



Reuben//Clarson CONSULTING



September 9, 2022

The Tignor Group
1255 South Tamiami Trail
Sarasota, Fl. 34239

*EMAIL TO
K TIGNOR @ THE TIGNOR
GROUP PC*

Attn: Kristy Tignor, P.E.
Re: St. Regis Longboat Key Groin Replacement

Dear Kristy:

The existing 240 LF precast concrete beam and plank groin consists of the original 120 LF with a 120 LF extension. Per the latest survey on August 20, 2022 there is 128 +/- LF of the groin exposed with the balance buried under accreted sands.

The top deck 6' long x 10'-4" wide sections have structural defects plus it appears there are several issues with some of the beams at the waterward end of the groin where 2 of the deck slabs are missing. An inspection of the interior beams and inside portions of the longitudinal beams is not possible due to lack of access with the remaining deck slabs still in place. Once the permit is issued the deck slabs can be removed for a complete inspection and the full scope of the project determined.

The new survey shows the top of the deck slabs uneven. The new deck slabs will be level for safe walking. I'll show a turbidity barrier around the groin- this might have to be secured with wood piles jetted or driven into the bottom.

I will be sending you 2 pages on the survey; 3 pages relating to the permit plans for the extension; and 2 pages with the plan view, side view and end view of the groin sections.

Please call me at 727-710-0237 if needed. I can call the office and have them do a tweak if needed and email it back to you.

Do not call me from 9 AM – 2 PM on Tuesday 9/13/22 as I will be in a meeting.

Thanks.

Sincerely,
Reuben Clarson Consulting

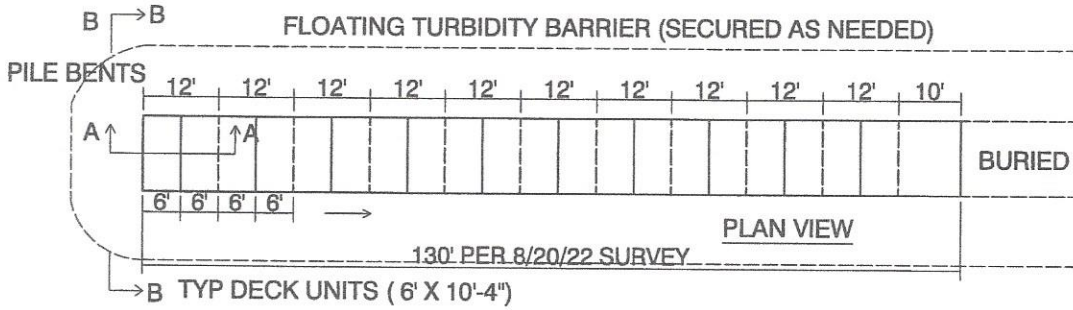
Reuben
Reuben Clarson PE
Florida Licensed Engineer 16313

780 94th Avenue North, Suite 102, St. Petersburg, FL 33702
T: 727.895.4717 E: Info@ReubenClarsonConsulting.com W: ReubenClarsonConsulting.com

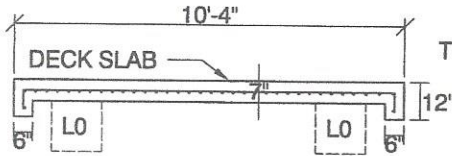
MARINE ENGINEERING // **ASSESS. ADVISE. DESIGN.**

Florida Licensed Engineer #16313

Certificate of Authorization #9206

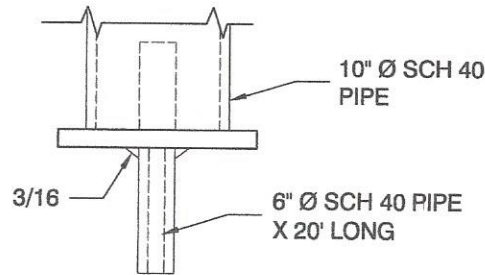
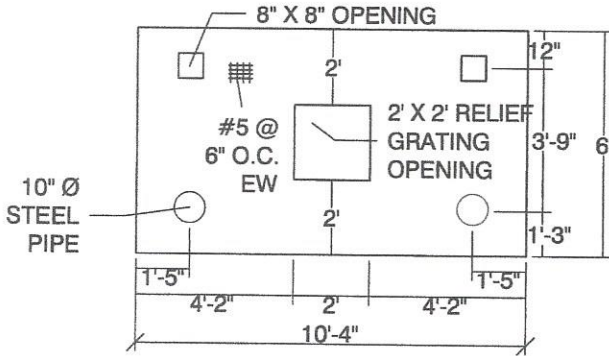


REVIEWED FOR CODE COMPLIANCE
APPROVED
 Reviewer: pfige
 12/09/2022
 Permit #: PB22-1213

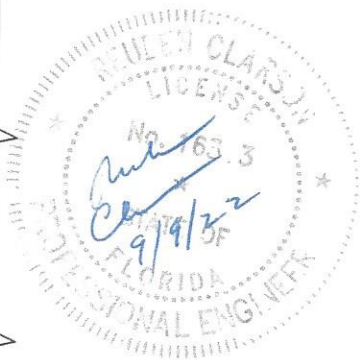
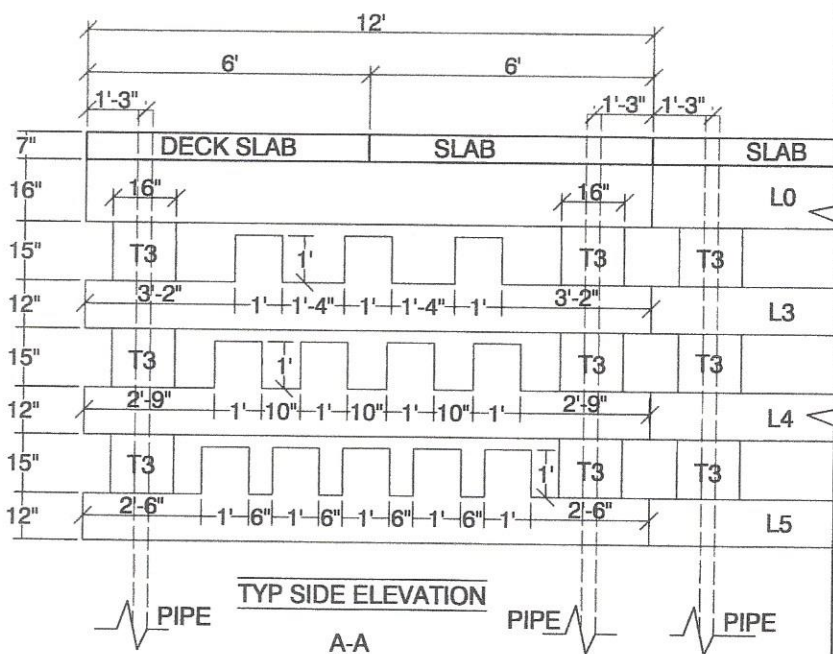


TOP TO BE LEVEL AT 3.5 NAVD WITH ADA RAMP CLOSER TO LAND WHERE DECK SLOPES DOWN

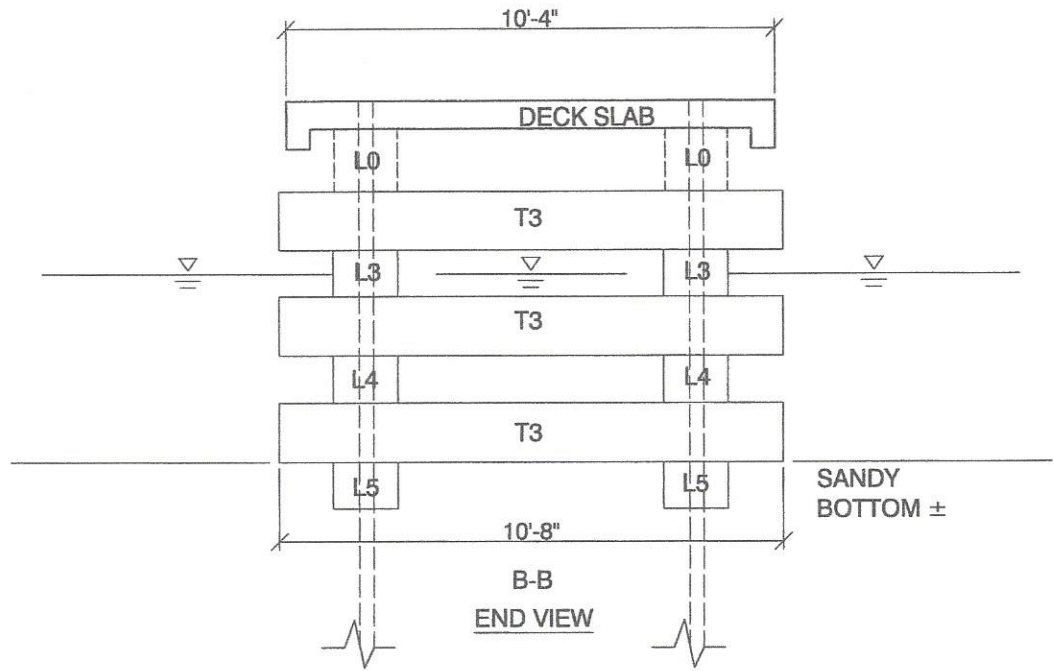
CONCRETE - 5000 PSI
 REBAR - GRADE 60, NOT COATED
 3" CONCRETE COVER, ALL BARS #5, STIRRUPS #3.
 WELD BARS TO PIPES.
 TOP OF SLABS - LIGHT BROOM FINISH



DECK SLABS

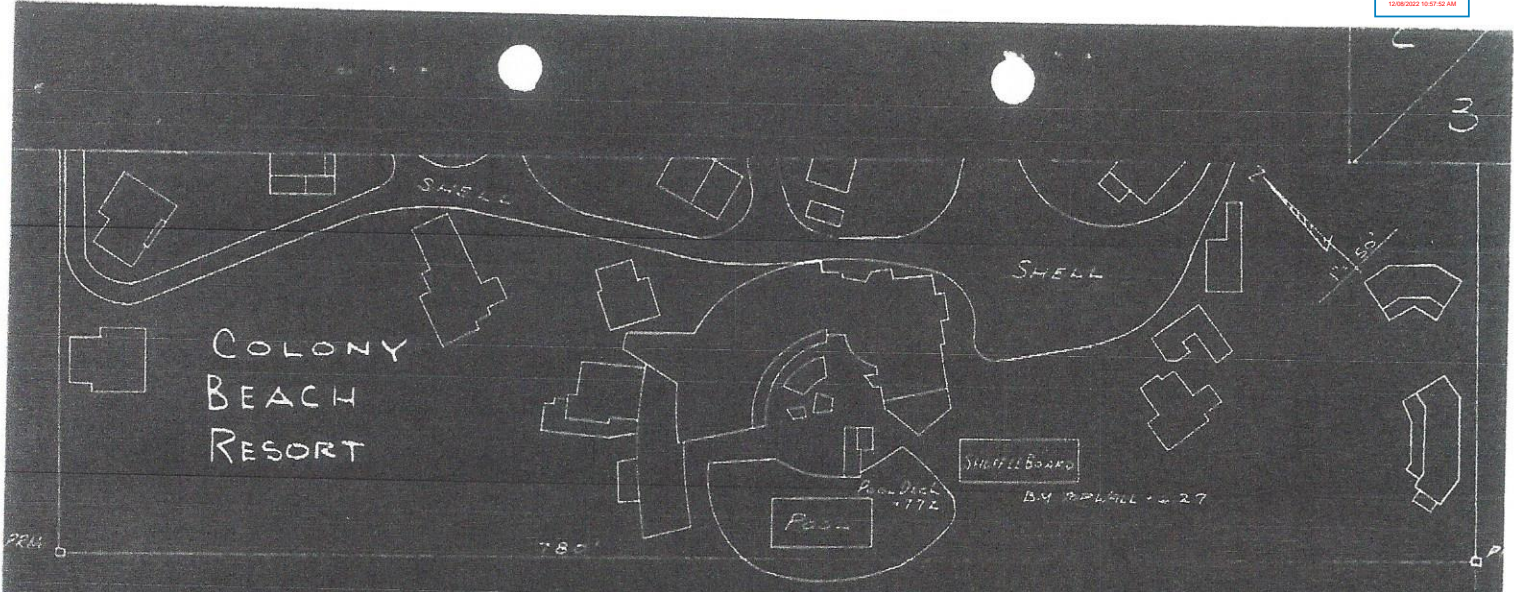


Reuben Clarkson CONSULTING MARINE ENGINEERING ASSESS. ADVISE. DESIGN (CERT. OF AUTH. NO. 9206) 780 94TH AVENUE NORTH, SUITE 102, ST. PETERSBURG, FL 33702 P: (727) 895-4717 F: (727) 578-9542 WWW.REUBENCLARSONCONSULTING.COM	OWNER:	CONTRACTOR:	DATE:	SHEET:
	1620 GULF OF MEXICO DR LONGBOAT KEY, FL		9-9-2022	1 OF 2
	ST. REGIS GROIN REPLACEMENT		DRAWN/CHECK BY: JH/JA	SCALE: N.T.S.
			PROJ. NO. RR22-22LB5355	



1 OVERALL SITE PLAN VIEW
 1 OF 2 1"=16'

<p>Reuben Clarkson CONSULTING MARINE ENGINEERING ASSESS ADVISE DESIGN (CERT. OF AUTH. NO. 9206) 780 94TH AVENUE NORTH, SUITE 102, ST. PETERSBURG, FL 33702 P: (727) 895-4717 F: (727) 578-9542 WWW.REUBENCLARSONCONSULTING.COM</p>	OWNER:	CONTRACTOR:	DATE: 9-9-2022	SHEET: 2 OF 2
	<p>1620 GULF OF MEXICO DR LONGBOAT KEY, FL</p>		DRAWN/CHECK BY: JH/JA	REVISIONS:
	<p>ST. REGIS GROIN REPLACEMENT</p>		SCALE: N.T.S.	
			PROJ. NO. RR22-22LB535S	



COLONY
 BEACH
 RESORT

SHUFFLE BOARD

B.M. BALL HALL 1-27

M.H.W.

M.L.W.

CONTOUR LINE - LOW WATER BOAT KEY MASTER PLAN

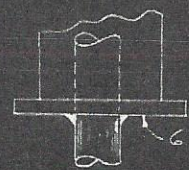
354

GULF OF MEXICO

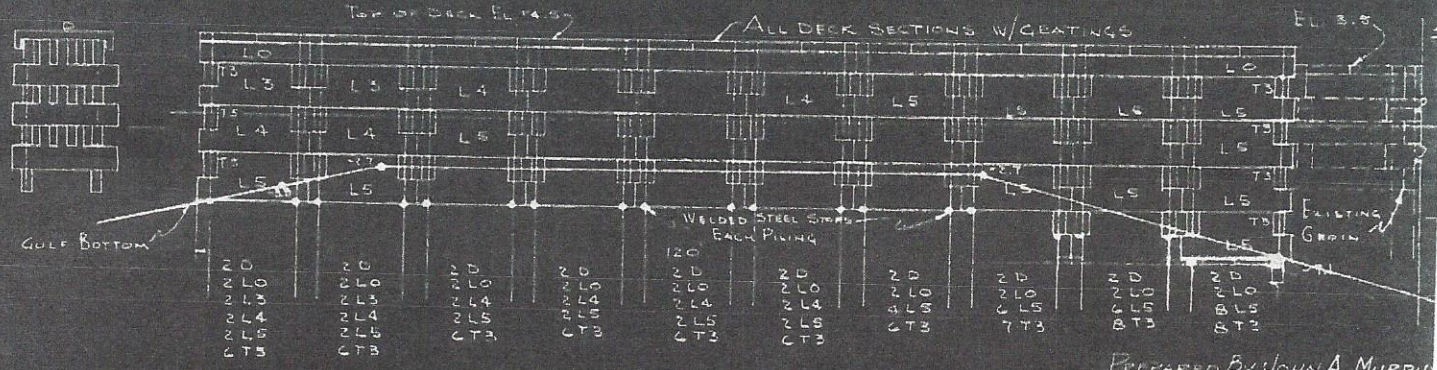
PROPOSED PERMEABLE CONCRETE
 PIER/GRIN
 MAKEUP WOOD TYPE
 P.O. BOX 596, SARASOTA, FLA.
 IN THE GULF OF MEXICO
 TOWN OF LONGBOAT KEY
 SARASOTA COUNTY, FLA.
 APPLICANT - COLONY BEACH RESORT
 ATT. MR. HERBERT P. FIELD
 1120 GULF OF MEXICO DRIVE
 SARASOTA, FLORIDA

- TOTAL PIECES
 20 DECK (WITH COATING)
 20 L0
 4 L1
 12 L4
 36 L5
 65 T3
 137 TOTAL

NOTE
 OFFSHORE TOPOGRAPHY
 TAKEN OCTOBER 17, 1966



TYPICAL STEEL PILE



PROFILE

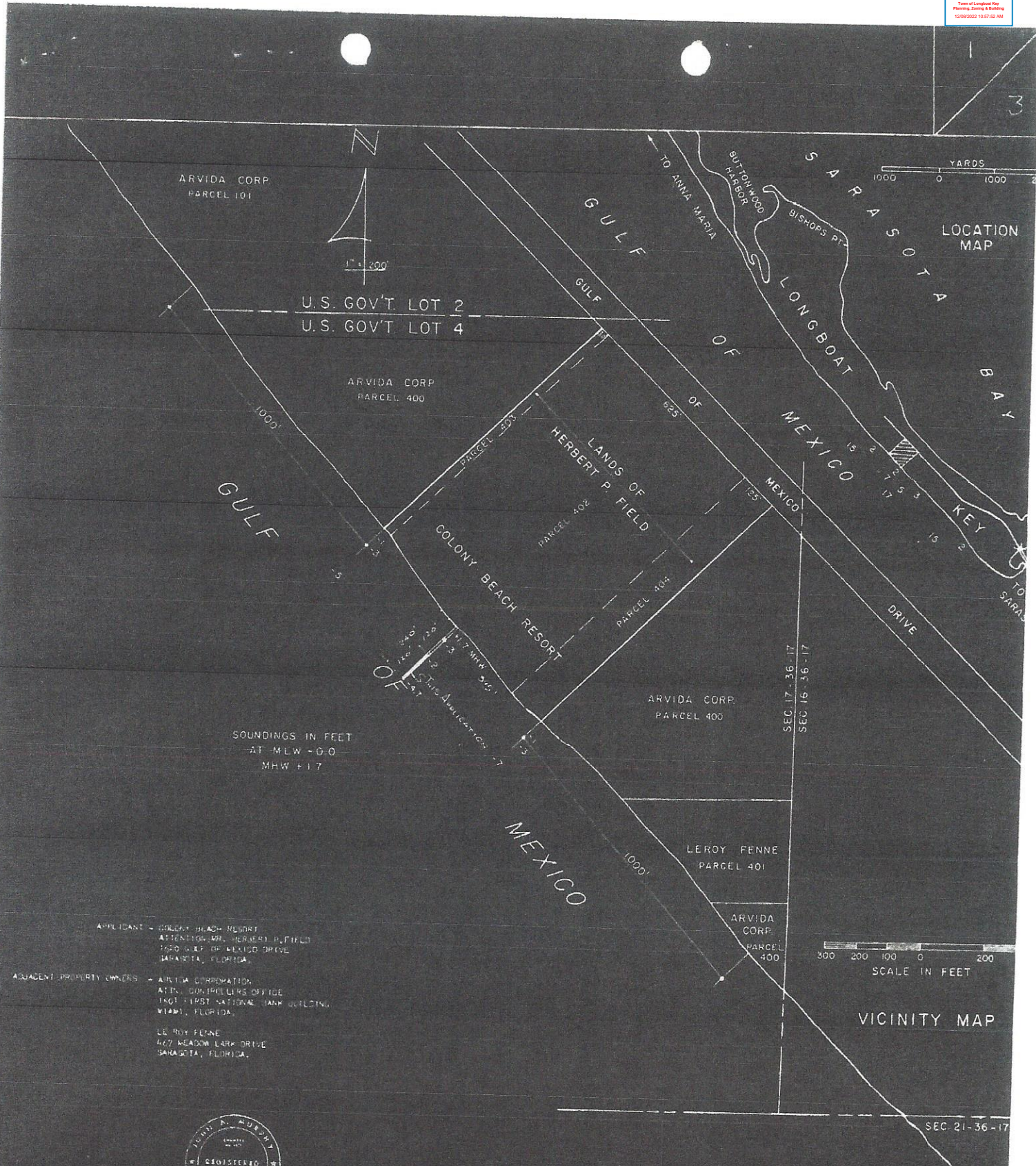
PROFILE SCALE:
 1" = 10' HORIZONTALLY
 1" = 5' VERTICALLY

PREPARED BY JOHN A. MURPHY
 CONSULTING ENGINEER
 304 GERSHWIN DRIVE,
 SARASOTA, FLORIDA.

John A. Murphy 10-27



18



LOCATION MAP

SOUNDINGS IN FEET
 AT MLW -0.0
 MHW +1.7

SCALE IN FEET
 300 200 100 0 200

VICINITY MAP

APPLICANT - COLONY BEACH RESORT
 ATTENTION MR. HERBERT P. FIELD
 1620 GULF OF MEXICO DRIVE
 SARASOTA, FLORIDA.

ADJACENT PROPERTY OWNERS - ARVIDA CORPORATION
 ATTN: CONTROLLERS OFFICE
 1801 FIRST NATIONAL BANK BUILDING
 MIAMI, FLORIDA.

LERROY FENNE
 407 MEADOW LARK DRIVE
 SARASOTA, FLORIDA.



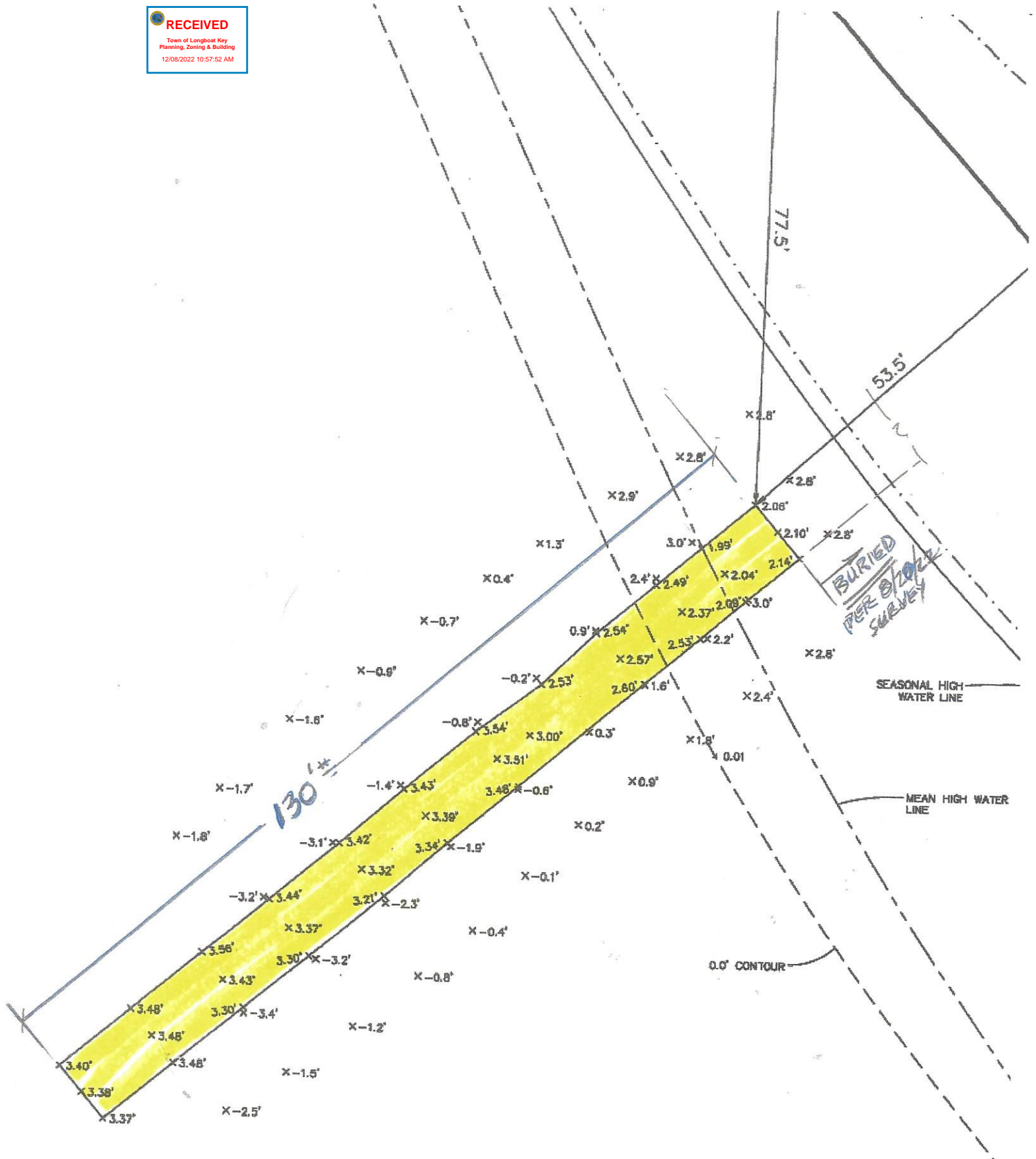
John A. Murphy
 7/23/1965
 2/9/1966

PERMEABLE CONCRETE GROIN FOR SHORE EROSION CONTROL
 BY WAREPLACE ROAD, 1620 GULF OF MEXICO DRIVE SARASOTA, FLORIDA
 COPYRIGHT RESERVED - PATENT PENDING

PROPOSED PERMEABLE CONCRETE GROIN
 IN THE GULF OF MEXICO - TOWN OF LONGBOAT KEY
 SARASOTA COUNTY FLOR.

APPLICANT - COLONY BEACH RESORT
 HERBERT P. FIELD - OWNER

PREPARED BY - JOHN A. MURPHY
 CONSULTING CIVIL ENGINEER
 JULY 23 1965 FLORIDA CERTIFICATE 4877



8/20/22 SURVEY

