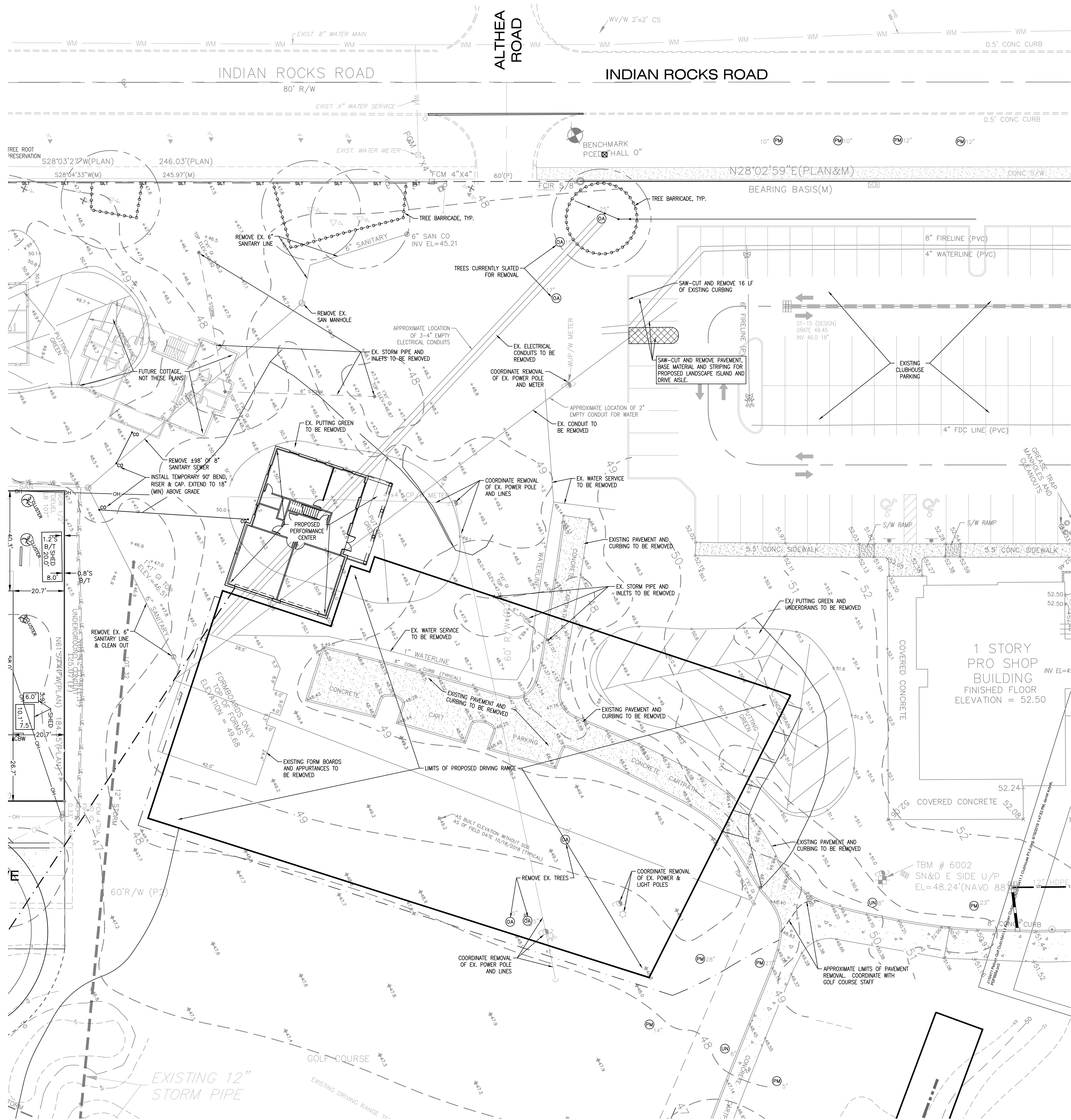




NOTE:
1. EXISTING CONDITIONS MAY NOT REFLECT MOST RECENT GOLF COURSE CONSTRUCTION.

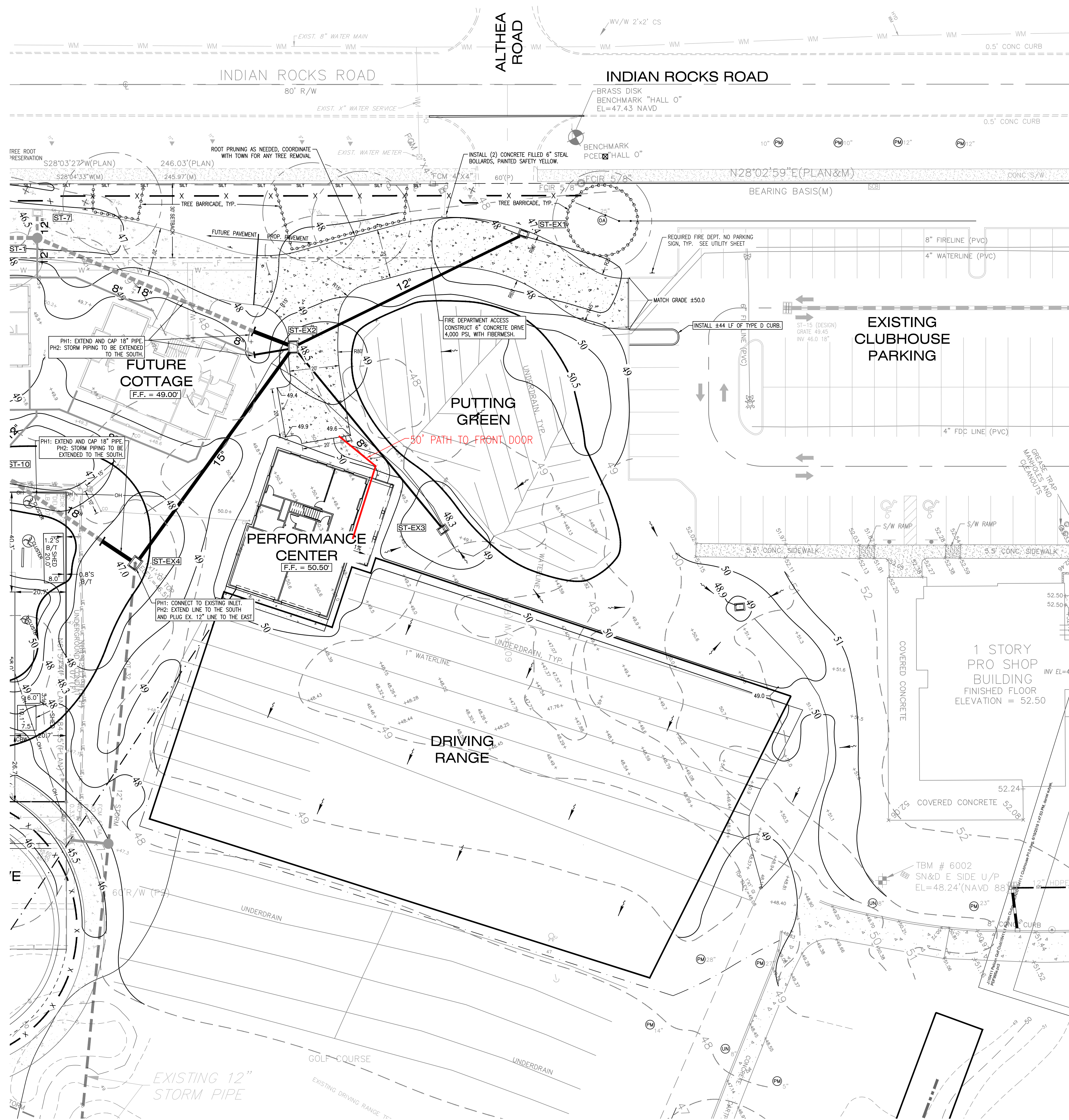
PELICAN GOLF CLUB
"PERFORMANCE CENTER"
HARROD PROPERTIES, INC.
5550 WEST EXECUTIVE DRIVE - 550
TAMPA, FLORIDA 33609

AUTORA
CIVIL ENGINEERING, INC.
610 E. Morgan Street Brandon, FL 33510 (813)843-9907

Chris Weddle
Professional Engineer
No. 2346
State of Florida
Exp. 12/31/2021

Chris Weddle
Professional Engineer
No. 2346
State of Florida
Exp. 12/31/2021

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NOTES:

- THE SOIL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED PRIOR TO CONSTRUCTION, AND MAINTAINED UNTIL CONSTRUCTION ENDS AND THE SITE IS PERMANENTLY STABILIZED.
- PRIOR TO CONSTRUCTION, BUILDING PERMITS SHALL BE OBTAINED FOR ALL STRUCTURES THAT HAVE A FOOTER, REGARDLESS OF SIZE, THROUGH THE TOWN OF BELLEAIR (INCLUDING BUT NOT LIMITED TO BUILDINGS, ACCESSORIES, AND RETAINING WALLS).
- IT IS THE RESPONSIBILITY OF THE OWNER TO INSPECT AND MAINTAIN THE WATER RETENTION SYSTEM ON A REGULAR BASIS.
- ALL SODDED SLOPES OVER 4:1 SHALL BE INSTALLED WITH SOD PEGS.
- ALL DEMOLITION DEBRIS SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED.
- ELEVATIONS SHOWN ARE FRONT OF CURB UNLESS OTHERWISE INDICATED.
- TOP OF CURB ELEVATIONS ARE 6" AND SIDEWALK ELEVATIONS ARE BETWEEN 4" TO 6" ABOVE THE ADJACENT PAVEMENT ELEVATION UNLESS OTHERWISE INDICATED.
- CURBS AND SIDEWALKS SHALL BE SLOPED TO MATCH GRADES AT ADA RAMP ELEVATIONS. SIDEWALK SLOPES SHALL ADHERE TO ADA REQUIREMENTS.
- DURING LAND ALTERATION AND CONSTRUCTION ACTIVITIES, IT SHALL BE UNLAWFUL TO REMOVE VEGETATION BY GRUBBING OR TO PLACE SOIL DEPOSITS, DEBRIS, SOLVENTS, CONSTRUCTION MATERIAL, MACHINERY OR OTHER EQUIPMENT OF ANY KIND WITHIN THE DRIPLINE OF A TREE TO REMAIN ON THE SITE UNLESS OTHERWISE APPROVED BY THE HILLSBOROUGH COUNTY.
- ANY AREAS SUBJECT TO EROSION MUST BE ADEQUATELY STABILIZED WITH VEGETATIVE MATERIAL THAT WILL, WITHIN A REASONABLE TIME FRAME, DETER SOIL DISTURBANCE. SODDING, PLUGGING, SPRIGGING OR SEEDING IS ACCEPTABLE FOR STABILIZATION; HOWEVER, SODDING MAY BE REQUIRED IN AREAS OF EROSION-PRONE SOILS OR WHERE SLOPES ARE GREATER THAN 5:1. VEGETATION OTHER THAN GRASS IS ACCEPTABLE UNLESS OTHERWISE SPECIFIED.
- DISTURBED AREAS WITHIN 10 FT OF ANY WATERWAY OR OTHER SURFACE WATER SHALL BE STABILIZED AND SODDED.
- UTILIZE SUITABLE SOILS FROM EXISTING STOCKPILE FOR FILL AND FINISH GRADING.
- PROPOSED ELEVATIONS SHOWN ARE PAVEMENT ELEVATION UNLESS OTHERWISE NOTED.
- EXISTING ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). BASE B.M. NATIONAL GEODETIC SURVEY B.M. #AG8613, EL.= 38.86 N.A.V.D. 88.

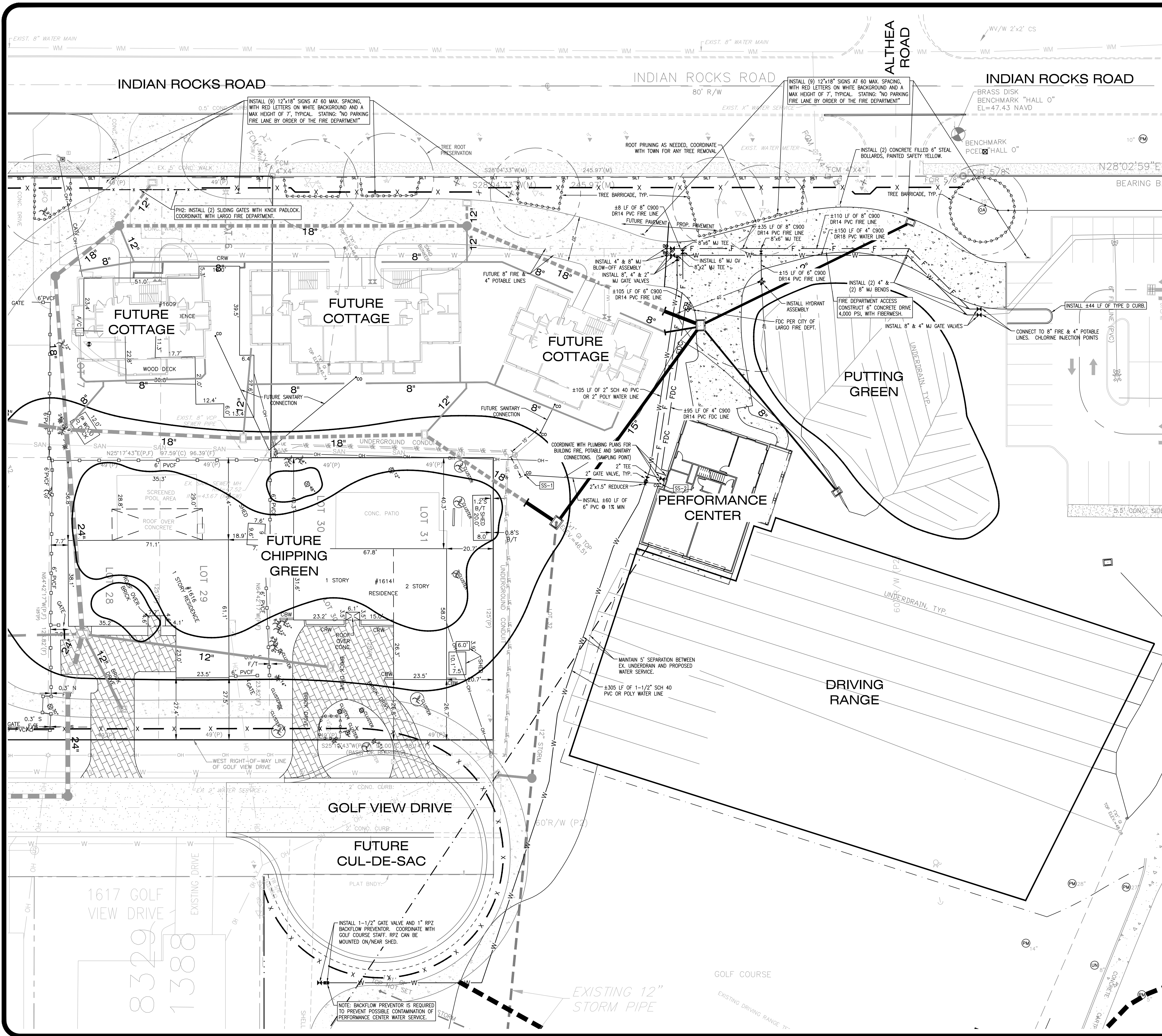
SITE AND
GRADING PLAN

PELICAN GOLF CLUB
"PERFORMANCE CENTER"
HARROD PROPERTIES, INC.
5550 WEST EXECUTIVE DRIVE - 550
TAMPA, FLORIDA 33609

AUTORA
CIVIL ENGINEERING, INC.
610 E. Morgan Street
Brandon, FL 33510 (813)843-9907

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FIRE PROTECTION NOTES:

1. NFPA 14: 6.4.1 A LISTED CHECK VALVE SHALL BE INSTALLED IN EACH FIRE DEPARTMENT CONNECTION. THE CHECK VALVE FOR THE FDC LINE SHALL BE PLACED JUST UNDER THE FDC CONNECTION. THIS ENABLES THE UNDERGROUND FDC LINE TO BE WET INSTEAD OF A DRY LINE.
2. FIRE DEPARTMENT CONNECTIONS SHALL BE IDENTIFIED BY A SIGN THAT STATES "NO PARKING, FIRE DEPARTMENT CONNECTION" AND SHALL BE DESIGNED IN ACCORDANCE WITH FDOT STANDARDS FOR INFORMATION SIGNAGE WHERE SUBJECT TO VEHICLE PARKING, NFPA 1:18.3.4.3.
3. NFPA 24: 6.4.6 FIRE DEPARTMENT CONNECTIONS SHALL BE LOCATED NOT LESS THAN 18 IN. (457 MM) NOR MORE THAN 48 IN. (1219 MM) ABOVE THE LEVEL OF THE ADJOINING GROUND, SIDEWALK, OR GRADE SURFACE.
4. ALL FIRE LINES TO BE C900 DR14.
5. ALL JOINTS TO BE RESTRAINED.
6. ALL FIRE LINES SHALL HAVE A MINIMUM OF 36" OF COVER.

POTABLE WATER LINE NOTES:

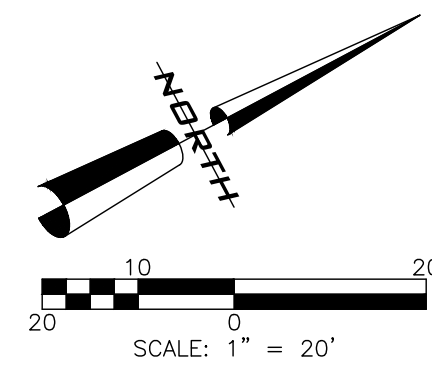
1. 4" POTABLE WATER LINES SHALL BE DR-18 C900 PVC.
2. POTABLE WATER LINES LESS THAN 4" SHALL BE SCHEDULE 40 PVC.
3. ALL WATER LINES SHALL HAVE A MINIMUM OF 36" OF COVER.

UTILITY NOTES:

1. PURSUANT TO FAC 62-555.340, AND AWWA STD C600, POTABLE WATER PIPE MUST BE DISINFECTED, AND BACTERIOLOGICAL SAMPLES WITH CHLORINE CONCENTRATION READING MUST BE COLLECTED TWO CONSECUTIVE DAYS AT LEAST 6 HOURS APART FROM OTHER SAMPLES DURING THE TIME OF CLEARANCE AT THE CONNECTION POINT TO THE EXISTING MAIN AND AT THE PROPOSED METER.
2. SINGLE SERVICE SEWER LATERALS FROM BUILDING TO THE PROPOSED 8" GRAVITY LINES AND FORCE MAINS SHALL BE PVC GREEN. PVC FM SHALL BE C900 DR18.
3. ALL GRAVITY LINES AND FORCE MAINS SHALL BE PVC GREEN. PVC FM SHALL BE C900 DR18.
4. ALL NON-METALLIC PIPE WILL BE INSTALLED WITH 2 PAIR, 10 GAUGE, COPPER TRACER WIRE.
5. ALL ELEVATIONS REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
6. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ENGINEER AS-BUILT LOCATIONS OFF ALL INSTALLED UTILITIES. AS-BUILT'S SHALL BE PERFORMED BY SURVEY AND TIED TO CURRENT DRAWINGS.

SS-1 CLEAN-OUT
CAP EL = MATCH EX. GRD
INV EL = MATCH EX. PIPE INV (6")

SS-2 CLEAN-OUT
CAP EL = 50.3
INV EL = 47.5 (6")



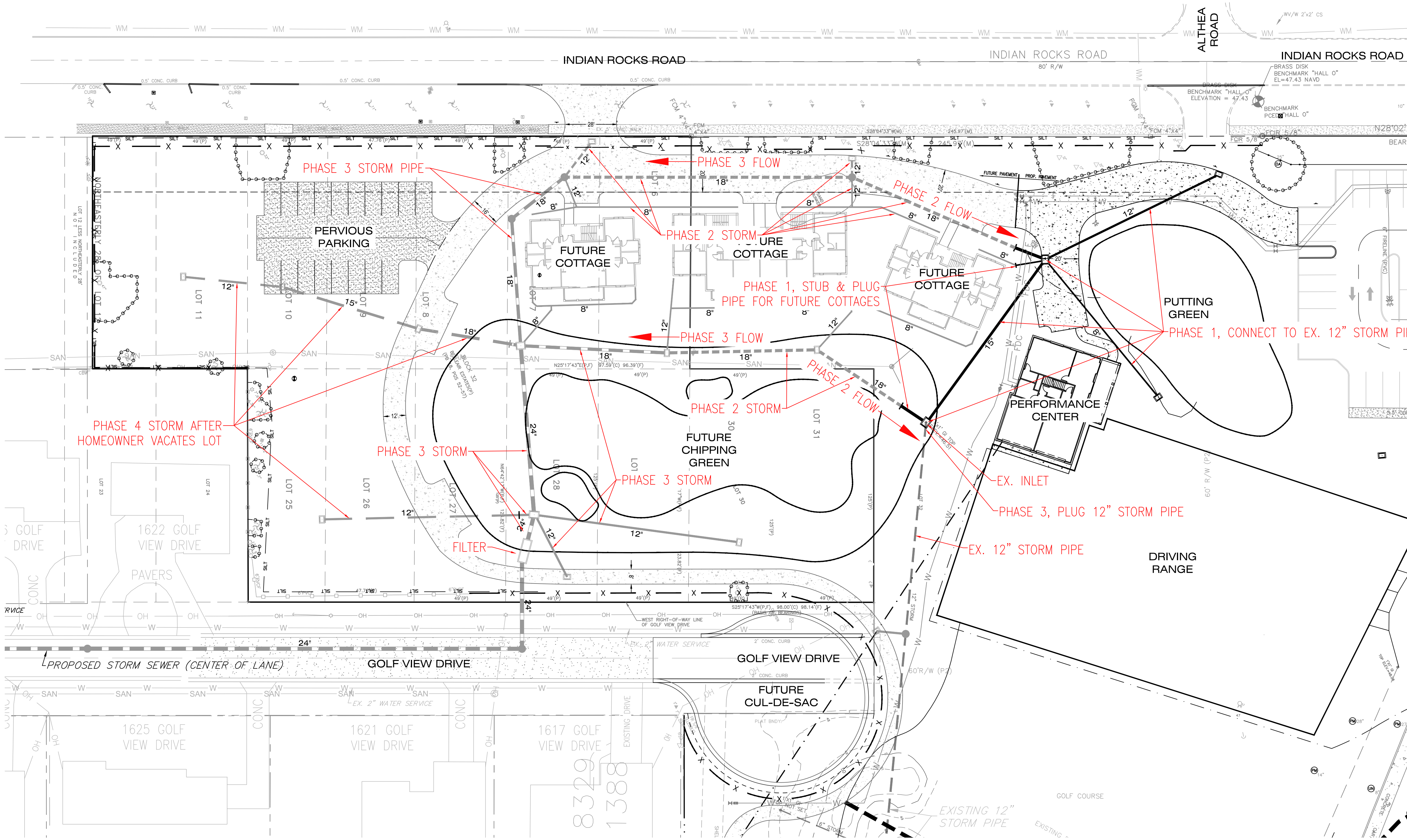
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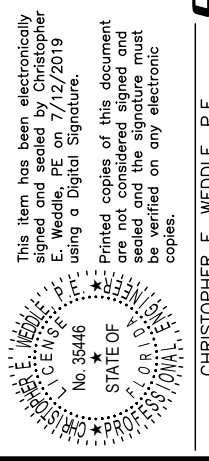
UTILITY PLAN

PELICAN GOLF CLUB
"PERFORMANCE CENTER"
HARROD PROPERTIES, INC. - 550
5550 WEST EXECUTIVE DRIVE -
TAMPA, FLORIDA 33609

AUTORA
CIVIL ENGINEERING, INC.
610 E. Morgan Street Brandon, FL 33510 (813) 843-9907
CREATED BY: MICHAEL KNIGHT
CHECKED BY: CHRIS WEDDLE
DATE: 7-12-2019
SCALE: 1" = 20'

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CIVIL ENGINEERING, INC.

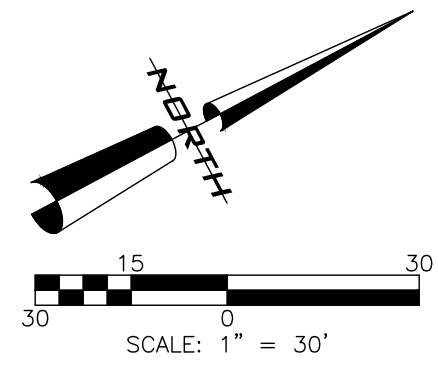
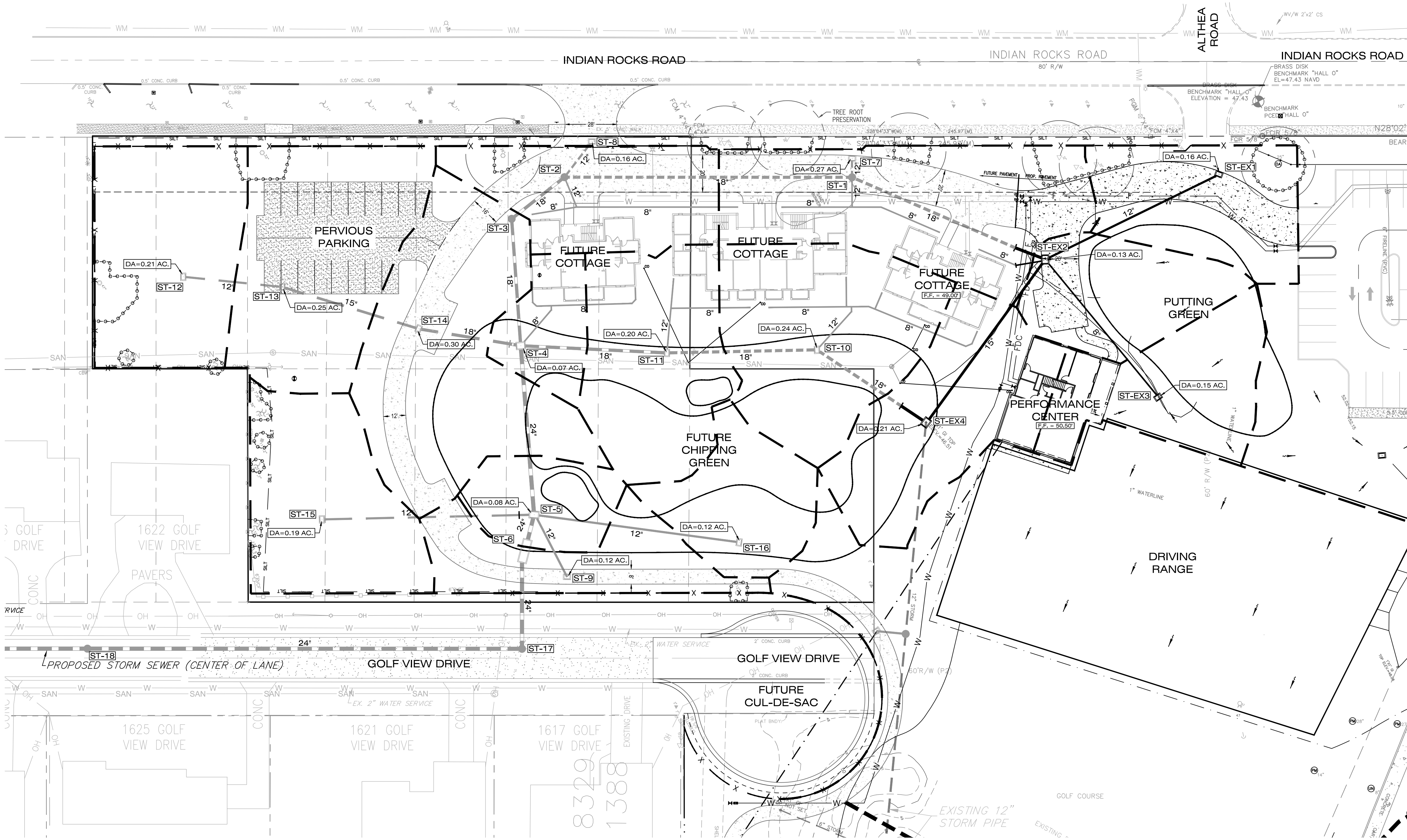
610 E. Morgan Street
Brandon, FL 33510 (813) 843-9907

PELICAN GOLF CLUB
"PERFORMANCE CENTER"
HARROD PROPERTIES, INC. - 550
5550 WEST EXECUTIVE DRIVE - 550
TAMPA, FLORIDA 33609

DRAINAGE
PHASING PLAN

REVISIONS		NO.	BY	DATE	DESCRIPTION
1	1	1	KNIGHT	7/12/2019	ISSUED FOR PERMIT
2	1	1	KNIGHT	7/12/2019	ISSUED FOR PERMIT
3	1	1	KNIGHT	7/12/2019	ISSUED FOR PERMIT
4	1	1	KNIGHT	7/12/2019	ISSUED FOR PERMIT
5	1	1	KNIGHT	7/12/2019	ISSUED FOR PERMIT
DESIGNED BY		CHAS. WEDDLE		DATE: 8-2019	
CHECKED BY		CHAS. WEDDLE		JOB NO.: 18-174	

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STORM STRUCTURES

- ST-EX1
TYPE C INLET
GRATE EL 47.40
INV EL 43.8 (12") S

ST-EX2
TYPE D INLET
GRATE EL 48.50
INV EL 43.3 (12") N
INV EL 44.1 (8") E
INV EL 43.6 (8") S "ROOF"
INV EL 43.1 (15") SE
INV EL 42.8 (18") SW

ST-EX3
TYPE C INLET
GRATE EL 48.30
INV EL 44.6 (8") W

ST-EX4
TYPE D INLET
GRATE EL 47.00
INV EL 42.9 (15") NW
INV EL XX.X (12") SE (EX.)
INV EL 42.2 (18") SW
* 12" TO BE PLUGGED

ST-1
TYPE P MANHOLE
RIM EL 46.80
INV EL 43.0 (12") NW
INV EL 43.0 (12") SE "ROOF"
INV EL 42.5 (18") NE
INV EL 42.5 (18") SW

ST-2
TYPE P MANHOLE
RIM EL 47.00
INV EL 42.5 (12") NW
INV EL 42.5 (12") E "ROOF"
INV EL 42.0 (18") NE
INV EL 42.0 (18") SE

ST-3
TYPE P MANHOLE
RIM EL 48.3
INV EL 41.9 (18") NW
INV EL 41.9 (18") E

ST-4
TYPE D INLET
GRATE EL 46.50
INV EL 42.5 (8") NW "ROOF"
INV EL 41.7 (18") W
INV EL 41.7 (18") E
INV EL 41.7 (18") SW
INV EL 41.1 (24") E

ST-5
TYPE E INLET
GRATE EL 45.00
INV EL 42.0 (12") NE
INV EL 42.0 (12") E
INV EL 42.0 (12") SW
INV EL 41.0 (24") W
INV EL 41.0 (24") SE

ST-6
NUTRIENT SEPARATING
BAFFLE BOX
(SEE DETAIL SHEET)

ST-7
TYPE C INLET
GRATE EL 46.50
INV EL 43.0 (12") SE
- ST-8
TYPE C INLET
GRATE EL 46.50
INV EL 42.6 (12") SE

ST-9
TYPE C INLET
GRATE EL 44.50
INV EL 42.2 (12") W

ST-10
TYPE C INLET
GRATE EL 46.00
INV EL 42.5 (12") NW "ROOF"
INV EL 42.0 (18") NE
INV EL 42.0 (18") SW

ST-11
TYPE C INLET
GRATE EL 46.00
INV EL 42.3 (12") NW "ROOF"
INV EL 41.8 (18") NE
INV EL 41.8 (18") SW

ST-12
TYPE C INLET
GRATE EL 45.60
INV EL 42.7 (12") NE

ST-13
TYPE C INLET
GRATE EL 45.60
INV EL 42.5 (12") SW
INV EL 42.2 (15") NE

ST-14
TYPE C INLET
GRATE EL 45.00
INV EL 42.0 (15") SW
INV EL 41.8 (18") NE

ST-15
TYPE C INLET
GRATE EL 45.00
INV EL 42.5 (12") SW

ST-16
TYPE C INLET
GRATE EL 45.50
INV EL 42.5 (12") SW

ST-17 **
TYPE P MANHOLE
RIM EL 45.3
INV EL 40.4 (18") NE
INV EL 40.4 (18") SW

ST-18 **
TYPE P MANHOLE
RIM EL 44.85
INV EL 40.0 (18") NE
INV EL 40.0 (18") SW

ST-19 **
TYPE P MANHOLE
RIM EL 44.4
INV EL 39.7 (18") NE
INV EL 39.7 (18") SE

** STRUCTURE DATA TO BE
VERIFIED AFTER SURVEY
DATA IS RECEIVED.

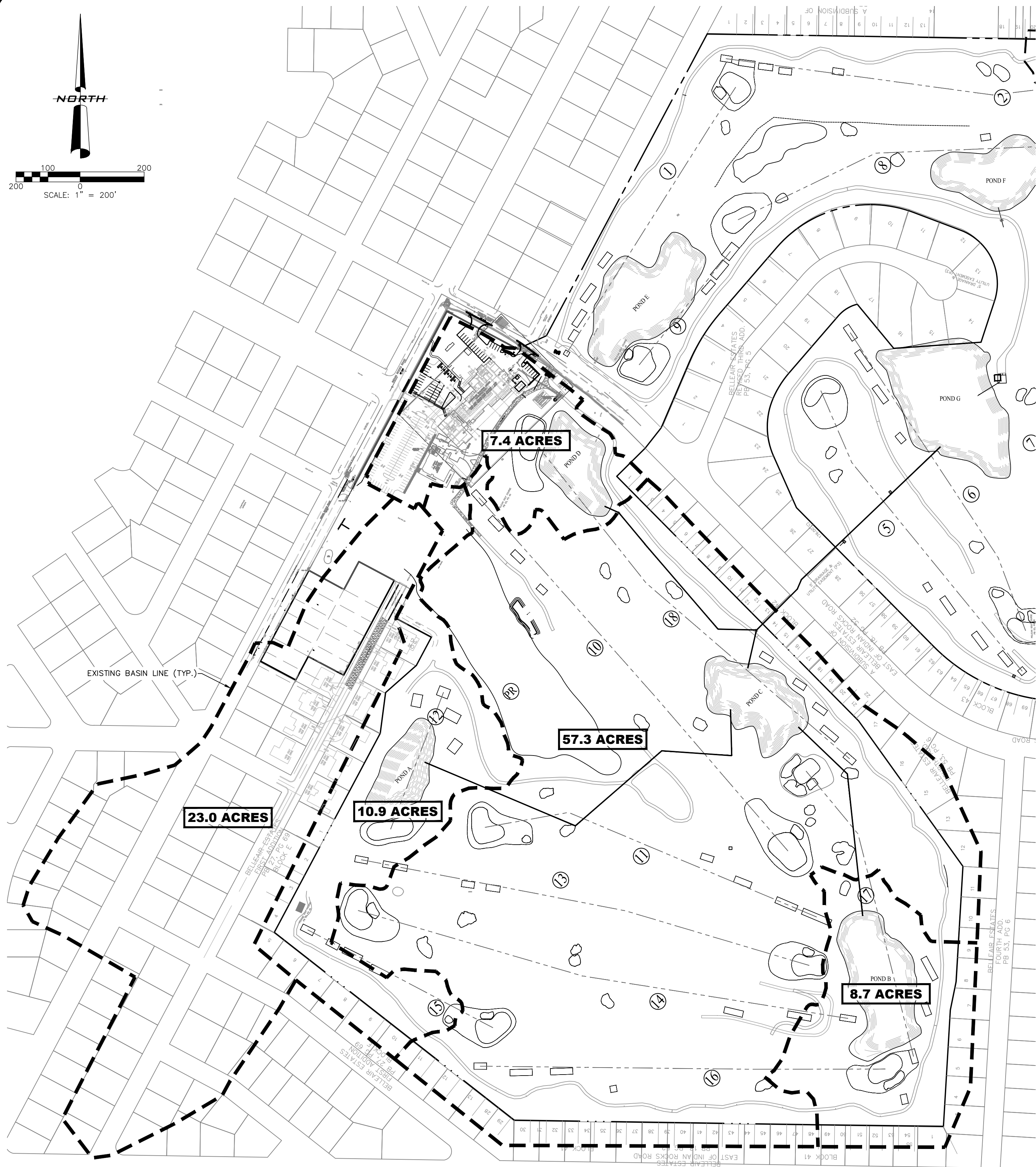
BASINS PLAN

PELICAN GOLF CLUB
"PERFORMANCE CENTER"

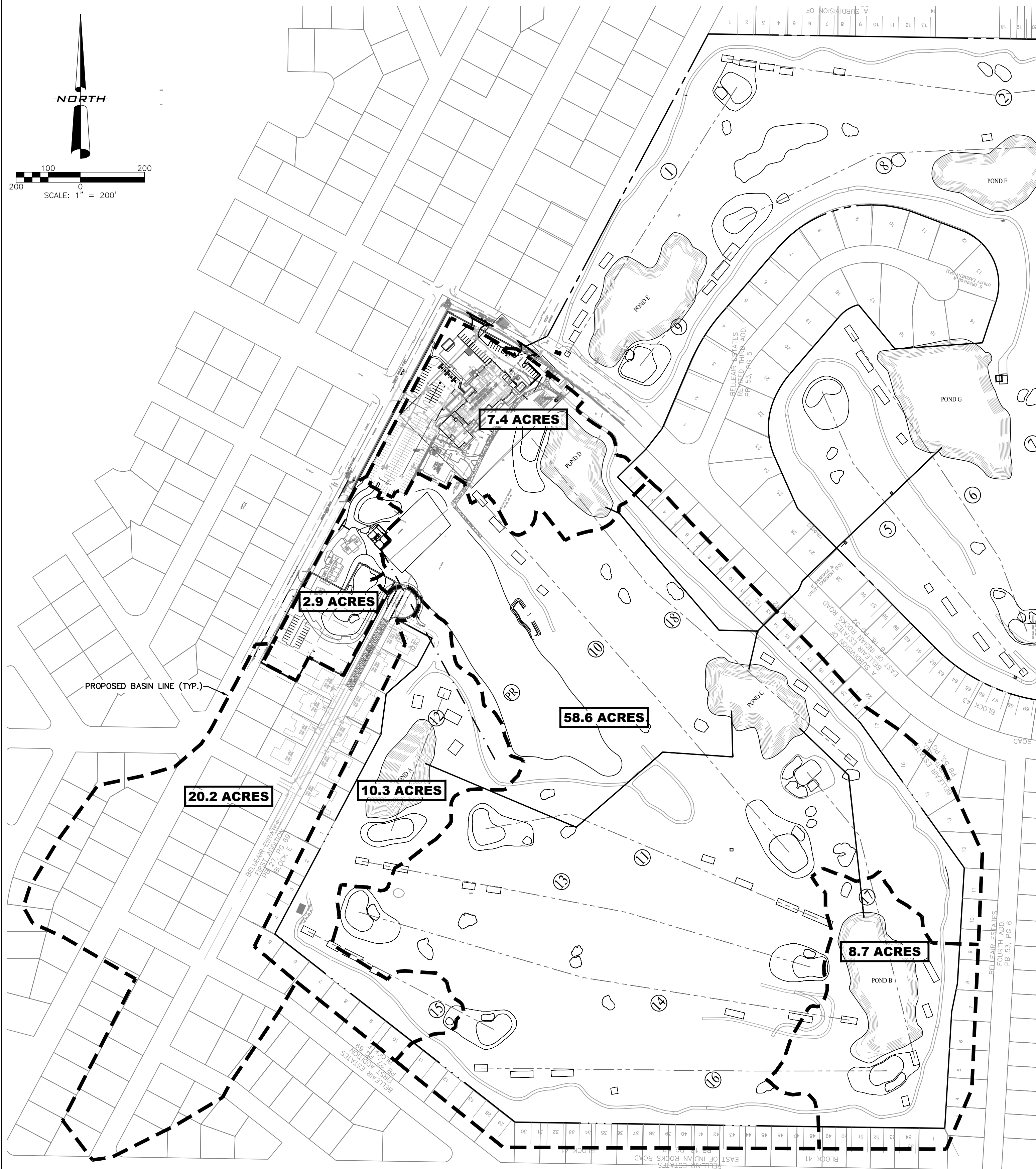
AUTORA
CIVIL ENGINEERING, INC.
610 E. Morgan Street
Brandon, FL 33510 (813) 843-9907

CHRONOLOGICAL RECORD
PROJECT: PELICAN GOLF CLUB
DRAWN BY: MICHAEL KNIGHT
CHECKED BY: CHRIS WEDDLE
DATE: 7/12/2019
JOB NO.: 18-174

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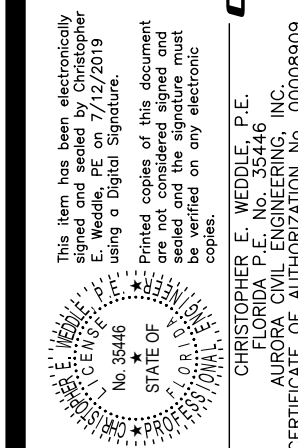


PERMITTED BASINS



PROPOSED BASINS

DRAFT



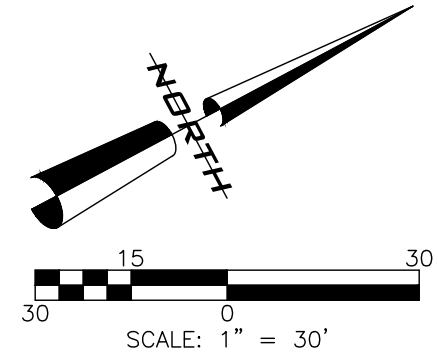
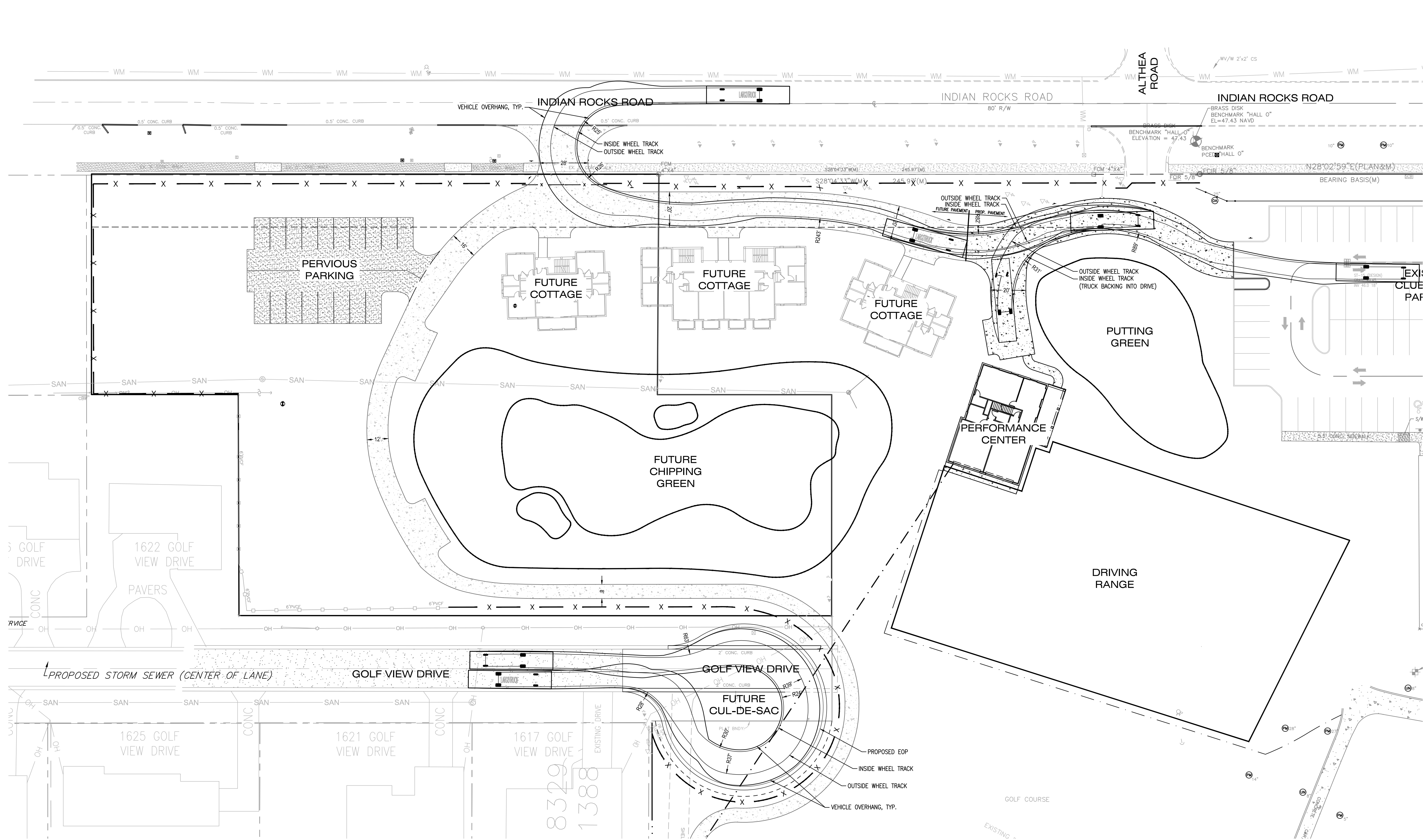
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PELICAN GOLF CLUB
"PERFORMANCE CENTER"
HARROD PROPERTIES, INC.
5550 WEST EXECUTIVE DRIVE - 550
TAMPA, FLORIDA 33609

MASTER
DRAINAGE PLAN

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REVISIONS		DATE	BY	DESCRIPTION
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100			KNIGHT	REVISION

VEHICLE TRACKING

PELICAN GOLF CLUB
"PERFORMANCE CENTER"
HARROD PROPERTIES, INC.
5550 WEST EXECUTIVE DRIVE - 550
TAMPA, FLORIDA 33609

AURORA
ENGINEERING, INC.
610 E. Morgan Street Brandon, FL 33510 (813)443-9907

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PROJECT: PELICAN GOLF CLUB
SHEET: 18-174
DATE: 8-2019
DRAWN BY: MICHAEL KNIGHT
CHECKED BY: CHRIS WEDDLE
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