

11/3/00
3:00 Lay out
11/22/00
ALL day
6/22/01 - meet Installer
2pm
8/2/01 - Pump Test 10-12

8/17/01 10-11 Pump Test Followup
PERMIT RPS# 359828

P 514605

SEWAGE DISPOSAL SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
410-313-2640

A 50225-KK

ISSUE DATE 10/20/2000

APPROVAL DATE 8/17/01

INDEXED

Andy & Sons Plumbing & Heating

IS PERMITTED TO INSTALL ☒ ALTER ☐
443-829-8890

ADDRESS 2967 Gillis Falls Road, Mt. Airy, MD 21771 PHONE 410-371-9897

SUBDIVISION Vineyards @ Cattail Creek LOT NUMBER 4 ADDRESS 3571 Willow Birch Drive

PROPERTY OWNER Rachuba Home Builders PROPERTY OWNER'S ADDRESS 946 Marimich Court

SEPTIC TANK CAPACITY 1250 GALLONS Eldersburg, MD 21784

PUMP CHAMBER CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

SQUARE FEET PER BEDROOM 240

LINEAR FEET OF TRENCH REQUIRED 320

*TOP SEAMED SEPTIC TANK & PUMP
CHAMBER ARE REQUIRED**

TRENCHES: Trenches to be 3.0 feet wide. Inlet 4.0 feet below original grade. Bottom maximum depth 6.0 feet below original grade. 2.0 feet of stone below distribution box.

LOCATION: Place distribution box at the highest portion of the designated sewage disposal area, approximately 40 feet from the left lot line and 90 feet from the front lot line as seen when facing the lot from Willow Birch Drive. Trenches to follow contour toward the rear of the lot.

Because 320' of trench may take up more than 1/3 of the septic easement, edge to edge requirements should be specified in field during preconstruction inspection - SRN

PLANS APPROVED Amy Mc Millen OK SRN 10/4/00 DATE 8/3/00

PERMIT VOID AFTER 2 YEARS

NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS

NOTE: TOP OF SEPTIC TANKS ARE TO BE NO DEEPER THAN 3.0 FEET BELOW FINISH GRADE

NOTE: WATERTIGHT SEPTIC TANKS REQUIRED

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS, 90° ELBOWS ARE NOT ACCEPTABLE

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX, DRAINFIELDS) TO BE 100 FEET FROM ANY WATER WELL UNLESS OTHERWISE SPECIFICALLY AUTHORIZED

NOTE: NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH UNLESS SPECIFICALLY AUTHORIZED

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

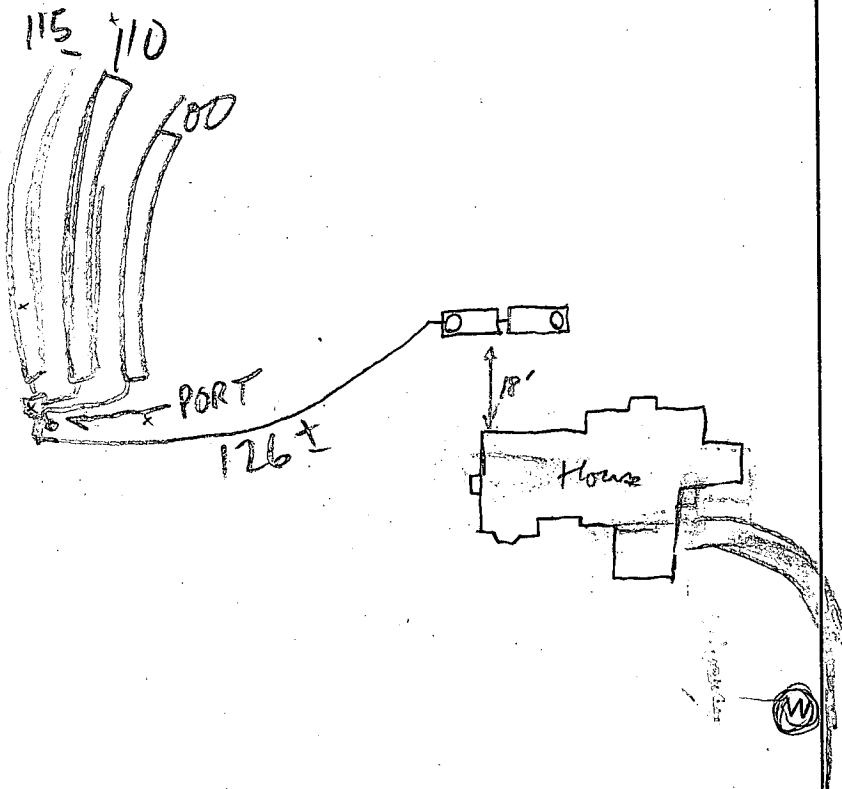
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

NOTE: IF PUMPED SEPTIC SYSTEM REQUIRED, (1) SEPTIC PUMP DETAIL TO BE PROVIDED BY INSTALLER PRIOR TO ISSUANCE OF SEPTIC PERMIT (2) PUMP PERFORMANCE TEST IS NECESSARY PRIOR TO HEALTH DEPARTMENT APPROVAL OF SEPTIC PERMIT

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE
SUCCESSFUL OPERATION OF ANY SYSTEM
PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT
CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

P 514605

NOT TO SCALE



TRENCH DATA

TRENCH WIDTH 3
TRENCH INLET DEPTH 2-4
TRENCH BOTTOM DEPTH 6'
DEPTH OF STONE 2+
NUMBER OF TRENCHES 3
TOTAL TRENCH LENGTH 325
ABSORBENT AREA 97.5
DISTRIBUTION BOX LEVEL ☒
BAFFLE IN DISTRIBUTION BOX ☒

SEPTIC TANK DATA

SEPTIC TANK 1500 ^{2 chamber} Top Sealed GALLONS
MANHOLE RISER ☒ 3 ft
6 INCH INSPECTION PORT ☐

PUMP CHAMBER DATA

PUMP CHAMBER GALLONS 1500 gal Top Sealed
MANHOLE RISER ☒ 3 ft
ALARM OK
PUMP PERFORMANCE TEST OK

Willow Birch Drive

PRE-CONSTRUCTION INSPECTION: Septic Tank and pump chamber were set too deep for landscape position. Soil type is a Glenville with gray layer @ 3 1/2 ft below grade + fragiles @ 2-3 1/2 ft below grade. This level is above top of Tanks. So Contractor will apply extra cement + caulk to ensure lines and inlet points + lids are as water proof as possible. Site will be slightly graded down to Manhole lids. Initial Trench site is staked on level. OK to proceed 11/3/00
INSPECTION COMMENTS:

House Connection OK (under footers) 11/3/00

11/22/00 TRENCHES APPEAR TO

BE COVERED, NO ONE PRESENT (MR)

6/22/01 TRENCHES UNDER 2-3' FILL; POSSIBLY w/PIPE SHALLOW RELATIVE TO ORIG GRADE; NO IMPROVEMENT POSSIBLE - ACCEPTED AS INSTALLED. HOLD FOR PUMP/ALARM (MR)

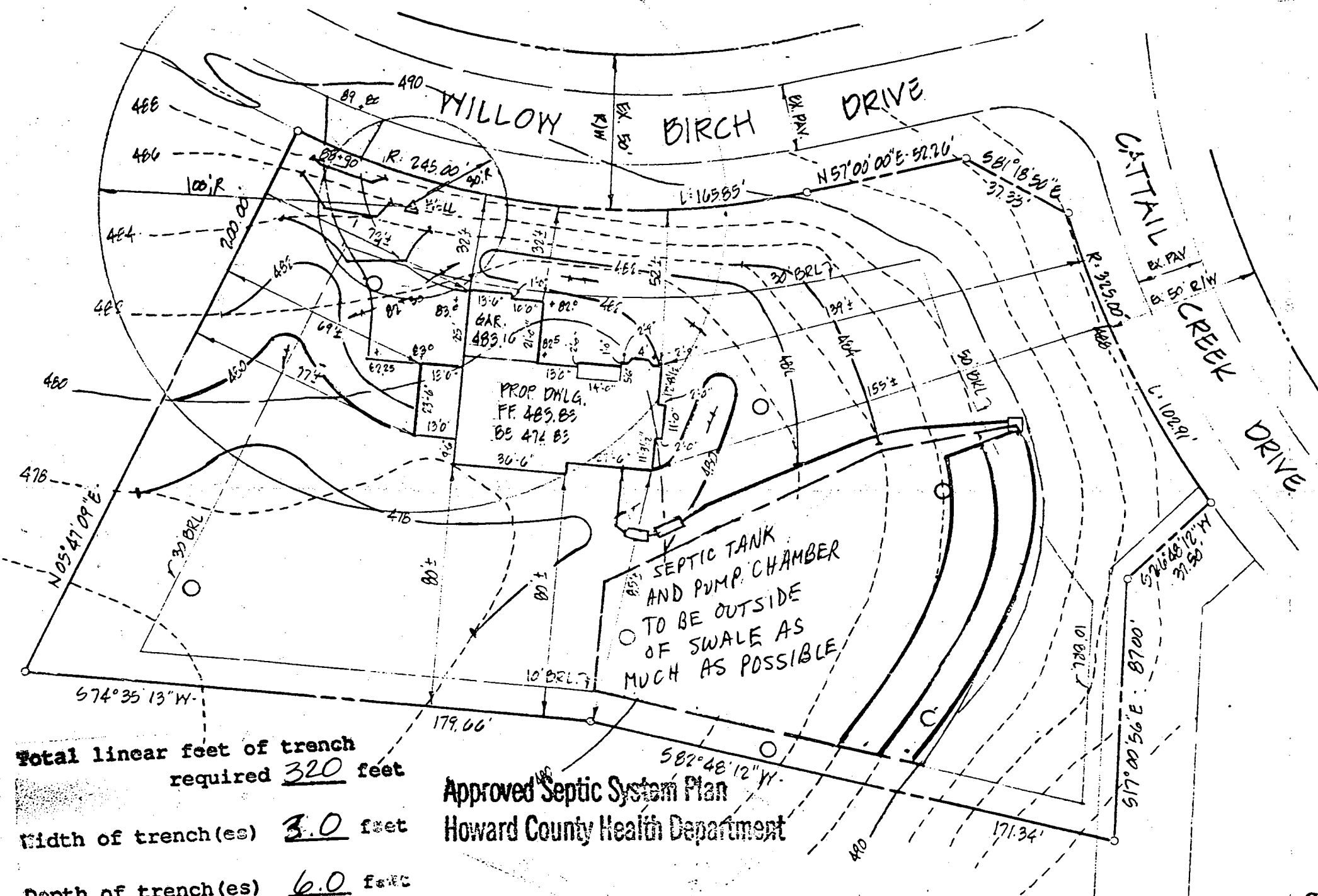
8/9/01 Pump not working - wired on 110 volt instead of 220 volt. →

INSPECTOR B. Baker

DATE SYSTEM APPROVED 8/17/01

* Pump and alarm not on separate circuits. Pump and alarm circuits must be separate. * (BB)

8/17/01 Pump and alarm working.. (BB)



- FIRST FLOOR ELEV. • 489.83
- B. FLOOR ELEV. • 474.83
- INVERT OUT HOUSE ELEV. • ~~476.03~~ 476.03
- EX GRD. C SETTLE TANK • ~~476.03~~ 479.03
- INVERT IN " " • ~~476.03~~ 476.03
- INVERT OUT " " • ~~476.03~~ 476.03
- EX GRD. C PUMP CHAMBER • ~~476.03~~ 480.03
- INVERT IN " " • ~~476.03~~ 475.03
- INVERT OUT " " • ~~476.03~~ 475.03
- EX GRD. C DISTRIBUTION BOX • 490.0
- INVERT IN " " • 486.0
- EX GRD. C & TRENCHES • 490.0
- INVERT IN " " • 486.0

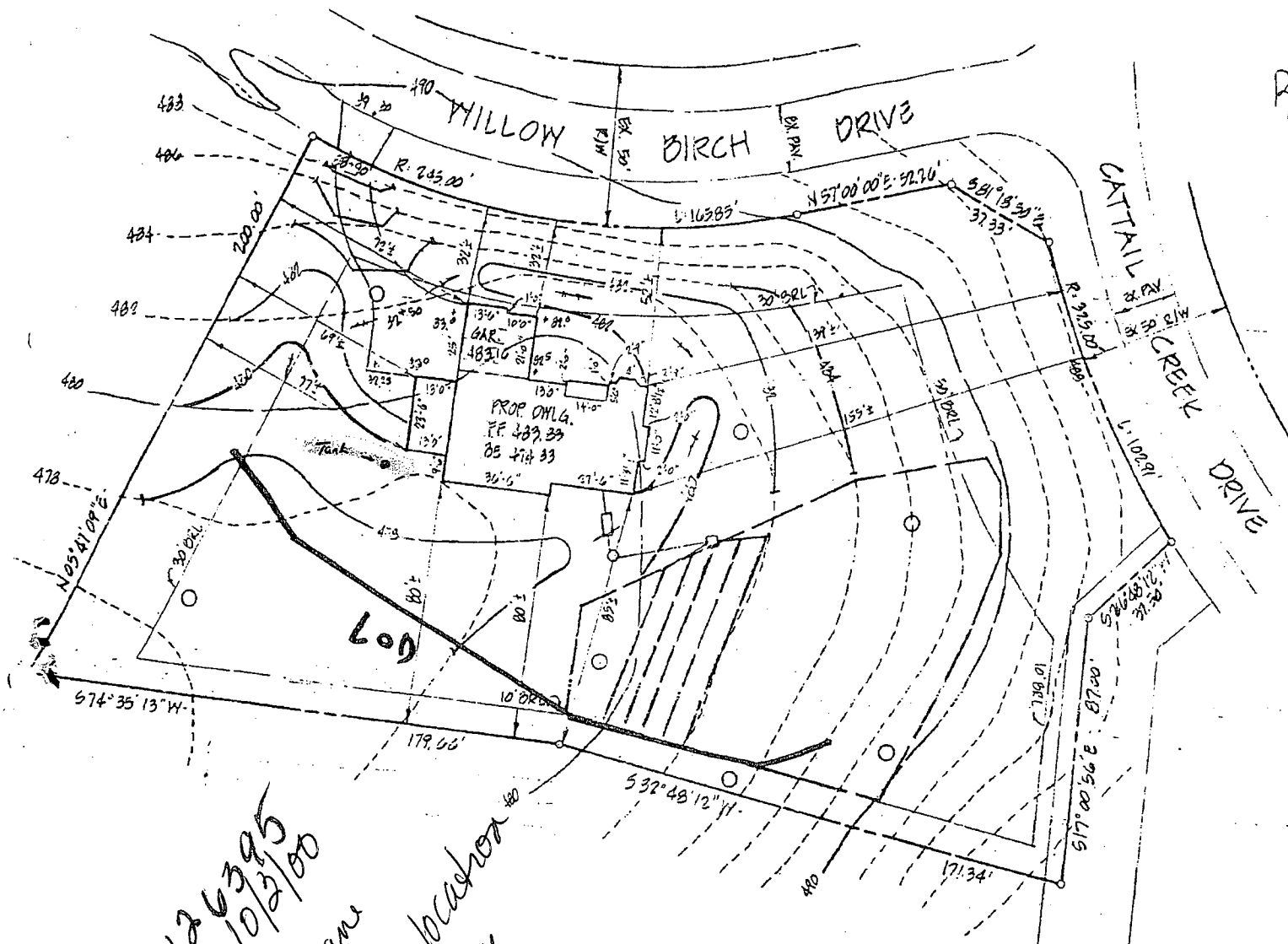
SITE PLAN FOR
 # 3571 WILLOW BIRCH DRIVE
 LOT #4 OF VINEYARDS AT CATTAIL CREEK
 TAX MAP NO. 21 PARCEL NOS. 21220
 4TH ELEC. DIST. HOWARD CO., MARYLAND
 SCALE: 1" = 40' DATE: 6-23-2000

Total linear feet of trench required 320 feet
 Width of trench(es) 3.0 feet
 Depth of trench(es) 6.0 feet
 Depth of stone required below distribution pipe 2.0 feet

Approved Septic System Plan
 Howard County Health Department

Ray M. Moll 9/26/00
 Signature Date

CHARLES R. CROCKEN & ASSOC., INC.
 Civil Engineering & Land Planning
 P.O. Box 307
 Westminster, Maryland 21157
 Tel. (410) 549-2708



Rachuba Home Builders

FIRST FLOOR ELEV. • 483.89
 2. FLOOR ELEV. • 474.83
 INVERT OUT HOUSE ELEV.

EX. GRD. C SEPTIC TANK • 478.7
 INVERT IN " " • 474.75
 INVERT OUT " " • 474.30

EX. GRD. C PUMP CHAMBER • 473.7
 INVERT IN " " • 474.25
 INVERT OUT " " • 476.00

EX. GRD. C DISTRIBUTION BOX • 481.00
 INVERT IN " " • 479.00
 INVERT OUT " " • 478.25

EX. GRD. C & TRENCHES • 481.00
 INVERT IN " " • 478.00

SITE PLAN FOR

3571 WILLOW BIRCH DRIVE

LOT #4 OF VINEYARDS AT CATTAIL CR

TAX MAP NO 21 PARCEL NO. 21220

4TH ELEC. DIST. HOWARD CO., MARYLAND

SCALE: 1" = 40' DATE: 6-23-2000

CHARLES R. CROCKEN & ASSOC., INC.
 Civil Engineering & Land Planning
 P.O. Box 307
 Westminster, Maryland 21157
 Tel. (410) 549-2708

000126395
 10/2/00
 Propane
 Tank location
 OK OK

IDM: HoCo EnvHealth

FAX NO.: 4103132648

Aug. 21 2001 12:02PM F1

**HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WATER AND SEWERAGE PROGRAM
TEL: (410)313-2640 FAX: (410)313-2648**

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.

Company Name: Andy T. Solis Telephone #: 410-829-8890
Address: 2967 G. H. S. Falls Rd.
mt Airy md. 21771

(Must circle one) Licensed Plumber Licensed Well Driller
License # and name of individual responsible for the field installation:

Name (Print): Andy T. Solis License # 17002

* A licensed individual must perform the actual installation. Apprentices must be under the supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification. Unlicensed individuals may be reported to the appropriate licensing agency.

Name of Property Owner: Dachyba

Telephone #: 410-781-3400

Subdivision: Catal Creek

Lot #: 4 Well Tag #: HO-94-2837

Site Address: 3571 Willow Birch

Submersible Pump Data

Make: Goulds

Model #: 76576507422

Pump Capacity: 7 GPM

Well Yield: 15 GPM

Depth of well encountered at time of pump installation: 300 (feet)

If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4

Torque arrestors, Cable guards, or other acceptable method used- Must circle one

Safety rope, if used, attached to brass rope adapter or other acceptable method inside of well casing

Pitless Adapter

Make: Anc. G. S. G. S. G.

Model #: PT-800

Depth: 36" (min)

NSF/WSC approved: Yes

Well Cap and Electric Conduit

Two piece watertight cap: Yes

Screened, vented well cap: Yes

Cap secured to casing: Yes

Conduit min 18" B.G.: Yes

Conduit secured to well cap: Yes

Piping to House

Type: Polyethylene

PSI: 160 psi min

Depth of supply line: 36" (min)

House Connection

PVC sleeve to undisturbed soil at wall penetration: Yes

Approximate length of sleeve:

Sleeve caulked and sealed properly: Yes

The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation

8-21-01
date

For Health Department Use Only - Not to be completed by Installer

Date Insp. Requested: Date Insp. Approved: Inspector:
Inspection Data: Pitless adapter watertight & water supply line at least 36" below grade ✓
Two piece cap installed and attached to casing securely ✓
Elec. conduit extends at least 18" below grade/attached to cap properly ✓
Safety rope not seen outside of well cap/casing ✓
Correct well tag attached properly and casing 8" above finished grade
Water supply line sleeved adequately at house connection
Adequate grout observed below pitless adapter

8/28/01
Inspection
Not Called
In-Plumber
Notified
Cap and Casing
OK. Well Line
Was Run Under
Footer 28

C1

SEQUENCE NO.
(MDE USE ONLY)

STATE OF MARYLAND
WELL COMPLETION REPORT
FILL IN THIS FORM COMPLETELY
PLEASE TYPE

THIS REPORT MUST BE SUBMITTED AFTER
WELL IS COMPLETED.

COUNTY
NUMBER

A50225KK

13

ST/CO USE ONLY
DATE Received
MM DD YY

DATE WELL COMPLETED

9 20 00

Depth of Well

300

(TO NEAREST FOOT)

PERMIT NO.
FROM PERMIT TO DRILL WELL

HO 94 2837

OWNER

Rachuba

Chris

STREET OR RFD

3577 Willow Branch Dr.

TOWN

Glenwood

SUBDIVISION

Vineyards at Cattail

SECTION

LOT

4

WELL LOG		
Not required for driven wells		
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING		
DESCRIPTION (Use additional sheets if needed)	FEET	
	FROM	TO
Brown shale	0	74
Gray	74	145
Brown	145	146
Gray	146	270
White	270	271
Gray	271	300

GROUTING RECORD

WELL HAS BEEN GROUTED
(Circle Appropriate Box)

YES

NO

Y

N

TYPE OF GROUTING MATERIAL (Circle one)

CEMENT

BENTONITE CLAY

CM

BC

NO. OF BAGS

28

NO. OF POUNDS

2632

GALLONS OF WATER

168

DEPTH OF GROUT SEAL (to nearest foot)

from

0

ft. to

70

ft.

(enter 0 if from surface)

CASING RECORD

casing types insert appropriate code below

STEEL

CONCRETE

PL

OT

OTHER

MAIN CASING TYPE

ST

Nominal diameter top (main) casing (nearest inch)

06

Total depth of main casing (nearest foot)

80

OTHER CASING (if used)

diameter inch

depth (feet) from to

SCREEN RECORD

screen type or open hole

STEEL

BRASS

BRONZE

PLASTIC

HO

OPEN

HOLE

OTHER

C3

PUMPING TEST

HOURS PUMPED (nearest hour)

03

PUMPING RATE (gal. per min.)

15

METHOD USED TO MEASURE PUMPING RATE

594L

WATER LEVEL (distance from land surface)

BEFORE PUMPING

23

ft.

WHEN PUMPING

40

ft.

TYPE OF PUMP USED (for test)

A

air

P

piston

T

turbine

C

centrifugal

R

rotary

O

other (describe below)

J

jet

S

submersible

NUMBER OF UNSUCCESSFUL WELLS:

WELL HYDROFRACTURED

yes

no

Y

N

CIRCLE APPROPRIATE LETTER

A

A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

E

ELECTRIC LOG OBTAINED

P

TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS LIC. NO. 1

M

SD 009

DRILLERS SIGNATURE

Allen Compton

(MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1

D

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

C2

DEPTH (nearest ft.)

HO

70

300

E

A

C

H

S

C

R

E

E

N

SLOT SIZE 1

2

3

DIAMETER OF SCREEN

56

60

(NEAREST INCH)

from

to

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

68

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

T

(E.R.O.S.)

W

Q

70

72

74

75

76

TELESCOPE CASING

LOG INDICATOR

OTHER DATA

PUMP INSTALLED

DRILLER INSTALLED PUMP (CIRCLE) (YES or NO)

YES

NO

IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.

TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29.

29

CAPACITY: GALLONS PER MINUTE (to nearest gallon)

31

35

PUMP HORSE POWER

37

41

PUMP COLUMN LENGTH (nearest ft.)

43

47

CASING HEIGHT (circle appropriate box and enter casing height)

+

above

LAND SURFACE

-

below

02

(nearest foot)

50

51

LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURES AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)

No Survey States

09/28/2000 08:23

410-631-3163

MDE WMA

PAGE 15

C1 08016

SEQUENCE NO.
(MDE USE ONLY)STATE OF MARYLAND
WELL COMPLETION REPORT
FILL IN THIS FORM COMPLETELY
PLEASE TYPETHIS REPORT MUST BE SUBMITTED AFTER
WELL IS COMPLETED.COUNTY
NUMBER A50225KK (13)

ST/CO USE ONLY

DATE RECEIVED

SEP 28 2000

DATE WELL COMPLETED

9 20 00

Depth of Well

27 300 28
(TO NEAREST FOOT)PERMIT NO.
FROM "PERMIT TO DRILL WELL"
H0-94-2837

OWNER Rachuba

Chris

STREET OR RFD 3571 Willow Branch Dr.

TOWN Glenwood

SUBDIVISION Vineyards at Cattail

SECTION

LOT 4

WELL LOG

Not required for driven wells

GROUTING RECORD

WELL HAS BEEN GROUTED
(Circle Appropriate Box)YES NO
Y N

TYPE OF GROUTING MATERIAL (Circle one)

CEMENT (CM) BENTONITE CLAY (BC)

NO. OF BAGS 28 NO. OF POUNDS 2632

GALLONS OF WATER 168

DEPTH OF GROUT SEAL (to nearest foot)

from 0 to 30 ft.
40 TOP 80 90 BOTTOM 50

(enter 0 if from surface)

CASING RECORD

casing
types
insert
appropriate
code
below

(ST) STEEL

(CO) CONCRETE

(PL) PLASTIC

(OT) OTHER

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

(ST)

(06)

(80)

EACH CASING

OTHER CASING (if used)

diameter depth (feet)
inch from toscreen type
or open hole

SCREEN RECORD

Insert
appropriate
code
below

(ST) STEEL

(BR) BRASS

(HO) OPEN HOLE

(PL) PLASTIC

(OT) OTHER

NUMBER OF UNSUCCESSFUL WELLS:

WELL HYDROFRACTURED

YES NO
Y N

CIRCLE APPROPRIATE LETTER

A A WELL WAS ABANDONED AND SEALED
WHEN THIS WELL WAS COMPLETED

E ELECTRIC LOG OBTAINED

D TEST WELL CONVERTED TO PRODUCTION
WELLI HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN
ACCORDANCE WITH COMAR 26.04.01 "WELL CONSTRUCTION" AND
COMPLIANCE WITH ALL CONDITIONS STATED IN THE ABOVE
OPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED
HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY
KNOWLEDGE.

DRILLERS LIC. NO. 1 M 20009

DRILLER'S SIGNATURE

(MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1 D

SITE SUPERVISOR (sign. of driller or journeyman
responsible for sitework if different from permittee)GRAVEL PACK
IF WELL DRILLED
WAS FLOWING WELL
INSERT F IN BOX 58MDE USE ONLY
(NOT TO BE FILLED IN BY DRILLER)
T (E.R.O.S.) W O

70

72

74

76

TELESCOPE
CASINGLOG
INDICATOR

OTHER DATA

PUMPING TEST

HOURS PUMPED (nearest hour) 03

PUMPING RATE (gal. per min.) 15

METHOD USED TO
MEASURE PUMPING RATE 5946

WATER LEVEL (distance from land surface)

BEFORE PUMPING 23 ft.

WHEN PUMPING 40 ft.

TYPE OF PUMP USED (for test)

(A) air

(P) piston

(T) turbine

(C) centrifugal

(R) rotary

(O) other
(describe below)

(J) jet

(S) submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP YES NO

IF DRILLER INSTALLS PUMP, THIS SECTION
MUST BE COMPLETED FOR ALL WELLS.TYPE OF PUMP INSTALLED
PLACE (A,C,J,P,R,S,T,O)
IN BOX 28.CAPACITY:
GALLONS PER MINUTE
(to nearest gallon) 31 38

PUMP HORSE POWER 37 41

PUMP COLUMN LENGTH
(nearest ft.) 45 47CASING HEIGHT (circle appropriate box
and enter casing height)

+ above

LAND SURFACE

- below

02 (nearest
foot)

LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURES
AND INDICATE NOT LESS THAN
TWO DISTANCES
(MEASUREMENTS TO WELL)

No Survey Station

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-2837
Location of property (road) 3571 Willow Birch Dr.
Subdivision Vineyards at Cattail Lot 4 Block Plat Sec.
Well Driller Fogles Owner Chris Rachuba

Depth of well 300'
Distance of measuring point (M.P.) above ground 2'
Static water level (S.W.L.) below M.P. 23

I. High rate pumping -- reservoir drawdown

Time pump started 9:00 Pumping rate 15
Total time 75 min to reach pumping water level 40 ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

[illegible]

Review

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-2837
Location of property (road) 3571 Willow Birch Dr.
Subdivision Vineyards at Cattail Lot 4 Block Plat Sec.
Well Driller Fogles Owner Chris Rachuba

Depth of well 300'
Distance of measuring point (M.P.) above ground 2'
Static water level (S.W.L.) below M.P. 23'

I. High rate pumping -- reservoir drawdown

Time pump started 9:00 Pumping rate 157
Total time 15 to reach pumping water level 37' ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

[illegible]

B 12011

SEQUENCE NO.
(MDE USE ONLY)STATE OF MARYLAND
PERMIT TO DRILL WELL

STATE PERMIT-NUMBER

Please print or type

H0-94-2837
fill in this form completely

Date Received (APA)

8/24/2000
8 MM DD YY 13

OWNER INFORMATION

RACHUBA CHRIS
943 MADAMECH CT APT B
EDERSBURG MD 21784

B 3

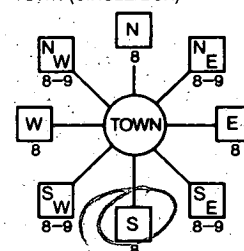
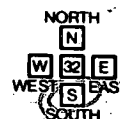
LOCATION OF WELL

HOWARD
21 COUNTY
THE VINEYARDS
23RD SUBDIVISION
SECTION 44 46 LOT 48 50
GLENWOOD
52 NEAREST TOWN
MILES FROM TOWN (enter 0 if in town) 1 M I
73 76 77 78

DRILLER INFORMATION

AARON COMPTON MS D009
FOGLES WELL DRILLING
580 OBRECHT RD SIKESVILLE 21784
Allen Compton 8/24/00

B 4

1 2
DIRECTION OF WELL FROM
TOWN (CIRCLE BOX)3571 WILLOW BIRCH DR
11 NEAR WHAT ROAD 30ON WHICH SIDE OF ROAD
(CIRCLE APPROPRIATE BOX)

34 50 37
DISTANCE FROM ROAD FT
ENTER FT OR MI 38 39

TAX MAP: 21 BLK: 8 PARCEL 224

B 2 WELL INFORMATION
APPROX. PUMPING RATE 5
(GAL. PER MIN.) 8 12
AVERAGE DAILY QUANTITY NEEDED 500
(GAL. PER DAY) 14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- ☒ DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
☐ FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
☐ INDUSTRIAL, COMMERCIAL, DEWATERING
☐ PUBLIC WATER SUPPLY WELL
☐ TEST, OBSERVATION, MONITORING
☐ GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER
HEALTH DEPARTMENT APPROVAL

Howard A50225 KK (13)
COUNTY NAME COUNTY NO.
STATE SIGNATURE INSERT S
DATE ISSUED 9/1/2000 Brian Baker 9/1/2001
43 MM DD YY 48 CO SIGNATURE EXP. DATE
NORTH GRID 523 000 EAST GRID 788 000
50 55 57 63

APPROXIMATE DEPTH OF WELL 300 FEET
24 28APPROXIMATE DIAMETER OF WELL 6 INCH
NEAREST INCH

METHOD OF DRILLING (circle one)

- BORED (or Augered) JETTED Jetted & DRIVEN
30 AIR-PerCussion AIR-PerCussion ROTARY (Hydraulic Rotary)
37 CABLE REVERSE-ROTARY Drive-POINT
other

REPLACEMENT OR DEEPEMED WELLS
(CIRCLE APPROPRIATE BOX)

- ☒ THIS WELL WILL NOT REPLACE AN EXISTING WELL
☐ THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
39 ☐ THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
☐ THIS WELL WILL DEEPEMED AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED
(IF AVAILABLE) 41 52

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROX. PERMIT NUMBER 54 G A P 63

PERMIT No. H0-94-2837
70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED -

SHOW MAJOR FEATURES OF
BOX & LOCATE WELL
WITH AN 'X'

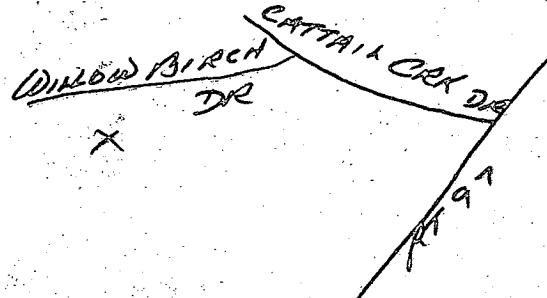
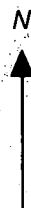
SOURCES OF DRILLING WATER

- 1.
- 2.
- 3.

WRITE THE BOX NUMBER
FROM THE MAP HERE

E 7808

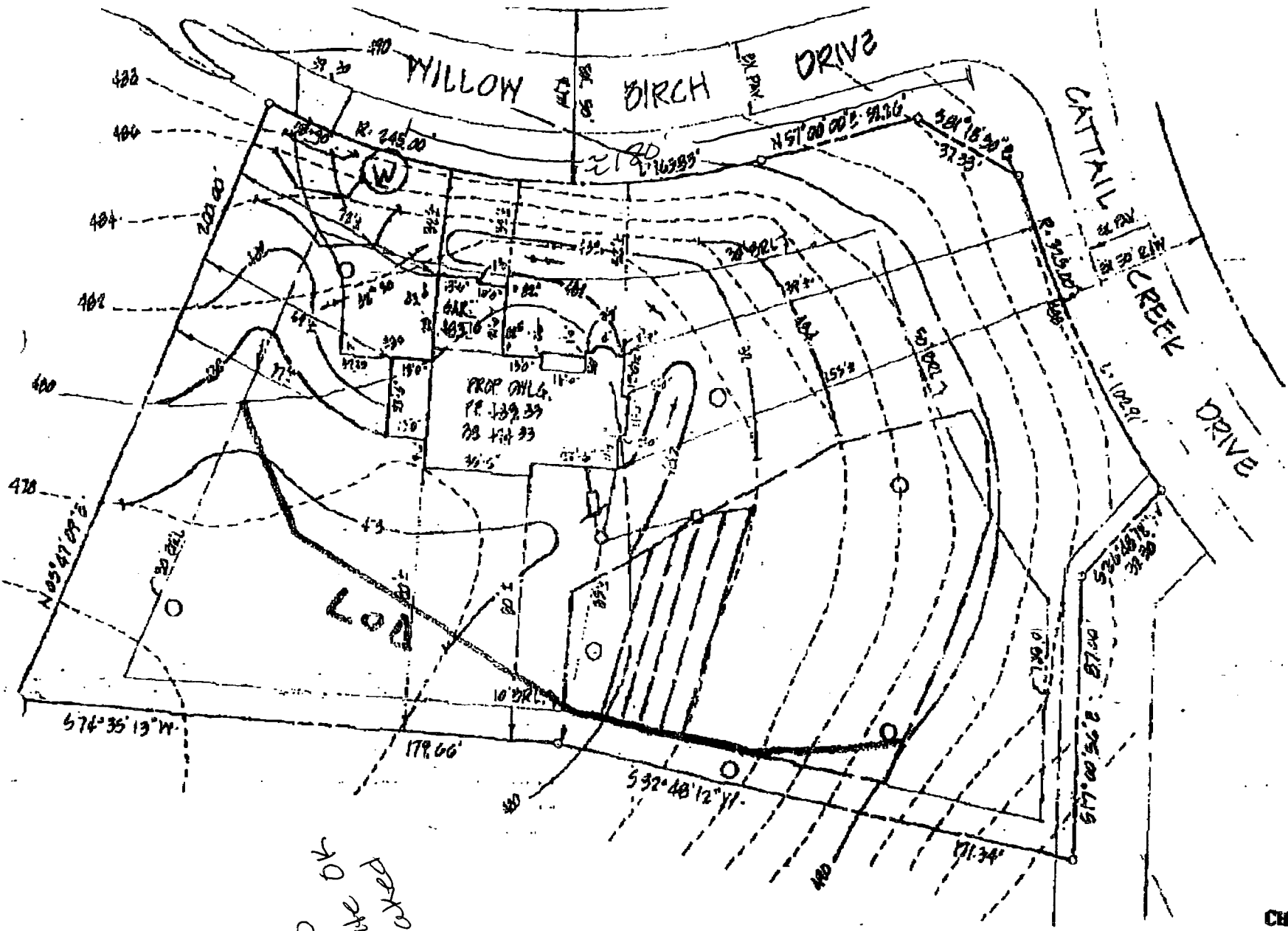
N 5203

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN
RELATION TO NEARBY TOWNS AND ROADS AND GIVE
DISTANCE FROM WELL TO NEAREST ROAD JUNCTION

NO. 100-2078

8/31/00 OK
side
well soaked
as
Ann

CHARL
City



APPLICATION

PERCOLATION TESTING

A 50225KK

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

Mario Mannarelli

ADDRESS

C/O Land Design Development
12805 Hickory Ridge Rd

PHONE

740-2100

AGENT OR PROSPECTIVE BUYER

Dawn Reich

ADDRESS

PHONE

PROPERTY LOCATION:

SUBDIVISION

Vineyards at Cattail Creek

LOT NO.

31(4)

ROAD AND DESCRIPTION

Route 97

TAX MAP

21

PARCEL #

2,132,220 + 211

SIZE OF LOT

1 ± 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 NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

Myal A. Reich

(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. #

Vineyards at CC SP-96-11

DATE

2/28/96

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

DATE

THIS IS NOT A PERMIT

lot 3/ 2 test

A50225KK

Now 33

COUNTY #

SOIL PROFILE

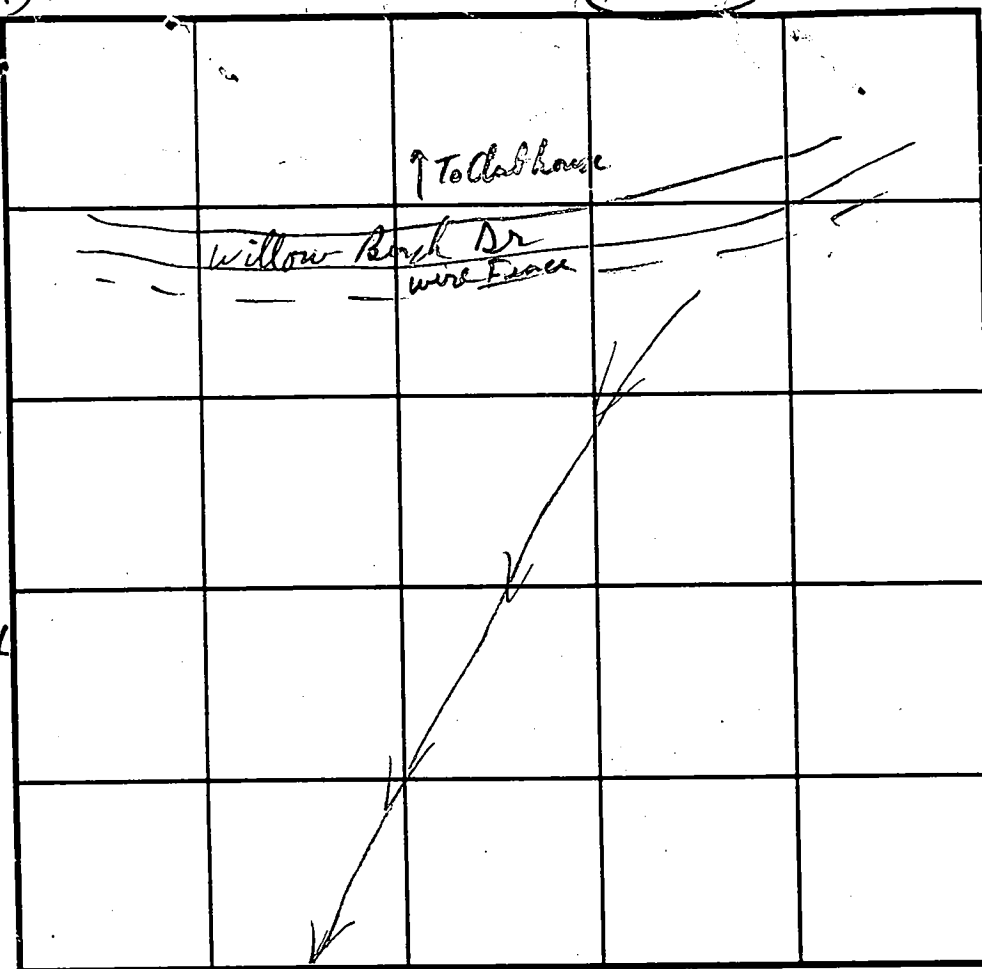
0' A
Hillb. SCL
2 CLD more
10' 18"
Med. Brn
+ dark grey
(10 YR 4/2)
30' h. Hillb. SCL
grey, sandy
2 clay, 10' 42"
h. Hillb. SCL
Red Brn v. moist
2 grey, 10' 54"
Hillb. SCL
Red Mica loam
- h. loam

B

16' Dark Brn Mica
loam
Var large
Patches of
Dark Brn
Mica loam
2 v. dark Brn
Mica loam
with
pale grey, white
cream & orange
SL, so low
dark h. loam
5' dark Brn
Mica loam
6' 10'

C

Dark Brn
- black hL
18-20" Med Brn hL
Mica
2 1/2-3' Mix grey
+ Med Brn
Mica loam
6' olive - Med Brn
Brn Mica loam
Some for
orange
and yellow
Hillb. SCL
10'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

0' C
Dark Brn
- black hL
16-18" hL Top soil
Red Brn
SL-hL
2 grey, 10' 31"
grey
E Hillb. SCL
Mica
5' 1/2' dark Brn
pale
in 14' Brn
Mica loam
white
n. h. grey
SCL
9' white
Co. F. 102
102

Hole E -

(A) 18" Dark Brn SCL
(B) 18" Dark Brn - pale
2 1/4" grey, 10' 31"
Mica grey +
yellow + orange
3 1/2' hL SCL
grey + red
Mica loam
SCL Pale, Str

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8/30/94	* A	1/2 4	10:24:20	10:26:00	10:26:00	10:39:45	12 min
4/30/95	* B		10:41:15	10:44:30	10:44:30	11:46:10	2 min
6/31/95		1/10'					
6/31/95	4364/4365 D	1/10' 5'	10:52:00	10:56:00	10:58:50	11:52:10	
* {Too fast to read data}	C	10 1/2 4'	missed 11:06:15		11:06:40	11:06:55	? Too Fast
	4366/4367 E	1/10'	11:11:30	11:11:45	11:12:30		Too Fast
	F						

REMARKS * Nodules of Seaweed (Broad Sponges - Mottled SCL) (Holes - Glenville)

TYPE OF SOIL Glenville, Mass (Appl. to lot 29 + 30 also)

TESTED BY R. J. Pinley ALSO PRESENT Mike Johnson

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH

INLET DEPTH MAXIMUM BOTTOM DEPTH SQ. FT./BEDROOM

Mark Reiss
 Stopped
 Lot 31 4/12/95
 9/9/94
 P.M.

LOT #31

Redesign

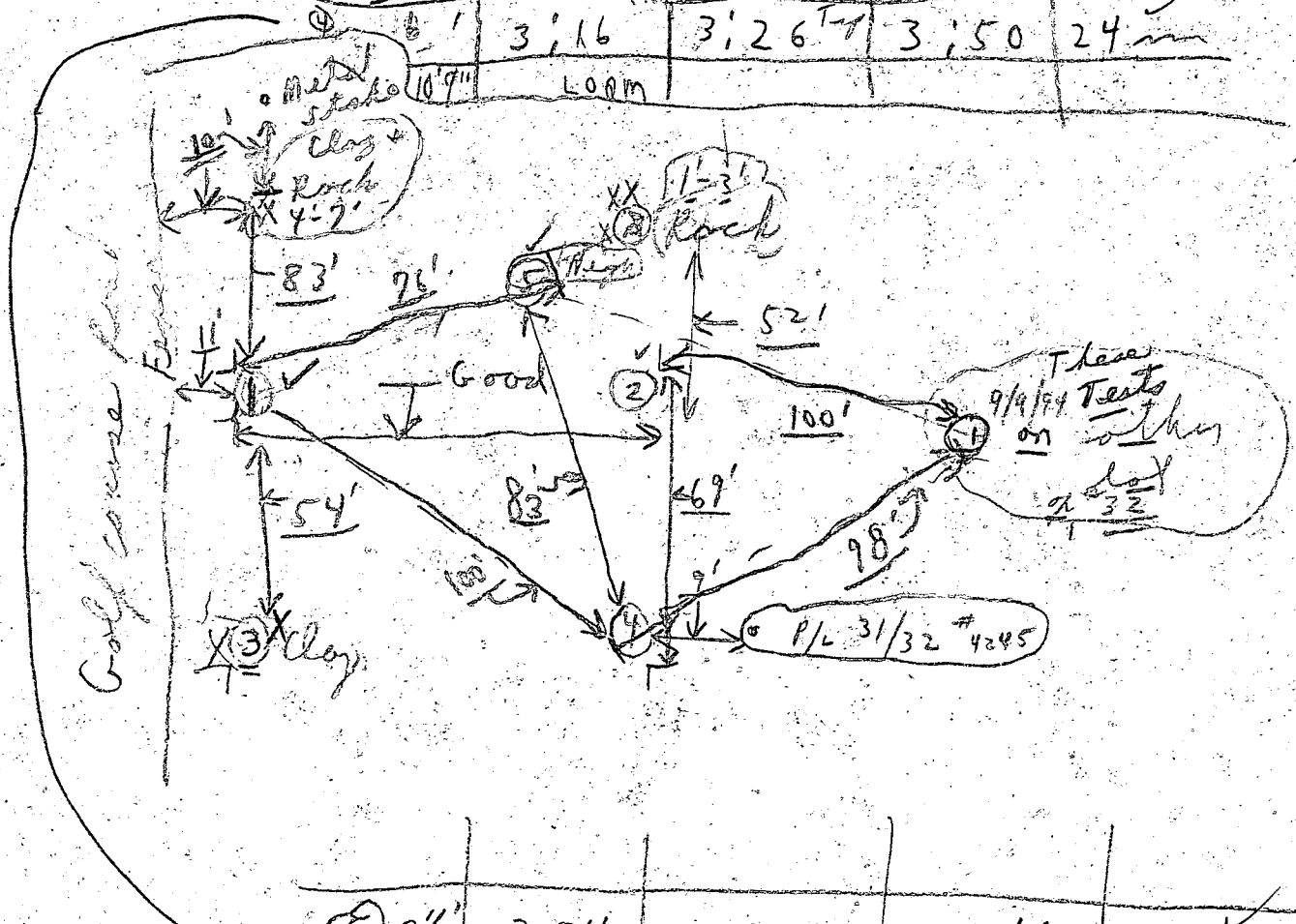
Closest

Now 33

Now

34

	Depth	1"	2"	2"	Total
1	4 1/2'	2:42	2:52	10 min	no movement (slow)
2	2:1"	2:57	3:03	3:12	9 min
	10 1/2'	LOAM	Below	Clay	
	5'	2:49	3:09	3:35	26 min
2	9 1/2'				
	6 1/2'	3:08	Clay	1/2" to 3/4"	XX
3	10'	XXX	X ↓	XX	1
4	8'	3:16	3:26	3:50	24 min
	10 9"	LOAM			



5	3 1/2'	3:34	3:36	3:46	10 min
	8-2"	Loam	To rock	at bottom	

Shallow

AS0225KK
LOT 31

Mark Beech
Marrion
+ Bragg

9/9/94

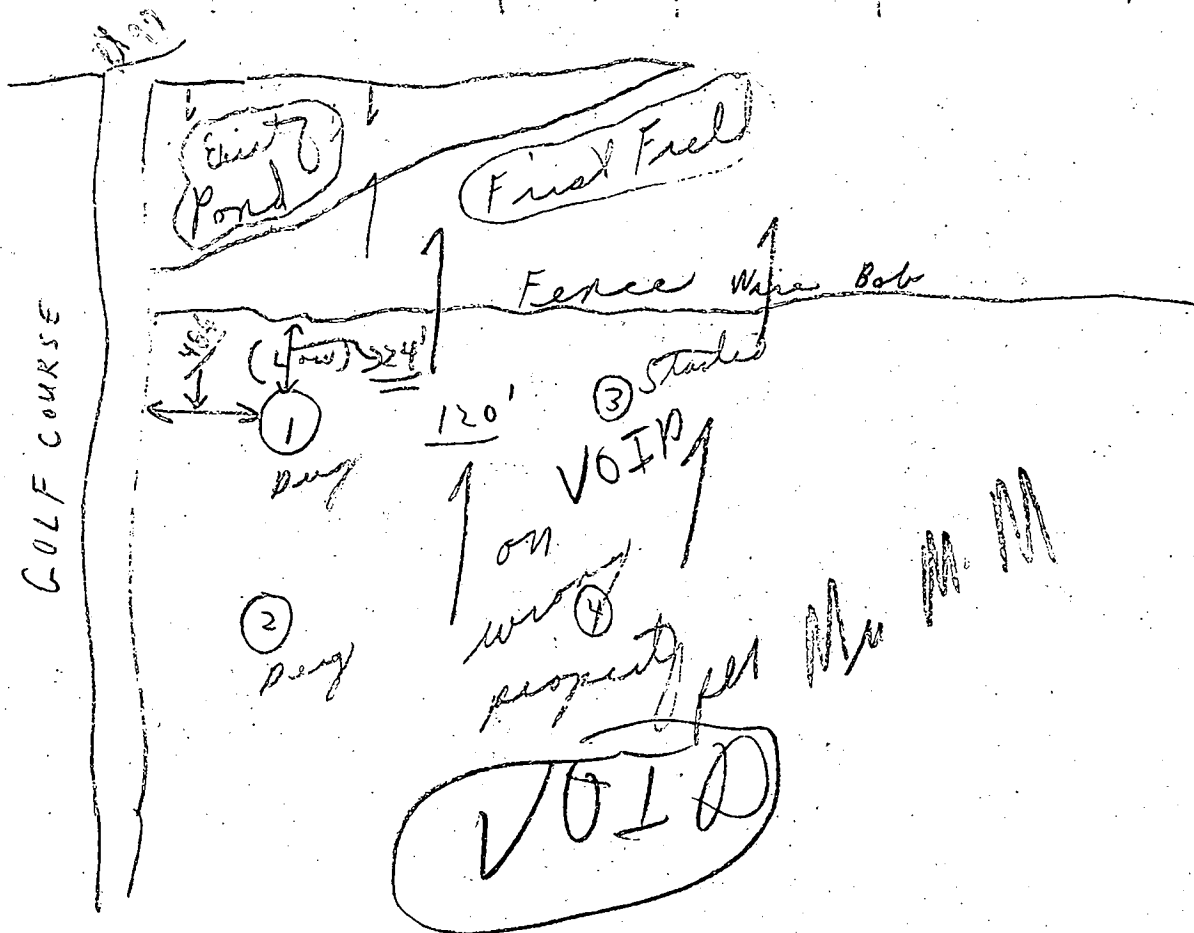
CBD

LOT 31

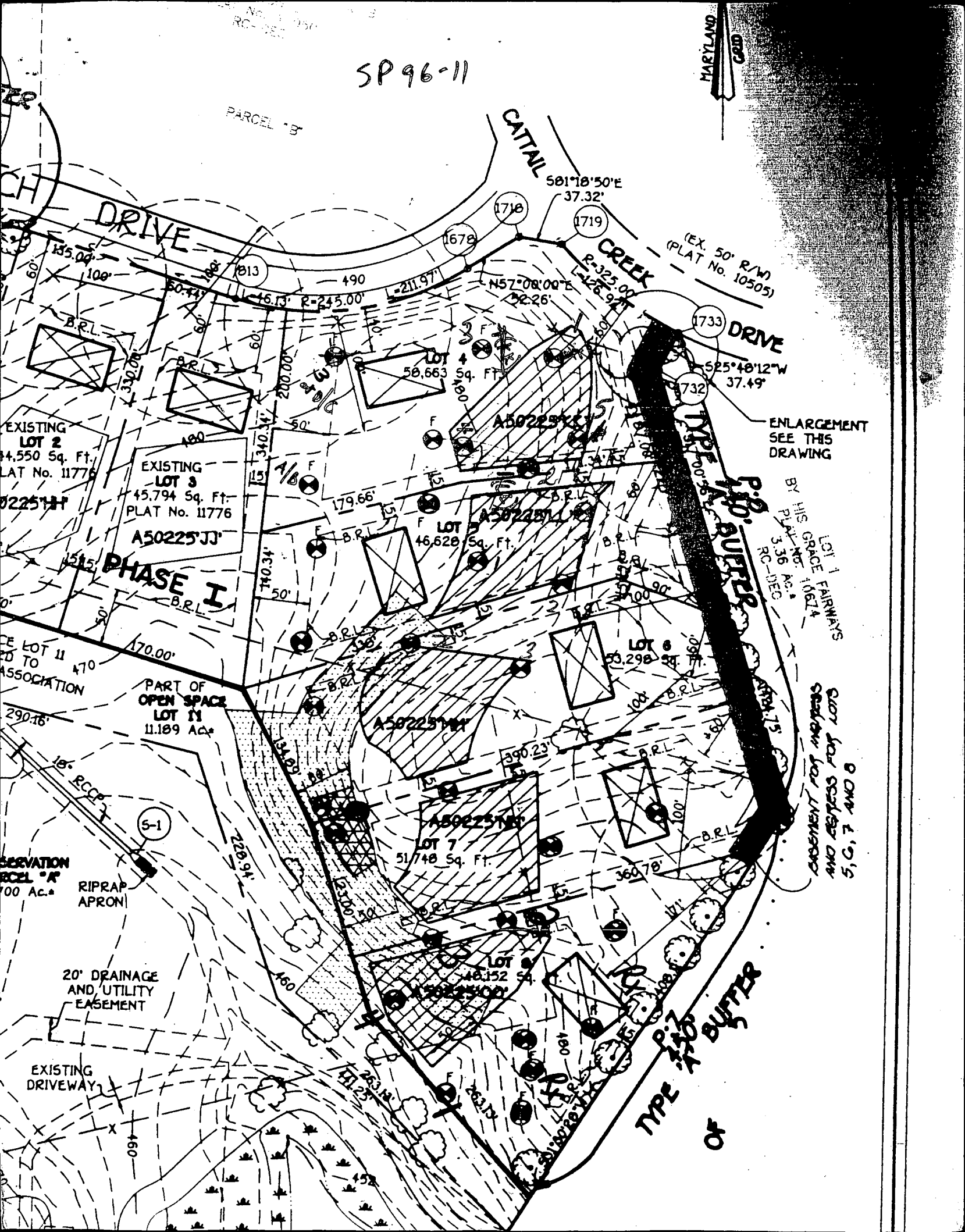
(Closer to R197)
(Redesignated & over the hill)

from original series

	Depth	1 st start	2 nd start	2 nd stop	Total (min)
①	4 1/2'	1:51	1:54	1:00	
(LOW) ②	10'	6:10		on wrong property	
③		:	:		per
④	No	Start	Start		Marrion
⑤		:	:		annexed



SP 96-11



PARCEL "B"

CATTAL CREEK

MARYLAND
GRID

DRIVE

CREEK

DRIVE

PHASE I

ENLARGEMENT
SEE THIS
DRAWING

LOT 1 FAIRWAYS
BY HIS GRACE JUDGE
PLAT No. 10614
RC-DEC
3.36 AC.

O.C.M. & C.G.'S
CUT FOR CEMENT AND
CUT FOR LAMINAR

TYPE A BUFFER
OF

EXISTING
LOT 2
44,550 Sq. Ft.
PLAT No. 11776

EXISTING
LOT 3
45,794 Sq. Ft.
PLAT No. 11776

LOT 4
58,663 Sq. Ft.

LOT 5
46,628 Sq. Ft.

LOT 6
53,298 Sq. Ft.

LOT 7
51,748 Sq. Ft.

PART OF
OPEN SPACE
LOT 11
11.189 AC.

20' DRAINAGE
AND UTILITY
EASEMENT

RIPRAP
APRON

EXISTING
DRIVEWAY

100 YEAR FLOODPLAIN	25% SLOPES	MINIMUM LOT SIZE
----	----	46,021 Sq.Ft.*
----	805 Sq.Ft.*	50,673 Sq.Ft.*
----	1,650 Sq.Ft.*	40,020 Sq.Ft.*
----	----	47,050 Sq.Ft.*

F 96 -

THE REQUIREMENTS 3-108, THE RE-
CODE OF MARYLAND, 1980 REPLACE
AS FAR AS THEY RELATE TO THE
SETTING OF MARKERS HAVE BEEN

TERRELL A. FISHER, L.S. #10692
(REGISTERED LAND SURVEYOR)

MARIO F. MANNARELLI, SR.
(OWNER)

MARIO F. MANNARELLI, JR.
(OWNER)

