

DATE 06/11/2009

Columbia County Building Permit

PERMIT

This Permit Must Be Prominently Posted on Premises During Construction

000027873

APPLICANT ROBERT A. MILNER PHONE 386.292.9295
ADDRESS 931 NW SAVANNAH CIRCLE LAKE CITY FL 32055
OWNER LOUIS T. SPELL PHONE 386.755.3869
ADDRESS 1050 NW MORRELL DRIVE WHITE SPRINGS FL 32096
CONTRACTOR ROBERT A. MILNER PHONE 386.292.9295
LOCATION OF PROPERTY 41-N TO LASSIE BLACK,TR TO MORRELL DR,TL FOLLOW TO END ON L
JUST BEFORE NW MANSFIELD DR ON L TO THE END.
TYPE DEVELOPMENT SWIMMING POOL ESTIMATED COST OF CONSTRUCTION 31900.00
HEATED FLOOR AREA TOTAL AREA HEIGHT STORIES
FOUNDATION WALLS ROOF PITCH FLOOR
LAND USE & ZONING A-3 MAX. HEIGHT
Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00
NO. EX.D.U. 1 FLOOD ZONE DEVELOPMENT PERMIT NO.

PARCEL ID 10-2S-16-01581-002 SUBDIVISION
LOT BLOCK PHASE UNIT 0 TOTAL ACRES 42.00

CPC1456862
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
EXISTING X-09-169 RTJ N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: NOC ON FILE.

Check # or Cash 1006

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power Foundation Monolithic
date/app. by date/app. by date/app. by
Under slab rough-in plumbing Slab Sheathing/Nailing
date/app. by date/app. by date/app. by
Framing Insulation
date/app. by date/app. by
Rough-in plumbing above slab and below wood floor Electrical rough-in
date/app. by date/app. by
Heat & Air Duct Peri. beam (Lintel) Pool
date/app. by date/app. by date/app. by
Permanent power C.O. Final Culvert
date/app. by date/app. by date/app. by
Pump pole Utility Pole M/H tie downs, blocking, electricity and plumbing
date/app. by date/app. by date/app. by
Reconnection RV Re-roof
date/app. by date/app. by date/app. by

BUILDING PERMIT FEE \$ 160.00 CERTIFICATION FEE \$ 0.00 SURCHARGE FEE \$ 0.00
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ CULVERT FEE \$ TOTAL FEE 210.00
INSPECTORS OFFICE CLERKS OFFICE

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

Columbia County Building Permit Application

*1006

For Office Use Only Application # 0906-21 Date Received 6/9 By JN Permit # 22823
 Zoning Official BLK Date 11.06.09 Flood Zone N/A Land Use A-3 Zoning A-3
 FEMA Map # N/A Elevation N/A MFE N/A River N/A Plans Examiner RG Date 6/9/09
 Comments _____
☐ NOC ☒ EH ☒ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel # _____
☐ Dev Permit # _____ ☐ In Floodway ☐ Letter of Auth. from Contractor ☐ F W Comp. letter _____
 IMPACT FEES: EMS _____ Fire _____ Corr _____ Road/Code _____
 School _____ = TOTAL 0

Septic Permit No. 1-09-169 Release in Box Fax (386) 755-9860
 Name Authorized Person Signing Permit Robert A. Milner Phone (386) 292-9295
 Address 931 N.W. Savannah Cir, Lake City, FL 32055
 Owners Name LOUIS T. SPELL Phone (386) 755-3869
 911 Address 1050 Movell dr, White Springs, FL 32096
 Contractors Name Robert A. Milner Phone (386) 292-9295
 Address 931 N.W. Savannah Circle, Lake City, FL 32055
 Fee Simple Owner Name & Address - SAME -
 Bonding Co. Name & Address N/A
 Architect/Engineer Name & Address WAYNE BENNETT, 265 S. FED. HWY., DEERFIELD BCH, FL 33441
 Mortgage Lenders Name & Address NONE

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progress Energy

Property ID Number 10-25-16-01581-002 Estimated Cost of Construction \$31,900.⁰⁰

Subdivision Name _____ Lot _____ Block _____ Unit _____ Phase _____

Driving Directions FROM DOWNTOWN Lake City take 41 north to 5.2 miles past I-10
to HWY 246 Right 1.7 miles to Movell rd left, Around S Curve to
Brick columns & Iron Gate on Left to house Number of Existing Dwellings on Property 1

Construction of Concrete Pool + Concrete decking Total Acreage 42 Lot Size _____Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height _____Actual Distance of Structure from Property Lines - Front 400' Side 980' Side 240' Rear 1060' +Number of Stories 7 Heated Floor Area _____ Total Floor Area _____ Roof Pitch _____

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

JW left message for Bob: 6.10.09

Columbia County Building Permit Application

TIME LIMITATIONS OF APPLICATION : An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.


TIME LIMITATIONS OF PERMITS: Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment: According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE: YOU ARE HEREBY NOTIFIED as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

OWNERS CERTIFICATION: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning. I further understand the above written responsibilities in Columbia County for obtaining this Building Permit.


Owners Signature

CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit including all application and permit time limitations.

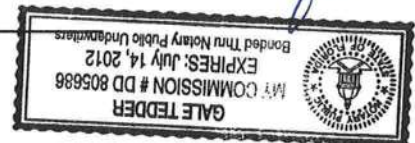

Contractor's Signature (Permitee)

Contractor's License Number CPC 1456862
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 9th day of June 2019.
Personally known _____ or Produced Identification DL


State of Florida Notary Signature (For the Contractor)

SEAL:





COLUMBIA COUNTY BUILDING DEPARTMENT

135 NE Hernando Ave., Suite B-21

Lake City, FL 32055

Office: 386-758-1008 Fax: 386-758-2160

Application Number _____

NOTICE TO SWIMMING POOL OWNERS

I LOUIS T SPELL have been informed and I understand that prior to the final inspection approval and use of my pool, I will need all the inspections approved and the required fencing installed in accordance with applicable regulations. The Florida Building Code Chapter 4 Section 24 requires private residential swimming pools, hot tubs, or non-portable spas containing water over 24 inches deep to meet the following pool barrier safety feature requirements:

- The pool access must be isolated by a barrier at least 4 feet high and installed around the perimeter of the pool. Unless the pool is equipped with a safety cover complying with the specifications of American Society for Testing and Materials standard F-1346-91.
- The barrier shall not have any gaps or openings which would allow a child to crawl under, squeeze through or climb over and must be placed no less than 20 inches from the water's edge.
- Gates located in the pool barrier must open outward away from the pool and be both self-closing and self latching, with a release mechanism not less than 54" above the standing surface at the gate.
- The barrier must be separate from any other fence, wall, or other enclosure surrounding the yard unless the fence, wall or other enclosure or portion thereof is situated on the perimeter of the pool and meets the pool barrier requirements.
- Where a wall of a dwelling serves as part of the barrier **one** of the following shall apply:
 - 1) All doors and first floor windows with a sill height of less than 48 inches providing direct access from the home to the pool must be equipped with an alarm that has a minimum sound pressure rating of 85 decibels at 10 feet. The alarm shall sound immediately upon opening the window or door unless the temporary bypass mechanism is activated.
 - 2) **Or;** all doors providing direct access from the home to the pool must be equipped with a self-closing, self-latching device with a release mechanism located at least 54 inches above the floor.

According to Florida statutes, failure to comply with these requirements is a misdemeanor of the second degree, punishable by imprisonment for up to 60 days or a fine of up to \$500, except that no penalty shall be imposed if within 45 days after arrest or issuance of a summons or notice to appear, the pool is equipped with the aforementioned safety features and the responsible person attends a drowning prevention education program developed by the Florida Department of Health. I also understand that there are several inspections required in addition to a final inspection for my swimming pool.

Owner Signature Date

Address: 1050 MORRELL DR. WHITE SPRINGS, FL. 32096

Contractor Signature / Date

C.P.C. 1456862



COLUMBIA COUNTY BUILDING DEPARTMENT

135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Office: 386-758-1008 Fax: 386-758-2160

SWIMMING POOL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2004

REQUIREMENTS FOR SITE BUILT POOLS. (2 Sets of plans with engineering is required to be submitted for each permit.)

- ☒ 1. Site-Plan showing the location of the pool and the distance from each property line, include structures and the distance from the pool.
- ☒ 2. Reinforcement, thickness and type concrete, depth limits, details of built in steps, footings on decks, for both pools and hot tubs or whirlpools.
- ☒ 3. Piping detail for drains, suction inlet locations, skimmers and re-circulation lines.
- ☒ 4. Entrapment protection device. (Manufacturer and Model)
- ☒ 5. Back-up vacuum relief device or means.
 - A. Approved vacuum release system. (Manufacturer and Model)
 - B. Approved vent piping.
 - C. Other approved devices or means.
- ☒ 6. Diameter and depths of proposed pool relative to adjacent foundations of other structures and any retaining walls and/or finished grades and slopes. If pool falls in the angle of repose of any existing foundation, additional engineering shall be provided indicating how the foundation shall be maintained.
- ☒ 7. Distance of any glass adjacent to the pool edge and distance from walking surface to bottom edge of glass. (As per FBC 2004 section 2405.2 any glass within 60" of the waters edge and within 60" of the walking surface on the pool side of the glazing shall be tempered.)
- ☒ 8. All accessories to the pool such as ladders, slides, diving boards etc. that are proposed.
- ☒ 9. Location of existing electrical outlets and fixtures and the proposed receptacle within the pool area.
- ☒ 10. Location and type of all proposed pool equipment, electric and gas service.
- ☐ N/A 11. Will pool or spa have a heater and will it be gas or electric? (If gas provide layout and sizing of gas lines.)
- ☒ 12. Show detail of how POOL BARRIER REQUIREMENTS, FBC Section 424.2.17, shall be met on this specific pool.
- ☒ 13. NOTICE TO SWIMMING POOL OWNERS - Include this form signed by the owner and the contractor.

REQUIRED INSPECTIONS:

GROUND: Set-backs from property lines, distance from existing foundations, pool shell structure, bonding of all metal parts, electrical rough-in, main drains and associated piping, distance to glazing.

DECK: Slab reinforcement and deck drains, bonding of all metal equipment and parts, lighting, including potting compound, electrical deck box, suction and return piping under minimum pressure test.

FINAL: Location and installation of all equipment, Barrier requirements as per plan, Electrical receptacles and finished electric hook-ups, Completed piping and valve system. Gas heaters installed and connected to gas lines (if applicable).

Owner / 5/30/09
date

Robert A. Milno / 5/30/09
Contractor date

OUTBACK POOLS
931 SAVANNAH CIRCLE
LAKE CITY, FL 32055

NCEMENT

PERMIT NUMBER:

NOTICE OF COMMENCEMENT

The undersigned hereby given notice that improvement will be made Florida statutes the following information is provided in the Notice of

1. DESCRIPTION OF PROPERTY (Legal description and street address)
 SUBDIV /SECTION _____ BLOCK _____

Total Land
 Area

40.260 ACRES

Description

BEG SW COR OF NE1/4 OF SE1/4, RUN N 1322.82 FT, E 1241.03 FT S 1519.83 FT, E APPROX 92 FT TO SEC LINE, S APPROX 60 FT, W APPROX 194.54 FT, N 255.29 FT, W 1137.83 FT TO POB & COMM SW COR OF SEC 1-2S-16, RUN E 1323.94 FT TO W LINE OF MORRELL RD, N 1126.61 FT, W 1472.72 FT, N 80.63 FT FOR POB W 472.79 FT, N 174.66 FT, E 472.94 FT, S 174.66 FT TO POB (JOINS RE# 01593-002) ORB 1147 -1778

2. GENERAL DESCRIPTION OF IMPROVEMENT: CONST. OF CONC. POOL/WATERFALL/CONCRETE

3. OWNER INFORMATION:

a. Name LOUIS T. SPELLb. Mailing Address 1050 MOVIELL DR., WHITE SPRINGS, FL 32096c. interest in property ownerd. Name and address of fee simple titleholder (if other than owner) owner

4. CONTRACTOR'S NAME, ADDRESS AND PHONE NUMBER: OUTBACK POOLS & WATERFALLS, INC.
931 N.W. SAVANNAH CIRCLE, LAKE CITY, FL 32055

5. SURETY'S NAME, ADDRESS AND PHONE NUMBER AND BOND AMOUNT: N/A

6. LENDER'S NAME, ADDRESS AND PHONE NUMBER: N/A

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13 (1)(a) 7., Florida Statutes:

NAME, ADDRESS AND PHONE NUMBER: N/A

8. In addition to himself or herself, Owner designates the following to receive a copy of the Lienor's Notice as provided in Section 713.13 (1)(b), Florida Statutes:

NAME, ADDRESS AND PHONE NUMBER: N/A

9. Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified) —, —, 20 —

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

Signature of Owner or

Owner's Authorized Officer/Director/Partner/Manager

LOUIS T. SPELL

Print Name of Owner or Owner's Authorized Officer
 and Provide Signatory's Title/Office

State of Florida

County of Columbia

The foregoing instrument was acknowledged before me this 30TH day of MAY, 20 09

By LOUIS T. SPELL

(Printed name of person signing above)

(Type of authority...e.g. Owner, officer, trustee, attorney in fact)

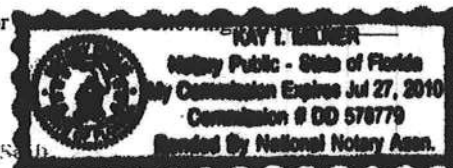
For OUTBACK POOLS & WATERFALLS, INC.(Name of party on behalf of whom instrument was executed) Personally Known ☒ or

KAY I. MILNER

(Printed Name of Notary Public)

Kay I. Milner

(Signature of Notary Public)



Under penalties of perjury, I declare that I have read the foregoing and that the facts in it are true to the best of my knowledge and belief (section 92.525, Florida Statutes).

Signature(s) of Owner(s) or Owner(s)' Authorized Officer/Director/Partner/Manager who signed above:

By: ☒

(Signature)

By LOUIS T. SPELL

(Printed Name)

This Instrument Prepared By:
Michael H. Harrell
Abstract & Title Services, Inc.
283 NW Cole Terrace
Lake City, Florida 32055
ATS# 16444

Inst:2007009799 Date:05/01/2007 Time:15:42
Doc Stamp-Deed : 3027.50
DC, P. Dewitt Cason, Columbia County B:1118 P:42

GENERAL WARRANTY DEED

Individual to Individual (or Corporation/LLC)

This Warranty Deed made this 27th day of April, 2007 by

Frank Perrone, and his wife, Angela Perrone

hereinafter called the Grantor, to

Louis T. Spell, and his wife, Rhonda Spell

whose post office address is 10032 E. Fowler Avenue, Thonotosassa, FL 33592, hereinafter called the Grantee.

(Wherever used herein the terms "Grantor" and "Grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of Individuals, and the successors and assigns of Corporation.)

The Grantor, for and in consideration of the sum of \$10.00 and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, unto the Grantee all that certain land, situate in Columbia County, Florida, viz: TAX ID: R01581-002 & R01593-002 :

See Exhibit "A" attached hereto and by this reference made a part hereof.

Together with all the tenements, hereditaments, and appurtenances thereto belonging or in any ways appertaining.

To have and to hold, the same in fee simple forever.

And the Grantor hereby covenants with said Grantee that the Grantor is lawfully seized of said land in fee simple; that the Grantor has good right and lawful authority to sell and convey said land, and hereby warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances except taxes accruing subsequent to December 31, 2006.

In witness whereof, the said Grantor has signed and sealed these presents the day and year first above written.

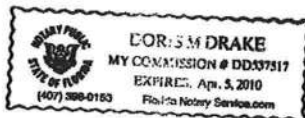
Cheryl Beatty
WITNESS
Printed Name: Cheryl Beatty
Debi Henderson
WITNESS
Printed Name: Debi Henderson

Frank Perrone
Frank Perrone
Angela Perrone
Angela Perrone

State of Florida
County of Columbia

I hereby certify that on this 27th day of April, 2007, before me, an officer duly authorized to administer oaths and take acknowledgements, personally appeared Frank Perrone, and his wife, Angela Perrone, who is personally known to me or produced a drivers license for identification, and known to me to be the person described in and who executed the foregoing instrument, who acknowledged before me that he/she/they executed the same, and an oath was not taken.

(SEAL)



[Signature]
NOTARY PUBLIC
My Commission Expires:

ATS #16444

Exhibit "A"

A part of Sections 10 and 11 of Township 2 South, Range 16 East, Columbia County, Florida, being more particularly described as follows: Commence at the Southwest corner of said Section 11 and run North 89°18'29" East, along the South line thereof, 1323.94 feet to the West line of a 60.0 foot county maintained road (Morrell Road); thence run North 02°00'59" West, along said West line, 1126.61 feet for the Point of Beginning; thence South 87°12'40" West, 1472.72 feet; thence North 00°16'21" East, 255.29 feet; thence South 89°08'59" West, 1137.83 feet to the Southwest corner of the Northeast Quarter of the Southeast Quarter (NE ¼ of SE ¼) of said Section 10; thence run North 00°08'22" East, along the West line thereof, 1322.82 feet to the Northwest corner of said NE ¼ of SE ¼; thence North 88°54'46" East, along the North line of said NE ¼ of SE ¼, 1241.03 feet; thence run South 00°16'21" West, 1519.83 feet; thence North 87°12'40" East, 1370.18 feet to the West line of aforesaid 60.0 foot county maintained road (Morrell Road); thence South 02°00'59" East, along said West line 60.01 feet to the Point of Beginning.

Inst:2007009799 Date:05/01/2007 Time:15:42

Doc Stamp-Deed : 3027.50

DC, P. Dewitt Cason, Columbia County B:1118 P:43

Notice of Treatment

Applicator: Florida Pest Control & Chemical Co. (www.flapest.com)

Address: 536 SE Baya Ave

City: LAKE CITY

Phone: 42-1703

Site Location: Subdivision _____

Lot # _____

Block# _____

Permit # 27873

Address 1050 NW MORRELL DR

Product used

Active Ingredient

% Concentration



Premise

Imidacloprid

0.1%



Termidor

Fipronil

0.12%



Bora-Care

Disodium Octaborate Tetrahydrate

23.0%

Type treatment:



Soil



Wood

Area Treated

Square feet

Linear feet

Gallons Applied

Pool Deck Addition

N/A

40

25

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line VP.

7/20/09

Date

1530

Time

James D. Barker

Print Technician's Name

Remarks: _____

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05



ZONE "X"

980'

LANDS DESCRIBED IN ORB 1118 PAGE 42 NOT A PART

SEE DETAIL "A"

MODE THAN 1,000'

DISTANCE FROM SEPTIC TANK TO WELL IS 132.3' ±.

PROPOSED

240'

NOT A PART

NOT A PART

SW CORNER OF NE 1/4 OF SE 1/4 OF SECTION 10.

4" C.M. W.K.D. NO ID.

FLOOD ZONE "A"

ZONE "X"

S.89°11'06"W. 1138.01' (FIELD)
S.89°08'39"W. 1137.83' (DEED)

4" C.M. LS 1079

NOT A PART

S.00°14'46"W. 632.07' FIELD
S.00°12'53"W. 631.74' RECORD

MONUMENTED WEST LINE OF LANDS DESCRIBED IN ORB 1081 PAGE 224

4" C.M. LS 1079

NOT A PART

RESIDUAL OF LANDS DESCRIBED NOT A PART ORB 1081 PAGE 224

S.89°08'59"W. 472.79' (R)
S.89°11'06"W. 472.78' (F)

CONTAINS 1.90 Acres, ±

MONUMENTED NORTH LINE OF LANDS DESCRIBED IN ORB 1081 PG. 224

N.89°11'06"E. 472.94' (F)
N.89°08'59"E. 472.97' (R)

4" C.M. LS 1079

POINT OF BEGINNING

N.00°16'21"E. 80.63' (R)
N.00°17'47"E. 80.66' (F)

S.00°17'47"W. 174.66' (F)
S.00°16'21"W. 174.66' (R)
N.00°16'21"E. 255.29' (DEED)
N.00°17'47"E. 255.32' (FIELD)

4" C.M. LS 1079

LANDS DESCRIBED IN ORB 1118 PAGE 42 NOT A PART

4" C.M. LS 1079

NOT A PART

SIGNED: MARK D. DUREN, LS 4708

[Signature]

DESCRIPTION:
A PART OF SECTION 10 TOWNSHIP 2 SOUTH, RANGE 16 EAST BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:
COMMENCE AT THE SOUTHWEST CORNER OF SAID SECTION 11 AND RUN N.89° 18'29"E. ALONG THE SOUTH LINE THEREOF, 1323.94 FEET TO THE WEST LINE OF A 60.0 FOOT COUNTY MAINTAINED ROAD (MORRELL ROAD); THENCE RUN N.02°00'59"W. ALONG SAID WEST LINE 1126.61 FEET; THENCE S.87°12'40"W. 1472.72 FEET; THENCE N.00°16'21"E. 80.63 FEET TO A CONCRETE MONUMENT, LS 4708, AND THE POINT OF BEGINNING; THENCE S.89°08'59"W. 472.79 FEET TO A CONCRETE MONUMENT, LS 4708, ON THE WEST LINE OF LANDS DESCRIBED IN OFFICIAL RECORDS BOOK (ORB) 1081 PAGE 224 OF THE OFFICIAL RECORDS OF COLUMBIA COUNTY, FLORIDA; THENCE N.00°12'53"E., ALONG SAID MONUMENTED WEST LINE, 174.66 FEET TO A CONCRETE MONUMENT, LS 1079, ON THE NORTH LINE OF SAID LANDS DESCRIBED IN SAID ORB 1081 PAGE 224; THENCE N.89°11'06"E., ALONG SAID NORTH LINE, 472.94 FEET TO A CONCRETE MONUMENT, LS 1079; THENCE S.00°16'21"W. 174.66 FEET TO THE POINT OF BEGINNING, COLUMBIA COUNTY, FLORIDA, CONTAINING 1.90 ACRES, MORE OR LESS.

- SURVEYOR'S NOTES:
- BOUNDARY BASED ON MONUMENTATION FOUND IN ACCORDANCE WITH THE RETRACEMENT OF THE ORIGINAL SURVEY FOR SAID DEED OF RECORD.
 - BEARINGS BASED ON DEED OF RECORD USING MONUMENTS FOUND ON THE SOUTH LINE OF PARCEL DESCRIBED IN ORB 1118 PAGE 42.
 - THIS PARCEL IS IN ZONE "X" AND IS DETERMINED TO BE OUTSIDE THE 500 YEAR FLOOD PLAIN AS PER FLOOD INSURANCE RATE MAP, DATED JANUARY 6, 1988, COMMUNITY PANEL NO. 120070 0110 B.
 - NO EASEMENT FOR UTILITY AND/OR DRAINAGE IS SHOWN ON THIS LOT IN RECORDS IN THE POSSESSION OF THIS OFFICE.
 - THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON DATE OF FIELD SURVEY AS SHOWN HEREON.
 - IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREON.
 - "NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER."
 - CLOSURE OF FIELD SURVEY IS 1/44,347.
 - THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OR TITLE POLICY. THEREFORE, EXCEPTION IS MADE HEREON REGARDING EASEMENTS, RESERVATIONS, RESTRICTIONS, AND/OR TITLE CONFLICTS OF RECORD, IF ANY, NOT PROVIDED BY THE CLIENT OR HIS AGENTS.
 - CERTIFIED TO:

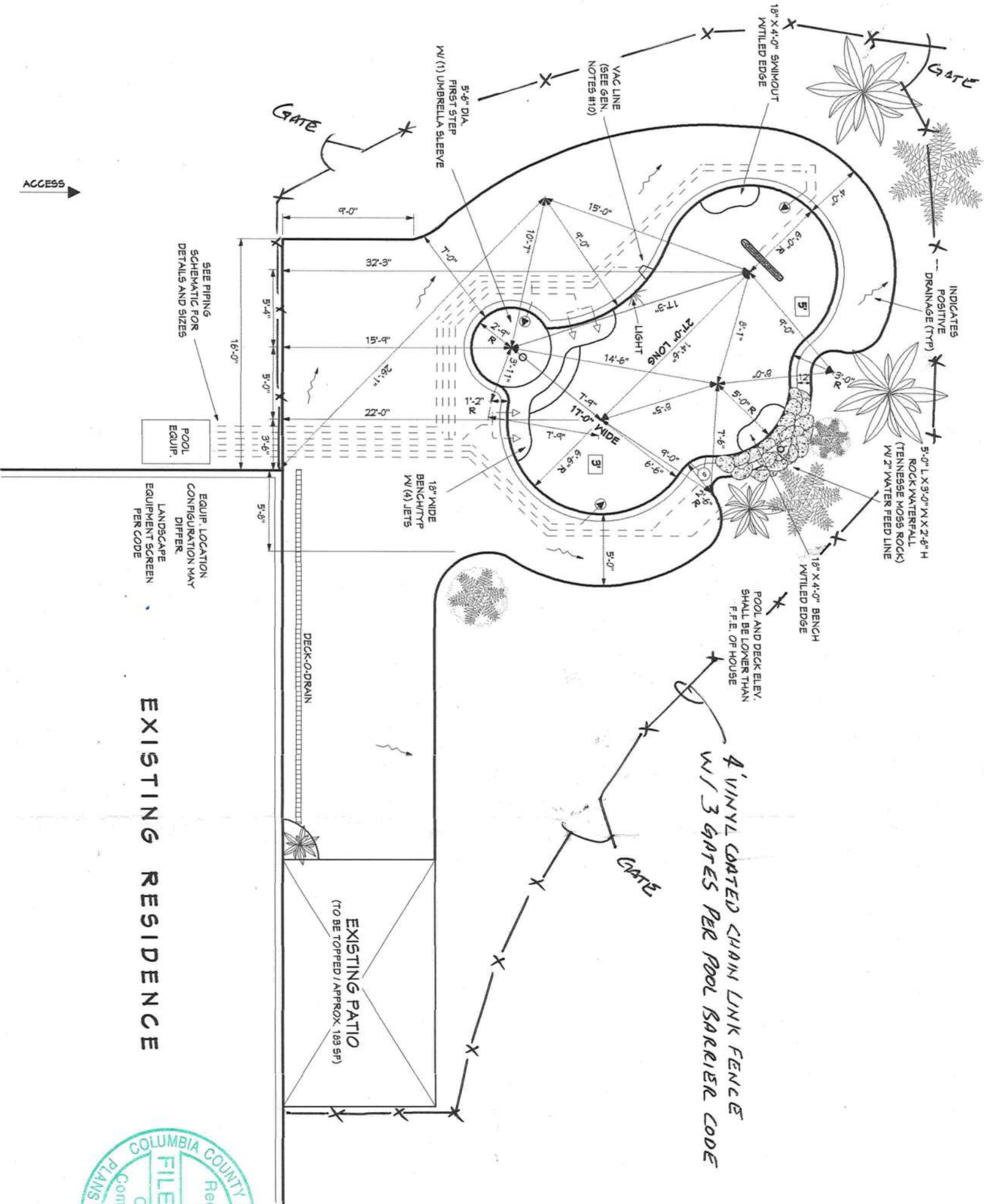
LOUIS T. AND RHONDA S. SPELL



ST R/W LINE OF NW MORRELL DRIVE
(20' COUNTY GRADE)

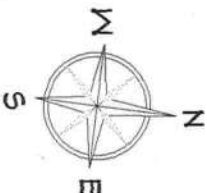
SYMBOL LEGEND

- O.R.I. OFFICIAL RECORD INSTRUMENT
■ CONCRETE MONUMENT FOUND
□ CONCRETE MONUMENT SET, LS 4708
● IRON PIN OR PIPE FOUND
○ 5/8" IRON ROD SET, LS 4708
—x— WIRE FENCE
—E— ELECTRIC UTILITY LINE (OVERHEAD)
—UG— UNDERGROUND ELECTRIC SERVICE
—CIV— CABLE TV LINE (OVERHEAD)



POOL PLAN

SCALE 1/8" = 1'-0"



EXISTING RESIDENCE

POOL SPECIFICATIONS

POOL SIZE:	12'-0" X 17'-0" X 27'-0"	POOL DEPTH:	3' TO 5'
POOL CAPACITY:	9,874 GAL.	TURNOVER RATE:	1.43 HR (12 HR MAX)
POOL S.F.:	330 SF.	POOL PERIMETER:	77.5 LF

POOL EQUIPMENT

PUMP SIZE:	2 HP PENTAIR	MODEL:	WHISPER FLO 115 GPM @45T
FILTER SIZE:	C 150	MODEL:	CARTRIDGE - PENTAIR
CHLORINATOR:	SALT SYS.	MODEL:	HAYWARD
POOL RETURNS:	3	SKIMMER:	1
CLEANING LINE:	YES	LIGHT:	(1) 300W
HEATER TYPE:	NONE	MODEL - SIZE:	NONE

WATER FEATURES

ROSETTE:	NONE	LION HEADS:	NONE
SHEER DESCENT:	NONE	DECK JETS:	NONE
SPRITZER:	NONE	JET ON BENCH:	(4)
FEED LINE(S):	(1)	BUBBLER:	NONE

FINISHING ITEMS

COPING:	OVERPOUR	HANDHOLD TYPE:	NONE
TILE:	6"	TYPE OF NEW DECK:	CONCRETE
SKIMOUT SIZE:	18" X 4'-0"	NEW DECK SF.:	855 SF
EXIT RAILINGS:	NONE	TOPPING SF.:	183 SF
AUTOMATION:	NONE	BENCH SIZE:	18" X 4'-0" & AT INLET STEPS
INTERIOR FINISH:	GEM	DECK-O-DRAIN:	25 LF

ADDITIONAL FEATURES

SCREEN ENCL.:	NONE	FOOTER:	NONE
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SPA SPECIFICATIONS

SPA SIZE:	NONE	DEPTH:	NONE
SPA PUMP:	NONE	SPA PERIMETER:	NONE
JETS:	NONE	SPA S.F.:	NONE
SPA CAPACITY:	NONE	TURNOVER RATE:	NONE
RAISED:	NONE	LIGHT:	NONE
GLASS BLOCKS:	NONE	BLOWER:	NONE
SPILLWAY SIZE:	NONE	ENTRY STEP:	NONE

NOTES

PERIMETER BARRIER: CHILD FENCE OR ALARMS BY OWNER PER SAFETY REQUIREMENTS PAGE 2
(1) UMBRELLA SLEEVE ON FIRST STEP PER PLAN

FINAL DRAWING

APPROVED FOR LAYOUT, DIMENSIONS & EQUIPMENT. I HAVE UNDERSTAND THAT ANY CHANGES WILL INVOLVE AN ADDITIONAL CHARGE OF \$350.00 FOR EVERY CHANGE MADE. ALSO NO ENGINEERED PLANS WILL BE PROCESSED WITHOUT ORIGINAL SIGNED SALES DRAWING. NO EXCEPTIONS.

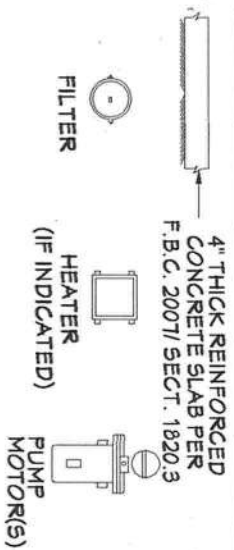
X DATE:

OUTBACK POOLS & WATERFALLS, INC.

431 NW SAVANNAH CIRC.
LAKE CITY, FL., 32055
Phon: (561) 756-6677 / Fax: (386) 755-9660

TOM & RHONDA SPELL
1050 MORRELL DR.
WHITE SPRINGS, FL., 32096

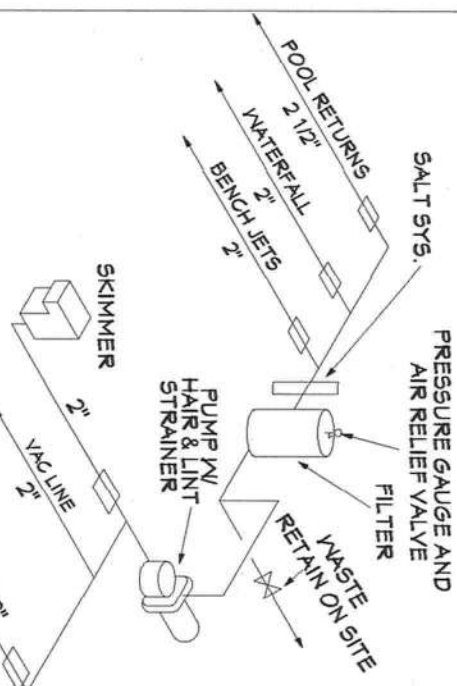
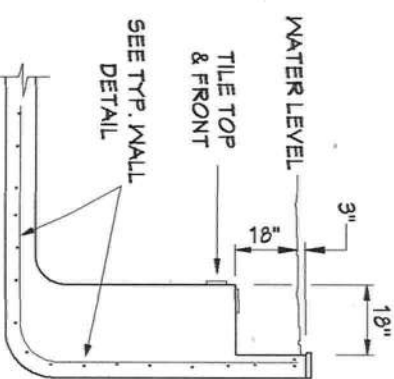
WAYNE MARKHAM BENNETT P.E. # 57216 265 S. FEDERAL HIGHWAY DEERFIELD BCH., FL., 33441 6-2-2009	ORDER# B.D.D.# 092157-B
DATE: 6-1-2009	1 OF 3



NOTE: ALL ANCHOR BOLTS THRU BASE SHALL BE 3/8" LAG BOLTS FOR ALL EQUIP. NEEDED; SEE MANUF. SPECS. FOR ANY ADDITIONAL DETAILS OR ANCHORING POINTS

COMPLIANT W/ F.B.C. 2007/301.13

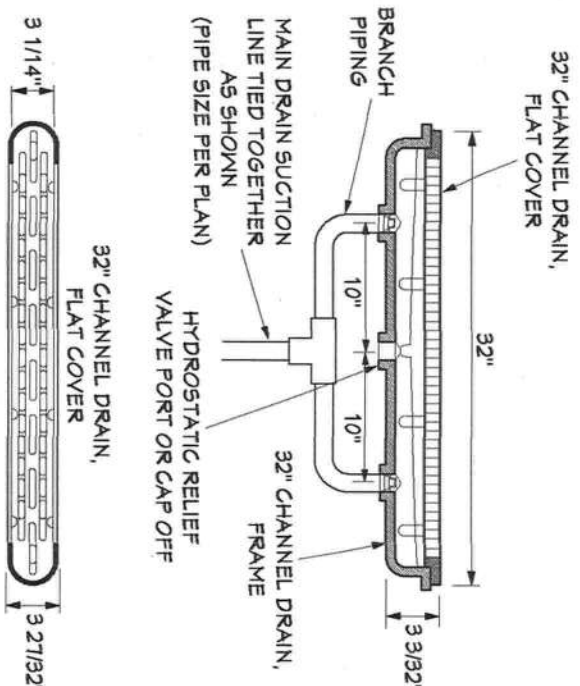
POOL EQUIPMENT ANCHORING



SWIMOUT-BENCH DETAIL

**SUCTION OUTLETS COVER/GRADE MUST CONFORM TO MOST
RECENT EDITION OF ASME/ANSI A112.19.8**

AQUASTAR 32CDFL-32" CHANNEL DRAIN
(316 GPM @ 3.9 ft/sec THRU GRATE)
SINGLE UNBLOCKABLE



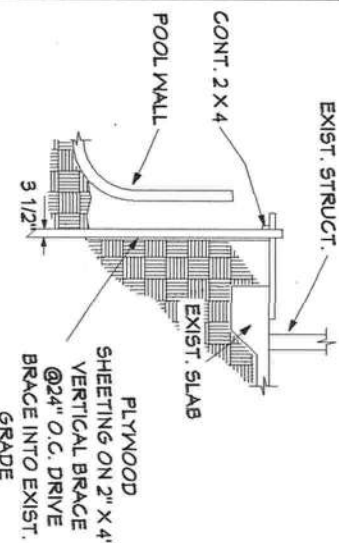
SAFETY REQUIREMENTS

PER FED. 2007 RA101.17.1 THROUGH RA101.17.3 & SECT. 424.2.17.1.1 THROUGH 424.2.17.1.14
RESIDENTIAL SWIMMING POOL MUST MEET ONE
OF THE BELOW SAFETY FEATURES :

1. POOL MUST BE ISOLATED FROM ACCESS TO A HOME BY AN ENCLOSURE THAT MEETS THE POOL BARRIER REQ. OF 5.515.24.
2. THE POOL MUST BE EQUIPPED WITH AN APPROVED SAFETY POOL COVER.
3. ALL DOOR & WINDOWS PROVIDING DIRECT ACCESS FROM THE HOME TO THE POOL MUST BE EQUIPPED WITH AN EXIT ALARM THAT HAS A MIN. SOUND PRESSURE RATING OF 85dB A AT 10 FEET.
4. ALL DOOR & WINDOWS PROVIDING DIRECT ACCESS FROM THE HOME TO THE POOL MUST BE EQUIPPED WITH A SELF CLOSING SELF LATCHING DEVICE WITH A RELEASE MECHANISM PLACED NO LOWER THAN 54 IN. ABOVE THE FLOOR.

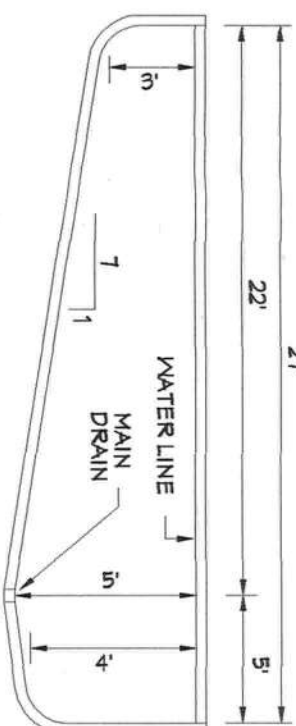


PIPING SCHEMATIC

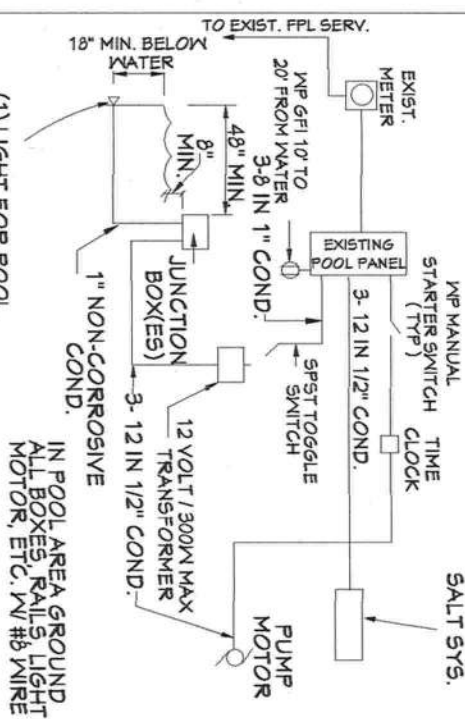


IMPORTANT NOTE:

NO DIVING BOARD AND NO DIVING IS ALLOWED ON ANY POOL LESS THAN 8'-0" DEEP AND SPECIFICALLY DESIGNED FOR DIVING. THIS POOL IS NOT DESIGNED FOR DIVING.



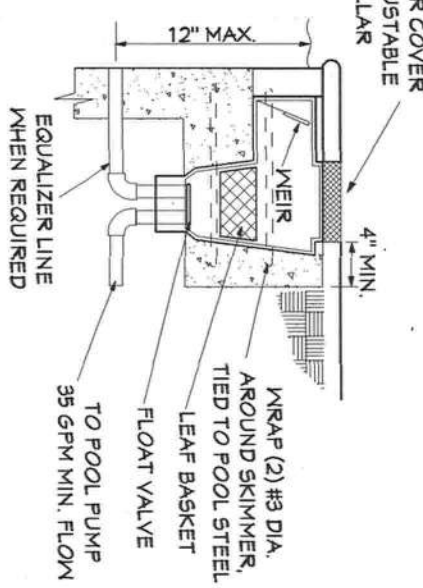
LONGITUDINAL POOL SECTION



(1) LIGHT FOR POOL
N/LOW WATER CUT OFF DEVICES
**SEE GEN. NOTES #41 FOR BONDING*

ELECTRICAL DIAGRAM

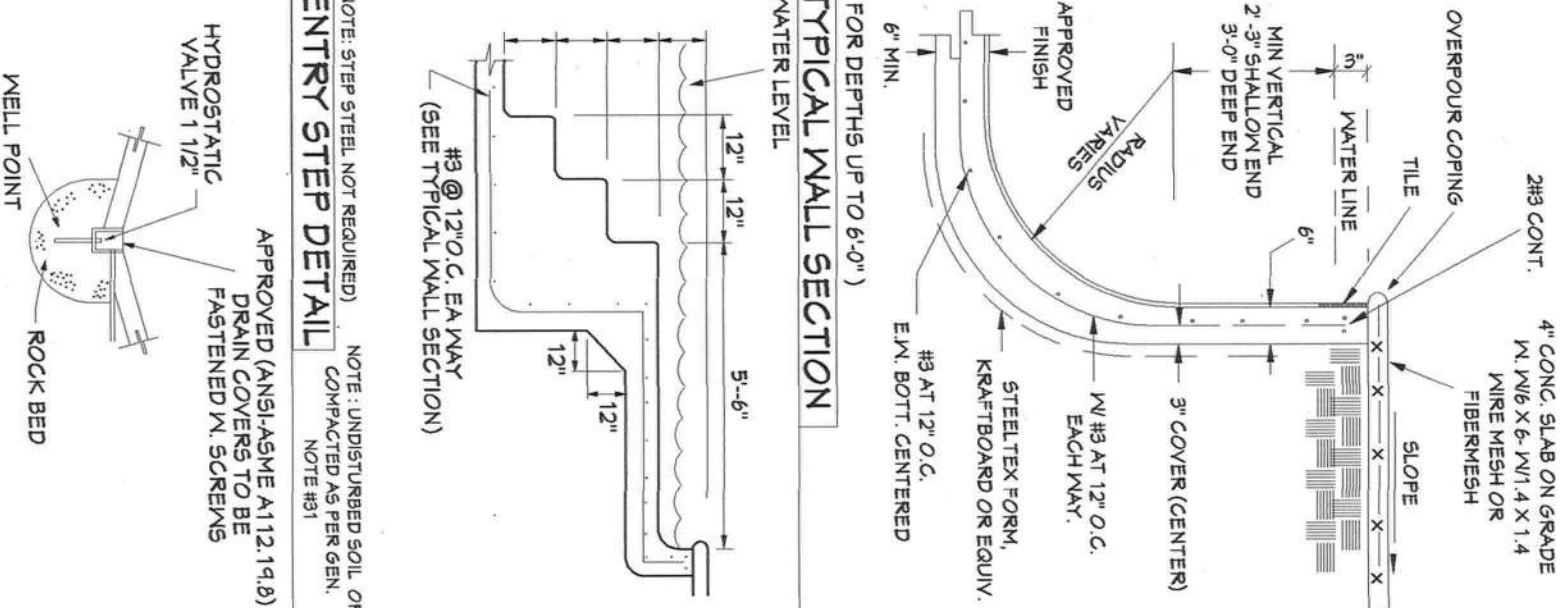
ALL ELECTRICAL
SHALL CONFORM
W/ N.E.C. ART. 680



SKIMMERS SHALL BE INSTALLED ON THE BASIS OF ONE
PER 800 SF OF SURFACE AREA OR FRACTION
THEREOF

SKINNER DETAIL

ALL THEREOF.




WELL POINT DETAIL

SPEEL
RESIDENCE

OUTBACK
POOLS & WATERFALLS, INC.

ORDER#	DATE: 6-1-09
B.D.D.# 092157-B	SHEET 2 OF 3


 WAYNE MARKHAM BENNETT
 P.E. # 51216
 265 S. FEDERAL HIGHWAY
 DEERFIELD BCH., FL., 33441
 6-2-2009

GENERAL NOTES

- 1- CODE REQUIREMENTS:
- PRIVATE SWIMMING POOL, AND SPAS MUST COMPLY WITH CHAPTER 424 & R4101 FLORIDA BUILDING CODE 2007
- 2- MECHANICAL REQUIREMENTS:
ALL PIPING EQUIPMENT AND MATERIALS USED IN THE PLUMBING SYSTEM OF SWIMMING POOLS AND SPAS THAT ARE BUILT IN PLACE SHALL CONFORM TO THE FLORIDA BUILDING CODE, PLUMBING 424.2.3 & R4101.3. ALL PIPING MATERIALS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION STANDARDS.
- 3- COMPLIANCE:
ALL MATERIALS, PIPING, VALVES, EQUIPMENT OR APPLIANCES ENTERING INTO THE CONSTRUCTION OF SWIMMING POOL, SPAS OR PORTIONS THEREOF SHALL BE OF A TYPE COMPLYING WITH THE CODE OR OF A TYPE RECOMMENDED AND APPROVED BY A NATIONALLY RECOGNIZED TESTING AGENCY OR CONFORMING TO OTHER RECOGNIZED STANDARDS ACCEPTABLE TO ADMINISTRATIVE AUTHORITY.
- 4- ENGINEERING DESIGN:
DESIGN, CONSTRUCTION AND WORKMANSHIP SHALL BE IN CONFORMITY WITH ANSI/ASPE 3, 4, 5 AND 6 2003, PUBLISHED BY THE INTERNATIONAL AQUATICS FOUNDATION OR OTHER ACCEPTED ENGINEERING PRACTICES.
- 5- TESTING AND CERTIFICATION:
ALL POOL AND SPA SUCTION INLETS SHALL BE PROVIDED WITH A COVER THAT HAS BEEN TESTED AND ACCEPTED BY A RECOGNIZED TESTING FACILITY AND COMPLY WITH ANSI/ASME A112.19.8M "SUCTION FITTINGS FOR USE IN SWIMMING POOLS, SPAS, HOT TUBS AND WHIRPOOL BATHTUB APPLIANCES". EXCEPTION: SURFACE SKIMMERS.
- 6- SAFETY NOTE:
DO NOT USE OR OPERATE POOL OR SPA IF THE SUCTION INLET FITTING IS BROKEN, MISSING OR LOOSE.
- 7- WATER VELOCITY PER ANSI/ASPE-1 2006 #4.4
WATER VELOCITY IN FIELD FABRICATED PIPING IS BASED ON THE MAX. SYSTEM FLOW RATE. MAX. WATER VELOCITY IN BRANCH PIPING (THE PIPING BETWEEN THE DRAIN) SHALL BE LIMITED TO 6 FEET PER SECOND (FPS) WHEN ONE OF A PAIR IS BLOCKED. IN NORMAL OPERATION THEN, THE BRANCH SUCTION PIPING VELOCITY IS 3 FEET PER SECOND (FPS). ALL OTHER SUCTION PIPING VELOCITIES SHALL BE 6 FPS FOR PUBLIC POOLS OR 8 FPS FOR RESIDENTIAL POOLS.
- 8- MAX. SYSTEM FLOW RATE PER ANSI/ASPE-1 2006 #4.4.1
THE MAXIMUM SYSTEM FLOW RATE SHALL BE DETERMINED BY ONE OF THE FOLLOWING:
- THE CALCULATION FOR THE CIRCULATION SYSTEM OF EACH PUMP, OR
- SIMPLIFIED TDH CALCULATION, OR
- THE MAX. FLOW CAPACITY (DETERMINE FROM PUMP FLOW CURVE) OF THE NEW OR REPLACEMENT PUMP (WHICH SHALL BE LIMITED BY THE CRITERIA OF ANSI/ASPE-1 #4.4
- IMPORTANT NOTE: IF THE MAX. PUMP FLOW RATE IS GREATER THAN DRAIN FLOW RATE OR 8 FPS SUCTION FLOW RATE OR 10 FPS DISCHARGE FLOW RATE, THEN THE "MAX. FLOW FROM THE PUMP CURVE" OPTION HAS FAILED.
- IF 80' THE TOTAL DYNAMIC HEAD TDH CALCULATION SHALL BE REQUIRED TO DETERMINE IF THE SYSTEM IS ACCEPTABLE. USING TDH, DETERMINE NEW MAX. FLOW RATE FROM PUMP CURVE. IF IT IS GREATER THAN DRAIN FLOW RATE OR 8 FPS SUCTION FLOW RATE OR 10 FPS DISCHARGE FLOW RATE, THE SYSTEM IS NOT ACCEPTABLE.
- IF A VARIABLE SPEED PUMP IS USED, USE THE MAX. PUMP FLOW IN CALCULATIONS.
- FOR SIDE DRAINING, USE APPROPRIATE SLIDE WALL DRAIN FLOW AS PUBLISHED BY MANUFACTURER
- IN FLOOR SUCTION OUTLET COVER/GRAVE MUST CONFORM TO MOST RECENT EDITION OF ANSI/ASME A112.19.8 AND BE EMBOSSED WITH THAT EDITION
- PUMP, FILTER & HEATER MAKE AND MODEL CANNOT CHANGED AND EQUIPMENT LOCATION CANNOT BE MOVED CLOSER TO POOL WITHOUT SUBMITTING A REVISED PLAN AND TDH CALCULATION FOR APPROVAL.
- MIN. SYSTEM FLOW BASED ON 1/4" FLOW PER SKIMMER OF 35 GPM
- SYSTEM FLOW RATE MUST NOT EXCEED APPROVED COVER FLOW RATES
- CHANNEL TO CENTER DISTANCE BETWEEN THE SUCTION PIPE OUTLETS SHALL BE 36 INCH MIN.
- CHANNEL TYPE (WITH 2 OR 3 OUTLETS IN ONE PORT) SHALL BE AT LEAST 3" WIDE BY 31" LONG
- 9- PUMP:
PER FBC 424.2.1.1, STRAINER POOL CIRCULATING PUMPS SHALL BE EQUIPPED ON THE INLET SIDE WITH AN APPROVED TYPE HAIR AND LINT STRAINER WHEN USED WITH A PRESSURE FILTER. PER 424.2.1.2 INSTALLATION TO BE COMPLETED IN ACCORDANCE MANUF'S RECOMMENDATIONS. PER 424.2.1.3 CAPACITY: PUMPS SHALL HAVE DESIGN CAPACITY AT THE FOLLOWING HEADS: (1) PRESSURE DIA/OMEGAS EARTH-A LEAST 60 FEET, (2) VACUUM D.E. 20 INCH VACUUM ON THE SUCTION SIDE AND 40 FEET TOTAL HEAD, (3) RAPID SAND - AT LEAST 45 FEET, (4) HIGH RATE - AT LEAST 60 FEET. PER 424.2.1.5 PUMP IMPELLERS, SHAFT, WEAR RINGS AND OTHER WORKING PARTS SHALL BE CORROSION RESISTANT MATERIALS.
- 10- CLEANER FITTINGS:
PER ANSI/ASPE 3, 4, 5 AND 6 2003, THE VACUUM OR PRESSURE CLEANER FITTING(S) SHALL BE LOCATED IN AN ACCESSIBLE POSITION AT LEAST 6 INCHES AND NOT GREATER THAN 18 INCHES BELOW THE MINIMUM OPERATING WATER LEVEL, OR AS AN ATTACHMENT TO THE SKIMMER. ALL CLEANER SUCTION INLETS SHALL BE PROTECTED BY AN APPROVED, PERMANENTLY INSTALLED, SELF-CLOSING FLAPPER ASSEMBLY.
- 11- VALVE:
PER FBC 424.2.8.1 & R4101.8.1 VALVES SHALL BE MADE OF MATERIALS THAT ARE APPROVED IN THE FLORIDA BUILDING CODE. PLUMBING VALVES LOCATED UNDER CONCRETE SLABS SHALL BE SET IN A PIT HAVING A LEAST DIMENSION OF FIVE PIPE DIAMETERS, MINIMUM 10 INCHES, FITTED WITH A SUITABLE COVER
- 11- WASTE WATER DISPOSAL:
PER FBC 424.2.10.8 R4101.10 DIRECT OR INDIRECT CONNECTIONS CANNOT BE MADE TO EXISTING FACILITIES WITHOUT THE PRIOR APPROVAL OF THE ADMINISTRATIVE AUTHORITY.
- 13- WATER SERVICE:
PER FBC 424.2.9 & R4101.9 BACKFLOW PREVENTION DEVICE REQUIRED ON ALL POTABLE WATER SERVICE
- 14- TESTS:
ALL POOL PIPING SHALL BE INSPECTED AND APPROVED BEFORE COVER OR CONCEALMENT. IT SHALL BE TESTED AND APPROVED TIGHT UNDER A STATIC WATER OR AIR PRESSURE TEST OF NOT LESS THAN 35 PSI FOR 15 MINUTES. PER MANUFACTURER'S RECOMMENDATIONS, NO AIR TEST SHALL BE APPROVED FOR PVC PIPE AND FITTINGS. SECTION 424.2.12.1 & R4101.12.2 PRESSURE TESTS.
- 15- WATER HEATING EQUIPMENT:
SWIMMING POOL WATER HEATING EQUIPMENT SHALL CONFORM TO THE DESIGN CONSTRUCTION AND INSTALLATION REQUIREMENTS IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICES AND SHALL BEAR THE LABEL OF A RECOGNIZED TESTING AGENCY. AND SHALL INCLUDE A CONSIDERATION OF COMBUSTION AIR VENTING AND GAS SUPPLY REQUIREMENTS FOR WATER HEATERS SEC. 424.2.14.1 & R4101.14.1. IT MUST CONTAIN A THERMOSTATIC OR HIGH PRESSURE CONTROL SWITCH 60 THE POOL. WATER DOES NOT EXCEED 104 DEGREES F. SEC. 424.2.14.4 & R4101.14.4 WATER HEATING EQUIPMENT SHALL BE INSTALLED WITH FLANGES OR UNION CONNECTIONS ADJACENT TO THE HEATER. WATER HEATING EQUIPMENT SHALL COMPLY WITH FBC 412.1 ALL HEATERS MUST HAVE AN INTERNAL CHECK VALVE. PER FBC 19-612.1, SEC 2.3.2 THE POOL AND SPA SHALL BE PROVIDED WITH A COVER TO REDUCE HEAT LOSS (IF REQUIRED BY THE CITY)
- 16- GAS PIPING:
GAS PIPING SHALL COMPLY WITH FBC, FUEL GAS SEC. 424.2.15 & R4101.15
- 17- ELECTRICAL:
POOL LOCATION AND ELECTRICAL WIRING AND EQUIPMENT SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE 2003, SPECIFICALLY SECTION 680.
- 18- LADDERS AND STEPS:
PER FBC 424.2.8 & R4101.8 ALL POOLS SHALL BE PROVIDED WITH A LADDER OR STEPS INTO THE SHALLOW END WHERE WATER EXCEEDS 24 INCHES. WHERE WATER DEPTH EXCEEDS 3 FEET, THERE SHALL BE LADDERS, STAIRS OR UNDERWATER BENCHES/MONUMENTS IN THE DEEP END.
- 19- FILTERS:
PER FBC 424.2.20 & R4101.20 THE ENTIRE DESIGN OF MATCHED COMPONENTS SHALL HAVE SUFFICIENT CAPACITY TO PROVIDE A COMPLETE TURNOVER OF POOL WATER IN 12 HOURS OR LESS.
- 20- POOL FITTINGS:
PER FBC 424.2.21 & R4101.21 POOL FITTINGS SHALL BE OF AN APPROVED TYPE AND DESIGN AS TO BE APPROPRIATE FOR THE SPECIFIC APPLICATION. PER FBC 424.2.19.2 JOINTS AND CONNECTIONS, FBC PLUMBING SEC. 605.21, PURPLE PRIMER REQUIRED ON PVC PIPING
- 21- SKIMMERS:
PER FBC 424.2.21.2 & R4101.21.4 SKIMMERS SHALL BE INSTALLED ON THE BASIS OF ONE PER 800 SF OF SURFACE AREA OR FRACTION THEREOF.
- 22- HYDROSTATIC RELIEF DEVICE:
PER FBC 424.2.21.4 & R4101.21.4 IN AREAS OF ANTICIPATED WATER TABLE, AN APPROVED HYDROSTATIC RELIEF DEVICE SHALL BE INSTALLED. EXCEPTION IS PLASTIC LINER POOLS.
- 23- CONCRETE / STEEL:
CONCRETE IS TO BE A MIX DESIGNED IN ACCORDANCE WITH ASTM C-494 BY A RECOGNIZED TESTING LABORATORY TO ACHIEVE A STRENGTH OF 3000 PSI, AT 28 DAYS (UNLESS OTHERWISE NOTED) WITH A PLASTIC AND WORKABLE MIX. PNEUMATICALLY APPLIED CONCRETE AND/OR SHOTCRETE SHALL BE PLACED IN ACCORDANCE WITH ACI 304.2R-04 AND ACI 308.2-04, RESPECTIVELY. ALL OTHER CONCRETE SHALL BE PLACED IN ACCORDANCE WITH ACI 304.2R-04. A CERTIFICATE OF MANUFACTURER'S MIX AND STRENGTH IS TO BE PROVIDED. NO WATER IS TO BE ADDED AFTER TRUCK LAYERS PLANT WITHOUT APPROVAL OF ENGINEER. PLANT CONTROL IS REQUIRED. MAXIMUM MIX TIME AT POINT OF DEPOSIT IS 90 MINUTES. CONCRETE WORK SHALL BE AS PER REQUIREMENTS AND RECOMMENDATIONS OF ACI 307-04. REINFORCING, DEFORMED STEEL BARS SHALL BE #4'S GRADE 60 (UNLESS OTHERWISE NOTED). FREE FROM OIL, LOOSE SCALE AND LOOSE RUST. REINFORCING, DEFORMED STEEL BARS SHALL BE BENT, LAPPED, PLACED, SUPPORTED AND FASTENED ACCORDING TO THE MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES (ACI 315-04) AND THE BUILDING CODE REQUIREMENTS FOR REINFORCING CONCRETE (ACI 318-04). IN CASE OF CONFLICT, THE MORE CONSERVATIVE VALUE(S) SHALL BE USED.
- 24- SOIL STATEMENT:
IN ACCORDANCE WITH FBC SECTION 1816, HAVE BEARING CAPACITY OF SOIL. BASED UPON RATIONAL ANALYSIS AND KNOWN VALUES IN THE VICINITY. THE IN-PLACE BEARING CAPACITY OF THE SOIL, BENEATH THE POOL, AND RELATED STRUCTURES SHOWN WITHIN THESE PLANS IS 2000 PSF. AFTER EXCAVATION AND COMPACTION IN ACCORDANCE WITH CURRENT EDITION OF FBC, SHOULD ANY MUCK, MARL, OR OTHER ORGANIC SOILS BE DISCOVERED ON EXCAVATION, IT SHOULD BE REMOVED IN THEIR ENTIRETY. ALL CONSTRUCTION SHALL STOP AND THE ENGINEER OF RECORD SHALL BE CONTACTED TO CONDUCT AN INSPECTION. STRUCTURAL ELEMENTS ARE DESIGNED WITH A REQUIRED BEARING CAPACITY OF 2000 PSF, UNLESS OTHERWISE SPECIFIED.

- 25- POOL STAKING:
THIS DESIGN ENGINEER ASSUMES NO RESPONSIBILITY FOR POOL CONSTRUCTION IN EASEMENT OR REQUIRED SETBACKS AREAS. PLOT PLANS NOT PREPARED FROM LEGAL SURVEYS OF THE EXISTING LOT AND RESIDENCE ARE SO INDICATED. THE POOL CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD AND ESTABLISH LOT LINES & LOCATION OF UTILITIES AT THE SITE AND CONTACT THE H.C.E. IF DIFFERENT THAN INDICATED ON PLAN. MINIMUM CLEARANCE DIMENSIONS SHALL BE HELD AS REQUIRED BY THE LOCAL REGULATORY AGENCY.
- 26- EXISTING STRUCTURES:
THE POOL CONTRACTOR SHALL ALWAYS TAKE ALL PRECAUTIONS TO PROTECT EXISTING STRUCTURES FROM FAILURE BY SHEETING AND/OR SHORING OR OTHER METHODS. THE DESIGN ENGINEER ACCEPTS NO RESPONSIBILITY FOR THE SAFETY OF EXISTING STRUCTURES. IN CASE OF FOOTINGS UNDERMINING, CONTRACTOR SHALL POUR CONCRETE BETWEEN POOL AND FOOTING. TOP OF CONCRETE SHALL BE BOTTOM OF FOOTING. WIDTH OF POURED CONCRETE SHALL BE FOOTING WIDTH AT A MINIMUM.
- 27- PIPING:
PIPING SHALL BE SCH. 40 BEARING 150F APPROVAL. PER FBC 2007 R4101.1, PIPING CAN BE (IF NEEDED) ENCASED IN THE CONCRETE OF THE POOL SHEEL.
- 28- CONCRETE SLABS:
ALL POOL EQUIPMENT SLABS SHALL COMPLY WITH SECTION 1820.3 OF FBC 2007
- 29- HANDHOLD:
ANSI-ASPE 3 ARTICLE XV SECTION 15.13, A SECURED ROPE OR CERAMIC HANDHOLDS MUST BE PLACED AT OR NO MORE THAN 12" ABOVE THE NORMAL WATERLINE OF THE POOL
- 30- POWER LINE:
OVERHEAD ELECTRIC LINES MUST BE LOCATED 10 FEET AND UNDERGROUND ELECTRIC LINES MUST BE LOCATED 5 FEET FROM POOL WATER EDGE.
- 31- BACKFILL & COMPACTION
BACKFILL CONSTRUCTION AREAS TO PROPER ELEVATION, IF NEEDED USING CLEAN GRANULAR MATERIAL FREE OF ORGANICS AND OTHER DELETERIOUS MATERIALS AND PLACED IN LIFTS NOT TO EXCEED 12 INCHES IN THICKNESS AND COMPACTED TO 95% OF THE ASTM D-1557 MODIFIED PROCTOR METHOD. BACKFILLING SHALL COMMENCE ONLY FOLLOWING REMOVAL FROM EXCAVATION OF ALL FORMS, WOOD, DEBRIS, AND OTHER DELETERIOUS MATERIALS. COMPACTION SHALL BE WITH EQUIPMENT SUITED TO SOIL BEING COMPACTED. MOISTEN OR AERATE MATERIAL AS NECESSARY TO PROVIDE MOISTURE CONTENT COMPACT EACH LAYER TO NOT LESS THAN PERCENTAGE OF THAT WHICH WILL READILY FACILITATE OBTAINING SPECIFIED COMPACTION WITH EQUIPMENT USED. ENSURE THAT THE COMPACTION OF PREVIOUSLY PREPARED FILL AREAS HAS BEEN MAINTAINED PRIOR TO PLACING NEW LAYERS. AFTER INSTALLATION OF ANY PLUMBING AND ELECTRICAL PIPING DISTURBED AREAS SHALL BE RECOMPACTED.
- 32- ENTRAPMENT TESTING AND CERTIFICATION:
ALL POOL AND SPA SUCTION INLETS SHALL BE PROVIDED WITH A COVER THAT HAS BEEN TESTED AND ACCEPTED BY A RECOGNIZED TESTING FACILITY AND COMPLY WITH ANSI/ASME A112.19.8 "SUCTION FITTINGS FOR USE IN SWIMMING POOLS, SPAS, HOT TUBS AND WHIRLPOOL BATHTUB APPLIANCES". EXCEPTION: SURFACE SKIMMERS.
- 33- WARNING:
TO EMPTY POOL, AFTER CONSTRUCTION, FOR REPAIRS OR ANY OTHER REASON, THE HYDROSTATIC UPLIFT PRESSURES BENEATH THE POOL MUST BE ELIMINATED TO PREVENT THE POOL FROM FLOATING UPWARD. THE OWNER MUST CONSULT A POOL CONTRACTOR OR POOL REPAIR CONTRACTOR EXPERIENCED IN ELIMINATING UPLIFT PRESSURES.
- 34- NOTE 1:
THIS PLAN IS NOT TRANSFERABLE FROM ONE CONTRACTOR TO ANOTHER
- 35- NOTE 2:
UNLESS OTHERWISE SPECIFIED, ALL DETAILS SHOWN ARE NOT TO SCALE
- 36- NOTE 3:
POOL WALL SHALL BE REINFORCED WITH #8@6" O.C. E.V. WHERE LESS THAN 5 FEET FROM ANY EXISTING STRUCTURE OR PATIO (SEE SHEETING & SHORING DETAIL.)
- 37- NOTE 4:
POOL AND DECK ELEVATION SHALL BE LOWER THAN FINISH FLOOR ELEVATION OF THE HOUSE
- 38- NOTE 5:
THERE IS ALWAYS THE POSSIBILITY THAT CONDITIONS IN THE FIELD MAY BE DIFFERENT FROM THOSE INDICATED IN AN ENGINEERING PERMIT DRAWINGS. THEREFORE, IF DIFFERENT CONDITIONS ARE ENCOUNTERED BEFORE OR DURING CONSTRUCTION, THE ENGINEER OF RECORD SHALL BE NOTIFIED TO REVIEW THE FINDINGS AND MAKE RECOMMENDATIONS AS NEEDED.
- 39- NOTE 6:
STRUCTURE ENGINEER MUST CERTIFY OR DESIGN REPLACEMENT ANCHOR AND DEADMAN SYSTEM FOR SEAWALL WITHIN 15 FEET OF POOL SEAWALL ANCHOR SYSTEM INSTALLATION MUST BE COMPLETE PRIOR TO START OF POOL CONSTRUCTION.
- 40- NOTE 1:
NO DIVING BOARD AND NO DIVING IS ALLOW ON ANY POOL, LESS THAN 8 FEET DEEP AND SPECIFICALLY DESIGN FOR DIVING
- 41- BONDING
CONTINUOUS SINGLE #8 AVG BARE COPPER WIRE SHALL BE BURIED TO A MIN. 4" TO 6" BELOW SUBGRADE, 18" TO 24" FROM INSIDE THE WALL OF SWIMMING POOL- SPA AROUND THE SWIMMING POOL- SPA PERIMETER, AND SHALL BE CONNECTED TO THE POOL STEEL REINFORCEMENT AT A MIN. 4 DIFFERENT LOCATIONS, EQUALLY SPACED.
- 42- NOTE 6:
IT IS THE CONTRACTOR RESPONSIBILITY TO PROVIDE THE ENGINEER WITH AN ACCURATE SURVEY AND DRAWINGS THAT REPRESENTS THE EXISTING FIELD CONDITIONS, I.E. ADDITIONS, TREES, AC PADS, WALKWAYS, ETC.