

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

461-8933

3/3-2640

INDEXED

File

P 48293

A 459687

DISTRICT 3rd

DATE 4/25/92

DATE SYSTEM APPROVED 7/13/92

INSPECTOR CBS

Sam's Excavating

IS PERMITTED TO INSTALL X ALTER

ADDRESS 11581 Scaggsville Road, Laurel, Maryland 20723 PHONE 498-0145

SUBDIVISION Kielman Property LOT 2 ROAD 13101 Triadelphia Road

PROPERTY OWNER Howard E. & Monica L. Stewart

ADDRESS

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

TRENCHES - Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 3 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place the distribution box 290 feet down the right lot line and 130 feet off the same lot line as seen when facing the lot from Triadelphia Road. Run the trenches toward the right (south) side of the lot.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. *OK 5/18/92 R/H*

*Contractor would like 4 septic tank trenches (OK R/P 5/25/92)
This will mean a slight change in loc. placement*

PLANS APPROVED BY Raymond Hodges/Mark Rifkin REVISED DATE 11/13/91

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, 90° ELBOWS NOT ACCEPTABLE.

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 TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES)

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

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 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 PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

HD-280(6-80)

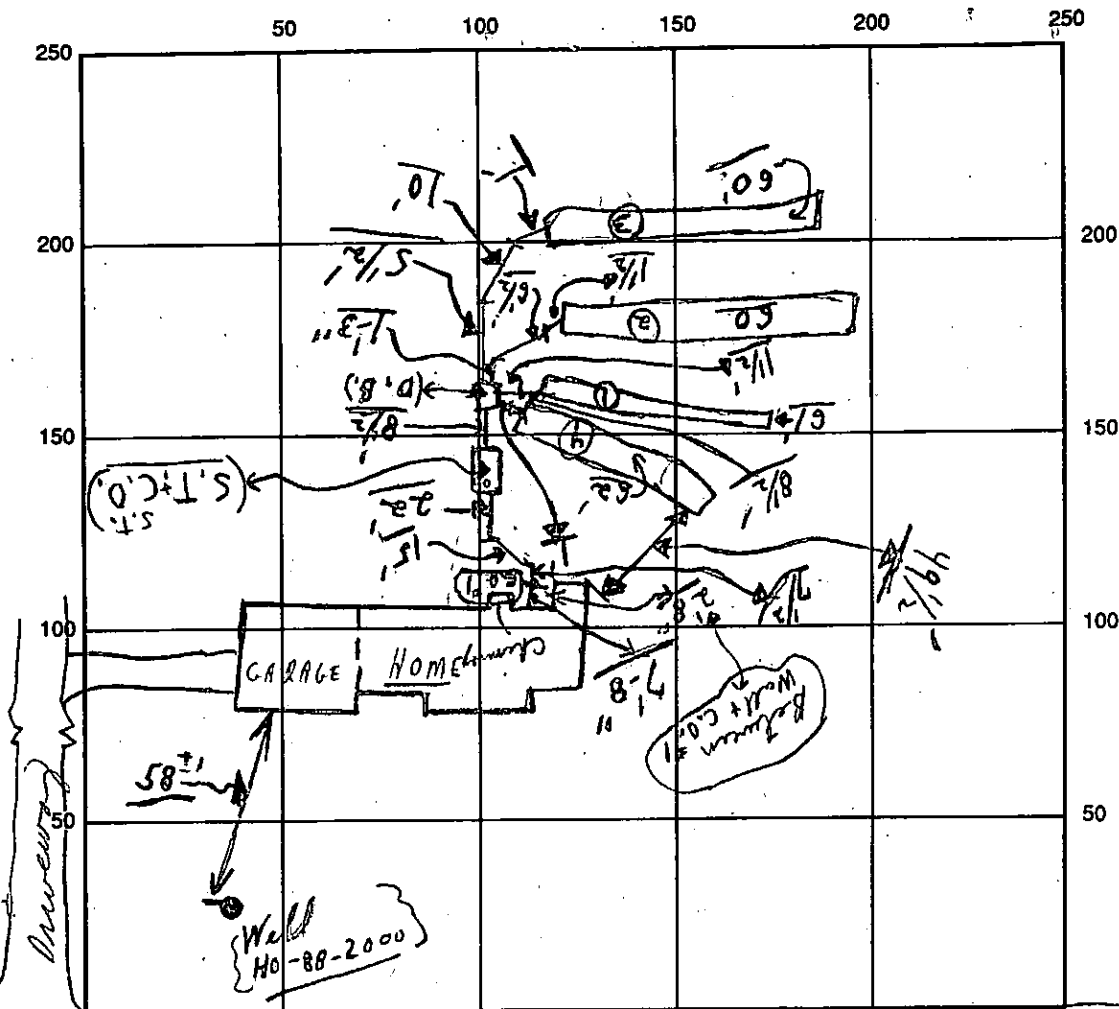
*CALL 461-8933 FOR INSPECTION OF SEPTIC SYSTEM.

PERMIT SIGNED

AND RETURNED 9-11-92

*Serial # B10107821
2-cav gauge*

A 45948



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL OK Philadelphia Road S.T. OK C.O. OK
 DISTRIBUTION BOX LEVEL OK (Baffles in)
 DRAIN FIELD/TITLE DEPTH 5 FT. average TRENCH WIDTH 3 FT. INLET DEPTH 3 FT.
 EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 243 FT. ① 61' ② 60' ③ 60' ④ 62'
 NUMBER OF TRENCHES 4 ONE SIDEWALL/BOTTOM AREA 729 SQ. FT.
 DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA 729 SQ. FT.

REMARKS: Partial 7/10 A.M. - No tank yet, no pipe; Hold for call for
7/13/92 only Mrs. Susan Wilkerson at site (No permit check on site)
7/13/92 A.M. Final - ok to cover all work. Ray Wilkerson
at site. C.B.R.

7/13/92 A.M. - NO - W.P.I. - trench only; C.B.R.

DATE SYSTEM APPROVED 7/13/92 INSPECTOR Charles Bryan, Theodor

PHILADELPHIA

ChE

ChB2

ChC2

GnB2

ChB2

Howard Stewart
8373 Old Columbia Rd.
Laurel Md.

490-3432

hA

CgC2

Cs

TAX MAP 22
PARCEL 400

MR 11/13/91
FIRST WELL
DRILLED OFF
LOT
ERROR - MISTAKE
TO BE
ABANDONED
15 FROM APPROX PLAT

ENGINEER
MISTAKE WELL
ABANDONED
15 FROM APPROX PLAT

Dry
11/26/91

11/26/91
3rd Well
Site OK
MR

LOT 2
2.78 AC.

Ex. STRUCTURES
EX. 1

WE 546

555

550

570

53327

568°05'36"E

862.55'

NG 8°05'36"W

BCW

BRL

Per June 90

BRL

Per June 90

BRL

Per June 90

BRL

Per June 90

BRL

Per June 90

BRL

Per June 90

BRL

Per June 90

BRL

Per June 90

BRL

Per June 90

BRL

Per June 90

BRL

Per June 90

BRL

Per June 90

BRL

SCALE: 1" = 100'



PLOT PLAN BUILDING PERMIT # 41604

13101 TRIADDELPHIA ROAD
ELLCOTT CITY, MARYLAND 21043

ALSO KNOWN AS:

LOT #2 KIELMAN PROPERTY (LIBER 1254
PARCEL 16 BLOCK 10
ZONE "R" ZONE MAP 22)

OWNERS:

HOWARD E. & MONICA L. STEWART
PHONE # 490-3432 HOME (LAUREL)
443-8788 WORK (ROCKVILLE)

NOTES:

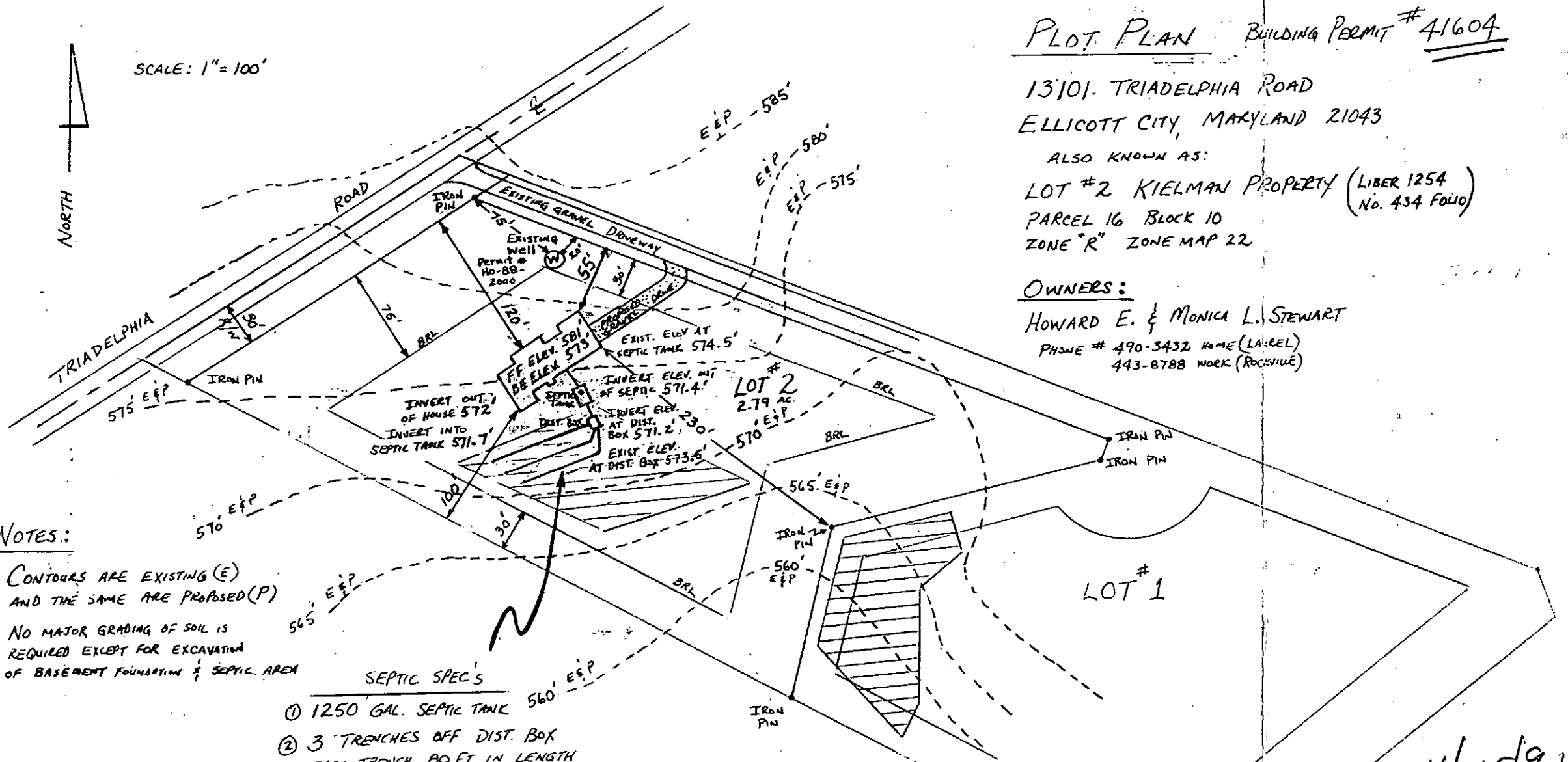
- ① CONTOURS ARE EXISTING (E) AND THE SAME ARE PROPOSED (P)
- ② NO MAJOR GRADING OF SOIL IS REQUIRED EXCEPT FOR EXCAVATION OF BASEMENT FOUNDATION & SEPTIC AREA

SEPTIC SPEC'S

- ① 1250 GAL. SEPTIC TANK
- ② 3 TRENCHES OFF DIST. BOX
- ③ EACH TRENCH 80 FT IN LENGTH
- ④ EACH TRENCH TO BE 3 FEET IN WIDTH
- ⑤ MAX. DEPTH OF TRENCHES 5 FEET
- ⑥ TRENCH PIPES REQUIRE 2 FEET OF STONE BELOW PIPE

I certify that the measurements/elevations
for the septic system on this property is correct.
Signed: Howard E. Stewart 4/15/92

4/15/92
REVISED PLANS OK
B. Hodger



BUILDING
PERMIT #
41604

7/15/92 AM 11:26

#10.03 FEE

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

461-9933

410-313-2640

7/15/92
OK
Final
C.B.D.

APPLICATION FOR PITLESS ADAPTER WELL PUMP AND PRESSURE TANK INSTALLATION
LINE

New Installation ☒
Replacement ☐

Receipt # _____
Date _____

Name of Installer SHIPLEY PLUMBING & HEATING

Telephone 317-0188
(301)

License Number 6822

Certified Well Pump Installer _____ Well Driller _____ Registered Plumber ☒

Name of Property Owner HOWARD E & MONICA L. STEWART Telephone 490-3432

Subdivision KIELMAN PROPERTY Lot # 2 Well Tag # 88-2000

Site Address 13101 TRIADELPHIA ROAD
ELLCOTT CITY, MD. 21043 HO

Pump
1. Type
a. Deep well jet _____
b. Shallow well jet _____
c. Submersible *
2. Make GOULDS
3. Model # 10 EJ
4. Capacity 10 GPM
5. Pump exceeds well capacity Yes _____ No _____
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 _____

Motor
1. Horsepower 1
2. RPM 3450
3. Voltage 220
a. 110 _____
b. 220 *

Pitless Adapter
1. Make CAMPBELL
2. Model # B20X
3. Depth 42"

Tank
1. Capacity 4.4 gal 120 CONVENTIONAL
2. Pressure relief valve? 75

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

Well data
1. Depth 300 ft.
2. Yield 5 GPM
3. Static water level 19 ft.
4. Will water supply be disinfected by installer? _____

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: Howard E. Stewart

Date: 7/16/92

[Left card] 7/15 P.M.

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

HD-215

7/13/92 No inspection today / C.B.D.
Left card for them to call - trench open.

APPLICATION

PERCOLATION TESTING

A 45968

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE 461-9933

PROB W OK
RE-TEST
ORIGINAL LOCATION
INCONVENIENT TO
OWNER, C.W.

DISTRICT _____

DATE 5/23/90

RE-PERC

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 GEORGE F. AND ELAINE C. KIELMAN Howard E + Monica L. Stewart

ADDRESS 13071 TRIADELPHIA ROAD 21043 PHONE 740-2182

PROSPECTIVE BUYER C/O JOHN REUWER

ADDRESS LAND DESIGN & DEVELOPMENT, INC. PHONE 740-2100

PROPERTY LOCATION: 10805 HICKORY RIDGE RD.

SUBDIVISION COLUMBIA MD. 21044

ROAD AND DESCRIPTION KIELMAN PROPERTY LOT NO. 2

13101 TRIADELPHIA ROAD

TAX MAP 22 PARCEL # 400

SIZE OF LOT 3 ACRE +/- TYPE BLDG SFD
(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. John C. Reuwer 5/23/90
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 6/12/90 - RETEST

9/16/91 - PLAT OK & SPECS WRITTEN

BLDG. PERMIT SIGNED

AND RETURNED 4/15/92

THIS IS NOT A PERMIT

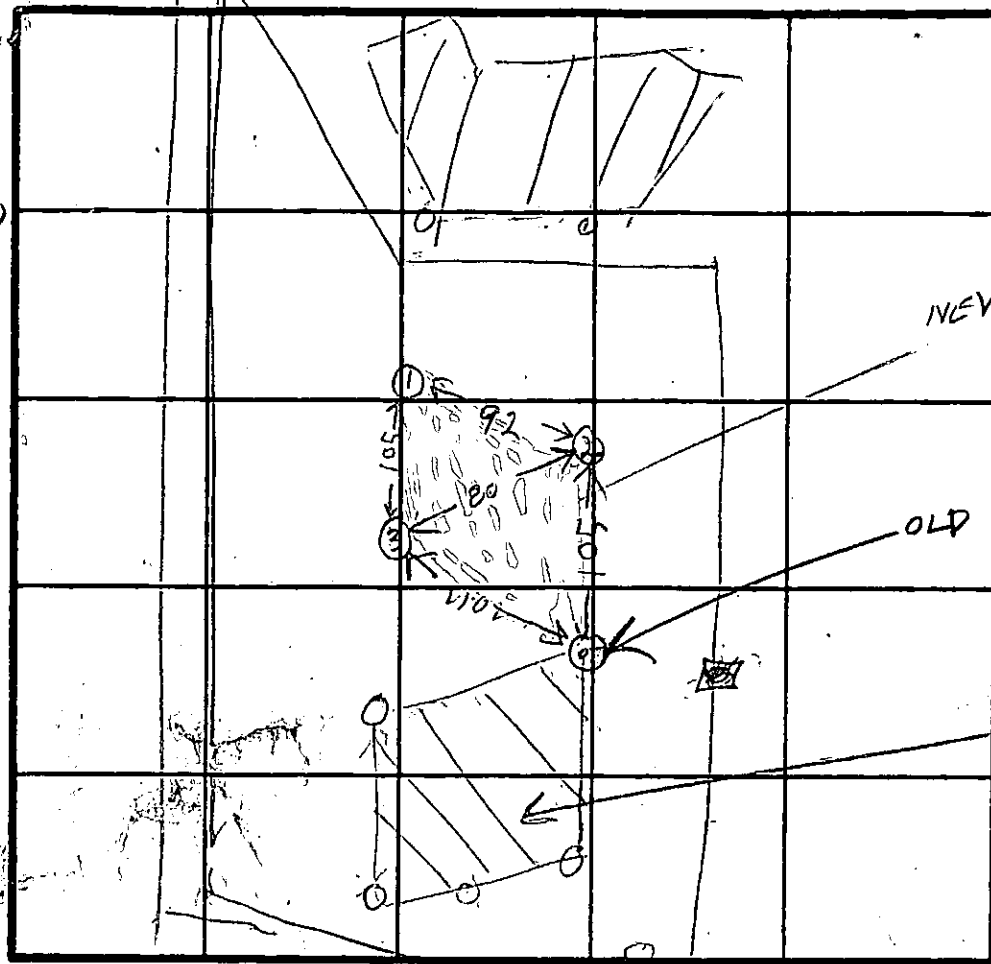
Serial # 41604

SEE PLAT

SOIL PROFILE

BROWN
CLAY

LIGHT
BROWN
SAND
LOAM



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

CLAY

LIGHT
BROWN
SAND
MUCK
LOAM

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8/11/90	1S	3.5	1112	1113	1113	1115	2
	1D	13.2	OK				
	2S	4.5	1120	1122	1124	1126	2
	2V	12	OK				
	3V	12	OK				

REMARKS

one old perc hole & 3 new perc holes used

TYPE OF SOIL

TESTED BY

Raymond Hodge

ALSO PRESENT

OKerman
John Kewer

APPLICATION

PERCOLATION TESTING

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 461-9933

PREVIOUS OK
ENGINEER TO CONFIRM
EXISTING WELL & SEPTIC LOCATION
PRIOR TO PERC DATE, 11/28/89 C.W. [unclear]
DISTRICT _____ DATE 11/28/89

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 GEORGE F. KIELMAN C/O LAND DESIGN & DEVELOPMENT, INC.

ADDRESS 8307 MAIN STREET, ELLICOTT CITY, MD. 21043 PHONE JOHN REUWER 461-4600

PROSPECTIVE BUYER N/A

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION KIELMAN PROPERTY LOT NO. 2 VACANT

ROAD AND DESCRIPTION 13071 TRIADAPHA RD
ELLICOTT CITY MD. 21043

TAX MAP 22 PARCEL # 400

SIZE OF LOT 3 ACRES +/- TYPE BLDG. SFD
(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.

John C. Reuwer 11/28/89
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE 1-2-90

REJECTED BY _____ FOR _____ DATE X

HOLD PENDING FURTHER TESTS _____ DATE _____

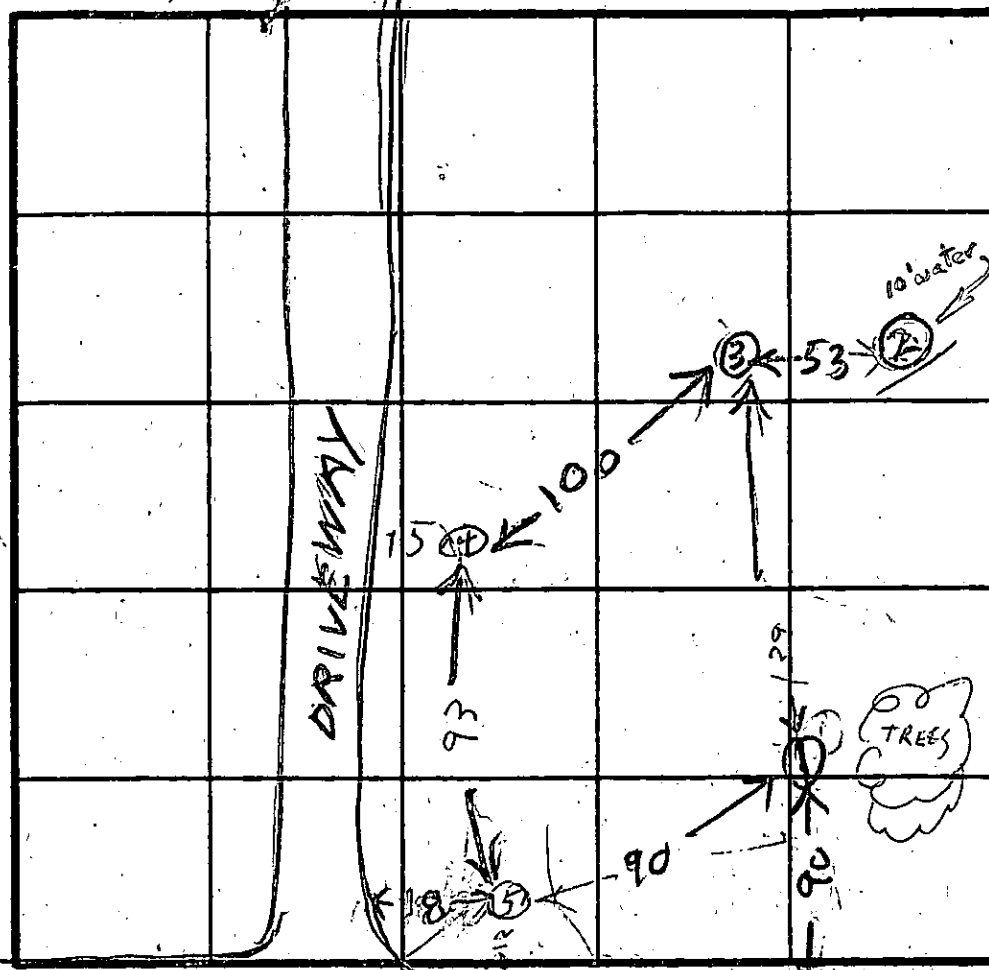
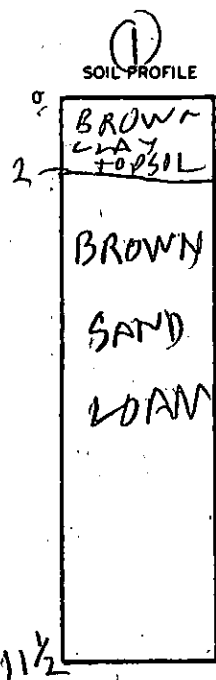
REASONS FOR REJECTION OR HOLDING 12/6/89 - PERC OK HOLD FOR PLAT
PROBABLY SYSTEM FIRST R.H.

3/13/90 PERC CERT. PLAT OR SYSTEM FIRST YES R/H

THIS IS NOT A PERMIT

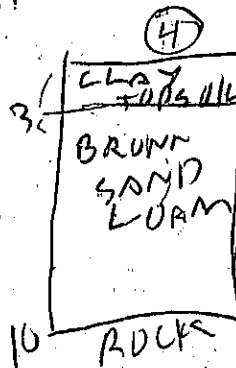
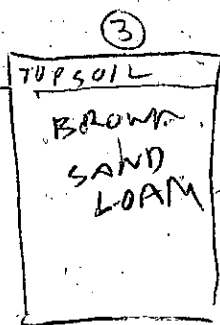
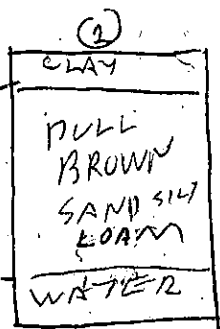
WATER WELL
UNDER PORCH

SEE TEST
PLA7



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

TRIDELPHIA RD



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12/6/79	15 1V	3.5 11.5	1058 OK	1059	1059	1101	2
	2V	10	WATER		SHALLOW		
	35 3V	2.5 11	1121 OK	1122	1122	1124	2
	45 4D	4 6.5	1130 1132	1133 1134	1133 1134	1134 1135	2 1
	4V	10	OK	SHALLOW			
	5V	12	OK				
	6		1113				

REMARKS

TYPE OF SOIL

TESTED BY

ALSO PRESENT Lee TRAINOR
OK

ALSO PRESENT

A45282

600

ROAD

TRIDEL PITA

FRO. HOUSE

WELL

304±

575

FRO SEPTIC AREA

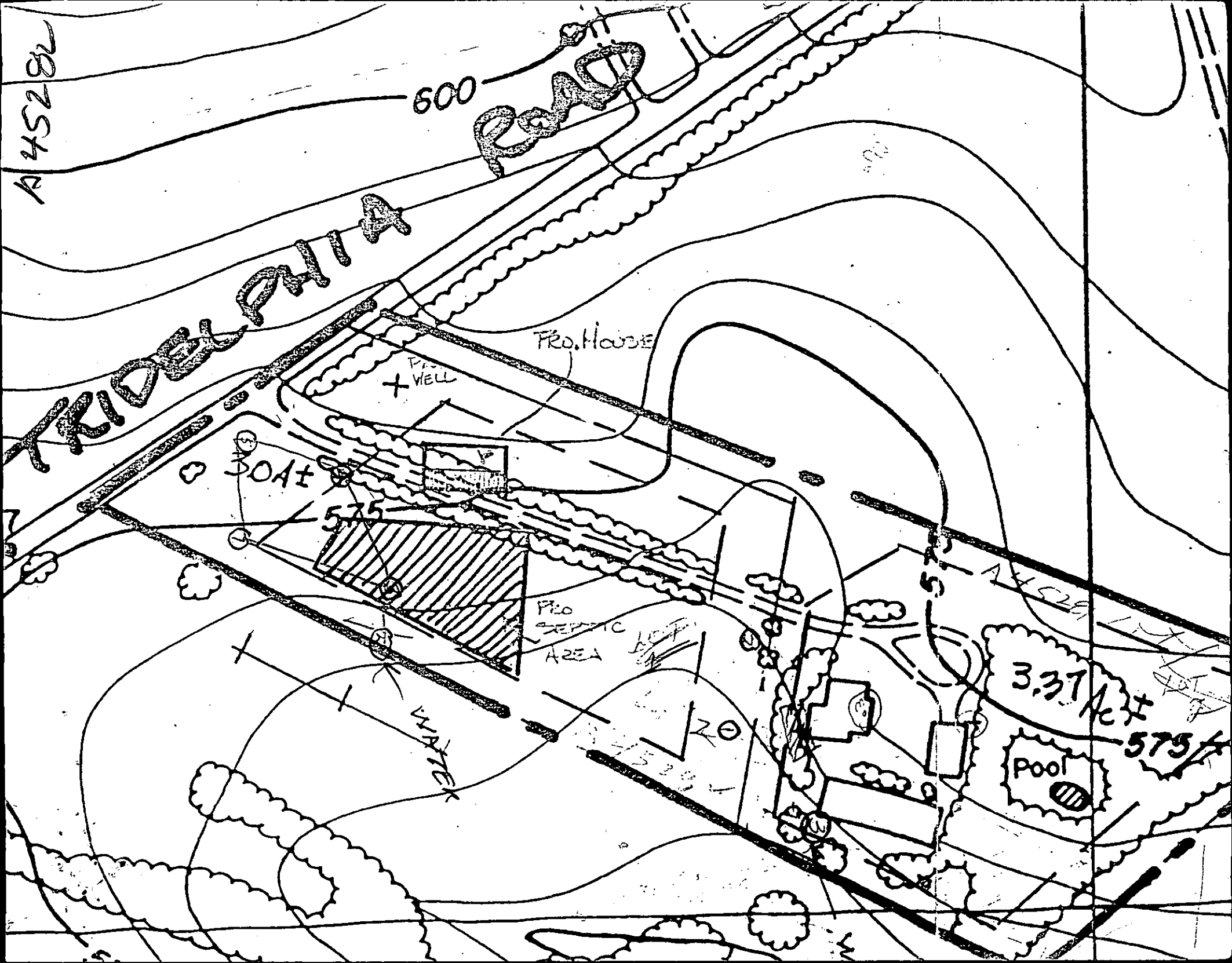
WATER

20

3.37 AC ±

575

POOL



C14663SEQUENCE 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.

COUNTY
NUMBERA45968

ST/CO USE ONLY.
DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO.
FROM "PERMIT TO DRILL WELL"

OWNER

STREET OR RFD

SUBDIVISION

SECTION

LOT

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
FROMTO

Check if water bearing

GROUTING RECORD

WELL HAS BEEN GROUTED

TYPE OF GROUTING MATERIAL

CEMENTBENTONITE CLAY

NO. OF BAGS

NO. OF ROUNDS

GALLONS OF WATER

DEPTH OF GROUT SEAL (to nearest foot)

fromft. toft.

CASING RECORD

STCO
STEELCONCRETE

PLOT
PLASTICOTHER

MAIN CASING TYPE

Nominal diameter top (main) casing (nearest inch)

Total depth of main casing (nearest foot)

OTHER CASING (if used)

diameter inch

depth (feet) fromto

SCREEN RECORD

screen type or open hole

STBRHO
STEELBRASSOPEN HOLE

PLOT
PLASTICOTHER

DEPTH (nearest ft.)

SLOT SIZE 123

DIAMETER OF SCREEN (NEAREST INCH)

fromto

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

TELESCOPE CASING

LOG INDICATOR

OTHER DATA

C3

PUMPING TEST

HOURS PUMPED (nearest hour)

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

METHOD USED TO MEASURE PUMPING RATE

WATER LEVEL (distance from land surface)

BEFORE PUMPING

WHEN PUMPING

TYPE OF PUMP USED (for test)

Aair

Ppiston

Tturbine

Ccentrifugal

Rrotary

Oother (describe below)

Jjet

Ssubmersible

PUMP INSTALLED

DRILLER WILL INSTALL PUMP (CIRCLE) (YES or 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)

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 26.04.04 "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.

DRILLERS SIGNATURE

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

C2

DEPTH (nearest ft.)

SLOT SIZE 123

DIAMETER OF SCREEN (NEAREST INCH)

fromto

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

TELESCOPE CASING

LOG INDICATOR

OTHER DATA

C3

PUMPING TEST

HOURS PUMPED (nearest hour)

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

METHOD USED TO MEASURE PUMPING RATE

WATER LEVEL (distance from land surface)

BEFORE PUMPING

WHEN PUMPING

TYPE OF PUMP USED (for test)

Aair

Ppiston

Tturbine

Ccentrifugal

Rrotary

Oother (describe below)

Jjet

Ssubmersible

PUMP INSTALLED

DRILLER WILL INSTALL PUMP (CIRCLE) (YES or 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 ABANDONMENT REPORT

DATE

11/27/91

Permit Number of abandoned well (if any) 40-88-1951

Driller's Name Mayne Joseph
Last First

Owner's Name Stewart Howard
Last First

Well Location:

County Howard
Subdivision KELMAN Lot 2
Section _____
Nearest Town Coleneh G

Maryland Grid Location

E	800
N	520

Show well location with (X)

	X

Type of Well

Drilled ☒

Jetted _____

Bored or Augered _____

Other, specify _____

Depth of Well 300 Feet

Type of Casing

Steel ☒

Plastic _____

Concrete _____

Other, specify _____

Size of casing 6 5/8 inches

Was any casing removed ☒ Yes _____ No _____
If yes, state amount removed 2'

Log of sealing material

Material	Feet	
	From	To
Gravel & Cement	0	300

Was casing ripped or perforated
Yes _____ No ☒

C1

4613

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

COUNTY
NUMBER

A45968

ST/CO USE ONLY
DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO.
FROM PERMIT TO DRILL WELL

8

13

15

20

22

26

28

29

30

31

32

33

34

35

36

37

OWNER

STEWART

HOWARD

last name

first name

TOWN

SUBDIVISION

KIELMAN PROP

SECTION

LOT 2

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

SAND

0

71

GRAY MICA
ROCK

71

300

✓

GRROUTING RECORD

WELL HAS BEEN GROUTED

TYPE OF GROUTING MATERIAL

CEMENT

BENTONITE CLAY

NO. OF BAGS

NO. OF POUNDS

GALLONS OF WATER

DEPTH OF GROUT SEAL (to nearest foot)

from

ft.

to

ft.

TOP

52

BOTTOM

58

(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)

51

6

75

60

61

63

64

66

67

68

69

70

OTHER CASING (if used)

diameter
inch

depth (feet)
from to

EACH
CASING

screen type
or open hole

insert
appropriate
code
below

ST

BR

HO

STEEL

BRASS

OPEN
HOLE

PL

OT

PLASTIC

OTHER

C2

DEPTH (nearest ft.)

1

2

8

9

11

15

17

21

23

24

26

30

32

36

38

39

41

45

47

51

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 26.04.04 "WELL CONSTRUCTION"
AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE
ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRE-
SENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF
MY KNOWLEDGE.

DRILLERS IDENT. NO.

238

DRILLERS SIGNATURE

(MUST MATCH SIGNATURE ON APPLICATION)

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

GRAPVEL 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.)

W.O.

70

72

74

75

76

TELESCOPE
CASING

LOG
INDICATOR

OTHER DATA

PUMPING TEST

HOURS PUMPED (nearest hour)

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

METHOD USED TO
MEASURE PUMPING RATE

WATER LEVEL (distance from land surface)

BEFORE PUMPING

WHEN PUMPING

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

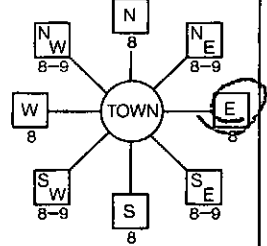
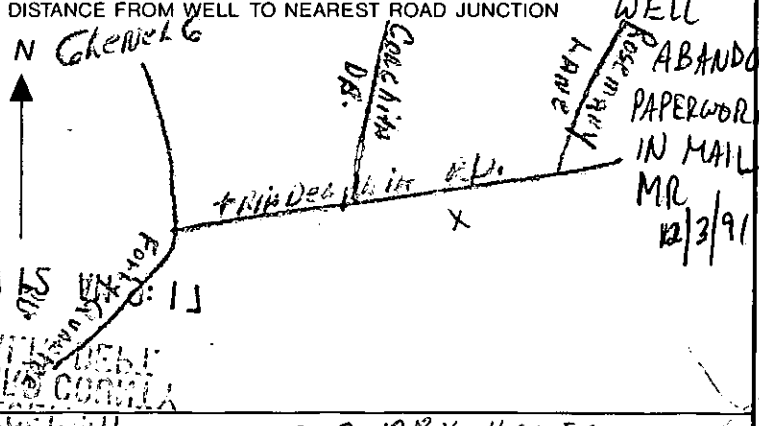
LAND SURFACE

(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)

B 1 3481 <small>(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)</small>	SEQUENCE NO. (DP USE ONLY) STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER HO-88-1951 <small>fill in this form completely</small>
OWNER INFORMATION Date Received (APA) 072691 Last Name STEWART Owner HOWARD First Name Street or RFD 83730 LD COLUMBIA RD Town LAUREL State MD Zip 20723		LOCATION OF WELL COUNTY HOWARD SUBDIVISION KIELMAN INDEPENDENT SECTION 2 LOT 2 NEAREST TOWN CLEVELAND MILES FROM TOWN (enter 0 if in town) 2 1/2 MI
DRILLER INFORMATION Driller's Name Joseph R. Mayne License No. 238 Firm Name Joseph R. Mayne WELL DRILLING Address 5512 Ridge Rd. Mt. Airy, Md. 21771 Signature Joseph R. Mayne Date 7/25/91		DIRECTION OF WELL FROM TOWN (CIRCLE BOX) NEAR WHAT ROAD Philadelphia Road ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) DISTANCE FROM ROAD 35 FT ENTER FT OR MI FT
WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 5 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL COUNTY NAME HOWARD COUNTY NO. A 45968 STATE SIGNATURE _____ DATE ISSUED 081691 CO SIGNATURE B. J. Dodge EXP. DATE 8/16/92 NORTH GRID 532000 EAST GRID 0809000
USE FOR WATER (CIRCLE APPROPRIATE BOX) <input checked="" type="checkbox"/> HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) <input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input type="checkbox"/> INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) <input type="checkbox"/> PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) <input type="checkbox"/> TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)		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 8099 N 5223
APPROXIMATE DEPTH OF WELL 280 FEET APPROXIMATE DIAMETER OF WELL 6 INCH METHOD OF DRILLING (circle one) BORED (or Augered) <u> </u> JETTED <u> </u> Jetted & DRIVEN AIR-ROTARY <u> </u> AIR-PERCussion <u> </u> ROTARY (Hydraulic Rotary) CABLE <u> </u> REVERSE-ROTARY <u> </u> Drive-POINT other _____		DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) <input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY <input type="checkbox"/> THIS WELL WILL DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) _____		Not to be filled in by driller (OEP USE ONLY) APPROP. PERMIT NUMBER HO-88-1951 FORCE RH WRITE INITIALS IN BOX PERMIT No. HO-88-1951 SPECIAL CONDITIONS _____

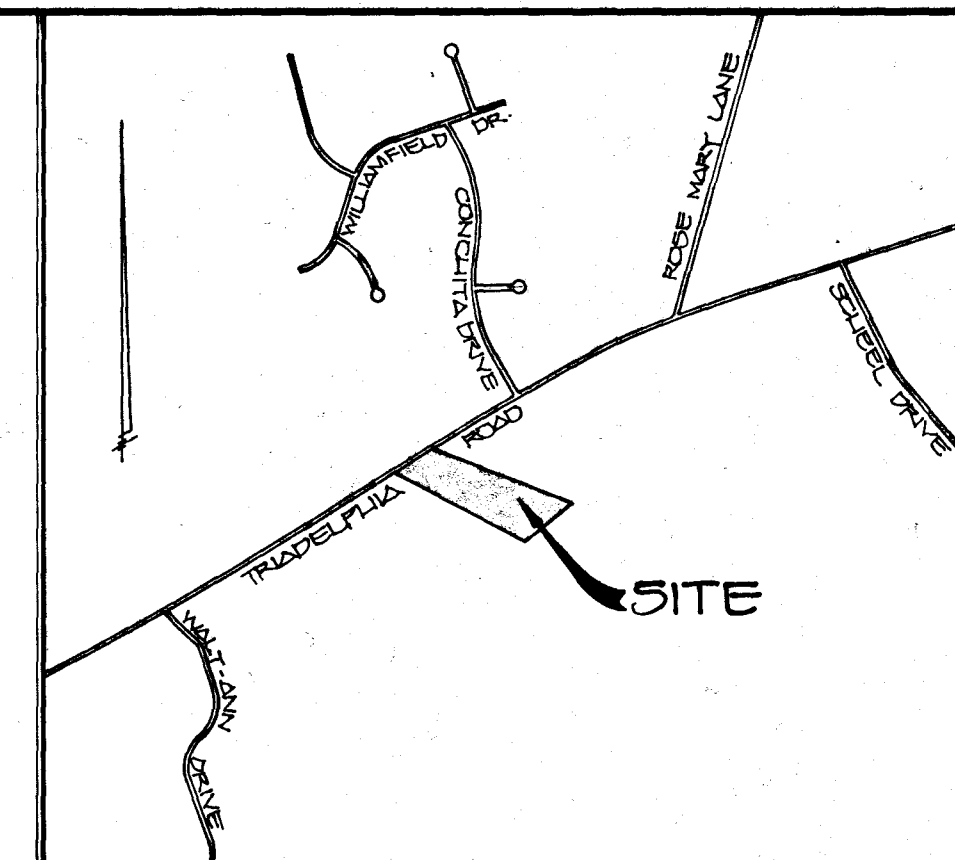
B 1 5568 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)	SEQUENCE NO. (DP USE ONLY) STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER HO-PR-2000 <small>fill in this form completely</small>
OWNER INFORMATION Date Received (APA) 11/12/91 STEWART HOWARD 15 Last Name 34 Owner First Name 8373 OLD COLUMBIA RD 36 Street or RFD 55 LAUREL MD 20923 57 Town 70 State 72 Zip 76		LOCATION OF WELL HOWARD 8 COUNTY 21 KIELMAN PROPERTY 23 SUBDIVISION 42 SECTION 44 LOT 2 44 46 48 50 GLENELE 52 NEAREST TOWN 71 MILES FROM TOWN (enter 0 if in town) 2.5 MI 73 76 77 78
DRILLER INFORMATION Joseph L. Maune 238 Driller's Name 77 License No. 80 Joseph L. Maune Well DRILLING Firm Name 3512 Ridge RD. Mt. Airy 21771 Address Joseph L. Maune 11/12/91 Signature Date		B 3 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  TRIADELPHIA RD. 11 NEAR WHAT ROAD 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH N WEST W EAST E SOUTH S 34 35 37 DISTANCE FROM ROAD ENTER FT or MI FA 38 39
B 2 WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 5 8 12 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500 14 20		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL 45968 COUNTY NAME PRINCE GEORGES COUNTY NO. 11 STATE SIGNATURE MAUNE INSERT S DATE ISSUED 5/12/92 43 48 50 SIGNATURE EXP. DATE NORTH GRID 524000 EAST GRID 0809000 50 55 57 63
USE FOR WATER (CIRCLE APPROPRIATE BOX) <input checked="" type="checkbox"/> HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) <input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input type="checkbox"/> INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) <input type="checkbox"/> PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) <input type="checkbox"/> TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)		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 80X9 N 52X4 000 000
APPROXIMATE DEPTH OF WELL 300 FEET 24 28 APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST INCH		DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION  ORIG WELL ABANDONED PAPERWORK IN MAIL MR. 12/3/91
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) <input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY <input type="checkbox"/> THIS WELL WILL DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 11 52
Not to be filled in by driller (OEP USE ONLY) APPROP. PERMIT NUMBER GAP 54 63 FORCE MR WRITE INITIALS IN BOX PERMIT No. HO-PR-2000 67 68 70 71 72 73 74 75 76 77 78 79		SPECIAL CONDITIONS Notes { 2 DRY HOLES TO BE FILLED IN. }

COORDINATE TABULATION		
POINT	NORTH	EAST
156	523385.956	809141.935
157	522947.626	809957.109
158	523166.902	810237.156
159	523201.537	810227.301
202	523369.517	809172.508
232	523524.265	809424.760

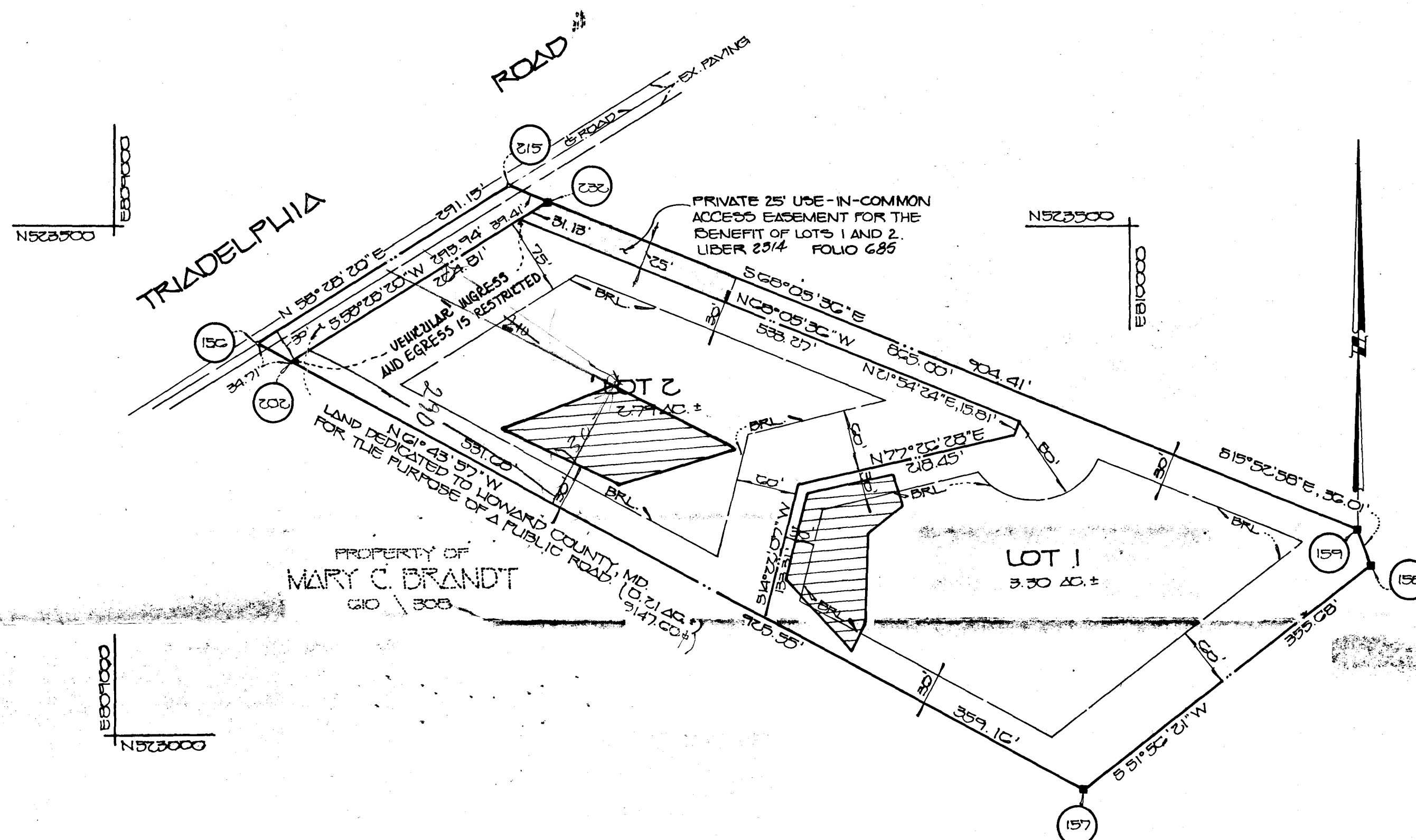
NOTE:

FOR FLAG OR PIPE STEM LOTS, REFUSE COLLECTION SNOW REMOVAL AND ROAD MAINTENANCE TO BE PROVIDED AT THE JUNCTION OF FLAG OR PIPE STEM AND THE ROAD R/W AND NOT ONTO THE FLAG OR PIPE STEM DRIVEWAY.

PIPESTEM TABULATION & MINIMUM LOT SIZE				
LOT NO.	TOTAL LOT AREA	PIPESTEM AREA	BUILDABLE LOT AREA	ROAD WIDENING
1	3.30 AC. ±	0.30 AC. ± (18,028 sq ft)	3.00 AC. ±	0
2	2.79 AC. ±	0	2.79 AC. ±	0.21 AC. ±



VICINITY MAP
SCALE: 1" = 1200'



PROPERTY OF
MARY C. BRANDT
G10 / 308

GENERAL NOTES

- SUBJECT PROPERTY ZONED R AS PER 8/2/85 COMPREHENSIVE ZONING PLAN.
- THE COORDINATES SHOWN HEREON ARE BASED ON THE MARYLAND STATE GRID SYSTEM AND DERIVED FROM THE FOLLOWING HOWARD COUNTY CONTROL STATIONS.
3135004 N 522800.289
3236001 E 808205.979
N 523864.679
E 809873.208
- B.R.L. DENOTES BUILDING RESTRICTION LINE.
- ⊙ DENOTES IRON PIN CAPPED "PCC 10692" SET.
- DENOTES CONCRETE MONUMENT SET.
- THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENTS. DEDICATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT
- PLAT SUBJECT TO WP-90-109 FROM SECTION 16.115.B.4...
1) TO ALLOW THE REDUCTION OF THE PIPESTEM WIDTH FROM 50 FEET TO 25 FEET APPROVED 5/14/1990.
2) WP-91-21 FROM SECTION 16.113.F.7 TO ALLOW DIRECT ACCESS ONTO A MAJOR COLLECTOR APPROVED 10/23/1990.
- EXISTING RESIDENTIAL UNIT ON LOT NO. 1.
- THE ACREAGE FOR LOT NO. 2 COMPLY WITH PROVISIONS OF SECTION 16.113.C.5 OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS WHICH ALLOWS A 10% REDUCTION OF THE MINIMUM LOT SIZE OF LOT NO. 2 DUE TO THE AMOUNT OF PUBLIC ROAD DEDICATION ALONG TRIADELPHIA ROAD.

AREA TABULATION

TOTAL NUMBER OF BUILDABLE LOTS TO BE RECORDED	2
TOTAL NUMBER OF OPEN SPACE LOTS TO BE RECORDED	0
TOTAL NUMBER OF LOTS TO BE RECORDED	2
TOTAL AREA OF BUILDABLE LOTS TO BE RECORDED	6.09 AC. ±
TOTAL AREA OF OPEN SPACE LOTS TO BE RECORDED	0.00 AC. ±
TOTAL AREA OF ROADWAY TO BE RECORDED	0.21 AC. ±
TOTAL AREA TO BE RECORDED	6.30 AC. ±

GENERAL NOTES CONTINUED

- DRIVEWAYS SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING (MINIMUM) REQUIREMENTS:
a) WIDTH - 16 FEET;
b) SURFACE - SIX (6") INCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING;
c) STRUCTURE CLEARANCE - MINIMUM 12 FEET;
d) MAINTENANCE - SUFFICIENT TO INSURE ALL WEATHER USE.

OWNER & DEVELOPER

GEORGE F. KIELMAN
ELAINE C. KIELMAN
13071 TRIADELPHIA ROAD
ELLICOTT CITY, MARYLAND 21043

FISHER, COLLINS & CARTER, INC.

CIVIL ENGINEERING CONSULTANTS &
LAND SURVEYORS
SUITE 100, 9171 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21043
(301) 481 - 2855

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY DEPARTMENT OF HEALTH.

Joseph M. Boyd 4-26-91
COUNTY HEALTH OFFICER DATE
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

James H. Keith 8/14/91
DIRECTOR DATE
APPROVED: FOR STORM DRAINAGE SYSTEMS, AND PUBLIC ROADS.
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

James P. Keith 5/10/91
DIRECTOR DATE

OWNER'S CERTIFICATE

WE, GEORGE F. KIELMAN AND ELAINE C. KIELMAN, OWNERS OF THE PROPERTY SHOWN AND DESCRIBED HEREON, HEREBY ADOPT THIS PLAN OF SUBDIVISION, AND IN CONSIDERATION OF THE APPROVAL OF THIS FINAL PLAT BY THE DEPARTMENT OF PLANNING AND ZONING, ESTABLISH THE MINIMUM BUILDING RESTRICTION LINES AND GRANT UNTO HOWARD COUNTY, MARYLAND, ITS SUCCESSORS AND ASSIGNS, (1) THE RIGHT TO LAY, CONSTRUCT AND MAINTAIN SEWERS, DRAINS, WATER PIPES AND OTHER MUNICIPAL UTILITIES AND SERVICES IN AND UNDER ALL ROADS OR STREET RIGHTS-OF-WAY AND THE SPECIFIC EASEMENT AREAS SHOWN HEREON; (2) THE RIGHT TO REQUIRE DEDICATION FOR PUBLIC USE THE BEDS OF THE STREETS AND/OR ROADS AND FLOOD PLAINS AND OPEN SPACE WHERE APPLICABLE AND FOR GOOD AND OTHER VALUABLE CONSIDERATION, HEREBY GRANT THE RIGHT AND OPTION TO HOWARD COUNTY TO ACQUIRE THE FEE SIMPLE TITLE TO THE BEDS OF THE STREETS AND/OR ROADS AND FLOOD PLAINS, STORM DRAINAGE FACILITIES AND OPEN SPACE WHERE APPLICABLE; (3) THE RIGHT TO REQUIRE DEDICATION OF WATERWAYS AND DRAINAGE EASEMENTS FOR THE SPECIFIC PURPOSE OF THEIR CONSTRUCTION, REPAIR AND MAINTENANCE; AND (4) THAT NO BUILDING OR SIMILAR STRUCTURE OF ANY KIND SHALL BE ERECTED ON OR OVER THE SAID EASEMENTS AND RIGHTS-OF-WAY.

WITNESS MY HAND THIS 20 DAY OF April, 1991
George F. Kielman
Elaine C. Kielman

George F. Kielman
Elaine C. Kielman
WITNESS
John C. Kielman
WITNESS

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT; THAT IT IS A SUBDIVISION OF ALL OF THE LANDS CONVEYED BY WILLIAM A. MITCHELL AND VIRGINIA K. MITCHELL, HIS WIFE, TO GEORGE F. KIELMAN AND ELAINE C. KIELMAN, HIS WIFE, BY DEED DATED MAY 29, 1984 AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN LIBER NO. 1254 AT FOLIO 434, AND THAT ALL MONUMENTS ARE IN PLACE OR WILL BE IN PLACE PRIOR TO ACCEPTANCE OF THE STREETS IN THE SUBDIVISION BY HOWARD COUNTY AS SHOWN IN ACCORDANCE WITH THE ANNOTATED CODE OF MARYLAND, AS AMENDED.

Terrell A. Fisher 4/26/91
TERRELL A. FISHER, L.S. #10692 DATE

RECORDED AS PLAT NO. 10032 ON August 20, 1991 AMONG THE LAND RECORDS OF HOWARD COUNTY, MD.

KIELMAN PROPERTY
LOTS 1 & 2

TAX MAP: 22 PARCEL: 400
THIRD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE: 1" = 100' DATE: APRIL 22, 1991
SHEET 1 OF 1
F-90-191

N 524,000

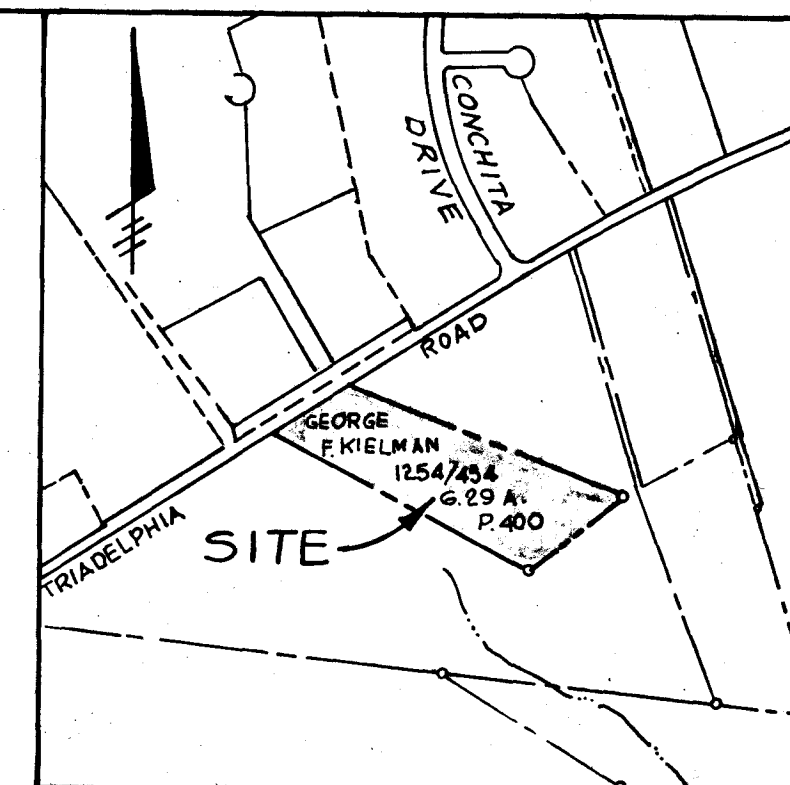
E 809,000

APPROVED FOR PRIVATE WATER AND PRIVATE
SEWERAGE SYSTEMS, HOWARD COUNTY DEPARTMENT
OF THE ENVIRONMENT.

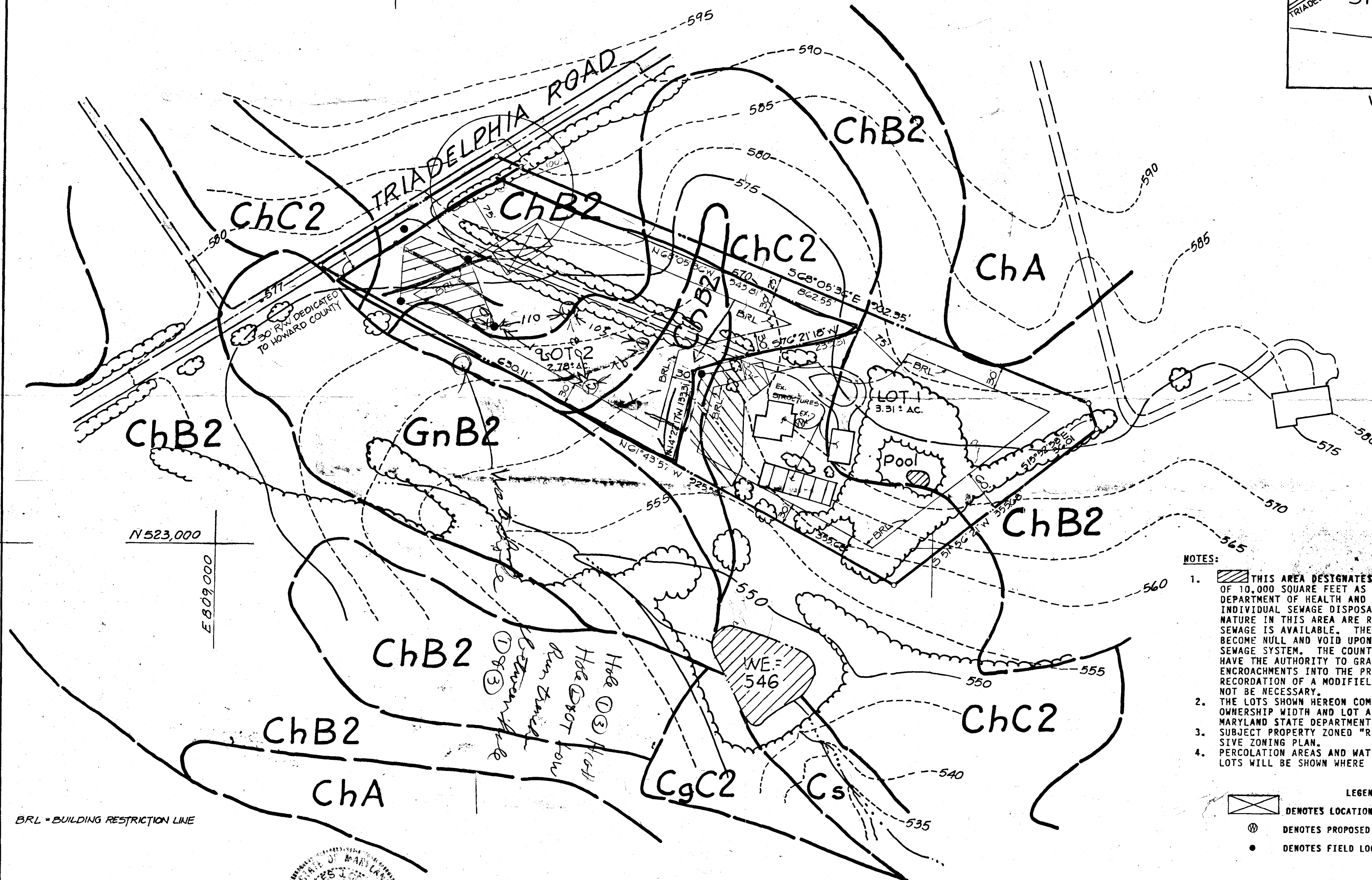
Joan Zander 3-16-90
COUNTY HEALTH OFFICER DATE

N 524,000

E 810,000



VICINITY MAP
SCALE: 1" = 600'



NOTES:

1. THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED MARYLAND STATE DEPARTMENT OF HEALTH AND MENTAL HYGIENE FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
2. THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
3. SUBJECT PROPERTY ZONED "R" PER 10/3/77 COMPREHENSIVE ZONING PLAN.
4. PERCOLATION AREAS AND WATER WELLS FOR ADJOINING LOTS WILL BE SHOWN WHERE PERTINENT.

LEGEND

- ⊠ DENOTES LOCATION OF DWELLING
- ⊙ DENOTES PROPOSED WELL
- DENOTES FIELD LOCATION OF PERC HOLES

BRL = BUILDING RESTRICTION LINE

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERS & LAND SURVEYORS
8380 COURT AVENUE
ELLICOTT CITY, MARYLAND 21043
TEL: (301) 461-2855



CHARLES J. CROVO SR. DATE 2/27/90

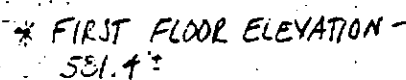
OWNER
GEORGE F. & ELAINE C. KIELMAN
13071 TRIADELPHIA ROAD
ELLICOTT CITY, MD. 21043

DEVELOPER
MR. JOHN REUWER
C/O LAND DESIGN & DEVELOPMENT INC.
ELLICOTT CITY MD. 21043

PERC CERTIFICATION
KIELMAN PROPERTY
THIRD ELECTION DISTRICT HOWARD COUNTY MARYLAND
TAX MAP 22 PARCEL 400
SCALE: 1" = 100' FEBRUARY 26, 1990

*field notes
signed with old S.P.A.
& new test*

LANDTECH ASSOCIATES, INC.
1410 CRAIN HIGHWAY N.W. SUITE 78
GLEN BURNIE, MARYLAND 21061
(301) 768-2121



Proposed garage
location OK
as shown

JKS

PROPOSED 2 CAR
GARAGE - WOOD FRAME
CONCRETE BLOCK
FOUNDATION
SIZE: 26 FT WIDE X
32 FT LONG



BRADEN A. ROGERS - PROPY. L.B. MD. LIC. NO. 119

FLAT BOOK _____ PAGES _____

OWNERS

SCALE 1"=100' CASE NO. HOWARD
DATE 5-19, 1993 JOB NO. MSC92965