

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

INDEXED

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXXXXXX~~

03-3318621

DATE SYSTEM APPROVED 6/8/95

INSPECTOR DKS

(2) 6/7/95 PLO

P 50697A

A 46966

DISTRICT 3rd

DATE 5-18-95

Paul Schissler/South Carroll Backhoe IS PERMITTED TO INSTALL ALTER

ADDRESS 4410 Salem Bottom Road, Westminster, Maryland 21157 PHONE 875-4197

SUBDIVISION W. Friendship Estates LOT 6 ROAD 3112 Fox Valley Drive

PROPERTY OWNER Altiera Homes Marc Liersoph JAMES + BARBARA RISHEL

ADDRESS _____

SEPTIC TANK CAPACITY 1500 GALLONS

NUMBER OF BEDROOMS 5

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 300

TRENCHES - Trench to be 3 feet wide. Inlet ^{✓ @ S.T.} 2 1/2 feet below original grade. Bottom maximum depth 4 1/2 feet below original grade. Effective area begins at 2 1/2 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place distribution box 160 feet up the left lot line (376.92') and 15 feet off that same lot line as seen when facing the lot from Fox Valley Drive. Run trenches on contour toward the back 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 Amy McMillen DATE 04/05/95

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.

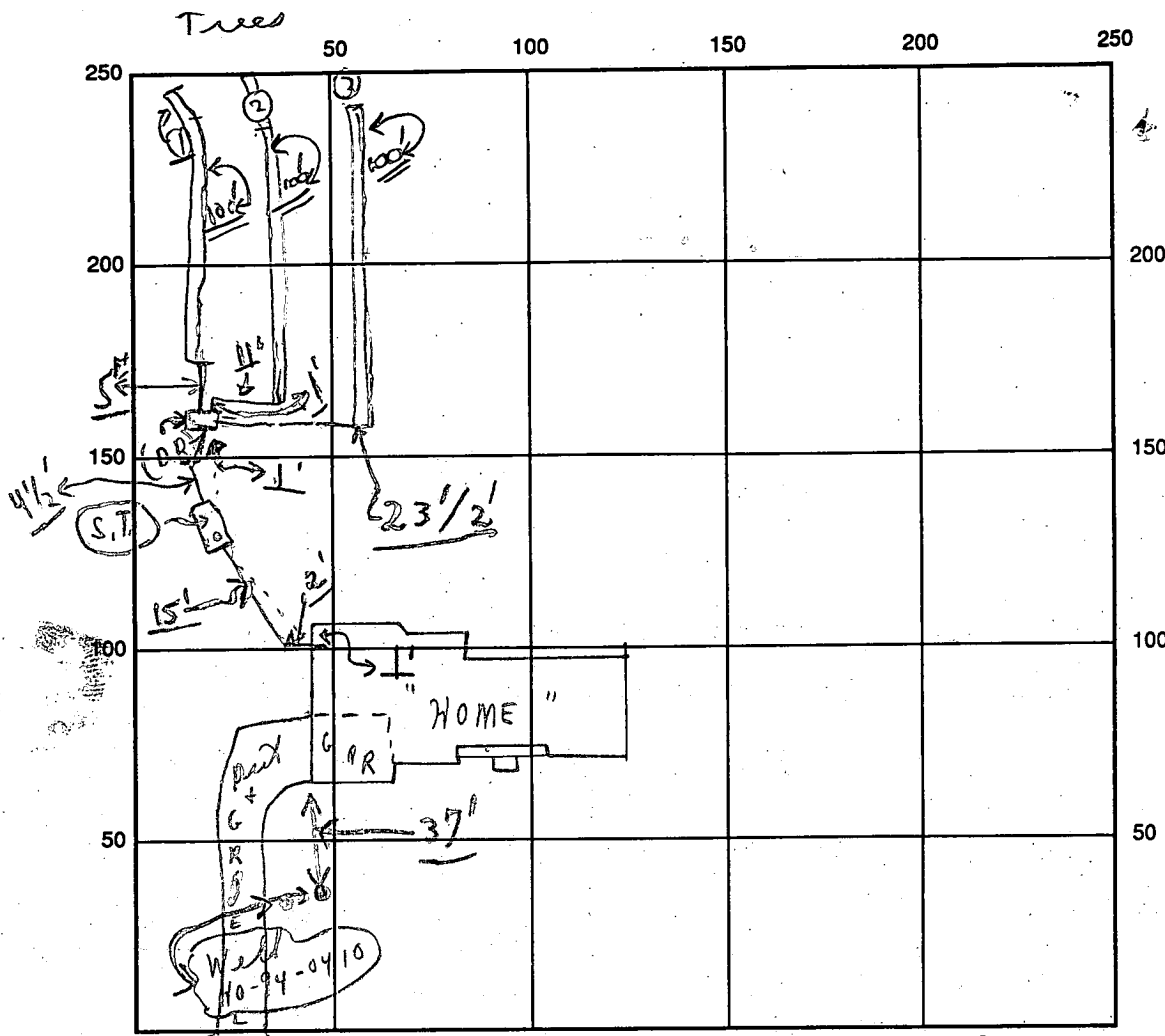
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

B00127345
pool 11/15/00

A
46966

Septic Prop.
6-7-95 - Entry
500
6-8-95
2:00 PM



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

FOX VALLEY DRIVE

SEPTIC TANK LEVEL OK CLEANOUTS OK

DISTRIBUTION BOX LEVEL OK (Baffles in)

DRAIN FIELD/TITLE DEPTH 4 1/2 FT. TRENCH WIDTH 3 FT. INLET DEPTH 2 1/2 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 300 FT. = {300} @ S.T.

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 900 SQ. FT.

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

ABSORBENT AREA 900 SQ. FT.

REMARKS: 6/7/95 Partial #1 trench ok for stone; ok to cover from home to final look; ok to cover #2 trench adjacent each end - check for paper etc; 6/8/95 to call for rest of trenches (2) left to inspect; 6/8/95 Final - ok to cover all work. JKS

6/7 W.P.I. - ok Final chd

DATE SYSTEM APPROVED 6/8/95 INSPECTOR [Signature]

APPLICATION

PERCOLATION TESTING

A 46966
P _____

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

DISTRICT _____

DATE 4/4/91

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 PERCONTEE, INC. AITICKI HOMES

ADDRESS 11900 TECH RD. SILVER SPRING MD. 20904 PHONE JOHN REUWER 740-2100 X291 796-5206

PROSPECTIVE BUYER N/A

ADDRESS _____ PHONE _____

PROPERTY LOCATION: West Friendship East
SUBDIVISION IVORY HILL PROPERTY LOT NO. B 6

ROAD AND DESCRIPTION IVORY RD. E RT. 32, SOUTH OF RT. 70
(3112 Fox Valley Drive)

TAX MAP 15 PARCEL # 42

BLDG. PERMIT SIGNED
AND RETURNED 4/13/95
TYPE BLDG SFD-5 Bedrooms
(SINGLE FAMILY DWELLING OR COMMERCIAL)

SIZE OF LOT 3.00 AC. +/-

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
(SIGNATURE OF APPLICANT)
FOR PERCONTEE, INC.

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT

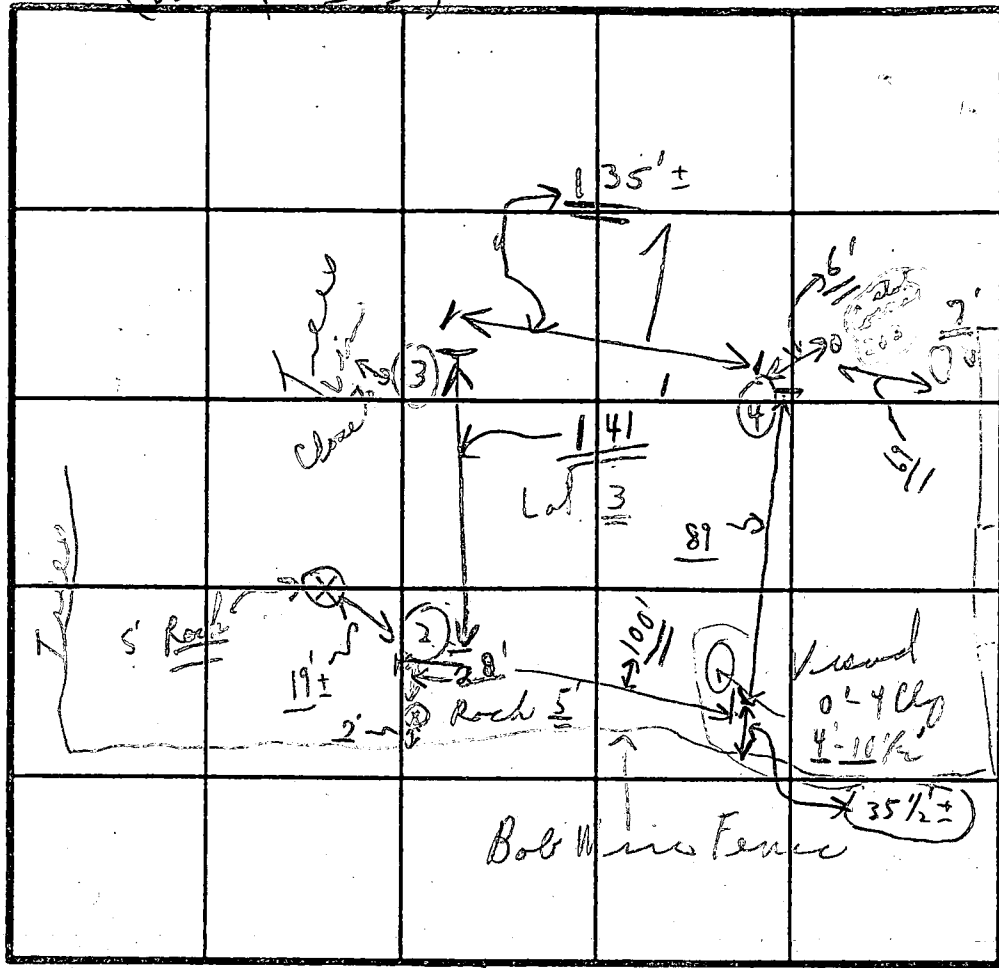
A-45956

5/3/93 New
(Used for #6 & #7)

3

SOIL PROFILE

See each test time for each hole



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/23/93	①		:	:	:	:	
Tues	①		0'	-'	Clay Reddish brown		
	②	4'	11:47	11:49	11:49	11:52	3 min
	②	8 1/2'	0'	-'	Clay to brown	see sheet	
	③	4'	11:40	11:42	11:42	11:44	2
	③	10'	0'	-'	Clay L brown	see sheet 40% or less sandy	
	④	4'	11:39	:	:	11:44	2+
	④	10'	0'	-'	Clay L brown	to solid sand	

Used!

11:43
1.00
load
hole
#2 del

REMARKS Tests in field

TYPE OF SOIL _____

TESTED BY C. Red ALSO PRESENT (2 (0 Kettner))

C1 3665

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 A#46966

DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM PERMIT TO DRILL WELL

Grid for date received

Grid for date well completed

Grid for depth of well

Grid for permit number

OWNER: ALTIERI ENTERPRISES, STREET: FOX VALLEY DR., TOWN: W. FRIENDSHIP, SUBDIVISION: W. FRIENDSHIP EST., SECTION: 1, LOT: 6

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), Check if water bearing. Includes handwritten entries: Top Soil, Sandy Sandstone, MICKA, Sandstone, MICKA.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL: CEMENT (CM), BENTONITE CLAY (BC), NO. OF BAGS: 14, NO. OF POUNDS: 1400.

CASING RECORD: MAIN CASING TYPE: PL (PLASTIC), Nominal diameter: 6, Total depth: 39.

OTHER CASING: diameter, depth (feet) from to.

SCREEN RECORD: screen type: HO (OPEN HOLE), SLOT SIZE: 2, DIAMETER OF SCREEN: 60.

IN HARD ROCK AREAS IDENTIFY SPECIFICALLY WHERE SATURATED FRACTURES WERE OBSERVED. WELL HYDROFRACTURED: Y.

DEPTH (nearest ft.) grid: 1-205, 2-38, 3-205.

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...

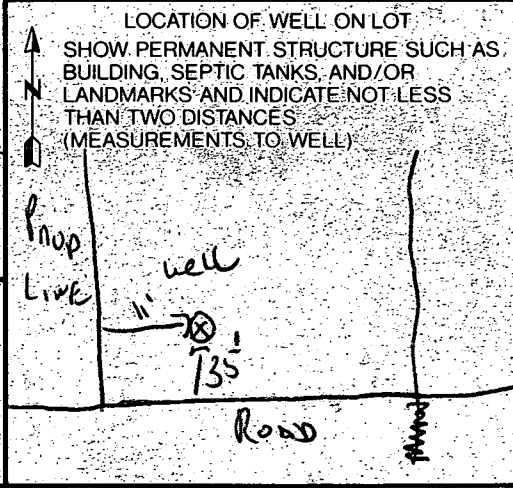
GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT: F IN BOX 68.

DRILLERS IDENT. NO., DRILLERS SIGNATURE (Nash Wayne), SITE SUPERVISOR.

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

PUMPING TEST: HOURS PUMPED: 3, PUMPING RATE: 10, METHOD USED: Bucket, WATER LEVEL: 35, WHEN PUMPING: 38, TYPE OF PUMP USED: S (submersible).

PUMP INSTALLED: DRILLER WILL INSTALL PUMP: YES (NO), TYPE OF PUMP INSTALLED: S, CAPACITY: 31, PUMP HORSE POWER: 37, PUMP COLUMN LENGTH: 43, CASING HEIGHT: 49.



OPEN SPACE
PARCEL A

558

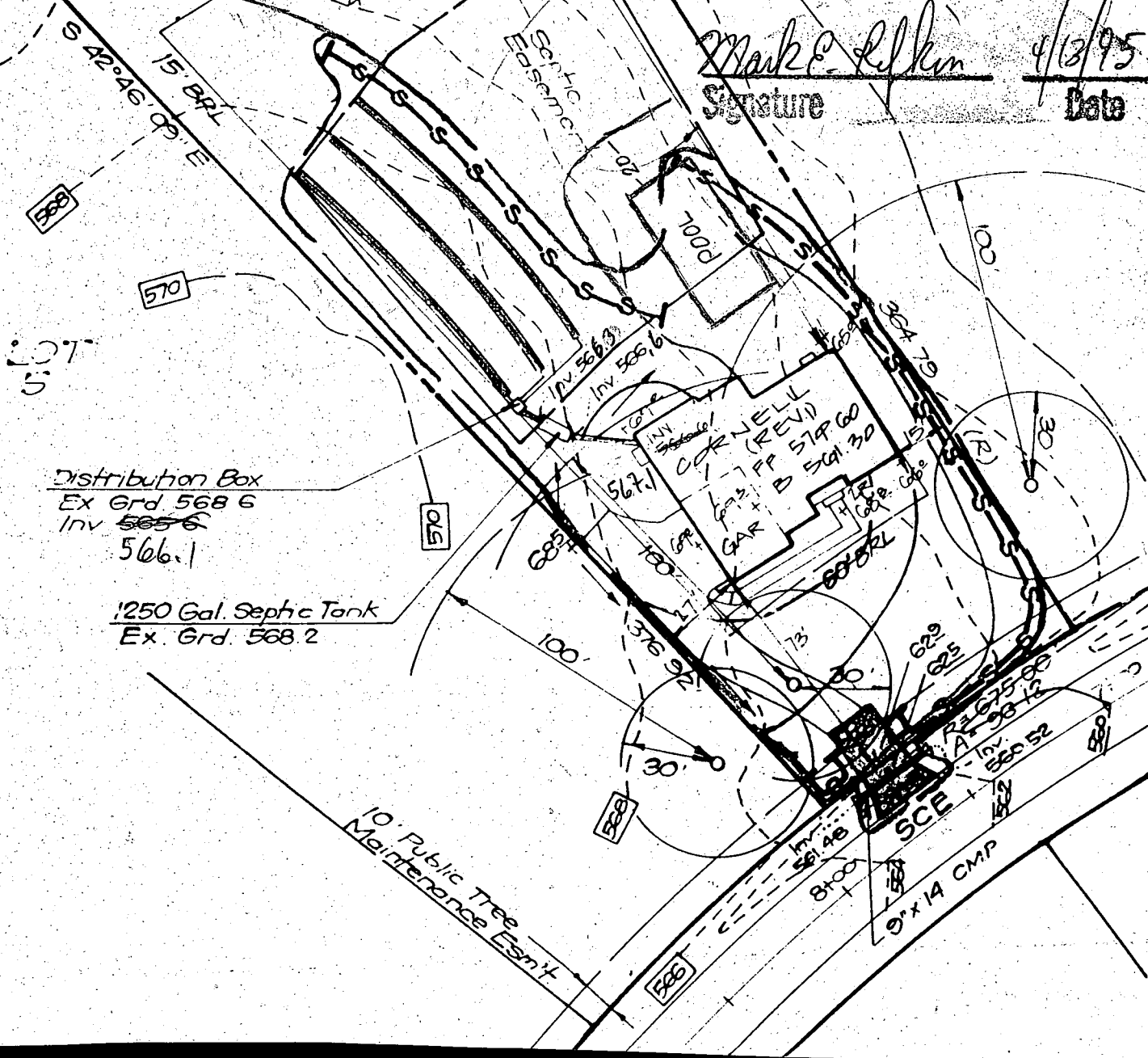
558

N 57° 48' 56" E
NOTE: BASEMENT WILL
NOT SEWER BY GRAVITY

LOT
Approved Septic System Plan
Howard County Health Department

Mark E. Lelkin
Signature
4/13/95
Date

580
582
584
586



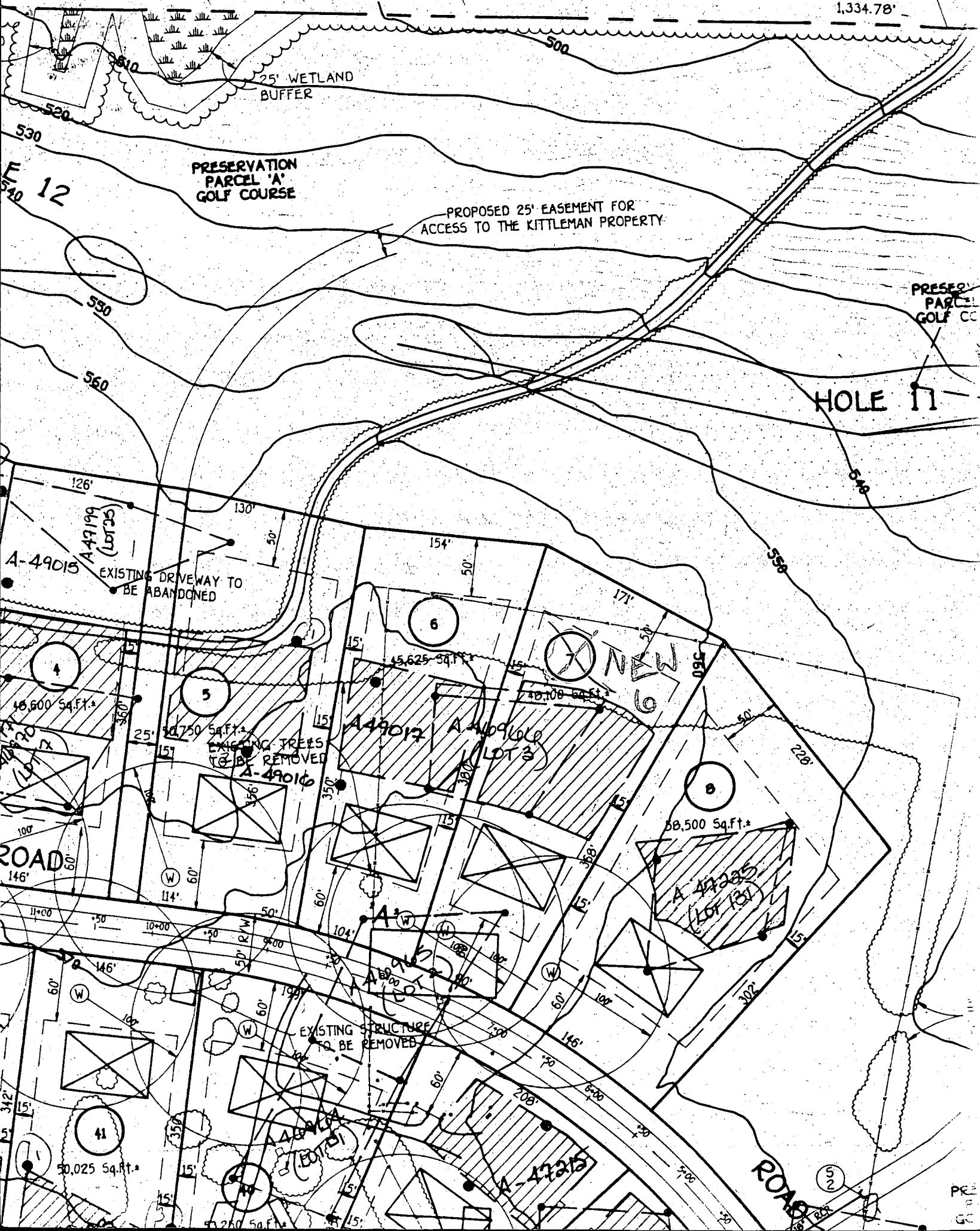
Distribution Box
Ex Grd. 568.6
Inv. 565.6
566.1

1250 Gal. Septic Tank
Ex. Grd. 568.2

10' Public Tree
Maintenance Easmt

SCE

9' x 14 CMP



PRESERVATION PARCEL 'A' GOLF COURSE

PROPOSED 25' EASEMENT FOR ACCESS TO THE KITTLEMAN PROPERTY

PRESERVATION PARCEL 'A' GOLF COURSE

HOLE 11

F 12

A-49015
A-49199 (LOT 25)
EXISTING DRIVEWAY TO BE ABANDONED

4
48,600 Sq.Ft.

5
40,750 Sq.Ft.
EXISTING TREES TO BE REMOVED

6
45,625 Sq.Ft.
A-49017
A-49018 (LOT 3)

8
38,500 Sq.Ft.
A-49023 (LOT 31)

ROAD
146'

41
30,025 Sq.Ft.

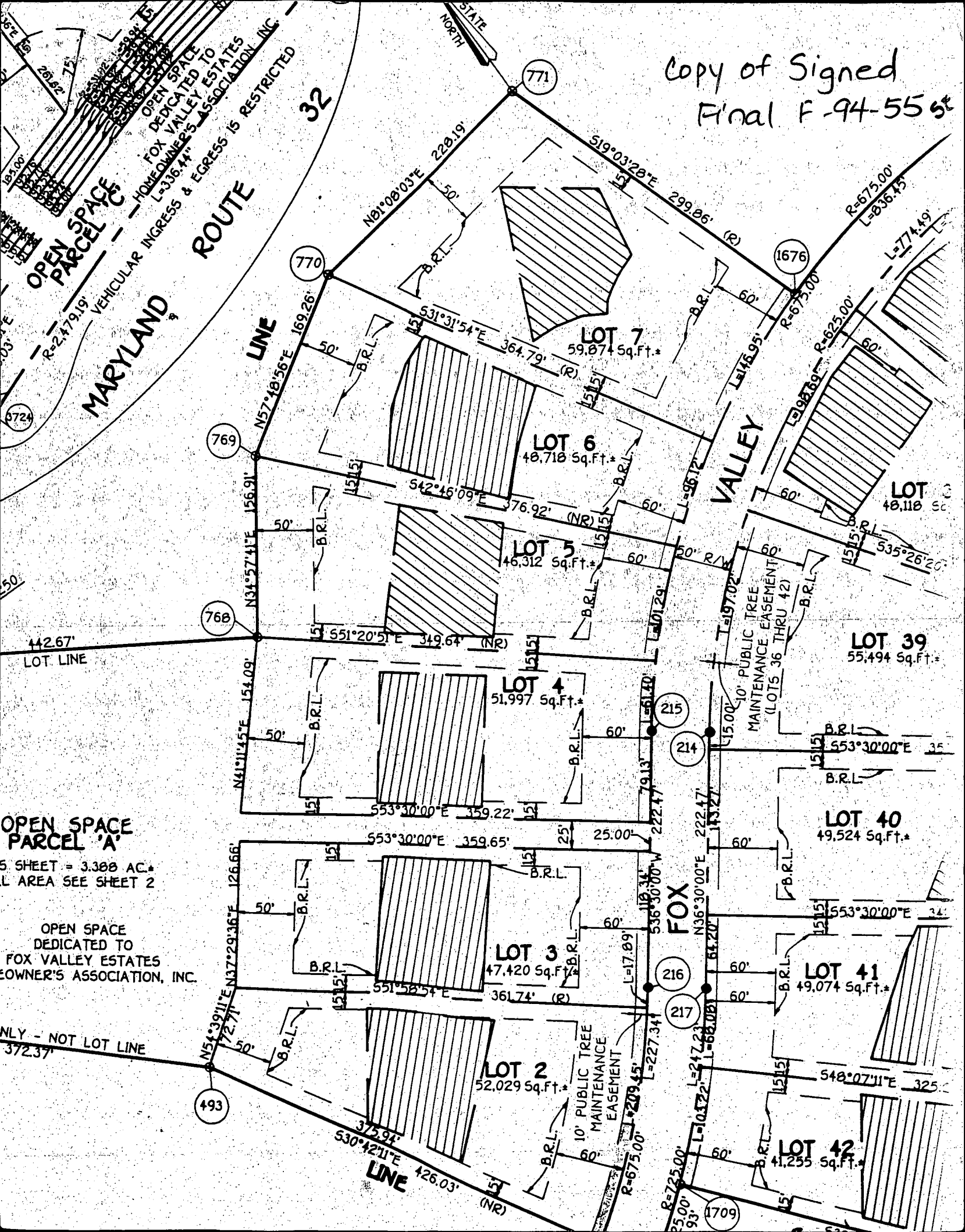
EXISTING STRUCTURE TO BE REMOVED

A-49025

ROAD

PREP

Copy of Signed
Final F-94-555



OPEN SPACE
PARCEL C

MARYLAND
ROUTE
32

VALLEY

FOX

OPEN SPACE
PARCEL 'A'

5 SHEET = 3.388 AC.
TOTAL AREA SEE SHEET 2

OPEN SPACE
DEDICATED TO
FOX VALLEY ESTATES
OWNER'S ASSOCIATION, INC.

ONLY - NOT LOT LINE
372.37'

493

770

771

769

768

215

214

216

217

1709

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1676

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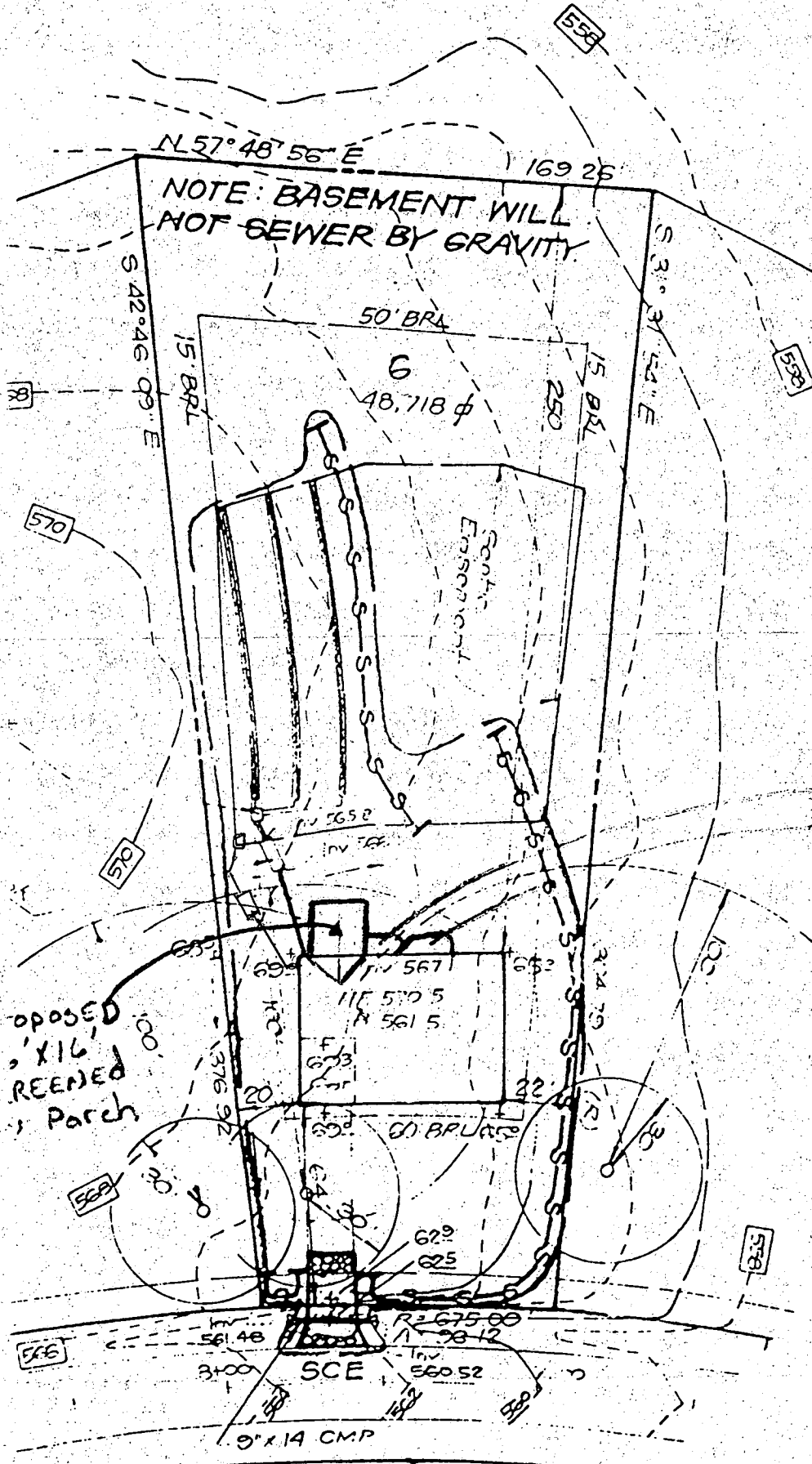
<

UPPER

THOMAS & MERRILL
CITY
Village
HOBOKEN, N.J.

N 57° 48' 56" E 169.25

NOTE: BASEMENT WILL NOT SEWER BY GRAVITY



22' x 14'
8' x 8'

Proposed DECKS

Proposed 9' x 14' REEMED Porch

3/16/00

Proposed porch/decks or as shown

[Signature]

SCE

9' x 14' CMP

11/2/00
10:00

RECEIVED
HOWARD COUNTY HEALTH DEPT.
ENVIRONMENTAL HEALTH

2000 SP 13 PM 2:31

APPLICATION

PERCOLATION TESTING

A 514250

P _____

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

Proposal - adjustment
to ADA to accommodate
proposed pool
DKC

DISTRICT _____

DATE 9/13/2000

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 James Rishel

ADDRESS 3112 Fox Valley Drive West Friendship Md 21794
PHONE H 410-442-1980 W 301-236-1500

AGENT OR PROSPECTIVE BUYER N/A

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Fox Valley (West Friendship estates) LOT NO. 6 (section 1)

ROAD AND DESCRIPTION Request to move septic easement to allow for addition of pool/spg per diagram on back

TAX MAP _____ PARCEL # _____

SIZE OF LOT _____ TYPE BLDG. Single Family
(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.

James Rishel
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

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

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

THIS IS NOT A PERMIT

N 57° 48' 56" E 169.26'

1" = 30'

3112 Fox VALLEY DRIVE
WEST FRIENDSHIP MD 21794

TAX MAP 15 PARCEL 42

LOT 6 ⊕ WEST FRIENDSHIP ESTATES

APPLICATION # AS14250

W-
311
These may be better hole locations based on actual location of ex. system
proposed test hole

Proposed TEST HOLE

RELOCATION OF SEPTIC RESERVE AREA
2280 SQ. FT.

PROPOSED RELOCATION AREA FOR
CONCRETE
652 SQ. FT.

PROPOSED RELOCATION
AREA FOR POOL 1628
50 FT.

S 42° 46' 09" E 376.92'

304.79'
S 31° 31' 54" E

S70

S68

S66

S62

S60

RESIDENCE

Well in FRONT

RICH HILBERT
ELITE POOLS
(410)-494-7964
(443)-506-6021 cell

APPLICATION

PERCOLATION TESTING

A 514250

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH

3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

DATE _____

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 James Rishel

ADDRESS 3112 Fox Valley Dr. PHONE (410) 442-1980 (H) (301) 236-1500 (W)

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION West Friendship Estates LOT NO. 6

ROAD AND DESCRIPTION _____

TAX MAP 15 PARCEL # 42

SIZE OF LOT _____ TYPE BLDG. _____
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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(SIGNATURE OF APPLICANT)

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REASONS FOR REJECTION OR HOLDING _____

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

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

THIS IS NOT A PERMIT

Property Line

COUNTY #

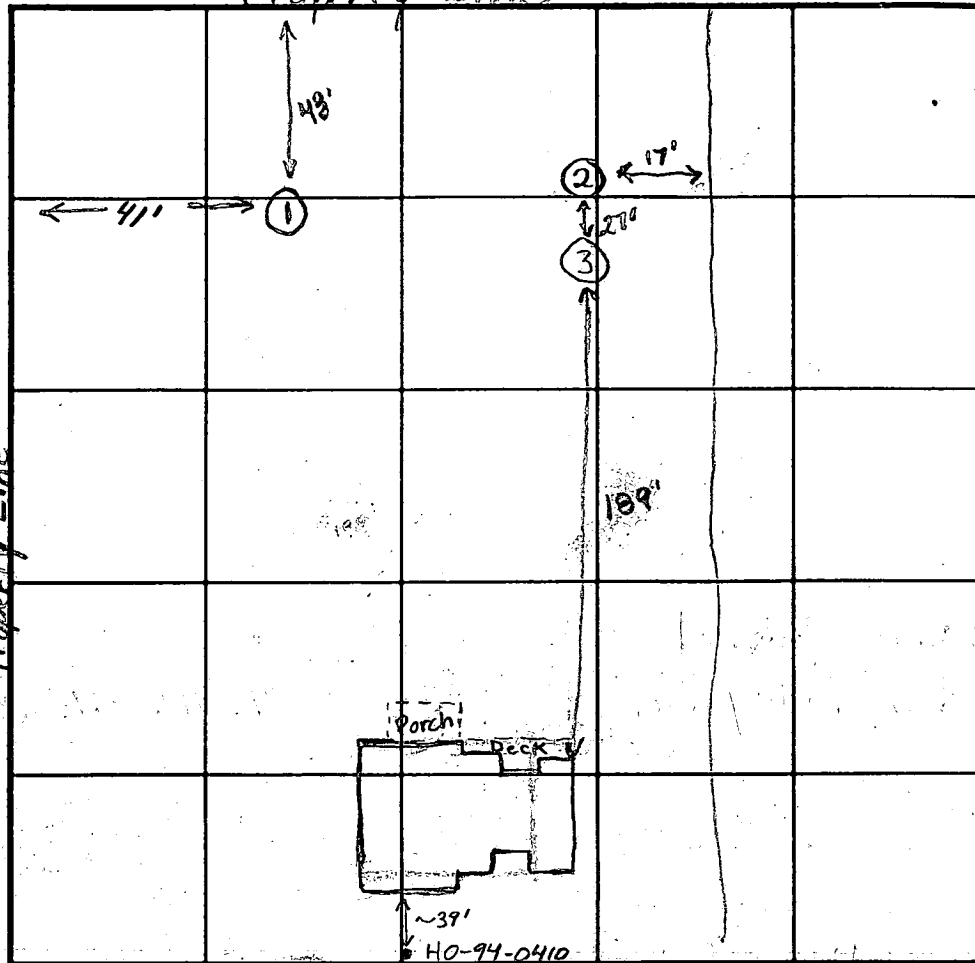
SOIL PROFILE

0' ①
 Red Brown
 Clay Loam
 4.5'
 5.5' Rock
 Pocket
 ~50% Rock
 9' Light Brown
 Sa Loam
 ~40%
 Rock
 13'

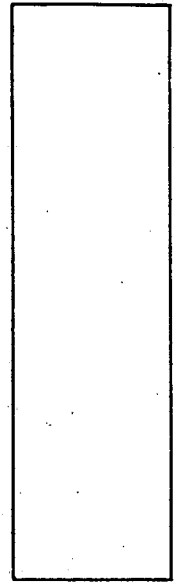
②
 4' Red Brown
 Clay Loam
 Light Red
 Brown
 Sa Cl
 Loam
 750%
 Rock
 12'

③
 4.5' Red Brown
 Cl Loam
 Red Brown
 Sa Cl
 Loam
 ~40%
 Rock
 12.5'

Property Line



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Fox Valley Dr.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11/2/00	1	5.5'/13'V	12:08	12:12	12:12	12:19	7
	2	12'V					F
	3	5.5'/12'V	1:24	1:26	1:26	1:28:30	2 1/2
	1	9.0'/13'V	1:24	1:28	1:28	1:35	8min

REMARKS _____

TYPE OF SOIL _____

TESTED BY B. Baker / Amy McMullen ALSO PRESENT _____

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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



HOWARD COUNTY HEALTH DEPARTMENT

Diane L. Matuszak, M.D., M.P.H., County Health Officer

November 13, 2000

James Rishel
3112 Fox Valley Drive
West Friendship, Maryland 21794

RE: Percolation test results
Purpose: Adjustment to recorded septic area
Property ID: West Friendship Estates – Lot
6
3112 Fox Valley Drive
Tax Map: 15 Parcel: 548

Dear Sirs,

Percolation testing was conducted Thursday, November 2, 2000, on the above referenced property.

Copies of the percolation test results are enclosed.

A licensed surveyor or registered engineer should submit a Percolation Certification Plan showing the following information to this office:

- actual locations & elevations of all excavated test holes
- revised sewage disposal area location
- locations of existing wells and septic systems within 100 feet of property boundaries
- streams/swales/springs and any other relevant landscape features
- contour lines

If you have any questions regarding this matter, you may contact me at the address below or by calling (410) 313-2640.

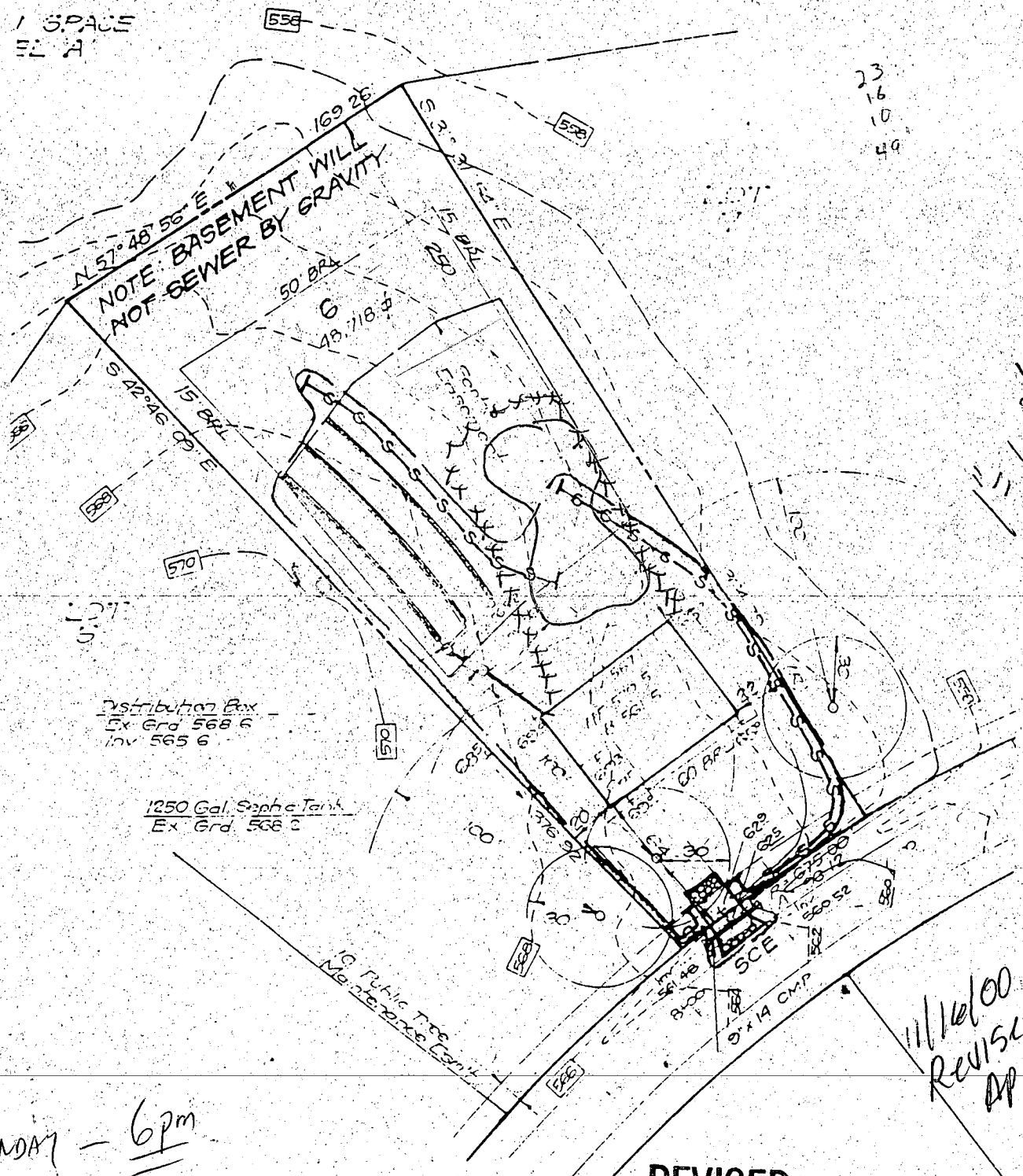
Very truly yours,

Amy Mc Millen, R.S.
Water and Sewerage Program

AM:am
Enclosures
cc: Salerio Construction
File

414 ϕ PERTRUDE INTO SEPTIC AREA

1 SPACE
EL A



23
16
10
49

1" = 60'

Distribution Box
Ex Grd. 568.6
Inv. 565.6

1250 Gal. Septic Tank
Ex Grd. 566.2

10 Public Tree
Maintenance Canal

SCE
9x14 CMP

11/16/00
Revised
Approved
A

Monday - 6pm

Diane L. Matuszak, M.D.
M.P.H.

REVISED
Date: 11/8/00

Comments: Revised to Septic
Zoning
show pool and fence.

EARTH DIKE DETAIL (E D.)

CONCRETE SURFACE