



Beach Management Funding Assistance Program
FY 2021/22 Local Government Funding Request
Beach Projects Application

PART I: GENERAL INFORMATION

Local Sponsor

Local Sponsor Federal ID Number (FEID)

Contact Name Title

Mailing Address Line 1

Mailing Address Line 2

City Zip Code Telephone Number

Email Address

Additional Contact Information

Alternate Contacts:
Bruce Westberry, Fiscal Manager
Mike Campbell, Project Manager
239-533-8109

PART II: CERTIFICATION

I hereby certify that all information provided with this application is true and complete to the best of my knowledge.

Signature of Local Sponsor

Electronic or scanned signatures accepted.

Printed Name Date



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PART III: EVALUATION CRITERIA

1. Project Name: (as listed in the Strategic Beach Management Plan)

Lovers Key, Lee County

2. Project Description: Include county, location with reference to FDEP range monuments, brief project history, and description of proposed activities. (Note: The box will expand as needed. To expand for printing purposes, click anywhere outside the box when complete.)

The non-federal Lovers Key Restoration Project (R214.5-R220.5) was constructed in October 2004. The 1.1 mile beach and dune restoration project was completed on Lovers Key State Park and consisted of placing approximately 570,240 cy of material taken from a borrow site in Big Carlos Pass ebb shoal complex. Lee County is the local sponsor working in cooperation with FDEP's Division of Recreation and Parks.

Nourishment was completed in December 2014 in conjunction with the Bonita Beach project to the south. The project placed approximately 342,350 cy of material on Lover's Key from the Big Carlos Pass ebb shoal complex. Since construction, the project has been indirectly impacted by several tropical cyclones, most notably Hurricane Irma in 2017. This is suspected of contributing to the shorter than anticipated nourishment interval.

The 2014 borrow area was functionally depleted but may be reconsidered in the future pending recovery and adoption of an inlet management plan. In anticipation of permit modifications supporting future nourishment, additional sand sources are being identified under FDEP funding Agreement 19LE12. The final report is anticipated Fall 2021 and existing permits will be modified to include the newly identified sand source(s).

This funding request is to move the project into the next nourishment phase. Work is expected to be done in cooperation with Bonita Beach Nourishment and Fort Myers Beach Nourishment.



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3. Use of Requested Program Funds: Provide a brief description of tasks to be completed in each requested phase (Feasibility, Design, Construction, and/or Monitoring). Indicate which tasks are cost reimbursement, if the work has already been completed.

Construction - Completion of plans, specs, and construction drawings; bid services; implementation of nourishment with all permit required conditions and environmental monitoring and controls; construction inspection and completion certification; one year of post-construction monitoring (physical, turtle, bird).

4. Map: Provide as an attachment. The map(s) of the project area must be formatted at a minimum of 1" = 200' scale.

Map elements must include:

- Compass rose with North arrow, scale, and legend.
- Project boundary, including the length of critically eroded shoreline
- FDEP range monuments
- Beach access: indicate primary or secondary access, and include the access width, number and location of parking spaces, bus stops, bike racks, and public restroom facilities
- Public lodging establishments: include the width fronting the project shoreline (for recreational benefits ranking points and eligibility determination), and include the length of street-side frontage within one-quarter mile walking distance of a secondary public access point (for eligibility determination)
- Comprehensive list of current land use designations of properties along the project shoreline (for recreational benefits ranking points)
- Include one-quarter mile buffer and provide a comprehensive list of the values of properties that are enclosed or intersected by the buffer (for value of upland property ranking points)

5. Project length: Total restored project length (in feet) of the critically eroded area (as listed in the Strategic Beach Management Plan).

5,900'



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7. Schedule and Budget:

- Cost Reimbursement: Specify eligible costs incurred during the three years prior to the current application's fiscal year that have not been reimbursed. Eligible costs will be included in the funding request for the current application.
- Current and Future Costs: Specify eligible costs for the current application's fiscal year that are not in a current DEP agreement and have not been reimbursed. Include the estimated costs for the next 5 years and the proposed phases for the next 10 years.

Year	Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
18/19						
18/19						
18/19						
18/19						
18/19						
18/19						
18/19						
18/19						
18/19						
18/19						
18/19						
18/19						
18/19						
Year	Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
19/20						
19/20						
19/20						
19/20						
19/20						
19/20						
19/20						
19/20						
19/20						
19/20						
19/20						
19/20						



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Year	Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
20/21						
20/21						
20/21						
20/21						
20/21						
20/21						
20/21						
20/21						
20/21						
20/21						
20/21						
20/21						
20/21						
20/21						
20/21						
Year	Proposed Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
21/22	Construction	Second Nourishment	\$11,300,000	0	9,971,120	1,328,880
21/22						
21/22						
21/22						
21/22						
21/22						
21/22						
21/22						
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21/22						
21/22						
21/22						
21/22						
21/22						
21/22						
Year	Proposed Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
22/23	Monitoring	Year 1 post-construction monitoring	40,000	0	20,000	20,000
22/23						



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24/25						
24/25						
24/25						
24/25						
Year	Proposed Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
25/26	Monitoring	Year 4 post-construction monitoring	35,000	0	17,500	17,500
25/26						
25/26						
25/26						
25/26						
25/26						
25/26						
25/26						
25/26						
25/26						
25/26						
25/26						
25/26						
25/26						
Year	Proposed Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
26/27	Monitoring	Year 5 post-construction monitoring	35,000	0	17,500	17,500
26/27						
26/27						
26/27						
26/27						
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Year	Proposed Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
27/28	Monitoring	Year 6 post-construction monitoring	35,000	0	0	35,000
27/28						
27/28						
27/28						
27/28						
27/28						
27/28						
27/28						
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27/28						
27/28						
Year	Proposed Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
28/29	Monitoring	Year 7 post-construction monitoring	35,000	0	0	35,000
28/29						
28/29						
28/29						
28/29						
28/29						
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28/29						
28/29						
28/29						
Year	Proposed Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
29/30	Design	Design and permit updated	150,000	0	75,000	75,000
29/30						



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29/30						
29/30						
29/30						
29/30						
29/30						
29/30						
29/30						
29/30						
29/30						
29/30						
Year	Proposed Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
30/31	Construction	Third Nourishment	14,000,000	0	12,320,000	1,680,000
30/31						
30/31						
30/31						
30/31						
30/31						
30/31						
30/31						
30/31						
30/31						
30/31						
30/31						

8. Tourism-related impacts: Criteria is calculated by the Department. For reference, tax data can be obtained from the Department of Revenue website: https://floridarevenue.com/taxes/pages/colls_from_7_2003.aspx.

- Current funding request includes construction and year one post-construction monitoring
- Project is managed by two or more counties

Additional comments



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9. Federal involvement: The documentation to verify authorization, federal cost share percentage, and status of funding award must be provided with the application materials for the award of points.

Is the project Federally authorized by the USACE? No

Authorization Year: Expiration Year:

Does this project have a signed USACE Chief's report for authorization of the requested phase? No

USACE federal cost share percentage for this project (excluding FCCE):

Select all that apply for the requested project phase(s):

- Executed USACE project agreement
Included in USACE work plan
Approved FEMA Project Worksheet
Included in Congressional Appropriations Act
Other documentation:

10. Storm damage reduction benefits: Criteria is calculated by the Department.

What is the volume (cy) of advanced nourishment lost since the last sand placement event of a beach restoration or nourishment project as measured above the Mean High Water contour? Data should be consistent with the annual post-construction monitoring reports. 128,561/145,360 (88%)

For restoration projects, what is the historical erosion rate?

11. Cost effectiveness: Criteria is calculated by the Department. A project design analysis and supporting documentation must be provided with the application materials for the award of points.

What is the proposed sand placement volume (cy)? 415,000

What is the nourishment interval (years)? 8

Select all that apply for the current project funding request:

- Enhanced longevity: Propose structural or design components that could extend the beach nourishment interval
Dune addition: Incorporate new or enhanced dune structures or new or existing dune restoration and revegetation projects
Innovative technology: Propose innovative technologies designed to reduce project costs
Regionalization: Two or more local sponsors manage projects together or projects propose regional sediment management strategies to conserve sand resources or reduce project costs



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Additional comments for storm damage reduction benefits and cost effectiveness

Planting of native dune vegetation will be included throughout. Dune construction will be considered in context with performance as measured by physical monitoring pre-construction conditions. Lee County and Town of Ft Myers Beach have agreed to cooperate on the next nourishment event. See attached resolution.

12. Previous state commitment

Has the Department previously reviewed, approved, and cost-shared on a feasibility or design phase for this project? Yes

Has the current proposed project phase(s) received a partial appropriation within 3 years of phase completion? No

Additional comments

[Empty text box for additional comments]

13. Accessible beach area: Criteria is calculated by the Department. Provide data to be considered for the calculation.

Describe the landward and seaward edge of the accessible beach width

Area bounded by ECL and +40' design profile. (236,000 sf)

Provide the project boundaries (R-monuments)

R-215-500' through R-220+500' (5900')

Provide citations of reference sources

0311811-001-JC, joint coastal permit and application

14. Recreational benefits: Provide the percentage of linear footage within the project boundaries which is zoned recreational or open space; for commercial use; or to allow for public lodging establishment, or the equivalent.

100% within Lovers Key State Park

15. Mitigation of inlet effects: Criteria is calculated by the Department.

Additional comments

Project is within the AOI of Big Carlos Pass to the North and New Pass to the south, and is undergoing a re...





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16. Successive unfunded requests

Is the current proposed project phase(s) a successive, unfunded request? If so, how many years of successive request(s) is the current application?

Does the successive request add the construction phase?

17. Environmental habitat enhancement: Criteria is calculated by the Department.

Is the project within a designated critical habitat area for threatened or endangered species that is subject to extensive shoreline armoring?

Is the project within a non-designated area where extensive shoreline armoring threatens the habitat of threatened or endangered species?

If yes to either of the above, does the project exceed best management practices to incorporate turtle-friendly designs and management strategies to protect resources or benefit critical habitat preservation?

Provide an explanation and supporting documentation for the strategies which exceed best management practices

18. Readiness to construct

Does the project have an active state permit?

Does the project have an active federal permit?

Permit number

Permit number

Authorization date

Authorization date

Expiration date

Expiration date

Have all necessary easements been acquired for the upcoming or proposed construction phase?

Has the necessary local funding been secured for the proposed project? If so, provide a copy of the draft Resolution. The signed Resolution is due by November 20, 2020.

Is an Erosion Control Line established along the project length?

Additional comments



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Provide additional information and comments below or attach separate documents.

4. Maps attached.

4A: Project details

4B: Parking and access overview

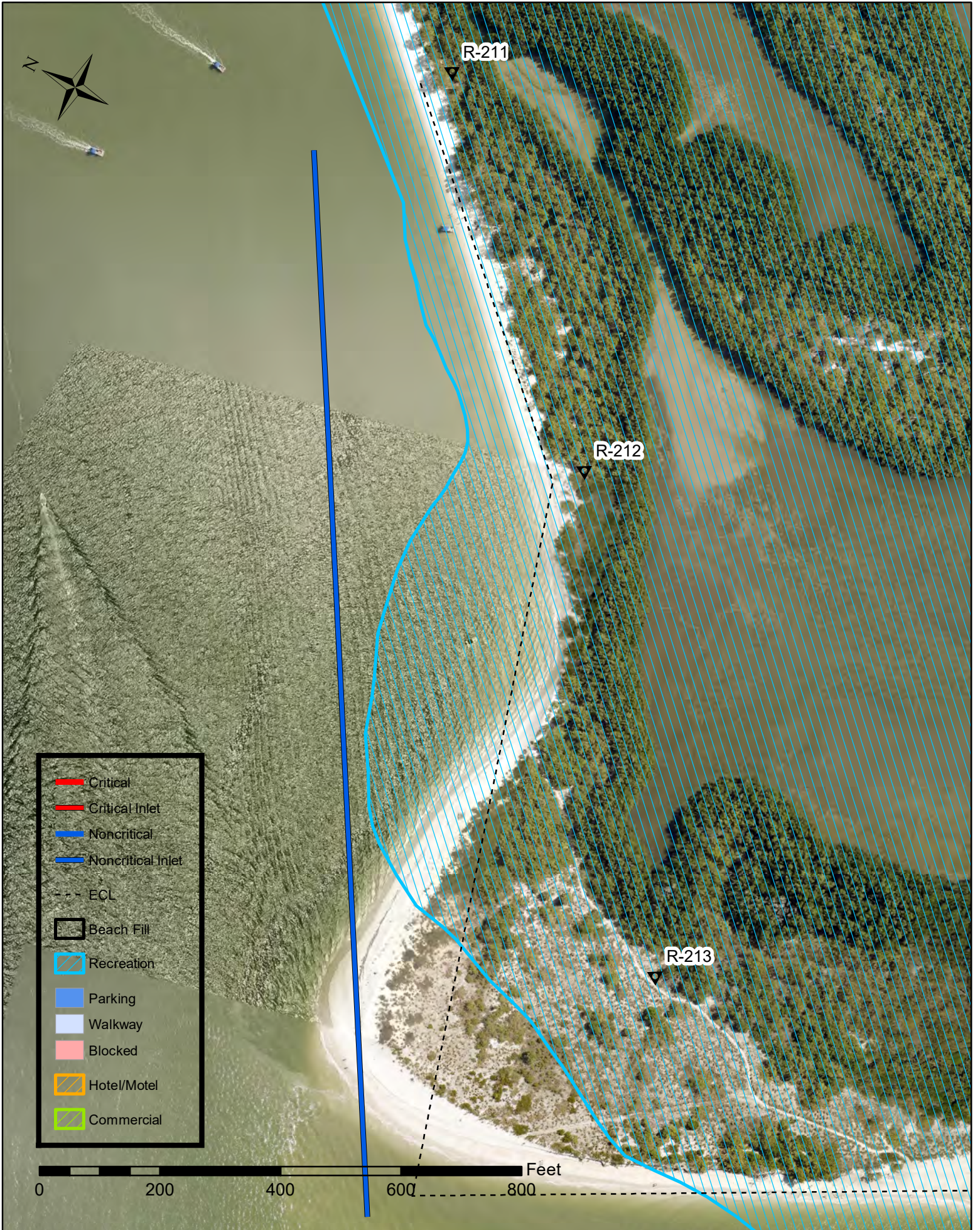
4C: ECL buffer and parcel values

7. Cost estimates are based on joint bidding with Bonita Beach nourishment using offshore sand. This is a worst case scenario from a cost perspective. We anticipate that cooperative implementation of this project with Bonita Beach and Fort Myers Beach could result in significant efficiencies of sand use and cost savings.

10. Profiles and calculations attached.

18. Draft Resolution attached.

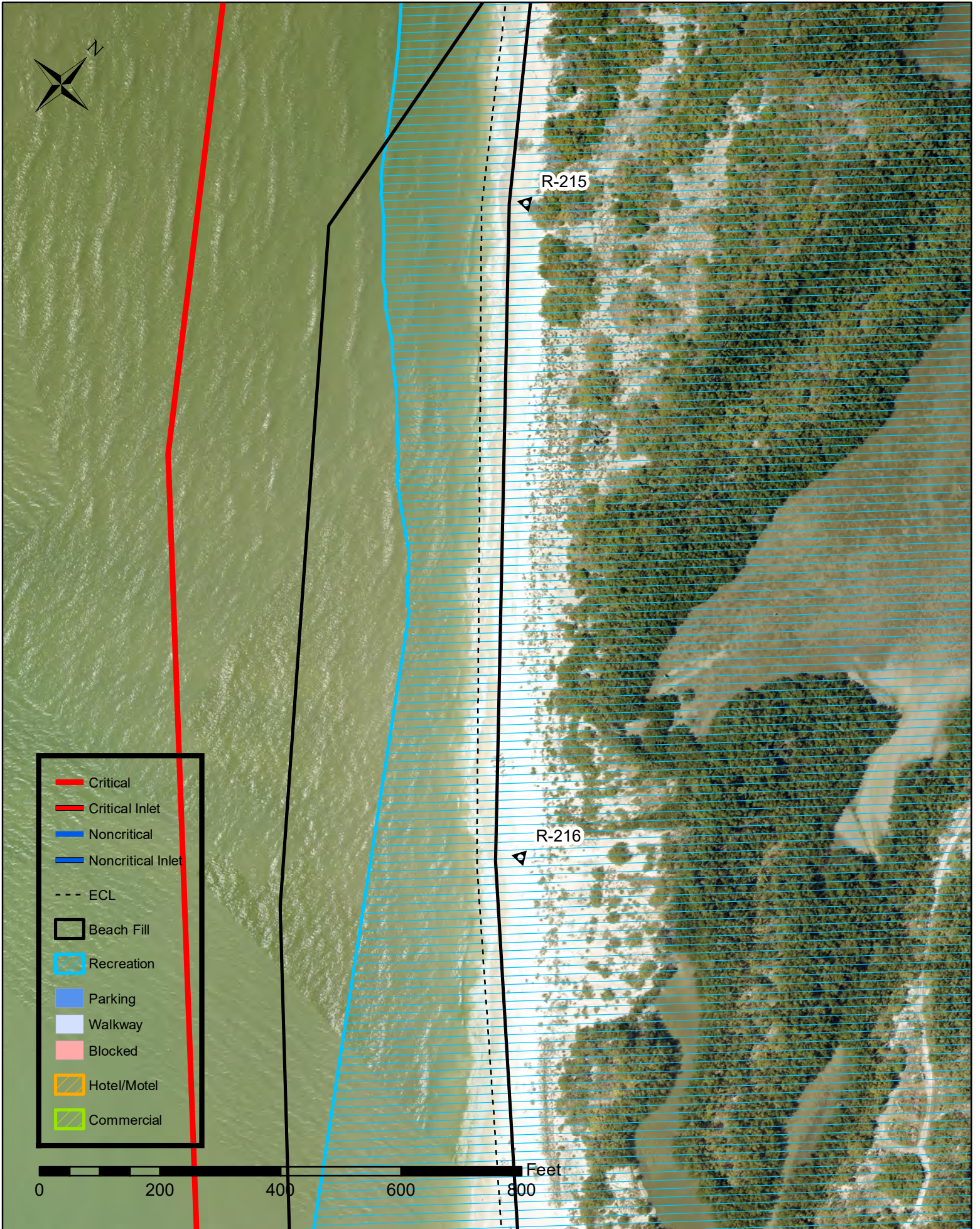
4A. Lovers Key - Project Details



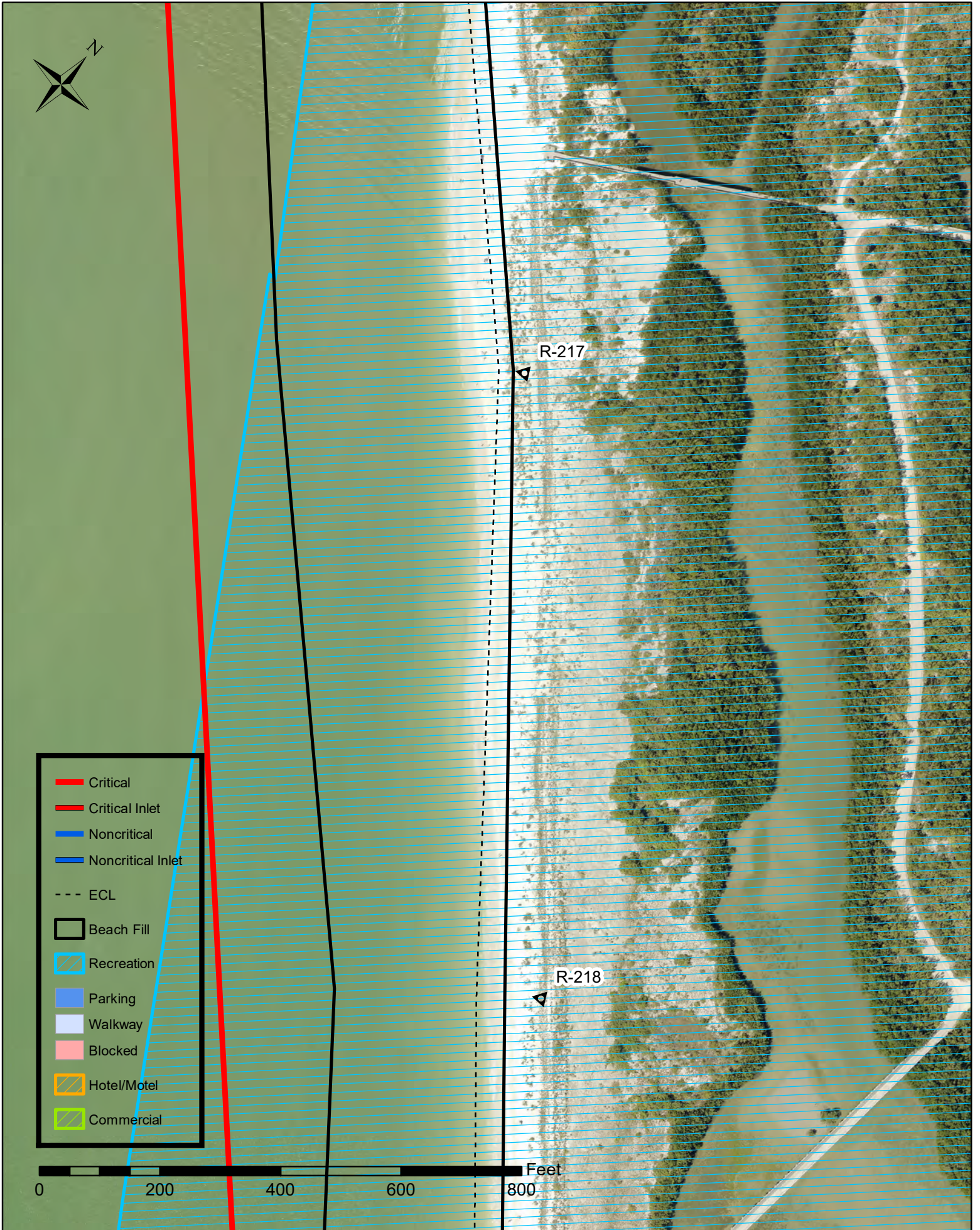
4A. Lovers Key - Project Details



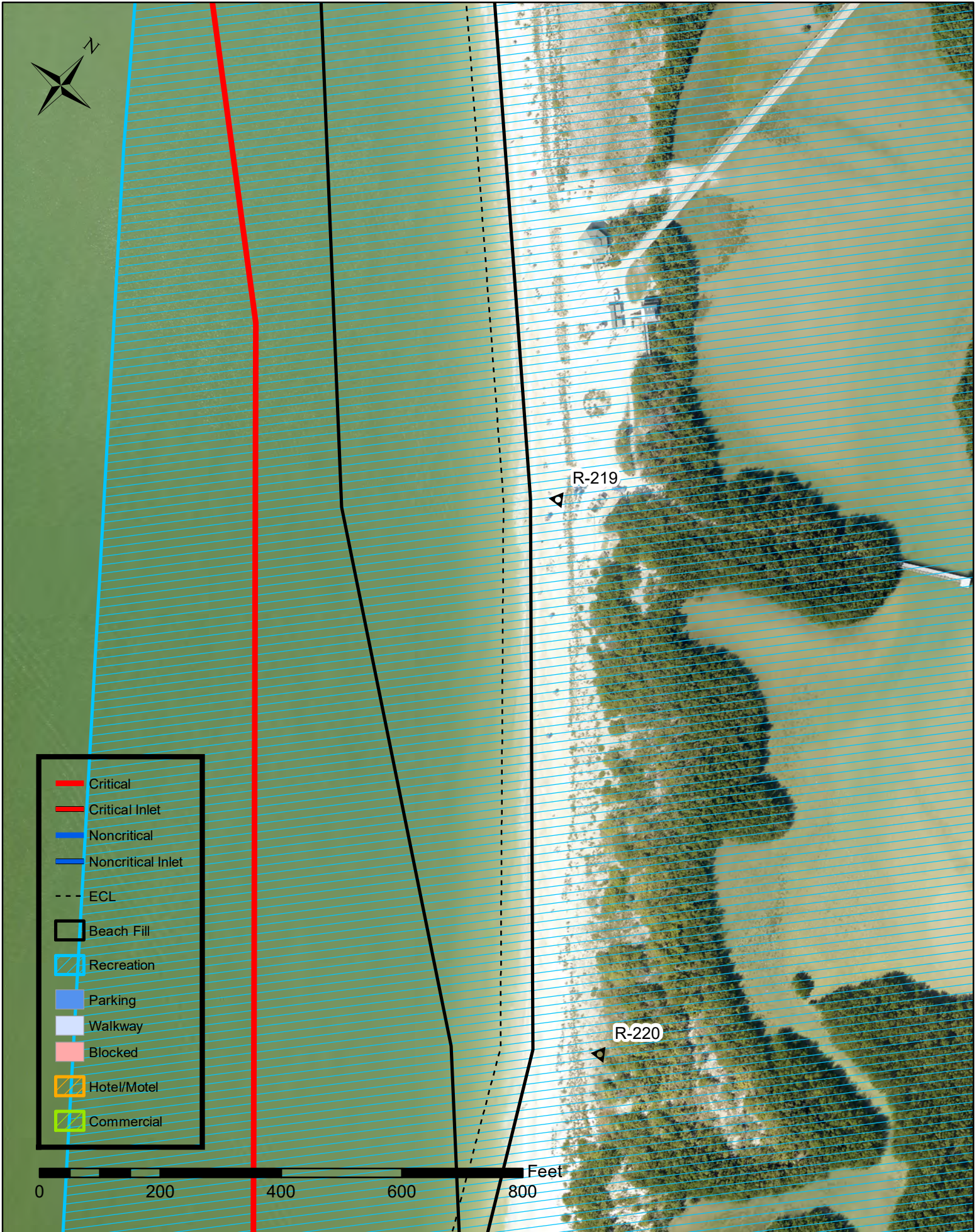
4A. Lovers Key - Project Details



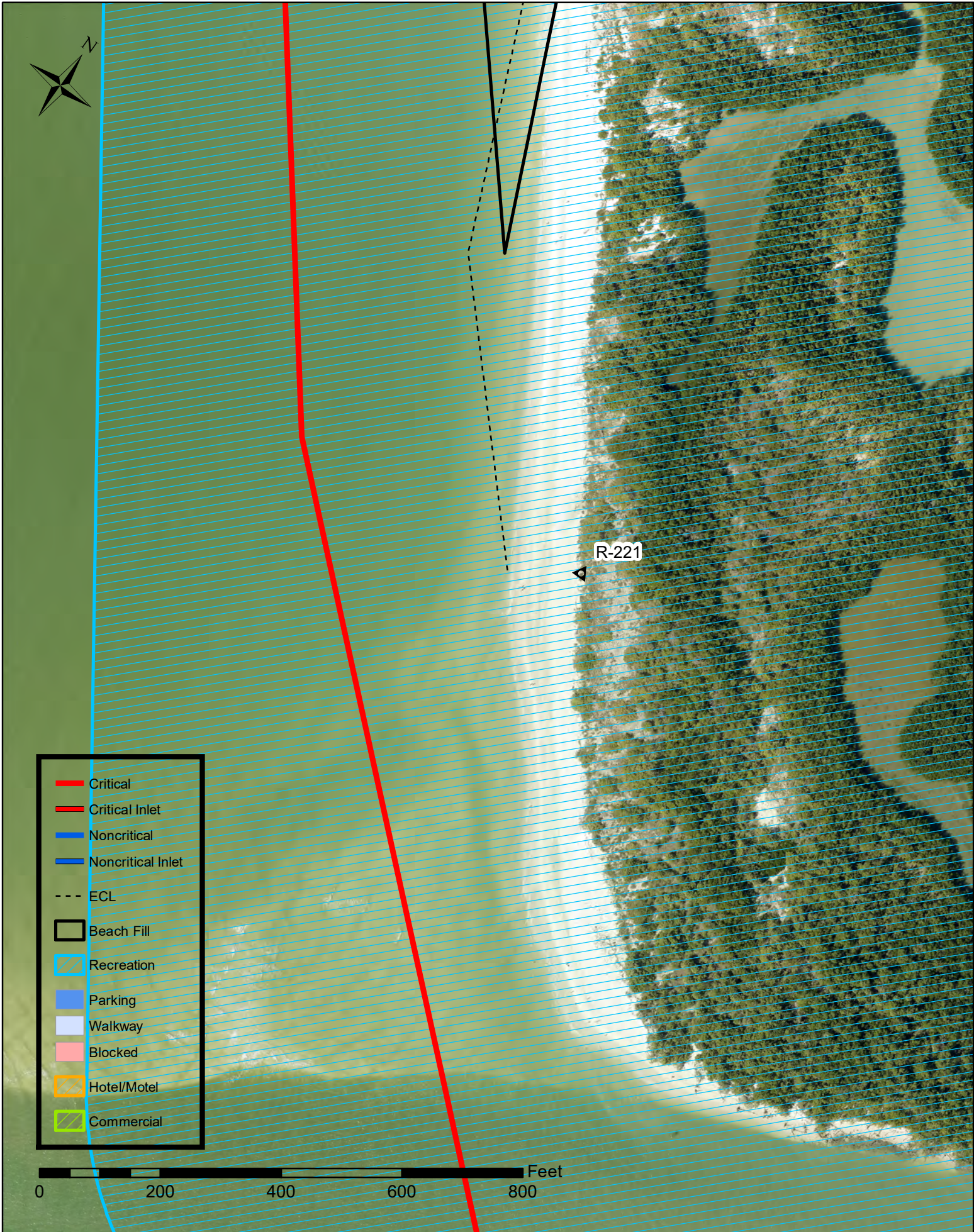
4A. Lovers Key - Project Details



4A. Lovers Key - Project Details



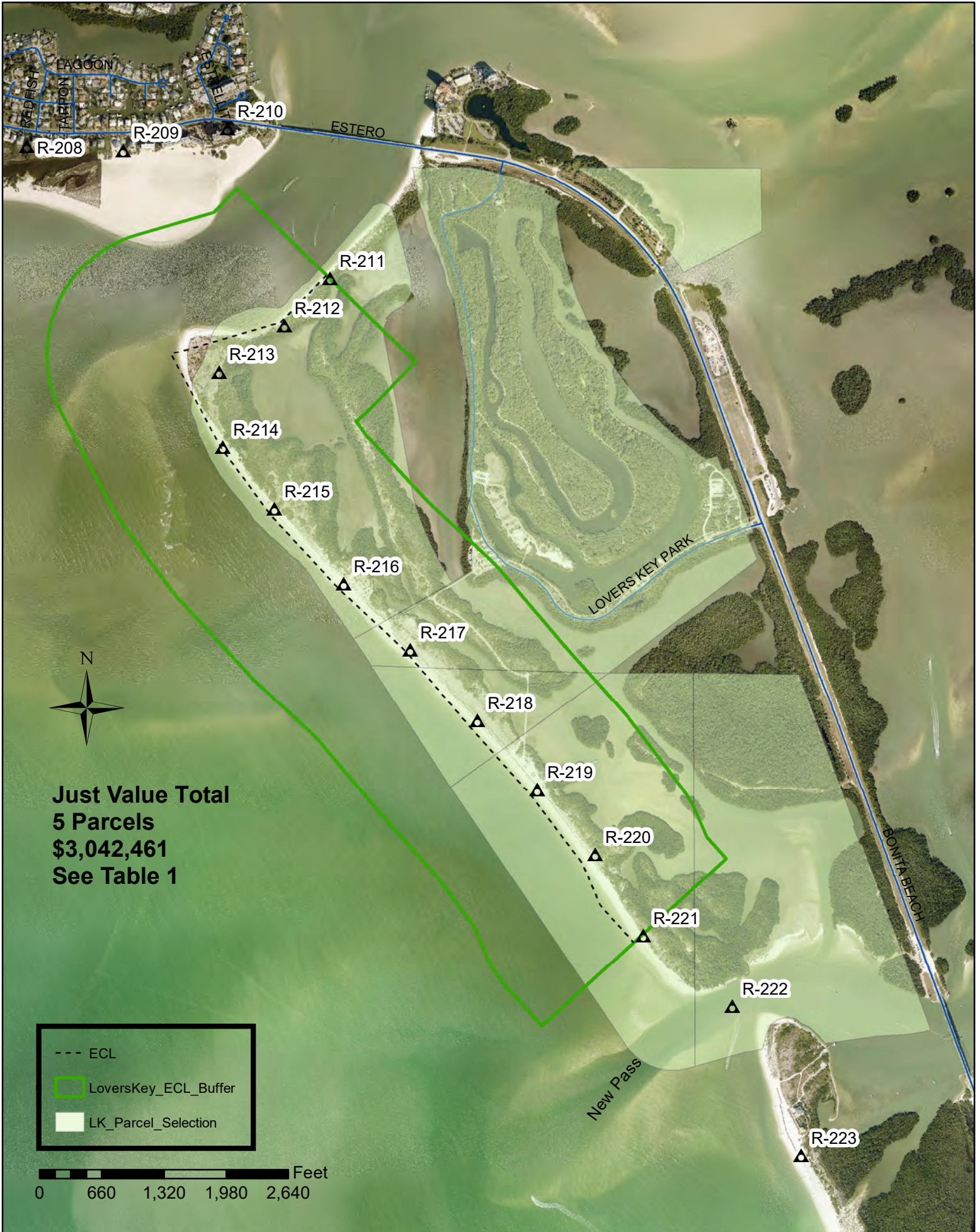
4A. Lovers Key - Project Details



4B. Lovers Key - Overview



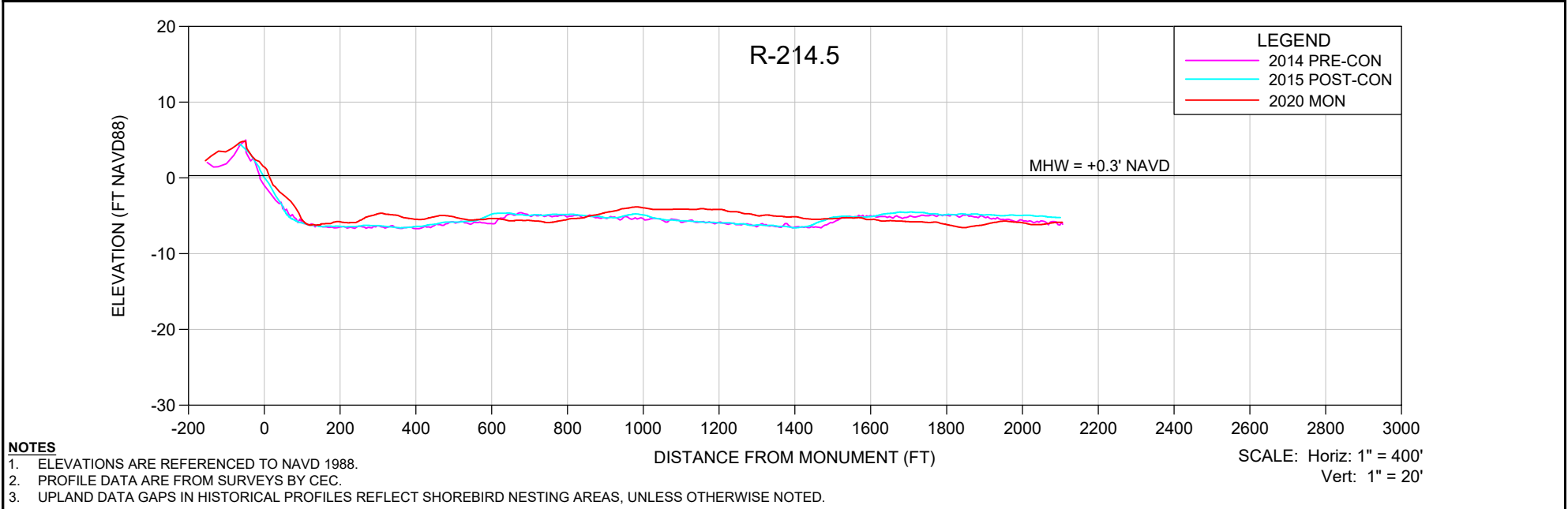
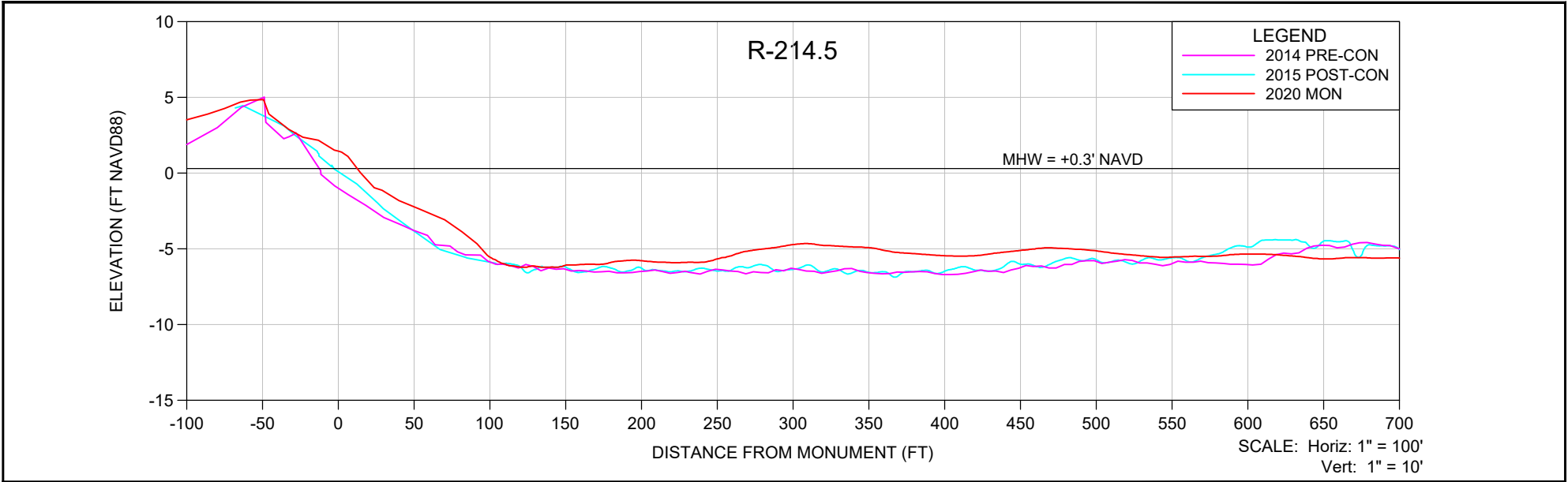
4C. Lovers Key - Value of Upland Property



Lee County - Lovers Key

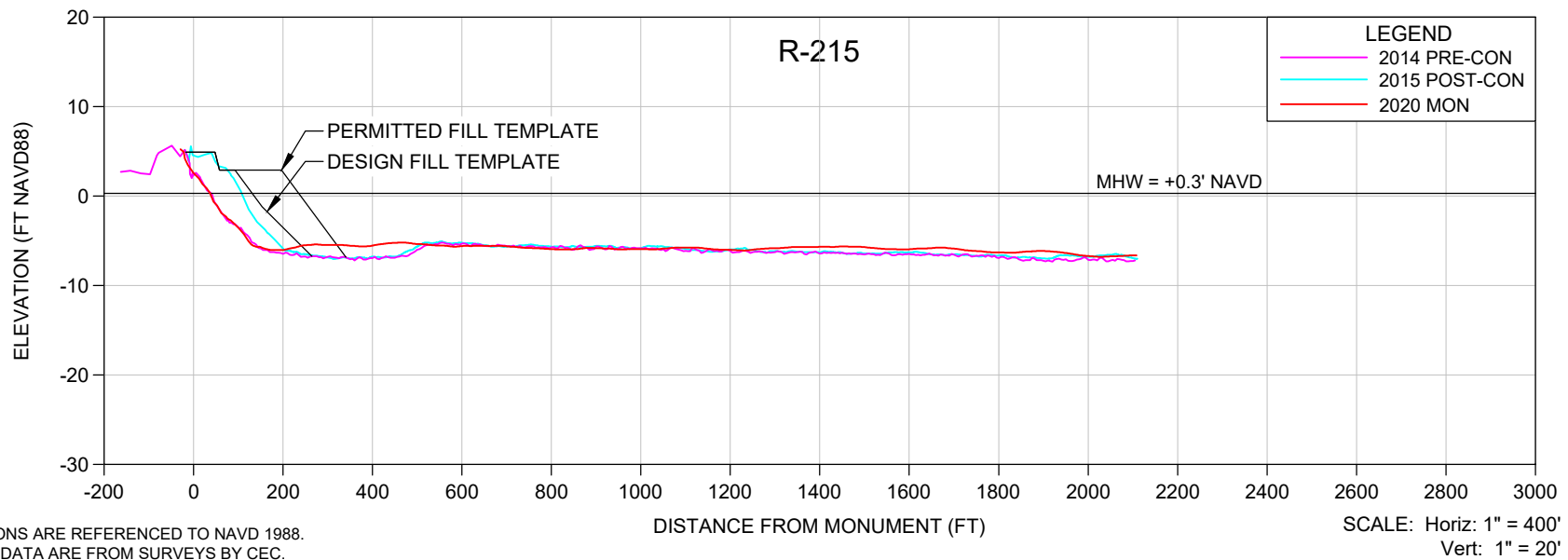
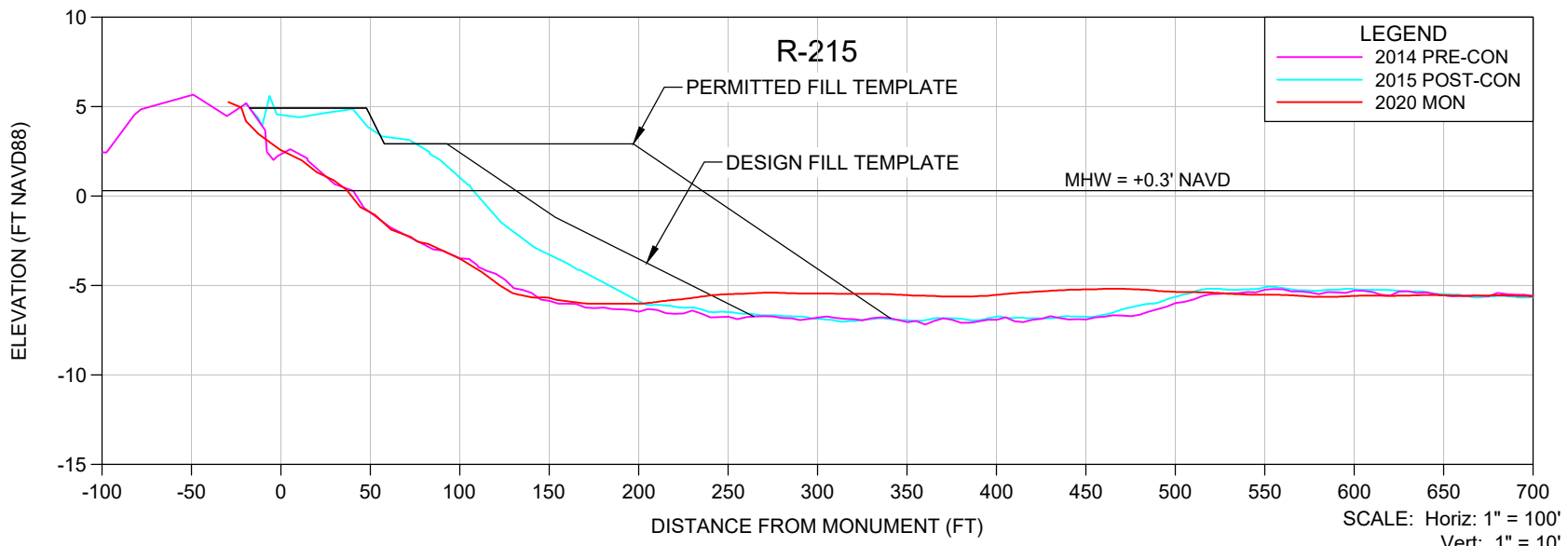
Table 1

PARCEL_ID	2019 Just Value
144724B2000040000	\$ 260,005.00
144724B2000030010	\$ 58,952.00
114724B40010A0000	\$ 171,695.00
134724B1000030000	\$ 456,915.00
114724B3000020010	\$ 2,094,894.00
	\$ 3,042,461.00



- NOTES**
- ELEVATIONS ARE REFERENCED TO NAVD 1988.
 - PROFILE DATA ARE FROM SURVEYS BY CEC.
 - UPLAND DATA GAPS IN HISTORICAL PROFILES REFLECT SHOREBIRD NESTING AREAS, UNLESS OTHERWISE NOTED.

SHEET 5 FILE NO.: 2007/R-214.5	COASTAL ENGINEERING CONSULTANTS INC. A CECI GROUP COMPANY Serving Florida Since 1977 28421 BONITA CROSSINGS BLVD BONITA SPRINGS, FLORIDA 34135 COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY & MAPPING ENGINEERING: CA 2464 SURVEYING: LB 2464 PHONE: (239)643-2324 FAX: (239)643-1143 www.coastalengineering.com E-Mail: info@cecif.com	CLIENT:	LEE COUNTY			DATE:	9/25/2020	SCALE:	AS SHOWN				
		TITLE:	BONITA BEACH AND LOVERS KEY R-214.5 MONITORING SURVEY			DRAWN:	SDB	F.B.					
						CHECKED:	MTP	PG.					
						SEC.	TWP.	RNG.					
						ACAD NO.	20079-Lovers Adv Nourishment Profiles.dwg						
				REF. NO.	20.079			NO.	DATE	BY	REVISION DESCRIPTION		



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SHEET 6
FILE NO.: 2007/R-215

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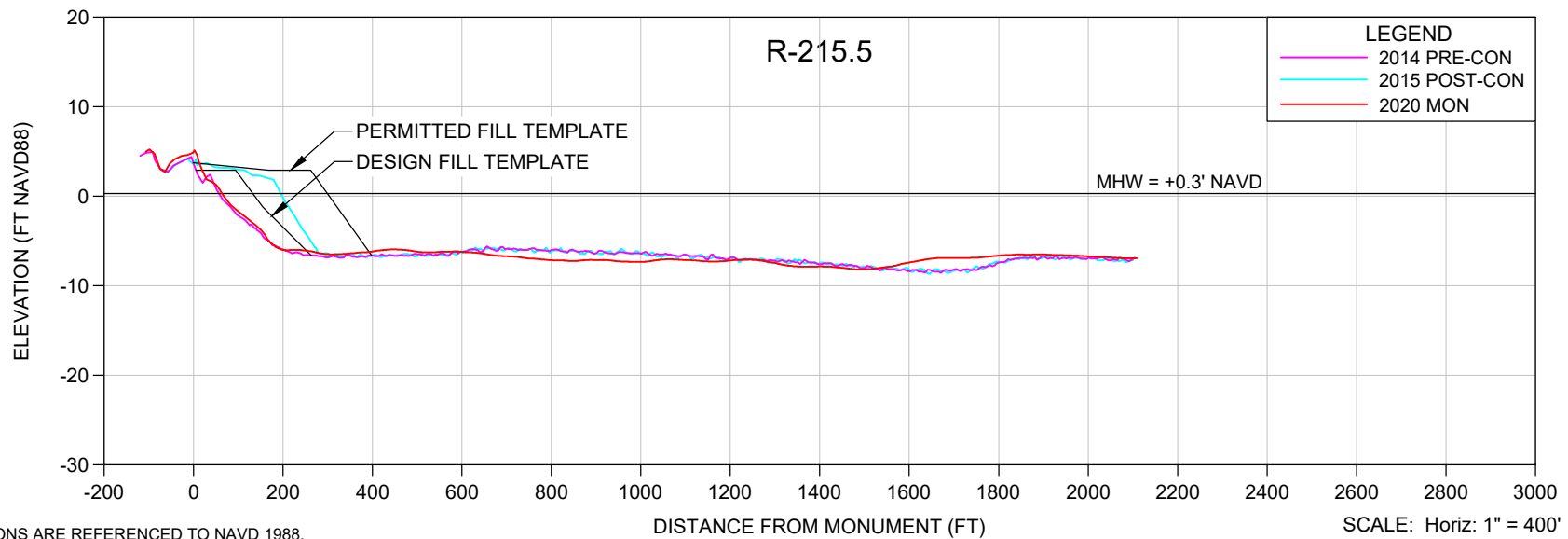
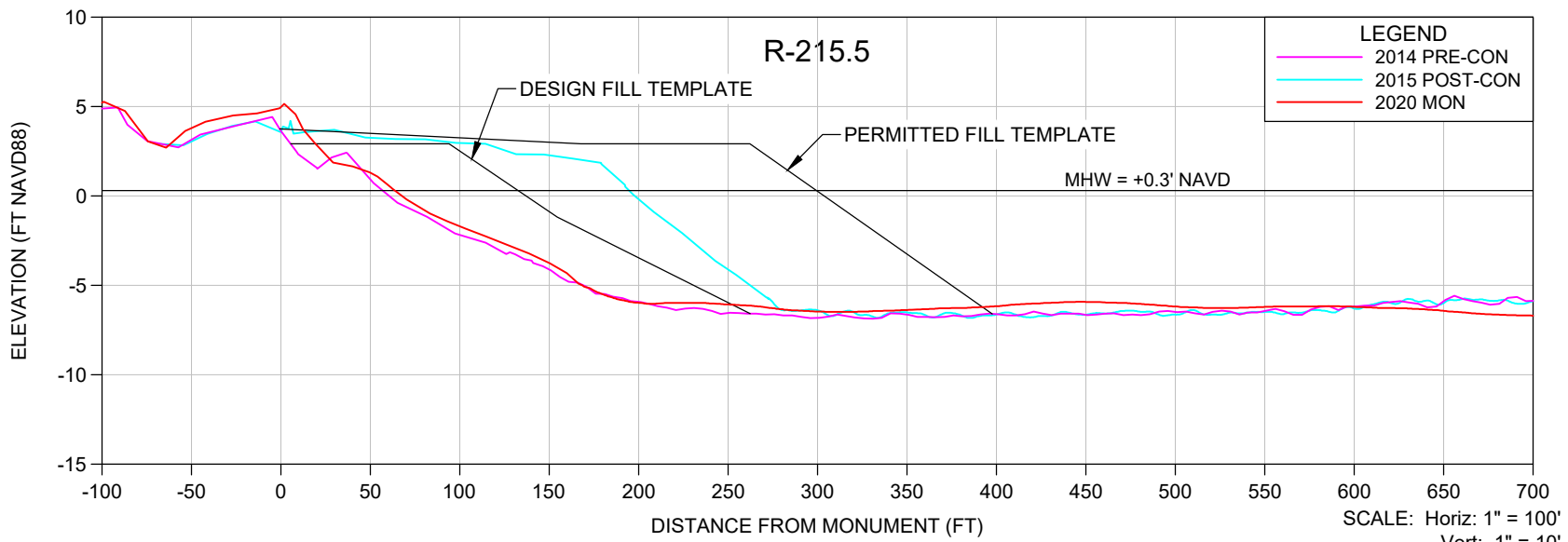
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FAX: (239)643-1143
www.coastalengineering.com
E-Mail: info@cecif.com

CLIENT: **LEE COUNTY**

TITLE: **BONITA BEACH AND LOVERS KEY R-215 MONITORING SURVEY**

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DRAWN:	SDB	F.B.	
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ACAD NO.	20079-Lovers Adv Nourishment Profiles.dwg		
REF. NO.	20.079	NO.	DATE

NO.	DATE	BY	REVISION DESCRIPTION



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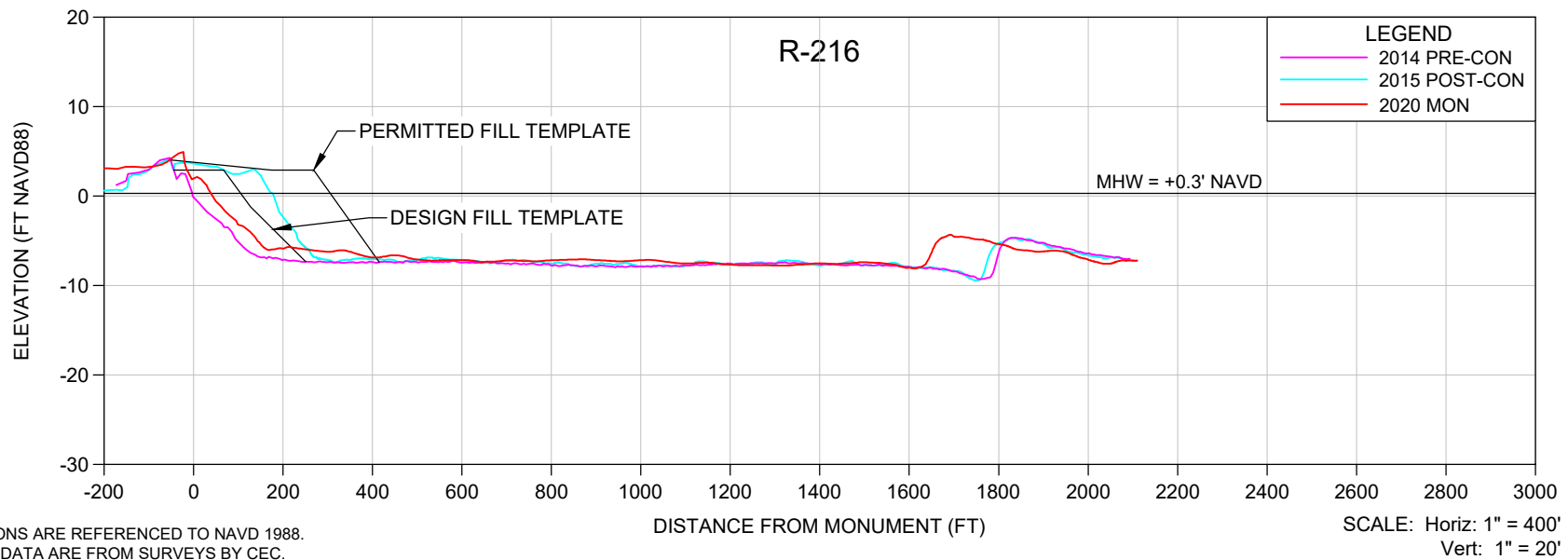
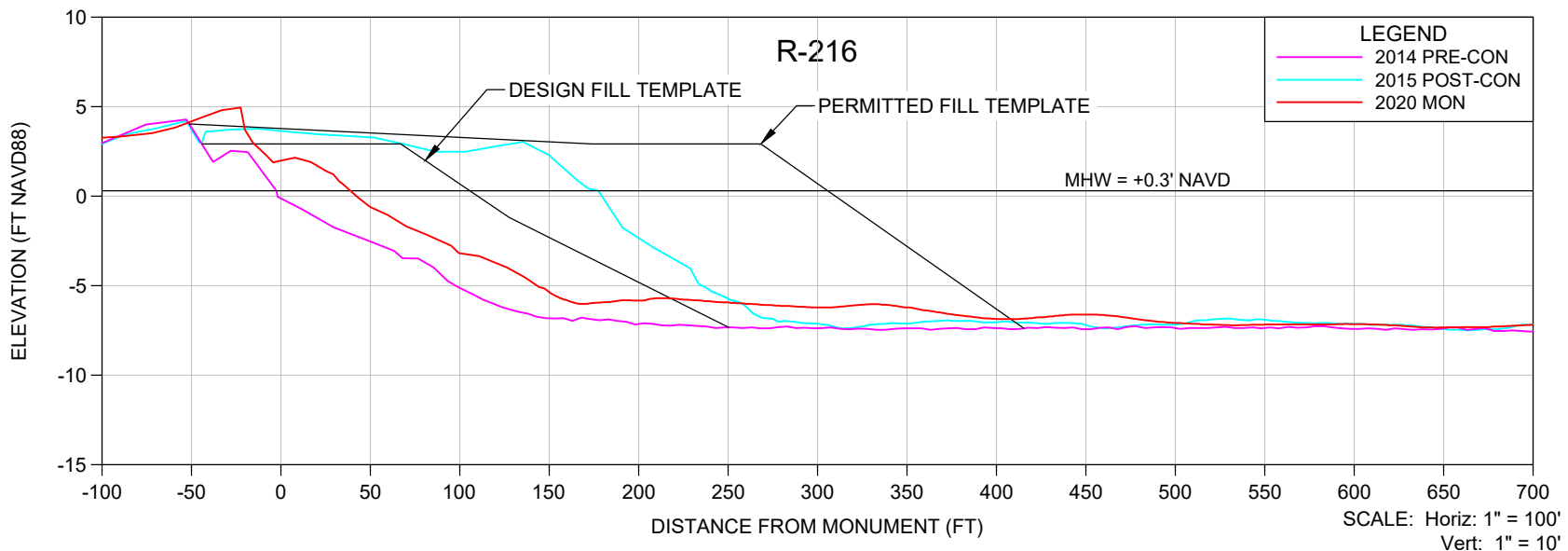
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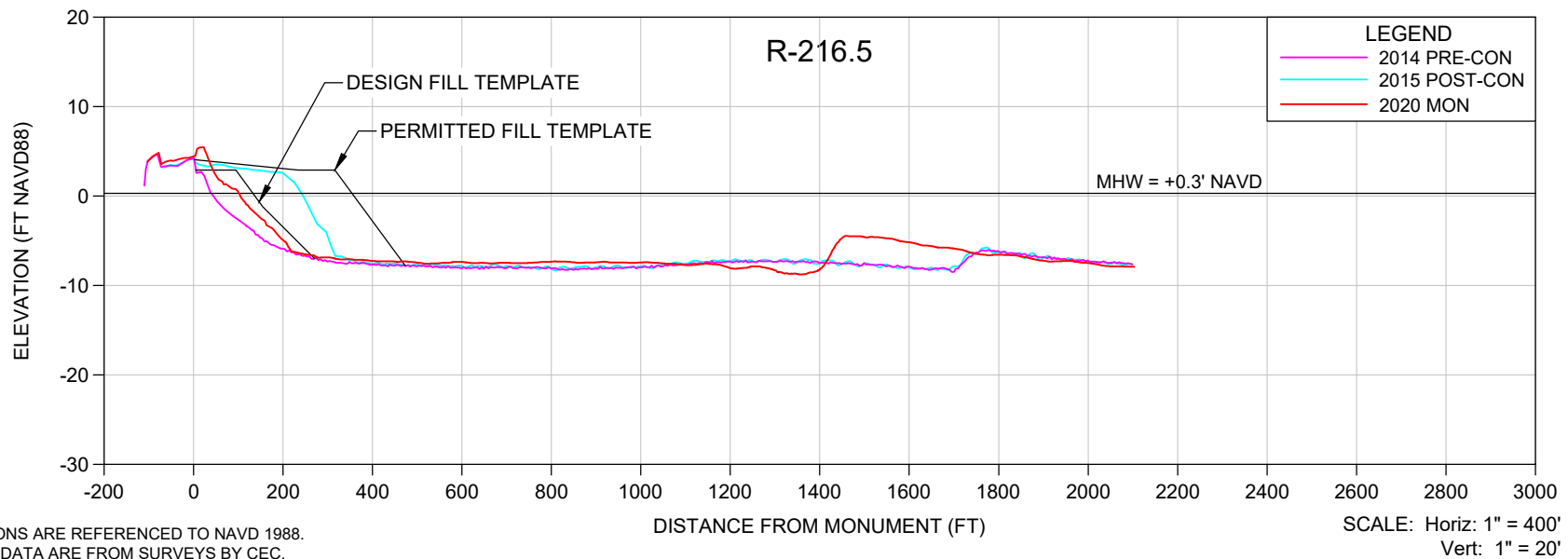
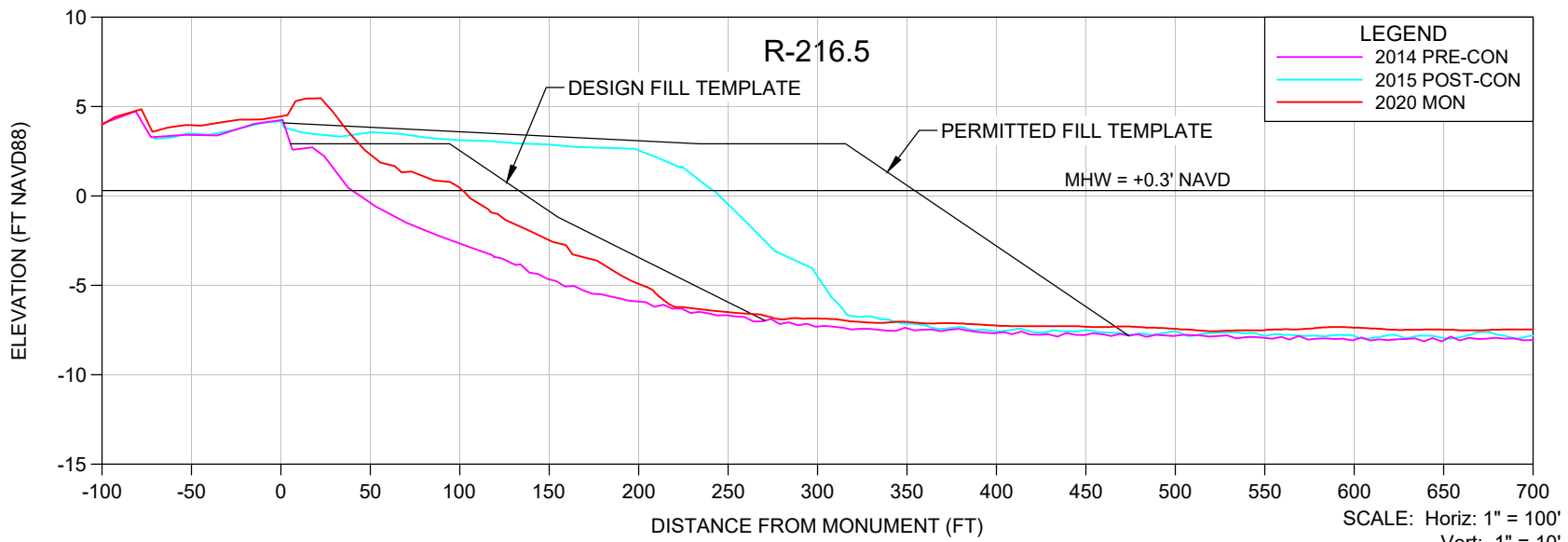
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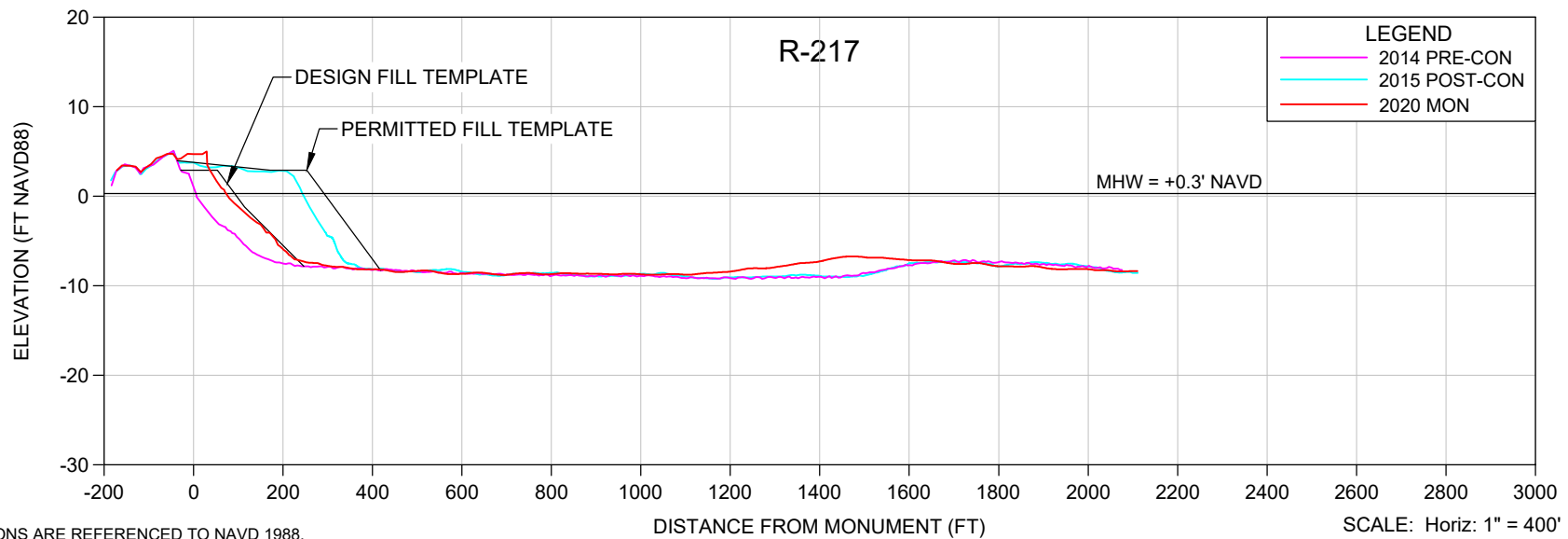
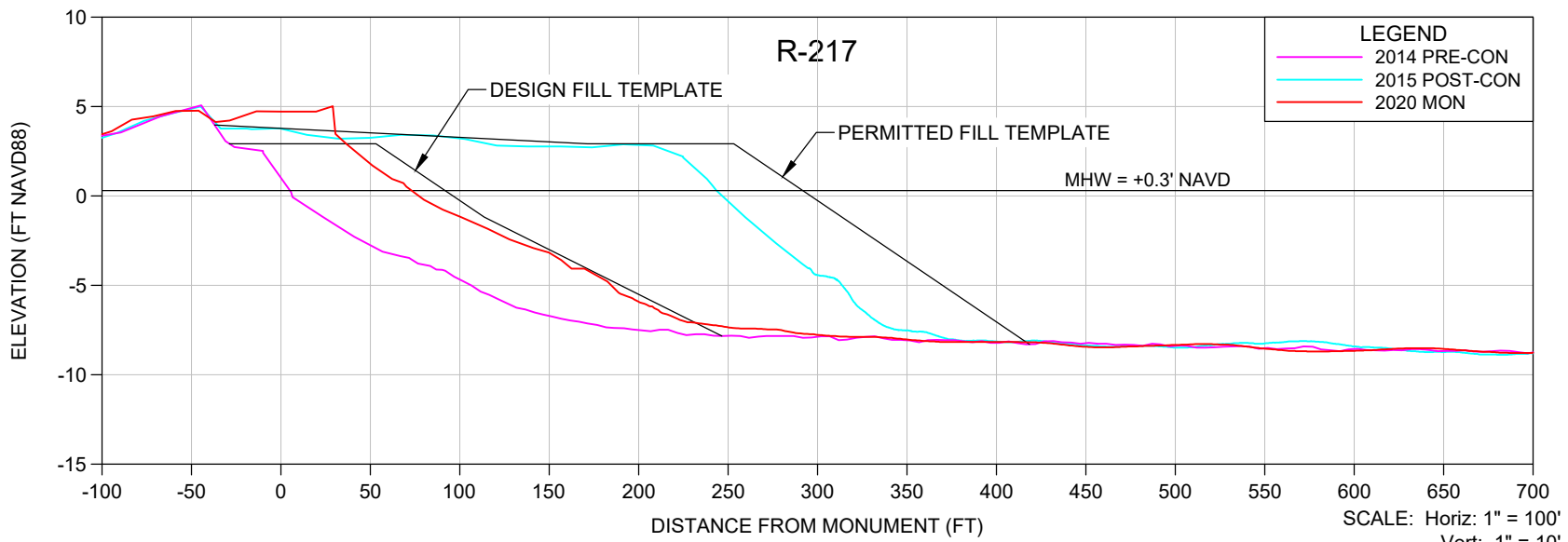
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CLIENT: **LEE COUNTY**

TITLE: **BONITA BEACH AND LOVERS KEY R-216.5
MONITORING SURVEY**

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SHEET 10
 FILE NO.: 2007-R-217

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 SURVEYING: LB 2464

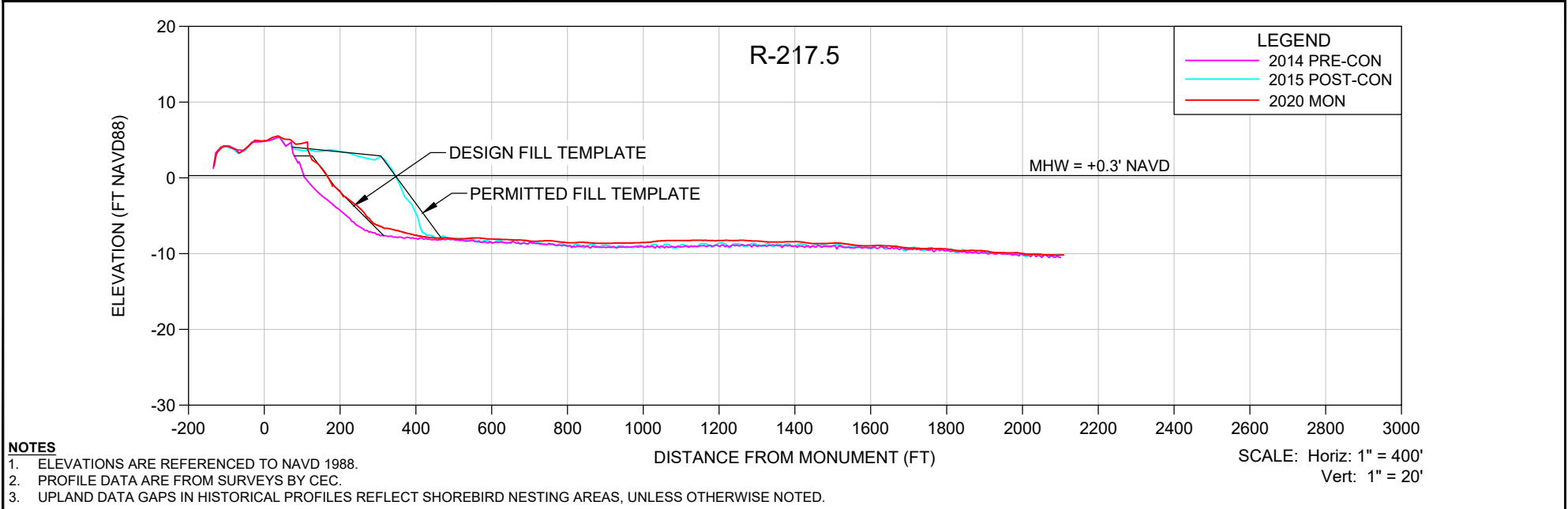
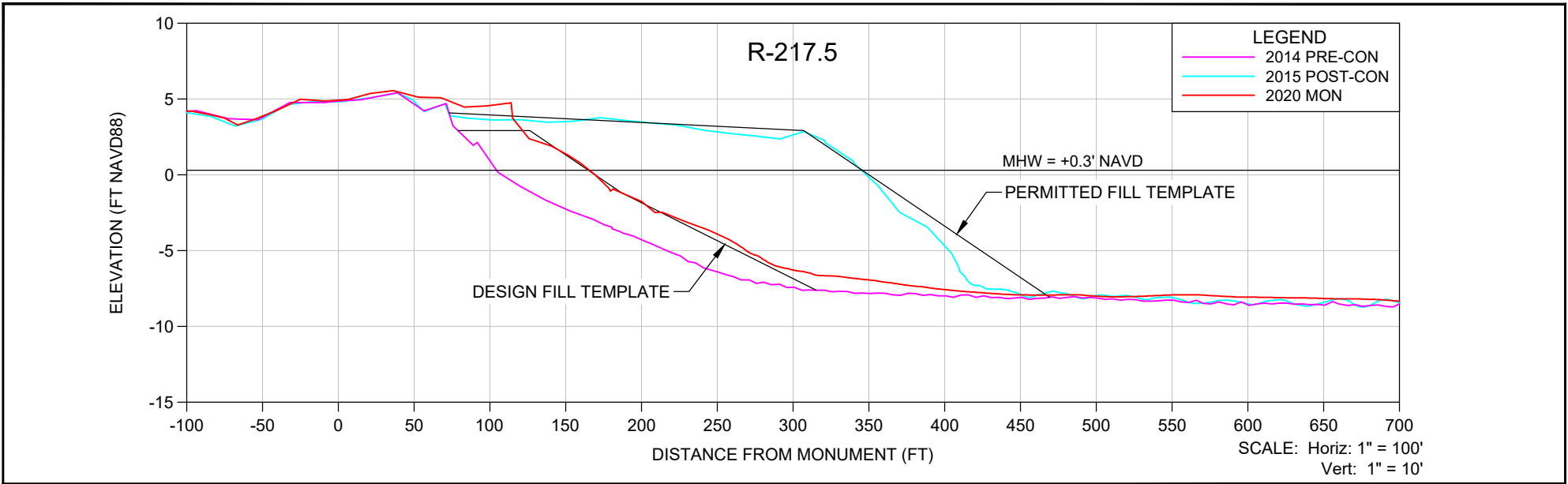
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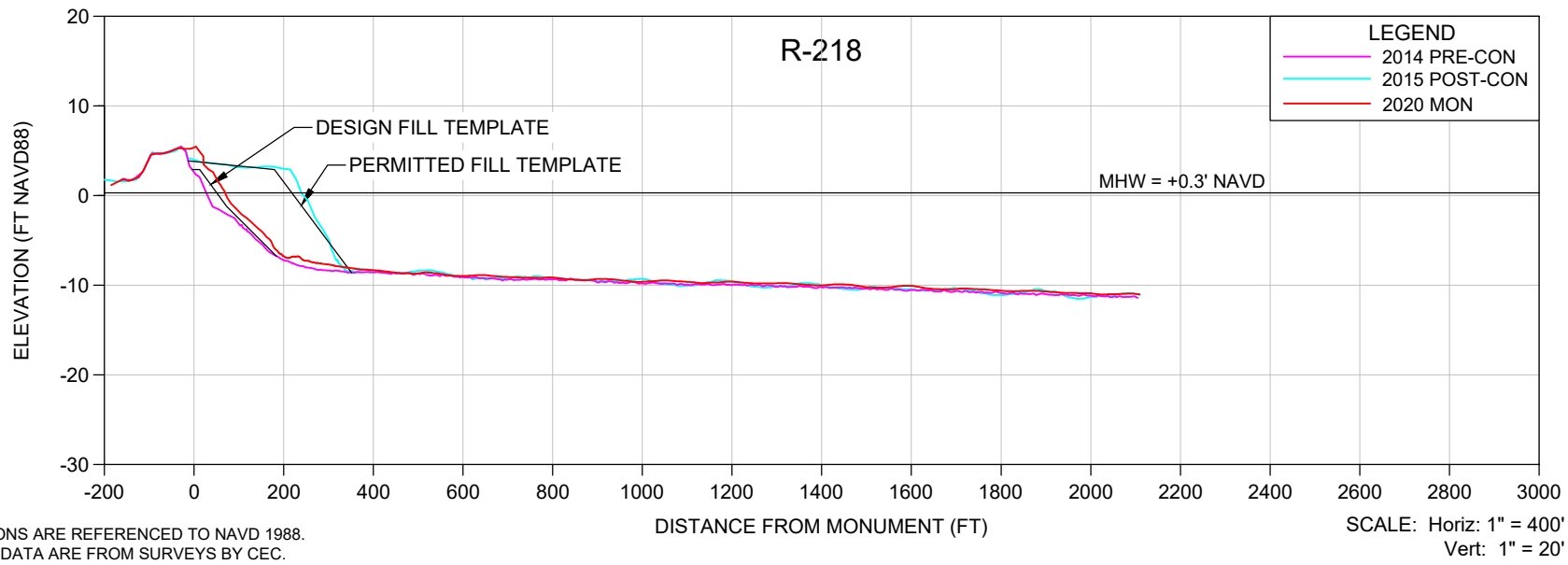
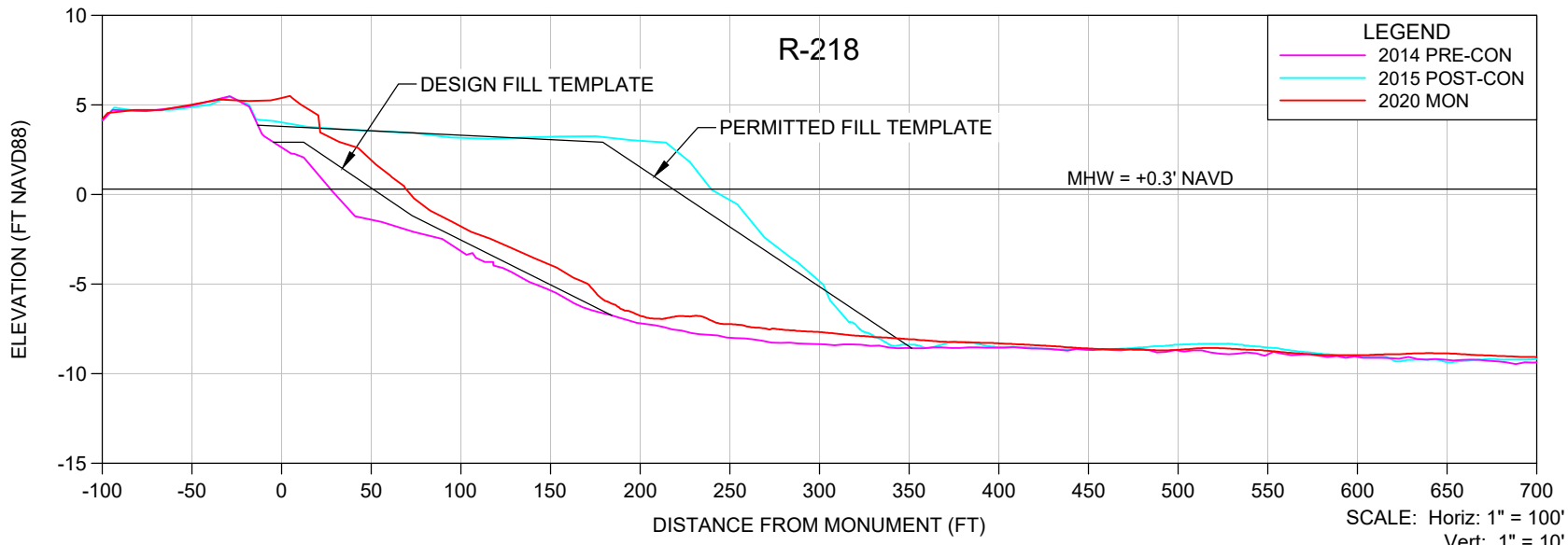
DATE:	9/25/2020	SCALE:	AS SHOWN
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CHECKED:	MTP	PG.	
SEC.	TWP.	RNG.	
ACAD NO.	20079-Lovers Adv Nourishment Profiles.dwg		
REF. NO.	20.079	NO.	DATE

NO.	DATE	BY	REVISION DESCRIPTION



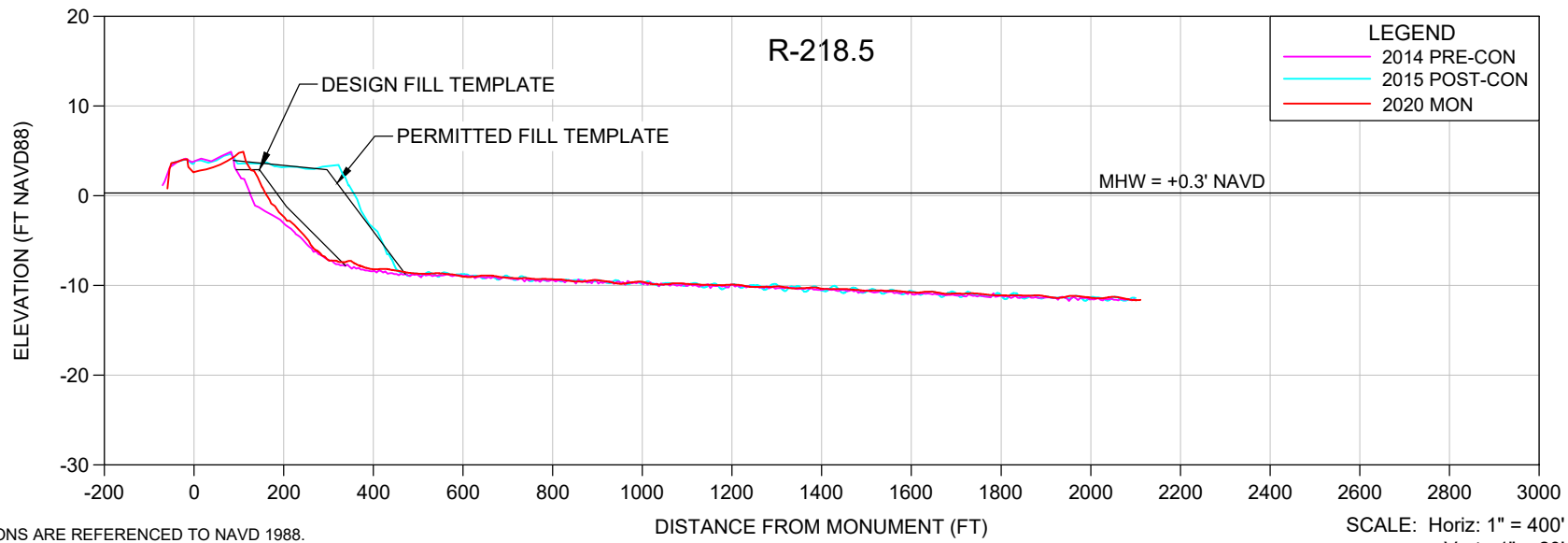
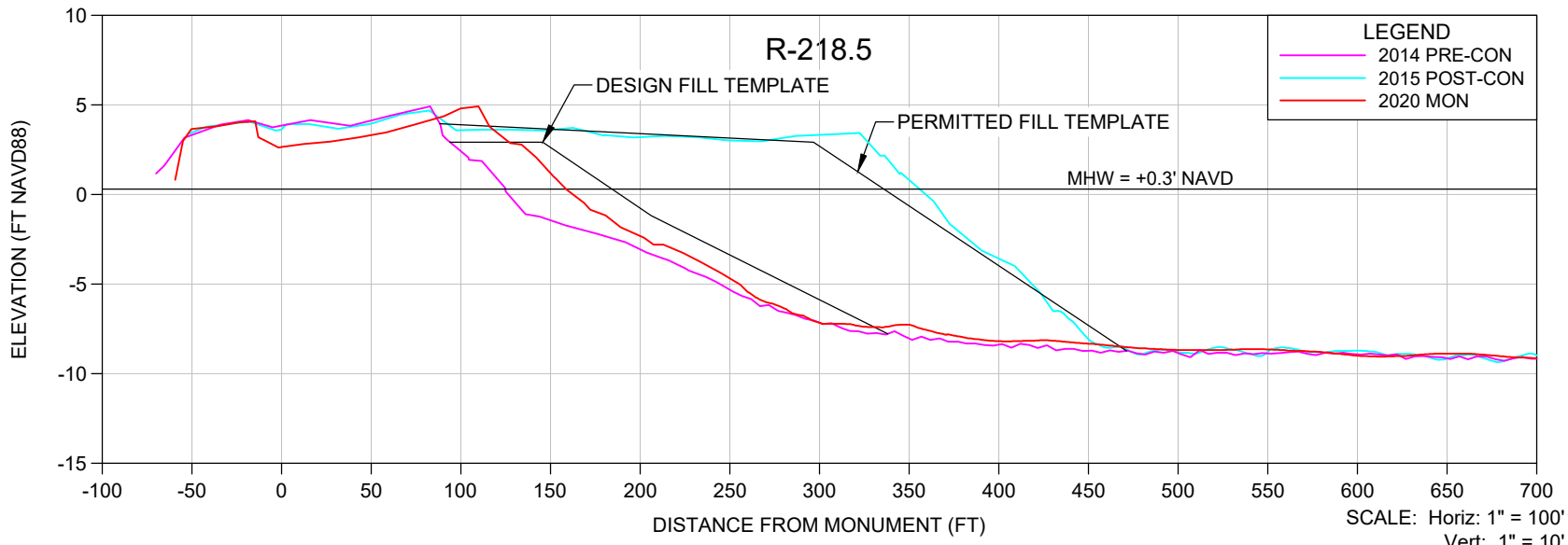
- NOTES**
- ELEVATIONS ARE REFERENCED TO NAVD 1988.
 - PROFILE DATA ARE FROM SURVEYS BY CEC.
 - UPLAND DATA GAPS IN HISTORICAL PROFILES REFLECT SHOREBIRD NESTING AREAS, UNLESS OTHERWISE NOTED.

SHEET 11 FILE NO.: 2007/9R-217.5	<p>COASTAL ENGINEERING CONSULTANTS INC. A CECI GROUP COMPANY Serving Florida Since 1977</p> <p>28421 BONITA CROSSINGS BLVD BONITA SPRINGS, FLORIDA 34135</p>	<p>COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY & MAPPING ENGINEERING: CA 2464 SURVEYING: LB 2464</p> <p>PHONE: (239)643-2324 FAX: (239)643-1143 www.coastalengineering.com E-Mail: info@ceciff.com</p>	<p>CLIENT: LEE COUNTY</p> <p>TITLE: BONITA BEACH AND LOVERS KEY R-217.5 MONITORING SURVEY</p>	<p>DATE: 9/25/2020</p> <p>DRAWN: SDB</p> <p>CHECKED: MTP</p> <p>SEC. TWP. RNG.</p> <p>ACAD NO. 20079-Lovers Adv Nourishment Profiles.dwg</p> <p>REF. NO. 20.079</p>	<p>SCALE: AS SHOWN</p>	<table border="1"> <tr> <td>NO.</td> <td>DATE</td> <td>BY</td> <td>REVISION DESCRIPTION</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DATE	BY	REVISION DESCRIPTION				
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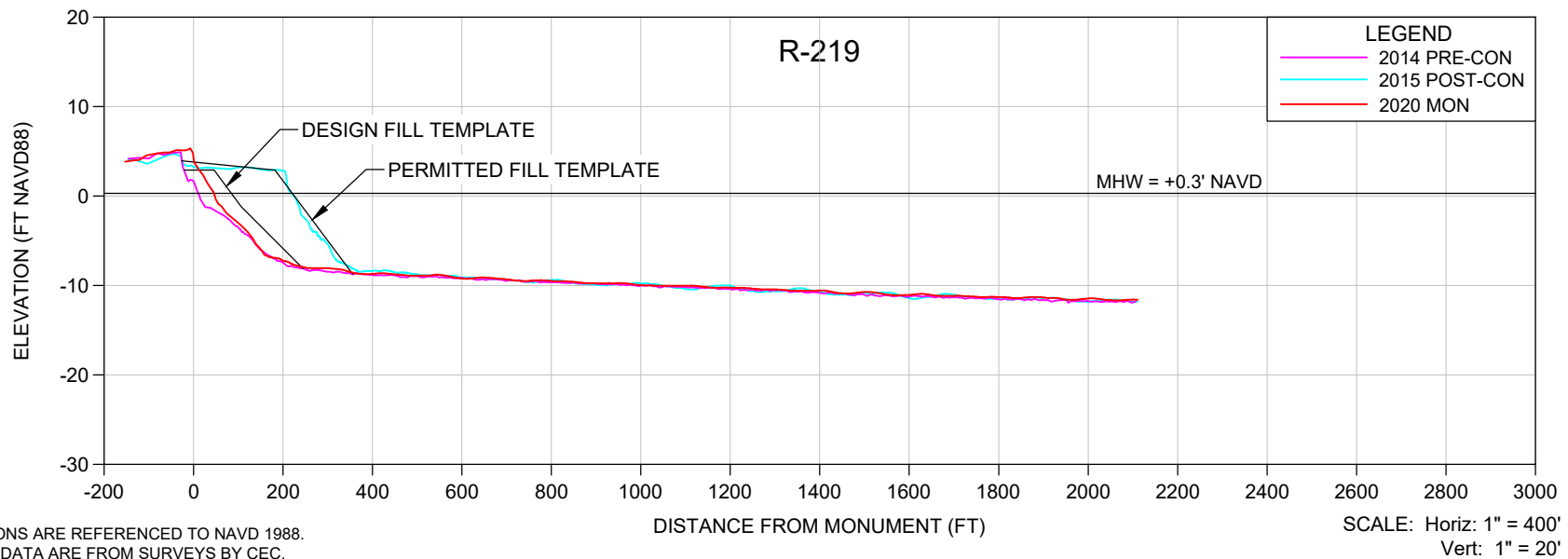
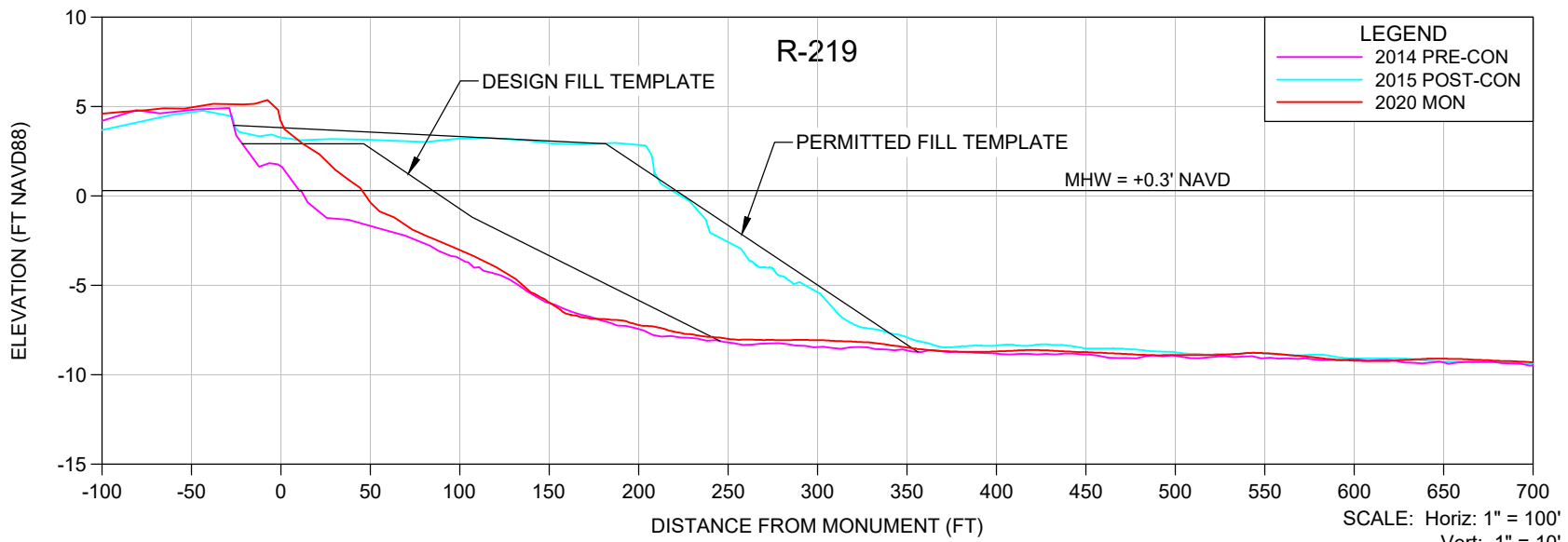
- NOTES**
- ELEVATIONS ARE REFERENCED TO NAVD 1988.
 - PROFILE DATA ARE FROM SURVEYS BY CEC.
 - UPLAND DATA GAPS IN HISTORICAL PROFILES REFLECT SHOREBIRD NESTING AREAS, UNLESS OTHERWISE NOTED.

SHEET 12 FILE NO.: 2007/R-218	COASTAL ENGINEERING CONSULTANTS INC. A CECI GROUP COMPANY Serving Florida Since 1977 28421 BONITA CROSSINGS BLVD BONITA SPRINGS, FLORIDA 34135	COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY & MAPPING ENGINEERING: CA 2464 SURVEYING: LB 2464	CLIENT: LEE COUNTY TITLE: BONITA BEACH AND LOVERS KEY R-218 MONITORING SURVEY	DATE: 9/25/2020 DRAWN: SDB CHECKED: MTP SEC. TW. RNG. ACAD NO. 20079-Lovers Adv Nourishment Profiles.dwg REF. NO. 20.079	SCALE: AS SHOWN F.B. PG. NO. DATE BY REVISION DESCRIPTION
		PHONE: (239)643-2324 FAX: (239)643-1143 www.coastalengineering.com E-Mail: info@cecif.com			



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SHEET 13 FILE NO.: 2007-9-B-218.5	COASTAL ENGINEERING CONSULTANTS INC. A CECI GROUP COMPANY Serving Florida Since 1977 28421 BONITA CROSSINGS BLVD BONITA SPRINGS, FLORIDA 34135 COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY & MAPPING ENGINEERING: CA 2464 SURVEYING: LB 2464 PHONE: (239)643-2324 FAX: (239)643-1143 www.coastalengineering.com E-Mail: info@cecif.com	CLIENT:	LEE COUNTY		DATE:	9/25/2020	SCALE:	AS SHOWN						
		TITLE:	BONITA BEACH AND LOVERS KEY R-218.5 MONITORING SURVEY		DRAWN:	SDB	F.B.							
				CHECKED:	MTP	PG.								
				SEC.	TWP.	RNG.								
				ACAD NO.	20079-Lovers Adv Nourishment Profiles.dwg									
		REF. NO.	20.079		NO.	DATE	BY	REVISION DESCRIPTION						



NOTES

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SHEET 14
 FILE NO.: 2007/R-219

COASTAL ENGINEERING CONSULTANTS INC.
 A CECI GROUP COMPANY
 Serving Florida Since 1977

28421 BONITA CROSSINGS BLVD
 BONITA SPRINGS, FLORIDA 34135

COASTAL & MARINE ENGINEERING
 ENVIRONMENTAL & GEOLOGICAL SERVICES
 SURVEY & MAPPING
 ENGINEERING: CA 2464
 SURVEYING: LB 2464

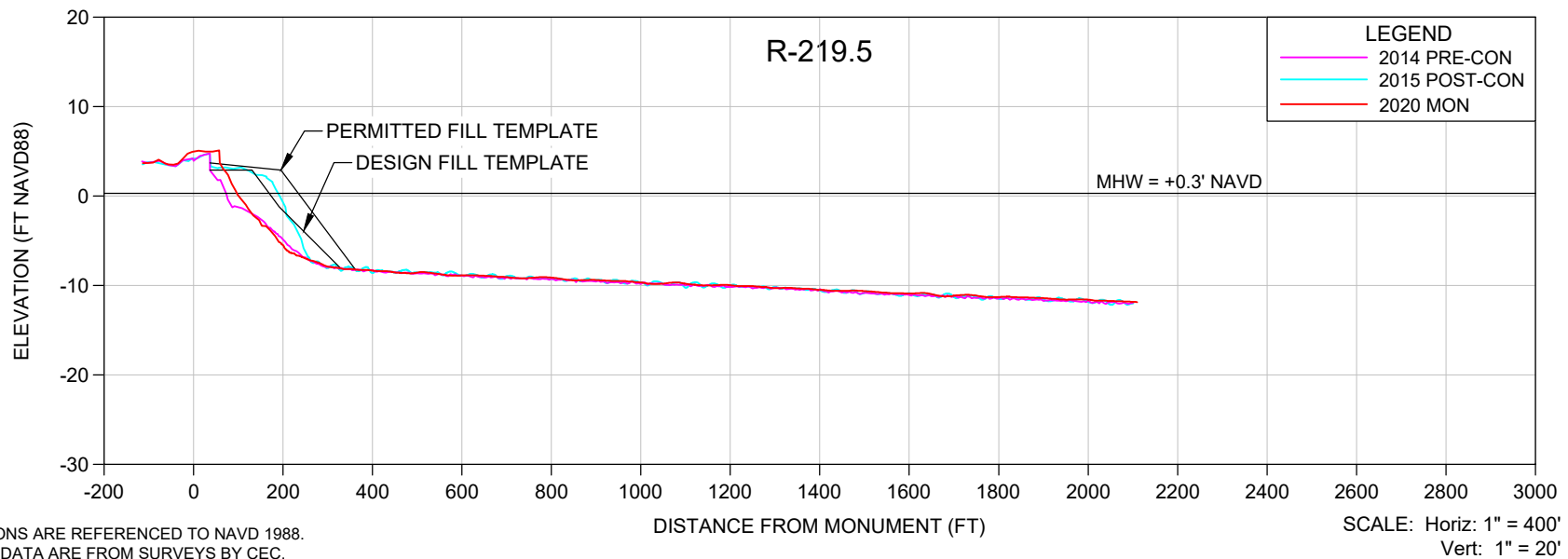
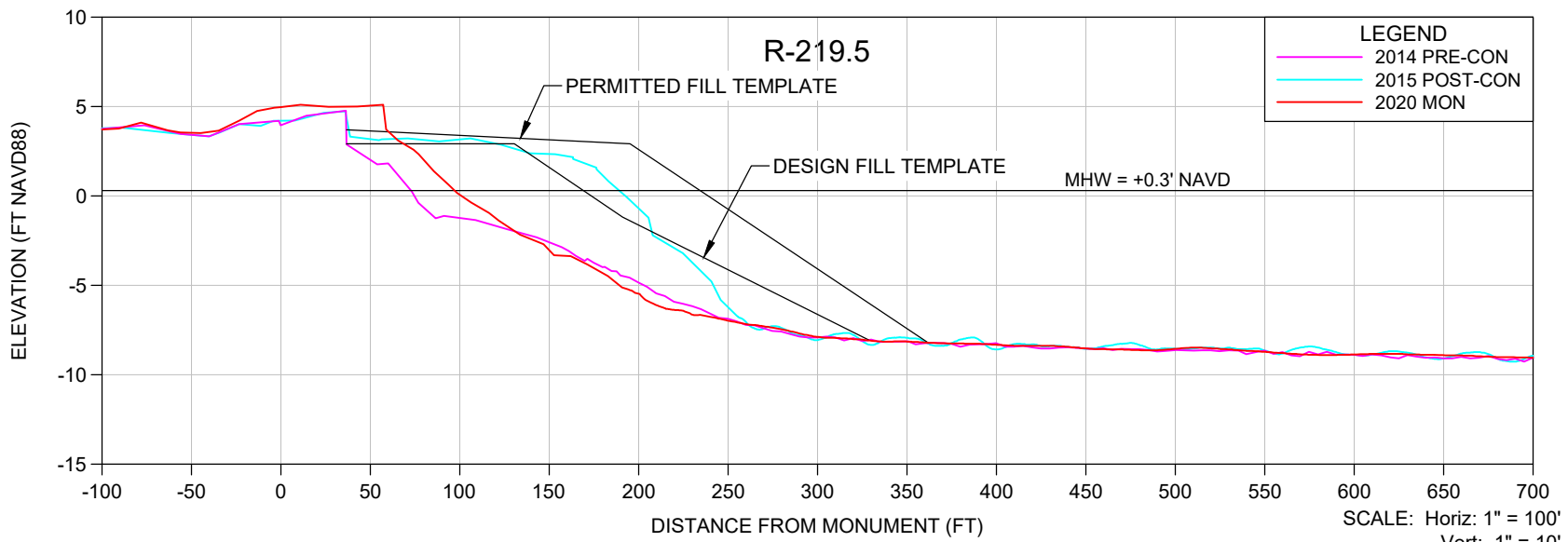
PHONE: (239)643-2324
 FAX: (239)643-1143
 www.coastalengineering.com
 E-Mail: info@cecif.com

CLIENT: **LEE COUNTY**

TITLE: **BONITA BEACH AND LOVERS KEY R-219 MONITORING SURVEY**

DATE:	9/25/2020	SCALE:	AS SHOWN
DRAWN:	SDB	F.B.	
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SEC.	TWP.	RNG.	
ACAD NO.	20079-Lovers Adv Nourishment Profiles.dwg		
REF. NO.	20.079	NO.	DATE

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SHEET 15
FILE NO.: 2007/9R-219.5

COASTAL ENGINEERING CONSULTANTS INC.
A CECI GROUP COMPANY
Serving Florida Since 1977

28421 BONITA CROSSINGS BLVD
BONITA SPRINGS, FLORIDA 34135

COASTAL & MARINE ENGINEERING
ENVIRONMENTAL & GEOLOGICAL SERVICES
SURVEY & MAPPING
ENGINEERING: CA 2464
SURVEYING: LB 2464

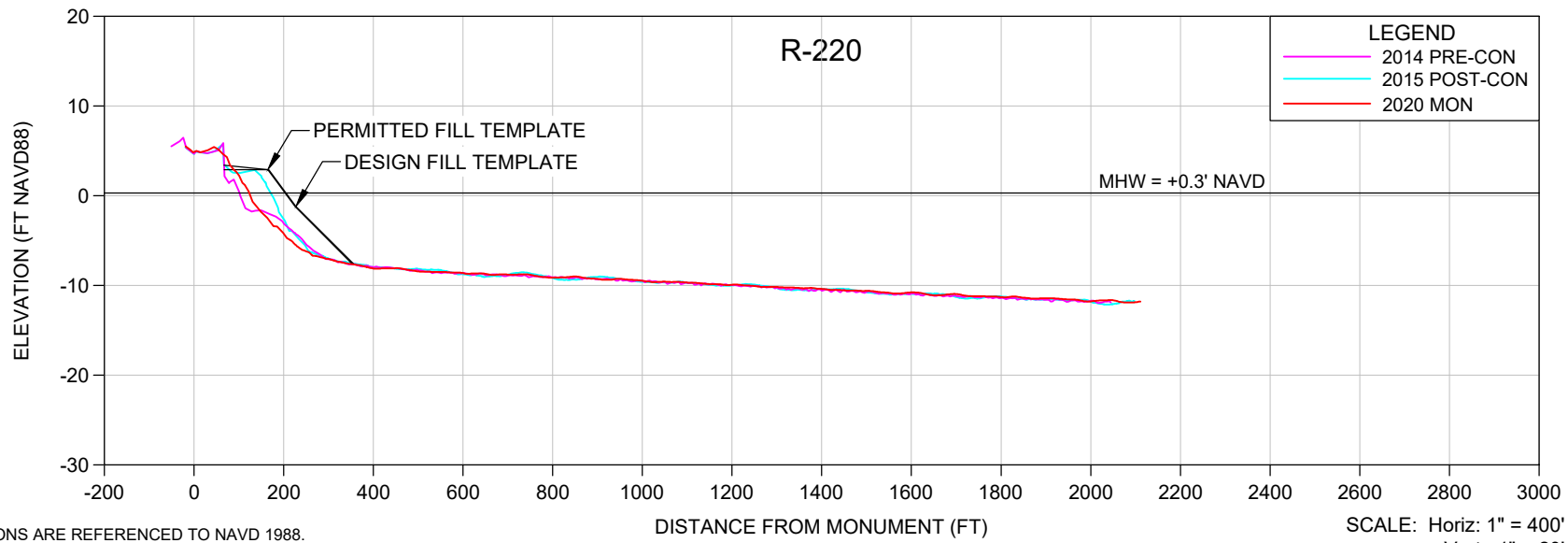
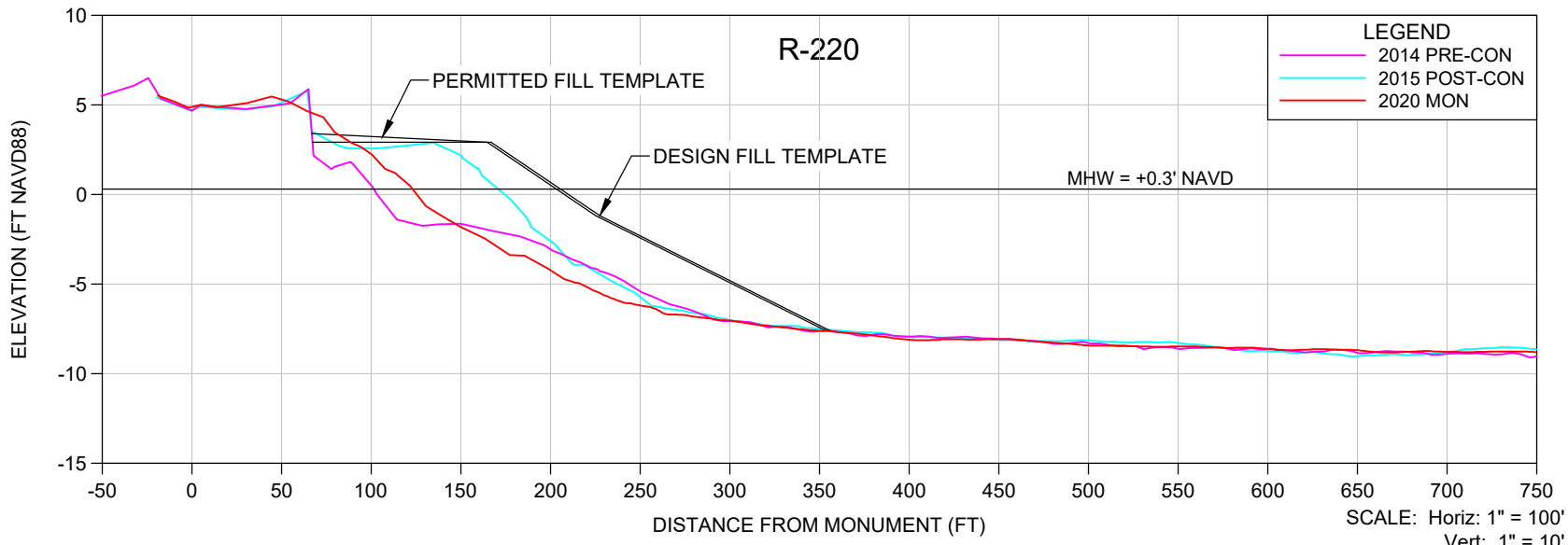
PHONE: (239)643-2324
FAX: (239)643-1143
www.coastalengineering.com
E-Mail: info@cecif.com

CLIENT: **LEE COUNTY**

TITLE: **BONITA BEACH AND LOVERS KEY R-219.5 MONITORING SURVEY**

DATE:	9/25/2020	SCALE:	AS SHOWN
DRAWN:	SDB	F.B.	
CHECKED:	MTP	PG.	
SEC.	TWP.	RNG.	
ACAD NO.	20079-Lovers Adv Nourishment Profiles.dwg		
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- NOTES**
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SHEET 16 FILE NO.: 2007/R-220	<p>COASTAL ENGINEERING CONSULTANTS INC. A CECI GROUP COMPANY Serving Florida Since 1977 28421 BONITA CROSSINGS BLVD BONITA SPRINGS, FLORIDA 34135</p>	<p>COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY & MAPPING ENGINEERING: CA 2464 SURVEYING: LB 2464</p>	<p>CLIENT: LEE COUNTY</p>	<p>DATE: 9/25/2020 DRAWN: SDB CHECKED: MTP SEC. TWP. RNG. ACAD NO. 20079-Lovers Adv Nourishment Profiles.dwg REF. NO. 20.079</p>	<p>SCALE: AS SHOWN F.B. PG. RNG.</p>	<table border="1"> <tr><td>NO.</td><td>DATE</td><td>BY</td><td>REVISION DESCRIPTION</td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>	NO.	DATE	BY	REVISION DESCRIPTION												
		NO.	DATE	BY	REVISION DESCRIPTION																	
<p>PHONE: (239)643-2324 FAX: (239)643-1143 www.coastalengineering.com E-Mail: info@ceciff.com</p>	<p>TITLE: BONITA BEACH AND LOVERS KEY R-220 MONITORING SURVEY</p>																					

LOVERS KEY
ADVANCED NOURISHMENT PLACED ABOVE MHW IN 2015
CEC FILE NO. 20079
SURVEY DATES: JUNE 2014 AND JANUARY 2015

	MON	AREA (YD ³ /FT)	AVG AREA (YD ³ /FT)	LENGTH (FT)	VOLUME (YD ³)
Lovers Key Beach Fill	R-214.5	0.0			
			0.0	462	0
	R-215	0.0			
			5.6	540	3,033
	R-215.5	11.2			
			12.8	567	7,254
	R-216	14.4			
			19.4	452	8,778
	R-216.5	24.4			
			32.7	489	15,976
	R-217	40.9			
			46.8	520	24,325
	R-217.5	52.6			
			54.7	532	29,111
	R-218	56.8			
			53.5	531	28,442
	R-218.5	50.2			
			42.1	436	18,362
	R-219	33.9			
		18.5	514	9,495	
R-219.5	3.0				
		1.5	392	582	
R-220	0.0				

TOTAL	145,360
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LOVERS KEY
ADVANCED NOURISHMENT LOST ABOVE MHW IN 2020
CEC FILE NO. 20079
SURVEY DATES: JANUARY 2015 AND JUNE 2020

	MON	AREA (YD³/FT)	AVG AREA (YD³/FT)	LENGTH (FT)	VOLUME (YD³)
Lovers Key Beach Fill	R-214.5	0.0			
			0.0	462	0
	R-215	0.0			
			-5.1	540	-2,769
	R-215.5	-10.3			
			-11.4	567	-6,448
	R-216	-12.5			
			-17.1	452	-7,742
	R-216.5	-21.7			
			-29.2	489	-14,278
	R-217	-36.7			
			-41.7	520	-21,695
	R-217.5	-46.7			
			-46.4	532	-24,676
	R-218	-46.0			
			-47.0	531	-24,969
	R-218.5	-47.9			
			-39.8	436	-17,348
R-219	-31.6				
		-16.4	514	-8,413	
R-219.5	-1.1				
		-0.6	392	-222	
R-220	0.0				

TOTAL	-128,561
% LOST	-88%

RESOLUTION NO. 20-11-11

A RESOLUTION OF THE BOARD OF COUNTY COMMISSIONERS OF LEE COUNTY, FLORIDA, APPROVING AND SUPPORTING THE PROPOSED ACTIVITIES AS OUTLINED IN THE 2021/22 LOCAL GOVERNMENT FUNDING REQUEST TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION AND AFFIRMING THE COUNTY'S COMMITMENT TO PROVIDE LOCAL FUNDING

WHEREAS, beaches provide vital economic, recreational, storm damage reduction, and environmental benefits, and

WHEREAS, Lee County has supported previous federal, state and local initiatives in correcting beach erosion problems throughout the County, and

WHEREAS, Lee County prepared and submitted a Long Range Beach Erosion Control Budget Plan (Budget Plan) in March 1997, and has annually submitted updated information in accordance with guidelines developed by the Florida Department of Environmental Protection, and

WHEREAS, Lee County seeks to update the Budget Plan for the next Florida Department of Environmental Protection Fixed Capital Outlay Legislative Budget Request, and

WHEREAS, Lee County supports the Florida Department of Environmental Protection's beach and coastal management programs in accordance with Section 161.101 and 161.161, Florida Statutes, and

WHEREAS, Lee County supports all components of the Budget Plan consistent with the Lee County Comprehensive Plan and agrees to fund the local government share of all County beach and inlet projects approved for funding by the Florida Legislature in Fiscal Year 2021-2022 through the existing dedicated tourism development tax revenues, special taxing units, or other funding resources as applicable, and

WHEREAS, Lee County agrees to serve as the local sponsor for all County projects identified in the Budget Plan.

NOW, THEREFORE, BE IT RESOLVED by the Board of County Commissioners, Lee County, Florida, that:

Section 1. Lee County is requesting state funding and providing its support for the Blind Pass Inlet Management Plan, Bonita Beach Nourishment, Estero Barriers Inlet Management Study, and the Lovers Key Nourishment Projects, and affirms its ability to provide the local match as necessary to implement state-funded beach and inlet projects as requested.

Section 2. The County hereby supports Project regionalization where possible to conserve sand resources and/or reduce project costs and will work with the Town of Fort Myers Beach to coordinate bidding and construction of the Estero Island Shore

Protection Project, Lovers Key Nourishment, and Bonita Beach Nourishment where possible.

Section 3. The County Manager or Deputy County Manager of the Lee County Board of County Commissioners is hereby authorized to execute change orders and amendments for existing and future grant agreements as previously approved by the Florida Department of Environmental Protection and Lee County Board of County Commissioners under the State of Florida Beach Management Funding Assistance Program that do not result in a change to the local cost share percentage or require a budget amendment resolution.

Commissioner Manning made the motion to adopt the foregoing resolution, seconded by Commissioner Sandelli. The vote was as follows:

John Manning	<u>Aye</u>
Cecil L Pendergrass	<u>Absent</u>
Ray Sandelli	<u>Aye</u>
Brian Hamman	<u>Aye</u>
Frank Mann	<u>Aye</u>

DULY PASSED AND ADOPTED this 10th day of November, 2020.

ATTEST:
LINDA DOGGETT, CLERK

BY: Joyce Townsend
DEPUTY CLERK

BOARD OF COUNTY COMMISSIONERS
LEE COUNTY,

Brian Hamman
Chairman

APPROVED AS TO FORM FOR THE
RELIANCE OF LEE COUNTY ONLY

BY: Joseph Adame
Office of the County Attorney

