

03-305635

Approved 7/30/84

Stayer

P 34/43

A 29299

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

BUREAU OF ENVIRONMENTAL HEALTH

992-2330

ELLICOTT CITY

DISTRICT 3rd.

DATE 7/26/84

INDEX

Gartland Inc.

IS PERMITTED TO INSTALL ☒ ALTER

ADDRESS 1835 W. Old Liberty Road, Westminster, MD PHONE 875-2400

SUBDIVISION Friendship Manor ROAD 2669 Wellworth Way LOT 14, Section 2

PROPERTY OWNER Azim U. R. Khan
795 Scarborough Court

ADDRESS Arnold, Maryland 21012

IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 22%.

GARBAGE GRINDER? YES NO ☒

SEPTIC TANK CAPACITY 1500 GALLONS NUMBER OF BEDROOMS 5

TRENCHES - 158 sq. ft per bedroom. Trench to be 2 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 9 feet below original grade. Effective area begins at 3 feet below original grade with 6 feet of stone below distribution pipe. LOCATION: Start the first trench 135 ft. from the front lot line and 35 feet from the right side line as seen when facing the lot from Wellworth Way. Continue to dig the trench on level ground the necessary distance running towards the left rear corner of the lot. Place the second trench parallel to and 12 feet away from the first trench. NOTE: No trench to exceed 100 feet in length. If more than one trench used, a distribution box is required. Trenches to be installed on level ground. Call for inspection of trench before and after gravel is installed. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. If a Garbage disposal is used, increase septic tank capacity by 50% and increase absorbant sidewall area by 22%.

PLANS APPROVED BY Frank Skinner DATE 12/5/83

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: IF TRENCH IS USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH.

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 THREE 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.

BLDG. PERMIT SIGNED
AND RETURNED 12/24/84
Serial # 62230
Aluk

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

*CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082

A 29299

SUBDIVISION:

Friendship Manor sec. 2

LOT NUMBER:

14

A 29299

DRY WELL OR DRY WELL AND TRENCH

_____ sq. ft./bedroom

Septic TankMinimum Total square Feet

3 bedroom 1000 gallon

4 bedroom 1250 gallon

5 bedroom 1500 gallon

→ 6 Bedroom 2,000 gallon

Inlet _____ feet below original grade.

Bottom maximum depth _____ feet below original grade.

Effective area begins at _____ feet below original grade.

NOTE: If trench is used to make up absorbent area, run the trench on level ground and leave a 5 foot earth buffer between dry well and trench.
No trench is to exceed 100 feet in length. Trench inlet to be same as dry well, with _____ feet of stone below distribution pipe.

TRENCHES

158 sq. ft./bedroom

Trench to be 2' wide.

Inlet ~~max~~ 3 feet below original grade.

Bottom maximum depth 9 feet below original grade.

Effective area begins at 3 feet below original grade.

6 feet of stone below distribution pipe.

- NOTE:
- (1) No trench to exceed 100 feet in length.
 - (2) If more than one trench used, a distribution box is required.
 - (3) Trenches to be installed on level ground.
 - (4) Call for inspection of trench before gravel is installed.
 - (5) Provide 6"-8" diameter cleanout and cap to grade or above on septic tank and drywell.
 - (6) If a Garbage disposal is used, increase septic tank capacity by 50% and increase absorbant sidewall area by 22%.

LOCATION: Start the first trench 135 ft. from the front lot line and 35 ft from the right side line as seen when facing the lot from Wellworth Way. Continue to dig the trench on level ground the necessary distance running towards the left rear corner of the lot. Place the second trench parallel to and 12 ft. away from the first trench.

12/5/83 Spec for trench only J. Shuman

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P.O. BOX 476 ELLICOTT, MARYLAND 21043
TELEPHONE: 992-2330

A 29299

P

DISTRICT 3rd

DATE 12/4/78

specs - next page

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Scheel Construction Inc. Azim U.R. Khan
ADDRESS 3620 Scheel Drive, Ellicott City, Md. 21043 PHONE 642-6887
Arnold, Md 21012

PROPERTY LOCATION:

SUBDIVISION Friendship Manor LOT NO. 14
ROAD AND DESCRIPTION Route 144 and Route 32 - 2669 Wellworth Way

SIZE OF LOT ? TYPE BLDG. 3 or 4 bedrooms

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE.

I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER

ANY CIRCUMSTANCES.

SIGNATURE OF APPLICANT /s/ Louise Scheel

APPROVED BY J. Stayer FOR septic. DATE 12/18/78

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

BLDG. PERMIT SIGNED
AND RETURNED 12/18/78
Serial # 56689 SFD.

THIS IS NOT A PERMIT

0

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12/8/78	1 S	5	10:40	10:42	10:42	10:45	2
	1 D	14	10:40	10:44	10:44	10:46	
	2 S	3	11:04	11:05	11:05	11:07	2
	2 D	13	11:04	11:06	11:06	11:08	
	3 S		VISUAL				
	3 D						
	4 S	3	10:53	10:55	10:55	10:59	2
	4 D	12	10:53	10:56	10:56	11:01	
	5	12	VISUAL				
	6	13 - water					

TESTED BY JS ALSO PRESENT MR & MRS. KHAM
DENNY MINK

LOT 14

Septic Tank { 3 bedrooms - 1000 gal
4 bedrooms - 1250 gal

Dry well to have 120 sq. ft. effective absorbant sidewall area per bedroom below inlet.

Inlet to be max. 3 ft below original grade with maximum depth 11 ft. below orig. grade

Dry well to be 135 ft from edge of Wellworth Way & 40 ft from right property line, both measurements from Wellworth Way, facing property.

G.B.R.

1500 gal. S.T.

② 9 ft max. depth
2 - 100 ft. length
Inlet max. 3 ft.

Jeffrey 3-9
158/br.

6/9/53 Mr. Khan @ ofc.
re 9000 Lms

158
5
790

133
0790
0
190
18
10

boender associates

engineers
surveyors
planners

BALTIMORE DIVISION INC.

SUITE 102-107 TOWN & COUNTRY PROFESSIONAL BUILDING

ELLICOTT CITY, MARYLAND 21043

BALTIMORE 301-465-7777

LETTER OF TRANSMITTAL

TO:

Howard County Health Department
3450 Courthouse Drive
Ellicott City, Maryland 21043

DATE: November 24, 1978

ATTENTION: David O'Neil

RE: Friendship Manor Section 2
Lot 14

- GENTLEMEN:

☒ WE ARE SENDING YOU ☒ ATTACHED ☐ UNDER SEPARATE COVER VIA _____ THE FOLLOWING ITEMS:
☐ SHOP DRAWINGS ☐ PRINTS ☐ PLANS ☐ SAMPLES ☐ SPECIFICATIONS
☐ COPY OF LETTER ☐

copies	date or no.	description
1	77175	Original Percolation Test Plat

THESE ARE TRANSMITTED AS CHECKED BELOW:

☒ FOR APPROVAL ☐ APPROVED AS SUBMITTED ☐ RESUBMIT _____ COPIES FOR APPROVAL
☐ FOR YOUR USE ☐ APPROVED AS NOTED ☐ SUBMIT _____ COPIES FOR DISTRIBUTION
☐ AS REQUESTED ☐ RETURNED FOR CORRECTIONS ☐ RETURN _____ CORRECTED PRINTS
☒ FOR REVIEW AND COMMENT ☐ _____
☐ FOR BIDS DUE _____ 19 _____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS: If you have any questions relevant to the attached, please do not hesitate to contact the office at your earliest convenience.

COPIES:

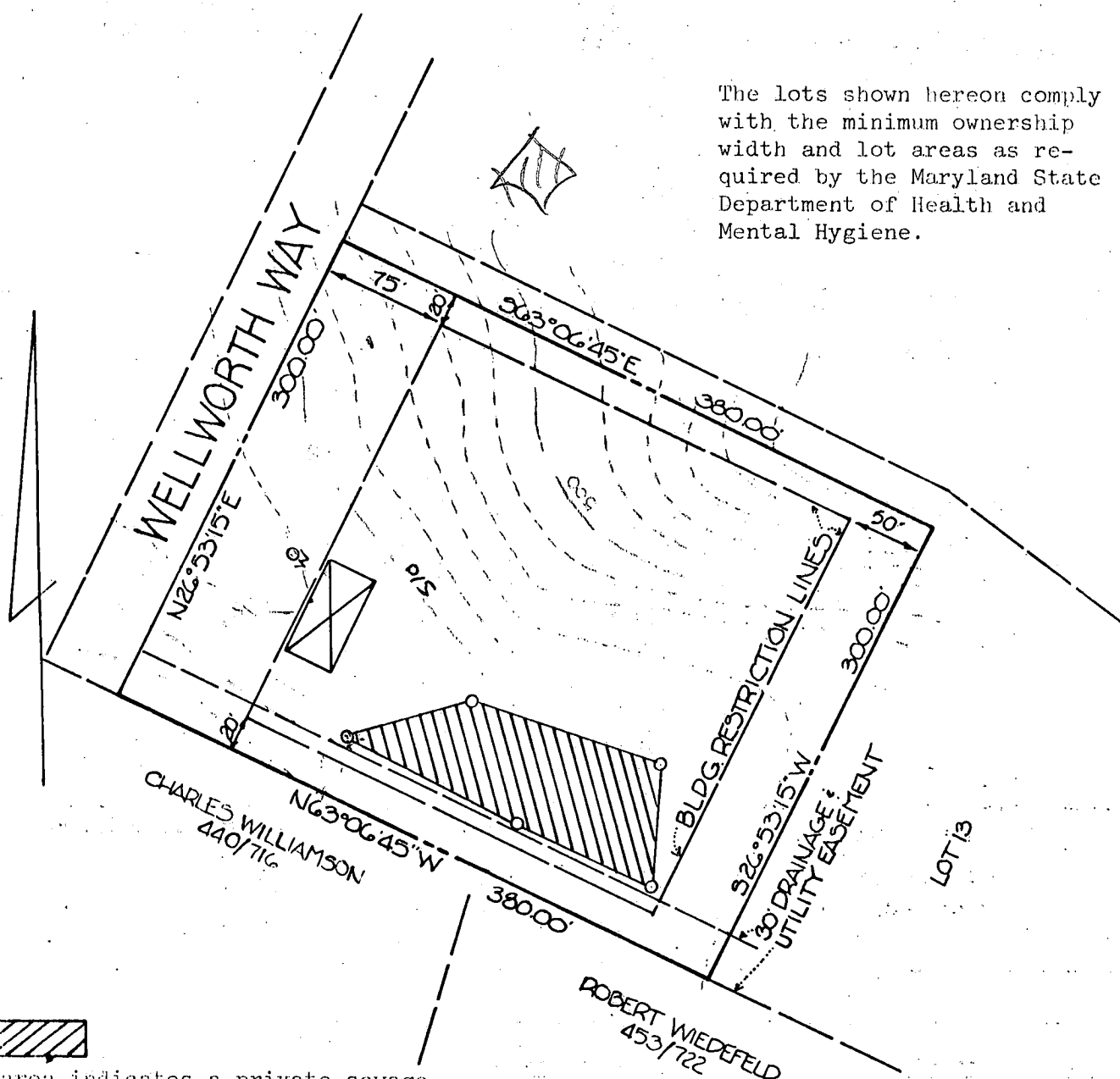
IF ENCLOSURES ARE NOT AS NOTED, KINDLY NOTIFIED US AT ONCE.

SIGNED: Boender Associates, Inc.



Percolation test holes shown hereon have been field located

The lots shown hereon comply with the minimum ownership width and lot areas as required by the Maryland State Department of Health and Mental Hygiene.



This area indicates a private sewage easement of approximately 10,000 sq. ft., as required by the Maryland State Department of Health and Mental Hygiene for individual disposal. Improvements of any kind in this area are restricted until public sewage is available and servicing any residential structures constructed on this site. This easement shall become null and void upon connection to a public sewage system.

APPROVED: For private water and private sewage systems.
Howard County Health Department

Joey M. Boender
County Health Officer

12-18-78
Date

TITLE PERCOLATION CERTIFICATION PLAT			
PROJECT FRIENDSHIP MANOR - SECTION II - LOT 14			
LOCATION Third Election District, Howard County, Maryland			
DATE: 12-12-78	DESIGN BY:	DRAWN BY: D.H.H.	CHECKED BY:
SCALE: 1" = 100'	JOB NO.: 7768	DRAWING NO.: 1 of 1	

boender associates

engineers
surveyors
planners

AZIM U.R. KHAN
Phone: 647-6887

FRIENDSHIP MANOR SEC. II LOT 14
2669 WELWORTH WAY
WEST FRIENDSHIP MD 21794



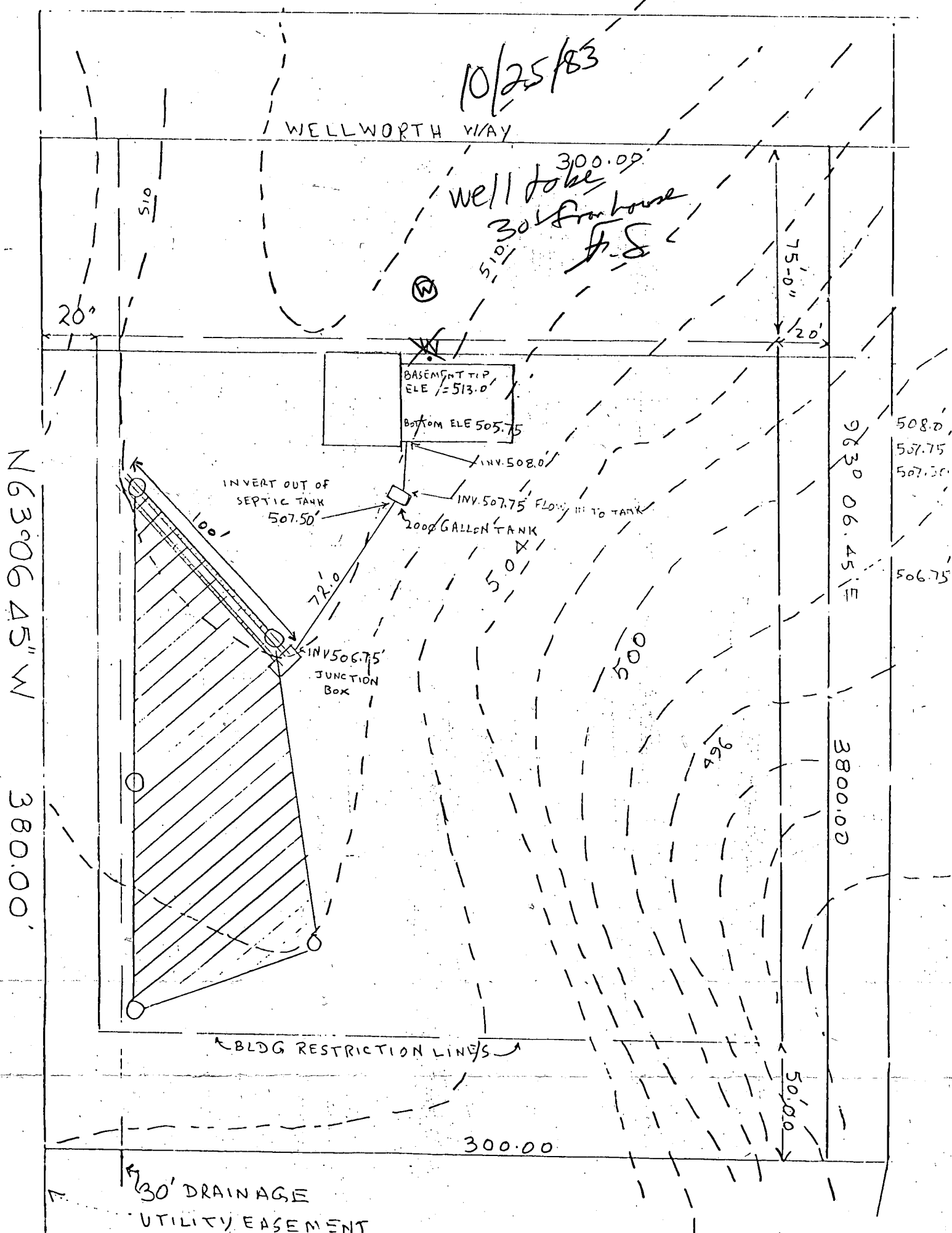
6' STONE UNDER RPE

AZIM R KHAN 61-577-

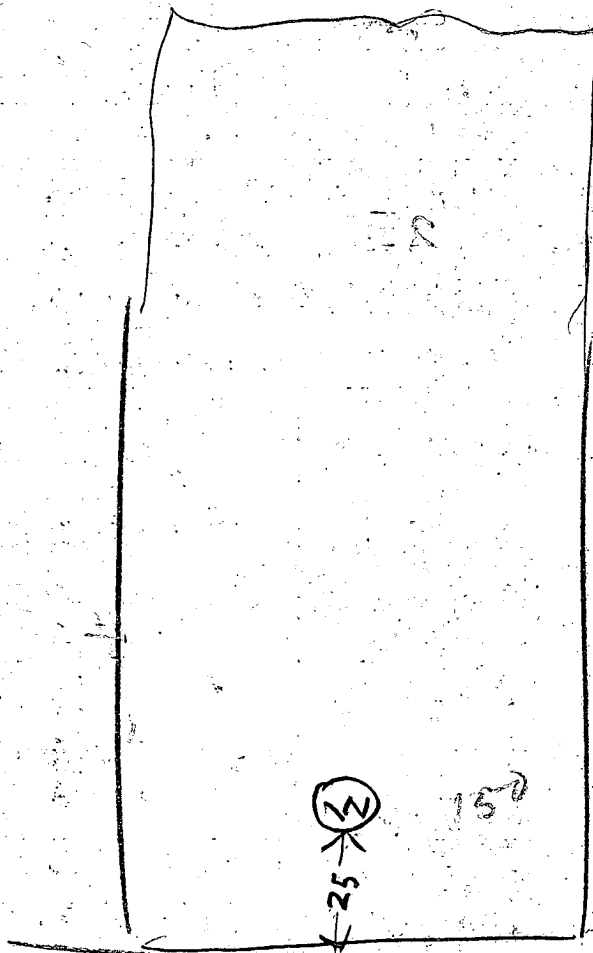
FRIENDSHIP MANOR SEC. II LOT 1A

2669 WELWORTH WAY

WEST FRIENDSHIP MD 21794



B 1 6839 (THIS NUMBER IS TO BE PUNCHED IN GOLS. 3-6 ON ALL CARDS)	SEQUENCE NO. (OEP USE ONLY) 11/3/83 1:30 Grant STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	OEP PERMIT NUMBER 40-81-0315 fill in this form completely
Date Received 10/25/83 OWNER INFORMATION KIMAN U. ARZIM 745 SCARBOROUGH CT ARNOLD MD 21012	LOCATION OF WELL HOWARD FRIENDSHIP MANOR SECTION 23 LOT 14 West Friendship MILES FROM TOWN (enter 0 if in town) 2 MI	
DRILLER INFORMATION Stanley W. Bollinger, Jr Stanley Well Drilling, Inc. P.O. Box 2035 Westm Md 21157 Signature <i>Stanley W. Bollinger</i> Date 10-25-83	WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 5 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500 USE FOR WATER (CIRCLE APPROPRIATE BOX) ☒ HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) ☐ FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) ☐ INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) ☐ PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) ☐ TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)	
APPROXIMATE DEPTH OF WELL 165 FEET APPROXIMATE DIAMETER OF WELL 6 INCH METHOD OF DRILLING (circle one) BORED (or Augered) ☒ JETTED ☐ Jetted & DRIVEN AIR-ROTary ☒ AIR-PERCussion ☐ ROTARY (Hydraulic Rotary) CABLE ☐ REVERSE-ROTary ☐ Drive-POINT other 7	NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL HOWARD COUNTY NAME OEP SIGNATURE <i>Frank Shuman</i> DATE ISSUED 10/25/83 NORTH GRID 531000 EAST GRID 0814000 SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. well 2. 3. WRITE THE BOX NUMBER FROM THE MAP HERE E 810 4 N 530 1 DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION N ← MD 32 ← MD 144 ← Wellworth Way 2700' 75' SK well	
REPLACEMENT OR DEEPEINED WELLS (CIRCLE APPROPRIATE BOX) ☒ THIS WELL WILL NOT REPLACE AN EXISTING WELL ☐ THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED ☐ THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY ☐ THIS WELL WILL DEEPEIN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE) 41 52 Not to be filled in by driller (OEP USE ONLY) APPROP. PERMIT NUMBER 54 GAP 63 FORCE FS WRITE INITIALS IN BOX PERMIT No. 40-81-0315 SPECIAL CONDITIONS		



WELL WORTH WAY

11/3/83

- ① 56 FT CASING 1 FT OUT OF GROUND
- ② 31 FT OPEN HOLE MEASURED WITH A STRING
- ③ LOCATION OK
- ④ BAGS
- ⑤ WELL OK

Raymond Hodges

C1 0830 SEQUENCE NO. (OEP USE ONLY)
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

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.

COUNTY NUMBER A29299

DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO.
FROM "PERMIT TO DRILL WELL"

8 13

110383

22 165 26
(TO NEAREST FOOT)

40-81-0315
28 29 30 31 32 33 34 35 36 37

OWNER Khan Azim
last name first name
STREET OR RFD wellworth Way TOWN West Friendship
SUBDIVISION Friendship Manor SECTION 2 LOT 14

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		Check if water bearing
	FROM	TO	
Top Soil	0	2	
Brown Shale	2	48	
Brown Shale	48	63	
Blue Shale	63	92	
Brown Shale	92	96	J8
Blue Shale	96	165	

GROUTING RECORD

WELL HAS BEEN GROUTED
(Circle Appropriate Box)

yes no
Y N
44 44

TYPE OF GROUTING MATERIAL

CEMENT CM BENTONITE CLAY BC

NO. OF BAGS 9 NO. OF POUNDS 846

GALLONS OF WATER 54

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 31 ft.
(enter 0 if from surface)

CASING RECORD
casing types insert appropriate code below
ST CO
STEEL CONCRETE
PL OT
PLASTIC OTHER

MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot)

57 6 59

OTHER CASING (if used)
diameter inch depth (feet) from to

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

DEPTH (nearest ft.)
H0 55 165

SLOT SIZE 1 2 3
DIAMETER OF SCREEN (NEAREST INCH)

GRAVEL PACK
IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

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

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 3

PUMPING RATE (gal. per min. to nearest gal.) 8

METHOD USED TO MEASURE PUMPING RATE Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING 29

WHEN PUMPING 102

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 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)
PUMP HORSE POWER

PUMP COLUMN LENGTH (nearest ft.)

CASING HEIGHT (circle appropriate box and enter casing height)

above below LAND SURFACE (nearest foot)

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)

well 20' 40'

HOUSE

CIRCLE APPROPRIATE LETTER
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. 708

DRILLERS SIGNATURE
(MUST MATCH SIGNATURE ON APPLICATION)

SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-0315
 Location of property (road) Wellworth Way
 Subdivision Friendship Manor Lot 14 Block Plat Sec. 2
 Well Driller Stan's Well Drilling Inc. Owner Azim U. Khay

Depth of well 165'
Distance of measuring point (M.P.) above ground 1'
Static water level (S.W.L.) below M.P. 28'

I. High rate pumping -- reservoir drawdown

Time pump started 1330 Pumping rate 156 PM
Total time 30 min to reach pumping water-level 102' ft. below M.P.

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

[illegible]