

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 57301

A 50203B

DISTRICT 5th

DATE 9-30-96

DATE SYSTEM APPROVED 1-7-97

INSPECTOR [Signature]

05-49638

INDEXED

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXXXX~~ 313-2640

Greg Ziegler IS PERMITTED TO INSTALL ALTER

ADDRESS 5968-7 Turnabout Lane, Columbia, MD 21044 PHONE 730-1639

SUBDIVISION Goshen Property LOT 1 ROAD 14701 Triadelphia Road

PROPERTY OWNER ~~Dr. and Mrs. Robert Goshen~~ Greg Ziegler

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 180

TRENCHES - Trench to be 2 feet wide. Inlet 4½ feet below original grade. Bottom maximum depth 8½ feet below original grade. Effective area begins at 4½ feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Place the distribution box 190 feet from the front lot line and 50 feet from the left lot line. Run trenches on contour in both directions.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. *OK 9/10/96 DKS*

PLANS APPROVED BY Mark Rifkin/Glen Savage DATE 08/28/96

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 IN LENGTH

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

BLDG. PERMIT SIGNED

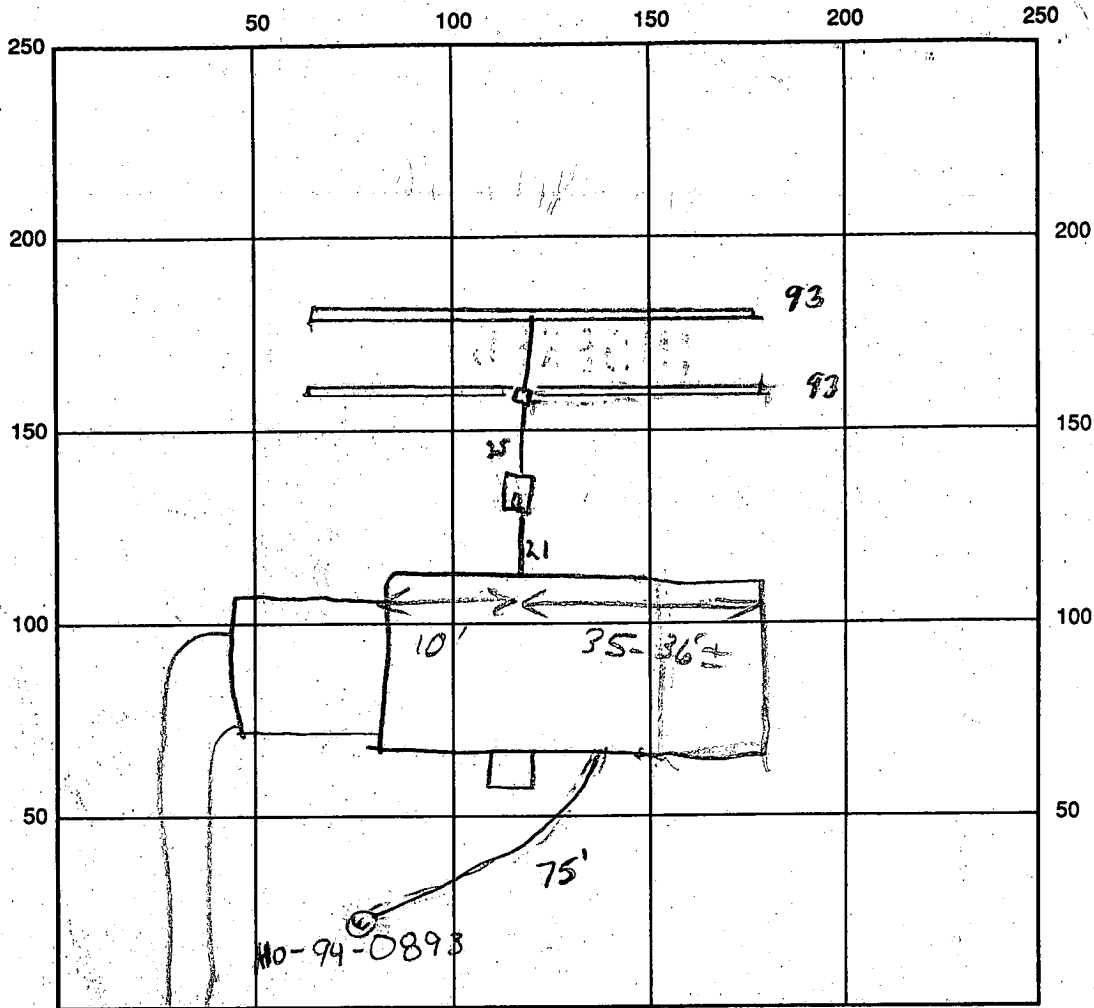
AND RETURNED 4-26-99

Serial # 210117226

dick

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

A 50203-B



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE
 TRIADOLPHIA ROAD

SEPTIC TANK LEVEL OK CLEANOUTS LOW TANK

DISTRIBUTION BOX LEVEL OK

DRAIN FIELD/TITLE DEPTH 8.5 FT. TRENCH WIDTH 2 FT. INLET DEPTH 4.5 FT.

EFFECTIVE GRAVEL DEPTH 4 FT. TOTAL LENGTH 186 FT.

NUMBER OF TRENCHES 4 ONE SIDEWALL/BOTTOM AREA 794 SQ. FT.

DRYWALL INSIDE DIAMETER 1 FT. EFFECTIVE DEPTH BELOW INLET 1 FT.

ABSORBENT AREA 1 SQ. FT.

REMARKS: 1/7/97 TRENCHES PARTIALLY DONE, OK TO CONTINUE. 1/7/97 OK TO COVER ALL WORK.

DATE SYSTEM APPROVED 1/7/97 INSPECTOR [Signature]

APPLICATION

PERCOLATION TESTING

A 50203B

P _____

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

DISTRICT 4TH

DATE 8/9/94

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 Robert Goshen
ADDRESS 14831 Triadelphia Road
Glenelg, Maryland 21737 PHONE (410) 964-9484

AGENT OR PROSPECTIVE BUYER _____
ADDRESS _____ PHONE _____

PROPERTY LOCATION: _____
SUBDIVISION Goshen Property LOT NO. 1 SFD-4Bm

ROAD AND DESCRIPTION East side of Triadelphia Road just north of Michele Drive.
(14701 Triadelphia Road)

TAX MAP 27 PARCEL # 93

SIZE OF LOT 43,600 SQ FT TYPE BLDG. Single Family Dwelling
(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.

[Handwritten Signature]
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING PERC OR, HOLD FOR PLAT MR 10/6/94

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

A-50203 B

COUNTY #

SOIL PROFILE

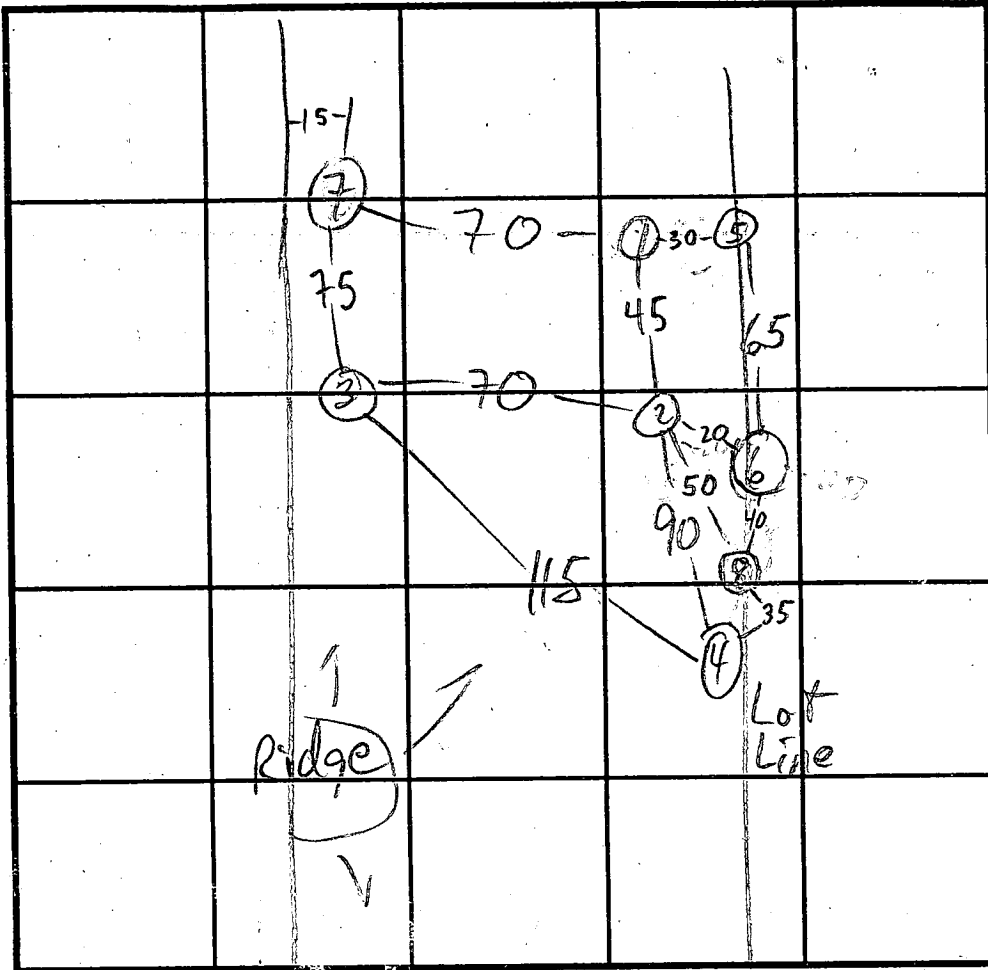
0' (2)
red org
si cl
1m
10-15% frags
6
tan org
si 1m
10-15% frags
11 1/4"

(7)(8)

red org
si cl
1m
1/2
fine
tan
sand
loam
10-15% frags
122
12 1/4"

(5)(6)

ALL
RED
CLAY



SOIL PROFILE

0' (2)
red org
si cl
1m
4
cl patches
tan org
sa si
loam
10% frags
12 1/2"

(4)
brn red
si cl loam 1/2
tan sa
si loam
10-15% frags 1/4"

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9/28/94	1S	4'9"	1:17	1:21	1:21	1:25	4
	1V	12'9"					
	2S	6 1/2"	1:56	2:02	2:02	2:13	11
	2V	6 11/16"					
	6V	8 1/2"	ALL	RED	CLAY	FAIL	
	3S	NORTH 6 1/2" SOUTH 4 1/2"	2:09 2:27	2:15 2:34	2:15 2:34	2:47 FAIL	13
	3V	12 1/2"					
	7S	4'2" 12 1/2"	2:18	2:19	2:19	2:20	1
	5V	10 1/2"	ALL	RED	CLAY	FAIL	
	8S	5 1/2"	2:43 2:45:00	2:44:00 2:46:15	2:44:00 2:46:15	2:44:45 2:47:30	45 sec 1mint
	8V	12 1/2"					

REMARKS 4 S 4 1/2 12:55 12:58 12:58 1:07 9
 TYPE OF SOIL 4 V 14 20% frags 11-14
 TESTED BY M. Riffin USE (1)(2)(3)(4)(5)(6) ALSO PRESENT Fyock crew, owner TSA dev per
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 6 TRENCH WIDTH 2
 INLET DEPTH 4 1/2 MAXIMUM BOTTOM DEPTH 8 1/2 SQ. FT./BEDROOM 180

8 1/2 -
10 1/2

C1 7801 SEQUENCE NO. (MDE 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 **A50203B**

ST/CO USE ONLY
 DATE RECEIVED

DATE WELL COMPLETED
 082296

Depth of Well
 150 (TO NEAREST FOOT)

PERMIT NO.
 FROM "PERMIT TO DRILL WELL"
 HO-94-0893

OWNER **Ziegler Greg**
 STREET OR RFD **Triadelphia Rd** TOWN **Glenn**
 SUBDIVISION **GOSHEN PROP** SECTION **1** LOT **1**

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	
Overburden	0	10	
Brown Shale	10	34	
Granite	34	150	x

water was encountered at 60 & 120'

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**
 TYPE OF GROUTING MATERIAL (Circle one)
 CEMENT **CM** BENTONITE CLAY **BC**
 NO. OF BAGS **10** NO. OF POUNDS **1000**
 GALLONS OF WATER **600**
 DEPTH OF GROUT SEAL (to nearest foot)
 from **0** ft. to **38** ft.
 (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below
ST STEEL **CO** CONCRETE
PL PLASTIC **OT** OTHER
 MAIN CASING TYPE
 Nominal diameter top (main) casing (nearest inch) **6**
 Total depth of main casing (nearest foot) **38**

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

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

NUMBER OF UNSUCCESSFUL WELLS: **0**
 WELL HYDROFRACTURED **Y** **N**

CIRCLE APPROPRIATE LETTER
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.

TYPE: MWD/MSD/MGD **300**
 DRILLERS LIC. NO. **300**

DRILLERS SIGNATURE
 LIC. NO. **MSD017**

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

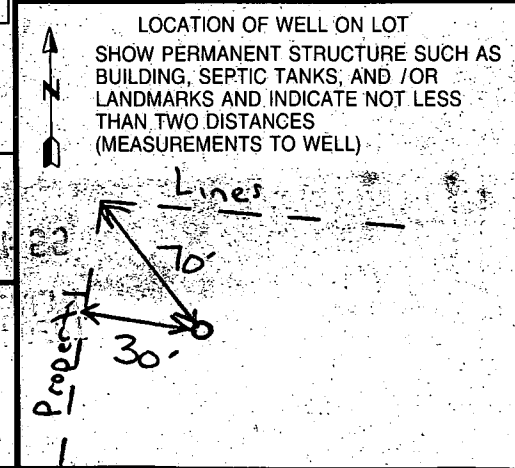
C2
 DEPTH (nearest ft.)
 1 **40** 2 **38** 3 **150**
 SLOT SIZE 1 _____ 2 _____ 3 _____
 DIAMETER OF SCREEN _____ (NEAREST INCH)

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)
 T (E.R.O.S.) W Q
 TELESCOPE CASING LOG INDICATOR OTHER DATA

C3
PUMPING TEST
 HOURS PUMPED (nearest hour) **3**
 PUMPING RATE (gal. per min.) **20.0**
 METHOD USED TO MEASURE PUMPING RATE **Submersible**
 WATER LEVEL (distance from land surface)
 BEFORE PUMPING **26** ft.
 WHEN PUMPING **31** ft.
 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) **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)
 PUMP HORSE POWER
 PUMP COLUMN LENGTH (nearest ft.)
 CASING HEIGHT (circle appropriate box and enter casing height)
 LAND SURFACE (nearest foot)



224-97

WPI ok to cover
w/ull line KM

HOWARD COUNTY HEALTH DEPARTMENT
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Ellicott City, MD 21043
~~451-8888~~

Call for inspection
313-2640

2/24/97
ASAP
Fax
313-2640

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation
Replacement

Receipt # _____
Date _____

Name of Installer CATONS Plumbing + Heating

Telephone 747-2293

License Number 3104

Certified Well Pump Installer 3104 Well Driller _____ Registered Plumber 3104

Name of Property Owner GREG ZIEGLER

Telephone 730-1639

Subdivision 14761 Philadelphia Rd Lot 6

Well Tag # HQ-34-0893

Site Address Ellicott City MD 21137

Pump

- 1. Type
 - a. Deep well jet _____
 - b. Shallow well jet _____
 - c. Submersible

Motor

- 1. Horsepower 3/4
- 2. RPM 3450
- 3. Voltage _____
 - a. 110 _____
 - b. 220

Pitless Adapter

- 1. Make HARVARD
- 2. Model # B.F. 800
- 3. Depth 42"

2. Make JACURRI

3. Model # T-784712B

4. Capacity 7 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 _____

Tank

- 1. Capacity 2X25'
- 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 150 ft.
- 2. Yield 20 GPM
- 3. Static water level 26.5 ft.
- 4. Will water supply be disinfected by installer?

2-24-97
P.A. 48" below grade needs safety line
casing 1" above grade placed inside casing
2 piece watertight cap KM

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: [Signature]

Date: 2/13/97

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

PREMIERS ESTATE
PLAT NO. 1400
ZONED RC

N 576500

LAND DEDICATED TO
HOWARD COUNTY, MD
FOR THE PURPOSE
OF A PUBLIC ROAD
(0.62 ACRES)

WOODFIELD
LOT 10
PLAT NO. 8290
ZONED RC

Final Signed Copy

I.P. CALLED
854/644
(NOT FND.)
P.O.B.

WOODFIELD LANE

ROAD

TRIADELPHIA

TRIADELPHIA
(PUBLIC ROAD - MINOR COLLECTOR)

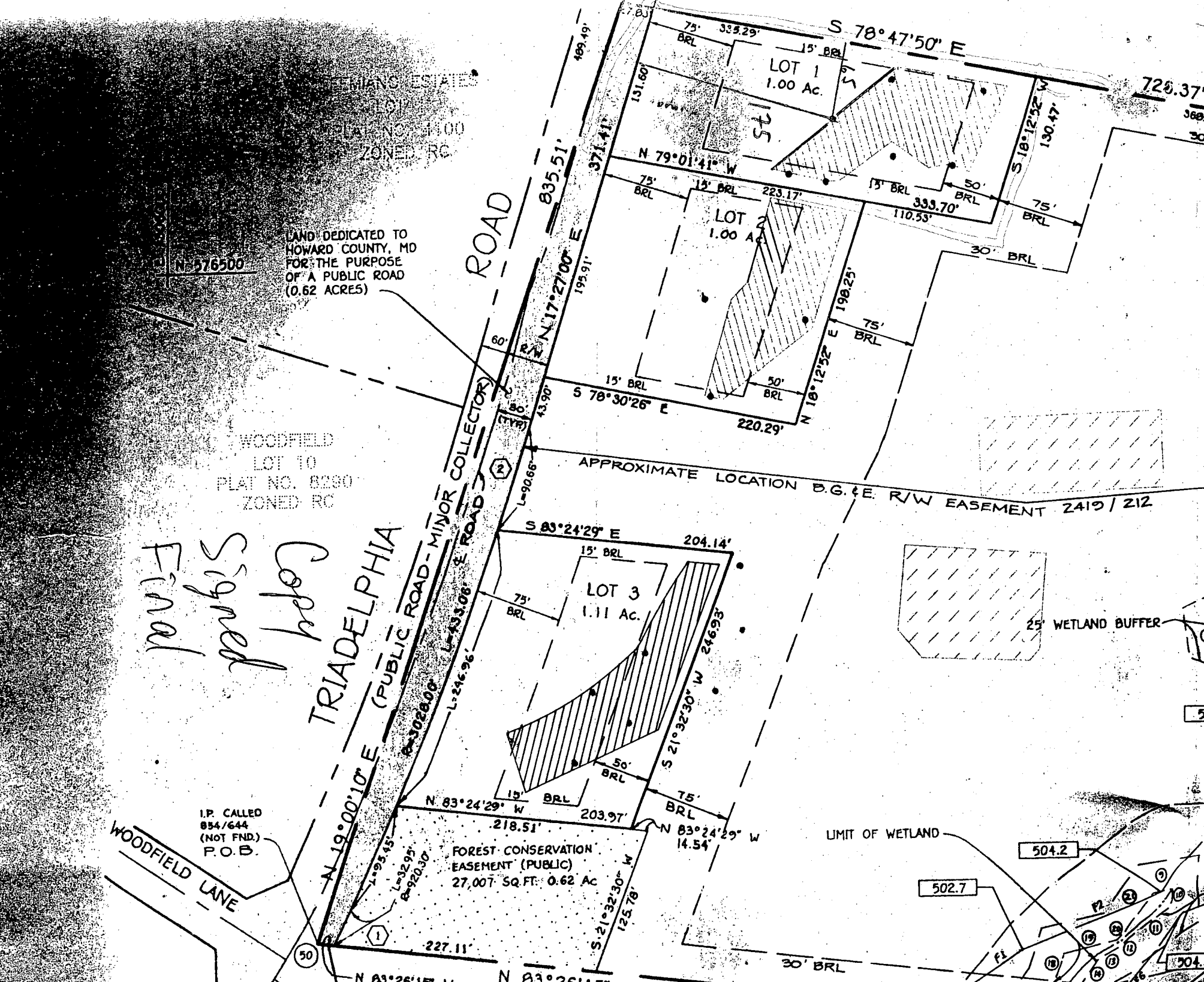
ROAD

FOREST CONSERVATION
EASEMENT (PUBLIC)
27,007 SQ. FT. 0.62 AC

APPROXIMATE LOCATION B.G. & E. R/W EASEMENT 2419/212

25' WETLAND BUFFER

LIMIT OF WETLAND



LOT 1
1.00 AC

LOT 2
1.00 AC

LOT 3
1.11 AC

726.37'

369.4

30

504.2

502.7

504.2



670/109
ZONED RC

540

535

ESTATES

#100
RC

*Copy
stopped
Revised
part of*

MIC2

ROAD

530

PROP. WELL

HOUSE

LOT 1
43,560
sq. ft.

N. 70° 47' 51" W

725.53'

PROP. WELL

HOUSE

LOT 2
43,560
sq. ft.

APPROXIMATE LOCATION
EX. 10,000 SF
SEPTIC AREA
(APP. #16100)

LOT 4
16.29 acres

GnB2
HYDRIC SOIL

EKB2

MIC3

TRIADDELPHIA

(PUBLIC ROAD)

GIB2

PROP. WELL

HOUSE

LOT 3
49,000 sq. ft.

EX. 1,000 GAL.
SEPTIC TANK

EX. SHED

EX. COTTAGE

EX. STABLE

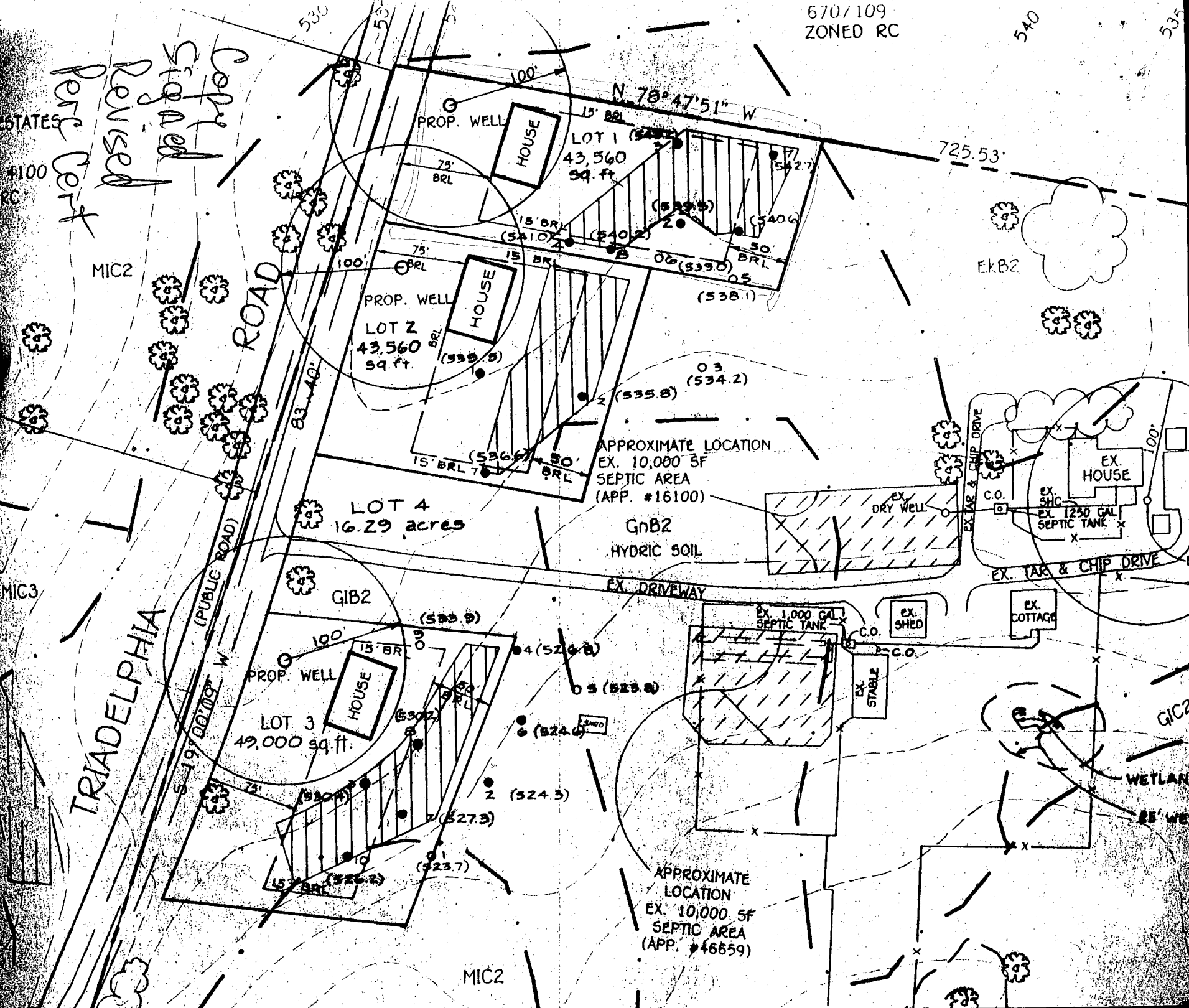
APPROXIMATE
LOCATION
EX. 10,000 SF
SEPTIC AREA
(APP. #46659)

MIC2

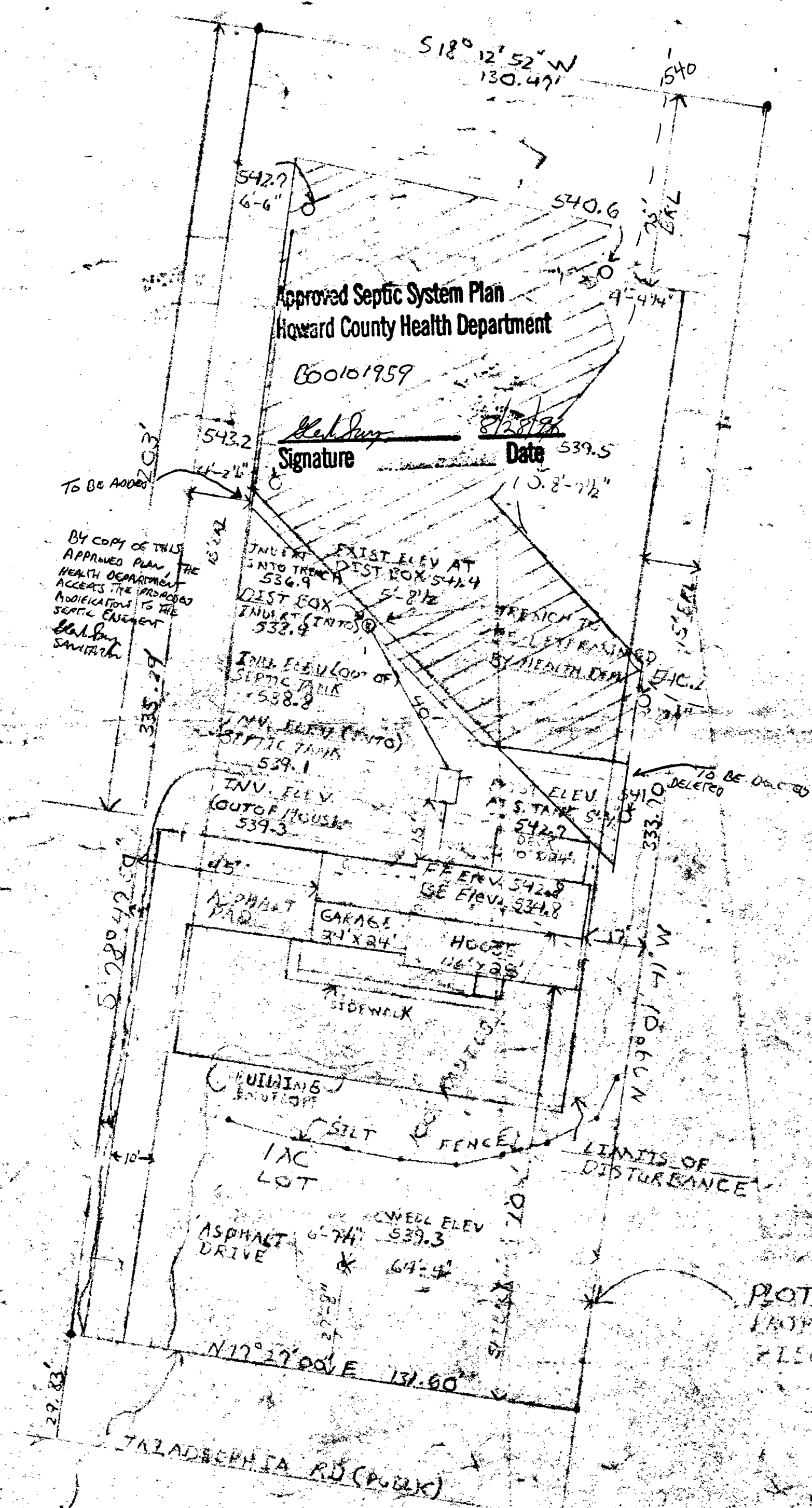
WETLAND

25' WET

GIC2



PROPERTY OF
KENNETH WARFIELD



PLOT DIAGRAM LOT NO. 1
PROPERTY OF GREG, KATHY
ZIEGLER WORK 702 EYE 3268
HOME 410 730 1639
5968-7 JORNABO
617 LANE COLUMBIA
TA, MD. 21044

SCALE 1/8" = 12'	APPROVED BY <i>[Signature]</i>	DRAWN BY
DATE		
PLAN IS PROPERTY OF ZIEGLER		DRAWING NUMBER 1 OF 2

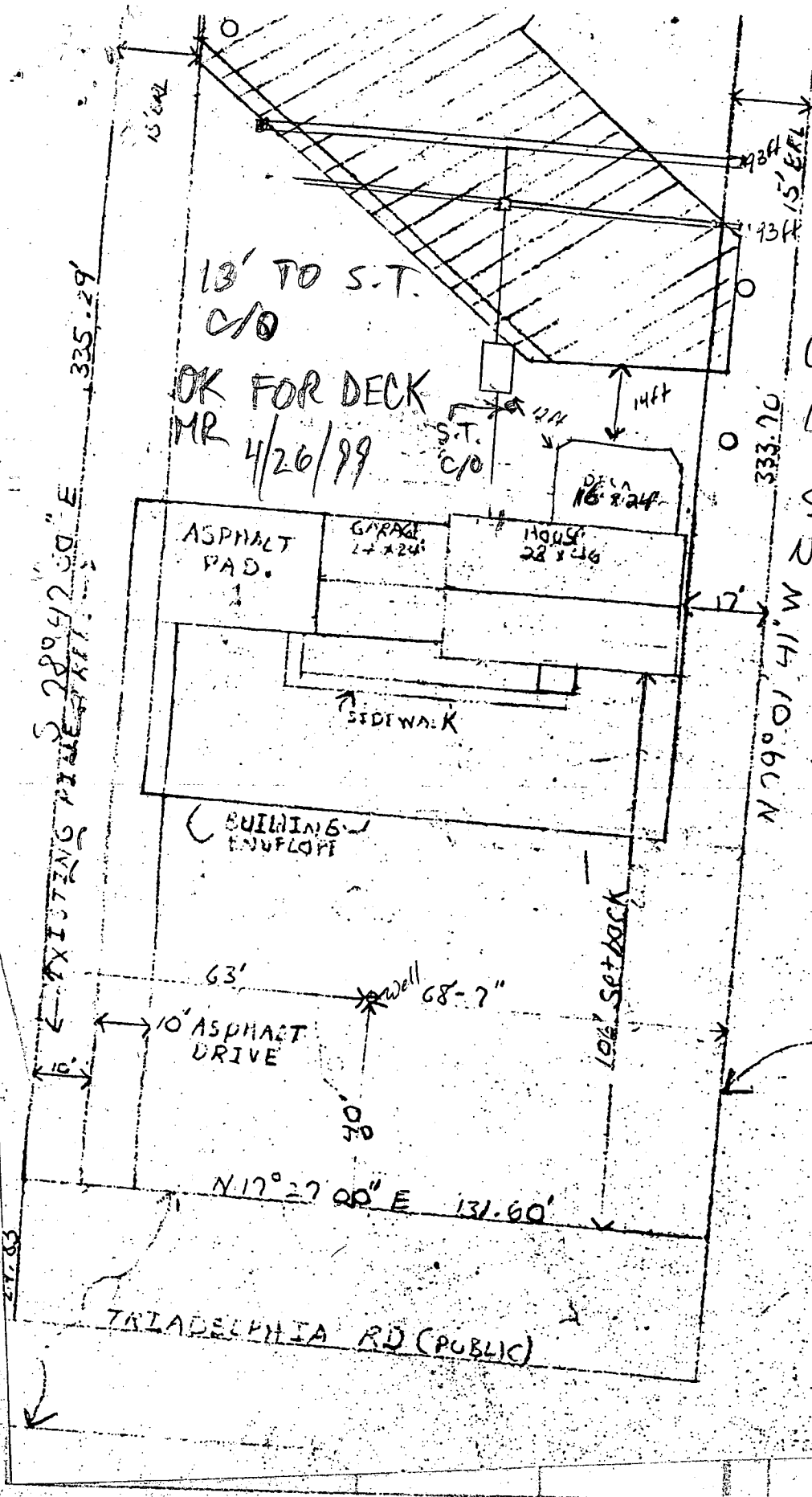
4/23/99

SEPTIC RECORDS INDICATES S.T. TO RIGHT LOT 2 OF ~~DE~~PICTED LOCATION; INSPECTION REQUIRED

SEE MR NOTES TO LEFT OK (MR) 4/26/99 B00117226

1:30

PLOT DIAGRAM PROPERTY OF GREG BIEGLER WORK 20 HOME 410 5968-7 UT LANE TA, MD



13' TO S.T. C/O
OK FOR DECK
MR 4/26/99

EXISTING PINE 289.42 50" E

TRIADELPHIA RD (PUBLIC)

333.70
N 79° 01' 41" W

N 17° 27' 00" E 131.60'

27.03

PLAN

DATE PLOTTED