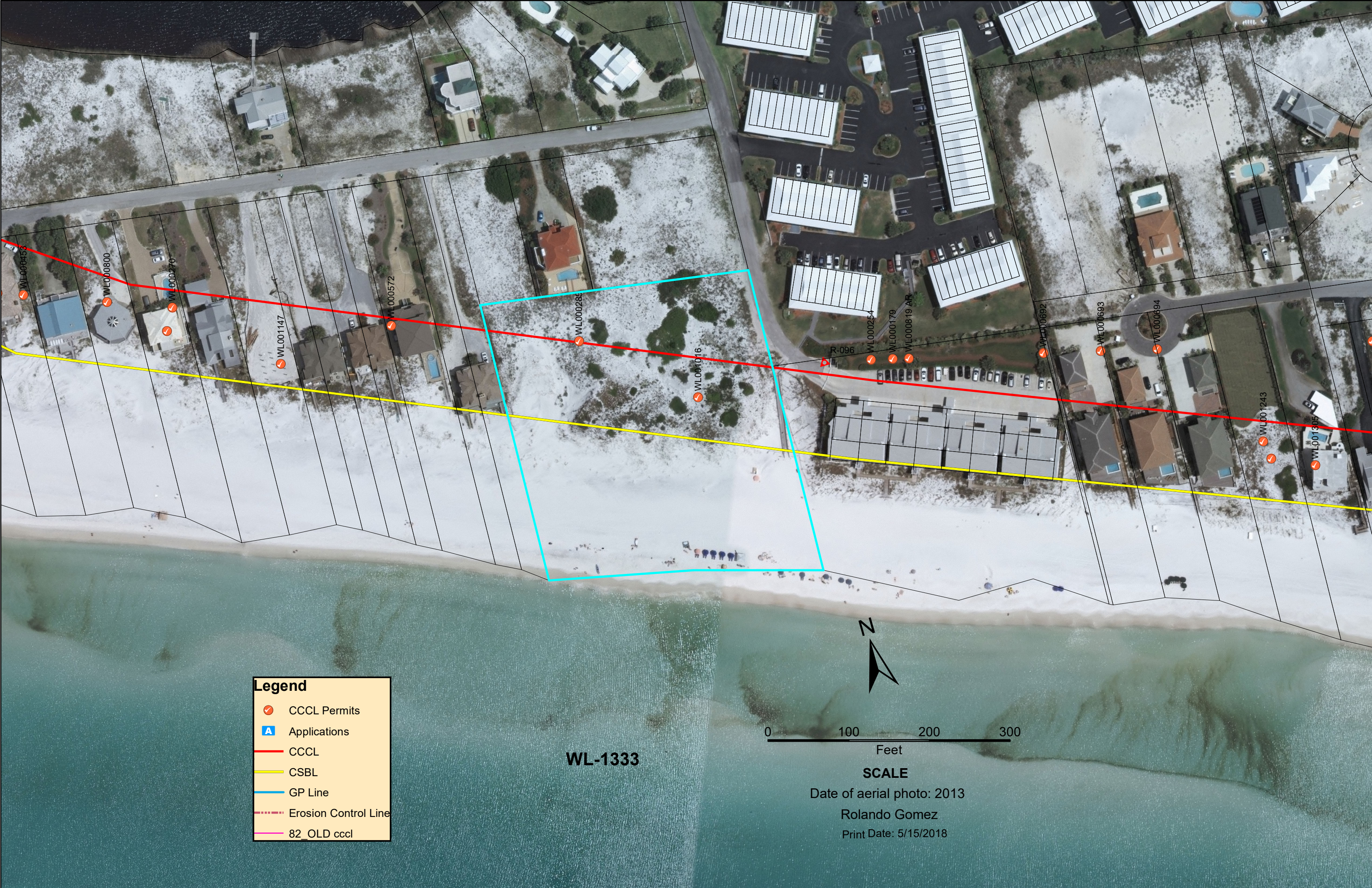
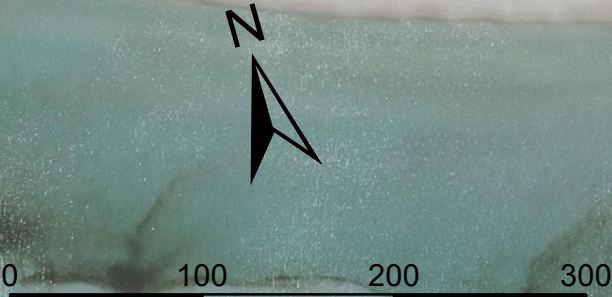




Legend

- CCCL Permits
- Applications
- CCCL
- CSBL
- GP Line
- Erosion Control Line
- 82_OLD cccl

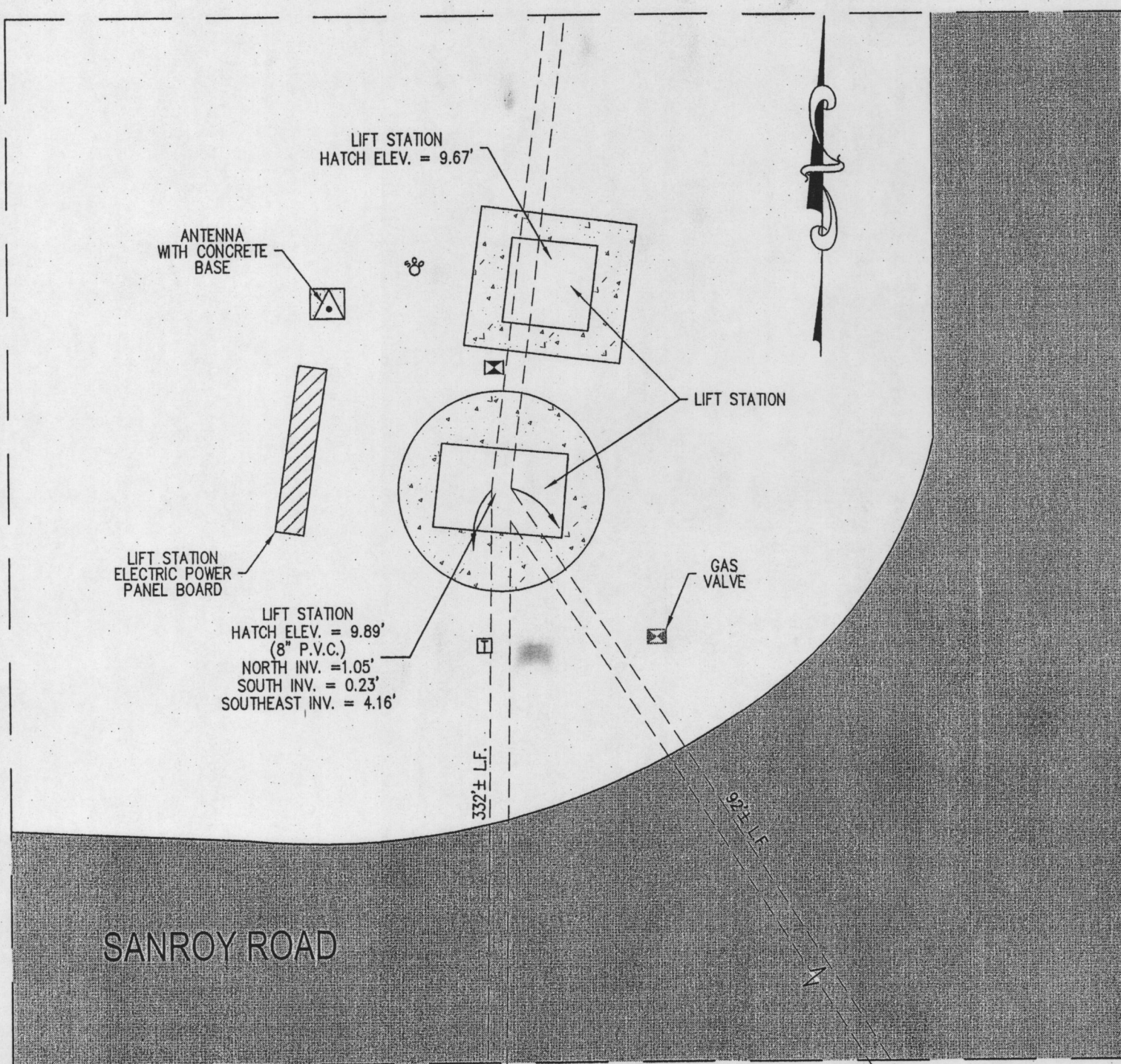
WL-1333



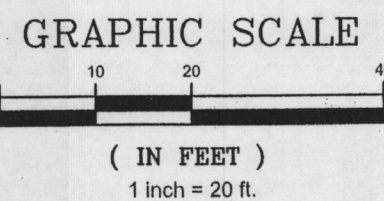
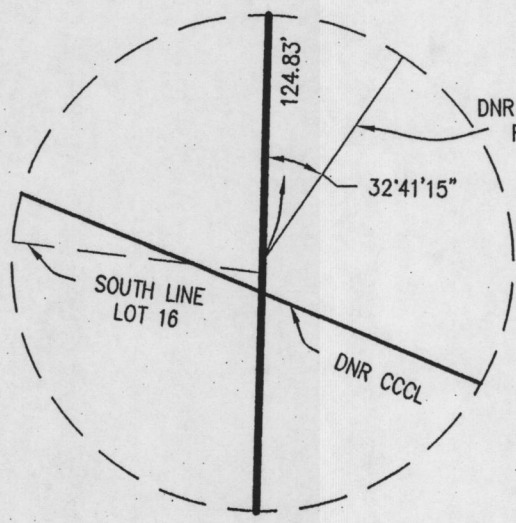
SCALE
Date of aerial photo: 2013
Rolando Gomez
Print Date: 5/15/2018

LIFT STATION DETAIL

SCALE: 1" = 5'



DETAIL: NOT TO SCALE



LEGEND

- = FOUND NAIL AND DISK L.B. #3724
- = FOUND 1/2" CAPPED IRON ROD L.B. #3724
- = FOUND 1/2" CAPPED IRON ROD L.B. 7090
- = FOUND 4" BY 4" CONCRETE MONUMENT L.B. #3724
- R/W = RIGHT OF WAY
- C/L = CENTERLINE
- P.C. = POINT OF CURVATURE
- L.S. = LICENSED SURVEYOR
- L.B. = LICENSED SURVEY BUSINESS
- L.F. = LINEAR FEET
- = NOT TO SCALE
- D.N.R. = DEPARTMENT OF NATURAL RESOURCES
- C.C.C.L. = COASTAL CONSTRUCTION CONTROL; LINE
- NGVD = NATIONAL GEODETIC VERTICAL DATUM
- FDEP = FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
- 15'- = CONTOUR ELEVATION AT 1 FOOT INTERVALS
- +10.56 = SPOT ELEVATION AT "DOT"
- C.P.Z. = WALTON COUNTY COASTAL PROTECTION ZONE
- CH = CHAINS (1CHAIN = 66 FEET)
- CO. = COUNTY
- G.P. = GOVERNMENT TOWNSHIP PLAT JULY 13, 1949
- MHWL = MEAN HIGH WATER LINE
- = HERBACIOUS BEACH DUNE HABITAT
- = CPZ (COASTAL PROTECTION ZONE)

SURVEY REPORT

- BEARINGS SHOWN HEREON ARE REFERENCED TO THE EAST LINE OF LOT 33, U.S. GOVERNMENT SUBDIVISION PLAT OF SECTION 19, TOWNSHIP 3 SOUTH, RANGE 18 WEST, WALTON COUNTY, FLORIDA, AS BEING SOUTH 01°02'00" WEST.
 - THIS PARCEL IS LOCATED IN FLOOD ZONE X, NO BASE FLOOD ELEVATION REQUIRED, AND IN FLOOD ZONE "AE" (EL. 8), 8' BASE FLOOD ELEVATION REQUIRED, AND FLOOD ZONE "VE" (EL. 11), 11' BASE FLOOD ELEVATION REQUIRED, AND FLOOD ZONE "VE" (EL. 13), 13' BASE FLOOD ELEVATION REQUIRED, AND FLOOD ZONE "VE" (EL. 14), 14' BASE FLOOD ELEVATION REQUIRED, AND IN FLOOD ZONE "VE" (EL. 16), 16' BASE FLOOD ELEVATION REQUIRED, AS DETERMINED BY SCALE FROM F.E.M.A. MAP NUMBER 12131C0711 G, PANEL 711 OF 738, DATED SEPTEMBER 29, 2010, WALTON COUNTY, FLORIDA.
 - NO ENVIRONMENTAL JURISDICTION LINES HAVE BEEN DETERMINED BY EMERALD COAST ASSOCIATES, INC.
 - THIS SURVEY WAS PERFORMED WITH THE BENEFIT OF CHICAGO TITLE INSURANCE COMPANY COMMITMENT FOR TITLE INSURANCE FILE NUMBER 18-32932, EFFECTIVE DATE: OCTOBER 7, 2016 AT 5:00 PM. NO FURTHER SEARCH OF THE PUBLIC RECORDS WAS PERFORMED BY EMERALD COAST ASSOCIATES, INC.
- PURSUANT TO SCHEDULE BII, THE UNDERSIGNED SURVEYOR RENDERS THE FOLLOWING OPINIONS AND DETERMINATIONS:
- EXCEPTIONS 1 THROUGH 8, 11 THROUGH 17, AND 19: ARE NOT SURVEY RELATED AND THE UNDERSIGNED CERTIFYING SURVEYOR RENDERS NO OPINION/DETERMINATION THERETO. (NOTE: ALL RECORDED INSTRUMENTS REFERRED TO HEREIN ARE UNDERSTOOD TO BE WITHIN THE PUBLIC RECORDS OF WALTON COUNTY, FLORIDA.)
- EXCEPTION 9: PARCEL IS SUBJECT TO ROAD AND UTILITY RESERVATIONS AS SHOWN IN THE PATENT RECORDED IN DEED BOOK 140, PAGE 21 AS AFFECTED BY PATENT RECORDED IN OFFICIAL RECORDS BOOK 2670, PAGE 1086 OF THE PUBLIC RECORDS OF WALTON COUNTY, FLORIDA, (33' EASEMENT PLOTTED AND SHOWN HEREON)
- EXCEPTION 10: PARCEL IS SUBJECT TO ROAD AND UTILITY RESERVATIONS AS SHOWN IN THE PATENT RECORDED IN DEED BOOK 140, PAGE 207 AS AFFECTED BY PATENT RECORDED IN OFFICIAL RECORDS BOOK 2670, PAGE 1086 OF THE PUBLIC RECORDS OF WALTON COUNTY, FLORIDA, (33' EASEMENT PLOTTED AND SHOWN HEREON)
- EXCEPTION 18: PARCEL IS POSSIBLY SUBJECT TO RIGHTS OF TENANTS IN POSSESSION UNDER BONA FIDE LEASES PURSUANT TO THE PROVISIONS OF SECTION 83.561, FLORIDA STATUTES (TITLED TERMINATION OF RENTAL AGREEMENT UPON FORECLOSURE).
- APPARENT USES ARE AS SHOWN: ASPHALT ROAD, BOARDWALK, FENCES.
 - ELEVATIONS SHOWN HEREON ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). SOURCE BENCHMARK MONUMENTATION AS NOTED HEREON WAS CONVERTED FROM NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29) TO NAVD88 BY THE USE OF CORPSCON FOR WINDOWS VERSION 5.11.08 SOFTWARE, AS PUBLISHED BY THE U.S. ARMY CORPS OF ENGINEERS.
 - THE DEPARTMENT OF NATURAL RESOURCES (D.N.R.) COASTAL CONTROL LINE WAS ESTABLISHED FROM D.N.R. MONUMENTS 60-94-DA09 AND 60-94-DA09 AZIMUTH MARK.
 - THIS SURVEY COMPLIES WITH THE REQUIREMENTS OF RULE 62B-33.0081, FLORIDA ADMINISTRATIVE CODE.
 - COORDINATES SHOWN HEREON ARE FOR D.N.R. PURPOSES ONLY AND ARE NOT ON OUR BEARING BASIS.
 - THE MEAN HIGH WATER LINE ELEVATION (NORTH AMERICAN VERTICAL DATUM 1988) WAS OBTAINED FROM THE F.D.E.P. LAND BOUNDARY INFORMATION SYSTEM INTERNET WEB SITE (WWW.LABINS.ORG).
 - N = 478447.5667 E = 1464441.4055 ARE STATE PLANE COORDINATES AS ESTABLISHED FROM D.N.R. MONUMENTS 60-94-DA09 AZ MK AND 60-94-DA09 AND ARE FOR F.D.E.P. PURPOSES ONLY.
 - NO STRUCTURAL FOUNDATIONS BELOW THE SURFACE OF THE GROUND WERE LOCATED.
 - GRAPHIC SYMBOLISM OF CORNER MONUMENTATION, UTILITIES, SIGNS, ETCETERA, ARE EXAGGERATED FOR CLARITY AND ARE NOT TO SCALE. THE CENTER POINT OF WHICH IS ACCURATELY PLOTTED TO SCALE AND/OR DIMENSIONED THERETO.
 - NO UNDERGROUND UTILITIES OR UTILITY LINES WERE LOCATED.
 - THE MEAN HIGH WATER ELEVATION OF 0.71' AS SHOWN HEREON, WAS ESTABLISHED BY EXTENDING THE ELEVATION SHOWN AT MEAN HIGH WATER INTERPOLATION POINT NO. 100302.

DESCRIPTION:

(AS PER SCHEDULE A, CHICAGO TITLE INSURANCE COMPANY PLANT FILE No. 6036471, AGENT FILE No. 18-32932, DATED OCTOBER 07, 2016 AT 5:00 PM.)

LOT 33 AND SOUTH 125 FEET BY THE FULL WIDTH OF LOT 16, SUBDIVISION OF WEST 1/2 OF SOUTHEAST 1/4 AND SOUTHWEST 1/4 OF SECTION 19, TOWNSHIP 3 SOUTH, RANGE 18 WEST, AS PER PLAT IN THE OFFICE OF THE UNITED STATES DEPARTMENT OF THE INTERIOR, ALL LYING AND BEING IN WALTON COUNTY, FLORIDA.

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Emerald Coast Associates Inc.
Land Planning • Engineering • Surveying
Since 1979
327 COUNTY HIGHWAY 393 SOUTH
SANTA ROSA BEACH, FLORIDA 32459
PH: (850) 267-0473, FAX: (850) 267-0879

BOUNDARY AND TOPOGRAPHIC SURVEY

THE SOUTH 125 FEET OF LOT 16, AND LOT 33,
SECTION 19, TOWNSHIP 3 SOUTH, RANGE 18 WEST,
WALTON COUNTY, FLORIDA.

DATE	REVISION	CHECK
12-14-2016	UPDATED TYPED - (JH)	BT
02-22-2017	REVISED SEE LINE AND DTY LOCATIONS, ADDED NEW LOCATIONS - (JH)	
03-07-2017	REVISED FOR TITLE COMMITMENT EFFECTIVE 8-7-18 @ 5:00 PM - (JH)	
11-14-17	ADDED HOUSE LOCATION - (JH)	
01-03-2018	REVISED FLOOD ZONE TEXT VE (1) TO AE (8) - (JH)	
01-04-2018	REVISED VEGETATION LINE - (JH)	
02-14-2018	REVISED VEGETATION LINE - (JH)	
4-12-2018	UPDATED MEAN HIGH WATER LINE (JH)	
4-19-2018	ADDED LIFT STATION - (JH)	

THE SURVEY SHOWN HEREON, PREPARED IN ACCORDANCE WITH SECTION 472.027 FLORIDA STATUTES AND CHAPTER 55-17.051 AND 55-17.052, FLORIDA ADMINISTRATIVE CODE, MINIMUM TECHNICAL STANDARDS, IS TRUE AND CORRECT TO THE BEST OF MY ORIGINAL KNOWLEDGE AND IS NOT A GUARANTEE OF THE ACCURACY OF THE SURVEY. I AM A FLORIDA LICENSED SURVEYOR AND MAPPER.

Darrell W. Burgess 4/19/18
DATE
DARRELL W. BURGESS
EMERALD COAST ASSOCIATES, INC. - L.B. #3724

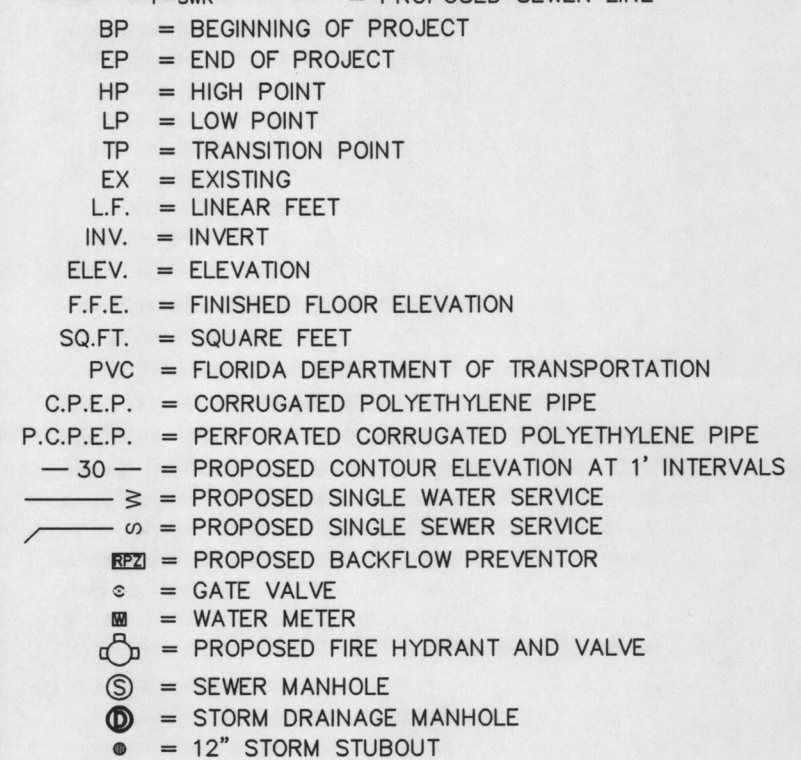
PROJECT:
99-085BT

DRAWN BY: BW/DLL/JAG SCALE: 1" = 30'
DWG. DATE: 4-12-2018 ORDER: 17-1509
FIELD DATE: 4-10-2018 PROJECT: 99-085
FIELD BOOK(S):
BK 1212, PAGES 58-59 (81); BK 1213, PAGES 58-59 (81);
BK 1778, PAGES 9-10 (200)
BK 1821, PAGES 48-49 (80)
BK 1828, PAGES 18-19 (90)

SHEET
1 OF 1

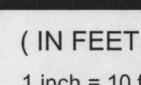
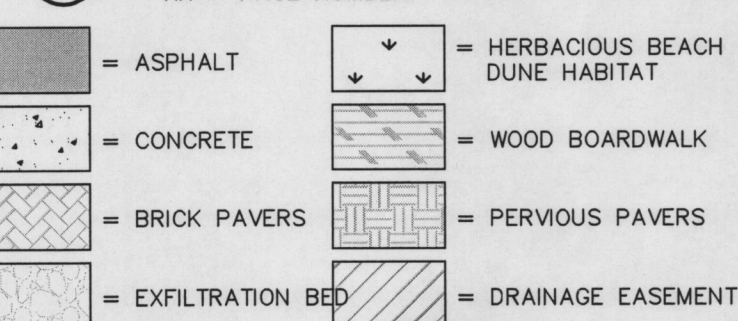
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APR 26 2018
DIVISION OF WATER
RESOURCE MANAGEMENT

WL-1333



10.00 = PROPOSED SPOT ELEVATION AT "DOT"

 = DETAIL DESIGNATION
YY = DETAIL NUMBER
XX = PAGE NUMBER



WHITE SAND PROTECTION NOTE:

PROJECT IS LOCATED IN THE RESTRICTED AREA AND THERE SHALL BE NO USE OF CONSTRUCTION MATERIAL, WHICH IS SUBJECT TO WIND OR WATER TRANSPORT, THAT PERMANENTLY DISCOLORS THE WHITE BEACH SANDS. SUCH CONSTRUCTION MATERIALS INCLUDE, BUT ARE NOT LIMITED TO, RED OR YELLOW CLAY, GRANITE, AND CONCRETE. VIOLATIONS OF THIS RESTRICTION SHALL BE RECOMMENDED BY THE COUNTY ENGINEER AND APPROVED BY THE BOARD OF COUNTY COMMISSIONERS. VIOLATIONS OF THIS RESTRICTION SHALL CONSTITUTE A MISDEMEANOR. EACH DAY OF VIOLATION SHALL CONSTITUTE A SEPARATE AND DISTINCT OFFENSE AND SHALL BE SUBJECT TO A FINE OF UP TO \$500 PER DAY.

POOL DRAINAGE NOTE:

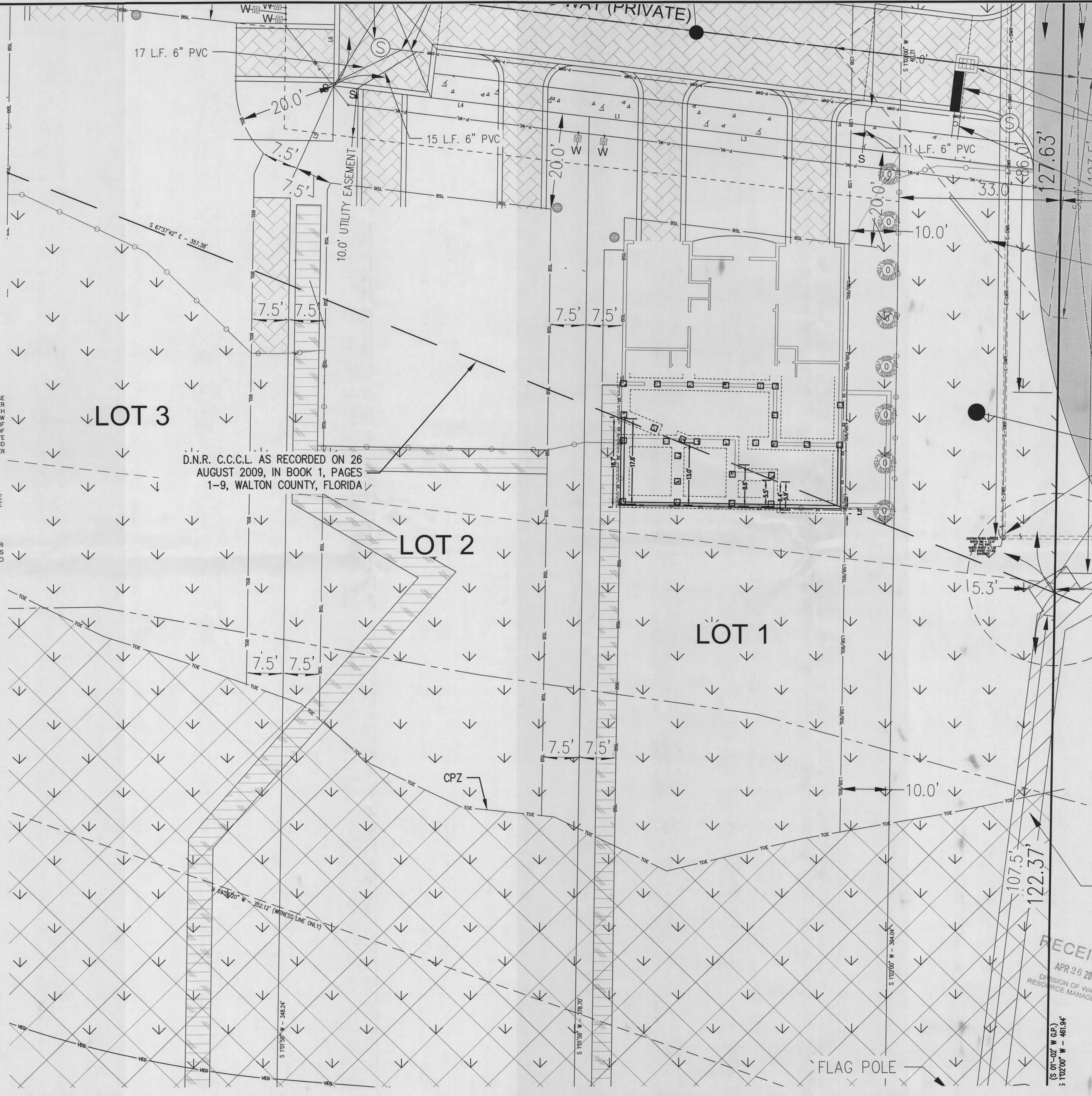
POOL DECK STORMWATER WILL BE COLLECTED AND DIRECTED OFF THE DECK VIA DRAINAGE INLETS AND CORRUGATED PLASTIC DRAINAGE PIPE TO THE EXFILTRATION SYSTEM.

DRAINAGE NOTE:

ROOF WILL BE GUTTERED, DOWN SPOUTS TO BE INSTALLED ON EACH CORNER OF THE HOUSE AND GARAGE ROOF. ALL STORMWATER FROM DOWN SPOUTS DIRECTED THROUGH CORRUGATED PLASTIC DRAINAGE PIPE DIRECTED TO THE EXFILTRATION SYSTEM, LOCATED UNDERNEATH ROADWAYS.

EXISTING LEGEND:

No. = NUMBER
 # = NUMBER
 P.S.M. = PROFESSIONAL SURVEYOR AND MAPPER
 INV. = INVERT
 ELEV. = ELEVATION
 S.F. = SQUARE FEET
 R/W = RIGHT OF WAY
 C/L = CENTERLINE
 P.C. = POINT OF CURVATURE
 L.S. = LICENSED SURVEYOR
 L.B. = LICENSED SURVEY BUSINESS
 — = NOT TO SCALE
 D.N.R. = DEPARTMENT OF NATURAL RESOURCES
 C.C.C.L. = COASTAL CONSTRUCTION CONTROL LINE
 NAV08B = NORTH AMERICAN VERTICAL DATUM 1988
 FDEP = FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
 C.P.Z. = WALTON COUNTY COASTAL PROTECTION ZONE
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 ○ = SET 1 1/2" CAPPED IRON ROD L.B. #3724
 ○ = FOUND NAIL AND DISK L.B. #3724
 ⊗ = FOUND 1 1/2" CAPPED IRON ROD L.B. #3724
 ○ = FOUND 1 1/2" CAPPED IRON ROD L.B. 7090
 ■ = FOUND 4" BY 4" CONCRETE MONUMENT L.B. #3724
 —10— = SPACING ELEVATION AT 1 FOOT INTERVALS
 ±0.56 = CONT' ELEVATION AT "DOT"
 ✕ = FIRE HYDRANT
 ⊕ = BENCHMARK
 ⊗ = MANHOLE
 —E-WL— = EXISTING WATER LINE
 —E-SWR— = EXISTING SEWER LINE
 ▽ = HERBACIOUS BEACH DUNE HABITAT
 ▨ = CPZ (COASTAL PROTECTION ZONE)
 ▨ = EXISTING ASPHALT



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ATTEN PERMISSION AND CONSENT OF ECA, INC.

REQUESTED BY: CLIFF HARBOUR

BEACHSIDE ESTATES

IN SECTION 19, TOWNSHIP 3 SOUTH, RANGE 18 WEST

FOUNDATION
DIMENSIONING

EMISION	DRAW BY	CHECK BY
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DATE	R
------	---

DE
PR

NOT VALID WITHOUT THE
SIGNATURE AND THE
ORIGINAL RAISED SEAL
OF A FLORIDA LICENSED
PROFESSIONAL ENGINEER

DEAN A. F. BURGIS
PROFESSIONAL ENGINEER No. 50705

PROJECT:
99-085

SCALE: 1" = 10'	DRAWN BY: SMH
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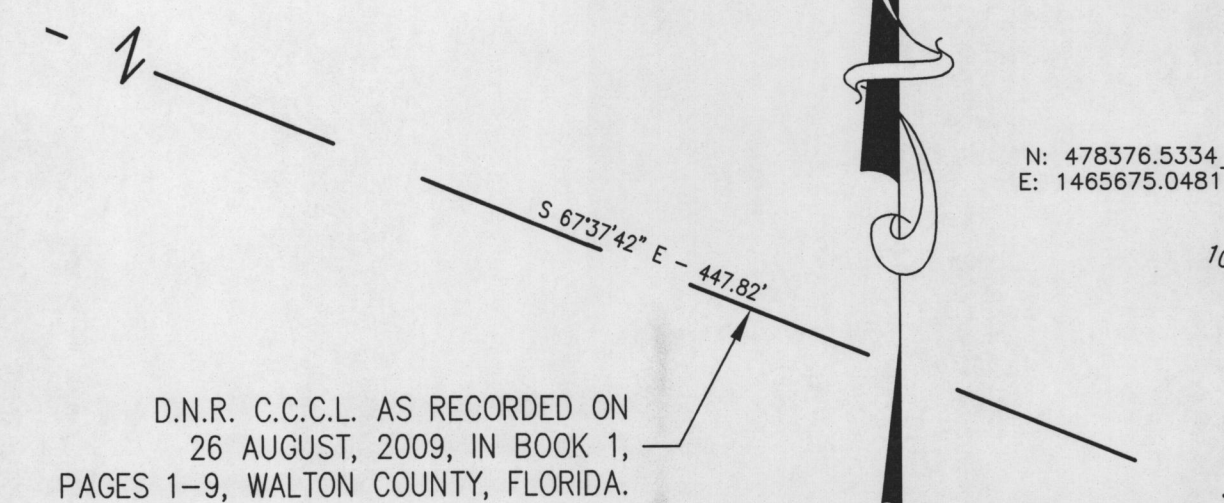
ORDER: 17-1508	DESIGN BY: SMH
DWG. DATE: 04-03-18	CHECK BY: DAF

FILE: 99-085_ENG_COOL.dwg

SHEET
3 of 6

THESE PLANS AND THE IDEAS AND CONCEPTS CONTAINED HEREIN INCLUDING DIGITAL INFORMATION ARE THE PROPERTY OF ECA, INC. AND ARE NOT TO BE REPRODUCED, COPIED, MODIFIED, OR CHANGED IN ANY FORM OR MANNER WITHOUT THE EXPRESS WRITTEN PERMISSION AND CONSENT OF ECA, INC.

\\1999\199-085\199-085_ENG_CCCL.dwg, 03-FOUNDATION DIMENSIONING, Sean Humphrey, 2:07 PM



32'41'15"

DNR CCCL MONUMENT
FIELD TIE LINE.

FUTURE LAND USE:
NEIGHBORHOOD INFILL
LAND USE:
SINGLE FAMILY

LANDWARD TOE OF PRIMARY DUNE
AND CPZ LINE

TOE
N: 478206.9842
E: 1465669.5493

TOP OF PRIMARY DUNE

SET CAPPED IRON ROD
L.B.#3724
(WITNESS MONUMENT)

FUTURE LAND USE:
NEIGHBORHOOD INFILL
LAND USE: *SEE DETAIL THIS SHEET FOR
VACANT MANHOLE / LIFT STATION DATA
TO THE NORTH*

FOUND GENERAL LAND
— OFFICE MONUMENT 3" BRASS DISK
NE CORNER GOVERNMENT LOT 9

FUTURE LAND USE:
RESIDENTIAL PRESERVATION
LAND USE:
MULTI-FAMILY

BEACHSIDE VILLAS CONDOMINIUM

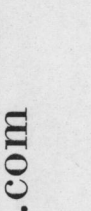
SUGAR DUNES CONDOMINIUM

	E-WL	= EXISTING WATER LINE	
	E-SWR	= EXISTING SEWER LINE	
	○	= PROPOSED SILT FENCE	
	BBL	= PROPOSED BUILDING SETBACK LINE	
	P-WL	= PROPOSED LANDSCAPE BUFFER	
	P-WL	= PROPOSED WATER LINE	
	P-SWR	= PROPOSED SEWER LINE	
BP	= BEGINNING OF PROJECT		
EP	= END OF PROJECT		
HP	= HIGH POINT		
LP	= LOW POINT		
TP	= TRANSITION POINT		
EX	= EXISTING		
L	= LINEAR FEET		
INV	= INVERT		
ELEV	= ELEVATION		
F.F.E.	= FINISHED FLOOR ELEVATION		
SQ.FT.	= SQUARE FEET		
PVC	= FLORIDA DEPARTMENT OF TRANSPORTATION		
C.P.E.P.	= CORRUGATED POLYETHYLENE PIPE		
P.C.P.E.	= PERFORATED CORRUGATED POLYETHYLENE PIPE		
30 -	= PROPOSED CONTOUR ELEVATION AT 1' INTERVALS		
30	= PROPOSED SINGLE WATER SERVICE		
30	= PROPOSED SINGL SEWER SERVICE		
	= PROPOSED BACKFLOW PREVENTOR		
	= GATE VALVE		
	= WATER METER		
	= PROPOSED FIRE HYDRANT AND VALVE		
	= SEWER MANHOLE		
	= STORM DRAINAGE MANHOLE		
	= 12" STORM STUBOUT		
	= PROPOSED STOP ELEVATION AT "DOT"		
	= DETAIL DESIGNATION		
	YY = DETAIL NUMBER		
	XX = PAGE NUMBER		
	= ASPHALT		= DRAINAGE EASEMENT
	= CONCRETE		
	= BRICK PAVERS		
	= INFILTRATION BED		

1. CONTRACTOR IS RESPONSIBLE FOR FIELD LOCATING ALL UTILITIES PRIOR TO CONSTRUCTION.
2. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH ALL UTILITY COMPANIES AND CONTRACTORS TO ASSURE ALL UNDERGROUND UTILITIES ARE IN PLACE PRIOR TO FINAL DRESSING OF DRAINAGE SWALES.
3. CONTRACTOR IS RESPONSIBLE FOR SETTING AND ESTABLISHING THE LOCATION, ALIGNMENT, ELEVATION, AND GRADING OF THE SITE FEATURES.
4. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRS TO EXISTING STRUCTURES OR UTILITIES AS A RESULT OF PERFORMING THE WORK DESCRIBED HEREIN.
5. UNSUITABLE EXCAVATED MATERIAL DURING DEGRUBBING AND SITE CLEARING SHALL BE DISPOSED OF, OFF SITE.
6. SUITABLE EXCAVATED MATERIAL MAY BE USED ON SITE AS FILL, ONLY FOLLOWING APPROVAL BY THE ENGINEER.
7. ADDITIONAL FILL MATERIAL MUST BE APPROVED BY THE ENGINEER.
8. ALL EXCAVATIONS SHALL COMPLY WITH SECTION 120 OF THE FLORIDA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS AND MEET MINIMUM SLOPE REQUIREMENTS.
9. TEMPORARY EROSION CONTROL SHALL BE ACHIEVED BY SILT FENCING, STRAW OR HAY BALES OR TEMPORARY GRASS.
10. PAVEMENT STRIPING AND MARKINGS SHALL BE THERMOPLASTIC TAFFIC PAINT IN ACCORDANCE WITH F.D.O.T. SPECIFICATION 710.
11. CLEARING OF NATIVE VEGETATION SHALL BE LIMITED TO 25 PERCENT OF THE TOTAL AREA WITHIN THE SECONDARY WETLAND PROTECTION ZONE FOR THE PURPOSES OF MINIMAL BOARDWALKS, PUBLIC ACCESS FACILITIES &/OR LANDWARD PORTIONS OF DOCKS WHICH ARE OTHERWISE PERMITTED OR EXCEPTED WITHIN THE PRIMARY WETLAND PROTECTION ZONE.
12. PERMANENT EROSION CONTROL SHALL CONSIST OF GRASS SODDING FOR ALL DETENTION AREAS/ SWALES AND GRASS SEEDING FOR ALL OTHER DISTURBED AREAS.
13. COMPACTION OF SUBGRADE BENEATH PARKING AREAS AND BUILDING PADS SHALL BE PERFORMED USING A 10 TON VIBRATORY ROLLER WITH A MINIMUM OF TEN OVERLAPPING PASSES.
14. CONCRETE AND SOILS SHALL BE TESTED BASED ON THE FOLLOWING SCHEDULE:

MATERIAL	TEST	REQUIREMENT	FREQUENCY
CONCRETE	SUMP	4"±	EACH 50 CY/DAY
	COMPRESSIVE STRENGTH	3000 P.S.I. AT 28 DAYS	EACH 50 CY/DAY
BASE MATERIAL	DENSITY LBR	98% OF LAB MAX. 100%	1/2500 SQ. FT. PER MATERIAL CHANGE
SUBGRADE	DENSITY LBR	98% OF LAB MAX. 40	1/2500 SQ. FT. PER MATERIAL CHANGE
15. STORMWATER IS TO BE DIRECTED FROM DRIVEWAYS AND ROOF DRAINS TO ROAD GUTTER AND BASINS.
16. CONTRACTOR IS TO REMOVE SEDIMENT FROM BASINS UPON COMPLETION OF SITE WORK.
17. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND INSPECTION OF EROSION CONTROL. ADHERENCE TO NPDES PERMIT AND SWPPP DURING CONSTRUCTION IS REQUIRED.

No. = NUMBER
= NUMBER
P.S.M. = PROFESSIONAL SURVEYOR AND MAPPER
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ELEV. = ELEVATION
S.F. = SQUARE FEET
R/W = RIGHT OF WAY
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G.P. = GOVERNMENT TOWNSHIP PLAT JULY 13, 1949
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(TYP.) = TYPICAL
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⊙ = FOUND NAIL AND DISK L.B. #3724
⊗ = FOUND 1/2" CAPPED IRON ROD L.B. #3724
● = FOUND 1/2" CAPPED IRON ROD L.B. 7090
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CERTIFICATE OF
AUTHORIZATION
NUMBER 0008375

WITHOUT THE EXPRESS WRITTEN PERMISSION AND CONSENT OF ECA, INC.

REQUESTED BY: CLIFF HARBOUR

BEACHSIDE ESTATES

IN SECTION 19, TOWNSHIP 3 SOUTH, RANGE 18 WEST
OF WALTON COUNTY, FLORIDA

**GRADING AND
DRAINAGE PLAN**

[illegible]

NOT VALID WITHOUT THE
SIGNATURE AND THE
ORIGINAL RAISED SEAL
OF A FLORIDA LICENSED
PROFESSIONAL ENGINEER

Dean A. F. Burgis

DEAN A. F. BURGIS
PROFESSIONAL ENGINEER No. 5070

PROJECT:	
99-085	
SCALE: 1" = 20'	DRAWN BY: SMH
ORDER: 17-1508	DESIGN BY: SMH
DWG. DATE: 04-03-18	CHECK BY: DAFB
FILE: 99-085_ENG_000L.dwg	
SHEET	
4 of 6	

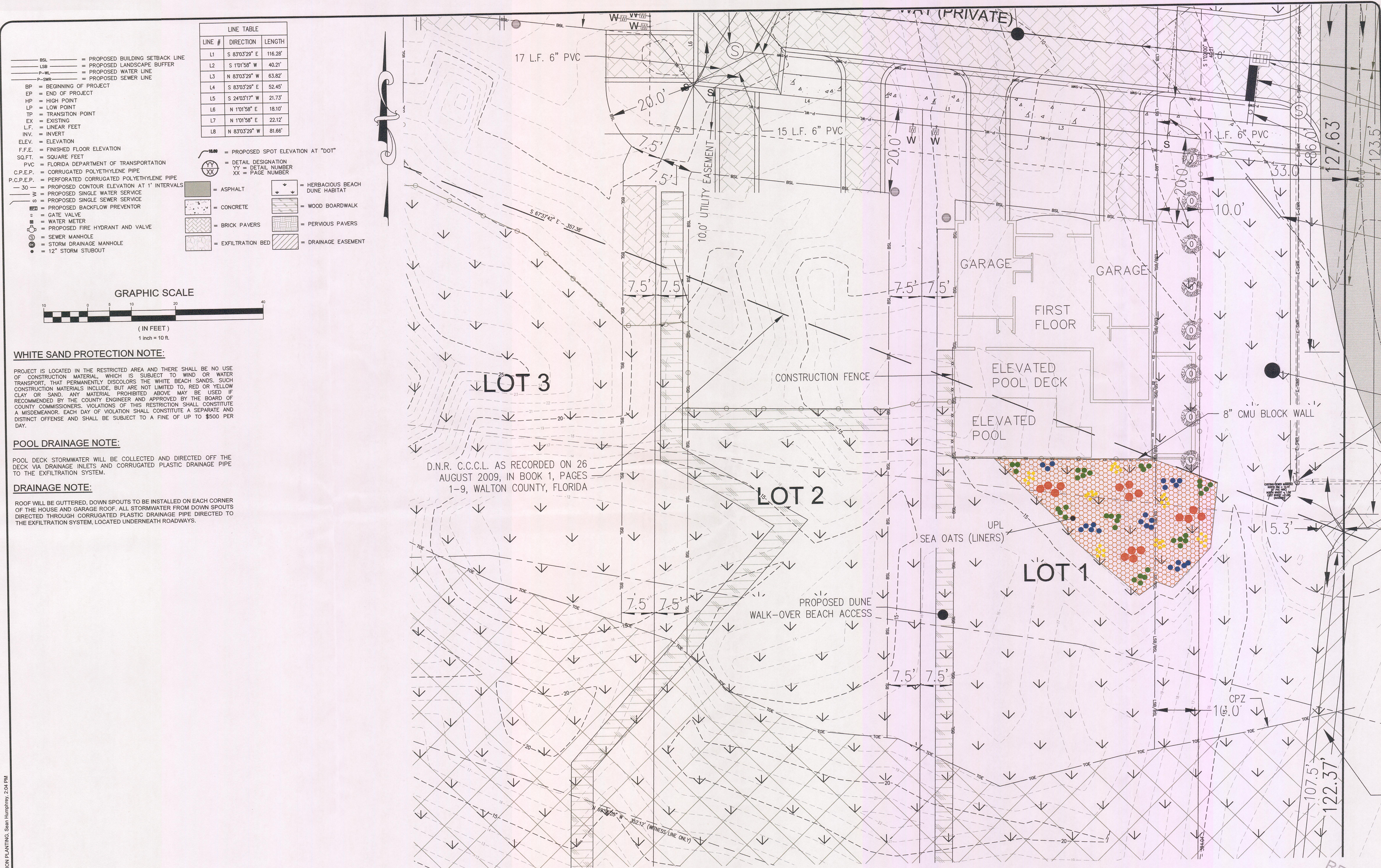
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APR 26 2018
DIVISION OF WATER
RESOURCE MANAGEMENT

SHEET
4 of 6

WL-1333

5

J:\1999\99-085\99-085.ENG_CCLL.dwg, 06-DUNE RESTORATION PLANTING, Sean Humphrey, 2:04 PM



WHITE SAND PROTECTION NOTE:

PROJECT IS LOCATED IN THE RESTRICTED AREA AND THERE SHALL BE NO USE OF CONSTRUCTION MATERIAL WHICH IS SUBJECT TO WIND OR WATER TRANSPORT THAT PERMANENTLY DISCOLORS THE WHITE BEACH SANDS. SUCH CONSTRUCTION MATERIALS INCLUDE, BUT ARE NOT LIMITED TO, RED OR YELLOW CLAY OR SAND. ANY MATERIAL PROHIBITED ABOVE MAY BE USED IF RECOMMENDED BY THE COUNTY ENGINEER AND APPROVED BY THE BOARD OF COUNTY COMMISSIONERS. VIOLATIONS OF THIS RESTRICTION SHALL CONSTITUTE A MISDEMEANOR. EACH DAY OF VIOLATION SHALL CONSTITUTE A SEPARATE AND DISTINCT OFFENSE AND SHALL BE SUBJECT TO A FINE OF UP TO \$500 PER DAY.

POOL DRAINAGE NOTE:

POOL DECK STORMWATER WILL BE COLLECTED AND DIRECTED OFF THE DECK VIA DRAINAGE INLETS AND CORRUGATED PLASTIC DRAINAGE PIPE TO THE EXFILTRATION SYSTEM.

DRAINAGE NOTE:

ROOF WILL BE GUTTERED, DOWN SPOUTS TO BE INSTALLED ON EACH CORNER OF THE HOUSE AND GARAGE ROOF. ALL STORMWATER FROM DOWN SPOUTS DIRECTED THROUGH CORRUGATED PLASTIC DRAINAGE PIPE DIRECTED TO THE EXFILTRATION SYSTEM, LOCATED UNDERNEATH ROADWAYS.

DUNE RESTORATION PLANTING SCHEDULE:

40	IMG	IPOMOEA IMPERATI	BEACH MORNING GLORY
23	IPR	IPOMOEA PES-CAPREA	RAILROAD VINE
42	UP1	UNIOLA PANICULATA	SEA OATS
16	UP3	UNIOLA PANICULATA	SEA OATS

FULL GALLONS @ 15" TO 24" OC - CONTRACTOR SHALL PLANT AT RANDOM NATURAL SPACING.
FULL GALLONS @ 15" TO 24" OC - CONTRACTOR SHALL PLANT AT RANDOM NATURAL SPACING.
LINERS @ 15" TO 24" OC - CONTRACTOR SHALL PLANT AT RANDOM NATURAL SPACING.
FULL GALLONS @ 15" TO 24" OC - CONTRACTOR SHALL PLANT AT RANDOM NATURAL SPACING.
3 GALLONS 18" TO 24" OC - CONTRACTOR SHALL PLANT AT RANDOM NATURAL SPACING.

LEGEND:

UPL - SEA OATS (LINERS)
965 SQ.FT.

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Emerald Coast Associates Inc.
Land Planning • Engineering • Surveying
Since 1979
327 South Co. Hwy 393
Santa Rosa Beach, FLORIDA 32459
PH: (850) 267-0473 • FAX: (850) 267-0973

REQUESTED BY: CLIFF HARBOUR

BEACHSIDE ESTATES
IN SECTION 19, TOWNSHIP 3 SOUTH, RANGE 18 WEST
OF WALTON COUNTY, FLORIDA

**DUNE RESTORATION
PLANTING**

DRAWN BY	REVISION
DATE	

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED PROFESSIONAL ENGINEER

Dean A. F. Burgis

DEAN A. F. BURGIS
PROFESSIONAL ENGINEER No. 50705

PROJECT: **99-085**

SCALE: 1" = 10'
ORDER: 17-1508
DWG. DATE: 04-03-18
FILE: 99-085_DWG_CCLL.dwg

DRAWN BY: SMH
DESIGN BY: SMH
CHECK BY: DAFB

RECEIVED
APR 26 2018
DIVISION OF WATER
RESOURCE MANAGEMENT

WL-1333

**SHEET
6 of 6**

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