

CONSTRUCTION PLANS

City of Mexico Beach

Beach Restoration Project

Bay County Tourist Development Council
 17001 Panama City Beach Parkway, Panama City Beach, Florida, 32413



OWNER CONTACT INFORMATION

Bay County Tourist Development Council
 17001 Panama City Beach Parkway
 Panama City Beach, Florida, 32413

ENGINEER CONTACT INFORMATION

Michael Dombrowski, P.E.
 MRD Associates, Inc.
 543 Harbor Boulevard, Suite 204
 Destin, Florida 32541
 850.654.1555
 Email: MDombrowski@coastalprotectioneng.com

PROJECT LOCATION

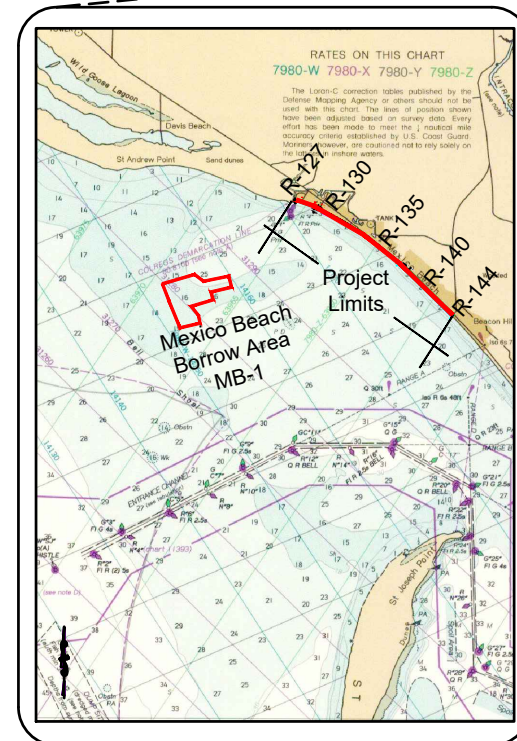
Bay County, Florida
 Section 22, 23&25, Township 06SS, Range 12W

Latitude/Longitude
 29°56'44.31"N/85°25'1.16"W to 29°56'5.18"/85°24'1.38"W

DEP Monuments: R-127 to R-144

PROJECT DESCRIPTION

This project is located along the Gulf of Mexico shoreline within the limits of the City Mexico Beach, Bay County, Florida. The project generally consists of the construction of a beach nourishment project between DEP Reference Monuments R-127 and R-144 (16,000 feet; 3.0 miles). This project consists of the placement of clean, white, beach compatible sand totaling 920,000 Cubic Yards from the offshore borrow area titled "Mexico Beach Borrow Area MB-1" along with the installation of approximately 618,000 Native Dune Plants.



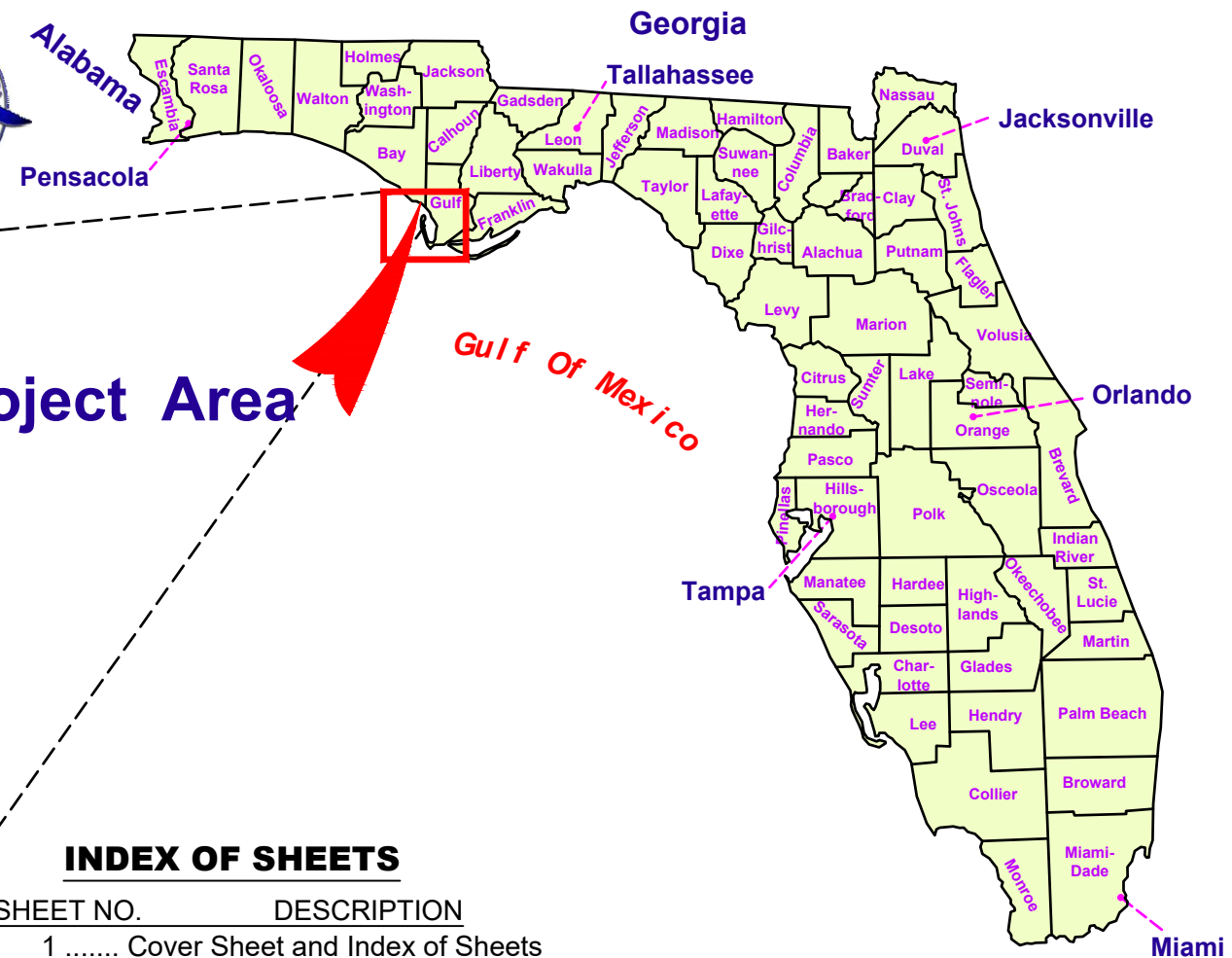
LOCATION MAP

SCALE: 1 inch = 3 miles

Project Area

INDEX OF SHEETS

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4 DEP Monuments R-130 to R-131 and Cross Sections
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17 Safe Anchorage Locations
18 Typical Veg & Access Details



Location Map
 N.T.S.

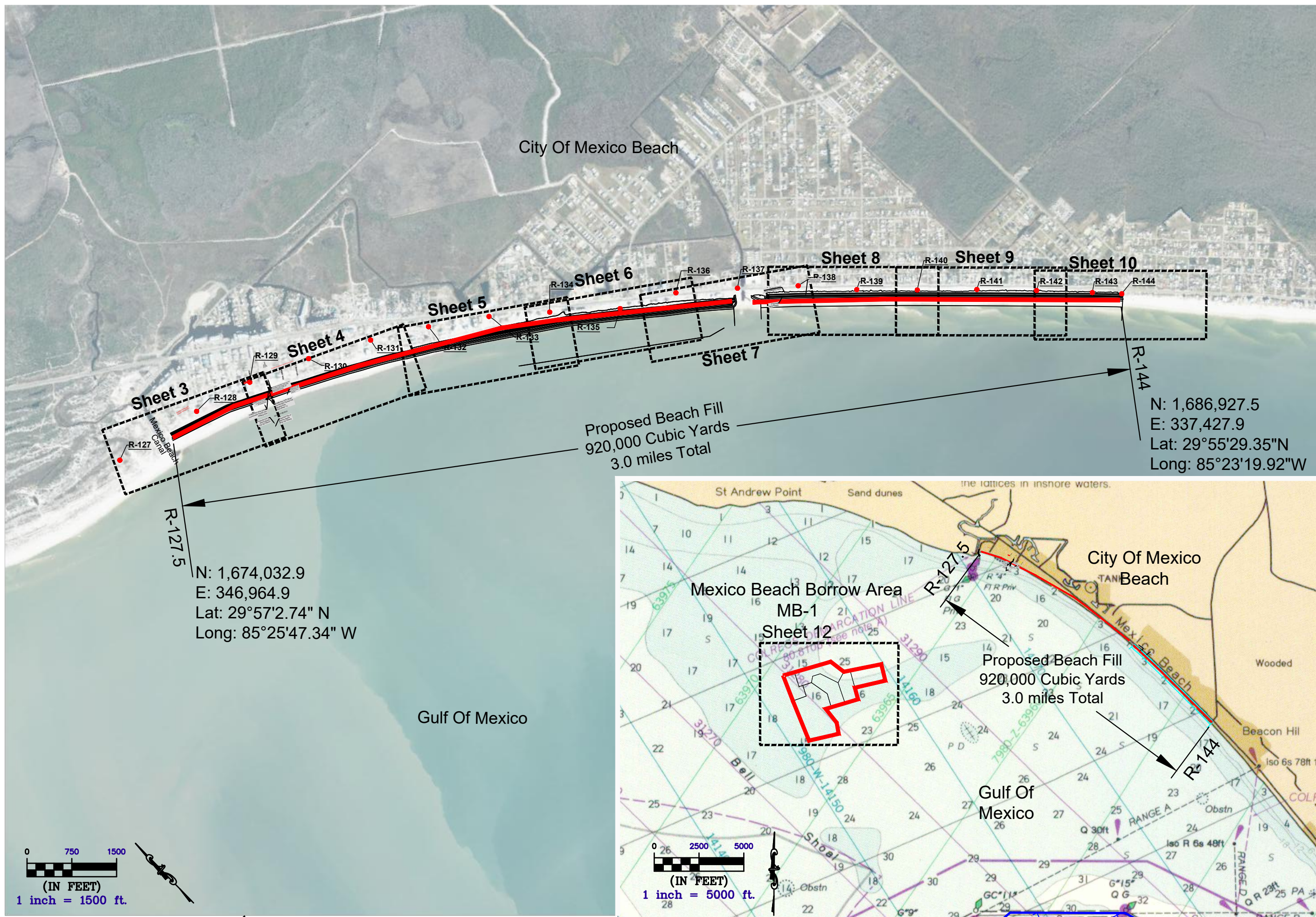
543 Harbor Boulevard, Suite 204
 Destin, Florida 32541
 (FL) Certification of Authorization Number 9482
 850.654.1555 (voice) • 850.654.0550 (fax)
 www.mrd-associates.com



NOTES:
 • Drawings are not valid for construction without being signed and sealed.

COVER SHEET AND LOCATION MAP
 City of Mexico Beach, FL - Beach Restoration Project
 Bay County Tourist Development Council
 17001 Panama City Beach Parkway, Panama City Beach, Florida 32413

DESIGNED BY: MRD	
DATE: May 1, 2024	
REV DATE: July 24, 2024	
REV #:	DRAWN: JPM
REVIEWED: MRD	
PROJECT NUMBER: 19-139	
SHEET NUMBER: 1	



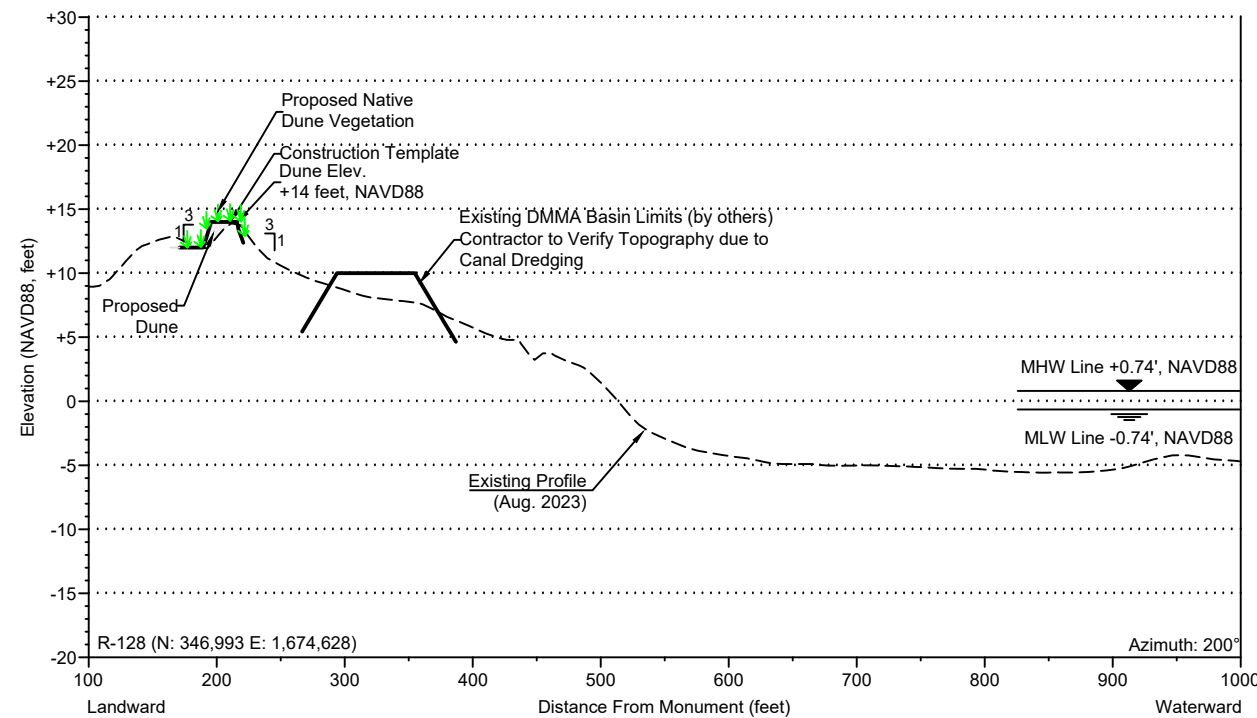
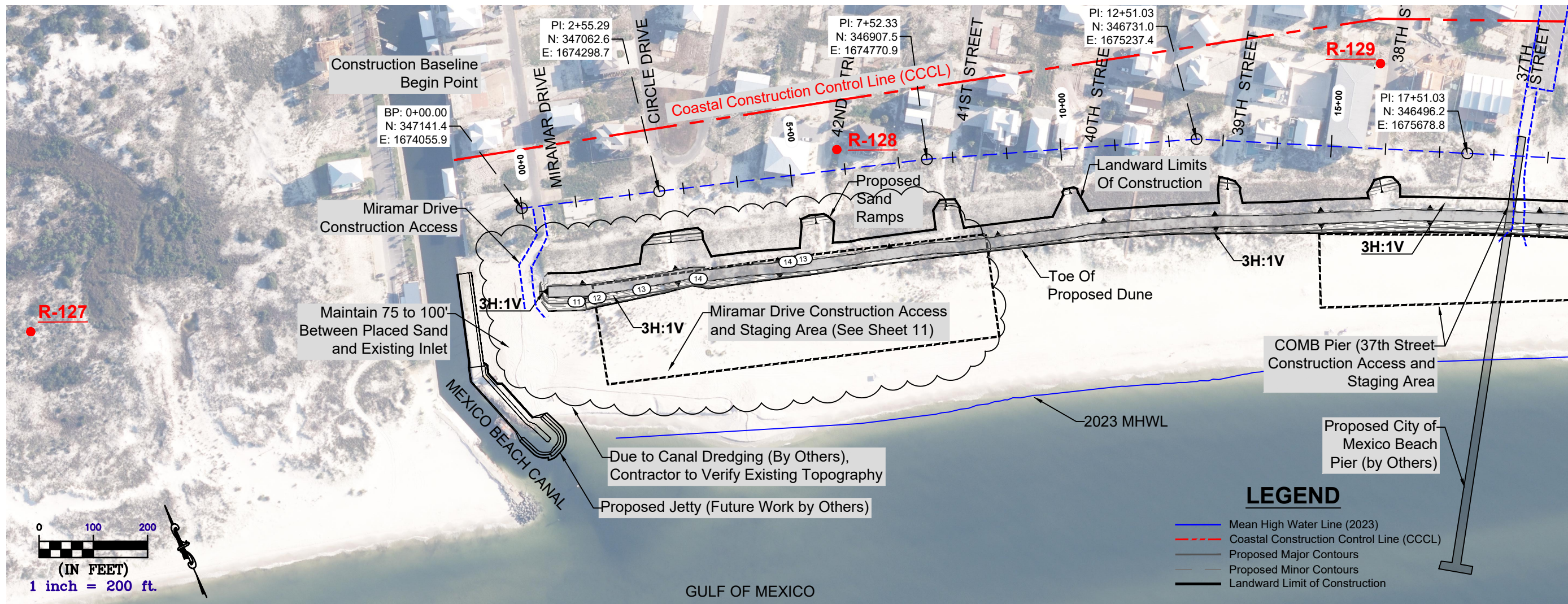
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NOTES:
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• Drawing is referenced to Florida State Plane, North Zone, NAD83.
• Depths on NOAA chart referenced to Feet, MLLW. Wet Flycote is unknown. The location of all objects in the photograph are approximate and may not represent currently existing conditions.

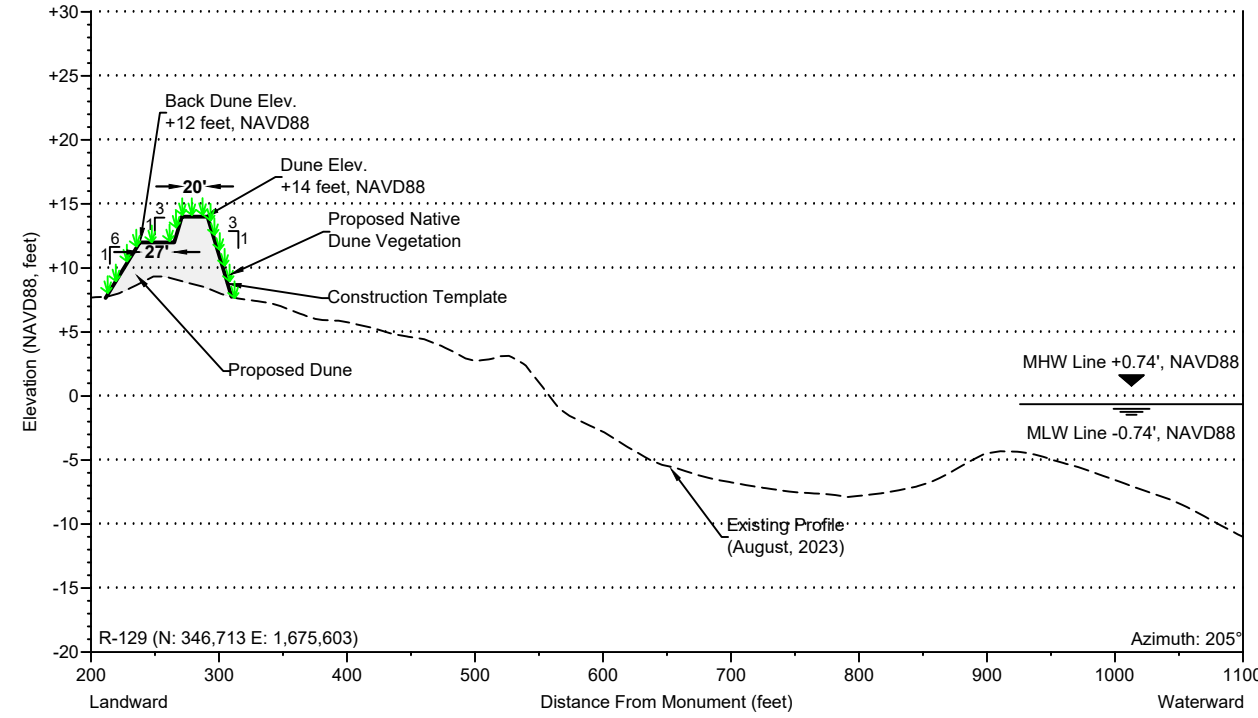
INDEX OF SHEETS
City of Mexico Beach, FL - Beach Restoration Project
Bay County Tourist Development Council
Panama City Beach, Florida 32413
17001 Panama City Beach Parkway, Panama City Beach, Florida 32413

DESIGNED BY	mrd
DATE:	May 1, 2024
REV DATE:	
REV #:	DRAWN: JPM
REVIEWED: MRD	
PROJECT NUMBER:	19-139
SHEET NUMBER:	2



DEP R-128 CROSS SECTION (Azimuth 200°)

VERTICAL SCALE: 1" = 15'
HORIZONTAL SCALE: 1" = 150'
CONSTRUCTION VOLUME: 0.7 yds³/lf



DEP R-129 CROSS SECTION (Azimuth 205°)

VERTICAL SCALE: 1" = 15'
HORIZONTAL SCALE: 1" = 150'
CONSTRUCTION VOLUME: 11.2 yds³/lf

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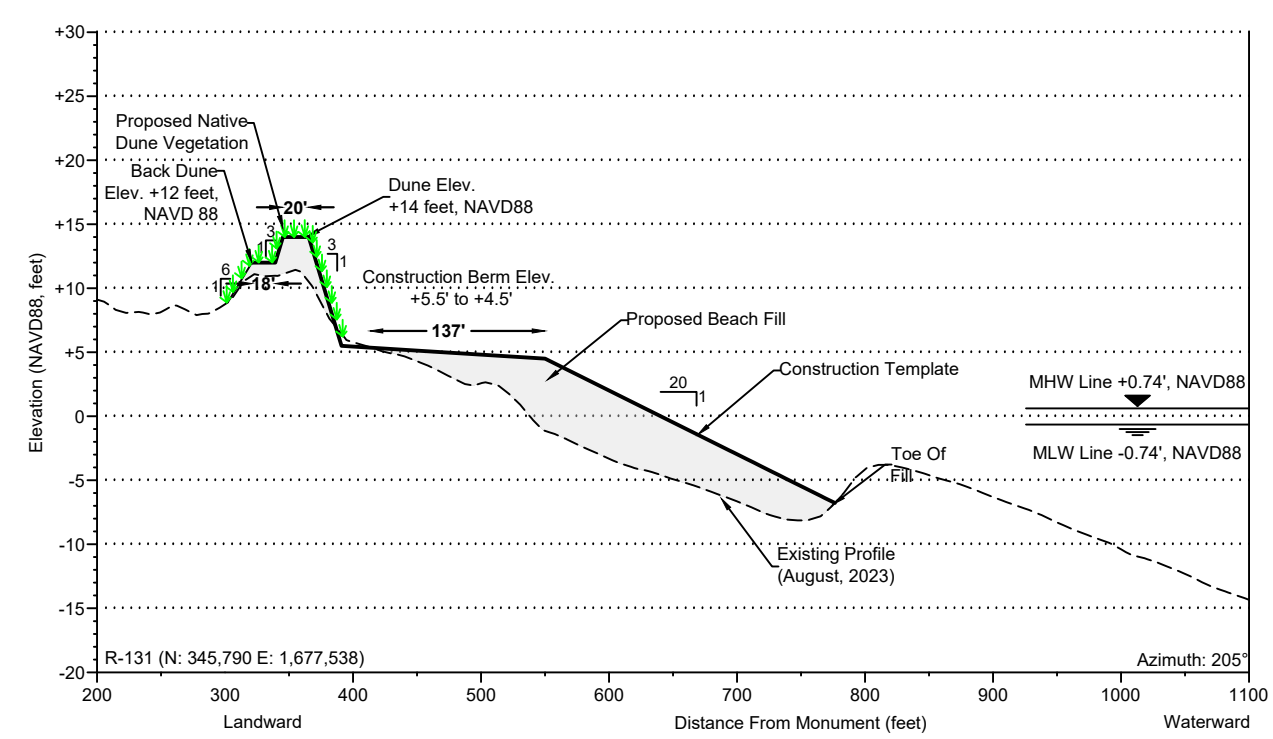
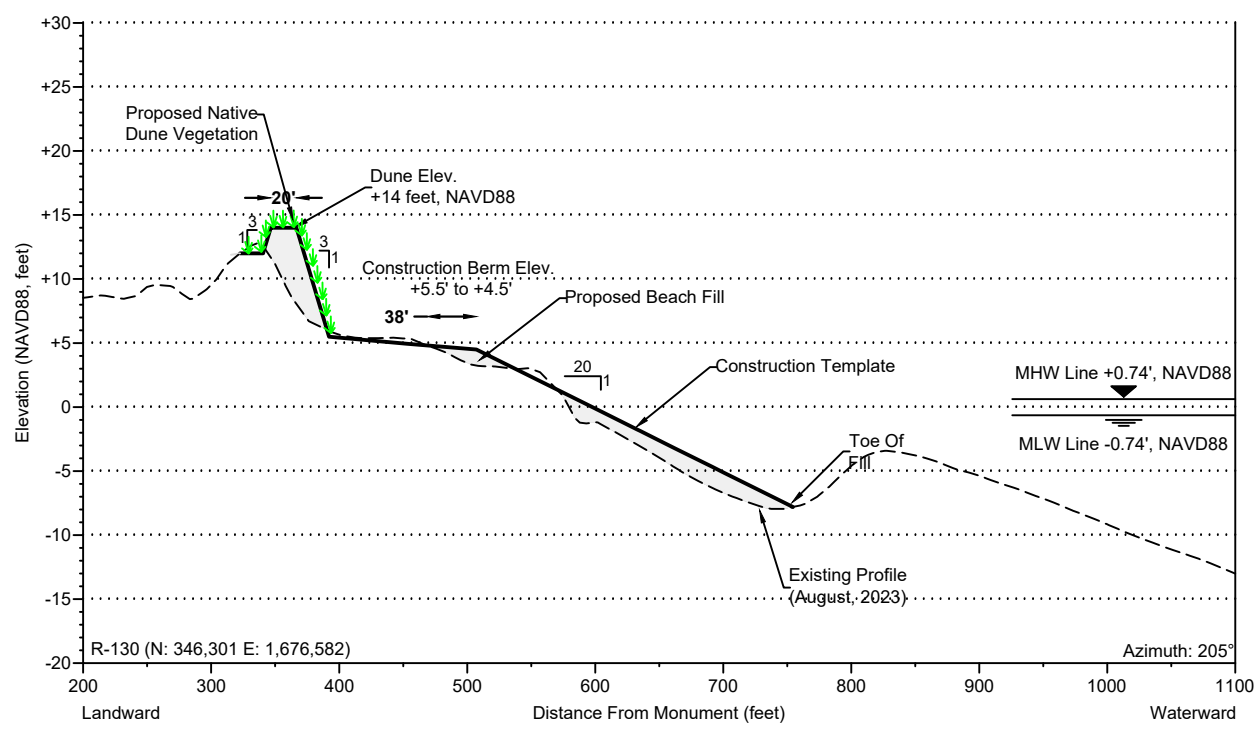
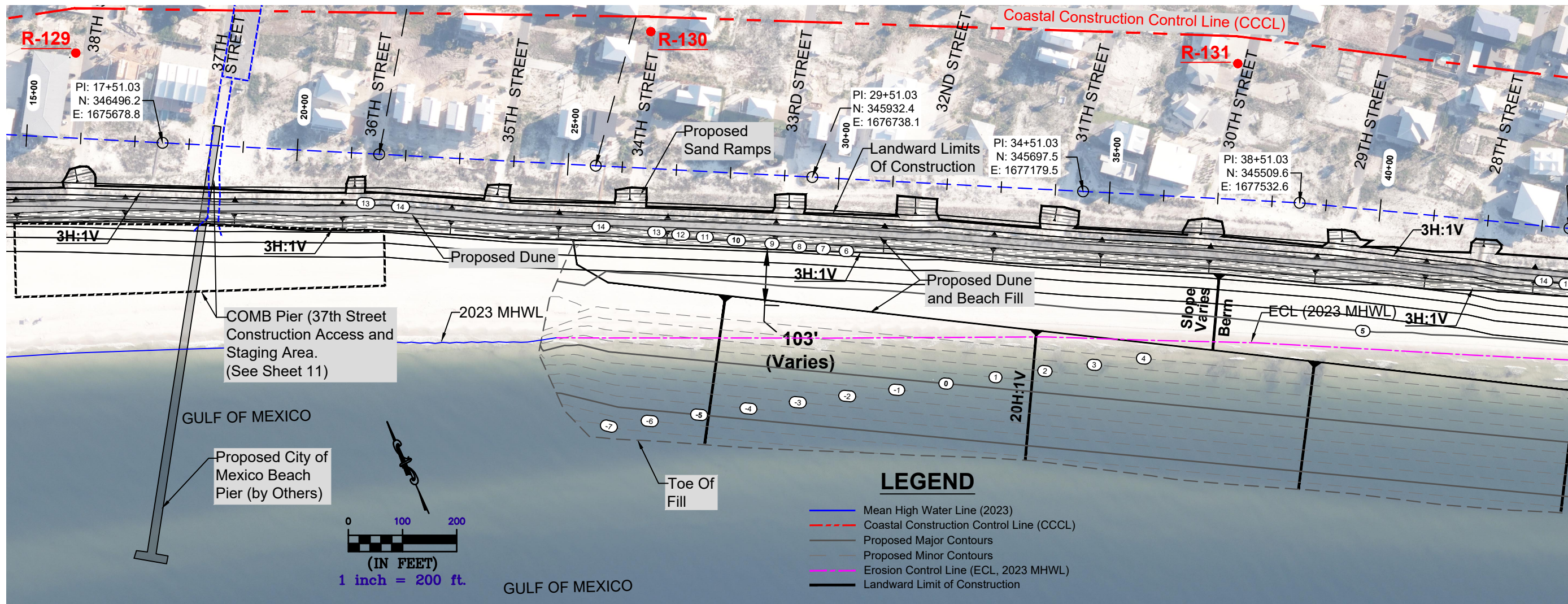
NOTES:

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- Drawing is referenced to Florida State Plane, North Zone, NAD83.
- Elevations are referenced to NAVD88. (Revised on August 18, 2023. The location of all objects in the photograph are approximate and may not represent currently existing conditions.)
- Survey conducted by Dewberry Engineers, Inc. August, 2023.
- Prior to construction, the selected Contractor will be responsible for removing all existing sand fencing within the project footprint.

R-128 to R-129
City of Mexico Beach, FL - Beach Restoration Project

Bay County Tourist Development Council
17001 Panama City Beach Parkway, Panama City Beach, Florida 32413

DESIGNED BY: **mrd**
DATE: May 1, 2024
REV DATE: JULY 24, 2024
REV #: DRAWN: JPM
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19-139
SHEET NUMBER:
3



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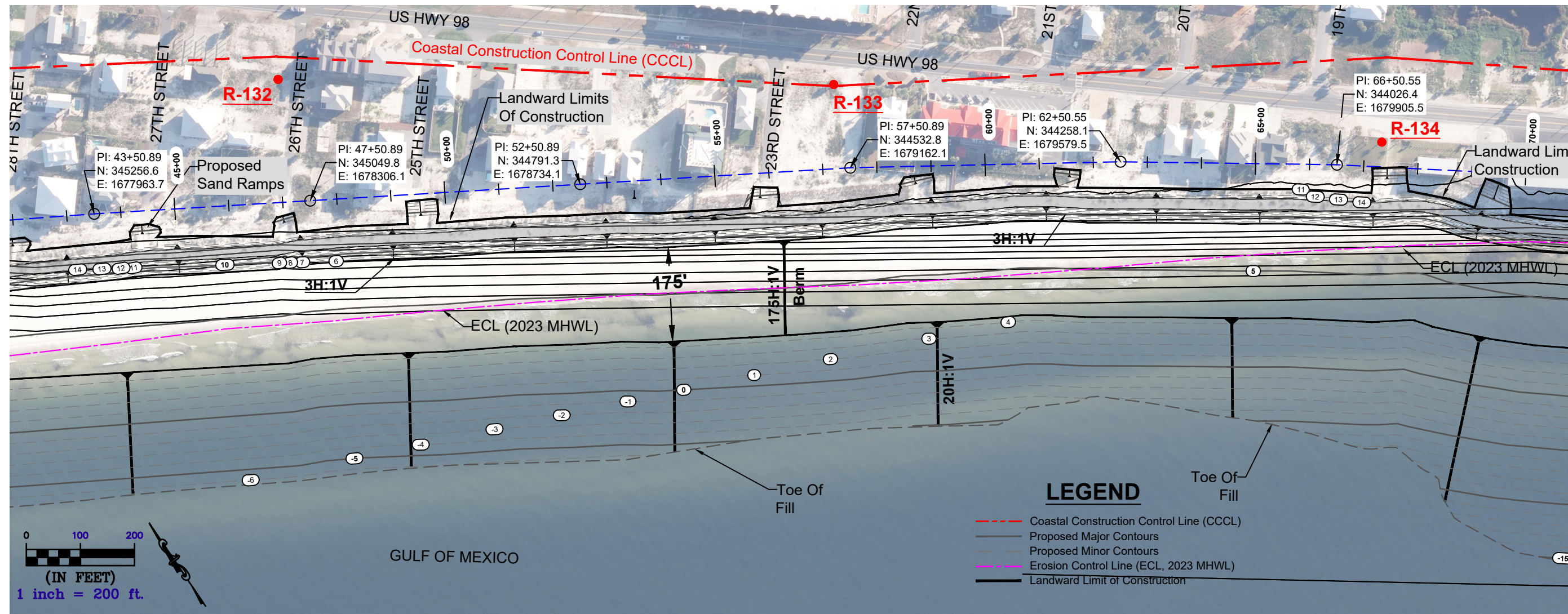
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R-130 to R-131
City of Mexico Beach, FL - Beach Restoration Project

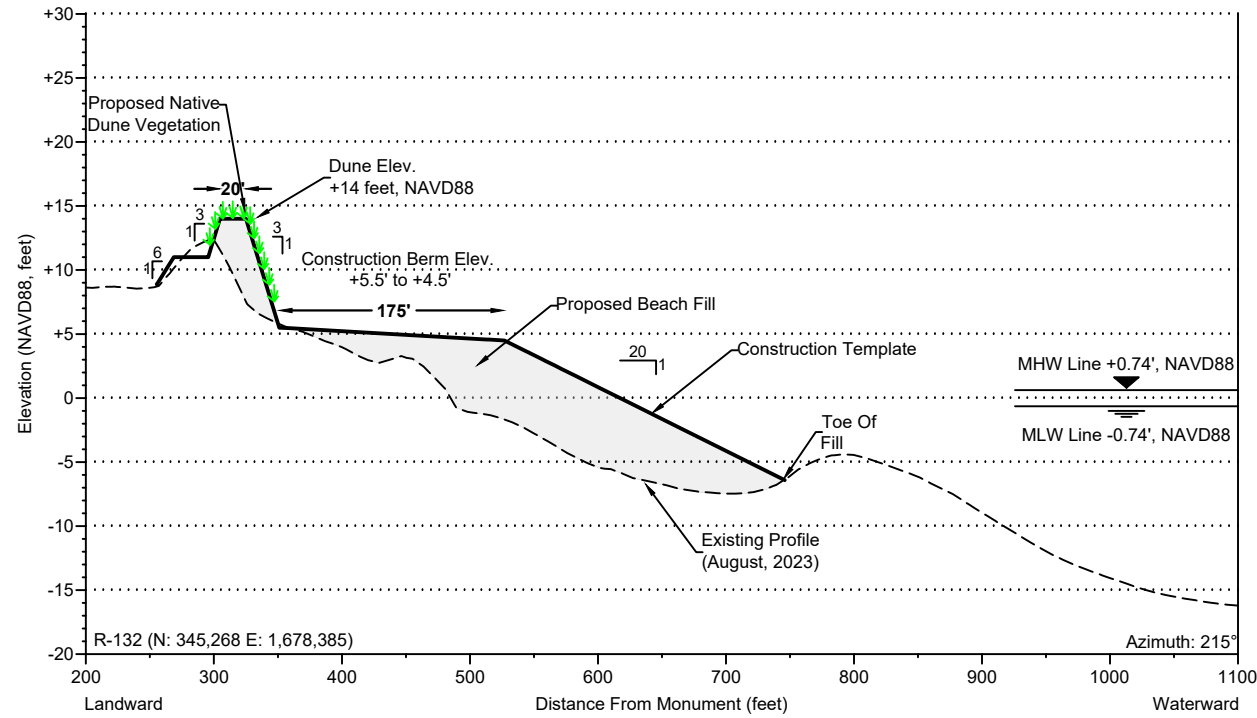
Bay County Tourist Development Council
 17001 Panama City Beach Parkway, Panama City Beach, Florida 32413

DESIGNED BY: **mrd**
 DATE: May 1, 2024
 REV DATE: July 24, 2024
 REV #: DRAWN: JPM
 REVIEWED: MRD
 PROJECT NUMBER:
19-139
 SHEET NUMBER:
4



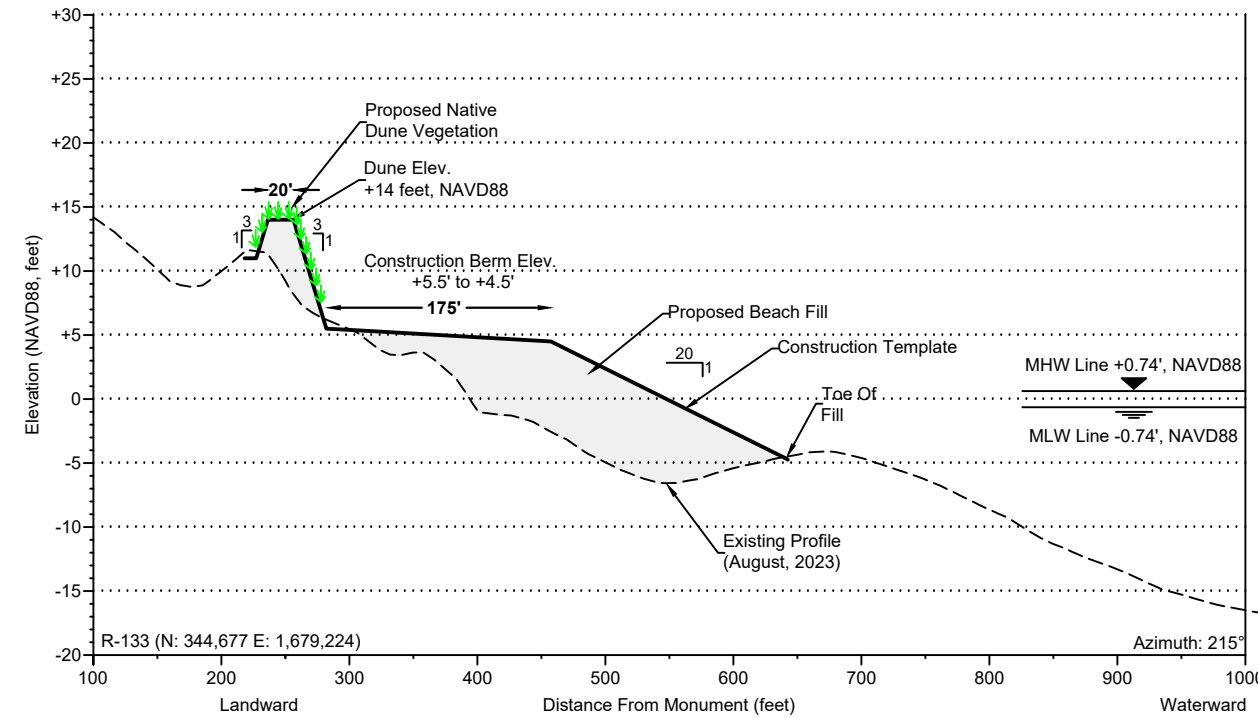
LEGEND

- Coastal Construction Control Line (CCCL)
- Proposed Major Contours
- Proposed Minor Contours
- Erosion Control Line (ECL, 2023 MHWL)
- Landward Limit of Construction



DEP R-132 CROSS SECTION (Azimuth 215°)

VERTICAL SCALE: 1" = 15'
 HORIZONTAL SCALE: 1" = 150'
 CONSTRUCTION VOLUME: 62.4 yds³/lf



DEP R-133 CROSS SECTION (Azimuth 215°)

VERTICAL SCALE: 1" = 15'
 HORIZONTAL SCALE: 1" = 150'
 CONSTRUCTION VOLUME: 62.1 yds³/lf

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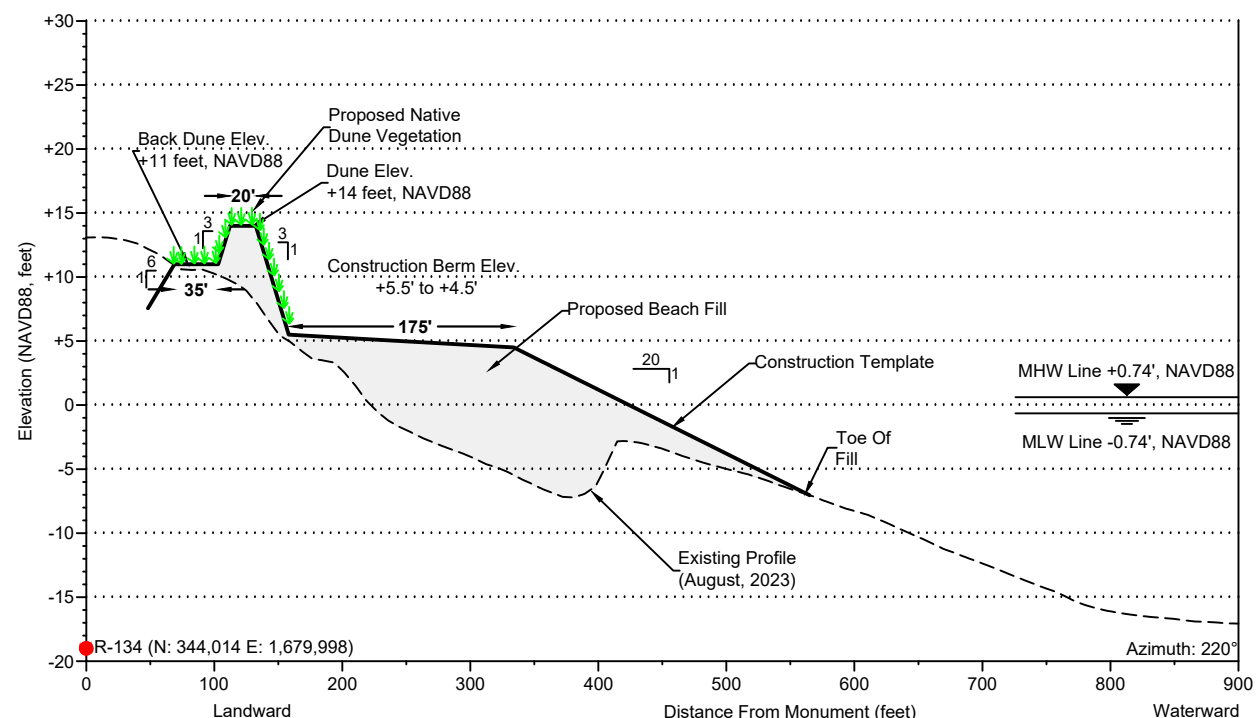
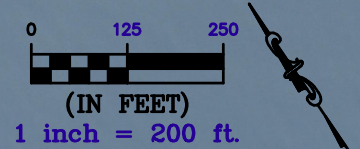
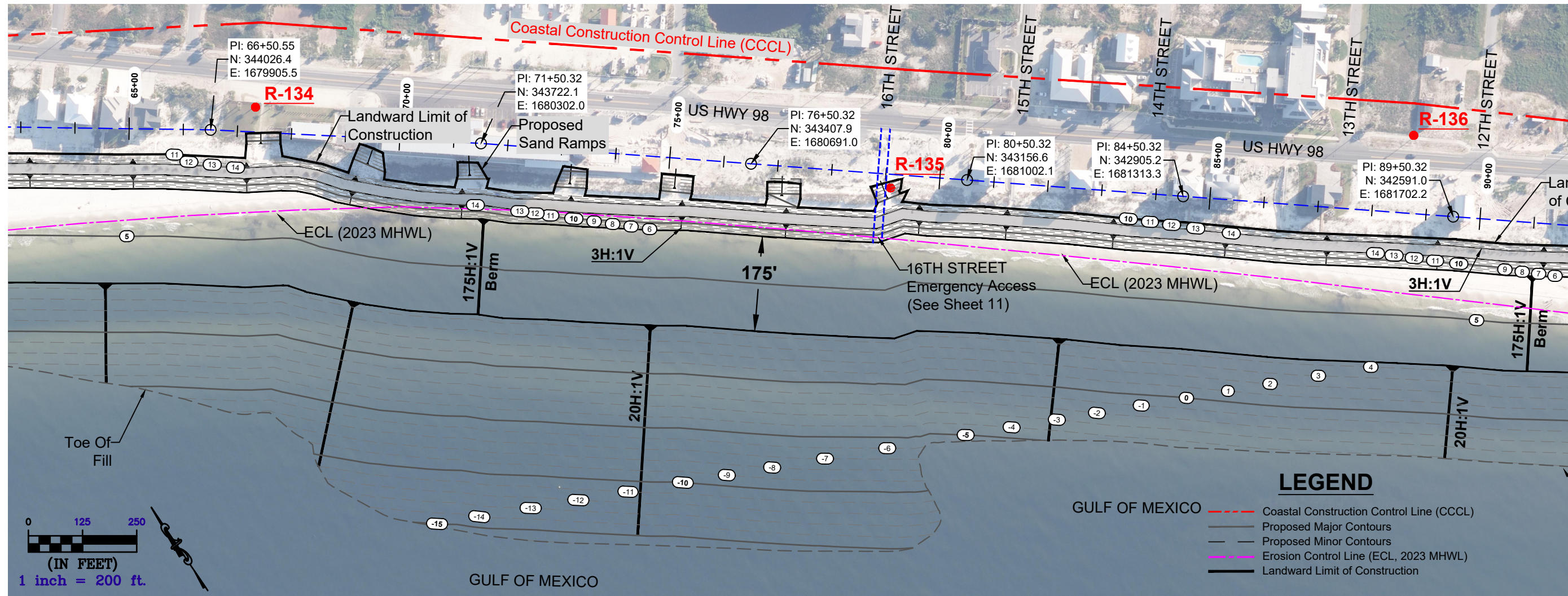


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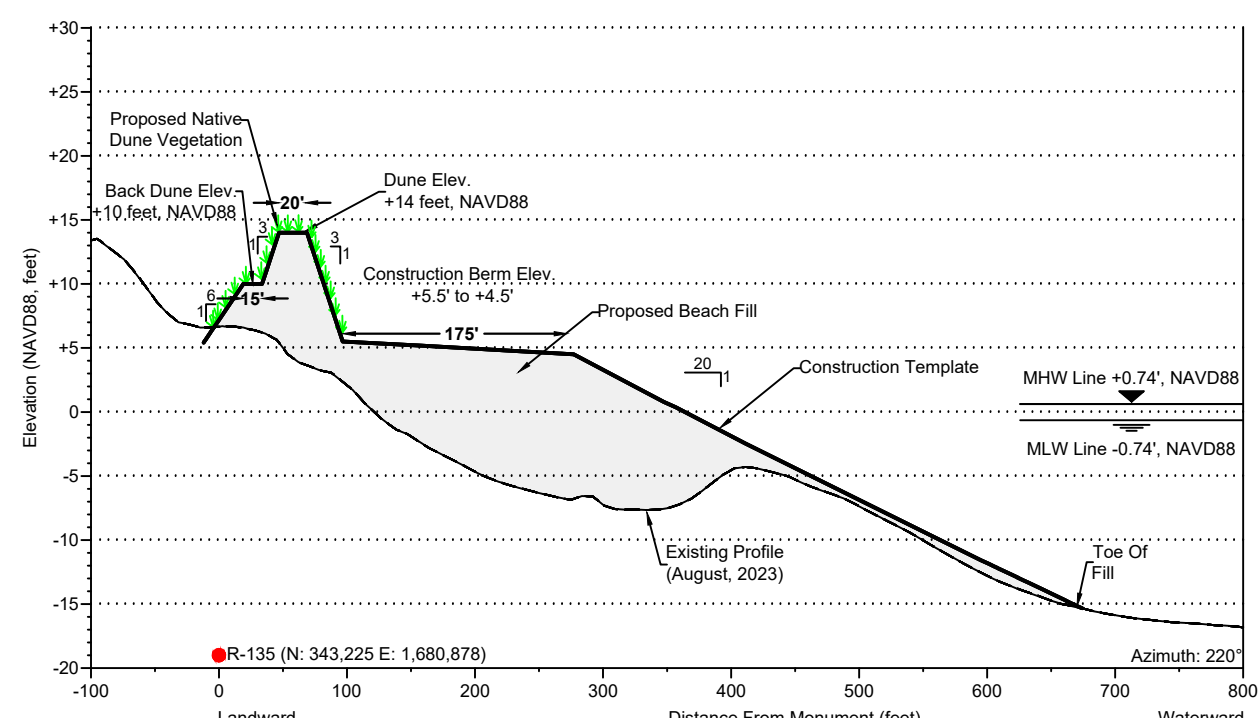
R-132 to R-133
City of Mexico Beach, FL - Beach Restoration Project
 Bay County Tourist Development Council
 17001 Panama City Beach Parkway, Panama City Beach, Florida 32413

DESIGNED BY: mrd	
DATE: May 1, 2024	
REV DATE:	
REV #:	DRAWN: JPM
REVIEWED: MRD	
PROJECT NUMBER: 19-139	
SHEET NUMBER: 5	



DEP R-134 CROSS SECTION (Azimuth 220°)

VERTICAL SCALE: 1" = 15'
HORIZONTAL SCALE: 1" = 150'
CONSTRUCTION VOLUME: 80.6 yds³/lf



DEP R-135 CROSS SECTION (Azimuth 220°)

VERTICAL SCALE: 1" = 15'
HORIZONTAL SCALE: 1" = 150'
CONSTRUCTION VOLUME: 123.3 yds³/lf

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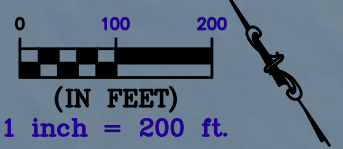
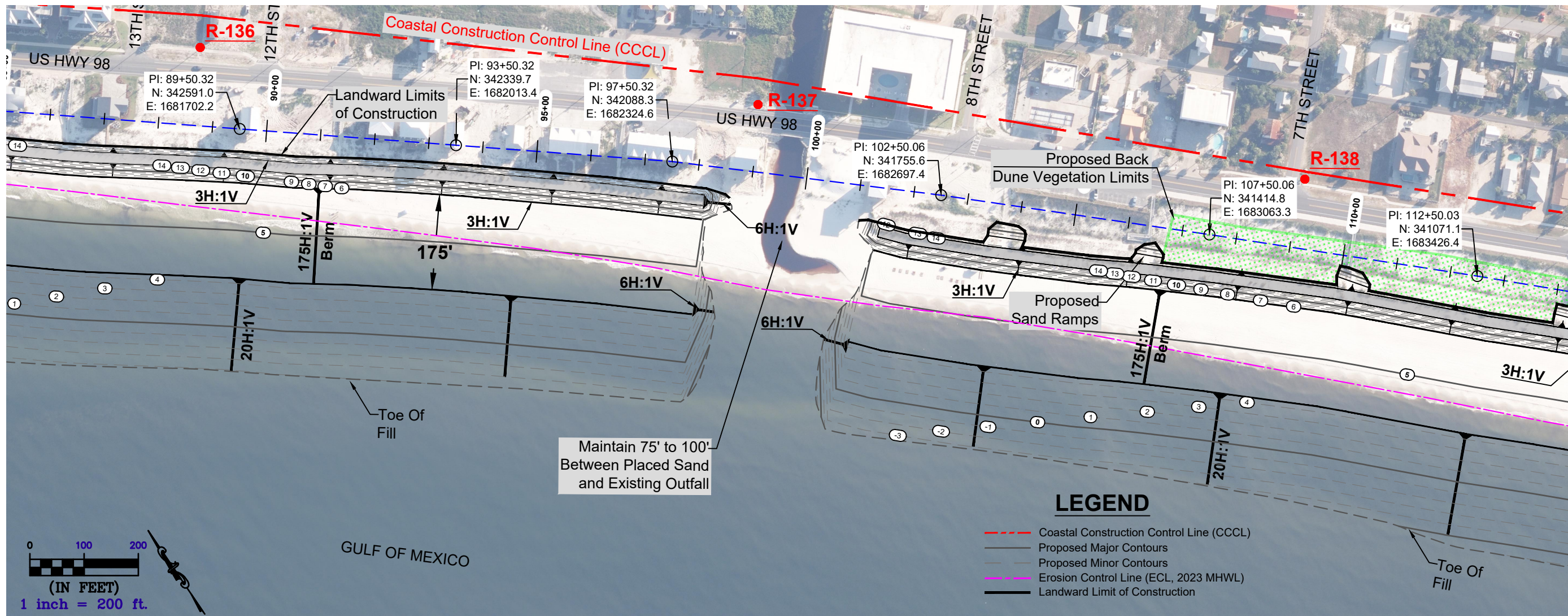
NOTES:

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- Drawing is referenced to Florida State Plane, North Zone, NAD83.
- Elevations are referenced to NAVD88. (Plots on August 18, 2023. The location of all objects in the photograph are approximate and may not represent currently existing conditions.
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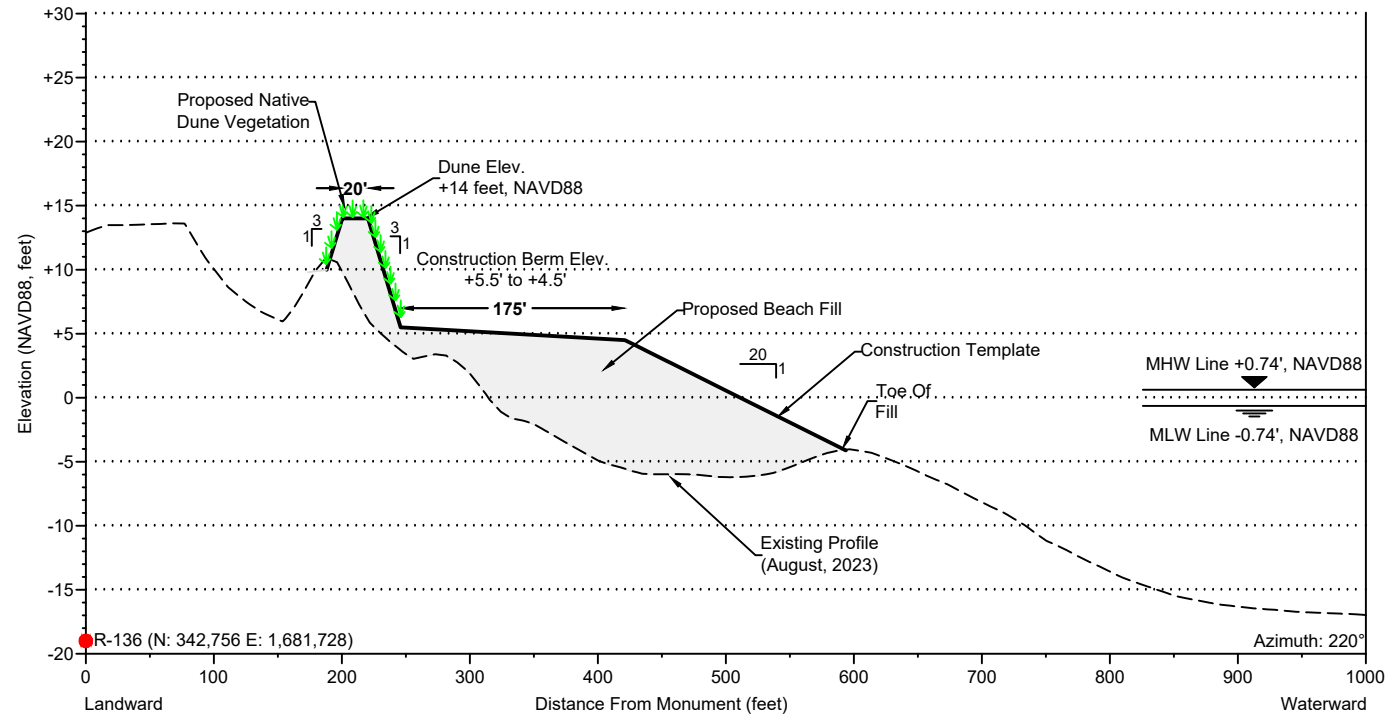
City of Mexico Beach, FL - Beach Restoration Project

R-134 to R-135
Bay County Tourist Development Council
17001 Panama City Beach Parkway, Panama City Beach, Florida 32413

DESIGNED BY: mrd
DATE: May 1, 2024
REV DATE: July 24, 2024
REV #: DRAWN: JPM
REVIEWED: MRD
PROJECT NUMBER: 19-139
SHEET NUMBER: 6

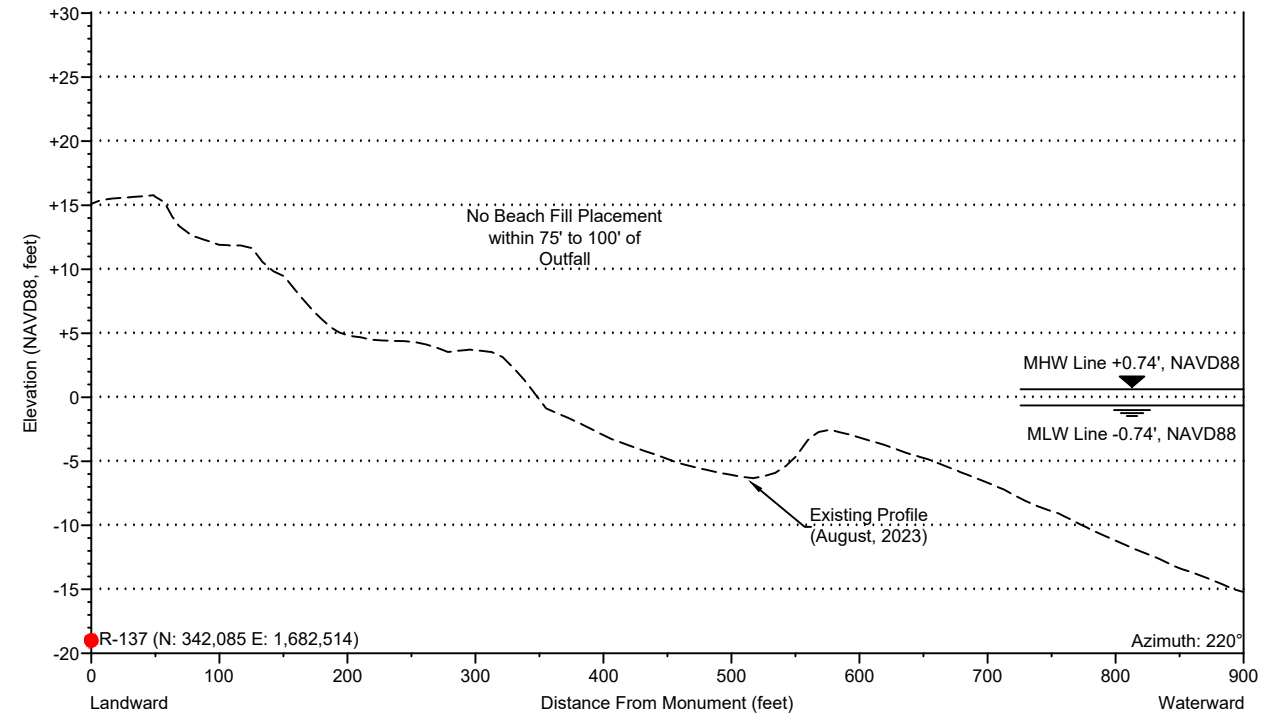


- LEGEND**
- Coastal Construction Control Line (CCCL)
 - Proposed Major Contours
 - Proposed Minor Contours
 - Erosion Control Line (ECL, 2023 MHWL)
 - Landward Limit of Construction



DEP R-136 CROSS SECTION (Azimuth 220°)

VERTICAL SCALE: 1" = 15'
 HORIZONTAL SCALE: 1" = 150'
 CONSTRUCTION VOLUME: 85.3 yds³/lf



DEP R-137 CROSS SECTION (Azimuth 220°)

VERTICAL SCALE: 1" = 15'
 HORIZONTAL SCALE: 1" = 150'
 CONSTRUCTION VOLUME: 0.0 yds³/lf

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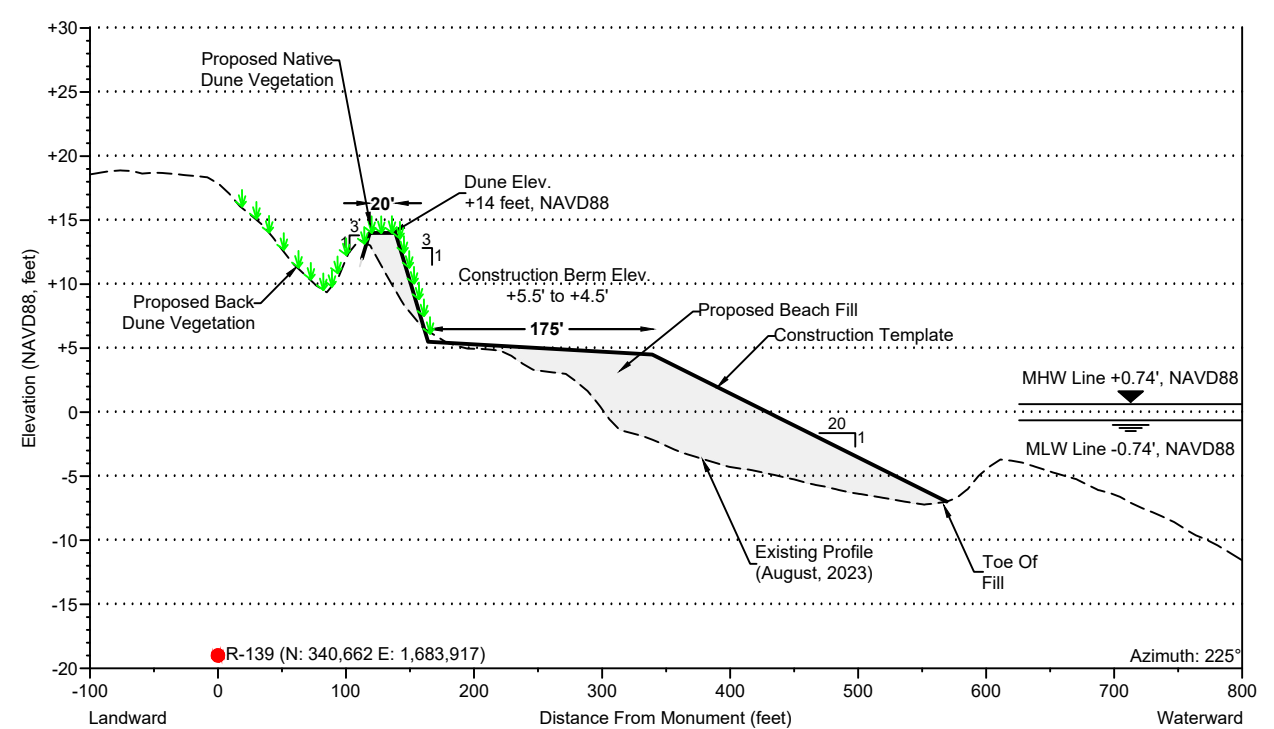
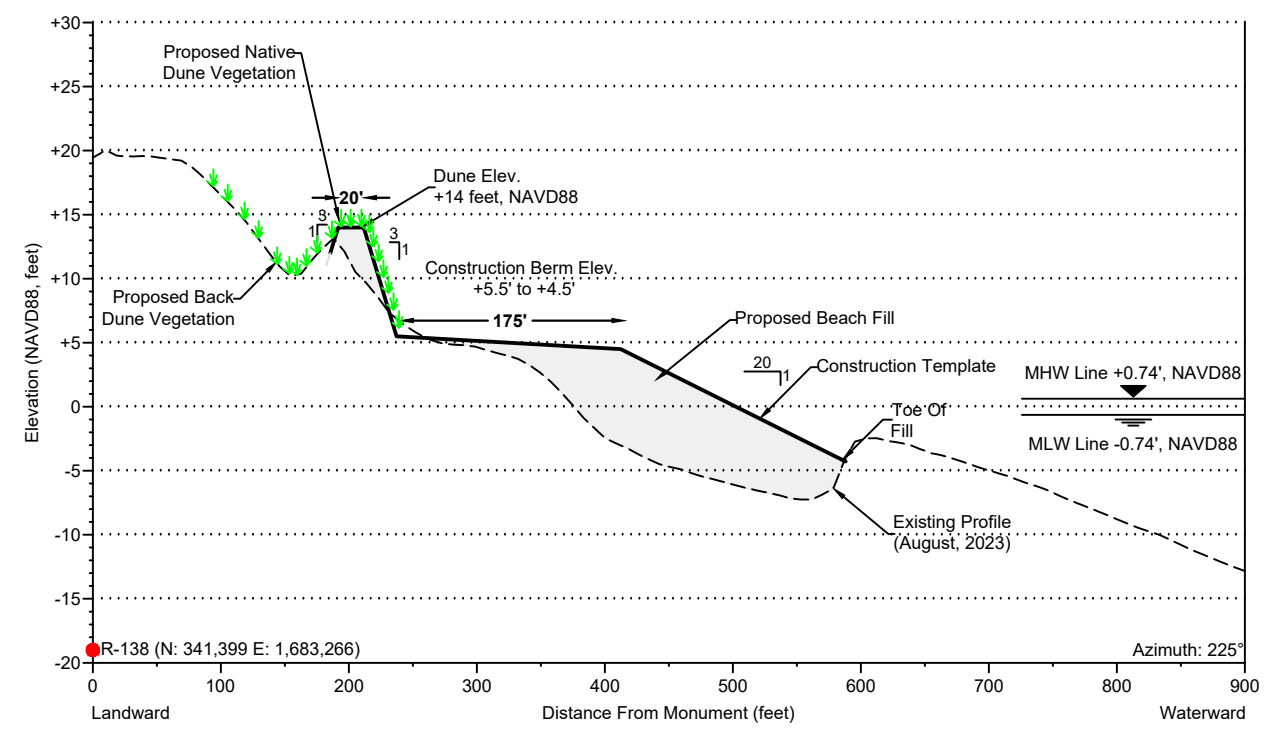
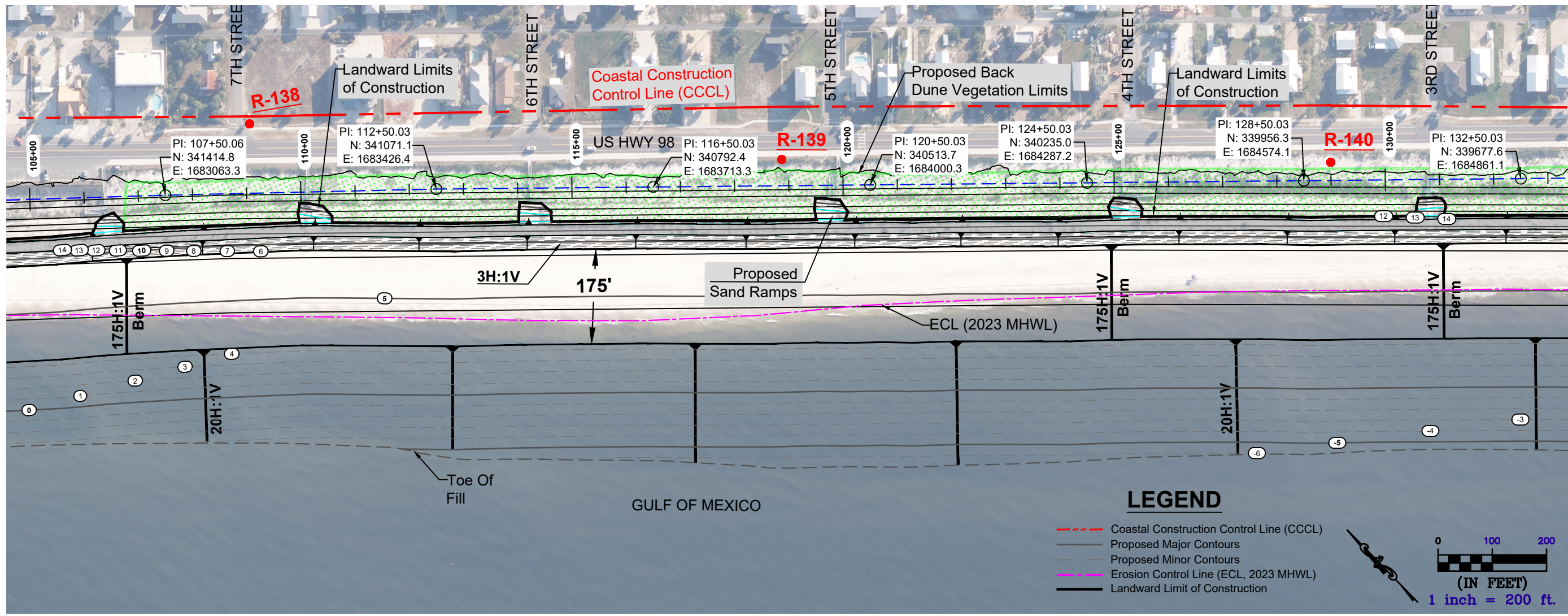
NOTES:

- Drawings are not valid for construction without being signed and sealed.
- Drawing is referenced to Florida State Plane, North Zone, NAD83.
- Elevations referenced to NAVD83. (Revised on August 18, 2023. The location of all objects in the photograph are approximate and may not represent currently existing conditions.
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R-136 to R-137
City of Mexico Beach, FL - Beach Restoration Project

Bay County Tourist Development Council
 17001 Panama City Beach Parkway, Panama City Beach, Florida 32413

DESIGNED BY: mrd	
DATE: May 1, 2024	
REV DATE:	
REV #:	DRAWN: JPM
REVIEWED: MRD	
PROJECT NUMBER: 19-139	
SHEET NUMBER: 7	



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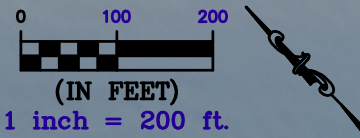
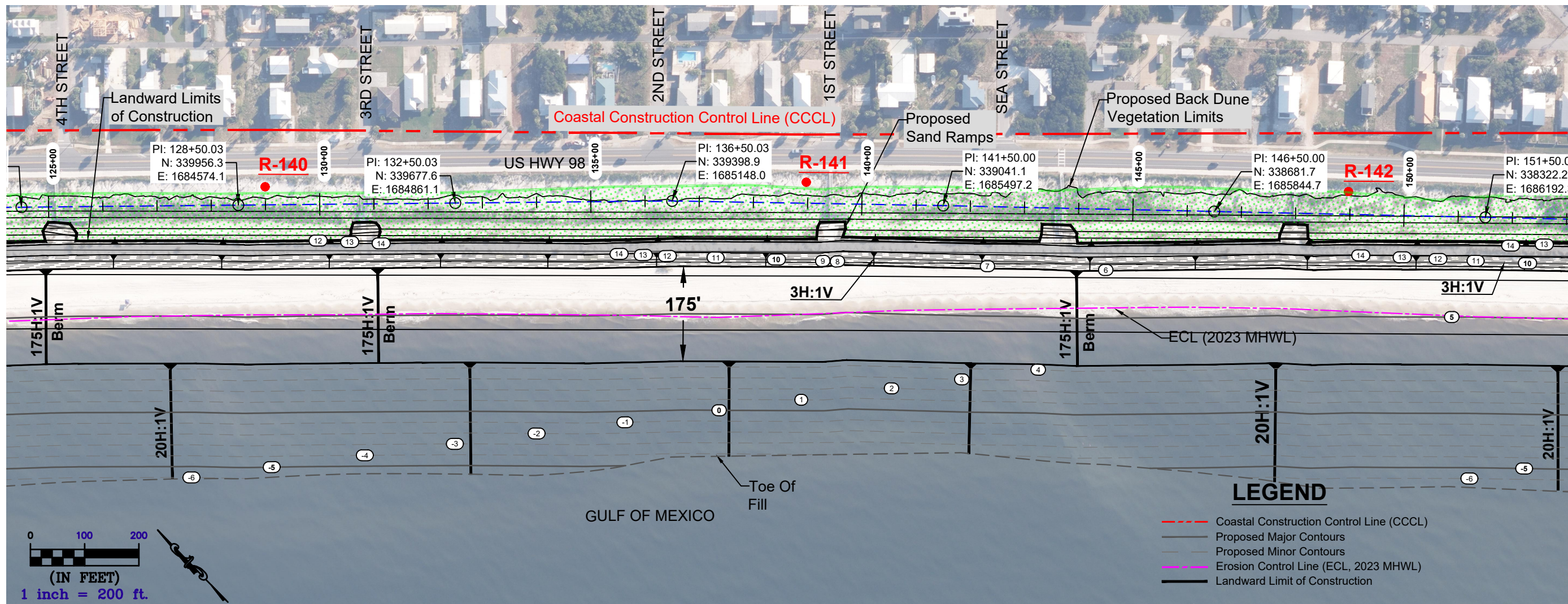
mrd
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NOTES:

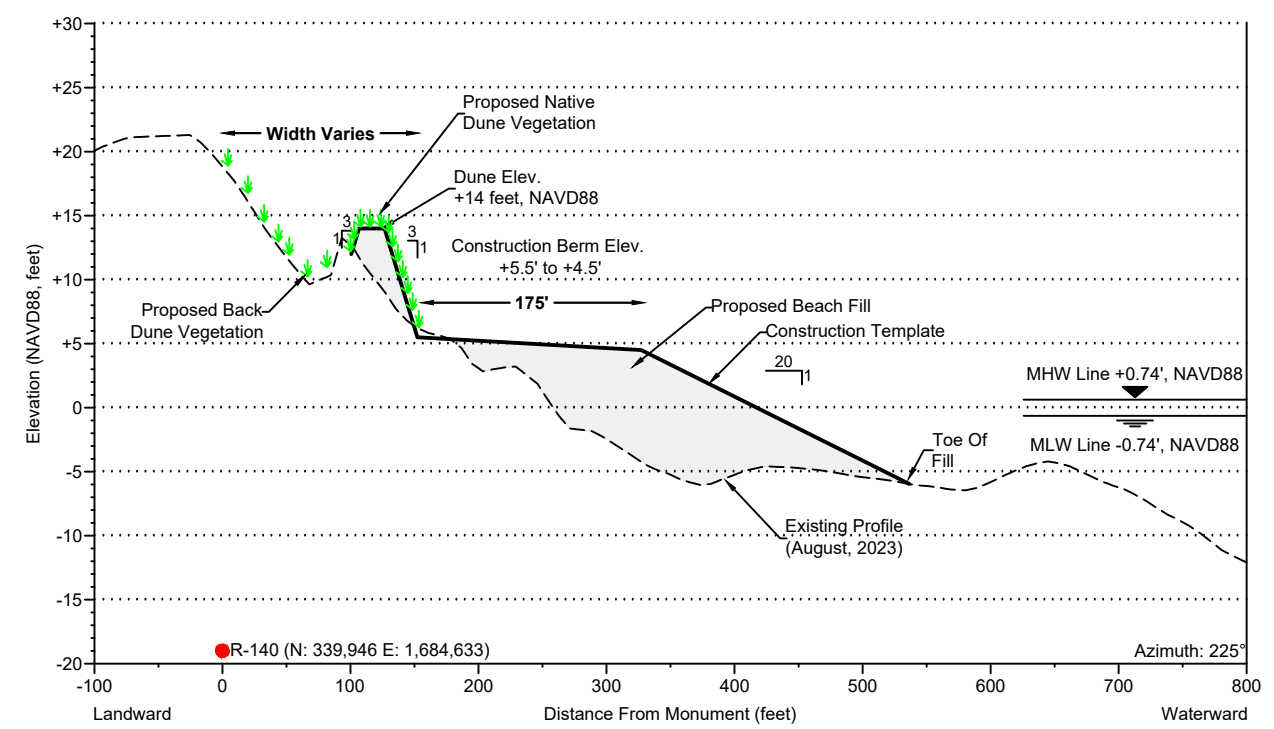
- Drawings are not valid for construction without being signed and sealed.
- Drawing is referenced to Florida State Plane, North Zone, NAD83.
- Elevations referenced to NAVD83. Heights on August 18, 2023. The location of all objects in the photograph are approximate and may not represent currently existing conditions.
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R-138 to R-139
City of Mexico Beach, FL - Beach Restoration Project
 Bay County Tourist Development Council
 17001 Panama City Beach Parkway, Panama City Beach, Florida 32413

DESIGNED BY: **mrd**
 DATE: May 1, 2024
 REV DATE:
 REV #:
 DRAWN: JPM
 REVIEWED: MRD
 PROJECT NUMBER:
19-139
 SHEET NUMBER:
8

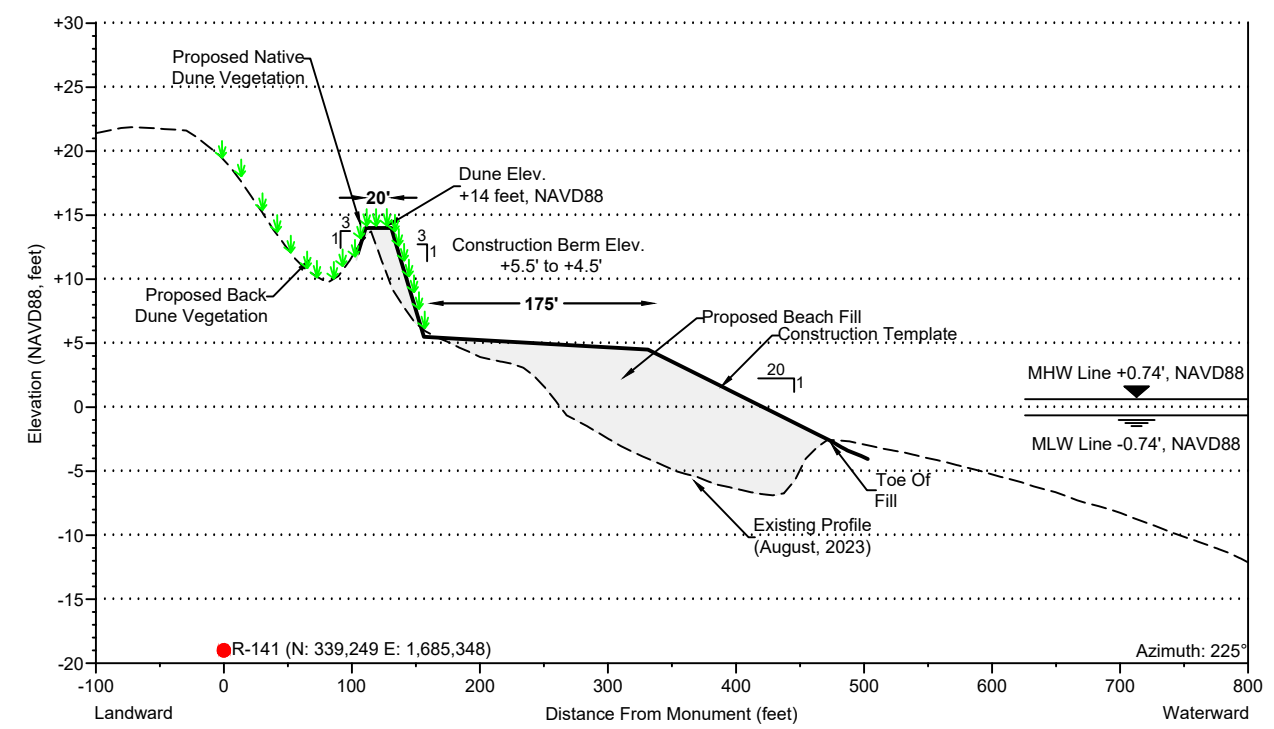


- LEGEND**
- Coastal Construction Control Line (CCCL)
 - Proposed Major Contours
 - Proposed Minor Contours
 - Erosion Control Line (ECL, 2023 MHWL)
 - Landward Limit of Construction



DEP R-140 CROSS SECTION (Azimuth 225°)

VERTICAL SCALE: 1" = 15'
 HORIZONTAL SCALE: 1" = 150'
 CONSTRUCTION VOLUME: 64.2 yds³/lf



DEP R-141 CROSS SECTION (Azimuth 225°)

VERTICAL SCALE: 1" = 15'
 HORIZONTAL SCALE: 1" = 150'
 CONSTRUCTION VOLUME: 61.1 yds³/lf

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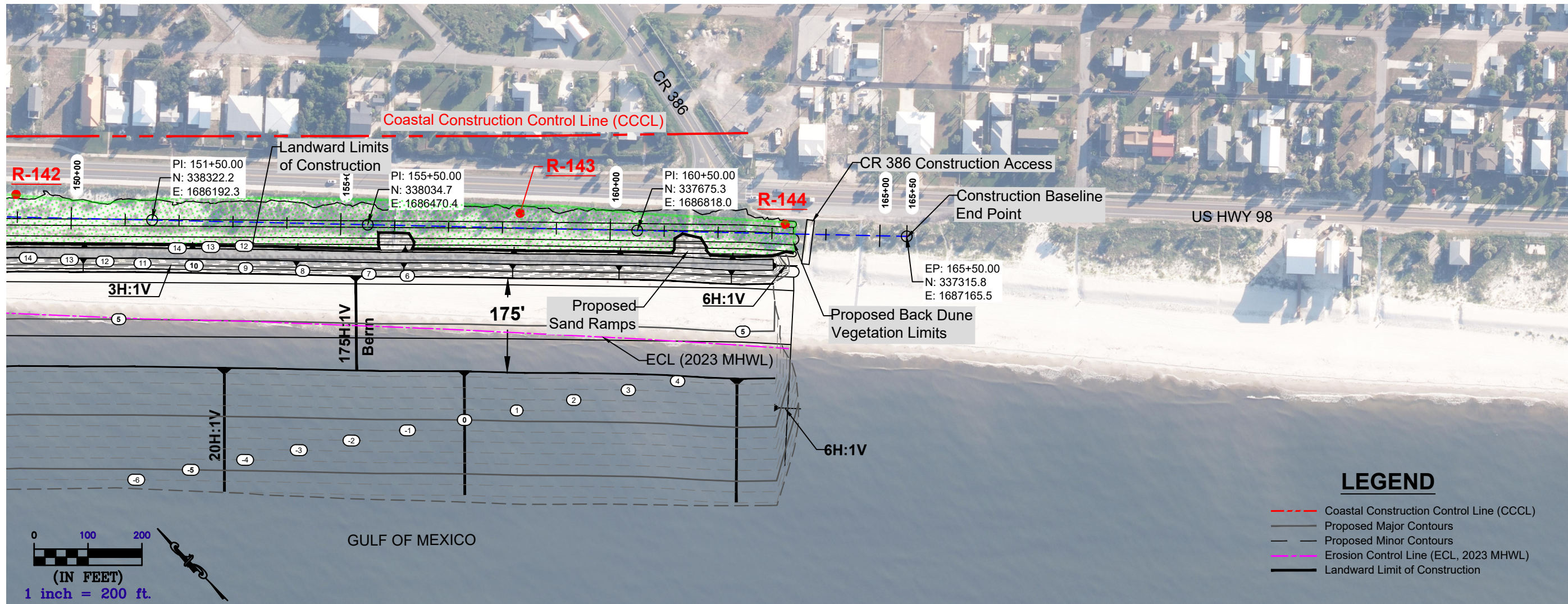
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 Coastal, Marine & Water Resources Engineering

NOTES:

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- Drawing is referenced to NAVD88. Elevation is referenced to NAVD88. Elevation is referenced to NAVD88. Elevation is referenced to NAVD88.
- Elevations are approximate and may not represent currently existing conditions.
- Survey conducted by Dewberry Engineers, Inc. August, 2023.
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R-140 to R-141
City of Mexico Beach, FL - Beach Restoration Project
 Bay County Tourist Development Council
 17001 Panama City Beach Parkway, Panama City Beach, Florida 32413

DESIGNED BY: mrd
DATE: May 1, 2024
REV DATE:
REV #:
DRAWN: JPM
REVIEWED: MRD
PROJECT NUMBER: 19-139
SHEET NUMBER: 9



LEGEND

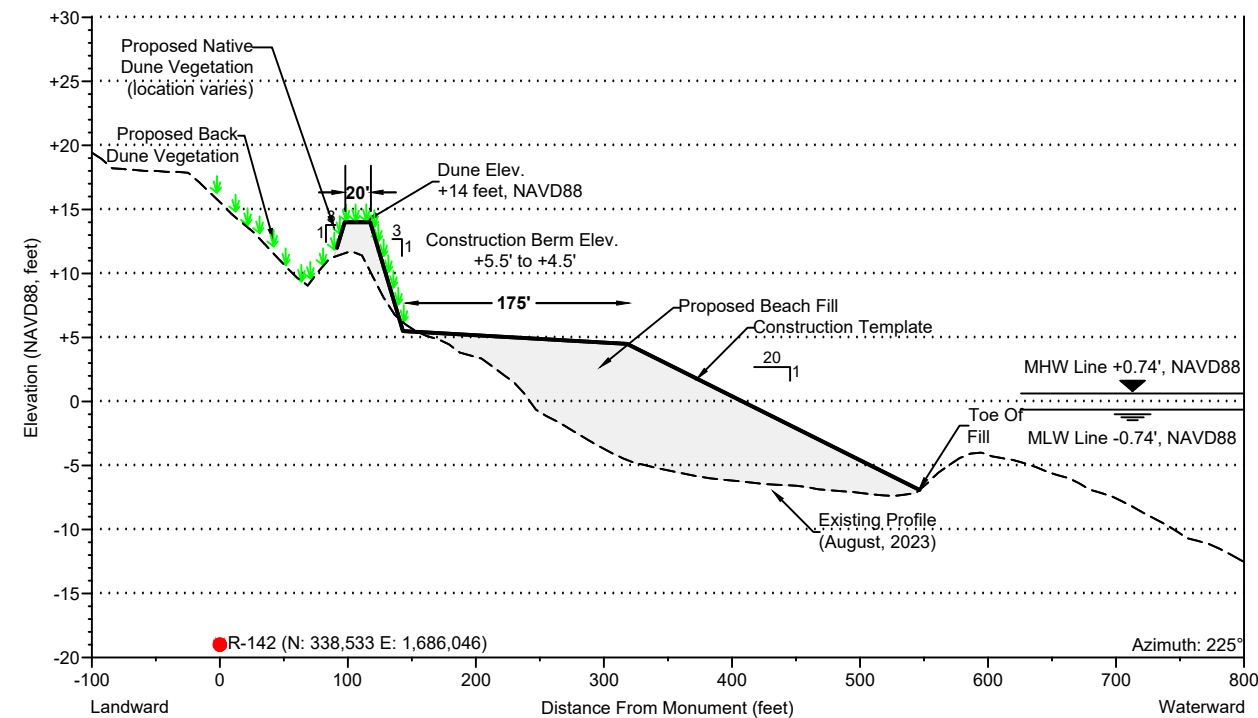
- Coastal Construction Control Line (CCCL)
- Proposed Major Contours
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- Landward Limit of Construction

**543 Harbor Boulevard, Suite 204
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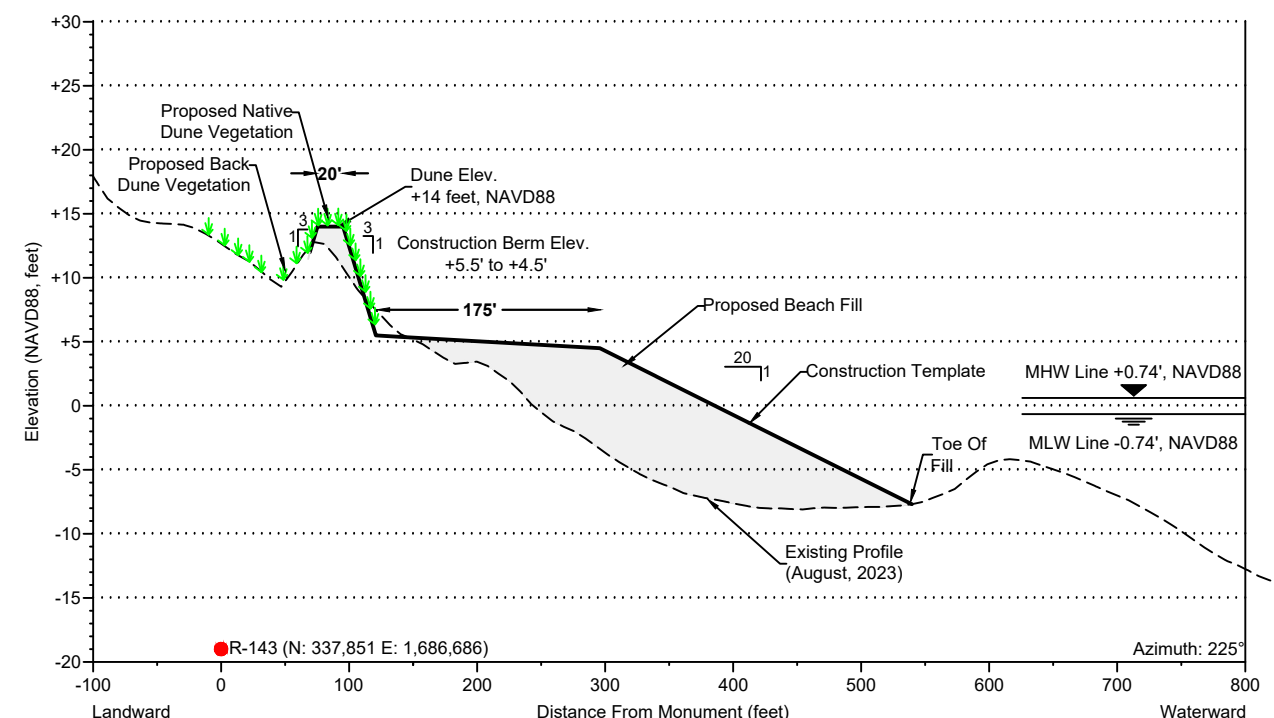
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DEP R-142 CROSS SECTION (Azimuth 225°)

VERTICAL SCALE: 1" = 15'
HORIZONTAL SCALE: 1" = 150'
CONSTRUCTION VOLUME: 74.4 yds³/lf



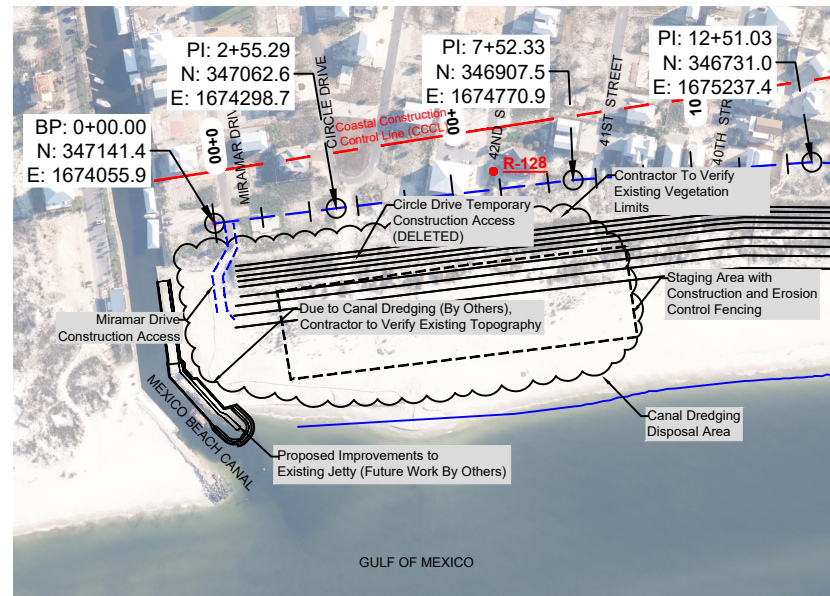
DEP R-143 CROSS SECTION (Azimuth 225°)

VERTICAL SCALE: 1" = 15'
HORIZONTAL SCALE: 1" = 150'
CONSTRUCTION VOLUME: 71.6 yds³/lf

**R-142 to R-144
City of Mexico Beach, FL - Beach Restoration Project**

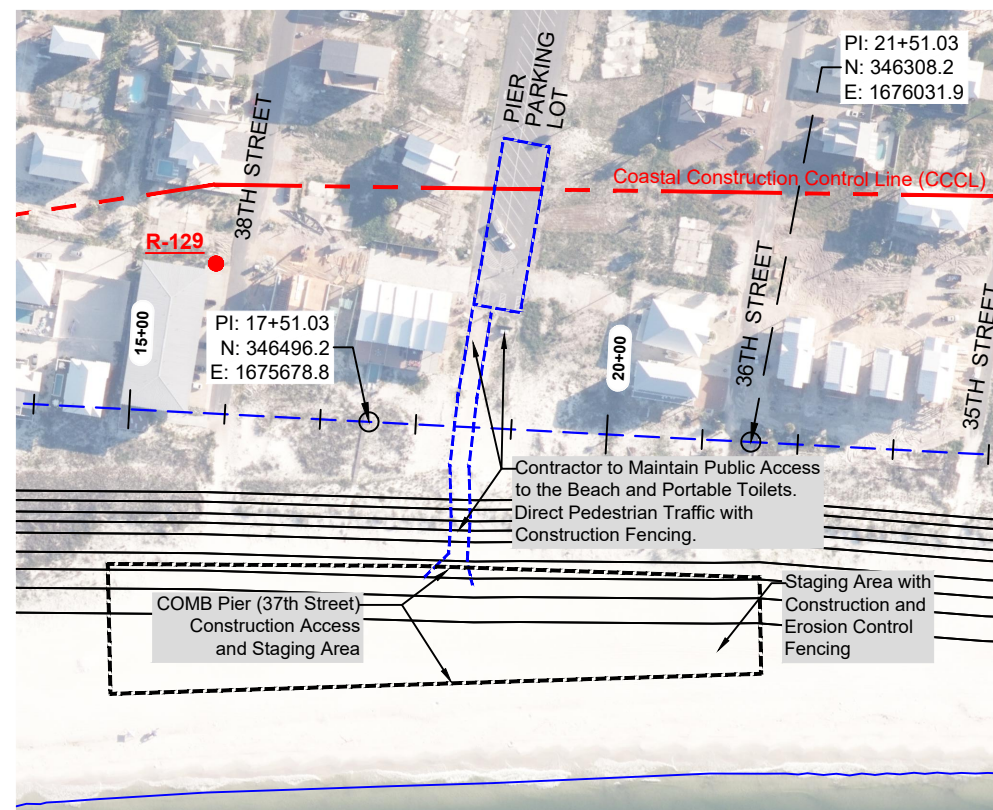
Bay County Tourist Development Council
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DESIGNED BY: mrd	
DATE: May 1, 2024	
REV DATE:	
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REVIEWED: MRD	
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SHEET NUMBER: 10	



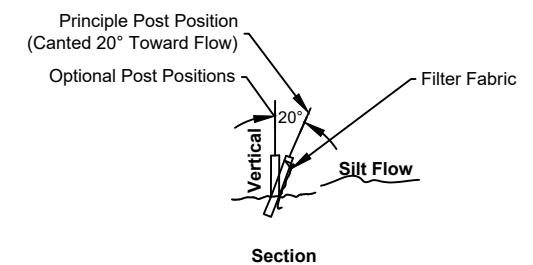
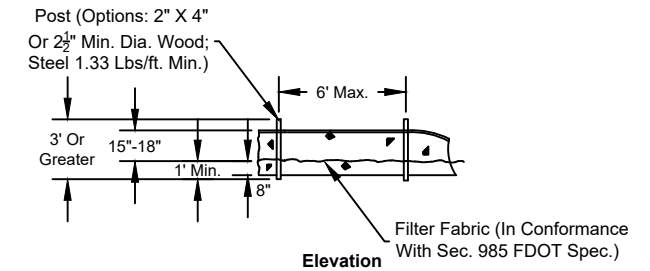
**MIRAMAR DRIVE
CONSTRUCTION ACCESS AND STAGING DETAIL**

SCALE: 1" = 400'



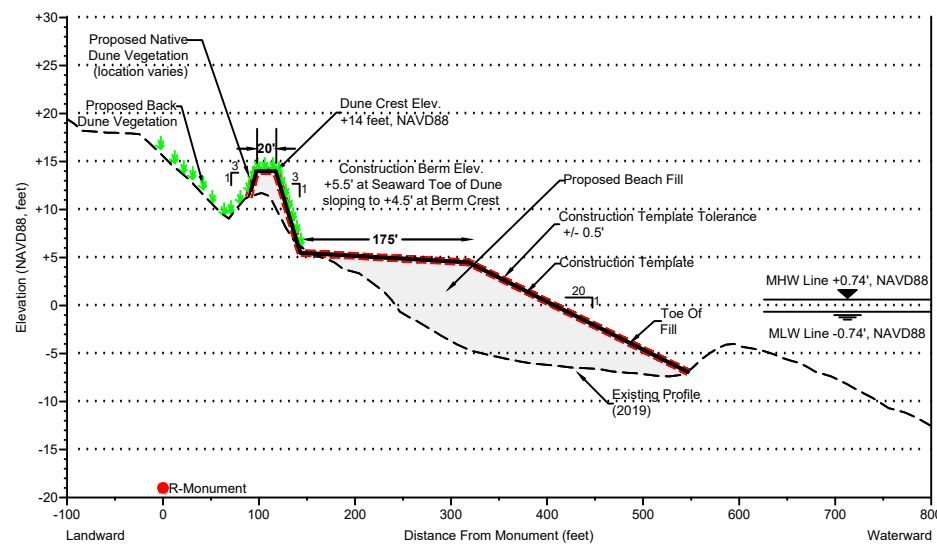
**PIER (37TH STREET) CONSTRUCTION ACCESS
AND STAGING DETAIL**

SCALE: 1" = 200'



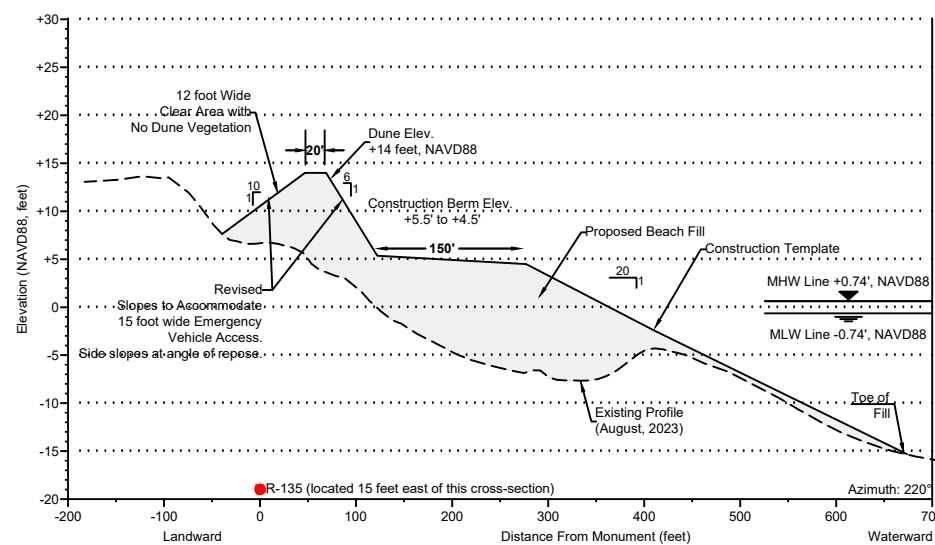
**TYPICAL VEGETATIVE BARRIER
FENCE DETAIL**

NOT TO SCALE



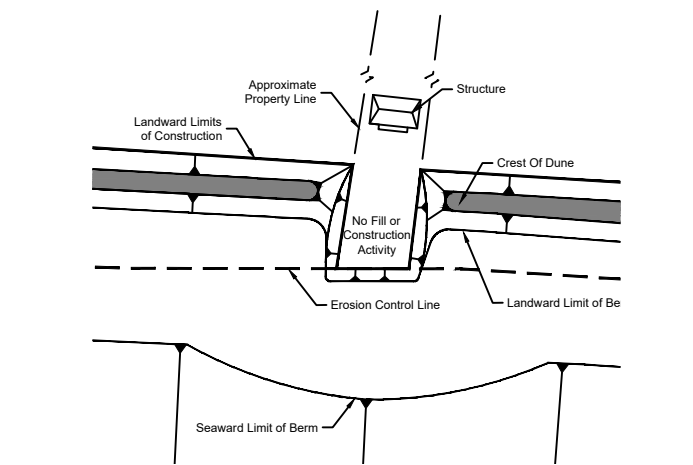
TYPICAL BEACH FILL CROSS SECTION

VERTICAL SCALE: 1" = 20'
HORIZONTAL SCALE: 1" = 200'



16th STREET EMERGENCY ACCESS BEACH FILL CROSS SECTION

VERTICAL SCALE: 1" = 20'
HORIZONTAL SCALE: 1" = 200'



**MODIFIED CONSTRUCTION TEMPLATE PLAN VIEW
(no construction easement)**

SCALE: N.T.S.

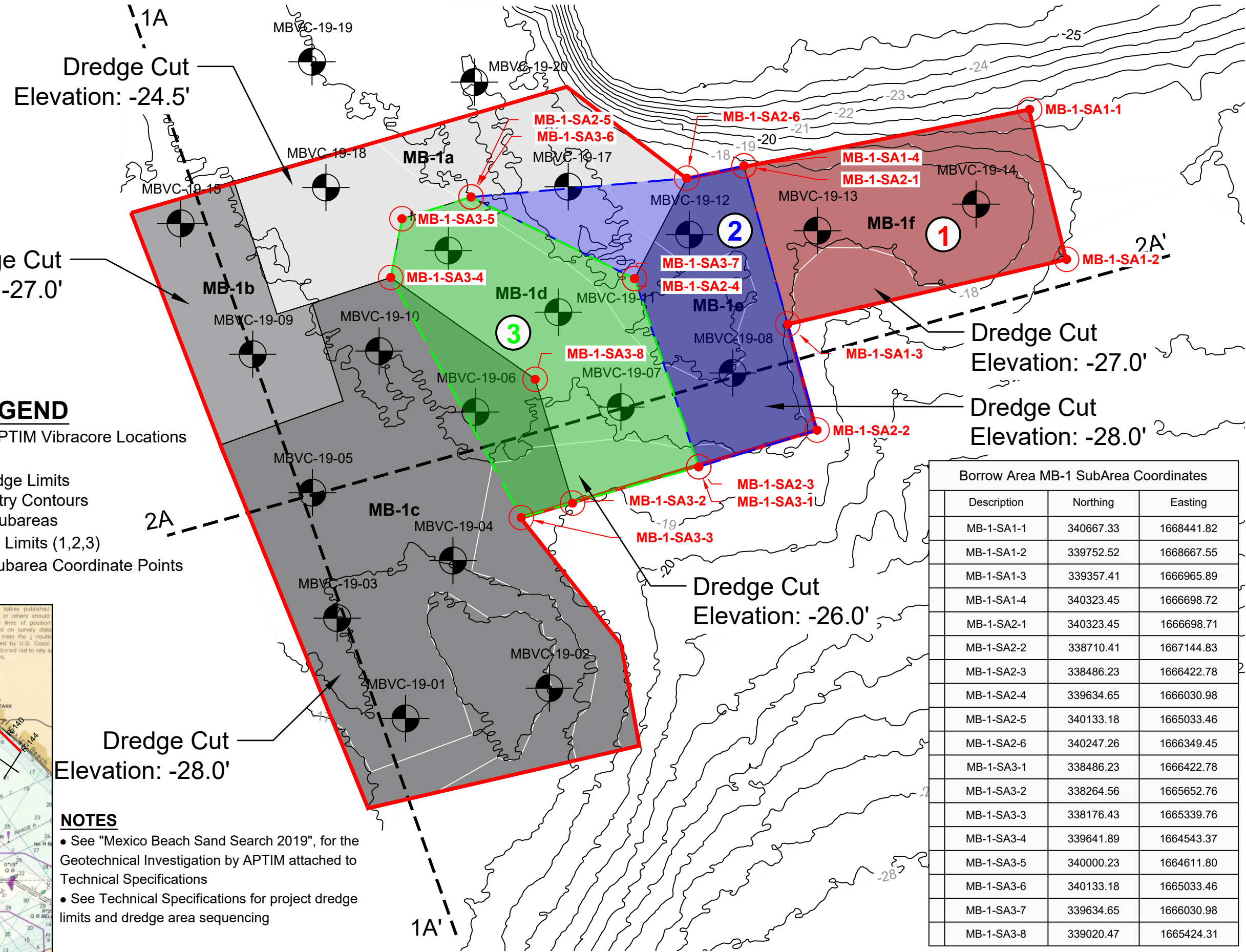
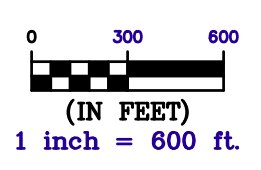
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• Elevations referenced to NAVD88.

TYPICAL DETAILS
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DESIGNED BY: **mrd**
DATE: May 1, 2024
REV DATE: July 24, 2024
REV # : DRAWN: JPM
REVIEWED: MRD
PROJECT NUMBER:
19-139
SHEET NUMBER:
11



LEGEND

- MBVC* 2019 APTIM Vibracore Locations
- Section Lines
- Permitted Dredge Limits
- 2019 Bathymetry Contours
- Borrow Area Subareas
- Project Dredge Limits (1,2,3)
- Borrow Area Subarea Coordinate Points



LOCATION MAP

SCALE: 1 inch = 2 miles

NOTES

- See "Mexico Beach Sand Search 2019", for the Geotechnical Investigation by APTIM attached to Technical Specifications
- See Technical Specifications for project dredge limits and dredge area sequencing

Borrow Area MB-1 SubArea Coordinates

Description	Northing	Easting
MB-1-SA1-1	340667.33	1668441.82
MB-1-SA1-2	339752.52	1668667.55
MB-1-SA1-3	339357.41	1666965.89
MB-1-SA1-4	340323.45	1666698.72
MB-1-SA2-1	340323.45	1666698.71
MB-1-SA2-2	338710.41	1667144.83
MB-1-SA2-3	338486.23	1666422.78
MB-1-SA2-4	339634.65	1666030.98
MB-1-SA2-5	340133.18	1665033.46
MB-1-SA2-6	340247.26	1666349.45
MB-1-SA3-1	338486.23	1666422.78
MB-1-SA3-2	338264.56	1665652.76
MB-1-SA3-3	338176.43	1665339.76
MB-1-SA3-4	339641.89	1664543.37
MB-1-SA3-5	340000.23	1664611.80
MB-1-SA3-6	340133.18	1665033.46
MB-1-SA3-7	339634.65	1666030.98
MB-1-SA3-8	339020.47	1665424.31

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 Coastal, Marina & Water Resources Engineering

NOTES:

- Drawings are not valid for construction without being signed and sealed.
- Drawing is referenced to Florida State Plane, North Zone, NAD83.
- Elevations are referenced to NAVD83.
- Date of Survey: MB-1, May 2018.
- NOAA Chart depths referenced to MLLW.

MEXICO BEACH BORROW AREA PLAN VIEW
 City of Mexico Beach, FL - Beach Restoration Project

Bay County Tourist Development Council
 17001 Panama City Beach Parkway, Panama City Beach, Florida 32413

DESIGNED BY:

DATE: May 1, 2024

REV DATE:

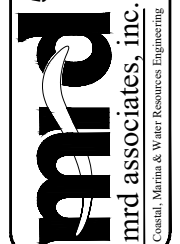
REV #:

REVIEWED: MRD

PROJECT NUMBER:
19-139

SHEET NUMBER:
12

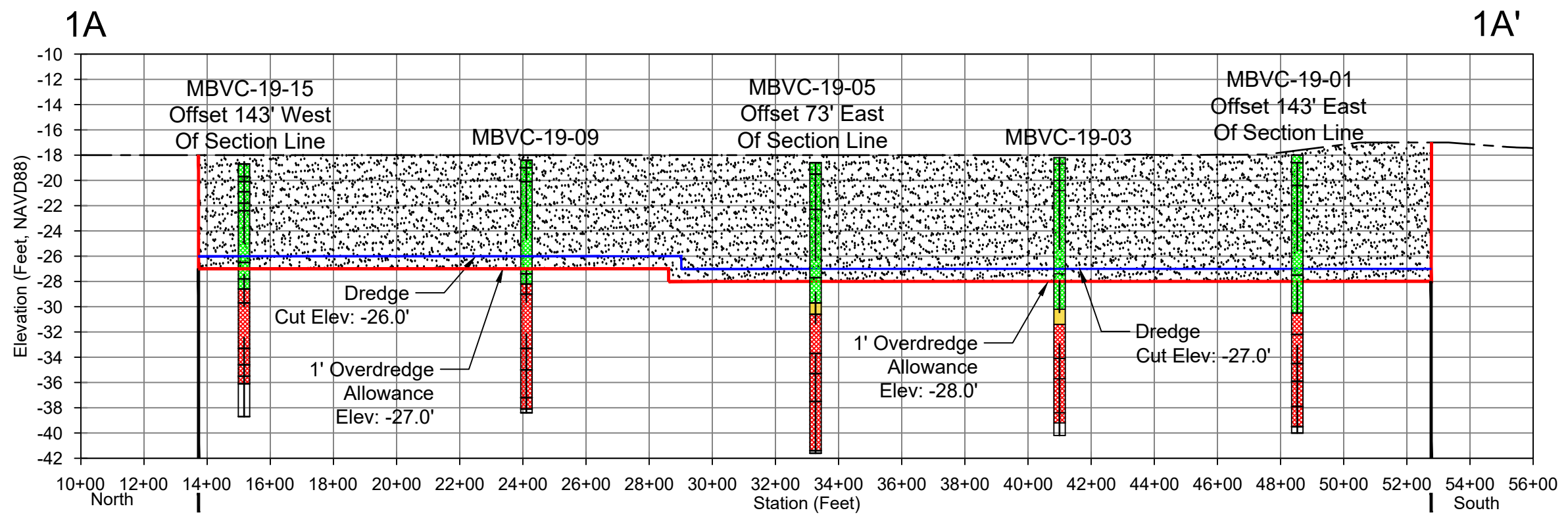
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NOTES:
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 • Drawing is referenced to Florida State Plane, North Zone, NAD83.
 • Elevations are referenced to NAVD88.
 • Bathymetry was collected by APTIM in May 2019.

BORROW AREA CROSS SECTION 1A-1A'
 City of Mexico Beach, FL - Beach Restoration Project
 Bay County Tourist Development Council
 17001 Panama City Beach Parkway, Panama City Beach, Florida 32413

DESIGNED BY:	mrd
DATE:	May 1, 2024
REV DATE:	
REV #:	DRAWN: JPM
REVIEWED:	MRD
PROJECT NUMBER:	19-139
SHEET NUMBER:	13



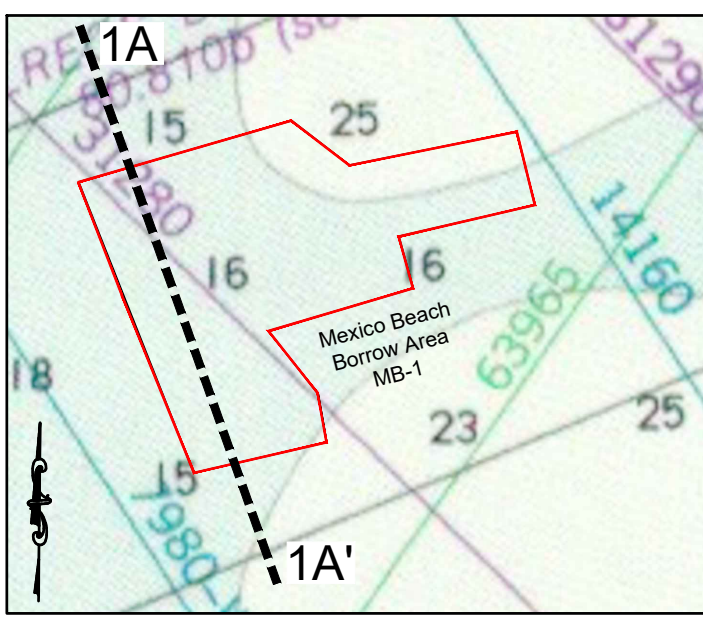
CROSS SECTION 1A-1A'
 SEE LINE 300 FOR SEISMIC DATA (APTIM, 2019)
 HORIZONTAL SCALE: 1" = 400'
 VERTICAL SCALE: 1" = 10'

LEGEND

- - - 2019 Bathymetry
- Dredge Cut
- 1' Overdredge Allowance
- ▨ Highest Quality
- ▨ Marginal Quality
- ▨ Low Quality
- No Recovery

NOTES

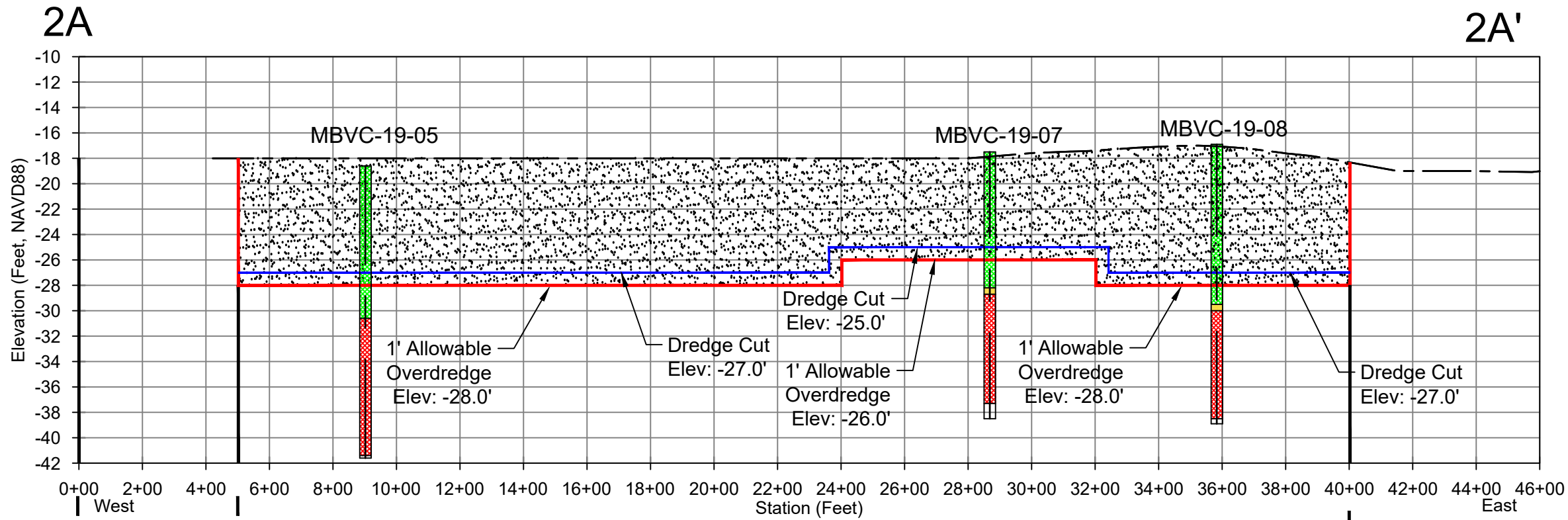
- See "Mexico Beach Sand Search 2019", for the Geotechnical Investigation by APTIM attached to Technical Specifications
- Excavation shall not exceed the overdredge allowance elevation
- See Technical Specifications for allowable disturbance below the allowable overdredge



LOCATION MAP
 SCALE: 1" = 2,400'

X:1,663,352.8
 Y:340,149.8

X:1,664,465.9
 Y:336,461.1



CROSS SECTION 2A-2A'
 HORIZONTAL SCALE: 1" = 400'
 VERTICAL SCALE: 1" = 10'

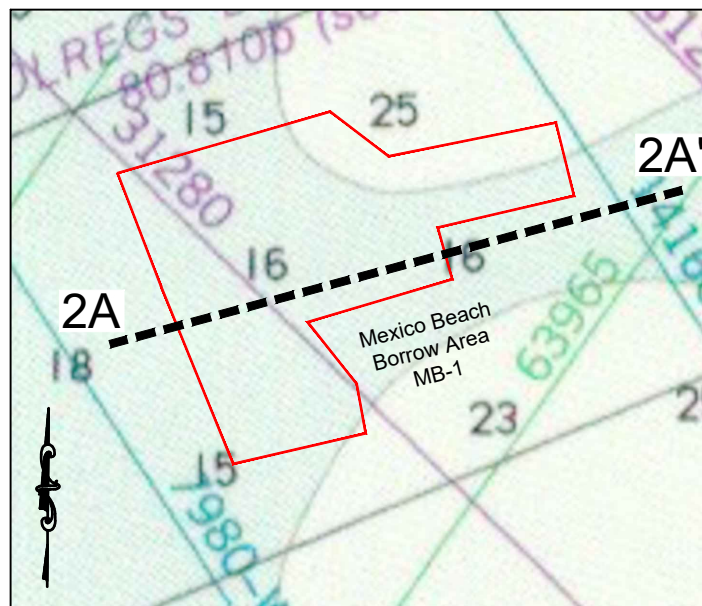
LEGEND

- Highest Quality
- Marginal Quality
- Low Quality
- No Recovery

- 2019 Bathymetry
- Dredge Cut
- 1' Overdredge Allowance

NOTES

- See "Mexico Beach Sand Search 2019", for the Geotechnical Investigation by APTIM attached to Technical Specifications
- Excavation shall not exceed the overdredge allowance elevation
- See Technical Specifications for allowable disturbance below the allowable overdredge



LOCATION MAP
 SCALE: 1" = 2,400'

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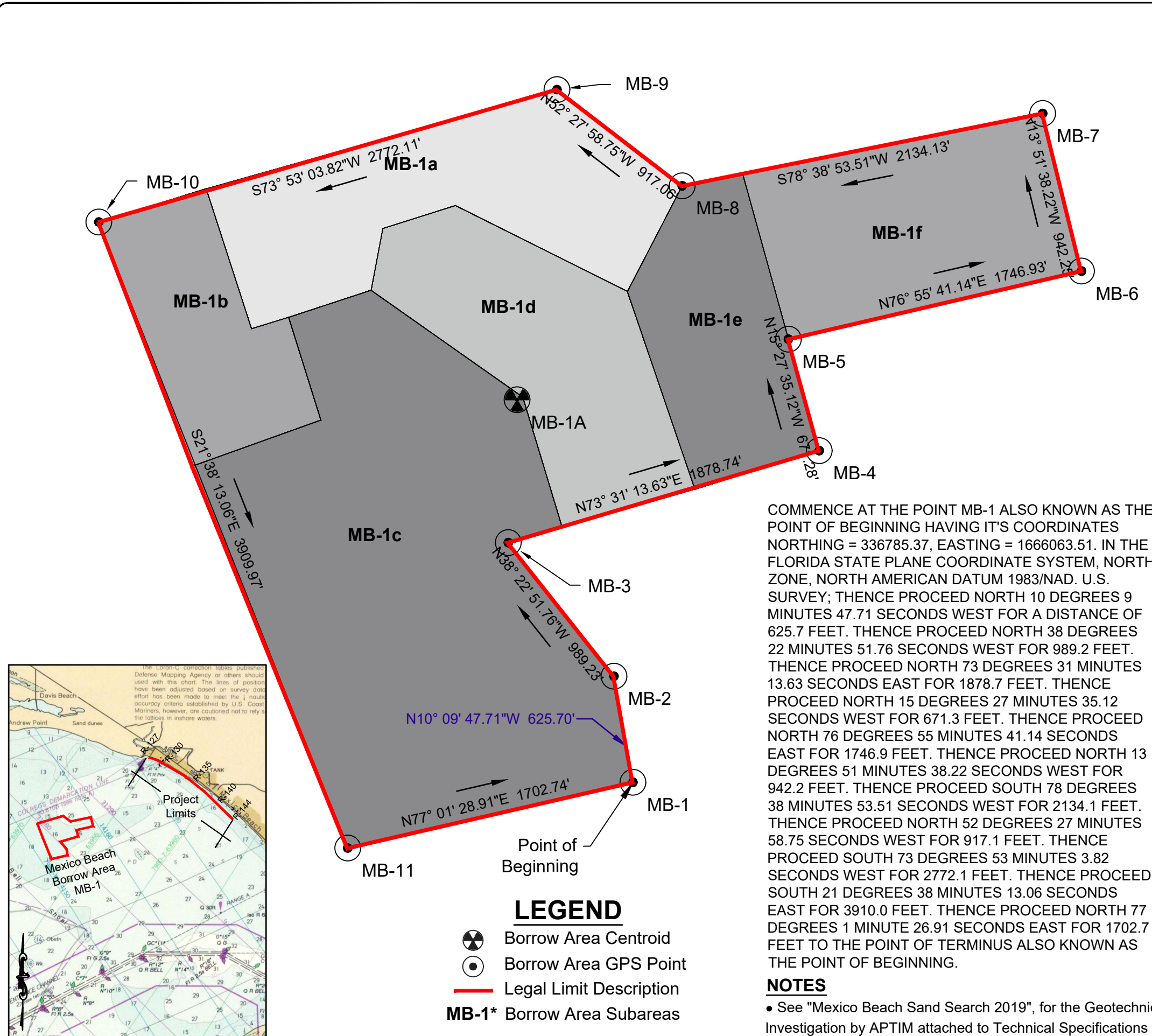


NOTES:

- Drawings are not valid for construction without being signed and sealed.
- Drawing is referenced to Florida State Plane, North Zone, NAD83.
- Elevations referenced to NAVD88.
- Bathymetry data was collected by APTIM in May 2019.

BORROW AREA CROSS SECTION 2A-2A'
 City of Mexico Beach, FL - Beach Restoration Project
 Bay County Tourist Development Council
 17001 Panama City Beach Parkway, Panama City Beach, Florida 32413

DESIGNED BY:	
DATE:	May 1, 2024
REV DATE:	
REV #:	DRAWN: JPM
REVIEWED: MRD	
PROJECT NUMBER:	19-139
SHEET NUMBER:	14



COMMENCE AT THE POINT MB-1 ALSO KNOWN AS THE POINT OF BEGINNING HAVING IT'S COORDINATES NORTHING = 336785.37, EASTING = 1666063.51. IN THE FLORIDA STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NORTH AMERICAN DATUM 1983/NAD. U.S. SURVEY; THENCE PROCEED NORTH 10 DEGREES 9 MINUTES 47.71 SECONDS WEST FOR A DISTANCE OF 625.7 FEET. THENCE PROCEED NORTH 38 DEGREES 22 MINUTES 51.76 SECONDS WEST FOR 989.2 FEET. THENCE PROCEED NORTH 73 DEGREES 31 MINUTES 13.63 SECONDS EAST FOR 1878.7 FEET. THENCE PROCEED NORTH 15 DEGREES 27 MINUTES 35.12 SECONDS WEST FOR 671.3 FEET. THENCE PROCEED NORTH 76 DEGREES 55 MINUTES 41.14 SECONDS EAST FOR 1746.9 FEET. THENCE PROCEED NORTH 13 DEGREES 51 MINUTES 38.22 SECONDS WEST FOR 942.2 FEET. THENCE PROCEED SOUTH 78 DEGREES 38 MINUTES 53.51 SECONDS WEST FOR 2134.1 FEET. THENCE PROCEED NORTH 52 DEGREES 27 MINUTES 58.75 SECONDS WEST FOR 917.1 FEET. THENCE PROCEED SOUTH 73 DEGREES 53 MINUTES 3.82 SECONDS WEST FOR 2772.1 FEET. THENCE PROCEED SOUTH 21 DEGREES 38 MINUTES 13.06 SECONDS EAST FOR 3910.0 FEET. THENCE PROCEED NORTH 77 DEGREES 1 MINUTE 26.91 SECONDS EAST FOR 1702.7 FEET TO THE POINT OF TERMINUS ALSO KNOWN AS THE POINT OF BEGINNING.

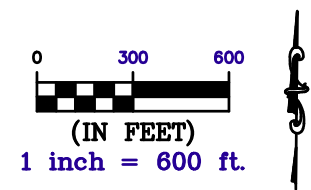
- NOTES**
- See "Mexico Beach Sand Search 2019", for the Geotechnical Investigation by APTIM attached to Technical Specifications
 - See Technical Specifications for Dredge Plan details

Borrow Area MB-1 Limits

Description	Northing	Easting
MB-1	336785.37	1666063.51
MB-2	337401.25	1665953.11
MB-3	338176.43	1665339.76
MB-4	338710.41	1667144.83
MB-5	339357.41	1666965.89
MB-6	339752.52	1668667.55
MB-7	340667.33	1668441.82
MB-8	340247.26	1666349.45
MB-9	340805.96	1665622.22
MB-10	340037.52	1662962.55
MB-11	336404.09	1664407.76

Borrow Area MB-1 Centroid

Description	Northing	Easting
MB-1A	339005.63	1665390.82



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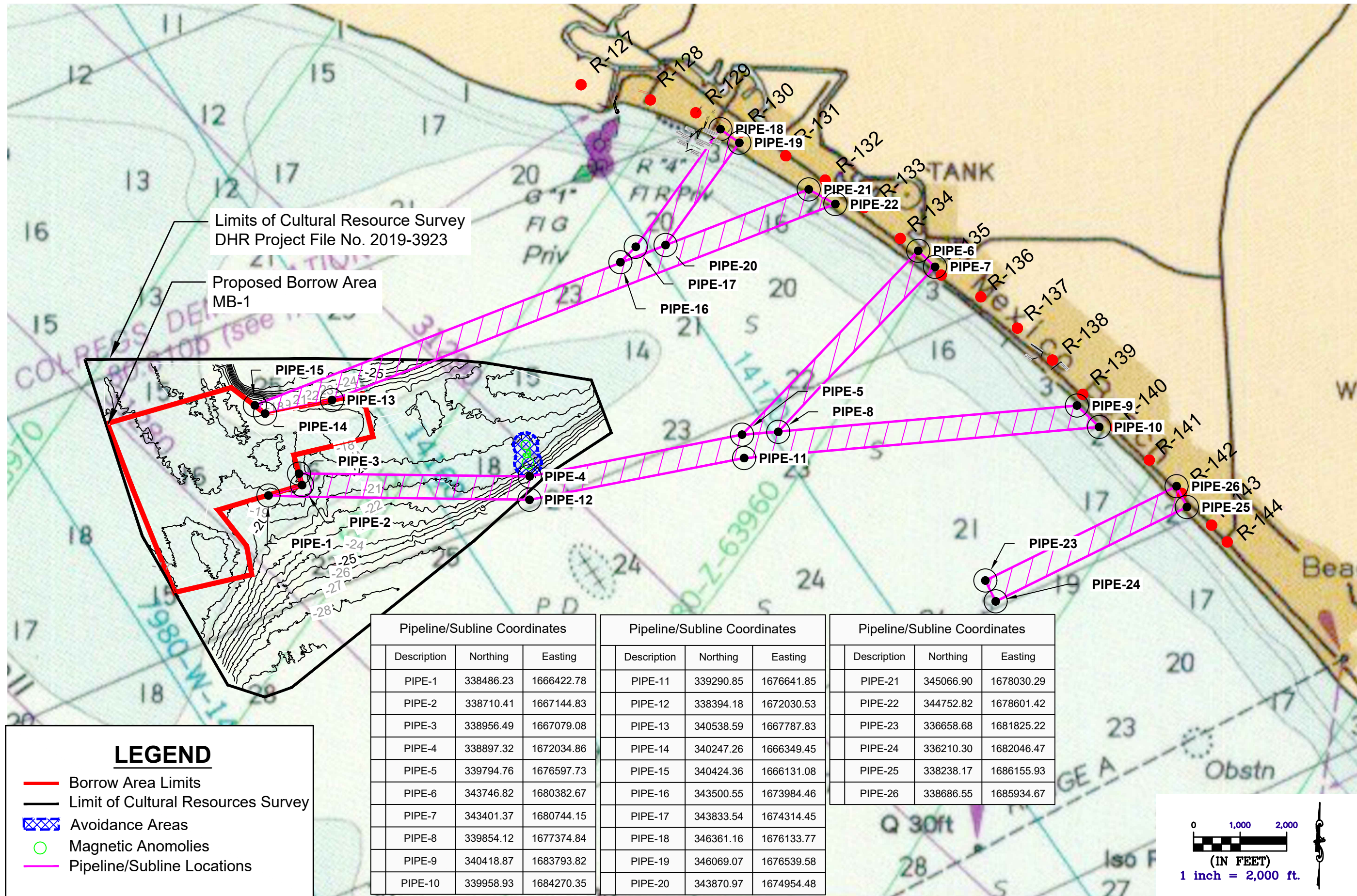
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- NOTES:**
- Drawings are not valid for construction without being signed and sealed.
 - Drawing is referenced to NAVD83, NAD83.
 - Elevations are referenced to MLLW.
 - During construction, the corners of the borrow area are to be marked with buoys or other suitable devices.

MEXICO BEACH BORROW AREA LEGAL DESCRIPTION
 City of Mexico Beach, FL - Beach Restoration Project

Bay County Tourist Development Council
 17001 Panama City Beach Parkway, Panama City Beach, Florida 32413

DESIGNED BY: **mrd**
 DATE: May 1, 2024
 REV DATE:
 REV # : DRAWN: JPM
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 PROJECT NUMBER:
19-139
 SHEET NUMBER:
15



Limits of Cultural Resource Survey
DHR Project File No. 2019-3923

Proposed Borrow Area
MB-1

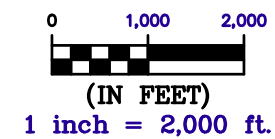
LEGEND

- Borrow Area Limits
- Limit of Cultural Resources Survey
- Avoidance Areas
- Magnetic Anomalies
- Pipeline/Subline Locations

Pipeline/Subline Coordinates		
Description	Northing	Easting
PIPE-1	338486.23	1666422.78
PIPE-2	338710.41	1667144.83
PIPE-3	338956.49	1667079.08
PIPE-4	338897.32	1672034.86
PIPE-5	339794.76	1676597.73
PIPE-6	343746.82	1680382.67
PIPE-7	343401.37	1680744.15
PIPE-8	339854.12	1677374.84
PIPE-9	340418.87	1683793.82
PIPE-10	339958.93	1684270.35

Pipeline/Subline Coordinates		
Description	Northing	Easting
PIPE-11	339290.85	1676641.85
PIPE-12	338394.18	1672030.53
PIPE-13	340538.59	1667787.83
PIPE-14	340247.26	1666349.45
PIPE-15	340424.36	1666131.08
PIPE-16	343500.55	1673984.46
PIPE-17	343833.54	1674314.45
PIPE-18	346361.16	1676133.77
PIPE-19	346069.07	1676539.58
PIPE-20	343870.97	1674954.48

Pipeline/Subline Coordinates		
Description	Northing	Easting
PIPE-21	345066.90	1678030.29
PIPE-22	344752.82	1678601.42
PIPE-23	336658.68	1681825.22
PIPE-24	336210.30	1682046.47
PIPE-25	338238.17	1686155.93
PIPE-26	338686.55	1685934.67



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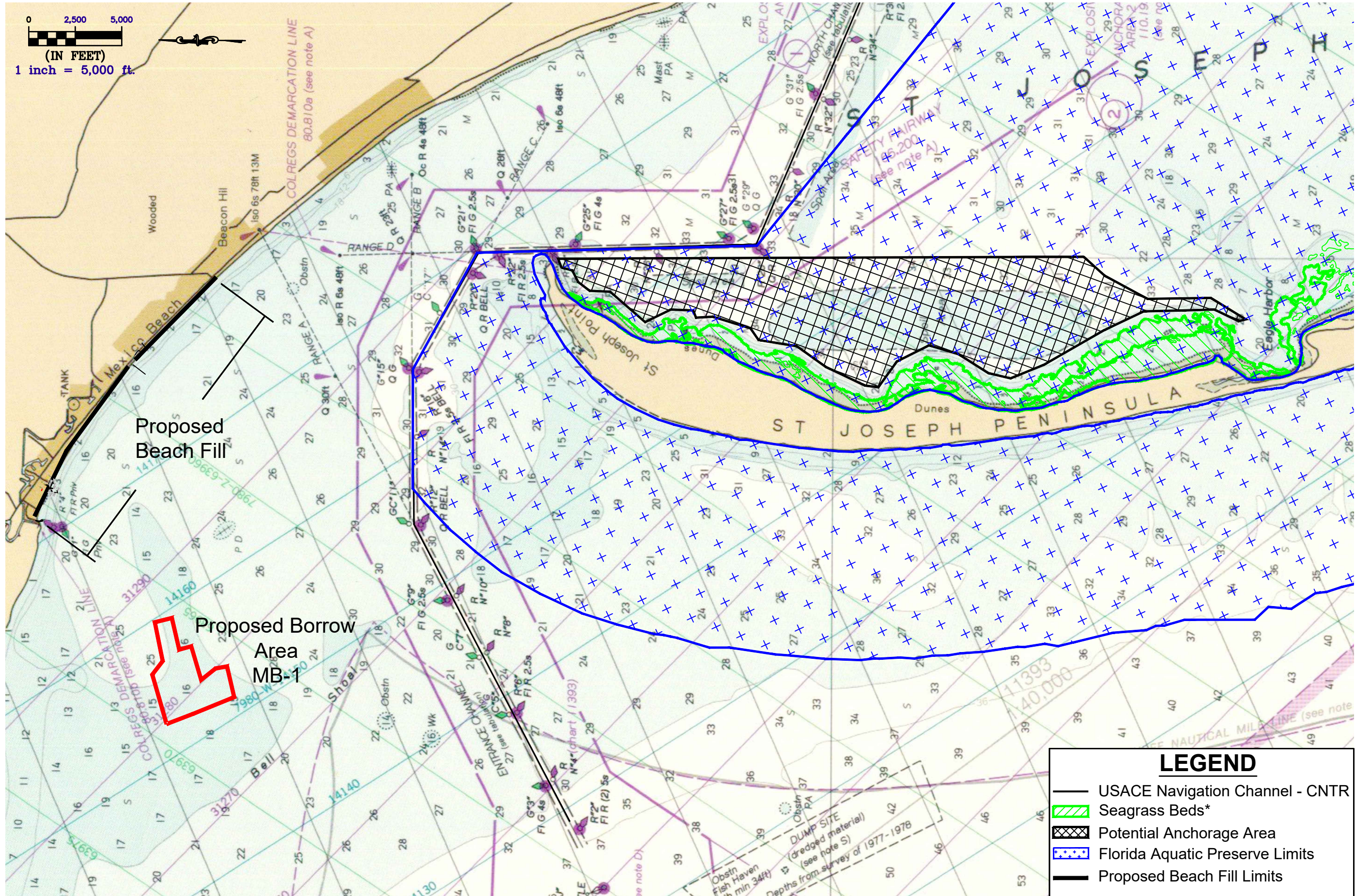


NOTES:

- Drawings are not valid for construction without being signed and sealed.
- Drawing is referenced to Florida State Plane, North Zone, NAD83.
- Elevations are referenced to NAVD83.
- All data was collected by APTIM in May 2019.
- NOAA Chart depths referenced to MLLW

PIPELINE CORRIDOR AND SUBLINE LOCATIONS
City of Mexico Beach, FL - Beach Restoration Project
Bay County Tourist Development Council
17001 Panama City Beach Parkway, Panama City Beach, Florida 32413

DESIGNED BY: **mrd**
DATE: May 1, 2024
REV DATE:
REV #: DRAWN: JPM
REVIEWED: MRD
PROJECT NUMBER:
19-139
SHEET NUMBER:
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0 2,500 5,000
 (IN FEET)
 1 inch = 5,000 ft.

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NOTES:

- Drawings are not valid for construction without being signed and sealed.
- Drawing is referenced to Florida State Plane, North Zone, NAD83.
- NOAA Chart depths referenced to MLLW.
- Data from Florida Fish and Wildlife Conservation Commission 2011 Survey.

SAFE ANCHORAGE LOCATION
 City of Mexico Beach, FL - Beach Restoration Project
 Bay County Tourist Development Council
 17001 Panama City Beach Parkway, Panama City Beach, Florida 32413

DESIGNED BY: **mrd**
 DATE: May 1, 2024
 REV DATE:
 REV # : DRAWN: JPM
 REVIEWED: MRD
 PROJECT NUMBER:
19-139
 SHEET NUMBER:
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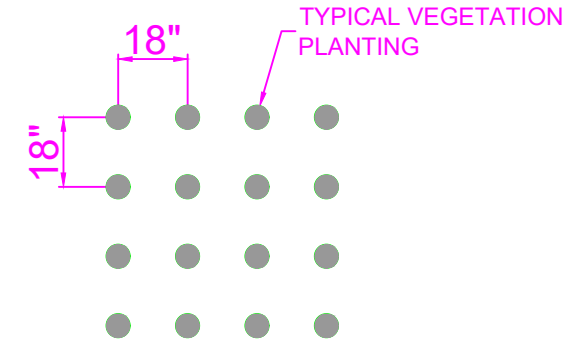
ESTIMATED VEGETATION QUANTITIES

Approximate Total Area of Planting: 1,400,000 square feet

Species	Quantity	% of total
Sea Oats	463,000	75
Beach Morning Glory	93,000	15
Camphor Weed	62,000	10

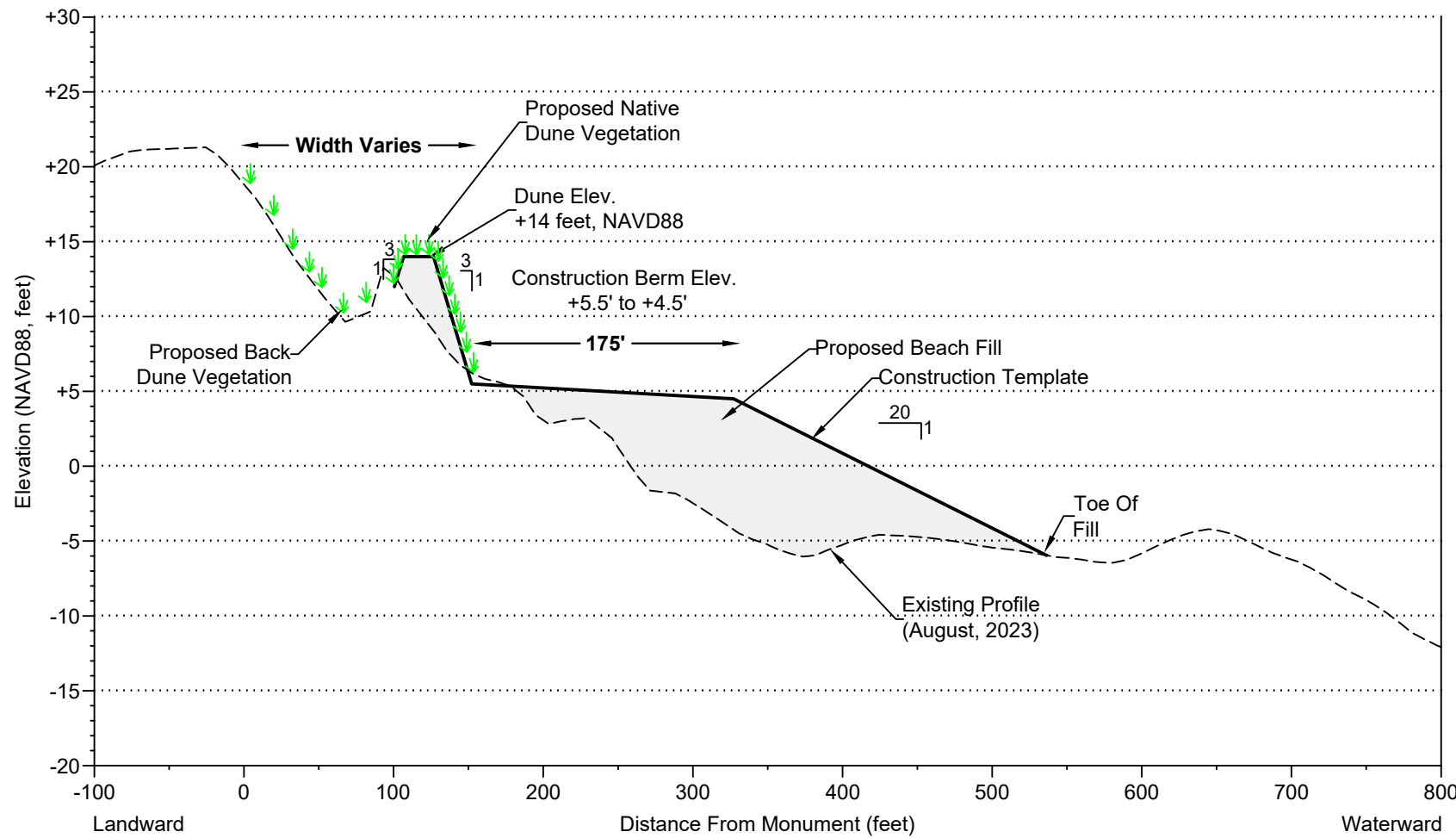
*A planting plan which includes location and dispersion of species will be provided by the Contractor and reviewed by the Engineer prior to installation.

TYPICAL VEGETATION PLANTING SCHEDULE



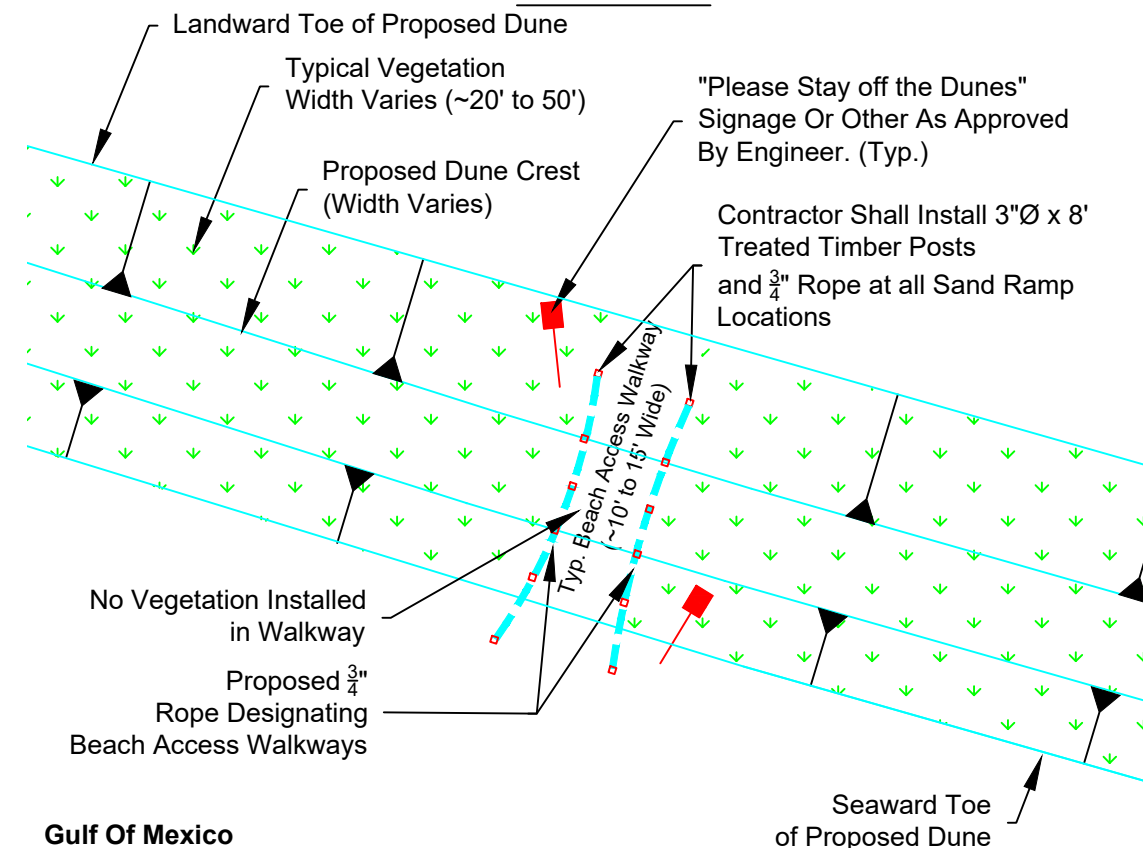
NOTE:

- 1.) THE CONTRACTOR MAY ATTEMPT TO ACHIEVE A NATURAL LOOK BY NOT PLANTING IN STRAIGHT ROWS AND MAY MODIFY THE SPACING REQUIREMENTS $\pm 6"$ FOR UP TO 25% OF THE PLANTS.
- 2.) CONTRACTOR SHALL PROVIDE PLANTS AND PLANTINGS ACCORDING TO TECHNICAL SPECIFICATIONS AND CONTRACT DOCUMENTS.



TYPICAL PLANTING CROSS SECTION

TYPICAL SAND RAMP POST & ROPE DETAIL



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Coastal, Marina & Water Resources Engineering

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- Elevations referenced to NAVD88.

TYPICAL VEG & ACCESS DETAILS
City of Mexico Beach, FL - Beach Restoration Project

Bay County Tourist Development Council
17001 Panama City Beach Parkway, Panama City Beach, Florida 32413

DESIGNED BY: **mrd**
DATE: May 1, 2024
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