

LAYOUT 2/2/04 INSP 4 _____
INSP 2 2/13/04 INSP 5 _____
INSP 3 _____ INSP 6 _____

ISSUE DATE: 1/12/04 **PERMIT** P 520025

APPROVAL DATE: 2/13/04 TAX ID # 05-436389 A 514292-D

RPS#
436389

ON-SITE SEWAGE DISPOSAL SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH

INDEXED

Fogles Septic Clean, Inc IS PERMITTED TO INSTALL ALTER
ADDRESS: 580 Obrecht Road PHONE NUMBER: 410-795-5670
SUBDIVISION: Pindell Chase LOT NUMBER: 4
ADDRESS: 11716 Pindell Chase Drive PROPERTY OWNER: Toll Md II
SEPTIC TANK CAPACITY (GALLONS): 1500 OUTLET BAFFLE FILTER REQUIRED
PUMP CHAMBER CAPACITY (GALLONS): N/A COMPARTMENTED TANK REQUIRED
NUMBER OF BEDROOMS: 5
SQUARE FEET PER BEDROOM: 210
LINEAR FEET OF TRENCH REQUIRED: 290 HOUSE SERVED BY PUBLIC WATER

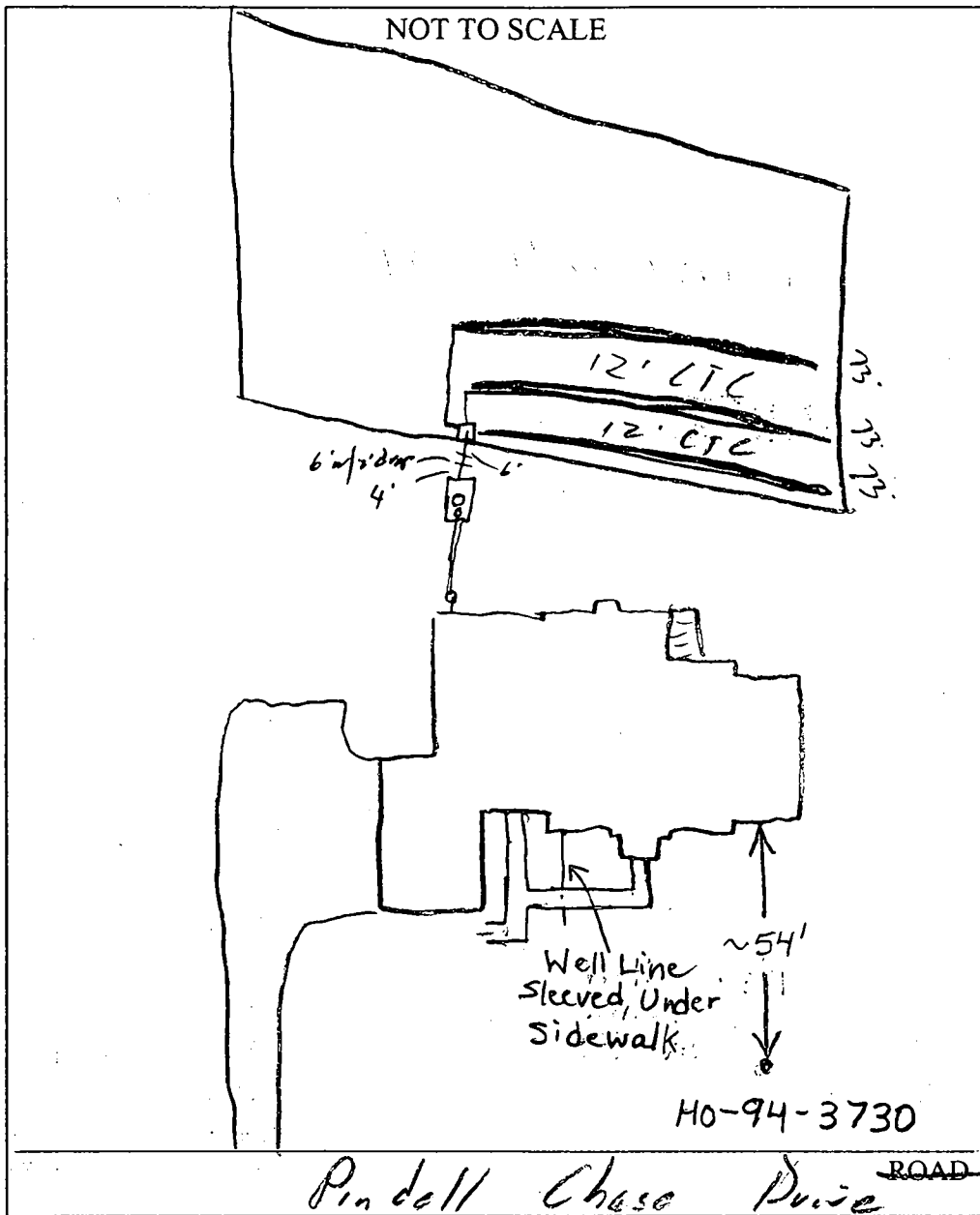
TRENCHES:	Trench to be 3.0 feet wide. Inlet 4.0 feet below original grade. Bottom maximum depth 6.0 feet below original grade. Effective area begins at 5.0 feet below original grade. 1.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box at the highest useable portion of the sewerage disposal area. <u>pull trenches 9' ETE</u>
NOTES:	Inverts shown cannot support basement service.

PLANS APPROVED: John A. Boris (KN) DATE: 10/27/03

NOTES: PERMIT VOID AFTER 2 YEARS
CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
WATERTIGHT SEPTIC TANKS REQUIRED
ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED
MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED
CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE REGULATIONS, GUIDELINES AND THE TERMS OF THIS 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 ALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

4514292-D



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	4'	6'
NUMBER OF TRENCHES _____		
TOTAL LENGTH _____		
ABSORPTION AREA _____		
DISTRIBUTION BOX LEVEL _____		
DISTRIBUTION BOX BAFFLE _____		
DISTRIBUTION BOX PORT _____		

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL _____	
CAPACITY	1500 GAL
SEAM LOC	Top
TANK LID DEPTH	1'
BAFFLES	✓
BAFFLE FILTER	_____
MANHOLE LOC	Center
6" PORT LOC	Front
WATERTIGHT TEST	_____
SEPTIC TANK 2 LEVEL _____	
CAPACITY	_____ GAL
SEAM LOC	_____
TANK LID DEPTH	_____
BAFFLES	_____
BAFFLE FILTER	_____
MANHOLE LOC	_____
6" PORT LOC	_____
WATERTIGHT TEST	_____

PRE-CONSTRUCTION 2/2/04 - SPA started, contain accurate, Install
(4) 58' trenches (SO)

INSTALLATION 2/13/04 - OK to cover all work (SO)

FINAL INSPECTOR [Signature] DATE OF APPROVAL 2/13/04



Howard County
Health Department

3525 H Ellicott Mills Drive, Ellicott City, MD 21043
(410) 313-1771 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

July 16, 2004

Toll MD II, LP
7164 Columbia Gateway Drive
Suite 230
Columbia, MD 21045

SENT VIA FACSIMILE 410-531-8472

RE: Pindell Chase, Lot # 4
11716 Pindell Chase Drive
Fulton, MD 20759
BP #: B00144464
Well Permit # HO-94-3730

Dear Sir or Madam:

This is to advise you that the septic system for the above referenced property has been installed and inspected. **Final approval of the septic system was granted on 02/13/04. Final approval of the well line connection to the dwelling was approved on 06/09/04.**

The water sample results indicate that the water samples submitted for testing were free of coliform and fecal coliform bacteria at the time of sampling and are bacteriologically safe for drinking. The water sample results were found to be in compliance with COMAR water quality standards.

INTERIM CERTIFICATE OF POTABILITY

This certifies that the initial sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under well permit #HO-94-3730. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies. Based upon satisfactory investigation and evaluation, the Howard County Health Department as authorized by the Maryland Department of the Environment accepts this well system as required by COMAR 26.04.04.

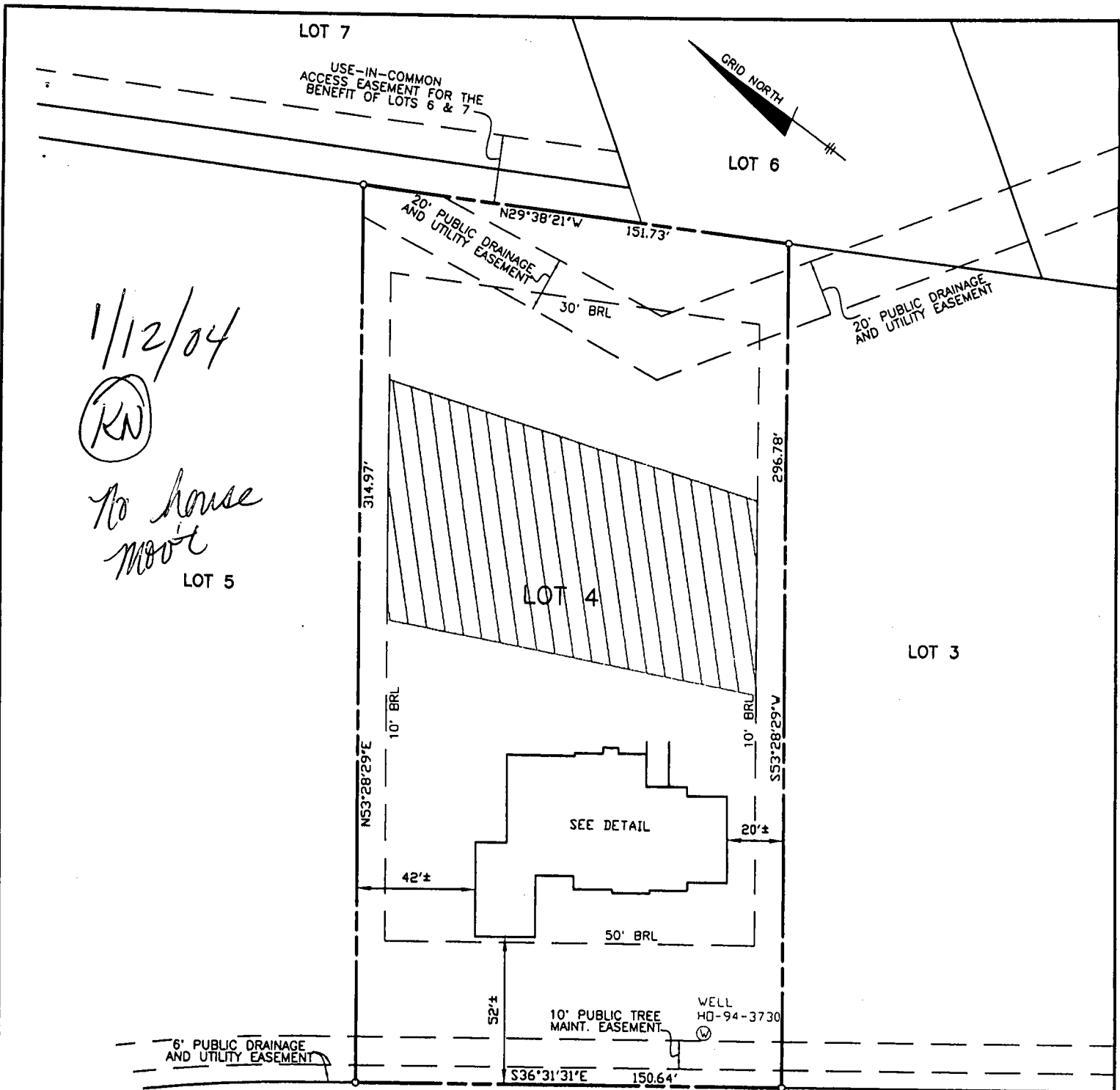
This certificate may become final upon completion of the second bacteriological test, which is to be taken by the county health department within six months of receipt of this letter. **Please contact (410) 313-1773 to schedule a final water sample appointment. Currently, there is no charge for this final sampling.**

Date of Water Samples: 7/15/2004
Date of Well Completion: 9/05/2003

Approving Authority,

Brian Baker
Brian Baker, R. S.
Well & Septic Program

cc: Building Inspector's Office
Community Health Services
File

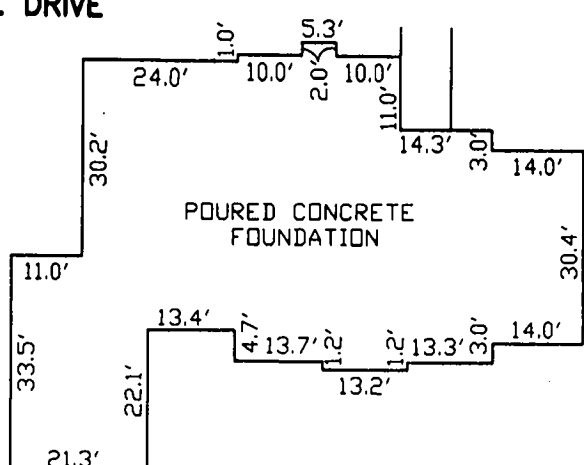


PINDELL CHASE DRIVE
(40' R/W)

TOP OF FOUNDATION WALL ELEVATION = 501.9'
OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 1'

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION AND BELIEF, THAT THE DIMENSIONS OF THE BUILDING WALLS SHOWN HEREON ARE CORRECT; THAT THEY ARE BASED ON A FIELD RUN SURVEY PERFORMED BY BENCHMARK ENGINEERING, INC. ON 12/02/03 ; AND THAT THE PROPERTY OUTLINE SHOWN HEREON IS BASED ON THE PLAT PREPARED BY FISHER, COLLINS & CARTER, INC. ENTITLED " PINDELL CHASE ", AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY AS PLAT No.16073



FOUNDATION DETAIL

SCALE: 1" = 30'
WALL CHECK

PINDELL CHASE
LOTS 1 THRU 24 AND
OPEN SPACE LOT 25 AND
NON-BUILDABLE PRESERVATION
PARCELS A THRU C

LOT No. 4

11716 PINDELL CHASE DRIVE

5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

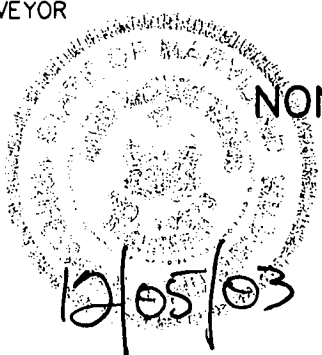
SCALE: 1" = 50' DATE: 12/02/03

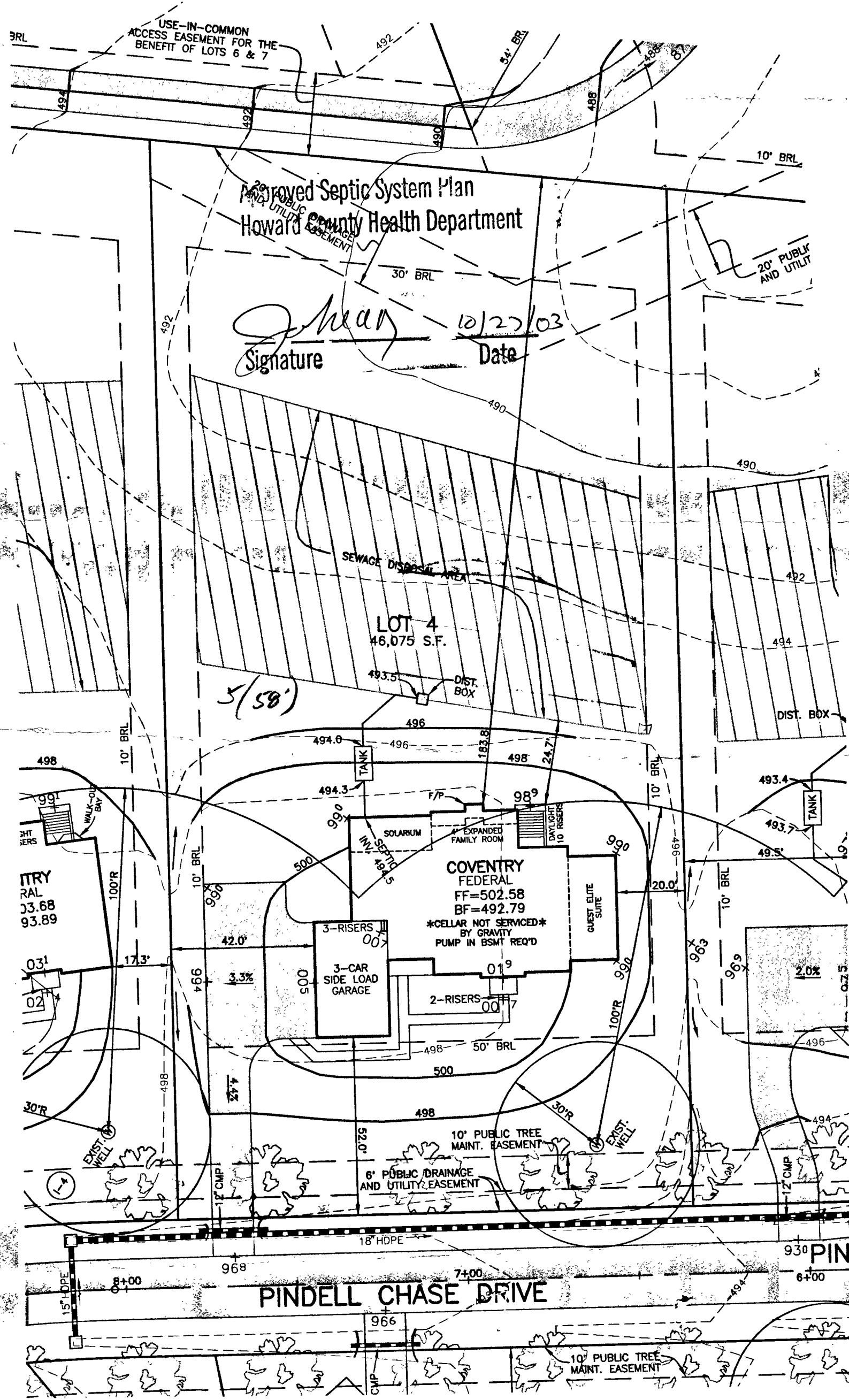
David M. Harris

DAVID M. HARRIS
REGISTERED PROFESSIONAL LAND SURVEYOR
MD REG. No. 10978
FOR BENCHMARK ENGINEERING, INC.
MD REG. No. 351
RECORD PLAT No. 16073
FEMA FIRM No. 240044 0038 B
ZONE: C
DATED: 12/04/86

BENCHMARK
ENGINEERS • LAND SURVEYORS • PLANNERS
ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE • SUITE 418
ELLCOTT CITY, MARYLAND 21043
phone: 410-485-8105 • fax: 410-485-8644
email: Benchmark@cais.com






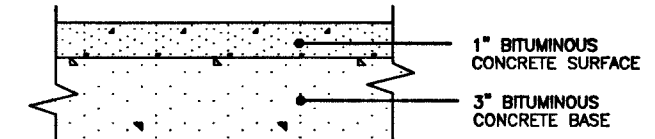
SEPTIC INFORMATION CHART

INV. OUT OF HOUSE	494.5
INV. IN TANK	494.3
INV. OUT TANK	494.0
TOP OF TANK	495.3
GROUND OVER TANK	498.0
INV. IN DIST. BOX	493.5
GROUND OVER BOX	495.5

PLAN
SCALE: 1" = 30'

NOTES:

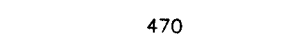
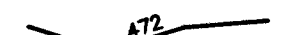

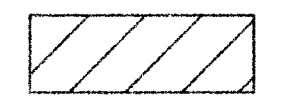



1. THE LOT SHOWN HEREON WAS RECORDED ON PLAT NUMBER 16073. REFER TO THIS PLAT FOR LOT DIMENSIONS, LOT AREAS, ALL EASEMENTS AND BUILDING RESTRICTIONS.
2.  THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA IS RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENT INTO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE NECESSARY.
3. SEDIMENT AND EROSION CONTROLS WERE APPROVED BY HOWARD SOIL CONSERVATION DISTRICT UNDER F-03-28 AND SHALL COMPLY WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
4. EXACT LENGTH OF SEPTIC TRENCHES ARE BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF PRECONSTRUCTION INSPECTION.
5. SPOIL FROM THE TRENCHING OF THE SEPTIC AREA IS TO BE PLACED ON THE UPHILL SIDE OF THE EXCAVATION FOR EACH INDIVIDUAL LOT.
6. STORMWATER MANAGEMENT FOR THIS LOT WAS PROVIDED UNDER F-03-28.
7. COMPUTATIONS FOR THE PROPOSED DRIVEWAY CULVERT WERE APPROVED UNDER F-03-28
8. THE EXISTING WELL (TAG NO. HO-94-3730) SHOWN ON THIS PLAN HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. ON 9-25-03 AND IS ACCURATELY SHOWN.



FULL DEPTH BIT. CONC. ALTERNATIVE

P-1 PAVING DETAIL
NOT TO SCALE

LEGEND

-  470 EXISTING CONTOURS AS SHOWN ON F-98-187
-  472 PROPOSED CONTOURS
-  EXISTING TREELINE
-  SEWAGE DISPOSAL AREA
-  EXIST. WELL
-  FIELD SURVEYED WELL LOCATION
-  STREET TREE INSTALLED UNDER F-03-28

<p align="center">BENCHMARK ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS</p> <p align="center">ENGINEERING, INC.</p> <p align="center">8480 BALTIMORE NATIONAL PIKE ▲ SUITE 418 ELLCOTT CITY, MARYLAND 21043 PHONE: 410-465-6105 FAX: 410-465-6644</p>	PROJECT: PINDELL CHASE LOT 4	
	LOCATION: 11716 PINDELL CHASE DRIVE TAX MAP 41, GRID 7,8,13,14 - PARCEL 59 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
<p>BUILDER: TOLL BROTHERS, INC. 7164 COLUMBIA GATEWAY DRIVE SUITE 230 COLUMBIA, MARYLAND 21046 410-872-9105</p>	TITLE: PLOT PLAN	
	HOUSE TYPE: COVENTRY	
	DATE: OCTOBER 3, 2003	PROJECT NO. 1638
SCALE: AS SHOWN	DRAWING 1 OF 1	

**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: Fogle Well Drilling Telephone #: 410-795-5620
Address: 580 Oberlin Rd
Sylesville, Md 21158

(Must circle one) Licensed Plumber **Licensed Well Driller** Licensed Well Pump Installer
License # and name of individual responsible for the field installation:
Name (Print): Allen Compton License # MSD 009

*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: Toll Brothers Telephone #: _____
Subdivision: Pondell Chase Lot #: 4 Well Tag #: HO-94-3030
Site Address: 11716 Pondell Chase Dr

Submersible Pump Data

Make: Grundfos
Model #: 55010422
Pump Capacity: 5 GPM
Well Yield: 2.4 GPM

Pitless Adapter

Make: Cornwell
Model #: N/A
Depth: 36 (36" min)
NSF 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

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 or Cable guards are required - Must circle one
Safety rope, if used, attached to inside of well casing with eye bolt: N/A

Piping to house

Type: 1" Black Plastic
PSI: 160 (160 psi min)
Depth of supply line: 42 (36" min)

House Connection

PVC sleeved to undisturbed soil at wall penetration: YES
Approximate length of sleeve: 5
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: Allen Compton date: 6-21-04

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

Date Insp. Requested: 6/9/04 Date Insp. Approved: 6/9/04 (BB)
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

IN COLS. 3-6 ON ALL CARDS) PLEASE TYPE

ST/CO USE ONLY DATE Received MM DO YY 8 13

DATE WELL COMPLETED MM DO YY 7 5 03

Depth of Well 22 300 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 110-44-3730

OWNER TOUL BROTHERS

STREET OR RFD 10011 Chase Drive TOWN COLUMBIA

SUBDIVISION INDIAN CHASE SECTION 4 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		check if water bearing
	FROM	TO	
Brown mica	0	75	
gray mica	75	95	
white	95	96	✓
Gray mica	96	450	
white	450	451	✓
Gray mica	451	500	

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) Y N

TYPE OF GROUTING MATERIAL (Circle one) CEMENT BENTONITE CLAY

NO. OF BAGS 39 NO. OF POUNDS 2026

GALLONS OF WATER 234

DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 78 ft. (enter 0 if from surface)

CASING RECORD

cases types insert appropriate code below

ST STEEL CO CONCRETE PL PLASTIC OT OTHER

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

ST 06 81

60 61 63 64 66 70

OTHER CASING (if used)

EACH CASING	diameter		depth (feet)	
	inch		from	to

SCREEN RECORD

screen type or open hole insert appropriate code below

ST STEEL BR BRASS HO OPEN HOLE PL PLASTIC OT OTHER

DEPTH (nearest ft.)

EACH CASING	1		2		3	
	8	9	11	15	17	21
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						
42						
43						
44						
45						
46						
47						
48						
49						
50						
51						
52						
53						
54						
55						
56						
57						
58						
59						
60						
61						
62						
63						
64						
65						
66						
67						
68						
69						
70						
71						
72						
73						
74						
75						
76						

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

TELESCOPE CASING LOG INDICATOR OTHER DATA

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

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

70 72 74 75 76

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 06

PUMPING RATE (gal. per min.) 2.4

METHOD USED TO MEASURE PUMPING RATE 1966

WATER LEVEL (distance from land surface)

BEFORE PUMPING 20 ft.

WHEN PUMPING 166 ft.

TYPE OF PUMP USED (for test)

A air P piston T turbine O other (describe below)

C centrifugal R rotary 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 29 29

CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35

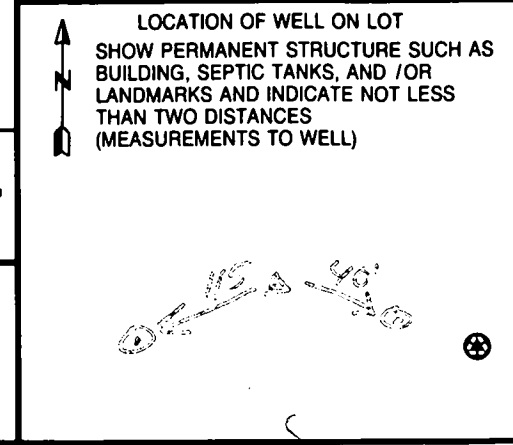
PUMP HORSE POWER 37 41

PUMP COLUMN LENGTH (nearest ft.) 43 47

CASING HEIGHT (circle appropriate box and enter casing height)

+ above } LAND SURFACE

- below } 02 (nearest foot)



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. 1 M 3 D 007

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1 D

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

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-3730
 Location of property (road) PINDELL CHASE DRIVE
 Subdivision PINDELL CHASE Lot 4 Block _____ Plat _____ Sec. _____
 Well Driller ALLEN COMPTON - FILLER Owner TOLL BROTHERS

Depth of well 500
 Distance of measuring point (M.P.) above ground 2'
 Static water level (S.W.L.) below M.P. 20'

I. High rate pumping -- reservoir drawdown

Time pump started 8:00 Pumping rate 20
 Total time 15 min to reach pumping water level 106 ft. below M.P.

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

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill #1 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
8:00	20	3		20
8:15	106	25		2.4
8:30	106	25		2.4
8:45	106	25		2.4
9:00	106	25		2.4
9:15	106	25		2.4
9:30	106	25		2.4
9:45	106	25		2.4
10:00	106	25		2.4
10:15	106	25		2.4
10:30	106	25		2.4
10:45	106	25		2.4
11:00	106	25		2.4
11:15	106	25		2.4
11:30	106	25		2.4
11:45	106	25		2.4
12:00	106	25		2.4
12:15	106	25		2.4
12:30	106	25		2.4
12:45	106	25		2.4
1:00	106	25		2.4
1:15	106	25		2.4
1:30	106	25		2.4
1:45	106	25		2.4
HD-224 1:00	106	25		2.4
2:15	106	25		2.4

11 40 AM Arrived & met Mr Compton. No visible gravel
around casing. Mr. Compton told me he was
sending someone back to get more gravel

1^{00 PM} Arrived at site. I was told that the gravel was
on the way.

2^{00 PM} Truck of Dave Fogle arrived & graveling began @ 2^{20 PM}
Eleven more bags were added to the 30 bags of portland
9/3/03 FA.

B 1 **6041**

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND
APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HO-94-3730
fill in this form completely

please type

Date Received (APA)

9/1/03

OWNER INFORMATION

Toll Brothers
15 Last Name Owner First Name 34
6830 Creekside Rd
36 Street or RFD 55
Clarksville, Md. 21029
57 Town 70 State 72 Zip 76

B 3

LOCATION OF WELL

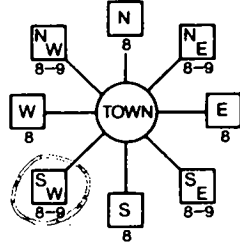
Howard
8 COUNTY 21
Pindell Chase
23 SUBDIVISION 42
SECTION **44** LOT **4**
44 46 48 50
Columbia
52 NEAREST TOWN 71
MILES FROM TOWN (enter 0 if in town) **5** M I
73 76 77 78

DRILLER INFORMATION

Allen Compton M SD 009
76 Driller's Name License No. 81
Eagles Well Drilling
Firm Name
580 Obrecht RD
Address
Allen Compton 6309
Signature Date

B 4

1 2
DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Pindell Chase Dr
11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



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

TAX MAP: **44** BLK: **14** PARCEL **59**

B 2

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) **5**
8 12
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **500**
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 COUNTY NAME
AS14292-1 COUNTY NO.
STATE SIGNATURE _____ INSERT S _____
DATE ISSUED **9/1/03** CO SIGNATURE **Mark Allen** EXP. DATE **7/31/04**
43 MM DD YY 48
NORTH GRID **480000** EAST GRID **822000**
50 55 57 63

APPROXIMATE DEPTH OF WELL **300** FEET
24 28

APPROXIMATE DIAMETER OF WELL **6** NEAREST INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN
AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary)
37 CABLE REVerse-ROTary Drive-POINT
other _____

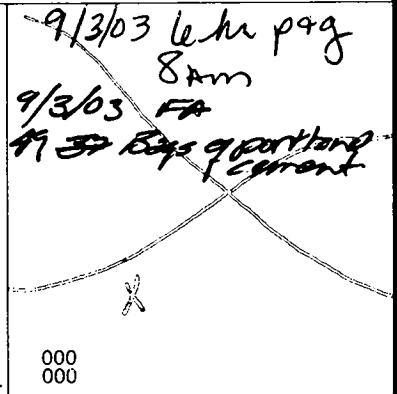
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

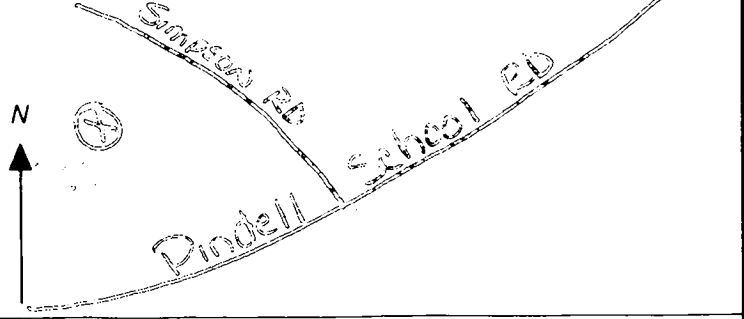
- 1. **well**
- 2.
- 3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E **200**
N **480**



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



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
- 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)

APPROP PERMIT NUMBER _____ G _____
PERMIT No. **HO-94-3730**
70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

Lot 7
56,805 SqFt

Lot 6
58,200 SqFt

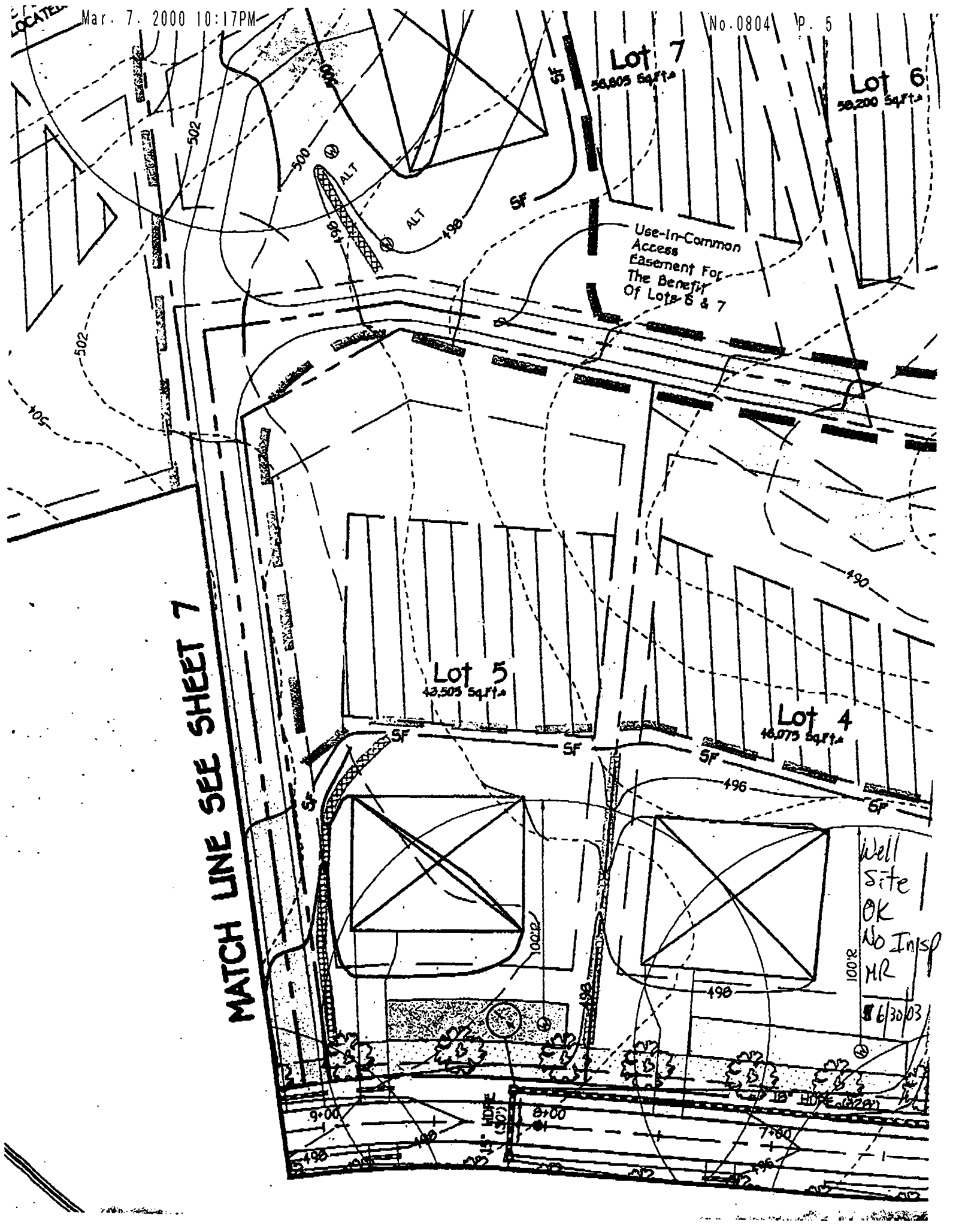
Use-In-Common
Access
Easement For
The Benefit
Of Lots 6 & 7

Lot 5
43,505 SqFt

Lot 4
46,075 SqFt

MATCH LINE SEE SHEET 7

Well
site
OK
No Insp
HR
6/30/03



APPLICATION

PERCOLATION TESTING

A 514292-D

P _____

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

DISTRICT 5th

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 MAPLE LAWN FARMS, INC. c/o MR. GENE IAGER

ADDRESS 11920 ROUTE 216, FULTON, MD. 20759 PHONE (301) 674-6327

AGENT OR PROSPECTIVE BUYER (SAME)

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION IAGER MANOR LOT NO. 34

ROAD AND DESCRIPTION SOUTHWEST CORNER OF INTERSECTION OF SIMPSON ROAD

AT PINDELL SCHOOL ROAD

TAX MAP 41 PARCEL # 59

SIZE OF LOT 1.0 AC ± CLUSTER 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.

Gene Iager
(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 #

LOT No. _____

SOIL PROFILE
810 809

SOIL PROFILE

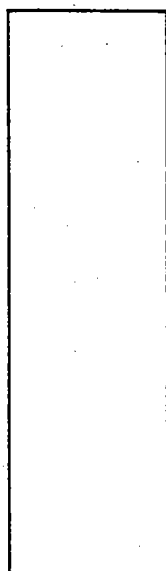
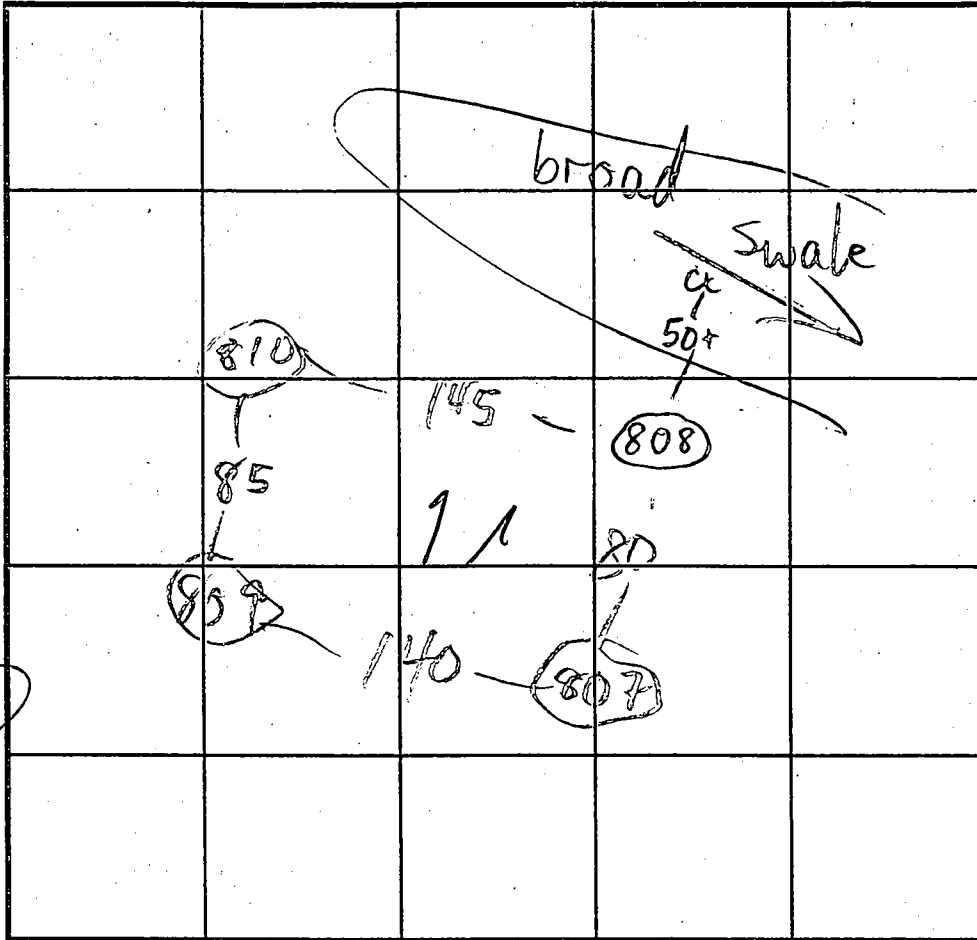
0' orge cl
 3' tan brn sa mica lm
 5-10%

14 1/2' (807) (808)

red brn cl lm

5' tan brn red si lm
 5-15% frags

13



Pindell School Road

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE. PROP. ROAD

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
12/18/00	810 S	3'10"	1:35	1:36	1:36	1:38	2	
	810 V	14	OK see profile					
	809 S	5	1:38	1:53	1:53	2:18	25	
	809 V	14 1/2	OK see profile					
	807 S	4 9/10	12:23	12:25	12:25	12:30	5	
	807 V	13	OK 40% frags below 11 1/2"					
	808 V	13	NO H ₂ O, BUT WET SEASON CONFIRMATION REQ'D					

REMARKS HOLES PER PLAN; WET SEASON CONFIRMATION OF TYPE OF SOIL 808 MAY BE REQ'D BASED ON ADJACENT RESULTS

TESTED BY M. Ritkin ALSO PRESENT Fryck crew

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

COUNTY #

SOIL PROFILE

0' 804

beigh
silm

4.0

lgt
orange
silm
w/
feldspar

8.5

dr & grey
mottled
silm
feldspar
10%
water

14.0

806

brn
clm



5.0

caving
⊙

7.5

11.0 water

808

red brn
silm



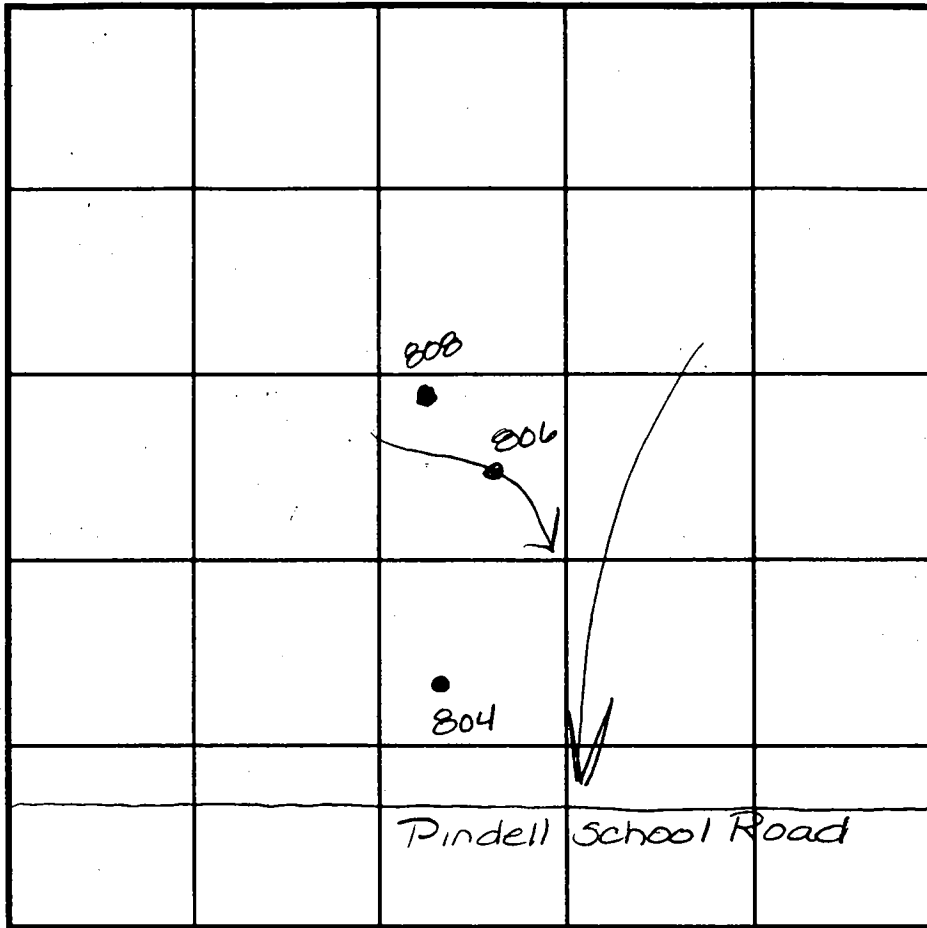
4.0

beigh
to
red
silm

micaceous
no
distinct
H₂O level

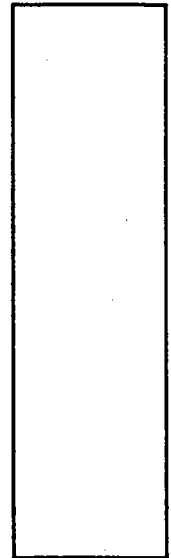
13.5

water



SOIL PROFILE

0'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5-23-01	804	Visual	to 14.0 - see profile		—		OK
	806	Deep clay, insufficient depth to H ₂ O					F
	808	Visual	to 13.5 - see profile		—		OK

REMARKS An additional 4.0' buffer required due to drought conditions

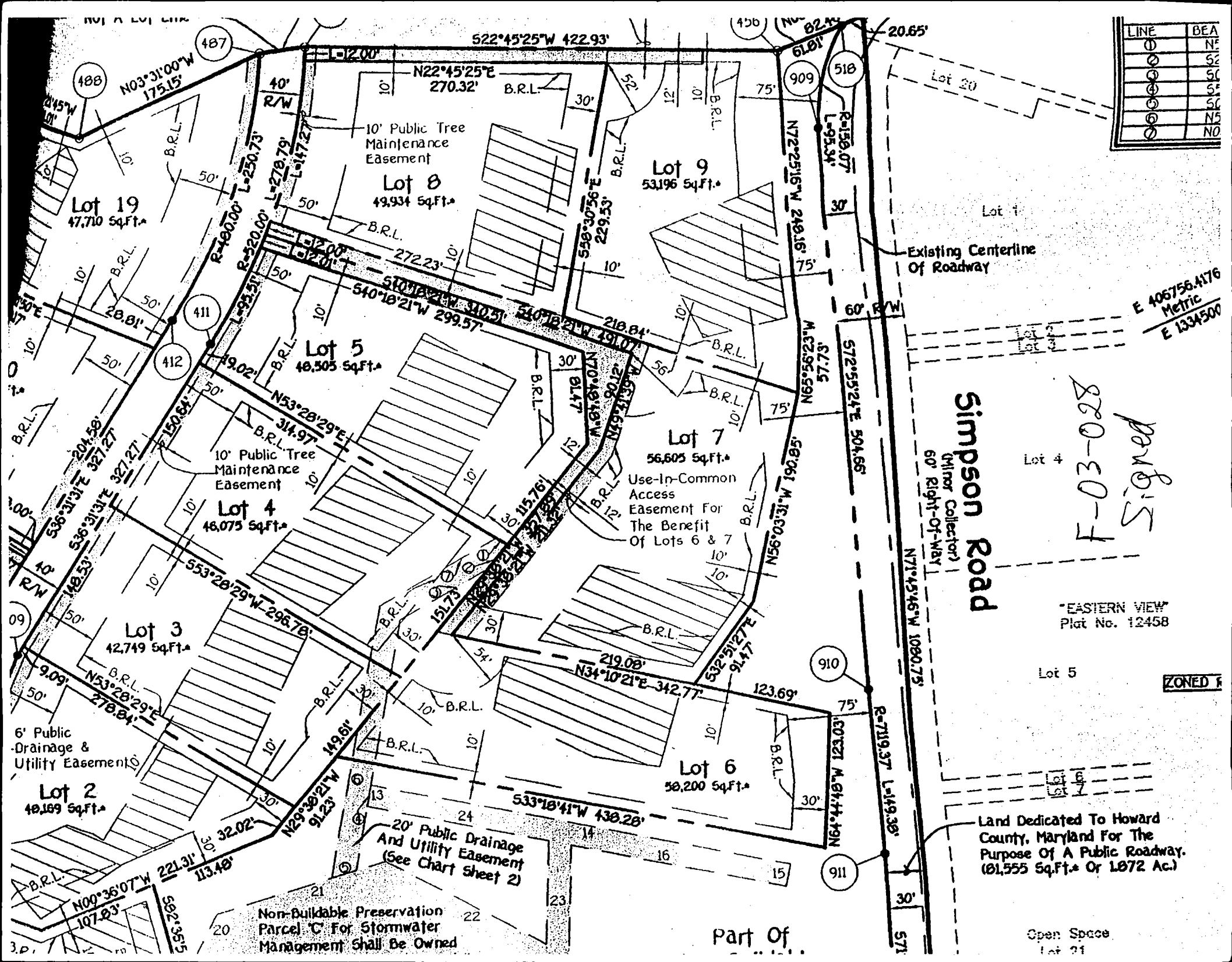
TYPE OF SOIL _____

TESTED BY Amy McMillen ALSO PRESENT Chuck Crovo

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

LINE	BEA
1	NE
2	S2
3	SE
4	S2
5	SE
6	N5
7	NO



488

487

Lot 19
47,710 Sq.Ft.

Lot 8
49,934 Sq.Ft.

Lot 9
53,196 Sq.Ft.

Lot 5
48,305 Sq.Ft.

Lot 4
46,075 Sq.Ft.

Lot 7
56,605 Sq.Ft.

Lot 3
42,749 Sq.Ft.

Lot 2
48,189 Sq.Ft.

Lot 6
50,200 Sq.Ft.

Simpson Road
(Minor Collector)
60' Right-Of-Way

F-03-028
Signed

"EASTERN VIEW"
Plat No. 12458

ZONED F

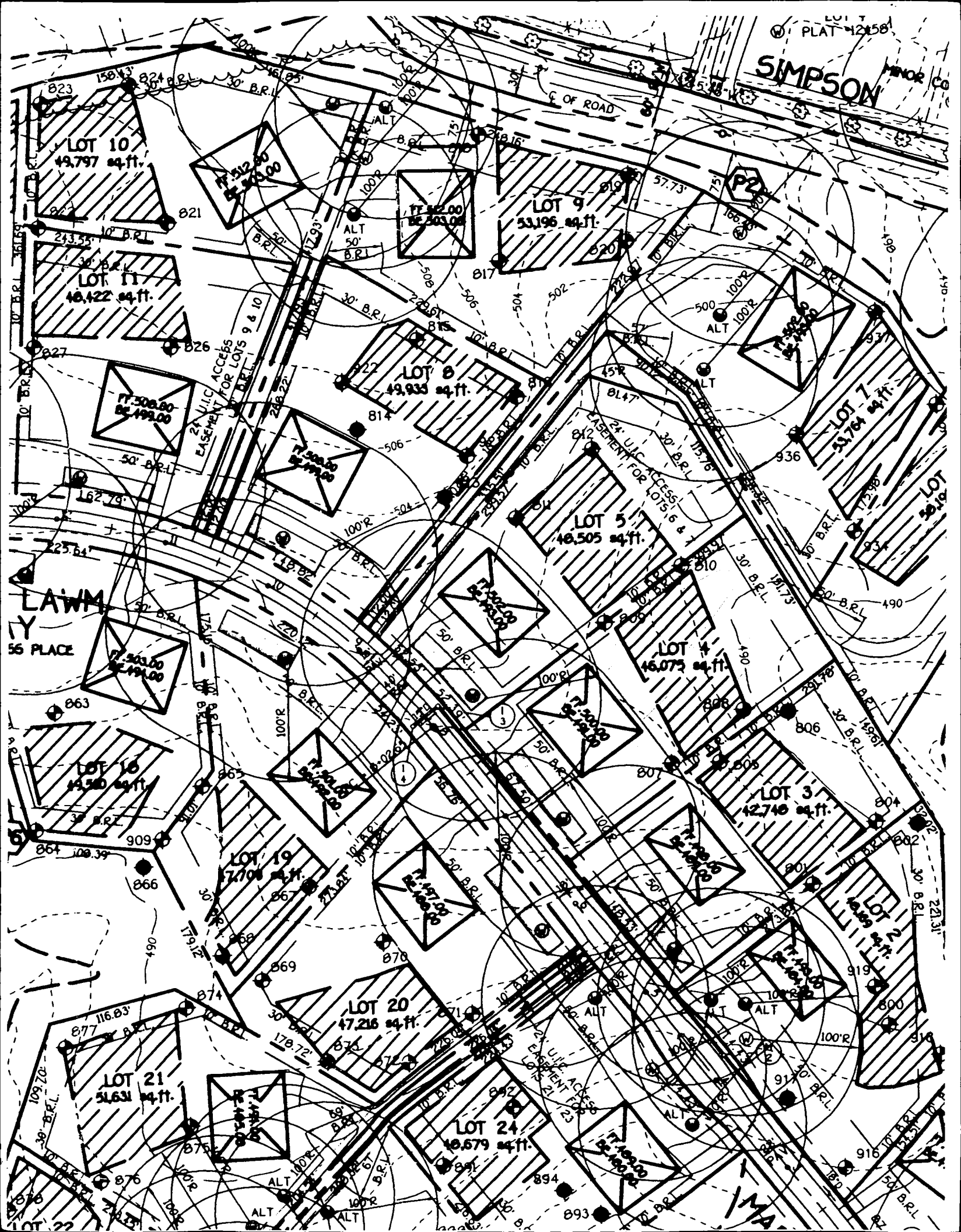
Land Dedicated To Howard
County, Maryland For The
Purpose Of A Public Roadway.
(81,555 Sq.Ft. Or 1.872 Ac.)

Non-Buildable Preservation
Parcel 'C' For Stormwater
Management Shall Be Owned

Part Of

Open Space
Lot 21

SIMPSON



LOT 10
49,797 sq. ft.

LOT 11
46,422 sq. ft.

LOT 9
53,196 sq. ft.

LOT 8
49,935 sq. ft.

LOT 5
48,505 sq. ft.

LOT 4
16,073 sq. ft.

LOT 7
33,764 sq. ft.

LOT 3
42,746 sq. ft.

LOT 19
47,709 sq. ft.

LOT 20
47,216 sq. ft.

LOT 21
51,631 sq. ft.

LOT 24
49,679 sq. ft.

LAWM PLACE

SIMPSON