

750.00'

291.02'

578'-0"

154'-0"

EXISTING  
RESIDENCE

PROPOSED  
POOL

101'-6"

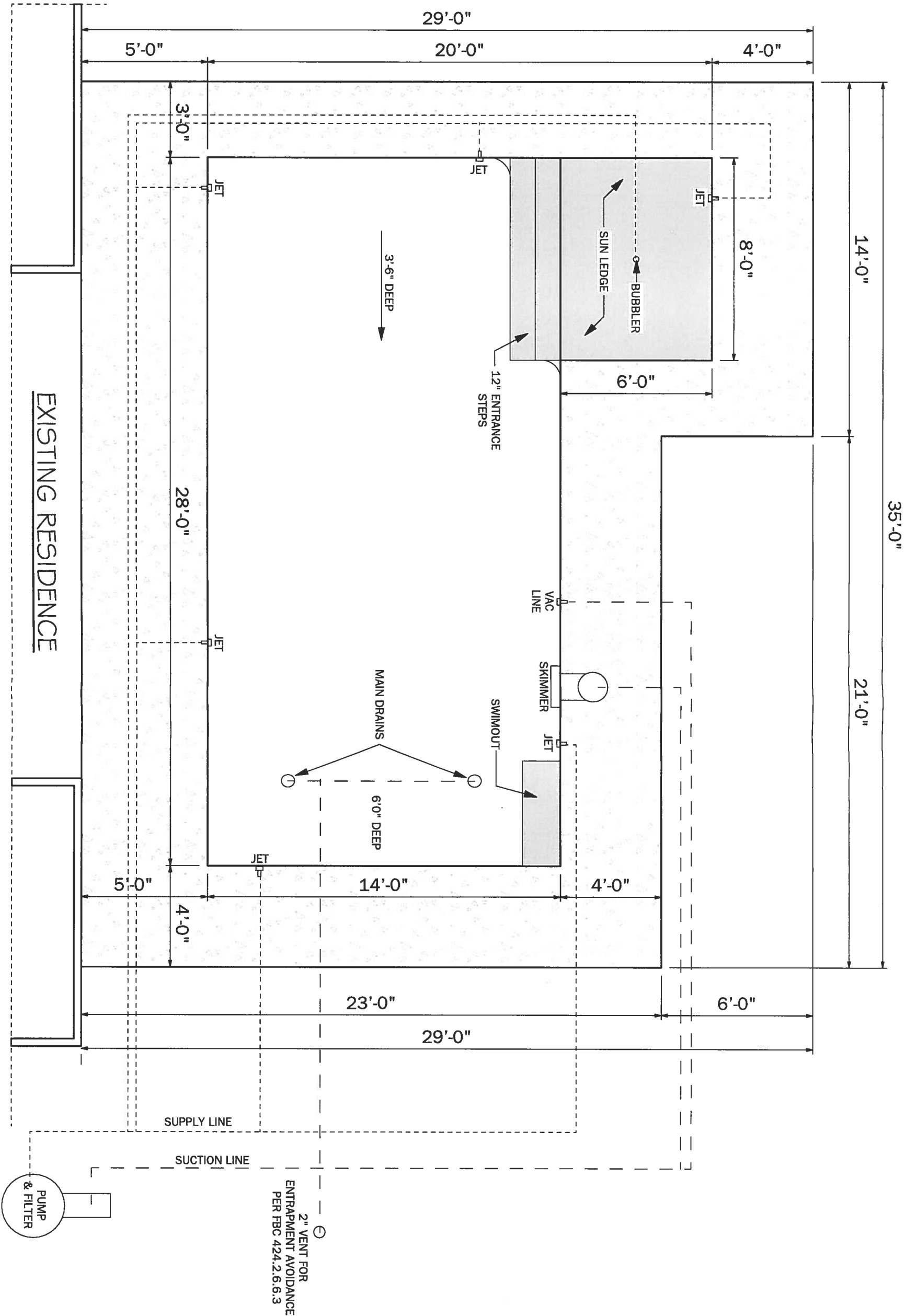
SW Tustenuggee Ave

Jackie & Carrie Patton  
9663 SW Tustenuggee Ave  
Lake City, FL  
LOT 1 MELISSA'S SECRET GARDENS S/D  
5.01 AC



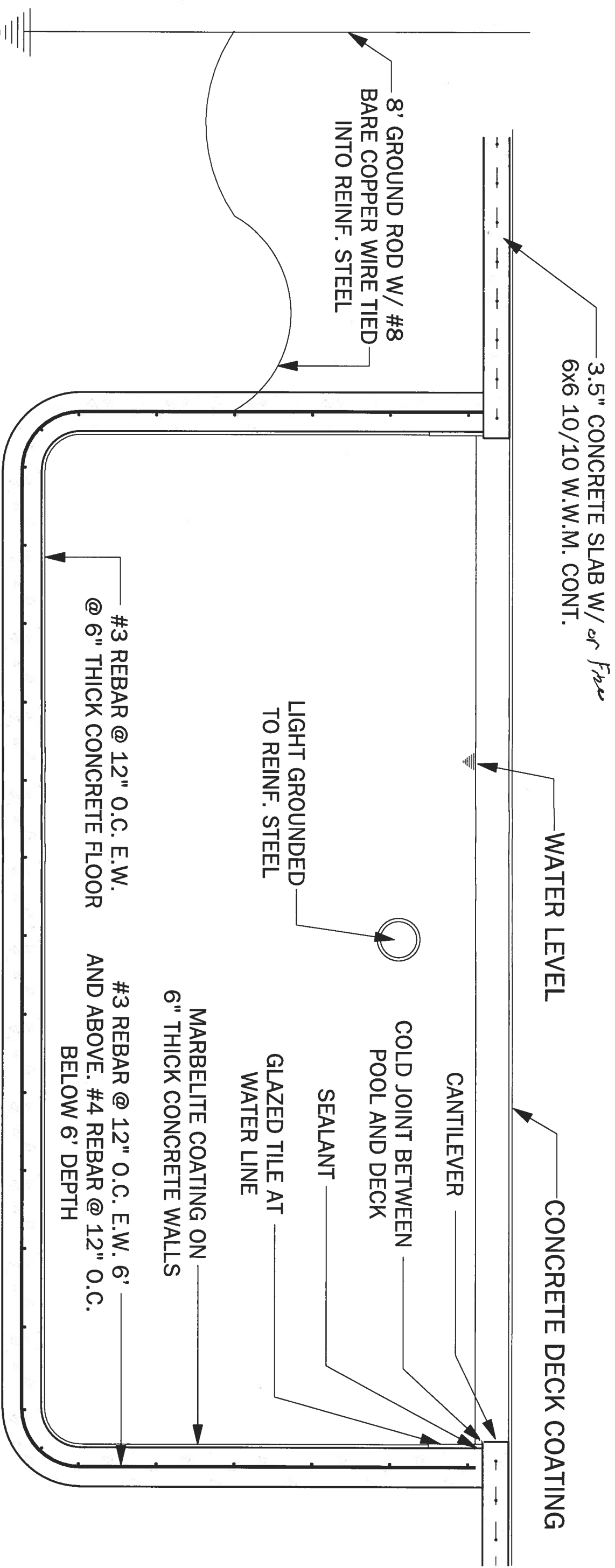
GRAPHIC SCALE

SITE PLAN  
SCALE: N.T.S.



# POOL LAYOUT

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



# TYP. POOL SECTION

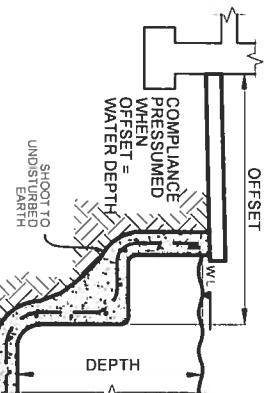
SCALE: 3/8" = 1'-0"

## N2



FBC NO LONGER REQUIRES EXCAVATIONS OUT OF THE "ANGLE OF REPOSE PLUS 1 FT". THE CURRENT REQUIREMENT IN 2017 FBC 6TH ED. SECTION 1804.1 STATES THAT "EXCAVATIONS SHALL NOT REMOVE LATERAL SUPPORT FROM ANY FOUNDATION." THEREFORE THE FOLLOWING IS REQUIRED:

1. WHEN THE POOL DECK DISTANCE IS EQUAL TO OR GREATER THAN THE POOL DECK DEPTH, NO MITIGATION OF THE SHELL STRUCTURE IS REQUIRED.

TYPICAL RESIDENTIAL POOL / SPA  
SCHEMATIC PLAN & NOTES

SCALE: N.T.S.

- WHEN THE POOL DECK DISTANCE IS EQUAL TO OR GREATER THAN WATER DEPTH, NO MITIGATION OF THE SHELL STRUCTURE IS REQUIRED. WHEN THE POOL DECK DISTANCE IS EQUAL TO OR GREATER THAN THE WATER DEPTH, THERE IS NO SHORING OR FOUNDATION SUPPORT INITIALLY REQUIRED.
- WHEN THE POOL DECK DISTANCE IS LESS THAN THE WATER DEPTH, THE ENGINEER SHALL PROVIDE A MITIGATION SPECIFICATION, EITHER TO PROTECT THE FOUNDATION DURING EXCAVATION OR STRENGTHEN THE SHELL FROM STRUCTURE LOADS.
- IF DURING EXCAVATION, SOIL CONDITIONS APPEAR TO LEAD TO LOSS OF FOUNDATION SUPPORT, THE CONTRACTOR SHALL CEASE EXCAVATION AND CONTACT THE ENGINEER FOR MITIGATION SPECIFICATIONS.
- IF AFTER EXCAVATION THE CONTRACTOR OR INSPECTOR FIND A LOSS OR THREATENED LOSS OF SOIL SUPPORT AT THE FOUNDATION, CONTACT THE ENGINEER FOR A MITIGATION SPECIFICATION.

FBC NO LONGER REQUIRES EXCAVATIONS OUT OF THE "ANGLE OF REPOSE PLUS 1 FT". THE CURRENT REQUIREMENT IN 2017 FBC 6TH ED. SECTION 1804.1 STATES THAT "EXCAVATIONS SHALL NOT REMOVE LATERAL SUPPORT FROM ANY FOUNDATION." THEREFORE THE FOLLOWING IS REQUIRED:

- This plan is schematic & piping shall be connected to provide a functioning system.

- pool piping shall hold a static water or air pressure not less than 35 psi for 15 minutes, per R4501.12.1
- tools shall have pumps selected to provide minimum 12 hr. turnover & maximum 6 hour turnover.
- determine pipe sizing from attached work sheets.
- spa piping determined from attached work sheets.
- the dual main drains shall have a minimum separation of 3 ft, unless one is located on the vertical wall or a single unblockable drain is used.
- all suction covers shall meet ANSI/ASME A112.19.8-2007
- all piping shall be NSF-IPW approved & meet the requirements of Florida Building Code 6TH Ed, 2017.
- electrical equipment, wiring, & installation shall conform to the National Electrical Code 2014 Edition.
- bonding of pool steel & light to footing steel shall be continued to & include all pumps & heaters.
- temporary fencing shall be installed & maintained until permanent child safety features are installed.
- there shall be a passing electrical & child safety final inspection prior to filling the pool or spa with water.
- pool shall meet the applicable criteria in ANSI/APSP 3.4,5,6, 7 & 15 standards.
- regardless of the criteria here, the project shall comply with all sections of the FBC 6th Edition - Residential, Building, Mechanical, Plumbing & Gas Codes, as applicable respectively & amended.

SEE INFORMATION ATTACHED TO THIS PERMIT  
PACKAGE FOR SITE SPECIFIC DETAILS SHOWING ANSI 7  
& 15 AND FBC COMPLIANCE

FORMATION ON THIS SHEET COMPLIES WITH 6TH ED 2017 FBC, VOLUMES, INCLUDING 2017 FBC ENERGY CONSERVATION CODE

## Aquascapes Pool & Spa



3990 SR 64 E., Bradenton, FL 34208  
Office: 941-749-0311, Fax: 941-746-7399  
kent@kimesengineering.com  
P.E. 33678, C.A. 27189

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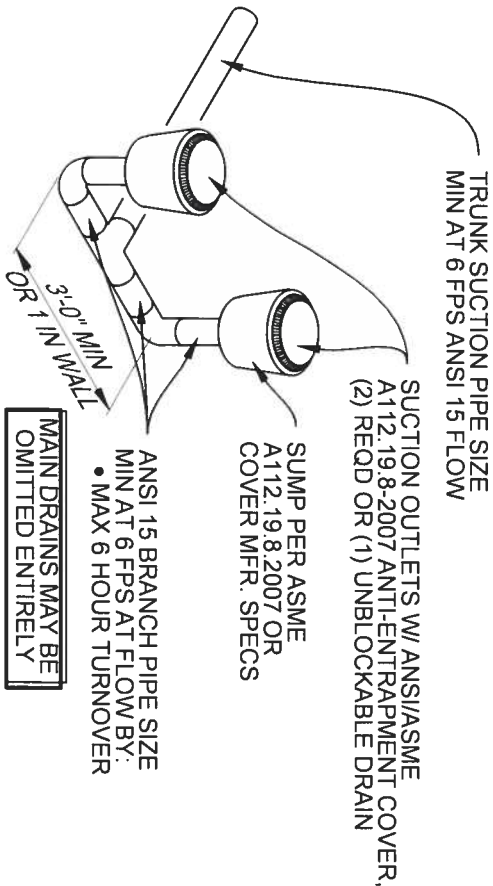
27-19	LIMITS ON STRUCTURE ADJUSTMENTS
TITLE:	REVISIONS:
WG. BY:	MCM PRINTED: 27-Feb-19 NO 20618
KD. BY:	JKK SCALE: AS NOTED
TE:	27-Feb-19

21

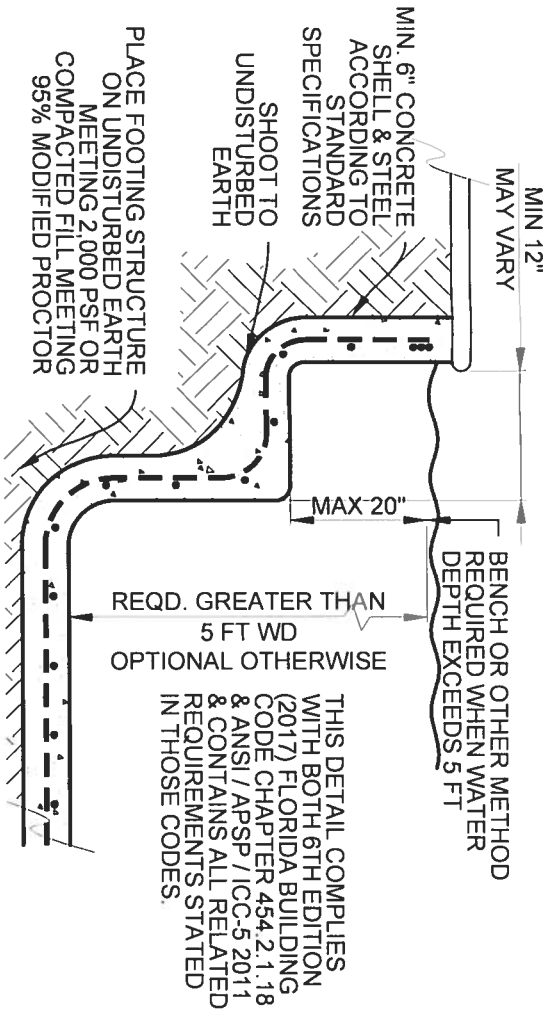
RIG. DWG: 17"x11" (ANSI B)



1

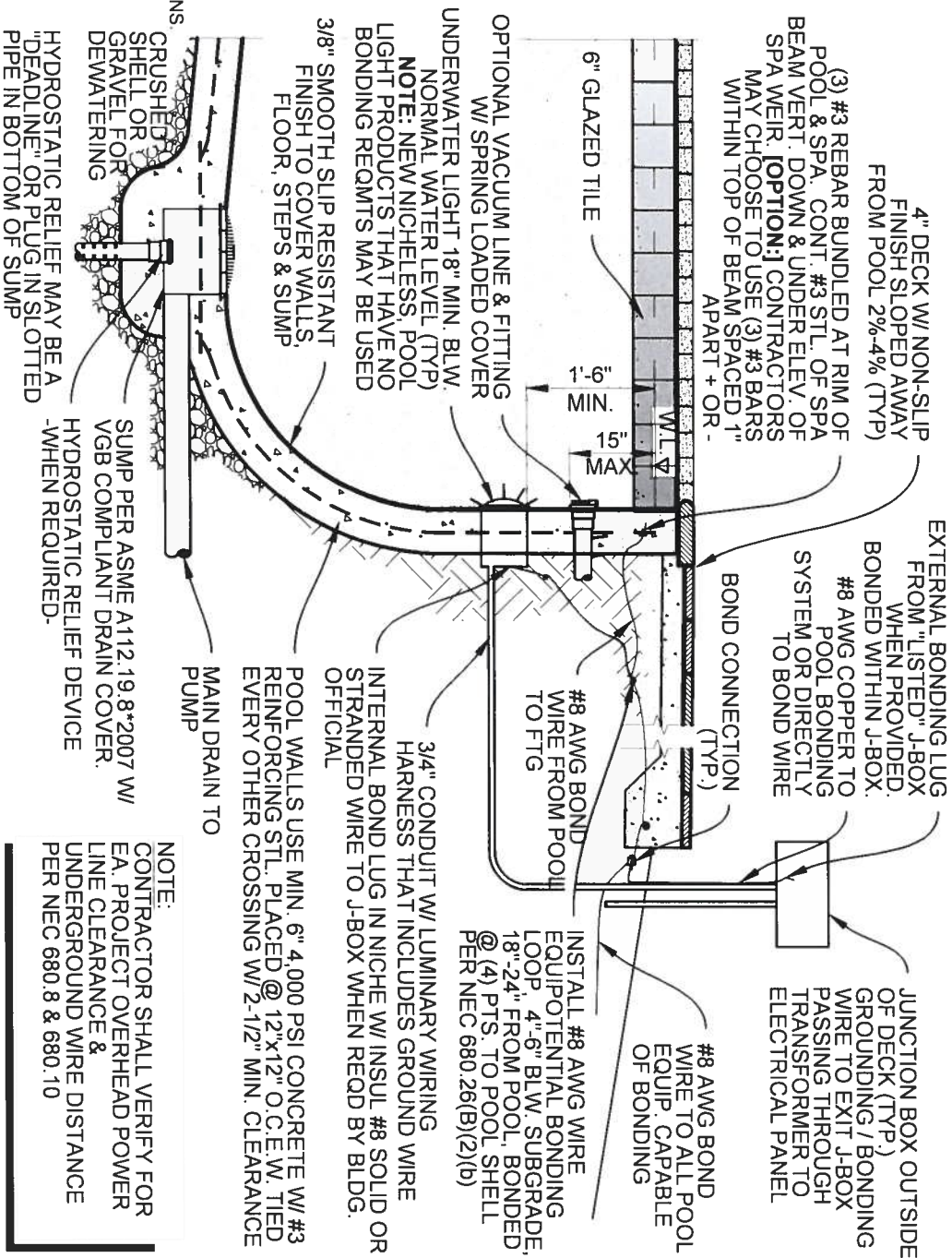


2



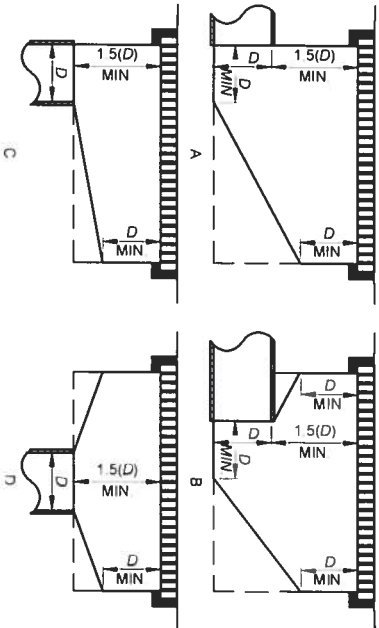
## TYPICAL RESIDENTIAL BENCH SECTION

SCALE: N.T.S.



## POOL BEAM (8"x12" OPTION)

SCALE: N.T.S.



GENERAL NOTES:  
a. D = INSIDE DIA. OF PIPE  
b. ALL DIMENSIONS SHOWN ARE MINIMUMS  
c. ALL HIDDEN LINES INDICATE SUGGESTED SUMP CONFIGURATIONS.

NOTES:  
• FIELD BUILD SUMPS MEETING THESE CRITERIA REQD WHEN  
MFR POTS NOT USED  
• MAY OMIT IF LISTED COVER DOCUMENTATION STATES  
OTHER CLEARANCE TO SUCTION PIPE REQD

## SUMP SECTIONS PER ASME A112.19.8-2007

SCALE: N.T.S.

1

## POOL DEEP END SECTION

SCALE: N.T.S.

2



## NOTE

1. APPROVED PRODUCT SPECIFICATION MAY DIFFER FROM FIELD BUILT SUMPS SHOWN ON THIS PAGE

## ADDITIONAL STRUCTURAL NOTES

- Use minimum ASTM A815 Grade 40 Steel
- Lap #3 bars minimum 15"
- Lap #5 bars minimum 25"
- 6" Shell thickness and 2-1/2" concrete coverage are minimums
- Use 4,000 psi concrete
- Contractor / Owner required to:
  - Contact Engineer if pool not placed on undisturbed and de-watered earth that can meet 2,000 psf bearing capacity.
  - When buried debris is encountered or questionable conditions are indicated at the work site prior / during construction, a subsurface consultant shall conduct boring(s) in the area of the pool to confirm soil bearing capacity, clear of buried debris, & verifying ground water level
  - All modified soils & earth fill under perspective pool area shall meet a soil density and compaction minimum of 95% modified proctor without settlement.

INFORMATION ON THIS SHEET COMPLIES WITH 6TH ED 2017 FBC, ALL VOLUMES, INCLUDING 2017 FBC ENERGY CONSERVATION CODE

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DATE:	REVISIONS:	ADDED BY:	DATE:
02-27-19	LIMITS ON STRUCTURE ADDRESS	KENT	02-27-19
DWG. BY:	MCM	PRINTED: 27-Feb-19	
CHKD. BY:	JKK	SCALE: AS NOTED	
DATE:	27-Feb-19		

## TYPICAL PLAN & SECTIONS FOR RESIDENTIAL POOL/SPA

S2

SHEET OF

ORIG. DWG: 17"x11" (ANSI B)