

8/8/95
CO 1911

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

05-407117

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XX-46933~~ 313-2640

INDEXED

P 50762B

A 50589

DISTRICT 5th

DATE 7/3/95

DATE SYSTEM APPROVED 8/8/95

INSPECTOR M. Rifkin

South Carroll Backhoe, Inc.

IS PERMITTED TO INSTALL X ALTER

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

SUBDIVISION Twelve Hills LOT 9 ROAD 13012 Twelve Hills Road

PROPERTY OWNER Steve Walsh

ADDRESS

BUILDING PERMIT SIGNED

AND RETURNED

3/18/04 B00146851-IG P00 L

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 210

TRENCHES - Trench to be 2 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 4 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Start the first trench 140 feet up the right lot line and 70 feet from the right lot line as seen when facing the lot from Twelve Hills Drive. Run trenches on contour toward the right 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 8/2/95 DKS

PLANS APPROVED BY Sid Abel/Mark Rifkin

REVISED DATE 05/11/95

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

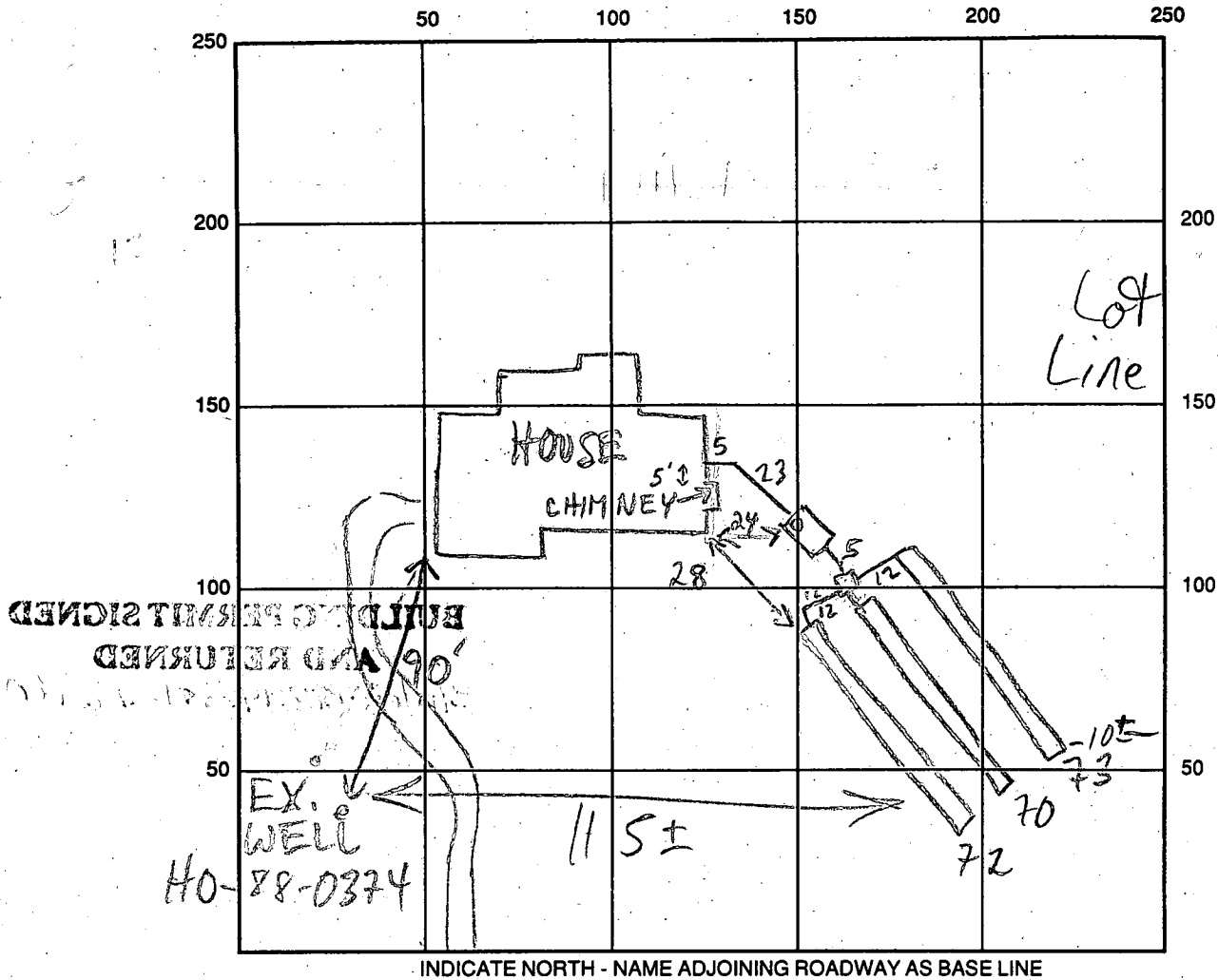
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

SEWAGE PERMIT SIGNED
AND RETURNED
7-2-97
Donald Brown
461-9933

A
50589



SEPTIC TANK LEVEL 1500 GAL - OK CLEANOUTS S.T. - OK

DISTRIBUTION BOX LEVEL OK - BAFFLE IN

DRAIN FIELD/TITLE DEPTH 112/3 FT. TRENCH WIDTH 2 FT. INLET DEPTH 112/3 FT.

EFFECTIVE GRAVEL DEPTH 4/4/4 FT. TOTAL LENGTH 072 ③ 73 FT.

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 0288 ② 280 ③ 292 SQ. FT.

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

ABSORBENT AREA 860 SQ. FT.

REMARKS: 8/7/95 #1 CONFIRMED SEPTIC LAYOUT w/INSTALLER MR
8/7/95 #2 OK TO COVER TRENCH ①, DIG ②; COVER HOUSE TO
S.T. MR 8/7/95 #3 OK TO COVER TRENCH ③, DIG ③ MR
8/8/95 OK TO COVER ALL MR

DATE SYSTEM APPROVED

8/8/95

INSPECTOR

M. Ritkin



APPLICATION

PERCOLATION TESTING

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

DISTRICT 5

DATE 12/17/86

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

ADDRESS

10176 Baltimore National Pike Suite 210

PHONE

465-5855-531-6732

PROSPECTIVE BUYER

ADDRESS

PHONE

PROPERTY LOCATION:

SUBDIVISION

LOT NO.

ROAD AND DESCRIPTION

TAX MAP

PARCEL #

SIZE OF LOT

BLDG. PERMIT SIGNED

AND RETURNED

Serial # 59237-4Bm

BLDG. PERMIT SIGNED

AND RETURNED

Serial # 3176-5 Bedroom SFD

TYPE BLDG.

(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

1/29/87 Wet Season or Change Area RH
2/4/87 HOLD FOR PERC Sgst. to be shallow. S. after

BLDG. PERMIT SIGNED

AND RETURNED

Serial # 38447-5FD-4 Bedroom

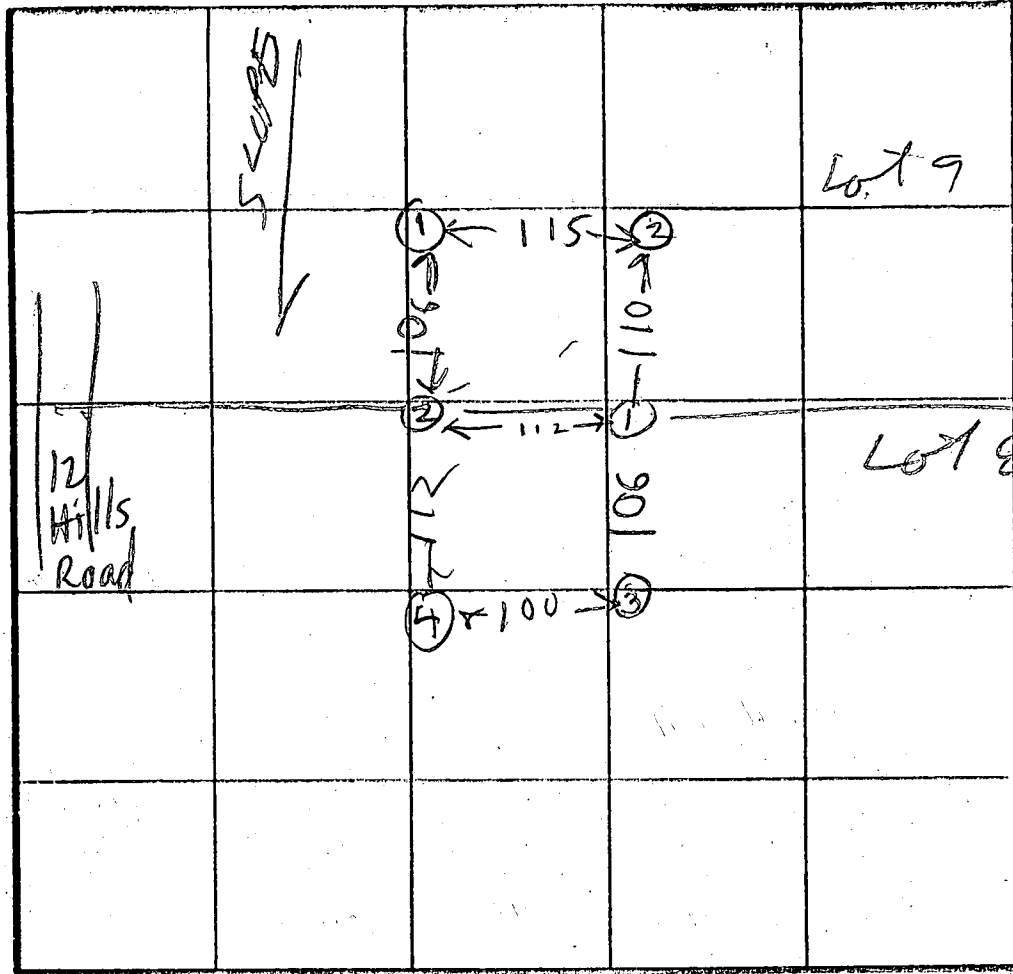
BLDG. PERMIT SIGNED

AND RETURNED

BP27014 8/8

THIS IS NOT A PERMIT

Lot 9



2 PACE 9 min
180 ft / 180
INCH 4' 3"
BOTTOM 5'

SOIL PROFILE
①
BROWN CLAY
3 1/2
BROWN SAND LOAM
&
FEW ROCKS

②
BROWN CLAY
BROWN SAND LOAM

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

LINDEN CHAPEL RD

DATE	TEST NO	DEPTH	PRE-WET		TEST - 1' DROP		TIME
			START	STOP	START	STOP	
1/29/87	1 S	5	336	343	343	357	4
	1 V	12	OK				
11 11	2 S	5	346	350	350	358	8
	2 V	12	OK				
1/29/87	on 1	5	6 min 2nd test				
	13	5	OK				
	2	5	5	6 min 2nd test			
		5	7.5	20 min 2nd test			
		V	12 OK				

3' 11"
arlene
9 min
max depth
4 ft

REMARKS 1/29/86 - Holes appear to be dug similar to sketch plan of Dec 1986 Snow Covered Ground

TYPE OF SOIL FILL ON DON REVEN 2 KETTERMAN CLINT
TESTED BY B. HUNGER ALSO PRESENT

APPLICATION

PERCOLATION TESTING

A 50589

P _____

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

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

PREVIOUS OK
TO ADJUST SEPTIC AREA
LIKELY NOT -
ACT LOCATIONS SUGGESTED

DISTRICT

DATE

3/30/95

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

BUILDING CHAIR COMMANDA
3525 E ELLICOTT MILLS

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Steve & Laura Walsh

ADDRESS 11738 Tuscan Rd Laurel, Md 20708 PHONE (301) 490-6386

AGENT OR PROSPECTIVE BUYER Dan Sobus / Re/Max

ADDRESS 8815 Centre Park Dr. PHONE 740-1200

PROPERTY LOCATION: Columbia, Md. 21045

SUBDIVISION Twelve Hills LOT NO. # 9

ROAD AND DESCRIPTION Lot 9 Twelve Hills Rd.

Clarksville, Md. 21029

TAX MAP _____ PARCEL # _____

SIZE OF LOT 3 AC. TYPE BLDG. Single FAM
(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 _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING HOLD FOR PLAT - SOILS OK, BUT H₂O PRESENT MR

3/29/95

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

COUNTY #

0' (3)
arg
brw
su
c/lm
4
tan
sa Si
lm
5-10%
Frags
1
22
WATER

brn
org ye
sa
c

brn
sa si
mica
joan

WATER

OTG
sa cl
lm

pink
brn/ye
sa
mica
loom
5% frag

COXNET

LAST
WBT

SOIL PROFILE

089
 cl ✓
 cl / ln
 Van pin
 sa
 ln
 109
 frags

brn org
Sa el lm
tan
Sa mica
Loann
10 & Fray

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
TWELVE HILLS RD

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3/28/95	3 S H	9 1/2 ^{4 1/2}	2:30 2:09	2:38 2:14	2:38 2:14	3:53 3:23	15 EST
	3 V	12 1/2	H ₂ O @ 12 1/2				
	4 S H	9 3/2	3:18 3:51	3:28 3:56	3:28 3:56	3:48 4:06	20 10
	4 V	12 1/2	H ₂ O @ 11 1/2				
	1 V	12	see profile - OK				
	2 S 5	4 1/2 5	2:55 3:06	3:02 3:09	VERY SLOW 3:09	3:16	2
	2 V	12 1/2	OK see profile				
	5 V	12	OK see profile				
1/29/87	OT 2 S V	5 12	3:46 sim to	3:50 B	3:50	3:58	8
ONLINE	OT 1 S V	5 13	6 min OK	2nd	inch		6

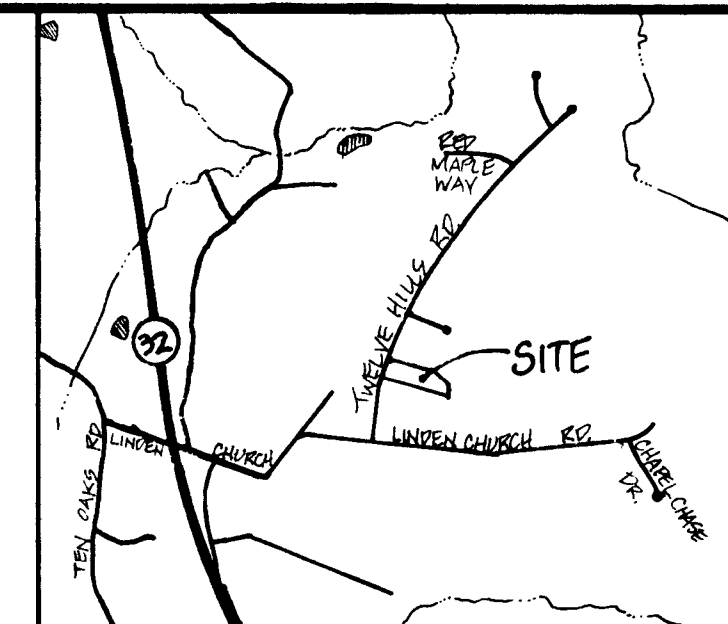
REMARKS	ONLINE OT 2 D	5	6 min	2nd inch	FINAL SDA USING ALL
		7.5	20 "	"	(OT) HOLES PLUS
TYPE OF SOIL	OT 2 V	12	OK		NEW HOLE (S)
	OT 1 E	12	4 min	2nd inch	
TESTED BY	M. Ripkin			ALSO PRESENT	Ken Schissler
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME	9			TRENCH WIDTH	2
INLET DEPTH	4			SQ. FT./BEDROOM	210
MAXIMUM BOTTOM DEPTH	8				210

APPROVED: FOR PRIVATE WATER &
PRIVATE SEWAGE SYSTEMS.
HOWARD COUNTY HEALTH DEPT.

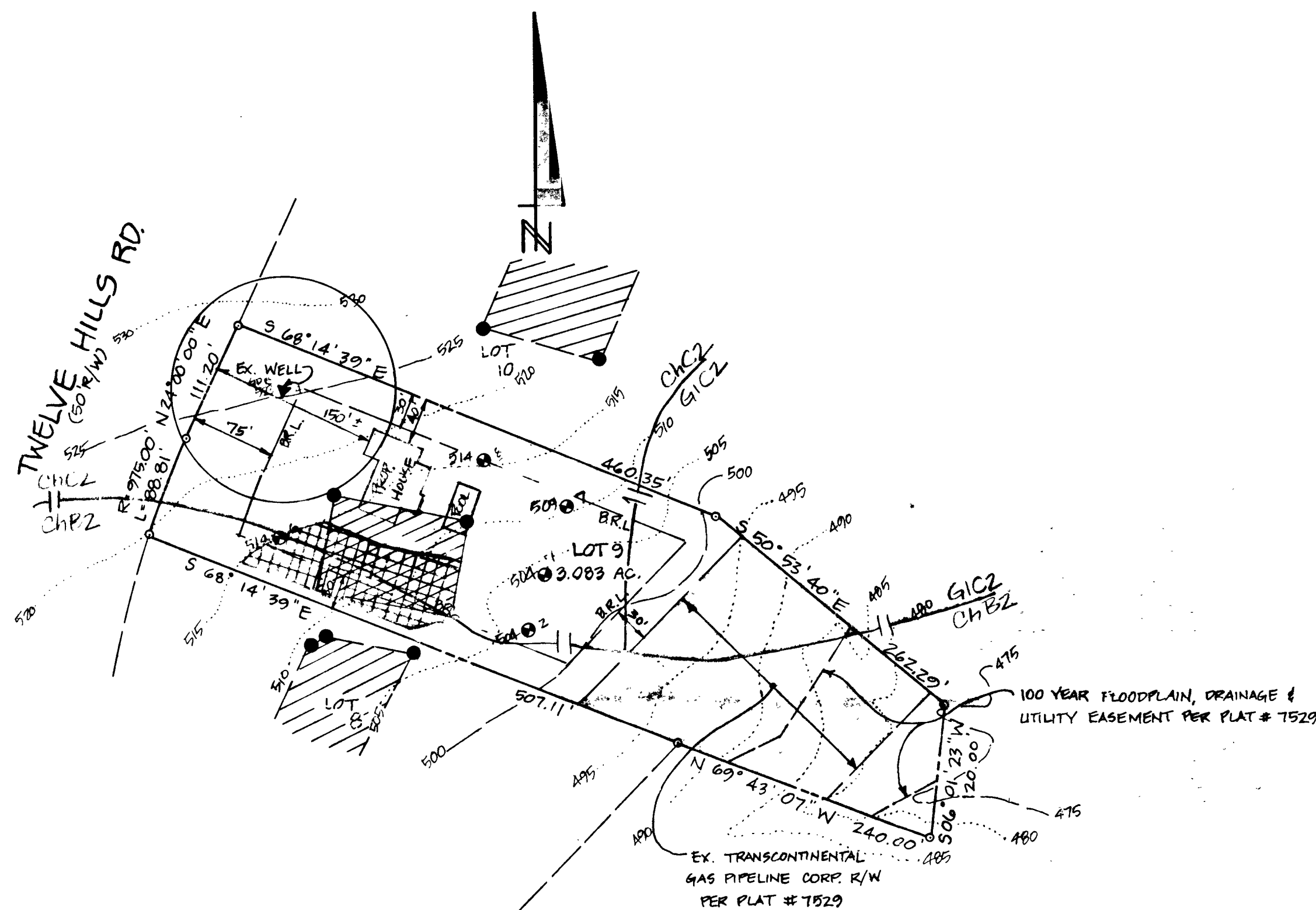
Joyce M. Boyd 5-12-95
COUNTY HEALTH OFFICER HR DATE



Scott Shanaberger 4/24/95
OF SCOTT SHANABERGER DATE
PROFESSIONAL LAND SURVEYOR # 10849



VICINITY MAP SCALE: 1"=2000'



NOTES:

- 1) THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT PER PLAT # 7529 (TO BE ABANDONED)
- 2) THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE MD STATE DEPT. OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS EASEMENT SHALL BECOME NULL & VOID UPON CONNECTION TO A PUBLIC SEWERAGE 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 PLAT SHALL NOT BE NECESSARY.
- 3) THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH & LOT AREA AS REQUIRED BY THE MD STATE DEPT. OF THE ENVIRONMENT.
- 4) TOPOGRAPHY SHOWN HEREON WAS TAKEN FROM A PRELIMINARY PLAN PREPARED BY FISHER, COLLINS & CARTER AND SHOULD BE FIELD VERIFIED BEFORE EXCAVATION.
- 5) THERE ARE NO VISIBLE WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THE PROPOSED WELLS & SEWAGE EASEMENTS, UNLESS SHOWN HEREON.

LEGEND:

- EXISTING CONTOURS
- EXISTING WELL
- SOIL TYPE BOUNDARY
- FLOODPLAIN LIMIT (FROM PLAT # 7529)
- POSSIBLE HOUSE LOCATION
- PREVIOUSLY APPROVED PERC TEST
- APPROVED PERC TEST EXCAVATED ON 3/20/1995 (A50589)

SHANABERGER & LANE
8726 TOWN & COUNTRY BLVD
SUITE 104
ELLICOTT CITY, MD 21043
(410)-461-0563
(410)-461-9693

FIELD LOCATED PERC TEST PLAT

TWELVE HILLS LOT 9

5TH ELECTION DISTRICT HOWARD COUNTY, MD
TAX MAP 28 GRID PARCEL
DATE: 4-17-95 PLAT # 7529
SCALE: 1"=100'
REV. 4-28-95 JAI
REV. 5-8-95

TWELVE HILLS RD.
(50' R/W) 57

LENGTH: 75' 60' 15

NOTES:

1) THE TOPOGRAPHY SHOWN HEREON WAS TAKEN FROM A PRELIMINARY PLAN PREPARED BY FISHER, COLLINS & CARTER, INC., AND SHOULD BE FIELD VERIFIED PRIOR TO EXCAVATION. IT APPEARS THAT GRAVITY SEWER SERVICE TO BASEMENT IS NOT PROVIDED. AN EJECTOR PUMP MAY BE NEEDED AND SHOULD BE FIELD VERIFIED.

2) TOTAL AREA DISTURBED: 29,800 SF

2) TOTAL AREA DISTURBED: 29,800 ft²

3)  DESIGNATES REV. SEPTIC AREA

4) S—S—S - DESIGNATES SILT FENCE

5) - DESIGNATES LIMITS OF DISTURANCE

Approved Septic System Plan
Howard County Health Department

Mark E. Rifkin 5/12/95
Signature Date

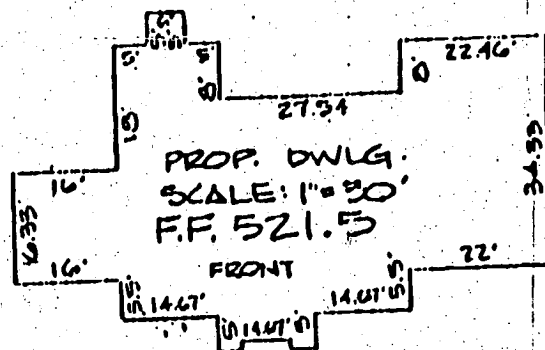
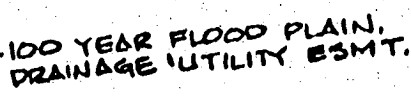
SHANABERGER & LANE
8726 TOWN AND COUNTRY BLVD.
SUITE 104
ELLICOTT CITY, MD. 21043
(410)461-9563 FAX:461-9699

SITE PLAN
TWELVE HILLS
LOT 9
PLAT # 7529

ELECTION DISTRICT: 5TH
COUNTY: HOWARD
SCALE: 1" = 100'
DATE: 4/19/95 REV. 4/28/95

REV. 5/8/95

6.



<u>DESCRIPTION</u>	<u>ELEV.</u>
FIRST FLOOR	521.5
INV. OUT @ HOUSE	510.9
INV. IN @ TANK	510.7
INV. OUT @ TANK	510.5
INV. IN DISTR. BOX	510.2
INV. IN TRENCH	510.0, 509.0
EX. GRADE @ TRENCH	513.5, 512.5
EX. GRADE @ DISTR. BOX	513.5
EX. GRADE @ TANK	514.5

Walsh

LOT 9 SECTION 2 Δ 7529
TWELVE HILLS.
FIFTH ELECTION DISTRICT
HOWARD COUNTY, MD.



VT ASSOCIATES, INC.

**Surveying & Engineering
4932 Hazelwood Avenue
Baltimore Md 21206
(301)866-2001**

date 5.31.89

scale 1"=100'

Job no. P.33.

drawn IVE

checked JGD

6646

SEQUENCE NO.
(DENV USE ONLY)STATE OF MARYLAND
WELL COMPLETION REPORT
FILL IN THIS FORM COMPLETELY
PLEASE PRINT OR TYPETHIS REPORT MUST BE SUBMITTED WITHIN
45 DAYS AFTER WELL IS COMPLETED.COUNTY
NUMBER

A#38560

RE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO.
FROM "PERMIT TO DRILL WELL"

8	9	10	11	12	13
---	---	----	----	----	----

032089

22 305 26
(TO NEAREST FOOT)

60-88-0374

OWNER ALTOGETHER LIMITED
 STREET OR RFD TWELVE HILLS RD first name DAYTON
 SUBDIVISION TWELVE HILLS SECTION 2 LOT 9

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS
PENETRATED, THEIR COLOR, DEPTH,
THICKNESS AND IF WATER BEARINGDESCRIPTION (Use
additional sheets if needed)

FEET

FROM

TO

Check
if water
bearing

Top Soil 0 2
 Sandy 2 40 ✓
 Sand Stone 40 45
 MICKA 45 60
 Sand Stone 60 65 ✓
 MICKA 65 305

GROUTING RECORD

WELL HAS BEEN GROUTED
(Circle Appropriate Box)yes no
Y N
44 44

TYPE OF GROUTING MATERIAL

CEMENT CM BENTONITE CLAY BCNO. OF BAGS 12 NO. OF POUNDS 1200GALLONS OF WATER 72

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 40 ft.
 (enter 0 if from surface)

casing
types
insert
appropriate
code
below

CASING RECORD

ST CO
STEEL CONCRETE
PL OT
PLASTIC OTHER

MAIN Nominal diameter Total depth
CASING top (main) casing of main casing
TYPE (nearest inch) (nearest foot)

PL 60 61 63 64 66 67 68 69 70

OTHER CASING (if used)

diameter depth (feet)
inch from to

EACH CASING

screen type
or open hole

SCREEN RECORD

insert
appropriate
code
below

ST BR HO
STEEL BRASS OPEN
BRONZE HOLE
PL OT
PLASTIC OTHER

C 2

DEPTH (nearest ft.)

1 H 8 9 11 15 17 21
 2 23 24 26 30 32 36
 3 38 39 41 45 47 51

SLOT SIZE 1 2 3

DIAMETER OF SCREEN (NEAREST INCH)
 56 60

from to

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

OEP USE ONLY
(NOT TO BE FILLED IN BY DRILLER)

T (E.R.O.S.) WQ
 70 72 74 75 76

TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 2PUMPING RATE (gal. per min. to nearest gal.) 2METHOD USED TO MEASURE PUMPING RATE Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING 32WHEN PUMPING 180

TYPE OF PUMP USED (for test)

A air P piston T turbine
 C centrifugal R rotary O other (describe below)
 J jet S submersible

PUMP INSTALLED

DRILLER WILL INSTALL PUMP YES NO

IF DRILLER INSTALLS PUMP, THIS SECTION
MUST BE COMPLETED FOR ALL WELLSEXCEPT HOME USE
TYPE OF PUMP INSTALLED

PLACE (A,C,J,P,R,S,T,O)

IN BOX-SEE ABOVE:

CAPACITY:
GALLONS PER MINUTE (to nearest gallon) 31PUMP HORSE POWER 37PUMP COLUMN LENGTH (nearest ft.) 43

CASING HEIGHT (circle appropriate box and enter casing height)

+ above } LAND SURFACE (nearest foot)
 - below }

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)

Prop Line
 20'
 45' well

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

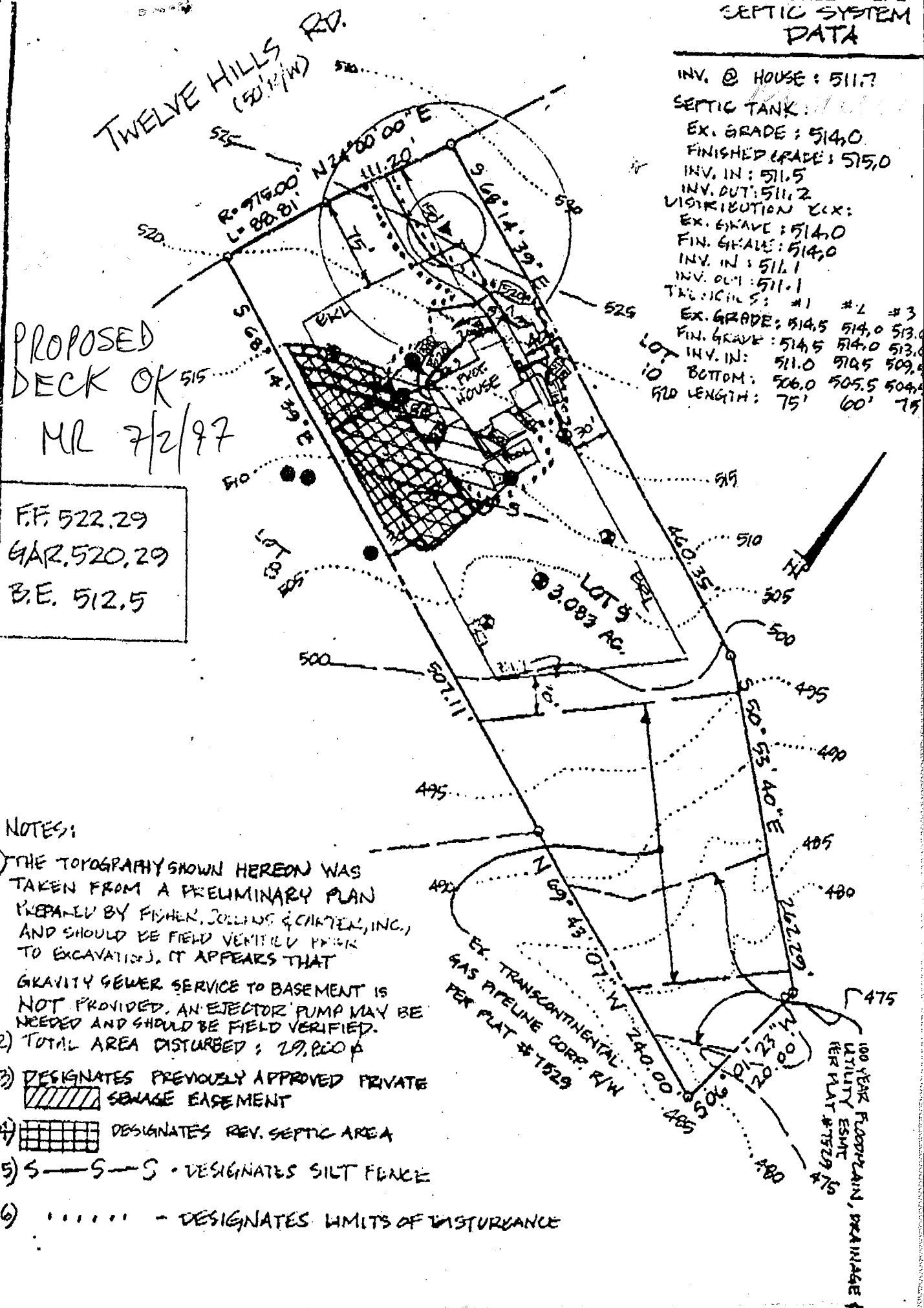
DRILLERS IDENT. NO. 273
Mark Mayne

DRILLERS SIGNATURE
(MUST MATCH SIGNATURE ON APPLICATION)

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

COUNTY

PAGE 2/2
SEPTIC SYSTEM
DATA



SHANABERGER & LANE
8726 TOWN AND COUNTRY BLVD.
SUITE 104
ELLCOTT CITY, MD. 21043
(410)461-9563 FAX:461-9693

fonnil

ELECTION DISTRICT: 5TH
COUNTY: HOWARD
SCALE: 1"=100'
DATE: 4/19/95 REV. 4/28/95

3/18/04

More than
10' - remove
10' of SDA
CLOSEST
TO POOL.

BP 00146851

PROPOSED
POOL

OK

KN

This
corner
exists due
to failed
hole on
ADJ LOT
30' away

TWELVE HILLS ROAD SITE PLAN

