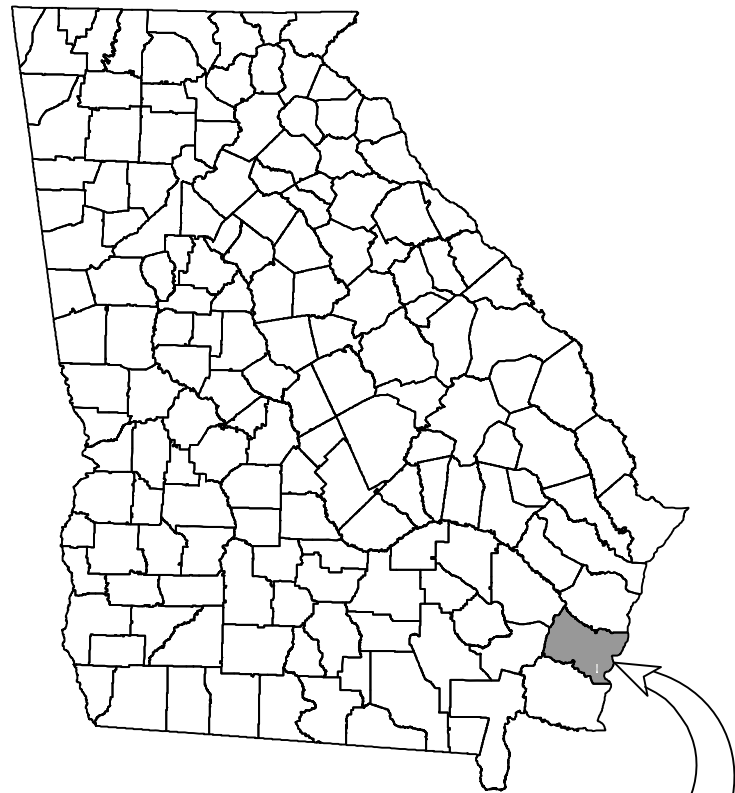
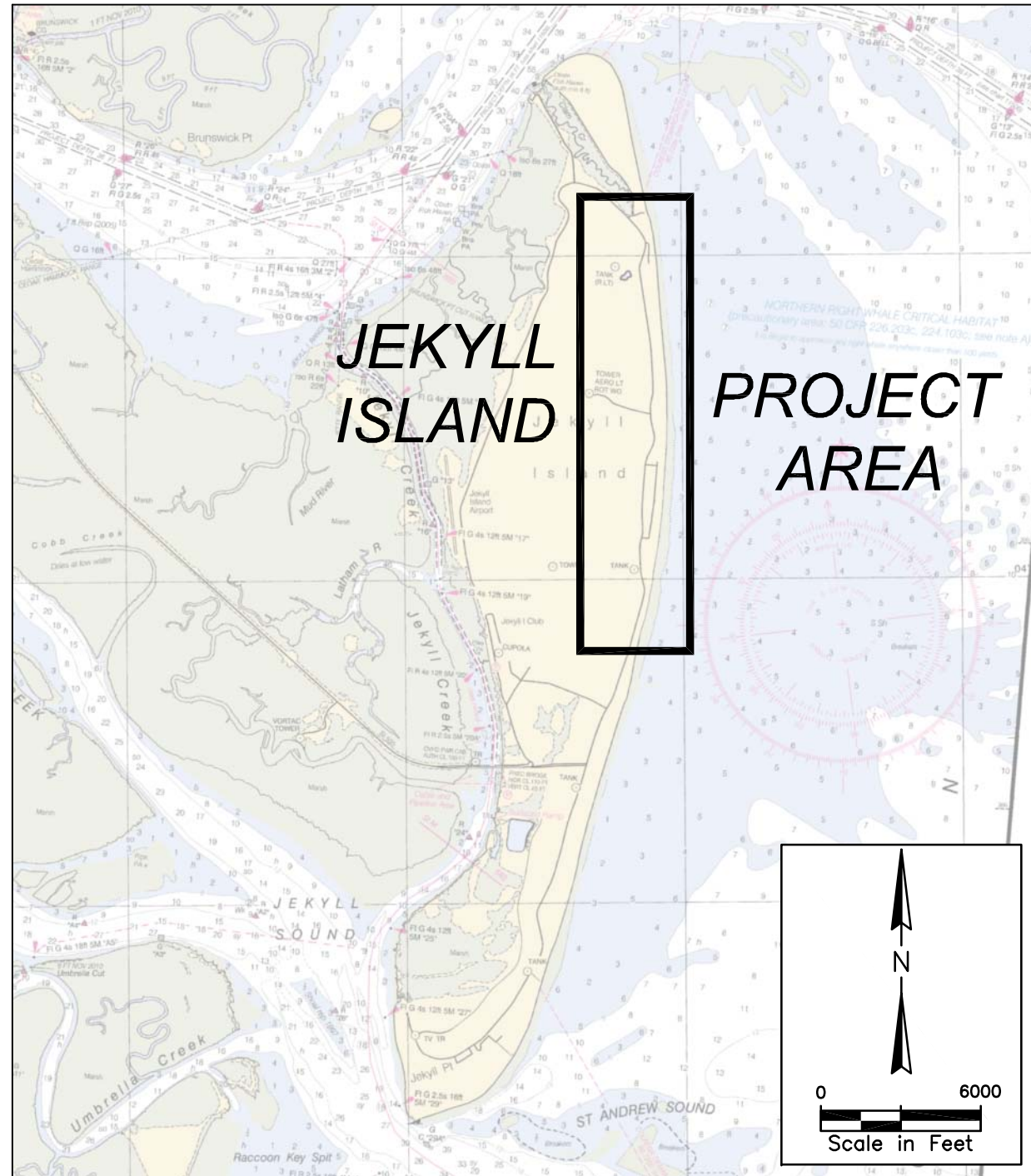


JEKYLL ISLAND PHASE 2: SHORELINE REHABILITATION

GEORGIA



GLYNN COUNTY



SHEET INDEX:

1. COVER SHEET & LOCATION MAP
2. PROJECT OVERVIEW
3. SITE PLAN - STATION: -54+00 TO -31+00
4. SITE PLAN - STATION: -30+00 TO -10+00
5. SITE PLAN - STATION: -9+00 TO 11+00
6. SITE PLAN - STATION: 12+00 TO 32+00
7. SITE PLAN - STATION: 33+00 TO 53+00
8. SITE PLAN - STATION: 54+00 TO 74+00
9. SITE PLAN - STATION: 75+00 TO 95+00
10. SITE PLAN - STATION: 96+00 TO 107+00 (TRANSITIONAL SHORELINE)
11. PROPOSED SAND BORROW SITE AND OFFLOADING SITE
12. PHASE 2 PROJECT QUANTITIES
13. VEGETATION & DUNE DETAILS
14. TRANSITIONAL SHORELINE DETAILS
15. DUNE CROSSOVERS DETAILS
16. REVETMENT RETURN SECTION DETAILS

NOAA STATION 8677344, ST. SIMONS ISLAND, GA		
DATUM	ABBREV.	ELEV. NAVD88 (FEET)
HIGHEST ASTRONOMICAL TIDE	HAT	5.0
MEAN HIGHER HIGH WATER	MHHW	3.0
MEAN HIGH WATER	MHW	2.6
NORTH AMERICAN VERTICAL DATUM, 1988	NAVD88	0.0
MEAN LOW WATER	MLW	-4.0
MEAN LOWER LOW WATER	MLLW	-4.2

NOT FOR CONSTRUCTION

COVER SHEET &
LOCATION MAP
Project: Jekyll Island Phase 2 Shoreline Rehabilitation
Owner: Jekyll Island Authority
Project Address: Jekyll Island, Georgia

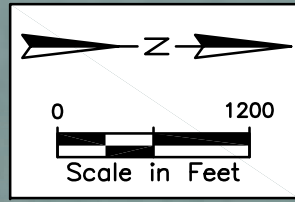
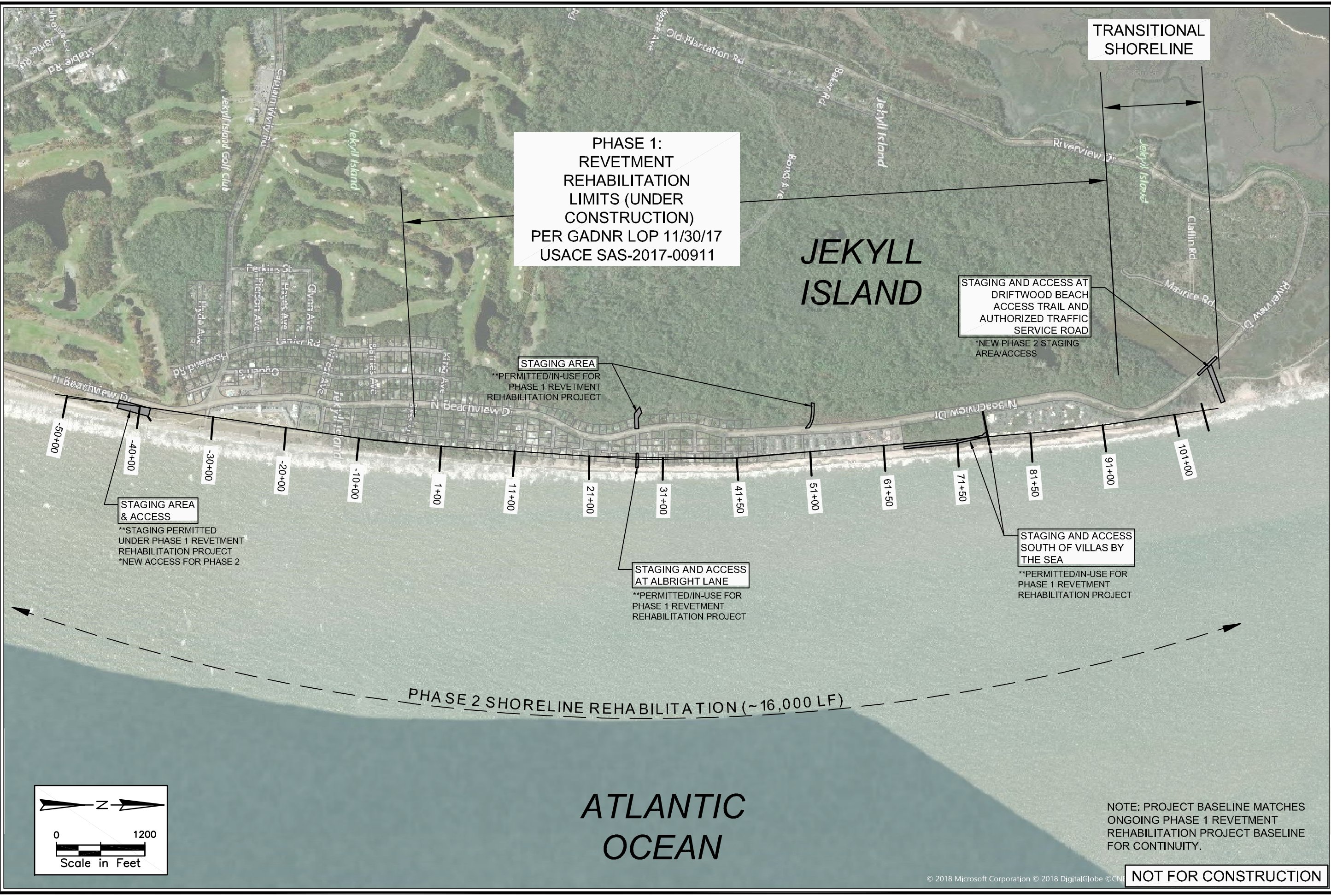


REVISIONS

JOB NO:	17-3113	CHECKED BY:	HH
DATE:	8/21/2018	DRAWN BY:	MM
SCALE:	SHOWN	SHEET NO.:	1

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NOTE: PROJECT BASELINE MATCHES ONGOING PHASE 1 REVETMENT REHABILITATION PROJECT BASELINE FOR CONTINUITY.

NOT FOR CONSTRUCTION

REVISIONS	JOB NO:	17-3113	CHECKED BY:	HH
	DATE:	8/21/2018	DRAWN BY:	MM
	SCALE:	SHOWN	SHEET NO.:	2

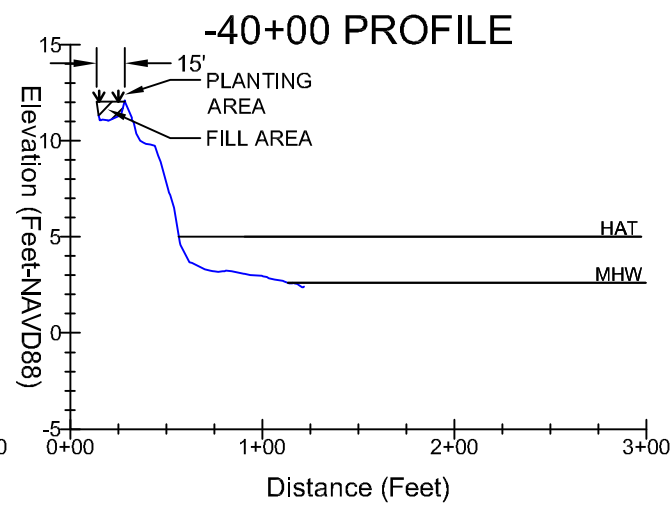
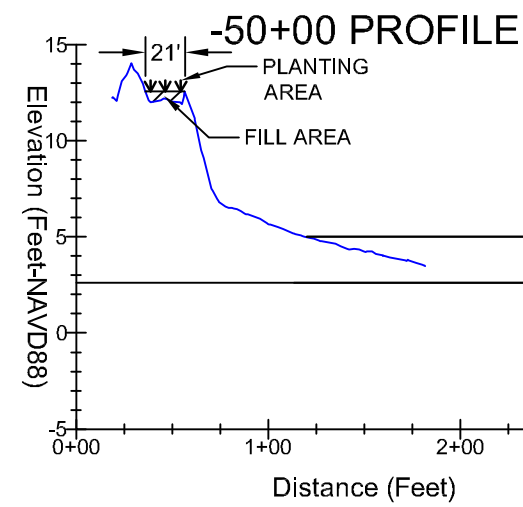
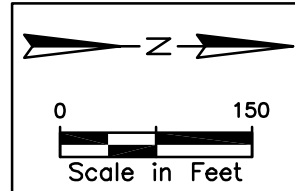
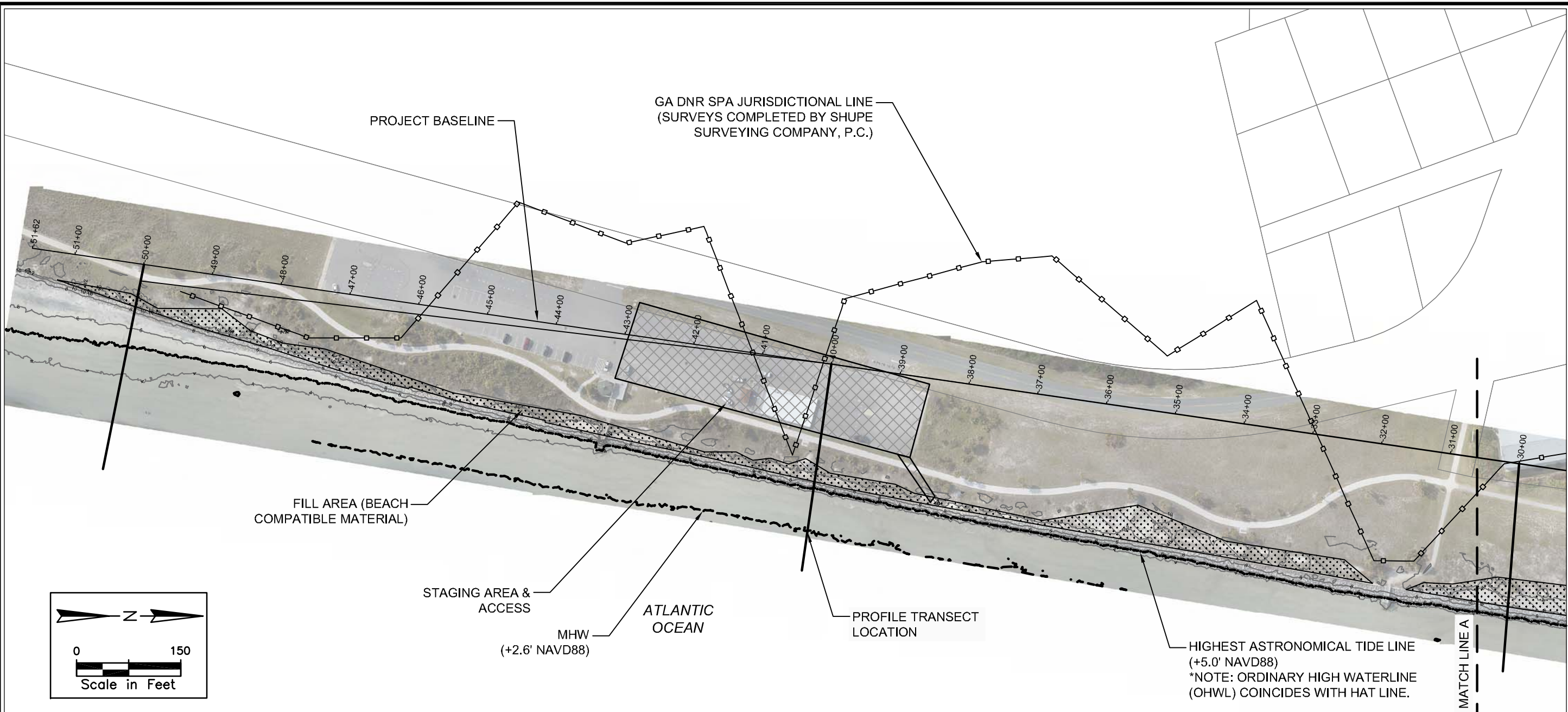
PROJECT OVERVIEW

Project: Jekyll Island Phase 2 Shoreline Rehabilitation

Owner: Jekyll Island Authority
Project Address: Jekyll Island, Georgia

411 Pablo Avenue
Jacksonville Beach, FL 32250
904.249.8009
GA COA #310384

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PROFILE LEGEND

- POST IRMA SURVEY-11/17
- PROPOSED TERRACED BERM FILL AREA
- REHABILITATED REVETMENT (UNDER CONSTRUCTION)
- PROPOSED VEGETATION AREA & DUNE FILL

- NOTES:**
- EXISTING PROFILES BASED ON SURVEY BY ARC SURVEYING & MAPPING DATED NOVEMBER 2017.
 - REHABILITATED REVETMENT PROFILE BASED ON GA DNR LETTER OF PERMISSION (11/30/17).
 - TERRACE BERM FILL WIDTHS VARY.

PLAN VIEW LEGEND

- GA DNR SPA JURISDICTIONAL LINE
- MEAN HIGH WATER LINE
- HIGHEST ASTRONOMICAL TIDE LINE (ALSO OHWL)
- PROPOSED TERRACED BERM FILL AREA
- PROPOSED VEGETATION & DUNE AREAS

NOTE: CONTOURS BASED ON SURVEY BY ARC SURVEYING & MAPPING DATED NOVEMBER 2017.

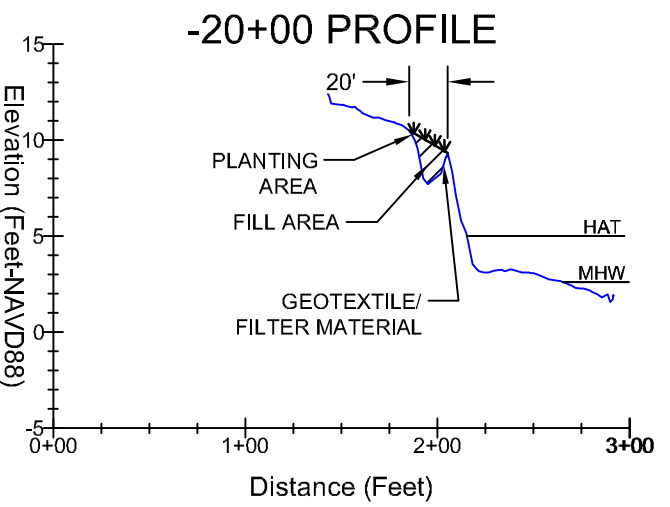
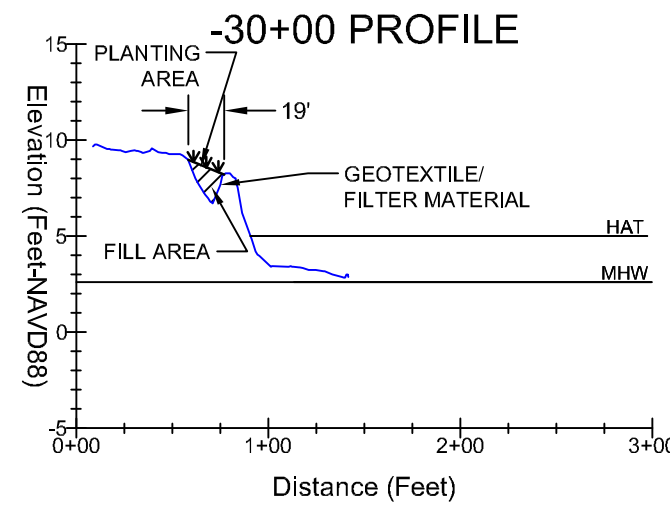
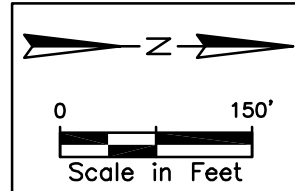
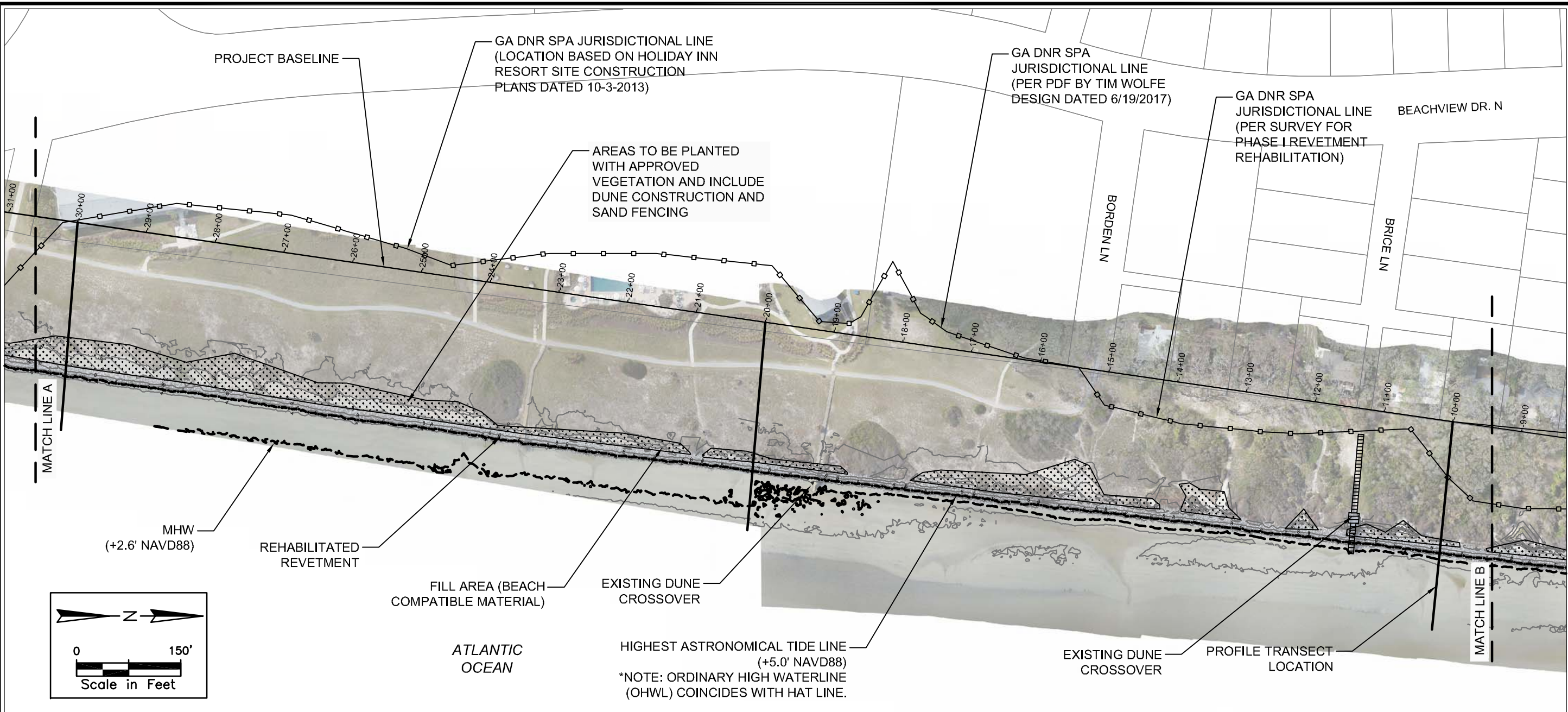
NOT FOR CONSTRUCTION

CHECKED BY: HH	JOB NO: 17-3113
DRAWN BY: MM	DATE: 8/21/2018
SHEET NO: 3	SCALE: SHOWN

REVISIONS
 SITE PLAN
 STATION: -54+00 TO -31+00
 Project: Jekyll Island Phase 2 Shoreline Rehabilitation
 Owner: Jekyll Island Authority
 Project Address: Jekyll Island, Georgia

411 Pablo Avenue
 Jacksonville Beach, FL 32250
 904.249.8009
 GA COA #310384

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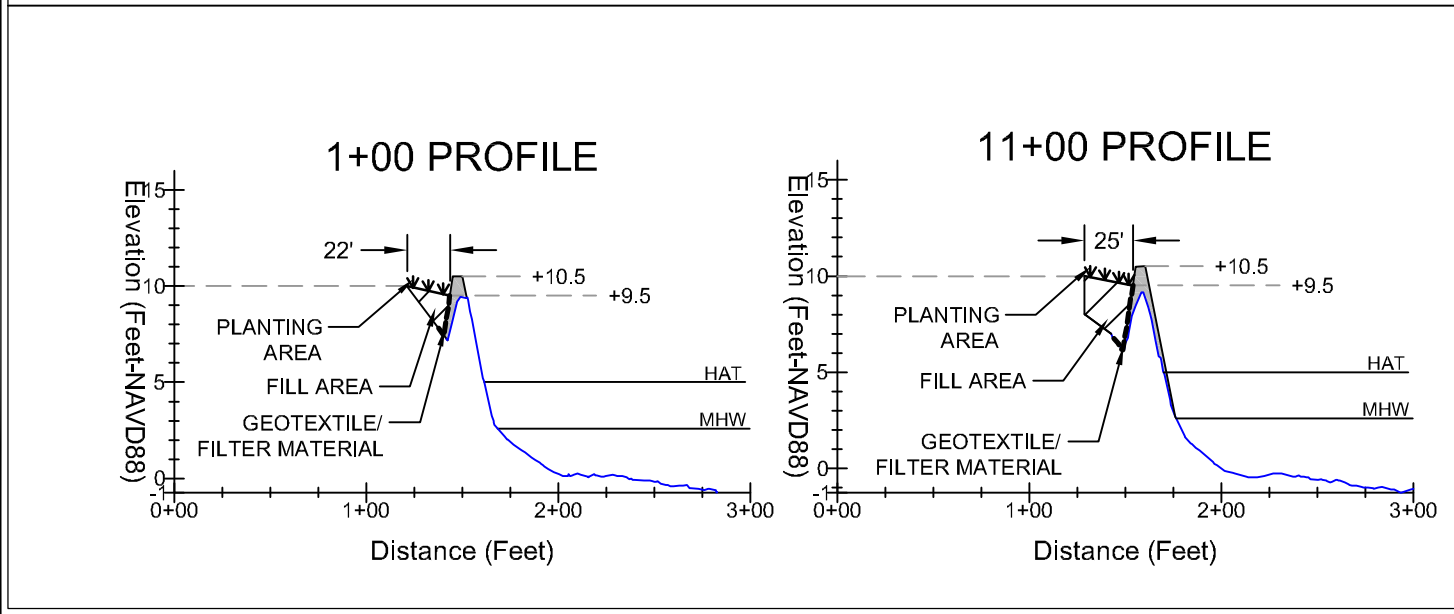
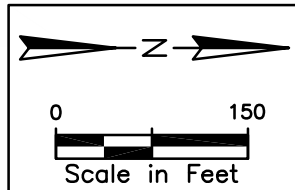
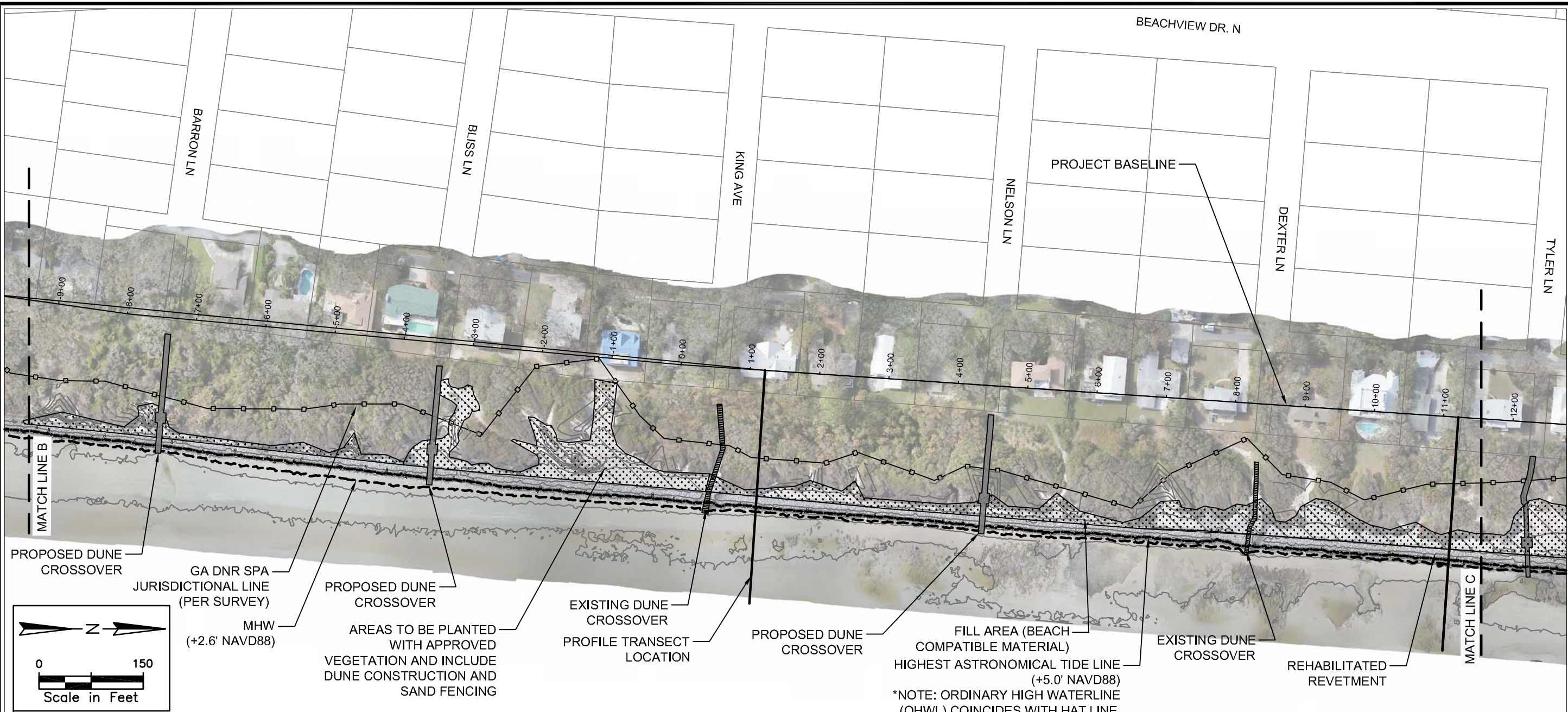
NOT FOR CONSTRUCTION

JOB NO: 17-3113	CHECKED BY: HH	DRAWN BY: MM
DATE: 8/21/2018	SCALE: SHOWN	SHEET NO: 4
REVISIONS		

SITE PLAN
 STATION: -30+00 TO -10+00
 Project: Jekyll Island Phase 2 Shoreline Rehabilitation
 Owner: Jekyll Island Authority
 Project Address: Jekyll Island, Georgia



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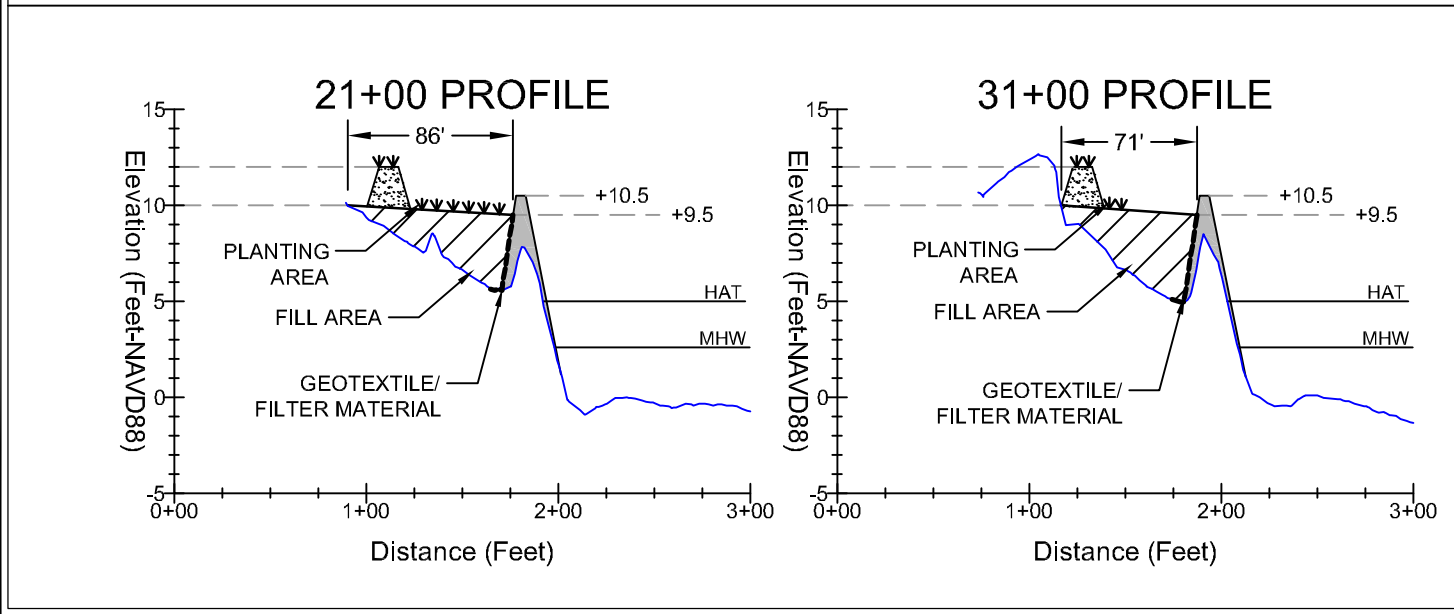
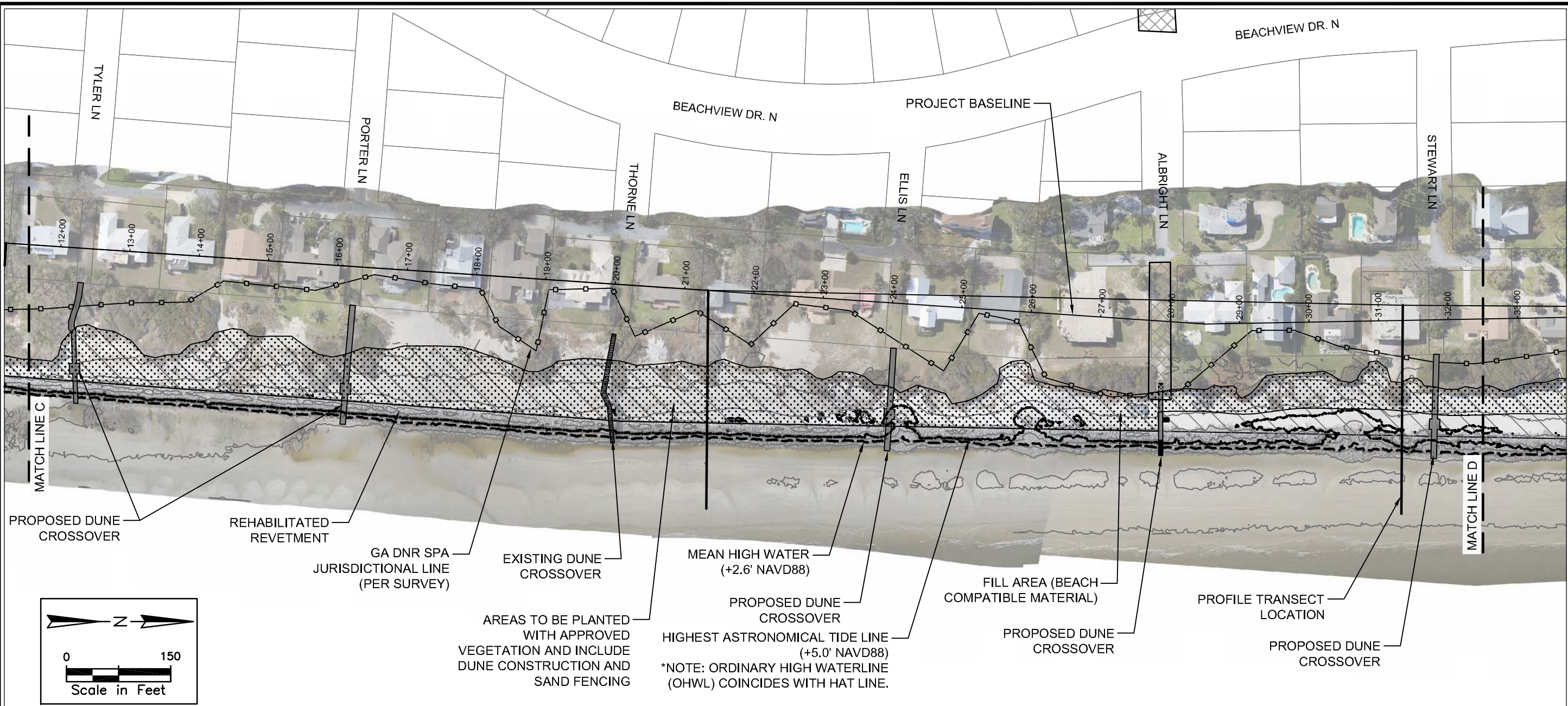
NOTE: CONTOURS BASED ON SURVEY BY ARC SURVEYING & MAPPING DATED NOVEMBER 2017.

NOT FOR CONSTRUCTION

JOB NO: 17-3113	CHECKED BY: HH	SHEET NO: 5
DATE: 8/21/2018	DRAWN BY: MM	
SCALE: SHOWN		

SITE PLAN
 STATION: -9+00 TO 11+00
 Project: Jekyll Island Phase 2 Shoreline Rehabilitation
 Owner: Jekyll Island Authority
 Project Address: Jekyll Island, Georgia

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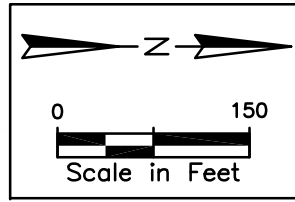
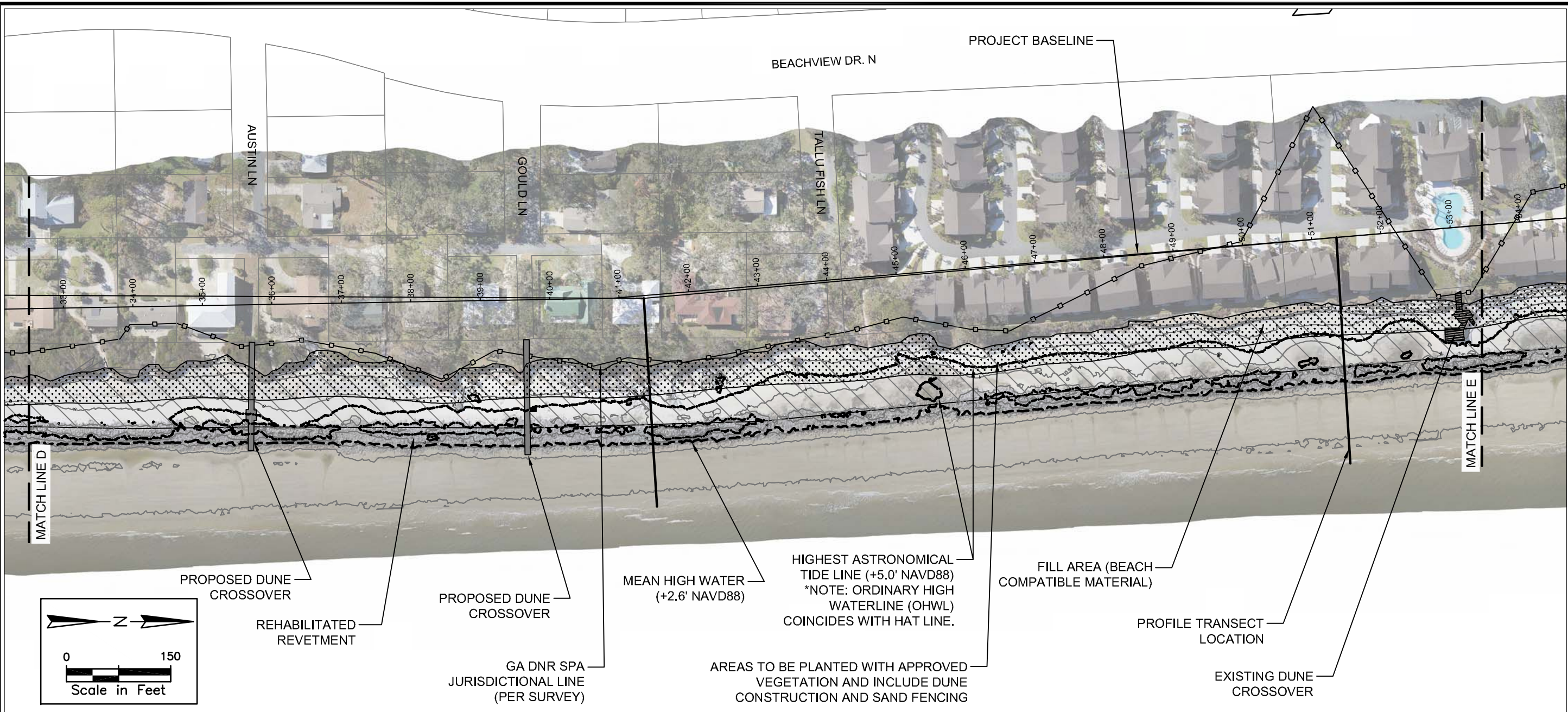
NOT FOR CONSTRUCTION

JOB NO: 17-3113	CHECKED BY: HH	SHEET NO: 6
DATE: 8/21/2018	DRAWN BY: MM	
SCALE: SHOWN		

SITE PLAN
 STATION: 12+00 TO 32+00
 Project: Jekyll Island Phase 2 Shoreline Rehabilitation
 Owner: Jekyll Island Authority
 Project Address: Jekyll Island, Georgia

411 Pablo Avenue
 Jacksonville Beach, FL 32250
 904.249.8009
 GA COA #310384

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PROPOSED DUNE CROSSOVER
REHABILITATED REVETMENT

PROPOSED DUNE CROSSOVER
GA DNR SPA JURISDICTIONAL LINE (PER SURVEY)

MEAN HIGH WATER (+2.6' NAVD88)

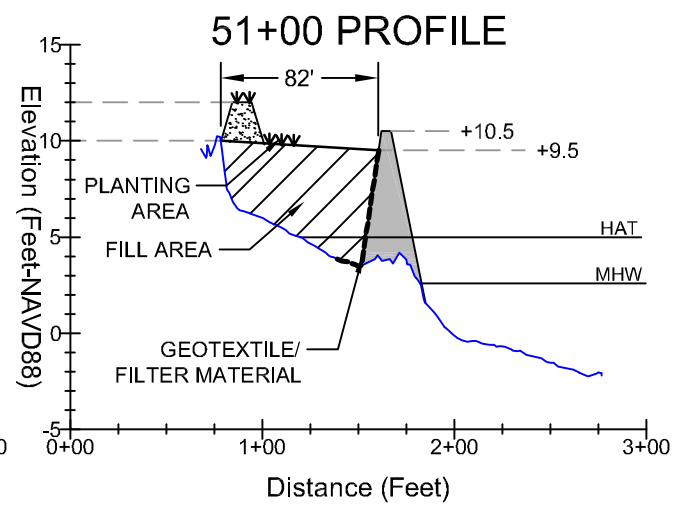
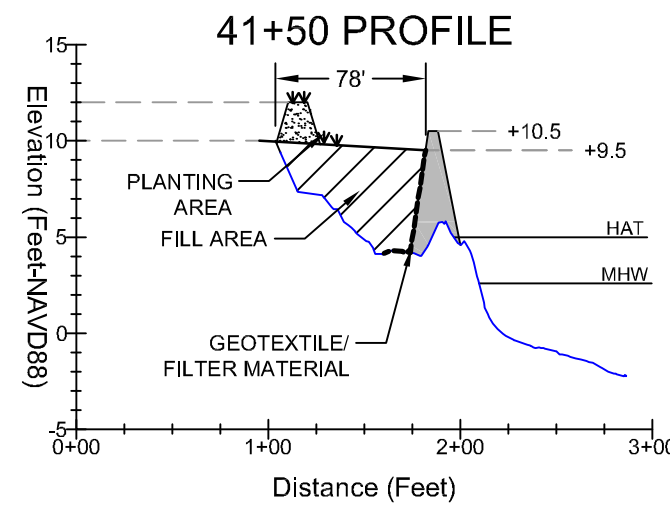
HIGHEST ASTRONOMICAL TIDE LINE (+5.0' NAVD88)
*NOTE: ORDINARY HIGH WATERLINE (OHWL) COINCIDES WITH HAT LINE.

FILL AREA (BEACH COMPATIBLE MATERIAL)

AREAS TO BE PLANTED WITH APPROVED VEGETATION AND INCLUDE DUNE CONSTRUCTION AND SAND FENCING

PROFILE TRANSECT LOCATION

EXISTING DUNE CROSSOVER



PROFILE LEGEND

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- PROPOSED TERRACED BERM FILL AREA
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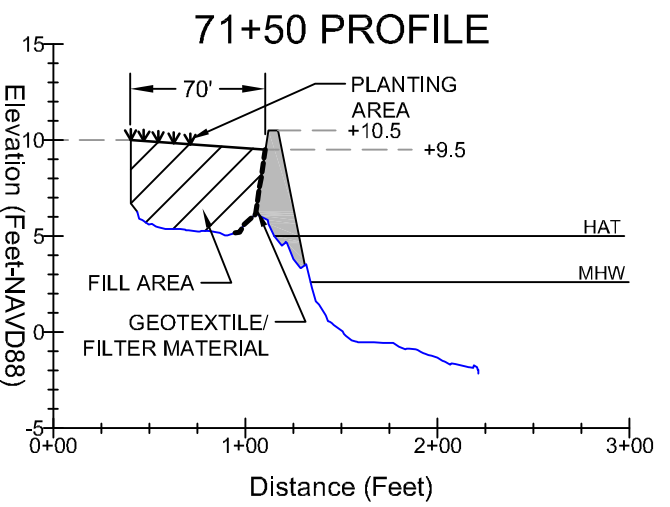
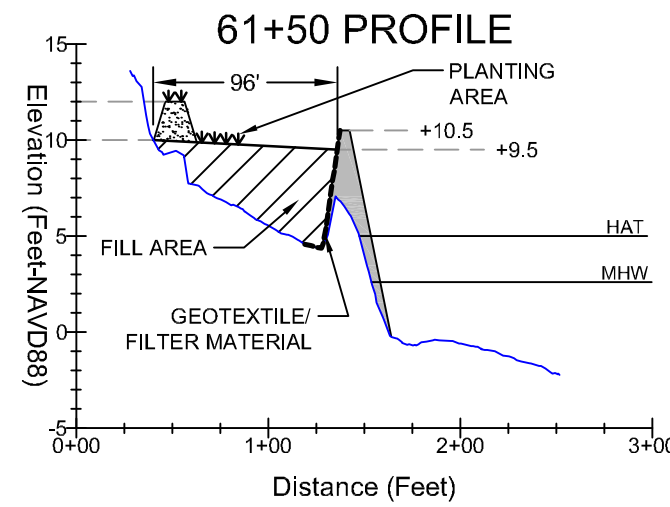
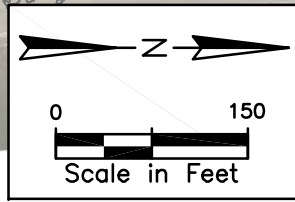
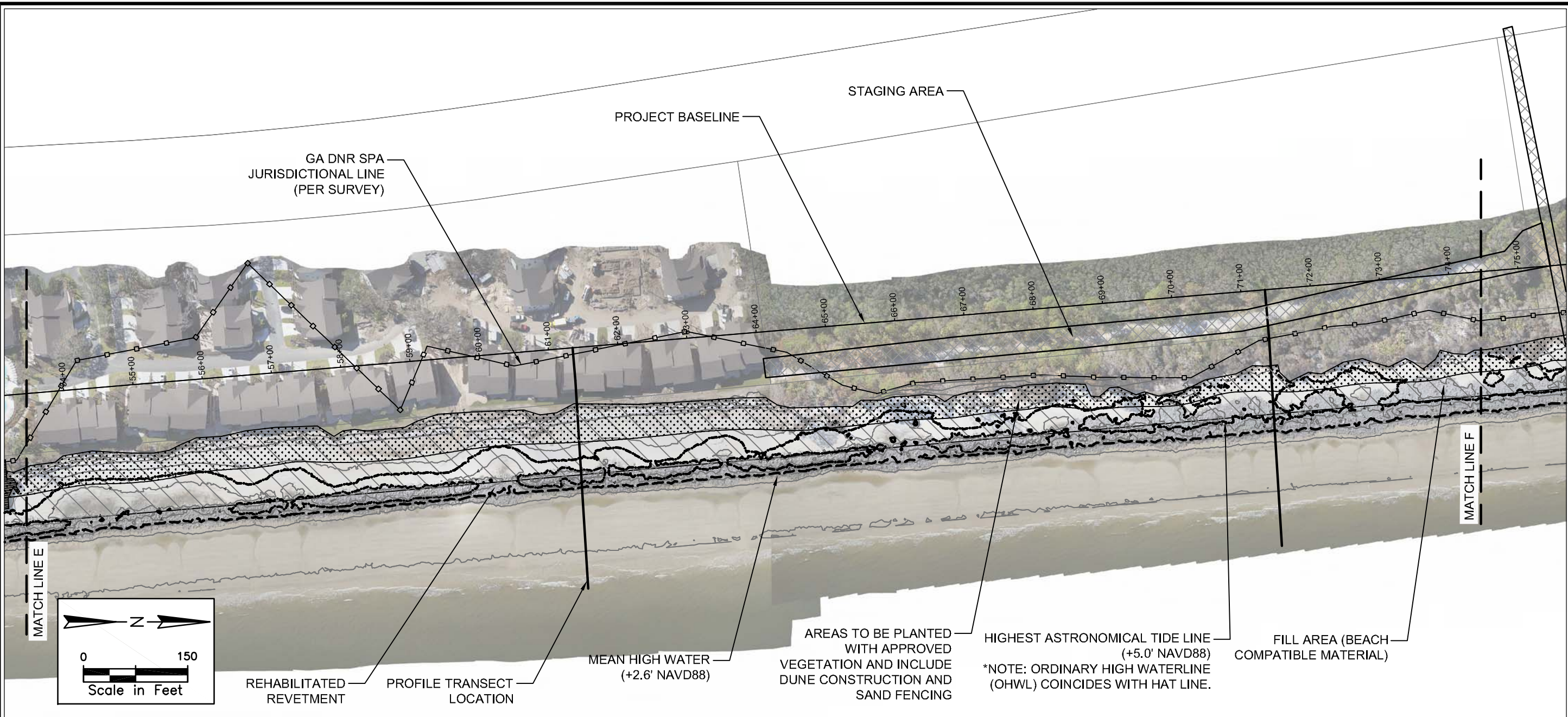
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CHECKED BY: HH	JOB NO: 17-3113
DRAWN BY: MM	DATE: 8/21/2018
SHEET NO: 7	SCALE: SHOWN

SITE PLAN
 STATION: 33+00 TO 53+00
 Project: Jekyll Island Phase 2 Shoreline Rehabilitation
 Owner: Jekyll Island Authority
 Project Address: Jekyll Island, Georgia

411 Pablo Avenue
 Jacksonville Beach, FL 32250
 904.249.8009
 GA COA #310384

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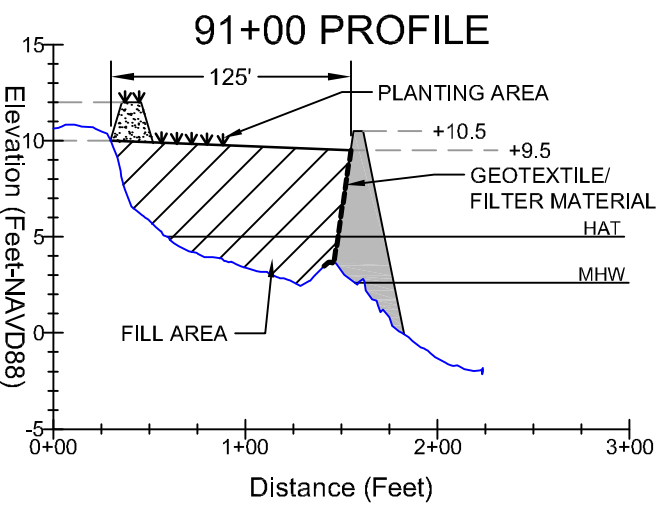
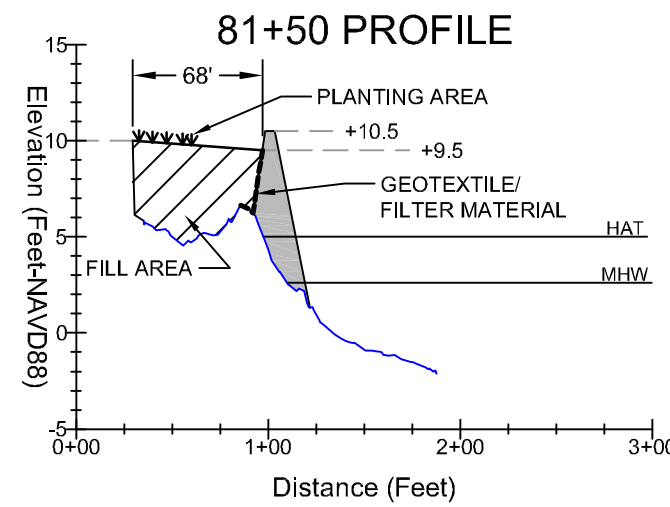
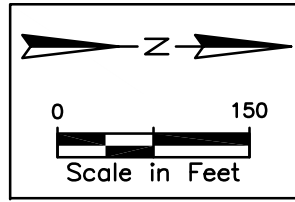
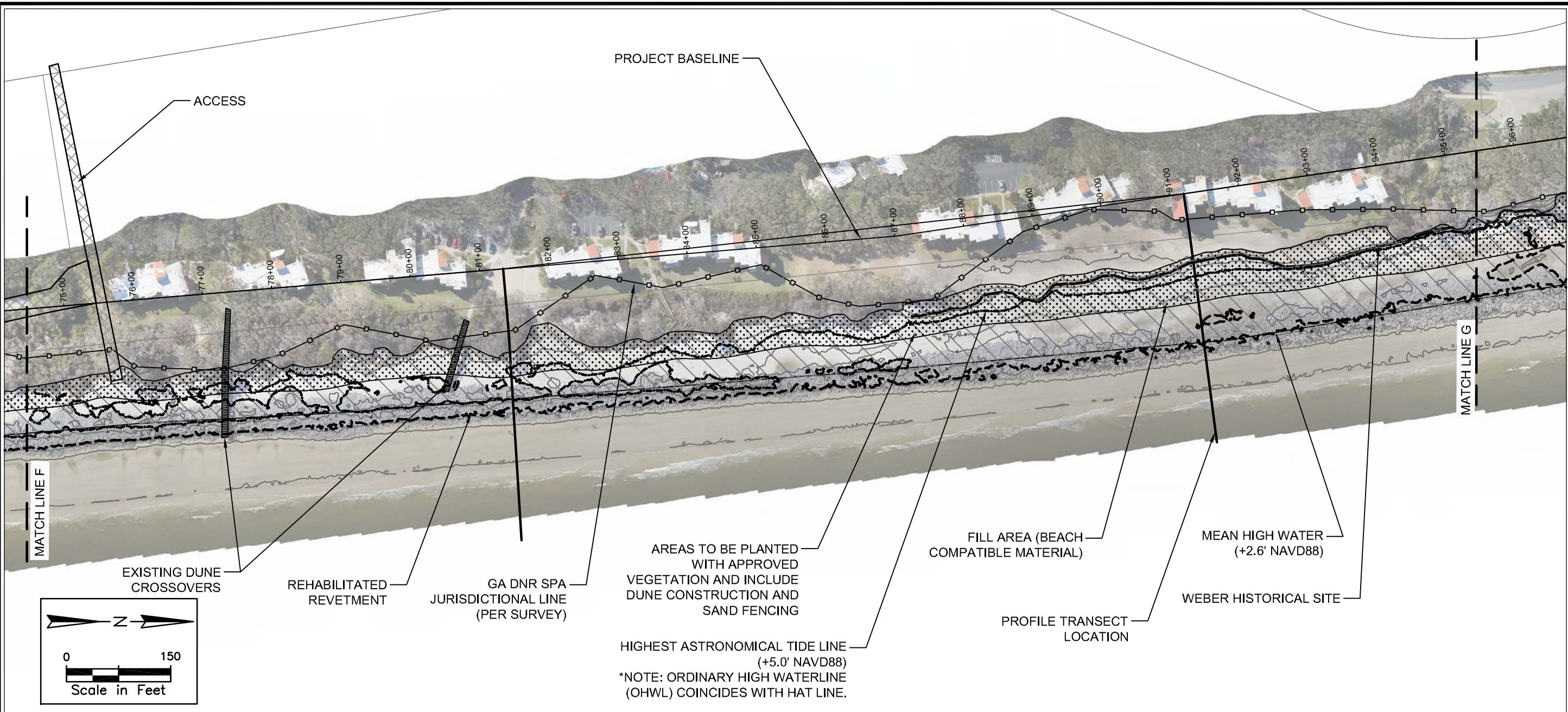
NOT FOR CONSTRUCTION

JOB NO: 17-3113	CHECKED BY: HH	DRAWN BY: MM
DATE: 8/21/2018	SCALE: SHOWN	SHEET NO: 8
REVISIONS		

SITE PLAN
 STATION: 54+00 TO 74+00
 Project: Jekyll Island Phase 2 Shoreline Rehabilitation
 Owner: Jekyll Island Authority
 Project Address: Jekyll Island, Georgia



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- POST IRMA SURVEY-11/17
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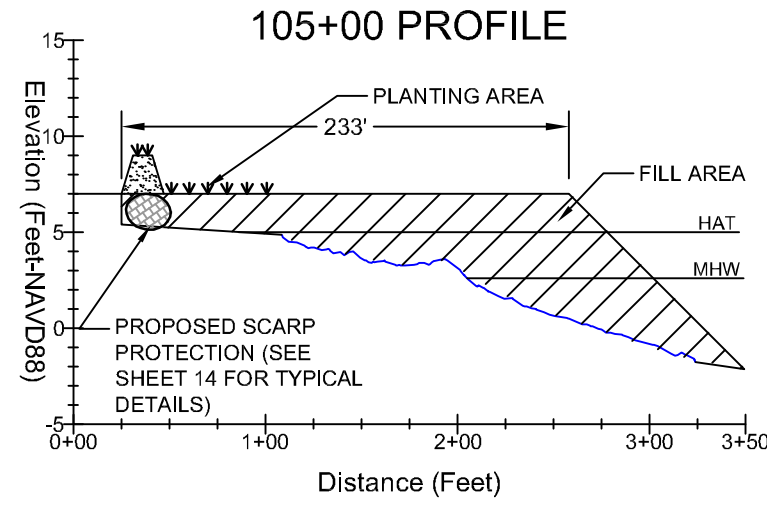
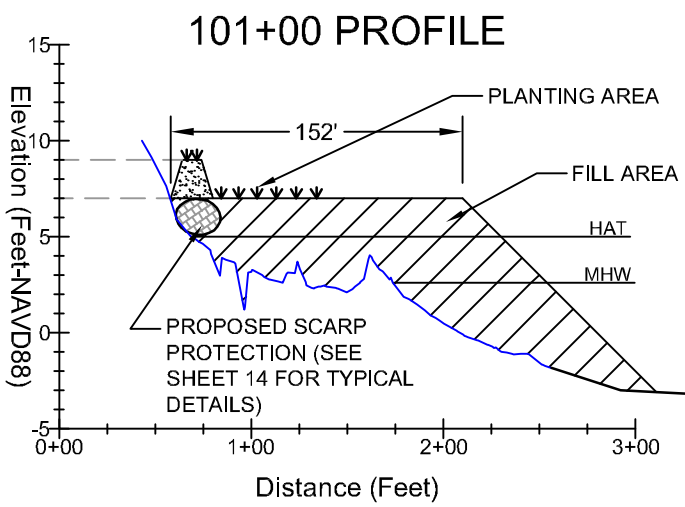
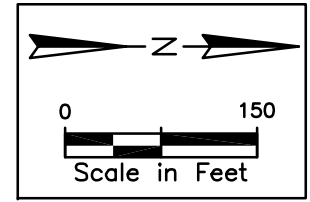
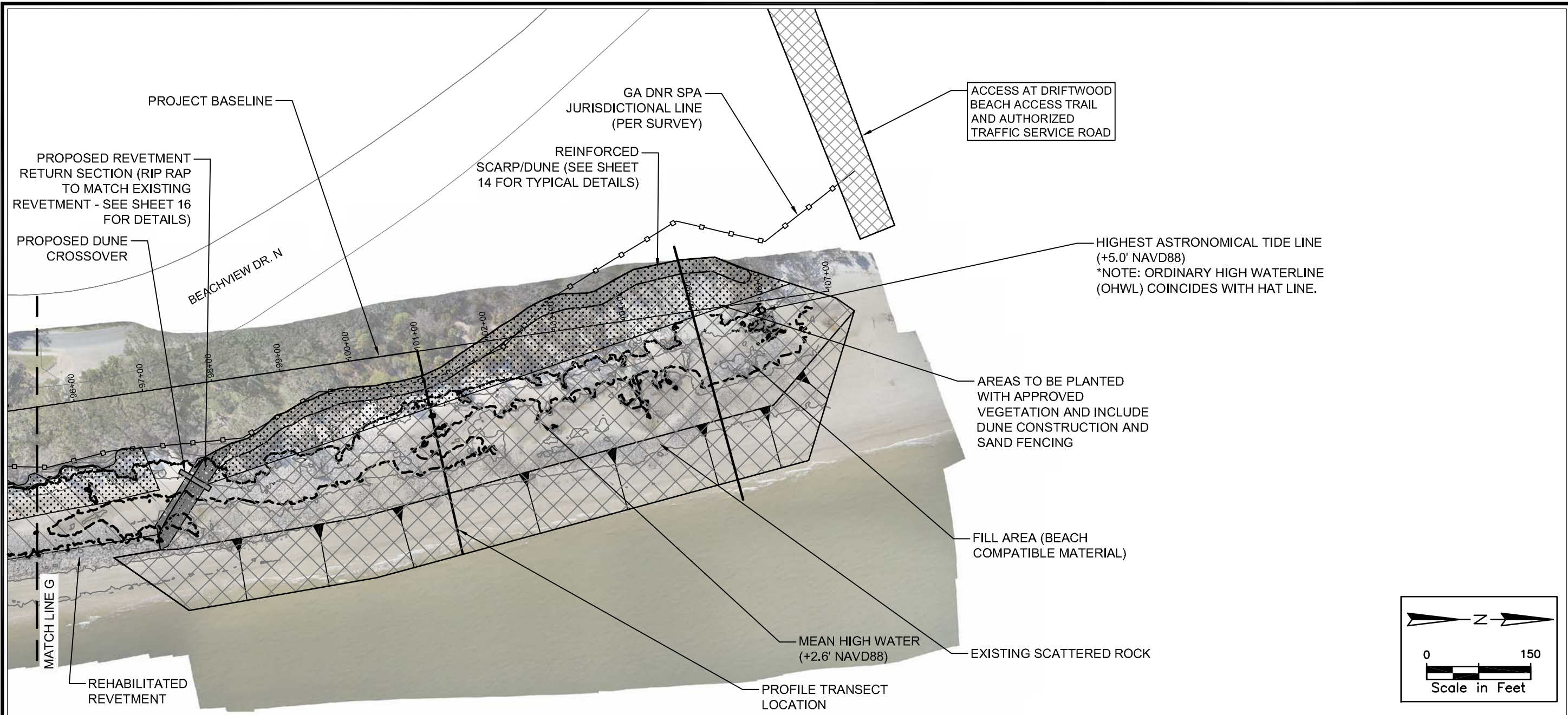
NOT FOR CONSTRUCTION

JOB NO: 17-3113	CHECKED BY: HH	DRAWN BY: MM
DATE: 8/21/2018	SCALE: SHOWN	SHEET NO: 9
REVISIONS		

SITE PLAN
 STATION: 75+00 TO 95+00
 Project: Jekyll Island Phase 2 Shoreline Rehabilitation
 Owner: Jekyll Island Authority
 Project Address: Jekyll Island, Georgia



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 2. REHABILITATED REVETMENT PROFILE BASED ON GA DNR LETTER OF PERMISSION (11/30/17).
 3. TERRACE BERM FILL WIDTHS VARY.

- PLAN VIEW LEGEND**
- GA DNR SPA JURISDICTIONAL LINE
 - MEAN HIGH WATER LINE
 - HIGHEST ASTRONOMICAL TIDE LINE (ALSO OHWL)
 - PROPOSED TERRACED BERM FILL AREA
 - PROPOSED VEGETATION & DUNE AREAS

NOTE: CONTOURS BASED ON SURVEY BY ARC SURVEYING & MAPPING DATED NOVEMBER 2017.

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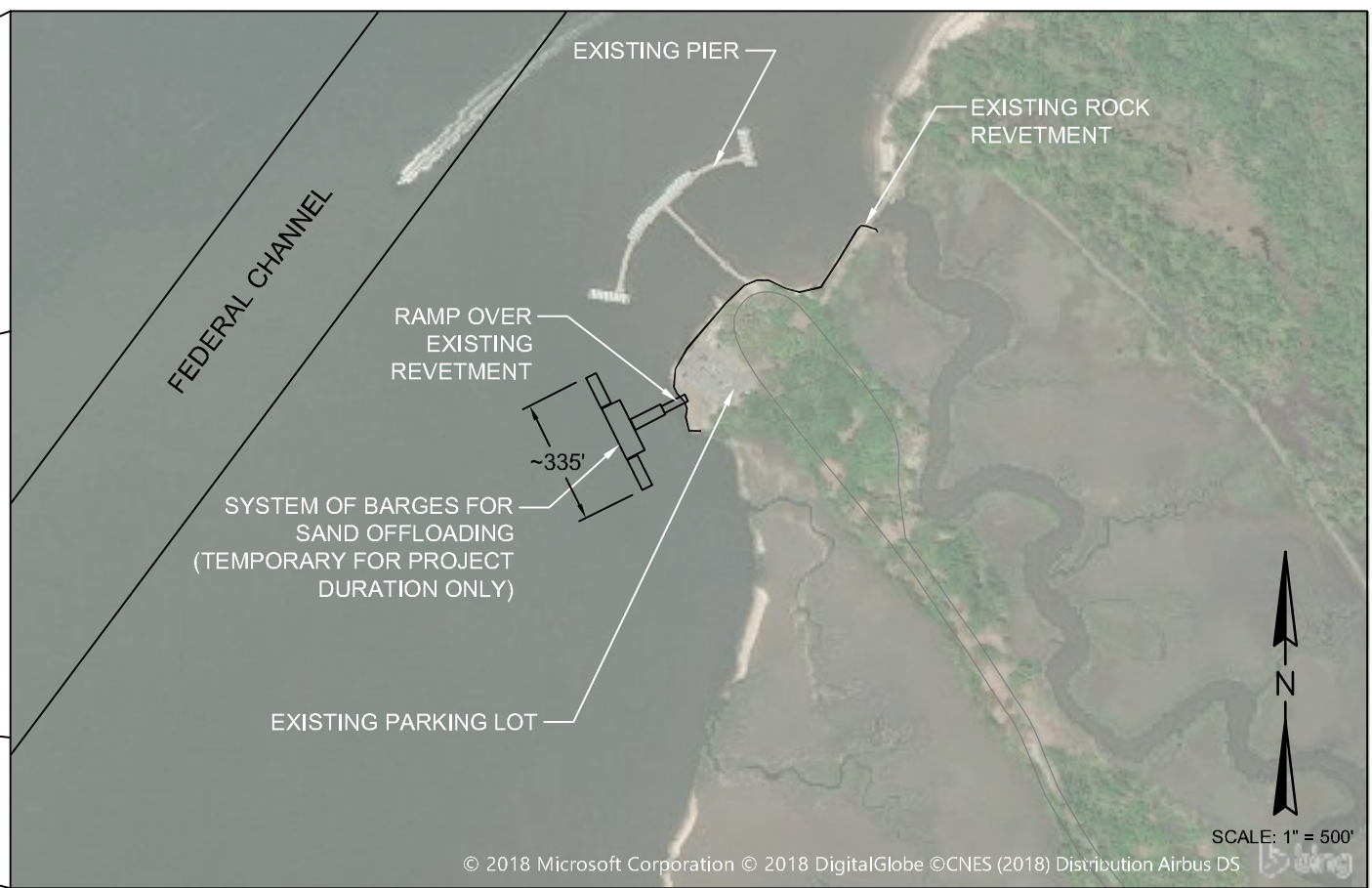
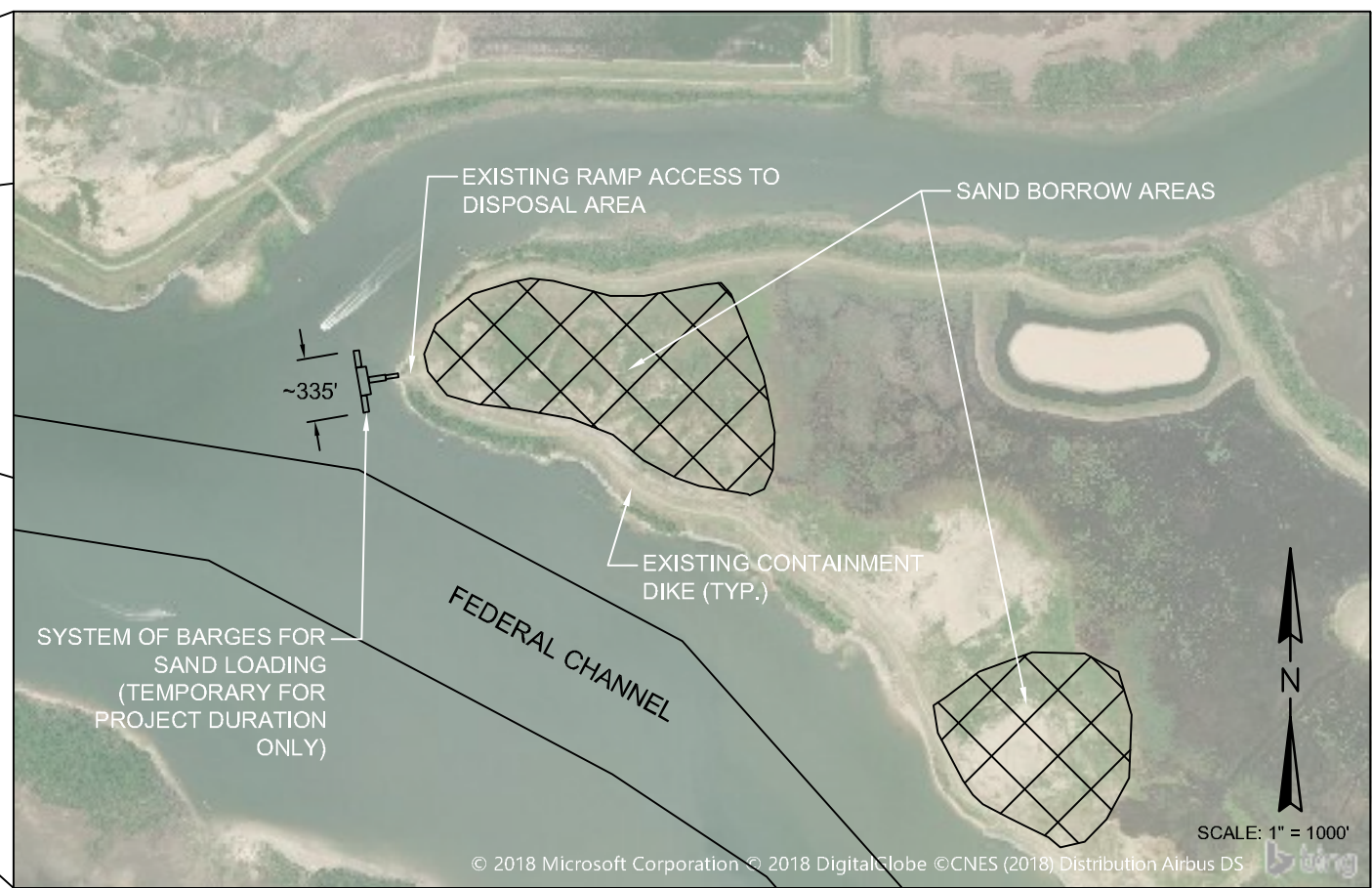
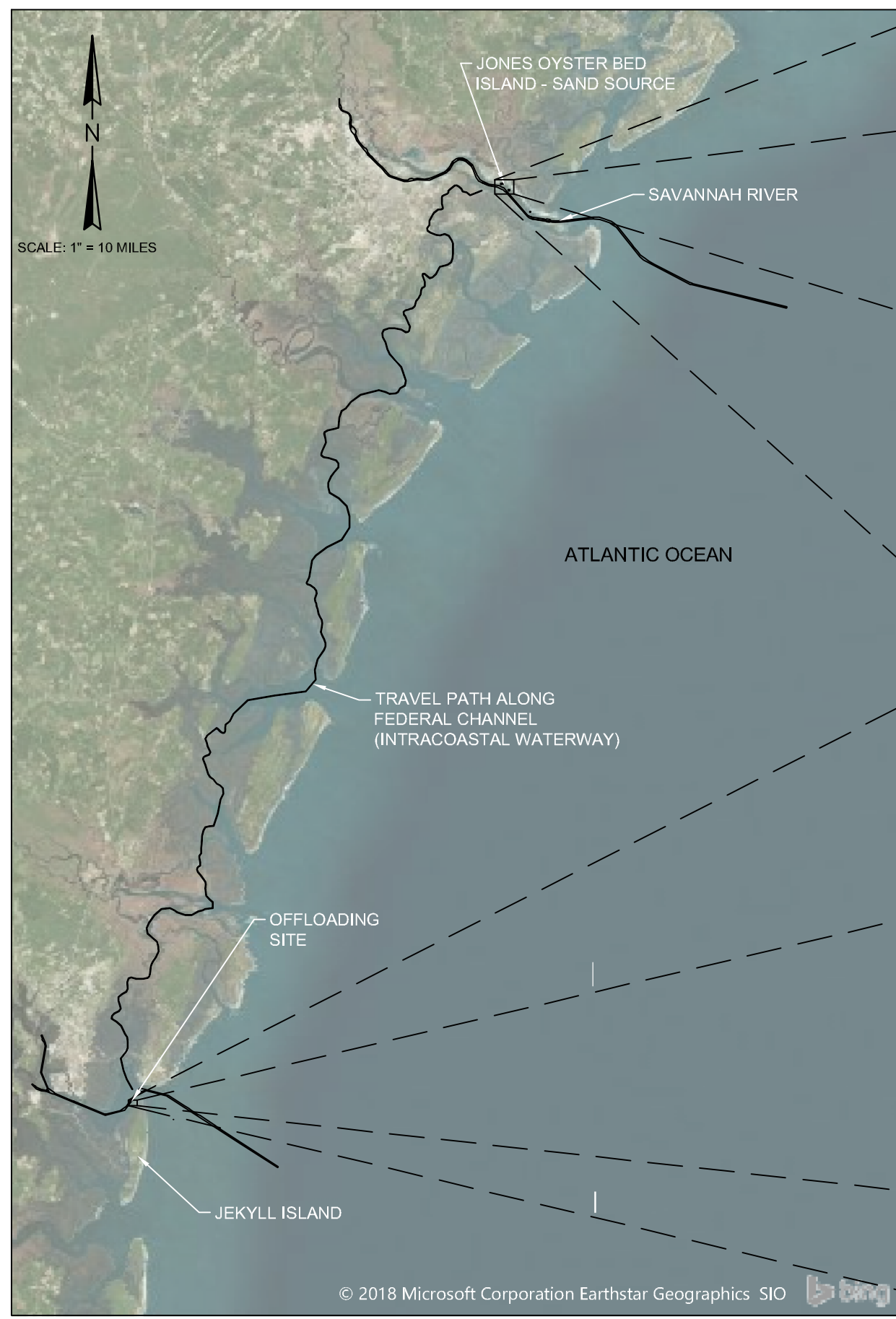
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DRAWN BY: MM	DATE: 8/21/2018
SHEET NO: 10	SCALE: SHOWN

REVISIONS

SITE PLAN
 STATION: 96+00 TO 107+00 (TRANSITIONAL SHORELINE)
 Project: Jekyll Island Phase 2 Shoreline Rehabilitation
 Owner: Jekyll Island Authority
 Project Address: Jekyll Island, Georgia



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PROPOSED SAND BORROW SITE & OFFLOADING SITE
 Project: Jekyll Island Phase 2 Shoreline Rehabilitation
 Owner: Jekyll Island Authority
 Project Address: Jekyll Island, Georgia

411 Pablo Avenue
 Jacksonville Beach, FL 32250
 904.249.8009
 GA COA #310384

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JEKYLL ISLAND SHORELINE REHABILITATION FILL VOLUME						
STATION	EASTING (FT)	NORTHING (FT)	AREA (SQ. FT.)	DISTANCE (FT)	VOLUME (CF)	VOLUME (CY)
-50+00	894,684	387,803	9.85			
				1,000	10575	392
-40+00	894,827	388,793	11.3			
				1,000	14950	554
-30+00	894,971	389,783	18.6			
				1,000	21400	793
-20+00	895,114	390,772	24.2			
				2,100	50505	1,871
1+00	895,224	391,888	23.9			
				1,000	42200	1,563
11+00	895,291	392,886	60.5			
				1,000	117200	4,341
21+00	895,359	393,896	173.9			
				1,000	184600	6,837
31+00	895,381	394,896	195.3			
				1,050	249165	9,228
41+50	895,385	395,896	279.3			
				950	302195	11,192
51+00	895,298	396,893	356.9			
				1,050	342247.5	12,676
61+50	895,214	397,888	295			
				1,000	292150	10,820
71+50	895,131	398,885	289.3			
				1,000	282150	10,450
81+50	895,047	399,881	275			
				950	443650	16,431
91+00	894,939	400,860	659			
				1,000	841650	31,172
101+00	894,797	401,830	1024.3			
				400	420540	15,576
105+00	894,646	402,200	1078.4			
				200	107840	3,994
107+00	894,710	402,423	0			
TOTAL				15,700	3,723,018	137,890

SUMMARY OF PROJECT QUANTITIES LANDWARD OF REHABILITATED REVETMENT		
ITEM	QUANTITY	UNIT
PROJECT LENGTH	15,000	LINEAR FEET
PROJECT FOOTPRINT	19.75	ACRES
VEGETATION FOOTPRINT	12.93	ACRES
BASLINE TERRACE BERM FILL VOLUME	100,000	CUBIC YARDS
ADDITIONAL DUNE FILL VOLUME	17,778	CUBIC YARDS
NEW DUNE CROSSOVER STRUCTURES	10	EACH

SUMMARY OF PROJECT QUANTITIES AT TRANSITIONAL SHORELINE		
ITEM	QUANTITY	UNIT
PROJECT LENGTH	1,000	LINEAR FEET
PROJECT FOOTPRINT	6.38	ACRES
VEGETATION FOOTPRINT	1.33	ACRES
REVETMENT RETURN SECTION	150	LINEAR FEET
GEOTUBE SCARP REINFORCEMENT	900	LINEAR FEET
BEACH FILL VOLUME	35,000	CUBIC YARDS
ADDITIONAL DUNE FILL VOLUME	1,185	CUBIC YARDS
NEW DUNE CROSSOVER STRUCTURE	1	EACH

NOTES:

1. QUANTITIES ARE ESTIMATES BASED ON CONDITIONS AT TIME OF SURVEY.
2. QUANTITIES AND CONDITIONS ARE EXPECTED TO VARY AT TIME OF CONSTRUCTION.

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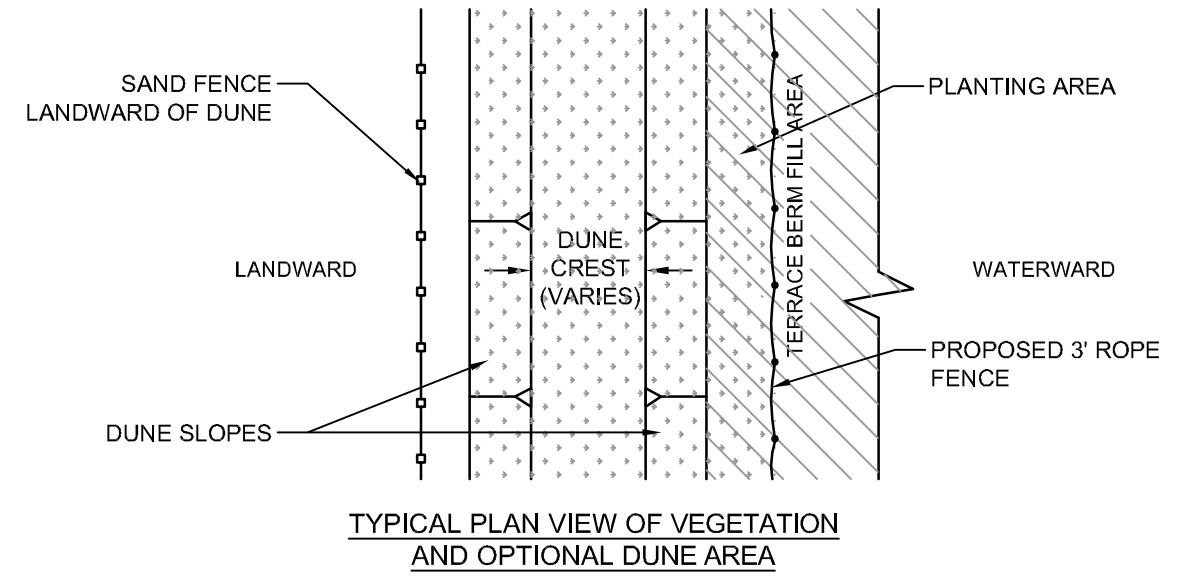
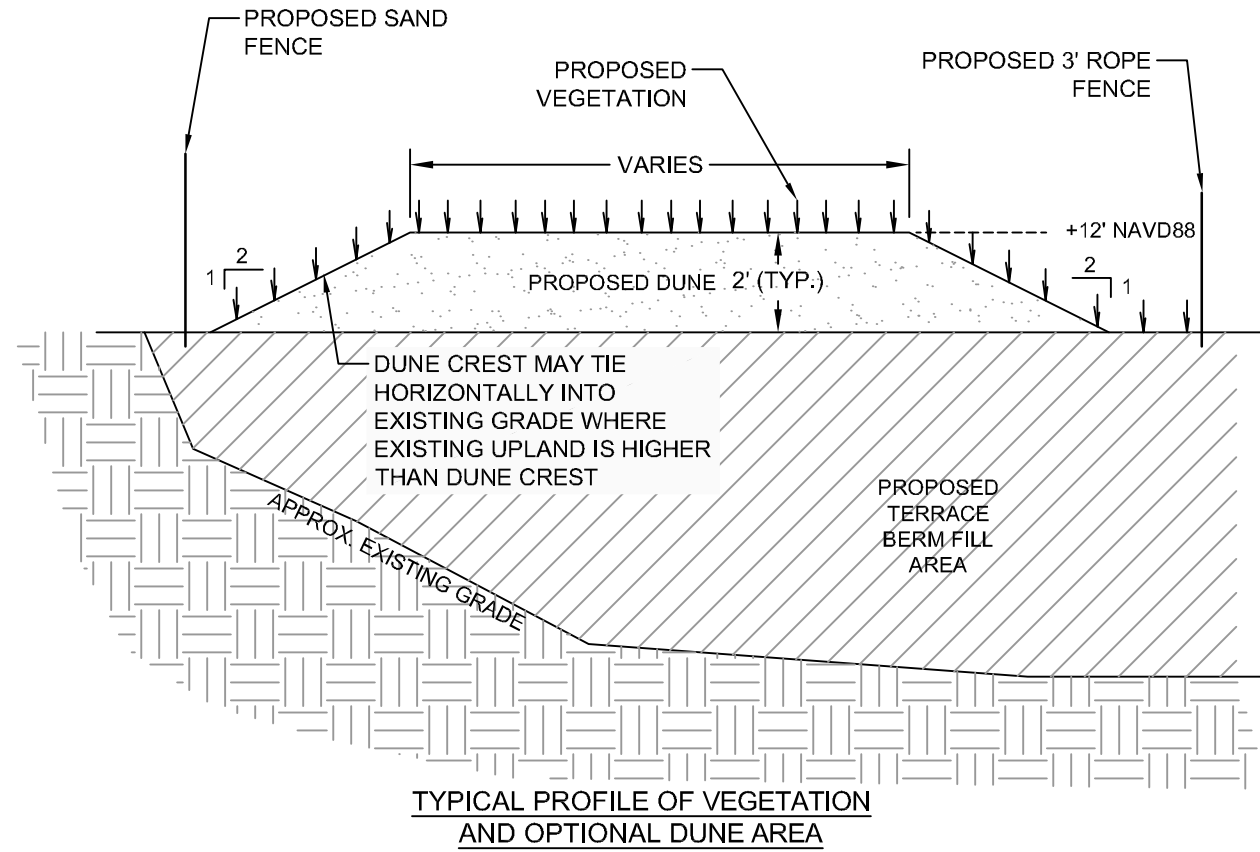
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JOB NO: 17-3113	DATE: 8/21/2018	SCALE: SHOWN

REVISIONS				

PHASE 2
PROJECT QUANTITIES
 Project: Jekyll Island Phase 2 Shoreline Rehabilitation
 Owner: Jekyll Island Authority
 Project Address: Jekyll Island, Georgia



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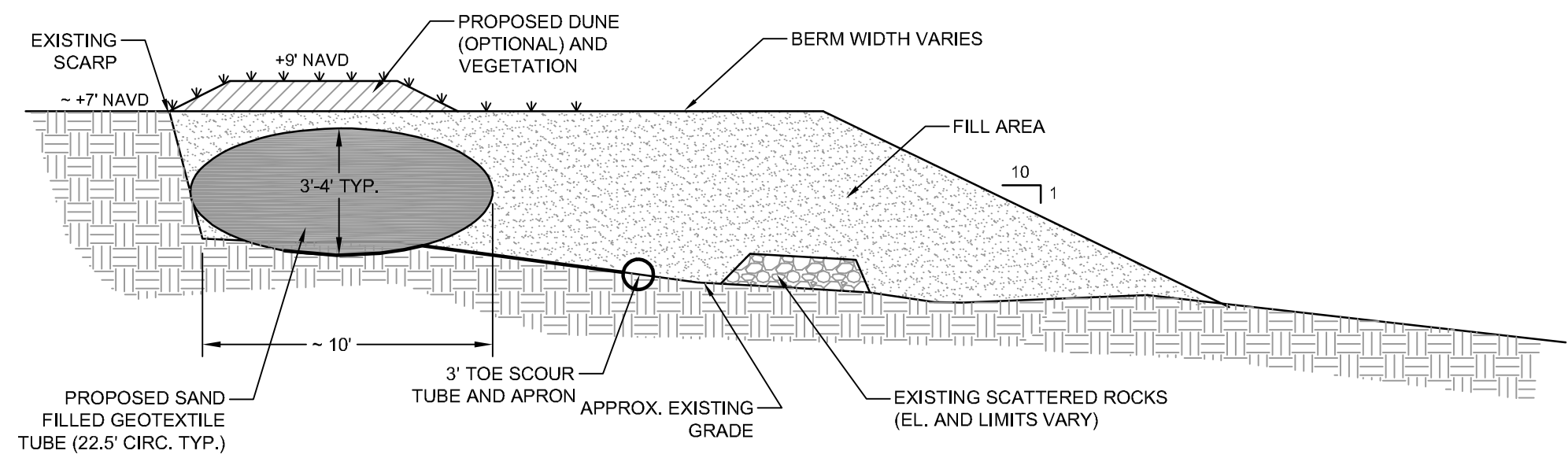
VEGETATION & DUNE DETAILS

Project: Jekyll Island Phase 2 Shoreline Rehabilitation

Owner: Jekyll Island Authority
 Project Address: Jekyll Island, Georgia

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**TYPICAL PROFILE OF GEOTUBE AT
 TRANSITIONAL SHORELINE**
 NTS

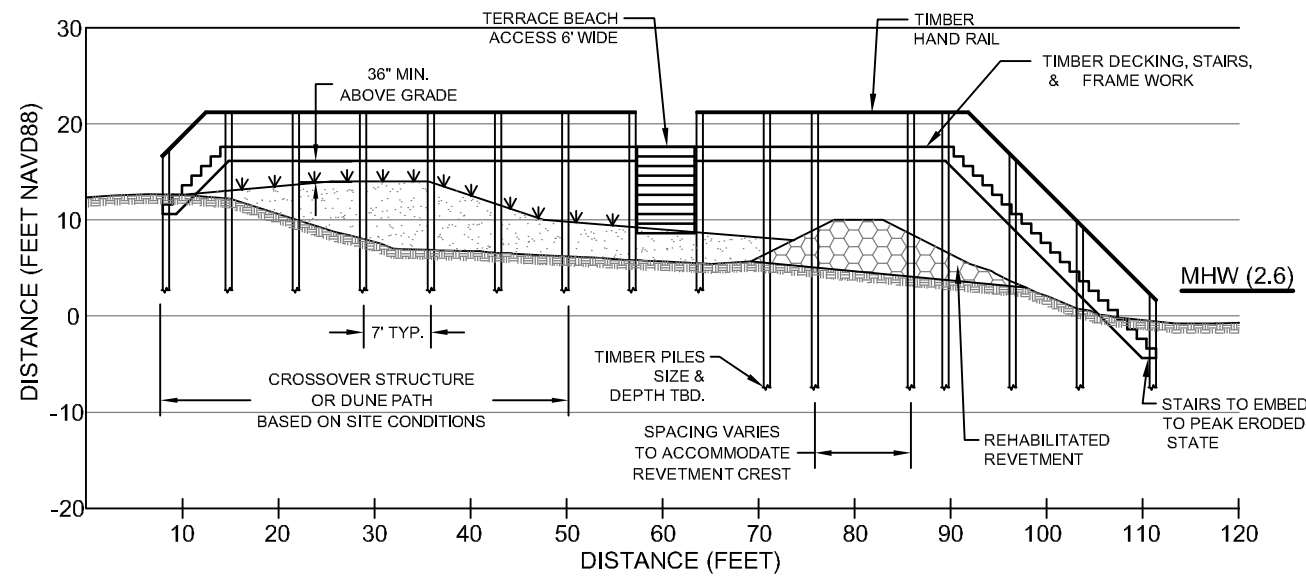
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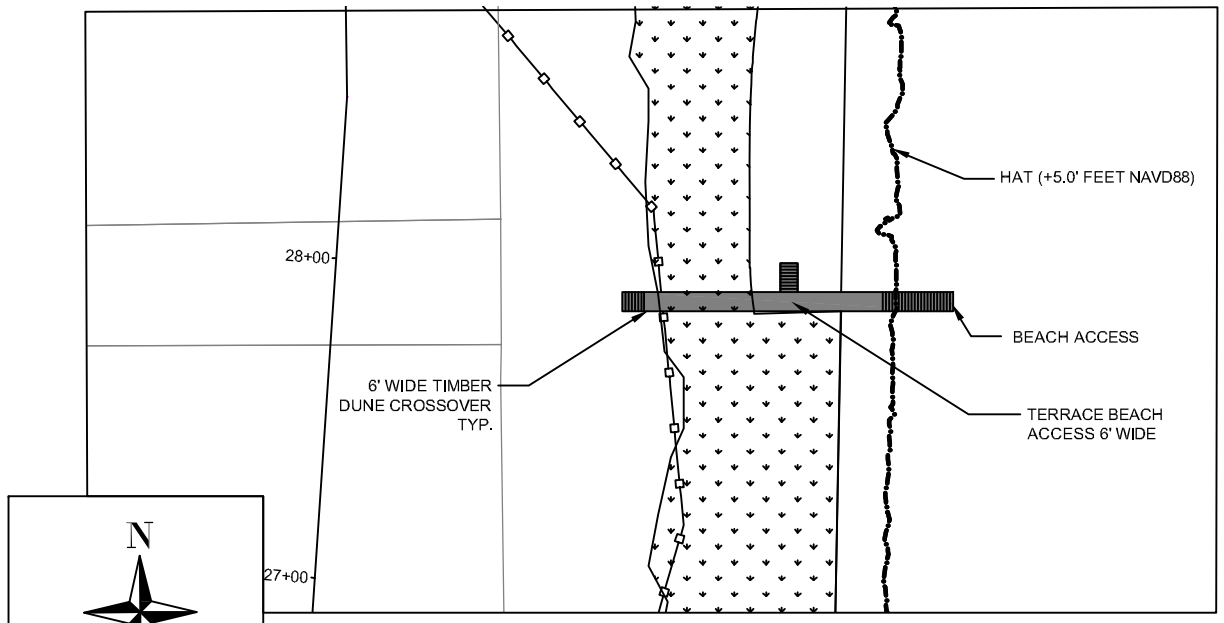
**TRANSITIONAL SHORELINE
 DETAILS**
 Project: Jekyll Island Phase 2 Shoreline Rehabilitation
 Owner: Jekyll Island Authority
 Project Address: Jekyll Island, Georgia

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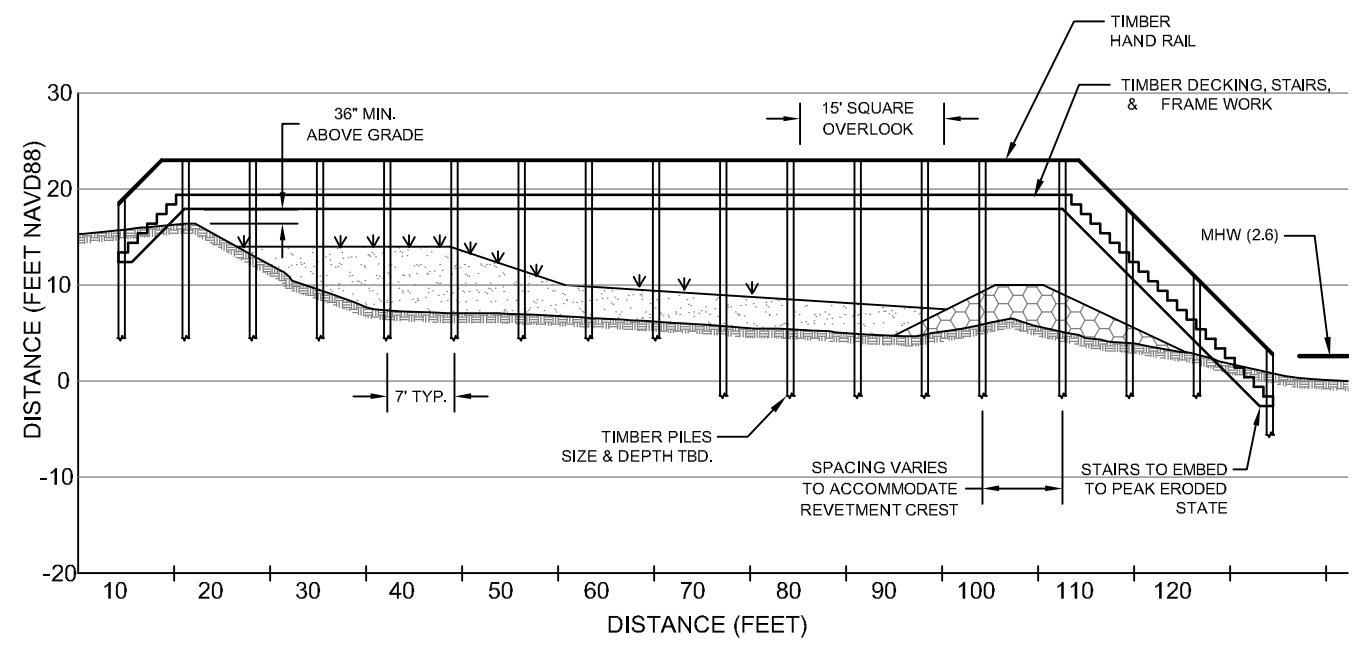
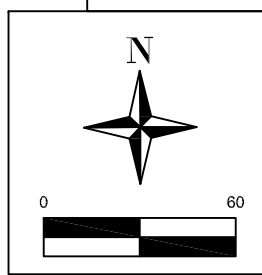
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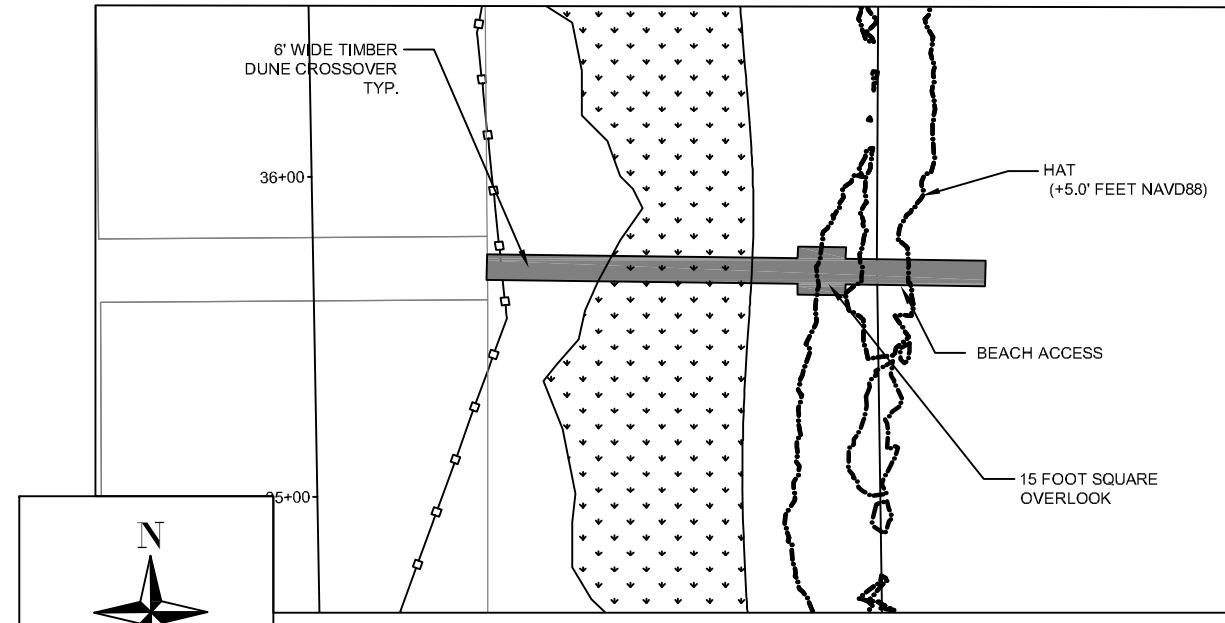
TYPICAL DUNE CROSSOVER PROFILE
(@ ALBRIGHT LANE)



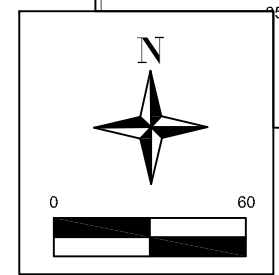
TYPICAL DUNE CROSSOVER PLAN VIEW



TYPICAL DUNE CROSSOVER WITH OVERLOOK
PROFILE (@ AUSTIN LANE)



TYPICAL DUNE CROSSOVER WITH OVERLOOK
PLAN VIEW



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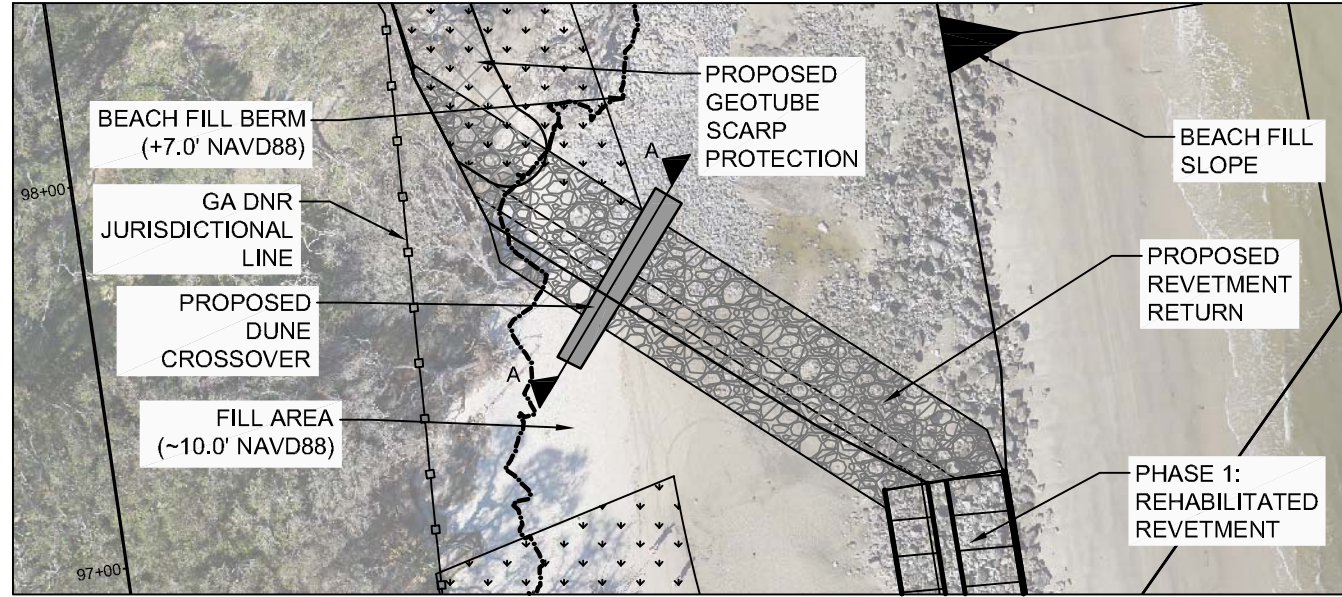
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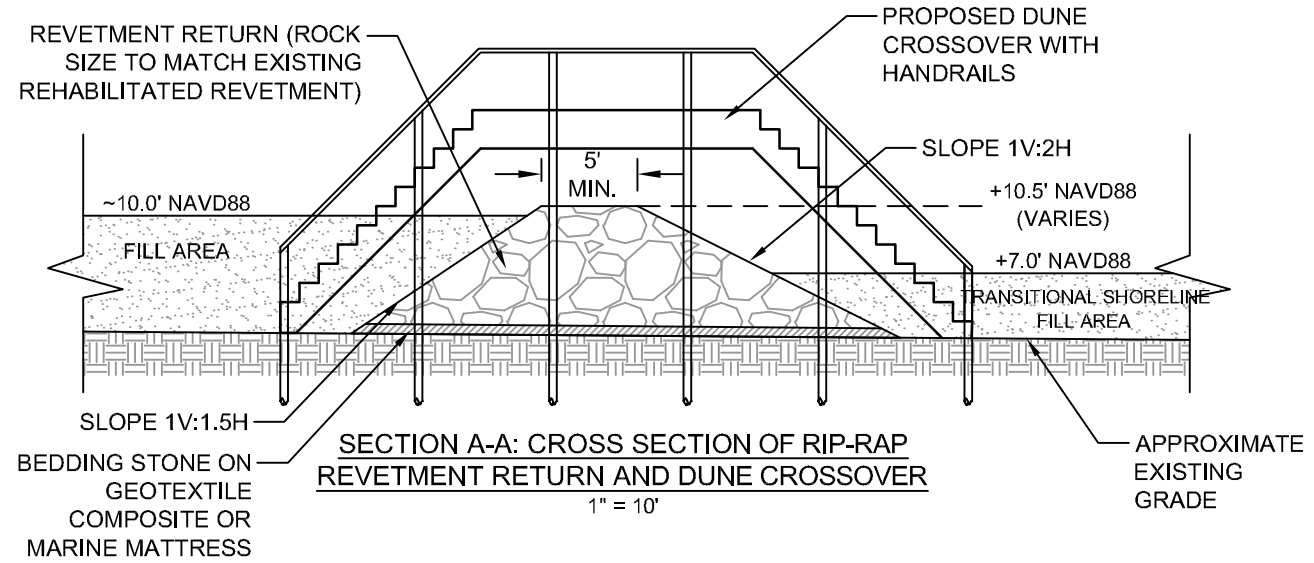
DUNE CROSSOVERS
 DETAILS
 Project: Jekyll Island Phase 2 Shoreline Rehabilitation
 Owner: Jekyll Island Authority
 Project Address: Jekyll Island, Georgia



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**PLAN VIEW OF RIP-RAP
 REVETMENT RETURN**
 1" = 50'



**SECTION A-A: CROSS SECTION OF RIP-RAP
 REVETMENT RETURN AND DUNE CROSSOVER**
 1" = 10'

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REVISIONS

**REVIETMENT RETURN
 SECTION DETAILS**
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