

PLANNING AND ZONING BOARD
Regular Meeting
January 24, 2024
6:30 P.M.
247 Edwards Lane / Palm Beach Shores, FL 33404

Chairman TBD
Vice Chairman Kevin Banks

Member (Open Seat)
Member Tony Lembo
Member (Open Seat)
Alternate Member Weston Gracida
Alternate Member (Open Seat)

Town Attorney, Dylan Brandenburg
Josh Nichols, Zoning Official
Rob Rennebaum, Engineer
Town Clerk, Jude M. Goudreau

PUBLIC PARTICIPATION MAY OCCUR REMOTELY

Meeting link:

<https://townofpalmbeachshores.my.webex.com/townofpalmbeachshores.my/j.php?MTID=m077c249918599924d851edbecee36188> Meeting number: 2633 690 7805 Password: 0124

Join by phone +1-408-418-9388 United States Toll Access code: 263 369 07805.

1. CALL TO ORDER:

- a. Pledge of Allegiance
- b. Roll Call

2. APPROVAL OF MEETING AGENDA: (Additions, substitutions, deletions)

3. APPROVAL OF CONSENT AGENDA:

- a. Approve, November 29, 2023, P&Z Meeting Minutes.
- b. Approve, November 29, 2023, LPA Meeting Minutes.

4. ACTION ITEMS:

- a. **a. SPR24/01-AAR24-01:** Eric and Abigail Woolworth, owners of 222 Claremont requests Site Plan Review and Architectural & Aesthetic Review Approval to install a new pool, spa, sand set paver deck and electric heater.

4. PUBLIC COMMENT:

5. DISCUSSION ITEMS:

- a. Building Department Development Project Update (*Orlando Rodriguez, Building Department Clerk*)

6. ADJOURNMENT:

PLEASE TAKE NOTICE AND BE ADVISED, that if any interested person desires to appeal any decision made by the Planning & Zoning Board with respect to any matter considered at this meeting or hearing, such interested person will need a record of the proceedings, and for such purpose may need to insure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is based. The meeting/hearing will be continued from day to day, time to time, place to place, as may be found necessary during the aforesaid meeting.

IN ACCORDANCE WITH THE PROVISIONS OF THE AMERICANS WITH DISABILITIES ACT (ADA), THIS DOCUMENT CAN BE MADE AVAILABLE IN AN ALTERNATE FORMAT (LARGE PRINT) UPON REQUEST AND SPECIAL ACCOMODATIONS CAN BE PROVIDED UPON REQUEST WITH THREE (3) DAYS ADVANCE NOTICE. FOR HEARING ASSISTANCE: If any person wishes to use a hearing device, please contact the Town Clerk.

PLANNING AND ZONING BOARD

REGULAR MEETING MINUTES November 29, 2023

CALL TO ORDER

The meeting was called to order at 6:30 p.m. by Chairman Jerald Cohn. The meeting was held in the Commission Chambers of Town Hall located at 247 Edwards Lane, Palm Beach Shores, FL 33404.

Town Clerk Jude M. Goudreau called the roll, and those present were Chairman Jerald Cohn, Vice Chairman Kevin Banks, and Member Tony Lembo. Also, present were the Town Attorney Dylan Brandenburg, Town Engineer Rob Rennebaum, and Zoning Official Josh Nichols.

APPROVAL OF MEETING AGENDA: (Additions, substitutions, deletions)

MOTION: Vice Chairman Kevin Banks made a motion to approve the meeting.

SECOND AND VOTE: Member Tony Lembo seconded the motion, which passed unanimously by those present.

CONSENT AGENDA:

Approve the Planning & Zoning Board Meeting Minutes of October 25, 2023

Approve the LPA Minutes October 25, 2023.

MOTION: Vice Chairman Kevin Banks made a motion to approve the consent agenda.

SECOND AND VOTE: Member Tony Lembo seconded the motion, which passed unanimously by those present.

ACTION ITEMS:

SPR23/16-AAR23-16: Michael and Frances Rackley, Owners of 340 Bamboo Road, requests Site Plan Review and Architectural & Aesthetic Review Approval to revise and improve landscape, along with installing artificial turf. Mrs. Rackley was present and sworn in by Attorney Brandenburg.

Motion: Chairman Banks made a motion to approve the plans with the following condition:

1. Additional screening must be installed to prevent turf from being visible from the public right of way prior to permit issuance.

Second: Member Lembo seconded the motion. Motion passed unanimously by those present.

SPR23/15-AAR23-15: Charles R. Romp, Owner of 308 Claremont Lane, requests Site Plan Review and Architectural & Aesthetic Review Approval to replace the pool deck around the existing pool with a new larger brick paver pool deck. Robert Lincoln was present for the Owner, Charles Romp. Mr. Lincoln was sworn in by Attorney Brandeburg.

Motion: Chairman Kevin Banks made a motion to approve the plans with the following conditions:

1. Yard areas/pavers to be graded to ensure no stormwater runoff flows to adjacent properties.
2. Provide 1" of stormwater retention over additional impervious area (swale). Deco drain to outfall to sodded swale providing 56 CF of storage (646 SF of additional impervious area x 1" storage).
3. Town Engineer to be notified during construction to observe rough grading of yard areas and property lines prior to turf installation.
4. Applicant shall be responsible for ensuring the drainage improvements are completed in substantial accordance with the approved plan.
5. Town Engineer to visit site and ensure conformance of Town requirements prior to issuance of final C.O.

Second: Member Tony Lembo seconded the motion. Motion passed unanimously by those present.

PUBLIC COMMENT: No Public Comments

DISCUSSION ITEMS:

a. Building Department Update.

The Board discussed the Building Department Update provided.

ADJOURNMENT:

MOTION, SECOND AND VOTE: Vice Chairman Kevin Banks moved to adjourn the meeting with Member Tony Lembo seconding the motion, which passed unanimously. The meeting was adjourned at 6:23 p.m.

APPROVED this ____ day of _____, 2023.

ATTEST:

Jude Marie Goudreau, Town Clerk

Chairman

(Seal)

PLANNING AND ZONING BOARD
Sitting as the
Local Planning Agency
Regular Meeting
November 29, 2023

Minutes

CALL TO ORDER

The meeting was called to order at 6:23 p.m. by Chairman Jerald Cohn. The meeting was held in the Commission Chambers of Town Hall located at 247 Edwards Lane, Palm Beach Shores, FL 33404.

Town Clerk Jude M. Goudreau called the roll, and those present were Chairman Jerald Cohn, Vice Chairman Kevin Banks, Member Tony Lembo also present were the Town Attorney Dylan Brandenburg, Town Engineer Rob Rennebaum, and Zoning Official Josh Nichols.

APPROVAL OF MEETING AGENDA: (Additions, substitutions, deletions)

MOTION: Vice Chairman Kevin Banks made a motion to approve the meeting agenda.

SECOND AND VOTE: Member Tony Lembo seconded the motion, which passed unanimously by those present.

PUBLIC COMMENT: No Public Comments

DISCUSSION ITEMS:

ORDINANCE NO. O-6-23

AN ORDINANCE OF THE TOWN COMMISSION OF THE TOWN OF PALM BEACH SHORES, FLORIDA, AMENDING CHAPTER 14. BUILDINGS AND BUILDING REGULATIONS. AT ARTICLE III. BUILDING STANDARDS. TO ADD ENTIRELY NEW SEC. 14-109. – TIME SCHEDULE FOR COMPLETION OF CONSTRUCTION PROJECTS. TO ESTABLISH MAXIMUM TIMELINES FOR THE COMPLETION OF CONSTRUCTION PROJECTS IN TOWN; PROVIDING A CONFLICTS CLAUSE, A SEVERABILITY CLAUSE AND AUTHORITY TO CODIFY; PROVIDING AN EFFECTIVE DATE; AND FOR OTHER PURPOSES.

Discussion: There was no further discussion as written.

Motion: Kevin Banks made a motion to recommend the Ordinance and move forward to Commission.

Second: Tony Lembo seconded the motion. Motion passed unanimously by those present.

ORDINANCE NO. O-7-23

AN ORDINANCE OF THE TOWN COMMISSION OF THE TOWN OF PALM BEACH SHORES, FLORIDA, AMENDING APPENDIX A – ZONING ORDINANCE., SECTION IX – WALLS, FENCES AND HEDGES. AT PF. 9.2. – LIMITATIONS. TO ESTABLISH A MAXIMUM RETAINING WALL AND FENCE HEIGHT NECESSARY TO SCREEN NEIGHBORING PROPERTIES WHERE UNEVEN GRADES EXIST AT THE COMMON PROPERTY LINE; PROVIDING A CONFLICTS CLAUSE, A SEVERABILITY CLAUSE AND AUTHORITY TO CODIFY; PROVIDING AN EFFECTIVE DATE; AND FOR OTHER PURPOSES.

Discussion: Josh Nicols commented on the changes made since the last meeting. There was a brief discussion regarding the changes made to the language in the Ordinance. Chairman Banks made comments to direct staff to update the Ordinance.

Motion: Kevin Banks made a motion to recommend the Ordinance and move forward to Commission based on the changes discussed.

Second: Tony Lembo seconded the motion. Motion passed unanimously by those present.

ADJOURNMENT:

MOTION: Vice Chairman Kevin Banks moved to adjourn the meeting.

SECOND AND VOTE: Member Tony Lembo second the motion, which passed unanimously. The meeting was adjourned at 7:36 p.m.

APPROVED this ____ day of _____, 2023.

ATTEST:

Jude Marie Goudreau, Town Clerk

Chairman

(Seal)



DEVELOPMENT APPLICATION

TOWN OF PALM BEACH SHORES
247 EDWARDS LANE
PALM BEACH SHORES, FL 33404
(561) 844-3457

OWNER/APPLICANT: Eric and Abigail Woolworth

PROJECT ADDRESS: 522 Claremont Lane (222 Claremont Lane)

APPLICATION NO.: _____ SUBMITTAL DATE: _____

TYPE OF APPROVAL(S) REQUESTED (Check box(es) ☒)

ADMINISTRATIVE APPEAL		SITE PLAN MODIFICATION (14-62)	
ARCHITECTURAL AND AESTHETIC REVIEW (Pf. 14-86)		SITE PLAN REVIEW (14-62)	<input checked="" type="checkbox"/>
COMPREHENSIVE PLAN AMENDMENT (Pf. 17.3(B))		SPECIAL EXCEPTION (Pf. 15.8)	
PLAT APPROVAL		VARIANCE (Pf. 15.4)	
REZONING (Pf. 17.3(B))		ZONING TEXT AMENDMENT (Pf. 17.3(B))	

	PROPERTY OWNER(S)	APPLICANT (If different than Owner(s))
NAME:	Eric and Abigail Woolworth	
ADDRESS:	10 Tanglewood Road NY	
PHONE:	917-494-8357	
EMAIL:		

	AGENT (If different than Owner(s))	CURRENT OCCUPANT (If different than Owner(s))
NAME:	RHR Pools	
ADDRESS:	715 Commerce Way #12 Jupiter	
PHONE:	561-74-1563	
EMAIL:	rhrpools.chloe@gmail.com	

	PLANNER	DEVELOPER
NAME:		
ADDRESS:		
PHONE:		
EMAIL:		

	ARCHITECT	LANDSCAPE ARCHITECT
NAME:		
ADDRESS:		
PHONE:		
EMAIL:		

	SURVEYOR	ATTORNEY
NAME:	HPA	
ADDRESS:	235 VIA VILLAGE HYPOLEND FL. 33462	
PHONE:	361-427-0990	
EMAIL:	hpasurveyor@yahoo.com	

	ENGINEER (USE ADD'L. SHEET FOR MULTIPLE ENGINEERS)	
NAME:	Ronald Glorsky, PE	
ADDRESS:	608 Lucern Avenue Lake Worth FL 33460	
PHONE:	Mike- 561-719-6993	
EMAIL:	m2aquaticdesign@att.net	



OWNER ACKNOWLEDGMENT & CERTIFICATION

I (We) affirm and certify that I (We) understand and will comply with all provisions and regulations of the Town of Palm Beach Shores, Florida. I (We) understand that if this Application is approved by the Town, the aforementioned real property described herein will be considered, in every respect, to be a part of the Town of Palm Beach Shores and will be subjected to all applicable laws, regulations, taxes and police powers of the Town including the Comprehensive Plan and Zoning Ordinance. I (We) further certify that all statements and diagrams submitted herewith are true and accurate to the best of my (our) knowledge and belief. Further, I (We) understand that this Application and attachments become part of the Official Records of the Town of Palm Beach Shores, Florida and are not returnable. I (We) acknowledge that no permit will be issued before all fees associated with Application are paid.

1. Owner acknowledges and understands that the fee for site plan review, architectural/aesthetic review, variance, special exception, rezoning, etc. **may not cover all review costs**. A final statement of any outstanding costs (covering advertising costs, legal, architectural and other consultant costs) will be sent to the applicant upon completion of the review process. Owner accepts financial responsibility for all costs incurred as a result of this Application.
2. A construction schedule is required of all developers during the development process. The Planning and Zoning Board must approve your proposed construction schedule.
3. The Town requires payment of impact fees for floor area added during the development, re-development or renovation of a property. These impact fees will be used to pay for capital improvements relative to Fire Protection, Police Protection, Parks & Recreation and Public Buildings. Impact fees must be paid to the Town before a Certificate of Occupancy will be issued.
4. Roll-off dumpsters for construction/demolition debris and solid waste must be rented through the Town's contracted solid waste hauler, Waste Management.
5. Final as-built plans must be submitted to the Town in digital form, preferably in PDF format.

By signing below, I acknowledge that I have read and understand the five (5) items listed above.

Signature of Owner

Date

Abigail S Woodworth
Printed Name of Owner

10/12/2023

New York
STATE OF ~~FLORIDA~~
~~PALM BEACH COUNTY~~: Bronx County

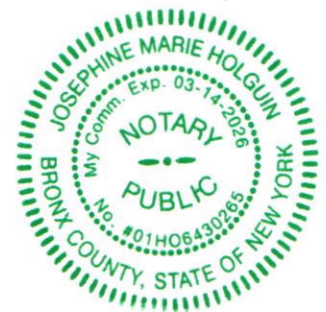
The foregoing instrument was acknowledged before me by means of ☒ physical presence or ☐ online notarization this 12th day of October, 2023.

by Abigail Woodworth who is personally known to me or has produced Driver's License (type of identification) as identification.

Josephine Marie Hobgins
(Name - type, stamp or print clearly)

(Signature)

NOTARY'S SEAL



PROCEDURES AND TIMELINES

All development applications required to be submitted to the Planning and Zoning Board for review (Site Plan Review, Site Plan Modification, Architectural and Aesthetic Review, Special Exceptions and Variances) will be subject to the following procedures:

1. Development Review Committee ("DRC") review is regularly scheduled for the first Wednesday of each month at 2:00 pm. In order to be placed on the DRC agenda, a complete application must be submitted to the Town Clerk by the close of business on Monday of the week prior to the regularly scheduled DRC meeting. **Incomplete applications and late submittals will not be placed on a DRC agenda.**
2. If, as a result of the initial DRC review, it is determined by the DRC that a subsequent DRC meeting is necessary, the complete revised application must be submitted to the Town Clerk by the close of business on Monday of the week prior to the regularly scheduled DRC meeting. **Applications that fail to include all revisions required by the DRC, or that are submitted late will not be placed on a DRC agenda until they have been corrected and are timely.**
3. If, as a result of the initial DRC review, it is determined by the DRC that the project can proceed to the Planning and Zoning Board, a complete Planning and Zoning Board application must be submitted to the Town Clerk including all revisions noted by the DRC. A sufficiency review will be performed by the Town to confirm that all comments provided by the DRC have been addressed and a complete revised application submitted. Once all DRC comments have been adequately addressed and a complete revised application submitted, the submittal will be placed on the agenda for the next available Planning and Zoning Board, subject to legal advertising requirements. Planning and Zoning Board review is regularly scheduled for the fourth Wednesday of each month. **Applications that fail to include all revisions required by the DRC or that are incomplete will not be placed on a Planning and Zoning Board agenda.**

APPLICATION FEE INFORMATION

Administrative Appeal	\$250.00
Site Plan Review	\$350.00*
Site Plan Modification Review	\$350.00
Variance Request	\$350.00
Special Exception Request	\$250.00
Telecom Site Plan Review or Modification	\$500.00
Plat Approval Request	\$600.00
Comprehensive Plan Amendment	\$750.00
Zoning Text Amendment / Rezoning	\$750.00
Sufficiency Review	Zoning Official (rate per hour)

**AUTHORIZATION OF AGENT & ACKNOWLEDGEMENT OF
FINANCIAL RESPONSIBILITY**

Consent to an agent is required from the property owner(s) and contract purchaser, if applicable, if the property owner(s) or contract purchaser does not intend to attend all meetings and public hearings and submit it person all material pertaining to the Application. Consent to a firm shall be deemed consent for the entire firm, unless otherwise specified.

This form shall serve as consent for the agent identified below to prepare or have prepared all documents for the Application affecting property I (We) have an ownership interest in.

I (We) hereby designate and authorize the below-signed person to act as my (our) agent in regard to this Application and accept financial responsibility for any costs incurred by the agent as a result of this Application. Further, I (We) acknowledge that no permit will be issued before all fees associated with Application are paid.



Signature of Owner or Trustee

10/12/2023
Date

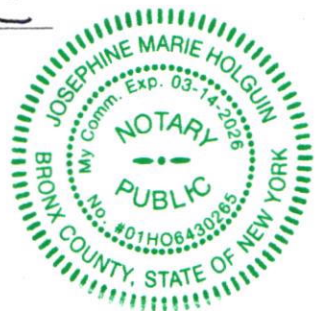
STATE OF ~~FLORIDA~~ New York
~~FLORIDA~~ COUNTY:

Bronx
The foregoing instrument was acknowledged before me by means of ☒ physical presence or ☐ online notarization this 12th day of October 2023,
by Abigail S Woodworth who is personally known to me or has produced Driver's License (type of identification) as identification.

Josephine Marie Holguin
(Name - type, stamp or print clearly)


(Signature)

NOTARY'S SEAL

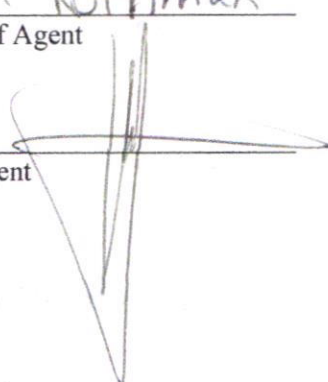


Agent Information:

Ryan H Rothman
Printed Name of Agent

RHR Pools, Inc
Name of Firm

Signature of Agent



10-4-2023
Date

NUMBER OF COPIES REQUIRED

Development Review Committee	Ten (10) paper sets (folded & sorted into complete packet sets), including one (1) sealed original with original signatures and nine (9) copies, three (3) of which are sealed by a licensed engineer, architect and/or surveyor, <u>and</u> an electronic copy of all documents (on cd or thumb drive).
Planning and Zoning Board	Ten (10) paper sets (folded & sorted into complete packet sets), including one (1) sealed original with original signatures and nine (9) copies, three (3) of which are sealed by a licensed engineer, architect and/or surveyor, <u>and</u> an electronic copy of all documents (on cd or thumb drive).
Local Planning Agency	Ten (10) copies (folded & sorted into complete packet sets).
Town Commission	Ten (10) paper sets (folded & sorted into complete packet sets), including one (1) sealed original with original signatures and nine (9) copies, three (3) of which are sealed by a licensed engineer, architect and/or surveyor (as applicable), <u>and</u> an electronic copy of all documents (on cd or thumb drive).

Applicant acknowledges and understands that the fee for Site Plan Review, Architectural/aesthetic Review, Variance, Special Exception, Rezoning, etc. *may not cover all review costs*. A final statement of any outstanding costs (covering advertising costs, legal, architectural, and other consultants) will be sent to the Applicant upon completion of the review process.

Tabular data showing compliance with all lot coverage, floor area, building height, grade and landscaping requirements must be provided on all submitted plans (Town Code § 14-62).

PROJECT NAME: Woodworth

PROJECT ADDRESS: 222 Claremont Lane

PROJECT LEGAL DESCRIPTION: Palm Beach Shores- Lot 119- - 54.43.42.27.04.000.1190

*** All boxes must be completed, use N/A where appropriate ***

GENERAL DATA	CODE REQUIREMENT	EXISTING	PROPOSED
COMPREHENSIVE PLAN DESIGNATION: (SF-5, MF-21, MF-30, MF-42, P, ROS)	None		
LAND USE: (Residential, Commercial, Recreational, Marina, Public, etc.)	None		
ZONING DISTRICT: (A, B, C, D, P, ROS, designated at Pf. 3.1, Zoning Ordinance)	None		
FLOOD ZONE CATEGORY:	None		
LOT COVERAGE, LANDSCAPING & PARKING	CODE REQUIREMENT	EXISTING	PROPOSED
TOTAL LOT SIZE: (sq. ft.) 8592	None	4827 sq ft	1517 sq ft
TOTAL COVERAGE OF A LOT BY BUILDINGS: (Pf. 5.4, 6.4, 7.5 or 8.5, Zoning Ordinance)			
TOTAL LANDSCAPE COVERAGE: (Pf. 5.4.3, Zoning Ordinance)			
OFF-STREET PARKING: (Pf. 5.13, 6.12, 7.13 or 8.14, Zoning Ordinance)			
SETBACKS	CODE REQUIREMENT	EXISTING	PROPOSED
FRONT YARD: (Pf. 5.5, 6.6, 7.7 or 8.7, Zoning Ordinance)			NA
REAR YARD: (Pf. 5.6, 6.7, 7.9 or 8.9, Zoning Ordinance)			Pool/spa- 13.7' & deck 10'
SIDE YARD: (Pf. 5.7, 6.8, 7.8 or 8.8, Zoning Ordinance)			Side right Pool -28.35' Side right deck -22.35' Side left pool -16.65' Side left deck 9.65'

FLOOR AREA	CODE REQUIREMENT	EXISTING	PROPOSED
FIRST FLOOR AREA (sq. ft.):	None		
SECOND FLOOR AREA (sq. ft.): (Pf. 5.4.2, Zoning Ordinance)			
TOTAL FLOOR AREA (sq. ft.): (Pf. 2.23, Zoning Ordinance)	None	N/A	
FLOOR AREA RATIO: (Pf. 5.4.2, Zoning Ordinance)			
DWELLING UNIT DENSITY: (Pf. 6.5, 7.6 or 8.6, Zoning Ordinance)			
IMPERVIOUS AREA	NET INCREASE	EXISTING	PROPOSED
BUILDING FIRST FLOOR AREA (sq. ft.):			
OTHER IMPERVIOUS AREA (sq. ft.): (Decks, Patios, Walkways, Driveways, Pool Deck & Pool Surface Areas)	1517 #	4827 #	1517 #
TOTAL IMPERVIOUS AREA (sq. ft.):			
ELEVATIONS	CODE REQUIREMENT	EXISTING	PROPOSED
GRADE ELEVATION (NAVD): (Pf. 4.6, Zoning Code)			
ESTABLISHED 1 ST FLOOR ELEVATION (NAVD): (Pf. 4.6, Zoning Code)		N/A	
MEAN CROWN OF ROAD ELEVATION (NAVD):	None		
BUILDING HEIGHT	CODE REQUIREMENT	EXISTING	PROPOSED
TOTAL BUILDING HEIGHT (NAVD): (Pf. 5.2, 6.2, 7.3 or 8.3, Zoning Ordinance)			
TOP OF BEAM HEIGHT (NAVD): (Pf. 5.2, 6.2, 7.3 or 8.3, Zoning Ordinance)		N/A	
ROOF PITCH: (Pf. 5.2, 6.2 or 7.3, Zoning Ordinance)			
FLAT ROOF PERCENTAGE: (Pf. 5.2, Zoning Ordinance)			

JUSTIFICATION STATEMENT

Provide a summary of the proposed project, describing in detail the construction, phasing and proposed development to occur as part of this application (attach additional sheets if needed):

Install new swimming pool, spa, sand set paver deck and electric heater

Note: Construction Schedule is due as part of site plan review and before building permit issuance. (Town Code §14-63). A signed and notarized contract (signed by owner) must be provided before building permit issuance. (Town Code §14-108).

Provide an estimate of construction costs:

95,900

Describe the existing improvements located on the subject property (attach additional sheets if needed):

Provide a project history for the subject property, including any prior development approvals filed within the last year in connection with the subject property. Please include the date of previous site plan approval by the Planning and Zoning Board for this property (attach additional sheets if needed):

Provide the justification, special reasons, or basis for the approval of this application. Explain why this application is consistent with good planning and zoning practice, will not be contrary to the Town's Comprehensive Development Plan, and will not be detrimental to the promotion of public appearance, comfort, convenience, general welfare, good order, health, morals, prosperity, and safety of the Town. Additionally, all standards set forth in the Town Code of Ordinances for Special Exceptions, Variances, Administrative Appeals, etc. must be addressed. (attach additional sheets if needed):

Provide any other pertinent information related to the subject property to support the proposed request.

DRAINAGE REQUIREMENTS

(For projects proposing additional on-site impervious area)

For proposed renovations/modifications to existing projects that result in LESS THAN a 50% increase in total site imperviousness, retain 1" of stormwater volume from the total additional impervious area.

For proposed new construction, or renovations/modifications to existing projects that result in a GREATER THAN a 50% increase in total site imperviousness, retain 1" of stormwater volume over the entire site.

Submit a Survey with topographic elevations and existing improvements.

A Drainage and Grading Plan and drainage calculations are required to be submitted with the application package for new construction projects and substantial modifications to existing projects. The Drainage Plan must show the following:

- a. Existing and proposed elevations.
- b. Location of sodded swales, sodded depressed retention areas, underground exfiltration trench and/or other proposed stormwater treatment/retention methods.
- c. Underground piping and inlets and other drainage system improvements proposed.
- d. Drainage calculations showing the retention of the volume of 1" of stormwater from addition impervious areas (or overall site).
- e. Show drainage improvements and underground piping, including water and sewer services, on the Landscape Plans to show no conflicts exist.
- f. Include note that no runoff may be directed to adjacent properties and all storm flows and runoff must be retained on-site prior to discharge into the adjacent roadway right-of-way following retention of required stormwater volume.
- g. Provide engineering details of gutter and downspout dry wells, if proposed.
- h. Provide engineering detail of exfiltration trench, if proposed.
- i. Provide engineering detail of sodded swales, if proposed.
- j. Provide engineering detail of depressed dry retention areas, if proposed.
- k. Provide Geotechnical Report or engineering assumptions/justification for coefficient of permeability (K Factor) for exfiltration trench design, if proposed.
- l. Engineering details/cross sections at property lines demonstrating no runoff will flow to adjacent properties may be required.

Project Engineer or Architect shall be responsible for insuring the drainage improvements are completed in substantial accordance with the approved plan.

Prior to C.O., Project Engineer or Architect to provide final signed and sealed certification that the drainage improvements and grading have been completed in substantial accordance with the approved plan.

Upon receipt of final Certification from Project Engineer or Architect, Town Engineer to visit site and ensure conformance of Town requirements prior to issuance of final C.O.

REQUEST FOR ARCHITECTURAL AND AESTHETIC REVIEW

Please be advised that pursuant to Sec. 14-86 and 14-87 of the Town Code of Ordinances, the Town Planning and Zoning Board uses the following criteria in order to complete its Architectural and Aesthetic Review. Each criteria must be addressed by the applicant prior to the application being processed.

1. Relationship of building to site: (Explain transition from streetscape; placement of parking and service areas; and compatibility of building height and scale with site):

NA

2. Relationship of building and site to adjoining area(s): (Explain how structures and landscaping are consistent with established neighborhood character and will enhance the surrounding area. Include description of architectural style, as well as textures, materials and colors to be utilized):

NA

3. Landscape and site treatment: (Explain how landscaping, exterior lighting and other site elements will be used to enhance architectural features, buffer the mass of buildings as appropriate, and enhance the privacy of the owner and neighbors. Describe the use of native species and xeriscaping as appropriate.):

NA

4. Building design: (Explain proposed building design and style, and how components such as roofs, windows, doors, eaves and parapets are balanced in proportion to each other; address harmoniousness of colors, visual interest and compatibility):

NA

Please provide all documentation and/or samples necessary to address all architectural review criteria as applicable. Attach additional pages as necessary.

NA

REQUEST FOR SITE PLAN MODIFICATION

1. Previously approved (Original) site plan information:

a. Original Project Name: _____

b. Original Site Plan Application No.: _____

c. Original Site Plan Approval Date: _____

d. List of all other relevant information on file with original application: _____

2. Requested Modification(s): _____

Please provide all documentation necessary to describe the proposed modification and to explain the reason(s) for the proposed modification(s), including a survey, if applicable. Attach additional pages as necessary.

N/A

NH

REQUEST FOR VARIANCE

The Applicant is requesting a variance from the Town Code Section(s) _____ to permit the following:

Please be advised that a variance from the terms of the Zoning Code shall not be recommended by the Planning and Zoning Board, nor granted by the Town Commission, unless the Applicant is able to demonstrate the following:

1. Explain the special conditions and circumstances which exist that are peculiar to the land, structure, or building involved and which are not applicable to other lands, structures, or building in the same zoning district:

2. Explain how the special conditions and circumstances that exist do not result from the actions of the Applicant:

3. Explain how the literal interpretation of the provisions of the Zoning Ordinance would deprive the applicant of rights commonly enjoyed by other properties in the same zoning district under the terms of the Zoning Code and would work unnecessary and undue hardship on the Applicant:

4. Explain how the variance requested is the minimum variance that will make possible a reasonable use of the land, building or structure:

5. Explain how the granting of the requested variance will not confer on the Applicant any special privilege that is denied by the Zoning Code to other lands, structures, or buildings in the same zoning district:

6. Explain how the grant of the requested variance will be in harmony with the general intent and purpose of the Zoning Code and will not be injurious to the neighborhood or otherwise detrimental to the public welfare:

The burden of meeting the standards as set forth above is upon the Applicant. Please provide all documentation necessary to prove your case, including a survey, if applicable. Attach additional pages as necessary.

NA

REQUEST FOR SPECIAL EXCEPTION

The Applicant is requesting a special exception pursuant to Town Code Section(s) _____ to permit the following:

A Special Exception shall not be recommended by the Town Planning and Zoning Board, nor granted by the Town Commission, unless the Applicant is able to demonstrate the following:

1. Explain how all structures will be separated from adjacent and nearby uses by appropriate screening devices:

2. Explain whether or not excessive vehicular traffic will be generated on surrounding residential streets:

3. Explain whether or not a vehicular parking or traffic problem is created:

4. Explain where on the site appropriate drives, walkways and buffers will be installed:

5. Explain how the proposed use will make a substantial contribution to the neighborhood environment and will not infringe on the rights of properties in the vicinity:

6. Explain how the proposed use will not endanger, restrict or impair public safety:

The initial burden of meeting the standards as set forth above is upon the Applicant. Please provide all documentation necessary to prove your case, including a survey, if applicable. Attach additional pages as necessary.



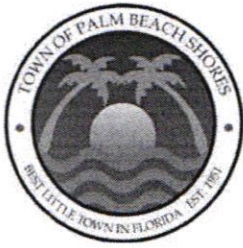
TOWN OF PALM BEACH SHORES BUILDING PERMIT APPLICATION CHECKLIST

Please verify that your permit application package contains all applicable items required for permit issuance. Your permit application will not be processed if the required information is not complete or not marked "not applicable".

- ☒ Complete **PERMIT APPLICATION**, reflecting the total job value and square footage. The owner's and the qualifier's notarized signatures are required. Submittals must be signed and sealed by a Notary Public.
- ☒ **OWNER BUILDER AFFIDAVIT** for homeowner. To qualify for such an exemption, an owner must personally appear, complete the affidavit, and sign the building permit.
- ☒ One (1) copy of Proposal/quote/agreement between contractor and the property owner showing the valuation of the job, this is how we determine the permit fee.
- ☒ One (1) copy of recorded **NOTICE OF COMMENCEMENT** must be provided at time of application submittal.
- ☒ Two (2) complete, identical and separate sets of plans drawn to scale (signed and sealed by designer as required by Code), including fire sprinkler plans (for buildings more than 3 stories). Please limit the size of your plans to 24 x 36.
- ☒ Two (2) accurate plot plans and surveys, signed and sealed. New buildings, additions or other improvements, patios and pools must show proposed elevations on site and on adjacent properties in sufficient detail to verify that there will be no adverse drainage impacts from proposed improvements. Site plan must include percentages of lot pervious and impervious areas.

Permit fees are to be paid at submittal. All documents must be submitted in person Monday, Wednesday or Friday between 9:00 am and 1:00 pm.

Town of Palm Beach Shores
Building Department
247 Edwards Lane
Palm Beach Shores, FL 33404
561-844-3457
LBrown@pbstownhall.org



POOL APPLICATION CHECKLIST
(See separate checklist for Spas/Hot Tubs)
Town of Palm Beach Shores
Building Department

Applicant must submit 10 paper sets and 1 electronic copy of the following items:

Workclass: In Ground (not to exceed six (6) inches above ground level)

1. Permit application (check appropriate trade) completed and signed X
Pool only _____ Pool w/Deck _____ Pool w/Spa _____ Pool w/Deck/Spa X
2. **Copy of completed contract signed by both parties** X
3. Owner/Builder affidavit; if applicable NA
4. Acknowledgment of Owner Responsibility - **NOTARIZED** X
5. **Completed Drainage Certification Form and Drainage Plan (retain 1" over additional impervious area)** X
6. Plumbing permit application completed and signed X
7. Electrical permit application completed and signed X
8. Survey showing location of pool and setbacks X
 - a. Must have printed legal description and flood zone X
 - b. Indicate distance from power lines, septic system and structures X
 - c. **Drainage plan/survey including flow arrows representing the proposed site drainage** X

	Front		Rear		Side		Side	
Required Setback	Pool	Deck	Pool	Deck	Pool	Deck	Pool	Deck
Proposed Setback	_____	_____	13.7'	10'	28.35'	22.35'	16.65'	9.65'

9. Engineer **signed/sealed** plans, include designer name and address X
10. Plans must:
 - a. Include water velocity for pressure, suction piping & TDH X
 - b. Show location of proposed pool equipment on property X
 - c. Show the **proposed** net increase in impervious surface area on property _____
 - d. **Pool equipment** noise screening per Town Code Pf.12.3 _____
11. Pool Heater: _____ Gas X Electric _____ None
(Requires separate gas permit)
12. **Provide Load Calculation** including proposed pool equipment X
13. Provide pump curve charts from manufacturer X
 - **Provide inspector with a final "as-built" drainage plan at final inspection**
 - **Temporary 4 ft. high fence required during construction!**

TOWN OF PALM BEACH SHORES BUILDING DEPARTMENT

FIELD INSPECTION SERVICES

BONDING OF POOL WATER

Recent industry changes have created an issue concerning equipotential bonding that is having an impact on swimming pool construction and all pool inspections. The issue of concern is the requirement found in the National Electrical Code 680.26(C) dealing with the bonding of pool water. This article says:

***“(C) Pool Water.** An intentional bond of a minimum conductive surface area of 5800mm² (9 in.²) shall be installed in contact with the pool water. This bond shall be permitted to consist of parts that are required to be bonded in 680.26(B).”*

In many pools, this code requirement is met by the installation of a metallic ladder, a metallic handrail or standard wet niche lighting. Each of these is required to be bonded to the equipotential bonding grid since they have parts in direct contact with pool water. In the case of standard wet niche lighting the metal ring surrounding the light provides the direct contact. However, many residential swimming pools being installed do not contain a metallic ladder or handrail and, in recent times, standard wet niche lighting is being replaced with a plastic wet niche or LED lighting which require no bonding. The issue of concern then becomes how to effectively bond the pool water using this type of pool construction thus meeting the requirement as stated in 680.26(C).

Some have felt that since a listed swimming pool pump has pool water flowing through it and is required to be bonded that this will satisfy the code reference in question. However, there is a lack of any language either from any pump manufacturer or from a National Recognized Testing Laboratory (NRTL), such as Underwriters Laboratory (UL), specifically stating that there is the required 9 in.² of conductive surface in direct contact with the pool water. The same holds true for listed pool heaters. Therefore, it is the position of the Town of Palm Beach Shores that neither pumps nor heaters can be used to meet the requirement of NEC 680.26(C) unless that language is available and on site at time of inspection.

In lieu of using conventional means to bond pool water there are listed products available that allow a contractor to satisfy this code requirement a sampling of which can be found at the following websites.

<http://waterbonder.com/>

<http://www.bondsafe680.com/>

<http://permacastonline.com/>

CONCLUSION

The Town of Palm Beach Shores always has been and remains committed to making our community as safe as possible. The use of residential swimming pools is no exception. This is of special concern since we have a large number of swimming pools and the majority is accessible to children. In view of the foregoing, all future inspections will be looking to ensure this type of bonding prior to the introduction of pool water.



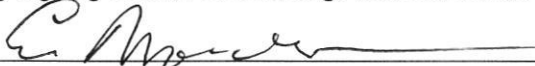
OWNER ACKNOWLEDGEMENTS AND CERTIFICATIONS

Town of Palm Beach Shores Building Department

I (We) affirm and certify that I (We) understand and will comply with all provisions and regulations of the Town of Palm Beach Shores, Florida. I (We) understand that if this Application is approved by the Town, the aforementioned real property described herein will be considered, in every respect, to be a part of the Town of Palm Beach Shores and will be subjected to all applicable laws, regulations, taxes and police powers of the Town including the Comprehensive Plan and Zoning Ordinance. I (We) further certify that all statements and diagrams submitted herewith are true and accurate to the best of my (our) knowledge and belief. Further, I (We) understand that this Application and attachments become part of the Official Records of the Town of Palm Beach Shores, Florida and are not returnable. I (We) acknowledge that no permit will be issued before all fees associated with Application are paid.

1. Owner acknowledges and understands that the fee for site plan review, architectural/aesthetic review, variance, special exception, rezoning, etc. **may not cover all review costs**. A final statement of any outstanding costs (covering advertising costs, legal, architectural and other consultant costs) will be sent to the applicant upon completion of the review process. Owner accepts financial responsibility for all costs incurred as a result of this Application.
2. A construction schedule is required of all developers during the development process. The Planning and Zoning Board must approve your proposed construction schedule.
3. The Town requires payment of impact fees for floor area added during the development, re-development or renovation of a property. These impact fees will be used to pay for capital improvements relative to Fire Protection, Police Protection, Parks & Recreation and Public Buildings. Impact fees must be paid to the Town before a Certificate of Occupancy will be issued.
4. Roll-off dumpsters for construction/demolition debris and solid waste must be rented through the Town's contracted solid waste hauler, Waste Management.
5. Final as-built plans must be submitted to the Town in digital form, preferably in PDF format.

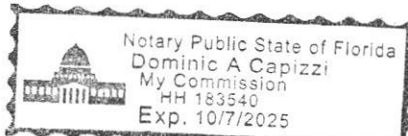
By signing below, I acknowledge that I have read and understand the five (5) items listed above.


Signature of Owner

10-27-23
Date

Eric Woodward
Printed Name of Owner

STATE OF FLORIDA
PALM BEACH COUNTY:



The foregoing instrument was acknowledged before me by means of ☒ physical presence or ☐ online notarization this 21st day of NOV 2023, by ERIC Woodward, who is personally known to me or has produced 71DL (type of identification) as identification and who did/did not take an oath (circle response).


(Seal)



NOTARY PUBLIC, State of Florida

AUTHORIZATION OF AGENT & ACKNOWLEDGEMENT OF FINANCIAL RESPONSIBILITY

Consent to an agent is required from the property owner(s) and contract purchaser, if applicable, if the property owner(s) or contract purchaser does not intend to attend all meetings and public hearings and submit it person all material pertaining to the Application. Consent to a firm shall be deemed consent for the entire firm, unless otherwise specified. This form shall serve as consent for the agent identified below to prepare or have prepared all documents for the Application affecting property I (We) have an ownership interest in.

I (We) hereby designate and authorize the below-signed person to act as my (our) agent in regard to this Application and accept financial responsibility for any costs incurred by the agent as a result of this Application. Further, I (We) acknowledge that no permit will be issued before all fees associated with Application are paid.

Signature of Owner or Trustee

Date

STATE OF FLORIDA PALM BEACH COUNTY:

The foregoing instrument was acknowledged before me by means of ☐ physical presence or ☐ online notarization this _____ day of _____, 20____, by _____, who is personally known to me or has produced _____ (type of identification) as identification and who did/did not take an oath (circle response).

(Seal)

NOTARY PUBLIC, State of Florida

Agent Information:

Printed Name of Agent

Name of Firm

Signature of Agent

Date





AUTHORIZATION OF AGENT & ACKNOWLEDGEMENT OF FINANCIAL RESPONSIBILITY

Consent to an agent is required from the property owner(s) and contract purchaser, if applicable, if the property owner(s) or contract purchaser does not intend to attend all meetings and public hearings and submit it person all material pertaining to the Application. Consent to a firm shall be deemed consent for the entire firm, unless otherwise specified. This form shall serve as consent for the agent identified below to prepare or have prepared all documents for the Application affecting property I (We) have an ownership interest in.

I (We) hereby designate and authorize the below-signed person to act as my (our) agent in regard to this Application and accept financial responsibility for any costs incurred by the agent as a result of this Application. Further, I (We) acknowledge that no permit will be issued before all fees associated with Application are paid.

Eric Woodworth

Signature of Owner or Trustee

10-27-23

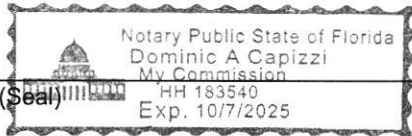
Date

STATE OF FLORIDA
PALM BEACH COUNTY:

The foregoing instrument was acknowledged before me by means of ☒ physical presence or ☐ online notarization this 21st day of

NOV 2023, by Eric Woodworth, who is personally known to me or has

produced FLDL (type of identification) as identification and who did/did not take an oath (circle response).



[Signature]

NOTARY PUBLIC, State of Florida

Agent Information:

Printed Name of Agent

Name of Firm

Signature of Agent

Date



**ACKNOWLEDGEMENT OF
OWNER RESPONSIBILITY FOR POOL SAFETY**

Town of Palm Beach Shores
Building Department

Permit No. _____

Owner Eric Woodworth
(Print name)

Address 222 Claremont Lane

When a pool permit is issued, I understand that it is my responsibility as owner of the property to provide safety enclosures and barriers pursuant to Florida Building Code Chapter 424, Florida Statute 515 and ANSI/NSPI-8.

These safety enclosures and barriers will be installed and in working order at time of final pool inspection.

Signature of Owner

THIS DOCUMENT MUST BE NOTARIZED

STATE OF FLORIDA
PALM BEACH COUNTY

The foregoing instrument was acknowledged before me by means of ☒ physical presence or ☐ online notarization this 21st day of Nov, 2023, (Year), by Eric Woodworth, who is personally known to me _____ or has produced FI DL as identification and who did or did not take an oath.

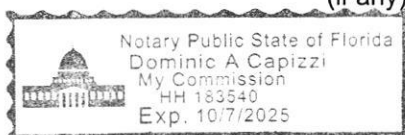
NOTARY PUBLIC

Signature

Printed Dominic A. Capizzi

My Commission Expires _____ Serial # _____
(if any)

Official Stamp / Seal:



For information on pool enclosure and barrier requirements, please contact the Palm Beach Shores Building Dept, Monday through Friday, 8:30 AM to 4:30 pm.

TOWN OF PALM BEACH SHORES
247 Edwards Lane,
Palm Beach Shores, Florida 33404
Phone: (561) 844-3457 Fax: (561) 863-1350

Woods Electric Services LLC
3726 Royal Cypress Lane
Lake Worth, FL 33467
(561)-790-4877
woodselectricservices@gmail.com
Lic # EC13011645

Print Form

Electrical Load Calculations

Electrical Contractor: Woods Electric Services LLC

Phone No.: 561-790-4877

Fax No.: _____

Project: Woodsworth-New Swim Pool Location: 222 Claremont Lane WPB, FL 33404

Existing Service Feeder Size: _____

Existing Panel Size: 1x30+1x12=42

Main Breaker Size: 200amp

Number of Breakers: 1x25+1x12=37

Existing Loads

1902 Sq. ft. x 3 watts per sq. ft.
3 Appliance cir. @ 1500 watts each
1 Laundry cir. @ 1500 watts each
1 Range @ 8 kw
Dishwasher and disposal @ 1500 watts each
Microwave @ 2000 watts
1 Water heater @ 4.5 kw
Tankless water heater
1 Dryer @ 5 kw
1 Refrigerator @ 1500 watts
2 Bathroom 1 @ 1500 watts
Sprinkler Pump
Other _____
Other _____
Other _____

5706 watts
4500 watts
1500 watts
8000 watts
watts
watts
4500 watts
watts
5000 watts
1500 watts
3000 watts
watts
watts
watts
watts

Sub Total 33706 watts

New Loads

1 Pool pump
4 Pool light
1 Heat pump
1 Chlorine generator
1 Air blower
Boatlift
Other _____
Other _____
Other _____

3480 watts
100 watts
10080 watts
240 watts
600 watts
watts
watts
watts
watts

Total 48506 watts

1 First 10 kw @ 100%
1 Remainder @ 40%
1 A/C heat @ 100%

10000 watts
15403 watts
8000 watts

Total watts 33403 Divided by 240 volts = 139 Amps

Prepared by: Joe Mendiguren

Date: 10-10-2023

ADA Accessibility Disclosure Statement – This document may be reproduced upon request in an alternative format by contacting the County ADA Coordinator (772) 320-3131, the County Administration Office (772) 288-5400, Florida Relay 711, or by completing our accessibility feedback form at www.martin.fl.us/accessibility-feedback.

IntelliChlor
2020

Troubleshooting

Note: Turn off power to unit before attempting to service or repair.

Problem	Possible Cause	Corrective Action
The IntelliChlor green power light on the control panel is not on.	Fuse in Power Center is open.	Replace 10 AMP fuse, located on the main circuit board.
	No AC power to Power Center.	Verify time clock is providing 110 VAC or 220 VAC to Power Center when active.
	Transformer leads not wired correctly in Power Center.	Verify transformer leads wired to AC source by referring to wiring diagram decal on inside of Power Center cover.

Electrical Specifications

Circuit Protection: Two-pole 20 AMP device at the electrical panel.

IntelliChlor Salt Chlorinator Model IC20

Input: 90-130 VAC, 50/60 Hz, 220 Watts (2 AMP) or 220-240 VAC, 50/60 Hz, 220 Watts (1 AMP).

Output: 22-39 VDC @ 7.3 AMPS maximum from the Power Center.

IntelliChlor Salt Chlorinator Model IC40

Input: 90-130 VAC, 50/60 Hz, 220 Watts (2 AMP) or 220-240 VAC, 50/60 Hz, 220 Watts (1 AMP).

Output: 22-39 VDC @ 7.3 AMPS maximum from the Power Center.

IntelliChlor Salt Chlorinator Model IC40

Input: 90-130 VAC, 50/60 Hz, 220 Watts (2 AMP) or 220-240 VAC, 50/60 Hz, 220 Watts (1 AMP).

Output: 22-39 VDC @ 7.3 AMPS maximum from the Power Center.

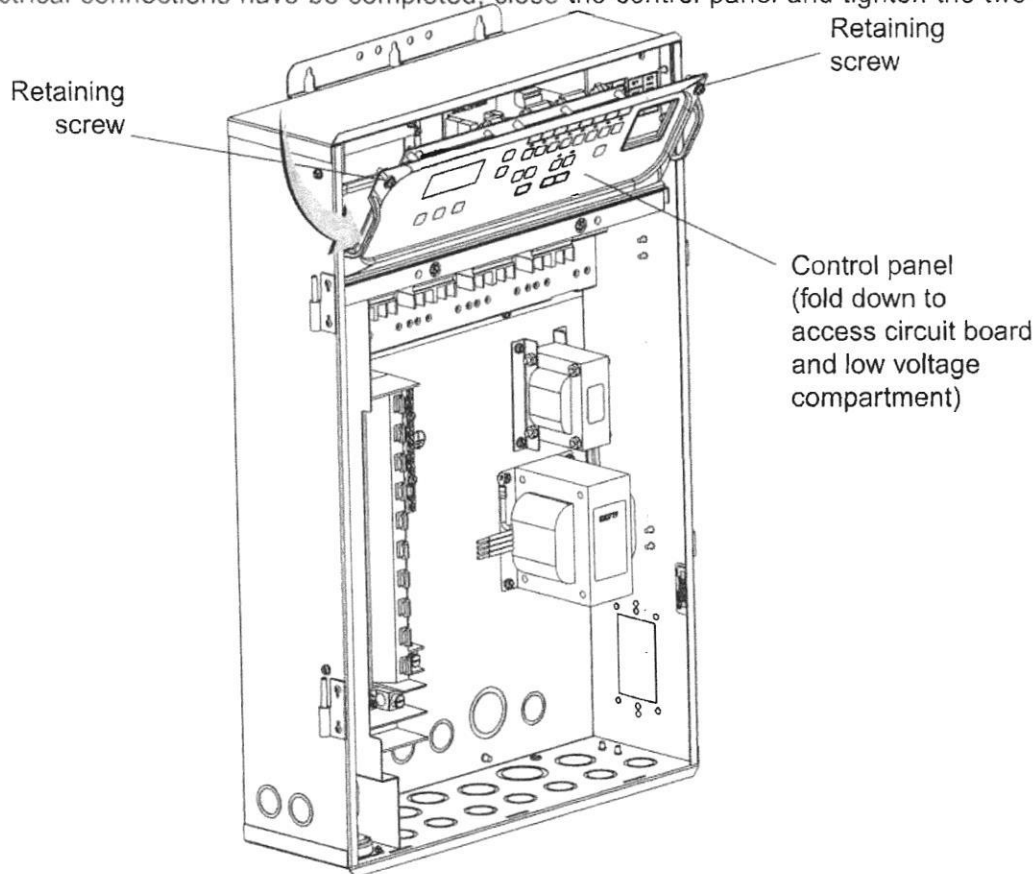
IMPORTANT: When using IntelliChlor® Salt Chlorinator with an IntelliTouch® Control System, EasyTouch® Control System or SunTouch® Control System, it is recommended to wire the Power Center to the PUMP SIDE OF THE RELAY located in the automation control system load center. This method does not require a ground fault circuit-interrupter (GFCI) to protect the circuit.

Accessing the EasyTouch® or IntelliTouch® Control Circuit Board and Electronics

The main EasyTouch and IntelliTouch Control System circuit board is located behind the control panel located on the front of the Load Center and Power Center. The main circuit board provides connectors for the auxiliary relays, valve actuators and sensors. To access the circuit board connectors, fold down the main control panel. Note: For IntelliTouch Personality circuit board models, see pages 40-42.

To access the control circuit board connectors:


1. Loosen the two retaining screws securing from the top edge of the control panel.
2. Fold down the control panel to access the rear of the circuit board for the electrical connections.
3. For relay, valve actuators and sensors installation and connection instructions see the following:
 - **Connecting EasyTouch System Relays**, page 11
 - **Connecting IntelliTouch System Relays**, page 12
 - **Installing Valve Actuators**, page 13
 - **Installing and Connecting Temperature Sensors**, page 15
4. After electrical connections have been completed, close the control panel and tighten the two



Load Center (front view)
(front door and high voltage compartment panel removed)

- To avoid obstruction into the Load Center and Power Center, when using electrical conduit complete the installation of the conduit before concrete is poured. Also, underground conduit should be positioned in well compacted soil. Ensure that all conduit joints are well sealed and watertight.

To install electrical conduit and conductors as needed



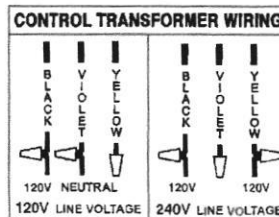
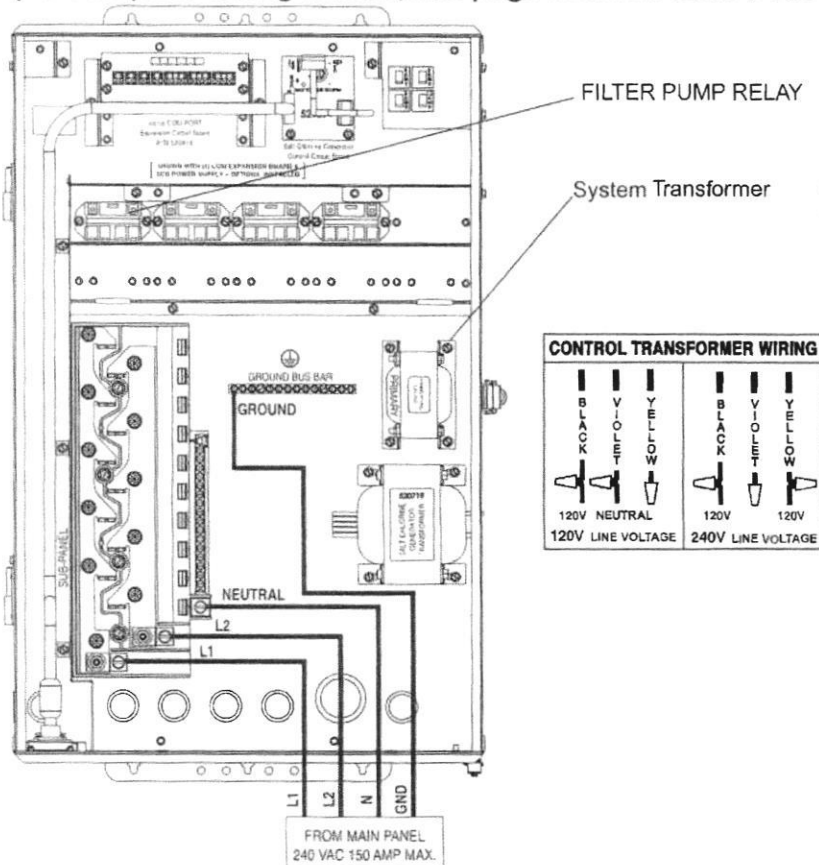
TO AVOID AN ELECTRICAL HAZARD - Do not connect the power source conductors to the Load Center circuit breaker until all electrical connections for all loads (heaters, pumps, motorized valves, and lights etc.) have been completed.

- Use the rectangular knockout on the right side of the Load Center and Power Center enclosure to mount an approved GFCI or GFCB with rainproof type 3R cover (supplied by installer) for direct connection of underwater pool and spa lights.
- Use the one of the three low voltage raceway 3/4" holes located on the underside of the enclosure for the temperature sensor conductors (see page 7).

NOTICE: For the AC supply conductor into the Load Center and Power Center from the main circuit breaker at the house, use three conductors, one each for red, black, and white (or red, red and black for 240 VAC). The maximum load is 150 AMP at 120 VAC/240 VAC 60 Hz/50 Hz. These conductors should be secured to supply side of circuit breaker base. For the main AC power conduit, it is recommended to use the 1 1/4" x 1" conduit knockout located directly under the enclosure circuit breaker (see page 7).

EasyTouch Load Center Wiring Diagram

(for complete wiring details, see page 32 and inside front door of load center)



EasyTouch Control System Load Center

- For Wiring IntelliChlor (SCG) Transformer to Filter Pump Relay, see page 24.
- For Rewiring the System Transformer for 240 VAC, see page 27.

Ultratemp - 2020

TECHNICAL INFORMATION

ENGLISH

Electrical Supply - Voltage Requirements

Models	70	90	110	120	120 H/C	140	140 H/C	120G	140C
Voltage/Phase/Hz	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/3/60	208-230/3/60
Min. Circuit Ampacity (Amp)	33	40	42	42	42	43	43	34	35
Recommended Fuse Size	40	50	50	50	50	50	50	50	50
Max Fuse Breaker Size	50	60	70	70	70	70	70	60	60
Compressor/Fan Motor/System RLA	25/2/27	31/2/33	32/2/34	32/2/34	32/2/34	32/3/35	32/3/35	25/2/27	25/3/28
Compressor/Fan Motor/System LRA	134/4/138	178/4/182	148/4/152	185/4/189	185/4/189	185/11/196	185/11/196	164/4/168	164/11/175
Compressor/Fan Motor/System MCC	39/NA/NA	49/NA/NA	50/NA/NA	50/NA/NA	50/NA/NA	50/NA/NA	50/NA/NA	39/NA/NA	39/NA/NA
Capacity (Btu/h) 80A-80RH-80W *	75,000	90,000	110,000	127,000	125,000	145,000	140,000	122,000	140,000
COP 80A-80RH-80W *	5.9	5.8	6.1	5.7	5.5	5.8	5.6	5.5	5.7
Power Input, KW (80A-80RH-80W) *	3.8	4.6	5.3	6.5	6.6	7.2	7.3	6.5	7.1
Current, Amp (80A-80RH-80W) *	18	21	26	30	31	33	34	19	21
Capacity (Btu/h) 80A-63RH-80W **	70,000	85,000	101,000	120,000	118,000	135,000	132,000	114,000	130,000
COP 80A-63RH-80W **	5.7	5.6	5.8	5.5	5.3	5.6	5.4	5.3	5.5
Power Input, KW (80A-63RH-80W) *	3.6	4.5	5.1	6.4	6.5	7.0	7.2	6.3	7.0
Current, Amp (80A-63RH-80W) *	17	20	25	29	30	32	33	19	21
Capacity (Btu/h) 50A-63RH-80W ***	50,000	60,000	70,000	80,000	80,000	90,000	85,000	76,000	85,000
COP 50A-63RH-80W ***	4	4	4	4	4	4	4	4	4
Power Input, KW (50A-63RH-80W) *	3.6	4.4	5.3	6	6	6.4	6.2	5.7	6.2
Current, Amp (50A-63RH-80W) *	17	19	24	27	28	29	29	18	21
Shipping Weight (lbs) ****	250	250	270	270	278	320	320	280	320
Shipping Size (L x W x H)	43"x34"x39"	43"x34"x39"	43"x34"x51"	43"x34"x51"	43"x34"x51"	43"x34"x46"	43"x34"x46"	43"x34"x51"	43"x34"x46"

* 80A-80RH-80W: 80° F Air Temp, 80% RH, 80° F Water Inlet Temp.

** 80A-63RH-80W: 80° F Air Temp, 63% RH, 80° F Water Inlet Temp.

*** 50A-63RH-80W: 50° F Air Temp, 63% RH, 80° F Water Inlet Temp.

**** Add 50 lbs. for Pallet and Packaging.

COP = Coefficient of Performance

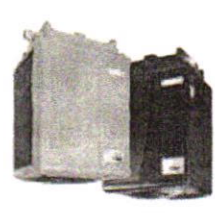
If voltage drops below 208V, this may damage the heat pump and void the warranty. Take proper steps to ensure correct voltage at the heat pump during operation.

Temperature Resistance Chart

*Temperature Resistance Chart									
°F	OHMS	°F	OHMS	°F	OHMS	°F	OHMS	°F	OHMS
0	85,387	51	19,377	66	13,136	81	9,076	96	6,382
10	62,479	52	18,870	67	12,809	82	8,861	97	6,238
20	46,225	53	18,377	68	12,491	83	8,651	98	6,097
30	34,561	54	17,899	69	12,182	84	8,447	99	5,960
40	26,100	55	17,435	70	11,882	85	8,249	100	5,827
41	25,391	56	16,985	71	11,589	86	8,056	101	5,697
42	24,704	57	16,548	72	11,305	87	7,867	102	5,570
43	24,037	58	16,123	73	11,029	88	7,684	103	5,446
44	23,391	59	15,711	74	10,761	89	7,506	104	5,326
45	22,764	60	15,310	75	10,500	90	7,333	105	5,208
46	22,156	61	14,921	76	10,246	91	7,164	106	5,094
47	21,566	62	14,543	77	9,999	92	6,999	107	4,982
48	20,993	63	14,176	78	9,758	93	6,839	108	4,873
49	20,438	64	13,820	79	9,525	94	6,683	110	4,664
50	19,900	65	13,473	80	9,297	95	6,530	120	3,758

ULTRATEMP®

HIGH-PERFORMANCE HEAT PUMP



COMPARING THE COST TO HEAT YOUR POOL AND SPA

Heater/Fuel Type	Efficiency	Cost Per Unit	Unit of Measure	BTU/\$1.00
UltraTemp Heat Pump	5.80	\$0.12	kWh	164,962
Natural Gas Heater	0.84	\$1.13	Therm.	74,336
No.2 Heating Oil Heater	0.75	\$3.75	Gal.	36,933
Electric Resistance Heater	1.00	\$0.12	kWh	28,442
L.P. Gas Heater	0.84	\$2.73	Gal.	28,000

*Costs are based on 2013 national average fuel costs and efficiencies (source: Federal Register). Please consult your local provider for current pricing.

ULTRATEMP HEAT PUMP ORDERING INFORMATION

Model	Part # (Almond)	Part # (Black)	80/80/COP*	80/63/80*	50/63/80*	Breaker Size (amp)	Voltage (V/Hz/Phase)	Dimensions (LxWxH)
UltraTemp 70	460930	460960	75,000/5.8	70,000/5.7	50,000/4.1	40	230/60Hz/1	39x31x33.5
UltraTemp 90	460931	460961	90,000/5.7	84,000/5.5	60,000/4.0	50	230/60Hz/1	39x31x33.5
UltraTemp 110	460932	460962	108,000/6.0	101,000/5.8	72,000/4.0	50	230/60Hz/1	39x31x44.5
UltraTemp 120H/C	460935	460965	127,000/5.6 (Heat) 71,000/4.1 (Cool)	120,000/5.4	82,000/4.0	50	230/60Hz/1	39x31x44.5
UltraTemp 120C	460937	460967	123,000/5.6	115,000/5.3	81,000/4.0	50	230/60Hz/3	39x31x44.5
UltraTemp 1200	460833	460863	127,000/5.7	120,000/5.5	82,000/4.0	50	230/60Hz/1	39x31x48.2
UltraTemp 140	460834	460864	143,000/5.8	134,000/5.6	88,000/4.0	50	230/60Hz/1	39x31x44.5
UltraTemp 140H/C	460958	460959	140,000/5.6 (Heat) 71,000/4.1 (Cool)	132,000/5.4	85,000/4.0	50	230/60Hz/1	39x31x44.5
UltraTemp 140C	460928	460929	140,000/5.8	132,000/5.6	86,000/4.0	50	230/60Hz/3	39x31x44.5

*Rating in accordance with ARI Standard 130 (air temp: 71°F, relative humidity/water temp: 71°F)



TRADEGRADE



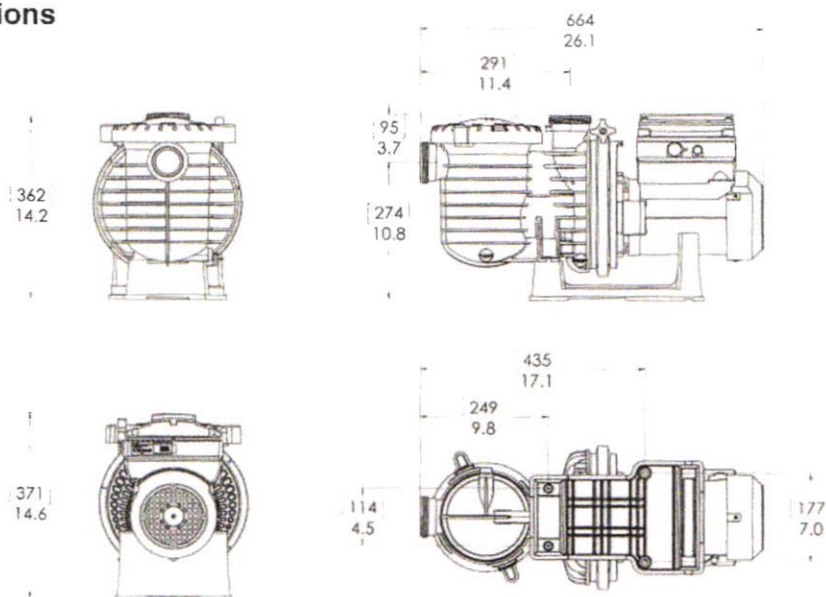
The UltraTemp High Performance Heat Pump has earned the Eco Select award from one of the world's most demanding pool professionals. The UltraTemp High Performance Heat Pump is sold by the world's most reputable dealers. The UltraTemp High Performance Heat Pump is sold by the world's most reputable dealers. The UltraTemp High Performance Heat Pump is sold by the world's most reputable dealers.

1620 Hawkins Ave | Sanford, NC 27330 | United States | 800.831.7133 | pentair.com

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TECHNICAL DATA

Pump Dimensions



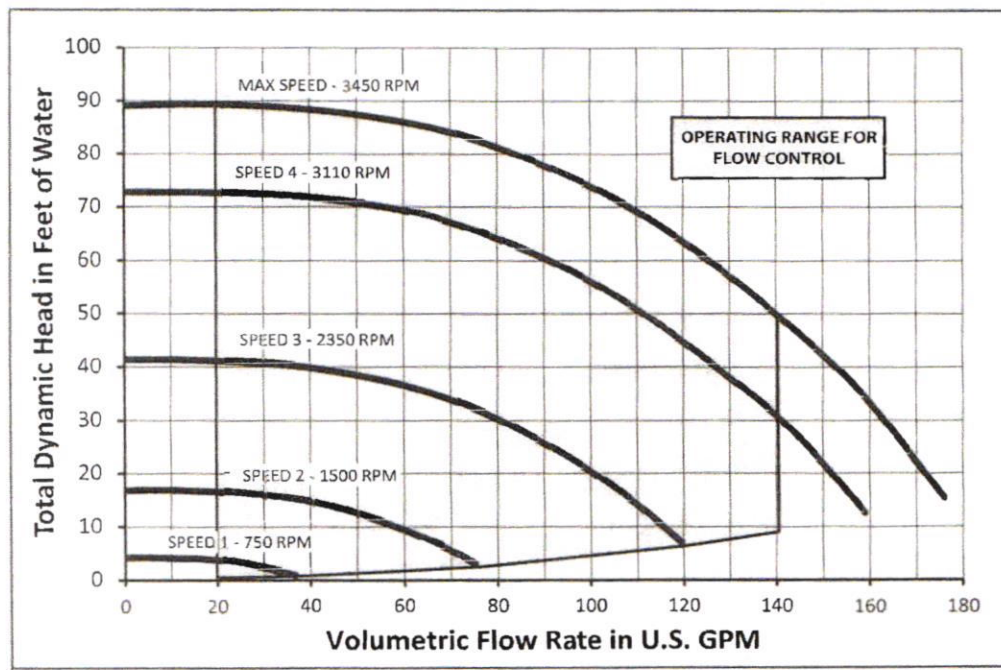
Electrical Specifications

Circuit Protection: Two-pole 20 AMP device at the Electrical Panel.

Input: 230 VAC, 50/60 Hz, 3200 Watts Maximum, 1 phase

WEF 6.6 THP 3.95

Pump Performance Curves



TDH CALCULATOR

STEP 1
POOL SPECIFICATIONS

STEP 2
SELECT EQUIPMENT

STEP 3
TDH CALCULATION

STEP 3 OF 3: TDH CALCULATION Woodworth

Pool Specifications

Spa Jet System Maximum Flow Rate

EDIT

Pool Volume (gallons): 13819.00 gallons

Suction Lift: 1.50 ft

Turn Over (hours): 6.00 hours

Filtration Flow Rate: 38.39 GPM

Design Flow Rate 72.00 GPM

Selected Components

EDIT

Components

SELECTION QUANTITY



3/8 INCH RETURN

6



CLEAN AND CLEAR

1



INTELLICHLOR IC - 40

1



2" X 2.5" 3 WAY VALVE

2



MAIN DRAIN

1



ULTRATEMP

1

Pump

SELECTION / MODEL QUANTITY



INTELLIPRO VS OR VSF

1

Piping

MAXIMUM PIPE VELOCITY (FT/SEC)
(CONSULT YOUR LOCAL CODE)

SUCTION OUTLET 8

DISCHARGE 8

TOTAL PIPING LENGTHS (FT)

INLET 82.00

DISCHARGE 83.00

SELECTION

QUANTITY



90 DEGREE ELBOW

INLET 11

DISCHARGE 16



TEE BRANCH

INLET 1

DISCHARGE 1



CHECK VALVE

INLET 0

DISCHARGE 1



TEE THROUGH

INLET 0

DISCHARGE 1

Results: Your TDH Calculation

BE SURE TO PROVIDE A VGB-COMPLIANT SUCTION OUTLET COVER WITH A MAXIMUM APPROVED FLOW RATE EQUAL TO OR GREATER THAN THE

REQUIRED MINIMUM PIPE SIZE

Inlet Piping:	2.50	Discharge Piping:	2.50
---------------	------	-------------------	------

AT THE FILTRATION FLOW RATE

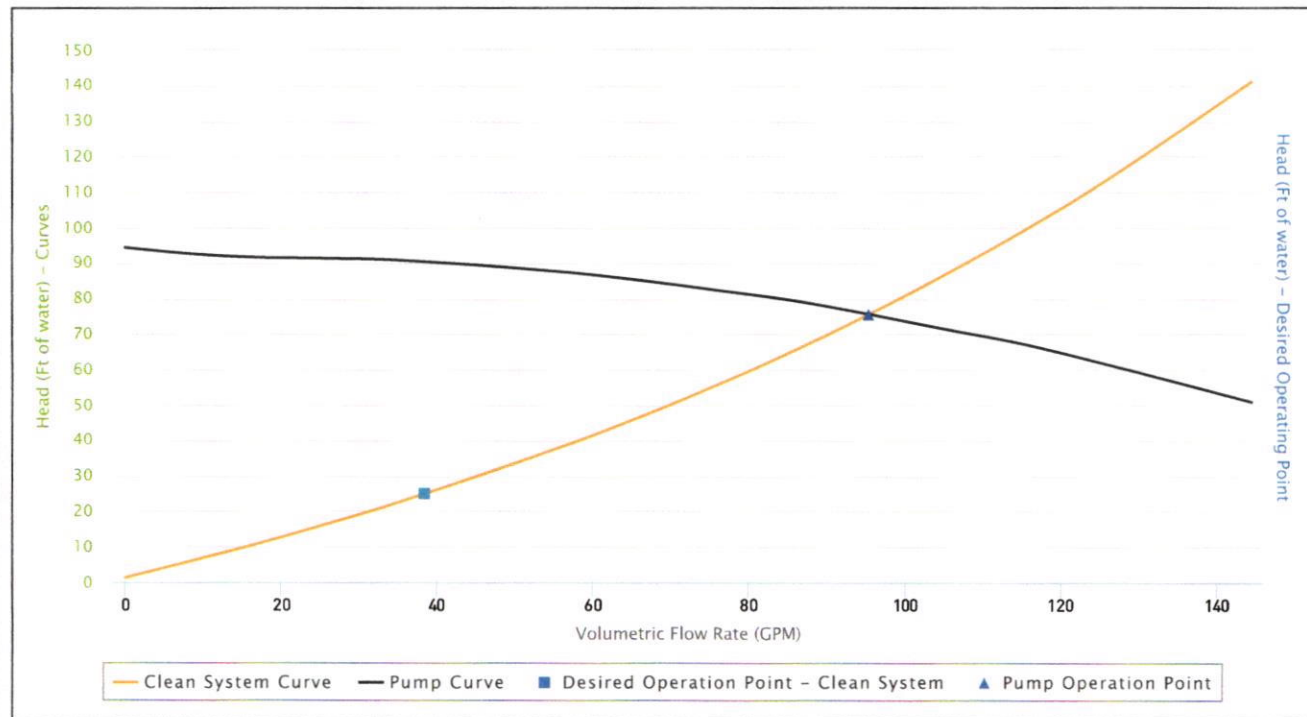
Pump Speed at the Filtration Flow Rate	0 RPM
Head Loss at the Filtration Flow Rate	24.90 FT

AT THE PUMP MAXIMUM SPEED

Flow Rate at Max Pump RPM:	95.39 GPM
Head Loss at Max Pump RPM:	75.55 FT

SYSTEM HEAD PRESSURE CURVE

BY PUMP SELECTION

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TDH CALCULATOR

















































STEP 1
POOL SPECIFICATIONS

STEP 2
SELECT EQUIPMENT

STEP 3
TDH CALCULATION

STEP 3 OF 3: TDH CALCULATION Woodworth

Pool Specifications		Pool system max filtration rate & max system flow rate		EDIT
Pool Volume (gallons):	13819.00 gallons	Suction Lift:	1.50 ft	
Turn Over (hours):	6.00 hours			
Filtration Flow Rate:	38.39 GPM	Design Flow Rate	38.39 GPM	

Selected Components		EDIT																		
<table border="1"> <thead> <tr> <th colspan="2">Components</th> </tr> <tr> <th>SELECTION</th> <th>QUANTITY</th> </tr> </thead> <tbody> <tr> <td>  3/4 INCH RETURN </td> <td>4</td> </tr> <tr> <td>  CLEAN AND CLEAR </td> <td>1</td> </tr> <tr> <td>  INTELLICHLOR IC - 40 </td> <td>1</td> </tr> <tr> <td>  2" X 2.5" 3 WAY VALVE </td> <td>2</td> </tr> <tr> <td>  MAIN DRAIN </td> <td>1</td> </tr> <tr> <td>  ULTRATEMP </td> <td>1</td> </tr> <tr> <td>  2" X 2.5" 2 WAY VALVE </td> <td>1</td> </tr> </tbody> </table>			Components		SELECTION	QUANTITY	 3/4 INCH RETURN	4	 CLEAN AND CLEAR	1	 INTELLICHLOR IC - 40	1	 2" X 2.5" 3 WAY VALVE	2	 MAIN DRAIN	1	 ULTRATEMP	1	 2" X 2.5" 2 WAY VALVE	1
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Results: Your TDH Calculation

BE SURE TO PROVIDE A VGB-COMPLIANT SUCTION OUTLET COVER WITH A MAXIMUM APPROVED FLOW RATE EQUAL TO OR GREATER THAN THE FLOW RATE SHOWN AT THE MAXIMUM PUMP SPEED, BELOW.

REQUIRED MINIMUM PIPE SIZE

Inlet Piping: 2.50 Discharge Piping: 2.50

AT THE FILTRATION FLOW RATE

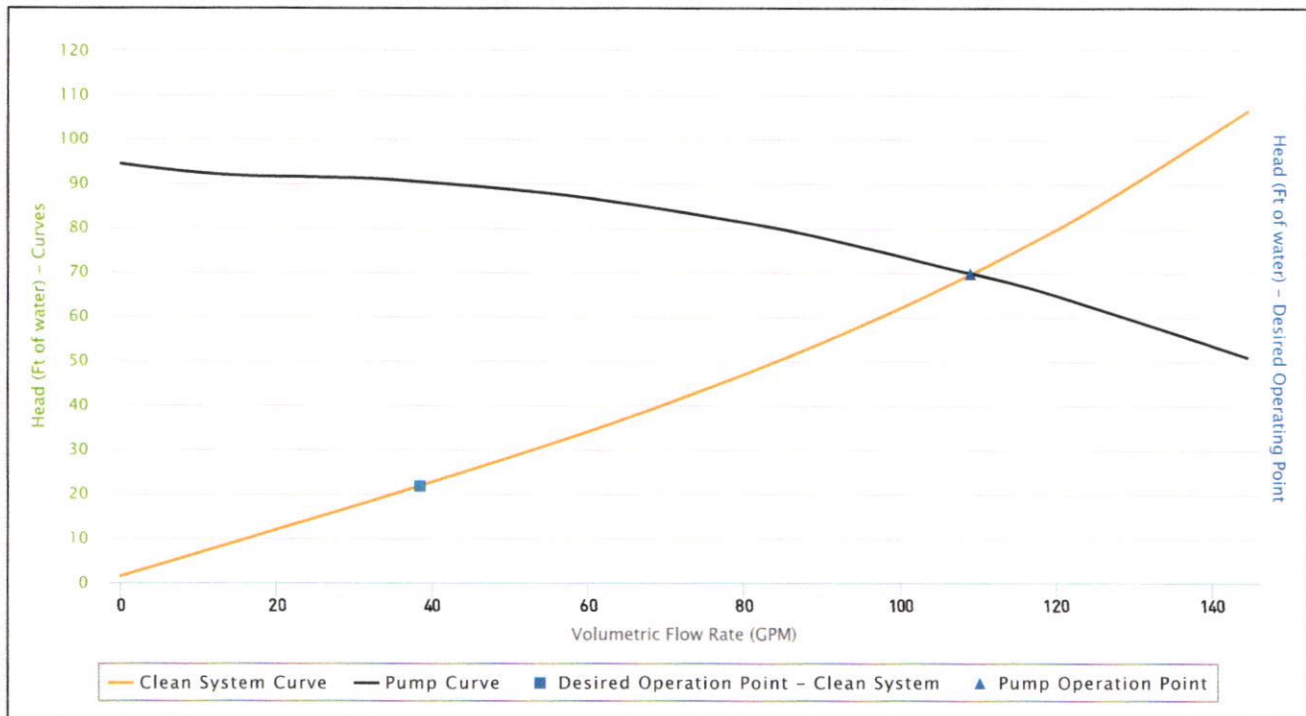
Pump Speed at the Filtration Flow Rate: 0 RPM
Head Loss at the Filtration Flow Rate: 21.73 FT

AT THE PUMP MAXIMUM SPEED

Flow Rate at Max Pump RPM: 109.01 GPM
Head Loss at Max Pump RPM: 69.66 FT

SYSTEM HEAD PRESSURE CURVE

BY PUMP SELECTION



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Name: Abby Woodworth
 Address: 222 Claremont Ln, WPB, FL 33404
 Phone: 917-494-8357

Deposit	Pool Steel	Tile/Plumbing	Deck	Pre-Water	Final	Total
\$5,000	\$29,000	\$29,000	\$3,000	\$900		\$95,900

All RHR pools are constructed with a steel reinforced gunite shell, standard piping, 3-4 returns, one skimmer, one dedicated vacuum line, code-compliant safety drains, and a standard bench when applicable.

Excavation Type Large Machine Haul/Shuttle
 One load of rock and 8 hour excavation time are included in your excavation cost.

Swimming Pool Shape & Dimensions, Depth Custom Contemporary Resort Style Pool 15 x21 x30 3'-5"
 • 6x6 waterline tile (\$6 per SF Allowance) • Standard 2"x6" Bullnose Cap Tile
 • Interior Finish Gem
 • Three LED Lights

Spa Shape Rectangular Dimensions 8'x6' Height +18" raised
 # Jets 6 Light 1 LED Spillway Size 36" sloped spillway

Coping 8x16 std edge Travertine
 Deck Type/Square footage (Allowance) 1,000 Premium Travertine - sand set

Water Feature Options Top Existing Deck See below
 Deco Drain add 2" standard drain

(3) deck jets
 (\$2,400)

Electrical Hook Up
 Includes electrical hook up of one pump, light, one time clock, GFI receptacle as needed by code, and standard placement of light switch at equipment site. All controls are located at equipment site.

Safety Barrier
 Screen
 Baby Fence/Lineal Footage @ \$20.00 per LF Self Closing Gate # @ \$450 ea.

Door Alarms
 Perimeter Fence #

Gas Heater (gas permit, tank, & lines by others)
 Heat Pump (sub-panel not included) 140,000 BTU Ultratemp - Pentair

Sunshel/Beach Entry w/ umbrella rec.
 Variable Speed Pump Upgrade IntelliPro - VS2 Pentair

Automation "EasyTouch 8 w/ Screenlogic Bundle" + Control with Mobile App
 Salt Generator IC 40 - Pentair

Extra Lights / LED Lights
 Auto Fill (house hook up by owner/overflow (to deck edge) Lic. plumber+permit req. (\$400)

Pebbletec Upgrade
 Extra Skimmer/Plumbing

Demolition of Existing Areas Lift and stack existing back deck
 Footers

Miscellaneous (2) Non illuminated bubblers on shell
 Miscellaneous

Miscellaneous
 Miscellaneous Any additional work requested by building dept due to new requirements

Miscellaneous
 Miscellaneous will be billed additionally TBD

Miscellaneous
 Miscellaneous

TOTAL \$95,900

I have completely read and understand this entire contract. All information contained within this contract has been thoroughly explained to me. I understand that any changes made by owner to this contract will require a signed change order and additional fee. I understand by signing this contract I agree to all terms and conditions stated herein.

Signature _____ Date 8/14/23
 Print Name Abby Woodworth

715 Commerce Way, Suite #12 • Jupiter, FL 33458 • Phone: 561-748-1563 • Fax: 561-748-1564
 Email us at: rhpools.chloe@gmail.com Visit us on the web: rhpools.com

http://www.facebook.com/RHRPools/

Owner hereby acknowledges that the use of a swimming pool or spa can be dangerous. Owner assumes all risk inherent in the use of the pool or spa. Owner hereby relieves the Contractor of any responsibility or liability which may arise out of use of the pool, spa and/or equipment, etc., by Owner, his friends, or uninvited persons and resulting in injury and damage there from. In the event any claim or lawsuit is instituted, Owner agrees to defend the same at his own cost & expense, and agrees to hold Contractor harmless from any and all claims or damages which might arise therein. Contractor shall build swimming pool as described herein. Owner agrees and understands that in the event of labor or material cost increases greater than 5%, Contractor reserves the right to correspondingly increase the Total contract price with prior notice to Owner. Access will be provided and Owner assumes all responsibility for costs of clearance of or damage to anything in the access area, whether on Owner's property or other. Contractor shall not be responsible for damage to such items but not limited to curbs, sidewalks, driveways, sprinklers, lawns, trees & plants, etc. One load of rock and 8-hour excavation time are included in your excavation cost. If conditions at excavation are excessively wet due to high water table, weather, tides, etc., additional expenses can be incurred for additional rock (per load) and/or the necessity to modify the means of dirt removal (changing from dump trucks to bobcat.) Excessive underground organics such as tree stumps/roots and vegetation that require additional time to excavate will result in additional billing. Contractor will not be responsible for damage to pool, spa or equipment resulting from any natural cause such as but not limited to ground swells, flooding, hurricane damage, etc. All measurements to approximate waterline dimensions with 5% tolerances on all measurements. Contractor shall not be liable for construction made improper by zone changes or deed restrictions, nor shall Contractor be liable for obtaining or paying for any applicable homeowner's association permits/fees. Surveys, soil tests, termite spraying, compaction tests, de-rocking or de-mucking are the financial responsibility of Owner. All construction & mechanical details covered by this contract shall conform to structural & mechanical specifications. Contractor will not be responsible for the following: painting or pressure cleaning construction affected areas of the house, retrofitting the existing house to conform to current building requirements, damage to sea wall or tiebacks whatsoever, installation of backflow preventers and electric sub panels, deck cracking, shade variation of tile, brick pavers, and interior finishes, shade or texture variations of decorative deck toppings, expenses or staining incurred due to water that is not deemed acceptable by Contractor. Contractor relies upon Owner's representation that there exists adequate electrical power to operate & support electrical needs of the pool/spa & related electrical equipment. If any increase in service, including change of overhead or underground service, switches, panel, circuit boxes of the like are needed, the same shall be provided or done at Owner's expense. It is understood that such additions/changes are not covered in contract price. Contractor shall not be held liable for delay or failure hereunder when such delay or failure is due to conditions beyond its control including but not limited to weather & material delays, building divisions or homeowner association delays. Any changes made to shape, size, dimensions or options may be subject to additional fees. Water and electrical sources for use during construction shall be provided by Owner. Owner shall insure all materials and improvement that are brought to or placed on Owners property by Contractor including but not limited to heaters, filters, automated equipment etc., and shall pay Contractor the reasonable value thereof in the event of theft, wrongful removal, or damage caused by the acts of persons other than Contractor, its agents or employees. Contractor is not responsible for the repair/ replacement of any underground wells, sprinkler pumps or existing water or utility lines. All repairs/replacements are the full responsibility of Owner. No Owner may incur any expenditure to be charged to the Contractor or credited against this contract without previous written consent. Deposits are non-refundable. A \$30 fee will be issued for returned checks. Credit cards used for payments will result in a 3% fee. All change orders must be paid in full before pool interior finish and water can be installed. Any changes made to the project after permit submission will result in \$300 change order fee, per incident, plus cost of changes made to project.

Owner Responsibility

Sprinkler location, replacement and repair • Tree removal & dump fees • Sod installation • Electrical subpanels • All fill & grade work related to additional fill • All compaction, soil surveys & tests • Engineering tests • Termite spraying • Retrofitting house to conform to current building codes • All barriers (unless otherwise noted) • Gas lines & relocation of underground utilities. Owner shall submit to contractor remittance of amount invoiced within ten (10) days. A late fee of 10% of the outstanding amount due will be assessed if not paid within terms.

Warranty Information

WARRANTIES: Any product warranties are provided by the manufacturers of the products that Owner is purchasing. Contractor also provides a one-year workmanship warranty. All warranties will be delivered to Owner upon final payment. Owner should read all of the written warranties for complete details of warranty coverage. Commencement date for warranty period will begin at date of initial pool fill. Warranties as stated here within are contingent upon payment in full to contractor. All warranties are non-transferable.

Attorney's Fees Provision

In the event any litigation is brought relating to this agreement, including litigation brought to enforce or interpret the terms of this agreement, the prevailing party in such action shall be entitled to recover its attorney's fees and all costs and expenses incurred before institution of the action, after institution of the action, and on appeal, including attorney's fees and associated costs incurred for determining the actual amount of the attorney's fee and cost award. "Cost" is defined to include, but is not limited to, attorneys fees, long distance calls, copy charges, postage, courier service fees, overnight delivery fees, attorney's travel time, all depositions, witness fees, expert witness fees, expert witness travel time, and each and every other cost associated with the litigation or effort to collect sums due hereunder, and the parties specifically agree that the award of costs is not limited to those set forth in the Statewide Uniform Guidelines for Taxation of Costs in Civil Actions.

FLORIDA HOMEOWNERS' CONSTRUCTION RECOVERY FUND: PAYMENT, UP TO A LIMITED AMOUNT, MAY BE AVAILABLE FROM THE FLORIDA HOMEOWNERS' CONSTRUCTION RECOVERY FUND IF YOU LOSE MONEY ON A PROJECT PERFORMED UNDER CONTRACT, WHERE THE LOSS RESULTS FROM SPECIFIED VIOLATIONS OF FLORIDA LAW BY A LICENSED CONTRACTOR. FOR INFORMATION ABOUT THE RECOVERY FUND AND FILING A CLAIM, CONTACT THE FLORIDA CONSTRUCTION INDUSTRY LICENSING BOARD AT THE FOLLOWING TELEPHONE NUMBER AND ADDRESS: 1940 NORTH MONROE STREET, TALLAHASSEE, FL 32399-1039/PHONE: 850.487.1395

ANY CLAIMS FOR CONSTRUCTION DEFECTS ARE SUBJECT TO THE NOTICE AND CURE PROVISIONS OF CHAPTER 558, FLORIDA STATUTES.

BUYER'S RIGHT TO CANCEL: This is a home solicitation sale, and if you do not want the goods or services, you may cancel this agreement by providing written notice to the seller in person, by telegram, or by mail. This notice must indicate that you do not want the goods or services and must be delivered or postmarked before midnight of the third business day after you sign this agreement. If you cancel this agreement, the seller may not keep all or part of any cash down payment.



Signature

8/14/23

Date

Pool width **15'21"** Pool length **30'** Pool perimeter **102'** Pool depth **3' to 5'**
Pool volume **13,819gal.** Pool area **522 sq.ft.** Pool filtration pump **Pentair Intelliprop VSF**
Pool skimmer(s) **1** Pool inlets **4** Pool vacuum line **1** Pool light(s) **3 - LED**
Deck type **Pavers** Deck area **852 sq.ft.**
Heater info **Electric / Ultratemp/ 140,000btu**

Single unblockable suction outlet **1** Make & model **Custom Molded Plastics 25506-032-000**
 Max. listed cover flow rate **256gpm** Max. pool system flow rate **109.01gpm @ 69.66' TDH**

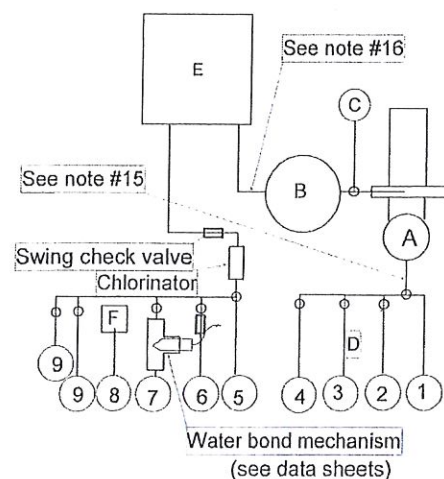
Suction pipe size; **** No branch piping when utilizing unblockable drain**
 Trunk line pipe size **2.5inch @ water velocity < 8fps**
 Return pipe size **2.5 inch @ water velocity < 10fps**
 Return pipe branch size **2.0inch @ water velocity < 10fps**

Width **6'** Length **8'** Perimeter **28'** Depth **3'** Area **48 sq.ft.**
Elevation **18" above pool** Inlet 1 in drain port for spillway Light(s) **1 LED**
Spa pump share pool pump - 1 pump spa "closed" system Number of therapy jets **6**

Single unblockable suction outlet
Max. listed cover flow rate **256gpm**

Trunk line pipe size	2.5 inch @ water velocity < 8fps
Return pipe size	2.5 inch @ water velocity < 10fps

Pipe sizes:	1"	1.5"	2"	2.5"	3"	4"
Nominal GPM @ 8fps	20	51	82	117	181	313
Nominal GPM @ 10fps	26	62	103	146	227	392

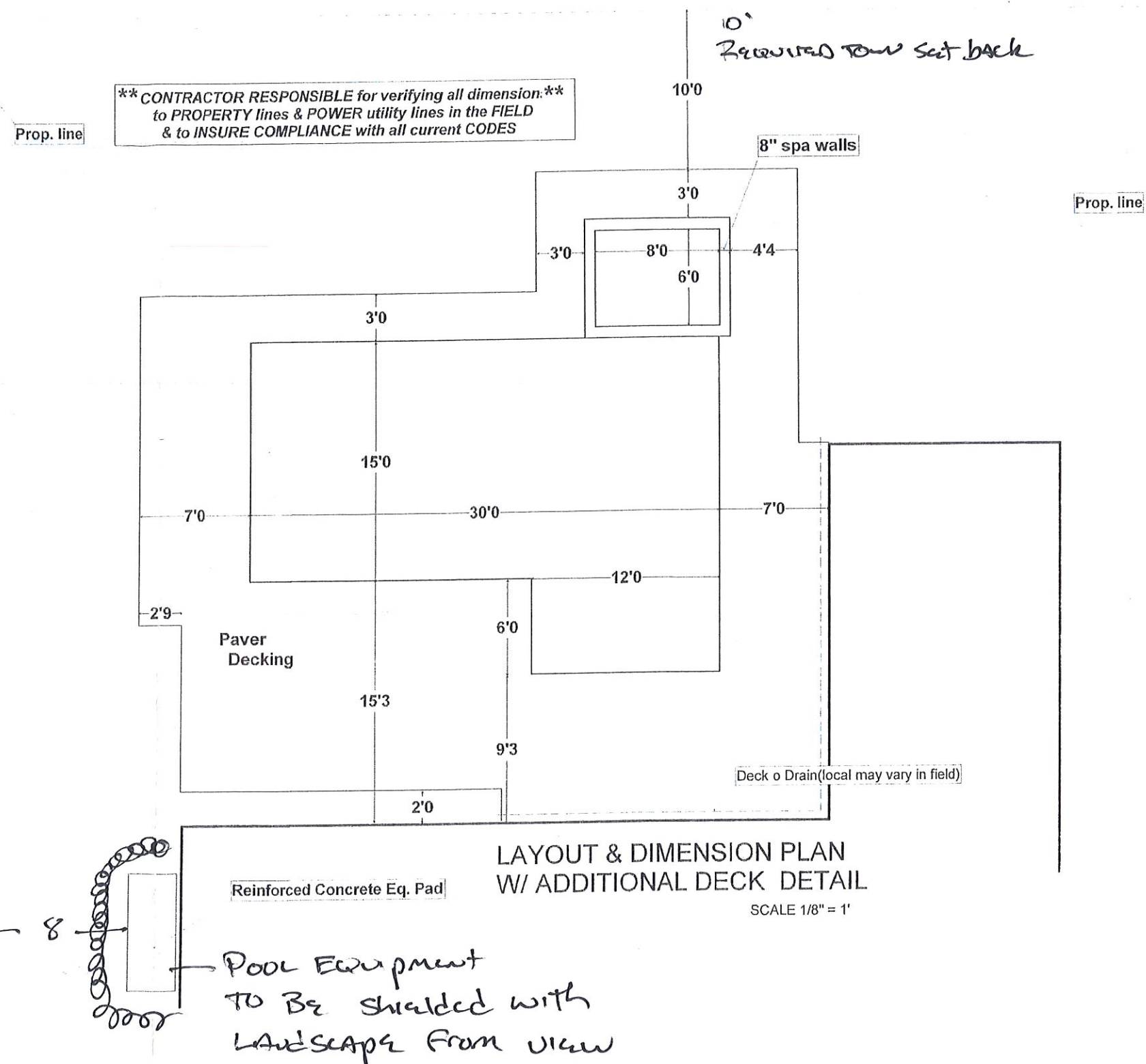


**** Circulatory piping from pool/ spa where it elbows up above dirt grade for circulation equipment "hook up" may be reduced from any size to 2" sch 40 piping ****

Equipment Schematic

- A) VARIABLE SPEED PUMP w/ APPROVED HAIR & LINT STRAINER
- B) CARTRIDGE FILTER w/ PRESSURE GAUGE & AIR RELIEF VALVE
- C) 1.5" TO WASTE OR DISCHARGE ON GROUND
- D) VALVES TYPICAL
- E) HEATER - ELECTRIC HEAT PUMP
- F) 1.0 HP AIR BLOWER
- 1) 2.5" SPA MAIN DRAIN LINE
- 2) 2.5 " POOL MAIN DRAIN LINE (Filtration)
- 3) 2 " SKIMMER LINE
- 4) 2 " VACUUM LINE
- 5) 2.5" SPA JET LINE FROM PUMP TO 1.5" PIPING AFTER 1ST TEE
- 6) 2 " SPA RETURN LINE
- 7) 2.5" POOL RETURN LINE 1ST LEG (from pump) TO 2" POOL RETURN 2ND LEG (after 1st " tee") TO 1.5" POOL RETURN PIPE THROUGH WALL
- 8) 2 " BLOWER LINE
- 9) 1.5" BUBBLER LINE

Equipment Scheme Key & PIPE SIZE KEY



Ronald
Glorsky

Digitally signed
by Ronald Glorsky
Date: 2023.09.22
10:21:19 -04'00'



This plan/ document will not be certified without dated digital or hand written signature. Paper copies of this plan/ document are only valid if endorsed by engineer's hand written signature.

Ronald Glorsky, P.E.
 FL Certificate # 13220
 e-mail: glorsky99@yahoo.com
 608 Lucern Ave., Lake Worth, FL 33460

Page 1 of 3

Ronald Glorsky, P.E.

FL Certificate # 13220
e-mail; glorsky99@yahoo.com
88 Lucern Ave., Lake Worth, FL 33460

CONTRACTOR;

RHR POOLS, Inc.

Lic.#U-17798
715 Commerce Way, suite 12
Jupiter, FL 33458

PROJECT;

Woodworth residence
222 Claremont Ln.
W.P.B., FL 33404

ANSI/ APSP - 15 CONFORMANCE

Calculate approved filtration rate;
Pool volume **13,819gal.** divided by 360 = **38.39gpm**
*If pool volume is < 13,000gal. flow rate to 36gpm

Minimum suction pipe size @ 6fps **2"**
Minimum suction branch pipe size @ 6fps
Minimum return side filtration pipe size @ 8fps **1.5"**
Minimum return side filtration branch pipe size @ 8fps **1.5"**

NOTE: pipe sizing requirements ONLY apply to filtration flow rate
piping NOT auxiliary load piping

Filter type **Pentair cc-200** Cartridge size; **200 sq.ft.**

Mimimum filter area per filter factor in the standard **200** x .375
= **75 gpm** (max. flow allowable through filter)

Pump selection as listed on Curve A (less than 17,000 gal)
Pump selection as listed on Curve C (greater than 17,000 gal)

Pump controls; **smart pump** on board computer

Filtration pump **Pentair Intellipro VSF**

Filtration pump no auxiliary load

Heater model **Pentair Ultratemp 140,000btu**

Heat pump efficiency C.O.P **> 4.0**

Pipe sizes:	1"	1.5"	2"	2.5"	3"	4"
Nominal GPM @ 6fps	15	38	62	88	136	234
Nominal GPM @ 8fps	20	51	82	117	181	313



Ronald
Glorsky

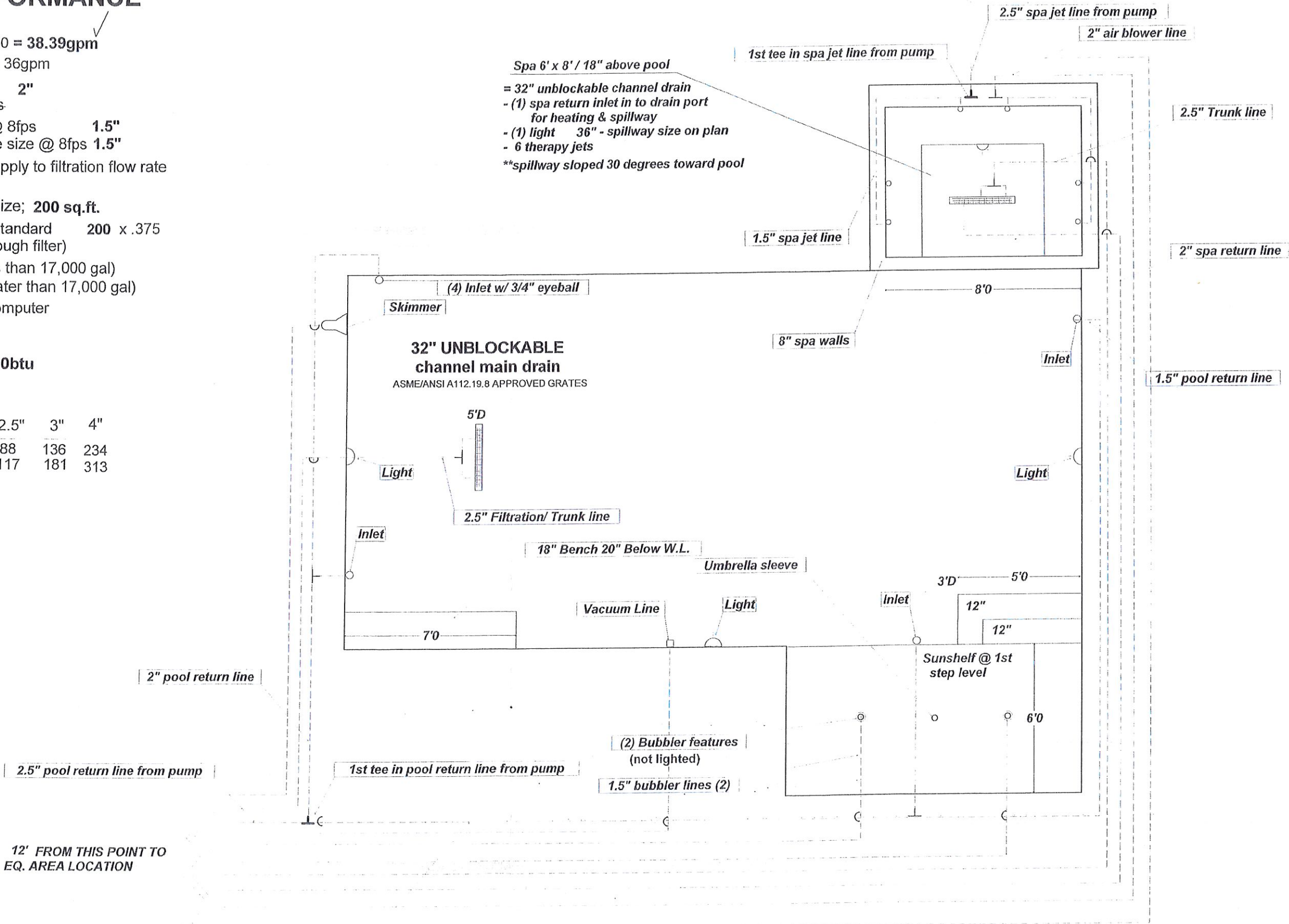
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by Ronald Glorsky
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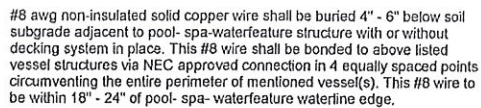
This plan/ document will not be certified without
dated digital or hand written signature. Paper
copies of this plan/ document are only valid if
endorsed by engineer's hand written signature.
Page 2 of 3

Ronald Glorsky, P.E.
FL Certificate # 13220
e-mail; glorsky99@yahoo.com
608 Lucern Ave., Lake Worth, FL 33460

2" pool return line

PLUMBING & GENERAL DETAIL PLAN
SCALE 1/4" = 1'





General Notes;

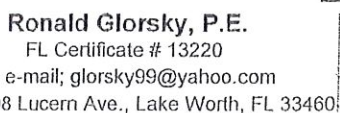
- ## Disclosures;

The engineer is not responsible for and has no liability for construction in set-back or easements or any encroachment there of even if this design is approved by local municipal authority.

Contractor is responsible for verifying existing conditions, house dimensions & property lines. The engineer does not go to specific sites & it is assumed existing conditions are "typical" in nature. Should anything differ from that specified herein or non-typical conditions exist, contractor to suspend work & contact engineer.

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Page 3 of 3



TYPICAL WALL/ FLOOR STRUCTURE DETAIL N.T.S.



RHR Pools

January 8, 2024

Re:

Construction Schedule for Woodworth Project

522 Claremont Lane

PB Shores, FL

Week (1-2) Yard Prep/Layout/Dig form & Steel /Inspection
Week (3) Gunite -Strip & Backfill-Compaction-Inspection
Week (4) Perimeter Plumbing-Inspection-Plumbing backfill
Week (5-6) Tile & Coping
Week (7-8) Exfiltration trench-Yard grade-Drainage lines-Engineering Inspection
Week (8) Equipbond Install & Inspection
Week (9-10) Install Decking -Pour EQ pad
Week (11) Set EQ -Run lights
Week (12) Electric hook up -Inspection
Week (13) Pool clean out -Owner to begin Landscaping /Sod
Week (14) Owner Landscape & Barrier work
Week (15) Inspections
Week (16) Interior Finish install
Week (17-20) Fire up Process-Final Inspections

- All Time frames are approximate & subject to change
- Weather & Product availability may impact schedule

Exfiltration Plan for Pool - Spa - Decking addition Areas

Trench calculations;

Capacity of exfiltration trench to be designed for the area of proposed additions --- Pool + Spa + Decking + Equipment slab

Trench capacity to be designed to retain 1" of storm water run-off of above listed proposed addition areas

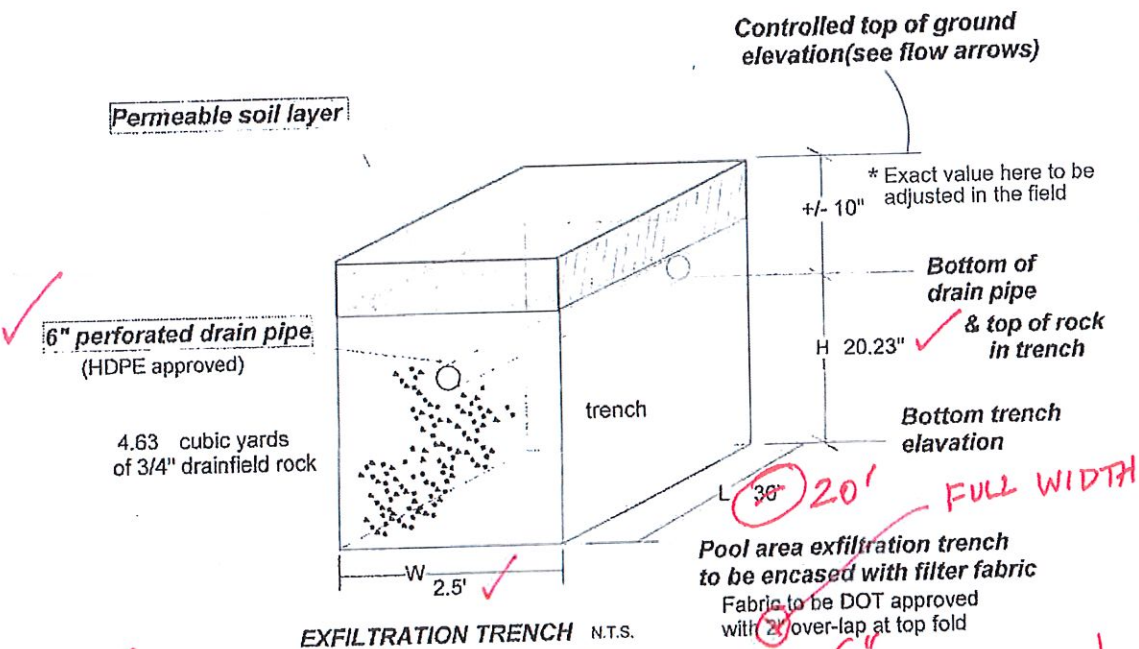
Area of Pool + Spa + Decking + EQ slab = 1,517 sq.ft.
1,517 sq.ft. @ 1" depth of storm water run-off = 945.6 gal.

Trench parameters of 2.5' wide x 30' long = 75 sq.ft.

75 sq.ft. of trench area has a capacity of 46.75 gallons per inch of depth

So, 945.6 gal.(addition 1" run-off) divided by 46.75 gal.(1" of trench capacity)
= 20.23" of trench rock depth height

**USE 20 LF TRENCH BASED ON
LOCAL SANDY SOILS**



- 3" PVC sch 40 pipe to connect (2) 9" x 9" yard drains. This 3" pipe to continue to embedded exfiltration trench 6" perforated drain pipe. This drain 6" drain pipe to be fitted with end cap at the termination side.
- Trench excavation shall be performed diligently so as not to disturb soils beyond designated final trench depth
- Trench backfilling of soils within 5' shall be compacted to no less than 95% dry density values



Ronald Glorsky

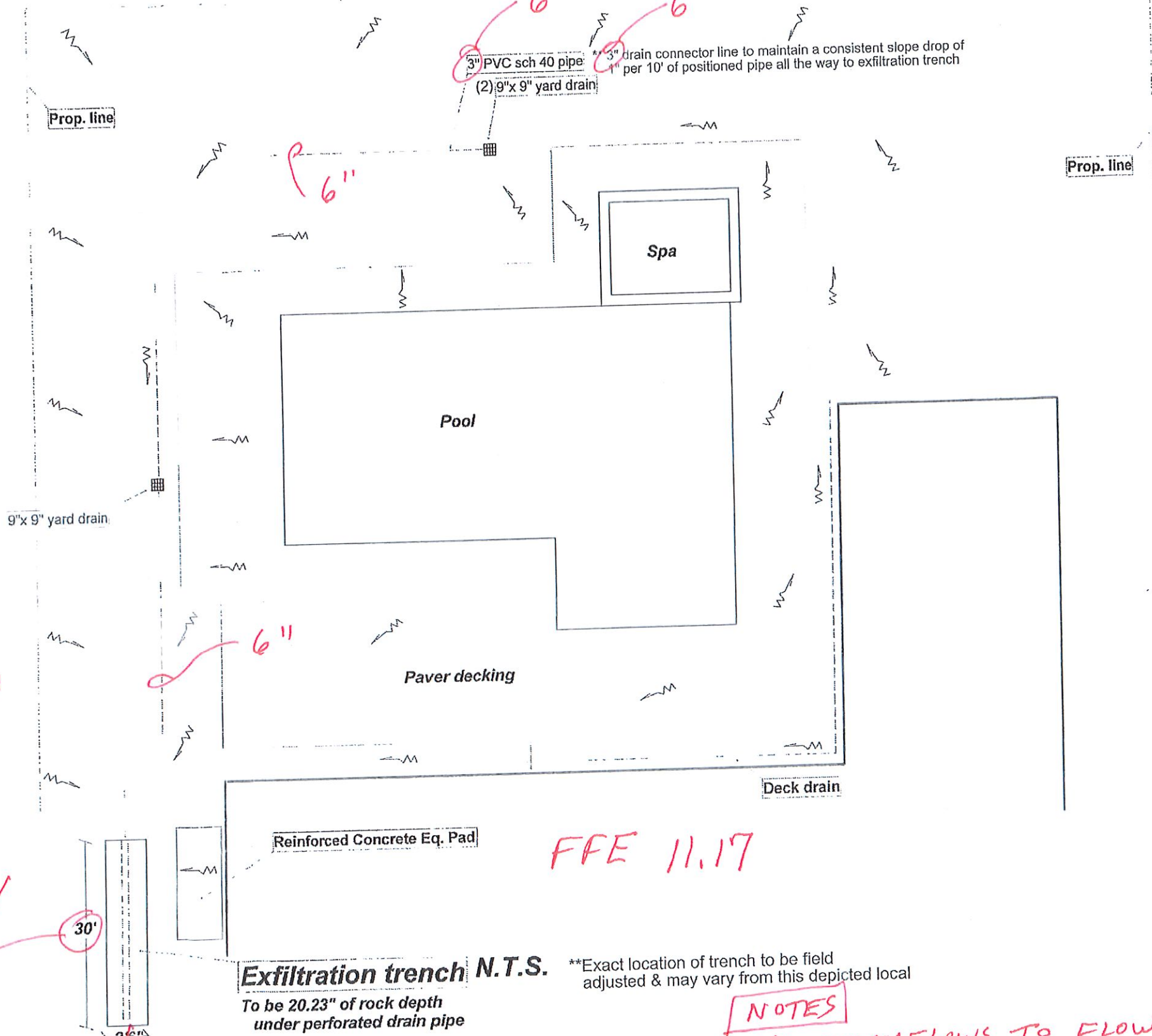
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by Ronald Glorsky
Date: 2023.11.13
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Ronald Glorsky, P.E.
FL Certificate # 13220
e-mail: glorsky99@yahoo.com
608 Lucern Ave., Lake Worth, FL 33460

CONTRACTOR:
RHR POOLS, Inc.
Lic.#U-17798
715 Commerce Way, suite 12
Jupiter, FL 33458

PROJECT:
Woodworth residence
222 Claremont Ln.
W.P.B., FL 33404



NOTES

1. NO STORMFLOWS TO FLOW TO ADJACENT PROPERTIES
2. GRADE DECK & YARD TO YARD DRAINS

CLAREMONT LANE



LB #7893

SERVING FLORIDA

6250 N. MILITARY TRAIL, SUITE 102

WEST PALM BEACH, FL 33407
PHONE (561) 640-1800

STATEWIDE PHONE (800) 226-4807

STATEWIDE FACSIMILE (800) 741-057

WEBSITE: <http://targetsurveying.net>

LEGAL DESCRIPTION AND CERTIFICATION

LOT 119, PALM BEACH SHORES, ACCORDING TO THE MAP OR PLAT THEREOF, AS RECORDED IN PLAT BOOK 23, PAGES 29 THROUGH 32, OF THE CURRENT PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA.

Community Number: 125137 Panel: 0393 Suffix: F F.I.R.M. Date: Flood Zone: X Field Work: 7/3/2023

Certified To:

ERIC F. WOODWORTH, ABIGAIL S. WOODWORTH; PATCH REEF TITLE COMPANY, INC. - PALM BEACH GARDENS;
COMMONWEALTH LAND TITLE INSURANCE COMPANY; WELLS FARGO BANK N.A.

Property Address:

222 CLAREMONT LANE
PALM BEACH SHORES, FL 33404

Survey Number: 594624















Client File Number: 423123ME

ABBREVIATION DESCRIPTION

A.E.	ANCHOR EASEMENT	F.F.E.	FINISH FLOOR ELEVATION
A.C.	AIR CONDITIONER	F.I.P.	FOUND IRON PIPE
B.M.	BENCHMARK	F.I.R.	FOUND IRON ROD
B.R.	BEARING REFERENCE	F.P.K.	FOUND PARKER-KALON NAIL
(C)	CALCULATED	(L)	LENGTH
?	CENTRAL / DELTA ANGLE	L.A.E.	LIMITED ACCESS EASEMENT
CH	CHORD	L.M.E.	LAKE MAINTENANCE EASEMENT
(D)	DEED / DESCRIPTION	(M)	MEASURED / FIELD VERIFIED
D.E.	DRAINAGE EASEMENT	M.H.	MANHOLE
D.H.	DRILL HOLE	N&D	NAIL & DISK
D.W.	DRIVEWAY	N.R.	NOT RADIAL
E.O.W.	EDGE OF WATER	N.T.S.	NOT TO SCALE
F.C.M.	FOUND CONCRETE MONUMENT	O.H.L.	OVERHEAD UTILITY LINES

O.R.B.	OFFICIAL RECORDS BOOK
(P)	PLAT
P.B.	PLAT BOOK
P.C.	POINT OF CURVATURE
P.C.C.	POINT OF COMPOUND CURVE
P.O.B.	POINT OF BEGINNING
P.O.C.	POINT OF COMMENCEMENT
P.R.C.	POINT OF REVERSE CURVE
P.T.	POINT OF TANGENCY
R.W.	RIGHT-OF-WAY
(R)	RADIAL / RADIUS
S.I.R.	SET IRON ROD
T.O.B.	TOP OF BANK
U.E.	UTILITY EASEMENT

SYMBOL DESCRIPTIONS

	= CATCH BASIN		= MISC. FENCE
	= CENTERLINE ROAD		= PROPERTY CORNER
	= COVERED AREA		= UTILITY BOX
	= EXISTING ELEVATION		= UTILITY POLE
	= HYDRANT		= WATER METER
	= MANHOLE		= WELL
	= METAL FENCE		= WOOD FENCE



SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THIS BOUNDARY SURVEY IS A TRUE AND CORRECT REPRESENTATION OF A SURVEY PREPARED UNDER MY DIRECTION. NOT VALID WITHOUT AN AUTHENTICATED ELECTRONIC SIGNATURE AND AUTHENTICATED ELECTRONIC SEAL OR A RAISED EMBOSSED SEAL AND SIGNATURE.

Kenneth Osborne

Digitally signed by
Kenneth Osborne

Date: 2023.07.05

12:29:35 -05'00'

PRINTING INSTRUCTIONS

WHEN PRINTING BE SURE TO SELECT "ACTUAL SIZE"
TO ENSURE PROPER SCAILING. DO NOT USE "FIT"

PAGE 1 OF 2 PAGES

(NOT COMPLETE WITHOUT PAGE 2)



**TARGET
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WEST PALM BEACH, FL 33407

PHONE: (561) 640-4800

STATEWIDE PHONE: (800) 226-4807

STATEWIDE FACSIMILE: (800) 741-0576

WEBSITE: www.targetsurveying.net

(SIGNED)

KENNETH J. OSBORNE
PROFESSIONAL SURVEYOR AND MAPPER #6415

PLANNING AND ZONING BOARD
Sitting As
Town Infrastructure Surtax Citizen Oversight Committee
Regular Meeting
January 24, 2024
247 Edwards Lane / Palm Beach Shores, FL 33404

Chairman -TBD
Vice Chairman Kevin Banks

Member Tony Lembo
Member TBD
Member- TBD
Alternate Member- TBD
Alternate Member Weston Gracida

Town Attorney Dylan Brandenburg
Josh Nichols, Zoning Official
Rob Rennebaum, Engineer
Town Clerk Jude M. Goudreau

PUBLIC PARTICIPATION MAY OCCUR REMOTELY

Meeting link:

<https://townofpalmbeachshores.my.webex.com/townofpalmbeachshores.my/j.php?MTID=m077c249918599924d851edbecee36188> Meeting number: 2633 690 7805 Password: 0124
Join by phone +1-408-418-9388 United States Toll Access code: 263 369 07805

1. **CALL TO ORDER:**
 - a. Roll call
2. **APPROVAL OF MEETING AGENDA:** (Additions, substitutions, deletions)
3. **MEETING AGENDA:**
 - a. Discussion of the 2022-2023 Town Infrastructure Surtax Expenditure Report
4. **PUBLIC COMMENT:**
5. **ADJOURNMENT:**

PLEASE TAKE NOTICE AND BE ADVISED, that if any interested person desires to appeal any decision made by the Planning & Zoning Board with respect to any matter considered at this meeting or hearing, such interested person will need a record of the proceedings, and for such purpose may need to insure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is based. The meeting/hearing will be continued from day to day, time to time, place to place, as may be found necessary during the aforesaid meeting.

IN ACCORDANCE WITH THE PROVISIONS OF THE AMERICANS WITH DISABILITIES ACT (ADA), THIS DOCUMENT CAN BE MADE AVAILABLE IN AN ALTERNATE FORMAT (LARGE PRINT) UPON REQUEST AND SPECIAL ACCOMODATIONS CAN BE PROVIDED UPON REQUEST WITH THREE (3) DAYS ADVANCE NOTICE. FOR HEARING ASSISTANCE: If any person wishes to use a hearing device, please contact the Town Clerk.

Town of Palm Beach Shores
Discretionary Sales Tax PBC

Accumulated (unspent) Discretionary Sales Tax as of 9/30/17	\$ 49,955.01
Accumulated (unspent) Discretionary Sales Tax as of 9/30/18	\$ 119,434.60
Accumulated (unspent) Discretionary Sales Tax as of 9/30/19	\$ 207,613.87
Accumulated (unspent) Discretionary Sales Tax as of 9/30/20	\$ 291,486.47
Accumulated (unspent) Discretionary Sales Tax as of 9/30/21	\$ 387,432.10
Accumulated (unspent) Discretionary Sales Tax as of 9/30/22	\$ 507,824.92

Current Year Receipts:

Date of Receipt	Period	
11/28/2022	October 2022	\$ 8,317.76
12/23/2022	November 2022	\$ 8,669.80
1/27/2023	December 2022	\$ 9,001.22
2/3/2023	Quarterly adjustment 12/22	\$ 5,128.10
2/27/2023	January 2023	\$ 11,356.25
3/31/2023	February 2023	\$ 9,367.57
4/30/2023	March 2023	\$ 9,490.81
5/31/2023	April 2023	\$ 16,272.18
6/30/2023	May 2023	\$ 9,201.99
7/31/2023	June 2023	\$ 8,772.70
8/31/2023	July 2023	\$ 13,437.60
9/31/2023	August 2023	\$ 8,240.28
11/6/2023	September 2023	\$ 8,042.78

Total current year receipts	\$ 125,299.04
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Current Year Expenditures:

\$ -

Accumulated (unspent) Discretionary Sales Tax as of 9/30/23	\$ 633,123.96
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