN VIEW
- BORROW AREA PLAN VIEW
- BASE BID DUNE AND BEACH FILL TYPICAL SECTIONS
- ALTERNATE BID DUNE AND BEACH FILL TYPICAL SECTIONS
- **BORROW AREA TYPICAL SECTION**
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- 12 **EMERGENCY VEHICLE CROSSOVER DETAILS**
- 13 PEDESTRIAN CROSSOVER DETAILS
- 14 WARNING SIGN DETAILS
- 15 CONSTRUCTION SURVEY LAYOUT
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 - 20 **BORROW AREA SECTIONS**
 - 21 **EQUIPMENT ACCESS CORRIDOR SECTIONS**

STATE OF LOUISIANA COASTAL PROTECTION AND RESTORATION AUTHORITY

GRAND ISLE AND VICINITY: WEST END BEACH NOURISHMENT PROJECT

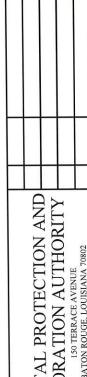
PROJECT NO. BA-0210 JEFFERSON PARISH





STATE OF LOUISIANA

INSET MAP



CINITY: OH OJECT	TITLE SHEET		COASTAL PROTECTION AND RESTORATION AUTHORITY
0210	DESIGNED BY: K. SADID, P.E.	P.E. NO. 42398	150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802
	APPROVED BY: R. SIMONEAUX, P.E.		







GRAND ISLE AND VICE WEST END BEACH NOURISHMENT PROJ DATE: AUG. 2020 SHEET 1 OF 21

LICENSURE CLASSIFICATION REQUIREMENTS HEAVY CONSTRUCTION OR DREDGING

GENERAL NOTES:

- THE CONTRACTOR SHALL NOT, AT ANY TIME, TREAD ON EXISTING VEGETATION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NAVIGATING WITHIN THE LIMITS OF THE PROJECT SITE. THE ENGINEER OR HIS REPRESENTATIVE SHALL MONITOR THE CONTRACTOR'S LOCATION DURING CONSTRUCTION.
- PLANS AND SPECIFICATIONS ARE COMPLEMENTARY; WHAT IS REQUIRED BY ONE IS BINDING AS IF REQUIRED BY ALL.
 CLARIFICATIONS AND INTERPRETATIONS OF, OR NOTIFICATIONS OF MINOR VARIATIONS AND DEVIATIONS IN THE CONTRACT
 DOCUMENTS, WILL BE ISSUED BY THE ENGINEER.
- 4. ANY DAMAGE TO EXISTING U.S. COAST GUARD NAVIGATION AIDS OR PRIVATE NAVIGATION AIDS SHALL BE REPAIRED BY THE CONTRACTOR TO U.S. COAST GUARD STANDARDS AT THE EXPENSE OF THE CONTRACTOR.
- 5. THE BEACH NOURISHMENT AREA AND BORROW AREA MAY BE REVISED BY THE ENGINEER THROUGHOUT THE WORK TO REFLECT CHANGES IN FIELD CONDITIONS.
- 6. THE CONTRACTOR SHALL PERFORM A MAGNETOMETER SURVEY OF THE EQUIPMENT ACCESS CORRIDORS, BORROW AREA, AND BEACH NOURISHMENT AREA PRIOR TO EXCAVATION. DRAWINGS SHOWING THE TRACK LINES, ANY MAGNETOMETER HITS, COORDINATES, AMPLITUDE, SIGNATURE TYPE, AND SIGNATURE WIDTH OF ALL MAGNETOMETER HITS SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO EXCAVATION.
- 7. PIPELINES AND UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL NOT EXCAVATE WITHIN 500' OF EXISTING PIPELINE NEAR THE BORROW AREA OR WITHIN 75' OF EXISTING PIPELINE AND UTILITY NEAR THE BEACH NOURISHMENT AREA AND THE EQUIPMENT ACCESS CORRIDOR.
- 8. THE CONTRACTOR IS RESPONSIBLE FOR CONTAINING ALL HYDRAULICALLY DREDGED MATERIAL WITHIN THE BOUNDARIES OF THE BEACH NOURISHMENT AREA.

NOTIFICATIONS:

- THE CONTRACTOR SHALL ADHERE TO THE MOST CURRENT PUBLICATIONS OF "RECOMMENDED BEST PRACTICES GUIDE FOR SAFE DREDGING NEAR UNDERWATER GAS & HAZARDOUS LIQUID PIPELINES", WWW.CDMCS.ORG, AND " WORKING SAFELY NEAR UNDERWATER PIPELINES", WWW.CAMOGROUP.ORG.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE FOLLOWING PIPELINE AND UTILITY OPERATORS AT LEAST FIVE (5) WORKING DAYS IN ADVANCE OF THE WORK. PIPELINES LOCATED WITHIN 150' OF THE WORK SHALL BE MARKED BY THE CONTRACTOR. THE CONTRACTOR SHALL MAINTAIN BUOYS DURING CONSTRUCTION AND HAVE ADEQUATE NAVIGATIONAL EQUIPMENT ON THE DREDGE TO AVOID DREDGING IN RESTRICTED AREAS. THE CONTRACTOR SHALL CONTACT LOUISIANA ONE CALL AT 1-800-272-3020 5 DAYS PRIOR TO ANY EXCAVATION AND/OR DREDGING TO LOCATE ALL PIPELINES OR UTILITIES.

CHEVRON (NORTH) CONTACT: TROY BROWN PHONE: (713) 289-2400 CHEVRON (MIDDLE)
CONTACT: GARRETT PARKER
PHONE: (832) 854-4596

ENTERGY CONTACT: ERIC VICKERS PHONE: (504) 915-0415

DESIGN NOTES:

1. ALL ELEVATIONS ARE GIVEN IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) U.S. SURVEY FEET. ALL HORIZONTAL COORDINATES ARE GIVEN IN THE NORTH AMERICAN DATUM OF 1983 (NAD 83, LOUISIANA STATE PLANE SOUTH ZONE U.S. FEET). ALL ELEVATIONS ARE BASED ON THE FOLLOWING MONUMENT DATA USING THE LATEST GEOID:

SURVEY MONUMENT	GEOID	ELEVATION	NORTHING	EASTING
N 221	12B	4.84'	258,567.60	3,693,447.85
Q388	12B	2.91'	266,522.31	3,704,034.66

- 2. THE BEACH NOURISHMENT AREA SURVEY DATA ARE BASED ON SURVEYS PERFORMED BY HYDROTERRA TECHNOLOGIES, LLC IN JUNE 2020 FOR CPRA. THE BORROW AREA AND THE EQUIPMENT ACCESS CORRIDOR SURVEY DATA ARE BASED ON SURVEYS PERFORMED FROM SEPTEMBER TO NOVEMBER 2019 BY THE USACE. BACKGROUND IMAGERY WAS TAKEN IN YEAR, 2018.
- 3. DATA FROM STATION USGS 073802516 BARATARIA PASS AT GRAND ISLE, LA WAS USED TO CALCULATE THE MHW AND MLW. ELEVATIONS ARE REFERENCED TO NAVD 88, US FEET, GEOID 12B. MHW = 1.78' AND MLW = 0.31' WITHIN PROJECT AREA.
- 4. GEOTECHNICAL SUBSURFACE INVESTIGATIONS WERE PERFORMED BY EUSTIS ENGINEERING IN APRIL 2019 AND BY APS IN JULY 2020. THE SOIL BORING AND VIBRACORES LOCATIONS ARE SHOWN THE PLANS. THE GEOTECHNICAL SUBSURFACE INVESTIGATION REPORT IS PROVIDED IN THE SPECIFICATION APPENDICES.

SUMMARY OF ESTIMATED QUANTITIES BASE BID

ITEM No.	DESCRIPTION	UNIT	ESTIMATED QUANTITY ¹
1	MOBILIZATION AND DEMOBILIZATION (TS-100)	LS	1
2	CONSTRUCTION SURVEYS: STA. 10+82 - STA. 65+75 (TS-200)	LS	1
3	HYDRAULIC DREDGING AND BEACH NOURISHMENT: STA. 10+82 - STA. 65+75 (TS-401) ²	CY	458,000
4	SAND FENCING: STA. 10+82 - STA. 65+75 (TS-950)	LF	5,800
5	PEDESTRIAN AND VEHICULAR CROSSING: MARY STREET, OLIVER LANE, AND JACKSON LANE (TS-850)	LS	1

ALTERNATE 1 BID

ITEM No.	DESCRIPTION	UNIT	ESTIMATED QUANTITY ¹
6	CONSTRUCTION SURVEYS: STA. 0+00 - STA. 10+82 (TS-200)	LS	1
7	HYDRAULIC DREDGING AND BEACH NOURISHMENT: STA. 0+00 - STA. 10+82 (TS-401) ²	CY	109,000
8	SAND FENCING: STA. 0+00 - STA. 10+82 (TS-950)	LF	1,200

ALTERNATE 2 BID

ITEM No.	DESCRIPTION	UNIT	ESTIMATED QUANTITY ¹
9	CONSTRUCTION SURVEYS: STA. 65+75 - STA. 80+75 (TS-200)	LS	1
10	HYDRAULIC DREDGING AND BEACH NOURISHMENT: STA. 65+75 - STA. 80+75 (TS-401) ²	CY	37,000
11	SAND FENCING: STA. 65+75 - STA. 80+75 (TS-950)	LF	1,600
12	PEDESTRIAN AND VEHICULAR CROSSING: BOUDREAUX LANE (TS-850)	LS	1

- THE QUANTITIES SHOWN WERE CALCULATED BASED ON THE SPECIFIED TIME PERIOD. THE OWNER RESERVES THE RIGHT TO ADJUST QUANTITIES 25% HIGHER OR LOWER WITHOUT ADJUSTMENT OF THE UNIT PRICE.
- 2. QUANTITY IS BASED ON THE BORROW AREA CUT VOLUMES. PAYMENT QUANTITY WILL BE BASED ON PROGRESS SURVEYS OF THE BORROW AREA.

UNIT ABBREVIATIONS:

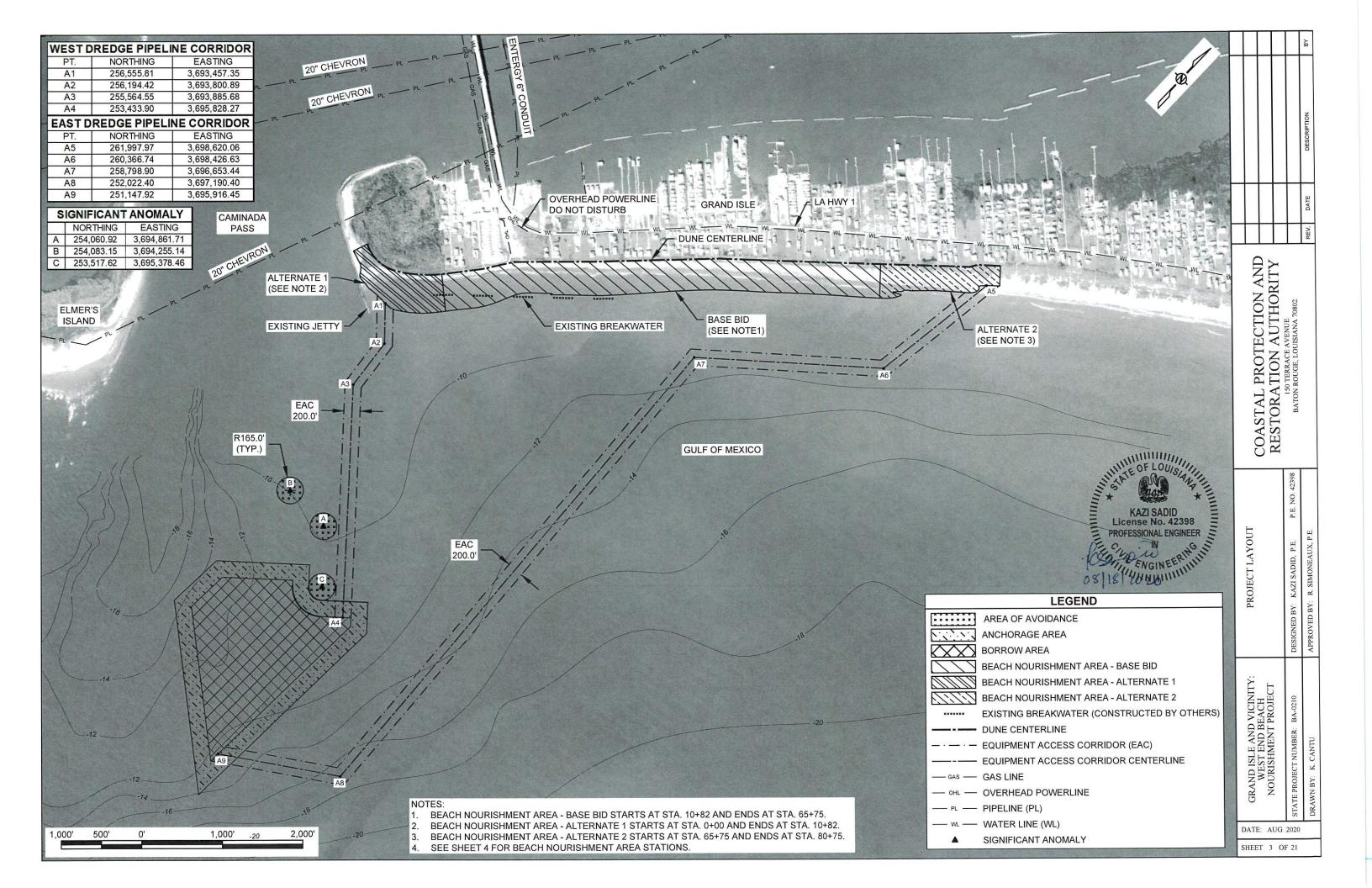
CY CUBIC YARD
EL ELEVATION
FT FOOT
LF LINEAR FOOT
LS LUMP SUM
NTS NOT TO SCALE
SF SQUARE FOOT

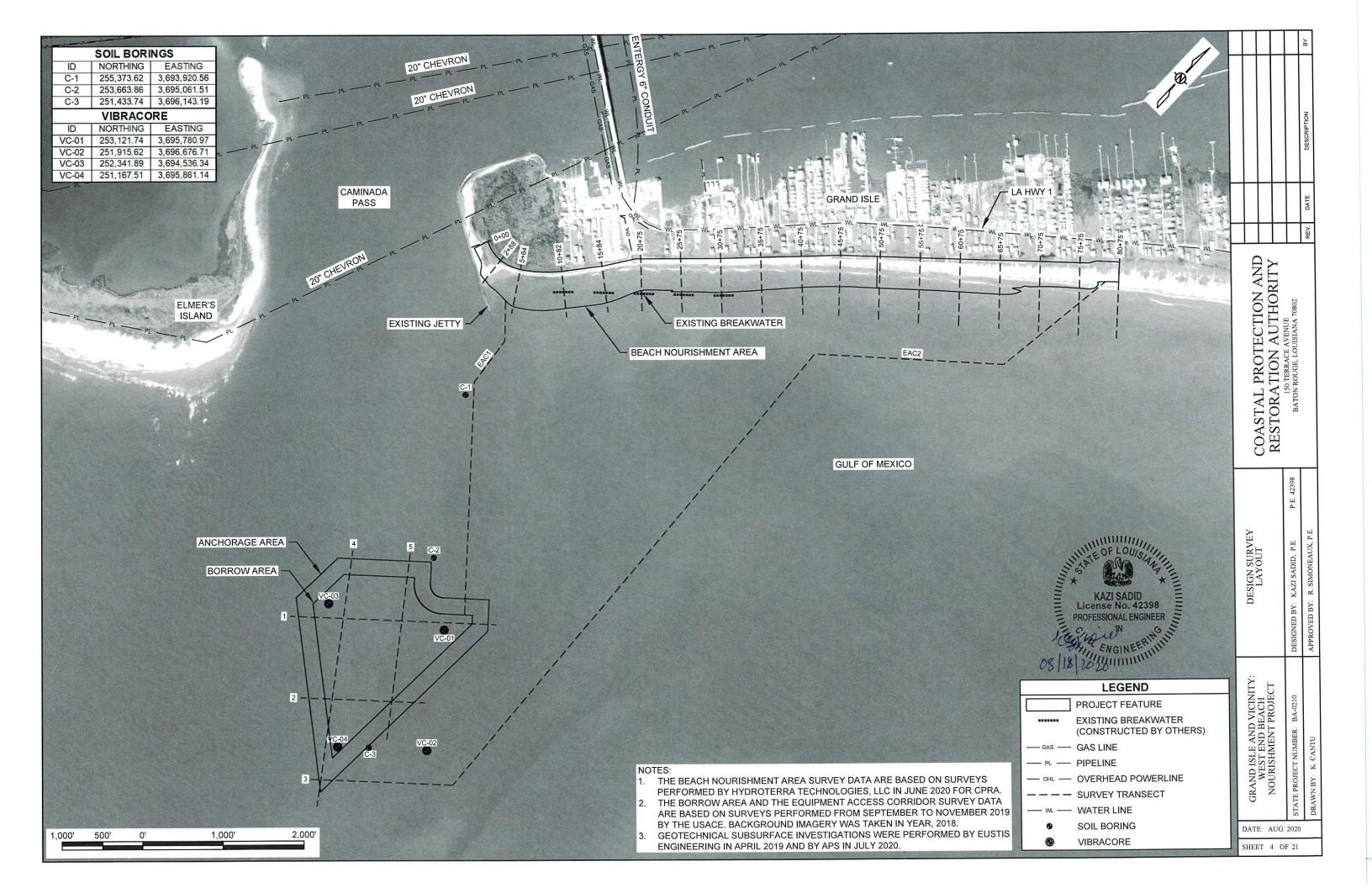
GENERAL NOTES COASTAL PROTECTION AND		RESTORATION AUTHORITY	AZI SADID, P.E. P.E. NO. 42398 BATON ROUGE, LOUISIANA 70802	REV. DATE DESCRIPTION BY	
	COASTAL	RESTORAL		A DDP OVED BY: R SIMONEAUX P.E.	WILLIAM TO THE WILLIA
GRAND ISLE AND VICINITY:	WEST END BEACH	NOUKISHMENI PROJECT	STATE PROJECT NUMBER: BA-0210	i autorio de la companya de la compa	DRAWNBY K CANIO

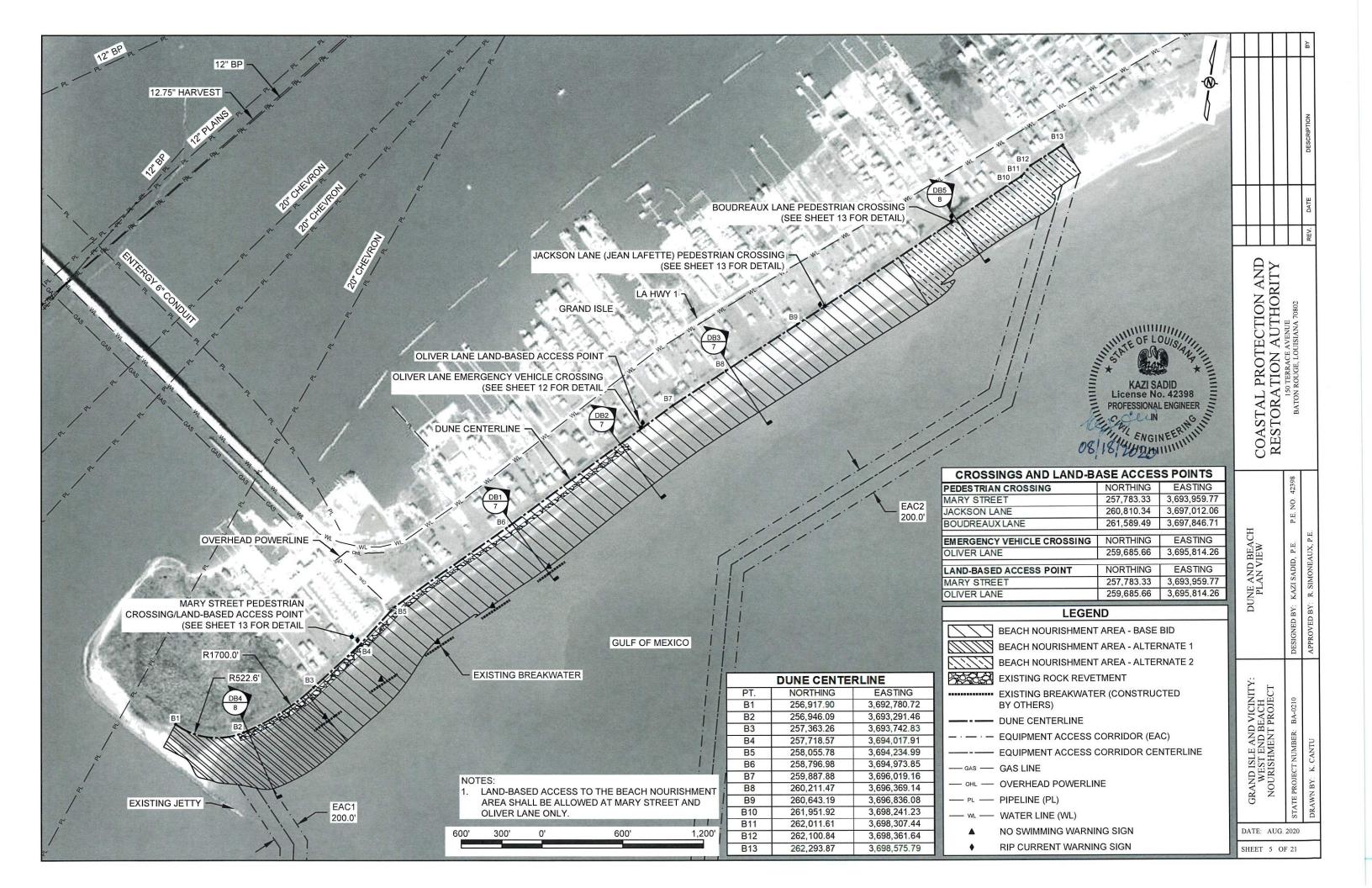
KAZI SADID
License No. 42398
PROFESSIONAL ENGINEER
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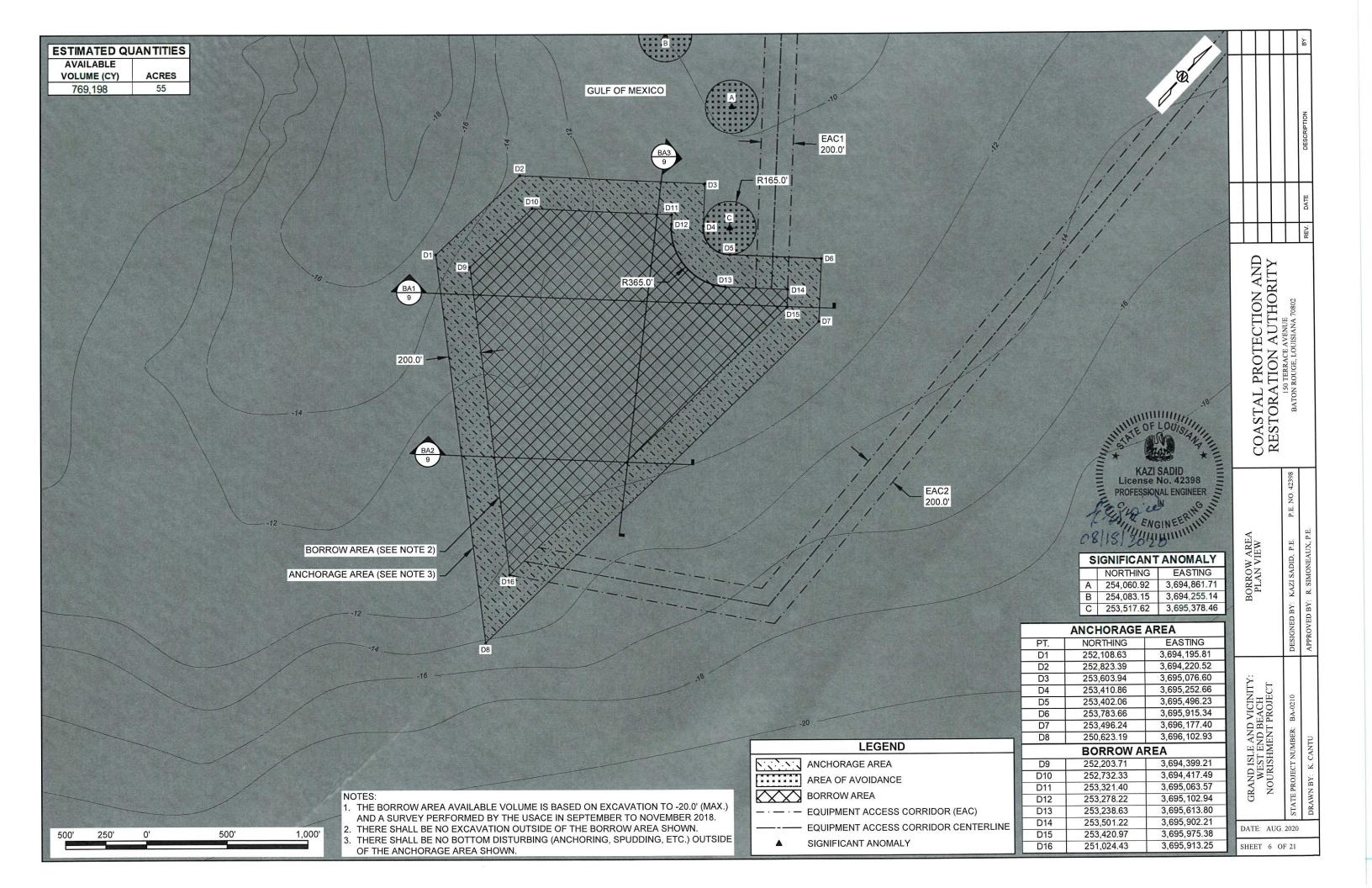
DATE: AUG. 2020

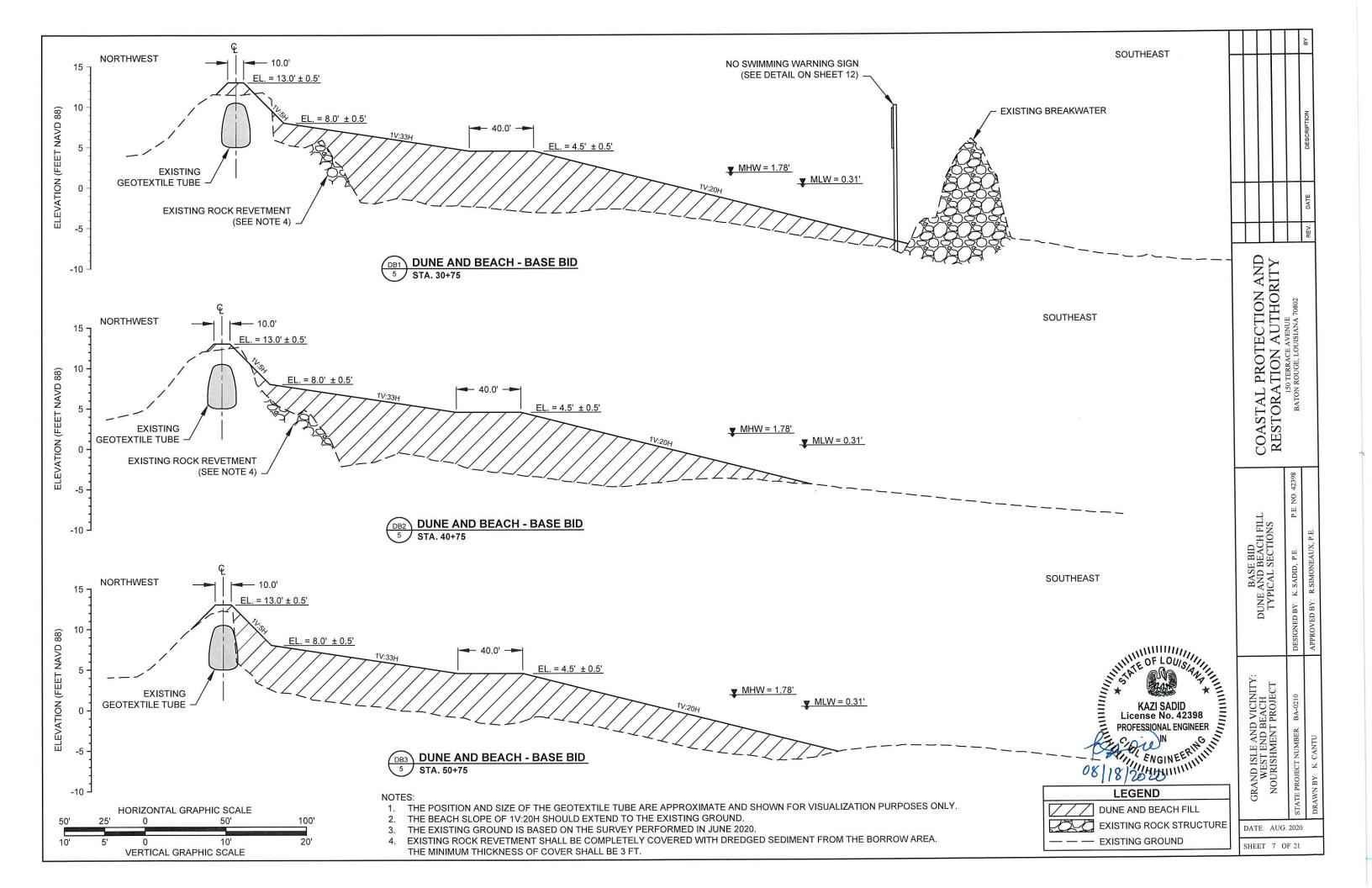
SHEET 2 OF 21

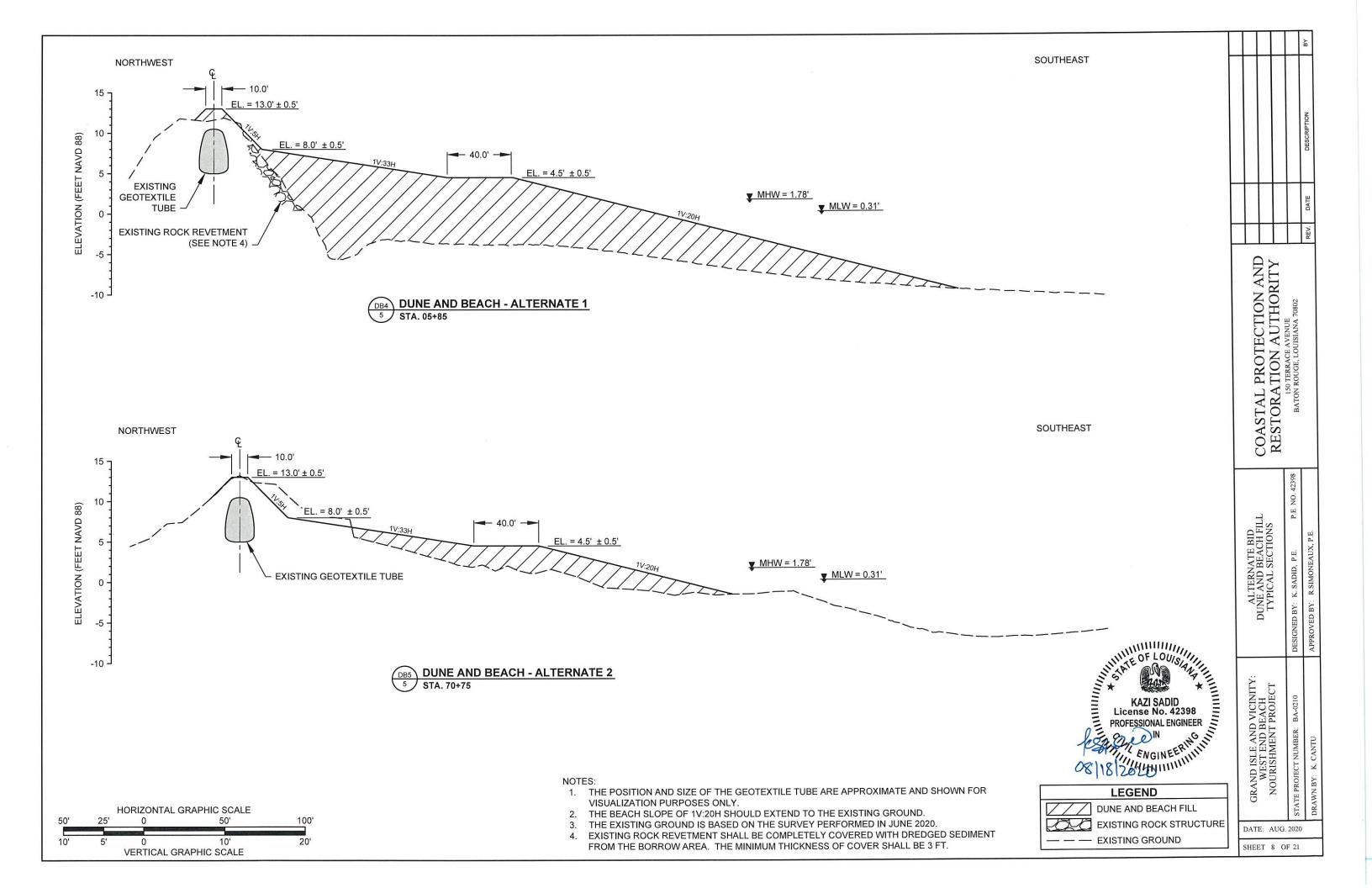


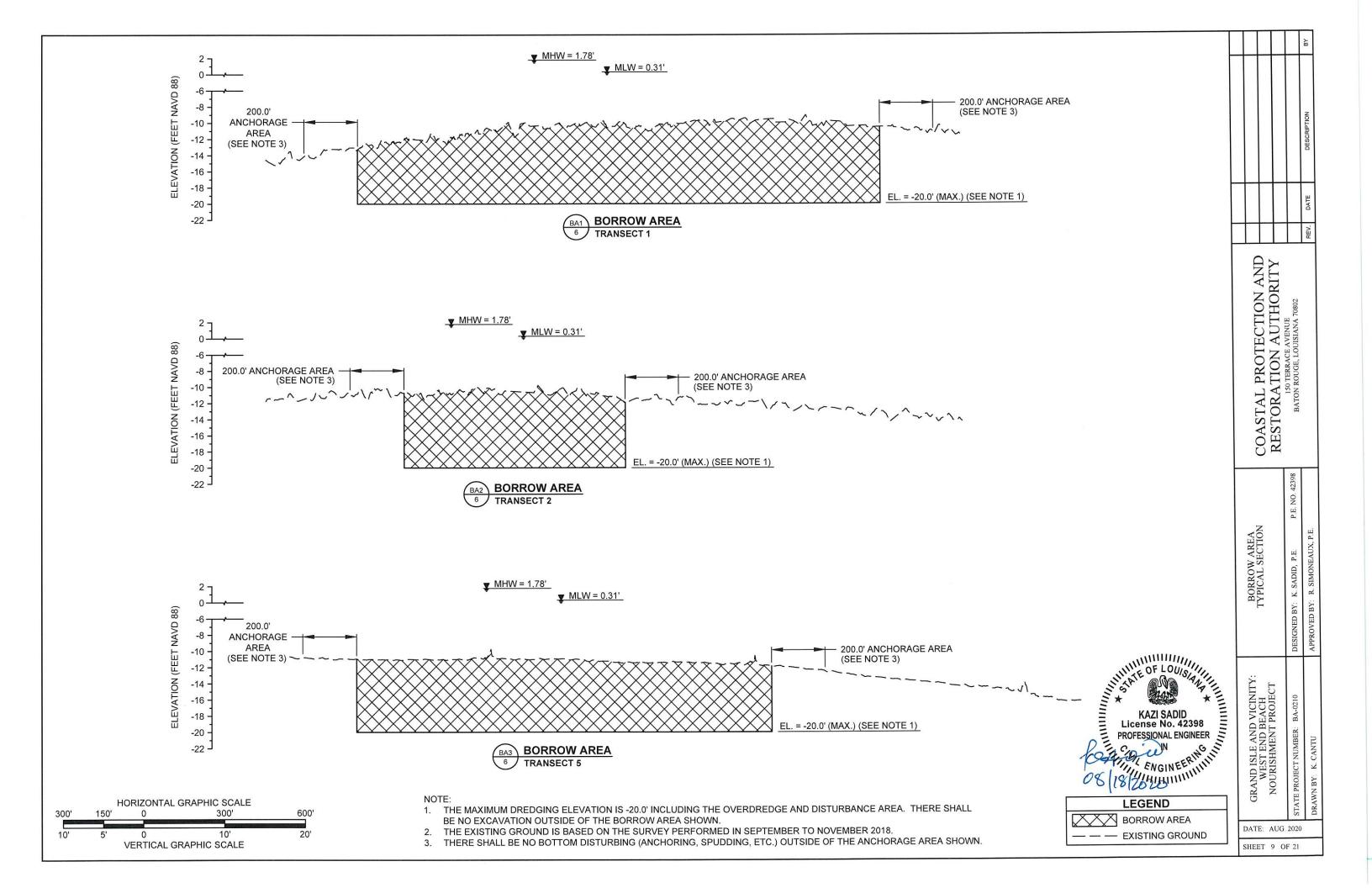


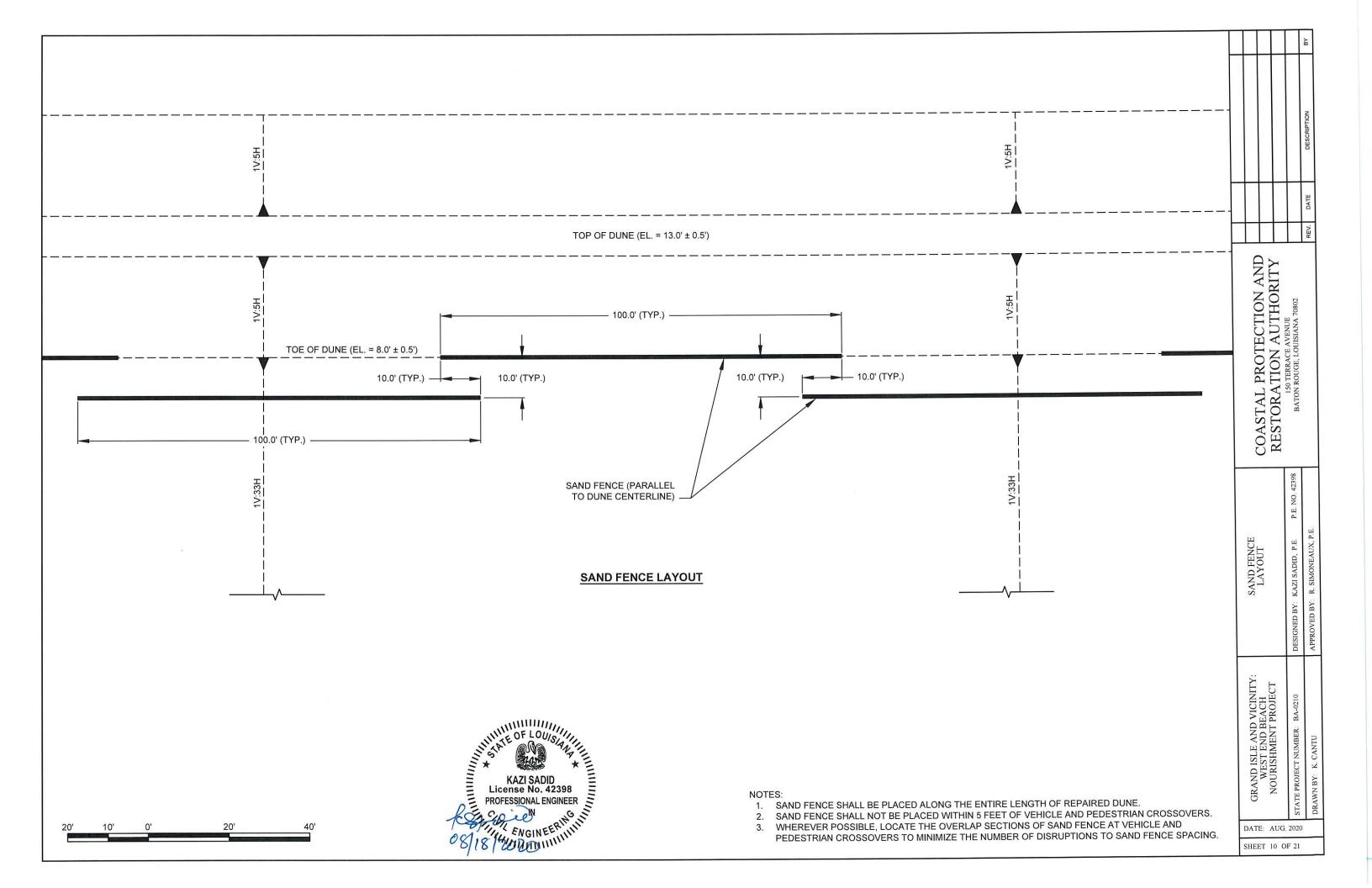


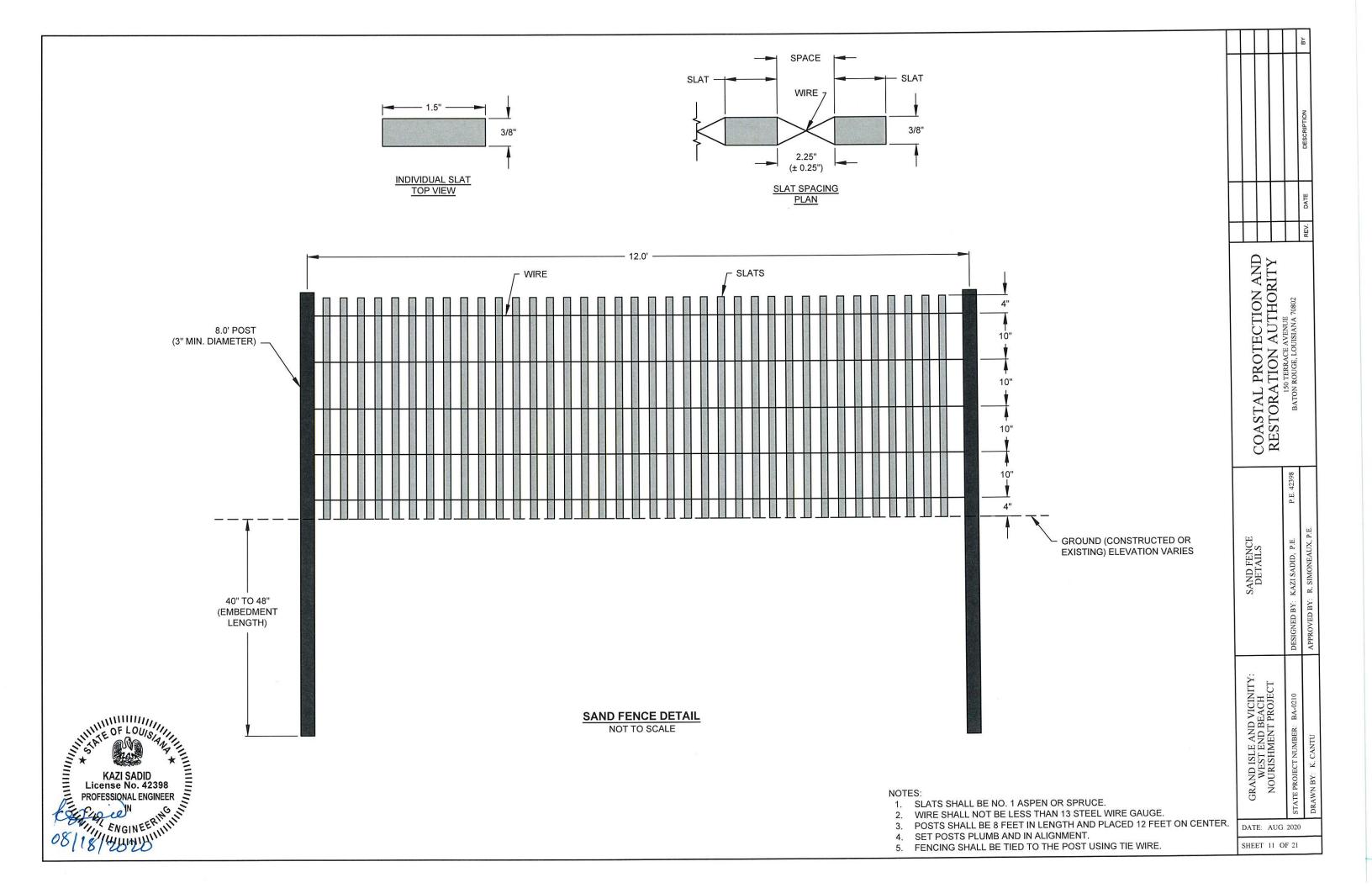


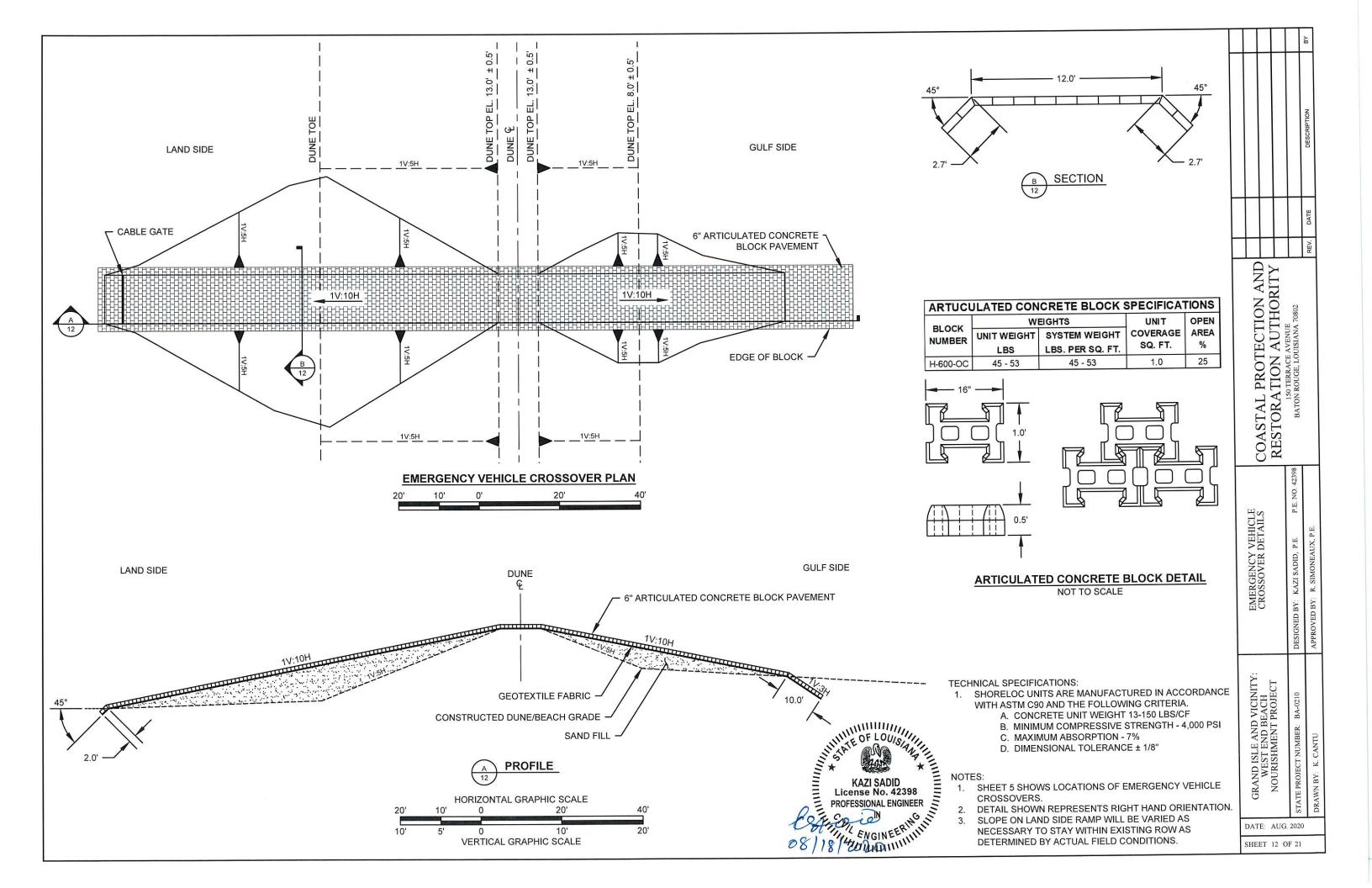


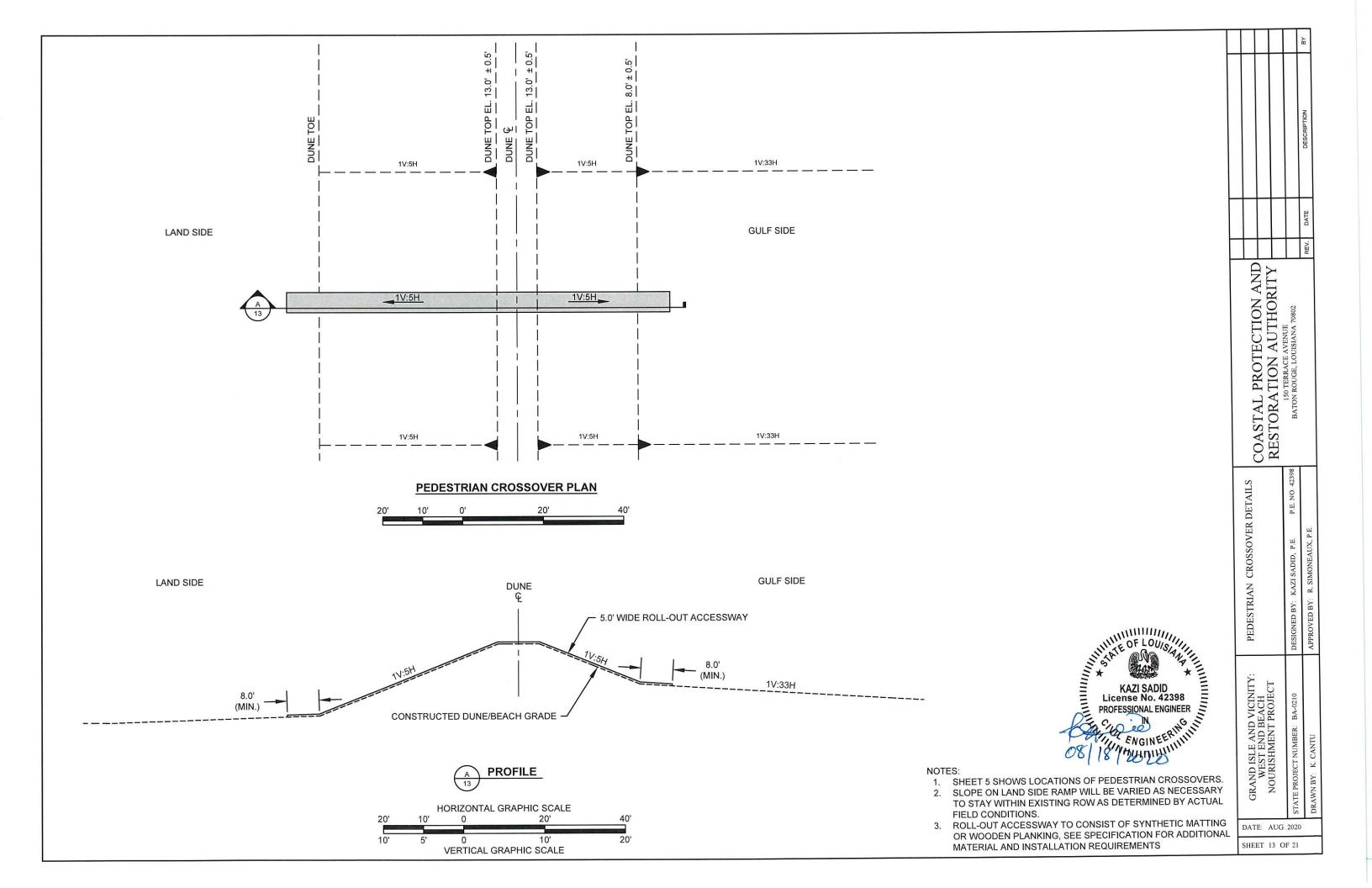




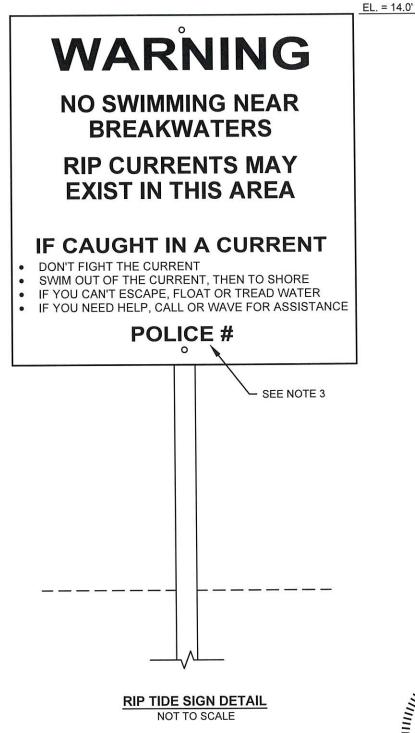






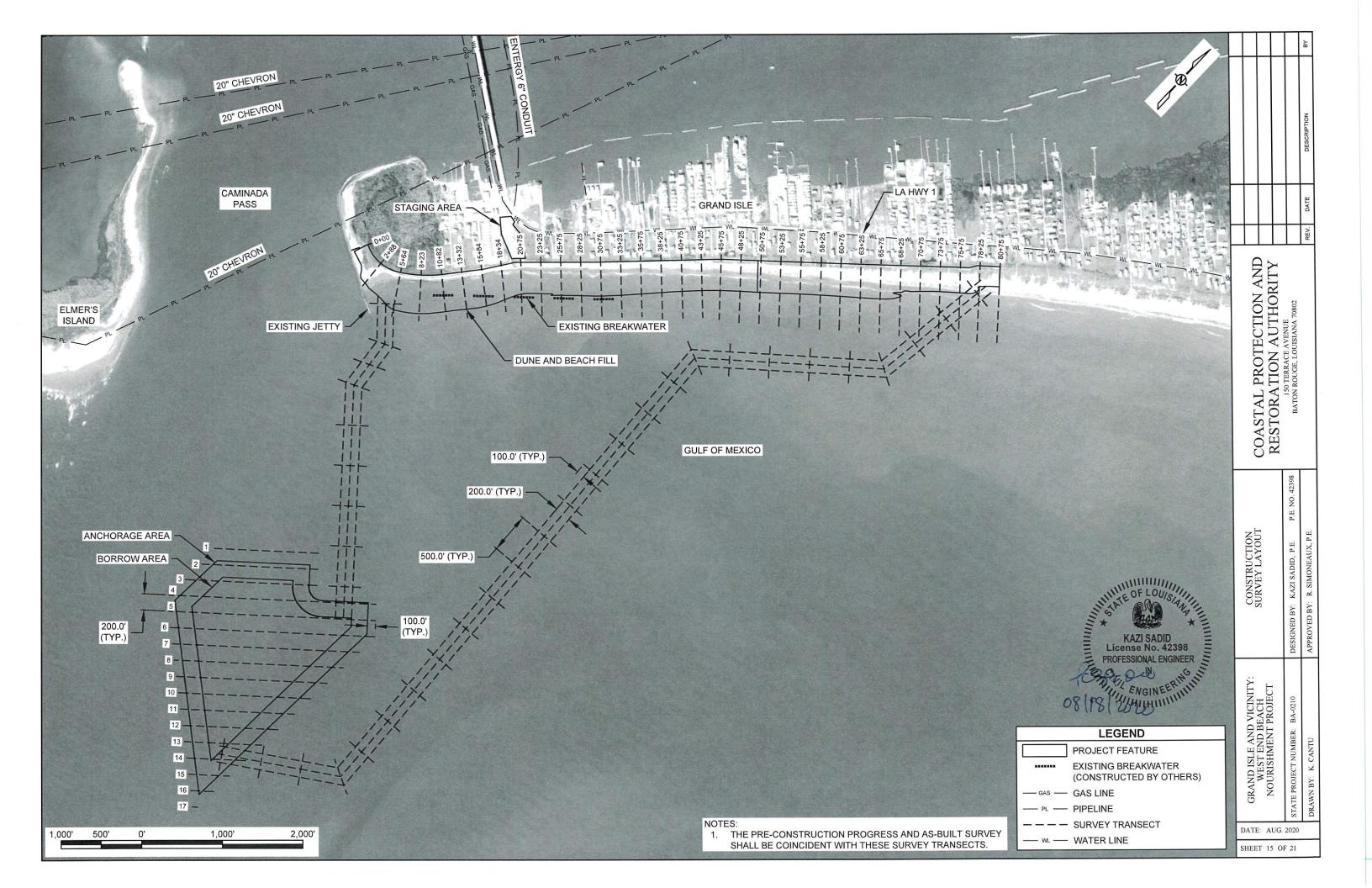


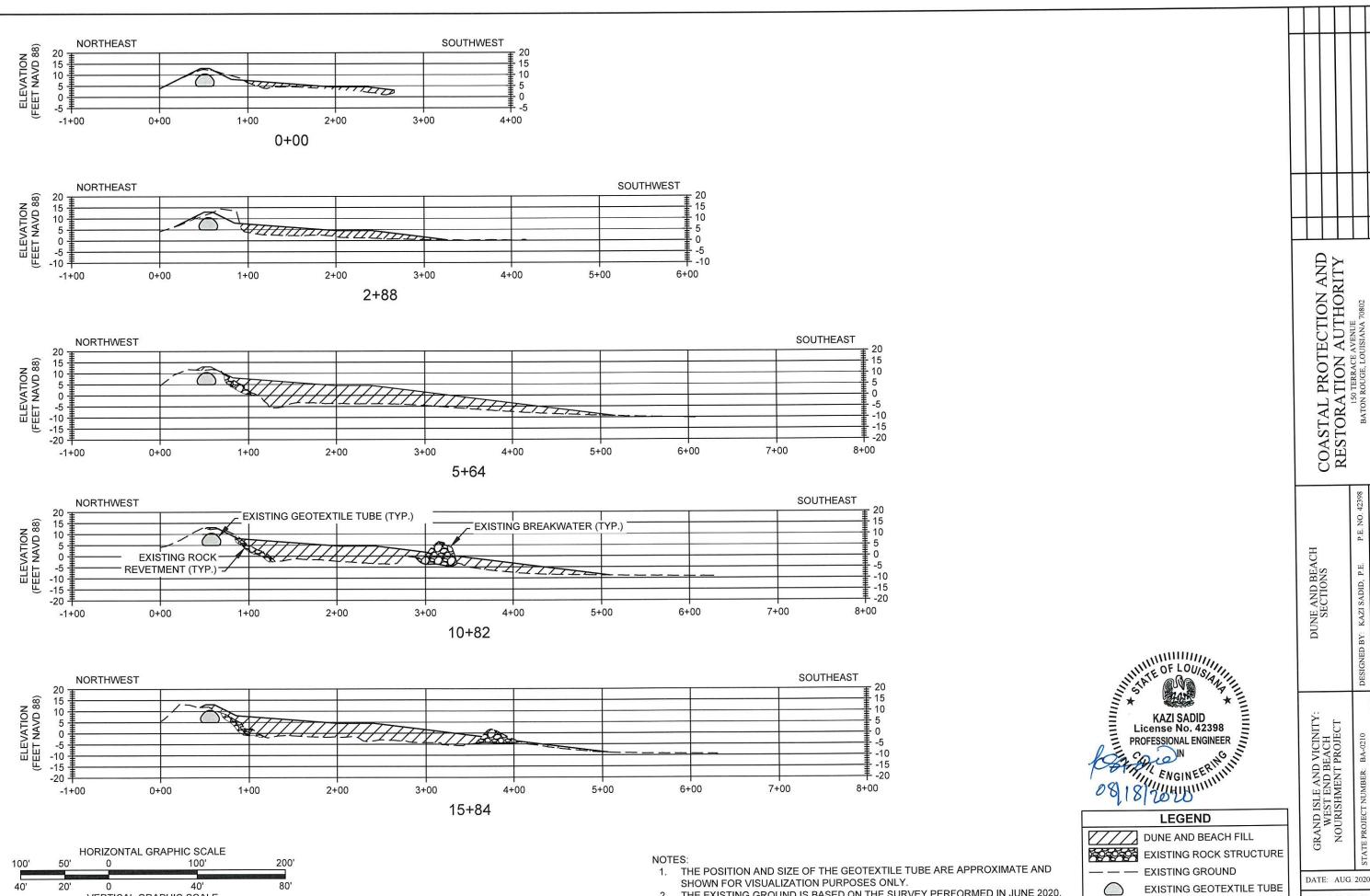




- 1. WARNING SIGNS SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH SECTIONS 729, 812 AND 1014 OF THE LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, AS PUBLISHED BY THE LADOTD, 2016 EDITION. 2. A SHOP DRAWING SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION OF THE MARKERS.
- 3. EMERGENCY CALLING INFORMATION TO THE POLICE OR LOCAL AUTHORITY WILL BE PROVIDED DURING CONSTRUCTION.

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802 WARNING SIGN DETAILS GRAND ISLE AND VICINITY: WEST END BEACH NOURISHMENT PROJECT DATE: AUG. 2020 SHEET 14 OF 21





VERTICAL GRAPHIC SCALE

2. THE EXISTING GROUND IS BASED ON THE SURVEY PERFORMED IN JUNE 2020.

DATE: AUG. 2020 SHEET 16 OF 21

DESIGNED BY: KAZI SADID,

