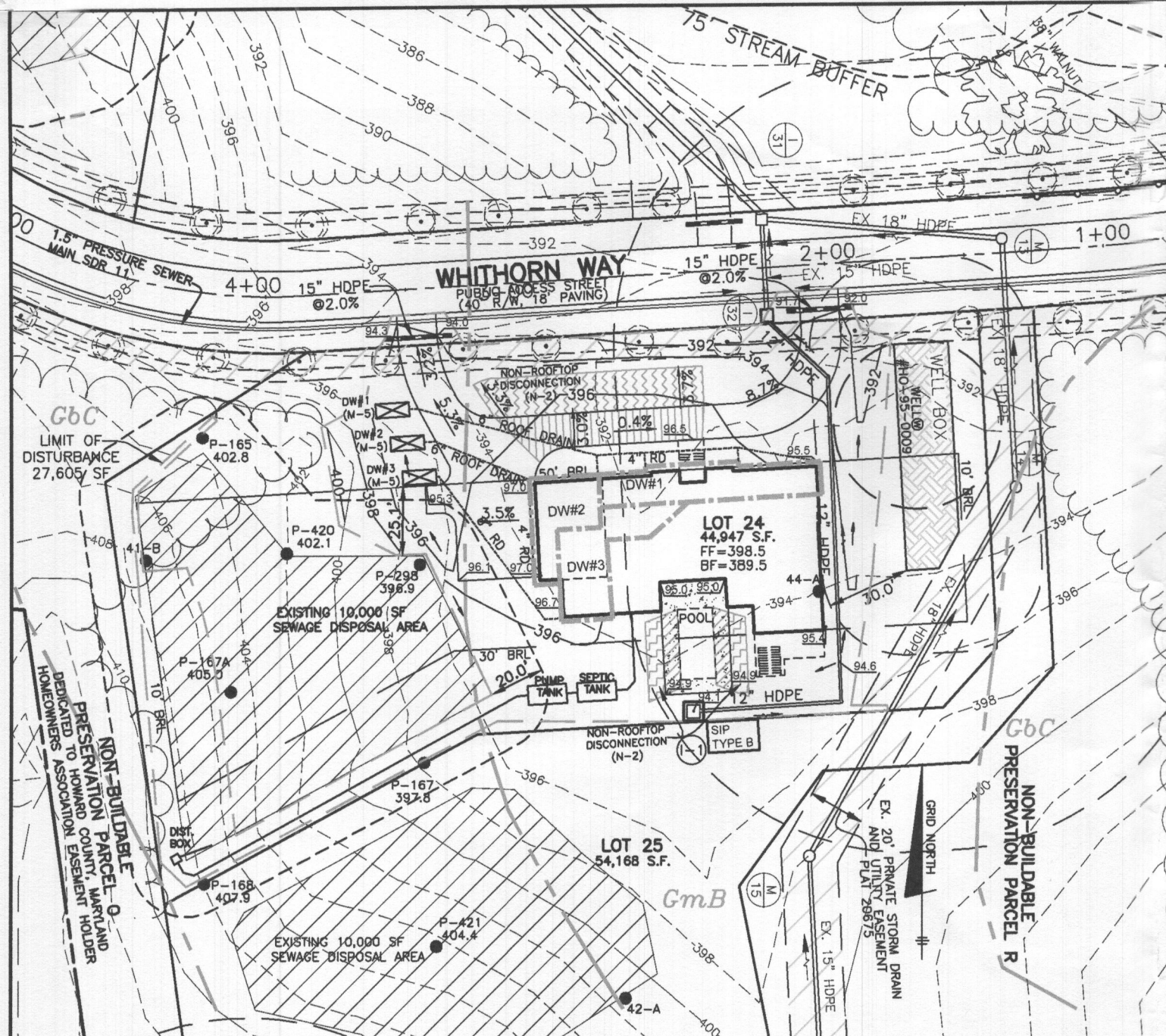


PERMIT NUMBER: B

22004102

DATE ACCEPTED:

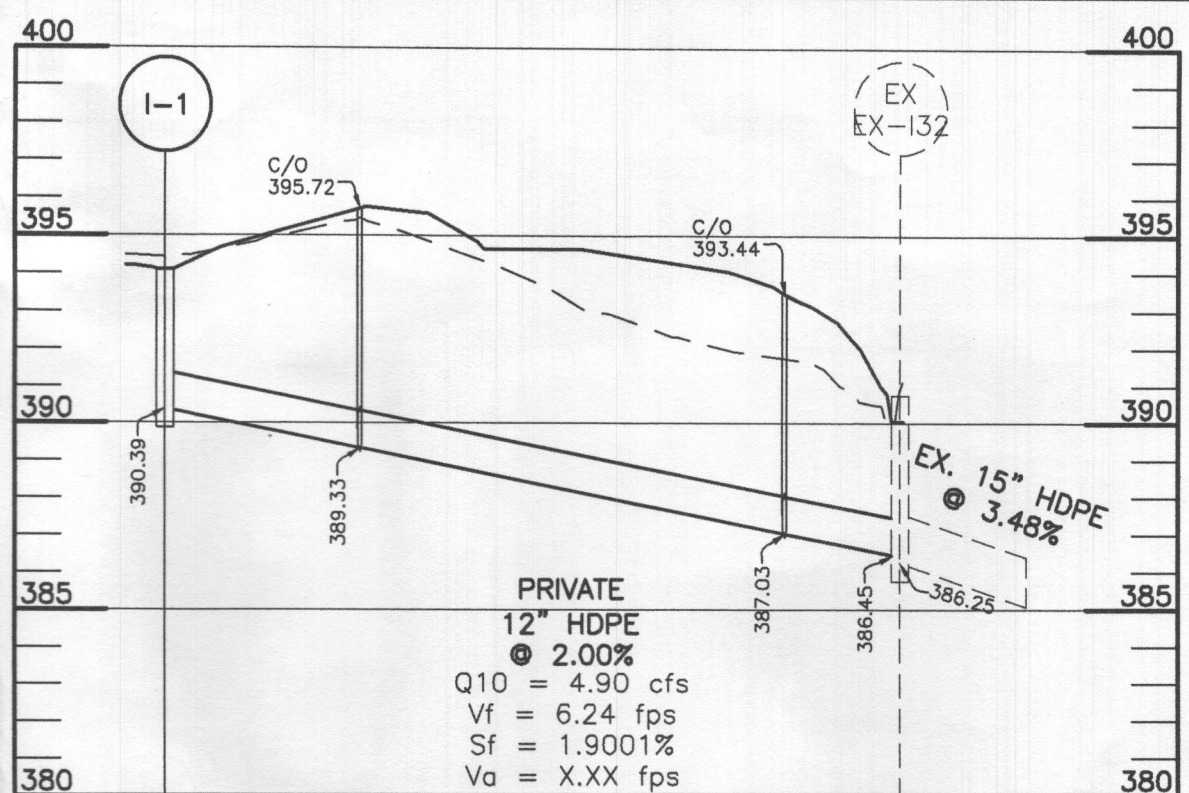
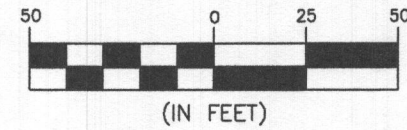
RESIDENTIAL BUILDING PERMIT APPLICATION					
HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES, AND PERMITS					
3430 COURT HOUSE DRIVE, ELLICOTT CITY, MD 21043 - PHONE: (410) 313-2455 OPTION #4					
www.howardcountymd.gov					
BUILDING SITE ADDRESS <i>REQUIRED</i>					
Street Address: 11209 Whithorn Way					Unit:
City: Ellicott City			State: MD	Zip Code: 21042	
Subdivision/Village/Complex Name: 2042				SDP/WP/BA #:	
Lot: 24	Tax Map: 0029	Parcel: 0020	Grading Permit #: 0004		
DESCRIPTION OF WORK <i>REQUIRED</i>					
Existing Use: VACANT LAND		Proposed Use: SINGLE FAMILY RESIDENCE		Estimated Cost: \$ 500,000.00	
Trade Work to Be Completed (<i>Separate Permits Required</i>): <input type="checkbox"/> Mechanical (HVACR) <input type="checkbox"/> Electrical <input type="checkbox"/> Plumbing <input type="checkbox"/> None					
TWO STORY SINGLE FAMILY RESIDENCE WITH ABOVE GROUND TOTAL AREA OF 6,822 SF, 5 BED ROOMS, FIVE AND A HALF BATHROOM.					
UNFINISHED BASEMENT					
PROPERTY OWNER INFORMATION <i>REQUIRED</i>					
Owner(s) Name(s) (<i>As it appears on tax records</i>): ARIF AND HUMAIRA AYUB				Primary Residence: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Owner's Street Address: 5800 CLIPPER LANE					
City: CLARKSVILLE			State: MD	Zip Code: 21025	
Phone: (443) 864-7957			Email: AYUBS@COMCAST.NET		
APPLICANT NAME <i>REQUIRED - INDIVIDUAL WHO SIGNS THIS APPLICATION</i>					
Business Name: ARCHITECTS WHO BUILD			Contact Name: AMIT BARMAN		
Street Address: 7128 OLD WASHINGTON ROAD					
City: WOODBINE			State: MD	Zip Code: 21797	
Phone: (864) 643-7251			Email: amitbarman.arch@gmail.com		
CONTRACTOR INFORMATION <i>REQUIRED</i>					
Business Name: TBD					
Licensee's Name:			License #:		
Street Address:					
City:		State:		Zip Code:	
Phone:		Email:			
ARCHITECT/ENGINEER INFORMATION <i>INDIVIDUAL WHO SIGNED PLANS, IF APPLICABLE</i>					
Business Name: ARCHITECTS WHO BUILD LLC			Name: AMIT BARMAN		
Street Address: 7128 OLD WASHINGTON ROAD					
City: WOODBINE			State: MD	Zip Code: 21797	
Phone: (864) 643-7251			Email: AMITBARMAN.ARCH@GMAIL.COM		
BUILDING CHARACTERISTICS <i>REQUIRED</i>					
Primary Structure: <input checked="" type="checkbox"/> SF Dwelling <input type="checkbox"/> SF Townhouse <input type="checkbox"/> SF Duplex <input type="checkbox"/> Mobile Home <input type="checkbox"/> Multi-Family Dwelling (MF*)		Condo: <input type="checkbox"/> Yes <input type="checkbox"/> No			
Utilities: <input checked="" type="checkbox"/> Electric <input checked="" type="checkbox"/> Gas		Water Supply: <input type="checkbox"/> Public <input type="checkbox"/> Private (Well)		Sewage Disposal: <input type="checkbox"/> Public <input checked="" type="checkbox"/> Private (Septic)	
Heating System: <input checked="" type="checkbox"/> Electric <input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane <input type="checkbox"/> Other:		Roadside Tree Project: <input type="checkbox"/> No <input type="checkbox"/> Yes: #			
Sprinkler System: <input type="checkbox"/> NFPA 13 <input type="checkbox"/> NFPA 13R <input type="checkbox"/> NFPA 13D <input type="checkbox"/> None		Fire Alarm System: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Voice Evac			
ADDITIONAL RESIDENTIAL INFORMATION (<i>PLEASE SELECT/COMPLETE ALL THAT APPLY</i>)					
Model Name & Options:					
# of Bedrooms (SF): 5	# of efficiency units (MF*):	# of 1 BR (MF*):	# of 2 BR (MF*):	# of 3 BR (MF*):	
# Rooms: 15	# Full Baths: 6	# Half Baths: 2	# Fireplaces: 1		
Garage/Carport Info: <input checked="" type="checkbox"/> Attached Garage <input type="checkbox"/> Detached Garage <input type="checkbox"/> Integral Garage <input type="checkbox"/> Carport <input type="checkbox"/> None					
Basement/Foundation Info: <input type="checkbox"/> Slab on Grade <input type="checkbox"/> Post & Pier <input type="checkbox"/> Unfinished Basement <input checked="" type="checkbox"/> Finished Basement: <input type="checkbox"/> Full or <input type="checkbox"/> Partial					
1 st Fl Width: 100	1 st Fl Depth: 58	2 nd Fl Width: 75	2 nd Fl Depth: 58	Bsmt Width: 75	Bsmt Depth: 58
Energy Method: <input checked="" type="checkbox"/> Prescriptive <input type="checkbox"/> Performance <input type="checkbox"/> UA Alternative <input type="checkbox"/> ERI		Gross Area: 6,822 sq ft		Occupiable Area: 5,984 sq ft	
AGREEMENT/ DISCALIMER <i>REQUIRED</i>					
THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.					
APPLICANT'S ORIGINAL SIGNATURE			DATE SIGNED: 10/31/22		
FOR OFFICE USE ONLY CHECKS PAYABLE TO: DIRECTOR OF FINANCE OF HOWARD COUNTY					
AGENCIES REQUIRED/APPROVALS:					
<input checked="" type="checkbox"/> PR	<input type="checkbox"/> DPZ	<input type="checkbox"/> DEC	<input checked="" type="checkbox"/> Health	<input type="checkbox"/> SHA	<input type="checkbox"/> CID
SUBMITTAL FEES: \$150.00		PAYMENT: CK# 1015		ACCEPTED BY: [Signature]	



PLAN VIEW
1" = 50'

GENERAL NOTES

1. THE LOT SHOWN HEREON WAS RECORDED ON PLAT NUMBER 25270. REFER TO THE PLATS FOR LOT DIMENSIONS, LOT AREAS, ALL EASEMENTS AND CONDITIONS.
2. THIS LOT WILL BE CONSTRUCTED UNDER THE 'STANDARD' SEDIMENT CONTROL PLAN, AS THE LIMIT OF DISTURBANCE IS LESS THAN 30,000 SF.
3. TOPOGRAPHY SHOWN HEREON WAS FIELD SURVEYED BY BENCHMARK ENGINEERING, INC. IN APRIL 2022.
4. ALL SEDIMENT AND EROSION CONTROL FEATURES USED ON THIS SITE SHALL COMPLY WITH THE 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
5. THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THIS PROJECT'S BOUNDARY EXCEPT AS NOTED.
6. ANY CHANGES TO A PRIVATE SEWAGE DISPOSAL AREA OR WELL BOX SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
7. STORMWATER MANAGEMENT FOR THIS LOT IS PROVIDED BY SWMF#5 FROM F-04-082 AND SUPPLEMENTED WITH THREE ON-SITE DRY WELLS (MDE M-5) AND NON-ROOFTOP DISCONNECTIONS (MDE N-2).
8. RAINWATER SHALL BE CONVEYED TO THE DRY WELLS WITH HDPE PIPES AND ROOF LEADERS, AS SHOWN.
9. DRIVEWAY CULVERTS SHALL BE 15" HDPE @ 2.0%, AND WERE DESIGNED TO CONVEY 4.29 CFS (70% OF THE DESIGN FLOW TO I-32).



PRIVATE
12" HDPE
@ 2.00%
Q10 = 4.90 cfs
Vf = 6.24 fps
Sf = 1.9001%
Va = X.XX fps

Lot 24 Storm Drain
SCALE: 1"=50' HORIZ., 1"=5' VERT.

STORM DRAIN NOTE:
INLET I-1 SHALL BE A 'D' INLET (HO. CO. D-4.10) WITH 4 WEIRS. DRAIN PIPE SHALL BE 12" SMOOTH WALL HDPE, AT 2% FALL. INVERT AT I-1: 390.4. INVERT AT EX I-32: 386.5. BENDS SHALL BE ACCOMPLISHED WITH FITTINGS AND CLEANOUTS.

LEGEND

- EXISTING CONTOURS
- FIELD SURVEYED WELL LOCATION
- PASSED PERCOLATION TEST PER TEST NOTES
- SEWAGE DISPOSAL AREA
- 1500 SF WELL BOX
- LIMIT OF DISTURBANCE
- FACILITY DRAINAGE AREA

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 28376, Expiration Date: 01-01-2023.



BEI-AAM

2022.09.01 14:08:57 -04'00

OWNER/BUILDER: ARIF & HUMAIRA AYUB 6108 EVERY SAIL PATH CLARKSVILLE, MD 21029 443-864-7956		BENCHMARK ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS ENGINEERING, INC. 3300 NORTH RIDGE ROAD ▲ SUITE 140 ELLCOTT CITY, MARYLAND 21043 (P) 410-465-6105 ▲ (F) 410-465-6644 WWW.BEI-CIVILENGINEERING.COM	
PROJECT:		RIVERWOOD, PHASE 1 LOT 24	
LOCATION:		TAX MAP: 29, GRID: 4, PARCEL: 20, ZONED: RC-DEO 11209 WHITHORN WAY ELLCOTT CITY MD 21042 THIRD ELECTION DISTRICT, HOWARD COUNTY, MD, TAX ID #03-345297	
TITLE:		BUILDING PERMIT PLAN	
DATE:	SEPTEMBER, 2022	PROJECT NO.	3099
SCALE:	AS SHOWN	DRAWING	1 OF 2

STORMWATER MANAGEMENT SUMMARY TABLE

Pe: 1.4 inches

DRIVEWAY TREATMENT

Non-rooftop Disconnection (N-2): Area Treated 1170 Pe 1.000 Converted to ESDv 98

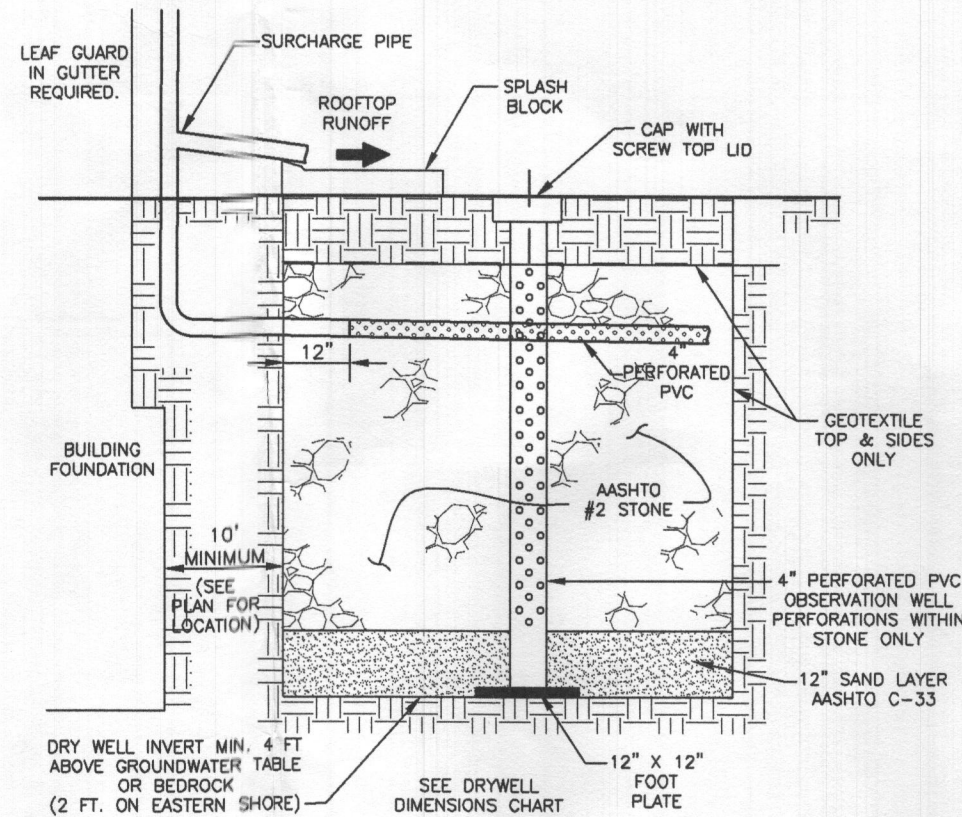
DRYWELL FACILITIES (M-5)

FACILITY	Drainage Area	Impervious	I (%)	Rv	Required		Provided		Pe		
					ESDv (cf)	Depth	Volume Stored	Length			
DW#1	977	977	100%	0.950	106.0	5.0	0.40	5	12	120	1.55
DW#2	659	659	100%	0.950	71.5	5.0	0.40	5	12	120	2.30
DW#3	852	852	100%	0.950	92.4	5.0	0.40	5	12	120	1.78
TOTAL:										360 cf	

Drywell Designation	Length (ft)	Width (ft)	Depth (ft)	Grade	Top of Stone	Bottom of Stone
DW#1	12.00	5.00	5.00	395.5	394.5	389.5
DW#2	12.00	5.00	5.00	394.8	393.8	388.8
DW#3	12.00	5.00	5.00	395.1	394.1	389.1

OPERATION AND MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED (M-5) DRY WELLS

- The monitoring wells and structures shall be inspected on a quarterly basis and after every large storm event.
- Water levels and sediment build up in the monitoring wells shall be recorded over a period of several days to insure trench drainage.
- A log book shall be maintained to determine the rate at which the facility drains
- When the facility becomes clogged so that it does not drain down within the 72 hour time period, corrective action shall be taken.
- The maintenance log book shall be available to Howard County for inspection to insure compliance with operation and maintenance criteria.
- Once the performance characteristics of the infiltration facility have been verified, the monitoring schedule can be reduced to an annual basis unless the performance data indicates that a more frequent schedule is required.



DRYWELL DETAIL
NOT TO SCALE

MATERIALS & SPECIFICATIONS FOR MICRO-BIORETENTION

MATERIAL	SPECIFICATION	SIZE	NOTES:
PLANTINGS	SEE APPENDIX A; TABLE A.4	N/A	PLANTINGS ARE SITE SPECIFIC
PLANTING SOIL (2.0' TO 4.0' DEEP)	LOAMY SAND 60-65% COMPOST 35-40% OR SANDY LOAM 30% COARSE SAND 30% & COMPOST 40%	N/A	USDA SOIL TYPES: LOAMY SAND OR SANDY LOAM; CLAY CONTENT <5%
ORGANIC CONTENT	MIN 10% BY DRY WEIGHT ASTM D 2974		
MULCH	SHREDDED HARDWOOD	N/A	AGED 6 MONTHS, MINIMUM, NO PINE OR WOOD CHIPS
GEOTEXTILE (CLASS "C")		N/A	PE TYPE 1 NONWOVEN
GEOTEXTILE (1/4" WIRE MESH)		1/4" WIRE MESH	1/4" WIRE MESH
UNDERDRAIN GRAVEL	AASHTO M-43	NO. 57 OR NO. 6 0.375" TO 0.750"	
UNDERDRAIN PIPING	F758, TYPE PS28 OR AASHTO M-278	4" TO 6" RIGID SCH.40 PVC, SDR35 OR HDPE	3/8" PERF. @ 6" O/C, 4 HOLES PER ROW; MINIMUM OF 3" OF GRAVEL OVER PIPES, NOT NECESSARY UNDERNEATH PIPES. PIPE SHALL BE WRAPPED WITH 1/4-INCH GALVANIZED HARDWARE CLOTH
IMPERVIOUS LINER	ASTM-D-4833 (THICKNESS) ASTM-D-412 (TENSILE STRENGTH 1,100 LB., ELONGATION 200%) ASTM-D-624 (TEAR RESISTANCE - 150 LB./IN) ASTM-D-471 (WATER ADSORPTION: +8 TO -2% MASS)	30 MIL. THICK	LINER TO BE ULTRAVIOLET RESISTANT. A GEOTEXTILE FABRIC SHOULD BE USED TO PROTECT THE LINER FROM PUNCTURE.
GEOTEXTILE (BELOW IMPERV. LINER)	ASTM-D-4833 (PUNCTURE STRENGTH 125LB) ASTM-D-4632 (TENSILE STRENGTH 300 LB.)		

(N-2) Disconnection of Non-Rooftop Runoff

Target PE:	1.0
Total DA:	3196 SF
Impervious:	1180 SF
Area of Filter Strip:	1430 SF
Rv:	0.38

ok

Pe Reduction for Non-Rooftop Disconnection

Length of contributing area:	22 feet
Length of impervious area:	12 feet
Length of filter strip:	14 feet

MAX. all imp. treated	1 /1 Impervious ratio
MAX. all imp. treated	0.83 /1 Pervious ratio
Reduction to Target Pe	1.0 inches
Remaining obligation:	0.0 inches

ESDv Required:	98
ESDv Provided:	98

OPERATION AND MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED DISCONNECTION OF ROOFTOP RUNOFF (N-1), DISCONNECTION OF NON-ROOFTOP RUNOFF (N-2)

- A. MAINTENANCE OF AREAS RECEIVING DISCONNECTED RUNOFF IS GENERALLY NO DIFFERENT THAN THAT REQUIRED FOR OTHER LAWN OR LANDSCAPED AREAS. THE OWNER SHALL ENSURE THE AREAS RECEIVING RUNOFF ARE PROTECTED FROM FUTURE COMPACTION OR DEVELOPMENT OF IMPERVIOUS AREA. IN COMMERCIAL AREAS, FOOT TRAFFIC SHOULD BE DISCOURAGED AS WELL.

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 28376, Expiration Date: 01-01-2023.



BEI-AAM

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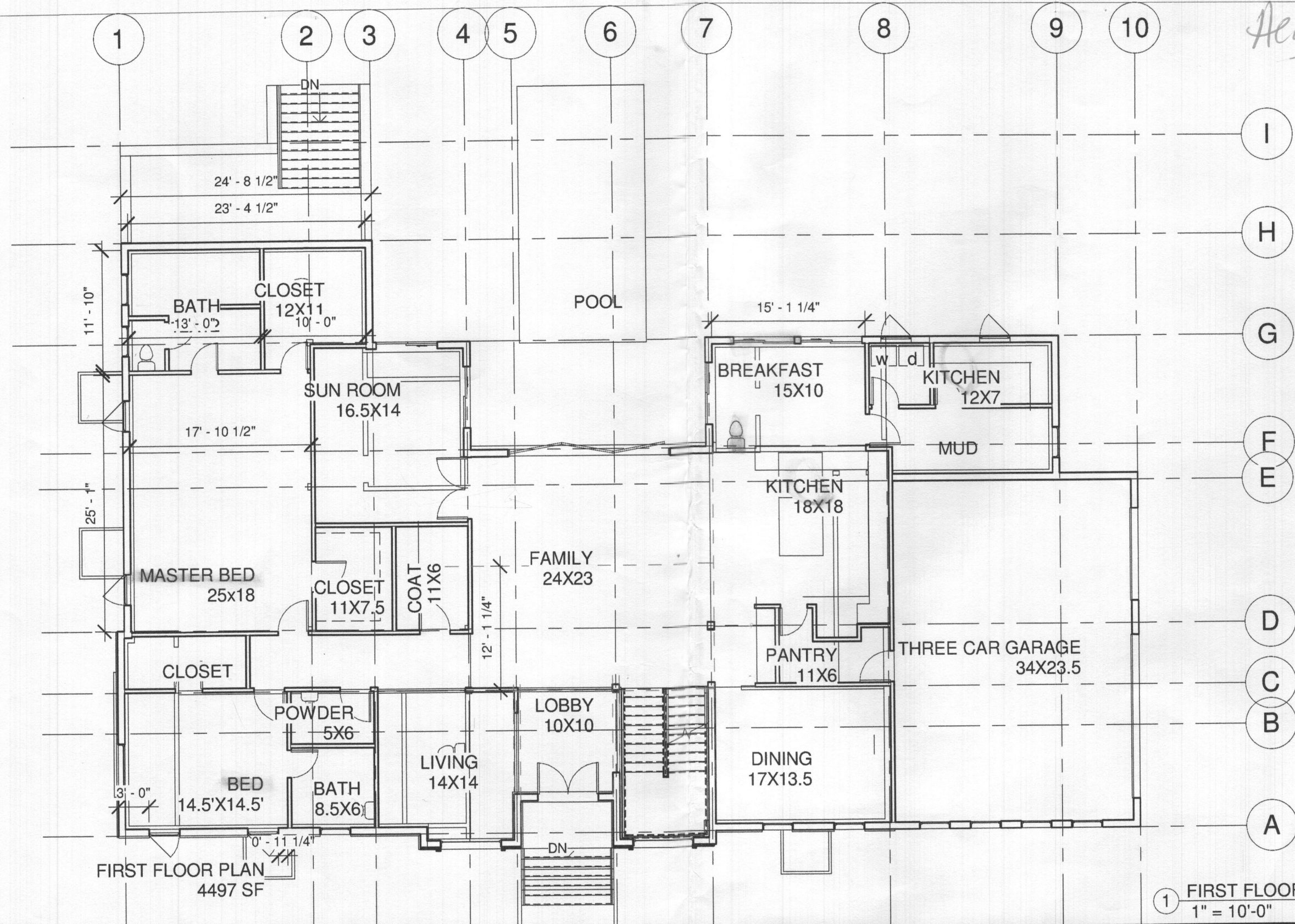
OWNER/BUILDER:

ARIF & HUMAIRA AYUB
6108 EVERY SAIL PATH
CLARKSVILLE, MD 21029
443-864-7956

BENCHMARK
ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS
ENGINEERING, INC.
3300 NORTH RIDGE ROAD ▲ SUITE 140
ELLCOTT CITY, MARYLAND 21043
(P) 410-465-6105 ▲ (F) 410-465-6644
WWW.BEI-CIVILENGINEERING.COM

PROJECT:	RIVERWOOD, PHASE 1		
	LOT 24		
LOCATION:	TAX MAP: 29, GRID: 4, PARCEL: 20, ZONED: RC-DEO 11209 WHITHORN WAY ELLCOTT CITY MD 21042 THIRD ELECTION DISTRICT, HOWARD COUNTY, MD, TAX ID #03-345297		
TITLE:	BUILDING PERMIT PLAN		
DATE:	SEPTEMBER, 2022	PROJECT NO.	3099
SCALE:	AS SHOWN	DRAWING	<u>2</u> OF <u>2</u>

Health Dept

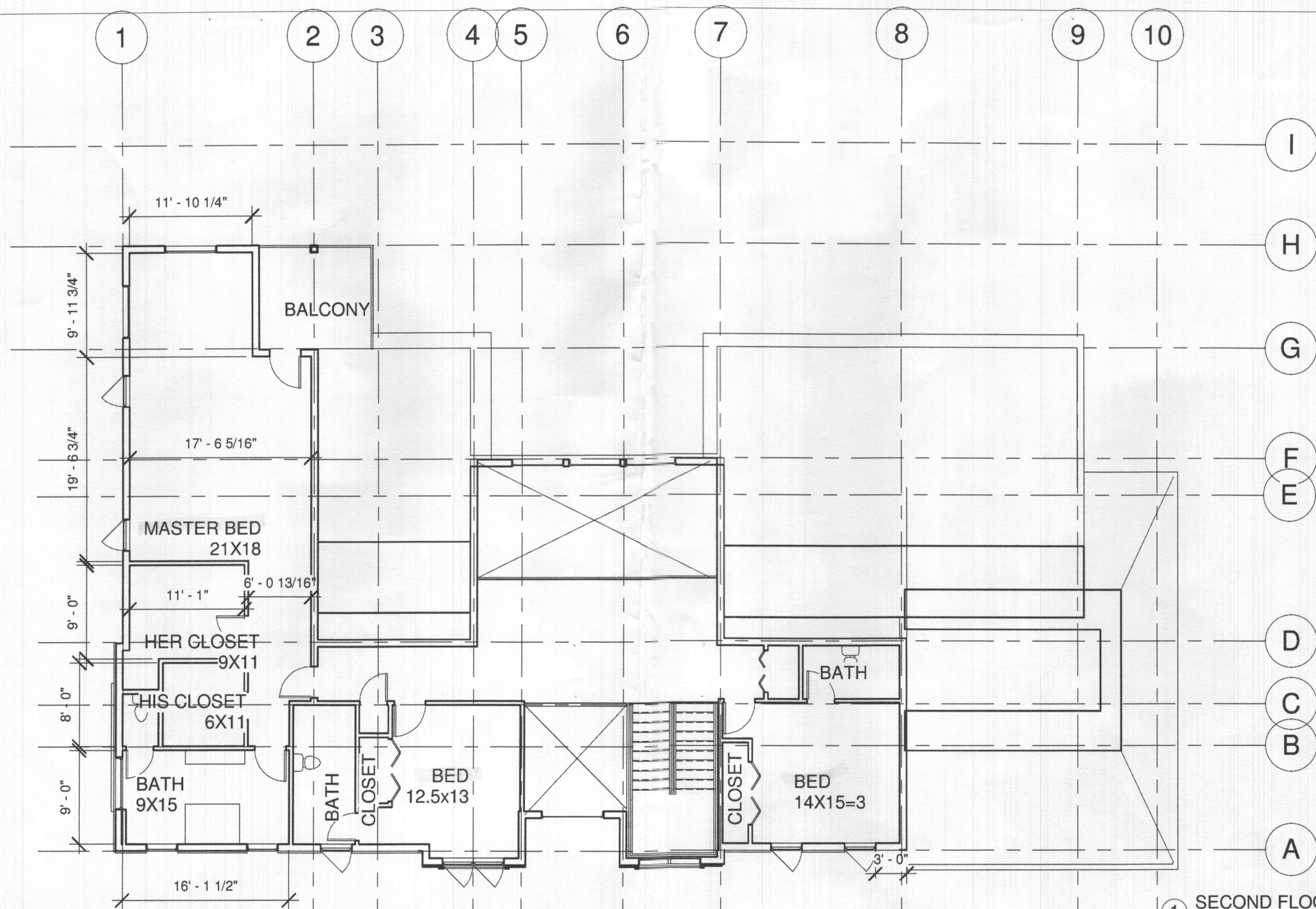


AYUB RESIDENCE
 11209 WHITHORN WAY, ELLICOTT CITY, MD

SHEET STATUS			
MARK	DATE	MGR	RELEASE

FIRST FLOOR PLAN		XAI.1
PROJECT #:	Project Number	
DATE:	Issue Date	
DRAWN BY:	Author	
CHECKED BY:	Checker	Scale 1" = 10'-0"

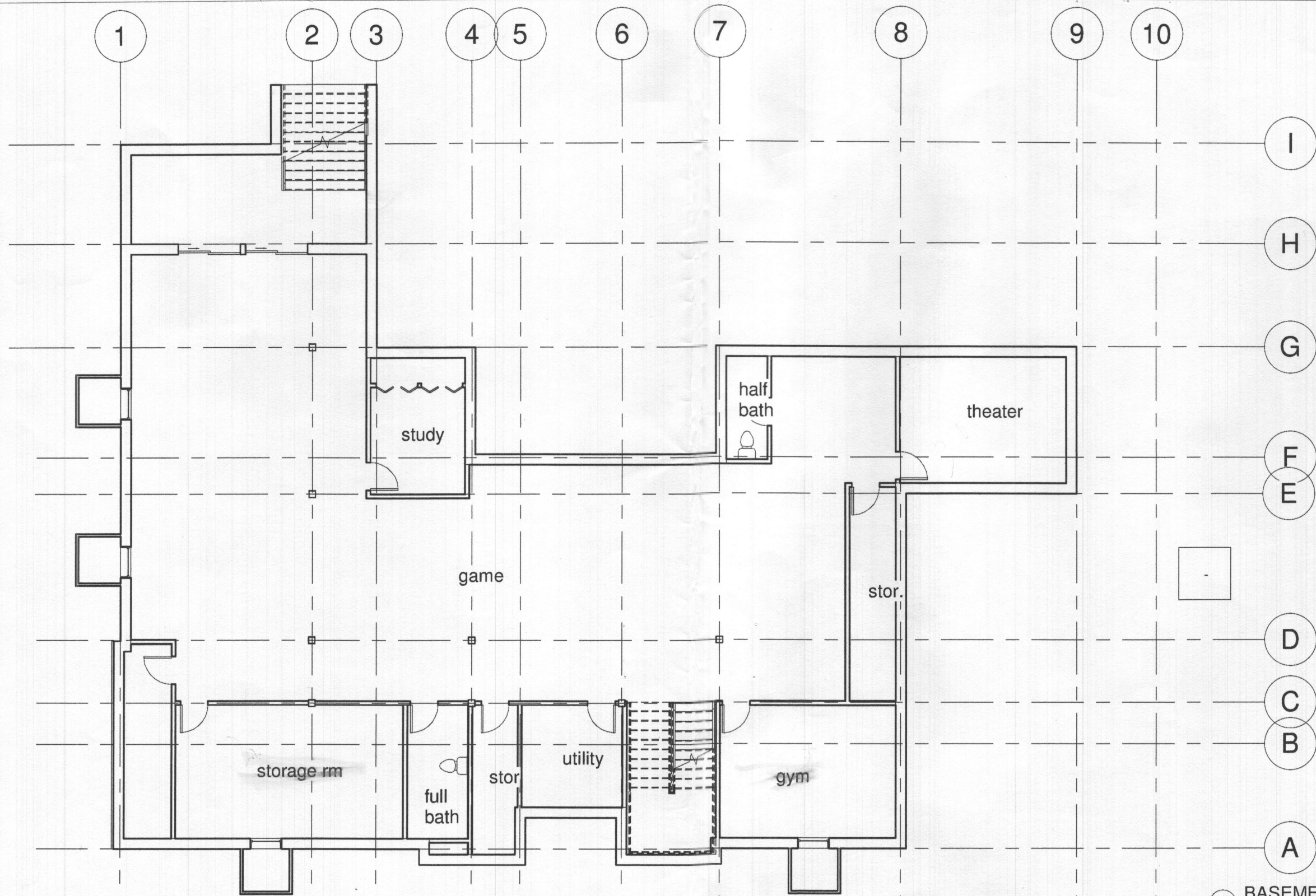
10/31/2022 12:41:38 AM



1 SECOND FLOOR PLAN
1" = 10'-0"

SHEET STATUS			
MARK	DATE	MGR	RELEASE

SECOND FLOOR PLAN	
PROJECT #:	Project Number
DATE:	Issue Date
DRAWN BY:	Author
CHECKED BY:	Checker
XAI.2	
Scale 1" = 10'-0"	



1 BASEMENT LVL Copy 1
1" = 10'-0"

SHEET STATUS			
MARK	DATE	MGR	RELEASE

BASEMENT PLAN		A1.5
PROJECT #:	Project Number	
DATE:	Issue Date	
DRAWN BY:	Author	
CHECKED BY:	Checker	Scale 1" = 10'-0"

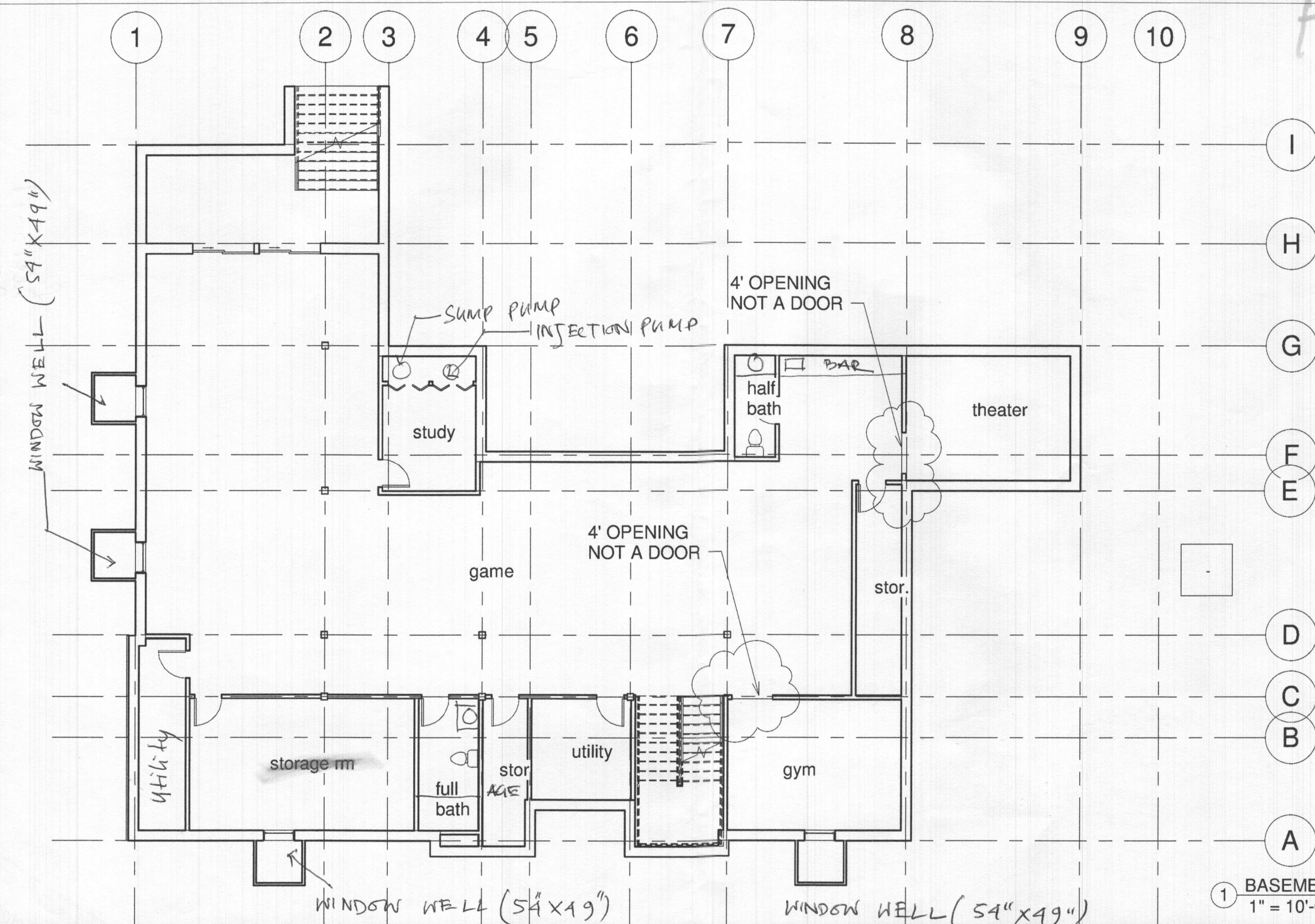
Healthy

updated plan
rec'd on 11.14.22.
showing 4' cased
opening up door
into gym.
-NO.

WINDOW WELL (54" X 49")

WINDOW WELL (54" X 49")

WINDOW WELL (54" X 49")



1 BASEMENT LVL Copy 1
1" = 10'-0"

ARCHITECTS WHO BUILD
www.architectswhobuild.com

AYUB RESIDENCE
11209 WHITHORN WAY, ELLICOTT CITY, MD

SHEET STATUS			
MARK	DATE	MGR	RELEASE
1	Date 1		Revision 1

BASEMENT PLAN		
PROJECT #:	Project Number	A1.5
DATE:	Issue Date	
DRAWN BY:	Author	
CHECKED BY:	Checker	
Scale		1" = 10'-0"

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