TYPICAL BOLIVAR & WEST GALVESTON BEACH & DUNE SECTION

SCALING

NOTES:
1. DUNE FIELD VARIES 150' TO 200'
2. BEACH WIDTH VARIES 200' TO 250'

EXISTING GROUND

OVERALL DUNE WIDTH

TO ELEV. NAV/US
REH
100

ELEV. NAV/US
100

GULF OF MEXICO

PLATE 1
TYPICAL BOLIVAR LEVEE SECTION

EXISTING GROUND

PROPOSED ROW

30'

5' REMOVAL OF EXISTING SOIL REPLACE WITH COMPACTED FILL

TYPICAL BOLIVAR LEVEE SECTION

SCALE: NTS 1:50,000

PROTECTED SIDE

LIMITS OF TURFING

CLEARING AND GRUBBING

ELEV. 14.0'

VARIES

COMPAKTED FILL

GRIDED TERRA

STONE PROTECTION

PROPOSED ROW

30'

1.0'

2.5'

ELEV. 14.0'

COMPACTED FILL

GEOTEXTILE

5' GEOTEXTILE

COASTAL TEXAS PROTECTION AND RESTORATION STUDY

U.S. ARMY ENGINEER DISTRICT, GALVESTON, TEXAS

RESTORATION STUDY

TYPICAL BOLIVAR LEVEE SECTION

PLATE 2

DATED: FEBRUARY 2020

ENGINEERING APPENDIX

GENERAL 3000

STONE PROTECTION
PROPOSED NEW ANCHORAGE AREA A
(1.2 SQ. MILES)

PROPOSED NEW ANCHORAGE AREA D
(1.2 SQ. MILES)

SHALLOW ANCHORAGE AREA B

CENTRAL REFUGEE CHANNEL

INNER BAR CHANNEL

GALVESTON ENTRANCE CHANNEL

SCALE IN FEET

PLAN

COASTAL TEXAS

PLATE 4

PLAN ENTRANCE CHANNEL
NOTES:
1. EXISTING ENTRANCE CHANNEL WILL BECOME A ONE-WAY OUTBOUND CHANNEL WITH A SECTOR GATE OPENING OF 650'.

ENGINEERING APPENDIX

SECTION A-A = AUTH. CHANNEL STA. 15+000

NOTES:
1. TOP ELEV. OF SCOUR PAD AT 1' BELOW A 1' OF ALLOWABLE OVERDEPTH ELEV. OF -62

SECTION B-B

EXISTING CENTERLINE
NEW OUTBOUND CHANNEL

SECTION B-B

NEW INBOUND CHANNEL
CENTERLINE

NOTES:
1. TOP ELEV. OF SCOUR PAD AT 1' BELOW A 1' OF ALLOWABLE OVERDEPTH ELEV. OF -62

SECTION B-B

NEW INBOUND CHANNEL
CENTERLINE
NEW OUTBOUND CHANNEL