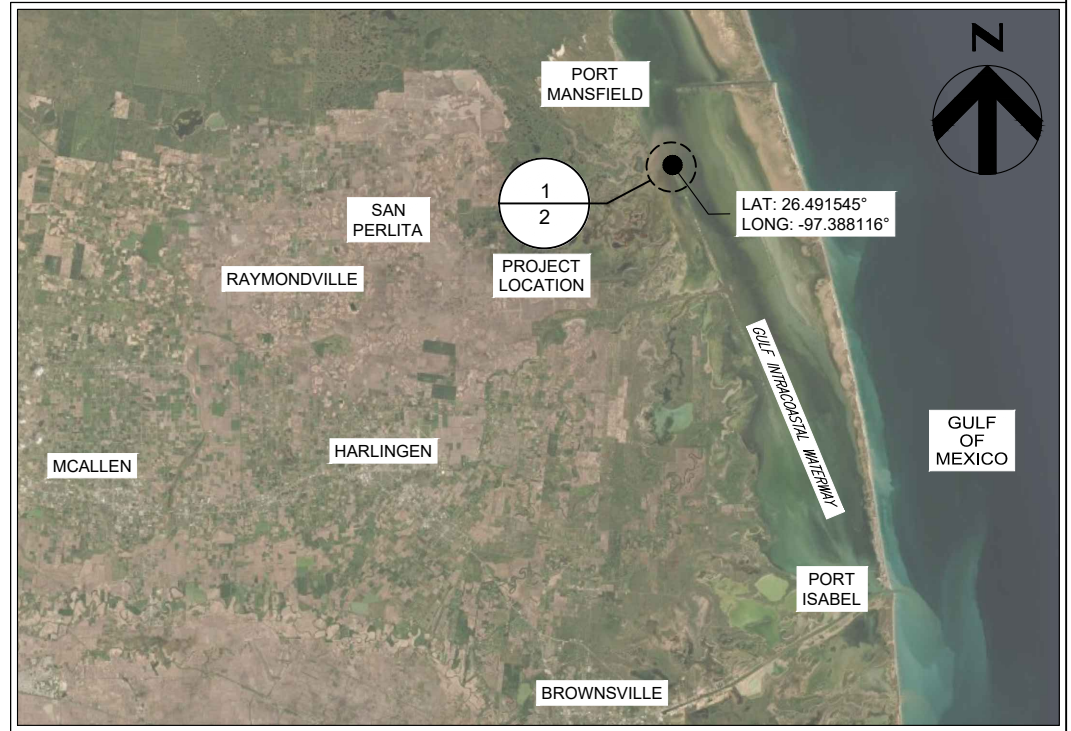
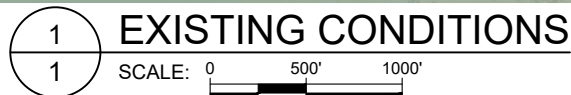
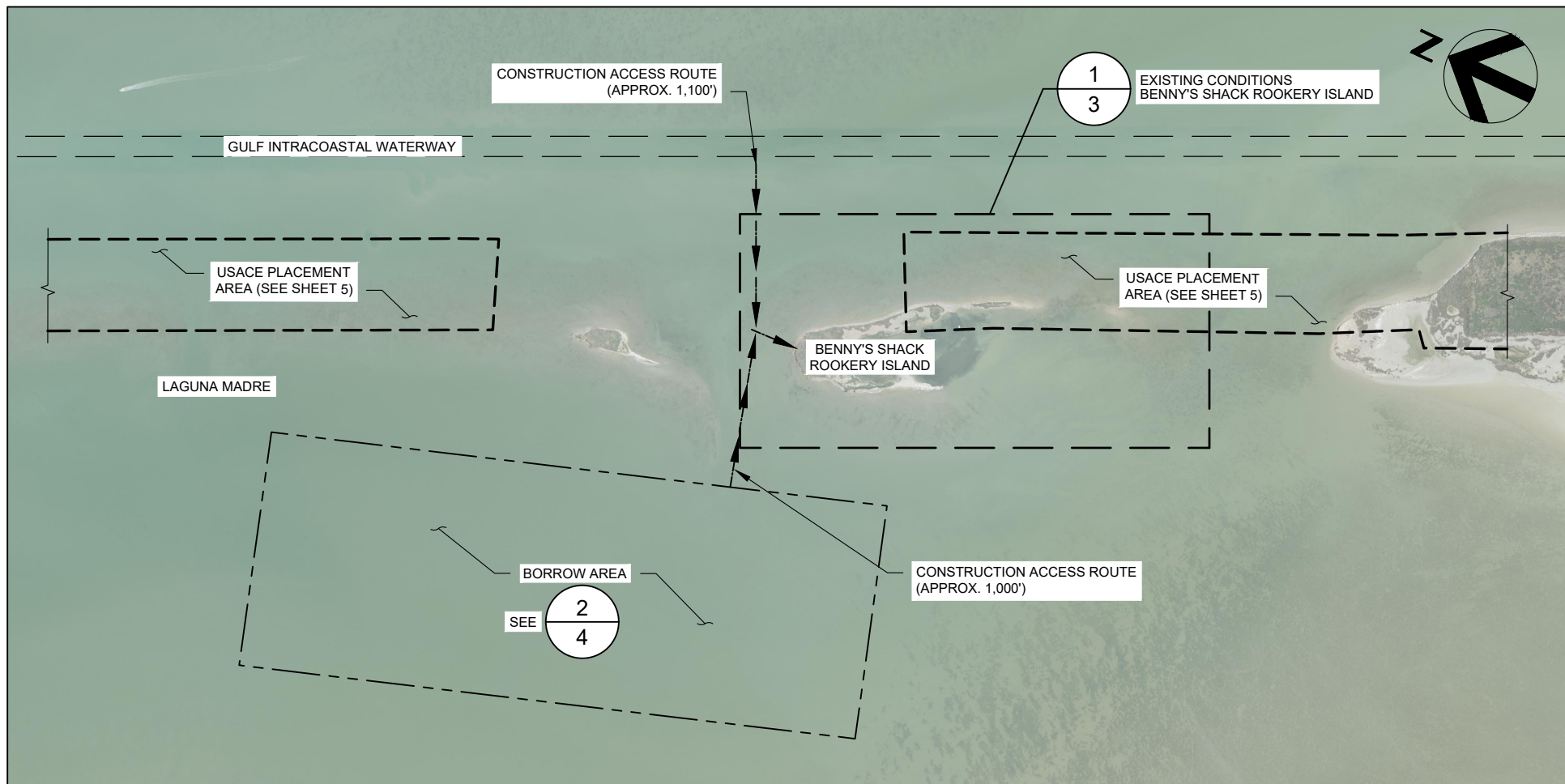


VICINITY MAP



LOCATION MAP



NOTES:

1. HABITAT DELINEATION NOT SHOWN ON THIS SHEET FOR CLARITY. REFER TO SHEET 3 AND SHEET 4 FOR HABITAT DELINEATION RESULTS IN PROJECT AREA.
2. THE BREAKWATER WILL BE LOCATED APPROXIMATELY 930' WEST OF THE WESTERN SIDE (TOP OF SLOPE) OF THE GIWW.

LEGEND:

- > CONSTRUCTION ACCESS ROUTE
- BORROW AREA APPROXIMATE LIMITS
- - - - USACE PLACEMENT AREA

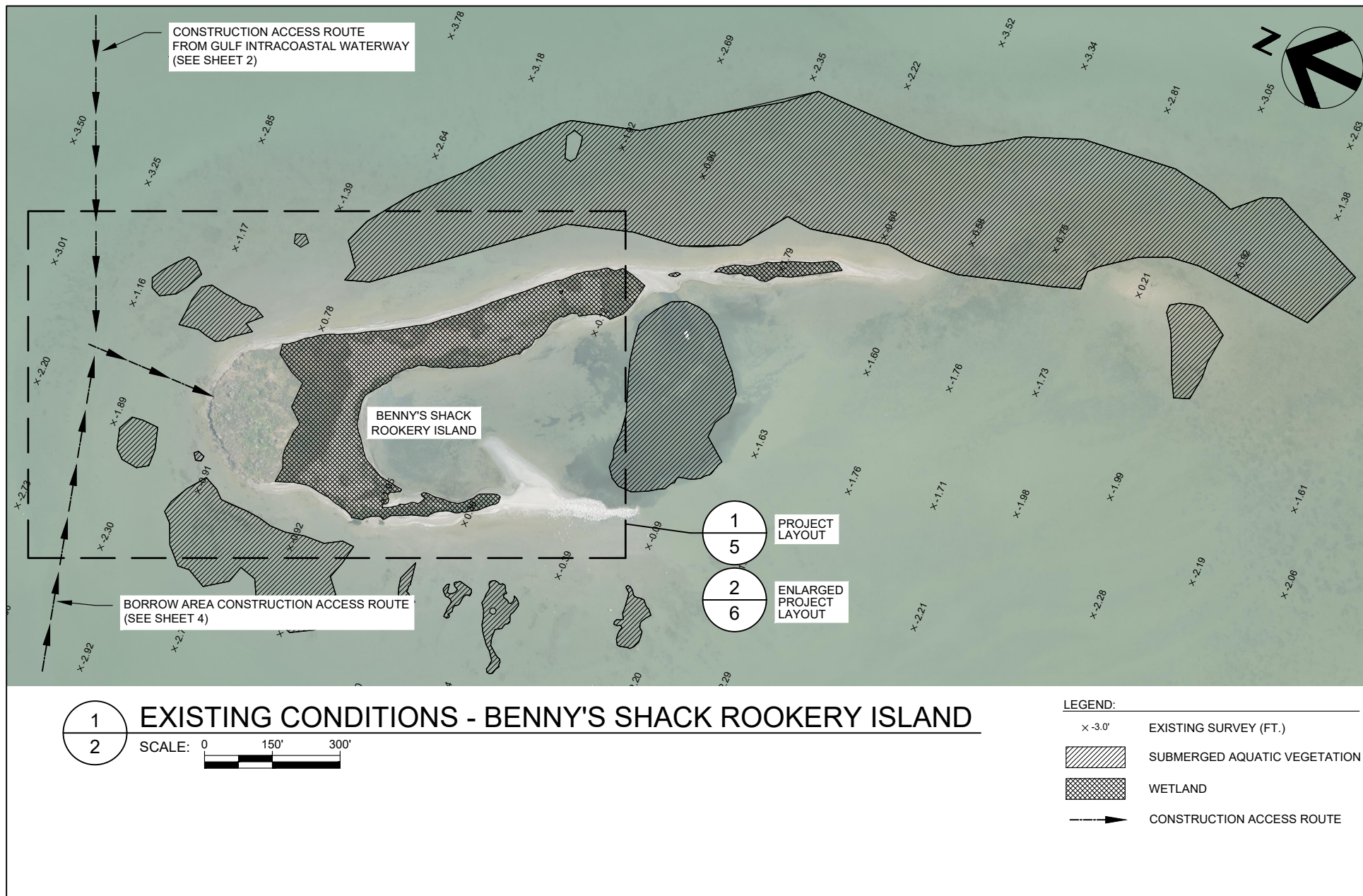
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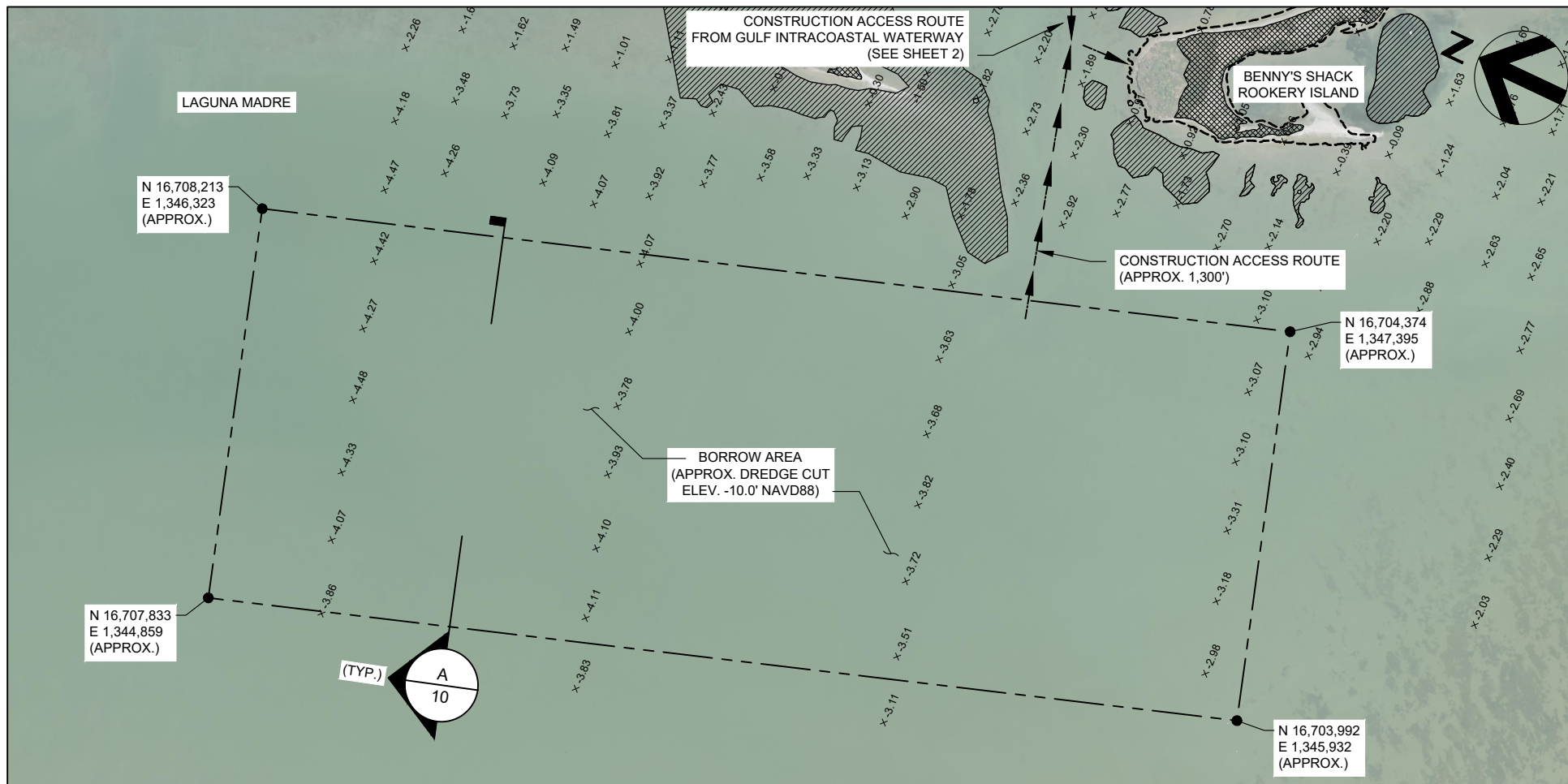
PERMIT APPLICATION NO.: _____

APPLICANT NAME: _____

SHEET _____ OF _____

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BORROW AREA PLAN
SCALE: 0 300' 600'

LEGEND:

- x -3.0' EXISTING SURVEY (FT.)
- SUBMERGED AQUATIC VEGETATION
- WETLAND
- CONSTRUCTION ACCESS ROUTE
- BORROW AREA APPROXIMATE LIMITS
- MHW

NOTES:

1. PROPOSED BORROW AREA = APPROXIMATELY 138.39 ACRES.
2. COORDINATES SHOWN ARE IN U.S. FEET AND ARE REFERENCED TO STATE PLANE, TEXAS SOUTH ZONE, NAD '83.

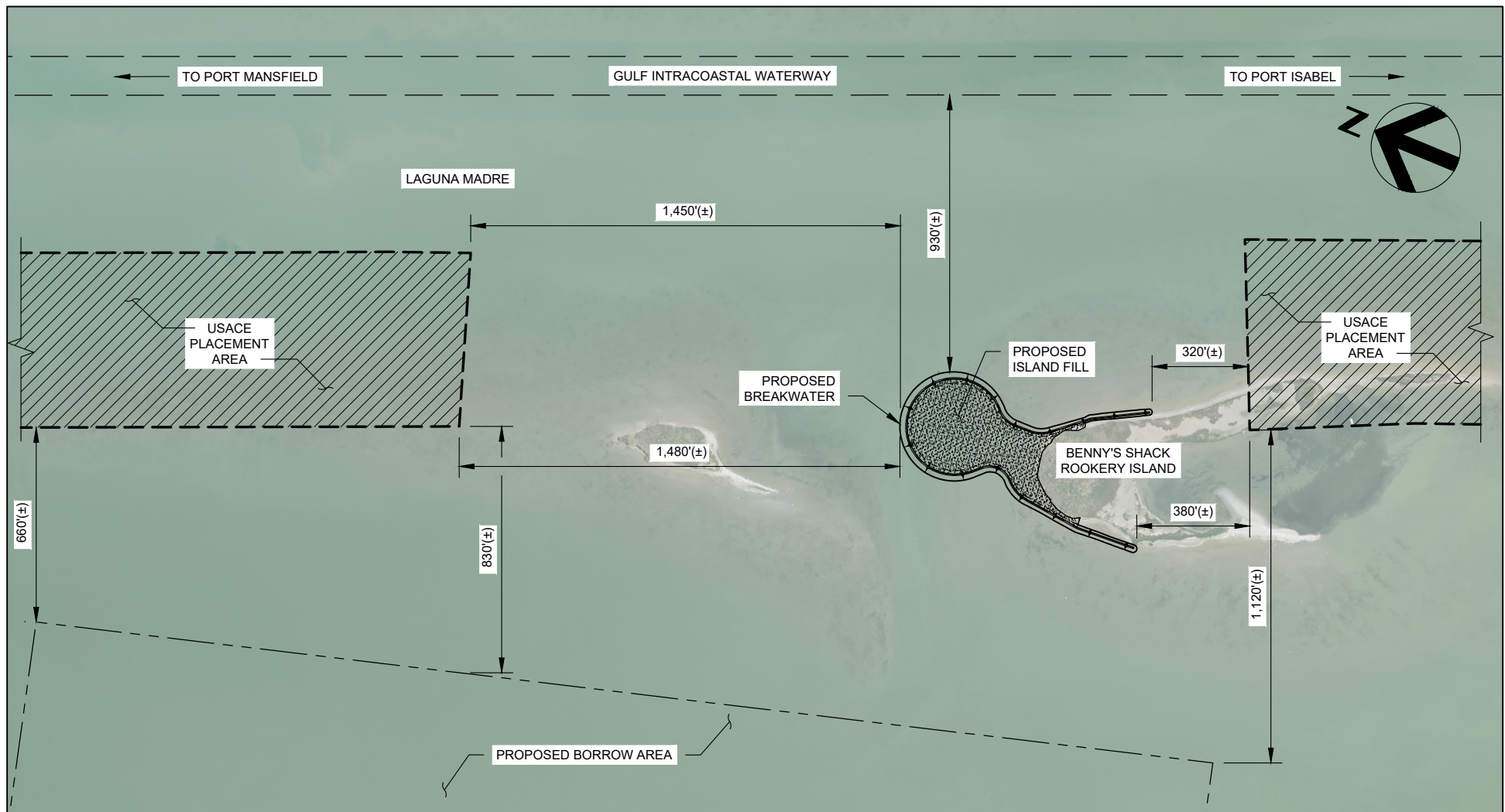
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SHEET _____ OF _____








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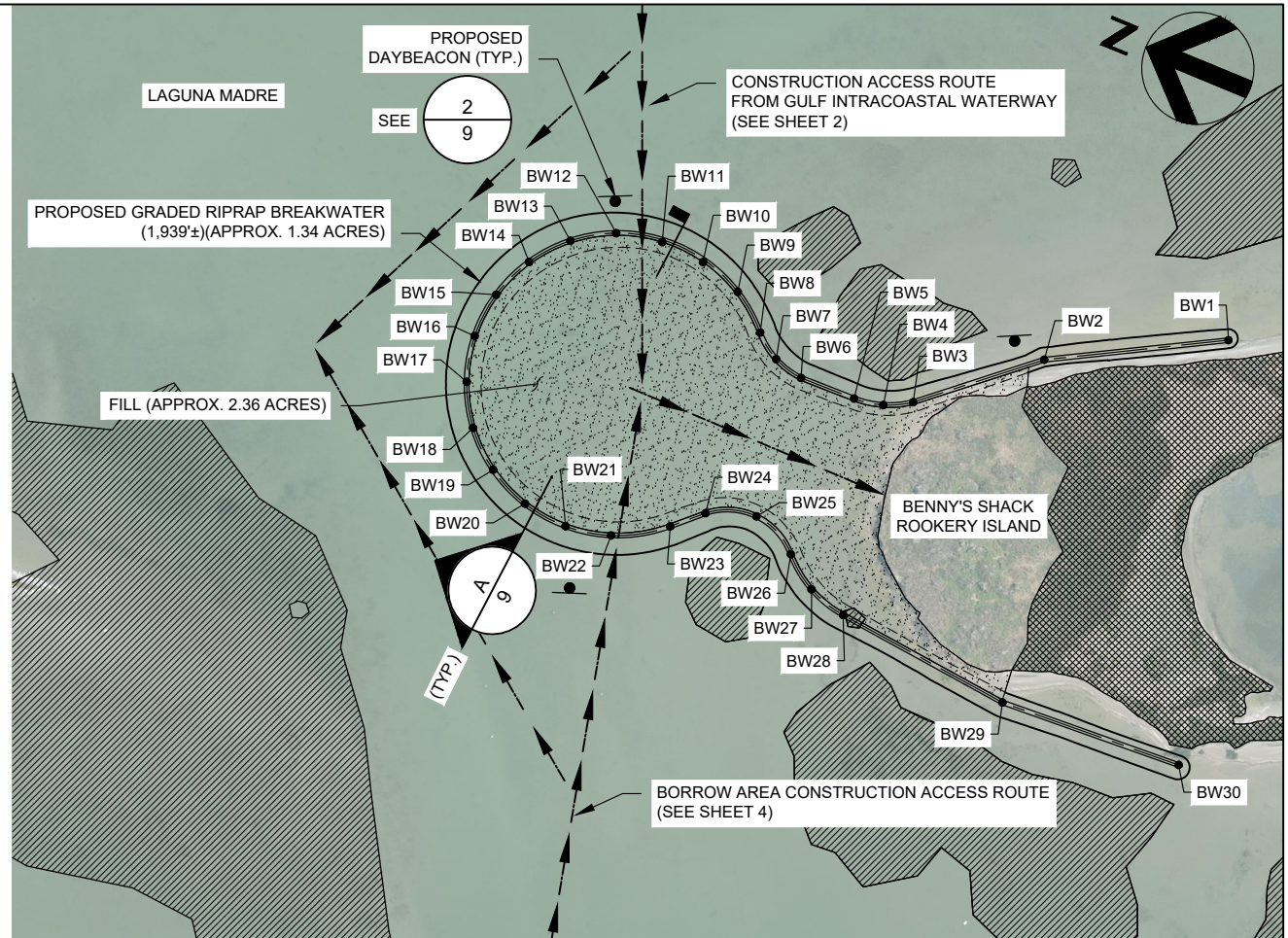


1
3 PROJECT LAYOUT
SCALE: 0 250' 500'

APPROXIMATE BREAKWATER ALIGNMENT COORDINATES			APPROXIMATE BREAKWATER ALIGNMENT COORDINATES		
NAME	NORTHING	EASTING	NAME	NORTHING	EASTING
BW1	16,705,021	1,348,403	BW16	16,705,769	1,348,099
BW2	16,705,195	1,348,308	BW17	16,705,758	1,348,050
BW3	16,705,308	1,348,213	BW18	16,705,733	1,348,007
BW4	16,705,336	1,348,198	BW19	16,705,696	1,347,974
BW5	16,705,368	1,348,192	BW20	16,705,651	1,347,953
BW6	16,705,429	1,348,191	BW21	16,705,601	1,347,948
BW7	16,705,461	1,348,199	BW22	16,705,553	1,347,957
BW8	16,705,488	1,348,219	BW23	16,705,498	1,347,990
BW9	16,705,527	1,348,250	BW24	16,705,468	1,348,018
BW10	16,705,573	1,348,265	BW25	16,705,416	1,348,035
BW11	16,705,622	1,348,269	BW26	16,705,367	1,348,012
BW12	16,705,671	1,348,259	BW27	16,705,332	1,347,986
BW13	16,705,713	1,348,232	BW28	16,705,290	1,347,973
BW14	16,705,746	1,348,194	BW29	16,705,097	1,347,951
BW15	16,705,765	1,348,148	BW30	16,704,897	1,347,962

LEGEND:

-  SUBMERGED AQUATIC VEGETATION
-  WETLAND
-  FILL
-  CONSTRUCTION ACCESS ROUTE
-  PROPOSED GRADED RIPRAP BREAKWATER
-  BW31 BREAKWATER ALIGNMENT POINT
-  PROPOSED DAYBEACON



2
3

ENLARGED PROJECT LAYOUT

SCALE: 0 100' 200'











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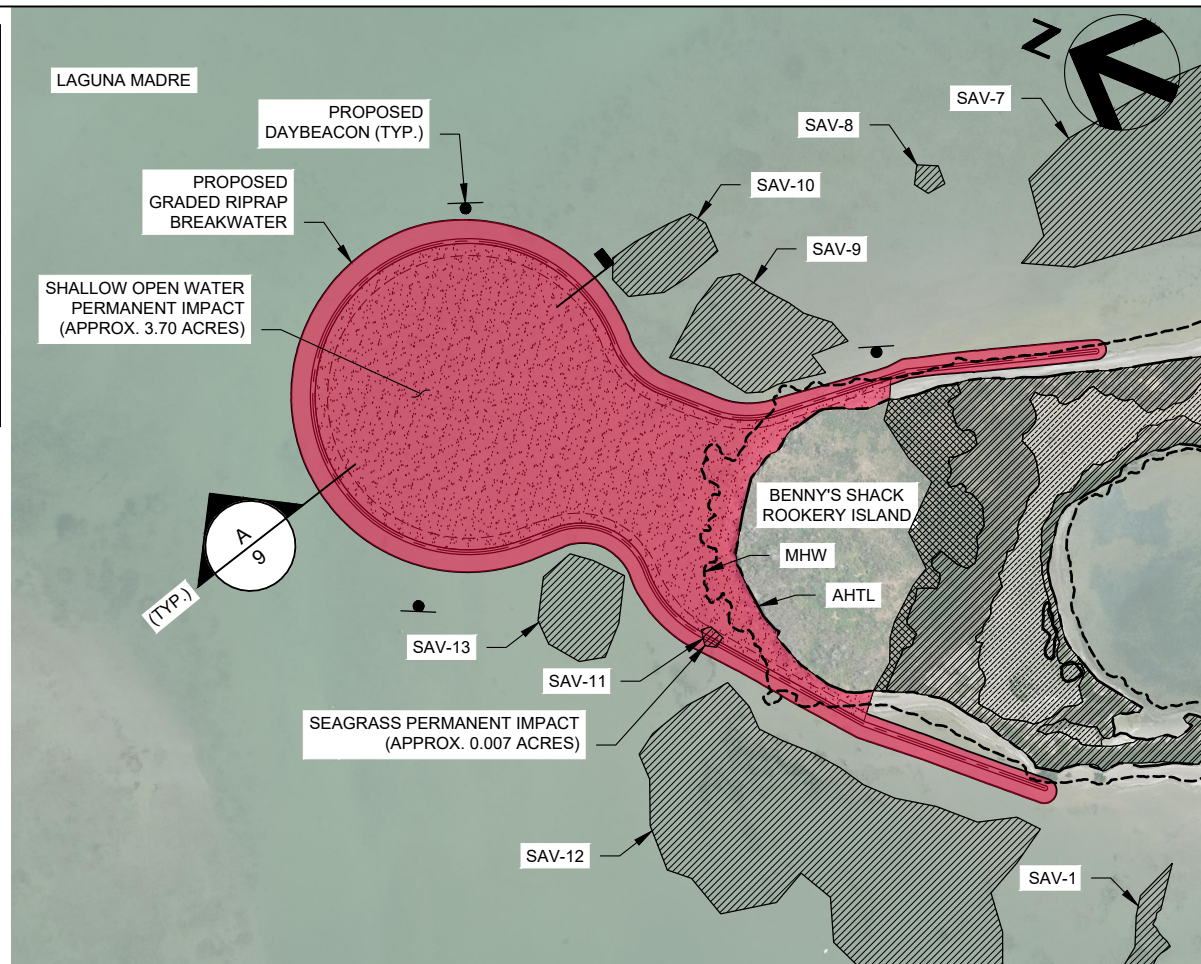
1. PROPOSED FILL INCLUDES 2.36 ACRES OF SAND AND 1.34 ACRES OF GRADED RIPRAP.
2. TOTAL PROJECT FOOTPRINT IS 3.70 ACRES.

HABITAT TYPE	EXISTING ACRES IN STUDY AREA	PROJECT ACTIVITY	PERMANENT IMPACTS (ACRES)
SEAGRASS	32.27	ISLAND FILL	0.00
		BREAKWATER	0.007
WETLANDS	3.48	AVOIDED	0.00
SHALLOW OPEN WATER (BARE BOTTOM)	221.43	ISLAND FILL	2.36
		BREAKWATER	1.333
TOTALS	257.18	-	3.700







NOTE:
STUDY AREA WAS 260 ACRES THAT INCLUDED BENNY'S SHACK ROOKERY ISLAND PROJECT, A ROOKERY ISLAND TO THE NORTH AND THE BORROW AREA. UPLANDS ON THE ISLAND WERE NOT SURVEYED TO AVOID DISTURBING NESTING BIRDS.

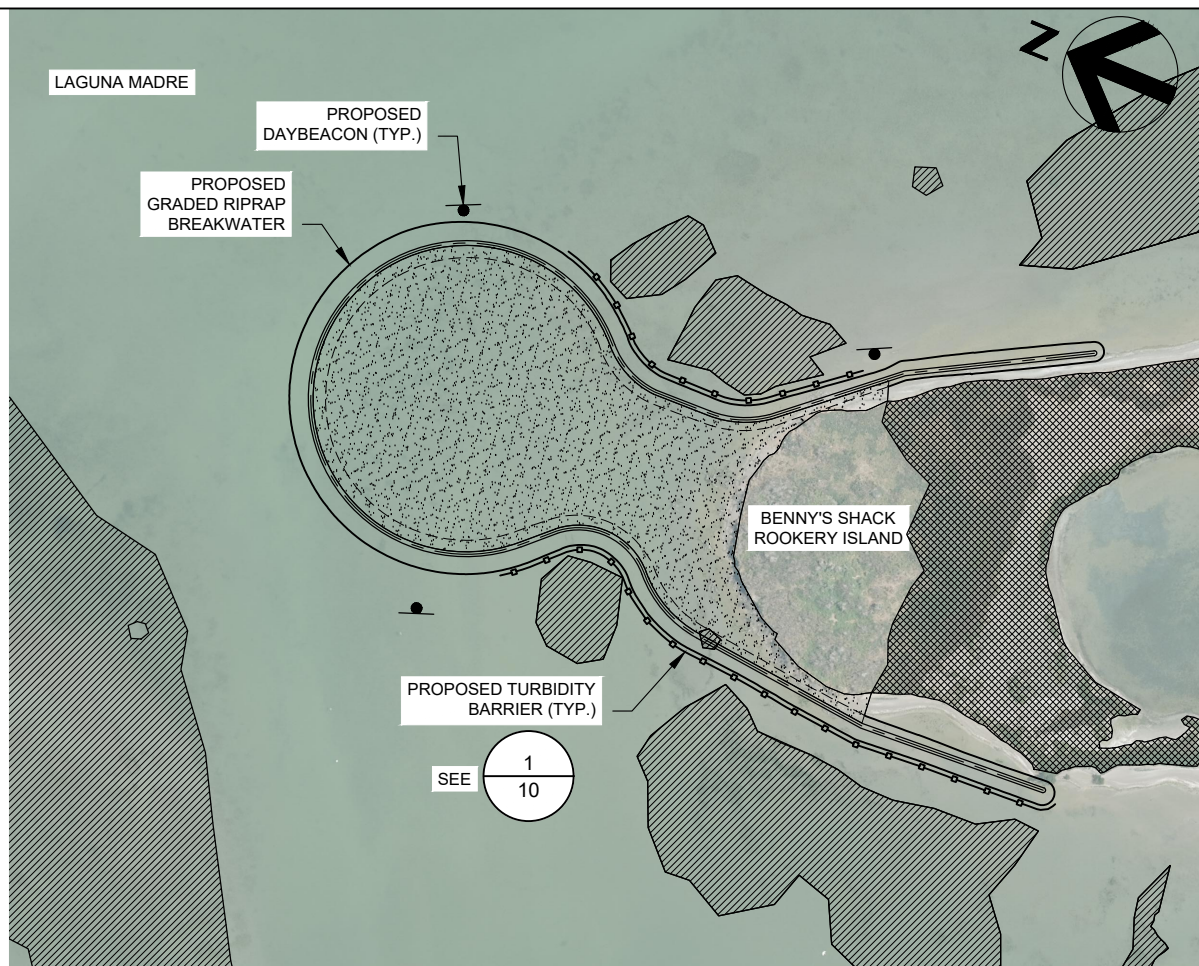
LEGEND:

-  HIGH MARSH
-  LOW MARSH
-  TIDAL FLAT
-  SUBMERGED AQUATIC VEGETATION (SAV)
-  FILL
-  PERMANENT IMPACTS
-  PROPOSED GRADED RIPRAP BREAKWATER
-  AHTL (FIELD DELINEATED)
-  MHW
-  PROPOSED DAYBEACON



LEGEND:

-  SUBMERGED AQUATIC VEGETATION
-  WETLAND
-  FILL
-  PROPOSED GRADED RIPRAP BREAKWATER
-  PROPOSED DAYBEACON
-  PROPOSED TURBIDITY BARRIER



PLAN - TURBIDITY BARRIER

SCALE: 0 100' 200'

NOTES:

1. THE TYPE OF TURBIDITY BARRIER (EX: SILT FENCE, TURBIDITY CURTAIN, ETC.) WILL BE DETERMINED BY THE CONTRACTOR. TURBIDITY BARRIERS WILL BE INSTALLED AND REMOVED IN STAGES FOLLOWING ACTIVE WORK. THIS PHASING WILL ALLOW FOR PROPER MAINTENANCE OF THE TURBIDITY BARRIER IN A COASTAL ENVIRONMENT.



TBPELS Firm
Registration No. F-754

ACTIVITY: BENNY'S SHACK ROOKERY ISLAND PROJECT

APPLICANT: COASTAL BEND BAYS & ESTUARIES PROGRAM, INC.

DATE: FEBRUARY 2024

HDR PROJECT NO: 10322084

DATUM: NAVD 88

REV. DATE:

SHEET 8 OF 10

FOR COE USE ONLY

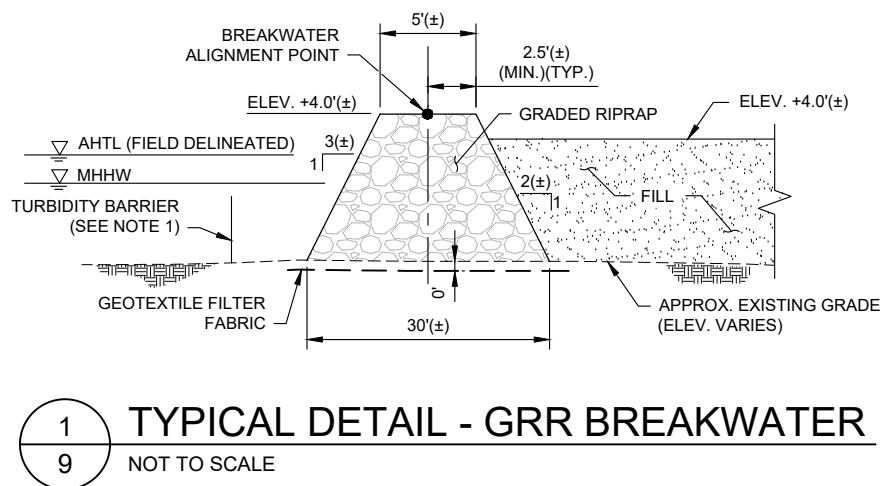
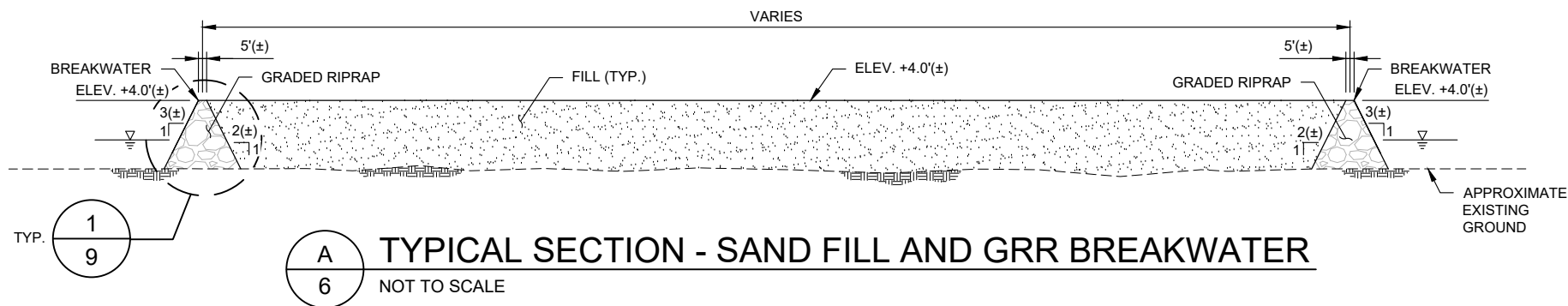
PERMIT APPLICATION NO.: _____

APPLICANT

NAME: _____

SHEET _____ OF _____

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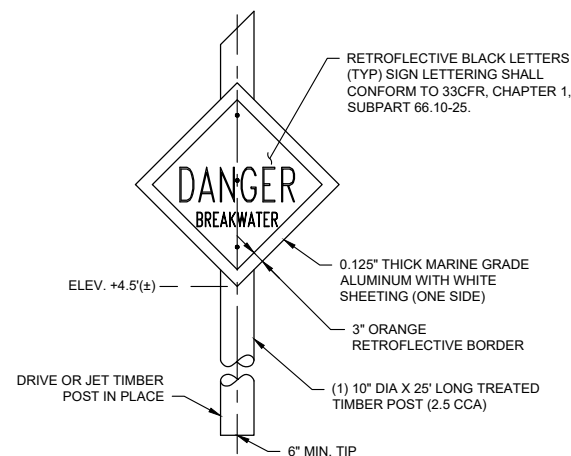


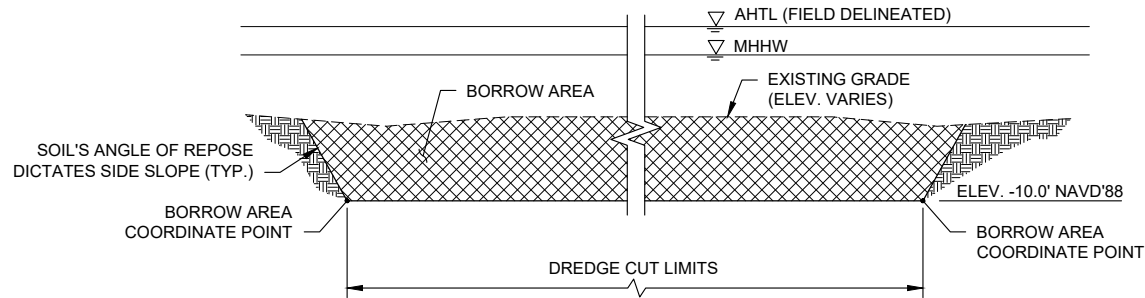
NOTES:

- DURING CONSTRUCTION, TEMPORARY TURBIDITY BARRIER (E.G. SILT FENCE OR TURBIDITY CURTAIN) WILL BE PLACED BETWEEN BREAKWATER AND EXISTING SEAGRASS. SEE DETAIL1 SHEET 10.
- ALL ELEVATIONS REFERENCE NAVD'88.

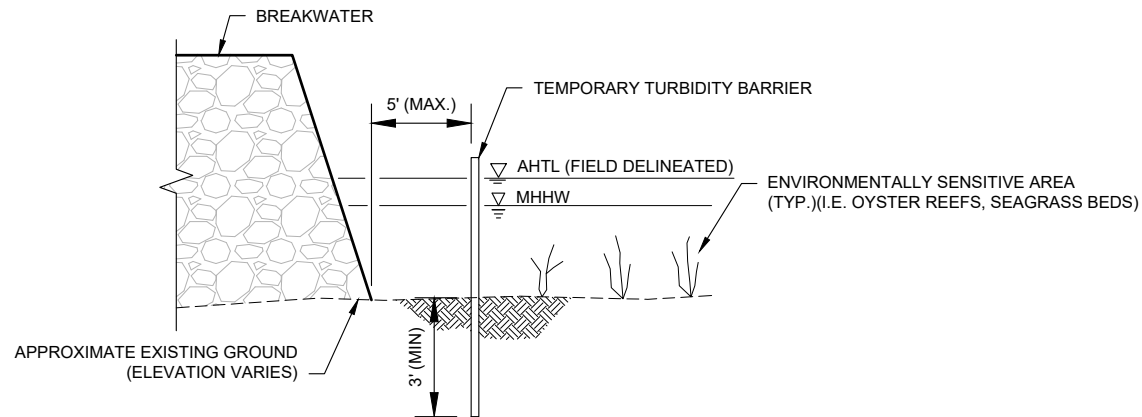
ABBREVIATIONS

GRR	GRADED RIPRAP
MLLW	MEAN LOWER LOW WATER





A
4 **TYPICAL SECTION - BORROW AREA**
NOT TO SCALE



1
9 **TYPICAL DETAIL - TURBIDITY BARRIER (BREAKWATER)**
NOT TO SCALE