

REVIEWED
 Land Development/Lot Drainage
 By Nathan Ottoson

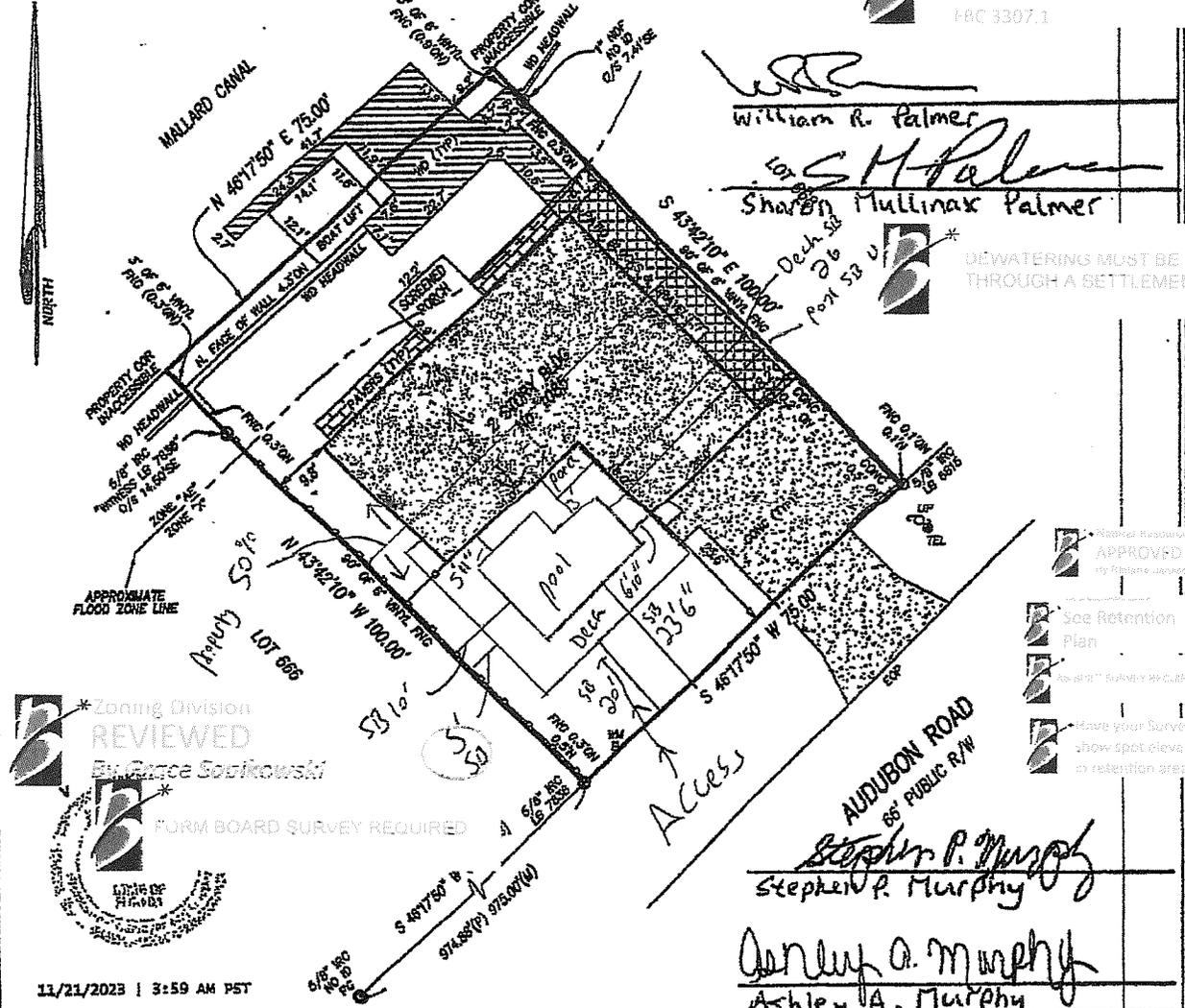
APPROVED FOR CONSTRUCTION
 Permit No. 25BC10995
 Date: June 13, 2025

DAMAGE TO ROADWAY, ROW, & EASEMENTS MUST BE RESTORED AND ROW MUST BE RE-SODDED.

REGRADE & SOD ALL AREAS DISTURBED DURING CONSTRUCTION

MAP OF BOUNDARY SURVEY

07-0131
 INSTALL SH1 FENCE OR OTHER MEASURES TO CONTAIN SEDIMENT ONSITE AND PREVENT EROSION, FRC 3307.1



William R. Palmer
 Sharon Mullinax Palmer

DEWATERING MUST BE FILTERED THROUGH A SETTLEMENT DRUM

Zoning Division REVIEWED
 By Grace Sosikowski



FORM BOARD SURVEY REQUIRED

11/21/2023 | 3:59 AM PST

APPROVED
 11/21/2023

- See Retention Plan
- Have your Surveyor show spot elevations in retention areas

Stephen P. Murphy
 Ashley A. Murphy

LEGEND

- ARC = ARC
- AIR COND = AIR CONDITIONER
- BASE FLD ELEV = BASE FLOOD ELEVATION
- BUILD = BUILDING
- BLK = BLOCK
- BENCH = BENCHMARK
- BEARING = BEARING
- CALC = CALCULATED
- CABLE TV = CABLE TELEVISION
- CBCT = CONCRETE BLOCK STRUCTURE
- CHORD = CHORD
- CHAIN LINK FENCE = CHAIN LINK FENCE
- CONCRETE MONUMENT FOUND = CONCRETE MONUMENT FOUND
- CONSOLIDATED METAL PIPE = CONSOLIDATED METAL PIPE
- CONTR = CONCRETE
- COVER = COVER
- DECK = DECK
- DEED BOOK = DEED BOOK
- DIRA = DIRA
- ELEVATION = ELEVATION
- ELECTRIC = ELECTRIC
- ENCROACHMENT = ENCROACHMENT
- EDGE OF PAVEMENT = EDGE OF PAVEMENT
- FIELD BOOK = FIELD BOOK
- FEMA = FEDERAL EMERGENCY MANAGEMENT AGENCY
- FF = FINISHED FLOOR
- FNC = FENCE
- FOUND = FOUND
- FP&L = FLORIDA POWER & LIGHT COMPANY
- ID = IDENTIFICATION
- IRP = IRON PIPE FOUND
- IRD = IRON ROD & CAP FOUND
- IRF = IRON ROD FOUND
- IRS = 5/8" IRON ROD SET "LB 7838"
- LS = LICENSED BUSINESS NUMBER
- LS (PLS) = (PLS) REGISTERED OR PROFESSIONAL LAND SURVEYOR
- MAVD = NORTH AMERICAN VERTICAL DATUM
- NOP = NAIL & DISK FOUND
- NOS = 1/4" NAIL & DISK SET "LB 7838"
- NVD = NATIONAL GEODETIC VERTICAL DATUM
- NO = NUMBER
- NCH = OVERHEAD
- ORB = OFFICIAL RECORDS BOOK
- OFFSET = OFFSET
- OS = OFFSET
- PLB = PLAT BOOK
- PC = POINT OF CURVATURE
- PCUR = POINT OF CURVATURE
- PCP = PERMANENT CONTROL POINT
- PI = POINT OF INTERSECTION
- PLS = PROFESSIONAL LAND SURVEYOR
- POB = POINT OF BEGINNING
- POC = POINT OF COMMENCEMENT
- PRC = POINT OF REVERSE CURVATURE
- PRM = PERMANENT REFERENCE MONUMENT
- PRSM = PROFESSIONAL SURVEYOR AND MAPPER
- PT = POINT OF TANGENCY
- PU = PUBLIC UTILITY & DRAINAGE EASEMENT
- RA = RANGE
- REF = REFERENCE
- R/W = RIGHT OF WAY
- SEC = SECTION
- SHA = SPECIAL FLOOD HAZARD AREAS
- T&L = TELEPHONE RISER
- TNS = TOWNSHIP
- TYP = TYPICAL
- UL = UTILITY POLE
- US = WOOD
- WIT-OR = 5/8" IRON ROD SET WITH CAP "WITNESS LB 7838"
- WM = WATER METER
- XCF = CROSS CUT FOUND

LEGAL DESCRIPTION:
 LOT 867, HAMPTON HOMES, UNIT 8, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 18, PAGE 133, PUBLIC RECORDS OF BREVARD COUNTY, FLORIDA

- NOTES:**
- BEARINGS BASED ON THE NORTHERLY R/W LINE BEING S 48°17'50" W AS PER PLAT (SEE SKETCH)
 - ELEVATIONS BASED ON "RET" MAP No. 1200800438H COMMUNITY No. 125002 JANUARY 2021 FLOOD ZONE INFORMATION DEPICTED HEREON IS APPROXIMATE. FEMA RETAINS SOLE AUTHORITY REGARDING BOUNDARY AND EXTENT OF FEMA
 - HORIZONTAL CLOSURE MEETS OR EXCEEDS THE ACCURACY REQUIREMENTS FOR SUBURBAN LAND AS PER FLORIDA STATUTE 51-17-5.003
 - BEARINGS, DISTANCES OR ANGLES SHOWN ARE THE SAME AS PLAT, DEED OR RECORD UNLESS SHOWN OTHERWISE
 - NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER. ADDITIONS OR DELETIONS TO SURVEY MAPS OR RECORDS BY OTHER THAN THE SIGNING PARTY IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY.
 - THE SURVEYOR HAS LOCATED NOR ATTEMPTED TO LOCATE ANY UNDERGROUND UTILITIES, FOUNDATIONS, OR STRUCTURES OTHER THAN THOSE THAT MAY BE SHOWN HEREON.
 - ONLY BOUNDARY CORNER MONUMENTS AS SHOWN HEREON ARE TO BE USED FOR THE LOCATION AND CONSTRUCTION OF IMPROVEMENTS.
 - IN THE ATTENDANCE HEREOF THE SURVEY WAS OBSERVED WITHOUT

BOUNDARY	DATE: 11/17/23	JOB No. 41553
		HAMPTON/867

CERTIFIED TO:
 STEPHEN P. MURPHY



Planning & Development
Building Code Division
2725 Judge Fran Jamieson Way
Building A, Room 114
Viera, Florida 32940

BUILDING PERMIT

PERMIT# 25BC10995 **Issue Date:** July 01, 2025

Site Address: 1085 AUDUBON RD MERRITT ISLAND, FL 32953

Owner: PALMER, WILLIAM R

Contractor: AQUATIC LEAK DETECTION LLC DBA AQUATIC POOLS

Description of Work: Build New Inground Pool

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 Brevard County or that may be required from other governmental entities such as water management district, state agencies, or federal agencies.

Inspection: Construction work is subject to inspection by the County and the permit holder is responsible to schedule required inspections and to ensure the work is exposed and accessible for inspection. All permits require a final building inspection.

Permit Time Limits/Expiration. Permit shall automatically expire and become null and void if:

1. Work is not commenced within 180 days following the date of issuance, or
2. If an inspection is not approved within 180 days from the date of issuance, or
3. If an inspection is not approved within 180 days from the date of the last approved inspection.

If the permit expires and becomes void, then a new permit covering the proposed construction shall be obtained before proceeding with the work.

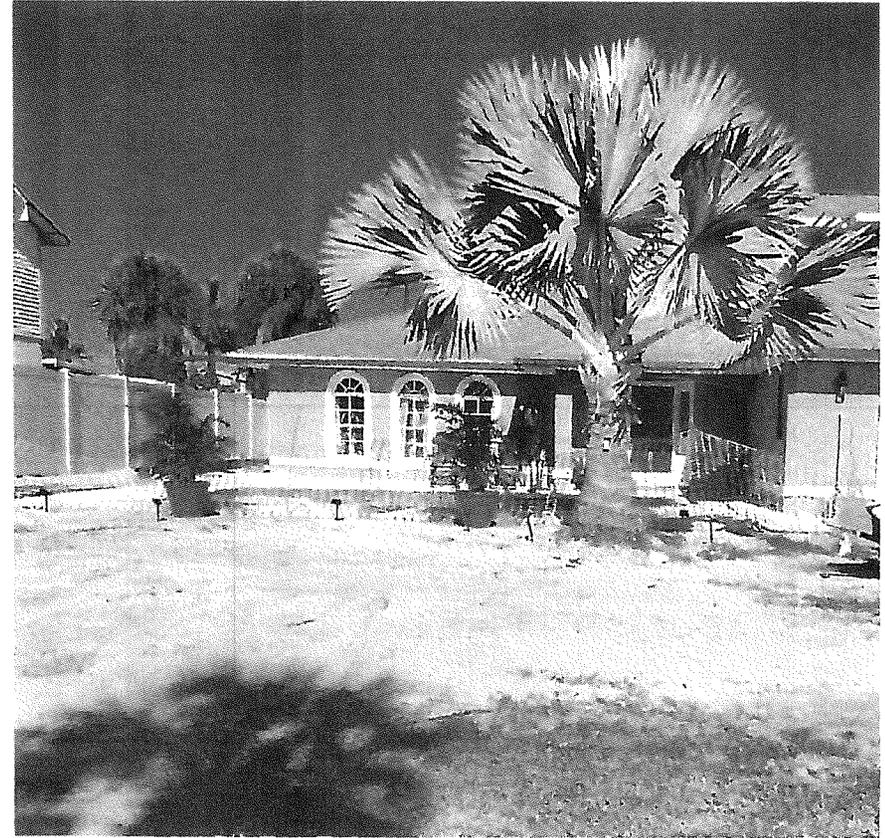
WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO THE PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY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

Palmer Pool:
Pool condition at start of project & current condition

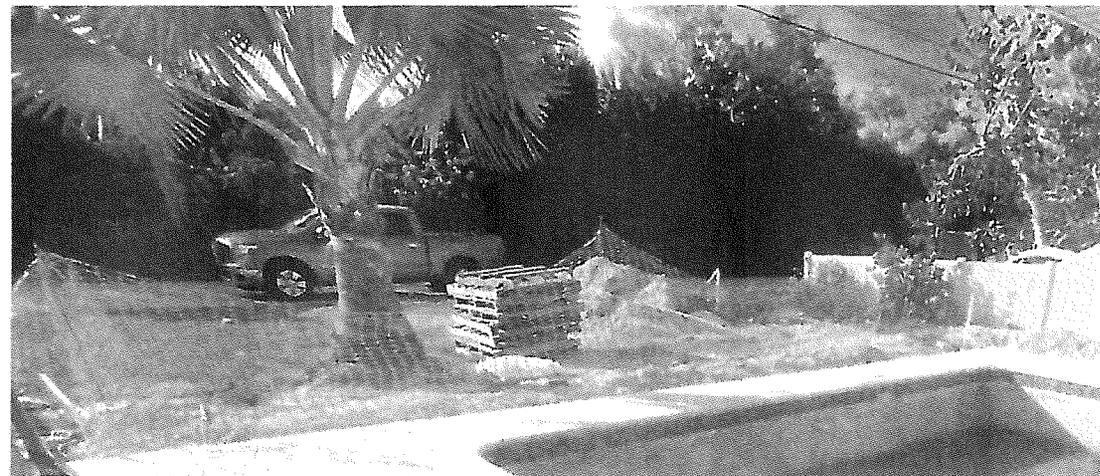
~ 10/23/25



Front of home Before construction started



Front of home Currently



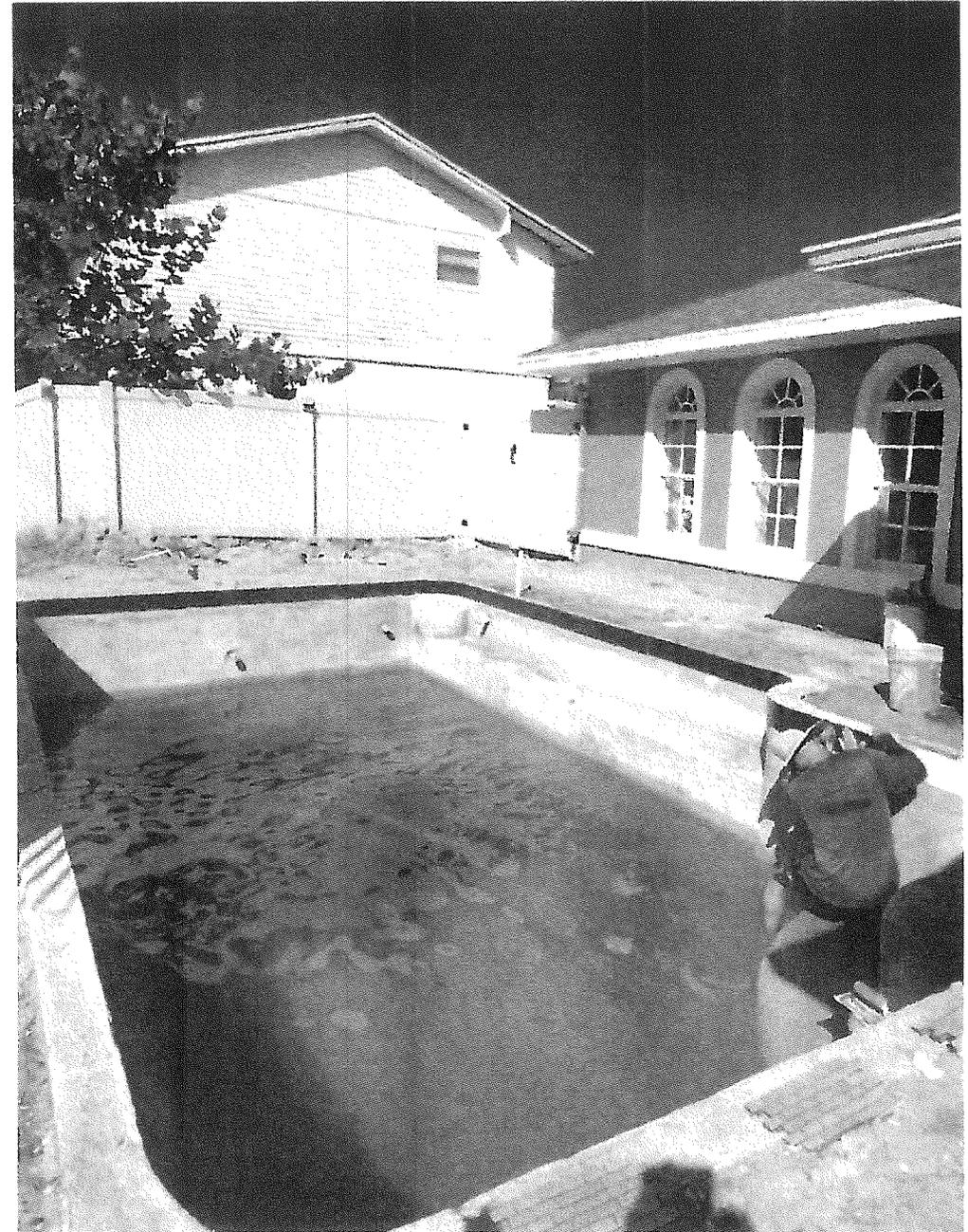
Front yard of home Currently
looking toward Audubon Road

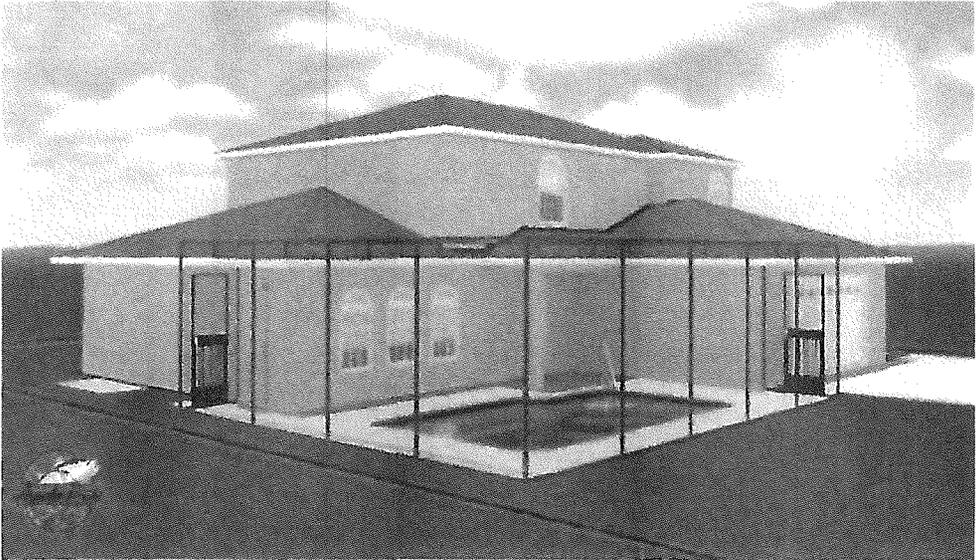
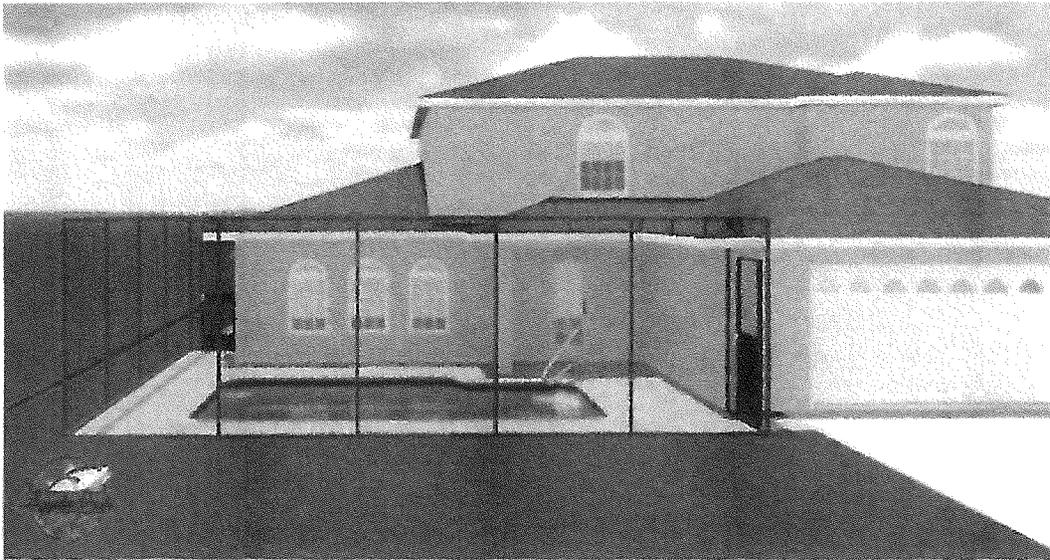
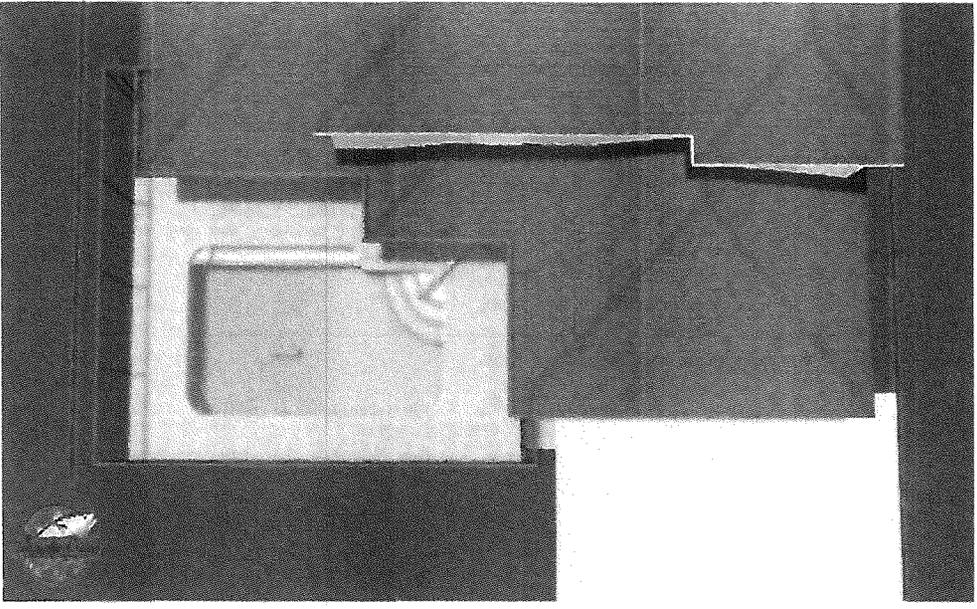
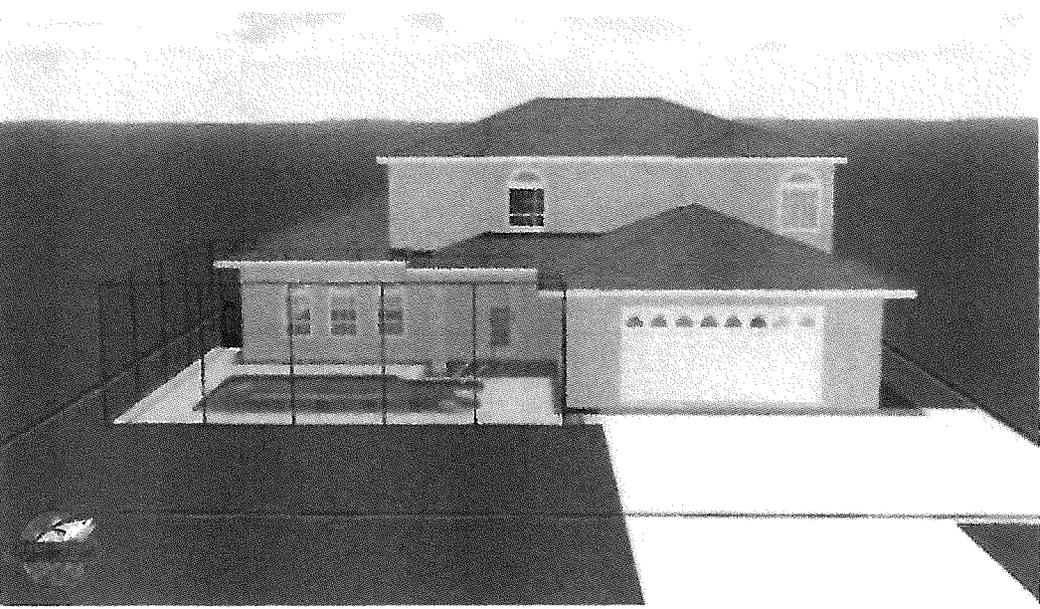
Palmer Pool:

Pool Current condition looking Easterly and Westerly in front of home

Pictures Pg. 2/4

~ 10/23/25



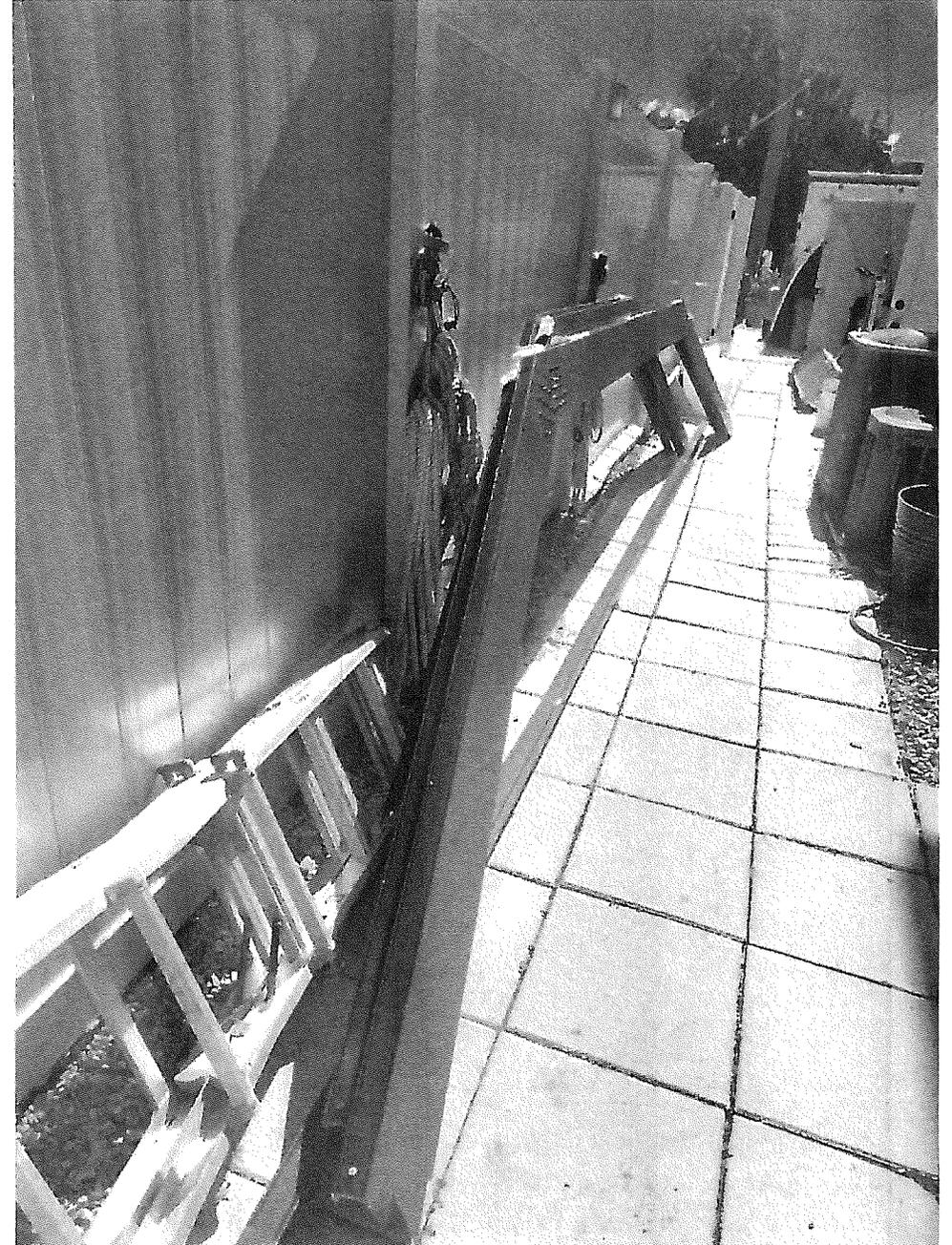


Palmer Pool:

Screen Enclosure parts on West & East sides of Home
Other parts and pieces are scattered in other locations

Pictures Pg. 3/4

~ 10/23/25



DESIGN NOTES:

APPLICABLE CODE: FLORIDA BUILDING CODE, 8th Edition (2023), RESIDENTIAL CHAPTER 42- ELECTRIC PROVISIONS & CHAPTER 45 - PRIVATE SWIMMING POOLS.

ALL STEEL WORK AND POOL EQUIPMENT SHALL BE BONDED TO CREATE A CONTINUOUS COMMON BOND. NEC 680.26

BACKFILL AROUND POOL SHALL BE PLACED IN A MAXIMUM OF 12 INCHES LIFTS AND COMPACTED TO A MINIMUM OF 95% OF MODIFIED PROCTOR IN ACCORDANCE WITH ASTM D1557.

SOIL CONDITIONS AT THE POOL LOCATION ARE ASSUMED TO BE ADEQUATE TO SUPPORT A SINGLE FAMILY DWELLING, IE 2000 PSF, NO MUCK, NO EXPANSIVE SOIL, NO DELETERIOUS MATERIALS, EXCAVATED AREA MUST STAY DRY.

THIS DESIGN IS FOR RESIDENTIAL POOLS TO A MAXIMUM OF 1250 SQUARE FEET AND/OR 102 INCHES IN DEPTH. ONE SKIMMER IS REQUIRED FOR EVERY 600 S.F. OF POOL SURFACE AREA PER: RA501.21.2.

DIVING BOARD SHALL NOT BE ALLOWED WITH THIS DESIGN.

ALL DECK FOOTINGS ARE A MINIMUM OF 8 INCHES WIDE AND 8 INCHES DEEP WITH ONE #5 BAR CONTINUOUS OR 2 #3 BARS. FOOTINGS MAY BE OMITTED IF NO SCREEN WILL BE ERRECTED, STANDARD DECK FOOTING SHALL BE USED UNLESS DEEP IS REQUIRED.

THE PIPING SCHEMATICS ON THIS SHEET SHOW A DUAL MAIN DRAIN. MAIN DRAINS ARE OPTIONAL ACCORDING TO FLORIDA BUILDING CODE SECTION RA501.21.3.

THE PIPING SCHEMATICS ON THIS SHEET COMPLY WITH THE REQUIREMENTS OF FLORIDA BUILDING CODE SECTION 4501.6.6 CONCERNING THE USE OF ENTRAPMENT AVOIDANCE SUCTION OUTLET COVERS/GRATES MUST BE LISTED AS CONFORMING TO ANSI/APSP-7.

CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR SHORING THAT MAY BE NEEDED TO PROTECT PROPERTY AND PERSONAL (OSHA 29CFR1926, SUBPART P AND S).

POOL AND PIPE DIAMETERS ARE SHOWN FOR ILLUSTRATION PURPOSES ONLY.

ALL POOL PIPING SHALL BE PRESSURE TESTED PER FLORIDA BUILDING CODE SECTION RA501.12.1 (35 PSI FOR AT LEAST 15 MINUTES).

THE POOL BARRIER SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE SECTION RA501.17.

THE REQUIREMENTS FOR EQUIPOTENTIAL BONDING GRID FROM NEC 680.26 SHALL APPLY. ALTERNATE BONDING MAY BE ACCOMPLISHED BY LAYING ONE #8 ANGLE COPPER CONDUCTOR FOLLOWING THE CONTOUR OF THE POOL PERIMETER 18 TO 24 INCHES FROM THE INSIDE WALL OF THE POOL, BURIED 4 TO 6 INCHES BELOW THE SUBGRADE. APPROVED SPLICES SHALL BE PERMITTED.

MAIN DRAINS ARE OPTIONAL. RA501.21.3 IF USED SINGLE OR DUAL COMBINATIONS MAY BE USED. ALL USED MAIN DRAINS SHALL HAVE PIPE AND GATE VELOCITIES AS SPECIFIED BY ANSI/APSP-7.

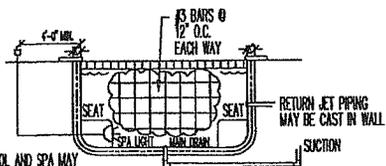
CIRCULATION PIPING AND POOL EQUIPMENT SHALL CONFORM WITH FLORIDA BUILDING CODE ENERGY REQUIREMENTS.

PIPE SIZES SHALL BE DESIGNED TO NOT EXCEED MAXIMUM FLOW RATES SPECIFIED BY ANSI/APSP-7. CONTRACTOR SHALL SUBMIT SUPPLIED TOTAL DYNAMIC HEAD CALCULATION WORKSHEET, TO DETERMIN PIPE SIZES AND VERIFY FLOW RATES.

MAXIMUM SYSTEM FLOW RATES

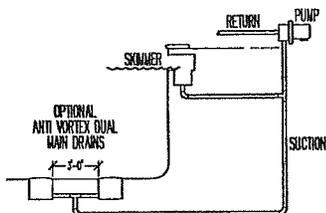
- BRANCH PIPING - 6 FPS
- TRUNK PIPING - 8 FPS
- RETURN PIPING - 10 FPS

ALL POOL LIGHTING SHALL BE LOW VOLTAGE. SEE NEC 680 FOR ALL ELECTRICAL WIRING, BONDING AND GROUNDING.

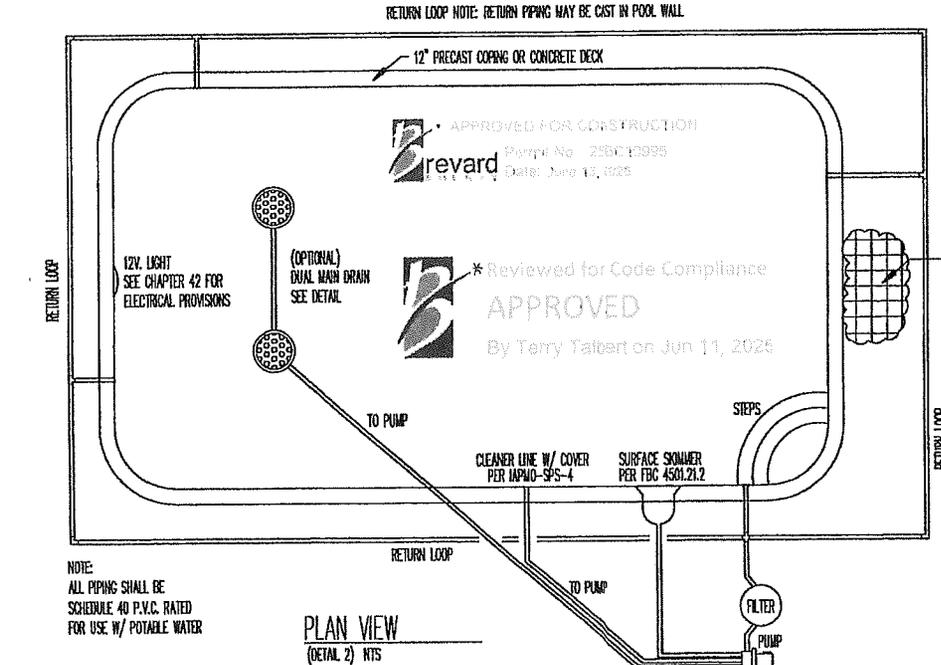


POOL AND SPA MAY SHARE A COMMON WALL. SPILL OVER FROM SPA TO POOL IS ALLOWABLE

SPA SECTION (DETAIL 1) NTS

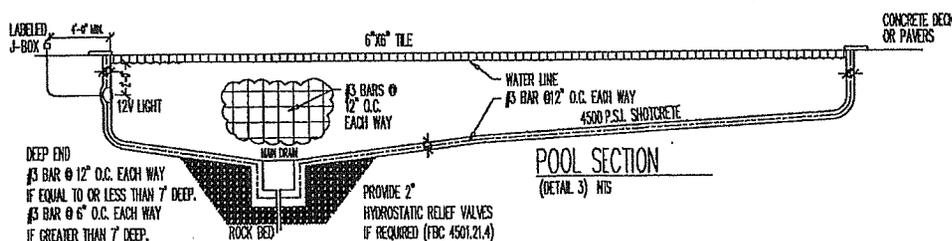


TYPICAL PLUMBING SECTION (DETAIL 4) NTS



NOTE: ALL PIPING SHALL BE SCHEDULE 40 P.V.C. RATED FOR USE W/ POTABLE WATER

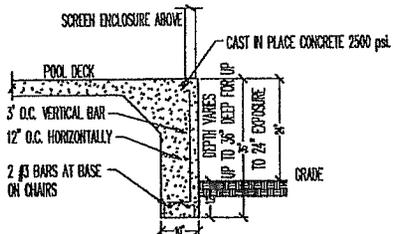
PLAN VIEW (DETAIL 2) NTS



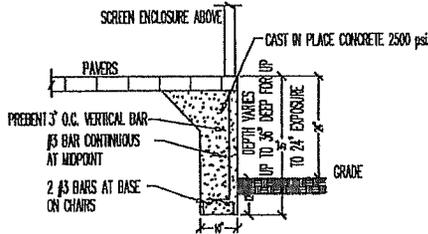
DEEP END #3 BAR @ 12\" O.C. EACH WAY IF EQUAL TO OR LESS THAN 7' DEEP. #3 BAR @ 6\" O.C. EACH WAY IF GREATER THAN 7' DEEP.

PROVIDE 2\" HYDROSTATIC RELIEF VALVES IF REQUIRED (FBC 4501.21.4)

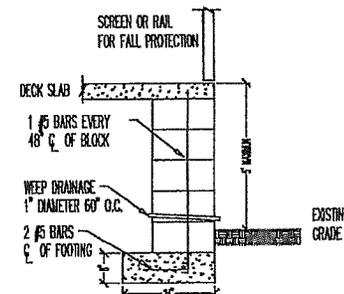
POOL SECTION (DETAIL 3) NTS



DEEP FOOTER CONCRETE DECK (DETAIL 5) NTS



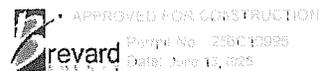
DEEP FOOTER FOR PAVER DECK (DETAIL 6) NTS



CROSS SECTION RETAINING WALL (DETAIL 7) NTS

ENGINEERING SERVICES BY:

DOUG CZERWINSKI P.E.
132 SAINT CROIX AVENUE
COCOA BEACH, FL 32931
P.E. Lic. #40088
DRAWING UPDATED: DEC. 2023

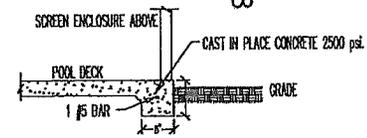


Digitally signed
by Douglas A.
Czerwinski P.E.
Date: 2024.09.18
15:54:58 -04'00'

EQUIPOTENTIAL BONDING GRID TO EXTEND A MINIMUM OF 3'-0\"/>

GRID SHALL BE ATTACHED TO THE POOL FRAMING AT A MINIMUM OF 4 POINTS UNIFORMLY SPACED AROUND THE PERIMETER OF THE POOL. PER NEC 680.26

BONDING POINTS ARE NOT REQUIRED FOR NON-CONDUCTIVE POOL SHELLS.



STANDARD DECK FOOTING (DETAIL 8) NTS

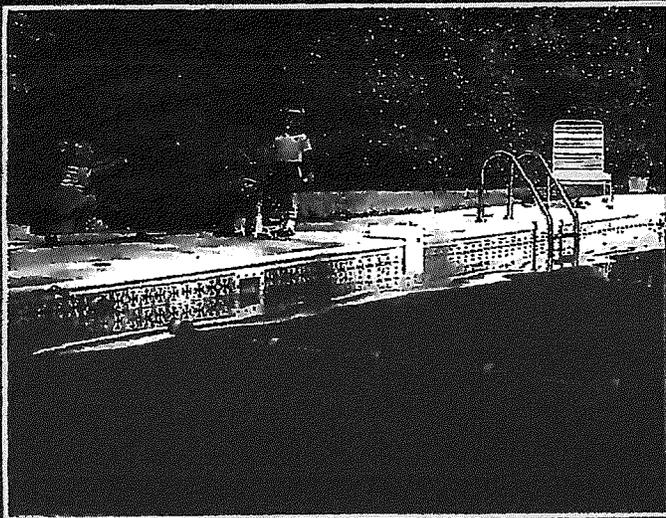
POOL ALARM

MODEL PGRM - 2
MADE IN THE USA



PBM INDUSTRIES, INC.

ASTM



- Detects Intruders
- Sits On Deck
- Battery Powered
- Low Battery Indicator
- New Sensing Technology
- Easy To Use
- Completely Portable
- Automatic Reset
- Affordable Price
- In House Remote Receiver

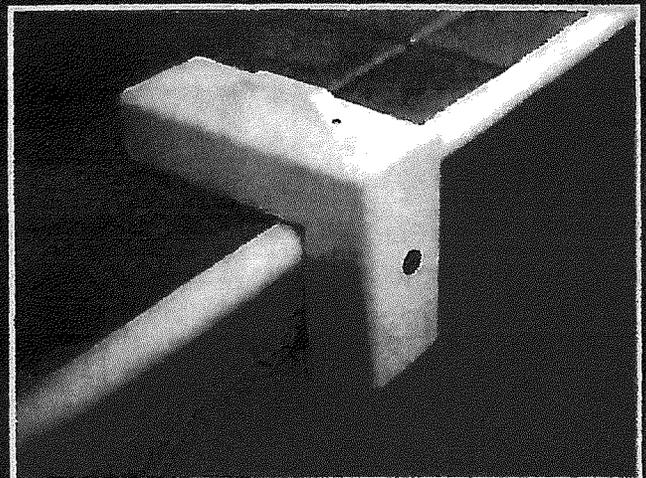
IN HOUSE
REMOTE RECEIVER



POOLGUARD POOL ALARM

POOLGUARD/PBM INDUSTRIES, INC. has been manufacturing pool alarms, door alarms, and gate alarms **since 1982**. All Poolguard products are proudly **Made in the USA**. Poolguard Pool Alarms were tested and rated No. 1 by Good Housekeeping Magazine, and a leading Consumer Magazine. Poolguard Pool Alarms have been tested and comply to the ASTM Safety and Performance Standard for Pool Alarms, **ASTM F 2208**.

See back for more details & information about the Poolguard In-Ground Pool Alarm, call us at **1-800-242-7163**, or visit our website.



P.O. Box 658 • North Vernon, Indiana 47265

www.poolguard.com



Approved for Code Compliance

APPROVED

By Terry Talbert on Jun 11, 2025



APPROVED FOR CONSTRUCTION

Permit No. 25BC10995

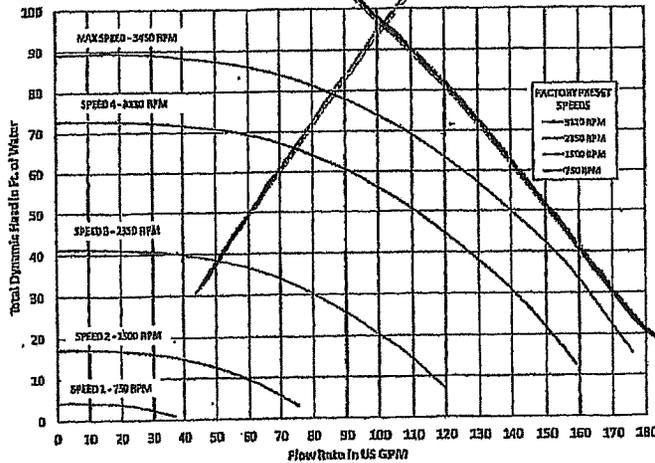
Date: June 13, 2025

INTELLIFLO® VARIABLE SPEED HIGH PERFORMANCE PUMP



Featured Highlights

- Ability to program exact pump speeds for specific operations - filtering, heating, cleaning, spas, etc, water features and more - reduces energy cost up to 90%
- 8 speed settings and on-board scheduling with 10mers LCD screen with keypad for easy programming
- Ultra-efficient permanent magnet motor design reduces noise and vibration for greater efficiency and longer pump life
- Fully compatible with IntelliTouch®, EasyTouch®, SwiTouch® Automation and other pool control systems
- Operates seamlessly on 60 Hz or 60 Hz input power. Flow/spd are constant when operating on 60 Hz or 60 Hz



ULTRA ENERGY EFFICIENT VARIABLE SPEED

Product	Model	Voltage	Full Load Amps	kW	HP	GF	SFHP	FREQ	Primary Listings and Certifications	Port size (NPT)
PBE6V84H-206L	IntelliFlo Variable Speed	230	16	3.2	3	1.32	3.95	60 Hz 60 Hz	UL, NSF, CSA, APSP	2" x 2"

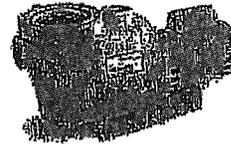
Pipe Size and Flow Rates Schedule 40 PVC Pipes

Pipe Size	Velocity - Feet Per Second		
	8 fps	8 fps	10 fps
1"	10 gpm	21 gpm	28 gpm
1.5"	37 gpm	60 gpm	82 gpm
2"	62 gpm	82 gpm	103 gpm
2.5"	88 gpm	117 gpm	149 gpm
3"	138 gpm	181 gpm	227 gpm
4"	234 gpm	313 gpm	392 gpm
6"	534 gpm	712 gpm	

R4501.6.3 WATER VELOCITY: POOL PIPING SHALL BE DESIGNED SO THE WATER VELOCITY WILL NOT EXCEED 10 FEET PER SECOND (3048 MM/S) FOR PRESSURE PIPING AND 8 FEET PER SECOND (2438 MM/S) FOR SUCTION PIPING, EXCEPT THAT THE WATER VELOCITY SHALL NOT EXCEED 8 FEET PER SECOND (2438 MM/S) IN COPPER TUBING. MAIN SUCTION OUTLET VELOCITY MUST COMPLY WITH ANSI/APSP 7.

EXCEPTION: JET INLET FITTINGS SHALL NOT BE DEEMED SUBJECT TO THIS REQUIREMENT.

WHISPERFLO® HIGH PERFORMANCE PUMPS

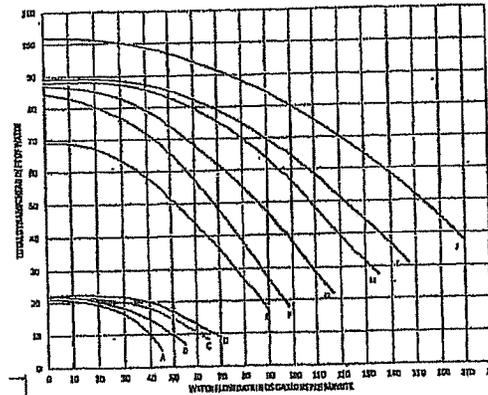


WhisperFlo High Performance Pumps

Robust thermoplastic with the Cam & Ramp™ see thru™ lid design. Self-priming, high flow with Funnel-Flo™ diffusers. 2 in. suction and discharge ports. Motor features threaded shaft and durable commercial duty 56 frame motor with NEMA Rated square flange.

Featured Highlights

- Durable strainer basket and volute - industry standard in pool pumps
- Standard and Energy-efficient Square Flange Motors available
- Lower HP's deliver higher performance than industry standard
- Compatible with all cleaning systems, various filters and jet action spas
- Heavy-duty/durable construction is designed for long life
- Designed for residential and commercial applications
- New motor increases life, energy, efficiency, ease of installation and better cooling for long service life



ENERGY EFFICIENT TWO SPEED 3450 RPM, LOW SPEED 1725 RPM UP RATED

Product	Model	Voltage	Full Load Amps	HP	GF	SFHP	Primary Listings and Certifications	Port size (NPT)	Curve Key
012405	WFDS-24	115	14.6/4.7	1	1.25	1.25	UL, NSF, APSP	2" x 2"	A, F
012518	WFDS-26	230	7.8/3.0	1 1/2	1.10	1.05	UL, NSF, APSP	2" x 2"	B, G
011624	WFDS-28	230	10.0/3.5	2	1.10	2.20	UL, NSF, APSP	2" x 2"	C, H
011625	WFDS-30	230	11.0/4.0	2 1/2	1.04	2.60	UL, NSF, APSP	2" x 2"	D, I

GUNITE NOVA MAIN DRAINS

MAIN DRAINS



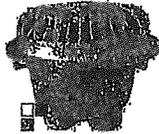
SHALLOW GUNITE DRAIN, 2" RP
INCLUDES PLUGS



SHALLOW GUNITE DRAIN, 2" S
INCLUDES REDUCER & PLUGS



GUNITE DRAIN & EXTENSION, 2" S
INCLUDES TWO 2" MIP PLUGS



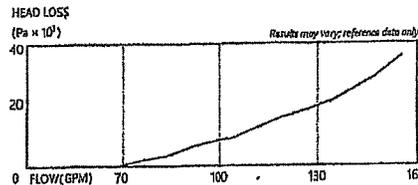
GUNITE DRAIN, BOTTOM PORT 1.5"/2" SP
INCLUDES REDUCER & PLUGS



NOVA COVER & FRAME**
25539-5XX-000

TECHNICAL GUIDE

PLUMBING	MAX FLOW	MAX FLOW
	FLOOR	WALL
GUNITE NOVA MAIN DRAINS		
1.5" PIPE	140 GPM	118 GPM
2" PIPE	150 GPM	118 GPM



ORDERING GUIDE

GUNITE MAIN DRAINS WITH NOVA LID				
Part Number	Part Description	Part Number	Part Description	Part Number
25513-000-000	SHALLOW DRAIN & NOVA LID, 2" RP	8		
25513-000-000	SHALLOW DRAIN & NOVA LID, 2" SOCKET	8		
25516-000-000	DRAIN, EXTENSION, & NOVA LID, 2" SOCKET	8		
25516-000-010	DRAIN BODY ONLY	8		
25517-500-000	GUNITE MAIN DRAIN & NOVA LID, 1.5"x2"SP BOTTOM	8		
25518-000-000	GUNITE MAIN DRAIN BODY ONLY	15		

**for color drains, order body only and choose lid/collar assembly below

NOVA LID/COLLAR ONLY						
25516-500-100	25516-501-100	25516-504-100	25516-507-100	25516-509-100	25516-509-100	25516-509-100

**INDUSTRY TERMS: COVER, LID, GRATE & FRAME, RING, COLLAR



211
For Additional Details Only
See ASME A112.19.8-2007
Figure 2 (see below)
Use Year
Flow Rate

7-3/4" Nova Pool Drains VGB-2008 Compliant

CMP 25513-26X, 25513-4XX, 25513-5XX, 25513-6XX, 25515-5XX, 25516-26X,
25516-4XX, 25516-5XX, 25517-5XX, 25539-5XX, 25539-6XX, 25548-5XX

X Indicates color.



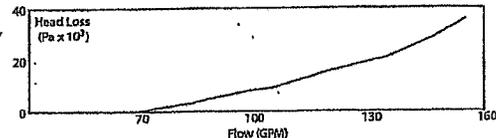
and keep these instructions for future reference. Always plumb and install all suction fittings according to all building codes that apply in your area.

WARNING: The suction fitting and fasteners should be inspected for damage or tampering before each use of the facility. If the fitting/cover eaks, is damaged, or is missing, shut the system down immediately. Missing, broken, or cracked suction fittings must be replaced before using this facility. Use of the system with damaged, loose, or missing covers may result in serious injury or death.

WARNING: Never exceed the maximum allowable flow rate stated on the suction fitting. In the event that one suction outlet is completely blocked, the remaining suction outlet(s) serving that system MUST have a flow rating capable of the full flow of the pump(s) for the specific suction system.

CAUTION: Children should never be left unattended at any time in a swimming pool, spa, or bathtub. Be sure the temperature of the water never exceeds the manufacturer's recommendations.

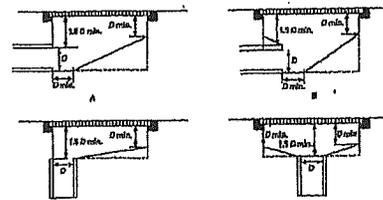
The maximum flow rating for this suction fitting with 1.5" plumbing is 118 GPM (all) and 140 GPM (Floor). The maximum flow rating for this suction fitting with 2" plumbing is 118 GPM (Wall) and 150 GPM (Floor). This suction fitting is designed for installation on side wall or floor of hot tubs or pools in conjunction with at least one other suction fitting per pump. DO NOT adapt suction fitting to any pipe size smaller than ASTM 1.5" SCH 40 PVC. Field built sumps should be constructed per ASME A112.19.8-2007 Figure 2 (see below) found on page 5 of the Standard. Contact your local pool and spa professional for all winterizing instructions and recommendations. Open area of cover is 14.57 in².



Tools Needed: Phillips Head Screwdriver

STALLATION INSTRUCTIONS

Install sump provided or construct sump per ASME A112.19.8-2007 Figure 2 (see below). If mounting frame is provided, secure it in concrete or plaster. Use mounting screws to secure cover to frame or sump.



NOTES:
(A) D = hole diameter of pipe.
(B) All dimensions shown are minimums.
(C) A hole in the wall. **Indicates required entry configuration.

STALLATION NOTES:

Mount suction outlets on the wall or floor. DO NOT locate suction outlets on sealing gas or on backrests for seating areas. Always use multiple suction outlets. DO NOT use with single drain applications. Use in single drain applications will void any and all warranties.

When using two or more suction fittings on a common suction line, suction must be separated by a minimum of 3 ft or they must be located on two different planes (i.e. one floor and one on the wall).

To reduce the risk of drowning from hair and body entrapment, install suction fittings with a marked flow rate in gallons per minute that exceeds the flow rate of your system at least 25%. Increasing size of the pump may increase flow rate of suction beyond rated safety limits causing entrapment or death.

CMP drain covers are only certified for use with CMP sumps and frames. Do not mismatch with parts from other manufacturers.



Hair or body parts blocking the spa or pool suction may become trapped and held against the suction fitting. Keep hair and clothing a minimum of 12 inches from all suction fittings and drains at all times. Entrapment against the suction fittings can result in drowning or other severe injury. Never sit on or lean up against suction fittings.