

9/27/00 9/28/00
10:00 C.O. Final
PH

PERMIT

SEWAGE DISPOSAL SYSTEM

HOWARD COUNTY HEALTH DEPARTMENT

INDEXED

BUREAU OF ENVIRONMENTAL HEALTH
410-313-2640

P 514255

A 58993-U

ISSUE DATE 9/15/2000

APPROVAL DATE 9/28/00

04-364422

Hatfields Equipment

IS PERMITTED TO INSTALL X ALTER

ADDRESS 13785 Burntwoods Road, Glenelg, MD 21737 PHONE 301-854-6172

SUBDIVISION Cattail Ridge LOT NUMBER 20 ADDRESS 3504 Winding Path Court

PROPERTY OWNER Williamsburg Group LLC PROPERTY OWNER'S ADDRESS P.O. Box 1018

Columbia, MD 21044

SEPTIC TANK CAPACITY 2 - 1500 GALLONS

PUMP CHAMBER CAPACITY GALLONS

*** TOP SEAMED TANKS REQUIRED ***

*** INSTALL TWO 1500 GALLON SEPTIC TANKS IN SERIES
AS SHOWN ON ATTACHED PLAN ***

NUMBER OF BEDROOMS 4

SQUARE FEET PER BEDROOM 210

LINEAR FEET OF TRENCH REQUIRED 280

TRENCHES: Trenches to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth
5 feet below original grade. 2 feet of stone below distribution box.

LOCATION: Begin trenches 120 feet down the left lot line and 15 feet off that same lot line
as seen when facing the lot from Winding Path Way. Run trenches on contour toward the
right lot line. OK/MR

Keep trenches 9' edge to edge (12' center to center) if contour allows
to conserve septic area for 2 complete repairs.

PLANS APPROVED Amy McMillen ON SRN 8/13/00 DATE 7/12/2000

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

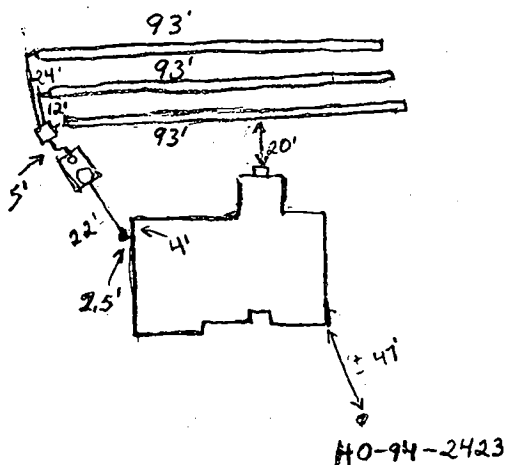
NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE
SUCCESSFUL OPERATION OF ANY SYSTEM

PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

A58993-U

NOT TO SCALE



TRENCH DATA

TRENCH WIDTH 3.0'
TRENCH INLET DEPTH 3.0'
TRENCH BOTTOM DEPTH 5.0'
DEPTH OF STONE 2.0'
NUMBER OF TRENCHES 3
TOTAL TRENCH LENGTH 279'
ABSORBENT AREA 837 sq. ft.
DISTRIBUTION BOX LEVEL Levelers
BAFFLE IN DISTRIBUTION BOX

SEPTIC TANK DATA

SEPTIC TANK 1500 TS GALLONS
MANHOLE RISER Yes
6 INCH INSPECTION PORT Yes

~~PUMP CHAMBER DATA~~ N/A

~~PUMP CHAMBER GALLONS~~
~~MANHOLE RISER~~
~~ALARM~~
~~PUMP PERFORMANCE TEST~~

PRE-CONSTRUCTION INSPECTION: 9/27/00 S.T. DID NOT ARRIVE; TRENCH LAYOUT OK (MR)

INSPECTION COMMENTS: 9/28/00 House connection made. Everything satisfactory. O.K. to cover. (BB)

INSPECTOR

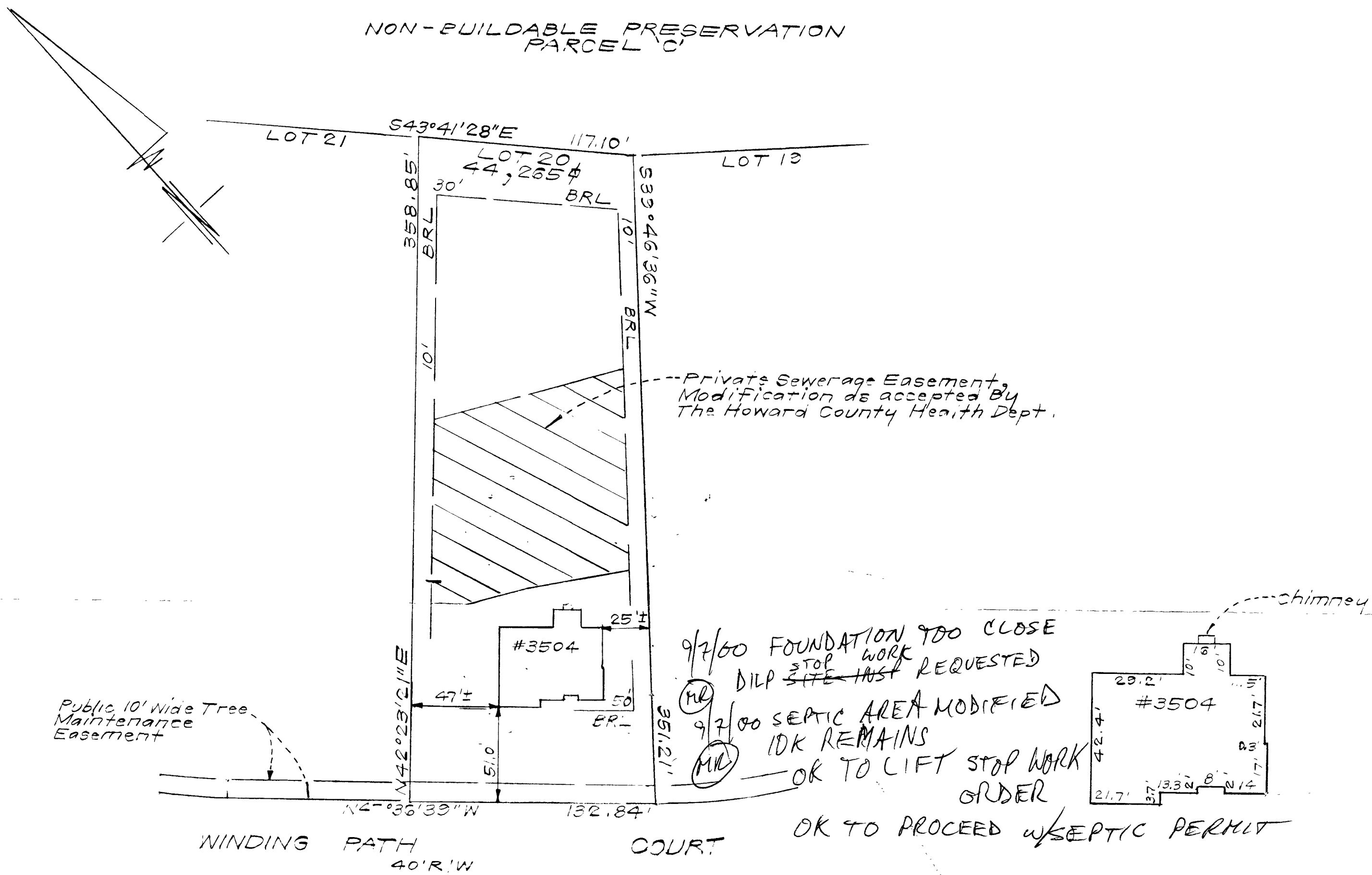
B. Baker

DATE SYSTEM APPROVED

9/28/00

E: This lot appears to lie in an area classified as Zone C, area of minimal flooding, as shown on FIRM MAP of Howard County, Maryland, Community Panel Number 2400440020B, Panel 20 of 45, dated December 4, 1986.

Wall Check: 8-29-00
Top of Wall Elev.: 511.3



CONSUMER INFORMATION

1. This plat is of benefit to the consumer only insofar as it is required by a lender of a title insurance company or its agent in connection with contemplated transfer, financing or refinancing purposes;
2. This plat is not to be relied upon for the establishment or location of fences, garages, buildings or other existing or future structures;
3. This plat does not provide for the accurate identification of property boundary lines, but such identification may not be required for the transfer of title or for securing financing or refinancing.

SURVEYOR'S CERTIFICATE

I hereby certify that a field survey has been made under my supervision of locating the improvements shown, they are located as shown.



8-30-00
DATE

NOTES:

1. The ± setback distance accuracy = 1'.

Plat Reference: PLAT No. 14158

CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 BALT. • (301) 621-8100 WASH.	
DESIGNED	LOCATION DRAWING 3504 WINDING PATH COURT LOT 20 CATTAIL RIDGE
DRAWN	LOTS 4 THRU 37 AND PARCELS 'A' THRU 'C' (A RESUBDIVISION OF "CATTAIL RIDGE", LOTS 1 THRU 3, PLAT NO. 13626 AND THE RESIDUE OF SYNDACON PROPERTY, INC., LIBER NO. 4228 AT FOLIO 464)
CHECKED	COURTYL ELECTION DISTRICT HOWARD COUNTY MARYLAND
PAS	
SCALE	1" = 50'
DRAWING	
JOB NO.	

FROM : HbCo EnvHealth

FAX NO. : 4103132648

Oct. 04 2000 01:25PM P1

**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: Charles A Klein & Sons, Inc. Telephone #: (410) 549-6960
Address: 3220 Kline Mill Rd
Hydramilla, MD 21704

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer

License # and name of individual responsible for the field installation:

Name (Print): CHARLES A. KLEIN, JR. License #: 6521

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

Name of Property Owner: William Long Sharp Telephone #: (410) 997-8800
Subdivision: CATTAIL RIDGE Lot #: 20 Well Tag #: HO-94-2423
Site Address: 3504 WINDING PATH COURT
GLENWOOD, MD 21738

Submersible Pump Data

Make: JACUZZI

Model #: 3543-TA-52

Pump Capacity: 5 GPM

Well Yield: 5 GPM

Depth of well encountered at time of pump installation: 22.5 (feet)

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

Torque arrestors or Cable guards are required - Must circle one

Safety rope, if used, attached to inside of well casing with eye bolt

Pitless Adapter

Make: HARVARD

Model #: PT-800

Depth: 42" (36" min)

NSF approved:

Well Cap and Electric Conduit

Two piece watertight cap: ✓

Screened, vented well cap: ✓

Cap secured to casing: ✓

Conduit min 18" B.G.: ✓

Conduit secured to well cap: ✓

Piping to house

Type: POLYETHYLENE

PSI: 1" (160 psi min)

Depth of supply line: 36" (36" min)

House Connection

PVC sleeved to undisturbed soil at wall penetration: Yes

Approximate length of sleeve:

Sleeve caulked and sealed properly: ✓

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.

Charles A Klein Jr
Signature of company representative responsible for installation

10/18/00
date

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

Date Insp. Requested: 10/4/00

Date Insp. Approved: 10/4/00

Inspection Data: Pitless adapter and 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 installed inside of well 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 ✓

WPI OK
(DKS) SR4

Total linear feet of trench required 280 feet

Width of trench(es) 3.0 feet

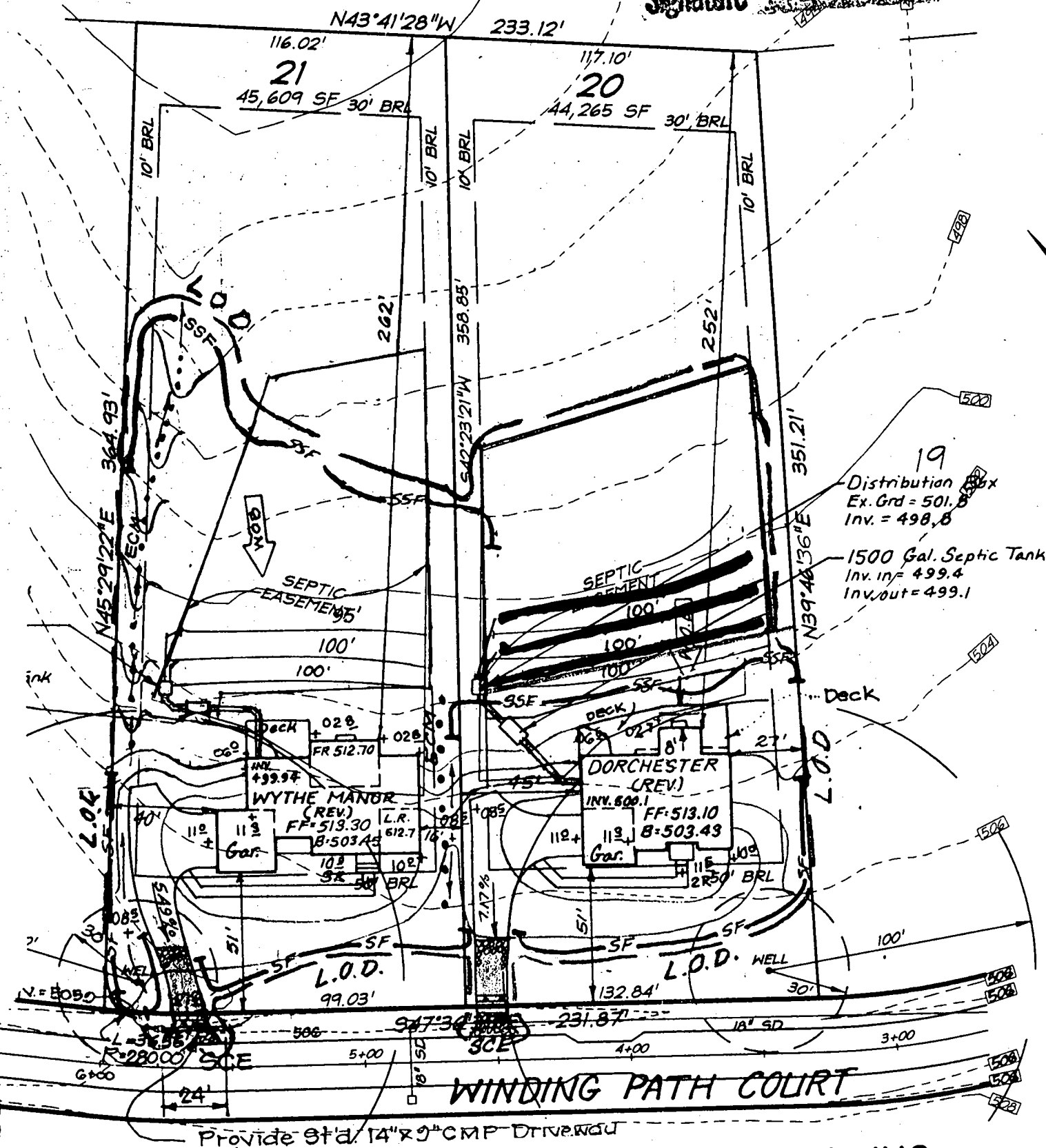
Depth of trench(es) 5.0 feet

Depth of stone required below distribution pipe 2.0 feet

Approved Septic System Plan
Howard County Health Department

Signature [Signature]

Date 7/10/00



CLARK • FINEFROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS

7135 MINSTREL WAY COLUMBIA, MD 21045 (410) 381-7500 BALT. • (301) 621-8100 WASH.



HOWARD COUNTY HEALTH DEPARTMENT

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

September 7, 2000

TO: Sean Kelly
Chief Building Inspector

FROM: Mark Rifkin, Sanitarian (MR)
Water and Sewerage Program

THRU: Amy McMillen, Director
Water and Sewerage Program (AM)

RE: BP B00124787
Cattail Ridge, Lot 20
3504 Winding Path Court

After review of a submitted certified location drawing, this office is requesting the issuance of a Stop Work order for the referenced property. The location drawing depicts a house foundation five feet closer to the approved sewage reserve area than shown on the approved building permit site plan, and five feet closer than the minimum required separation distance.

Although the sewage reserve area can sometimes be modified in response to such situations, soil conditions will not allow any further modification on this lot.

When these issues are resolved, your office will be advised.

MR

9/12/00 ALL ISSUES RESOLVED - PLEASE LIFT
(MR) STOP WORK
ORDER

APPLICATION

PERCOLATION TESTING

A 58993

P _____

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

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

DISTRICT _____

DATE 9-25-97

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 J. Thomas Scribner

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER c/o L D AD

ADDRESS 10805 Hilberry Ridge Suite 205 PHONE 410-740-2102

PROPERTY LOCATION: Columbia, MD 21041

SUBDIVISION Han Rei LOT NO. ~~1718~~ 20

ROAD AND DESCRIPTION Rte 97

TAX MAP 21 PARCEL # ~~1377~~ 3

SIZE OF LOT 1 acre TYPE BLDG. SFD (38 LOTS)

(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 _____

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

LOT 22

COUNTY #

SOIL PROFILE

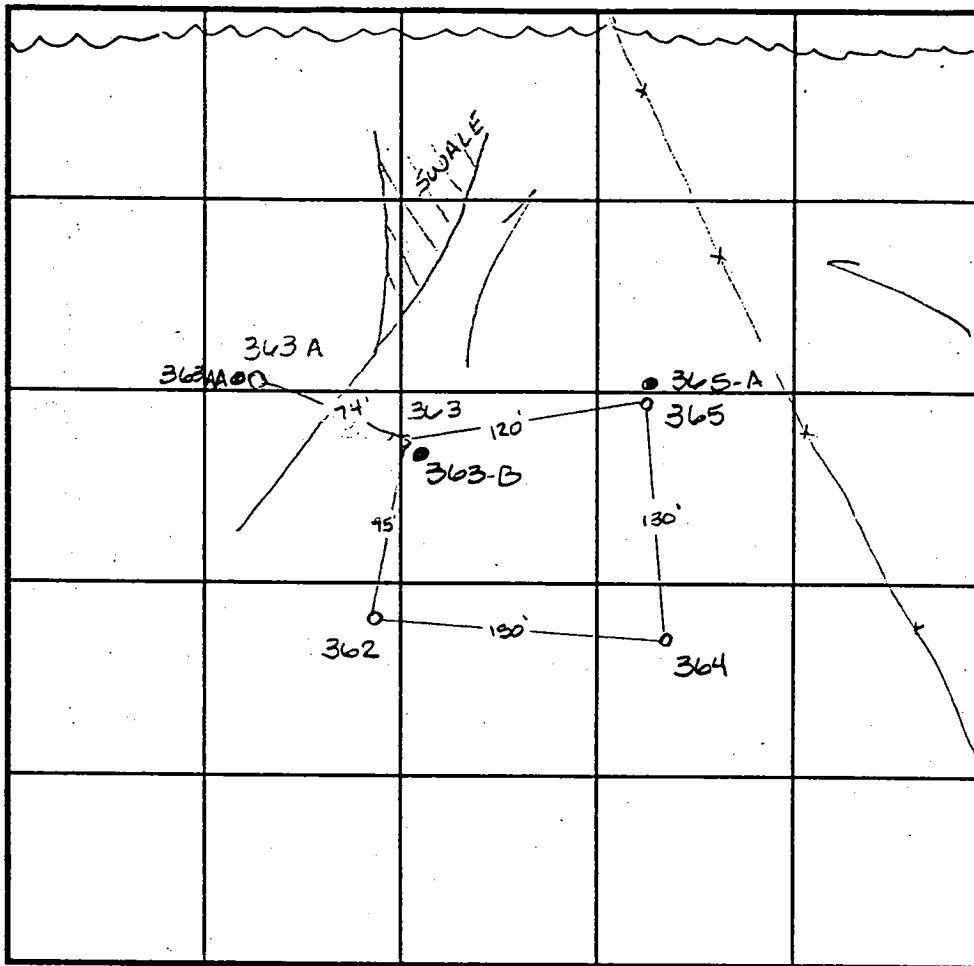
0' 365
orange
tan
SiCLM
3.0
lgt tan
orange
SaSiLM
3.0
Possible
mottled
dull
brn
SiLM
blk &
orange
Splotches

363A

orange
brown
SiCLM
3.0
bright
red
SiLM
3.0
orange
brown
SaLM
1090
Rx
mottling

363

dark
red
SiCLM
3.0
orange
brown
SiLM
3.0
lgt tan
SaLM
possible
mottling
at
bottom



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

0' 364
dark
red
CLM
2.5
lgt or
tan
SiLM
4.5
white
SiLM
turning
more
greyish
toward
bottom
12.5
362
red brn
SiCLM
4.0
orange
red
SaSiLM

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
11-6-97	365	4.0 V12.0	8:32 ³⁰	8:38 ³⁰	8:38 ³⁰	8:42	3 1/2 min	W
	363A	4.0 V11.0	8:19	8:27	8:27	8:52	25 min	W
	363	4.5 V12.0	8:25 ³⁰	8:29	8:29	8:40	11 min	W
	364	4.0 V12.5	8:46	> 30	min		slow	W
	362	3.0 V12.5	8:53	> 30	min		slow	
		7.0 V12.5	8:50	8:52	8:52	9:00	8 min	

REMARKS Wet Season

TYPE OF SOIL

TESTED BY Amy McMillen

ALSO PRESENT Sam / Mike

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM

LOT 17

COUNTY #

SOIL PROFILE

0' 365
orange
brown
SiClm
3.0 lgt tan
brn
SiSaln
pockets
of yellow
9.0 lgt
chroma
grey
matrix
many
mottles
12.0

363B

heavy
red
clm
6.0 lgt tan
orange
SiSaln
10% Rv
12.0

363-A

heavy
red
clm perched
H₂O table
3.0 lgt or
brown
SiLm
8.0 dull
greenish
or brown
SiLm
may
indicate
H₂O
12.0

SOIL PROFILE

0'

see
attached
for diagram

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2-9-98	365	Visual	to 12.0	—	—	—	OK
	363B	Visual	to 12.0	—	—	—	OK
	363A	Visual	to 12.0	—	—	—	OK

REMARKS

TYPE OF SOIL

TESTED BY Amy McMillen

ALSO PRESENT

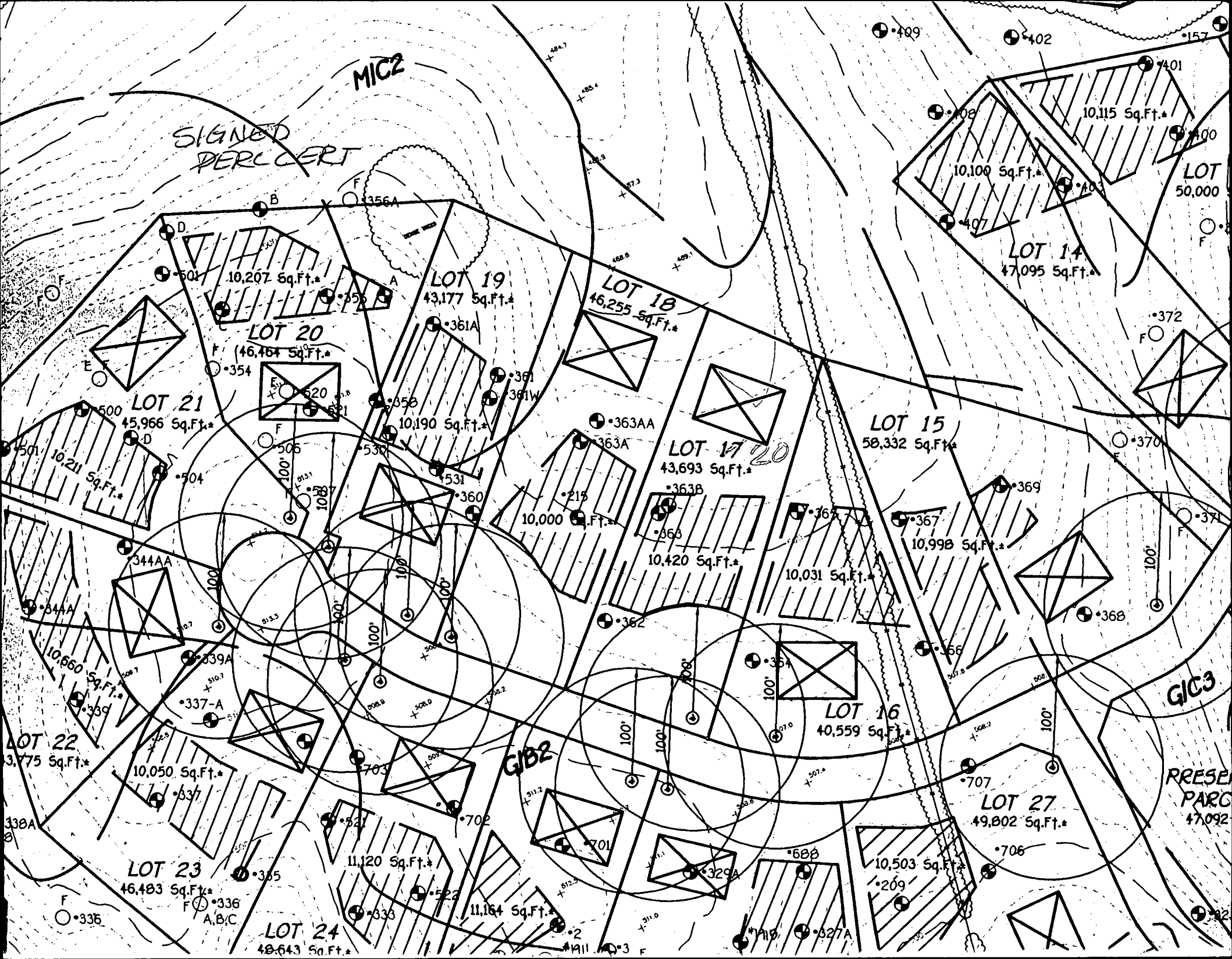
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM



P9902



APPLICATION

PERCOLATION TESTING

A 513374

P _____

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

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

2 LOTS -
PROPOSED
ADJUSTMENT
TO SEPTIC TANKS.
WET SEASON TESTING
REQUIRED. (CW)

DISTRICT _____

DATE 4/7/00

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 WILLIAMSBURG GROUP LLC

ADDRESS P.O. Box 1018 Columbia 21045 PHONE 410-997-8800

AGENT OR PROSPECTIVE BUYER BOB CORBETT EXT 112

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Cattail Ridge LOT NO. 20 7 1

ROAD AND DESCRIPTION _____

TAX MAP _____ PARCEL # _____

SIZE OF LOT 1+ acre 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] 3/29/00
(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

COUNTY #

SOIL PROFILE

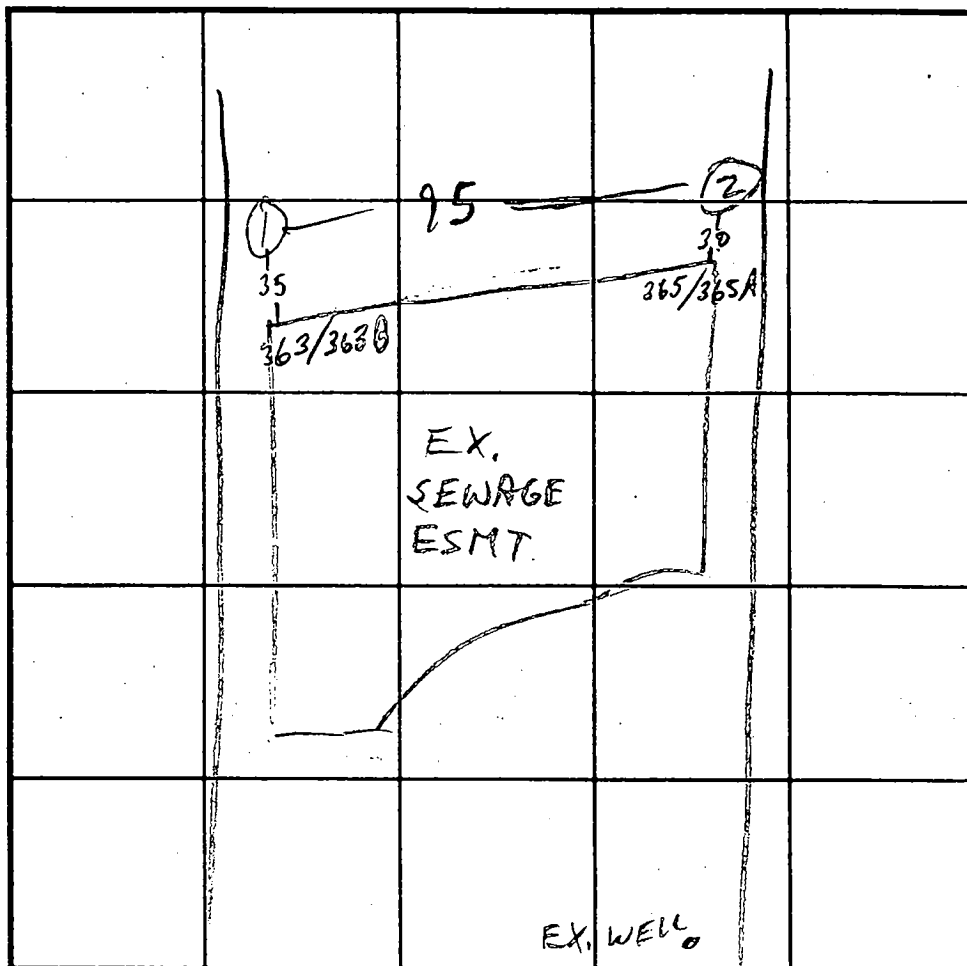
0' ①
tan brn
si lm
1' orge
sa cl lm
3 1/2'
orge brn
sa cl lm
5 1/2'
gray orge
tan sa
mica lm
15-20%
frags
12' 9"

②

orge
cl lm

5 1/2' - 6'
tan gray
mica
sa lm
10-20%
frags
13'

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE. WINDY PATH CT

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5/11/00	1 S	5 1/2'	10:49	10:52	10:52	11:00	8
	1 V	12' 9"	OK see profile				
	2 S	5 1/2'	11:00	11:02	11:02	11:05	3
	2 V	13'	OK see profile				

REMARKS _____

TYPE OF SOIL _____

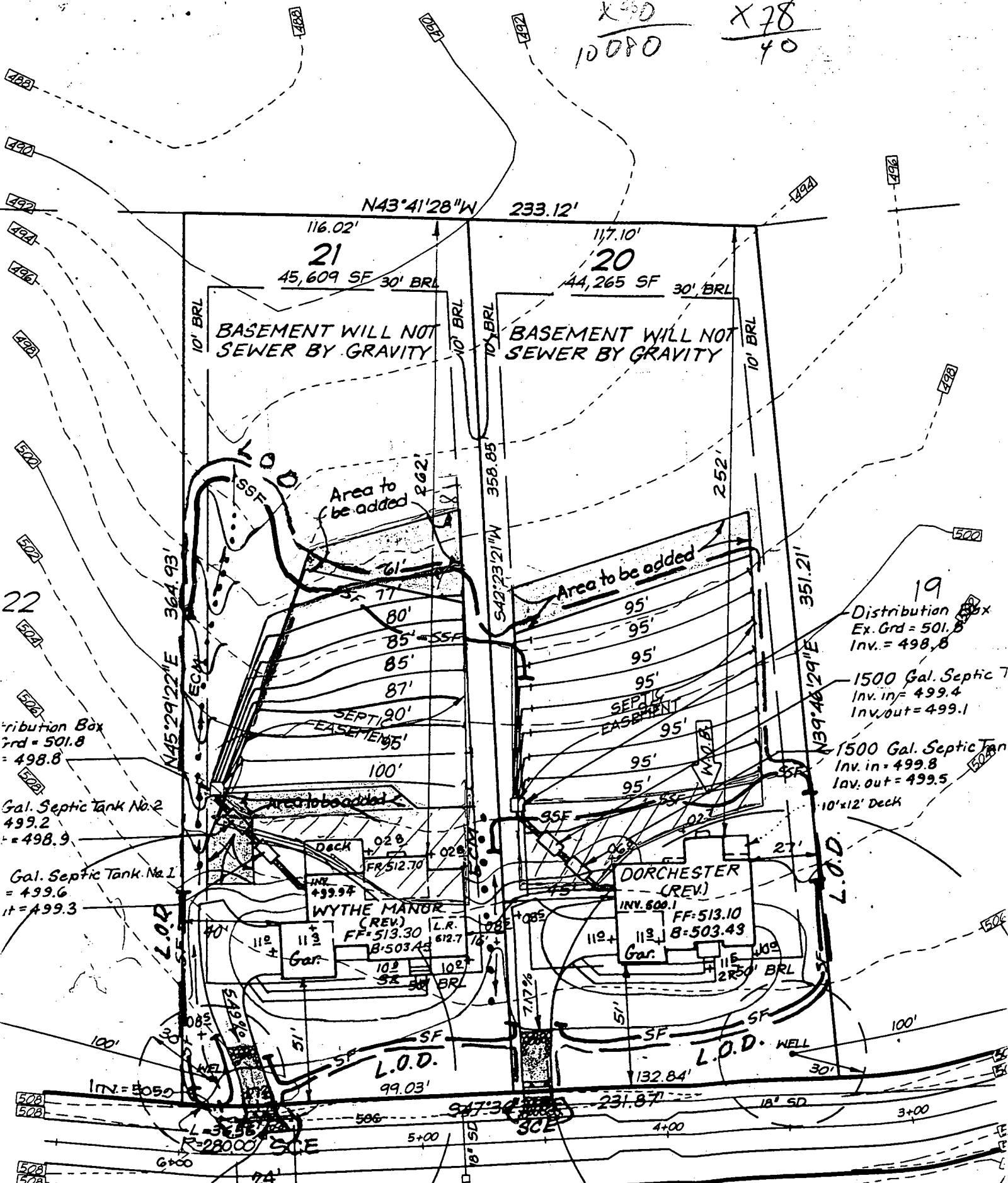
TESTED BY _____ ALSO PRESENT _____

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

1'2
x 90
10080

1'30
x 78
40



Distribution Box
Grd = 501.8
Inv. = 498.8

Gal. Septic Tank No. 2
499.2
Inv. = 498.9

Gal. Septic Tank No. 1
= 499.6
Inv. = 499.3

19
Distribution Box
Ex. Grd = 501.8
Inv. = 498.8

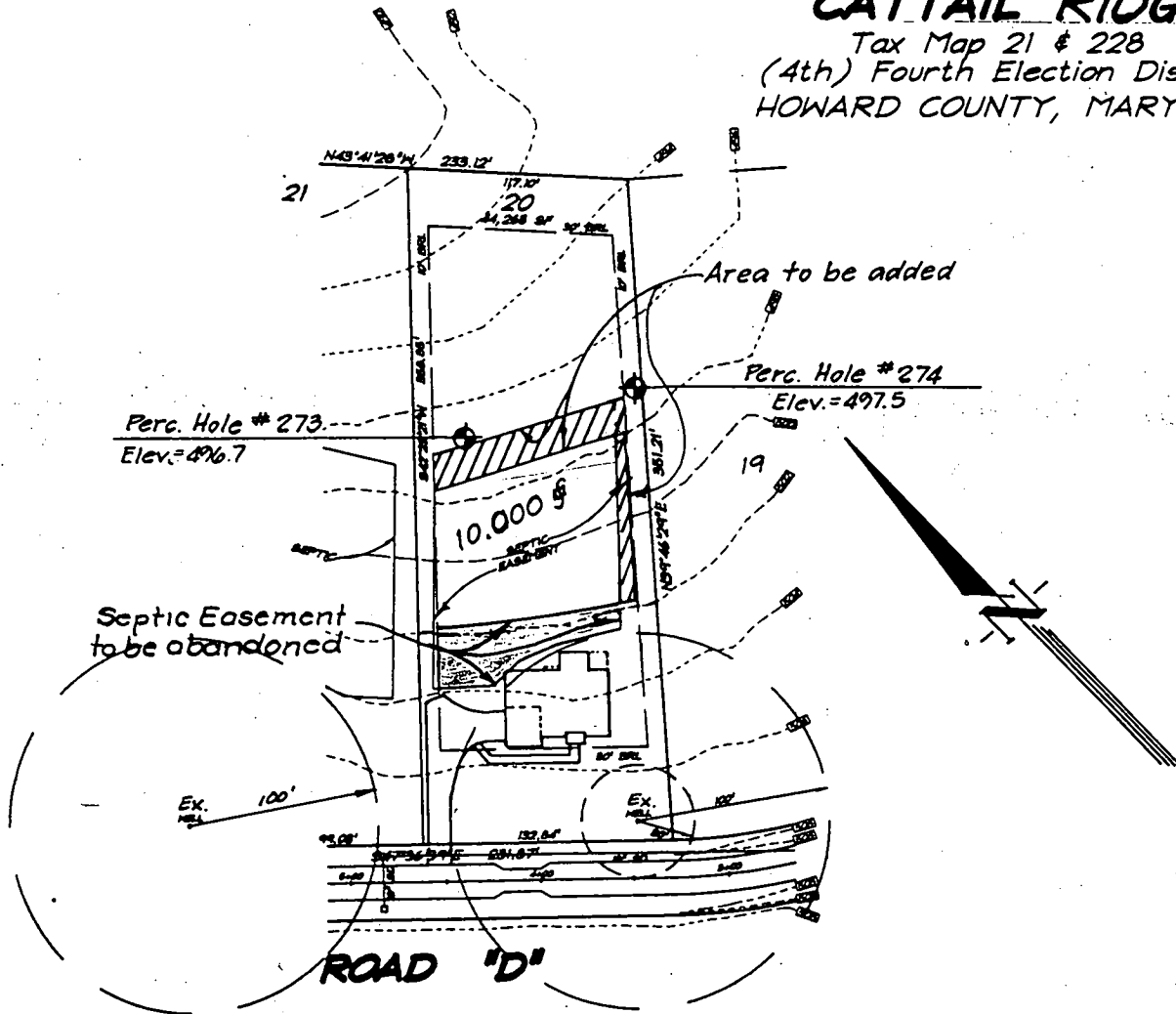
1500 Gal. Septic Tank
Inv. in = 499.4
Inv. out = 499.1

1500 Gal. Septic Tank
Inv. in = 499.8
Inv. out = 499.5

Provide 9' x 14' x 9" CMP Driveway
Culvert Per Ho. Co. Detail R.G.O.C

PERCOLATION CERTIFICATION
 PLAT NO. 4681
 LOT 20
CATTAIL RIDGE

Tax Map 21 & 228
 (4th) Fourth Election District
 HOWARD COUNTY, MARYLAND



////// This Area designates a private sewage reserve of 10,000 square feet as required by the Maryland State Department of the Environment for individual sewage disposal. Improvements of any nature in this area are restricted until public sewage is available. These easements shall become null and void upon connection to a public sewage system. The county Health Officer shall have the authority to grant variances for encroachments into the private sewage easement. Recordation of a modified sewage easement shall not be necessary.

The Lots shown hereon comply with the minimum ownership width and lot areas as required by the Maryland State Department of the Environment.

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

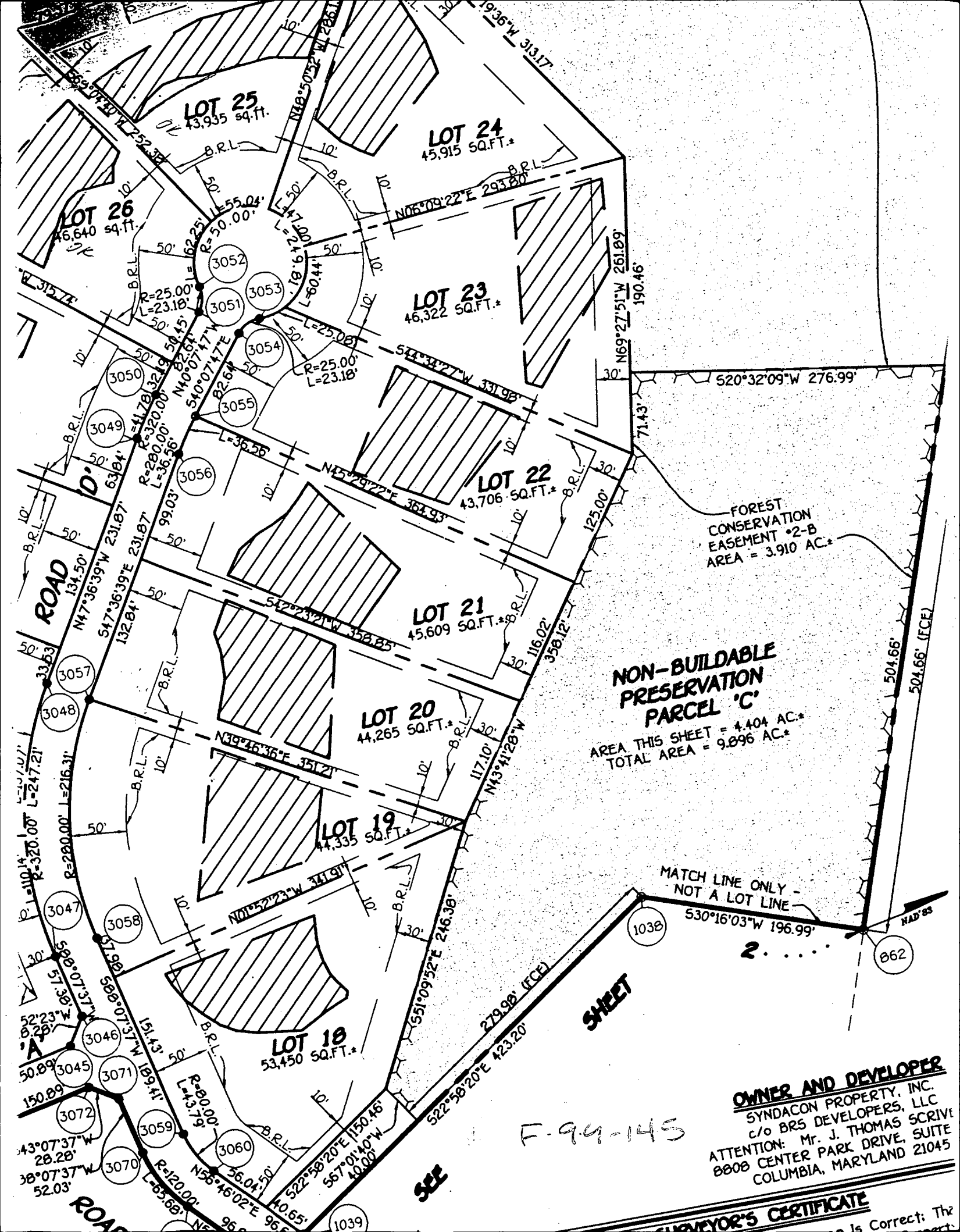
APPROVED: for Private Water and Private Sewage Systems.

One Water
 COUNTY HEALTH OFFICER *MR. ALAN* DATE *7/5/08*

FOR : WILLIAMSBURG BUILDERS
 6551 Walnut Grove
 Columbia, Maryland 21044

CLARK, FINEFROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS
 7135 MINSTREL WAY COLUMBIA, MARYLAND 21045
 TELEPHONE: BALT. (410)381-7500 • WASH. (301)621-8100

DRAWN BY: ZAH	DATE: 5-22-00	SCALE: 1"=100'
CHECKED BY: J.M.E.	JOB NO.: 99-049	FILE NO.: 99-049-L
DESIGNED BY: J.M.E.		



LOT 25
43,935 sq.ft.

LOT 24
45,915 SQ.FT.±

LOT 26
46,640 sq.ft.

LOT 23
46,322 SQ.FT.±

LOT 22
43,706 SQ.FT.±

LOT 21
45,609 SQ.FT.±

LOT 20
44,265 SQ.FT.±

LOT 19
44,335 SQ.FT.±

LOT 18
53,450 SQ.FT.±

FOREST
CONSERVATION
EASEMENT *2-B
AREA = 3.910 AC.±

**NON-BUILDABLE
PRESERVATION
PARCEL 'C'**

AREA THIS SHEET = 4.404 AC.±
TOTAL AREA = 9.896 AC.±

MATCH LINE ONLY -
NOT A LOT LINE
530°16'03"W 196.99'

OWNER AND DEVELOPER
SYNDACON PROPERTY, INC.
c/o BRS DEVELOPERS, LLC
ATTENTION: Mr. J. THOMAS SCRIVI
8808 CENTER PARK DRIVE, SUITE
COLUMBIA, MARYLAND 21045

F-99-145

SHEET

SURVEYOR'S CERTIFICATE

Is Correct: The

C11963

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. OK SRU 11/31/00
COUNTY
NUMBER A58993U

ST/CO USE ONLY.
DATE Received
MM DD YY
8 13

DATE WELL COMPLETED
MM DD YY
9-23-99
15 20

Depth of Well
22 225 26
(TO NEAREST FOOT)

PERMIT NO.
FROM "PERMIT TO DRILL WELL"
H0-94-2423
28 29 30 31 32 33 34 35 36 37

OWNER BRS Development
STREET OR RFD Windy Path Ct first name first name TOWN Glenwood
SUBDIVISION CatHaul Ridge SECTION LOT 20

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		check if water bearing
	FROM	TO	
Tan Sandstone	0	65	
Gray Granite	65	225	
	90		✓
	143		✓
	200		✓

GROUTING RECORD

WELL HAS BEEN GROUTED
(Circle Appropriate Box)

YES ☒ NO ☐

TYPE OF GROUTING MATERIAL (Circle one)

CEMENT ☒ BENTONITE CLAY ☐

NO. OF BAGS 18 NO. OF POUNDS 1672

GALLONS OF WATER 108 gals.

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

PLASTIC OTHER

MAIN CASING TYPE

Nominal diameter top (main) casing (nearest inch)

Total depth of main casing (nearest foot)

ST 06 70

OTHER CASING (if used)

diameter depth (feet)

inch from to

SCREEN RECORD

screen type or open hole

☒ ☐ ☐

STEEL BRASS OPEN HOLE

BRONZE PLASTIC OTHER

DEPTH (nearest ft.)

H0 70 225

C3

PUMPING TEST

HOURS PUMPED (nearest hour) 3

PUMPING RATE (gal. per min.) 5

METHOD USED TO MEASURE PUMPING RATE Water Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING 34' ft.

WHEN PUMPING 85' ft.

TYPE OF PUMP USED (for test)

☒ ☐ ☐ ☐ ☐ ☐ ☐ ☐

air piston turbine

centrifugal rotary other (describe below)

jet submersible

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

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 2 (nearest foot)

below 49 50 51

LAND SURFACE

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED ☒ YES ☐ NO

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. MD 355

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. MD 549

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

C2

DEPTH (nearest ft.)

H0 70 225

DIAMETER OF SCREEN (NEAREST INCH)

from to

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

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

T (E.R.O.S.) W Q

70 72 74 75 76

TELESCOPE CASING LOG INDICATOR OTHER DATA

LOCATION OF WELL ON LOT

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

15' 20'

Right Prop. Line

Front Prop. Line

B 1	14102	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER HO-94-2423 fill in this form completely
Date Received (ABA) 08-30-99 8 MM DD YY 13		OWNER INFORMATION CATTAIL OVERLOOK LLC 15 Last Name Owner First Name 34 8808 CENTRE PARK DR. SUITE 108 36 Street or RFD 55 COLUMBIA, MARYLAND 21045 57 Town 70 State 72 Zip 76		
DRILLER INFORMATION MICHAEL BARLOW MW D 355 Driller's Name 76 License No. 81 MICHAEL BARLOW WELL DRILLING INC Firm Name 912 FAUN CT. JOPPA MD 21085 Address Signature Date 8/18/99		LOCATION OF WELL HOWARD 8 COUNTY 21 CATTAIL RIDGE 23 SUBDIVISION 42 SECTION <u>44</u> <u>46</u> LOT <u>20</u> 48 50 ROXBURY 52 NEAREST TOWN 71 MILES FROM TOWN (enter 0 if in town) <u>2</u> M I 73 76 77 78		
WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) <u>5</u> 8 12 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) <u>500</u> 14 20		DIRECTION OF WELL FROM TOWN (CIRCLE BOX) ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NEAR WHAT ROAD <u>Windy Path Ct</u> 11 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) 34 <u>IS</u> 37 DISTANCE FROM ROAD <u>FT</u> ENTER FT OR MI 38 39 TAX MAP: _____ BLK: _____ PARCEL: _____		
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 Co A58993U COUNTY NAME COUNTY NO. STATE SIGNATURE _____ INSERT S → DATE ISSUED <u>090799</u> <u>Aym Miller</u> <u>090700</u> 43 MM DD YY 48 CO SIGNATURE EXP. DATE NORTH GRID <u>520</u> <u>000</u> EAST GRID <u>780</u> <u>000</u> 50 55 57 63		
APPROXIMATE DEPTH OF WELL <u>250</u> FEET 24 28 APPROXIMATE DIAMETER OF WELL <u>6"</u> NEAREST INCH		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 <u>780</u> N <u>520</u> 000 000		
METHOD OF DRILLING (circle one) BORED (or Augered) JETTED Jetted & DRIVEN AIR-ROTARY <u>AIR-PERCussion</u> ROTARY (Hydraulic Rotary) CABLE REVERSE-ROTARY Drive-POINT other _____		REPLACEMENT OR DEEPEINED WELLS (CIRCLE APPROPRIATE BOX) ☒ THIS WELL WILL NOT REPLACE AN EXISTING WELL ☐ THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED ☐ 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 DEEPEIN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE) _____ 41 52		
Not to be filled in by driller (MDE OR COUNTY USE ONLY)				
APPROX. PERMIT NUMBER <u>54</u> G A P <u>63</u> PERMIT No. HO-94-2423 70 71 72 73 74 75 76 77 78 79				
SPECIAL CONDITIONS NOTI. - 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.

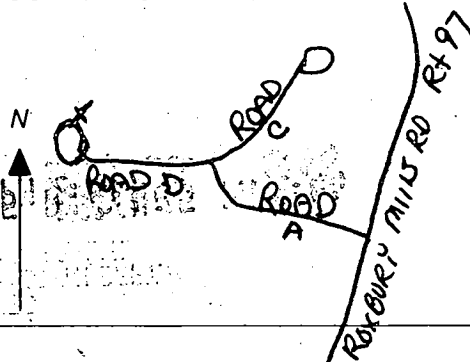
WRITE THE BOX NUMBER FROM THE MAP HERE

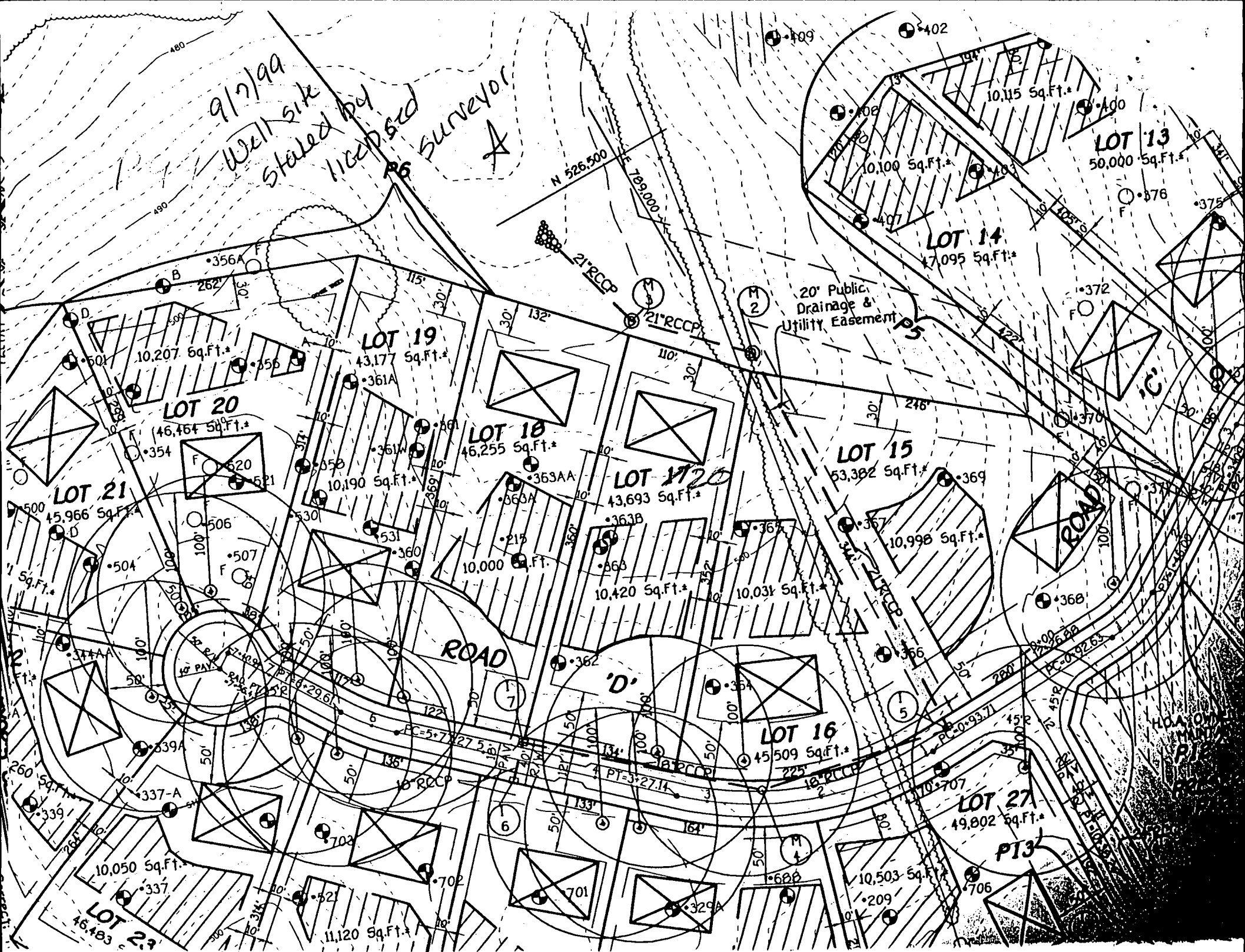
E 780
N 520

9/23/99 Mixed
grout (BB)

X

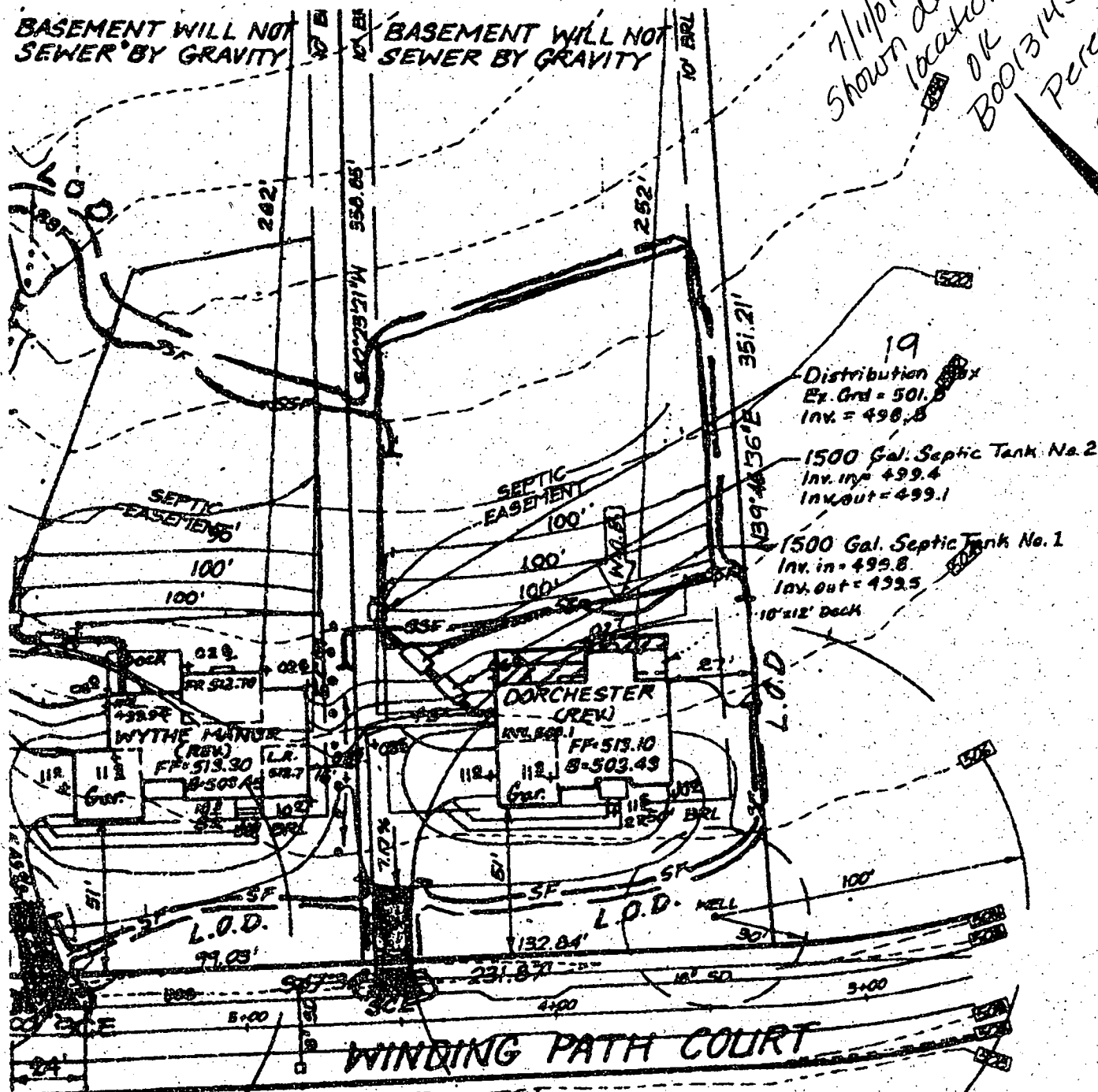
DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION





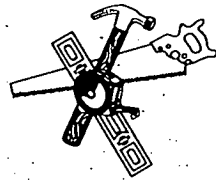
**'BASEMENT WILL NOT
SEWER BY GRAVITY**

7/11/01
Shown deck
location is
OK
Boo 13/14 34
Perego
JW



Provide 9' x 14" R9 CMP DIVERSITY
Culvert Per Ho. Co. Detail R6.06

X B5 M 7-30-00
X 1/2 B5 M 7-30-00



The Works

*Custom Built Decks
& Home Improvements*