

MASON MARTIN

Longboat Key Planning, Zoning & Building  
Approved for Zoning:  
For Statement of  
Zoning Compliance Only

Name: *Mason Martin* Date: *12/9/21*

RECEIVED

DEC 05 2021  
TOWN OF LONGBOAT KEY  
Planning, Zoning & Building

### NOTES:

#### GENERAL NOTES:

1. ALL ACTIVITIES SEAWARD OF THE CCCL SHALL CONFORM TO GENERAL PERMIT - DEP 2-10-SEC. 62B-34.070 (5, A-E)
2. ALL PLANT MATERIAL SHALL BE SPECIFIED AND FLORIDA #1 GRADE OR BETTER.
3. TEMPORARY IRRIGATION SHALL BE UTILIZED UNTIL SUCH TIME AS PLANT MATERIAL IS FULLY ESTABLISHED AND THRIVING.
4. ALL SAND FILL MATERIAL SHALL BE WHITE SAND WHICH IS SIMILAR TO THAT ALREADY ON SITE IN BOTH COLORATION AND GRAIN SIZE.

#### PLANTING NOTES:

1. PLANTING SHALL BE RESTRICTED TO NATIVE, SALT TOLERANT VEGETATION.
2. SEA OATS SHOULD BE PLANTED FIRST AND SHOULD COVER 60-80 PERCENT OF THE LOT AREA.
3. BEACH PANICUM CAN BE PLANTED IN REMAINING AREAS.
4. SEEDLINGS SHOULD BE PLANTED AT LEAST 4 INCHES DEEP.
5. UNLESS OTHERWISE SPECIFIED, SPACE THE PLANTS 24 INCHES APART IN ALTERNATE STAGGERED ROWS.
6. PLANTING SHOULD OCCUR DURING THE EARLY FALL OR SPRING.
7. ALL FILL MATERIAL SHALL BE WHOLE SAND WHICH IS SIMILAR TO THAT ALREADY EXISTING ON THE SITE IN BOTH COLORATION AND GRAIN SIZE.

#### GRADING NOTES:

1. VERTICAL DATUM: ALL EXISTING AND PROPOSED ELEVATIONS ARE BASED ON N.A.V.D. 1988 PER SURVEY.
2. NO EXCAVATION LOSS: THIS PROJECT DOES NOT RESULT IN A NET LOSS OF EXCAVATION SEAWARD OF THE C.C.C.L. ANY EXCAVATION SOILS WILL REMAIN SEAWARD OF THE C.C.C.L. IN THE PERMANENT FILL LIMITS AS SHOWN.
3. STORAGE AND HANDLING OF FILL MATERIAL: FILL MATERIAL WILL BE PLACED DIRECTLY INTO THE WORK BY RUBBER Tired FRONT END LOADER OR OTHER SMALL GRADING EQUIPMENT WITH NO TEMPORARY STORAGE.
4. GEOTECHNICAL DATA: GEOTECHNICAL DATA IS NOT PROVIDED FOR IMPORTED OR EXCAVATED SOIL SEAWARD OF THE FRONTAL DUNE SINCE NO SOIL PLACEMENT OR EXCAVATION IS PROPOSED SEAWARD OF THE FRONTAL DUNE OR ON THE SAND BEACH.
5. STAGGING OF EXCAVATION DURING CONST. EXCAV. SANDS WILL BE STAGED BETWEEN THE EXISTING SEAWALL AND THE PROPOSED HOUSE LOCATION.

FOR REVIEW - TO BE VERIFIED W/ STRUCTURAL

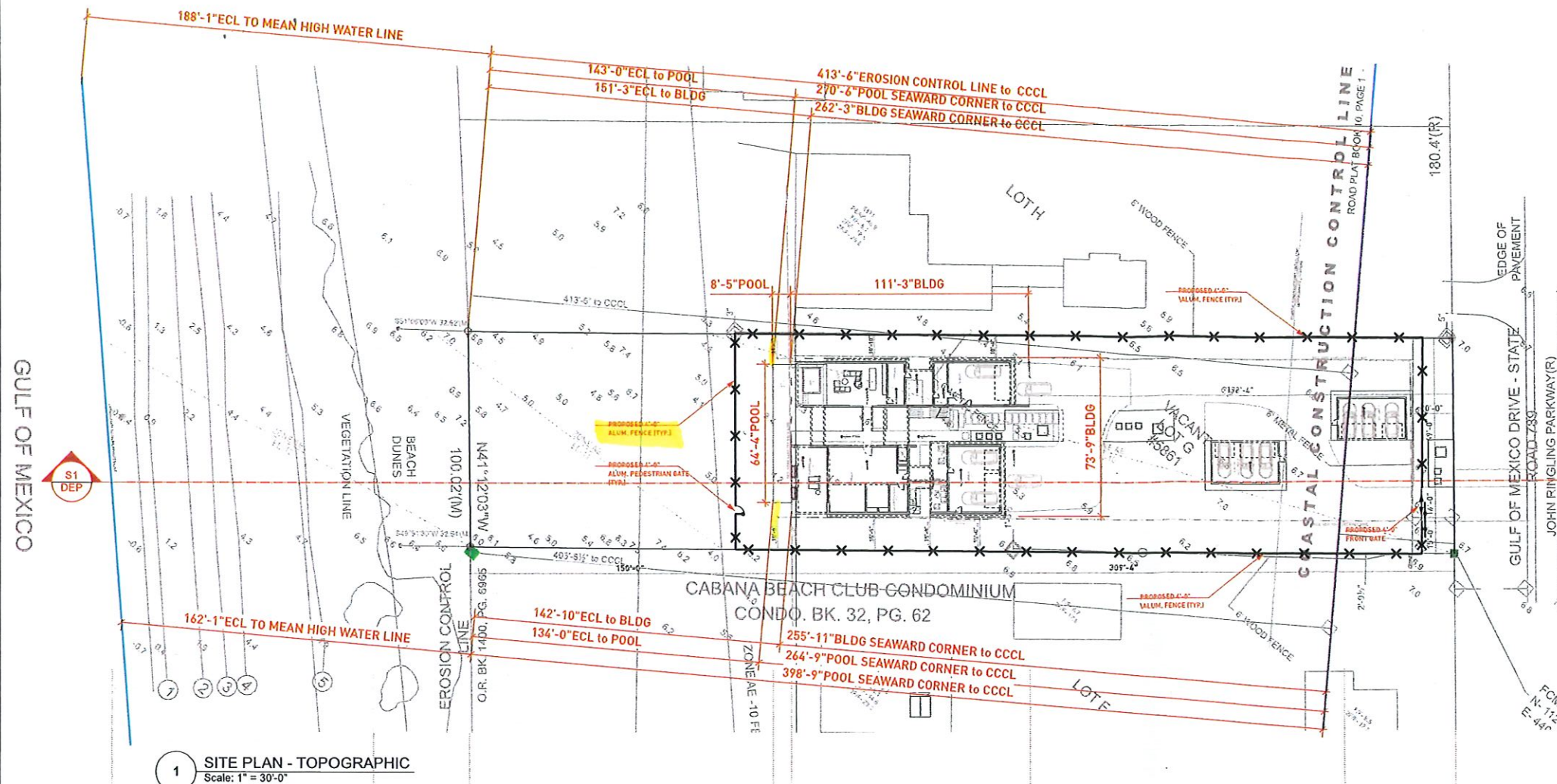
No. Description Date

5861 GULF OF MEXICO DR  
LONGBOAT KEY, FL 34228

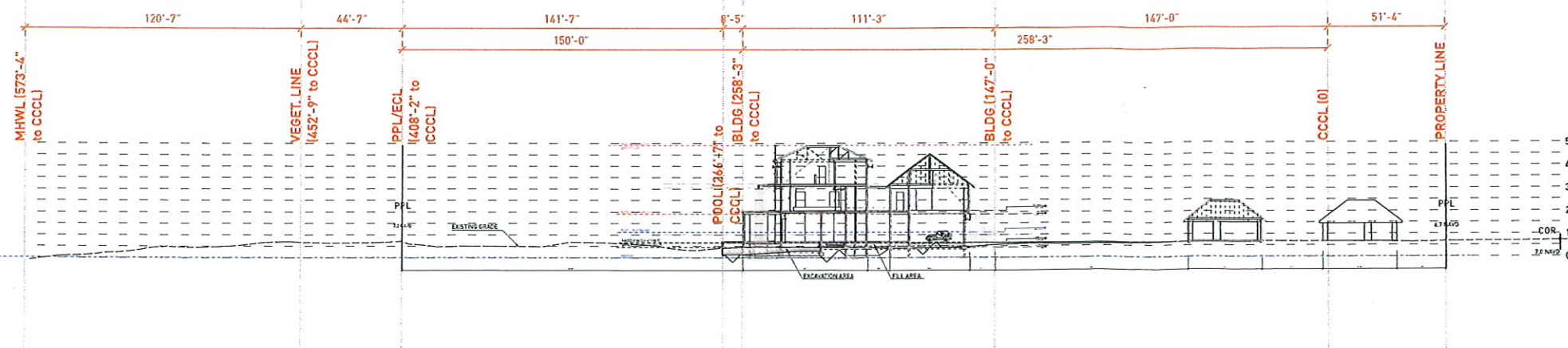
SITE PLAN  
DEP

PROJECT #: 2020/17  
SHEET DATE: 9/14/21  
DRAWN BY: MV

A 0.0



1 SITE PLAN - TOPOGRAPHIC  
Scale: 1" = 30'-0"



2 S1-DEP CROSS SECTION  
Scale: 1" = 30'-0"



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Planning, Zoning & Building

EXTERIOR DOOR SCHEDULE				
TYPE MARK	LEVEL	TYPE	WIDTH	HEIGHT
X100	GARAGE - T.O SLAB	GARAGE / OVERHEAD	16'-0"	9'-0"
X101	GARAGE - T.O SLAB	GARAGE / OVERHEAD	9'-0"	9'-0"
X102	GARAGE - T.O SLAB	GARAGE / OVERHEAD	16'-0"	9'-0"
X103	GARAGE - T.O SLAB	INT. SINGLE	2'-10"	8'-0"
X104	STORAGE/DECK - T.O SLAB	GLASS DOOR	2'-10"	8'-0"
X105	STORAGE/DECK - T.O SLAB	INT. SINGLE	2'-10"	8'-0"
X106	STORAGE/DECK - T.O SLAB	INT. SINGLE	2'-10"	8'-0"
X107	STORAGE/DECK - T.O SLAB	INT. SINGLE	2'-10"	8'-0"
X108	STORAGE/DECK - T.O SLAB	SINGLE GLASS	2'-10"	8'-0"
X109	STORAGE/DECK - T.O SLAB	INT. SINGLE	2'-10"	8'-0"
X110	STORAGE/DECK - T.O SLAB	SINGLE GLASS	4'-0"	8'-0"
X111	STORAGE/DECK - T.O SLAB	6-PANEL SGD	25'-7" verify released	10'-0" verify released
TOTAL:	12			

WINDOW SCHEDULE						
TYPE MARK	LEVEL	TYPE	HEAD HEIGHT	SILL HEIGHT	WIDTH	HEIGHT
W100	STORAGE/DECK - T.O SLAB	FIXED	8'-0"	FFL	6'-0"	8'-0"
W101	STORAGE/DECK - T.O SLAB	FIXED	8'-0"	FFL	2'-6"	8'-0"
TOTAL:	2					

VERIFY ALL DOOR AND WINDOW SIZES / REQUIRED ROUGH OPENINGS W/MANUFACTURER AND STRUCTURAL DESIGN AND SPECIFICATIONS.

CCCL STRUCTURE NOTES:

STRUCTURES SEAWARD OF THE COASTAL CONSTRUCTION CONTROL LINE SHALL BE DESIGNED TO RESIST THE PREDICTED FORCES OF A 100-YEAR STORM EVENT IN ACCORDANCE WITH SECTION R3109 OF FBC 2020 - 7TH EDITION - RESIDENTIAL - R322.2.2

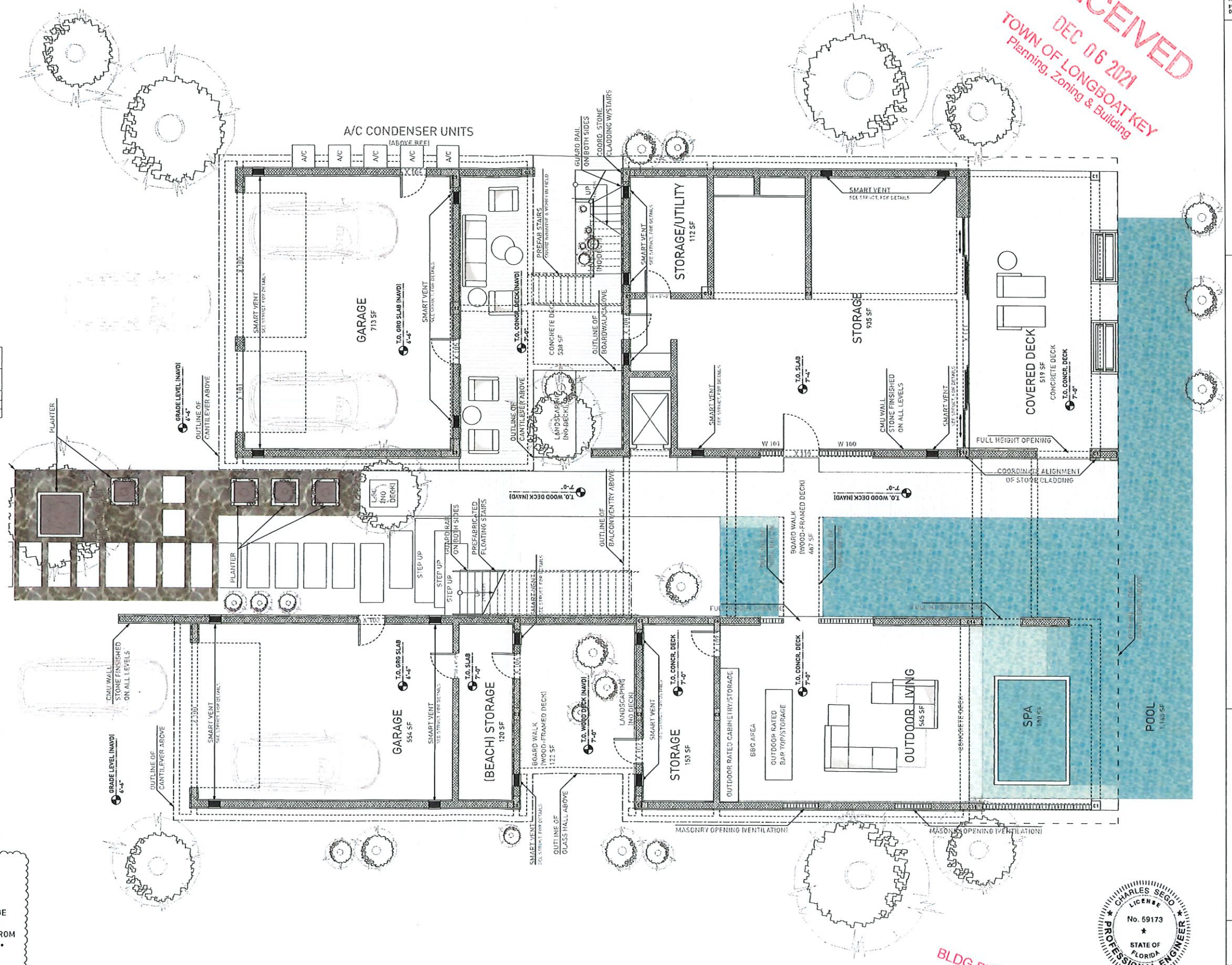
REV 1  
11/05

ELEVATOR NOTE:

ALL ELEVATOR COMPONENTS SHALL BE CONSTRUCTED OF FLOOD DAMAGE-RESISTANT MATERIALS AND DESIGNED TO RESIST PHYSICAL DAMAGE DURING FLOODING; AND IF ELEVATOR CABS DESIGNED TO ACCESS TO AREAS BELOW DFE, IT MUST BE EQUIPPED W/ CONTROLS THAT PREVENT THE CAB FROM DESCENDING INTO FLOODWATERS. (PER FEMA TB-4, FBC 2020 - 7TH EDITION - RESIDENTIAL - R322.1.6)

REV 1  
11/05

1 FLOOR PLAN LVL 1  
Scale: 3/16" = 1'-0"



BLDG PERMIT PLANS  
FILE  
Copy of Record  
Digitally signed by Charles Segó  
Date: 2021.11.19  
14:59:39-05'00'

Date  
11/05/21

Description  
BUILDING DEP. COMMENTS

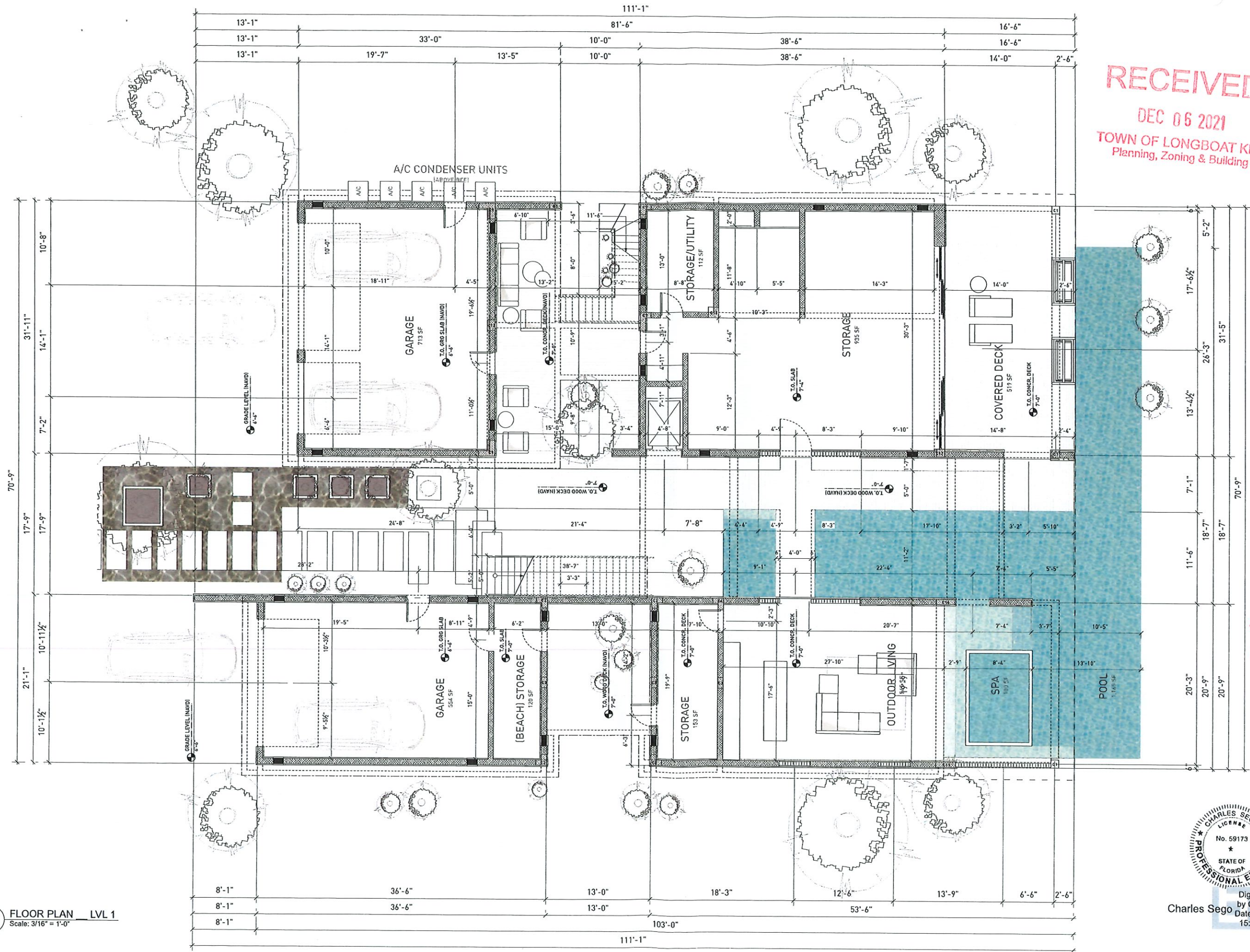
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5861 GULF OF MEXICO DR  
LONGBOAT KEY, FL 34228

FLOOR PLAN NOTES

PROJECT #: 2020/17  
SHEET DATE: 11/18/21  
DRAWN BY: MV





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TOWN OF LONGBOAT KEY  
Planning, Zoning & Building



Charles Sego  
Digitally signed by Charles Sego  
Date: 2021.11.19 15:00:06-05'00'

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MASON MARTIN

No.	Description	Date

5861 GULF OF MEXICO DR  
LONGBOAT KEY, FL 34228

FLOOR PLAN DIMENSIONS

PROJECT #: 2020/17  
SHEET DATE: 11/18/21  
DRAWN BY: MV





MASON MARTIN

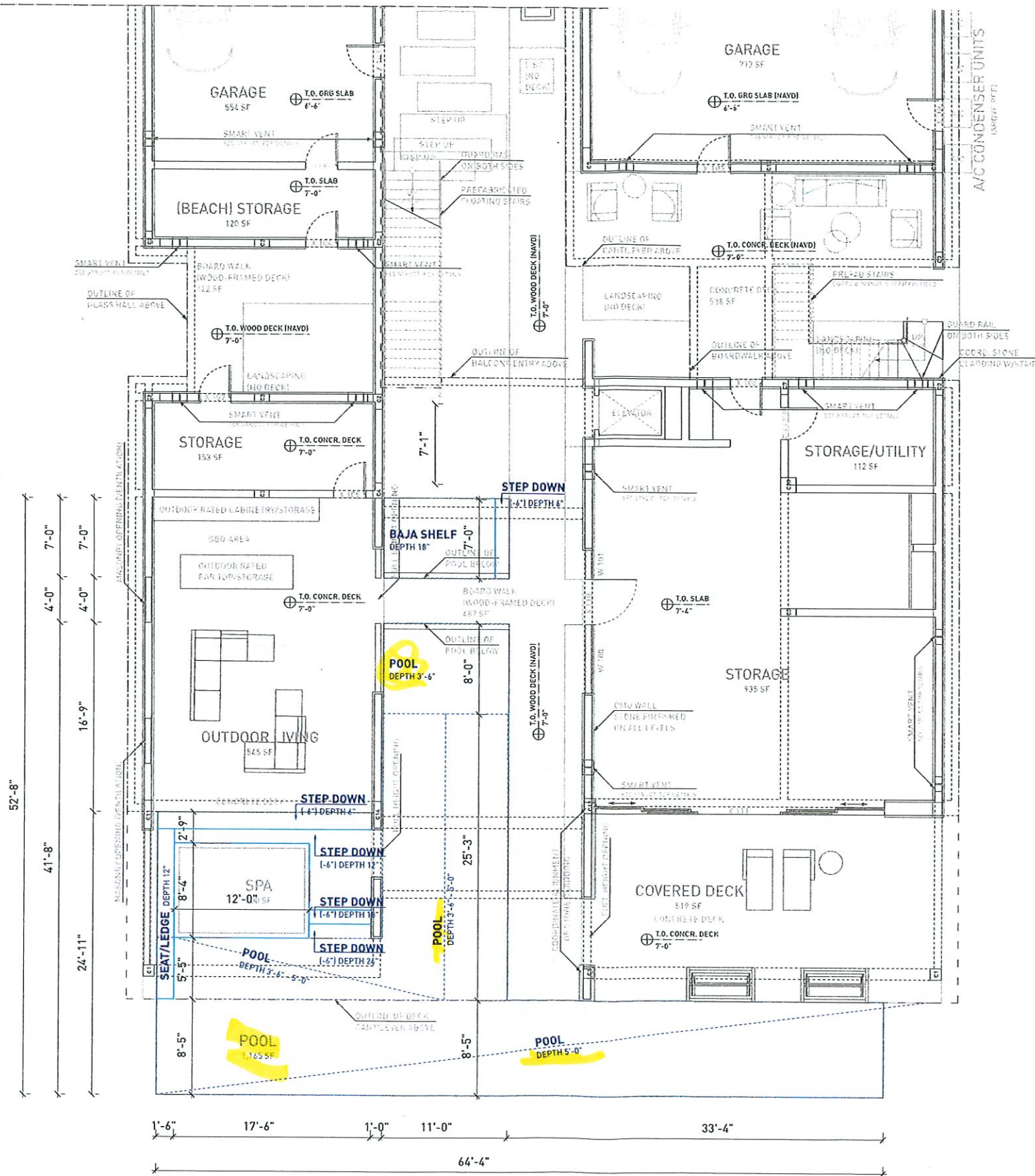
No.	Description	Date

5861 GULF OF MEXICO DR  
LONGBOAT KEY, FL 34228

POOL PLAN

PROJECT #: 2020/17  
SHEET DATE: 11/18/21  
DRAWN BY: MV

A 4.0



1 POOL LVL 1  
Scale: 3/16" = 1'-0"

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Digitally signed by  
Charles Sego  
Date: 2021.11.19  
15:03:04-05'00'



**GENERAL NOTES:**

ALL POOLS, AND SPAS SHALL CONFORM WITH THE 2017 FLORIDA BUILDING CODE, THE 2017 FLORIDA STATUTES, CHAPTER 515 RESIDENTIAL SWIMMING POOL SAFETY ACT, THE 'VIRGINIA GRAEME BACKER POOL & SPA SAFETY ACT' ALONG WITH ALL APPLICABLE COUNTY OR CITY CODES AND ORDINANCES.

ALL SUCTION OUTLETS SHALL BE PROVIDED WITH A COVER THAT HAS BEEN TESTED AND ACCEPTED BY A RECOGNIZED TESTING FACILITY AND COMPLYING WITH ANSI/ASME A112.19.8 PERFORMANCE STANDARD.

ALL POOLS AND SPAS SHALL BE REQUIRED TO HAVE A BACKUP SYSTEM WHICH SHALL PROVIDE VACUUM RELIEF SHOULD THE GRATE COVERS BE MISSING. ALTERNATE VACUUM DEVICES INCLUDE:  
APPROVED VENT PIPING.  
APPROVED VACUUM RELEASE SYSTEM.  
OTHER APPROVED MEANS OR DEVICES.

ALL POOL PIPING SHALL BE TESTED AND PROVED TIGHT TO THE SATISFACTION OF THE ADMINISTRATIVE AUTHORITY, UNDER A STATIC WATER OR PRESSURE TEST OF NOT LESS THAN 35 PSI FOR 15 MIN.

OUTDOOR SWIMMING POOLS SHALL BE PROVIDED WITH A BARRIER COMPLYING WITH THE 2017 FLORIDA STATUTES CHAPTER 515, RESIDENTIAL POOL AND SAFETY ACT, AND SECTION R4101.17 OF THE 2017 RESIDENTIAL FLORIDA BUILDING CODE.

APPROVED MANUFACTURED INLET FITTINGS FOR THE RETURN OF RECIRCULATING POOL WATER SHALL BE PROVIDED ON THE BASIS OF AT LEAST ONE PER 300 SQUARE FEET OF SURFACE AREA AND ONE FOR EVERY 20 GPM OF THE RECIRCULATED RATE. SUCH INLET FITTINGS SHALL BE DESIGNED AND CONSTRUCTED TO INSURE THE ADEQUATE SEAL TO THE POOL STRUCTURE AND SHALL INCORPORATE A CONVENIENT MEANS OF SEALING FOR PRESSURE TESTING OF THE PIPING. WHERE MORE THAN ONE INLET IS REQUIRED, THE SHORTEST DISTANCE BETWEEN ANY TWO REQUIRED INLETS SHALL BE AT LEAST 10 FEET.

ALL MATERIALS, PIPING, VALVES, EQUIPMENT OR APPLIANCES ENTERING INTO THE CONSTRUCTION OF SWIMMING POOLS OR PORTIONS THEREOF SHALL BE A TYPE COMPLYING WITH THE BUILDING CODE OR OF A TYPE RECOMMENDED AND APPROVED BY A NATIONALLY RECOGNIZED TESTING AGENCY OR CONFORMING TO OTHER RECOGNIZED STANDARDS ACCEPTABLE TO THE ADMINISTRATIVE AUTHORITY.

ALL DIMENSIONS SHOWN FOR THE NEW POOL ARE TO THE EXTERIOR OF THE POOL CONSTRUCTION

CONTRACTOR SHALL OBTAIN AND COMPLY WITH APPROVED C.C.C.L. PERMIT FINAL ORDER FROM THE F.D.E.P. FOR SWIMMING POOL CONSTRUCTION. AS REQUIRED.

NO VEGETATION IS EXISTING IN THE AREA OF THE PROPOSED SWIMMING POOL. THIS CONSTRUCTION WILL NOT RESULT IN THE LOSS OF STABILIZING NATIVE VEGETATION.

FILL FROM POOL EXCAVATION TO BE USED FOR THE PAVER DECK AND PAVER DRIVEWAY OR BE RELOCATED ON NEARBY PROPERTY SEAWARD OF THE COASTAL CONSTRUCTION CONTROL LINE.

**CONSTRUCTION NOTES:**

ALL SUCTION OUTLET COVERS SHALL BE COMPLIANT WITH ASME/ANSI A112.19-2007. IF DUAL MAIN DRAINS ARE USED EA. DRAIN COVER SHALL BE RATED FOR 100% OF THE SYSTEM FLOW RATE. IF UN-BLOCKABLE CHANNEL DRAINS ARE USED THE MANUFACTURERS LISTED SUMP MUST BE USED.

ALL POOL PIPING SHALL BE SCH. 40 PVC WITH NSF APPROVED STAMP FOR DRINKING WATER USE.

ALL REINFORCING STEEL SHALL BE GRADE 60 DEFORMED BARS. SPLICE LOCATIONS SHALL BE STAGGERED WITH BARS LAPPED 15" MINIMUM.

ALL ELECTRICAL WIRING AND EQUIPMENT SHALL COMPLY WITH CHAPTER 27 OF THE FBC 2017 AND NFPA 70 2014, ARTICLE 680 (N.E.C.). PROVIDE BONDING OF ALL EQUIPMENT, HANDRAILS AND LIGHTS TO POOL REINFORCING.

**ADDITIONAL NOTES**

POOL INSTALLATION SHALL BE BY A QUALIFIED AND LICENSED (APPROVED BY LOCAL BUILDING DEPARTMENT) POOL CONTRACTOR, THE INSTALLATION SHALL CONFORM TO A LOCAL BUILDING CODES, ie, PERMITS SPECIFICATIONS, CODES, RULES, RULES, INSPECTION, WORKMANSHIP, ETC.

STEPS OR A LADDER SHALL BE PROVIDED AT THE SHALLOW END OF THE POOL.

FINAL ELECTRICAL AND BARRIER CODE INSPECTIONS SHALL BE COMPLETED PRIOR TO FILLING THE POOL WITH WATER.

**ELECTRICAL REQUIREMENTS:**

INSTALL LOW VOLTAGE LIGHT AS PER NEC 680.

WIRING AND BONDING AND ALL ELECTRICAL TO COMPLY WITH CHAPTER 27, FLORIDA BUILDING CODE FBC 2017.

NO OUTLET OR OVERHEAD POWER WITHIN 10' IF WITHIN 15' PROTECT BY GFI, TRANSFORMER MIN. 10' FROM POOL, 8" ABOVE WATER, J BOX 4' FROM POOL, BRASS TO J BOX OR TRANSFORMER WHICH EVER IS FIRST EXCEPT WHERE PVC IS APPROVED.

AN EQUIPOTENTIAL BONDING GRID MUST COVER THE CONTOUR OF THE PERMANENTLY INSTALLED POOL AND SPA UNDER THE DECK. AN UNDERGROUND BONDING CONDUCTOR MADE OF A SINGLE #8 AWG BARE COPPER WIRE BURIED TO A MINIMUM DEPTH OF 4 TO 6 INCHES BELOW SUBGRADE, AND 18 TO 24 INCHES FROM THE INSIDE OF THE WALL OF A SWIMMING POOL OR SPA, AND BONDED TO THE POOL STEEL WITH #8 AWG BARE COPPER WIRE AT FOUR EQUAL PLACES ALONG THE PERIMETER OF THE POOL. FOR POOL WATER BONDING SEE 2014 NEC 680.26-C

ALL PUMPS AND ALL METALLIC PARTS WITHIN 5 FEET OF POOL MUST BE GROUNDED TO THE POOL STEEL WITH #8 COPPER GROUND WIRE.

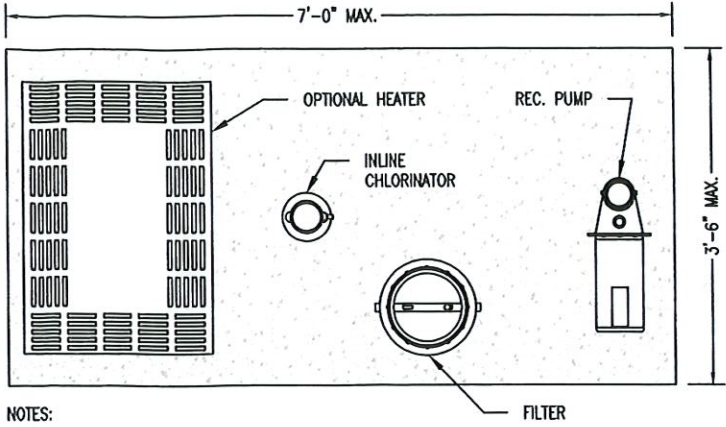
TIME CLOCKS SHALL BE INSTALLED ON PRIVATE POOLS SO THAT THE PUMP CAN BE SET TO RUN DURING OFF-PEAK ELECTRICAL DEMAND PERIODS AND CAN BE SET FOR THE MAXIMUM TIME NECESSARY TO MAINTAIN THE WATER IN A CLEAR AND SANITARY CONDITION IN KEEPING WITH APPLICABLE HEALTH STANDARDS.

ALL POOL AND SPA HEATERS SHALL BE EQUIPPED WITH AN ON/OFF SWITCH MOUNTED FOR EASY ACCESS TO ALLOW THE HEATERS TO BE SHUT OFF WITHOUT ADJUSTING THE THERMOSTAT SETTING, AND TO ALLOW RESTARTING WITHOUT RELIGHTING THE PILOT LIGHT.

LIGHTING SCHEDULE				
FIXTURE	QUANTITY	BULB TYPE & LUMENS	MOUNT	MOUNTING HEIGHT
PENTAIR AMERILITE, #78438100, 300 WATT, 12 VOLT UNDERWATER LIGHT, WITH STAINLESS STEEL RIM	1	300 WATT, 12 VOLT, INCANDESCENT FLOODLAMP (5,000 LUMENS)	PENTAIR LARGE STAINLESS STEEL NICHE FOR FIBERGLASS INSTALLATION	18" MINIMUM BELOW POOL WATER LEVEL
INTERIOR SWIMMING POOL LIGHTS SHALL BE TURNED OFF WHILE THE POOL IS NOT IN USE DURING SEA TURTLE NESTING SEASON (MAY 1 THROUGH OCTOBER 31). THE USE OF AN AUTOMATIC TIMER IS ACCEPTABLE.				

DIRECT OR INDIRECT CONNECTIONS SHALL NOT BE MADE BETWEEN ANY STORM DRAIN, SEWER, DRAINAGE SYSTEM, SEEPAGE PIT, UNDERGROUND LEECHING PIT, OR SUBSOIL DRAINAGE LINE, AND ANY LINE CONNECTED TO THE SWIMMING POOL, UNLESS APPROVED BY THE ADMINISTRATIVE AUTHORITY

THE ENGINEER SHALL NOT BE HELD LIABLE FOR:  
• FAULTY MATERIALS AND CONSTRUCTION  
• INADEQUATE OR IMPROPER SUPERVISION OF CONSTRUCTION  
• IMPROPER POOL MAINTENANCE AFTER CONSTRUCTION.

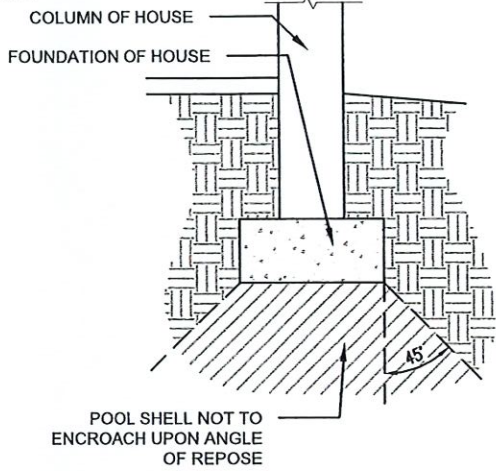


**NOTES:**

- CONCRETE PAD TO BE 4" THICK (2,500 PSI MIN.)
- POOL EQUIPMENT SHALL NOT BE WITHIN A 4 FOOT RADIUS OF POOL BARRIER FENCE TOP.
- ALL EQUIPMENT SHALL COMPLY WITH ANSI/NSF 50.
- HEATER SHALL HAVE A READILY ACCESSIBLE ON-OFF SWITCH, MOUNTED ON THE OUTSIDE AND CAN BE USED WITHOUT CHANGING THE THERMOSTAT SETTING.

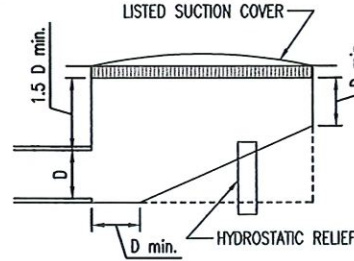
**TYPICAL FILTER LAYOUT**

NOT TO SCALE



**ANGLE OF REPOSE DETAIL**

NOT TO SCALE

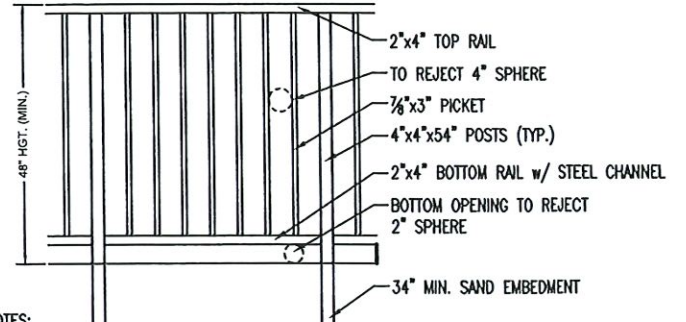


MAY OMIT IF LISTED COVER DOCUMENTATION SPECIFICALLY STATES NO CLEARANCE TO SUCTION PIPE REQUIRED

FIELD BUILD SUMPS MEETING THESE CRITERIA REQUIRED WHEN MANUFACTURED POTS NOT USED

**FIELD BUILT SUMP DETAILS**

NOT TO SCALE

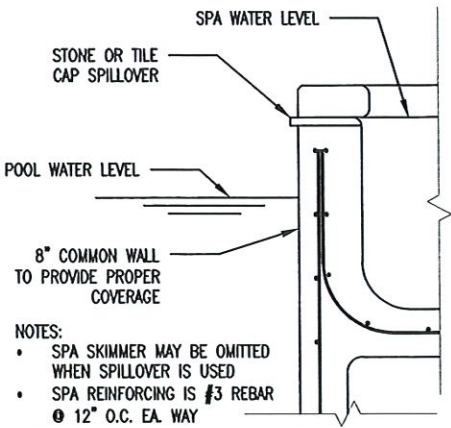


**NOTES:**

- COVERS USED TO SATISFY RESIDENTIAL SWIMMING BARRIER REQUIREMENTS MUST COMPLY WITH ASTM F 1346.
- THE OUTSIDE BARRIER SHALL NOT CONTAIN ANY PROTRUSIONS, HAND AND FOOTHOLDS OR ANY OTHER DISTINGUISHING FEATURE TO ALLOW OR AID IN CLIMBING.
- ACCESS GATES SHALL BE SELF CLOSING AND EQUIPPED WITH A SELF LATCHING LOCKING DEVICE AT A HEIGHT OF MINIMUM 54".
- ACCESS GATE SHALL OPEN OUTWARD AWAY FROM POOL.
- ALL FIRST FLOOR DOORS AND WINDOWS LESS THAN 48" ABOVE FINISHED FLOOR PROVIDING DIRECT ACCESS TO THE POOL FROM HOME SHALL BE EQUIPPED WITH AN EXIT ALARM COMPLYING WITH UL 2017.

**TYPICAL BARRIER DETAIL**

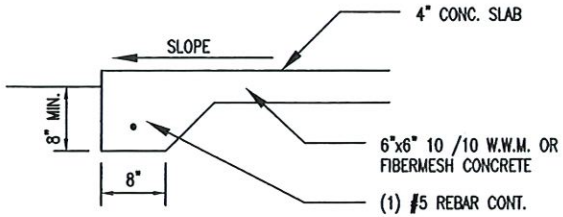
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**POOL / SPA COMMON WALL**

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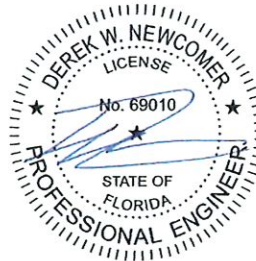
PIPE FLOW AT GIVEN VELOCITY (GPM)			
PIPE	6 FPS	8 FPS	10 FPS
1"	16	22	27
1.5"	38	51	64
2"	63	84	105
2.5"	90	119	149
3"	138	184	230
4"	238	317	397
6"	540	720	900



- IF FIBERMESH CONCRETE IS USED FOR POOL DECK THEN A DECK TOPPING IS REQUIRED
- ALL REINFORCING STEEL TO COMPLY WITH ASTM 615 GRADE 40
- FOOTER SIZE MAY VARY FOR SCREEN ENCLOSURES

**DECK FOOTER DETAIL**

NOT TO SCALE



Digitally signed by Derek W Newcomer  
DN: c=US, o=APEX CONSULTING ENGINEERS, ou=A01410C0000016FEC C0651C0000D155, cn=Derek W Newcomer  
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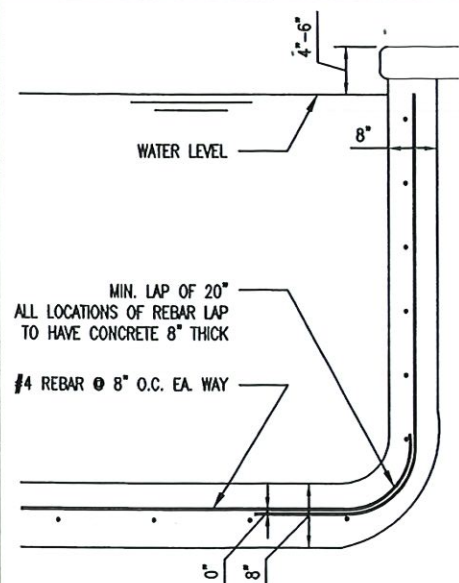


<b>New Pool for:</b> 5861 Gulf of Mexico Dr., Longboat Key, FL 34228	
Date: 10-19-2021	Job No.: 21-0365
Drawn by: JAG	Scale: AS NOTED

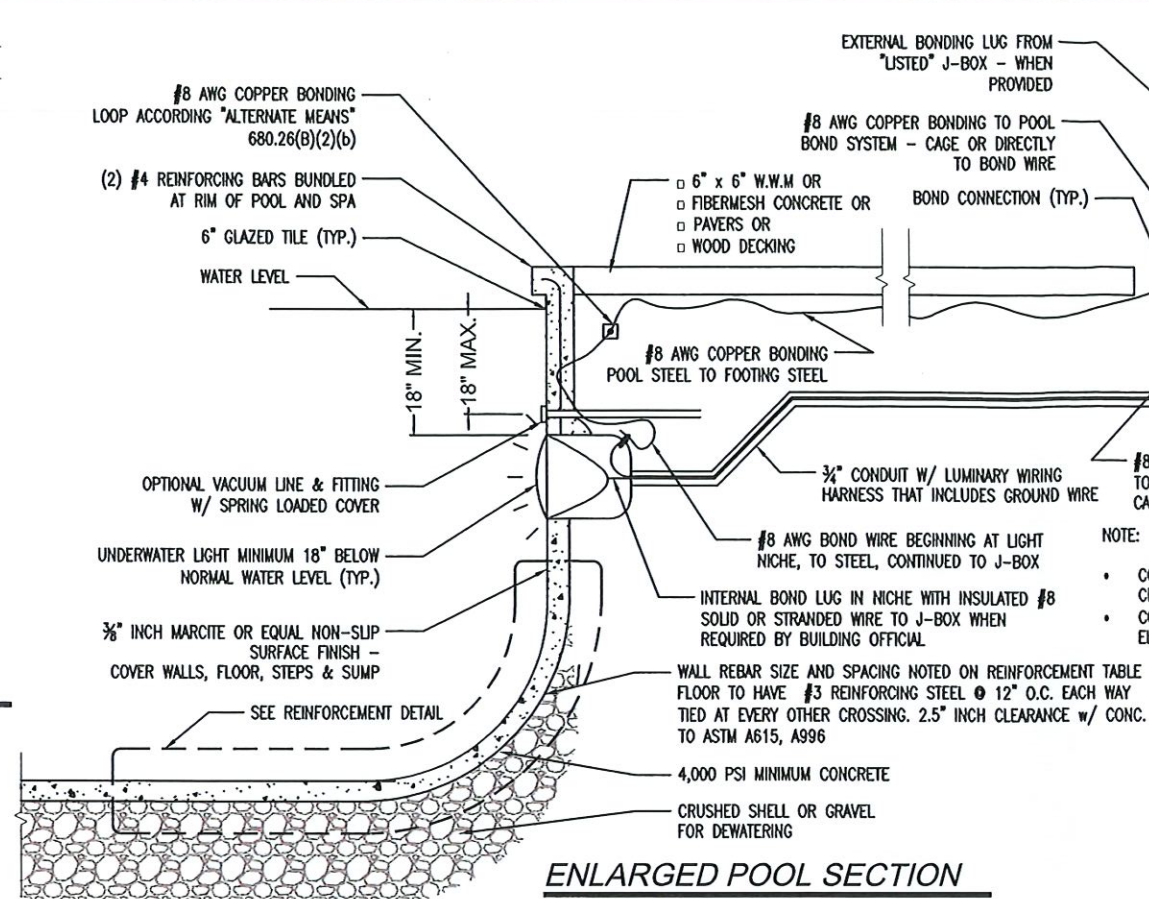
WHILE EVERY ATTEMPT HAS BEEN MADE IN THE PREPARATION OF THESE DRAWINGS TO AVOID MISTAKES, THE DESIGNER CANNOT GUARANTEE AGAINST HUMAN ERROR. PRIOR TO THE COMMENCEMENT OF ANY WORK, CONTRACTOR/OWNER MUST VERIFY ALL CONDITIONS AND DIMENSIONS AT JOB SITE. THE CONTRACTOR/OWNER SHALL REPORT ALL DISCREPANCIES BETWEEN DRAWINGS AND EXISTING CONDITIONS TO THE DESIGNER PRIOR TO COMMENCING WORK. © 2014 APEX CE



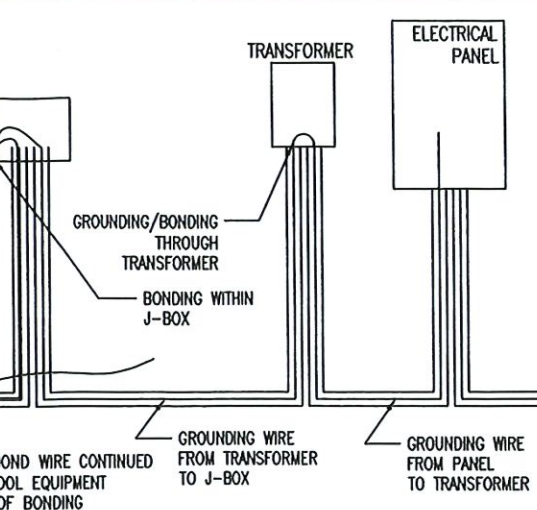




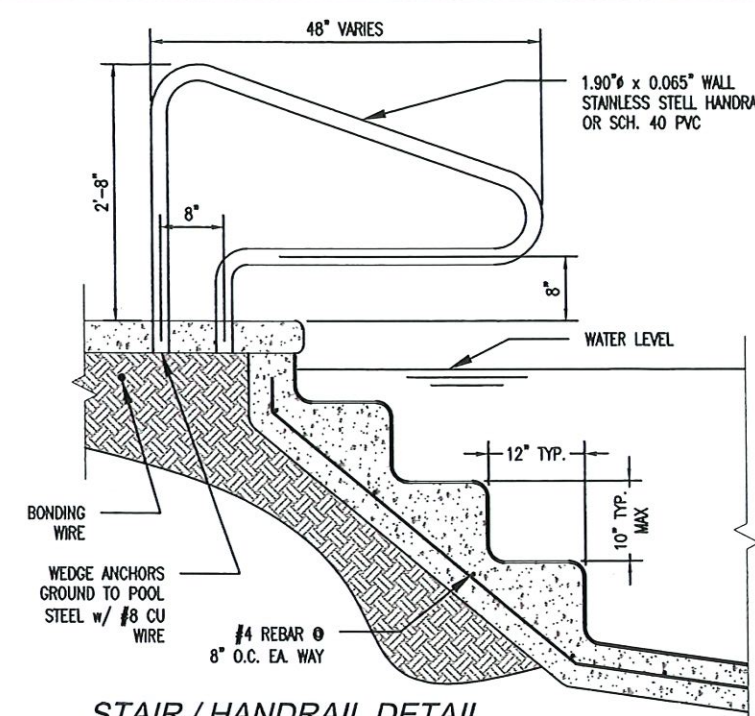
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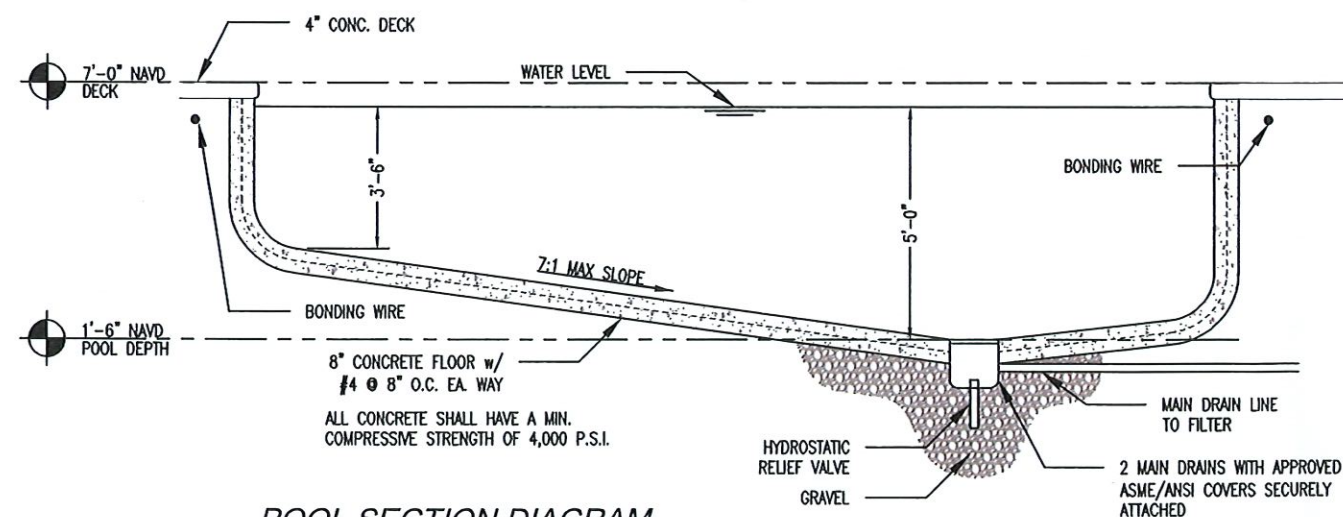
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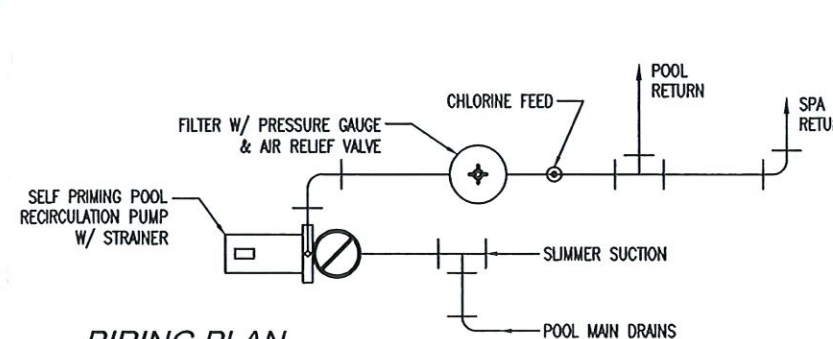
**ELECTRICAL DIAGRAM**  
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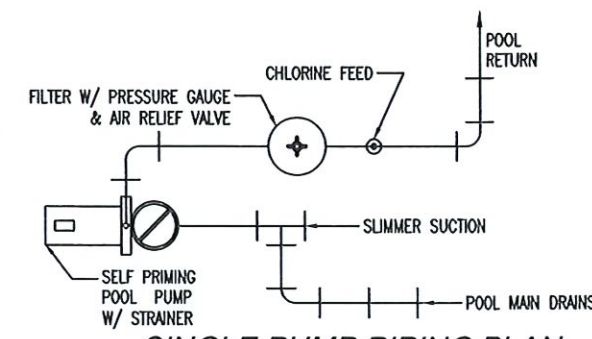
**STAIR / HANDRAIL DETAIL**  
NOT TO SCALE



**POOL SECTION DIAGRAM**  
NOT TO SCALE



**PIPING PLAN**  
NOT TO SCALE



**SINGLE PUMP PIPING PLAN**  
NOT TO SCALE

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**APEX**  
Consulting Engineers PL

Derek W. Newcomer, PE #69010  
16890 Toledo Blade Pkwy North Port, FL 33954 /  
1136 NE Pine Island Rd #76 Cape Coral, FL 33909  
(941) 365-1900 / (239) 330-4999  
DEREK@APEXENGINEER.COM

Cert. of Auth. #28488

**New Pool for:**  
5861 Gulf of Mexico Dr.,  
Longboat Key, FL 34228

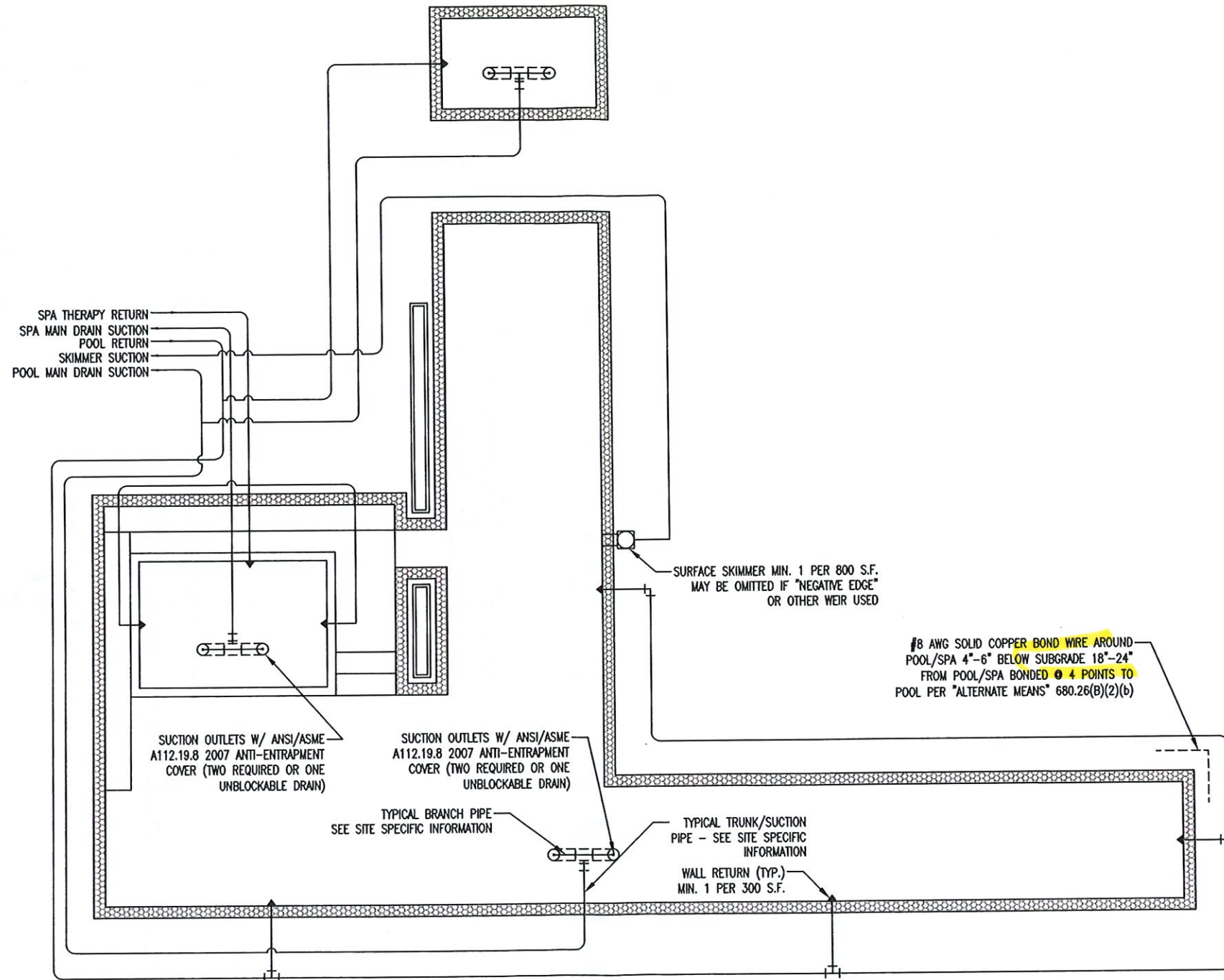
Date: 10-19-2021 Job No.: 21-0365  
Drawn by: JAG Scale: AS NOTED

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BLDG PERMIT PLANS  
FILE  
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Permit # PS0521-0084  
 REVIEWED FOR CODE COMPLIANCE  
 LONGBOAT KEY BUILDING DEPT.

DEC 14 2021

APPROVED  
 Reviewer: PATTI FIGE

**POOL LAYOUT**  
 SCALE: 1/8" = 1'-0"

BLOG PERMIT PLANS  
 FILE  
 Copy of Record

RECEIVED  
 DEC 05 2021  
 TOWN OF LONGBOAT KEY  
 Planning, Zoning & Building

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 Consulting Engineers PL

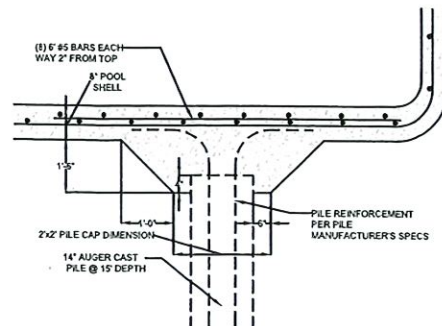
DEREK W NEWCOMER, PE #69010  
 16890 Toledo Blade Pkwy North Port, FL 33954/  
 1136 NE Pine Island Rd #76 Cape Coral, FL 33909  
 (941) 365-1900 / (239) 330-4999  
 DEREK@APEXENGINEER.COM

Structural Components Only  
 Cert. of Auth. #28488

<b>New Pool for:</b> 5861 Gulf of Mexico Dr., Longboat Key, FL 34228	
Date: 10-19-2021	Job No.: 21-0365
Drawn by: JAG	Scale: AS NOTED
<small>WHILE EVERY ATTEMPT HAS BEEN MADE IN THE PREPARATION OF THESE DRAWINGS TO AVOID MISTAKES, THE DESIGNER CANNOT GUARANTEE AGAINST HUMAN ERROR. PRIOR TO THE COMMENCEMENT OF ANY WORK, CONTRACTOR/OWNER MUST VERIFY ALL CONDITIONS AND DIMENSIONS AT JOB SITE. THE CONTRACTOR/OWNER SHALL REPORT ALL DISCREPANCIES BETWEEN DRAWINGS AND EXISTING CONDITIONS TO THE DESIGNER PRIOR TO COMMENCING WORK. © 2014 APEX C.E.</small>	

S.3





**PILE CONNECTION**  
SCALE: NOT TO SCALE

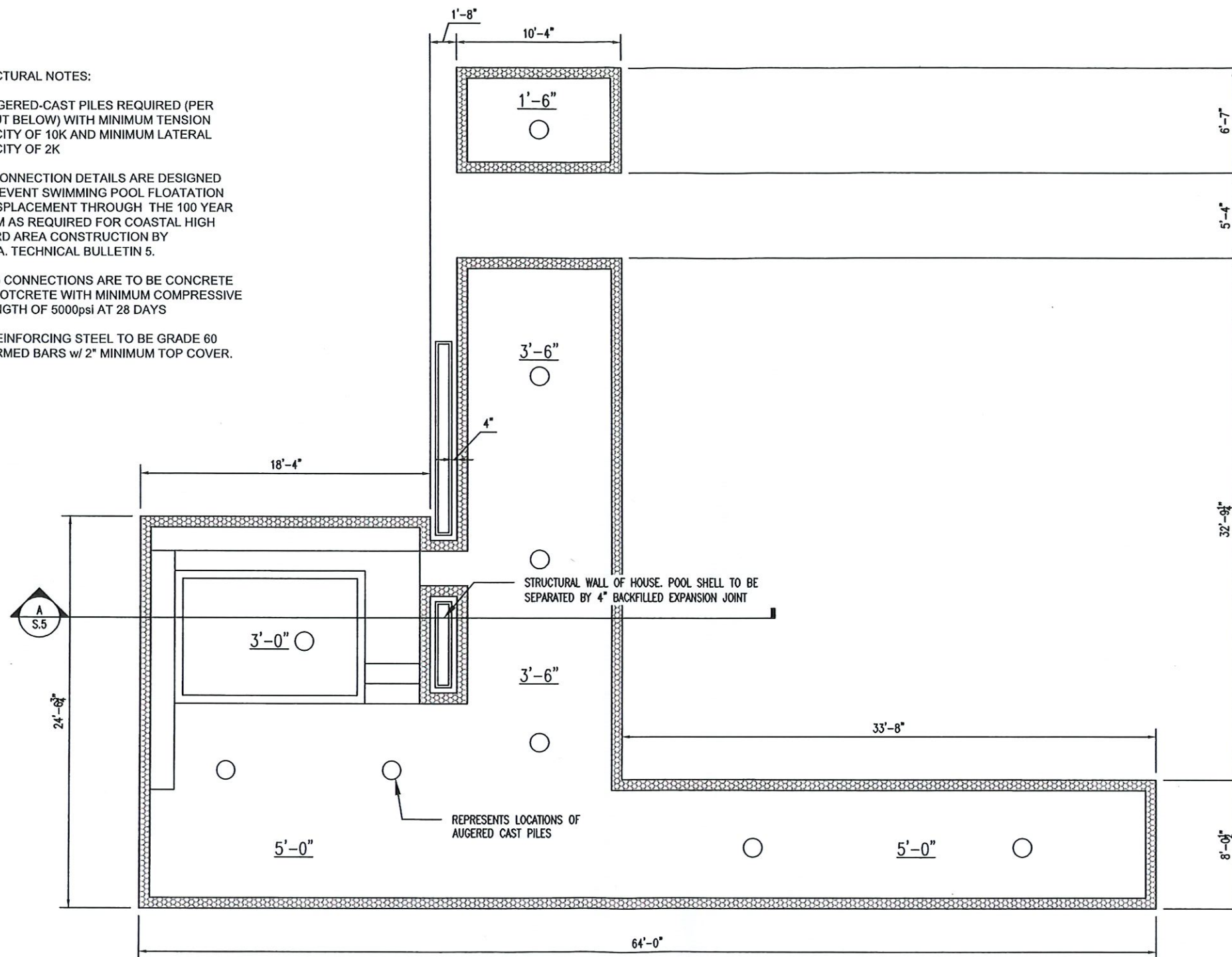
**STRUCTURAL NOTES:**

(8) AUGERED-CAST PILES REQUIRED (PER LAYOUT BELOW) WITH MINIMUM TENSION CAPACITY OF 10K AND MINIMUM LATERAL CAPACITY OF 2K

PILE CONNECTION DETAILS ARE DESIGNED TO PREVENT SWIMMING POOL FLOATATION OR DISPLACEMENT THROUGH THE 100 YEAR STORM AS REQUIRED FOR COASTAL HIGH HAZARD AREA CONSTRUCTION BY F.E.M.A. TECHNICAL BULLETIN 5.

PIILING CONNECTIONS ARE TO BE CONCRETE OR SHOTCRETE WITH MINIMUM COMPRESSIVE STRENGTH OF 5000psi AT 28 DAYS

ALL REINFORCING STEEL TO BE GRADE 60 DEFORMED BARS w/ 2" MINIMUM TOP COVER.



**POOL LAYOUT**

SCALE: 1/8" = 1'-0"

BLDG PERMIT PLANS  
FILE  
Copy of Record

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TOWN OF LONGBOAT KEY  
Planning, Zoning & Building

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**APEX**  
Consulting Engineers PL

DEREK W NEWCOMER, PE #69010  
16890 Toledo Blade Pkwy North Port, FL 33954/  
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(941) 365-1900 / (239) 330-4999  
DEREK@APEXENGINEER.COM

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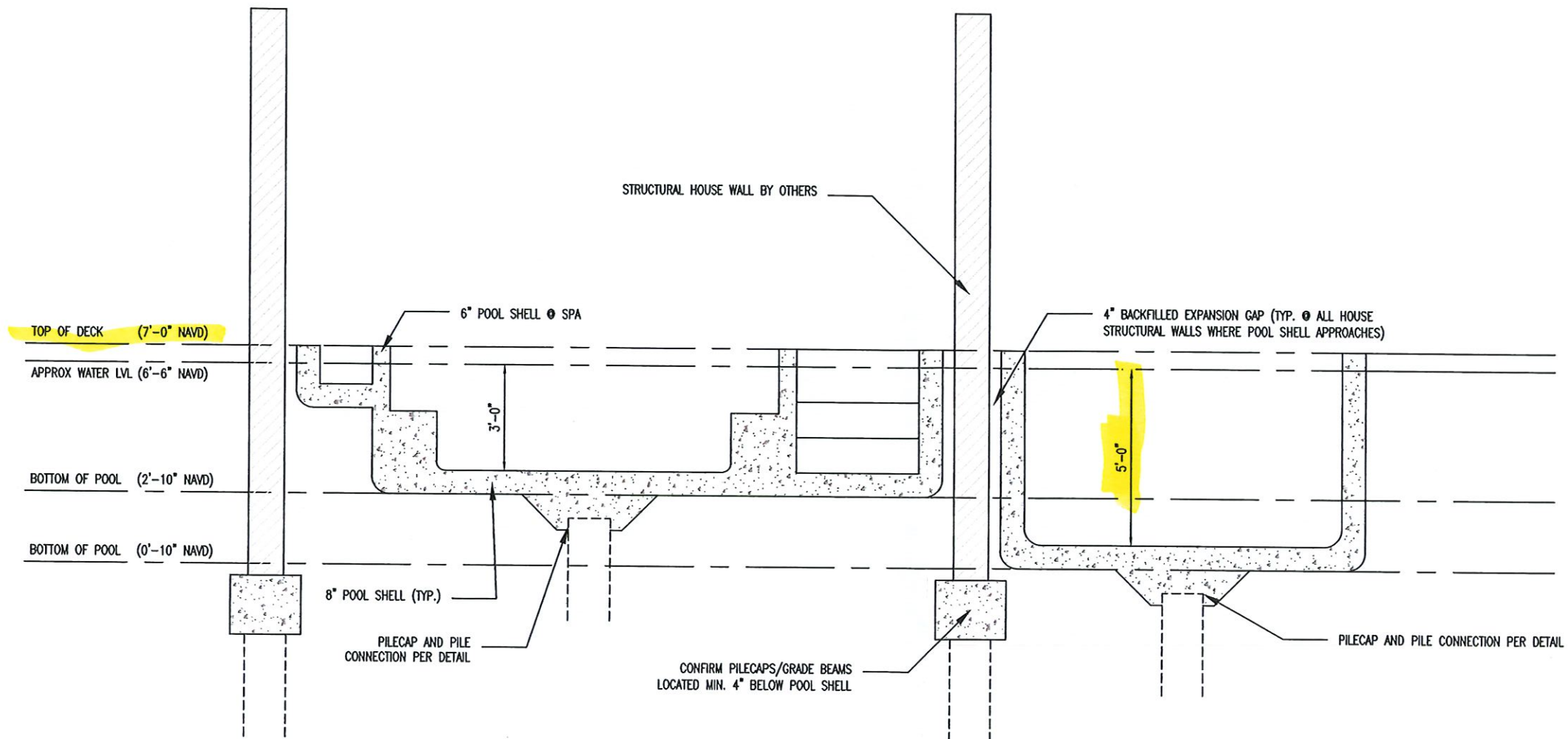
**New Pool for:**  
5861 Gulf of Mexico Dr.,  
Longboat Key, FL 34228

Date: 10-19-2021	Job No.: 21-0365
Drawn by: JAG	Scale: AS NOTED

WHILE EVERY ATTEMPT HAS BEEN MADE IN THE PREPARATION OF THESE DRAWINGS TO AVOID MISTAKES, THE DESIGNER CANNOT GUARANTEE AGAINST HUMAN ERROR. PRIOR TO THE COMMENCEMENT OF ANY WORK, CONTRACTOR/OWNER MUST VERIFY ALL CONDITIONS AND DIMENSIONS AT JOB SITE. THE CONTRACTOR/OWNER SHALL REPORT ALL DISCREPANCIES BETWEEN DRAWINGS AND EXISTING CONDITIONS TO THE DESIGNER PRIOR TO COMMENCING WORK. © 2014 APEX C.E.

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# **POOL SECTION**

SCALE: 1/4" = 1'-0"

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**APEX**  
Consulting Engineers PL

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DEREK@APEXENGINEER.COM

Structural Components Only  
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<b>New Pool for:</b>			
5861 Gulf of Mexico Dr., Longboat Key, FL 34228			
Date:	10-19-2021	Job No.:	21-0365
Drawn by:	JAG	Scale:	AS NOTED
WHILE EVERY ATTEMPT HAS BEEN MADE IN THE PREPARATION OF THESE DRAWINGS TO AVOID MISTAKES, THE DESIGNER CANNOT GUARANTEE AGAINST HUMAN ERROR. PRIOR TO THE COMMENCEMENT OF ANY WORK, CONTRACTOR/OWNER MUST VERIFY ALL CONDITIONS AND DIMENSIONS AT JOB SITE. THE CONTRACTOR/OWNER SHALL REPORT ALL DISCREPANCIES BETWEEN DRAWINGS AND EXISTING CONDITIONS TO THE DESIGNER PRIOR TO COMMENCING WORK. © 2014 APEX C.E.			

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ME-1390

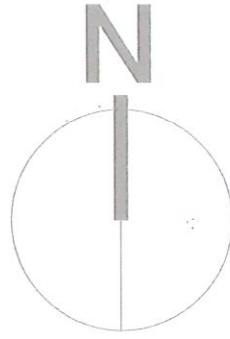
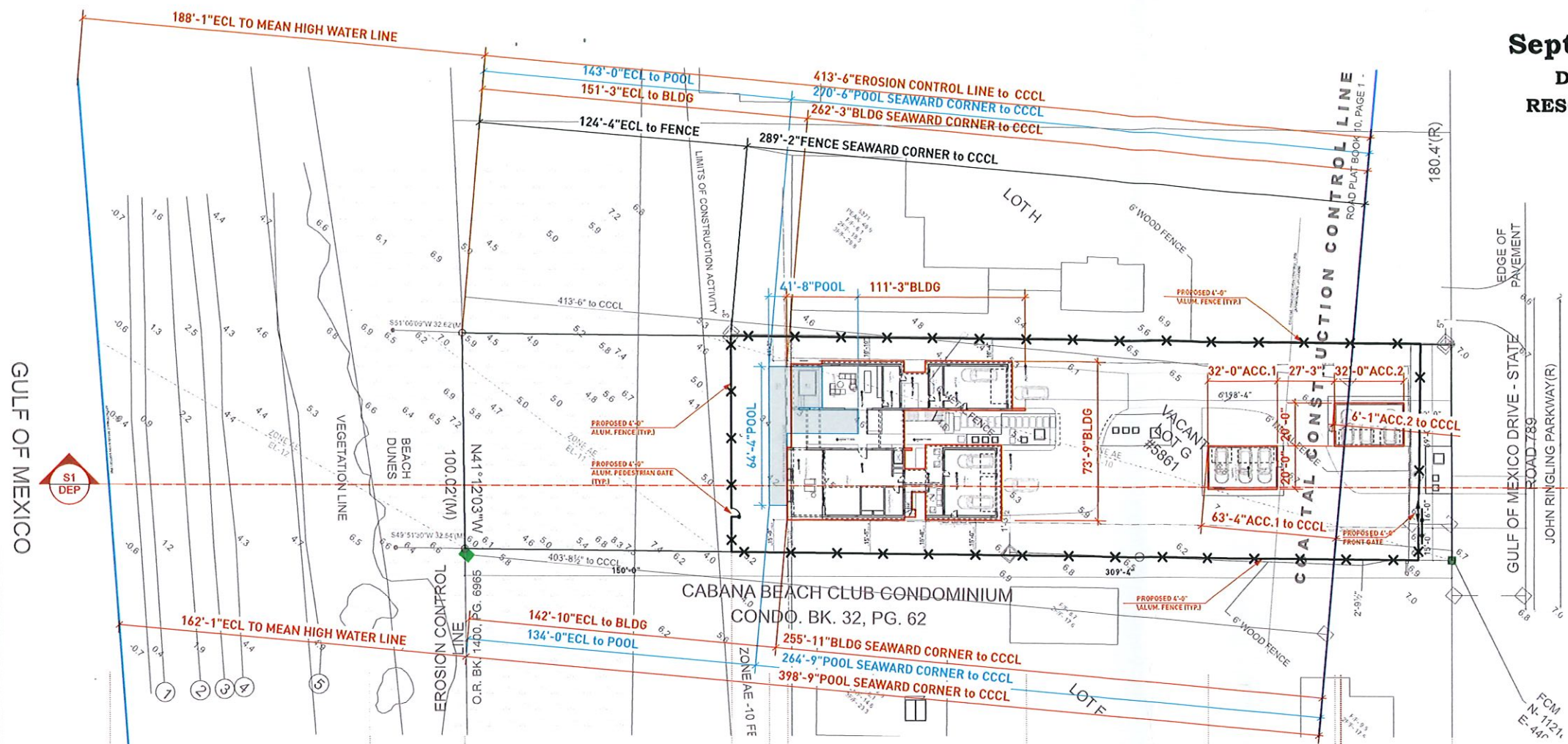


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MASON MARTIN

GULF OF MEXICO



I, Jeffrey L. Hostetler, hereby certify that this sketch represents that which is stated hereon.  
09-28-2021  
Jeffrey L. Hostetler, P.S.M.  
State of Florida License No. 4911  
jhostetler@floridaplanet.com  
This sketch is not valid without the signature and the official seal of the Florida Licensed Surveyor and Mapper.  
102 22nd ST. CT E. - BRADENTON - FLORIDA - 34208 - (941) 607-9337

NOTES:

GENERAL NOTES:

- ALL ACTIVITIES SEAWARD OF THE CCCL SHALL CONFORM TO GENERAL PERMIT - DEP 2-10-SEC. 62B-34.070 (5, A-E)
- ALL PLANT MATERIAL SHALL BE SPECIFIED AND FLORIDA #1 GRADE OR BETTER.
- TEMPORARY IRRIGATION SHALL BE UTILIZED UNTIL SUCH TIME AS PLANT MATERIAL IS FULLY ESTABLISHED AND THRIVING.
- ALL SAND FILL MATERIAL SHALL BE WHITE SAND WHICH IS SIMILAR TO THAT ALREADY ON SITE IN BOTH COLORATION AND GRAIN SIZE.
- SURVEY DATA FROM SURVEY BY JEFFREY L. HOSTETLER, PSM

GRADING NOTES:

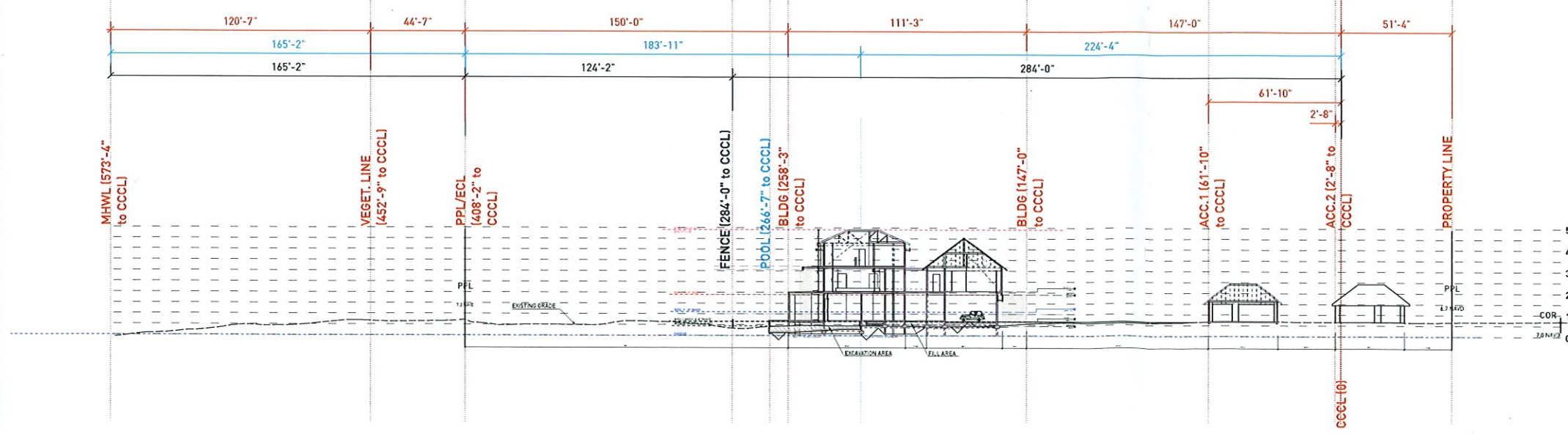
- VERTICAL DATUM: ALL EXISTING AND PROPOSED ELEVATIONS ARE BASED ON N.A.V.D. 1988 PER SURVEY.
- NO EXCAVATION LOSS: THIS PROJECT DOES NOT RESULT IN A NET LOSS OF EXCAVATION SEAWARD OF THE C.C.C.L.. ANY EXCAVATION SOILS WILL REMAIN SEAWARD OF THE C.C.C.L. IN THE PERMANENT FILL LIMITS AS SHOWN.
- STORAGE AND HANDLING OF FILL MATERIAL: FILL MATERIAL WILL BE PLACED DIRECTLY INTO THE WORK BY RUBBER TIED FRONT END LOADER OR OTHER SMALL GRADING EQUIPMENT WITH NO TEMPORARY STORAGE.
- GEOTECHNICAL DATA: GEOTECHNICAL DATA IS NOT PROVIDED FOR IMPORTED OR EXCAVATED SOIL SEAWARD OF THE FRONTAL DUNE SINCE NO SOIL PLACEMENT OR EXCAVATION IS PROPOSED SEAWARD OF THE FRONTAL DUNE OR ON THE SAND BEACH.
- STAGGING OF EXCAVATION DURING CONST. EXCAV. SANDS WILL BE STAGED BETWEEN THE EXISTING SEAWALL AND THE PROPOSED HOUSE LOCATION.

APPROVED PLAN AS PERMITTED  
BY THE DIVISION OF WATER RESOURCE MANAGEMENT  
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
APPROVED CONSTRUCTION AND ANY OTHER AUTHORIZED ACTIVITIES MUST  
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ACTIVITIES ARE STRICTLY LIMITED TO THOSE BOTH SHOWN ON THE APPROVED  
PLANS AND LISTED IN THE PROJECT DESCRIPTION. THIS PERMIT IS ISSUED  
PURSUANT TO CH. 161, F.S. AND OTHER PERMITS MAY BE REQUIRED.

Reviewed by  
Date

November 23, 2021

1 SITE PLAN - TOPOGRAPHIC  
Scale: 1" = 30'-0"



2 S1-DEP CROSS SECTION  
Scale: 1" = 30'-0"

FOR REVIEW - TO BE VERIFIED W/ STRUCTURAL

No.	Description	Date

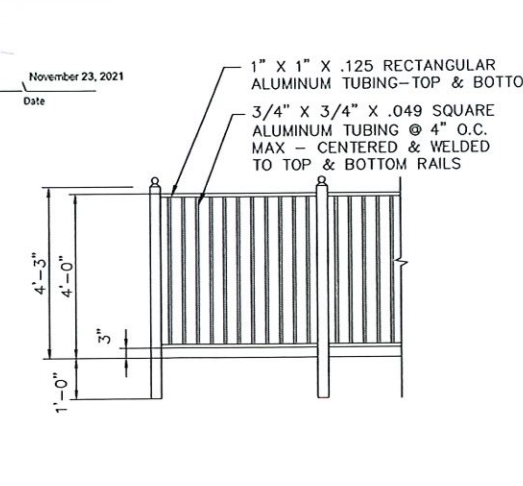
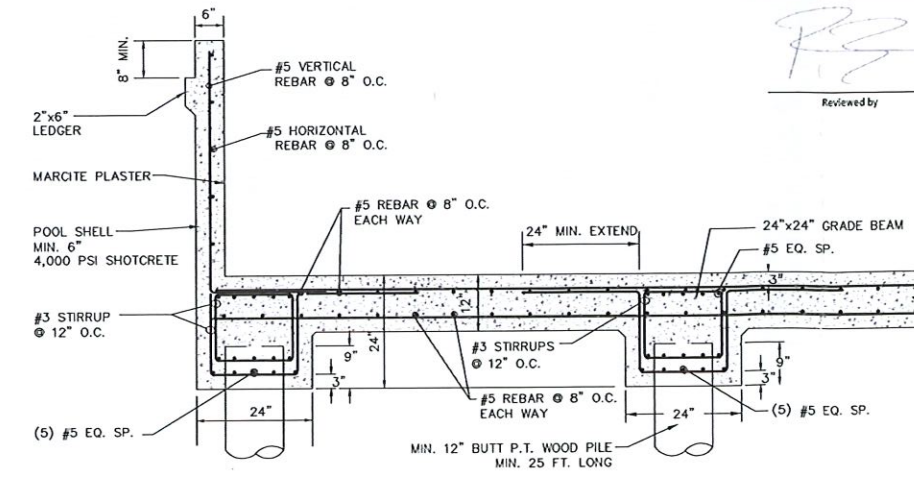
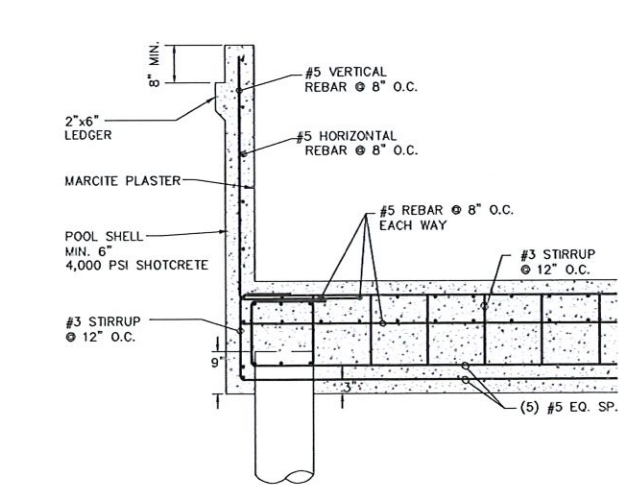
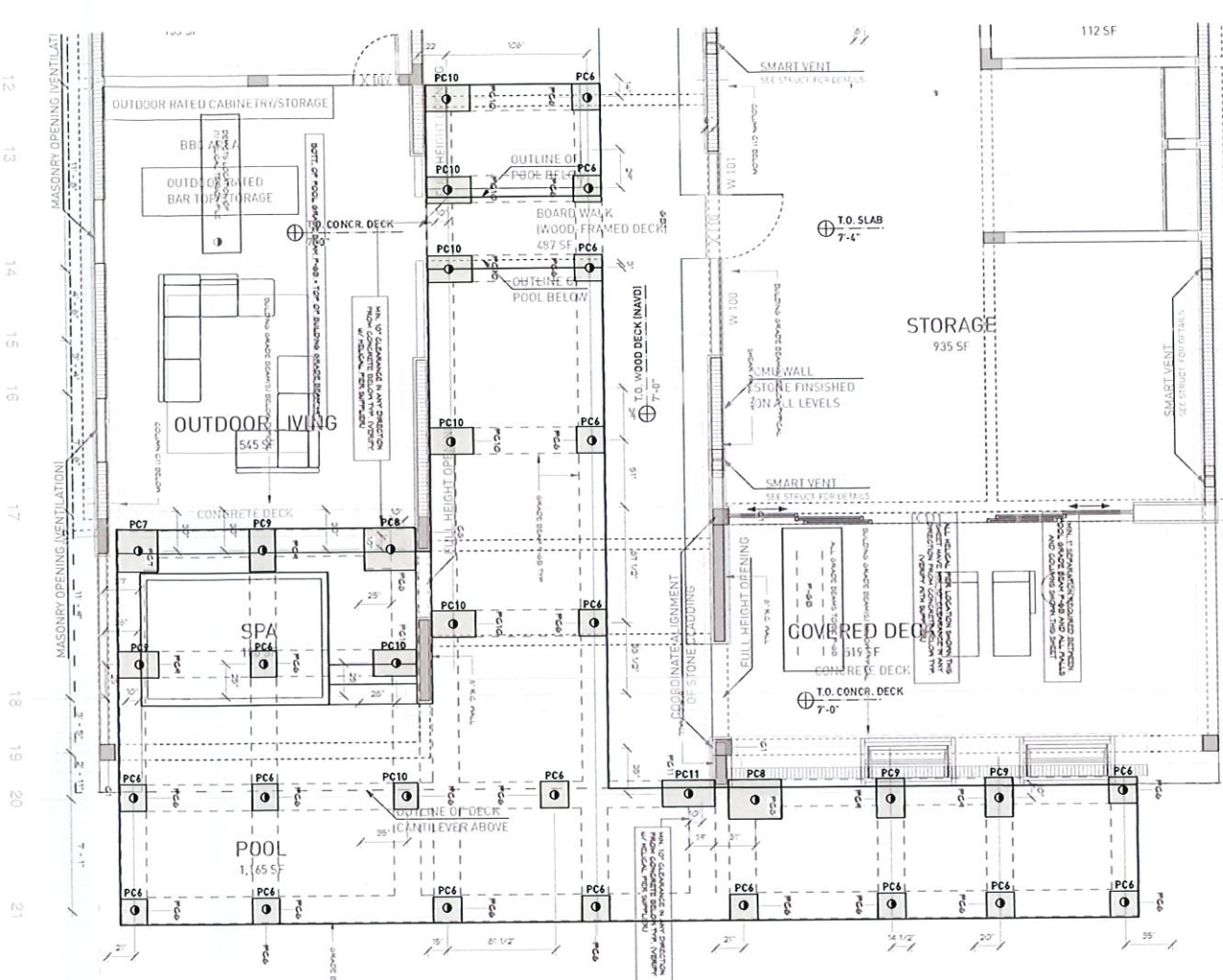
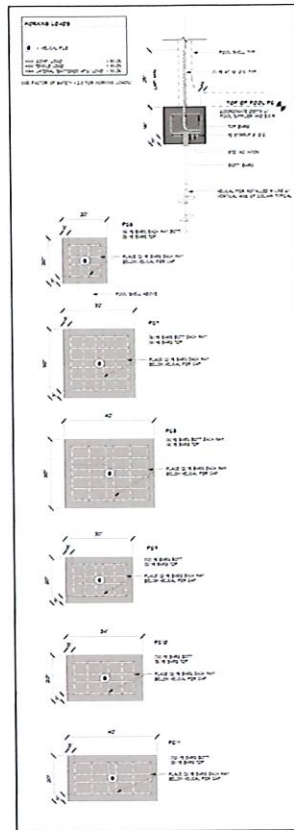
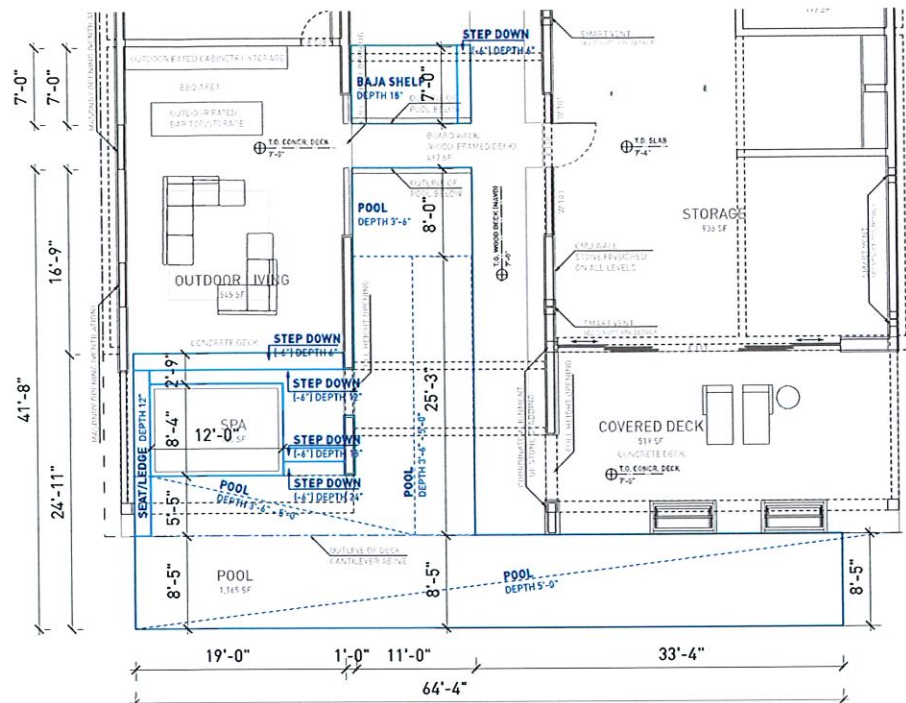
5861 GULF OF MEXICO DR  
LONGBOAT KEY, FL 34228

SITE PLAN  
DEP

PROJECT #: 2020/17  
SHEET DATE: 9/27/21  
DRAWN BY: MV

A 0.01\_DEP





**RECEIVED**  
**September 29, 2021**  
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**RESOURCE MANAGEMENT**  
**ME-1390**

**NOTES:**

**POOL CONSTRUCTION DETAIL BY OTHERS.**  
**CONCEPTUAL DESIGN FOR PERMIT ONLY.**

MIN. 1" SEPARATION REQUIRED BETWEEN POOL GRADE BEAM P-GB AND ALL WALLS AND COLUMNS SHOWN ON THIS SHEET.

ALL HELICAL PIER LOCATION SHOWN IN THIS SHEET HAVE MIN. 10" CLEARANCE IN ANY DIRECTION FROM CONCRETE BELOW TYP. (VERIFY WITH SUPPLIER).

ALL GRADE BEAMS TO BE P-GB.

BOTTOM OF POOL GRADE BEAM P-GB = TOP OF BUILDING GRADE BEAM +4".

● DEPICTS LOCATION OF (1) HELICAL TENSION PILE.

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BY THE DIVISION OF WATER RESOURCE MANAGEMENT  
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
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Reviewed by: *[Signature]* Date: November 23, 2021

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MASON MARTIN

VERIFIED W/ STRUCTURAL

Date	Description	No.

FOR REVIEW

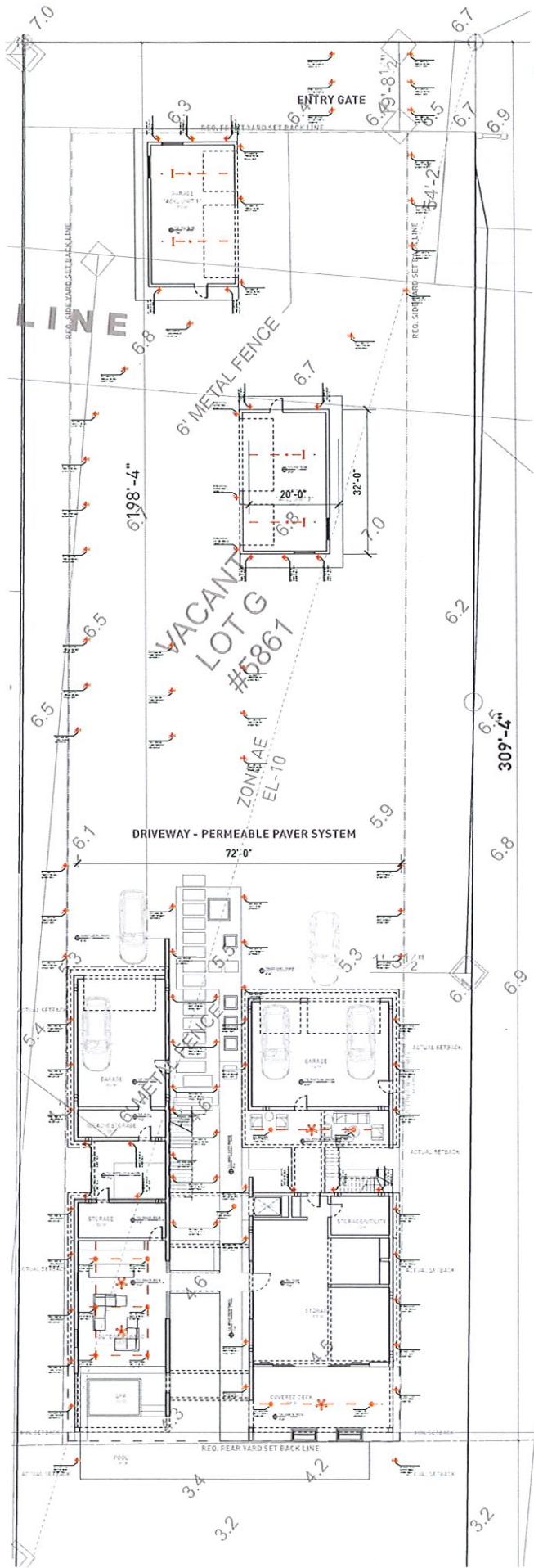
5861 GULF OF MEXICO DR  
LONGBOAT KEY, FL 34228

**POOL PLAN DEP**

PROJECT #: 2020/17  
SHEET DATE: 9/29/21  
DRAWN BY: MV

**A 0.2\_DEP**



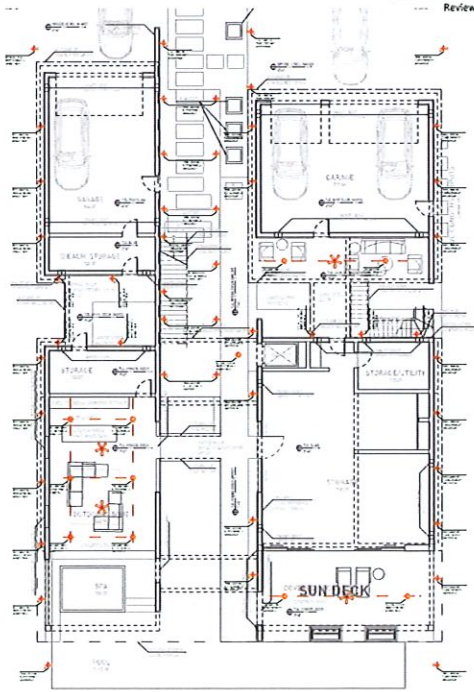


1 SCHEMATIC SITE PLAN  
Scale: 1/16" = 1'-0"

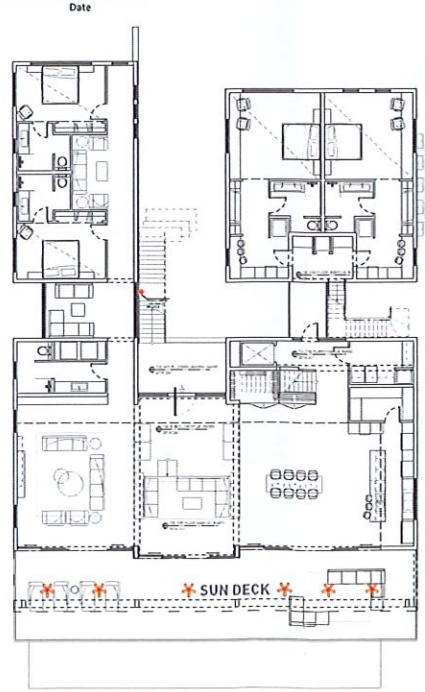
TURTLE LIGHT LEGEND					
SYMBOL	FIXTURE TYPE	QTY	MOUNT / HEIGHT	LEVEL	LOCATION
	CEILING FAN W/LIGHT, PREPARE FOR 75LB WEIGHT	4	CLG / 12'-6"	LVL 1	3 x BEACH SIDE (1 x in Courtyard)
	WALL MOUNT CYLINDER TURTLE LIGHT /AMBER BULB	4	WALL / 5'-0"	LVL 1	BEACH SIDE / LANDWARD
	5" REC. LIGHT W/ BLACK BAFFLE & TURTLE BULB	11	CLG / 12'-6"	LVL 1	BEACH SIDE / LANDWARD
	LOW VOLTAGE PATH LIGHT W/ AMBER FILM	95	FLOOR / GRADE LVL ALONG FENCE PORTIONS	GRADE	BEACH SIDE / LANDWARD
	CEILING FAN W/LIGHT, PREPARE FOR 75LB WEIGHT	5	CLG / 9'-10"	LVL 2	BEACH SIDE
	WALL MOUNT CYLINDER TURTLE LIGHT /AMBER BULB	1	WALL / 5'-0"	LVL 2	BEACH SIDE
	CEILING FAN W/LIGHT, PREPARE FOR 75LB WEIGHT	6	CLG / 9'-8"	LVL 3	BEACH SIDE
	WALL MOUNT CYLINDER TURTLE LIGHT /AMBER BULB	4	WALL / 5'-0"	LVL 3	BEACH SIDE

APPROVED PLAN AS PERMITTED  
BY THE DIVISION OF WATER RESOURCE MANAGEMENT  
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
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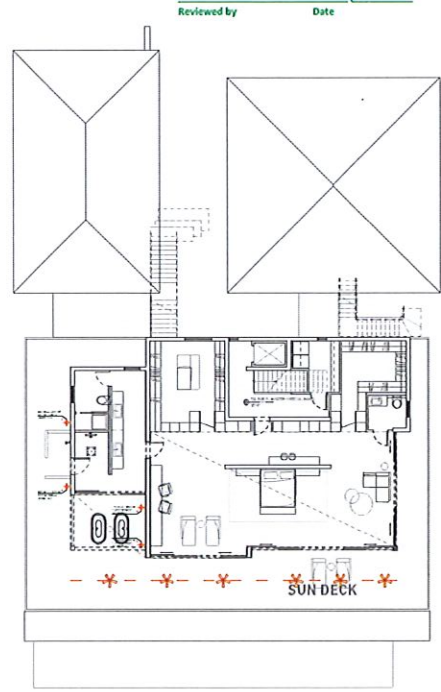
Reviewed by Date November 23, 2021



2 FLOOR PLAN LVL 1  
Scale: 1/16" = 1'-0"



3 FLOOR PLAN LVL 2  
Scale: 1/16" = 1'-0"



4 FLOOR PLAN LVL 3  
Scale: 1/16" = 1'-0"

### LED Retrofit

RTL/620WH/ECO/D  
12 Watt LED Retrofit Module with  
5'-6" White Reflector Trim

- Dimmable to 5%
- E26 medium base socket adapter included
- Compatible with most 5'/6" recessed housings

Item #	RTL/620WH/ECO/D-46
Product Code	70687
UPC Code	751538002692
Watts	12
Volts	120V, 50/60 Hz
Rated Hour Life	35,000
CRI	90
Color Temperature	2700K
Lumens	720
Warranty	5 years

Specifications are subject to change without prior notice.

Model	CL-7W-E26-590
Rate Power	7W/15%
Input Voltage	AC85-265V 50/60Hz
Light Color	Amber
Wavelength	500nm
Power Factor	>0.95
Lumens	80lm/15%
Lighting Source	LED 2835SMD
Operating Temp.	-40 ~ 60°C
Mounting	E26
Rated Life	Up to 50,000 Hrs.
LED LM80	Yes

Wildlife Lighting Certification  
Number: 2018-022

NAME: OMNI DIRECTIONAL LED BULB  
CAT. NO.: CL-7W-E26-590  
MANUF.: CYPRESS LIGHTING

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
APPROVED LIGHTING PLAN  
This approval is limited to the exterior lights depicted on  
the stamped plans. This approval does not relieve  
the applicant of the responsibility to obtain any other  
approvals or permits which may be required by Federal,  
State, County or Municipal law.

Reviewed by Date November 23, 2021

### LED Retrofit

RTL/620WH/ECO/D  
12 Watt LED Retrofit Module with  
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LED LM80	Yes

Wildlife Lighting Certification  
Number: 2018-022

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CAT. NO.: CL-7W-E26-590  
MANUF.: CYPRESS LIGHTING

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Reviewed by Date November 23, 2021

### NOTES:

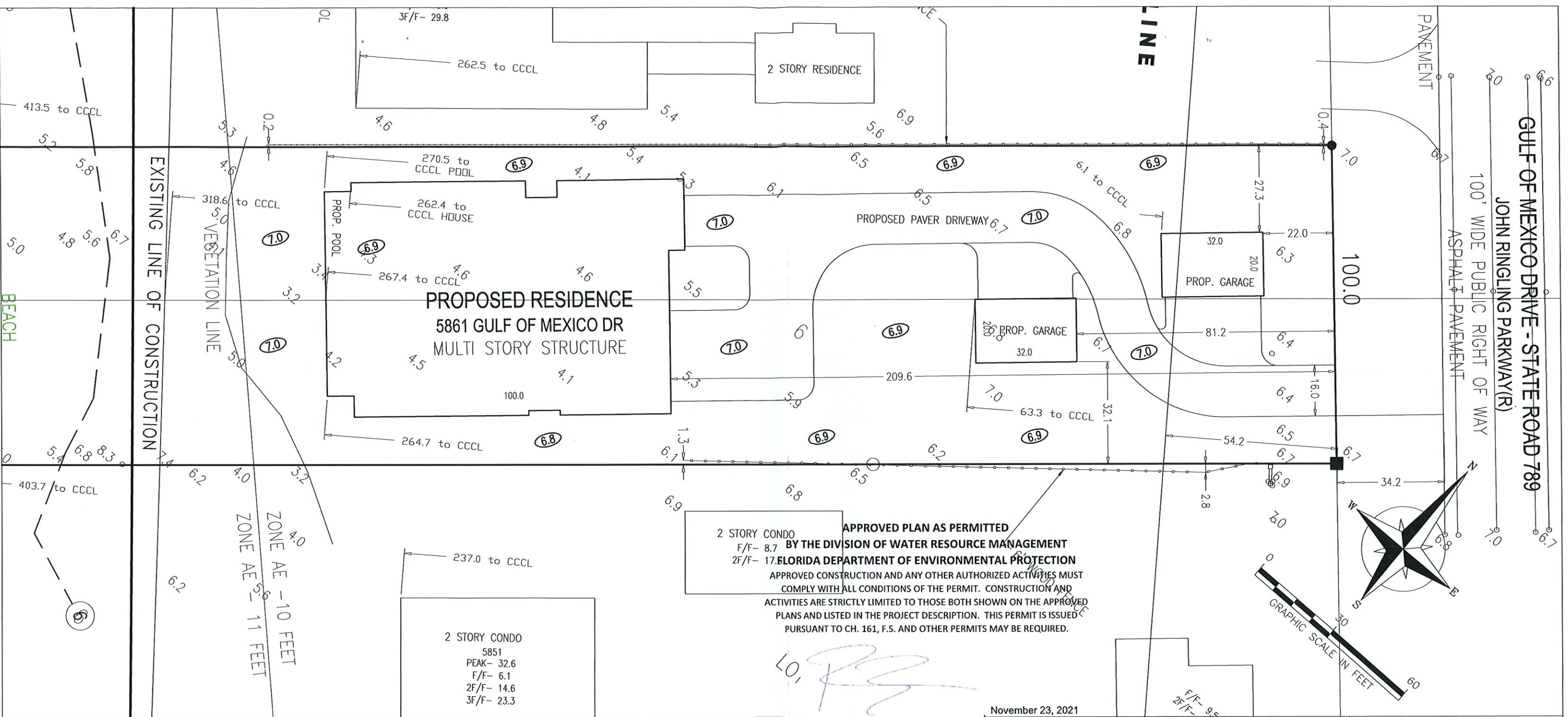
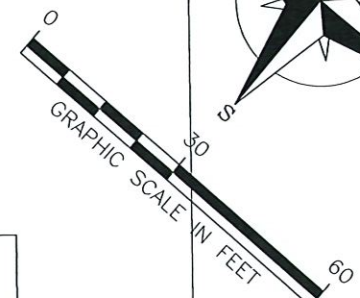
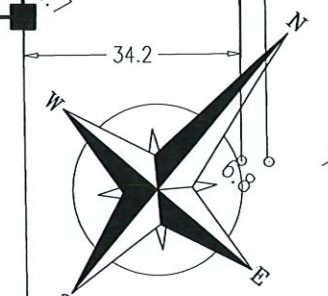
#### TURTLE LIGHT NOTES:

- NO LIGHT EMITTED ABOVE 90° ANGLE.
- ALL EXTERIOR LIGHTS TO BE SHIELDED, FULL CUT-OFF FIXTURES.
- ALL BULBS TO BE RED, ORANGE, AMBER LED, OR LOW-E PRESSURE SODIUM (LPS).
- MAX. VISIBLE LIGHT TRANSMITTANCE FROM INSIDE TO OUTSIDE IS LIMITED TO 45% (.45) FOR ANY BEACH FACING GLAZED OPENINGS.
- NOAS AND PRODUCT SPECIFICATIONS TO BE PROVIDED TO THE CITY FOR WINDOWS AND DOORS INDICATING COMPLIANCE WITH TURTLE LIGHTING TRANSMITTANCE ORDINANCE. SHOULD WINDOW AND DOOR SELECTIONS NOT MEET TURTLE LIGHTING TRANSMITTANCE ORDINANCE UPON INSPECTION, APPROVED GLASS FILM WILL BE APPLIED TO ALL APPLICABLE GLASS OPENINGS.
- APPLICABLE PROPOSED EXTERIOR LIGHTING FIXTURES SHALL BE COMPLIANT W/CITY CODE OF ORDINANCE, WHEN SELECTIONS ARE MADE BY THE OWNER. MAX. VISIBLE LIGHT TRANSMITTANCE FROM THE INSIDE TO OUTSIDE IS LIMITED TO 45% (.45) FOR ANY BEACH FACING GLAZED OPENINGS W/TURTLE LIGHTING.
- APPROVED GLASS FILM WILL BE APPLIED TO ALL APPLICABLE GLASS OPENING(S) AND THAT PROPOSED EXTERIOR LIGHTING 'OWNER-SELECTED-OPTIONS' WILL BE LIMITED TO ONLY THOSE COMPLIANT TO TOWN'S AND STATE'S CODE OR ORDINANCE.

ALL ELEVATIONS REFER TO THE NORTH AMERICA VERTICAL DATUM OF 1988 (NAVD88)



GULF OF MEXICO DRIVE - STATE ROAD 789  
JOHN RINGLING PARKWAY(R)  
100' WIDE PUBLIC RIGHT OF WAY  
ASPHALT PAVEMENT



APPROVED PLAN AS PERMITTED  
BY THE DIVISION OF WATER RESOURCE MANAGEMENT  
17.FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
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PURSUANT TO CH. 161, F.S. AND OTHER PERMITS MAY BE REQUIRED.

LO, [Signature]

November 23, 2021

Reviewed by

LEGEND:

- 5.0 EXISTING ELEVATION
- 7.0 PROPOSED ELEVATION

11 - GRADING PLAN  
5861 GULF OF MEXICO DRIVE  
ME - 1390

EXCAVATION AND FILL VOLUME TABLE SEAWARD OF CCCL			
DESCRIPTION	EXCAVATION VOLUME	FILL VOLUME	
SWIMMING POOL	124.0 C.Y.	0 C.Y.	
FOUNDATIONS	90 C.Y.	0 C.Y.	
YARD AREA	0 C.Y.	0 C.Y.	
TOTALS	0 C.Y.	TOTAL	214 C.Y. TOTAL

STORAGE AND HANDLING OF EXCAVATION AND FILL MATERIAL:  
NATIVE SOILS WILL BE EXCAVATED FOR CONSTRUCTION WITH A TRACKED BACK HOE AND HANDLED DIRECTLY TO THE PERMANENT FILL LIMITS AREA SHOWN IN THE PLANS VIA SMALL TRACKED FRONT END LOADER.

GEOTECHNICAL DATA FOR IMPORTED OR EXCAVATED SOIL SEAWARD OF THE FRONTAL DUNE:  
NOT APPLICABLE. NO SOIL PLACEMENT OR EXCAVATION IS PROPOSED SEAWARD OF THE FRONTAL DUNE OR ON THE SAND BEACH.

RECEIVED  
September 29, 2021  
DIVISION OF WATER  
RESOURCE MANAGEMENT  
ME-1390

- NOTES:
1. ALL GROUND ELEVATIONS AND GRADES ARE BASED ON N.A.V.D. 1988 FROM SURVEY BY ISLAND SURVEYING & MAPPING COMPANY.
  2. PROPERTY LIES IN FLOOD ZONES A10 AND V14
  3. THIS PROJECT DOES NOT RESULT IN A NET LOSS OF EXCAVATION SEAWARD OF THE C.C.C.L.. ALL EXCAVATED SOILS WILL REMAIN SEAWARD OF THE C.C.C.L. ON THE SITE.
  4. GRADING CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM EXISTING BUILDING AND ADJACENT RESIDENCES. ALL SPOIL FROM FOOTER EXCAVATION TO BE USED TO FILL VOIDS WHERE NEEDED AND THE SITE WILL BE FINAL GRADING WITHOUT REMOVING ANY SANDY SOILS FROM THE SITE.

I, Jeffrey L. Hostettler, hereby certify that this sketch represents that which is stated hereon.

Jeffrey L. Hostettler, P.S.M.  
State of Florida license No. 4911  
islandsurveying@gmail.com

This sketch is not valid without the signature and the original raised seal of a Florida licensed surveyor and mapper.

102 22nd ST. CT E. - BRADENTON - FLORIDA - 34208 - (941) 807-3597

REVISION DATE:

SKETCH DATE: 05-18-21

SCALE  
JOB No.



