



Writer's Direct Dial Number: 239-533-8890

BOARD OF COUNTY COMMISSIONERS

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District Four

Mike Greenwell

District Five

Dave Harner, II

County Manager

Richard Wesch

County Attorney

Donna Marie Collins

County Hearing Examiner

April 25, 2024

Johanna Shifflette
1938 Hill Avenue
Fort Myers, 33901

RE: Caloosahatchee Creek Preserve
LDO2024-00062

Type D Limited Review

Dear Johanna Shifflette:

Your plans for the above-referenced project have been reviewed and approved for a Development Order. The Development Order is granted for the following:

The construction of two sections of boardwalk along the northeast portion of the perimeter trail known as East River Loop at berm cut #1 and #2, fill and culvert 10 berm cut areas, construction of an observation platform and seating enclave.

This approval does not relieve the development from the responsibility to obtain all other necessary Federal, State and local permits.

THIS DEVELOPMENT ORDER WILL BE VALID FOR A PERIOD OF SIX (6) YEARS AND IS SCHEDULED TO EXPIRE ON 4/25/2030.

If you have any questions concerning this matter, please contact this office.

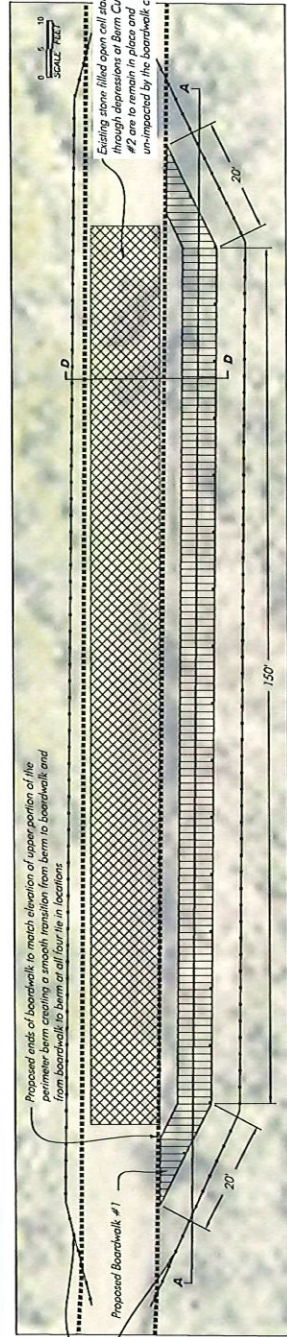
Sincerely,

DEPARTMENT OF COMMUNITY DEVELOPMENT
Development Services Section

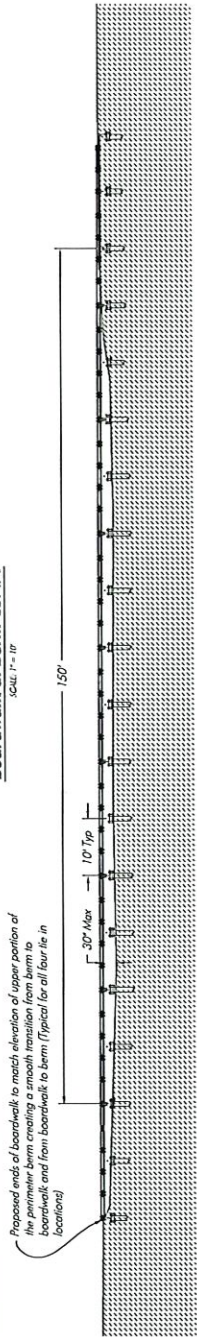
Electronically signed on 4/29/2024 by
Ohdet Kleinmann, Development Services Manager
Lee County Development Services

SECTION: 26
TOWNSHIP: 43 S
RANGE: 25 E

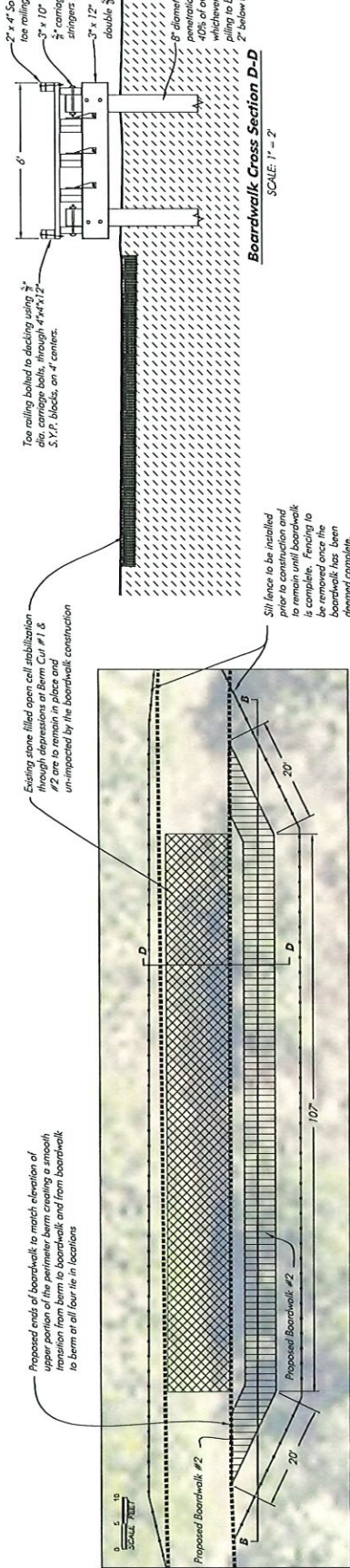
LD0024-0002 Lee County ePlan



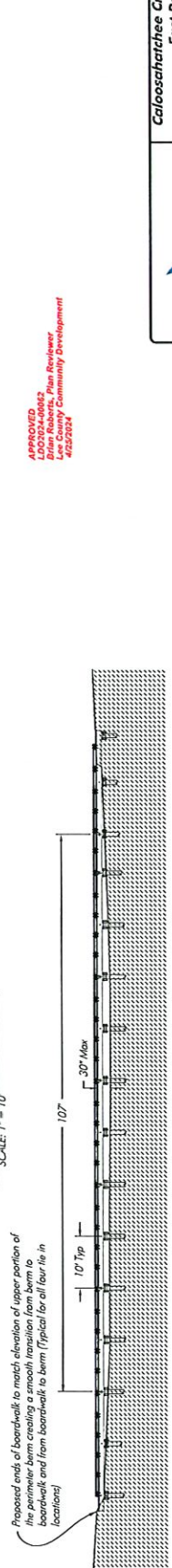
Boardwalk at Berm Cut #1
SCALE: 1" = 10'



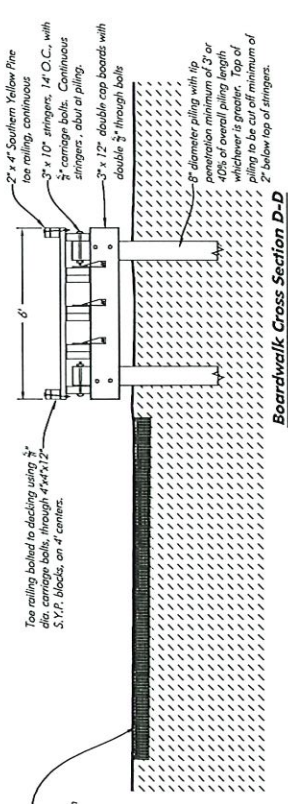
Longitudinal Section A-A Boardwalk at Berm Cut #1
SCALE: 1" = 10'



Boardwalk at Berm Cut #2
SCALE: 1" = 10'



Longitudinal Section B-B Boardwalk at Berm Cut #2
SCALE: 1" = 10'



Boardwalk Cross Section D-D
SCALE: 1" = 2'

APPROVED
APPROVED FOR THE PLAN
Lee County Community Development
4/26/2024

Plan to be installed prior to construction and to remain until boardwalk is complete. Fencing to be removed once the boardwalk has been deemed complete.

APPROVED FOR THE PLAN
Lee County Community Development
4/26/2024

Plan to be installed prior to construction and to remain until boardwalk is complete. Fencing to be removed once the boardwalk has been deemed complete.

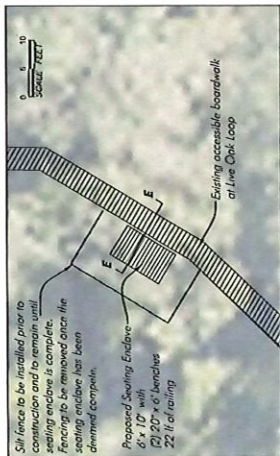
Caloosahatchee Creeks Preserve
East Park
Trail Improvements PUBLIC

FOR: LEE COUNTY DEPARTMENT OF PUBLIC WORKS
DATE: 4/16/24
SCALE: 1/8" = 1'-0"
SHEET: 2 of 8

HWA
LANDSCAPE ARCHITECTS

1928 Hill Avenue, Fort Myers, Florida 33901
Tel: 813.939.1100
www.hwa.com
MAJOR AND ENVIRONMENTAL CONSULTANTS

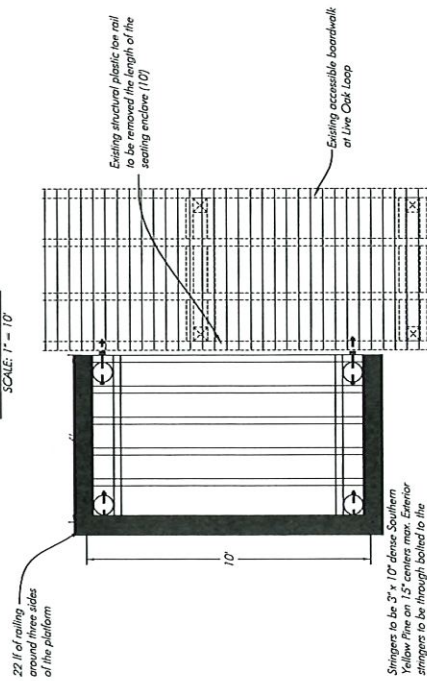
SECTION: 26
TOWNSHIP: 43 S
RANGE: 25 E



Silt fence to be installed prior to construction and to remain until seating enclosure is complete. Fencing to be removed once the seating enclosure has been deemed complete.

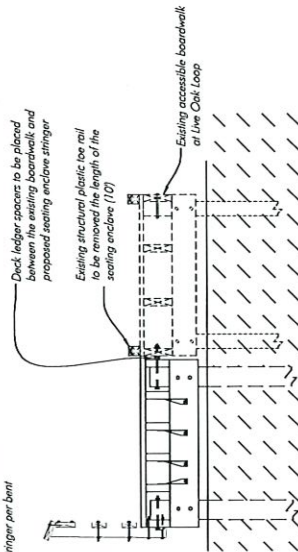
Proposed Seating Enclosure: 6' x 10' with 10' x 6' of benches 22 ft of seating

Seating Enclosure
SCALE: 1" = 10'

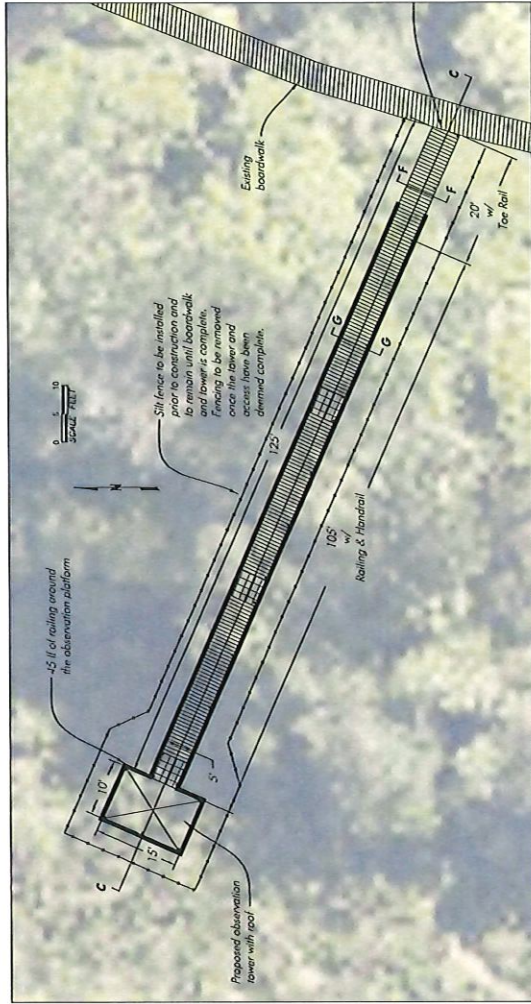


Seating Enclosure Plan Detail
SCALE: 1" = 2'

Stringers to be 3" x 10" dense Southern Yellow Pine on 15" centers max. Exterior stringers to be through bolted to the promote pile
Cap boards to be double 3" x 12" Dense Southern Yellow Pine double bolted with 3/8" S.S. through bolts
Min. 8" dia. CCA treated pile min. 6' in length.
90° twist strap (1) per stringer per foot



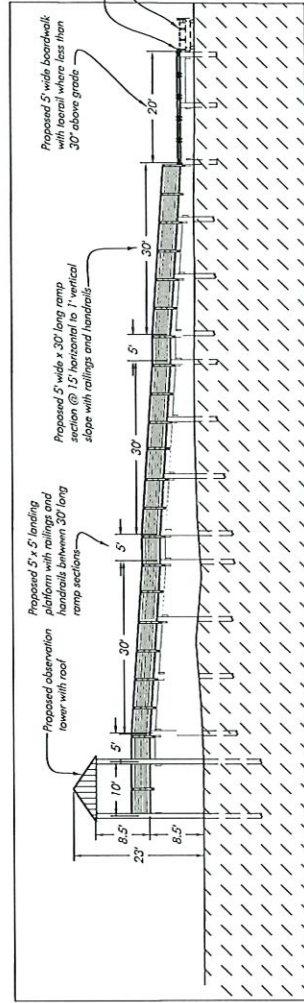
Seating Enclosure Section E-E
SCALE: 1" = 2'



Silt fence to be installed prior to construction and to remain until boardwalk fencing to be removed once the tower and access have been deemed complete.

Existing structural plastic toe rail to be removed the width of the proposed access boardwalk (5')

Observation Tower & Access
SCALE: 1" = 10'



Observation Tower & Access Section C-C
SCALE: 1" = 10'

Existing structural plastic toe rail to be removed the width of the proposed access boardwalk (5') at Live Oak Loop

APPROVED
Brian Roberts, Plan Reviewer
Lee County Community Development
4/28/2024

This plan has been prepared and issued for the project of Lee County, Florida, and is not to be used for any other project without the written consent of the engineer. The engineer assumes no responsibility for the accuracy of the information provided on any electronic copies.

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10000 N. W. 11th Ave., Suite 100
Miami, FL 33150
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Fax: 305.444.1112
www.arans.com

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& ASSOCIATES
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Caloosahatchee Creeks Preserve
East Park
Trail Improvements
FOR: LEE COUNTY DEPARTMENT OF PUBLIC WORKS
DATE: 4-16-24
SCALE: 1" = 10'
SHEET: 2 of 8

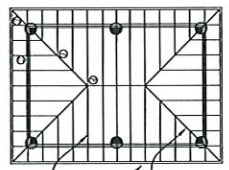
SECTION: 26
TOWNSHIP: 43 S
RANGE: 25 E

DESIGN WIND SPEED 140 MPH (3 SEC GUST)
BASIC WIND SPEED 110 MPH
WIND EXPOSURE FACTOR 1.0
WIND EXPOSURE D
ADJUSTMENT FACTOR 1.0
INTERNAL PRESSURE COEFFICIENT N/A
COMPONENTS AND CLADDING
INTERIOR ROOF +16.0 PSF / -27.0 PSF
EDGE ROOF +16.0 PSF / -53.3 PSF
CORNER ROOF +16.0 / -53.3 PSF
WINDOWS AND DOORS - N/A

- Notes:
1. This drawing does not intend to show rafter quantities
 2. General contractor is responsible for all temporary bracing
 3. If rafter uplift conditions exceed strapping specifications, the contractor must notify the designer prior to installation of the trusses
 4. Trusses are designed to meet all load interaction, uplift, and lateral load requirements along with the information provided on this drawing
 5. Contractor to coordinate all temporary bracing with H18 P1 specs
 6. Provide grade 2 lumber for rafters

NO.	DESCRIPTION	DATE	BY	CHKD.
1	ISSUED FOR PERMIT	11/15/24
2
3
4
5

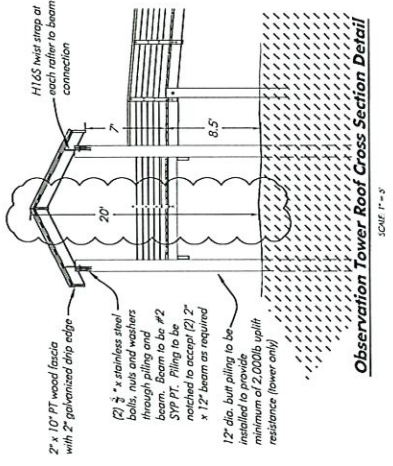
Note: If any of the connectors shown are not obtainable, it is acceptable that an equal connector is used and the engineer is notified of the change



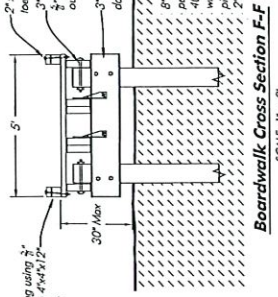
Observation Tower Roof Plan View
SCALE: 1" = 3'

2" x 10" PT wood ridge board
2" x 8" PT wood common rafter @ 16' on center
2" x 4" PT wood purlins @ 16" on center
CALVALUME® ribbed metal roof sheathing

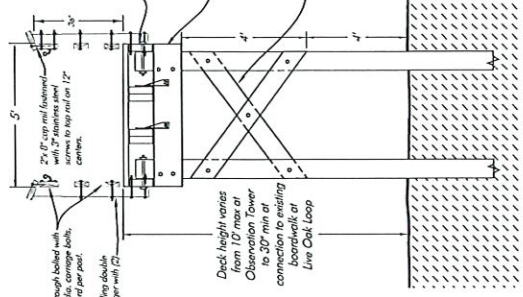
Purlins to be screwed to rafters with #10, 3" SS screws, (2) per purlin, at each rafter connection
Roof decking to be attached in accordance to section 1507.3.2(3) FBC. ASTM A 653 G-90 zinc coated and insulated per manufacturer's specifications



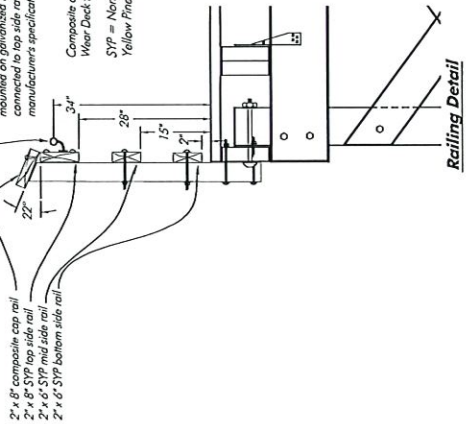
Observation Tower Roof Cross Section Detail
SCALE: 1" = 3'



Boardwalk Cross Section F-F
SCALE: 1" = 2'



Boardwalk Cross Section G-G
SCALE: 1" = 2'



Railing Detail
SCALE: 1" = 1'

FRANK J. WILSON
Professional Engineer
No. 10000
State of Florida
Professional Seal
10000
FRANK J. WILSON
Professional Engineer
No. 10000
State of Florida
Professional Seal
10000

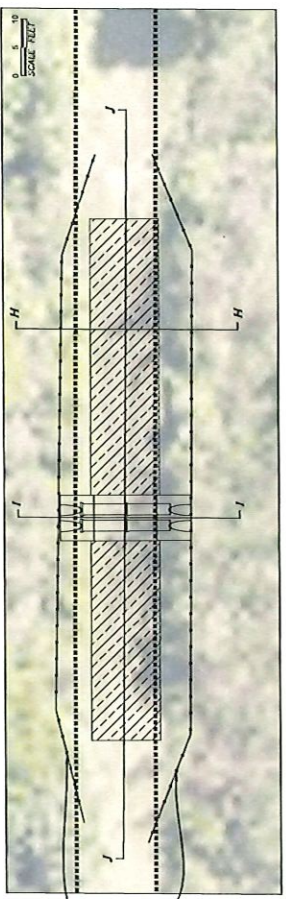
HWA
Hines Wilson
Associates
1528 Hill Avenue, Fort Myers, Florida 33907
Tel: 813-938-1100
www.hwa.com
ARCHITECT AND ENVIRONMENTAL CONSULTANTS

Caloosahatchee Creeks Preserve East Park Trail Improvements of PUBLIC WORKS	
FOR: LEE COUNTY DEPARTMENT OF PUBLIC WORKS	DATE: 4/16/24
PROJECT: 41-16-24	SHEET: 4 OF 8
DATE: 4/16/24	SCALE: 1" = 2'
PROJECT: 41-16-24	SCALE: 1" = 2'
PROJECT: 41-16-24	SCALE: 1" = 2'

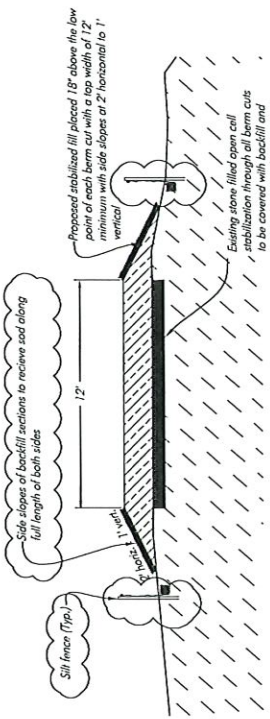
APPROVED
LDC2024-0002
Lee County
Lee County Community Development
4/22/2024

SECTION: 26
TOWNSHIP: 43 S
RANGE: 25 E

Prior to any work or other berm cut preparation all fencing is to be installed along both sides of the berm depression remaining onto the top of berm at both ends of the cut. Fencing to be removed once the berm cuts and boardwalks have been deemed complete.



Typical Backfill at Berm Cut (typical double culvert.)
SCALE: 1" = 10'

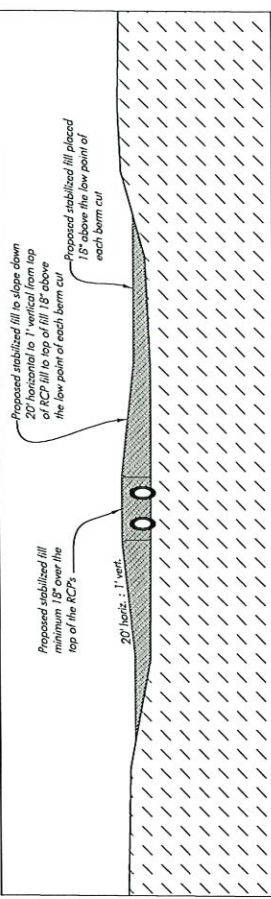


Typical Backfill Cross Section H-H
SCALE: 1" = 3'

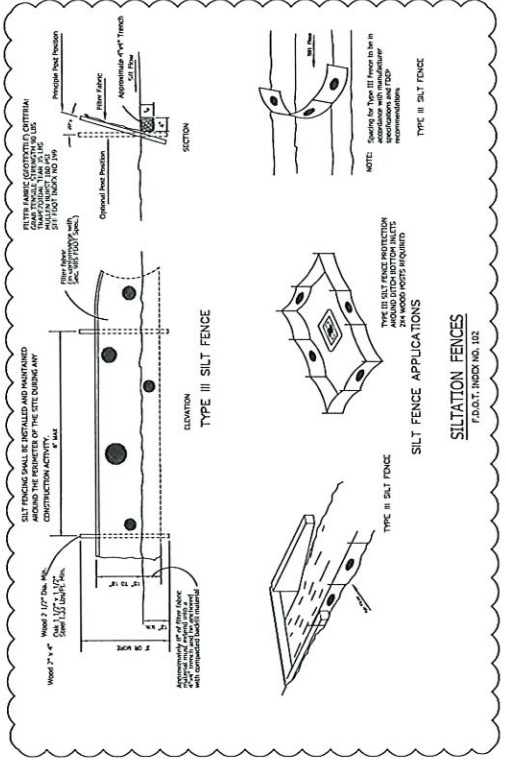
Proposed Culvert Pipes with Fill @ Berm Cut #3 - #12
* Boardwalks @ #1 and #2

Low Point Elevations	Fill Footprint	CY Fill	LF RCP
#1 (-0.7)	1942	105	48
#2 (-0.2)	3520	93	32
#3 (-0.9)	1160	74	32
#4 (-2.0)	1125	79	32
#5 (-1.4)	3223	190	32
#6 (-2.6)	1317	65	32
#7 (-3.3)	1000	65	32
#8 (-3.1)	1853	112	32
#9 (-1.0)	1185	74	32
#10 (-1.2)			
#11 (-1.2)			
#12 (-0.9)			
Total Fill Footprint	19,901 sf		
Total RCP	336 LF		

APPROVED
By: Bruce Roberts, Plan Reviewer
4/23/2024
Lee County Community Development



Typical Longitudinal Section I-I of Backfill at Berm Cut
SCALE: 1" = 10' horizontal / 1" = 3' vertical



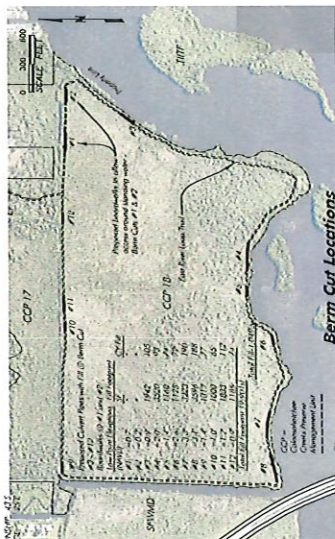
SILT FENCE APPLICATIONS
SILTATION FENCES
F.D.O.T. INCH NO. 102

Caloosahatchee Creeks Preserve
East Park
Trail Improvements
FOR: LEE COUNTY DEPARTMENT OF PUBLIC WORKS
DATE: 4-14-24
SCALE: 1" = 10'
DRAWN: [Name]
CHECKED: [Name]

HWA
ENGINEERS
1928 Hill Avenue, Fort Myers, Florida 33901
PHONE: 813-939-1100
FAX: 813-939-1101
WWW.HWA-FL.COM

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SECTION: 26
TOWNSHIP: 43 S
RANGE: 25 E





SECTION: 26
TOWNSHIP: 43 S
RANGE: 25 E

Lee County S.T.R.A.P. # 26-43-25-00-00001.0000 @ 313.536 acres total
Soils from USDA Natural Resources Conservation Service Web Soil Survey

- 21 Myakka fine sand, 0 to 2 percent slopes 12,909 ac
- 22 Willert muck, tidal, 0 to 1 percent slopes 30,094 ac
- 27 Pompano fine sand, frequently ponded, 0 to 1 percent slopes 5,988 ac
- 28 Immobile sand, 0 to 2 percent slopes 24,595 ac
- 33 Oldimar sand, 0 to 2 percent slopes 20,188 ac
- 25 Wabasso sand, 0 to 2 percent slopes 3,026 ac
- 144 Caloosa fine sand, 0 to 2 percent slopes 216,736 ac

Statement of Surface Hydrology

The project area is located entirely within Lee County S.T.R.A.P. # 26-43-25-00-00001.000, a 213 acre parcel which is a part of Lee County's Caloosahatchee Creeks Preserve. The proposed boardwalks and berm cut backfilling is designed to maintain the existing surface hydrology. There is an existing west to east ditch/canal situated directly north of the proposed berm backfill locations #9, #10, #11, #12, and the two proposed boardwalks at berm cuts #1 and #2. Local knowledge of the property conveyed to the applicant and the current parcel file and location data acquired via survey grade GPS specifically for this project confirm that surface water flow towards the ditch from both the north and the south into the ditch and exits the property to the east, emptying into the Caloosahatchee River. The berm cuts labeled as #1 and #2 are to remain unimpeded for surface water flow by constructing boardwalks to cross the perpetually wet, discharge locations. Berm cuts #3 through #12 are proposed to be backfilled and have culverts installed at the existing topoint of the berm cuts. The culverts are to allow for discharge during extreme events such as runoff following a tidal surge. The boardwalks and culverts will maintain the existing site surface water regime without impacts to the groundwater or surface water.

APPROVED
LD00324-0002
Final Review
Lee County Community Development
4/25/2009

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HWA
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Caloosahatchee Creeks Preserve
East Park
Trail Improvements

FOR:	LEE COUNTY DEPARTMENT OF PUBLIC WORKS
DATE:	4/16/09
SCALE:	1" = 200'
DRAWN BY:	DAVID HAMD
CHECKED BY:	DAVID HAMD