4/29/91

APPLICATION

A 46870

PERCOLATION TESTING

P

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

3-5-91 Preview ok. < 10,000 sq ft. SDA. Must maintain 25 ft from swale. Possible wet soils due to landscape position. Align SDA toward Lot-3 JEN.

DISTRICT

DATE 3/6/91

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 MR. & MRS. JOHN HERDER

ADDRESS 4088 ROXBURY MILL RD. PHONE JOHN REUWER 740-2400 X223

PROSPECTIVE BUYER N/A

ADDRESS PHONE

PROPERTY LOCATION:

SUBDIVISION HERDER PROPERTY LOT NO. 4

ROAD AND DESCRIPTION ROXBURY MILLS RD. (RT 97)

TAX MAP 21 PARCEL # 5

SIZE OF LOT 3.03 AC. +/- 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 for owners
(SIGNATURE OF APPLICANT)

APPROVED BY FOR DATE

REJECTED BY FOR DATE

HOLD PENDING FURTHER TESTS DATE

REASONS FOR REJECTION OR HOLDING 5 HOLD FOR REVIEW ON THIS LOT THERE CAN BE NO GRAVITY FLOW FROM HOUSE SITE TO SEWAGE EASEMENT. ALSO DIFFICULT TO FIND A WELL SITE HIGHER THAN THE SEWAGE DISPOSAL AREA RIT

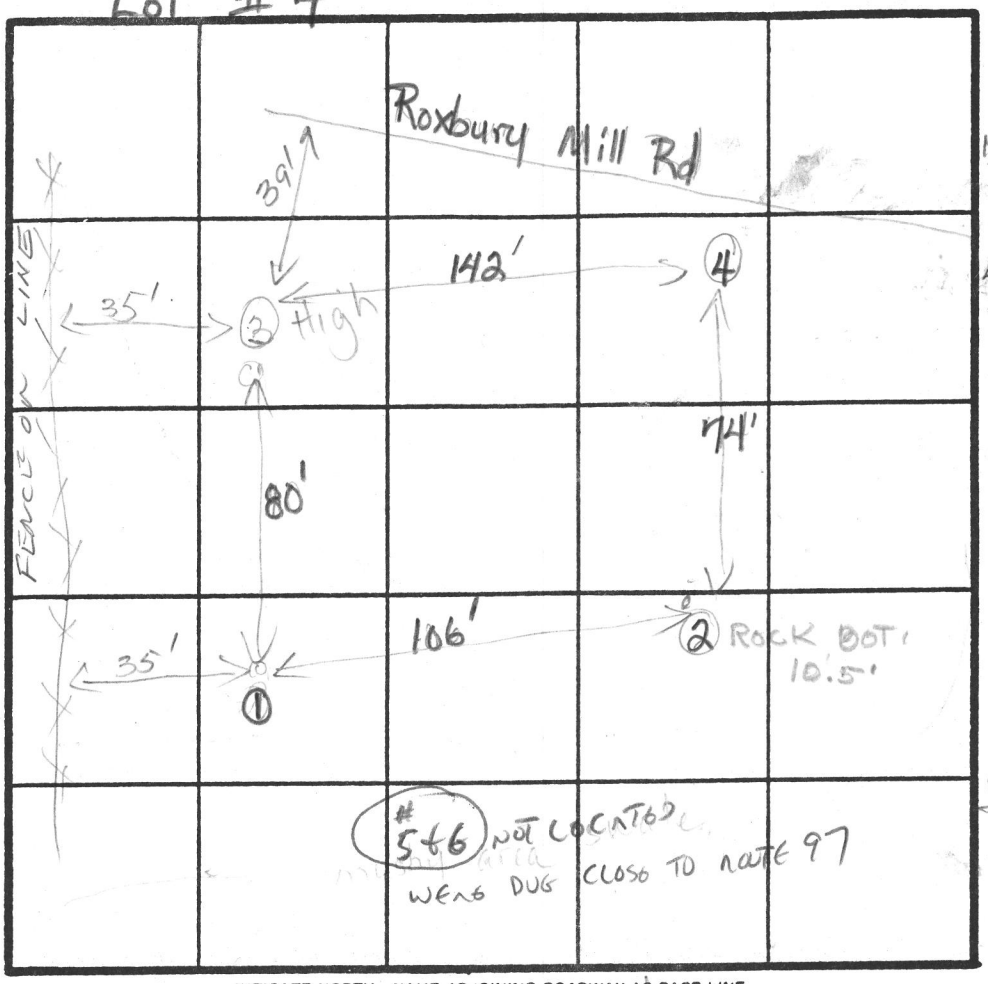
HD-216

THIS IS NOT A PERMIT

Lot #4

A-46870

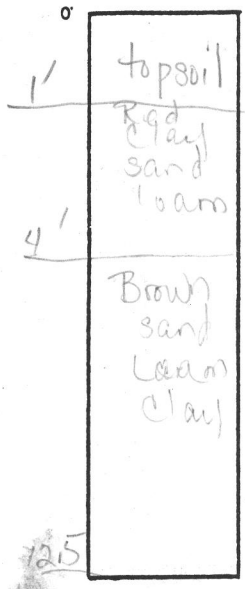
Lot #4



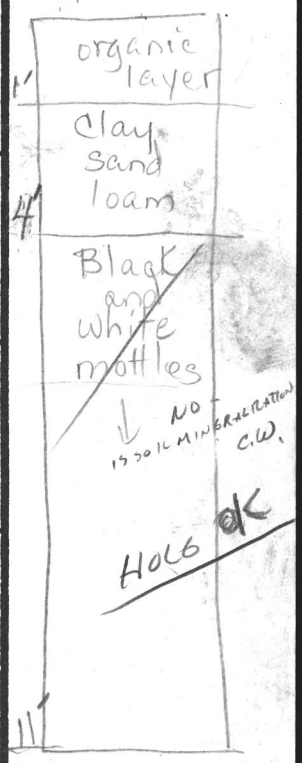
INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Route 97

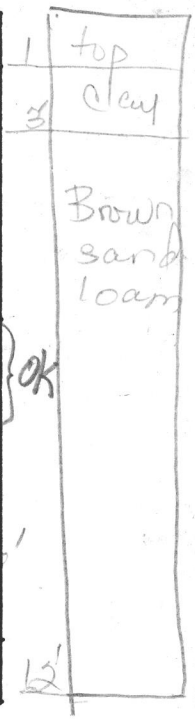
#1
SOIL PROFILE



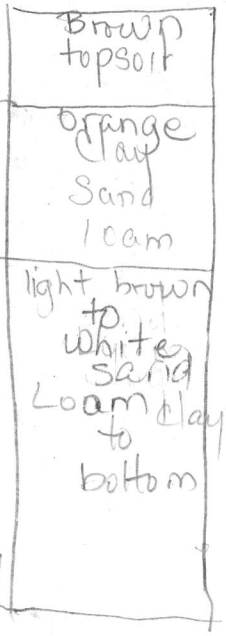
#3



#4



#2



DATE	TEST NO.	DEPTH	PRE-WET START	PRE-WET STOP	TEST - 1" DROP START	TEST - 1" DROP STOP	TIME
4-25-31	(1) S	3.5' to bottom of hole	10:59	11:03	11:03	11:09	(6)
	(1) ✓	12.5	OK				
	(2) S	5.5	11:03	11:13	11:13	11:26	(13)
	(2) ✓	Rx bottom at 10.5'				OK SHALLOW	
	(3) S	5.5'	11:12	11:12	11:12	11:15	(3) OK
	(3) ✓	8'	11:09	11:16	11:16	11:26	(10)
	(4) ✓	visual	OK				
	(5) ✓	failed	water at 8'			FAIL wet at 6'	
	(6) ✓	9.5'				FAIL	

GOOD
REMARKS PERC HOLES NOT DUG PER SURVEYOR STAKES

TYPE OF SOIL

TESTED BY B/H & DB Discussion ALSO PRESENT John Renwer Mc Kettenan

HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

June 3, 1991

Reply to:

Mr. John Herder
4088 Roxbury Mill Road
Brookville, Maryland 20833

RE: Percolation Test Results
Application Numbers: A46867 - A46870
Proposed Use: Subdivision - Minor
Property ID: Herder Property
Roxbury Mills Road
Tax Map: 21 Parcel: 5

Dear Mr. Herder:

Percolation testing conducted April 29, 1991 on the above referenced property indicated limited satisfactory soil conditions. Copies of the test results have been forwarded to the development agent (Reuwer).

Further review is contingent upon submission by a registered engineer of a percolation certification plat showing actual locations and elevations of all excavated test holes and a suitable house and well site. The plat should also include the location of all existing structures, wells and septic systems.

This should be submitted within sixty (60) days to allow field verification if necessary. If the proposal is for subdivision or for commercial use, a groundwater appropriations permit must be approved prior to approval of either the record plat or the site development plan.

If you have any questions regarding this matter, please feel free to contact me at the above address or by calling 461-9933.

Very truly yours,

Craig Williams

Craig Williams, Director
Water and Sewerage Program

ADDITIONAL TESTING PERFORMED 7/10/91
PERC PLAT TO BE REVISED.

CW:jr
Enclosures
cc: Fisher, Collins and Carter
File

Howard County Health Department

To: _____

Mtg w/the Herders & CW & MR: Mtg. result: Dig add'l test hole downhill of ex S.D.A & along 685.44' lot line (to claim new area for SDA lost due to cliff) and dig another hole to drain sewage out of ditch & then pump out sewage via scavenger

792-4230
John Herder
Meet owner
11 AM 9/16/93
for Layout/Site Insp for Repair in support of future proposed addition

From: _____

Date: _____

HD-170

Howard County Health Department

4/29/91

APPLICATION

A 46869

PERCOLATION TESTING

P _____

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

3-5-91 Preview ok, Swale may be wet. JEN

DISTRICT _____

DATE 3/6/91

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 MR & MRS JOHN HERDER

ADDRESS 4088 ROXBURY MILL RD PHONE JOHN REUWER 740-2100 X223

PROSPECTIVE BUYER N/A

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION HERDER PROPERTY LOT NO. 3

ROAD AND DESCRIPTION ROXBURY MILLS RD. (RT 97)

TAX MAP 21 PARCEL # 5

SIZE OF LOT 3.0 AC. +/- 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 Ryan for owners
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

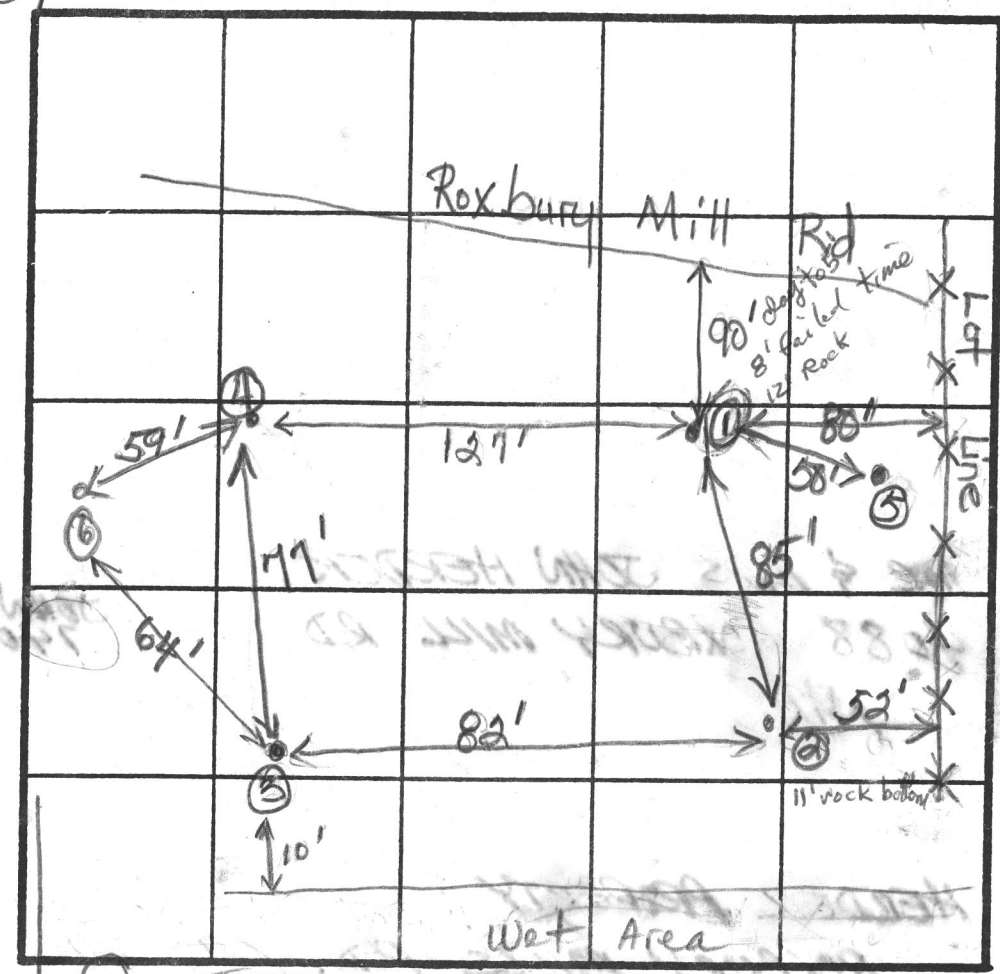
REASONS FOR REJECTION OR HOLDING 5/31/91 PERC OK HOLD FOR PLAT
7/10/91 - LOT LINE CHANGE 2 EXTRA HOLES DUG
PERC OK HOLD FOR REVISED PLAT

HD-216

THIS IS NOT A PERMIT

Lot 3 A-46869

Lot 3



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

#1 SOIL PROFILE

0'
1' topsoil
Red Clay
5'
Red/Brown Chunky Clay Loam
Large RX
12'

#2

1' topsoil
Red/Brown Clay Loam
Huge RX at bottom
11'

#3

1' topsoil
Clay Sand loam
4'
15% large black RX
12'

#4

1' topsoil
4' Clay
Red Brown Sand Loam Clay
13'

#5

1' topsoil
Clay
4'
Sand Loam with Clay
11.5'

#6

1' topsoil
Clay
2.5'
Orange Sand Loam with 15% BIK white/Rust Saprolite
13'

DATE	TEST NO.	DEPTH	PRE-WET START	PRE-WET STOP	TEST - 1" DROP START	TEST - 1" DROP STOP	TIME
4-27-91	S	6'	11:59	12:01	12:01	12:12	(11)
	(1) M	8'	11:59	12:27	12:27	1:03	(36)
	V	(12')	FAIL EP		Large	RX	Clay
	(2) S	6'	12:05	12:10	12:10	12:37	(27)
	V	11'	OK		Rock Bottom		
	(3) S	4'	12:08	12:14	12:14	12:18	(4)
	V	12'	OK				
	(4) V	13'	OK				
	(5) S	5'	3:26	3:30	3:30	3:31	(1)
	M	9.5	3.26	3:29	3:29	3:31	(2)
	(6) V	11.5 13'	OK				

REMARKS PERC HOLES NOT DUG PER SURVEYOR STAKES

TYPE OF SOIL

TESTED BY BHD DB Discussion ALSO PRESENT John Reuwer Mr. Ketterman

APPLICATION

A 46869

PERCOLATION TESTING

P _____

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

DISTRICT _____

DATE 3/6/91

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 MR & MRS JOHN HERDER JOHN REVNER

ADDRESS 4088 BOXBERRY MILLS CT PHONE 740-2100 X223

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION HERDER PROPERTY LOT NO. 3

ROAD AND DESCRIPTION BOXBERRY MILLS RD (RT 97)

TAX MAP 21 PARCEL # 5

SIZE OF LOT 3.0 AC +/- 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. _____
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

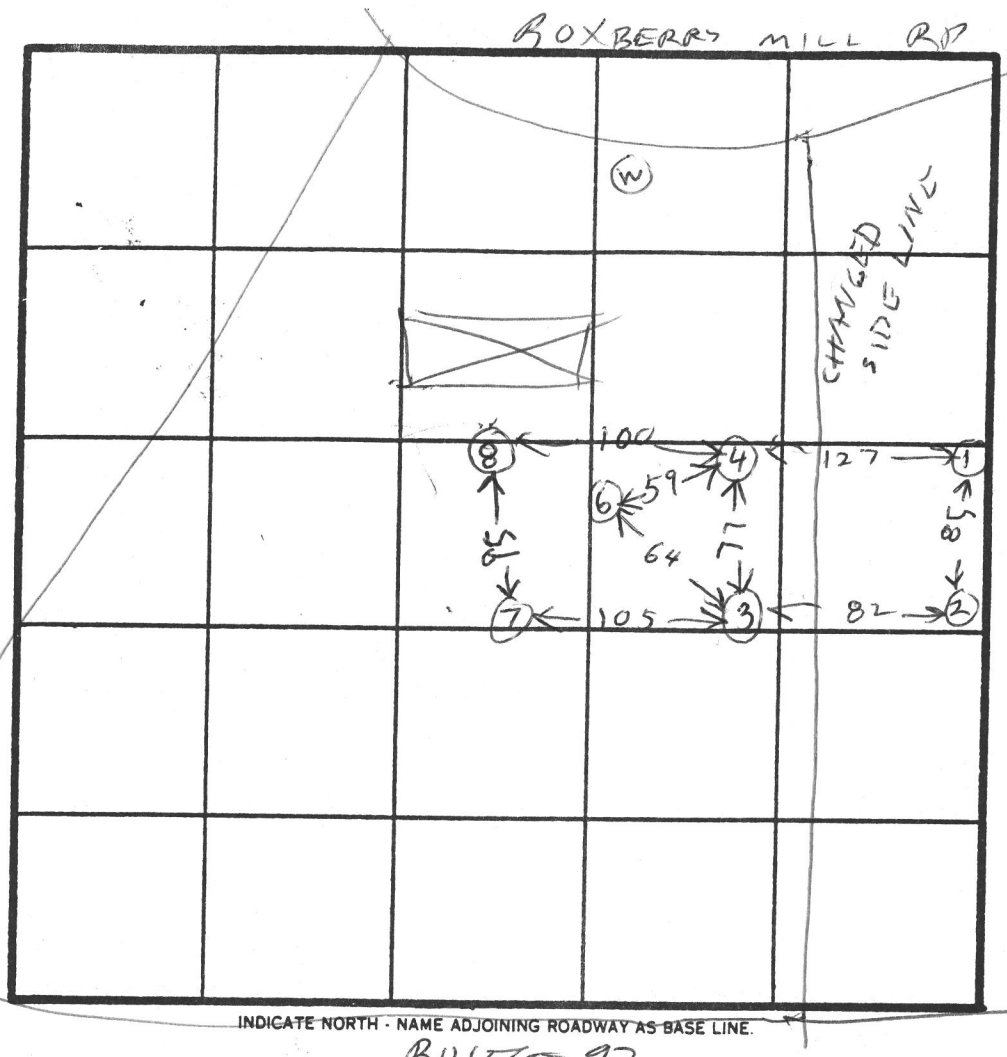
REASONS FOR REJECTION OR HOLDING _____

HD-216

THIS IS NOT A PERMIT

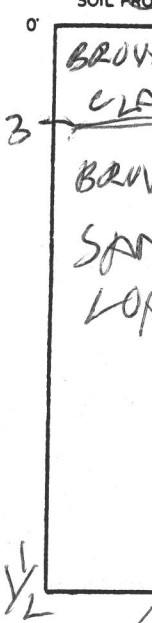
Lot 3

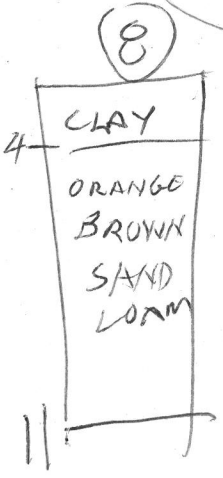
A46869



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

ROUTE 97



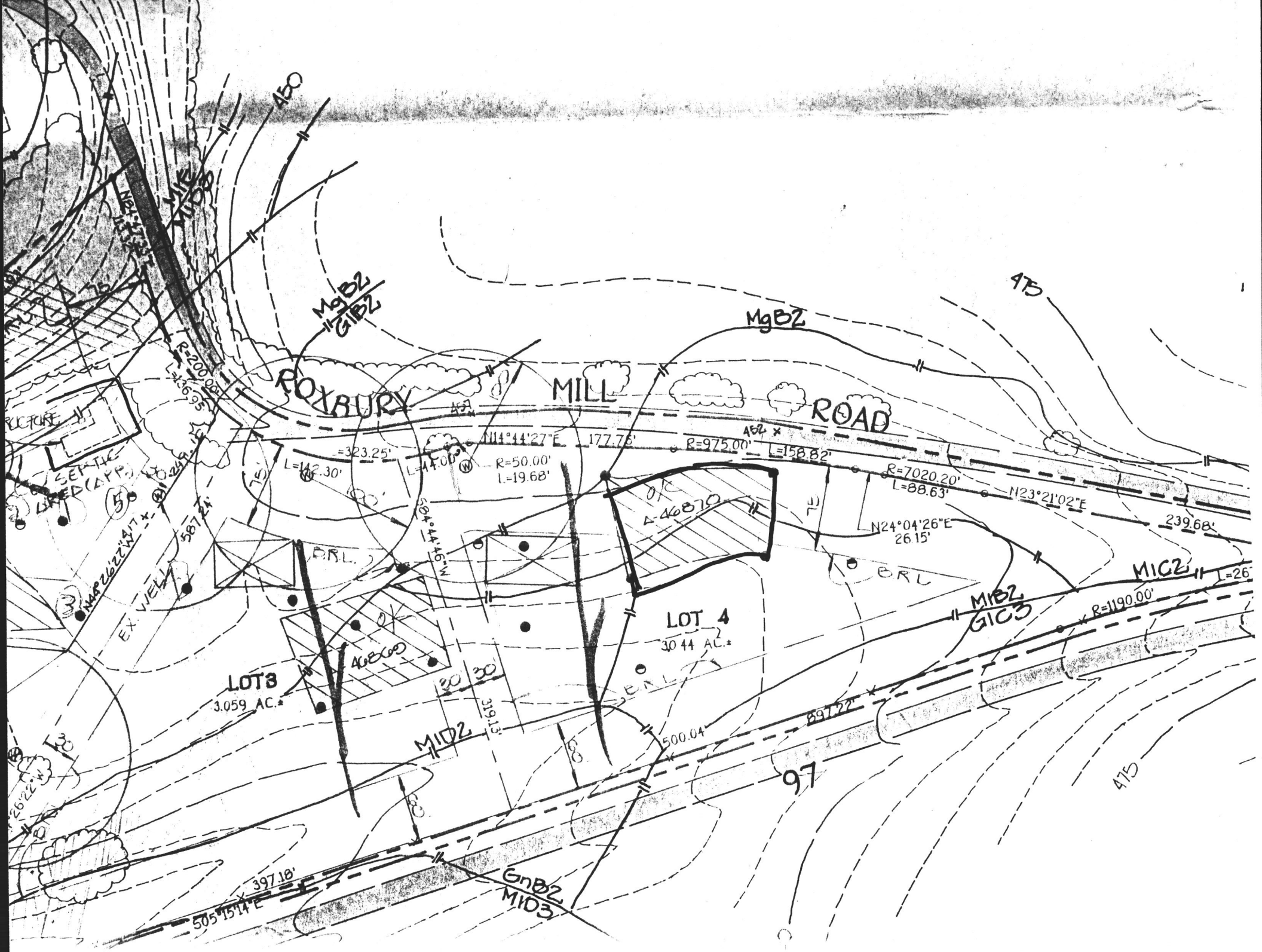


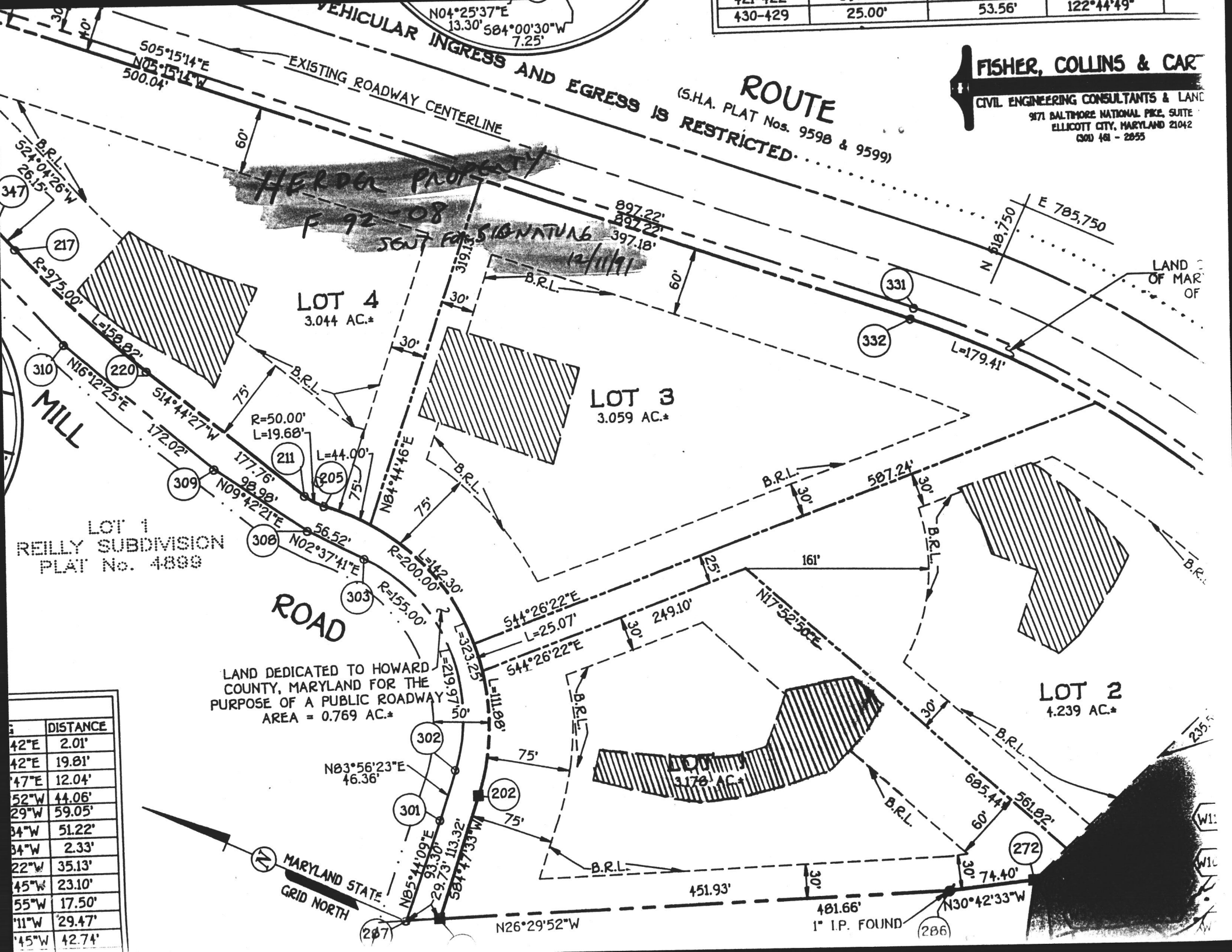
DATE	TEST NO.	DEPTH	PRE-WET START	PRE-WET STOP	TEST - 1" DROP START	TEST - 1" DROP STOP	TIME
7/10/91	7S 7V	4 12.5	230 OK	236	236	244	8
7/10/91	8V	11	OK				

REMARKS _____

TYPE OF SOIL _____

TESTED BY BAY HODGES ALSO PRESENT OKEY TEAMAN JR JOHN REVER


FOXBURY
MILL
ROAD
MgB2
GlB2
MgB2
MlB2
GlC3
MlC2
MlD2
GnB2
MlD3
LOT 4
30.44 AC.±
LOT 3
3.059 AC.±
EX. WELL
SEPTIC
LEACH FIELD (APP.)
PUMP STATION
B.R.L.
R=200.00'
L=136.95'
L=323.25'
L=142.30'
L=41.00'
R=50.00'
L=19.68'
N14°44'27"E 177.76'
R=975.00'
L=158.82'
R=7020.20'
L=88.63'
N23°21'02"E
239.68'
N24°04'26"E
26.15'
R=1190.00'
S84°44'46"W
S87°24'
N42°26'22"W 417.±
S89°22'
500.04'
319.13'
397.18'
S05°15'14"E
N26°22'W
460.00'
460.70'
20
20
60
60
60
60
97
475
480
485
490



430-429	25.00'	53.56'	122°44'49"

	DISTANCE
42"E	2.01'
42"E	19.81'
'47"E	12.04'
52"W	44.06'
29"W	59.05'
34"W	51.22'
34"W	2.33'
22"W	35.13'
45"W	23.10'
55"W	17.50'
'11"W	29.47'
'45"W	42.74'

HERDER PROPERTY

A 46870

SUBDIVISION:

LOT NUMBER: 4

DRY WELL OR DRY WELL AND TRENCH

_____ sq. ft./bedroom

	Septic Tank	Minimum Total Square Feet
3 bedroom	1000 gallon	_____
4 bedroom	1250 gallon	_____
5 bedroom	1500 gallon	_____

Inlet _____ feet below original grade.

Bottom maximum depth _____ feet below original grade.

Effective area begins at _____ feet below original grade.

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

TRENCHES

180 sq. ft./bedroom

Trench to be 2' wide.

Inlet 4 feet below original grade.

Bottom maximum depth 7 feet below original grade.

Effective area begins at 4 feet below original grade.

3 feet of stone below distribution pipe.

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

LOCATION: PLACE THE DISTRIBUTION BOX 20' FROM THE FRONT LOT LINE AND 250' FROM THE RIGHT LOT LINE AS SEEN WHEN FACING THE PROPERTY FROM ROXBURY MILL RD. RUN TRENCHES ALONG CONTOUR IN BOTH DIRECTIONS.

12/31/91 CWilliams

HD-191

Refile into
Mini subdiv.
drawer

Orig. prop. Lot 1
MAY be re-indexed
(refiled

SUBDIVISION: HERDER PROPERTY ROXBURY MILL RD.

A 46869

LOT NUMBER: 3

DRY WELL OR DRY WELL AND TRENCH

_____ sq. ft./bedroom

	Septic Tank	Minimum Total Square Feet
3 bedroom	1000 gallon	_____
4 bedroom	1250 gallon	_____
5 bedroom	1500 gallon	_____

Inlet _____ feet below original grade.

Bottom maximum depth _____ feet below original grade.

Effective area begins at _____ feet below original grade.

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

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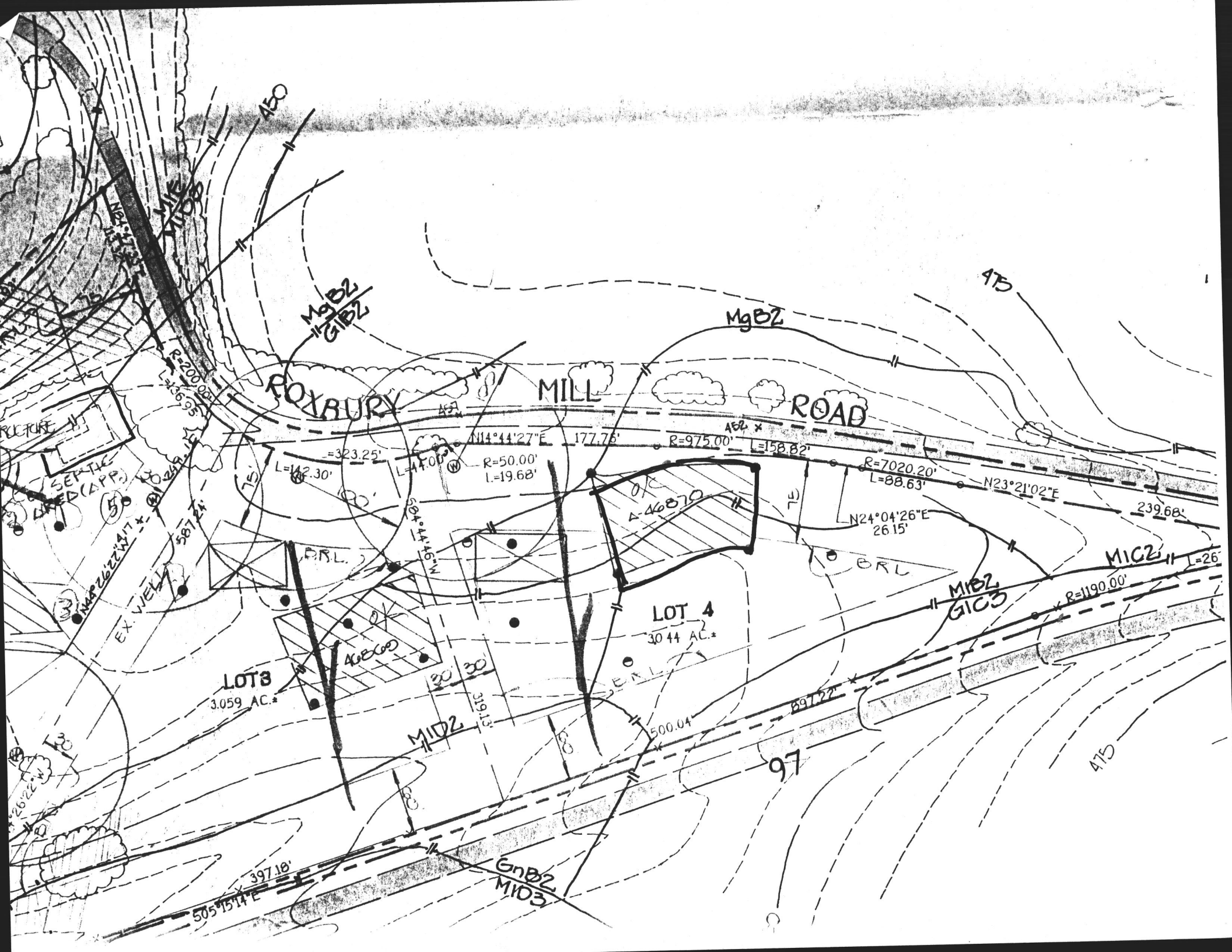
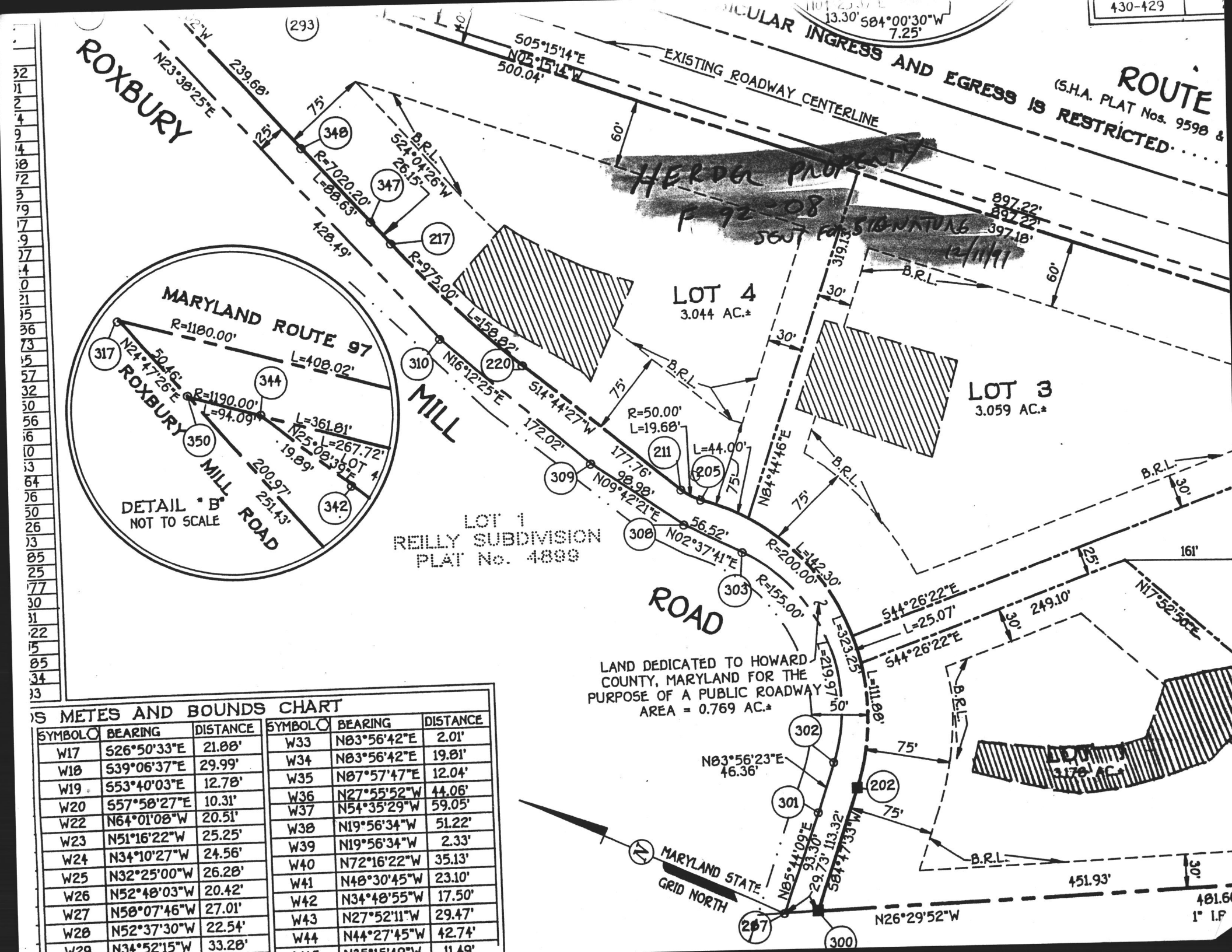
(3) Trenches to be installed on level ground.
(4) Call for inspection of trench before gravel is installed.
(5) Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank and drywell.
(6) If a garbage disposal is used, increase septic tank capacity by 50% and increase absorbent sidewall area by 22%.

LOCATION: START FIRST TRENCH 100' DOWN LEFT (319') LOT LINE AND 125' OFF THAT LOT LINE. RUN TRENCHES ALONG CONTOUR TOWARD LEFT LOT LINE.

12/31/91 CWells

HD-191

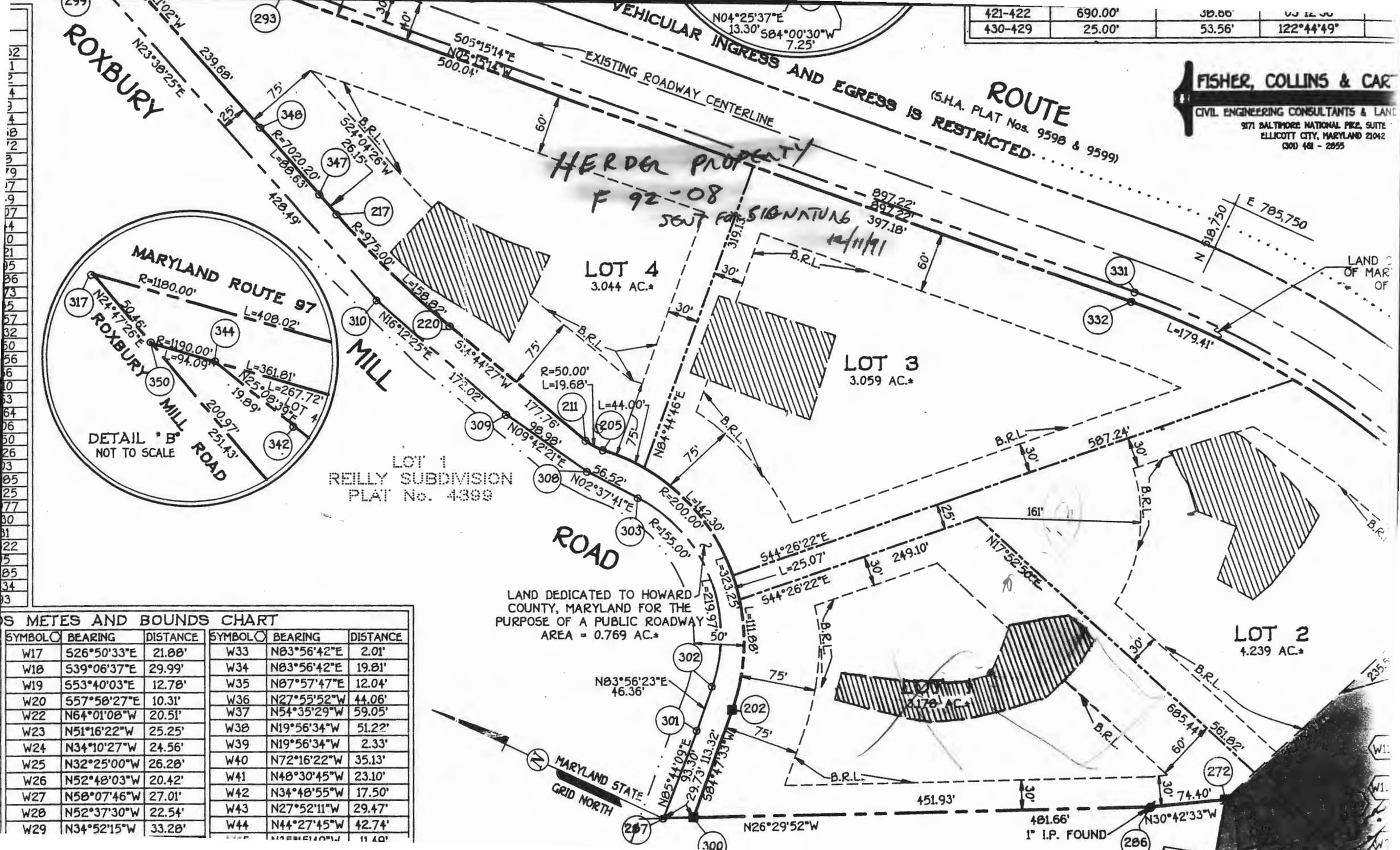

FOXBURY
MILL
ROAD
MgB2
GlB2
MgB2
M1B2
GlC3
M1C2
M1D2
GnB2
M1D3
LOT 4
30.44 AC.±
LOT 3
3.059 AC.±
EX. WELL
SEPTIC
LEACH FIELD (APP.)
BRL
N14°44'27"E 177.76'
R=975.00'
L=158.82'
R=7020.20'
L=88.63'
N23°21'02"E
239.68'
N24°04'26"E
26.15'
R=50.00'
L=19.68'
L=323.25'
L=142.30'
L=44.00'
R=200.00'
L=136.93'
S84°44'46"W
S87°24'
N49°26'22"W 417'±
S26°22'±
S05°15'14"E 397.18'
319.13'
500.04'
897.22'
R=1190.00'
A-46870
46870
450
455
460
465
470
475
97



METES AND BOUNDS CHART

SYMBOL	BEARING	DISTANCE
W17	S26°50'33"E	21.88'
W18	S39°06'37"E	29.99'
W19	S53°40'03"E	12.78'
W20	S57°58'27"E	10.31'
W22	N64°01'08"W	20.51'
W23	N51°16'22"W	25.25'
W24	N34°10'27"W	24.56'
W25	N32°25'00"W	26.28'
W26	N52°48'03"W	20.42'
W27	N58°07'46"W	27.01'
W28	N52°37'30"W	22.54'
W29	N34°52'15"W	33.28'

SYMBOL	BEARING	DISTANCE
W33	N83°56'42"E	2.01'
W34	N83°56'42"E	19.81'
W35	N87°57'47"E	12.04'
W36	N27°55'52"W	44.06'
W37	N54°35'29"W	59.05'
W38	N19°56'34"W	51.22'
W39	N19°56'34"W	2.33'
W40	N72°16'22"W	35.13'
W41	N48°30'45"W	23.10'
W42	N34°48'55"W	17.50'
W43	N27°52'11"W	29.47'
W44	N44°27'45"W	42.74'
W45	N25°15'48"W	11.49'



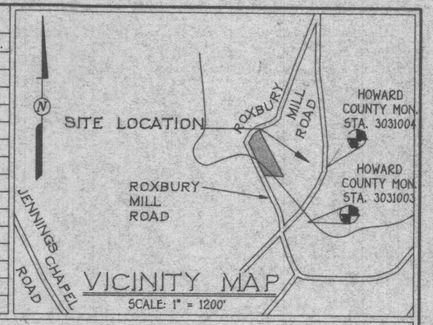
421-422	690.00'	38.66'	03°12'56"
430-429	25.00'	53.56'	122°44'49"

METES AND BOUNDS CHART

SYMBOL	BEARING	DISTANCE	SYMBOL	BEARING	DISTANCE
W17	S26°50'33"E	21.88'	W33	N83°56'42"E	2.01'
W18	S39°06'37"E	29.99'	W34	N83°56'42"E	19.81'
W19	S53°40'03"E	12.78'	W35	N87°57'47"E	12.04'
W20	S57°58'27"E	10.31'	W36	N27°55'52"W	44.06'
W22	N64°01'08"W	20.51'	W37	N54°35'29"W	59.05'
W23	N51°16'22"W	25.25'	W38	N19°56'34"W	51.22'
W24	N34°10'27"W	24.56'	W39	N19°56'34"W	2.33'
W25	N32°25'00"W	26.28'	W40	N72°16'22"W	35.13'
W26	N52°48'03"W	20.42'	W41	N48°30'45"W	23.10'
W27	N58°07'46"W	27.01'	W42	N34°48'55"W	17.50'
W28	N52°37'30"W	22.54'	W43	N27°52'11"W	29.47'
W29	N34°52'15"W	33.28'	W44	N44°27'45"W	42.74'

CURVE DATA

PT. - PT.	RADIUS	ARC	DELTA	TANGENT	CHORD BEARING & DIST.
205-202	200.00'	323.25'	92°36'17"	209.30'	S36°29'24"W 289.20'
211-205	50.00'	19.68'	22°33'11"	9.97'	S03°27'51"W 19.55'
217-220	975.00'	158.82'	09°19'59"	79.59'	S19°24'26"W 158.64'
293-350	1190.00'	361.81'	17°25'12"	182.31'	N03°27'22"E 360.41'
293-344	1190.00'	267.72'	12°53'24"	134.43'	N01°11'28"E 267.15'
302-303	155.00'	219.97'	81°18'43"	133.11'	N43°17'02"E 201.97'
317-292	1180.00'	408.02'	19°48'41"	206.06'	N04°39'06"E 405.99'
318-332	860.40'	737.78'	49°07'50"	393.29'	N19°19'04"E 715.39'
331-316	870.40'	746.36'	49°07'50"	397.86'	S19°19'04"W 723.70'
342-343	2320.00'	72.63'	01°47'37"	36.32'	S24°14'51"W 72.62'
348-347	7020.20'	88.63'	00°43'24"	44.31'	S23°42'44"W 88.63'
350-344	1190.00'	94.09'	04°31'48"	47.07'	S09°54'04"W 94.06'
410-411	540.00'	116.25'	12°20'04"	58.35'	S19°32'13"E 116.03'
421-422	690.00'	38.66'	03°12'36"	19.33'	S24°05'57"E 38.65'
430-429	25.00'	53.56'	122°44'49"	45.80'	S74°44'35"E 43.89'



COORDINATE TABLE

POINT	NORTH	EAST
111	518002.299	785207.882
202	518986.497	785083.201
205	518212.857	785263.192
211	519232.376	785264.374
217	519553.916	785362.319
220	519404.285	785309.604
262	518452.735	785002.658
272	518507.793	785209.972
286	518571.757	785171.978
287	519002.820	784957.079
292	519697.030	785546.307
293	519696.114	785536.349
299	519873.410	785473.807
300	518976.212	784970.344
301	519009.757	785050.120
302	519014.652	785096.221
303	519161.679	785234.695
308	519218.139	785237.286
309	519315.703	785253.973
310	519480.886	785301.985
316	518120.624	785389.057
317	520101.679	785579.232
318	518127.556	785381.850
326	517989.039	785206.856
327	518989.796	785214.066
329	517981.012	785240.910
330	517977.559	785251.463
331	518803.578	785628.464
332	518802.664	785618.506
342	519945.204	785533.450
343	519878.987	785503.626
344	519963.211	785541.903
347	519577.790	785372.985
348	519656.934	785408.625
350	520055.872	785556.077
410	518132.845	785180.630
411	518023.499	785219.431
421	518313.603	785094.822
422	518278.320	785110.605
423	518461.002	785033.785
429	518004.536	785263.534
430	518016.085	785221.193

WETLANDS METES AND BOUNDS CHART

SYMBOL	BEARING	DISTANCE	SYMBOL	BEARING	DISTANCE	SYMBOL	BEARING	DISTANCE
W2	S30°48'37"E	12.97'	W17	S26°50'33"E	21.88'	W33	N83°56'42"E	2.01'
W3	S40°38'45"E	25.91'	W18	S39°06'37"E	29.99'	W34	N83°56'42"E	19.81'
W4	S33°50'05"E	19.16'	W19	S53°40'03"E	12.78'	W35	N87°57'47"E	12.04'
W5	S26°28'09"E	23.79'	W20	S57°58'27"E	10.31'	W36	N27°55'52"W	44.06'
W6	N32°28'16"W	28.50'	W22	N64°01'08"W	20.51'	W37	N54°35'29"W	59.05'
W7	S24°37'28"E	1.18'	W23	N51°16'22"W	25.25'	W38	N19°56'34"W	51.22'
W8	S24°37'28"E	26.68'	W24	N34°10'27"W	24.56'	W39	N19°56'34"W	2.33'
W9	S84°08'28"E	24.47'	W25	N32°25'00"W	26.28'	W40	N72°16'22"W	35.13'
W10	S48°52'11"E	18.21'	W26	N52°48'03"W	20.42'	W41	N48°30'45"W	23.10'
W11	S74°00'47"E	43.36'	W27	N58°07'46"W	27.01'	W42	N34°48'55"W	17.50'
W12	S58°34'05"E	8.43'	W28	N52°37'30"W	22.54'	W43	N27°52'11"W	29.47'
W13	S56°14'20"E	22.14'	W29	N34°52'15"W	33.28'	W44	N44°27'45"W	42.74'
W14	S19°52'54"E	83.02'	W30	N27°28'56"W	24.46'	W45	N35°15'49"W	11.49'
W15	S14°08'09"W	30.99'	W31	N67°53'11"E	7.20'			
W16	S08°18'18"W	25.17'	W32	S52°31'36"E	46.31'			

TOTAL SHEET AREA TABULATION

TOTAL NUMBER OF BUILDABLE LOTS TO BE RECORDED	4
TOTAL NUMBER OF OPEN SPACE LOTS TO BE RECORDED	1
TOTAL NUMBER OF LOTS TO BE RECORDED	5
TOTAL AREA OF BUILDABLE LOTS TO BE RECORDED	13.520 AC.±
TOTAL AREA OF OPEN SPACE LOTS TO BE RECORDED	0.833 AC.±
TOTAL AREA OF LOTS TO BE RECORDED	14.353 AC.±
TOTAL AREA OF 100 YEAR FLOOD PLAIN TO BE RECORDED	3.345 AC.±
TOTAL AREA OF ROXBURY MILL ROAD WIDENING	1.095 AC ±
TOTAL AREA OF MARYLAND ROUTE 97 WIDENING	0.510 AC.±
TOTAL AREA OF ROADWAY TO BE RECORDED	1.605 AC.±
TOTAL AREA TO BE RECORDED	15.958 AC.±

MINIMUM LOT AREA TABULATION

LOT No.	TOTAL LOT AREA	FLOOD PLAIN AREA	SLOPES OF 25% OR GREATER	PIPE STEM AREA	RESULTING MINIMUM LOT AREA
1	3.178 AC.±	0.749 AC.±	0.865 AC.±	———	1.564 AC.±
2	4.239 AC.±	1.763 AC.±	0.470 AC.±	0.143 AC.±	1.863 AC.±
3	3.059 AC.±	———	———	———	3.059 AC.±
4	3.044 AC.±	———	———	———	3.044 AC.±

OWNER & DEVELOPER
MR. & MRS. JOHN HERDER
4088 ROXBURY MILL ROAD
GLENWOOD, MARYLAND 21738

IN THE 'R' DISTRICT UP TO 50% OF THE MINIMUM LOT SIZE MAY BE LAID IN THE 100 YR. FLOODPLAIN OR STEEP SLOPES 25% OR GREATER

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
9171 BALTIMORE NATIONAL PIKE, SUITE 100
ELLICOTT CITY, MARYLAND 21042
(301) 461 - 2855

* NOTE: THE 110' BUILDING RESTRICTION IS BASED UPON SECTION 4.2.9 NOISE STUDIES OUTLINED IN HOWARD COUNTY DESIGN MANUAL VOLUME III.

GENERAL NOTES:

1. ▨ THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE 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' AS PER 8/2/85 COMPREHENSIVE ZONING PLAN.
4. THE COORDINATES SHOWN HEREON ARE BASED ON NAD '27 MARYLAND STATE COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATION Nos. 3031003 AND 3031004.
   STA. 3031003 N 518253.334, E 785551.530
   STA. 3031004 N 518782.413, E 785678.057
5. B.R.L. DENOTES BUILDING RESTRICTION LINE.
6. NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN WETLAND OR STREAM BUFFERS.
7. ⩲⩲ DENOTES WETLAND AREAS.
8. OPEN SPACE REQUIRED: (15.958 AC.) (5%) = 0.798 ACRES
9. OPEN SPACE PROVIDED: 0.833 ACRES
10. 396.0 DENOTES APPROXIMATE ELEVATION OF 100 YEAR FLOOD LEVEL.
11. THERE IS AN EXISTING DWELLING ON LOT No. 1 TO REMAIN.
12. 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.
13. PROPERTY SUBJECT TO WP-92-15, A WAIVER FROM SEC. 16.115.b.4 TO REDUCE THE 50 FOOT MINIMUM PUBLIC ROAD FRONTAGE TO 25' FOR LOT No. 2; WAIVER APPROVED ON SEPTEMBER 3, 1991.
14. DRIVEWAY(S) SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING (MINIMUM) REQUIREMENTS:
   a) WIDTH - 12 FEET (16 FEET SERVING MORE THAN ONE RESIDENCE);
   b) SURFACE - SIX (6") OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING;
   c) GEOMETRY - MAXIMUM 15% GRADE, MAXIMUM 10% GRADE CHANGE AND MINIMUM OF 45 FOOT TURNING RADIUS;
   d) STRUCTURES (CULVERT/BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (H25 LOADING);
   e) DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100 YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE;
   f) STRUCTURE CLEARANCES - MINIMUM 12 FEET;
   g) MAINTENANCE - SUFFICIENT TO INSURE ALL WEATHER USE.
15. ■ DENOTES CONCRETE MONUMENT SET WITH ALUMINUM PLATE "F.C.C. 10692".
16. ■ DENOTES STONE OR MONUMENT FOUND.
17. ○ DENOTES ANGULAR CHANGE IN BEARING OF BOUNDARY OR RIGHTS-OF-WAY.
18. ● DENOTES IRON PIN CAPPED "F.C.C. 10692".
19. ● DENOTES IRON PIPE OR IRON PIN FOUND.
20. THIS PLAT IS BASED ON FIELD RUN BOUNDARY SURVEY PREPARED ON OR ABOUT MARCH 19, 1991 BY FISHER, COLLINS & CARTER, INC.

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

HOWARD COUNTY HEALTH OFFICER — DATE 12-12-91

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

DIRECTOR — DATE 2/20/92

APPROVED: FOR STORM DRAINAGE SYSTEMS, AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

DIRECTOR — DATE 2/10/92

OWNER'S CERTIFICATE

JOHN JEFFREY HERDER AND SUSAN JEROME HERDER, 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 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 BUILDINGS OR SIMILAR STRUCTURE OF ANY KIND SHALL BE ERECTED ON OR OVER THE SAID EASEMENTS AND RIGHTS-OF-WAY. WITNESS OUR HANDS THIS 16th DAY OF OCTOBER, 1991.

JOHN JEFFREY HERDER — WITNESS

SUSAN JEROME HERDER — WITNESS

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT; THAT IT IS A SUBDIVISION OF ALL OF THE THAT LAND CONVEYED BY J. GARRETT REILLY AND CATHERINE B. REILLY, HIS WIFE, TO JOHN JEFFREY HERDER AND SUSAN JEROME HERDER, HIS WIFE, BY DEED DATED JANUARY 21, 1977 AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN LIBER No. 807 AT FOLIO 38 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, MARYLAND, AS SHOWN, IN ACCORDANCE WITH THE ANNOTATED CODE OF MARYLAND, AS AMENDED, AND THE BOUNDARY SURVEY IS IN ACCORDANCE WITH THE HOWARD COUNTY SUBDIVISION REGULATIONS.

TERRELL A. FISHER L.S. No. 10692 — DATE 10.17.91

RECORDED AS PLAT No. 10225 ON Feb 26, 1992 AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND.

HERDER PROPERTY

LOTS 1 - 5

ZONING 'R'

TAX MAP No. 21 PARCEL 5

FOURTH ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

0' 100' 150' 200'

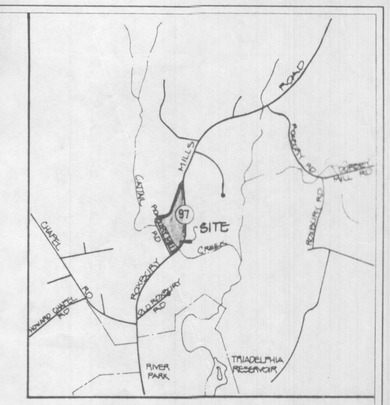
Scale in Feet

DATE: NOVEMBER 30, 1991

F-92-08

Signed file copy

F-92-08



VICINITY MAP

SCALE 1" = 2000

NOTES:

1. [hatched] THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY 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.
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 "E".
4. PERCOLATION AREAS AND WATER WELLS FOR ADJOINING LOTS WILL BE SHOWN WHERE PERTINENT.

LEGEND

- DENOTES LOCATION OF DWELLING
- (W) DENOTES PROPOSED WELL
- DENOTES FIELD LOCATION OF PERC HOLES
- DENOTES FIELD LOCATION OF PERC HOLES (FAILED)

1" = 100'

E 785,000 N 517,500

E 785,000 N 520,000

ROXBURY MILL ROAD

MARYLAND ROUTE 97

OPEN SPACE LOT 5 1.133 AC.±

LOT 1 3.017 AC.±

LOT 2 4.100 AC.±

LOT 3 1.059 AC.±

LOT 4 30.44 AC.±

EX. HOUSE & FUTURE REMOVAL

EX. STRUCTURES TO BE RAZED

EX. WELLS TO BE RELOCATED

ADD: APPROXIMATE LOCATION EXISTING SEPTIC SYSTEM

LOT 4 NOTE FIRST FLOOR SERVICE ONLY

P.O.C. N 517,500 E 786,000

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
9171 BALTIMORE NATIONAL PIKE, SUITE 100
ELLICOTT CITY, MARYLAND 21042
(301) 461 - 2855

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

COUNTY HEALTH OFFICER DATE

OWNER/DEVELOPER
MR. & MRS. JOHN HERDER
4080 ROXBURY MILL ROAD
GLENWOOD, MARYLAND 21738

10,000 SF NO LOWER THAN LOWEST PERC HOLES.

WED. AFTERNOON 1:30

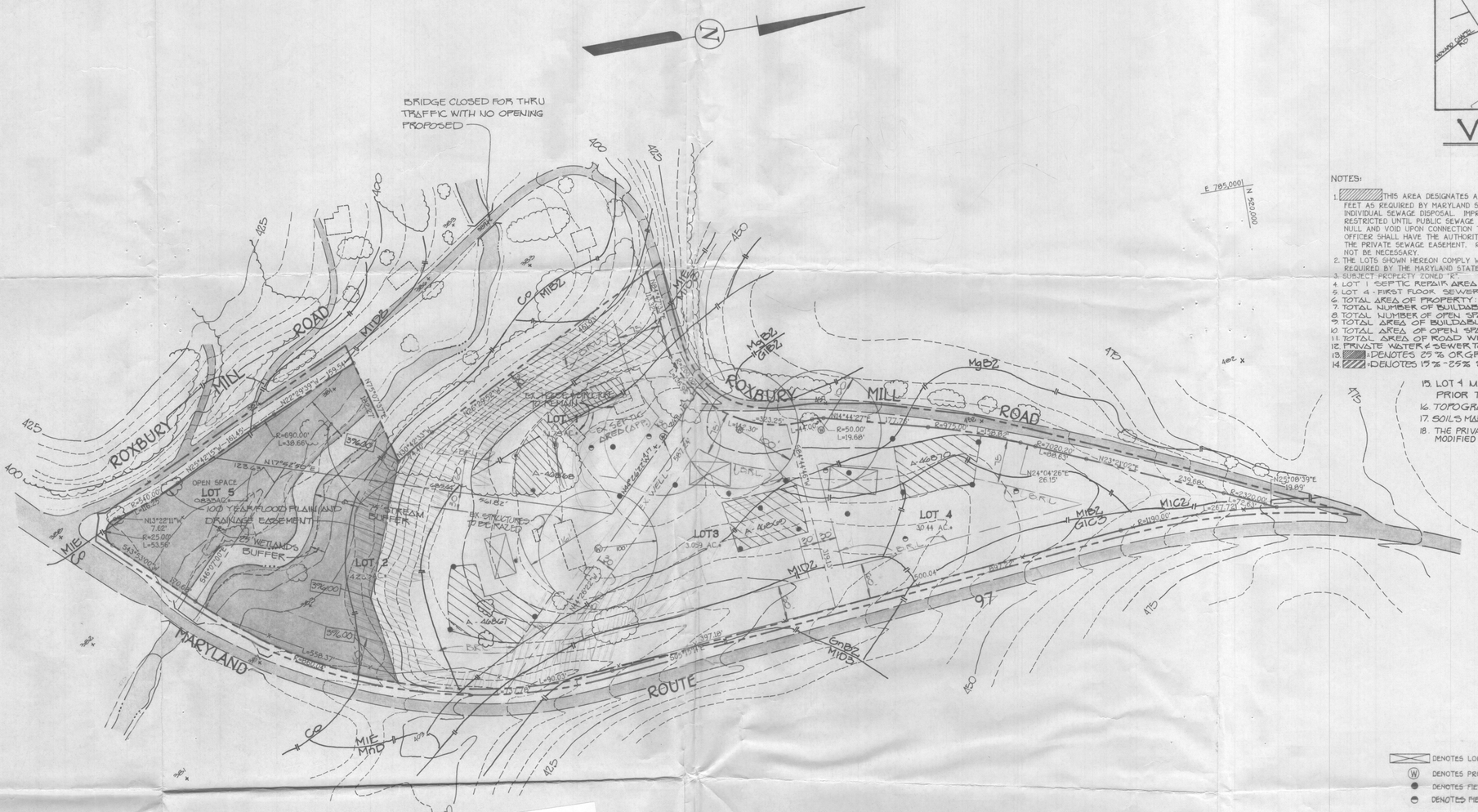
Roxbury Mills Road

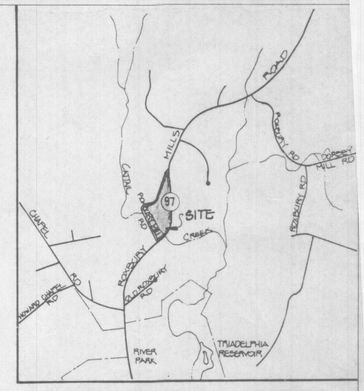
PERC CERTIFICATION PLAT

HERDER PROPERTY

4th ELECTION DISTRICT HOWARD COUNTY, MARYLAND
TAX MAP No. 21 PARCEL No. 50
DATE: JUNE 12, 1991

0' 100' 150' 200'
Scale in Feet





VICINITY MAP

SCALE 1" = 2000'

NOTES:

1. ▨ THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY 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.
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".
4. LOT 1 SEPTIC REPAIR AREA WILL NOT SEWER BY GRAVITY.
5. LOT 4 - FIRST FLOOR SEWER ONLY.
6. TOTAL AREA OF PROPERTY: 13.978 Ac±
7. TOTAL NUMBER OF BUILDABLE LOTS: 4
8. TOTAL NUMBER OF OPEN SPACE LOTS: 1
9. TOTAL AREA OF BUILDABLE LOTS: 13.920 Ac±
10. TOTAL AREA OF OPEN SPACE LOT: 0.833 Ac±
11. TOTAL AREA OF ROAD WIDENING: 1.605 Ac±
12. PRIVATE WATER & SEWER TO BE UTILIZED.
13. ▨ = DENOTES 25% OR GREATER SLOPES
14. ▨ = DENOTES 15% - 25% SLOPES
15. LOT 1 MAY REQUIRE WELL TO BE DRILLED PRIOR TO FINAL PLAT APPROVAL.
16. TOPOGRAPHY BASE ON HOWARD COUNTY'S 1"=200' TOPO
17. SOILS MAP NO. 11
18. THE PRIVATE SEWAGE EASEMENT ON LOT 1 HAS BEEN MODIFIED DUE TO THE PROPOSED WELL LOCATION FOR LOT 2.

LEGEND

- ⊠ DENOTES LOCATION OF DWELLING
- (W) DENOTES PROPOSED WELL
- ● DENOTES FIELD LOCATION OF PERC HOLES
- ◓ DENOTES FIELD LOCATION OF PERC HOLES (FAILED)

Lime Kiln

7.6 cm²
9.1 cm²
8.0 cm²

1.302026 in²

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
9171 BALTIMORE NATIONAL PIKE, SUITE 100
ELLICOTT CITY, MARYLAND 21042
(301) 461 - 2855

12,942.5
Warren 301-483-6968

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

COUNTY HEALTH OFFICER — DATE 7-26-91

OWNER/DEVELOPER
MR. & MRS. JOHN HERDER
4080 ROXBURY MILL ROAD
GLENWOOD, MARYLAND 21738

STATE OF MARYLAND — 13208 — PROFESSIONAL ENGINEER

TOPOGRAPHY AND SOILS MAP

HERDER PROPERTY

4th ELECTION DISTRICT HOWARD COUNTY, MARYLAND
TAX MAP No. 21 PARCEL No. 50
DATE: JUNE 12, 1991

0' 100' 150' 200'
Scale in Feet

REVISED DECEMBER 10, 1991 SEE NOTE 18

E-4481

30372