MONTGOMERY COUNTY HISTORIC PRESERVATION COMMISSION
STAFF REPORT

Address:	19001 Bucklodge Rd, Boyds	**Meeting Date:**	11/12/2025
Resource:	Master Plan Site *#18/15* **Friend's Advice**	**Report Date:**	11/5/2025
		Public Notice:	10/29/2025
Applicant:	Peter Taylor (Valentina Herrera, Agent)	**Tax Credit:**	No
Review:	HAWP	**Staff:**	Devon Murtha
Permit Number:	1136176		
PROPOSAL:	Pool modifications and hardscape alterations		

STAFF RECOMMENDATION

Staff recommends that the Historic Preservation Commission (HPC) **approve** the HAWP application.

ARCHITECTURAL DESCRIPTION

SIGNIFICANCE: Master Plan Historic Site
STYLE: Federal/Colonial Revival
DATE: 1806-1951

Figure 1: The subject property (yellow star) is located at 19001 Bucklodge Road.

PROPOSAL

The applicant proposes to remodel an existing in-ground pool. The scope of work includes:

- minor alterations to the shape of the pool,
- remove of the existing copings,
- installing techo-block pavers around the pool; and,
- regrading the area to the north of the pool to accommodate a stone retaining wall and four stairs.

Figure 2: Existing pool.

Figure 3: Proposed pool rendering (left) and plan rendering (right).

APPLICABLE GUIDELINES

In accordance with section 1.5 of the Historic Preservation Commission Rules, Guidelines, and Procedures (Regulation No. 27-97) ("Regulations"), in developing its decision when reviewing a Historic Area Work Permit application for an undertaking at a Master Plan site, the Commission uses the *Montgomery County Code ("Chapter 24A")*, the *Secretary of the Interior's Standards and Guidelines for Rehabilitation (Standards)*, and pertinent guidance in applicable master plans. [Note: where guidance in an applicable master plan is inconsistent with the Standards, the master plan guidance shall take precedence (section 1.5(b) of the Regulations).] The pertinent information in these documents, incorporated in their entirety by reference herein, is outlined below.

Montgomery County Code, Chapter 24A-8

The following guidance which pertains to this project are as follows:

(b) The commission shall instruct the director to issue a permit, or issue a permit subject to such conditions as are found to be necessary to ensure conformity with the purposes and requirements of this chapter, if it finds that:

(1) The proposal will not substantially alter the exterior features of an historic site or historic resource within an historic district; or

(2) The proposal is compatible in character and nature with the historical, archeological, architectural or cultural features of the historic site or the historic district in which an historic resource is located and would not be detrimental thereto or to the achievement of the purposes of this chapter;

Secretary of the Interior's Standards for Rehabilitation

The Secretary of the Interior defines rehabilitation as "the act or process of making possible a compatible use for a property through repair, alterations, and additions while preserving those portions or features, which convey its historical, cultural, or architectural values." The applicable *Standards* are as follows:

2. The historic character of a property shall be retained and preserved. The removal of historic materials or alteration of features and spaces that characterize a property shall be avoided.

9. New additions, exterior alterations, or related new construction will not destroy historic materials, features, and spatial relationships that characterize the property. The new work will be differentiated from the old and will be compatible with the historic materials, features, size, scale and proportion, and massing to protect the integrity of the property and its environment.

BACKGROUND

The Friend's Advice Master Plan Site is located at 19001 Bucklodge Road and is set on 38.23 acres of land. It is architecturally significant as a collection of buildings and landscape features that date from the early nineteenth through the mid-twentieth century that testify to the agricultural and recreational character of the property. It is described in *Places from the Past* as follows:

> The estate known as Friends Advice, built by the Dade family and their descendants, represents a progression of styles spanning more than a century. The T-shaped house was built in three district periods and types of construction. Between 1795 and 1810, Rev. Townshend Dade built a three-bay house of Seneca sandstone, now part of a rear wing. Granddaughter Mary Dade Wall and spouse William Wall built the rear frame kitchen wing in 1880, replacing the original 18th century log cabin. Their son, William Guy Wall, built the front Colonial Revival sandstone section, in 1936. The property includes outbuildings from all three periods. The oldest outbuilding is a Seneca sandstone springhouse inscribed with the date 1806. A bank barn dates from 1822. The smokehouse, icehouse, and tenant house date from c1880. Also from the era is a terraced lawn in front of the house. About 1936, the sandstone garage/office and swimming pool were built.[1]

There have been numerous alterations to the property since it was added to the Master Plan in 1989, including

[1] Clare Kelly, *Places from the Past : the Tradition of Gardez Bien in Montgomery County, Maryland* (Silver Spring, The Maryland-National Capital Park and Planning Commission, 2001), 157.

- Demolition of the historic icehouse (pre-1998)
- Partial demolition of the 19th century rear frame kitchen wing to accommodate a two story-addition (2003),
- Fenestration alterations to the southside of the late 18th century rear wing (2003),
- Demolition of the historic bathhouse (2003).
- Renovation of the pool (2004-2008), and
- Demolition of the historic meat house (2004-2008).[2]

Figure 4: View of front/west elevation of the main house in 1992 (left, Roy Gauzza) and 2017 (right BrightMLS).

Figure 5: The south elevation of the house in 1988 (left; Carol Humphries) and in 2017 (right; BrightMLS).

Pool Alterations

The original pool was intact in 1989 when the property was added to the Montgomery County Master Plan for Historic Preservation. Based on historic photos, it appears that the pool was rectangular in shape, with hardscaping located on the south end to provide access to the historic bathhouse (*Figure 6*).

[2] Staff has not been able to locate a Historic Area Work Permit for any alterations to the property. Staff will be following up with the current owners to discuss bringing the property into compliance.

Figure 6: View of pool and bathhouse in 1989 (left) and plan showing pool in relation to main house (1998).

Between 2004 and 2008, the pool was altered. Although it retained its general historic location, it was substantially widened. Additionally, the shape and entrance stairs to the pool were altered. Following the demolition of the bathhouse in 2003, the pool was reoriented towards the main house to the north (*Figure 7*).

Figure 7: Aerial image of the pool in 2004 (left) and 2008 (right).

STAFF DISCUSSION

Staff is supportive of the proposal, finding that it meets Chapter 24A-8 and *Standards 2* and *9.* Although the location of the pool is historic, it has been substantially altered and lacks its original decorative elements and profile. Per Chapter 24A-8(b) and *Standard 2*, the proposal will not substantially alter the exterior features of an historic site or remove any historic fabric. Staff finds its unlikely that any historic fabric, such as historic copings, were retained during its 2004-2008 renovation. Per *Standard 9*, alterations will not destroy any features and spatial relationships that characterize the property. Staff finds that the only remaining historic element of the pool is its location and spatial relationship to the historic house, which will be retained. Per *Standard 9*, the new work will be differentiated from the old and will be compatible with the historic materials, features, size, scale and proportion, and massing to protect the integrity of the property and its environment. Staff finds that the additional hardscaping and regrading will have no impact of the overall character of the resource. The techo-bloc pavers and stone retaining wall are compatible with the overall character of the resource, and with the character of a concrete pool.

STAFF RECOMMENDATION

Staff recommends that the Historic Preservation Commission (HPC) **approve** the HAWP application under the Criteria for Issuance in Chapter 24A-8(b), (1) and (2), having found that the proposal will not substantially alter the exterior features of the historic resource and is compatible in character with the district and the purposes of Chapter 24A;

and with the *Secretary of the Interior's Standards for Rehabilitation #2* and *#9*;

and with the general condition that the applicant shall present an electronic set of drawings, if applicable, to Historic Preservation Commission (HPC) staff for review and stamping prior to submission for the Montgomery County Department of Permitting Services (DPS) building permits;

and with the general condition that final project design details, not specifically delineated by the Commission, shall be approved by HPC staff or brought back to the Commission as a revised HAWP application at staff's discretion;

and with the general condition that the applicant shall notify the Historic Preservation Staff if they propose to make any alterations to the approved plans. Once the work is completed the applicant will contact the staff person assigned to this application at 301-495-1328 or devon.murtha@montgomeryplanning.org to schedule a follow-up site visit.

HAWP APPLICATION: MAILING ADDRESSES FOR NOTIFING
[Owner, Owner's Agent, Adjacent and Confronting Property Owners]

Owner's mailing address	**Owner's Agent's** mailing address
19001 BUCKLODGE RD, BOYDS, MD 20841	9104 INDUSTRY DR MANASSAS, VA 20111
Adjacent and confronting Property Owners mailing addresses	
Maryland National Capital Park and Planning Commission 17320 Moore Road Boyds, MD 20841	

Description of Property: Please describe the building and surrounding environment. Include information on significant structures, landscape features, or other significant features of the property:

Description of Work Proposed: Please give an overview of the work to be undertaken:

REMODELING AN INGROUND POOL AND ADDING AN INFITINITY EDGE AND ADDING DECKING AROUND POOL

Work Item 1: INGROUND POOL

Description of Current Condition:	Proposed Work:
	REMODEL INGROUND POOL, ADD INFINITE EDGE, AND DECKING AROUND

Work Item 2: _____

Description of Current Condition:	Proposed Work:

Work Item 3: _____

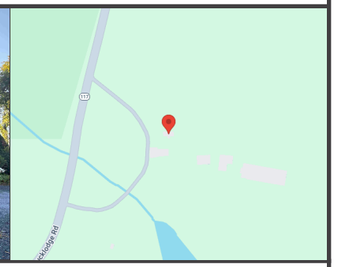
Description of Current Condition:	Proposed Work:

HISTORIC AREA WORK PERMIT
CHECKLIST OF
APPLICATION REQUIREMENTS

	Required Attachments						
Proposed Work	I. Written Description	2. Site Plan	3. Plans/ Elevations	4. Material Specifications	5. Photographs	6. Tree Survey	7. Property Owner Addresses
New Construction	*	*	*	*	*	*	*
Additions/ Alterations	*	*	*	*	*	*	*
Demolition	*	*	*		*		*
Deck/Porch	*	*	*	*	*	*	*
Fence/Wall	*	*	*	*	*	*	*
Driveway/ Parking Area	*	*		*	*	*	*
Grading/Excavation/Landscaing	*	*		*	*	*	*
Tree Removal	*	*		*	*	*	*
Siding/ Roof Changes	*	*	*	*	*		*
Window/ Door Changes	*	*	*	*	*		*
Masonry Repair/ Repoint	*	*	*	*	*		*
Signs	*	*	*	*	*		*

EXACTA
Land Surveyors, LLC

www.exactaland.com | office: 443.819.3994



PROPERTY ADDRESS:
19001 BUCKLODGE ROAD, BOYDS, MARYLAND 20841

SURVEY NUMBER: 2509.0776

DATE SIGNED: 09/11/25 | **FIELD WORK DATE:** 9/10/2025

REVISION DATE(S):
(REV.0 9/11/2025)

POINTS OF INTEREST
NONE VISIBLE

Matthew Nigel Brien
State of Maryland Professional Land Surveyor
License Number 21406

SURVEYORS CERTIFICATE

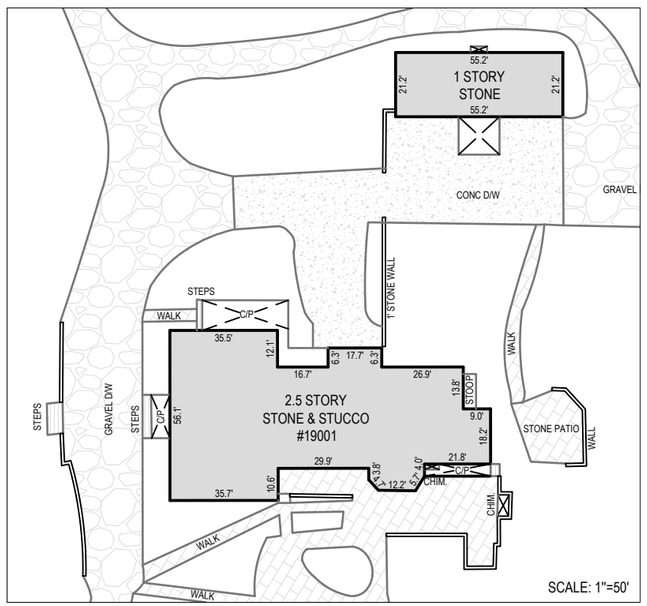
THE INFORMATION SHOWN HERON HAS BEEN BASED UPON THE RESULTS OF A FIELD INSPECTION PURSUANT TO THE DEED OR PLAT OF RECORD. THIS PLAT WAS PREPARED UNDER MY DIRECT SUPERVISION IN ACCORDANCE WITH C.O.M.A.R. SECTION 09.13.06.06 AS NOW ADOPTED BY THE MARYLAND BOARD FOR PROFESSIONAL LAND SURVEYORS AND IS OF BENEFIT TO A CONSUMER ONLY INSOFAR AS IT IS REQUIRED BY A LENDER OR A TITLE COMPANY IN CONNECTION WITH CONTEMPLATED TRANSFER, FINANCING OR REFINANCING THE PROPERTY DEPICTED HEREON.

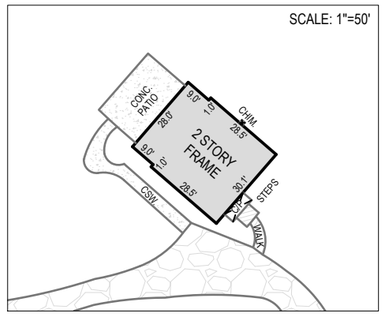
EXACTA
Land Surveyors, LLC

Exacta Land Surveyors, LLC
LB#21937
office: 443.819.3994
4424 Ventura Way, Apt L | Aberdeen, MD 2100

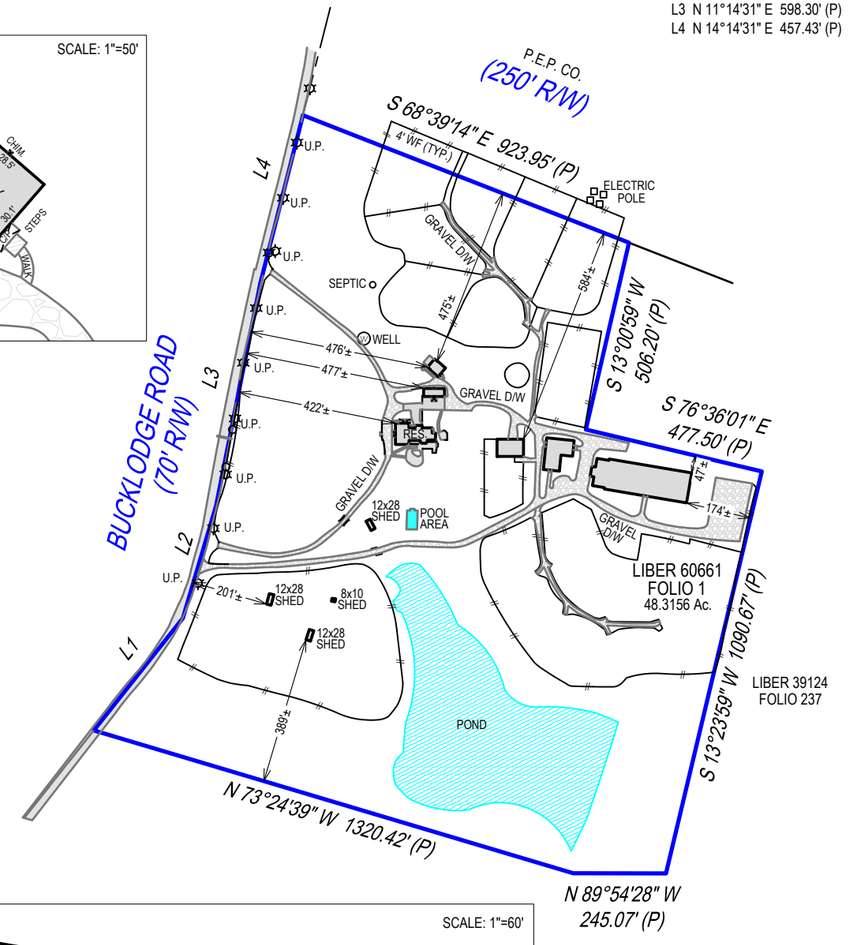
SurveySTARS

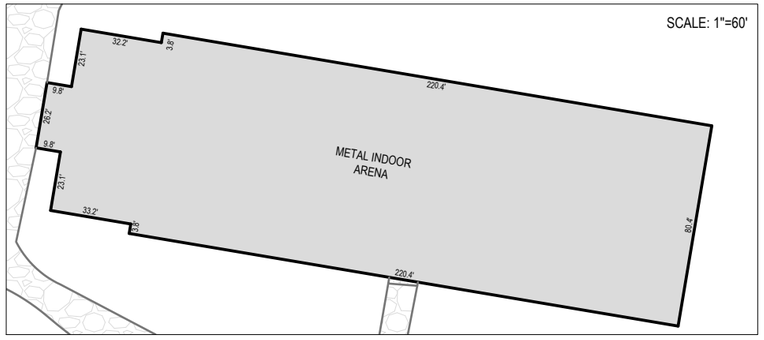
2509.0776
LOCATION DRAWING
MONTGOMERY COUNTY

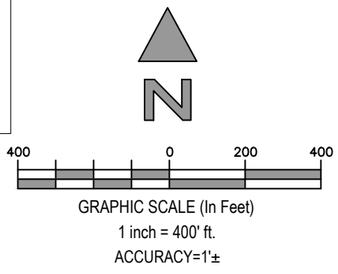




LINE TABLE:
L1 N 38°27'11" E 378.31' (P)
L2 N 16°27'11" E 310.00' (P)
L3 N 11°14'31" E 598.30' (P)
L4 N 14°14'31" E 457.43' (P)





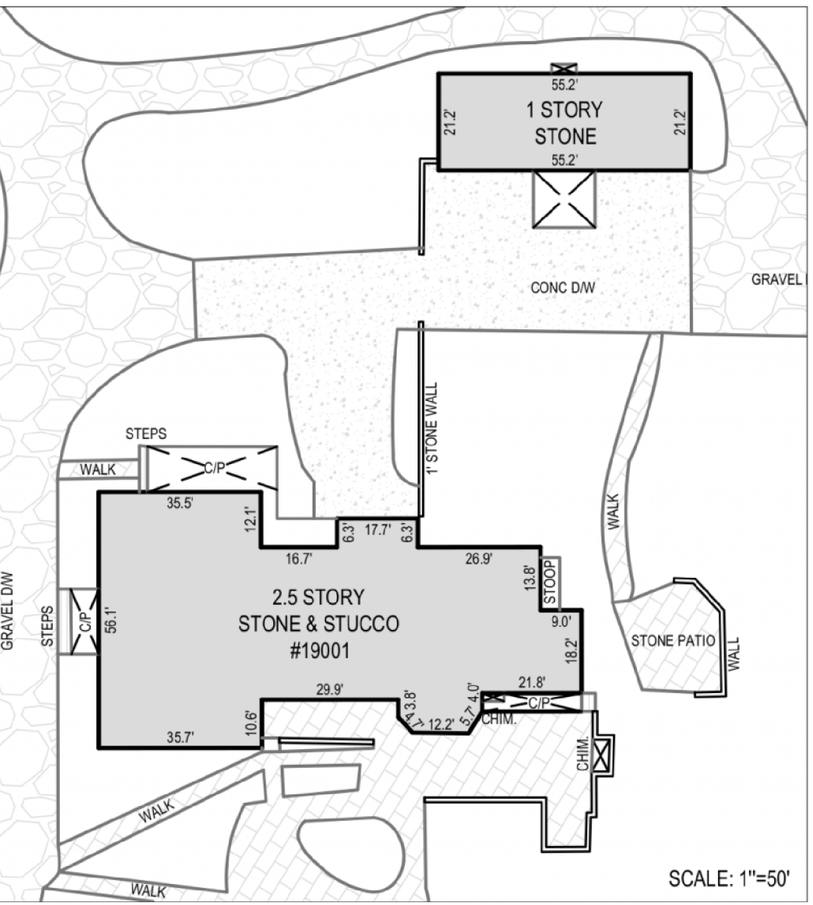


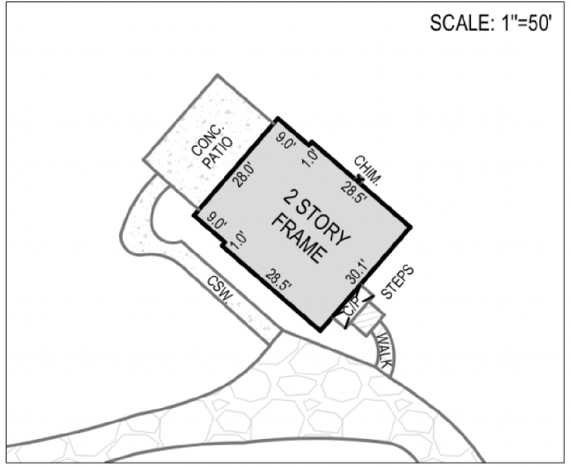
PLEASE NOTE

Per Maryland State Code, Sec. 09.13.06.06, this House Location Drawing is not to be relied upon to determine property boundaries or the establishment or location of existing or future improvements.

No property corners confirmed.

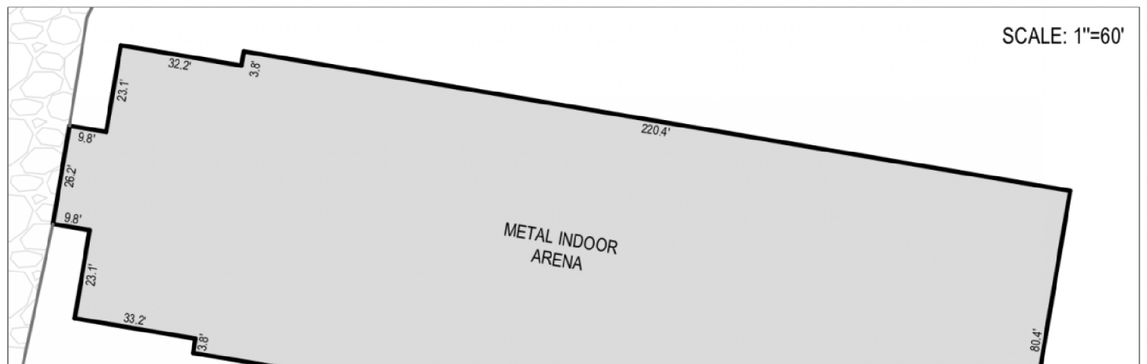
SEE PAGE 2 OF 2 FOR LEGAL DESCRIPTION


1 STORY
STONE
55.2'
21.2'
CONC D/W
GRAVEL D/W
1' STONE WALL
STEPS
WALK
C/P
35.5'
12.1'
16.7'
6.3'
17.7'
26.9'
13.8'
STOOP
2.5 STORY
STONE & STUCCO
#19001
56.1'
9.0'
18.2'
STONE PATIO
WALL
29.9'
21.8'
3.8'
4.0'
12.2'
CHIM.
35.7'
10.6'
WALK
SCALE: 1"=50'


SCALE: 1"=50'
CONC. PATIO
2 STORY
FRAME
28.0'
9.0'
1.5'
CHIM.
28.5'
30.1'
C/P
STEPS
WALK
CSW

P.E.P. CO.
(250' R/W)
S 68°39'14" E 923.95' (P)
4' WF (TYP.)
ELECTRIC POLE
GRAVEL D/W
584'±
475'±
S 13°00'59" W
506.20' (P)
SEPTIC
WELL
U.P.
476'±
477'±
422'±
RES
S 76°36'01" E
477.50' (P)
BUCKLODGE ROAD
(70' R/W)
L4
L3
L2
L1
189' 2"
12x28 SHED
PROPOSED POOL MODIFICATION
32' 4"
327'
EXISTING POOL EQ LOCATION
66' 1"
201'±
8x10 SHED
LIBER 60661
FOLIO 1
48.3156 Ac.
POND
389'±
LIBER 39124
FOLIO 237
S 13°23'59" W 1090.67' (P)
N 73°24'39" W 1320.42' (P)
N 89°54'28" W
245.07' (P)

GRAVEL D/W
70.0'
BARN
45.5'
70.0'
GRAVEL D/W
73.2'
STABLE
41.4'
CONC.
84.0'
30.8'
48.0'
42.4'
CONC.


SCALE: 1"=60'
METAL INDOOR
ARENA
32.2'
3.8'
23.1'
9.8'
220.4'
26.2'
9.8'
23.1'
33.2'
80.4'

Endless
Design Consultants

POOL CONCRETE ESTIMATED AT 12" THICKNESS
REBAR ESTIMATED AT #4 10" OFF-CENTER

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a dully licensed professional engineer under the laws of the state of Maryland.
License No. 41858
Expiration Date: 05/10/2026

DECKING/STEPS

Existing Concrete Area: N/A
New Decking Perimeter: 307'
New Decking Area: 839 ft²
New Decking Concrete: 10.4 yards³
Riser Linear Feet: 56 ft

POOL

Envelope: 52' x 24'
Waterline Perimeter: 152'
Area: 1248 ft²
Int Surface Area: 1945.14 ft²
Volume: 36,997 gallons
Drains: 2
Lights: 2
Spillover Length(s): 24'
Tile Line: +6" 152'
Exterior Facing: 0 ft²
Coping Area: 134.5 ft²
Coping Interior: 130' 6"
Raised Beams: 2' 6" at +2"
Steps/Benches: 6
Step Linear Ft: 58' 9"
Step Perimeter: 132' 9"
Step Area: 185.03 ft²
Trim Tile: 56' 11" at +2"
Excavation - Top: 0 ft³
Excavation - Hole: 6756 ft³
Concrete: 78.9 yards³
Rebar: 5708' 2"

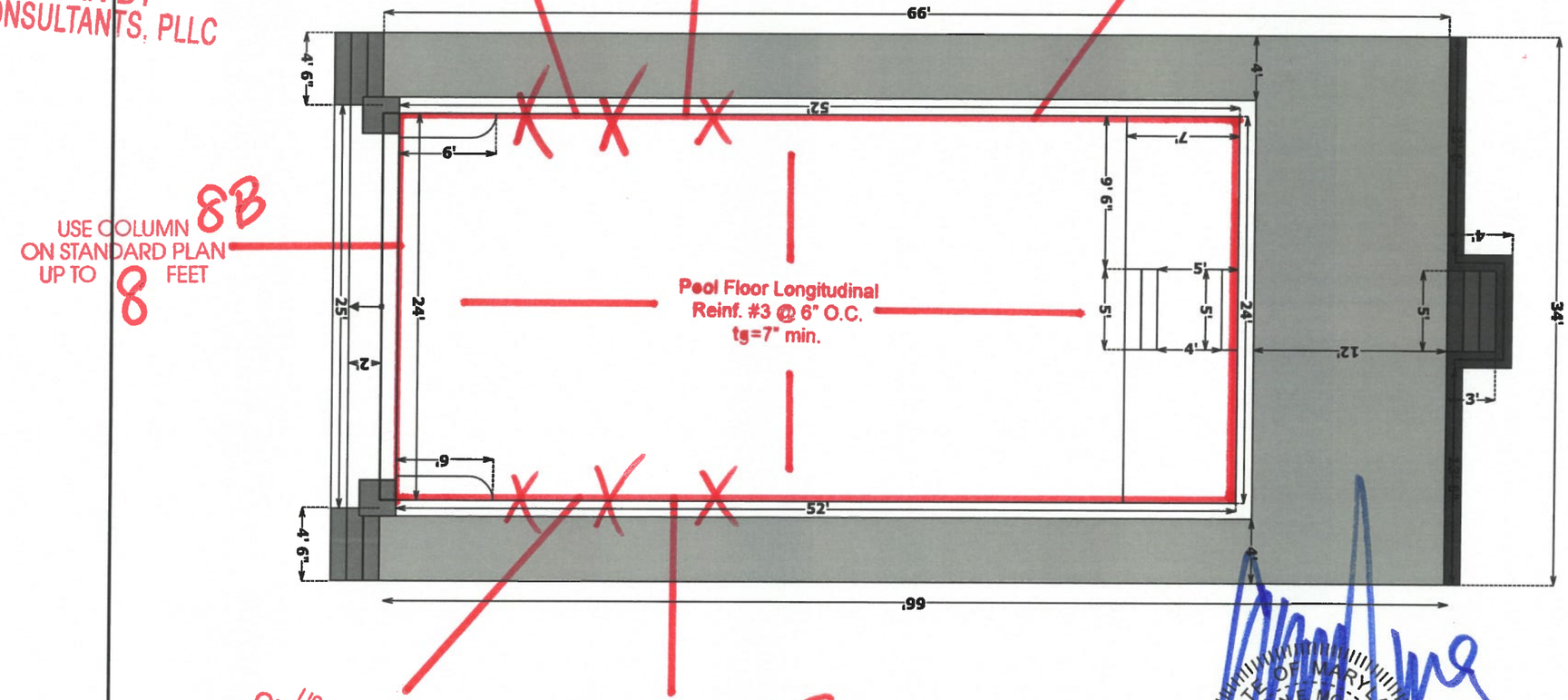
SEE STANDARD GUNITE AND REINFORCEMENT DETAIL PLAN BY AMMTEC CONSULTANTS, PLLC

USE COLUMN 7B ON STANDARD PLAN UP TO 7 FEET

USE COLUMN 6B ON STANDARD PLAN UP TO 6 FEET

USE COLUMN 5B ON STANDARD PLAN UP TO 5 FEET

USE COLUMN 8B ON STANDARD PLAN UP TO 8 FEET



USE COLUMN 7B ON STANDARD PLAN UP TO 7 FEET

USE COLUMN 6B ON STANDARD PLAN UP TO 6 FEET

STATE OF MARYLAND
ALEXANDER MONEY
41858
PROFESSIONAL ENGINEER
SEP 26 2025

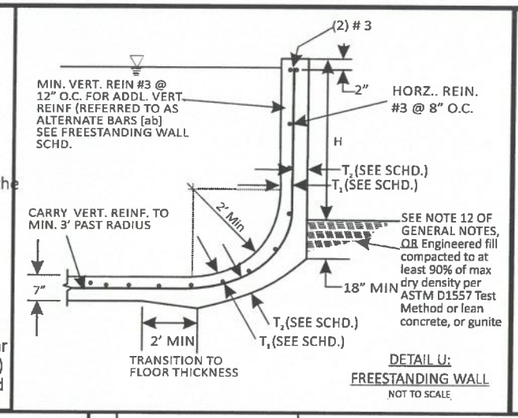
DATE: 08/04/2025	POOL LAYOUT
ADDRESS: 19001 BUCKLODGE ROAD	
SCALE 3/32" = 1 FT	

Blue Haven Mid-Atl:- Taylor - 19001 Bucklodge Road. Boyds, MD

Long Stamp

FOOTNOTES TO REINFORCEMENT & GUNITE SCHEDULE

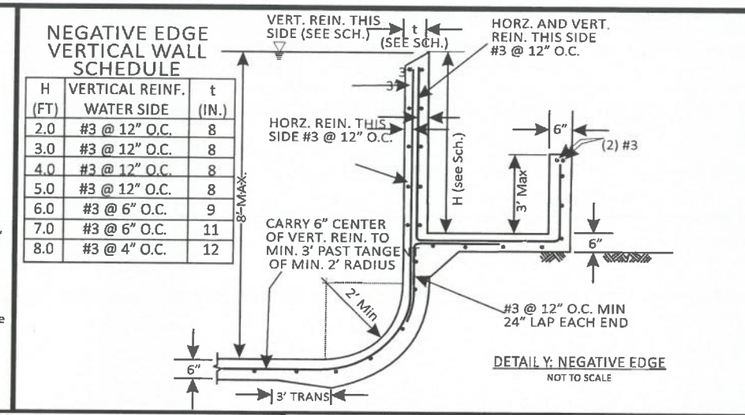
1. Soil category A considered normal soil GP, GW, SP, SW. Assumed to have the following properties: Unit Weight = 120 PCF As classified by 2021 IBC Table 1610.1
2. Soil Category B considered expansive soil SM, SC, ML, CL or normal soil with a 2:1 (H:V) slope. Assumed to have the following properties: Unit Weight = 125 PCF As classified by 2021 IBC Table 1610.1
3. Soil Category C considered critically expansive soil or expansive soil with a 2:1 slope. Assumed to have the following properties: Unit Weight = 125 PCF As classified by 2021 IBC Table 1610.1
4. ab, Alternate Bars (# of vertical alternate reinforcing bars in addition to #3 @ 12" o.c.)
5. tg, Thickness of Gunite (minimum gunite thickness, inches).
6. Continue alternate reinforcement 1.0 ft. past end of radius into pool floor.
7. Continue alternate reinforcement 2.0 ft. past end of radius into pool floor.
8. Continue alternate reinforcement 3.0 ft. past end of radius into pool floor.
9. Continue alternate reinforcement 4.0 ft. past end of radius into pool floor.
10. Site Conditions that require the use of a freestanding wall usually involve construction of the pool on or near a slope. If the toe of the freestanding wall is within 10 feet of a slope greater than 5:1 (horizontal to vertical) or if the excavation for the pool is not carried through the generally looser surface soils, the engineer should be contacted to determine in writing if a site specific soil investigation is warranted.



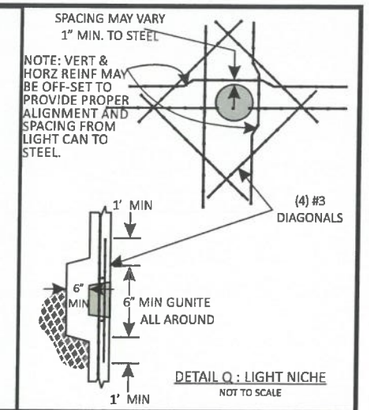
DETAIL U: FREESTANDING WALL
NOT TO SCALE

NEGATIVE EDGE VERTICAL WALL SCHEDULE

H (FT)	VERTICAL REINF. WATER SIDE	t (IN.)
2.0	#3 @ 12" O.C.	8
3.0	#3 @ 12" O.C.	8
4.0	#3 @ 12" O.C.	8
5.0	#3 @ 12" O.C.	8
6.0	#3 @ 6" O.C.	9
7.0	#3 @ 6" O.C.	11
8.0	#3 @ 4" O.C.	12



DETAIL Y: NEGATIVE EDGE
NOT TO SCALE



DETAIL Q : LIGHT NICHE
NOT TO SCALE

GENERAL NOTES

1 Soil category A soil. REQUIRES SOILS INVESTIGATION:
Equivalent fluid pressure= 30 pounds per square foot (PSF) Unit Weight = 120 PCF
Soil Category B. PRESUMPTIVE CLASS 4 (TABLE 1610.1) have the following properties:
Equivalent fluid pressure = 45 PSF Unit Weight = 125 PCF
Soil Category C. PRESUMPTIVE CLASS 5 (TABLE 1610.1) have the following properties:
Equivalent fluid pressure = 60 PSF Unit Weight = 125 PCF

2 For the following adjacent structure: footing distance for a one or two story structure (L) away from pool edge, See the following: (Applies to footings for 1 to 2 story wood framed structures which run parallel to pool wall) (Does not apply to non-retaining screen walls)
L=0 to 1.9 ft., check w/ engineer, may require special engineering
L=2.0 to 4.9 ft. Use Soil Category C
L=Greater than the maximum depth of pool Use Soil Category B or C (See Authorization Letter by AMMTEC)

3 Gunite shall be proportioned and placed according to IBC 2021 & ACI 506. Cement to aggregate, in dry weight, shall not be less than five to one.

4 Design based on 28 day compressive strength of 2,500 psi. Type V cement only. If water soluble sulfate in soil is less than 0.10% by weight, then min. 2,500 psi gunite can be used.

5 Reinforcement steel shall meet ASTM A615-40. Lap splices shall be at least 40 bar diameters. All bends shall be sharp. IBC 2021 shall be used as a guideline.

6 Rebar placement should be such that the distance from the inside grout face to rebar should be a minimum of "tg" minus 3 inches.

7 1 (one) alternate #4 bar may be substituted for 2 alternate #3 bars.

8 For areas where a ramp has been excavated and backfill is not compacted to a minimum of 90 percent of the maximum dry density of the ASTM D1557 Compaction Test. Reinforcement should consist of #3 bars at 6 inch centers, each way (both horizontal and vertical). The extra horizontal reinforcement should extend a minimum of 3 feet past the edge of the ramp excavation on either side. Minimum cover of gunite over the reinforcement on the outside of the pool should be increased from 3 to 4 inches.

9 A pressure relief valve shall be installed in pools located in areas where the ground water table or potential perched water intersects the pool during any period of any given year.

10 Up to 2 inch diameter pipe may be placed in the lower outside corner of the bond beam provided a minimum clearance equal to 0.75 times the nominal maximum aggregate size (i.e., 1/4 inch for gunite and/or shotcrete) is maintained between the pipe and any parallel reinforcement per IBC 2021. If metal piping is used and is placed in gunite, it shall be wrapped with visqueen or heavy brown paper, except where it passes perpendicularly through the gunite.

11 Soil shall have minimum bearing value of 1,500 psf.

12 Gunite shall be placed on or against firm undisturbed soil.

13 If expansive soils (clays) are encountered, the sides and bottom of the pool excavation must be in moist condition immediately prior to placement of gunite.

14 If slopes are greater than 2:1 or if slopes are encountered in expansive soils with raised bond beams, the engineer should be contacted before proceeding.

15 Minimum radius for wall to floor transition for straight walls is as follows:

Depth, ft.	Min. Radius, ft.	Depth, ft.	Min. Radius, ft.
5.0	1.0	7.0	2.0
6.0	2.0	8.0+	3.0

16 All electrical shall be securely grounded before gunite is placed.

17 All applicable state and local laws and codes shall be followed.

18 Any condition not specifically covered in this plan or unusual conditions encountered during excavation shall be brought to the attention of the engineer before proceeding.

19 If the raised bond beam portion exceeds 2.0 ft. and serves as a retaining wall for soil, the raised portion should have wall drainage installed as shown to prevent build-up of hydrostatic pressures.

20 If free standing wall detail is used due to the presence of loose fill soil on the outside of the wall, then inside thickness of gunite (T) should be as indicated in the above "REINFORCEMENT AND GUNITE THICKNESS SCHEDULE." minus 3.0 inches.

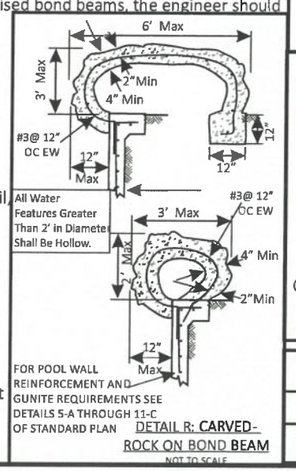
21 Minimal Bond Beam may be used with sand, gravel or rock soil conditions only.

22 For pools in excess of 50 feet and up to 75 feet, add floor longitudinal rebar at 6 inches O.C. extending a minimum of 12 inches past the radius into the sidewall on all sides

23 Max spa length 30 feet.

24 Pool shall be maintained full of water except during change of water or similar short term maintenance activities.

25 PLAN IN COMPLIANCE WITH IBC 2021 .

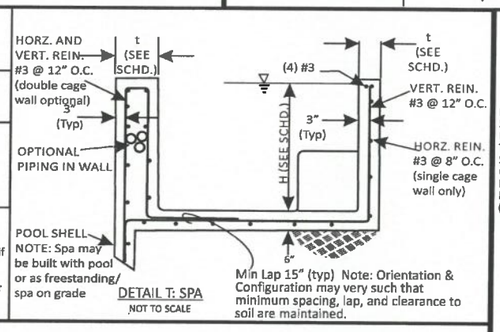


DETAIL R: CARVED-ROCK ON BOND BEAM
NOT TO SCALE

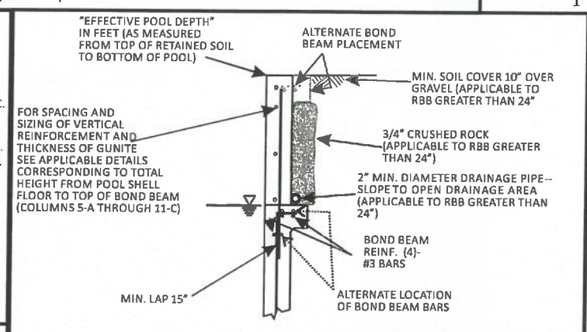
SPA WALL SCHEDULE

DEPTH OF WATER (H) FEET	SHOTCRETE THICKNESS T INCHES
3.0	6
3.5	6
4.0	8
4.5	10
5.0	10

NOTE:
* Vertical Reinf #3 @ 12" O.C.
* Greater wall thickness (T) or double curtain reinf may be used if required for aesthetics or plumbing.
* Double curtain reinf required for above grade walls exceeding 10 inch thickness.

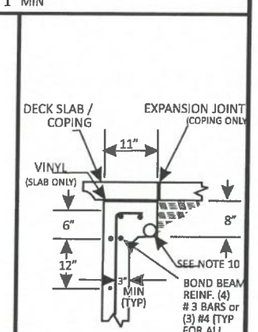


DETAIL T: SPA
NOT TO SCALE

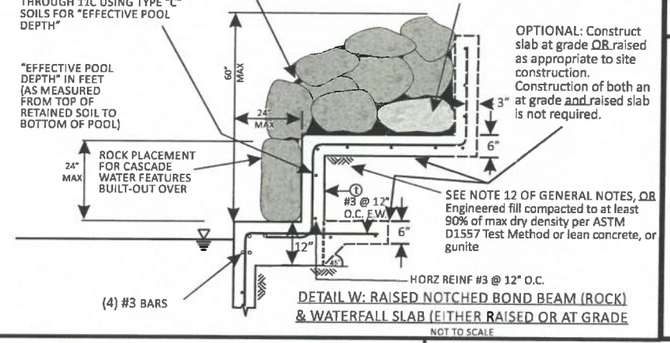


DETAIL X: RAISED BOND BEAM
NOT TO SCALE

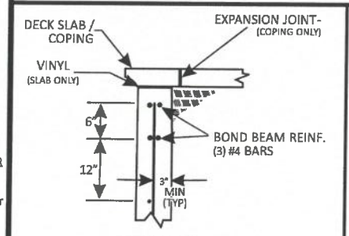
NOTE: 1. Raised Bond Beam applicable to installation of sheer decent.
2. Drainage gravel and piping not required for raised bond beam up to 24 inches.



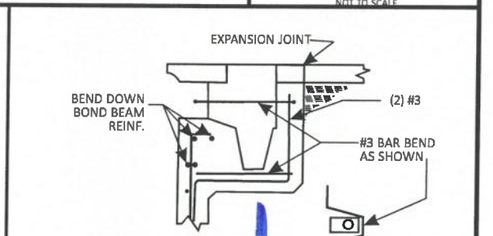
DETAIL N: TYPICAL BOND BEAM CANTILEVER DECK OR COPING
NOT TO SCALE



DETAIL W: RAISED NOTCHED BOND BEAM (ROCK) & WATERFALL SLAB (EITHER RAISED OR AT GRADE
NOT TO SCALE



DETAIL V: MINIMAL BOND BEAM
NOT TO SCALE
(SEE NOTE 21 FOR APPLICATION)



DETAIL S: SKIMMER
NOT TO SCALE

MARYLAND STANDARD GUNITE & REINFORCEMENT DETAIL PLAN

Taylor

ENGINEERED BY: AEM	
DATE: 11/11/2021	REVISED: 11/11/2021
MD PLAN IBC 2021	Sheet # 2 OF 2

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SEP 26 2025

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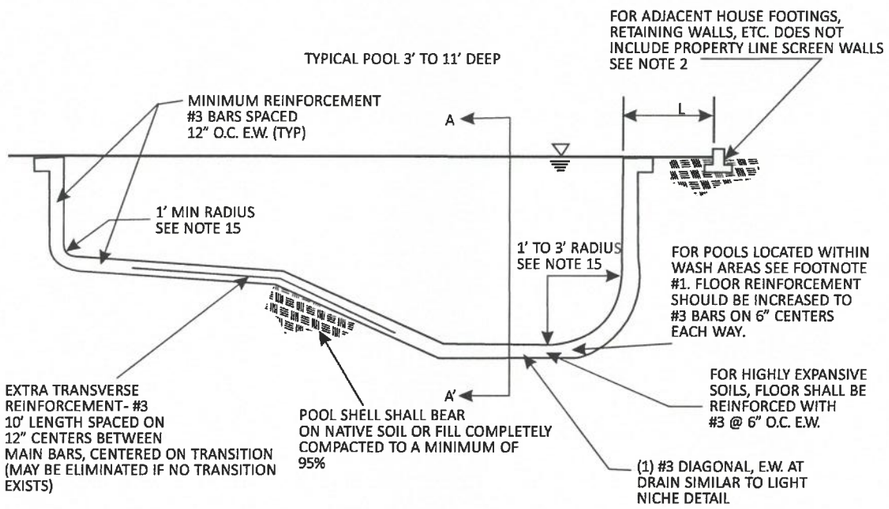
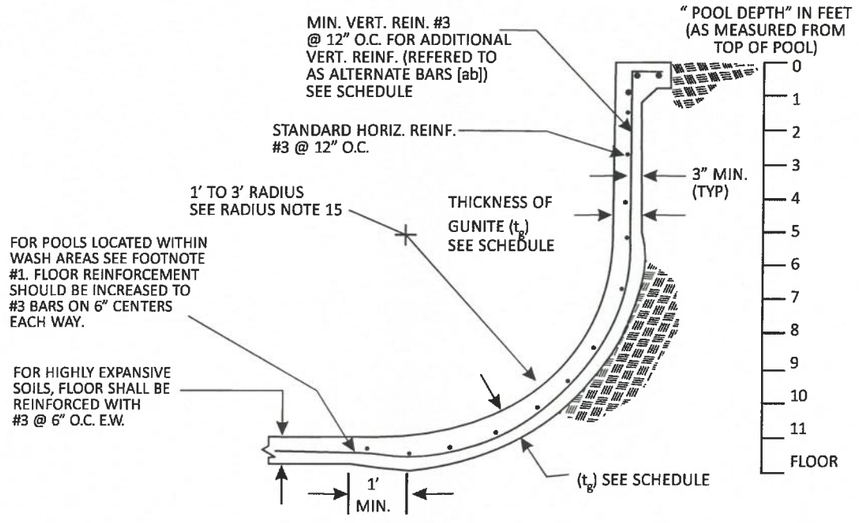
DETAIL A- TYPICAL POOL SECTION

NOTE: ALL POOL, SPA, AND WATER FEATURES SHALL BE BUILT ON FIRM UNDISTURBED NATIVE SOIL OR ENGINEERED FILL COMPACTED TO A MINIMUM OF 95% MAX. DENSITY AS DETERMINED BY ASTM D698



LONGITUDINAL SECTION

NOT TO SCALE



SECTION A-A' DETAIL

NOT TO SCALE

REINFORCEMENT AND GUNITE THICKNESS SCHEDULE

Column	5-A		5-B		5-C		6-A		6-B		6-C		7-A		7-B		7-C		8-A		8-B		8-C		9-A		9-B		9-C		
Soil Category	A'_1		B'_2		C'_3		A'_1		B'_2		C'_3		A'_1		B'_2		C'_3		A'_1		B'_2		C'_3		A'_1		B'_2		C'_3		
Pool Depth	5.0 ft.		5.0 ft.		5.0 ft.		6.0 ft.		6.0 ft.		6.0 ft.		7.0 ft.		7.0 ft.		7.0 ft.		8.0 ft.		8.0 ft.		8.0 ft.		9.0 ft.		9.0 ft.		9.0 ft.		
Depth (ft)	ab_4	tg_4	ab	tg	ab	tg	ab	tg	ab	tg	ab	tg	ab	tg	ab	tg	ab	tg	ab	tg	ab	tg	ab	tg	ab	tg	ab	tg	ab	tg	Depth (ft)
0.0	0	6	0	6	1	6	0	6	0	6	1	6	0	6	0	6	1	6	0	6	0	6	1	7	0	7	0	7	1	7	0.0
0.5																															0.5
1.0																															1.0
1.5																															1.5
2.0																															2.0
2.5																															2.5
3.0									0				0		0		1		0		0		1		0		0		1		3.0
3.5			6						1				1		1		2		1		1		2		1		1		2		3.5
4.0			7																		1										4.0
4.5			7								6				6																4.5
5.0	0	6	7		1	6					7				7						6				7						5.0
5.5											7				7		7				7				8		1		7		5.5
6.0							0	6	1	6	7				8		7		7		2		7				2		8		6.0
6.5															8		8						8				8		9		6.5
7.0													1	6	8		8		2				9				8		10		7.0
7.5																							9				9		11*		7.5
8.0																			1	7	2	8	9				9		11*		8.0
8.5																							9				9		11*		8.5
9.0																							9		1	9	10	2	11*		9.0
floor	0	6	0	6	1_6	7	0	6	1_6	6	1_6	7	1_6	6	1_6	6	2_7	7	1_6	6	2_7	6	2_7	7	2^7	6	2_7	7	2_7	7	

Column	10-A		10-B		10-C		11-A		11-B		11-C		FREESTANDING WALL (Both Normal and Expansive Soil)[14]																		Column
Soil Category	A'_1		B'_2		C'_3		A'_1		B'_2		C'_3		H			I			J			K			L			M			Freestanding Depth
Pool Depth	10.0 ft.		10.0 ft.		10.0 ft.		11.0 ft.		11.0 ft.		11.0 ft.		H = 2.0 ft.			H = 3.0 ft.			H = 4.0 ft.			H = 5.0 ft.			H = 6.0 ft.			H = 7.0 ft.			
Depth (ft)	ab^4	tg^4	ab	tg	ab	tg	ab	tg	ab	tg	ab	tg	ab	T_1	T_2	ab	T_1	T_2	ab	T_1	T_2	ab	T_1	T_2	ab	T_1	T_2	ab	T_1	T_2	Depth (ft)
0.0	0	7	0	7	1	7	0	7	0	7	1	7	0	3	4	0	3	4	0	3	4	0	3	4	0	3	4	0	3	4	0.0
0.5																															0.5
1.0																															1.0
1.5																															1.5
2.0																															2.0
2.5																															2.5
3.0	0		0		1		0		0		1		1			1			1			2			2			2			3.0
3.5	1		1		2		1		1		2										4			4			4			3.5
4.0														3							5			5			5			4.0
4.5														4													5			4.5
5.0																	3										6			5.0
5.5						7				7							4							5			7			5.5
6.0	1		1			8	1		1	8	2	7									5			6			8			6.0
6.5	2		2	7	2	9	2		2		5	8							3	6		5		6			9			6.5
7.0		7		8		10		8		8		8							4			6		7			10			7.0
7.5		8		9		11*		9		9		9										7		8			12*			7.5
8.0		8		10	2	11*		9		10		9	1	4	4	1	4	4	1	4	6	2	3	8	2	3	9	2	3	12*	8.0
8.5		9		11*	3	11*		9		11*		10																			8.5
9.0		9		11*		12*		10	2	12*		10																			9.0
9.5		9		12*		12*		11*	3	12*		11*																			9.5
10.0	2	9	2	12*	3	12*		11*		12*		12*																			10.0
10.5								11*		12*		12*																			10.5
11.0							2	11*	3	12*	5	12*																			11.0
floor	2_7	7	2_7	7	3_8	8	2_7	7	2_7	7	5_9	9	1_6	3	3	1_6	3	3	1_6	3	3	2_7	3	3	2_7	3	3	2_7	3	4	floor

*-Where wall thickness exceeds 10", a second curtain of reinforcement consisting of #3 @ 12" O.C. Each way should be placed @ 3" from waterside face of gunite

MARYLAND STANDARD GUNITE & REINFORCEMENT DETAIL PLAN

Taylor
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Blue Hawen - Mid-Atl.

ENGINEERED BY:	AEM
DATE: 11/11/2021	REVISED: 11/16/2024
MD PLAN IBC 2021	Sheet # 1 OF 2

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