

11/2/00
All Day
11/3/00
all day

PERMIT

SEWAGE DISPOSAL SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
410-313-2640

P 51427
A 50195-A
ISSUE DATE 10-13-00
APPROVAL DATE 11/3/00

#00056

INDEXED

Union Paving co., Inc. IS PERMITTED TO INSTALL ALTER

ADDRESS 5977 Sandy Ridge Drive Elkridge, MD 21075 PHONE (410) 379-6463

SUBDIVISION Friendship Farms LOT NUMBER 1 ADDRESS 2673 Wellworth Way

PROPERTY OWNER Altieri Homes PROPERTY OWNER'S ADDRESS 9017 Red Branch Rd, #201

SEPTIC TANK CAPACITY 1250 GALLONS Columbia, MD 21045

PUMP CHAMBER CAPACITY _____ GALLONS

NUMBER OF BEDROOMS 4

SQUARE FEET PER BEDROOM 180

LINEAR FEET OF TRENCH REQUIRED 180

*** PRE-CONSTRUCTION INSPECTION REQUIRED ***

TRENCHES: Trenches to be 2 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 7 feet below original grade. 4 feet of stone below distribution box.

LOCATION: Begin trenches 105 feet off the front lot line and 60 feet off the left lot line as seen when facing the lot from Wellworth Way. Run trenches on contour.

PLANS APPROVED S Amy McMillen OK SRH 8/4/00 DATE 7/8/2000

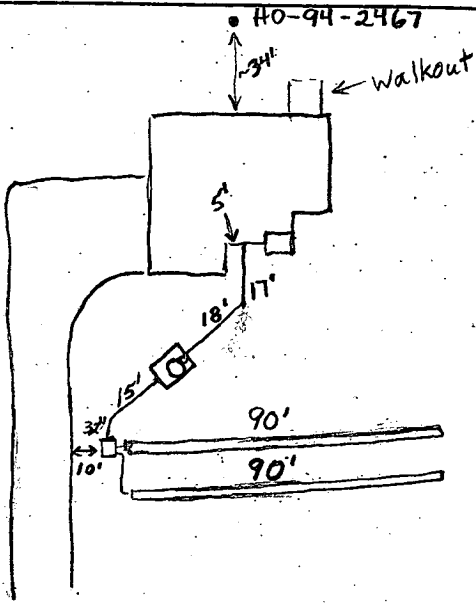
PERMIT VOID AFTER 2 YEARS

- (NOTE) CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
- NOTE: TOP OF SEPTIC TANKS ARE TO BE NO DEEPER THAN 3.0 FEET BELOW FINISH GRADE
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS, 90° ELBOWS ARE NOT ACCEPTABLE
- NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX, DRAINFIELDS) TO BE 100 FEET FROM ANY WATER WELL UNLESS OTHERWISE SPECIFICALLY AUTHORIZED
- NOTE: NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH UNLESS SPECIFICALLY AUTHORIZED
- NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 40 PVC OR ABS
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS
- NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES
- NOTE: IF PUMPED SEPTIC SYSTEM REQUIRED, (1) SEPTIC PUMP DETAIL TO BE PROVIDED BY INSTALLER PRIOR TO ISSUANCE OF SEPTIC PERMIT (2) PUMP PERFORMANCE TEST IS NECESSARY PRIOR TO HEALTH DEPARTMENT APPROVAL OF SEPTIC PERMIT

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 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

50195-A

NOT TO SCALE



TRENCH DATA

TRENCH WIDTH 2.0'
 TRENCH INLET DEPTH 3.0'
 TRENCH BOTTOM DEPTH 7.0'
 DEPTH OF STONE 4.0'
 NUMBER OF TRENCHES 2
 TOTAL TRENCH LENGTH 180'
 ABSORBENT AREA 720 sq. ft.
 DISTRIBUTION BOX LEVEL OK
 BAFFLE IN DISTRIBUTION BOX Yes

SEPTIC TANK DATA

SEPTIC TANK 1250 TS GALLONS
 MANHOLE RISER Yes
 6 INCH INSPECTION PORT Yes
~~PUMP CHAMBER DATA~~ N/A
 PUMP CHAMBER GALLONS _____
 MANHOLE RISER _____
 ALARM _____
 PUMP PERFORMANCE TEST _____

Wellworth Way

PRE-CONSTRUCTION INSPECTION: _____

INSPECTION COMMENTS: 11/1/00 House connection made. Tank O.K. (BB)

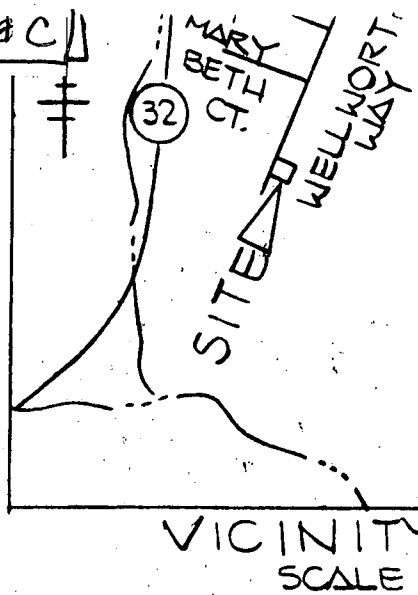
11/2/00 No other septic work completed. I advised contractor who was in process of adding fill onto SDA to stop grading until initial system was installed as specified. DC 11/3/00 System satisfactory. O.K. to cover. (BB)

INSPECTOR B. Baker

DATE SYSTEM APPROVED 11/3/00

1) STRUCTURE CLEARANCES - MINIMUM 12 FEET:
 9) MAINTENANCE - SUFFICIENT TO INSURE ALL WEATHER USE.

FC & C



GENERAL NOTES

1. SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT No.
2. PROPOSED 1500 GALLON SEPTIC TANK.
3. A. FIRST FLOOR ELEVATION: 504.50
 B. BASEMENT ELEVATION: 495.50
 C. INVERT OF SEPTIC SYSTEM AT HOUSE: 500.40
 D. INVERT IN AT SEPTIC TANK: 499.80
 E. INVERT OUT AT SEPTIC TANK: 499.50
 F. PROPOSED GRADE OVER SEPTIC TANK: 502.00
 G. INVERT AT DISTRIBUTION BOX: 499.00
 H. EXISTING GROUND OVER DISTRIBUTION BOX: 502.00
4. LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
5. CONTRACTOR / BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING ANY CONSTRUCTION.
6. THERE IS NO BASEMENT SERVICE TO SEPTIC SYSTEM.

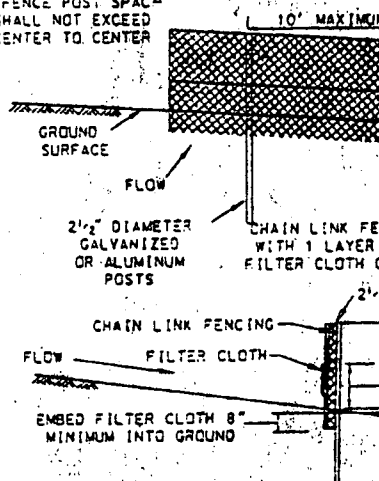
Total linear feet of trench required 180 feet

Width of trench(es) 2.0 feet

Depth of trench(es) 7.0 feet

Depth of stone required below distribution pipe 4.0 feet

NOTE: FENCE POST SPACING SHALL NOT EXCEED 10' CENTER TO CENTER



Approved Septic System Plan
 Howard County Health Department

LOT 14
 FRIENDSHIP MANOR
 SECTION 2
 PLAT No. 3888

Signature

Date

Construction Specifications
 Fencing shall be 42 inches in height and with the latest Maryland State Highway Dept. Fencing. The specification for a 6 foot substituting 42 inch fabric and 6 foot 14

1. The poles do not need to set in concrete.
2. Chain link fence shall be fastened to posts with wire ties or staples.
3. Filter cloth shall be fastened to fence with ties spaced every 24" at top and bottom.
4. Filter cloth shall be embedded a minimum 8" into ground.
5. When two sections of filter cloth meet, they shall be overlapped by 6" and folded.
6. Maintenance shall be performed as needed and removed when "bulges" develop in the trench.

SUPER S...
 NO. 50

FRIENDSHIP MANOR SECTION 2 LOT 15 PLAT No. 3888

ER...
 E SILT

WELLWORTH WAY

PRIVATE 30' WIDE USE-IN-COMMON DRIVEWAY ACCESS EASEMENT ACROSS LOTS 1 THRU 4 FOR THE USE AND BENEFIT OF LOTS 1 THRU 5. MAINTENANCE AGREEMENT RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND

PLAN TO ACCOMPANY...
 FOR BUILDING PERMIT

FRIENDSHIP MANOR
 LOT 1

LOTS 1 THRU 15, PLAT NO. 3888



APPLICATION

PERCOLATION TESTING

A 50195A

P _____

DISTRICT THIRD

DATE AUGUST 1, 1994

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER JOHN SIONE BRITTEN

ADDRESS 2716 JENNINGS CHAPEL ROAD WOODBINE MARYLAND PHONE 489-9342

AGENT OR PROSPECTIVE BUYER BRITTEN PROPERTY PARTNERSHIP

ADDRESS P.O. Box 1371 ELLICOTT CITY MARYLAND 21041 PHONE 461-2855

PROPERTY LOCATION:

SUBDIVISION FRIENDSHIP FARM (BRITTEN PROPERTY) LOT NO. 1

ROAD AND DESCRIPTION 2800± SOUTH FROM THE INTERSECTION OF MARYLAND ROUTE 144 AND WELMORATH WAY

TAX MAP 15 PARCEL # 65

SIZE OF LOT 40,000 SQ. FT. TYPE BLDG. SINGLE FAMILY DETACHED
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. Chiffa
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

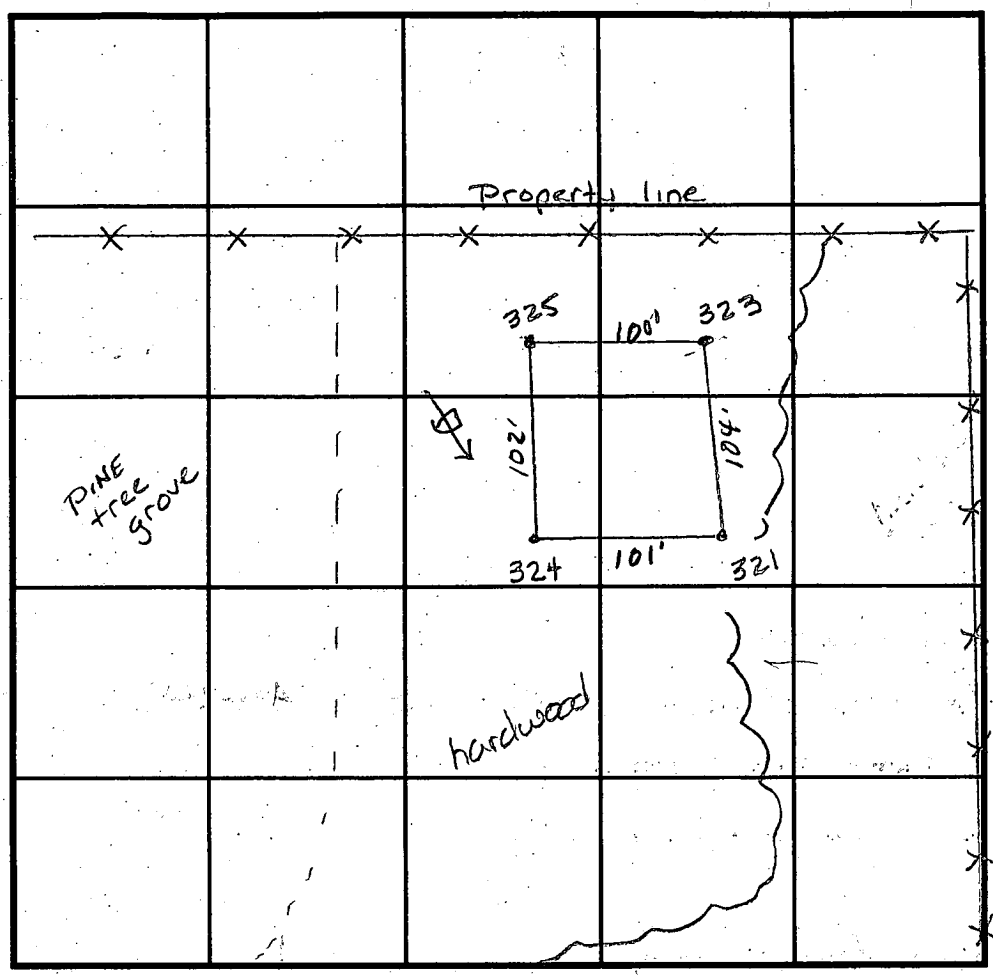
SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

50195A
COUNTY #

SOIL PROFILE
0' 323/325
bright orange cl
3' orange brn SIL
5 1/2' lgt tan/grey SL Mica chunks 1"-2" diameter
11 1/2'

324/321
lgt brown CSL
1 1/2' lgt grey and brocon S decayed mica & shale chunks throughout 5-100% OK
11'



SOIL PROFILE
0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8/10/94	323	3 1/2' V 11 1/2'	10:21	10:21 ³⁰	10:21 ³⁰	10:22 ³⁰	1min
	323	6' V 11 1/2'	10:23	10:24 ³⁰	10:24 ³⁰	10:26 ³⁰	2min
	325	Visual	to 13'				OK
	324	2 1/2' V 11'	11:27 ¹⁵	11:27 ³⁰	11:27 ³⁰	11:27 ⁴⁵	15sec
	324	repair	11:28	11:28 ³⁰	11:28 ³⁰	11:29 ³⁰	30sec
	321	V 11 1/2'	11:45 ³⁰	11:46 ³⁰	11:46 ³⁰	11:46 ⁴⁵	45sec
	321	repair	11:47	11:47 ⁵⁵	11:47 ⁵⁵	11:49 ¹⁵	1 1/4 min

REMARKS check for house on other side of prop. line

TYPE OF SOIL _____

TESTED BY Amy McMillen ALSO PRESENT FRANK MANALANSAN

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 2 min TRENCH WIDTH 2'

INLET DEPTH 3' MAXIMUM BOTTOM DEPTH 7' SQ. FT./BEDROOM 180ft²

Copy of signed
Preliminary
P-95-25

9/14/99
Well site
for Lot #1
looks O.K.
BB

FRIENDSHIP
MANOR
SECTION 2
LOT 14
AT No. 3889
REC'D RR-DEC

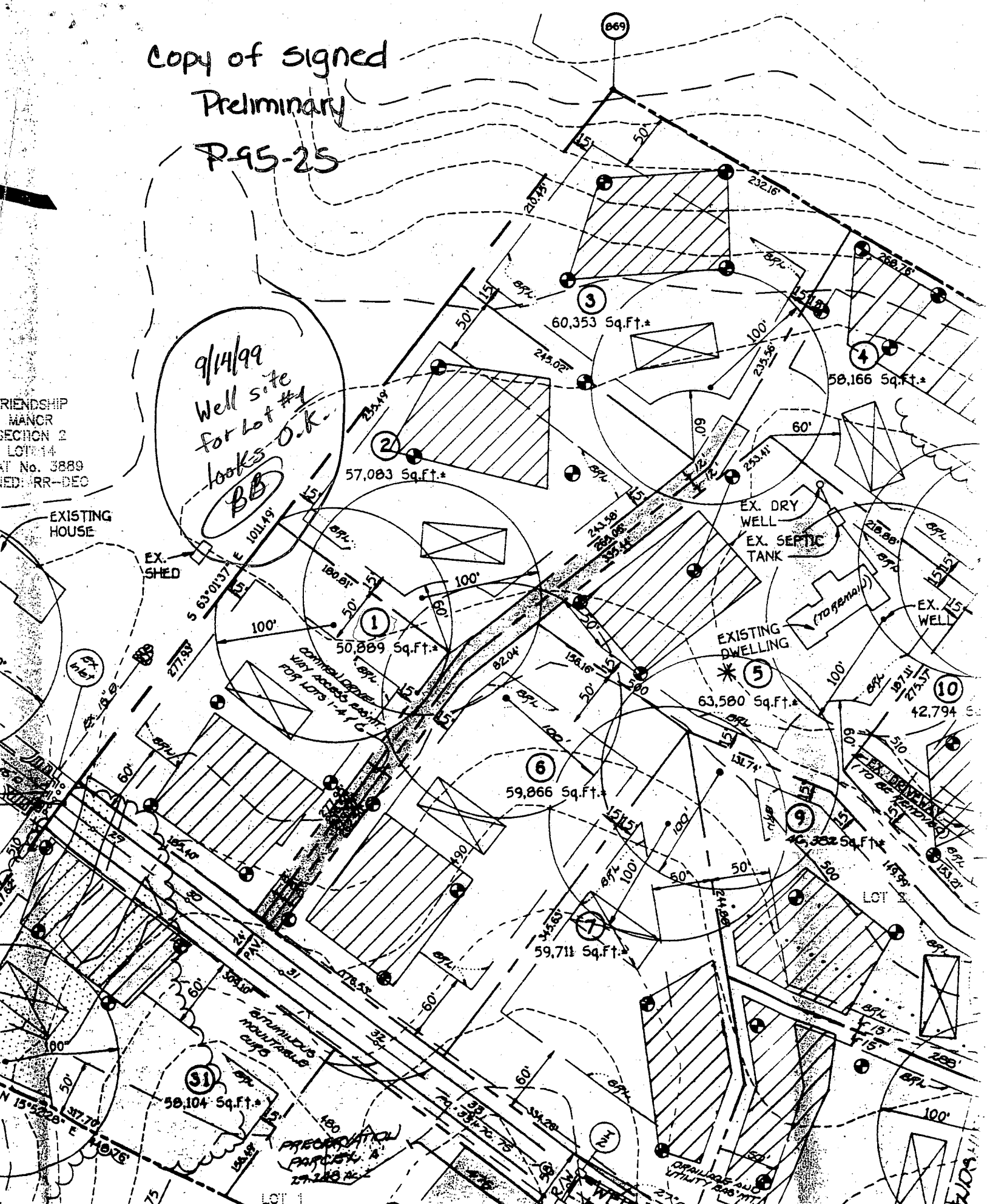
EXISTING HOUSE

EX. SHED

EX. DRY WELL
EX. SEPTIC TANK

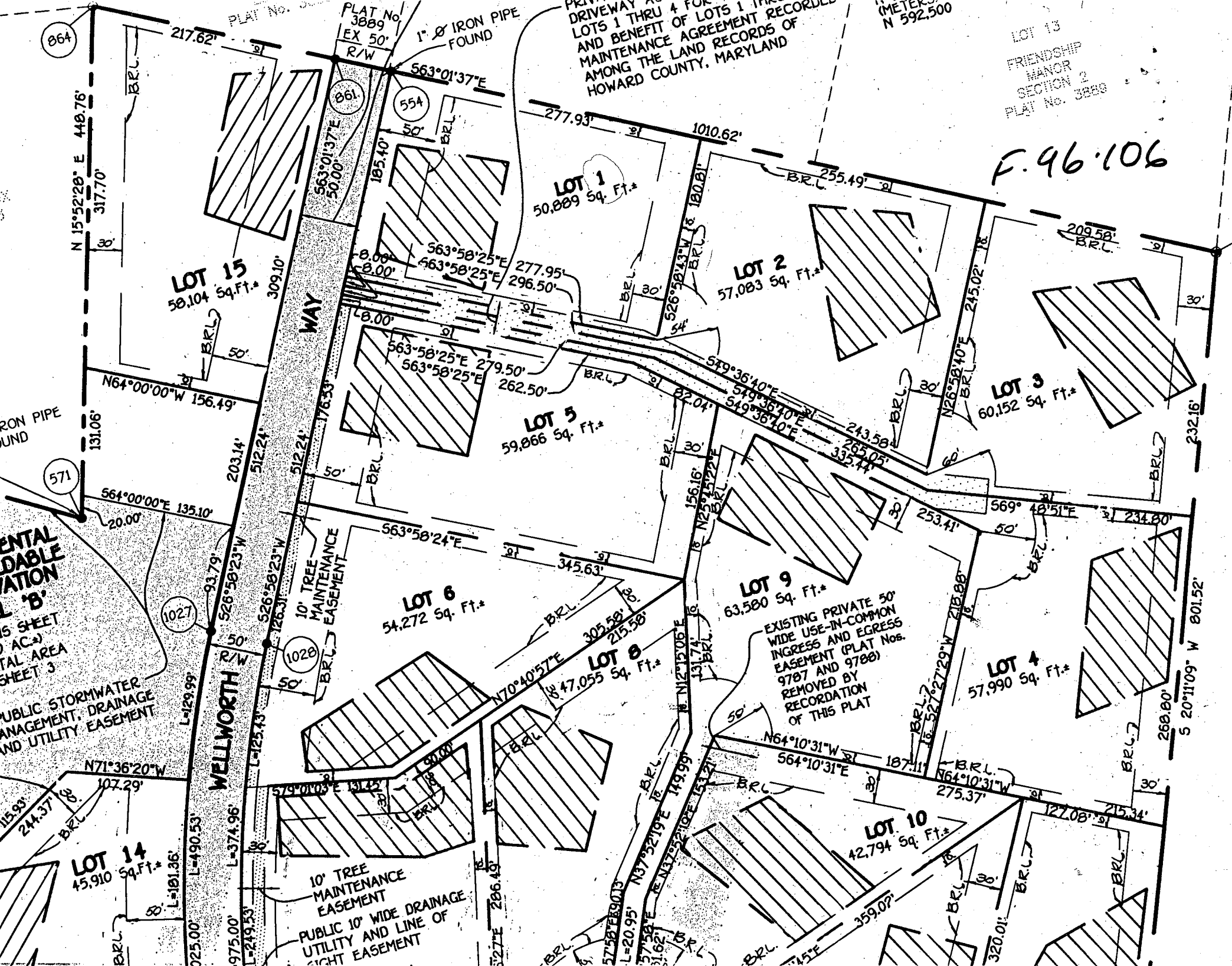
EXISTING DWELLING

EX. WELL



PRELIMINARY
PARCEL #

CONDUITS AND
UTILITY BAG M/T



864

861

554

LOT 1
50,009 Sq. Ft.*

LOT 15
50,104 Sq. Ft.*

LOT 2
57,083 Sq. Ft.*

LOT 5
59,866 Sq. Ft.*

LOT 3
60,152 Sq. Ft.*

LOT 6
54,272 Sq. Ft.*

LOT 9
63,580 Sq. Ft.*

LOT 8
47,055 Sq. Ft.*

LOT 4
57,990 Sq. Ft.*

LOT 14
45,910 Sq. Ft.*

LOT 10
42,794 Sq. Ft.*

F.96.106

LOT 13
FRIENDSHIP
MANOR
SECTION 2
PLAT No. 3889

PRIVATE DRIVEWAY AND 4 FOR
LOTS 1 THRU 4 FOR
AND MAINTENANCE AGREEMENT RECORDED
AMONG THE LAND RECORDS OF
HOWARD COUNTY, MARYLAND

(METERS
N 592.500

PLAT No. 3889
EX 50'
R/W
1" Ø IRON PIPE
FOUND

MENTAL
DABLE
VATION
L 'B'
15 SHEET
AC.)
TAL AREA
SHEET 3

PUBLIC STORMWATER
MANAGEMENT, DRAINAGE
AND UTILITY EASEMENT

10' TREE
MAINTENANCE
EASEMENT
PUBLIC 10' WIDE DRAINAGE
UTILITY AND LINE OF
SIGHT EASEMENT

EXISTING PRIVATE 50'
WIDE USE-IN-COMMON
INGRESS AND EGRESS
EASEMENT (PLAT Nos.
9787 AND 9788)
REMOVED BY
RECORDATION
OF THIS PLAT

S 20°11'09" W 801.52'

WELLWORTH WAY

IRON PIPE
FOUND

571

1027

1028

8

8

8

8

8

8

8

8

8

8

8

8

8

C1 1999

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED. OK SRN 3/13/00

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED 01 28 2000

Depth of Well 400 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-2462

OWNER Altieri Homes Wellworth Way Friendship Farms SECTION LOT 1

WELL LOG Not required for driven wells

Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Overburden, Gray Rock, and water at 95.

GROUTING RECORD WELL HAS BEEN GROUTED (Y) (N)

TYPE OF GROUTING MATERIAL (Cement CM, Bentonite Clay BC), NO. OF BAGS 18, NO. OF POUNDS 1800

CASING RECORD casing types insert appropriate code below (ST, CO, PL, OT)

MAIN CASING TYPE ST, Nominal diameter top (main) casing 6, Total depth of main casing 75

OTHER CASING (if used) diameter, depth (feet)

SCREEN RECORD screen type or open hole (ST, BR, HO, PL, OT)

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED (Y) (N) CIRCLE APPROPRIATE LETTER

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04

DRILLERS LIC. NO. MWD 399 DRILLERS SIGNATURE Thomas McElty LIC. NO. JS D049

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

DEPTH (nearest ft.) HO 75 400

SCREEN RECORD table with columns for diameter of screen and slot size

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) TELESCOPE CASING, LOG INDICATOR, OTHER DATA

C 3 PUMPING TEST

HOURS PUMPED 6, PUMPING RATE 1.1, METHOD USED TO MEASURE PUMPING RATE Submersible, WATER LEVEL 28 ft. BEFORE PUMPING, 34 ft. WHEN PUMPING

PUMP INSTALLED DRILLER INSTALLED PUMP (CIRCLE) (YES) (NO)

IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29

CAPACITY GALLONS PER MINUTE (to nearest gallon) 31 35, PUMP HORSE POWER 37 41, PUMP COLUMN LENGTH (nearest ft.) 43 47

CASING HEIGHT (circle appropriate box and enter casing height) (+) above, (-) below LAND SURFACE 1 (nearest foot)

LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURES AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL) NA

B 1 13111
1 2 3 6

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND
PERMIT TO DRILL WELL
please print or type

STATE PERMIT NUMBER

HO-94-2467
70 fill in this form completely 79

Date Received (APA)
08 10 99
8 MM DD YY 13

OWNER INFORMATION

Alteri Homes
15 Last Name Owner First Name 34
9017 Red Branch Road
36 Street or RFD 55
Columbia MD 21045
57 Town 70 State 72 Zip 76

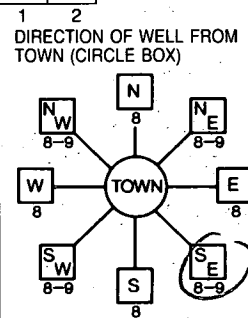
B 3 LOCATION OF WELL

Howard
8 COUNTY 21
Friendship Farms (Oaks at Yardley Hunt)
23 SUBDIVISION 42
SECTION 44 46 LOT 48 50
West Friendship
52 NEAREST TOWN 71
MILES FROM TOWN (enter 0 if in town) 1 MI
73 76 77 78

DRILLER INFORMATION

Paul M. Fabiszak M W D 399
Driller's Name 76 License No. 81
G. Edgar Harr Sons' Corp
Firm Name
12047 Falls Road, Cockeysville 21030
Address
Signature Date 8/6/99

B 4



Wellworth Way
11 NEAR WHAT ROAD 30
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
NORTH N
WEST W EAST E
SOUTH S
34 100 37 DISTANCE FROM ROAD FT MI 38 39
ENTER FT OR MI
TAX MAP: BLK: PARCEL

B 2 WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5
8 750 2
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
- FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
- INDUSTRIAL, COMMERCIAL, DEWATERING
- PUBLIC WATER SUPPLY WELL
- TEST, OBSERVATION, MONITORING
- GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard Co A50195-A
COUNTY NAME COUNTY NO.
STATE SIGNATURE INSERT S
DATE ISSUED 10/14/99 A G M - M L L 10/14/00
43 MM DD YY 48 CO SIGNATURE EXP. DATE
NORTH GRID 530 000 EAST GRID 810 000
50 55 57 63

APPROXIMATE DEPTH OF WELL 250 FEET
24 28

APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN
30 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)
37 CABLE REVerse-ROTARY DRive-POINT
other

REPLACEMENT OR DEEPEMED 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-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
 - THIS WELL WILL DEEPEMED AN EXISTING WELL
- PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 52

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

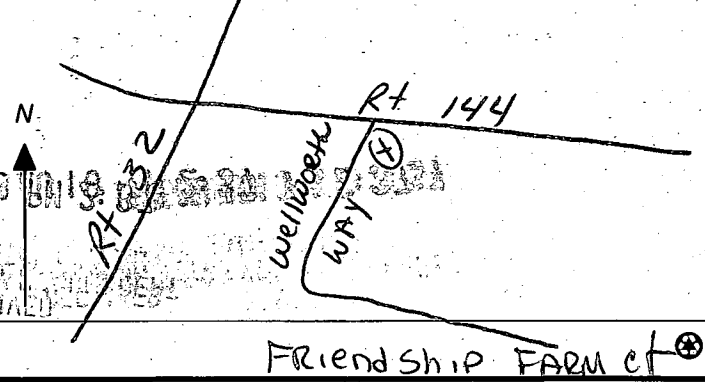
SOURCES OF DRILLING WATER

- 1. well
- 2.
- 3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 810
N 530
000
000

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION



Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROX. PERMIT NUMBER 54 G A P 63
PERMIT No. HO-94-2467
70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED