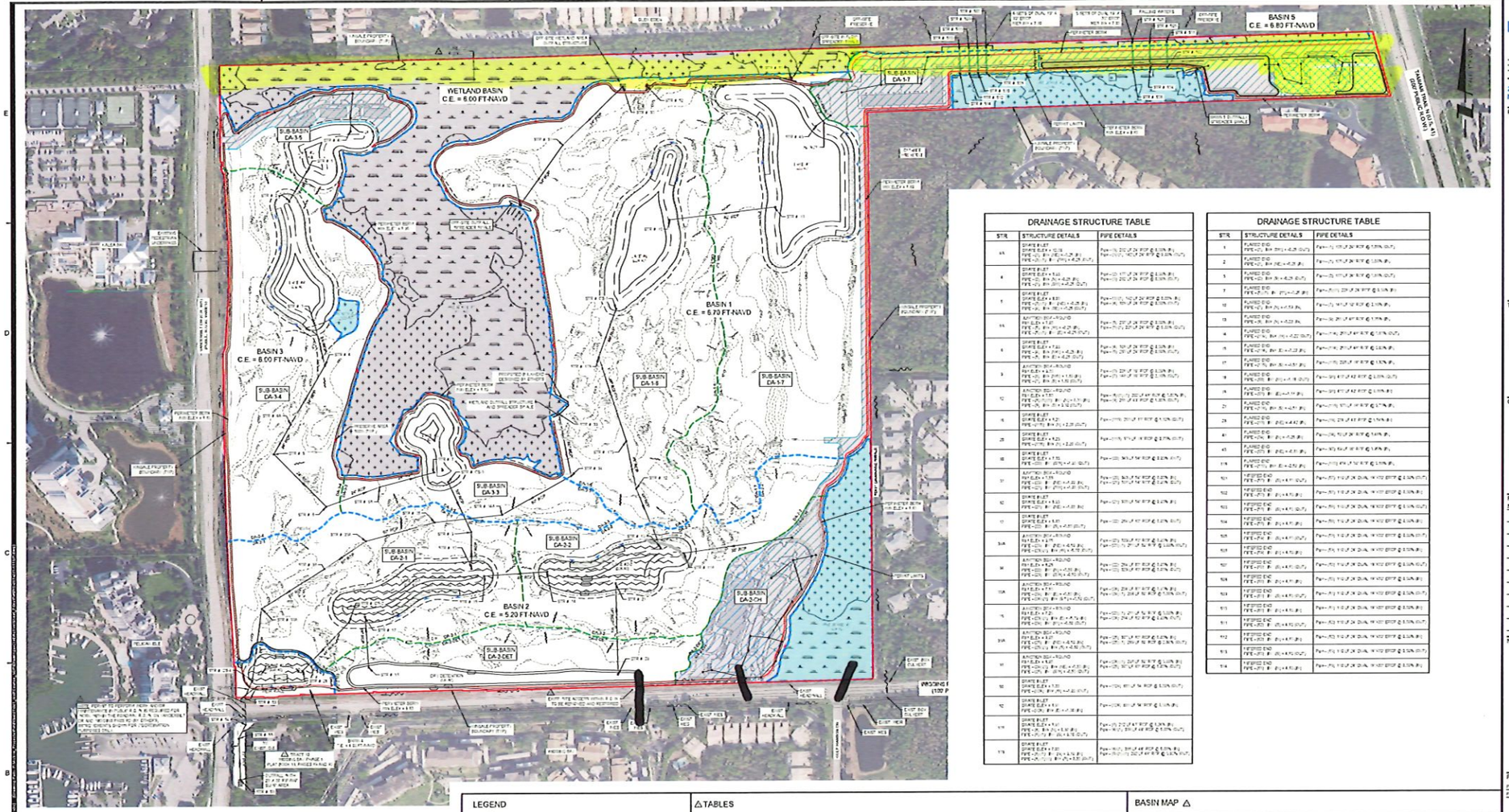
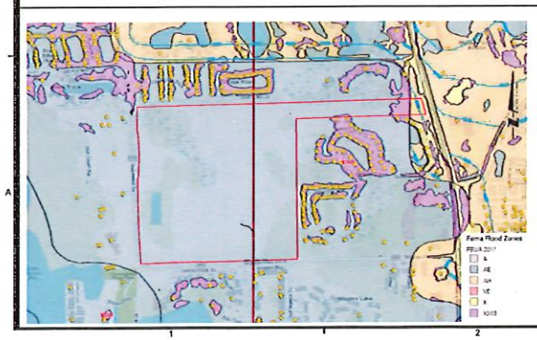


DRAINAGE STRUCTURE TABLE		
STR	STRUCTURE DETAILS	PIPE DETAILS
1A	[illegible]	[illegible]
4	[illegible]	[illegible]
7	[illegible]	[illegible]
11A	[illegible]	[illegible]
6	[illegible]	[illegible]
3	[illegible]	[illegible]
12	[illegible]	[illegible]
15	[illegible]	[illegible]
25	[illegible]	[illegible]
40	[illegible]	[illegible]
45	[illegible]	[illegible]
11B	[illegible]	[illegible]
10	[illegible]	[illegible]
10A	[illegible]	[illegible]
10B	[illegible]	[illegible]
11	[illegible]	[illegible]
11A	[illegible]	[illegible]
11B	[illegible]	[illegible]
12	[illegible]	[illegible]
13	[illegible]	[illegible]
13A	[illegible]	[illegible]
13B	[illegible]	[illegible]

DRAINAGE STRUCTURE TABLE		
STR	STRUCTURE DETAILS	PIPE DETAILS
1	[illegible]	[illegible]
2	[illegible]	[illegible]
3	[illegible]	[illegible]
7	[illegible]	[illegible]
10	[illegible]	[illegible]
13	[illegible]	[illegible]
14	[illegible]	[illegible]
15	[illegible]	[illegible]
17	[illegible]	[illegible]
19	[illegible]	[illegible]
21	[illegible]	[illegible]
23	[illegible]	[illegible]
41	[illegible]	[illegible]
43	[illegible]	[illegible]
11A	[illegible]	[illegible]
10A	[illegible]	[illegible]
10B	[illegible]	[illegible]
10C	[illegible]	[illegible]
10D	[illegible]	[illegible]
10E	[illegible]	[illegible]
10F	[illegible]	[illegible]
10G	[illegible]	[illegible]
11	[illegible]	[illegible]
11A	[illegible]	[illegible]
11B	[illegible]	[illegible]
11C	[illegible]	[illegible]
11D	[illegible]	[illegible]
11E	[illegible]	[illegible]
11F	[illegible]	[illegible]
11G	[illegible]	[illegible]
11H	[illegible]	[illegible]
11I	[illegible]	[illegible]
11J	[illegible]	[illegible]
11K	[illegible]	[illegible]
11L	[illegible]	[illegible]
11M	[illegible]	[illegible]
11N	[illegible]	[illegible]
11O	[illegible]	[illegible]
11P	[illegible]	[illegible]
11Q	[illegible]	[illegible]
11R	[illegible]	[illegible]
11S	[illegible]	[illegible]
11T	[illegible]	[illegible]

FEMA DESIGNATION ZONES MAP



LEGEND

- NATIVE UPLAND VEGETATION PRESERVE REFER TO ENVIRONMENTAL SUPPLEMENT FOR REQUIREMENTS
- NATIVE WETLAND VEGETATION PRESERVE REFER TO ENVIRONMENTAL SUPPLEMENT FOR REQUIREMENTS
- WETLAND BASIN (FLOW MAY PRESERVE FOR DRAINAGE FLOWS FROM THE NORTH)
- PRESERVE AREAS EXCLUDED FROM WATER MANAGEMENT (NOT INCLUDED IN TOTAL OF DRAINAGE AREA)
- AREAS PERMITTED UNDER PL20230002912
- FUTURE DEVELOPMENT PERMITTED UNDER SEPARATE COVER
- LAKE LITTORAL AREAS (LSPA)
- LAKE AT CONTROL ELEVATION
- PRESERVE SIGN LOCATION
- LITTORAL SIGN LOCATION

△TABLES

LAND USE SUMMARY

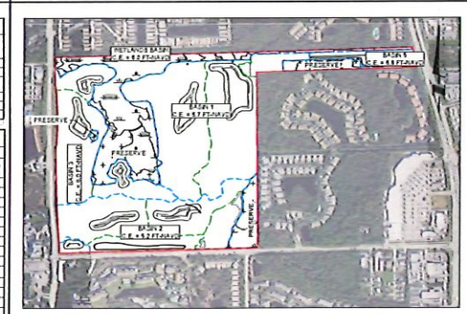
	DA-1 (ACRES)	DA-2 (ACRES)	DA-3 (ACRES)	DA-4 (ACRES)	DA-5 (ACRES)	OFF-SITE (ACRES)	TOTAL (ACRES)
BUILDING	0.42	0.49	0.28	0.00	4.53	0.00	5.72
PAVEMENT	1.44	2.24	0.64	0.00	0.00	8.74	13.06
NATURAL WET CONSERVATION AREA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LAKE	6.47	4.12	4.50	0.60	0.00	0.00	17.43
PERVIOUS	47.78	31.20	24.37	0.91	1.07	8.74	114.07
SUB-TOTAL	56.11	38.05	29.59	1.51	5.60	17.48	150.34

WATER MANAGEMENT SUMMARY

WATER MANAGEMENT PARAMETER	DRAINAGE AREAS					
	DA-1	DA-2	DA-3	DA-4	DA-5	DA-WETLANDS*
CONTROL ELEVATION (FT-NAVD)	5.7	5.2	5.0	4.0	6.5	6.0
RAINFALLS PER SFWMD AH VOL II APPENDIX C - ISOHETAL MAPS						
5-YEAR, 3-DAY RAINFALL (INCHES)	7.7					
10-YEAR, 3-DAY RAINFALL (INCHES)	8.9					
25-YEAR, 3-DAY RAINFALL (INCHES)	11.3					
100-YEAR, 3-DAY RAINFALL (INCHES)	14.0					
PEAK 5-YEAR, 3-DAY STORM STAGE (FT-NAVD)*	N/A	N/A	N/A	N/A	N/A	8.5
PEAK 10-YEAR, 3-DAY STORM STAGE (FT-NAVD)	8.4	7.7	7.7	7.5	8.9	N/A
PEAK 25-YEAR, 3-DAY STORM STAGE (FT-NAVD)	8.6	8.4	8.5	8.1	9.3	7.7
PEAK 100-YEAR, 3-DAY ZERO DISCHARGE STORM STAGE (FT-NAVD)	9.1	9.0	9.0	9.0	9.8	N/A
MINIMUM REQUIRED PARKING LOT ELEVATION (FT-NAVD)	8.5	7.8	7.8	7.5	9.0	N/A
MINIMUM REQUIRED ROAD ELEVATION (FT-NAVD)	8.6	8.4	8.5	8.1	9.3	N/A
MINIMUM PERIMETER BERM ELEVATION 25-YEAR, 3-DAY PEAK STAGE (FT-NAVD)	8.6	8.5	8.6	8.5	9.4	8.5
FEMA ELEVATION (FT-NAVD)	9.0 / AE				9.5 / AE	9.0 / AE
MINIMUM REQUIRED FINISHED FLOOR ELEVATION (FT-NAVD)	10.0	10.0	10.0	N/A	10.5	N/A

*FLOW MAY PRESERVE FOR DRAINAGE FLOWS FROM THE NORTH
*WETLAND BASIN (WHICH IS NOT SHARE DEL AREA)

BASIN MAP △



PENINSULA ENGINEERING

• CIVIL ENGINEERING • PLANNING AND ZONING • ENVIRONMENTAL SERVICES • LANDSCAPE ARCHITECTURE • SURVEYING • LAND DEVELOPMENT

2600 Golden Gate Pkwy
Naples, FL 34105
239.403.6700
Pen-Eng.com

PROJECT

KINSALE GOLF CLUB

TITLE

MASTER PAVING AND DRAINAGE PLAN

CLIENT

LODGE/ABOTT INVESTMENTS ASSOICATES, LLC

REVISIONS

No	Revision	Date
1	REVISED PER SFWMD PERMITTED COMMENTS	8/2/2023
2	REVISED PER COLLIER COUNTY SDPA PRE-APPLICATION MEETING COMMENTS	07/14/23

NOTES

PROFESSIONAL SEALS

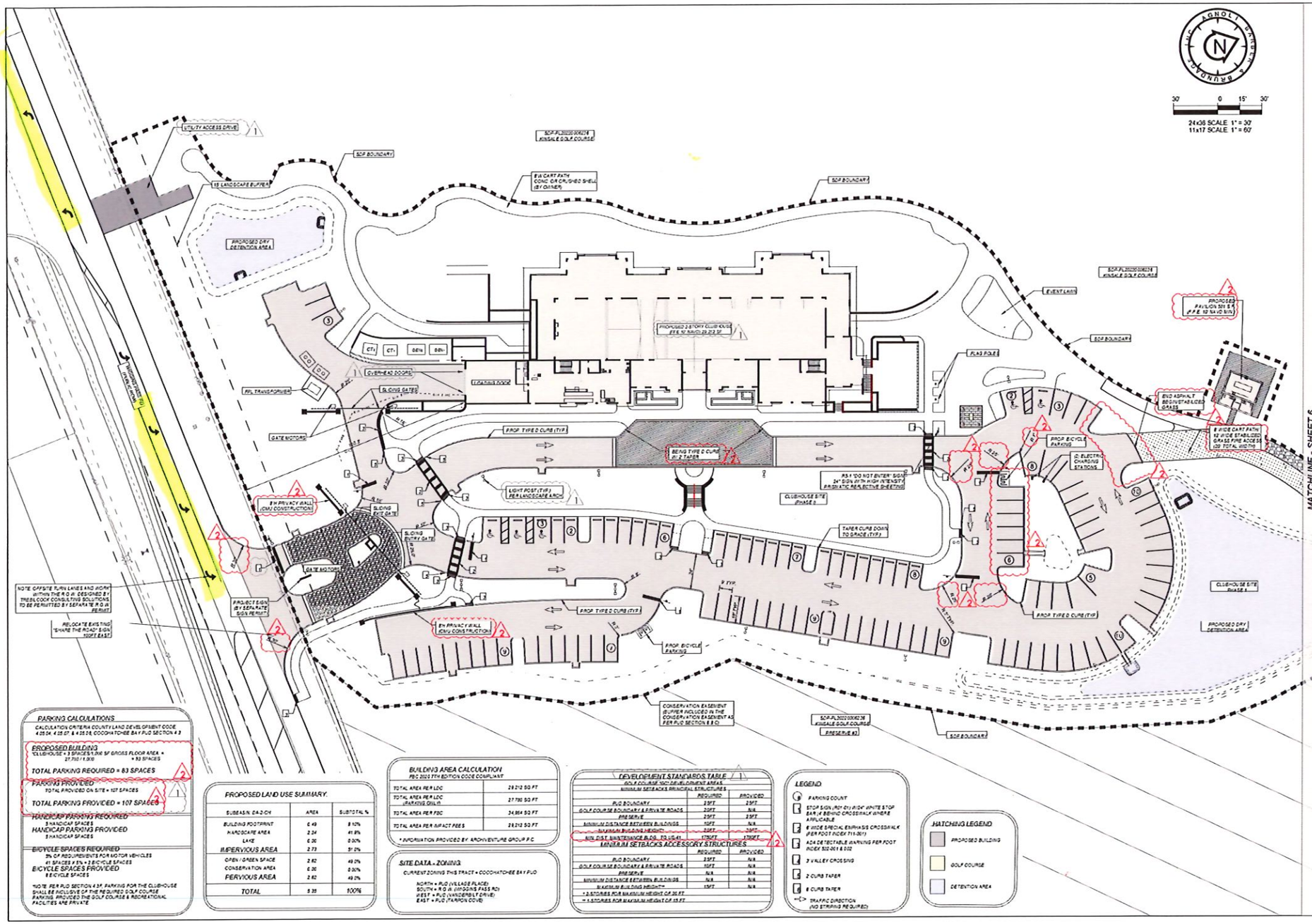
PROFESSIONAL ENGINEER: JENNA A WOODWARD
FLORIDA LICENSE NUMBER: 84212

Florida Engineering Certificate of Authorization #26075
Florida Landscape Architecture Certificate of Authorization #LC-26000512

DATUM NOTE
ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM OF 1988)

Bar Scale: 1" = 200'

SEC 16	TWP. 48S	RGE. 25E	
City NAPLES	County	COLLIER	
Designed by		JOANNA PIDGEON	
Drawn by		A. SPAGNOLA	
Date		7/2024	
Horizontal Scale		1" = 200'	
Vertical Scale		N.T.S.	
Project Number		P-KINS-001-001	
File Name		P-KINS-001-001-111GP.dwg	
Sheet ID		C-111	
Sheet Number		07 of 17	



PARKING CALCULATIONS

CALCULATION CRITERIA COUNTY LAND DEVELOPMENT CODE 4.05.04, 4.05.07 & 4.05.08, COCOHATCHEE BAY PUD SECTION 4.3

PROPOSED BUILDING
"CLUBHOUSE" = 3 SPACES/1,000 SF GROSS FLOOR AREA = 27,750 / 1,000 = 83 SPACES

TOTAL PARKING REQUIRED = 83 SPACES

PARKING PROVIDED
TOTAL PROVIDED ON SITE = 107 SPACES

TOTAL PARKING PROVIDED = 107 SPACES

HANDICAP PARKING REQUIRED
5 HANDICAP SPACES

HANDICAP PARKING PROVIDED
5 HANDICAP SPACES

BICYCLE SPACES REQUIRED
3% OF REQUIREMENTS FOR MOTOR VEHICLES
41 SPACES X 3% = 3 BICYCLE SPACES

BICYCLE SPACES PROVIDED
8 BICYCLE SPACES

*NOTE: PER PUD SECTION 4.3F, PARKING FOR THE CLUBHOUSE SHALL BE INCLUSIVE OF THE REQUIRED GOLF COURSE PARKING. PROVIDED THE GOLF COURSE & RECREATIONAL FACILITIES ARE PRIVATE

PROPOSED LAND USE SUMMARY

SUBEASIN DA-2-CH	AREA	SUBTOTAL %
BUILDING FOOTPRINT	0.49	8.10%
HARDSCAPE AREA	2.34	41.8%
LAKE	0.35	0.00%
IMPERVIOUS AREA	2.73	51.0%
OPEN / GREEN SPACE	2.82	49.0%
CONSERVATION AREA	0.00	0.00%
PERVIOUS AREA	2.82	49.0%
TOTAL	5.55	100%

BUILDING AREA CALCULATION

PBC 2020 7TH EDITION CODE COMPLIANT

TOTAL AREA PER LDC	29,212 SQ FT
TOTAL AREA PER LDC (PARKING CALC)	27,750 SQ FT
TOTAL AREA PER FBC	34,984 SQ FT
TOTAL AREA PER IMPACT FEES	29,212 SQ FT

* INFORMATION PROVIDED BY: ARCHIVENTURE GROUP P.C.

SITE DATA - ZONING

CURRENT ZONING THIS TRACT = COCOHATCHEE BAY PUD

NORTH = PUD (VILLAGE PLACE)
SOUTH = R.O.W. (WIGGINS PASS RD)
WEST = PUD (VANDERBILT DRIVE)
EAST = PUD (TARPON COVE)

DEVELOPMENT STANDARDS TABLE

GOLF COURSE 100-DEVELOPMENT AREA

MINIMUM SETBACKS PRINCIPAL STRUCTURES

	REQUIRED	PROVIDED
PUD BOUNDARY	25FT	25FT
GOLF COURSE BOUNDARY & PRIVATE ROADS	20FT	N/A
PRESERVE	25FT	25FT
MINIMUM DISTANCE BETWEEN BUILDINGS	10FT	N/A
MAXIMUM BUILDING HEIGHT**	35FT	35FT
NON DIST. MAINTENANCE BLDG. TO LEAD	175FT	175FT

MINIMUM SETBACKS ACCESSORY STRUCTURES

	REQUIRED	PROVIDED
PUD BOUNDARY	25FT	N/A
GOLF COURSE BOUNDARY & PRIVATE ROADS	10FT	N/A
PRESERVE	N/A	N/A
MINIMUM DISTANCE BETWEEN BUILDINGS	N/A	N/A
MAXIMUM BUILDING HEIGHT**	15FT	N/A

* 2 STORIES FOR MAXIMUM HEIGHT OF 35 FT.
** 1 STORIES FOR MAXIMUM HEIGHT OF 15 FT.

LEGEND

- PARKING COUNT
- STOP SIGN (R01-01) HIGH WHITE STOP BAR 18' BEHIND CROSSWALK WHERE APPLICABLE
- 6' WIDE SPECIAL EMPHASIS CROSSWALK (PER FDOT INDEX 711-001)
- ADA DETECTABLE WARNING PER FDOT INDEX 522-001 & 522
- 3' VALLEY CROSSING
- 2' CURB TAPER
- 6' CURB TAPER
- TRAFFIC DIRECTION (NO STRIPING REQUIRED)

HATCHING LEGEND

- PROPOSED BUILDING
- GOLF COURSE
- DETENTION AREA

AGNOLI, BARBER & BRUNDAGE, INC.
Professional Engineers, Planners
Surveyors & Landscape Architects
Certificate of Authorization No.
LB 3584 EB 3584 LA 6673000
Cape Coral
7400 Fort Myers Blvd. Suite 202 Naples, FL 34109
Phone 239.597.3117
Fax 239.597.5131

CLIENT NAME:
LODGE ABBOTT INVESTMENTS ASSOCIATION, LLC
13966 OLD COAST ROAD
NAPLES, FL 34110

PROJECT NAME:
KINSALE GOLF COURSE CLUBHOUSE, MAINTENANCE AND GOLF TRAINING

DRAWING TITLE:
SITE - 1

DESIGNED BY: ASB
DRAWN BY: MB
CHECKED BY: AGC
REVIEWED BY: JAC
HOR. SCALE: 1" = XXX'
VERT SCALE: 1" = XXX'
DATE: February 2024
DATUM: NAVD

NO.	DATE	REVISIONS
1	02-26-24	PER PLANNING REVIEW
2	03-25-24	PER PLANNING REVIEW

ACAD FILE NAME:
13288 - ME

ABB PROJECT #
22-0135

PLOT VIEW \ LAYOUT
SITE - 1

SHEET 5 OF 34

ACAD FILE #
13288

PL20170004271 — PL20230000921D