

ESTERO ISLAND BEACH FILL PRELIMINARY DESIGN PLANS

PREPARED FOR:
TOWN OF FORT MYERS BEACH

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NOTES

1. TOPOGRAPHIC AND BATHYMETRIC SURVEYS OF ESTERO ISLAND COMPLETED BY COASTAL ENGINEERING CONSULTANTS, INC., ON MAY 26-27, 2021.
2. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE WEST ZONE OF FLORIDA AND REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD 83).
3. ELEVATIONS SHOWN HEREON ARE IN FEET AND TENTHS AND REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). REFERENCE BENCHMARK: STALEY, PID NO. BBCJ30, N: 772525.50, E: 671059.47, ELEV 4.0 FT NAVD88.
4. TIDAL REDUCTIONS WERE OBTAINED UTILIZING REAL-TIME KINEMATIC GPS AND REFERENCED TO NAVD88.
5. SURVEY ACCURACY STANDARDS, QUALITY CONTROL, AND QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH USACE EM 1110-2-1003, HYDROGRAPHIC SURVEYING MANUAL, 11/30/2013.
6. INFORMATION SHOWN HEREON REFLECTS CONDITIONS AS THEY EXISTED ON THE SURVEY DATE SHOWN AND CAN ONLY BE CONSIDERED INDICATIVE OF CONDITIONS AT THAT TIME.
7. AERIAL PHOTOGRAPHY OBTAINED FROM LEE COUNTY, DATED 2020.

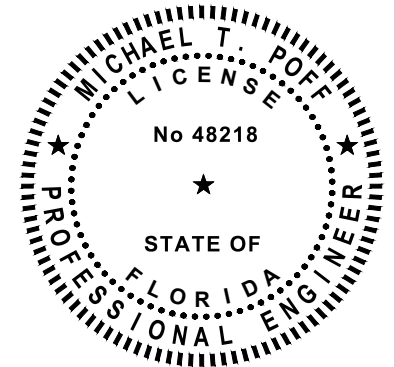
FOR PERMITTING
PURPOSES ONLY.
NOT TO BE USED FOR
CONSTRUCTION.



PUBLISHED TIDAL INFORMATION

LOCATION MAP

SCALE: 1" = 10,000'



SHEET 1
FILE NO.: 21504-P-1

**COASTAL
ENGINEERING
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Serving Coastal Communities Since 1977

28421 BONITA CROSSINGS BLVD
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SURVEYING: LB 2464

PHONE: (239)643-2324
FAX: (239)643-1143
www.coastalengineering.com
E-Mail: info@ceciff.com

CLIENT:

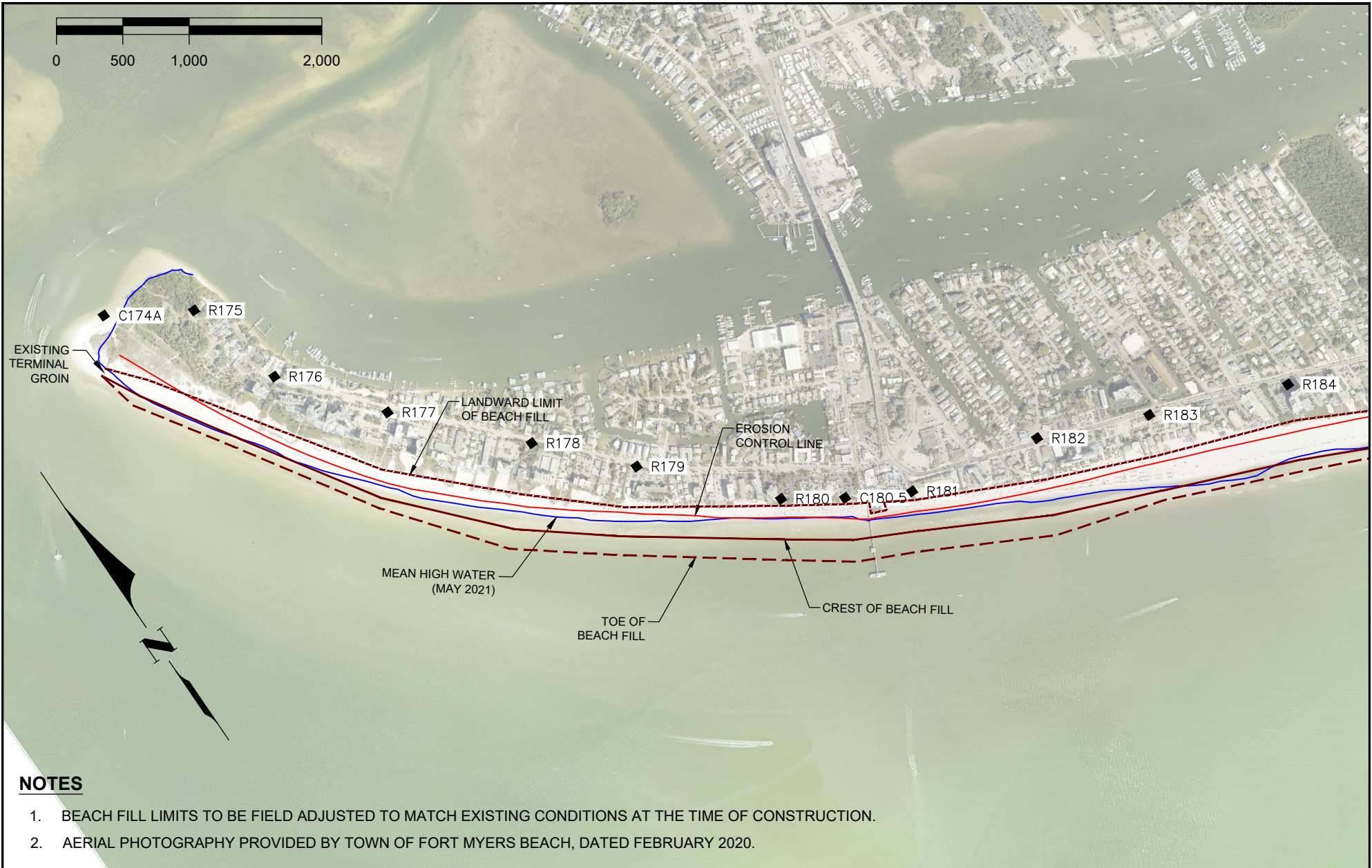
TOWN OF FORT MYERS BEACH

TITLE:

COVER SHEET

DATE:	7/27/2021	SCALE:	AS SHOWN
DRAWN:	VVA	F.B.	
CHECKED:	MTP	PG.	
SEC.	TWP.	RNG.	
ACAD NO.	21504 EI-P.dwg		
REF. NO.	21.504		

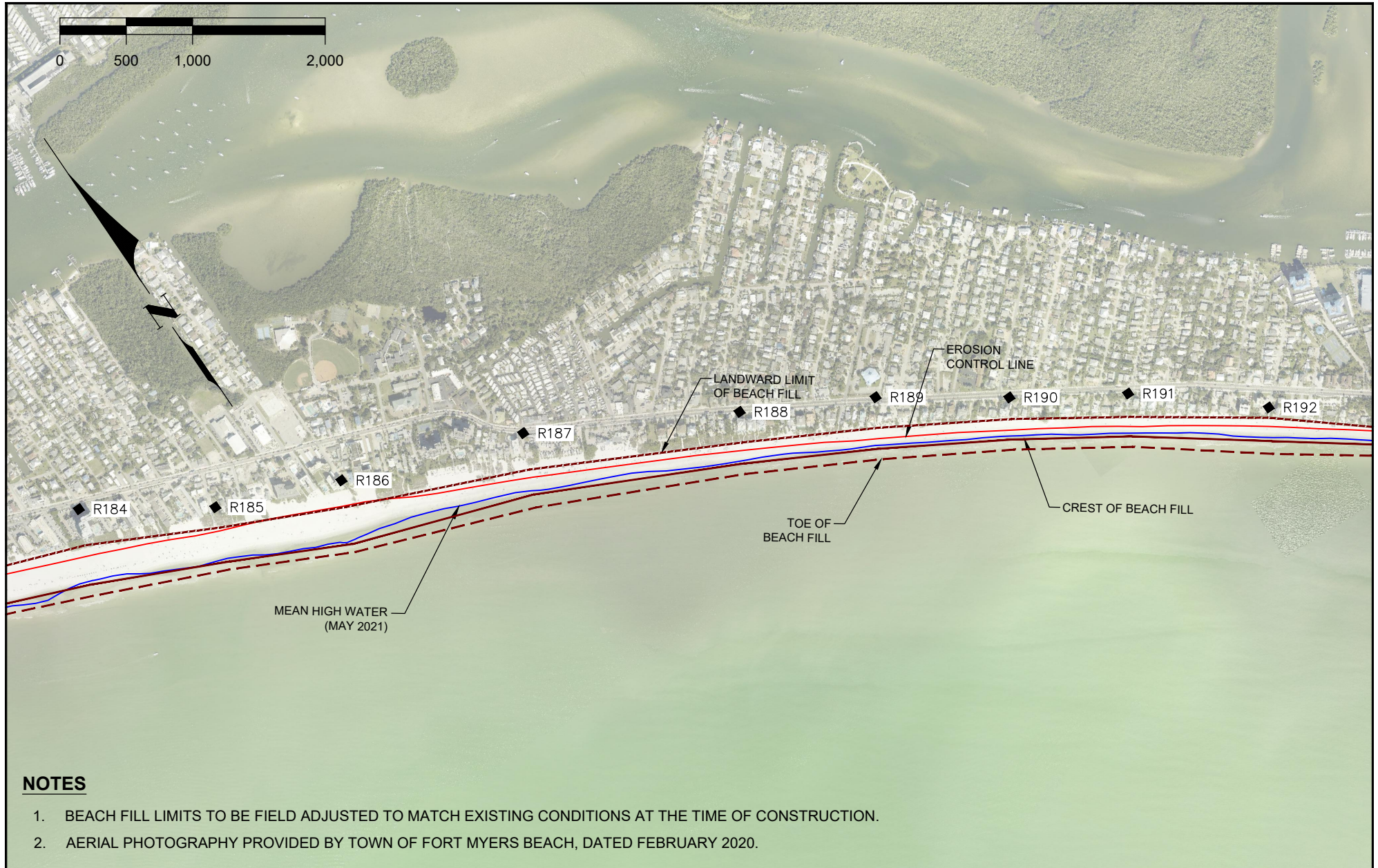
NO.	DATE	BY	REVISION DESCRIPTION
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NOTES

1. BEACH FILL LIMITS TO BE FIELD ADJUSTED TO MATCH EXISTING CONDITIONS AT THE TIME OF CONSTRUCTION.
2. AERIAL PHOTOGRAPHY PROVIDED BY TOWN OF FORT MYERS BEACH, DATED FEBRUARY 2020.

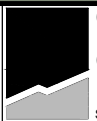
SHEET 2 FILE NO.: 21504-P-2  COASTAL ENGINEERING CONSULTANTS INC. Serving Coastal Communities Since 1977 28421 BONITA CROSSINGS BLVD BONITA SPRINGS, FLORIDA 34135	COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING: CA 2464 SURVEYING: LB 2464 PHONE: (239)643-2324 FAX: (239)643-1143 www.coastalengineering.com E-Mail: info@ceciff.com	CLIENT: TOWN OF FORT MYERS BEACH	DATE: 7/27/2021	SCALE: AS SHOWN				
	TITLE: FILL TEMPLATE DESIGN: R-175 TO R-184		DRAWN: VVA	F.B.				
			CHECKED: MTP	PG.				
			SEC. TWP. RNG.					
			ACAD NO. 21504 EI-P.dwg					
			REF. NO. 21.504					
		NO.	DATE	BY	REVISION DESCRIPTION			



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SHEET 3
FILE NO.: 21504-P-3



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CLIENT:

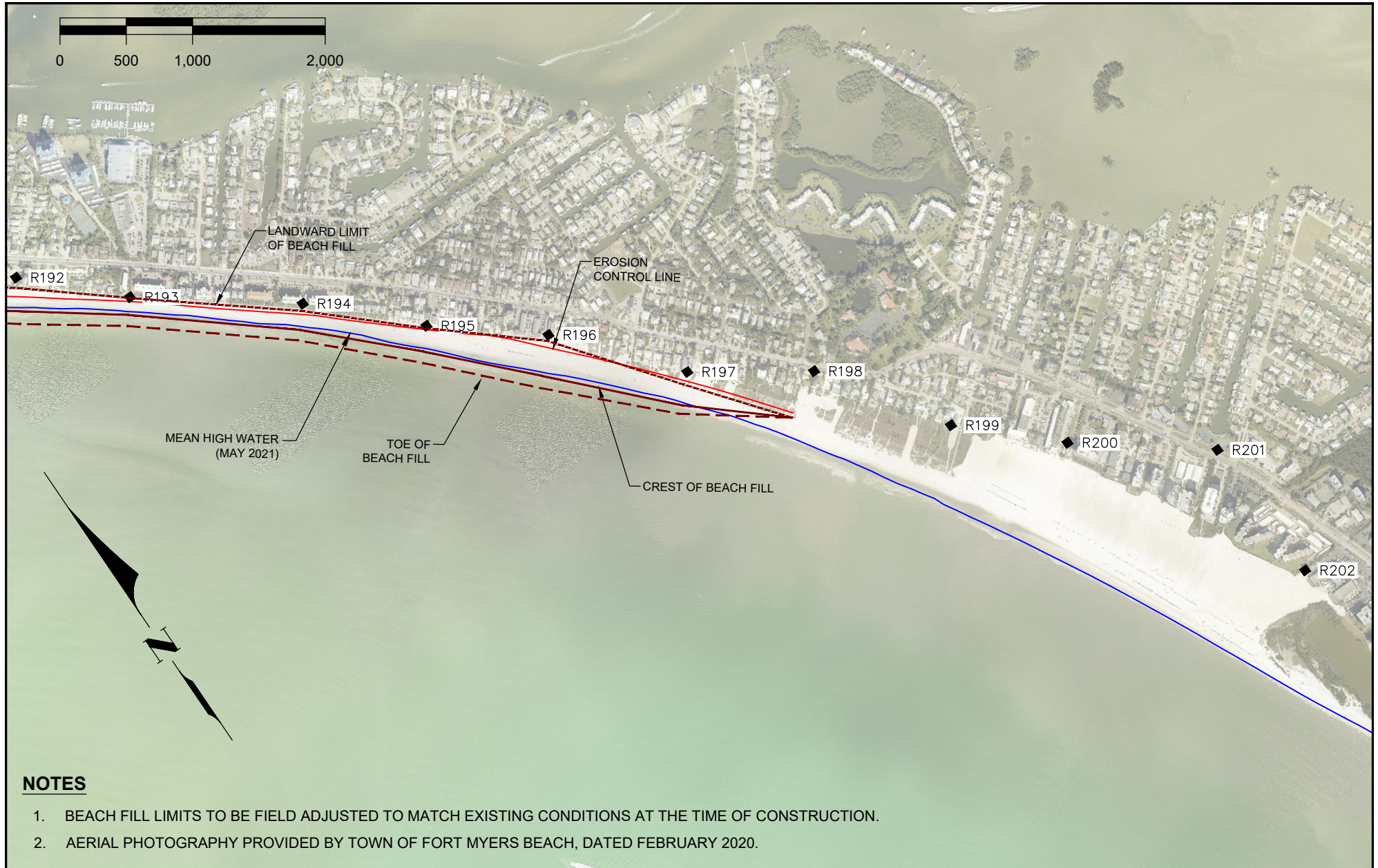
TOWN OF FORT MYERS BEACH

TITLE:

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DRAWN:	VVA	F.B.	
CHECKED:	MTP	PG.	
SEC.	TWP.	RNG.	
ACAD NO.	21504 EI-P.dwg		
REF. NO.	21.504		

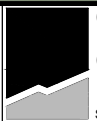
NO.	DATE	BY	REVISION DESCRIPTION



NOTES

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SHEET 4
FILE NO.: 21504-P4



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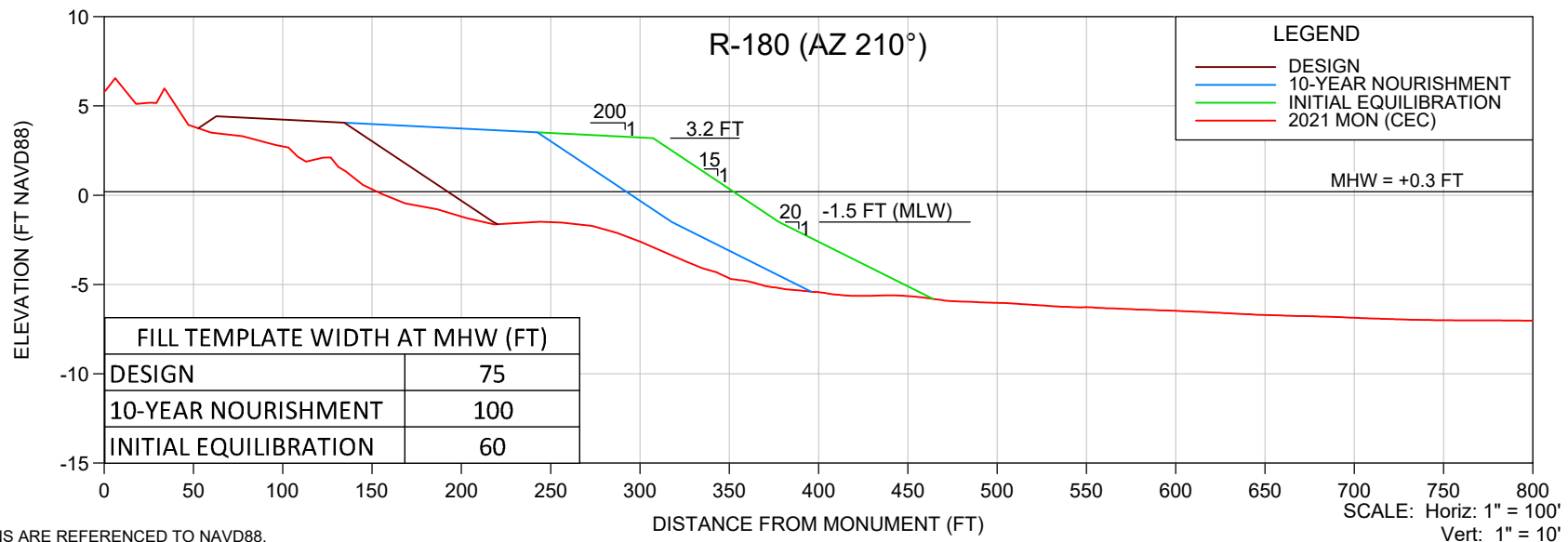
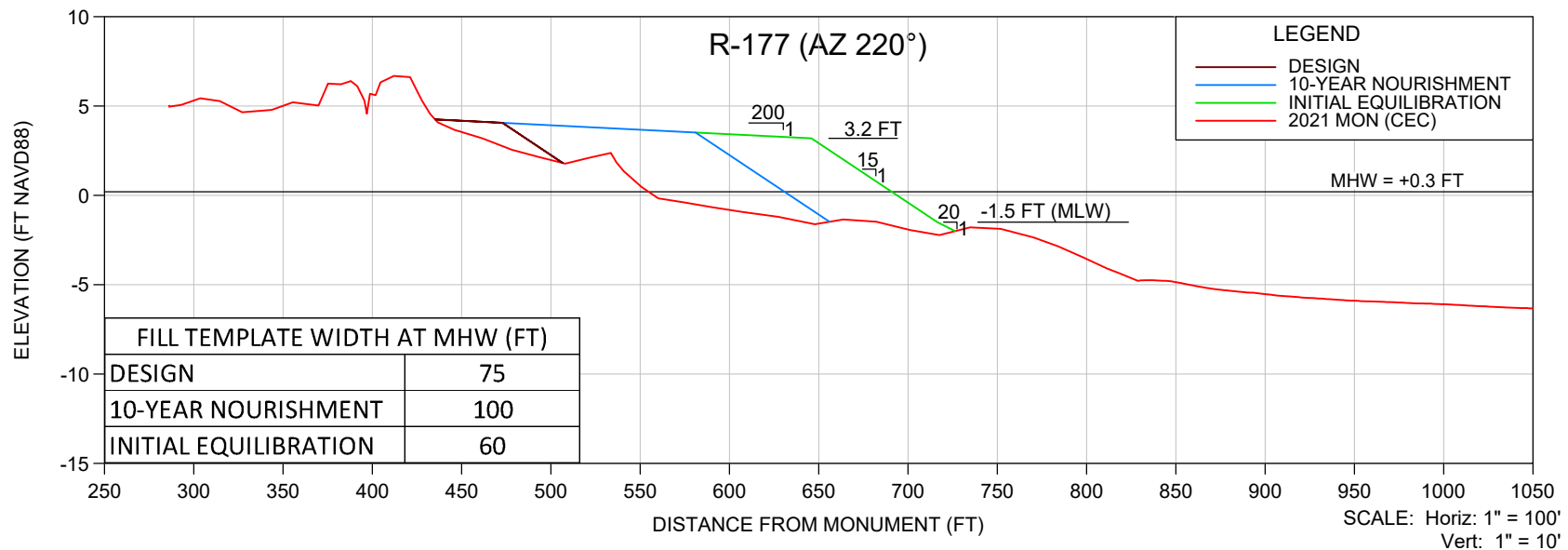
TOWN OF FORT MYERS BEACH

TITLE:

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DRAWN:	VVA	F.B.	
CHECKED:	MTP	PG.	
SEC.	TWP.	RNG.	
ACAD NO.	21504 EI-P.dwg		
REF. NO.	21.504		

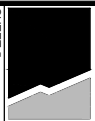
NO.	DATE	BY	REVISION DESCRIPTION



NOTES:

1. ELEVATIONS ARE REFERENCED TO NAVD88.
2. PROFILE DATA IS FROM SURVEYS BY CEC.

SHEET 5
FILE NO.: 21504.P5



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CLIENT:

TOWN OF FORT MYERS BEACH

TITLE:

**TYPICAL FILL TEMPLATE DESIGN
ESTERO ISLAND NORTH**

DATE:

7/27/2021

SCALE:

AS SHOWN

DRAWN:

VVA

CHECKED:

MTP

SEC.

TWP.

RNG.

ACAD NO.

21504 EI-P.dwg

REF. NO.

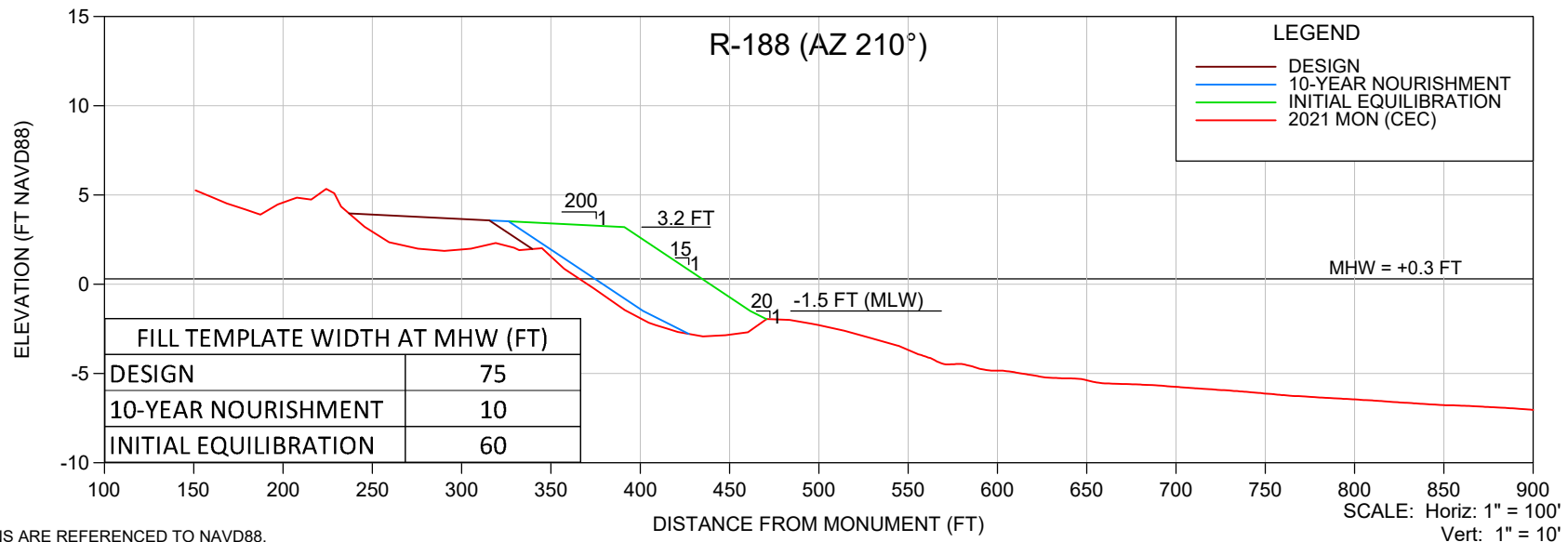
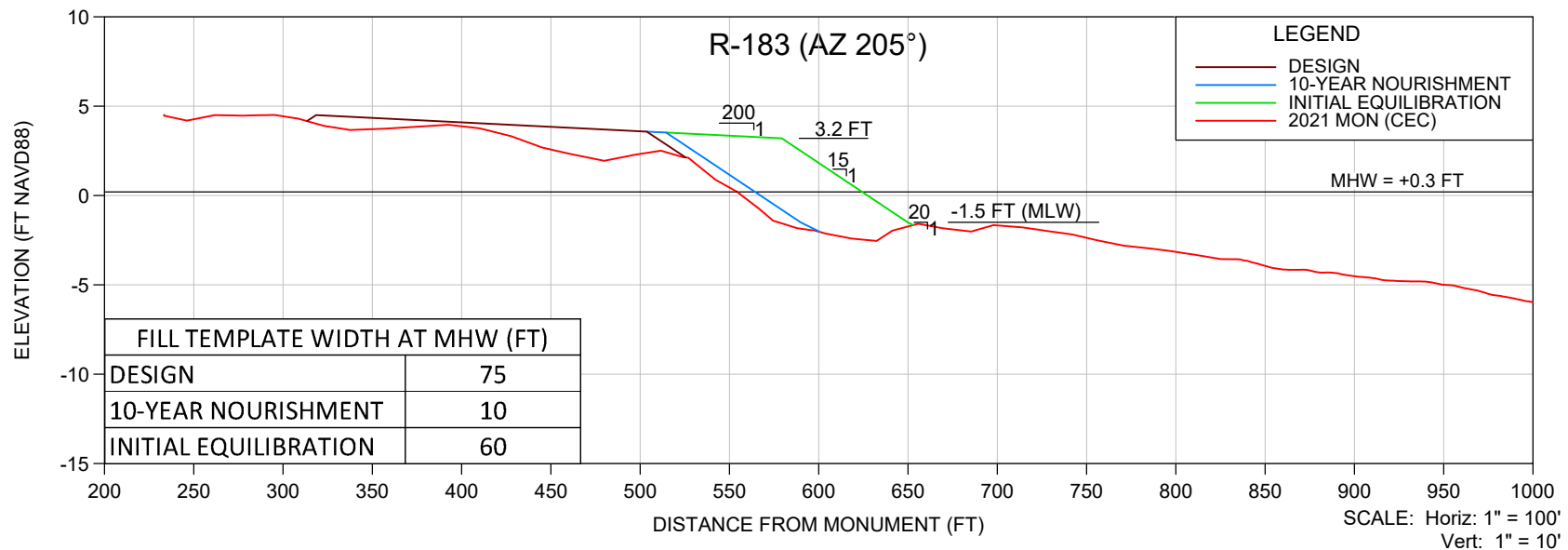
21.504

NO.

DATE

BY

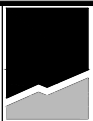
REVISION DESCRIPTION



NOTES:

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- PROFILE DATA IS FROM SURVEYS BY CEC.

SHEET 6
FILE NO.: 21504-P-6



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E-Mail: info@ceciff.com

CLIENT:

TOWN OF FORT MYERS BEACH

TITLE:

**TYPICAL FILL TEMPLATE DESIGN
ESTERO ISLAND CENTRAL 1**

DATE:

7/27/2021

SCALE:

AS SHOWN

DRAWN:

VVA

F.B.

CHECKED:

MTP

PG.

SEC.

TWP.

RNG.

ACAD NO.

21504 EI-P.dwg

REF. NO.

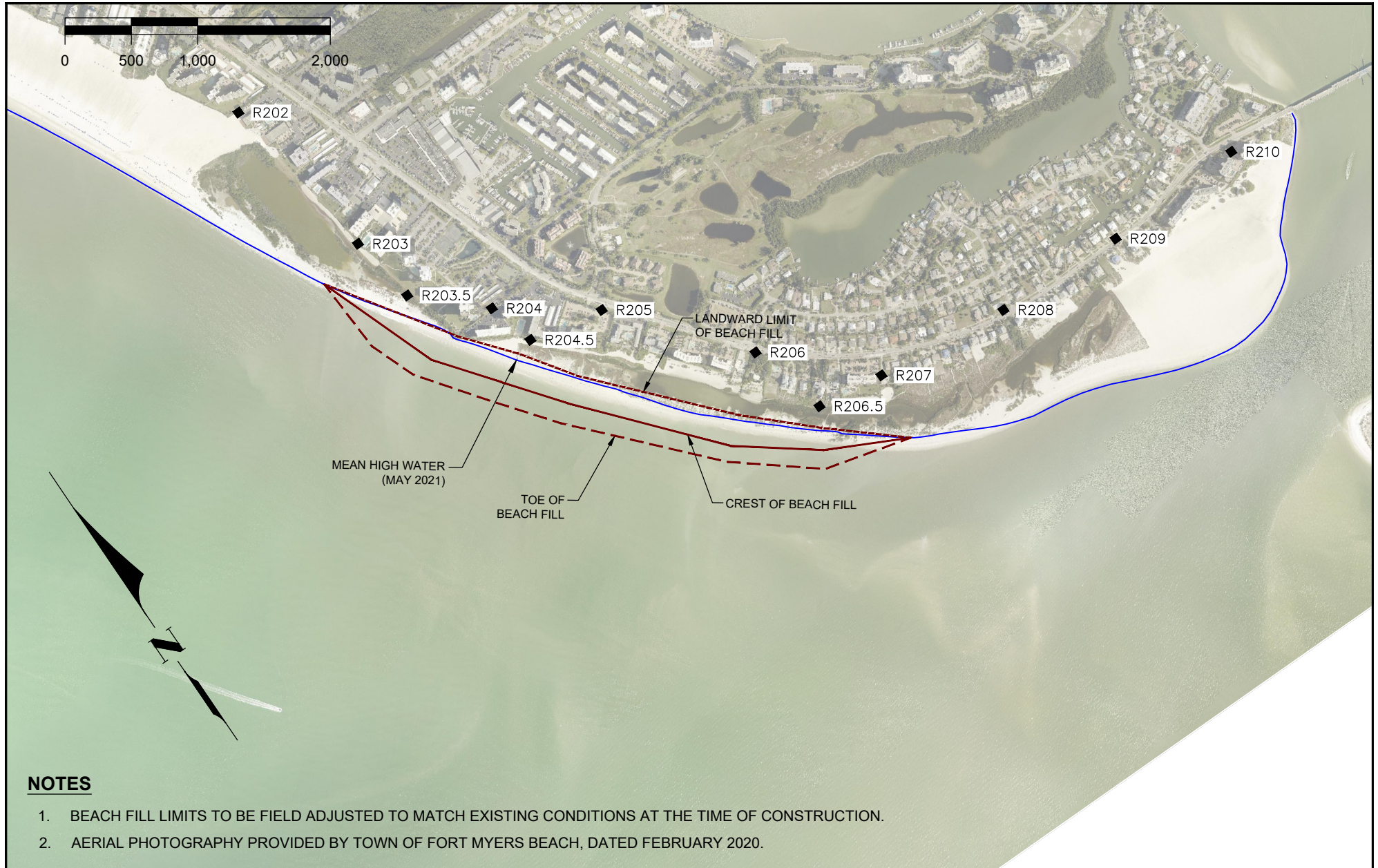
21.504

NO.

DATE

BY

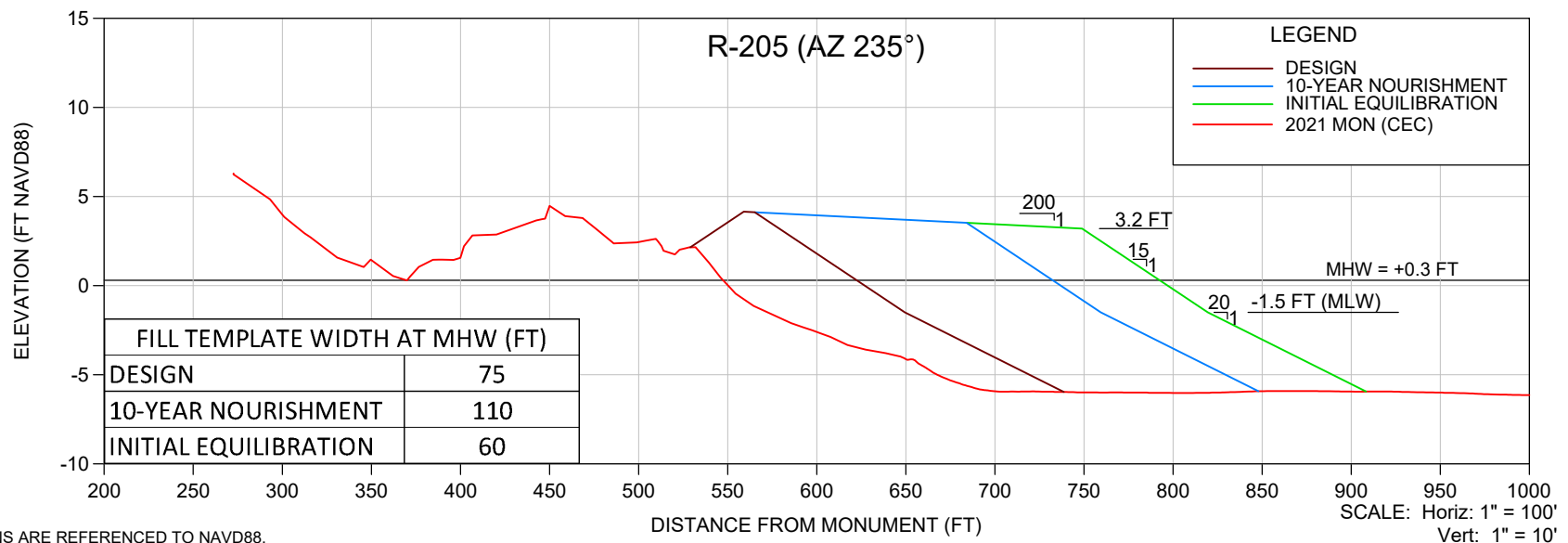
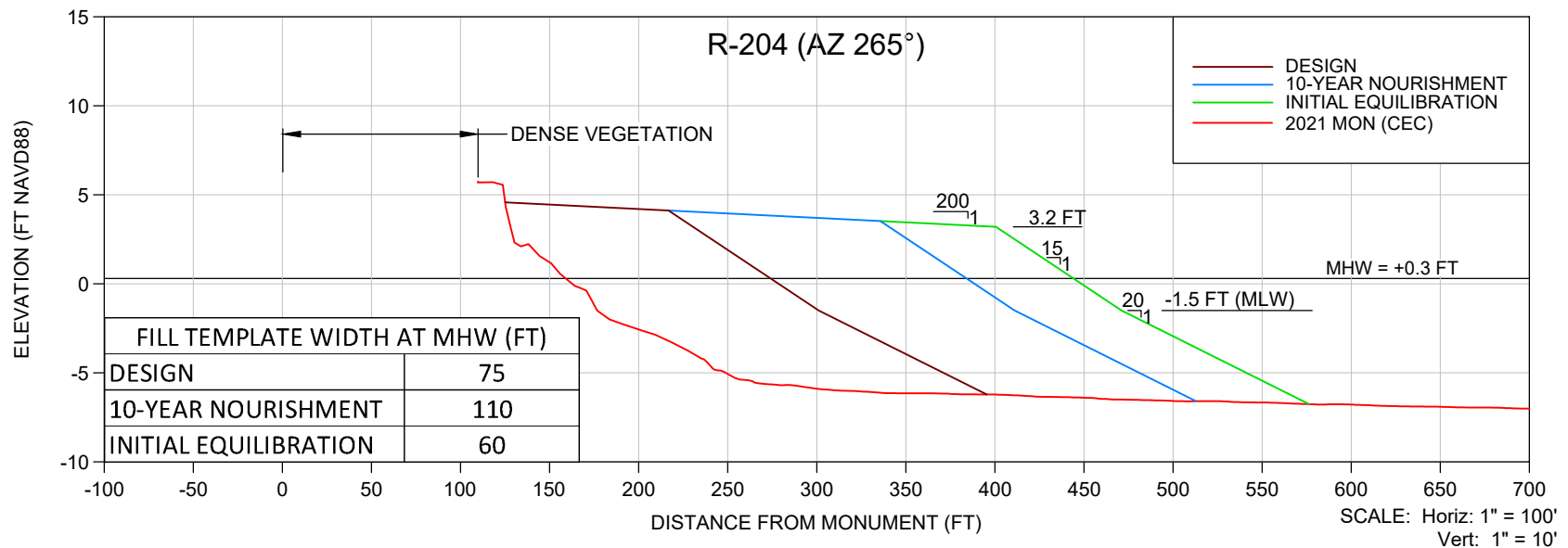
REVISION DESCRIPTION



NOTES

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2. AERIAL PHOTOGRAPHY PROVIDED BY TOWN OF FORT MYERS BEACH, DATED FEBRUARY 2020.

SHEET 8 FILE NO.: 21504-P-8  Serving Coastal Communities Since 1977 28421 BONITA CROSSINGS BLVD BONITA SPRINGS, FLORIDA 34135 COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING: CA 2464 SURVEYING: LB 2464 PHONE: (239)643-2324 FAX: (239)643-1143 www.coastalengineering.com E-Mail: info@ceciff.com	CLIENT: TOWN OF FORT MYERS BEACH		DATE: 7/27/2021		SCALE: AS SHOWN							
	TITLE: FILL TEMPLATE DESIGN: R-202 TO R-210		DRAWN: VVA		F.B.							
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			SEC.		TWP.		RNG.					
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			REF. NO.		21.504		NO.	DATE	BY	REVISION DESCRIPTION		



NOTES:

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SHEET 9
FILE NO.: 21504-P-9

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CLIENT:

TOWN OF FORT MYERS BEACH
TYPICAL FILL TEMPLATE DESIGN
ESTERO ISLAND SOUTH

TITLE:

DATE:	7/27/2021	SCALE:	AS SHOWN
DRAWN:	VVA	F.B.	
CHECKED:	MTP	PG.	
SEC.	TWP.	RNG.	
ACAD NO.	21504 EI-P.dwg		
REF. NO.	21.504		

NO.	DATE	BY	REVISION DESCRIPTION