

4/18/96
2-230
4/24/96
3-00
4/25/96
3:00
5/30/96
1:30

PERMIT

03-298965

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 56398
A 38773
DISTRICT 3rd

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXX~~ 313-2640

DATE 01/17/96

DATE SYSTEM APPROVED 5/30/96

INSPECTOR M. Rifkin

INDEXED

South Carroll Backhoe, Inc. IS PERMITTED TO INSTALL X ALTER

ADDRESS 4410 Salem Bottom Road, Westminster, Maryland PHONE 865-4197

SUBDIVISION Thompson's Range LOT 1 ROAD 11530 Frederick Road (Route 144)

PROPERTY OWNER James May

ADDRESS _____

** PUMP SEPTIC SYSTEM ONLY **

SEPTIC TANK CAPACITY 1500 GALLONS

INSTALL: 1000 Gallon Pump Chamber with Controls and Alarms

NUMBER OF BEDROOMS 5

Septic Contractor to supply pump information prior to septic permit issuance.

180 SQUARE FEET PER BEDROOM

A septic pump test must be performed with a sanitarian present prior to septic system approval.

LINEAR FEET OF TRENCH REQUIRED 300

TRENCHES - Trench to be 3 feet wide. Inlet 4 1/2 feet below original grade. Bottom maximum depth 6 1/2 feet below original grade. Effective area begins at 4 1/2 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place the distribution box 165 feet from the rear (487.44') lot line and 160 feet from the left (2417.65') lot line. Run trenches on contour toward rear lot line.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 5/4/95 DKS

PLANS APPROVED BY Mark Rifkin DATE 03/01/95

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.

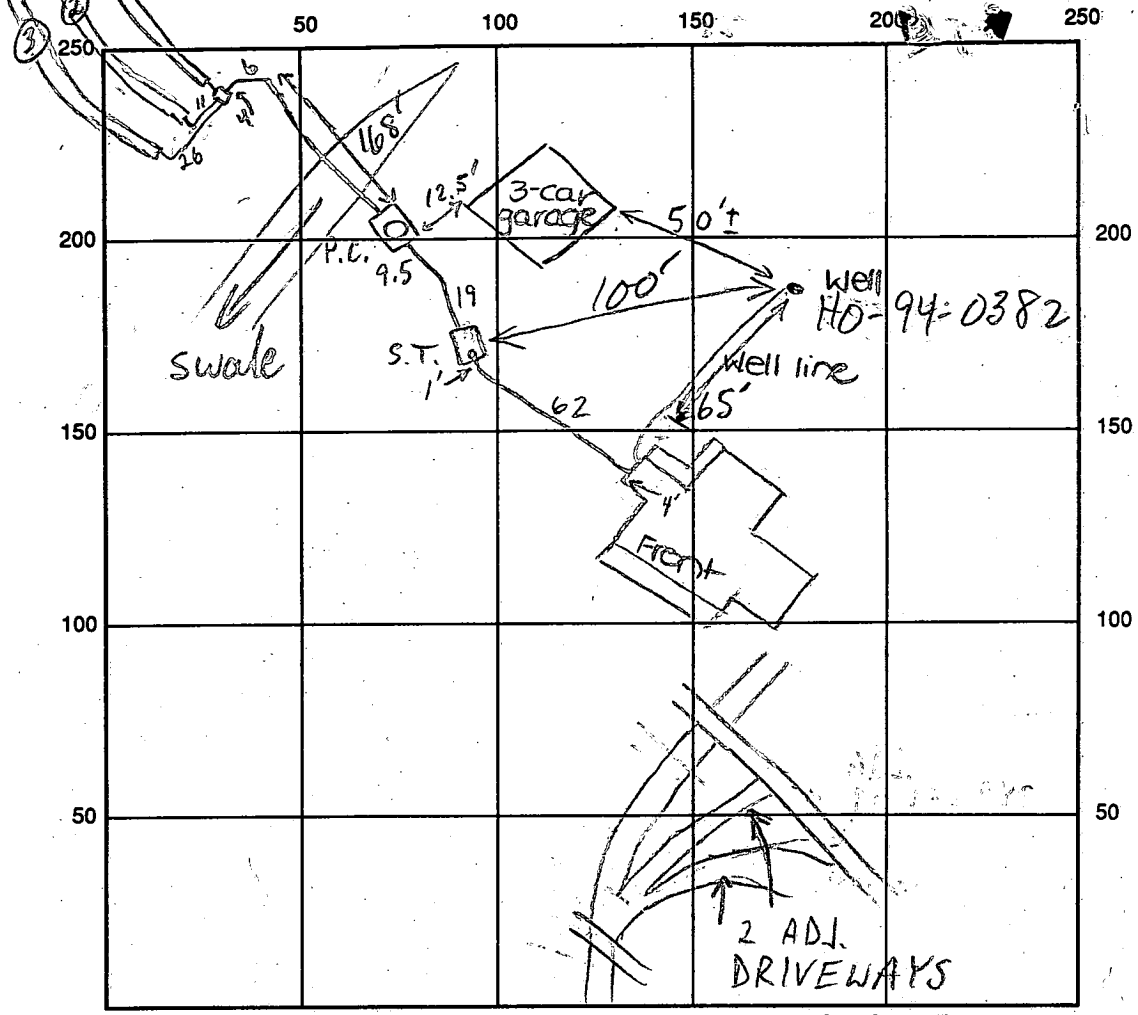
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

Addition - 3 car Garage
BLDG. PERMIT SIGNED AND RETURNED 12-20-95
Serial # 62968

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

BLDG. PERMIT SIGNED AND RETURNED 3-26-95
Serial # 6392
Addition - Program Tank

100' ea.



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

1000 GAL P.C. Frederick Road

SEPTIC TANK LEVEL 1500 GAL S.T. CLEANOUTS S.T. (8") - OK; P.C. MANHOLE - OK

DISTRIBUTION BOX LEVEL OK Baffle in

DRAIN FIELD/TITLE DEPTH $\frac{1}{2} \frac{2}{3}$ 6.5/6.5/6.5 FT. TRENCH WIDTH 3 FT. INLET DEPTH $\frac{1}{2} \frac{2}{3}$ 4.5/4.5/4.5 FT.

EFFECTIVE GRAVEL DEPTH $\frac{1}{2} \frac{2}{3}$ 2/2/2 FT. TOTAL LENGTH 3 @ 100 FT.

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 3 @ 300 SQ. FT.

DRYWALL INSIDE DIAMETER FT. EFFECTIVE DEPTH BELOW INLET FT.

ABSORBENT AREA 900 SQ. FT.

REMARKS: 4/18/96 A.M. No work done. DKS

4/18/96 P.M. Pump pit set, septic tank in process of being set. Well line to be 3' below septic line - well line will be sleeved 20'-25'. DKS 4/23/96 OK

TO COVER HOUSE TO P.C. MR 4/24/96 EXCAVATION JUST STARTING MR

4/19/96 OK to cover well line - no insp. - late call in/impending rain

DATE SYSTEM APPROVED 5/30/96 INSPECTOR M. Ripkin

4/25/96 TRENCHES ① AND ② OK TO COVER MR

4/26/96 SYSTEM OK TO COVER; HOLD FOR PUMP INSP (MR) 5/30/96 PUMPS OK MR

APPLICATION

PERCOLATION TESTING

A 38773

P _____

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

DISTRICT 3Rd

DATE 02/24/87

2-26-87

ok to process sale

dat given ms. owsler

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 PROPERTY OF ESTATE OF MILDRED O. WILSON JAMES MAY

ADDRESS 11490 FREDERICK Rd PHONE 531-2444

PROSPECTIVE BUYER PAUL THOMPSON

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. 1

ROAD AND DESCRIPTION RT 144 SAORT DIST E OF TRIDELPHIA
ROAD (11530 Frederick Pike)

TAX MAP 16 PARCEL # 199

SIZE OF LOT 1 1/2 ACRES TYPE BLDG. SFD - 4 Bdr
(SINGLE FAMILY DWELLING OR COMMERCIAL)

BLDG. PERMIT SIGNED
AND RETURNED 4/10/85
Serial # 58798
SFD - 4 Bdr

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 O. Owsler ADMINISTRATOR OF ESTATE OF
MILDRED O. WILSON
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

Add On - 3 Cal
Cramps
BLDG. PERMIT SIGNED
AND RETURNED 12-30-95
Serial # 62968

THIS IS NOT A PERMIT

A 38773

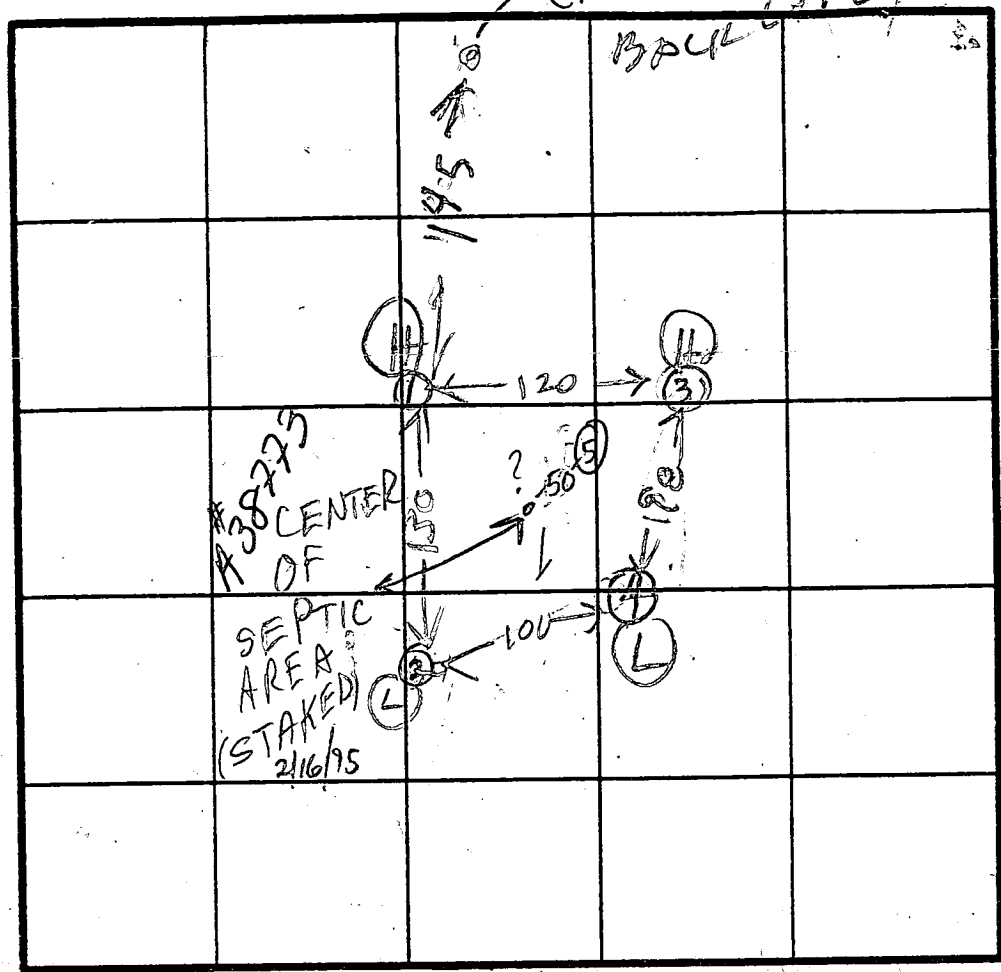
STAKE (MAY BE ONE)

$\bar{x} = 7.5$
180 BR
Inlet $4\frac{1}{2}$
Bot $6\frac{1}{2}$
(7)

BROWN CLAY
ORANGE BROWN SAND LOAM

HOLE ELEVATION

SOIL-PROFILE
0
BROWN CLAY
3
PINK & BROWN SAND LOAM
12



(2)
BROWN CLAY
PINK & BROWN SAND LOAM

(3)
BROWN CLAY
PINK BROWN SAND LOAM

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/23/97	1 S	4	107	117	117	125	9
	1 V	12					
	2 S	$2\frac{1}{2}$	122	123	125	125	2
	2 V	11					
	1 D	$6\frac{1}{2}$	137	133	133	138	6
	3 V	12	OK				
4/23/97	4 S	5	140	147	147	201	14
	4 V	11	OK				
2/16/95	5 V	13	OK see profile				

(1)(3) = HIGH
(4)(2) = LOW
5
org red sa cl lm
44"
brn sa lm
15% saprolite frags

REMARKS CERTIFY HOLES HOLES IMMEDIATE OF WOODS NOT SURE ABOUT PROPERTY LINE
TYPE OF SOIL
TESTED BY R. HODGES ALSO PRESENT J. FROCK BACKLITE

APPLICATION

2/15/95
10:00
2/16/95

PERCOLATION TESTING

A 50499

P _____

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

PREVIEW OK
WGT SEASON
TESTING REQ'D

DISTRICT _____

DATE 4/31/95

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 Paul D. Thompson

ADDRESS 4600 Sykesville Rd, Finksburg Md 21048 PHONE 781-4133

AGENT OR PROSPECTIVE BUYER JAMES W. MAY

ADDRESS P.O. Box 129 WEST FRIENDSHIP Md 21794 PHONE 442-1160

PROPERTY LOCATION:

SUBDIVISION Thompson's Range LOT NO. 1

ROAD AND DESCRIPTION 3,000' +/- west of Marriottsville Rd
FREDERICK Rd / 11500 Block

TAX MAP 16 PARCEL # 199

SIZE OF LOT 14.33 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 NONREFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

James W. May
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING REJECTED - Rock + H₂O, NO OTHER TEST LOC. DESIRED MR
2/17/95

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

A50499
COUNTY #

SOIL PROFILE

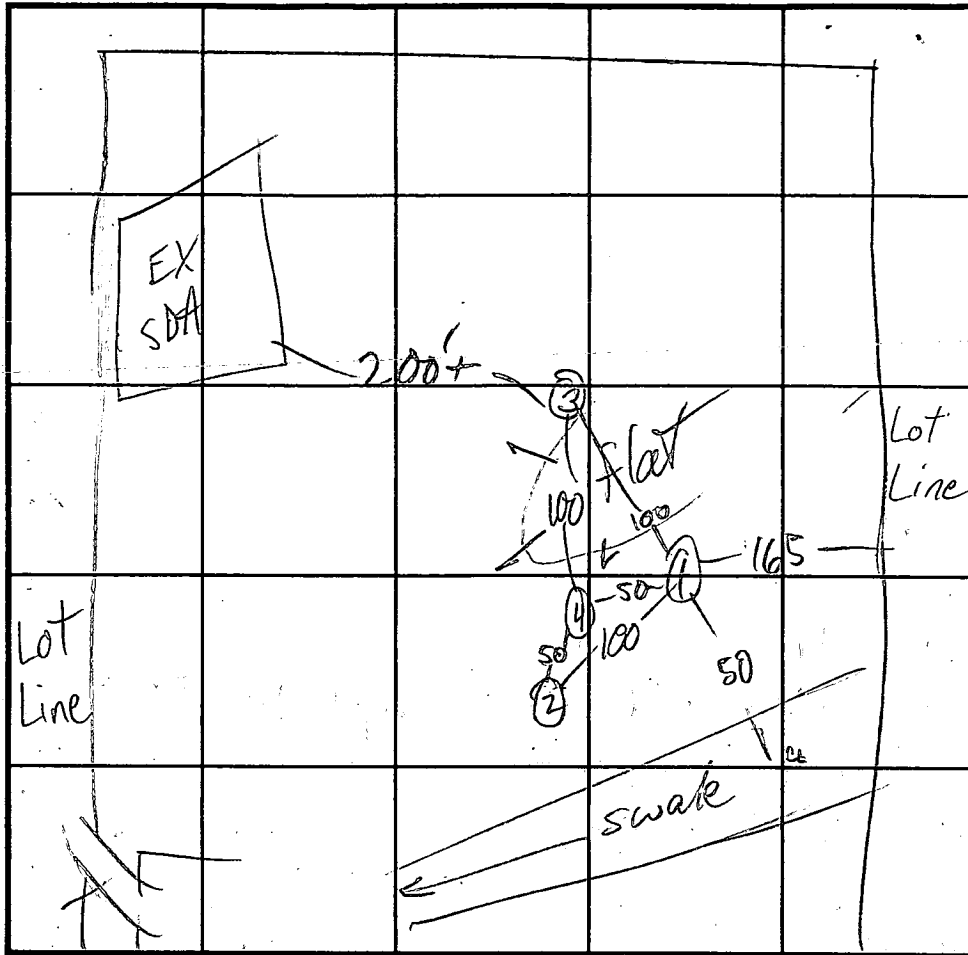
0' ①
org sa
cl lm
5 1/2'
brn sa si
loam
5-10% frags
14' 10"

②

org sa cl
lm
5 1/2'
brn sa
si lm
5-10% frags
8 1/2"
H₂O seeping
12 1/2"

③

brn org
sa cl lm
2' clay w/30%
Rock frags
1 1/2'
org sa cl lm
5'
brn sand
15-30% frags
13 1/2"



SOIL PROFILE

0'

RT. 144 INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
2/16/95	1 S	4	10:54	11:05	11:05	11:10	11	
	1 M	9	10:53	10:59	10:59	11:10	11	
	1 S ₂	6 1/2	11:15	11:18	11:18	11:23	5 EST	
	1 V	14' 10"						
	2 S	3	11:21	11:24	1/4"		FAIL	
	2 V	12 1/2	H ₂ O @ 11' 6" - 11' 9" seeping @ 8 1/2"					
	3 S	4 1/2	11:38	11:54	11:54	12:07 1/4"		
	3 V	13 1/2			SLOW TEST TERMINATED			
	4 V	5 1/2	ROCK REFUSAL					

REMARKS NO OTHER PERC LOCATIONS FOR PROPOSED HOUSE

TYPE OF SOIL _____

TESTED BY M. Rifkin ALSO PRESENT J. May, S. Carroll

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

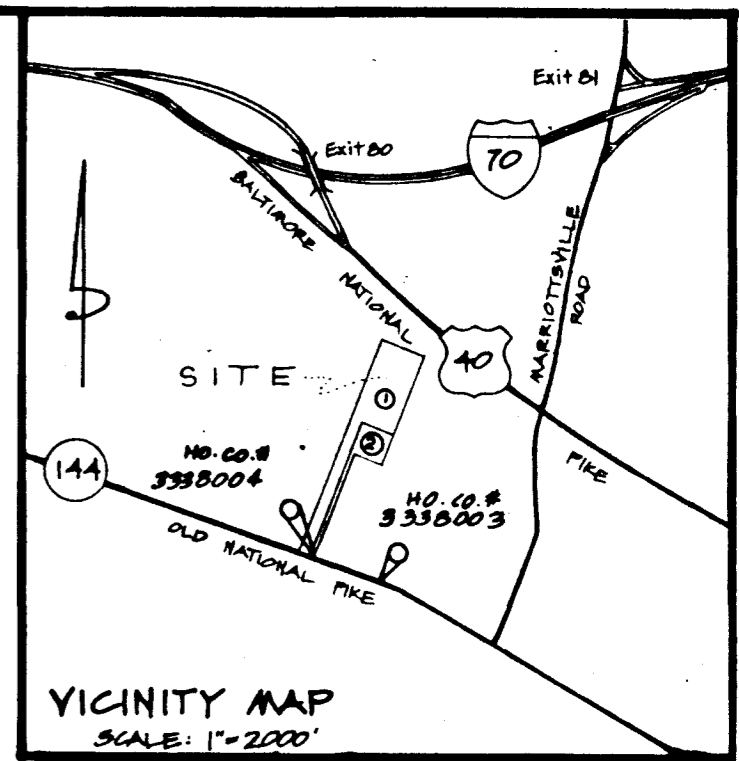
COORDINATES

NO	NORTH	EAST
1	531263.89	824769.26
2	531274.92	824774.81
3	533423.84	825855.35
4	533219.14	826297.73
5	532093.34	825762.05
6	532264.59	825433.34
7	531227.41	824906.80
8	531217.87	824901.96

WETLAND #2 DELINEATION CHART

7	S 76° 03' 26" E	27.21'
8	S 28° 47' 28" E	84.75'
9	S 01° 20' 20" E	97.64'
10	S 26° 54' 56" W	208.40'
11	S 37° 30' 58" W	74.00'
12	S 06° 24' 20" W	38.89'
13	S 26° 54' 56" W	43.06'
14	S 38° 23' 43" W	66.34'
15	S 10° 03' 21" W	45.52'
16	S 26° 54' 56" W	105.59'
17	S 42° 58' 13" W	150.41'
18	N 70° 12' 07" W	98.36'
19	N 26° 41' 41" E	919.19'

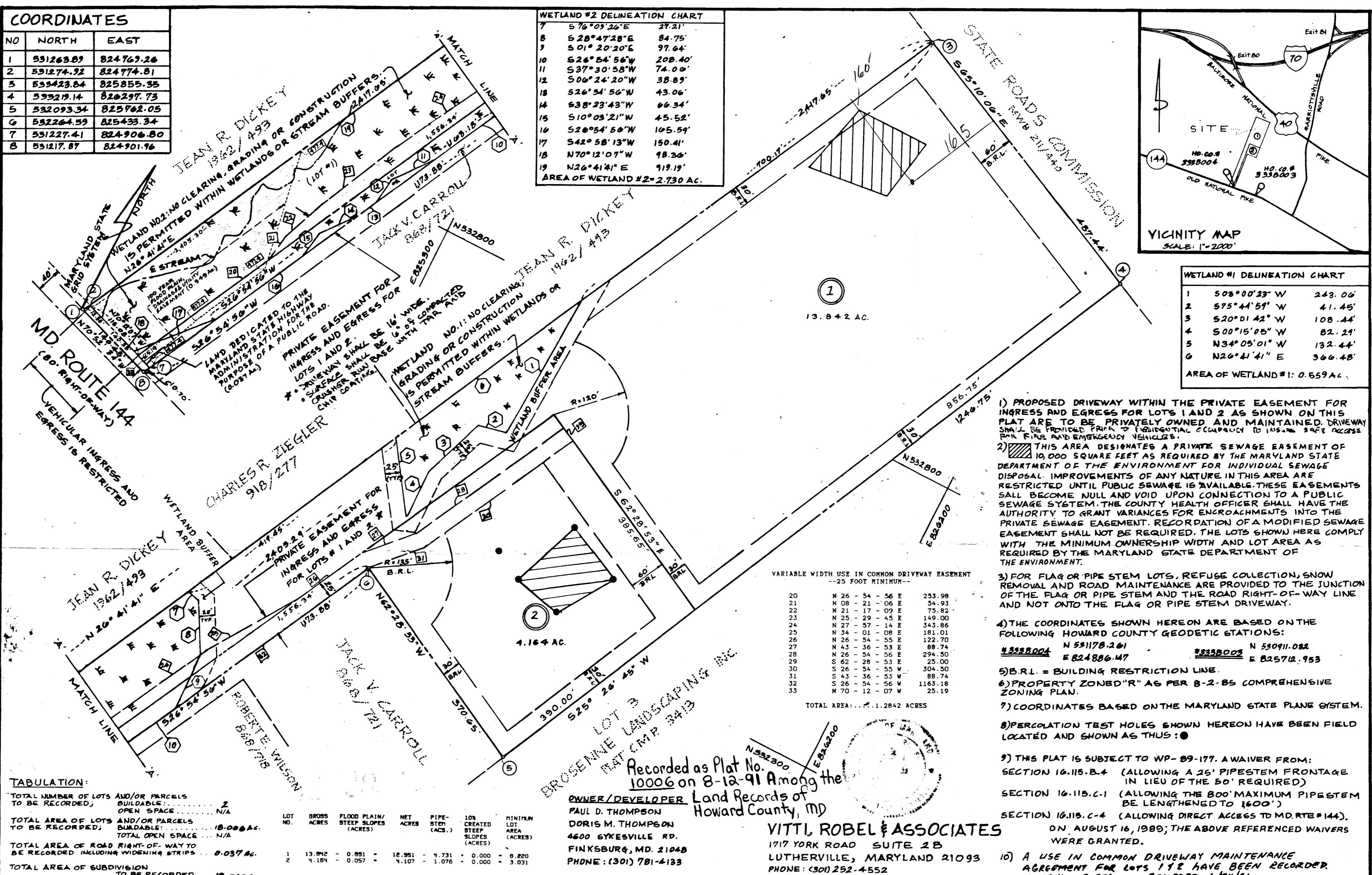
AREA OF WETLAND #2 = 2.730 AC.



WETLAND #1 DELINEATION CHART

1	S 03° 00' 23" W	243.06'
2	S 75° 44' 59" W	41.45'
3	S 20° 01' 42" W	108.44'
4	S 00° 15' 05" W	82.21'
5	N 34° 05' 01" W	132.44'
6	N 26° 41' 41" E	366.48'

AREA OF WETLAND #1 = 0.659 AC.



TABULATION:

LOT NO.	GROSS ACRES	FLOOD PLAIN/STEEP SLOPES (ACRES)	NET ACRES	PIPE-STEM (ACS.)	10% CREATED STEEP SLOPES (ACRES)	MINIMUM LOT AREA (ACRES)
1	13.842	0.891	12.951	4.731	0.000	8.220
2	4.164	0.057	4.107	1.076	0.000	3.031

VARIABLE WIDTH USE IN COMMON DRIVEWAY EASEMENT - 25 FOOT MINIMUM -

20	N 26 - 54 - 56 E	253.98
21	N 08 - 21 - 06 E	54.93
22	N 25 - 17 - 09 E	75.82
23	N 25 - 29 - 45 E	149.00
24	N 27 - 57 - 14 E	343.86
25	N 34 - 01 - 08 E	181.01
26	N 26 - 54 - 55 E	122.70
27	N 43 - 36 - 53 E	88.74
28	N 26 - 54 - 56 E	294.50
29	S 62 - 28 - 53 E	25.00
30	S 26 - 54 - 55 W	304.50
31	S 43 - 36 - 53 W	88.74
32	S 26 - 54 - 56 W	1163.18
33	N 70 - 12 - 07 W	25.19

TOTAL AREA: 1.2842 ACRES

- PROPOSED DRIVEWAY WITHIN THE PRIVATE EASEMENT FOR INGRESS AND EGRESS FOR LOTS 1 AND 2 AS SHOWN ON THIS PLAT ARE TO BE PRIVATELY OWNED AND MAINTAINED. DRIVEWAY SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES.
- 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 EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE REQUIRED. THE LOTS SHOWN HERE COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- FOR FLAG OR PIPE STEM LOTS, REFUSE COLLECTION, SNOW REMOVAL AND ROAD MAINTENANCE ARE PROVIDED TO THE JUNCTION OF THE FLAG OR PIPE STEM AND THE ROAD RIGHT-OF-WAY LINE AND NOT ONTO THE FLAG OR PIPE STEM DRIVEWAY.
- THE COORDINATES SHOWN HEREON ARE BASED ON THE FOLLOWING HOWARD COUNTY GEODETIC STATIONS:
#338004 N 531178.261 E 824886.47
#338005 N 530911.082 E 825712.953
- B.R.L. = BUILDING RESTRICTION LINE.
- PROPERTY ZONED "R" A6 PER 8-2-85 COMPREHENSIVE ZONING PLAN.
- COORDINATES BASED ON THE MARYLAND STATE PLANE SYSTEM.
- PERCOLATION TEST HOLES SHOWN HEREON HAVE BEEN FIELD LOCATED AND SHOWN AS THUS: ●
- THIS PLAT IS SUBJECT TO WP-89-177. A WAIVER FROM: SECTION 16.115.B.4 (ALLOWING A 25' PIPESTEM FRONTAGE IN LIEU OF THE 50' REQUIRED) SECTION 16.115.C-1 (ALLOWING THE 800' MAXIMUM PIPESTEM BE LENGTHENED TO 1600') SECTION 16.115.C-4 (ALLOWING DIRECT ACCESS TO MD.RTE#144). ON AUGUST 16, 1989, THE ABOVE REFERENCED WAIVERS WERE GRANTED.
- A USE IN COMMON DRIVEWAY MAINTENANCE AGREEMENT FOR LOTS 1 & 2 HAVE BEEN RECORDED. L. 2546 F. 538 RECORDED 6/24/91

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEM, HOWARD COUNTY HEALTH DEPARTMENT.
Joseph W. Bond 7/3/91
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING.
James Keith 7/31/91
 DIRECTOR DATE

APPROVED: FOR STORM DRAINAGE SYSTEM AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
Donald E. Ryan 7/26/91
 DIRECTOR DATE

OWNERS DEDICATION

WE, PAUL D. THOMPSON AND DORIS M. THOMPSON, 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 AND STREET RIGHT-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 FLOODPLAINS 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 FLOODPLAINS, 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 ERIGED ON OR OVER THE SAID EASEMENTS AND RIGHTS-OF-WAY. WITNESS OUR HANDS THIS 20 DAY OF DECEMBER, 1990.

Paul D. Thompson 12/20/90
 PAUL D. THOMPSON DATE

Doris M. Thompson 12/20/90
 DORIS M. THOMPSON DATE

Mark L. Robel
 MARK L. ROBEL WITNESS

SURVEYORS CERTIFICATE

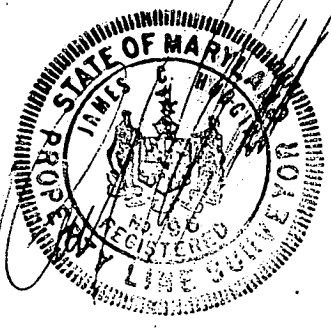
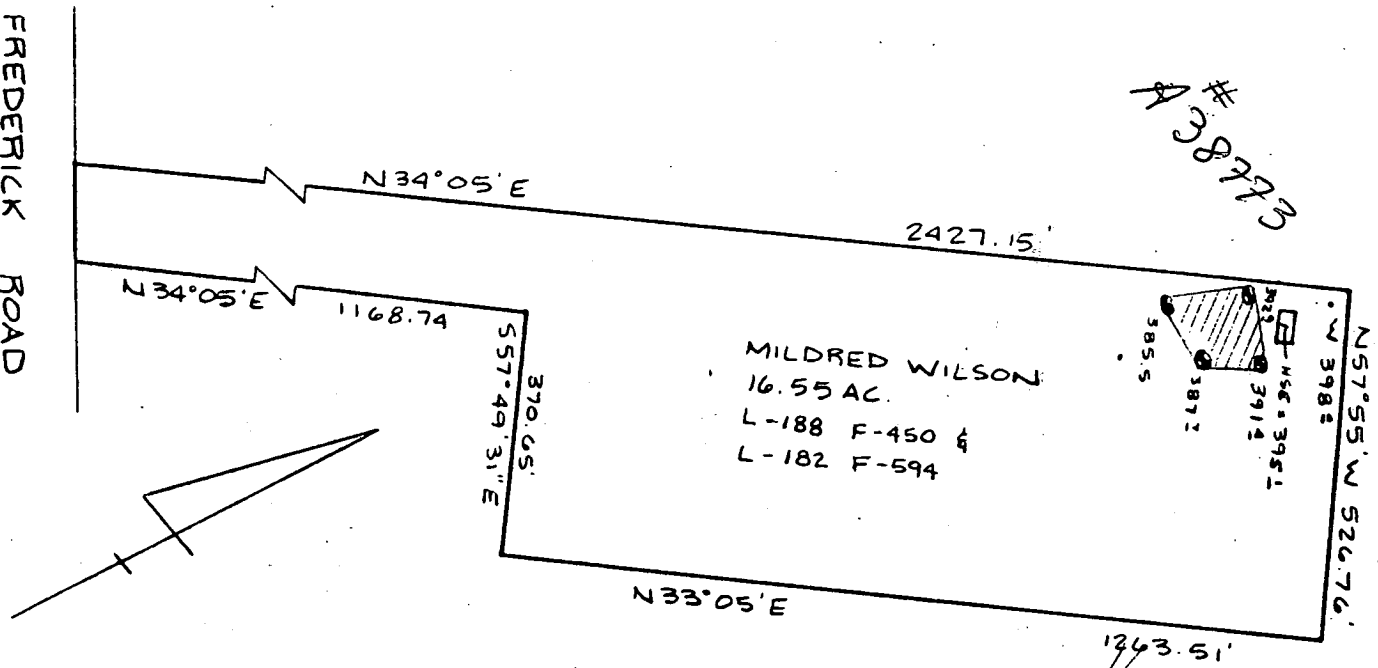
I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT; THAT IT IS A SUBDIVISION OF ALL THE LAND CONVEYED BY JOHN OTIS DURSLE, PERSONAL REPRESENTATIVE OF THE ESTATE OF MILDRED O. WILSON, LATE OF HOWARD COUNTY, DECEASED, TO PAUL D. THOMPSON AND DORIS M. THOMPSON, HIS MOTHER, DEED DATED JUNE 17, 1987 AND RECORDED IN THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN LIBER 1872, FOLIO 704, AND THAT ALL MONUMENTS ARE IN PLACE, OR WILL BE IN PLACE PRIOR TO THE ACCEPTANCE OF THE STREETS IN THE SUBDIVISION BY HOWARD COUNTY AS SHOWN IN ACCORDANCE WITH THE ANNOTATED CODE OF MARYLAND AS AMENDED.


Mark L. Robel 2/6/91
 MARK L. ROBEL #339 DATE

THOMPSON'S RANGE

LOTS 1 AND 2
 LIBER 1672 FOLIO 704
 PART OF PARCEL #199 TAX MAP #16
 THIRD ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 ZONED "R"
 SHEET 1 OF 1 WP-89-177
 SCALE: 1"=100'
 DATE: 8-15-90

FREDERICK ROAD
(MD. ROUTE #144)



 This area designates a private sewage easement of 10,000 square feet as required by the 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.

PERCOLATION TEST PLAT
 PROPERTY OF
 MILRED O. WILSON
 TAX MAP 16
 PARCEL 199

Percolation test holes shown hereon have been field located and shown as "⊙".

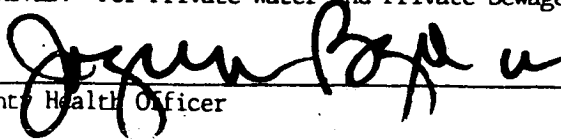
3rd Election District
 Howard County, Maryland
 Scale 1"=300'
 Date 06/10/87

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.

Percolation areas and water wells for adjoining lots have been shown where pertinent.

APPROVED: For Private Water and Private Sewage Systems

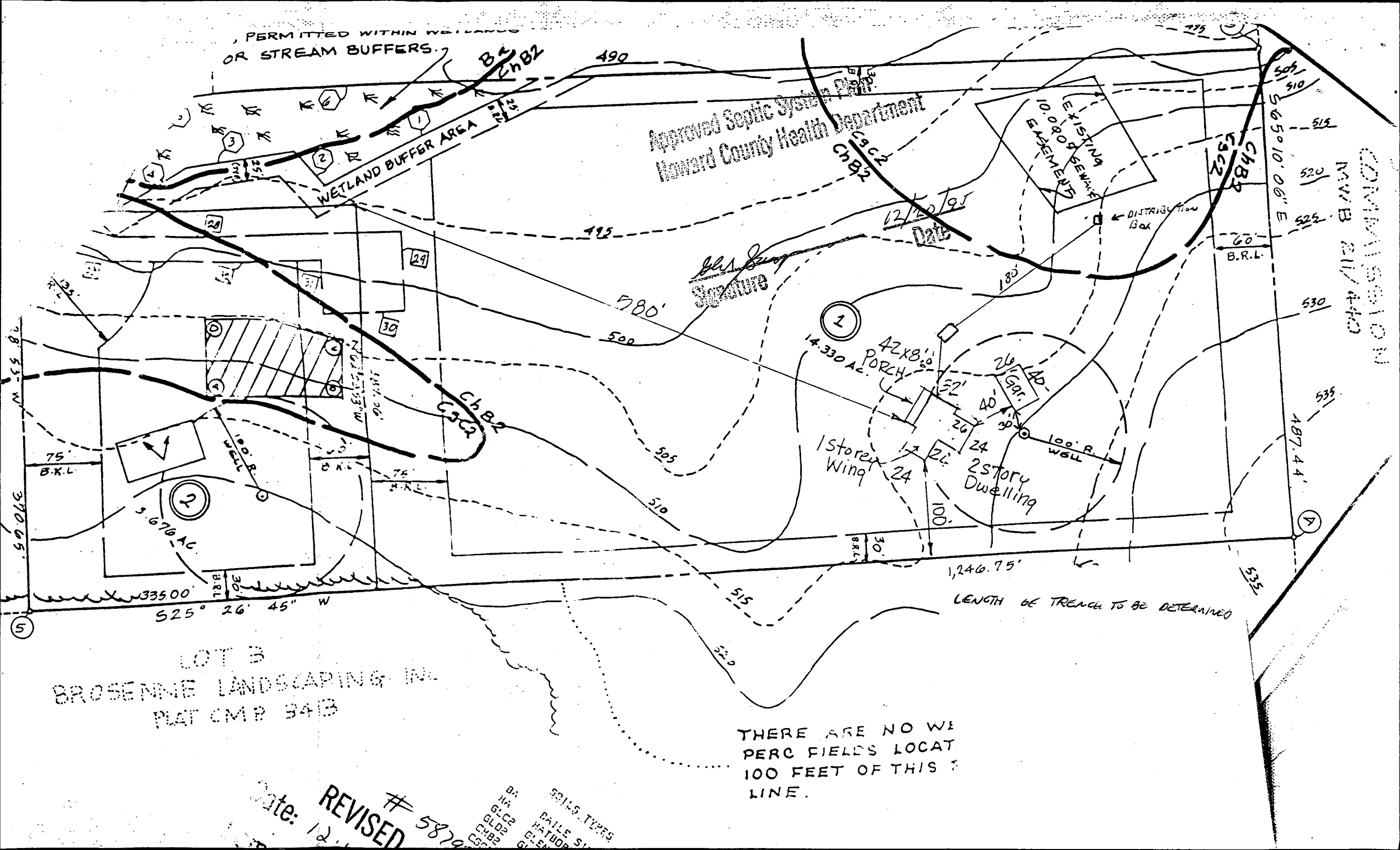
NTT Associates, Inc.
 16205 Old Frederick Road
 Mt. Airy, MD 21771
 (301) 442-2031

 County Health Officer
 Date 6-17-87

PERMITTED WITHIN WETLANDS OR STREAM BUFFERS.

Approved Sepsis System
Howard County Health Department

COMMISSION
NOV 21/1995



12/20/95
Date

[Signature]
Signature

1
14.330 AC.

42x8' PORCH

1 story Wing

2 story Dwelling

100' R. WELL

1,240.75'
LENGTH OF TRENCH TO BE DETERMINED

LOT 3
BROSENNE LANDSCAPING INC.
PLAT CMP 34B

THERE ARE NO WE
PERC FIELDS LOCAT
100 FEET OF THIS
LINE.

Date: 12/20/95
REVISED # 5879
BA HA GLC2 GLE2 GLE3
CLB2 GLE4
SOILS TYPES
BAILEY
HATBOR
GLE4

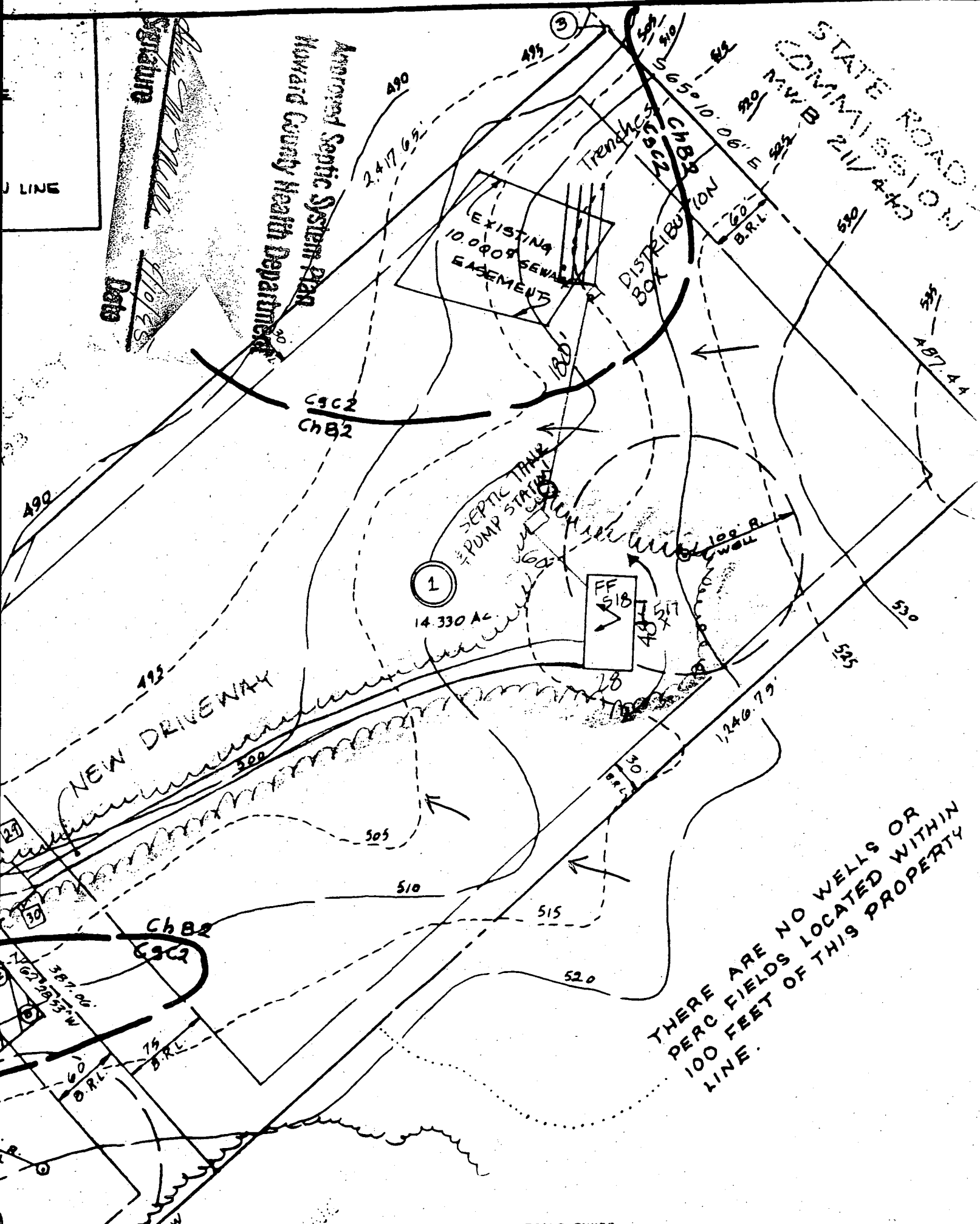
U LINE

Signature

Date

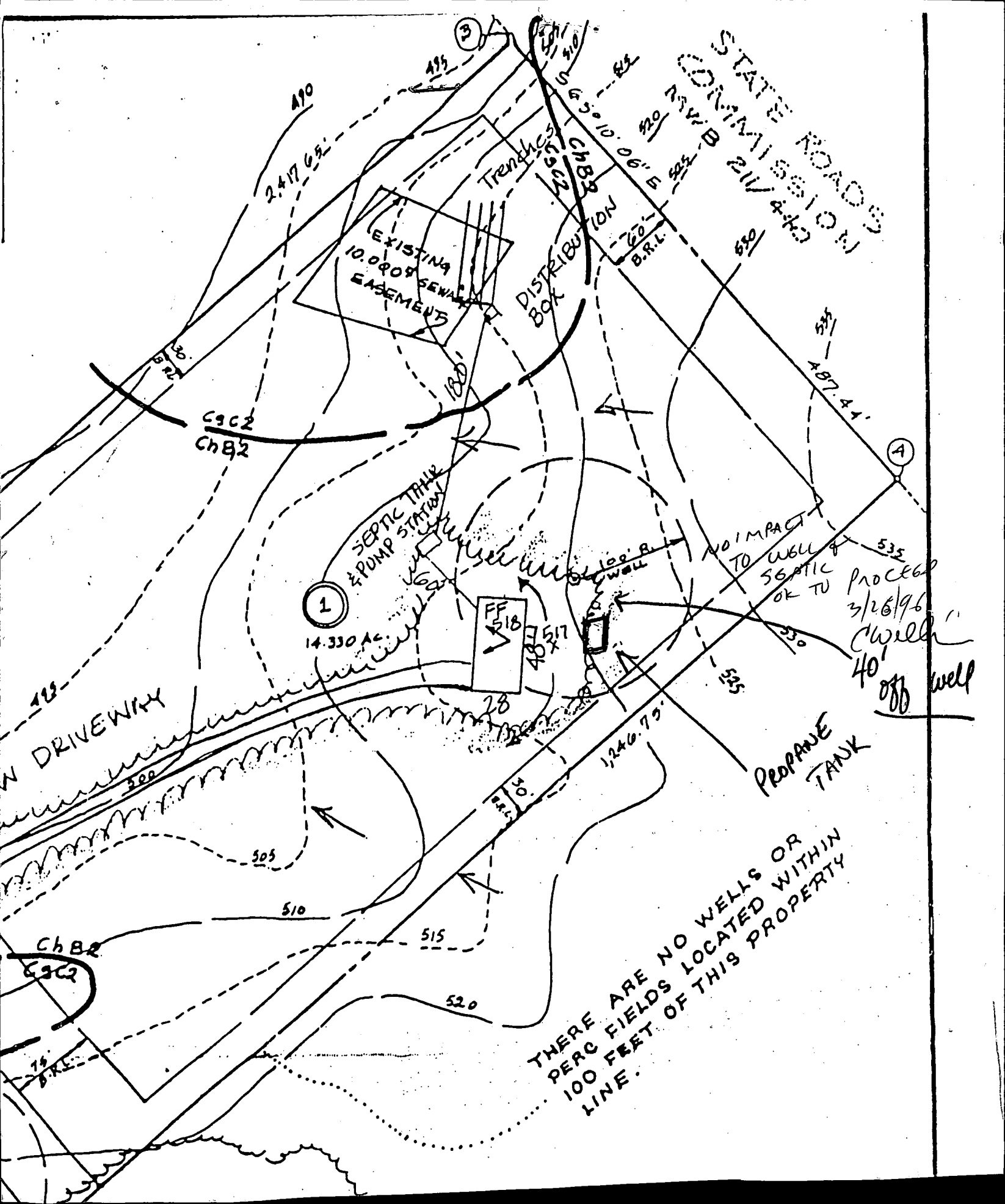
Approved Septic System Plan
Howard County Health Department

STATE ROAD
COMMISSION
NOV 21 1980



THERE ARE NO WELLS OR PERC FIELDS LOCATED WITHIN 100 FEET OF THIS PROPERTY LINE.

SOILS TYPES



STATE ROAD
 COMMISSION
 211410

490
 2417.65'

EXISTING
 10.0009
 SEWER
 EASEMENT

TRENCHES
 DISTRIBUTION
 BOX

C3C2
 ChB2

SEPTIC TANK
 & PUMP STATION

1

14.330 AC

FF
 518

NO IMPACT
 TO WELL &
 SEPTIC
 OK TO

PROCEED
 3/26/96
 CWELL
 40' off well

PROPANE
 TANK

THERE ARE NO WELLS OR
 PERC FIELDS LOCATED WITHIN
 100 FEET OF THIS PROPERTY
 LINE.

DRIVEWAY

ChB2
 C3C2

75
 B.R.L.

515

520

A

3

495

10.06'

20'
 B.R.L.

535

487.44'

535

535

300

505

510

1246.75'

30'
 B.R.L.

100' B.
 WALL

40' X 40'

28

132

132

132

132

132

132

132

132

132

132

132

4/23/96
Anytime

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

Fax 313-2648 313-2640

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation
Replacement

Receipt # _____
Date 4/20/96

Name of Installer ROBERT L. FEEZER Co.

Telephone 781-4655

License Number 2122

Certified Well Pump Installer Well Driller Registered Plumber

Name of Property Owner JIM MAY

Telephone 795-4405

Subdivision THOMPSONS RIDGE Lot # ~~1~~

Well Tag # HO-94-0382

Site Address 11530 FREDERICK RD.

- Pump
- Type
 - Deep well jet _____
 - Shallow well jet _____
 - Submersible _____
 - Make BERMOTOR
 - Model # A12-100
 - Capacity 12 GPM
 - Pump exceeds well capacity Yes No
 - If Yes, is low pressure cutoff switch installed? Yes _____ No
 - What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors _____ Cable guards Other _____

- Motor
- Horsepower 1
 - RPM 3470
 - Voltage
 - 110 _____
 - 220

- Pitless Adapter
- Make HERVARD
 - Model # PT-800
 - Depth 42"

- CAPTIVE AIR
Tank WELL-CONTROL
- Capacity 12 GALS.
 - Pressure relief valve? YES

- Piping
- Type Poly.
 - Size 1"
 - NSF and/or BOCA Code approved YES
 - Depth of supply line 42"

- Well data
- Depth 400 ft.
 - Yield 3.5 GPM
 - Static water level _____ ft.
 - Will water supply be disinfected by installer? YES

W.P.I OK 4' B.G.

4/23/96 MR

2 LINES IN DITCH
HOUSE AND ???

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).

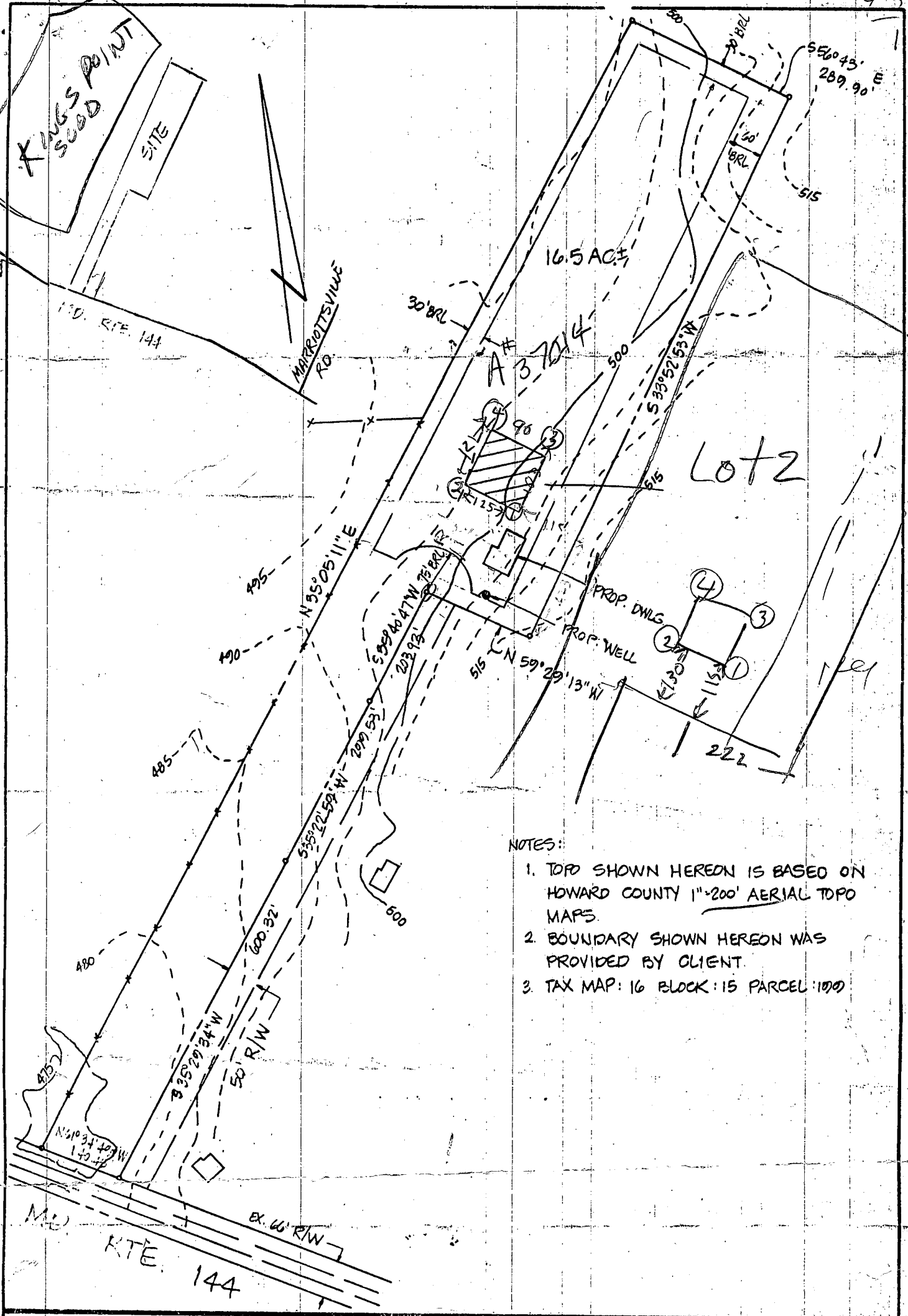
All information given above is true to the best of my knowledge.

Signature of Applicant: [Signature]

Date: 4/20/96

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

50
46
43

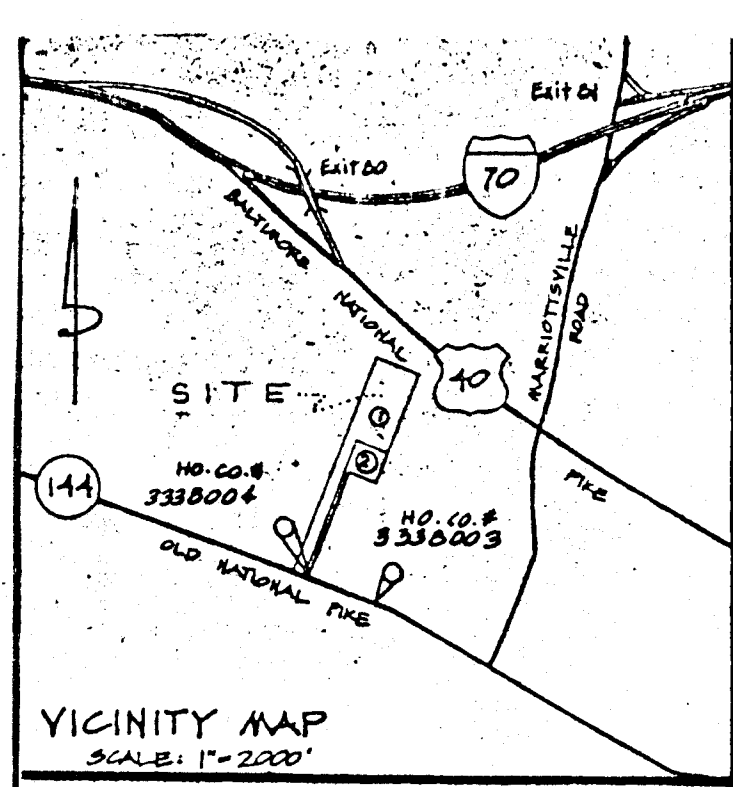


- NOTES:
1. TOPO SHOWN HEREON IS BASED ON HOWARD COUNTY 1"=200' AERIAL TOPO MAPS.
 2. BOUNDARY SHOWN HEREON WAS PROVIDED BY CLIENT.
 3. TAX MAP: 16 BLOCK: 15 PARCEL: 1000

TITLE: PERC FLAT				
PROJECT: WILSON PROPERTY				
LOCATION: ELECTION DISTRICT HOWARD CO., MD.				
SCALE: 1"=200'	DESIGNED BY:	DRAWN BY: J.J.B.	CHECKED BY:	DATE: MAY, 1986
FIELD BOOK:	PAGE NO.:	JOB NO.: 86132	DRAWING NO.: 1 OF 1	

boender associates
inc.
consulting engineers
land surveyors
land planners

COURTHOUSE SQUARE
3565 ELLICOTT MILLS DRIVE
ELLICOTT CITY, MD. 21043
13011 465-7177

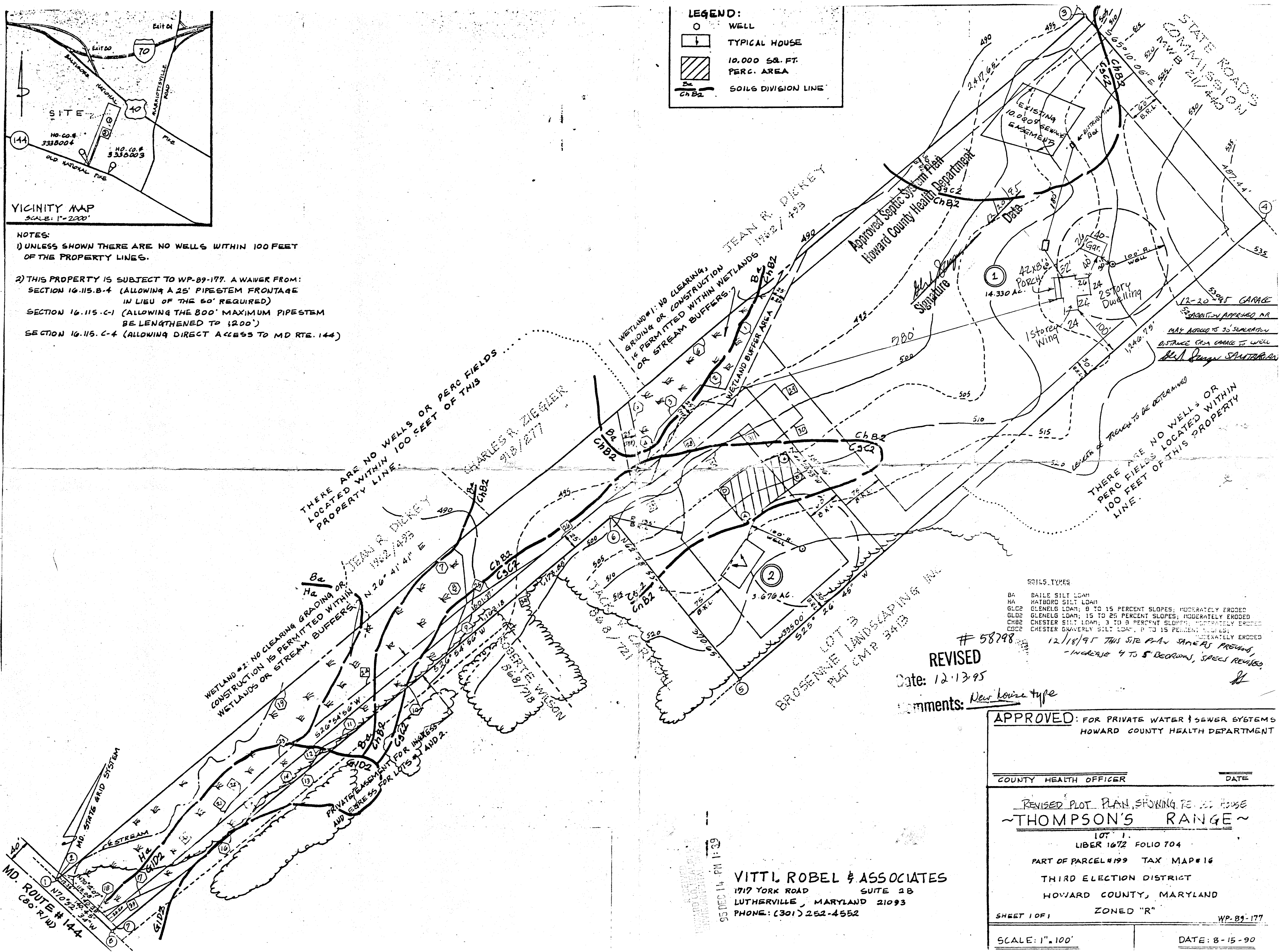


LEGEND:

- WELL
- TYPICAL HOUSE
- ▨ 10,000 SQ. FT. PERC. AREA
- Soils Division Line

VICINITY MAP
SCALE: 1"=2000'

- NOTES:**
- UNLESS SHOWN THERE ARE NO WELLS WITHIN 100 FEET OF THE PROPERTY LINES.
 - THIS PROPERTY IS SUBJECT TO WP-89-177. A WAIVER FROM:
 - SECTION 16.115.B-4 (ALLOWING A 25' PIPESTEM FRONTAGE IN LIEU OF THE 50' REQUIRED)
 - SECTION 16.115.C-1 (ALLOWING THE 800' MAXIMUM PIPESTEM BE LENGTHENED TO 1200')
 - SECTION 16.115.C-4 (ALLOWING DIRECT ACCESS TO MD RTE. 144)



THERE ARE NO WELLS OR PERC FIELDS LOCATED WITHIN 100 FEET OF THIS PROPERTY LINE.

WETLAND #2: NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN WETLANDS OR STREAM BUFFERS.

WETLAND #1: NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN WETLANDS OR STREAM BUFFERS.

THERE ARE NO WELLS OR PERC FIELDS LOCATED WITHIN 100 FEET OF THIS PROPERTY LINE.

SOILS TYPES

- BA BAILE SILT LOAM
- HA HATBORO SILT LOAM
- GLC2 GLENELG LOAM; 8 TO 15 PERCENT SLOPES; MODERATELY ERODED
- GLD2 GLENELG LOAM; 15 TO 25 PERCENT SLOPES; MODERATELY ERODED
- CHB2 CHESTER SILT LOAM; 3 TO 8 PERCENT SLOPES; MODERATELY ERODED
- CGC2 CHESTER GRAVELLY SILT LOAM; 8 TO 15 PERCENT SLOPES; MODERATELY ERODED

58298
12/18/95 THIS SITE PLAN SAME AS PREVIOUS, INCREASE 4 TO 5' BEDROOMS, SPECS REVISED.

REVISED
Date: 12.13.95
Comments: New house type

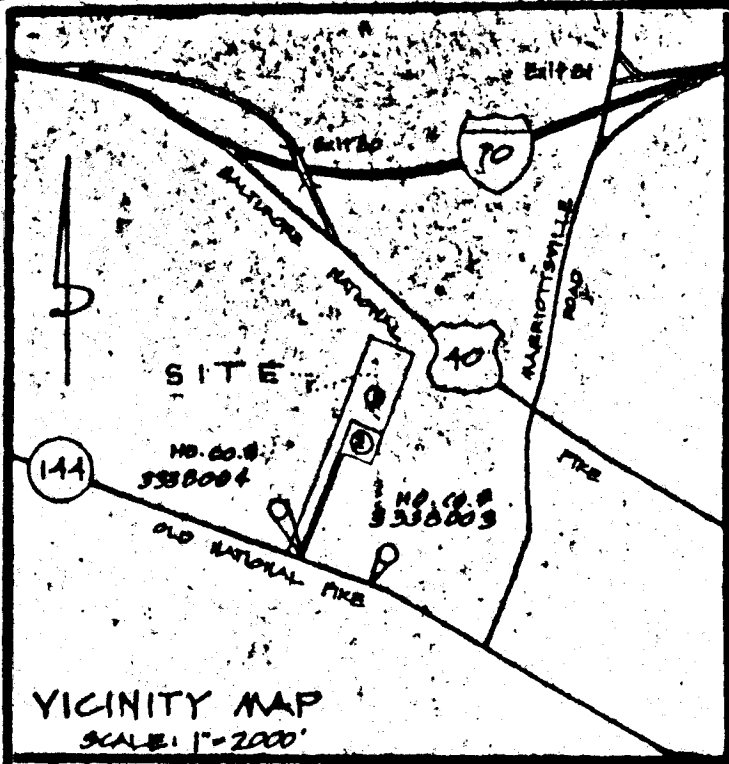
APPROVED: FOR PRIVATE WATER & SEWER SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER _____ DATE _____

REVISED PLOT PLAN, SHOWING RE-LOC HOUSE
~THOMPSON'S RANGE~
LOT 1.
LIBER 1672 FOLIO 704
PART OF PARCEL #199 TAX MAP #16
THIRD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SHEET 1 OF 1 ZONED "R" WP-89-177

VITTL ROBEL & ASSOCIATES
1717 YORK ROAD SUITE 2B
LUTHERVILLE, MARYLAND 21093
PHONE: (301) 262-4552

SCALE: 1"=100' DATE: 8-15-90



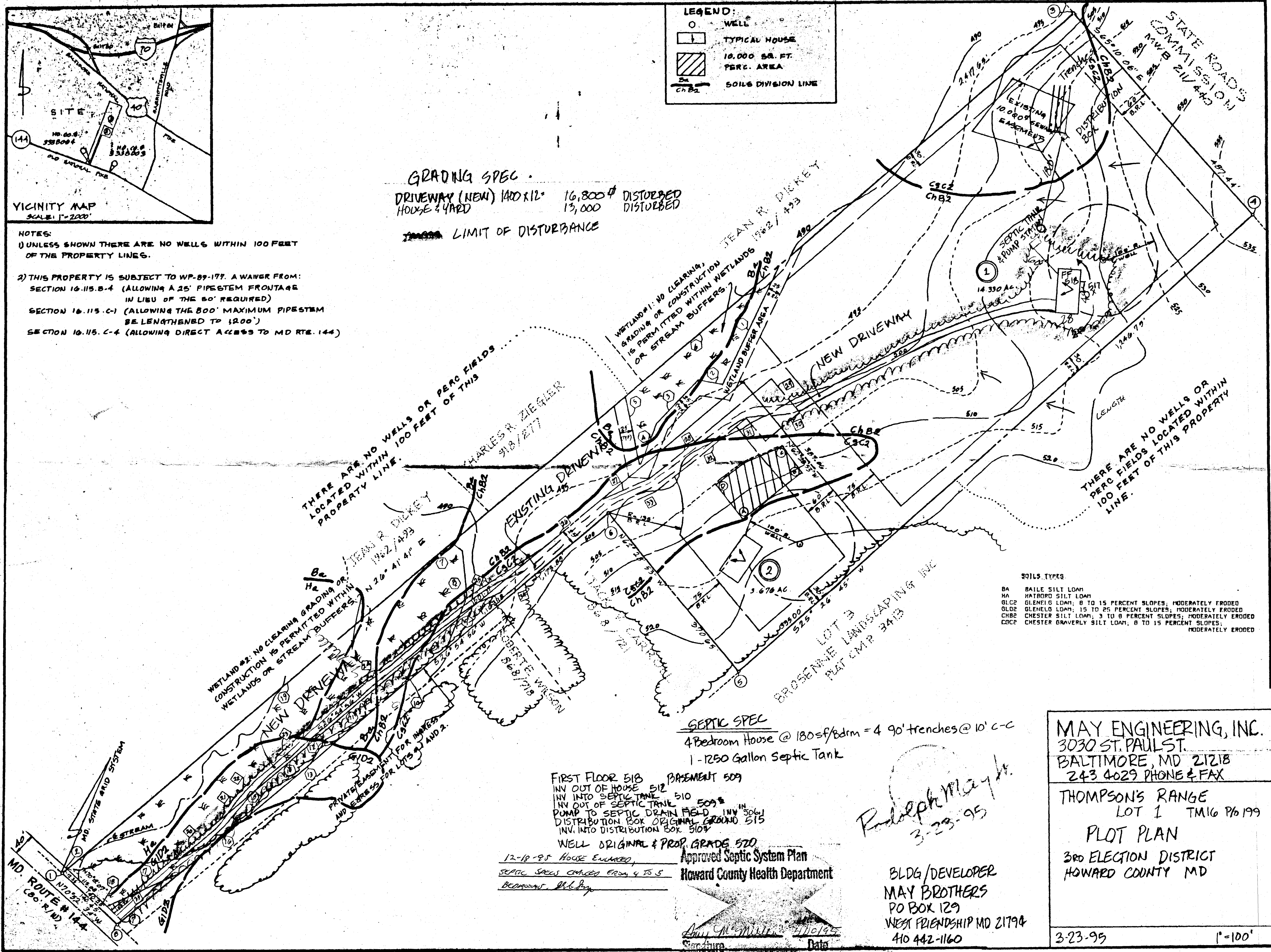
LEGEND:

- WELL
- TYPICAL HOUSE
- ▨ 10,000 SQ. FT. PERC. AREA
- Soils Division Line

GRADING SPEC.
 DRIVEWAY (NEW) 140' x 12' = 16,800' DISTURBED
 HOUSE & YARD = 13,000' DISTURBED

~~LIMIT~~ LIMIT OF DISTURBANCE

- NOTES:**
- 1) UNLESS SHOWN THERE ARE NO WELLS WITHIN 100 FEET OF THE PROPERTY LINES.
 - 2) THIS PROPERTY IS SUBJECT TO WP-89-177. A WAIVER FROM:
 SECTION 16.115.B-4 (ALLOWING A 25' PIPESTEM FRONTAGE IN LIEU OF THE 50' REQUIRED)
 SECTION 16.115.C-1 (ALLOWING THE 800' MAXIMUM PIPESTEM BE LENGTHENED TO 1200')
 SECTION 16.115.C-4 (ALLOWING DIRECT ACCESS TO MD RTE. 144)



THERE ARE NO WELLS OR PERC FIELDS LOCATED WITHIN 100 FEET OF THIS PROPERTY LINE.

THERE ARE NO WELLS OR PERC FIELDS LOCATED WITHIN 100 FEET OF THIS PROPERTY LINE.

SOILS TYPES

BA	BAILE SILT LOAM
HA	HATBROD SILT LOAM
GLC2	GLENELG LOAM; 8 TO 15 PERCENT SLOPES; MODERATELY ERODED
GLC2	GLENELG LOAM; 15 TO 25 PERCENT SLOPES; MODERATELY ERODED
CHB2	CHESTER SILT LOAM; 3 TO 8 PERCENT SLOPES; MODERATELY ERODED
CSC2	CHESTER GRAVELLY SILT LOAM; 8 TO 15 PERCENT SLOPES; MODERATELY ERODED

SEPTIC SPEC
 4 Bedroom House @ 180sf/bdrm = 4 90' trenches @ 10' C-C
 1-1250 Gallon Septic Tank

FIRST FLOOR 518 BASEMENT 509
 INV OUT OF HOUSE 512
 INV INTO SEPTIC TANK 510
 INV OUT OF SEPTIC TANK 509
 PUMP TO SEPTIC DRAIN FIELD INV 506.1
 DISTRIBUTION BOX ORIGINAL GROUND 515
 INV INTO DISTRIBUTION BOX 510.5

WELL ORIGINAL & PROP. GRADE 520
 12-18-95 HOUSE ENLARGED
 SEPTIC SPECS CHANGED FROM 4 TO 5 BEDROOMS. D.M. May

Approved Septic System Plan
 Howard County Health Department

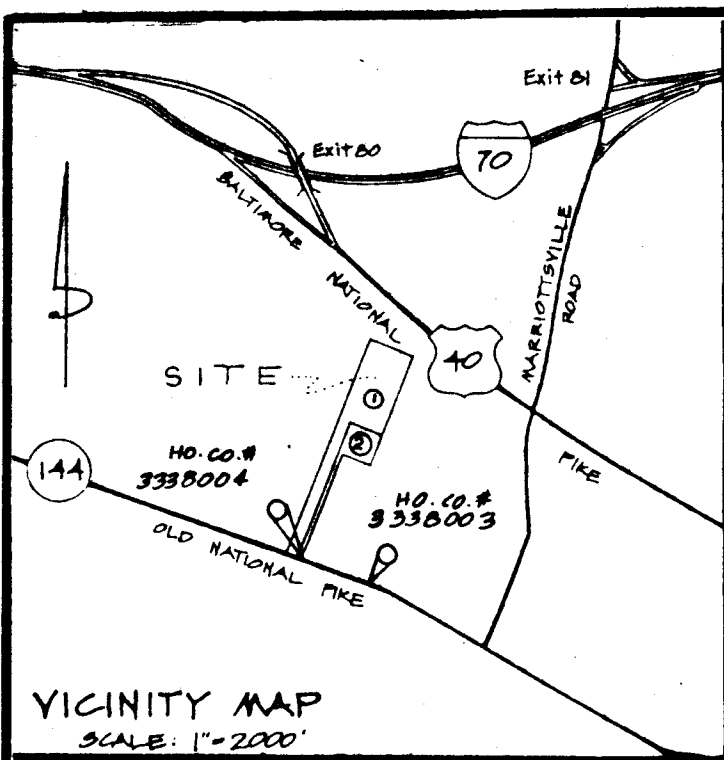
Rudolph May Jr.
 3-23-95

BLDG/DEVELOPER
 MAY BROTHERS
 PO BOX 129
 WEST FRIENDSHIP MD 21794
 410 442-1160

MAY ENGINEERING, INC.
 3030 ST. PAUL ST.
 BALTIMORE, MD 21218
 243 4029 PHONE & FAX

THOMPSON'S RANGE
 LOT 1 TM16 P/6 199
 PLOT PLAN
 3RD ELECTION DISTRICT
 HOWARD COUNTY MD

3-23-95 1"=100'

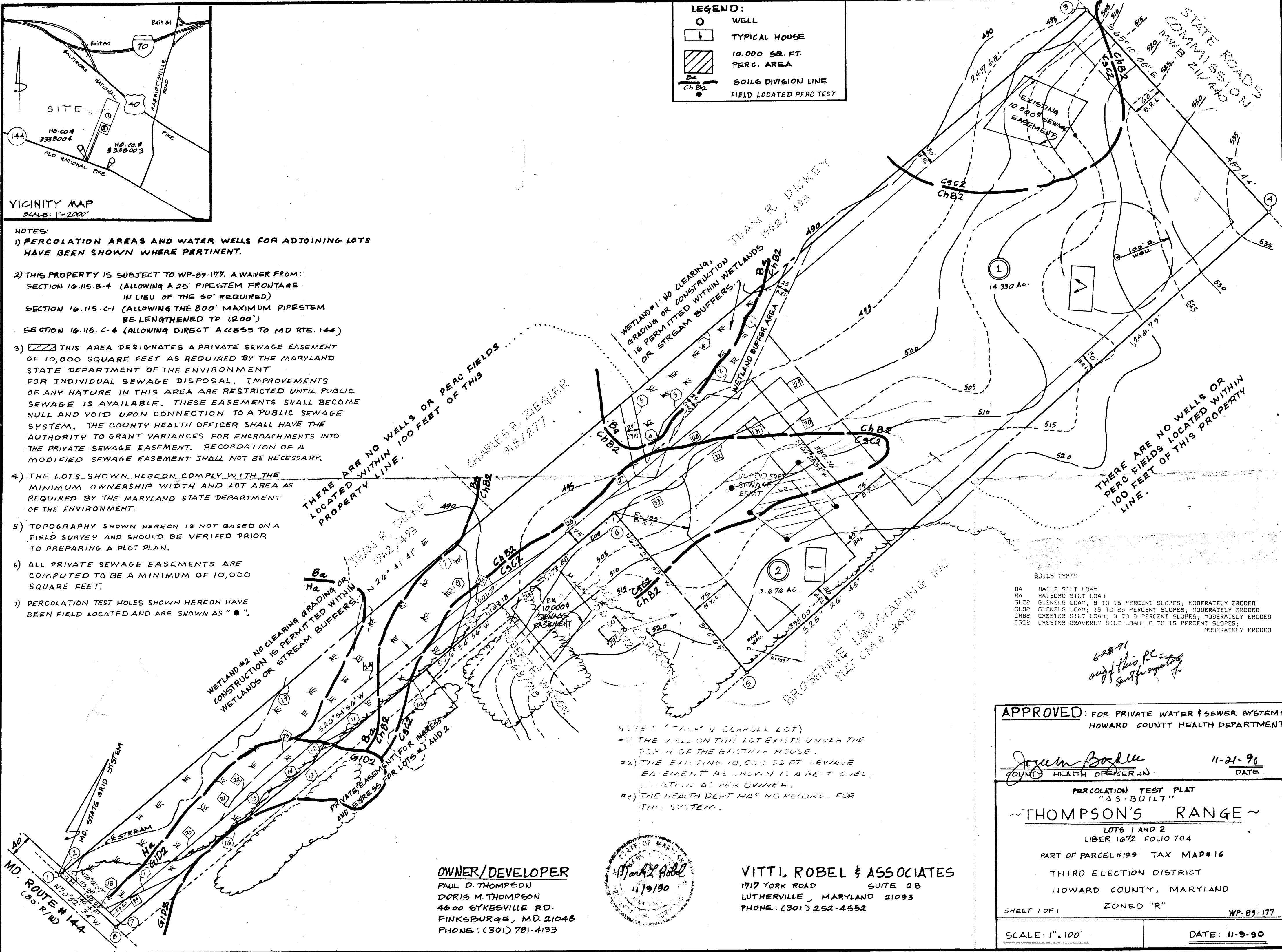


VICINITY MAP
SCALE: 1"=2000'

LEGEND:

- WELL
- TYPICAL HOUSE
- ▨ 10,000 SQ. FT. PERC. AREA
- SOILS DIVISION LINE
- FIELD LOCATED PERC TEST

- NOTES:**
- 1) PERCOLATION AREAS AND WATER WELLS FOR ADJOINING LOTS HAVE BEEN SHOWN WHERE PERTINENT.
 - 2) THIS PROPERTY IS SUBJECT TO WP-89-177. A WAIVER FROM: SECTION 16.115.B-4 (ALLOWING A 25' PIPESTEM FRONTAGE IN LIEU OF THE 50' REQUIRED) SECTION 16.115.C-1 (ALLOWING THE 800' MAXIMUM PIPESTEM BE LENGTHENED TO 1200') SECTION 16.115.C-4 (ALLOWING DIRECT ACCESS TO MD RTE. 144)
 - 3) 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 EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
 - 4) THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
 - 5) TOPOGRAPHY SHOWN HEREON IS NOT BASED ON A FIELD SURVEY AND SHOULD BE VERIFIED PRIOR TO PREPARING A PLOT PLAN.
 - 6) ALL PRIVATE SEWAGE EASEMENTS ARE COMPUTED TO BE A MINIMUM OF 10,000 SQUARE FEET.
 - 7) PERCOLATION TEST HOLES SHOWN HEREON HAVE BEEN FIELD LOCATED AND ARE SHOWN AS "●".

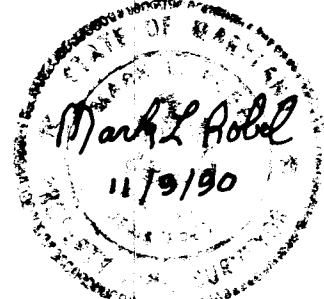


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CHB2	CHESTER SILT LOAM; 3 TO 9 PERCENT SLOPES; MODERATELY ERODED
CGC2	CHESTER GRAVELLY SILT LOAM; 8 TO 15 PERCENT SLOPES; MODERATELY ERODED

- NOTES:**
- 1) THE WELL ON THIS LOT EXISTS UNDER THE PORCH OF THE EXISTING HOUSE.
 - 2) THE EXISTING 10,000 SQ. FT. SEWAGE EASEMENT AS SHOWN IS A B.E.T. QUES. WITHIN A.P. PER OWNER.
 - 3) THE HEALTH DEPT HAS NO RECORD FOR THIS SYSTEM.

OWNER/DEVELOPER
 PAUL D. THOMPSON
 DORIS M. THOMPSON
 4000 SYKESVILLE RD.
 FINKSBURGE, MD. 21048
 PHONE: (301) 781-4133



VITTI, ROBEL & ASSOCIATES
 1717 YORK ROAD SUITE 2B
 LUTHERVILLE, MARYLAND 21093
 PHONE: (301) 252-4552

APPROVED: FOR PRIVATE WATER & SEWER SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT

Joyann Boxler
 COUNTY HEALTH OFFICER-IN-CHARGE
 DATE: 11-21-96

PERCOLATION TEST PLAT
 "AS-BUILT"
 ~THOMPSON'S RANGE~
 LOTS 1 AND 2
 LIBER 1672 FOLIO 704
 PART OF PARCEL #199 TAX MAP #16
 THIRD ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 ZONED "R"

SHEET 1 OF 1
 SCALE: 1"=100'
 DATE: 11-9-90
 WP-89-177

*62891
 orig of this PC
 sent for signature*

C1 3580

SEQUENCE NO. (DENV USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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 A38773

DATE RECEIVED 033095

DATE WELL COMPLETED 032595

DEPTH OF WELL 403 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-94-0382

OWNER Thompson Paul last name first name TOWN W. Friendship

STREET OR RFD Route 144 SUBDIVISION THOMPSON'S RANGE SECTION LOT

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), Check if water bearing. Rows include Dirt, Soft Br. Mica, Hard Blue Mica, Br. Mica, Blue Mica.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL CEMENT CM, NO. OF BAGS 31, NO. OF POUNDS 2914.

CASING RECORD: ST CO STEEL CONCRETE, PL OT PLASTIC OTHER, MAIN CASING TYPE S T, Nominal diameter 6, Total depth 86.

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, PL OT PLASTIC OTHER.

IN HARD ROCK AREAS, IDENTIFY SPECIFICALLY WHERE SATURATED FRACTURES WERE OBSERVED. WELL HYDROFRACTURED (Y).

CIRCLE APPROPRIATE LETTER: A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED.

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...

DRILLERS IDENT. NO. 256, DANA KYKER JR II, DRILLERS SIGNATURE, SITE SUPERVISOR (Sign of driller or journeyman responsible for sitework if different from permittee).

SCREEN RECORD table with columns: E A C H S C R E E N, DEPTH (nearest ft.), SLOT SIZE, DIAMETER OF SCREEN.

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER), T (E.R.O.S.), W Q (74, 75, 76), TELESCOPE CASING, LOG INDICATOR, OTHER DATA.

PUMPING TEST: HOURS PUMPED 6, PUMPING RATE 3.1, METHOD USED TO MEASURE PUMPING RATE submersible, WATER LEVEL BEFORE PUMPING 4, WHEN PUMPING 274, TYPE OF PUMP USED (for test) S submersible.

PUMP INSTALLED: DRILLER WILL INSTALL PUMP YES NO, TYPE OF PUMP INSTALLED S, CAPACITY: GALLONS PER MINUTE, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT (circle appropriate box and enter casing height) + above, - below, LAND SURFACE 2 (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). Lane, Route 144.

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-0382
 Location of property (road) Rt. 144
 Subdivision THOMPSON'S RANGE Lot 1 Block Plat Sec.
 Well Driller Westminster Rotary Owner Thompson, Paul

Depth of well 403 feet
 Distance of measuring point (M.P.) above ground 2 feet
 Static water level (S.W.L.) below M.P. 4 feet

I. High rate pumping -- reservoir drawdown

Time pump started 8:45am Pumping rate 3.1 gpm
 Total time 6hrs to reach pumping water level 274 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 $\times 1$ gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
8:45	4'	5 sec.		12
9:00	88'	5 sec.		12
9:15	149'	6 sec.		10
9:30	205'	7 sec.		8.5
9:45	253'	8 sec.		7.5
10:00	295'	19 sec.		3.1
10:15	294'	19 sec.		3.1
10:30	293'	19 sec.		3.1
10:45	293'	19 sec.		3.1
11:00	293'	19 sec.		3.1
11:15	293'	19 sec.		3.1
11:30	292'	19 sec.		3.1
11:45	291'	19 sec.		3.1
12:00	290'	19 sec.		3.1
12:15	289'	19 sec.		3.1
12:30	288'	19 sec.		3.1
12:45	287'	19 sec.		3.1
1:00	286'	19 sec.		3.1
1:15	285'	19 sec.		3.1
1:30	284'	19 sec.		3.1
1:45	283'	19 sec.		3.1
2:00	282'	19 sec.		3.1
2:15	281'	19 sec.		3.1
2:30	280'	19 sec.		3.1

