

Approved
MRE 12/1/25

Record Detail * (This section is required.)

Permit Type	Permit Number	Opened Date
Building/Residential/Misc/Pool Spa	B25005225	11/20/2025

Description of Work

SFD/ INSTALL NEW 22'X42', 1,008 SF RECTANGULAR INGROUND CONCRETE SWIMMING POOL WITH 7'X12' OFFSET SUN SHELF; 3'-3" TO 8'-6" DEEP; TYPE 1 DIVING POOL STATIONARY JUMP ROCK; FENCE BY OTHERS**SUBJECT TO FIELD INSPECTION**

Online BP.

g.s. 11/24/25

[check spelling](#)

Address * (This section is required.)

Search	Reset	Clear	Get Parcel & Owner
Street #	Street Name	Street Type	
724	WOODBINE CROSSING	RD	
Unit Type	Unit #	X Coordinate	Y Coordinate
--Select--		-77.07096	39.35093
City	State	Zip Code	Primary
MOUNT AIRY	MD	21771	Yes

Parcel * (This section is required.)

Search	Reset	Clear	Get Address & Owner			
GIS ID *	Parcel	Parcel Area	Land Value	Improved Value	Exemption Value	Plan Area
926679	32	1.14	186400	754000	567600	RURAL
Legal Description						
IMPSLOT 12 1.1451 A [724 WOODBINE CROSSING RD [] WOODBINE CROSSING						

[check spelling](#)

Block	Lot	Census Tract	Council Dist	Inspection Dist	Supervisor Dist	Map #	DAP Zone
	12	604001	5				
Plan Area	State Tax Id	Subdivision Name					
	1404374517	Woodbine Crossing					
Section	Area	Tax Map					
		2					
Grid	Zoning District	ADC Map					
2-24	RC-DEO	4691-J4					
SDP No.	Final Plan No.	WP File No.					
	F-07-103						
Record Plat No.	WS Contract No.	FDP No.	Primary				
2,7			Yes				
Owner Occupied	Year Built	Historic District					
<input type="radio"/> Yes <input type="radio"/> No	2016	<input type="radio"/> Yes <input checked="" type="radio"/> No					
Historic District Registry No.	Stat Area	Flood Plain					
	4-02	<input type="radio"/> Yes <input checked="" type="radio"/> No					
Building No							

Owner * (This section is required.)

Search	Reset	Clear
Name *	ZUMBF	
Address Line 1	724 WOODBINE CROSSING RD	
Address Line 2		
Address Line 3		
Mail City	MT AIRY	
Mail State	MD	
Mail Zip Code	21771	

Phone
410-227-5867
Primary
Yes
E-mail

Cell Number Fax Number

Professionals (This section is not required.)

License # * Business Name
08050121739 RHINE LAWN CARE & LANDSCAPING LLC
License Type * First Name Middle Name Last Name
MHIC Co ✓ JOHN LEE RHINE
Primary Address Line 1
No ✓ 12885 OLD FREDERICK RD
Address Line 2

City State ZIP Code
SYKESVILLE MD 21784-0000
Phone 1 Phone 2 Fax
4104422445 4104894312
E-mail
CSM@RHINELANDSCAPING.COM

Applicant (This section is not required.)

Search As Owner As Lic. Prof As Contact

Type * First Name MI Last Name
Applicant ✓ Dan Murphy
Relationship Full Name
--Select-- ✓ Dan Murphy
Primary Organization Name
Yes ✓ Rhine Landscaping
Street Address
12885 Old Frederick Road
Address Line 2

City State Zip Code
Sykesville MD 21784
Phone Cell Fax
4104422445 4104894312
E-mail *
dan@rhinelandscaping.com

Addtl Info

Est Construction Cost * Housing Units * Number of Buildings * Public Owned
100000 0 0 No
Construction Type
--Select--

POOL INFORMATION

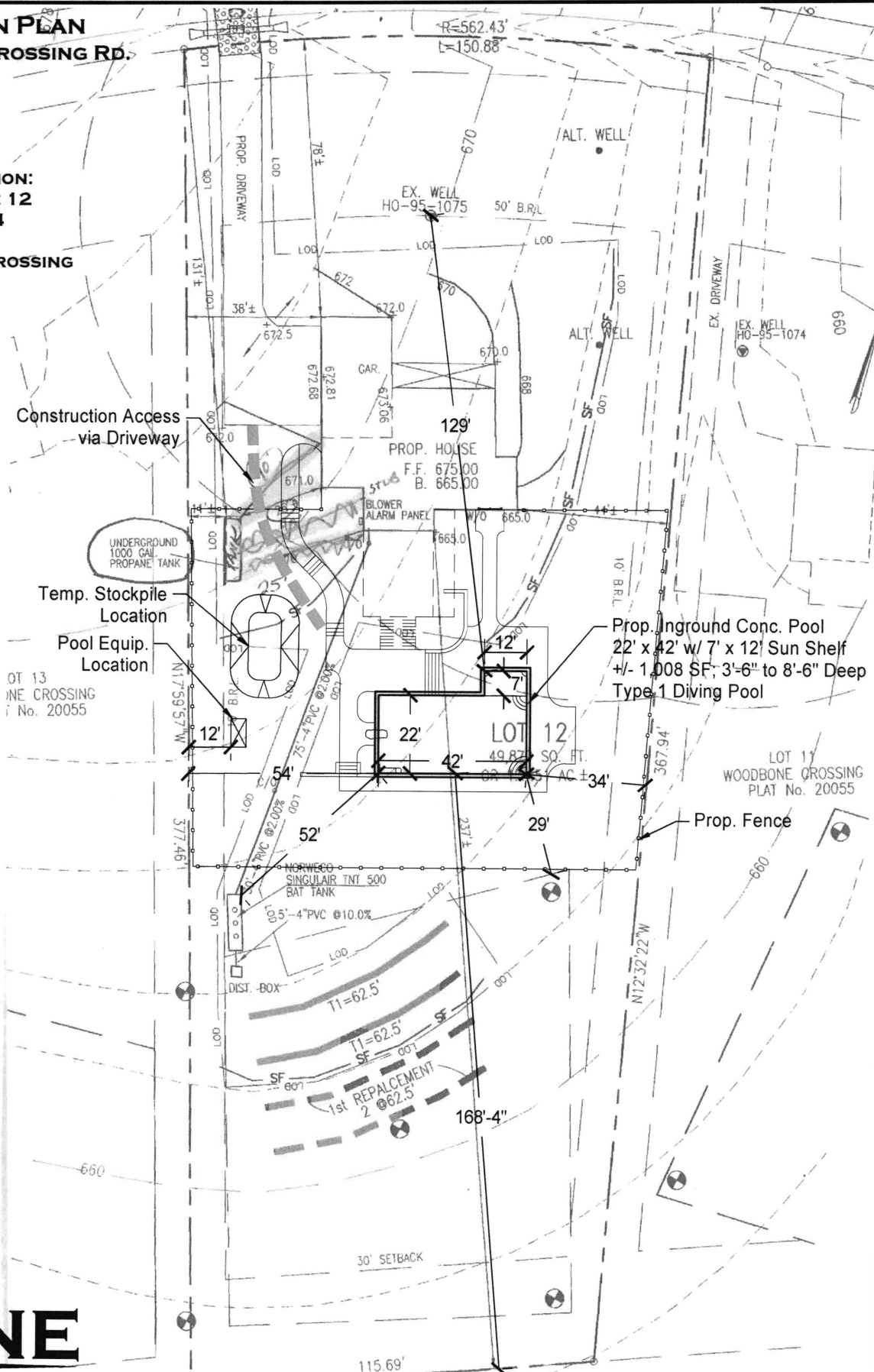
MISCELLANEOUS POOL INFORMATION

Capital Project-No Fee * Capital Project Number Fee Exempt * Water Supply * Sewage Disposal *
 Yes No (Text) Yes No Private ✓ Private
Existing Use * Type of Pool or Spa * Pool Safety Device * Electrical Permit Number Expiration Date
SFD ✓ In Ground Pool ✓ Fence
(Text) 5/20/2026

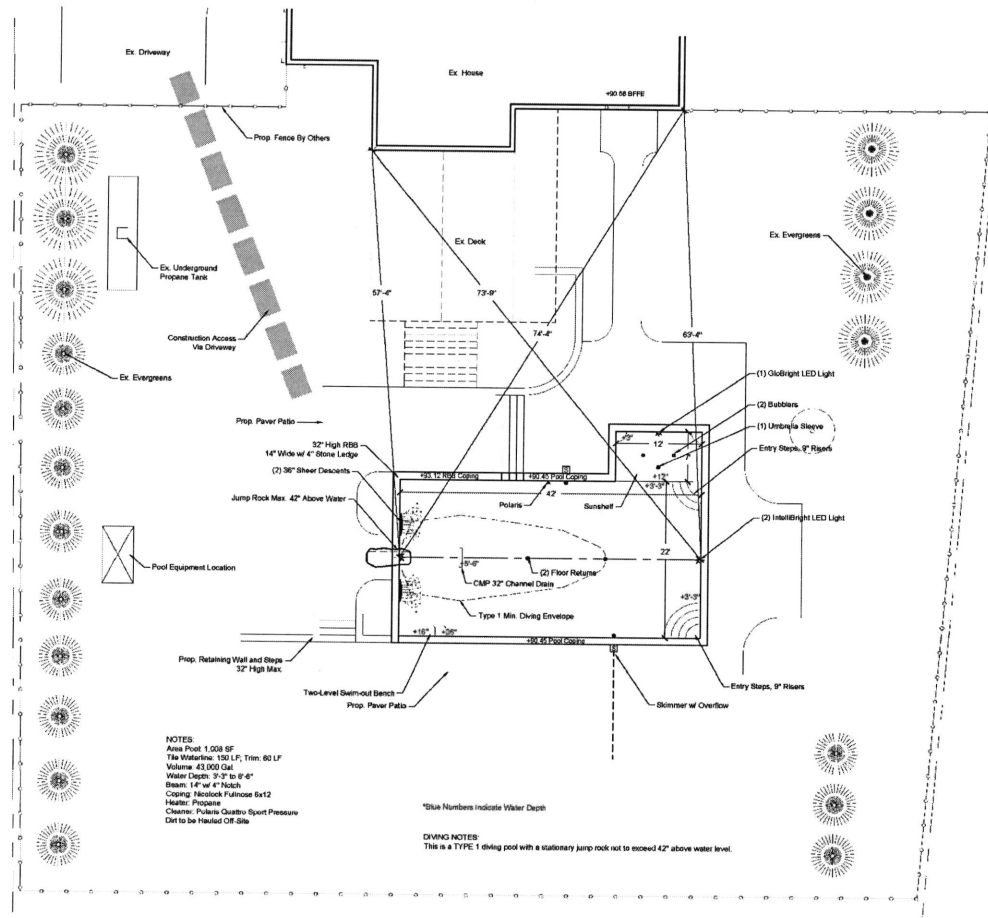
Submit Cancel

POOL LOCATION PLAN
724 WOODBINE CROSSING RD.
 1" = 40'-0"
 DECEMBER 1, 2025

PROPERTY INFORMATION:
 PLAT: 20055 LOT: 12
 TAX MAP: 2 GRID: 24
 PARCEL: 253
 DESC.: WOODBINE CROSSING



RHINE
 LANDSCAPING • CONSTRUCTION • POOLS
 MHIC # 121739
 PO Box 1825, Sykesville, MD 410-442-2445
 www.rhinelandscaping.com • www.rhinepools.com



POOL LAYOUT SITE PLAN

Scale: 1/4" = 1'

THIS DOCUMENT IS THE PROPERTY OF RYAN & ASSOCIATES, INC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. ANY REUSE OR MODIFICATION OF THIS DOCUMENT WITHOUT THE WRITTEN CONSENT OF RYAN & ASSOCIATES, INC. IS STRICTLY PROHIBITED. RYAN & ASSOCIATES, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE, LOSS, OR INJURY RESULTING FROM THE USE OF THIS DOCUMENT FOR ANY OTHER PROJECT OR SITE. RYAN & ASSOCIATES, INC. IS NOT A PROFESSIONAL ENGINEER OR ARCHITECT IN THE STATE OF MARYLAND. THIS DOCUMENT IS NOT TO BE USED FOR ANY OTHER PROJECT OR SITE WITHOUT THE WRITTEN CONSENT OF RYAN & ASSOCIATES, INC.

REVISIONS		
No.	DATE	DESCRIPTION

DRAWN BY: **RMK**
 DESIGNED BY: **WKR**
 CHECKED BY: **WKR**
 DATE: **11/18/2025**
DO NOT SCALE THIS DRAWING. DIMENSIONS TAKE PRECEDENCE OVER GRAPHIC REPRESENTATION.

CLIENT: **Rhine Landscaping**
 OWNER: **Zumbrum Residence**
 JOB No: **1740-25-02**

Ryan & Associates
Real World Engineering

RA Office
 2412 Wynfield Ct.
 Frederick, MD 21702

301-360-9534 (ph)
 www.ryanandassociates.net
 info@ryanandassociates.net



*Zumbrum Residence Proposed Pool
 Pool Layout Site Plan
 724 Woodbine Crossing
 Woodbine, MD 21797*

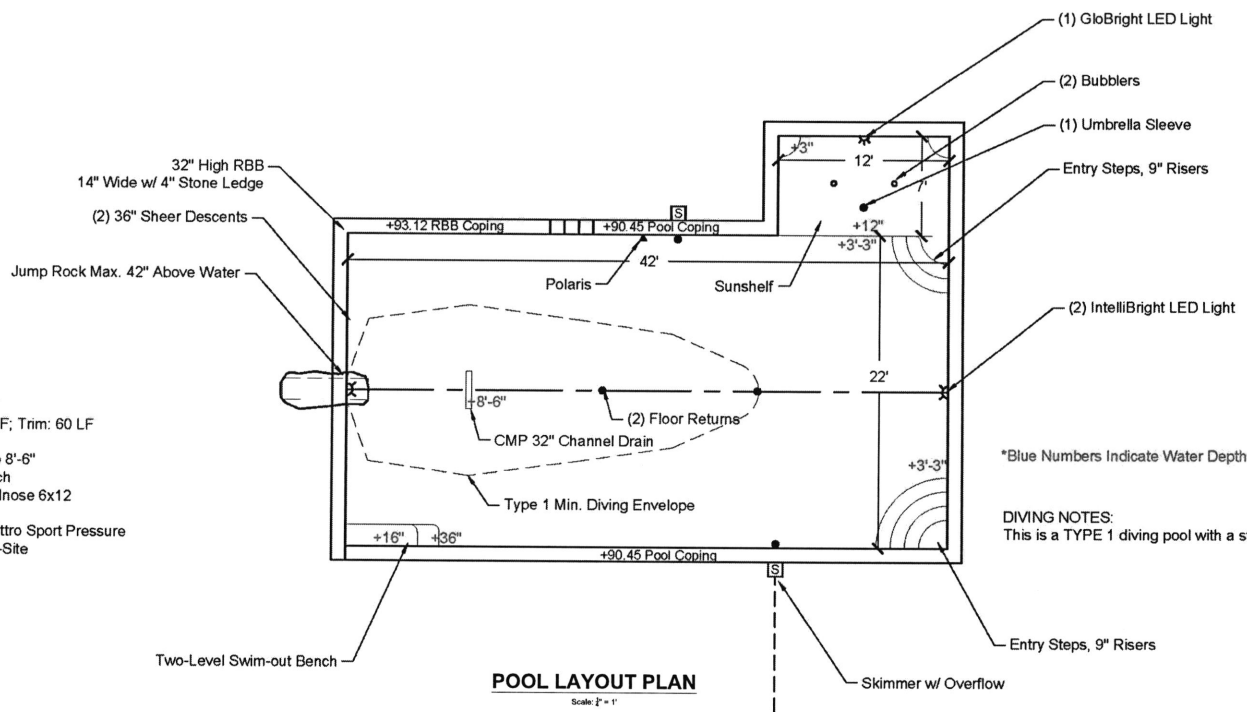


PROFESSIONAL CERTIFICATION
 I hereby certify that these documents have prepared or approved by me, and that I am a duly licensed professional engineer.

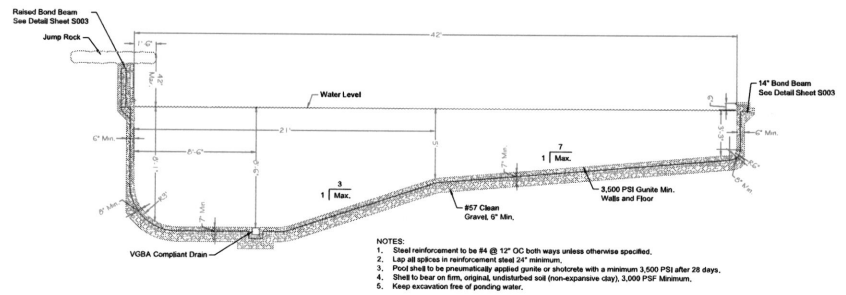
WKR
 Ryan K. Ryan, P.E.
 11/20/2025

SHEET
S001 of 3
(24" x 36")

NOTES:
 Area Pool: 1,008 SF
 Tile Waterline: 150 LF; Trim: 60 LF
 Volume: 43,000 Gal.
 Water Depth: 3'-3" to 8'-6"
 Beam: 14" w/ 4" Notch
 Coping: Nicolock Fullnose 6x12
 Heater: Propane
 Cleaner: Polaris Quattro Sport Pressure
 Dirt to be Hauled Off-Site



*Blue Numbers Indicate Water Depth
 DIVING NOTES:
 This is a TYPE 1 diving pool with a stationary jump rock not to exceed 42" above water level.



NOTES:
 1. Steel reinforcement to be #4 @ 12" OC both ways unless otherwise specified.
 2. Lap all splices in reinforcement at least 24" minimum.
 3. Pool shell to be pneumatically applied gunite or shotcrete with a minimum 3,500 PSI after 28 days.
 4. Shell to bear on firm, original, undisturbed soil (non-expansive clay), 3,000 PSF Minimum.
 5. Keep excavation free of ponding water.

THIS DOCUMENT AND THE PROJECT IT REPRESENTS ARE THE PROPERTY OF RYAN & ASSOCIATES, ENGINEERS AND ARCHITECTS, INC. ANY REPRODUCTION OR TRANSMISSION OF THIS DOCUMENT OR THE PROJECT IT REPRESENTS WITHOUT THE WRITTEN PERMISSION OF RYAN & ASSOCIATES, ENGINEERS AND ARCHITECTS, INC. IS STRICTLY PROHIBITED. ANY REPRODUCTION OR TRANSMISSION OF THIS DOCUMENT OR THE PROJECT IT REPRESENTS WITHOUT THE WRITTEN PERMISSION OF RYAN & ASSOCIATES, ENGINEERS AND ARCHITECTS, INC. IS STRICTLY PROHIBITED.

REVISIONS		
No.	DATE	DESCRIPTION

DRAWN BY: RMK	CLIENT: Rhine Landscaping
DESIGNED BY: WKR	OWNER: Zumbrum Residence
CHECKED BY: WKR	JOB No: 1740-25-02
DATE: 11/18/2025	

Ryan & Associates
Real World Engineering

RA Office
 2412 Wynfield Ct.
 Frederick, MD 21702

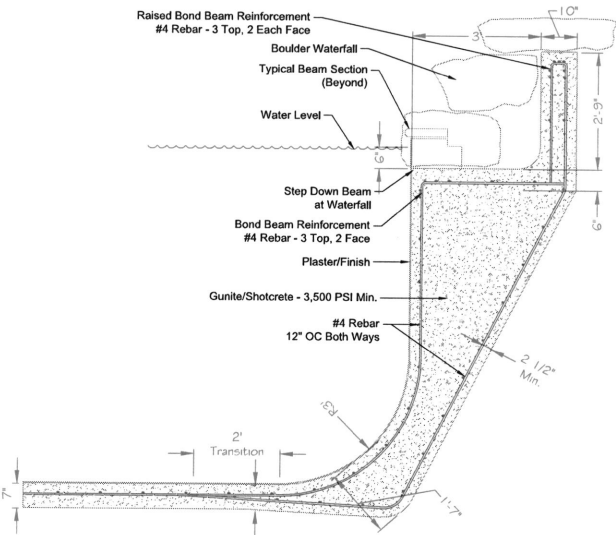
301-360-9534 (ph)
 www.ryanandassociates.net
 info@ryanandassociates.net

*Zumbrum Residence Proposed Pool
 Pool Layout Site Plan
 724 Woodbine Crossing
 Woodbine, MD 21797*

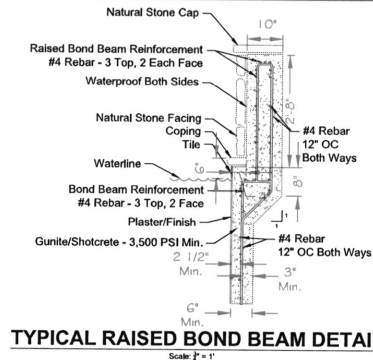
PROFESSIONAL CERTIFICATION
 I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer.

11/20/2025

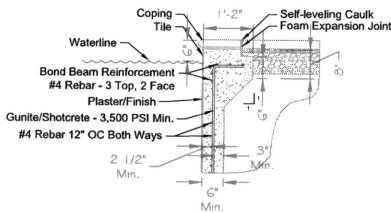
SHEET
S002 of 3
 (24" x 36")



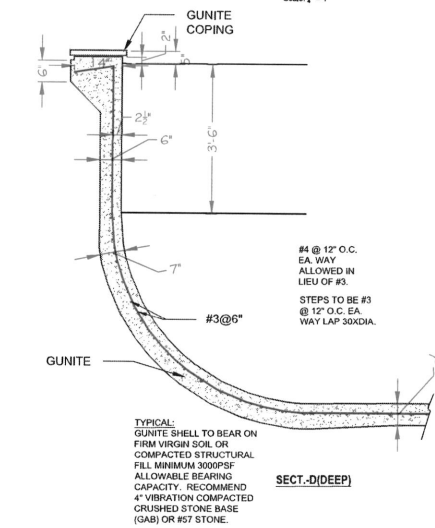
TYPICAL BOULDER LEDGE DETAIL
Scale: 1/2" = 1'



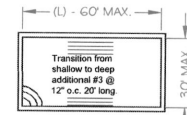
TYPICAL RAISED BOND BEAM DETAIL
Scale: 1/2" = 1'



TYPICAL BOND BEAM DETAIL
Scale: 1/2" = 1'

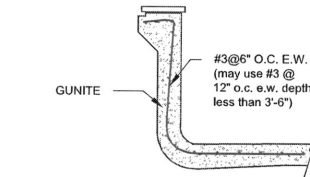


TYPICAL POOL STRUCTURAL SECTION DEEP END
Scale: 1/2" = 1'

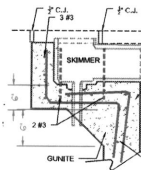


TYPICAL GENERAL POOL LAYOUT PLAN VIEW

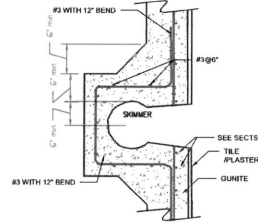
BOND BEAM SCHEDULE REINFORCING STEEL		TOPFACE
L ≤ 40'	4 #4	3/1
L > 40' - 45'	5 #4	3/2
L > 45' - 50'	6 #4	3/3
L > 50' - 55'	7 #4	3/4
L > 55' - 60'	8 #4	3/5



TYPICAL POOL STRUCTURAL SECTION SHALLOW END
Scale: 1/2" = 1'



SKIMMER SECTION VIEW
Scale: 1" = 1'



SKIMMER PLAN VIEW
Scale: 1" = 1'

GENERAL POOL NOTES:

Pool drains shall be compliant with latest edition of ANSI/APSP/ICC-16 Pool installer to obtain all necessary approvals prior to installation Pool shall be built by experienced licensed pool contractor

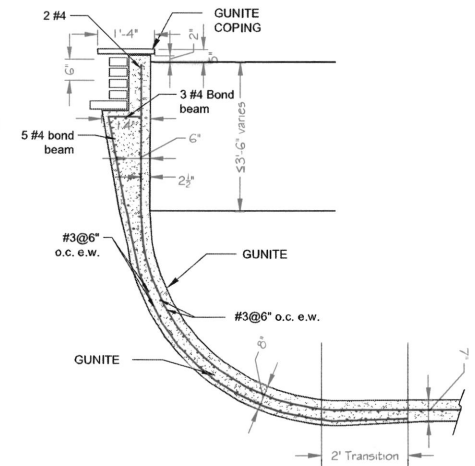
Pool base material:
Base slab shall have minimum 4" thick AASHTO #57 aggregates

Pool Reinforcing:
All reinforcing steel shall be in accordance with ASTM compliant Grade 40 Specifications.

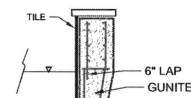
Pool Gunite Shell minimum requirements:
All work in accordance with the Gunite Contractors Assoc. "GUNITE & SHOTCRETE" manual.
Concrete TYPE I Portland cement, 3500 PSI , 14" concrete bond beam with 3-4" deck shelf, 10" coping top, 4 hydrostatic relief valves, 7" walls, 7" coves and 7" bottom floor

STRUCTURAL NOTES:

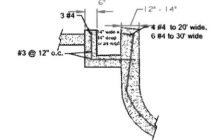
- ALL WORK PER COUNTY ADOPTED CODE OR LATEST EDITION OF THE IBC & IRC.;
- POOL WALLS ALLOWED TO PROJECT 2.5' ABOVE GRADE;
- SEE POOL SITE PLAN DRAWINGS FOR PIPING, ELECTRICAL, EQUIPMENT, DRAINAGE AND OTHER INFORMATION;
- ALL WORK PER ISPSC LATEST EDITION;
- SUBGRADE TO BE APPROVED BY THE ENGINEER OR COUNTY. MINIMUM BEARING CAPACITY TO BE 3000PSF. SUBGRADE TO BE VIRGIN OR CONTROLLED FILL OTHERWISE PIERS ARE REQUIRED. DO NOT BUILD ON EXPANSIVE CLAY OR SILT (CH OR MH OR ORGANICS);
- ALLOWABLE SOIL LOAD ON POOL WALL NOT TO EXCEED 45PSF/F, ENGINEER TO VERIFY PRIOR TO CONSTRUCTION;
- ALL EXCAVATION AND WORK IN ACCORDANCE WITH OSHA & MOSHA REQUIREMENTS. KEEP EXCAVATION FREE OF PONDING WATER;
- REINFORCING STEEL GRADE 40 DEFORMED; GUNITE PNEUMATICALLY PLACED 3500PSI @ 28 DAYS;
- POOL WALL REINFORCING STEEL #3 @ 6" O.C. EACH WAY OR #4 @ 12" O.C. EACH WAY 2 1/2" FROM INSIDE EDGE OF POOL. MAY USE #3 @ 12" O.C. DEPTH LESS THAN 3'-6" BUT MUST LAP TRANSITION WITH 30" LONG #3's @ 12" O.C.;
- MAXIMUM DEPTH OF POOL IS 10' (TOP OF POOL WALL TO INSIDE BOTTOM OF POOL);
- POOL DESIGN IS FREE FORM TYPE WITHIN DIMENSIONS ON THESE PLANS;
- GUNITE SHELL MAY BEAR ON VIRGIN SOIL OR 4" - 6" OF COMPACTED GAB/CRUSH-N-RUN OR #57 STONE;
- ALL WORK IN ACCORDANCE WITH LATEST EDITION OF GUNITE CONTRACTORS ASSOCIATION MANUAL "GUNITE & SHOTCRETE";
- CLEARANCES OF THE POOL FROM SLOPES MUST COMPLY WITH IBC SECTION 1808.7 OR R403.1.7.



RAISED BOND BEAM SECTION OPTION
Scale: 1/2" = 1'



TILE FACE OPTION
Scale: 1/2" = 1'



POOL COVER SECTION OPTION
Scale: 1/2" = 1'

BONDING NOTES:

ALL ELECTRICAL WORK WILL CONFORM TO THE BUILDING CODE AND NEC LATEST ADOPTED EDITIONS. All structural steel to be bonded with #8 copper ground wire to swimming pool equipment. Light niches to be bonded to swimming pool equipment Meets Safety code ASTM F1346 100% Copper bonding wire / grid bonded.3 feet around entire perimeter with 4 connection points UL Listed Direct Burial underground clamps Bond patio with Copper Per NEC 680.26 (c) Electrical Code

REVISIONS		
No.	DATE	DESCRIPTION

DRAWN BY: **RMK**
DESIGN BY: **WKR**
CHECKED BY: **WKR**
DATE: **11/18/2025**
DO NOT SCALE THIS DRAWING DIMENSIONS AND NOTES GOVERN OVER ANY DIMENSIONS TAKEN FROM ANY OTHER DRAWING

CLIENT: **Rhino Pools**
OWNER: **Zumbur Residence**
JOB No: **1740-25-02**

Ryan & Associates
Real World Engineering
RA Office
2412 Wynfield Ct.
Frederick, MD 21702
301-360-9534 (ph)
www.ryanandassociates.net
info@ryanandassociates.net

*Zumbur Residence Proposed Pool
Pool Layout Site Plan
724 Woodbine Crossing
Woodbine, MD 21797*

STATE OF MARYLAND
PROFESSIONAL ENGINEER
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer.
WKR
Robert K. Ryan, P.E.
11/20/2025
ENGINEER SEAL License No. 21808

SHEET
S003 of 3
(24" x 36")

Eshenbaugh, Melanie

From: Eshenbaugh, Melanie
Sent: Wednesday, November 26, 2025 11:42 AM
To: Dan Murphy
Subject: B25005225

Good morning,

After review of building permit B25005225 and the submitted documentation, we kindly request a revised site plan to scale showing the dirt spoil pile, and access to complete our review of the building permit process. Please let me know if you have any questions and hope you have a nice holiday.

Melanie Eshenbaugh
Bureau of Environmental Health
Howard County Health Dept.
8930 Stanford Blvd. Columbia, MD 21045
www.hchealth.org

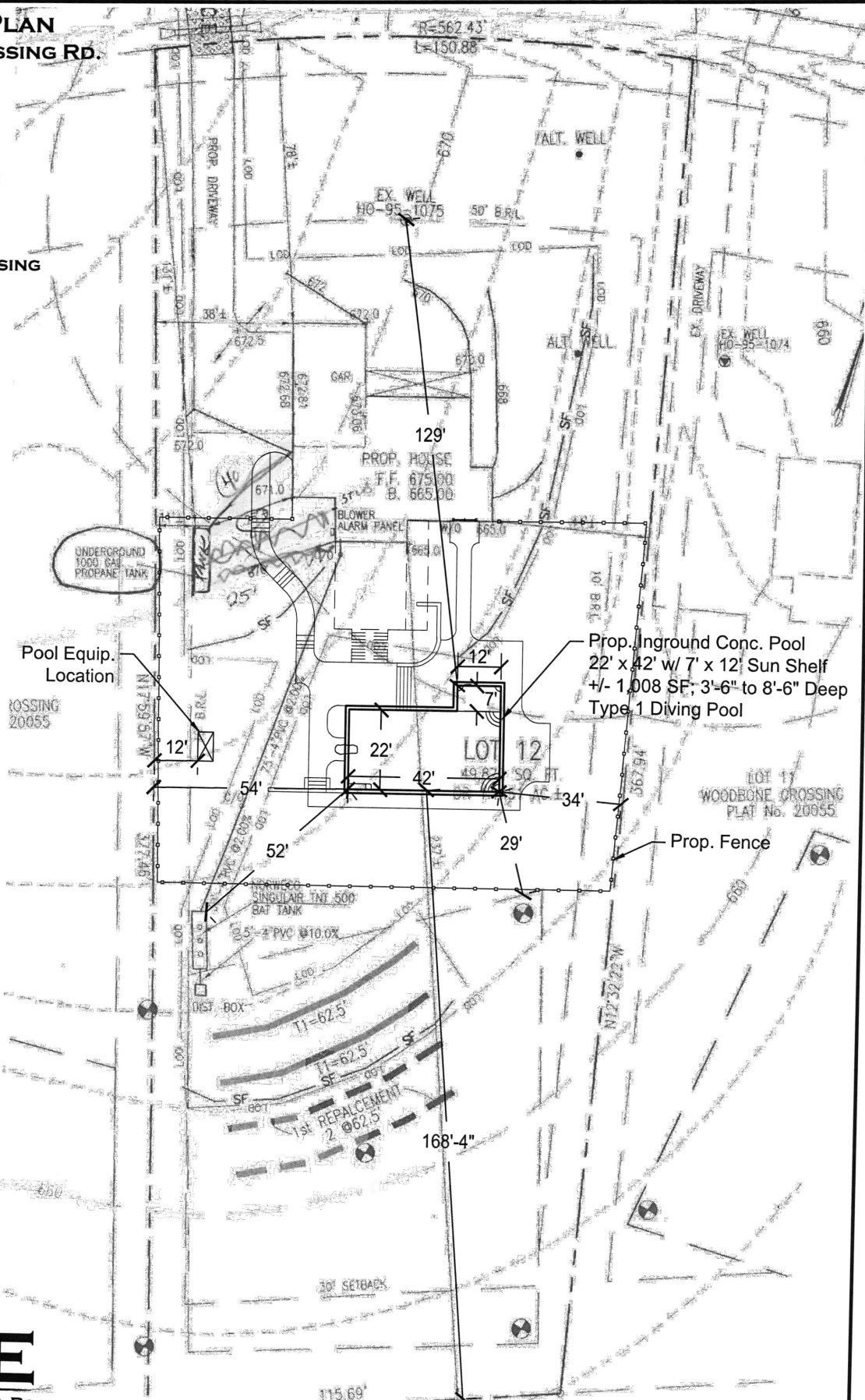


CONFIDENTIALITY NOTICE

This message and the accompanying documents are intended only for the use of the individual or entity to which they are addressed and may contain information that is privileged, confidential, or exempt from disclosure under applicable law. If the reader of this email is not the intended recipient, you are hereby notified that you are strictly prohibited from reading, disseminating, distributing, or copying this communication. If you have received this email in error, please notify the sender immediately and destroy the original transmission.

POOL LOCATION PLAN
724 WOODBINE CROSSING RD.
 1" = 40'-0"
 NOVEMBER 7, 2025

PROPERTY INFORMATION:
 PLAT: 20055 LOT: 12
 TAX MAP: 2 GRID: 24
 PARCEL: 253
 DESC.: WOODBINE CROSSING



RHINE

LANDSCAPING • CONSTRUCTION • POOLS

MHIC # 121739

PO Box 1825, Sykesville, MD 410-442-2445

www.rhinelandscaping.com • www.rhinepools.com



Howard County
Health Department

Bureau of Environmental Health
8930 Stanford Boulevard, Columbia, MD 21045
Main: 410-313-2640 | Fax: 410-313-2648
TDD 410-313-2323 | Toll Free 1-866-313-6300
www.hchealth.org
Facebook: www.facebook.com/hocohealth

Maura J. Rossman, M.D., Health Officer

RECEIPT DATE: 6/2/14

ONSITE SEWAGE DISPOSAL SYSTEM

P 558740-A

APPROVAL DATE: 6/16/2016

PERMIT: CONSTRUCTION

A _____

PROPERTY ADDRESS: 724 Woodbine Crossing

SUBDIVISION: Woodbine Crossing

LOT: 12

TAX ID: _____

CONTRACTOR: WTC Contractors

EMAIL: _____

CONTRACTOR ADDRESS: 3033 Salem Bottom Road, Westminster, MD 21157

PHONE: 443-458-7024

CONTRACTOR CERTIFIED FOR BAT INSTALLATION: MDE MANUFACTURER:

PROPERTY OWNER: Catonsville Homes

EMAIL: _____

OWNER ADDRESS: 11175 Stratfield Court, Marriottsville, MD 21104

PHONE: _____

BAT UNIT MODEL: Norweco TNT-500

PUMP SIZE: _____

PUMP TANK CAPACITY: 1250 gal

OPERATION & MAINTENANCE AGREEMENT DATE SIGNED: 6/18/14

DATE RECORDED: 6/18/14

DISTRIBUTION SYSTEM: GRAVITY

PRESSURE DOSED

BEDROOMS: 4

APPLICATION RATE: 0.8

TRENCHES:

LINEAR FEET REQUIRED: 125 135

INLET DEPTH: 3.5'

TRENCH WIDTH: 8 2'

MAXIMUM BOTTOM DEPTH: 8

MINIMUM SPACE

BETWEEN TRENCHES: 10

EFFECTIVE AREA BEGINNING DEPTH: 5 4'

LOCATION:

PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND BAT UNIT LOCATION MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.

NOTES:

Initial system good @ 4' eff. area.
2x60'

ISSUED BY: Hank Oswald

-KMU

ISSUE DATE: 6/2/16

EXPIRATION DATE: 6/2/17

NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION

NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING

NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.

NOTE: WATERTIGHT SEPTIC TANKS REQUIRED

NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE AT LEAST 100 FEET DOWNGRADIENT FROM ANY WATER WELL

NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

NOTE: AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM

ELECTRICAL PERMIT ISSUED E 16000470

NOTE: AN INDIVIDUAL CERTIFIED BY MDE AND THE MANUFACTURER FOR BAT INSTALLATION MUST BE PRESENT AT ALL TIMES DURING BAT INSTALLATION.

NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.

PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.

CALL 410-313-1771 TO SCHEDULE INSPECTIONS.

