

3/12/90 LATS

410711

PERMIT

P 45707

A 39916

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

DISTRICT 5th

HOWARD COUNTY

BUREAU OF ENVIRONMENTAL HEALTH

461-9933

DATE 3/19/90

DATE SYSTEM APPROVED 3/12/90

INSPECTOR C. Williams

INDEXED

Jack Fyock

IS PERMITTED TO INSTALL X ALTER

ADDRESS 13775 Triadelphia Road, Glenelg, Md. 21737 PHONE 988-0270

SUBDIVISION Twelve Hills ROAD 13088 Twelve Hills Road LOT 33

PROPERTY OWNER Broad Chesser Ronald Henry

ADDRESS

~~IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 50%~~

GARBAGE GRINDER XXXXXX XXXXXXXXXXXX NO XXXXXXXXXX

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 180 sq.ft. per bedroom. Trench to be 2 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 7 feet below original grade. Effective area begins at 3 feet below original grade. 4 feet of stone below below distribution pipe.

LOCATION - Start the first trench 155 feet from the rear lot line and 165 feet from the left lot line as seen when facing the lot from R.O.W. entrance. Run trenches on contour toward rear of lot.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic. DN 2-21-90

PLANS APPROVED BY Sid Abel cm DATE 6/1/89

COVER NO WORK UNTIL INSPECTED AND APPROVED

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

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX, TRENCHES) TO BE 100 FEET FROM WELL (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED)

NOTE: IF DEEP TRENCHES ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCHES

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 40 PVC OR ABS

PERMIT VOID AFTER TWO YEARS

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

BOG. PERMIT SIGNED

AND RETURNED 6/28/90

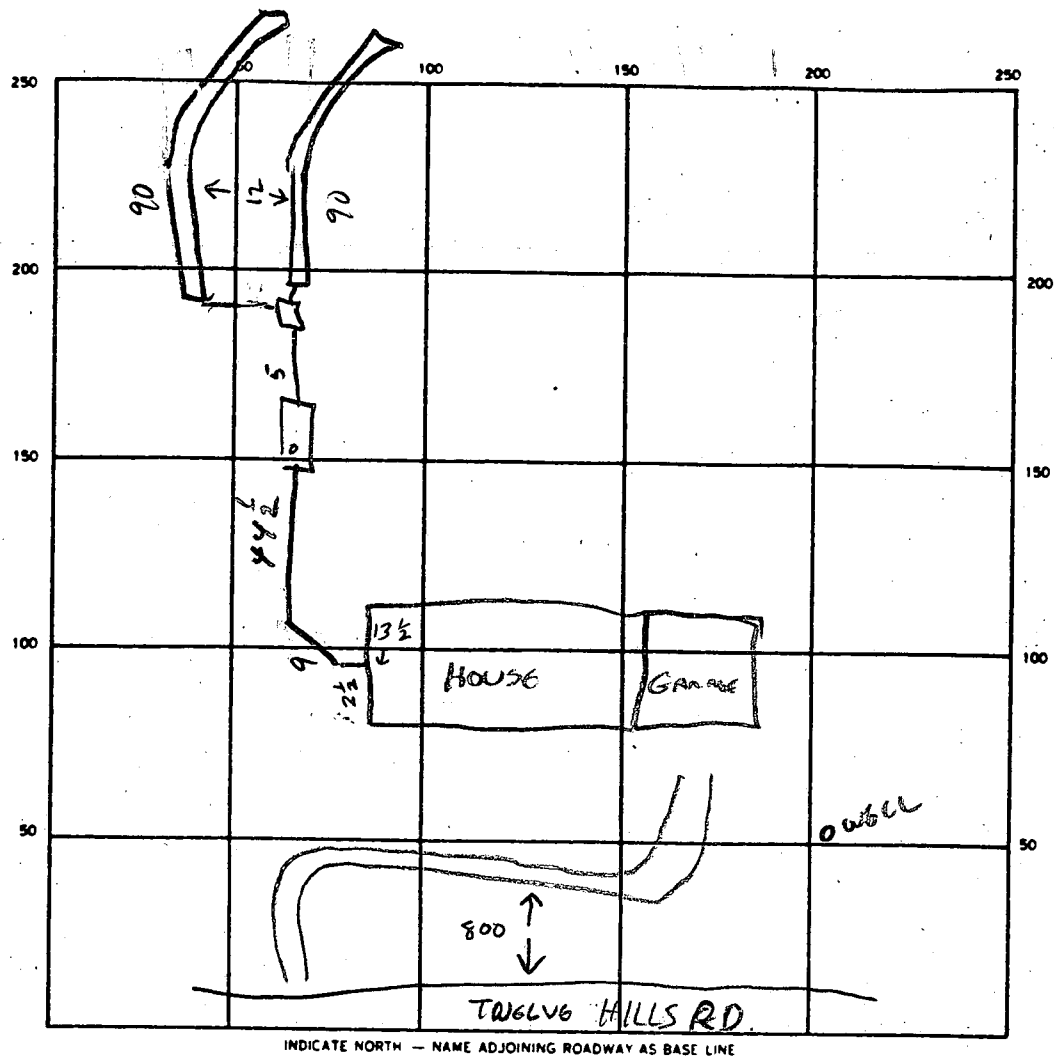
Seal # 33694-111094

propane tank

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

A 39916



SEPTIC TANK. LEVEL ✓

CLEANOUTS ST. ✓

DISTRIBUTION BOX. LEVEL ✓

DRAIN FIELD/TILE FIELD. DEPTH 7 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 4 FT. TOTAL LENGTH 180 FT.

NUMBER OF TRENCHES 2 (90 ea) ONE SIDEWALL/BOTTOM AREA 720 SQ. FT.

DRYWELL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA 720 SQ. FT.

REMARKS 3/13/90 OK TO FINISH GRAVEL IN TRENCHES AND COVER, C.W.

DATE SYSTEM APPROVED 3/12/90

INSPECTOR C. Williams

A 39916

Page _____ of _____
Date _____4-26-89
3 hrs pump test 11:30
9:30 grout

Review _____

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST55' casing
40' open hole
12 bags cement
4-26-89 JENWell Permit No. HO - 88-0547Location of property (road) Twelve Hills RdSubdivision Twelve HillsLot 33

Block _____

Plat _____

Sec. 3Well Driller Frank DelphOwner Altogether Limited PartnershipDepth of well 205 ftDistance of measuring point (M.P.) above ground 2 ftStatic water level (S.W.L.) below M.P. 35 ft

I. High rate pumping -- reservoir drawdown

Time pump started 11:30 amPumping rate 10 gpmTotal time 15 min to reach pumping water level 85 ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill 5 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
2:00 pm	86 ft	9 sec		6.7 gpm
2:10 pm	86 ft	9 sec		6.7 gpm
2:15 pm	86 ft	9 sec		6.7 gpm
<div style="border: 1px solid black; border-radius: 50%; padding: 20px; display: inline-block; transform: rotate(-15deg);"> 2.4 PPM NITRATE. </div>				
			4-26-89 Water sample taken at 1:58 pm. Pump set at 195 ft. Location ok. Water appears clear. JENadeau H-1840	

C1 6710	SEQUENCE NO. (DENV USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)		COUNTY NUMBER A# 39916	PERMIT NO. FROM "PERMIT TO DRILL WELL" H0-88-0547
DATE Received <div><div></div><div></div><div></div><div></div><div></div><div></div></div>	DATE WELL COMPLETED 042689	Depth of Well 205 (TO NEAREST FOOT)	

OWNER ALTOGETHER LTD. PART.	last name TWELVE HILLS	first name	TOWN DRYTON
STREET OR RFD	SUBDIVISION TWELVE HILLS	SECTION 3	LOT 338

WELL LOG Not required for driven wells		
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING		
DESCRIPTION (Use additional sheets if needed)	FEET FROM TO	Check if water bearing
Top Soil	0 2	
Shale	2 50	✓
Mika	50 60	
Sandstone	60 65	✓
Mika	65 90	
Sandstone	90 95	✓
Mika	95 205	

GROUTING RECORD	
WELL HAS BEEN GROUTED (Circle Appropriate Box)	
yes Y	no N
TYPE OF GROUTING MATERIAL	
CEMENT CM	BENTONITE CLAY BC
NO. OF BAGS 12	NO. OF POUNDS 1120
GALLONS OF WATER 72	
DEPTH OF GROUT SEAL (to nearest foot)	
from 0 ft.	to 40 ft.
(enter 0 if from surface)	

CASING RECORD		
casing types insert appropriate code below	ST CO	
	PL OT	
	STEEL CONCRETE PLASTIC OTHER	
MAIN CASING TYPE	Nominal diameter top (main) casing (nearest inch)	Total depth of main casing (nearest foot)
PL	16	55
60 61	63 64	66 70

OTHER CASING (if used)	
diameter inch	depth (feet) from to
<div><div></div><div></div></div>	<div><div></div><div></div></div>

SCREEN RECORD				
screen type or open hole	insert appropriate code below			
ST BR HO	PL OT			
STEEL	BRASS	OPEN HOLE	PLASTIC	OTHER

C2	53	205
DEPTH (nearest ft.)		
EACH SCREEN	H0	150
1	8 9	11 15
2	23 24	26 30
3	38 39	41 45
SLOT SIZE 1 2 3		
DIAMETER OF SCREEN (NEAREST INCH)		
56 60		

A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED
E ELECTRIC LOG OBTAINED
P TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN
ACCORDANCE WITH COMAR 10.17.13 "WELL CONSTRUCTION"
AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE
ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION
PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST
OF MY KNOWLEDGE.

DRILLERS IDENT. NO. 453
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) Frank R. [Signature]
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

GRAVEL PACK	from to
IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68	<div><div></div><div></div></div>

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)		
T	(E.R.O.S.)	WQ
70 <div><div></div><div></div></div>	72 <div><div></div><div></div></div>	74 75 76 <div><div></div><div></div><div></div></div>
TELESCOPE CASING	LOG INDICATOR	OTHER DATA

C3
PUMPING TEST
HOURS PUMPED (nearest hour) 3
PUMPING RATE (gal. per min. to nearest gal.) 6
METHOD USED TO MEASURE PUMPING RATE Bucket
WATER LEVEL (distance from land surface)
BEFORE PUMPING 35
WHEN PUMPING 35
TYPE OF PUMP USED (for test)
A air P piston T turbine
C centrifugal R rotary O other (describe below)
J jet S submersible

PUMP INSTALLED	
DRILLER WILL INSTALL PUMP (CIRCLE) (YES or NO)	YES NO
IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE	
TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX-SEE ABOVE:	
CAPACITY: GALLONS PER MINUTE (to nearest gallon)	<div><div></div><div></div><div></div><div></div></div>
PUMP HORSE POWER	<div><div></div><div></div><div></div><div></div></div>
PUMP COLUMN LENGTH (nearest ft.)	<div><div></div><div></div><div></div><div></div></div>
CASING HEIGHT (circle appropriate box and enter casing height)	<div><div></div><div></div></div>
+ above } LAND SURFACE (nearest foot)	<div><div></div><div></div></div>
- below }	<div><div></div><div></div></div>

LOCATION OF WELL ON LOT	
SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)	
Twelve Hills	

COUNTY

3/14/90 ASM

HOWARD COUNTY HEALTH DEPARTMENT
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Ellicott City, MD 21043
461-9933

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation X
Replacement

Receipt # 45504
Date 1/22/90

Name of Installer Arthur M. Black Inc

Telephone 776-7520

License Number 1557

Certified Well Pump Installer Well Driller Registered Plumber X

Name of Property Owner Ronald Henry

Telephone 937-3385

Subdivision Twelve Hills Lot # 33

Well Tag # HO-88-0547

Site Address 13088 Twelve Hills

Pump

1. Type
a. Deep well jet
b. Shallow well jet
c. Submersible X

Motor

1. Horsepower 3/4
2. RPM
3. Voltage 240
a. 110
b. 220

Pitless Adapter

1. Make Howard Co
2. Model #
3. Depth 10 3/4"

2. Make Gould

3. Model #

4. Capacity 5 GPM

5. Pump exceeds well capacity Yes No X

6. If Yes, is low pressure cutoff switch installed? Yes No

7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors Cable guards Other

Tank

1. Capacity 42
2. Pressure relief valve?

Piping

1. Type Plastic
2. Size 1"
3. NSF and/or BOCA Code approved
4. Depth of supply line 42"

Well data

1. Depth 220 ft.
2. Yield 6.7 GPM
3. Static water level ft.
4. Will water supply be disinfected by installer? NO

I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.

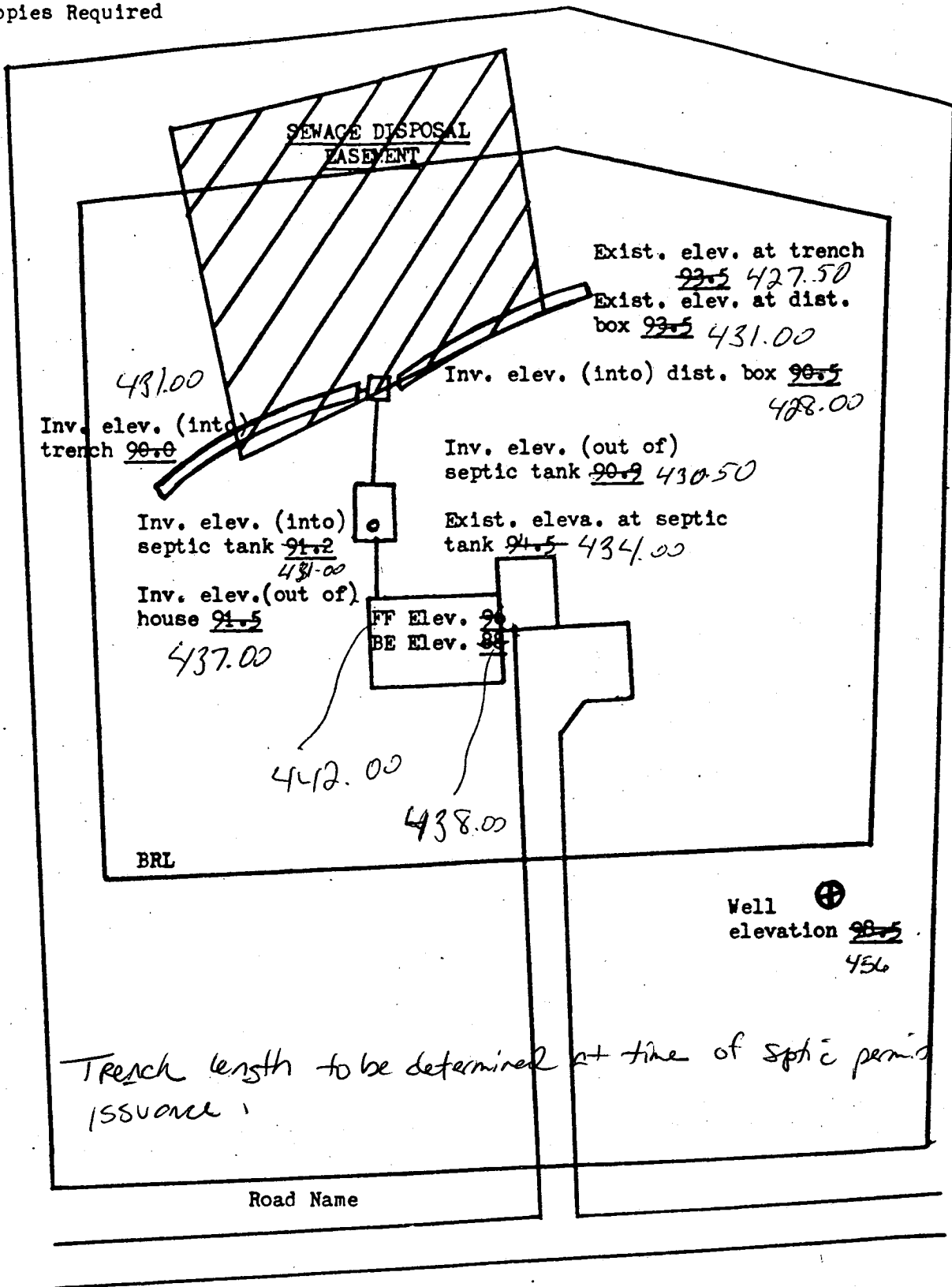
Signature of Applicant: Arthur M. Black

Date: 1/22/90

Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.

SAMPLE ELEVATION DRAWING FOR BUILDING PERMIT APPROVAL

2 Copies Required

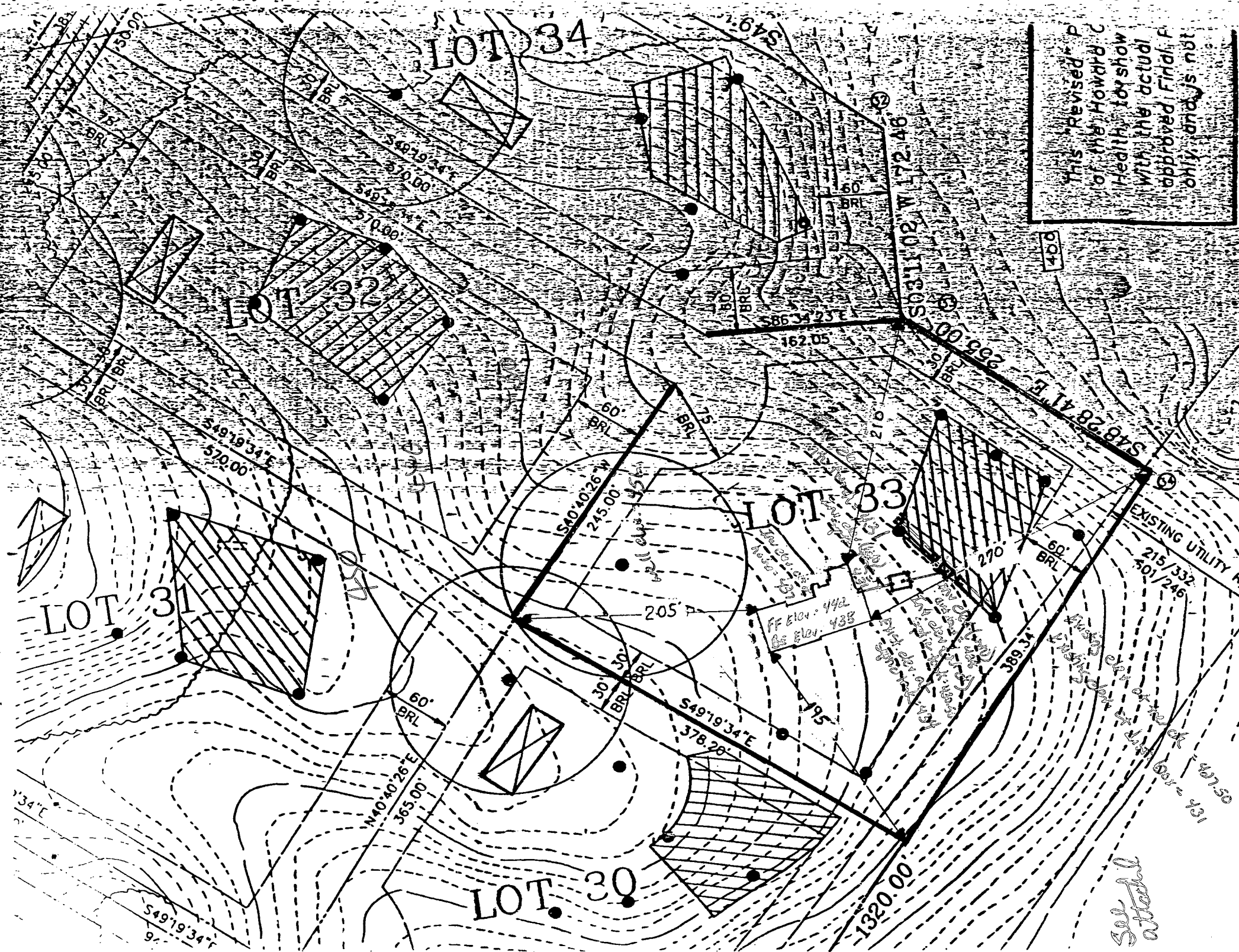


I certify that the above measurements are actual and correct for this property.

Permit # 26384

Signed: Tom Pontier - Resident

Falcon Builders, Inc.
9690 Deeeco Rd. Suite 820
Timonium, MD. 21093



This "Revised" P of the Howard C Health Toy Show with the actual approved Fields. Only, and is not

Settled