5/3/00 PM

PERMIT

03-318184

P 513555

SEWAGE DISPOSAL SYSTEM

A 39496

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

DISTRICT

DATE 4/21/2000

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
~~XXXXXXXX~~ 410-313-2640

INDEXED

DATE SYSTEM APPROVED 5/3/00

INSPECTOR BB

William H. Smith Jr. IS PERMITTED TO INSTALL X ALTER

ADDRESS P.O. Box 330, Forest Hill, MD 21050 PHONE 410-879-~~6541~~ 7641

SUBDIVISION Oakwood at Woodmark LOT 8 ROAD 12475 Triadelphia Road

PROPERTY OWNER Spiegel

ADDRESS

TOP SEAMED TANK REQUIRED

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

TRENCHES - Trench to be 3 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 5.0 feet below original grade. Effective area begins at 3.0 feet below original grade. 2.0 feet of stone below distribution pipe.

LOCATION - Beginning from the intersection of the 325.67' and 225.00' lot lines, begin trenches 100 feet down the 225.00' lot line and 160 feet off that same lot line. Run trenches on contour toward the 325.67' 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 12/1/99 SRH

PLANS APROVED BY Amy McMillen DATE 11-08-1999

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.

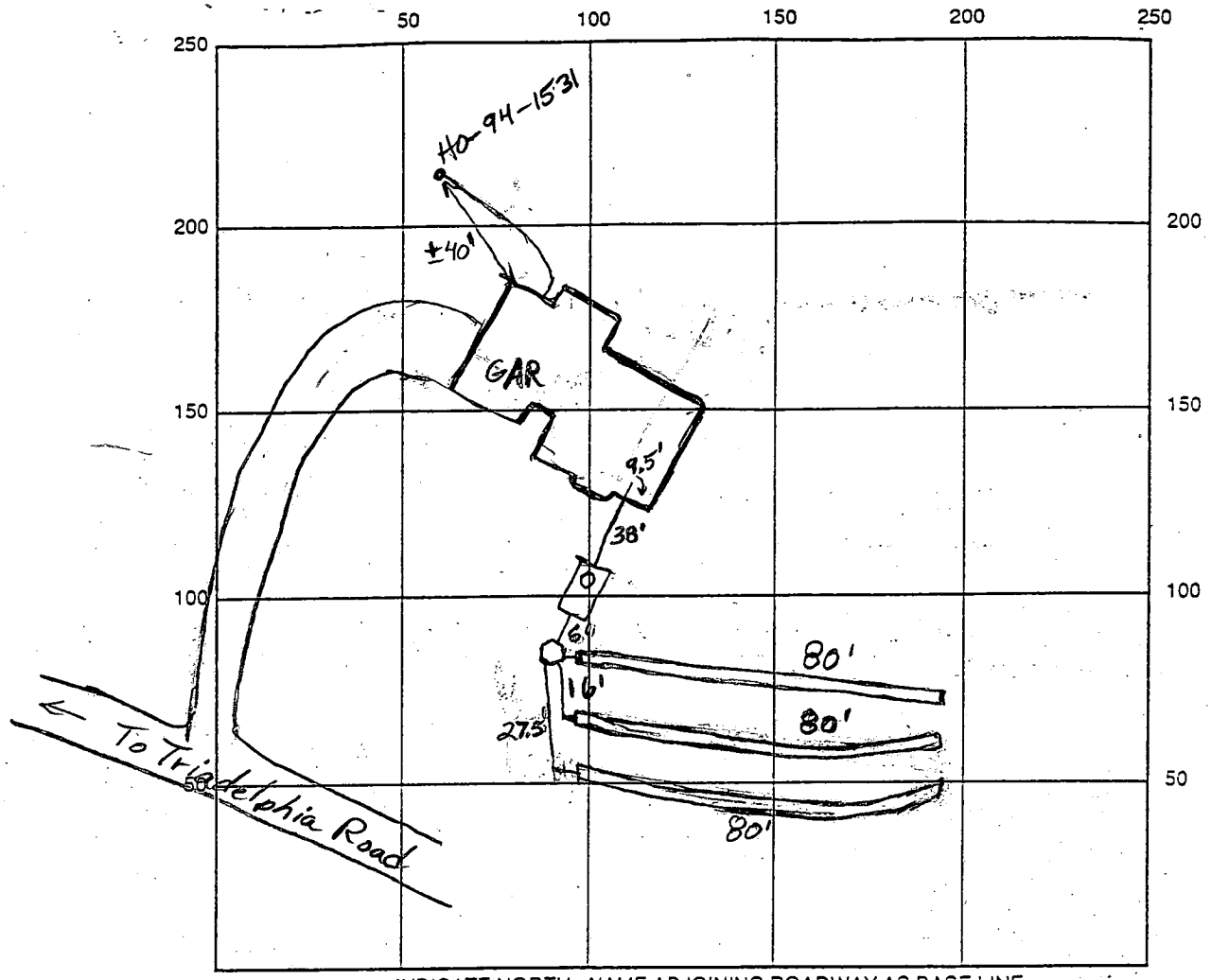
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

HD-260(6-90)

A 39496



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 1500 gal Top-Seamed CLEANOUTS 1-8" Tank

DISTRIBUTION BOX LEVEL O.K.

DRAIN FIELD/TITLE DEPTH 5.0 FT. TRENCH WIDTH 3.0 FT. INLET DEPTH 3.0 FT.

EFFECTIVE GRAVEL DEPTH 2.0 FT. TOTAL LENGTH 3x80' FT. (240' Total)

NUMBER OF TRENCHES 3 ~~SIDEWALL~~/BOTTOM AREA 720 SQ. FT.

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

ABSORBENT AREA ✓ SQ. FT.

REMARKS: 5/3/00 House connection made. Contractor wasted some easement area, first two trenches installed. Will keep second and third trenches 10'-12' center to center. Trenches installed within staked septic corner area. (BB) 5/3/00 Everything satisfactory. O.K. to cover. Meat wrapping paper used in trenches as gravel cover? (BB)

DATE SYSTEM APPROVED 5/3/00 INSPECTOR B. Baker

Att Mark FAX 313-2648

5/3/00 PM

HOWARD COUNTY HEALTH DEPARTMENT
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Ellicott City, MD 21043
461-9933

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation X
Replacement ____

William H. Smith, Jr.
P. O. Box 330
Forest Hill, MD 21050

Receipt # ____
Date 6-23-00

Name of Installer ____ Telephone 410-879-7641

License Number PI58
Certified Well Pump Installer X Well Driller ____ Registered Plumber ____

Name of Property Owner ERIC SPIEGEL Telephone ____
Subdivision OAKWOOD AT WOODMARK Lot # 8 Well Tag # HO-94-1531
Site Address 12475 PHILADELPHIA RD.

Pump
1. Type
   a. Deep well jet ____
   b. Shallow well jet ____
   c. Submersible X
2. Make STA-RITE
3. Model # SP4002SJ
4. Capacity 7 GPM
5. Pump exceeds well capacity Yes X No ____
6. If Yes, is low pressure cutoff switch installed? Yes ____ No X
7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors X Cable guards X Other ____

Motor
1. Horsepower 3/4
2. RPM ____
3. Voltage 2
   a. 110 ____
   b. (220) ____

Pitless Adapter
1. Make ____
2. Model # ____
3. Depth ____

Tank
1. Capacity 120 gal
2. Pressure relief valve? YES

Piping
1. Type ____
2. Size 1"
3. NSF and/or BOCA Code approved ____
4. Depth of supply line 260

Well data
1. Depth 280 ft.
2. Yield 15 GPM
3. Static water level 36' ft.
4. Will water supply be disinfected by installer? ____

I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

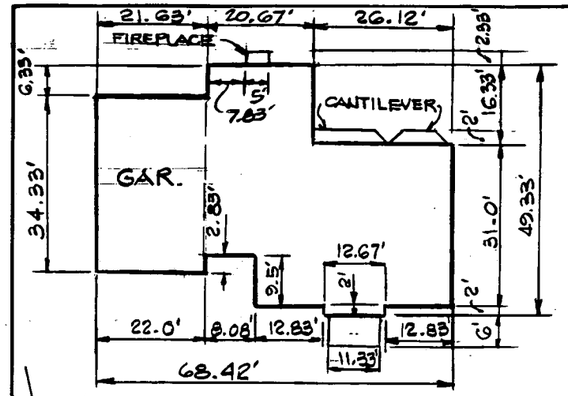
All information given above is true to the best of my knowledge.

5/3/00 - WPI on (BB) SRM Signature of Applicant: William H. Smith Jr.

Date: 6-24-2000

Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.

HD-215



FOUNDATION PLAN
SCALE: 1" = 40'

Approved Septic System Plan
Howard County Health Department

Signature _____ Date 6/5/99

Number linear feet of trench required 240 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

PLAN
SCALE: 1" = 50'

OWNERS
ERIC L. SPIEGEL
JENNIFER A. SPIEGEL
532 COUNTRY RIDGE CIRCLE
BELAIR, MD. 21015

1. GRADING AROUND HOUSE MAY VARY DUE TO FIELD CONDITIONS.
2. NO CONSTRUCTION REFUSE SHALL BE STOCKPILED OR EXCESS MATERIAL BURIED IN SEPTIC AREA.
3. EXCAVATED MATERIAL SHALL BE FILED ON HIGH SIDE OF TRENCH WHEN INSTALLING SEPTIC SYSTEM.
4. EXISTING GRADES TAKEN FROM HOWARD CO. 200 SCALE TOPOGRAPHICAL MAP
5. INSTALL SEDIMENT CONTROL MEASURES AS REQUIRED BY SITE INSPECTOR.
6. DISTURBED AREA = 19,600 S.F.

GEORGE WILLIAM STEPHENS, JR. AND ASSOCIATES, INC.
CIVIL ENGINEERS & LAND SURVEYORS
1020 CROMWELL BRIDGE ROAD
TOWSON, MARYLAND 21286-3336
(410) 828-6120

REGISTERED PROFESSIONAL ENGINEER 14328 STATE OF MARYLAND

SITE PLAN

OAKWOOD AT WOODMARK
LOT 8

12275 CARROLL MILL ROAD
HOWARD COUNTY, MD. 21042
SCALE: AS SHOWN OCT. 11, 1999

P.N. 3346

APPLICATION

A 39496

PERCOLATION TESTING

P

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

DISTRICT 6

DATE 6/22/87

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 John F & Mary K Brinker Spiegel

ADDRESS 12275 Carroll Mill Rd. Ellicott City, Md. 21043

PHONE 988-7513 Office 788-5353

PROSPECTIVE BUYER None

ADDRESS

PHONE

PROPERTY LOCATION:

SUBDIVISION Woodmark LOT NO. Resubdivision Lot C

ROAD AND DESCRIPTION 12475 Philadelphia Rd & Carroll Mill Rd.

Resubdivision of Lot 4

SIGN PERMIT SIGNED AND RETURNED 11-8-99

TAX MAP PARCEL # Lot 4 Block 9 Zone MXD

SIZE OF LOT Approx 5 A. TYPE BLDG. (SINGLE FAMILY DWELLING OR COMMERCIAL)

SFD - 4 Bdrm

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

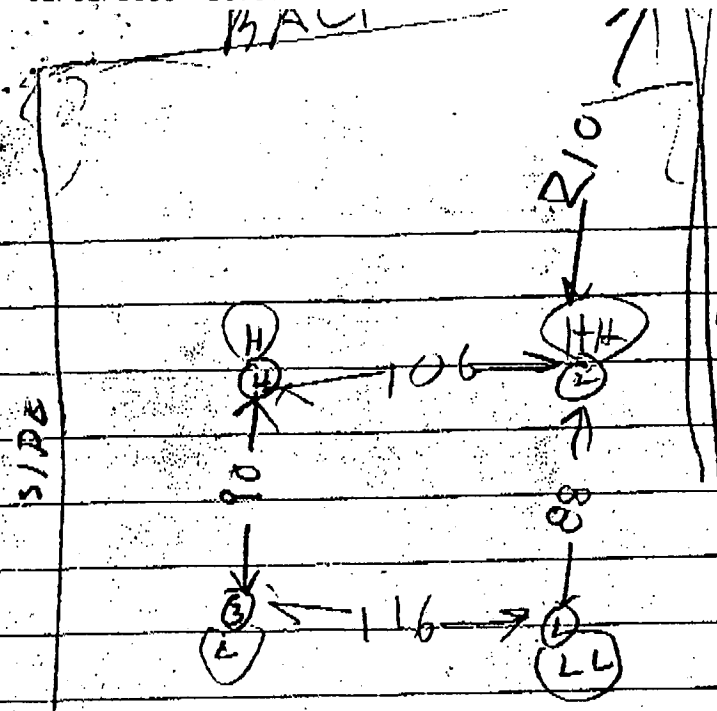
REJECTED BY FOR DATE

HOLD PENDING FURTHER TESTS DATE

REASONS FOR REJECTION OR HOLDING

THIS IS NOT A PERMIT

PROPERTY
LOT C
A39496



BROWN CLAY
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			2S	3	326	328	329	330	2	
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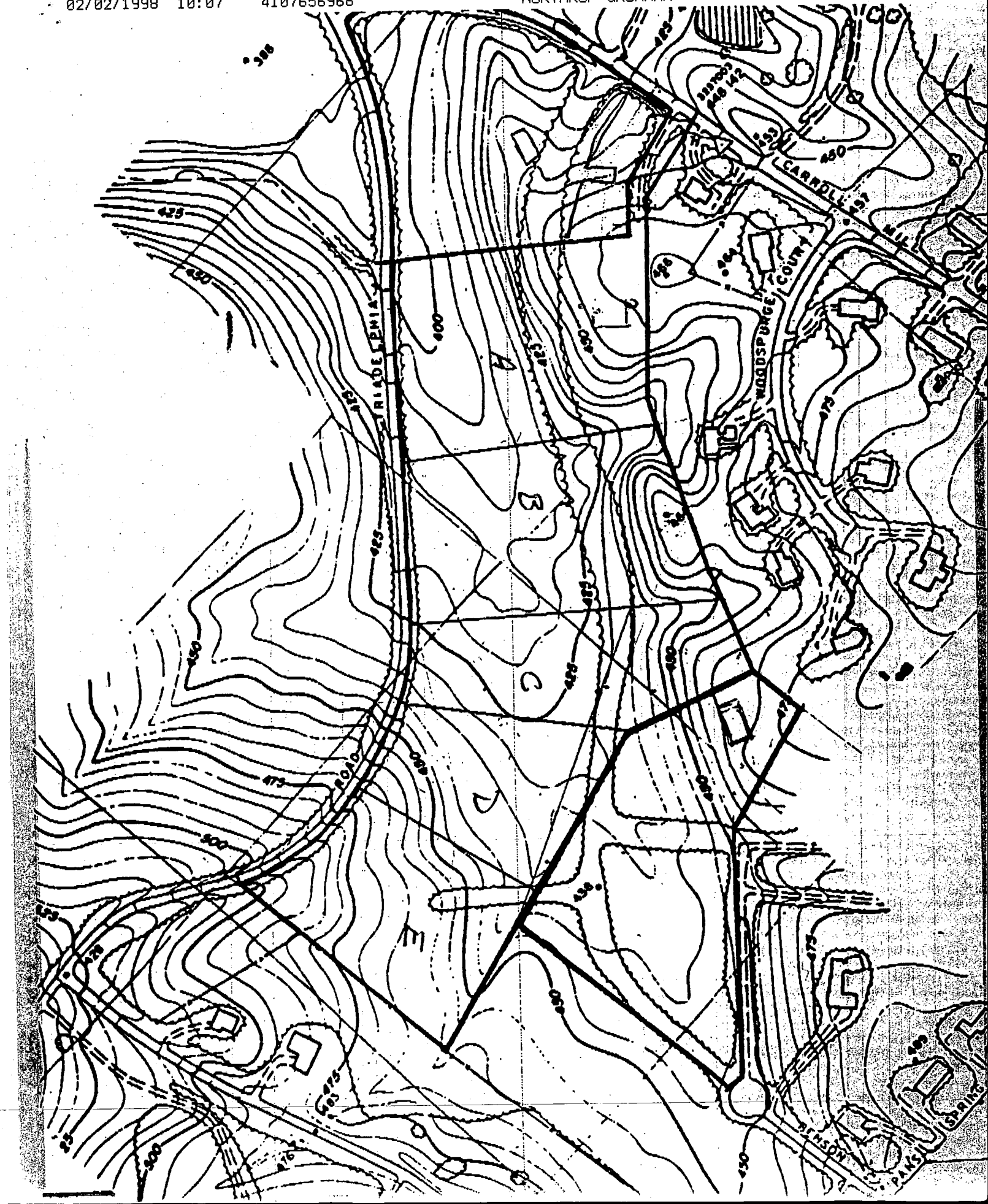
			3S	3	337	338	338	339	1	
			3V	11.5	OK					
			4V	12	OK					

Tested By B. Hodges
Witnessed R Bennett
D Feagan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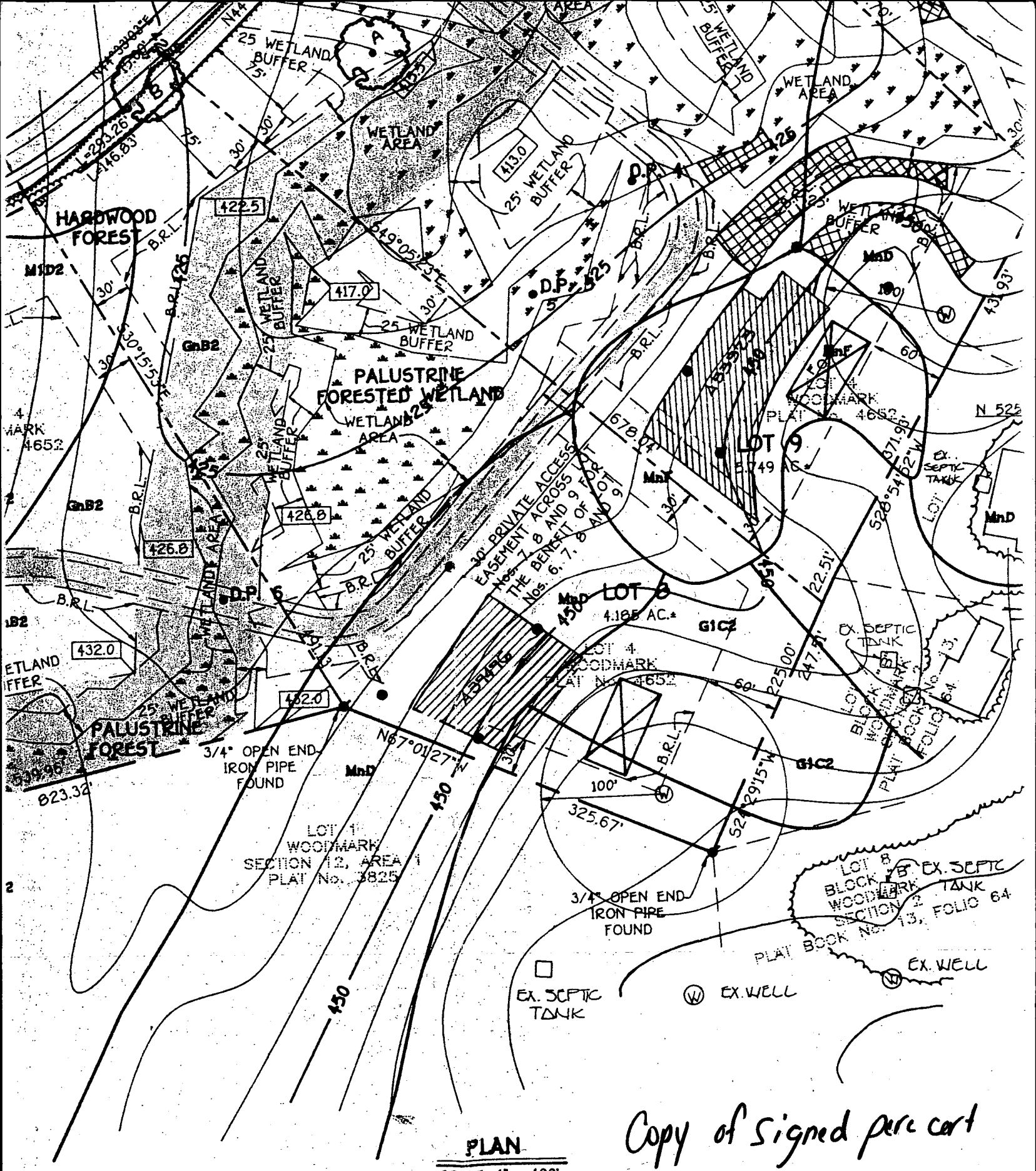
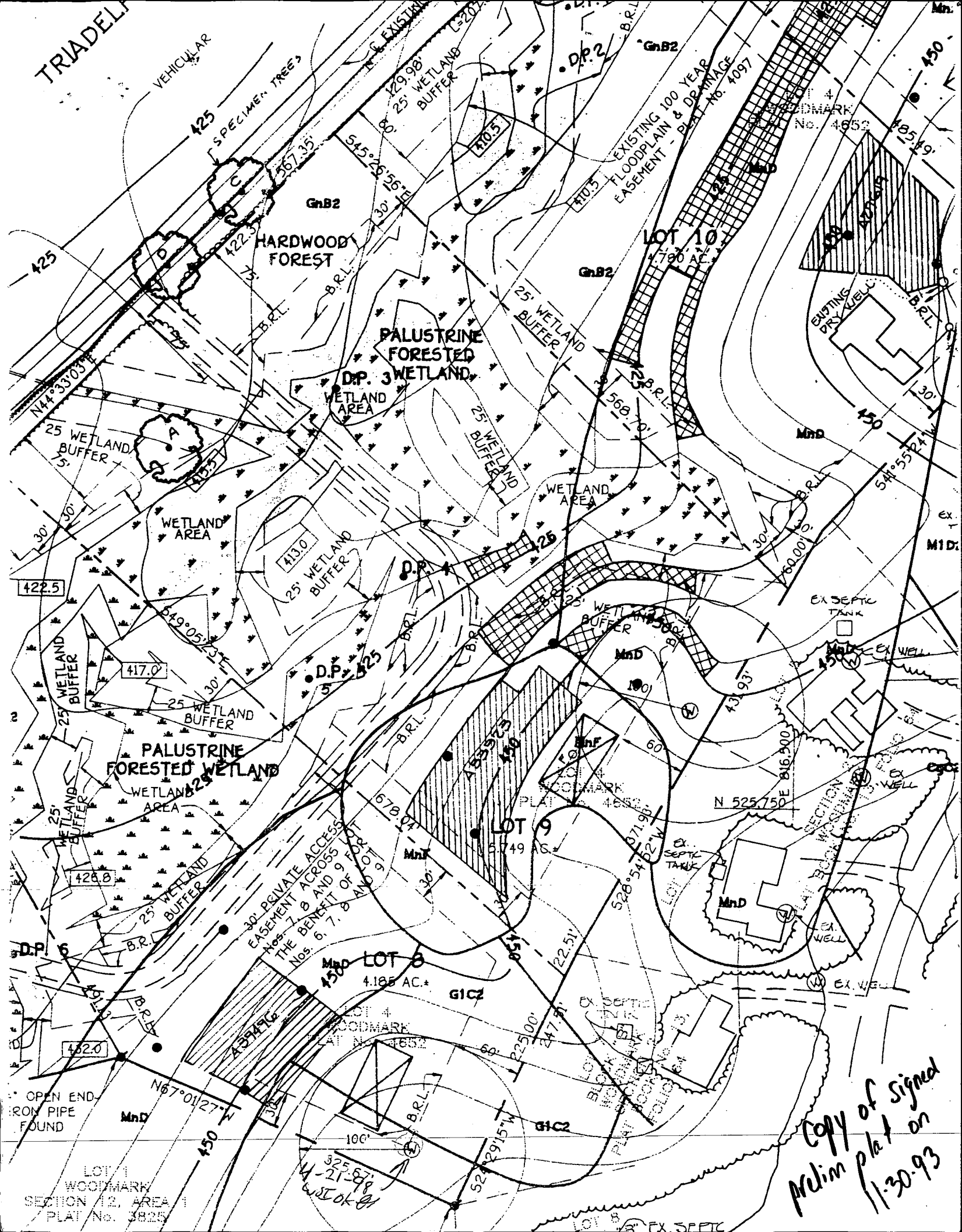


Copy of signed perc cart

9/3/92


TRIADELP
VEHICULAR
SPECIMEN TREES
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EXISTING
L=20?
129.98'
25' WETLAND BUFFER
D.P. 2
GnB2
EXISTING 100 YEAR FLOODPLAIN & DRAINAGE EASEMENT - PLAT No. 4097
LOT 4
WOODMARK
PLAT No. 4652
485.49'
MnD
450
410.5
545°26'56"E
367.35'
C
D
422.5
HARDWOOD FOREST
30'
B.R.L.
LOT 10
4.780 AC.±
EXISTING DRY WELL
N44°33'03"E
25' WETLAND BUFFER
PALUSTRINE FORESTED WETLAND
D.P. 3
WETLAND AREA
A
415.5
568.10'
541°55'24"W
WETLAND AREA
413.0
D.P. 4
422.5
649°05'25"E
417.0'
EX SEPTIC TANK
EX WELL
M1D
60.00'
431.93'
WETLAND BUFFER
PALUSTRINE FORESTED WETLAND
WETLAND AREA
BnF
LOT 9
6.749 AC.±
678.10'
N 525,750E 816,900
EX. SEPTIC TANK
528°54'02"W
471.98'
426.8
30' PRIVATE ACCESS EASEMENT ACROSS LOT Nos. 7, 8 AND 9 FOR THE BENEFIT OF LOT Nos. 6, 7, 8 AND 9
D.P. 6
LOT 8
4.185 AC.±
G1C2
22.51'
EX. SEPTIC TANK
402.0
N67°01'27"W
OPEN END IRON PIPE FOUND
LOT 1
WOODMARK
SECTION 12, AREA 1
PLAT No. 3825
100'
325.67'
N 21-98
W/LOOP
S29°15'W
Copy of Signed prelim plat on 11-30-93

MINIMUM LOT SIZE
2.938 AC.±
3.216 AC.±
3.547 AC.±
4.575 AC.±
3.270 AC.±
2.718 AC.±
3.559 AC.±

5	N38°08'28"E 31.85'	16	N49°30'04"E 31.88'	27	N54°19'03"W 25.51'	43	S17°17'21"E 35.49'
6	N81°33'09"E 53.14'	17	S86°45'09"E 20.60'	28	N37°39'46"E 31.26'	44	S50°41'25"W 43.33'
7	N81°33'09"E 7.50'	18	N50°20'36"E 72.60'	29	N30°04'49"E 42.41'	45	S29°41'31"E 37.49'
8	N88°11'49"E 70.49'	19	N04°40'13"W 26.97'	30	N33°23'33"W 45.08'	46	S27°30'56"W 6.82'
9	S49°19'22"E 23.58'	20	N17°49'37"E 20.68'	31	N23°21'45"E 37.61'	47	S27°30'56"W 16.39'
10	N48°19'24"E 20.63'	21	N16°08'57"E 35.57'	32	N49°57'02"E 43.25'	48	S09°04'03"W 56.51'
11	N69°54'54"E 30.12'	22	N23°28'51"W 27.97'	33	N12°12'37"E 38.81'	49	S24°47'56"E 44.06'
				34	N54°19'23"E 12.28'	50	S02°23'42"W 47.02'
				35	S49°05'23"E 71.87'	51	N80°26'05"E 10.61'
				36	S34°34'40"W 39.79'	52	S52°33'18"W 39.24'
				37	N22°51'58"W 54.17'	53	S76°20'30"W 710.34'
				38	S36°47'29"W 38.18'	54	N03°17'08"W 45.20'
						55	S23°29'09"W 18.78'
						56	S34°34'50"W 58.67'
						57	S44°09'44"W 57.94'

ROAD

N44°33'03"E 15.00'

127

66

109.81'

MATCH

L=293.26'

L=146.83'

RESTRICTED

N 526,000

E 816,000

EXISTING ℄ STREAM

LINE

PLAT No. 4097)

67

R=465.00'

L=148.43'

.57'

75'

75' STREAM BUFFER

249.01'

S30°15'53"E

B.R.L.

LOT 4
WOODMARK
PLAT No. 4652

S49°05'23"E

30'

417.0

SEE

25' WETLAND BUFFER

SHEET 2 OF 2

MARYLAND STATE GRID NORTH

678.04'

319.96'

281.39'

30' PRIVATE ACCESS EASEMENT ACROSS LOT Nos. 7, 8 AND 9 FOR THE BENEFIT OF LOT Nos. 6, 7, 8 AND 9. MAINTENANCE AGREEMENT RECORDED IN LIBER 3007 AT FOLIO 206.

30'

LOT 8
4.185 AC.±

247.51'

IVATE ACCESS EASEMENT ACROSS
OT Nos. 6, 7, 8 AND 9 FOR THE
NEFIT OF LOT Nos. 6, 7, 8 AND 9
AINTENANCE AGREEMENT RECORDED
IN LIBER 3007 AT FOLIO 206

WETLAND AREA

426.8

R=500.00'

L=125.59'

N78°08'25"W 91.59'

L=216.96'

R=200.00'

491.13'

432.0

REAM BUFFER

25' WETLAND BUFFER

LOT 4
WOODMARK
PLAT No. 4652

60'

3/4" OPEN END IRON PIPE FOUND

30

N67°01'27"W

824.33'

EXISTING ℄ STREAM

325.67'

S24°29'15"W

29

3/4" OPEN END IRON PIPE FOUND

LOT 1
WOODMARK
SECTION 12, AREA 1
PLAT No. 3825

PLAT BOOK

NOTE:
THE PURPOSE OF THIS PLAT IS TO RESUBDIVIDE LOT Nos. 4 AND 5 INTO LOT Nos. 6 THRU 12.

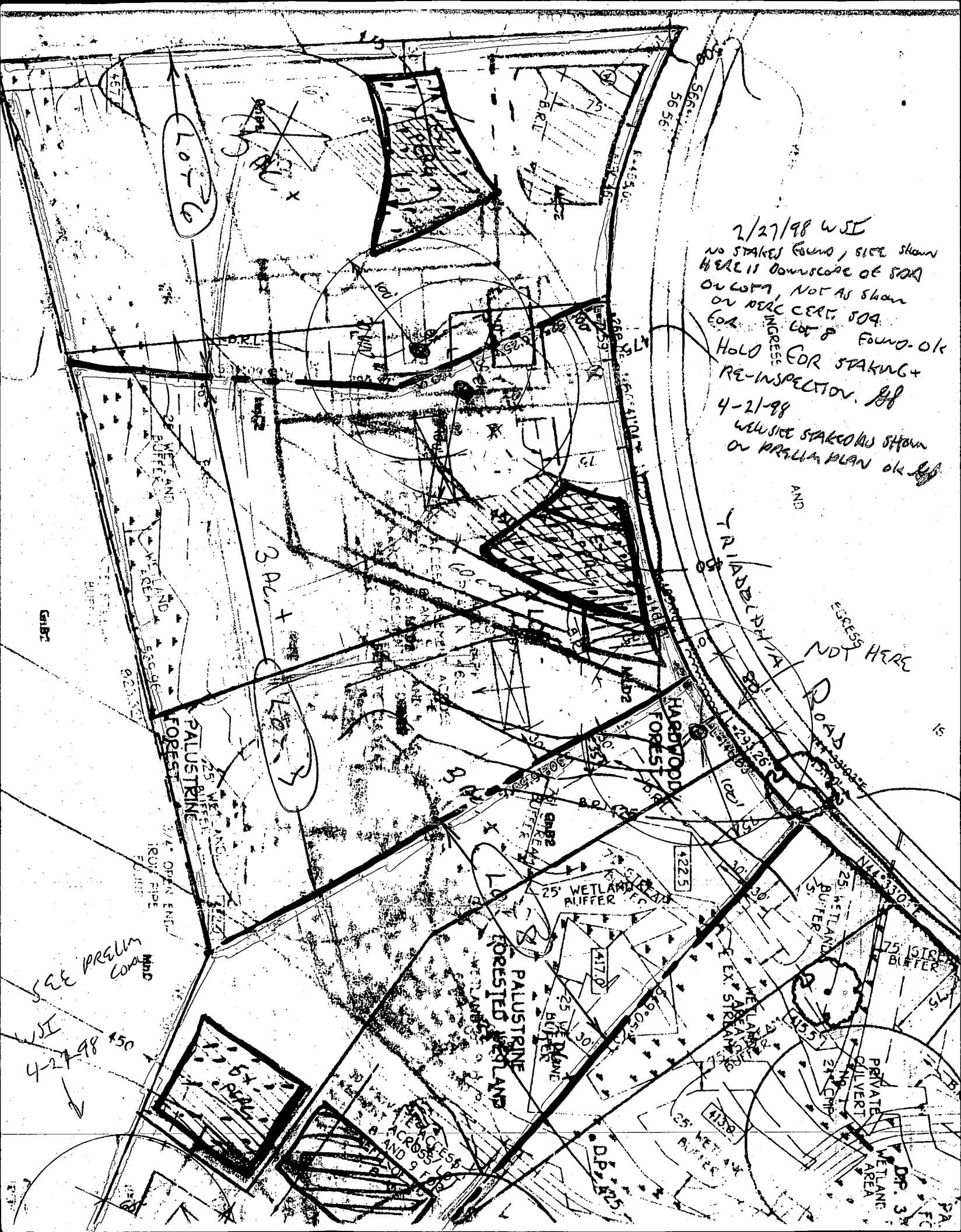
F-93-02

TS

.7
.0
.7

OWNER AND DEVELOPER

FISHER, COLLINS & CARTER,


2/27/98 WSI
NO STAKES FOUND, SITE SHOWN HERE IS DOWNSCOPE OF 504 ON LOT 9, NOT AS SHOWN ON PERC CERT. 504 FOR LOT 8 FOUND-OK
HOLD FOR STAKING + RE-INSPECTION. BB
4-21-98
WELL SITE STAKED AS SHOWN ON PARCEL PLAN OK BB
AND
TRIANGLE
EGRESS NOT HERE
ROAD
LOT 6
3 AC. +
LOT 7
LOT 8
LOT 9
PERC
EX. PERC
HARDWOOD FOREST
PALUSTRINE FOREST
PALUSTRINE FORESTED WETLAND
25' WETLAND BUFFER
75' STREAM BUFFER
EX. STREAM
EX. WETLAND AREA
PRIVATE CULVERT
24" CMP
WETLAND AREA
D.P. 425
D.P. 3
EGRESS ACROSS LOTS 8 AND 9 FOR
SEE PRELIM COND
WSI
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422.5
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413.8
N44°33'07"E
29.26'
50.35'
S66°56'
S66°56'

EMERGENCY/TEMP NO. IF ANY

B 1 2439 — SEQUENCE NO. (MDE USE ONLY)
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND
PERMIT TO DRILL WELL
please print or type

STATE PERMIT NUMBER: Ho -94 -1531
fill in this form completely

Date Received (APA): 6-10-98

OWNER INFORMATION RN 7366

Brinker | John
Last Name | Owner | First Name

12275 Carroll Mill Road
Street or RFD

Ellicott City, Md. 21042
Town | State | Zip

DRILLER INFORMATION

George F. Easterday — M W D 040
Driller's Name | License No.

L. Franklin Easterday, Inc.
Firm Name

9265 Brown Church Rd., MT. Airy, Md. 21771
Address

George F. Easterday — 2/9/98
Signature | Date

B 2 WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.): 5

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY): 500

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- (D) HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
- [F] FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION
- [I] INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
- [P] PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE APPROVAL
- [T] TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

APPROXIMATE DEPTH OF WELL: 300 FEET

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)
CABLE | REVerse-ROTary | DRive-POINT
other

REPLACEMENT OR DEEPENED WELLS (CIRCLE APPROPRIATE BOX)

- (N) THIS WELL WILL NOT REPLACE AN EXISTING WELL
- [Y] THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
- [S] THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
- [D] THIS WELL WILL DEEPEN AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENED (IF AVAILABLE)

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

APPROP. PERMIT NUMBER: GAP

FORCE: G S (WRITE INITIALS IN BOX) PERMIT No. Ho -94 -1531

SPECIAL CONDITIONS
NOTE = APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED =

B 3 LOCATION OF WELL

Howard — CC#
COUNTY

Woodmark
SUBDIVISION

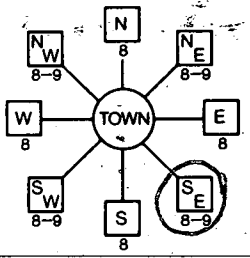
SECTION | LOT 8

West Friendship
NEAREST TOWN

MILES FROM TOWN (enter 0 if in town): 2 M I

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Triadelphia Road
NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

DISTANCE FROM ROAD: 50 Ft.
ENTER FT OR MI

TAX MAP: 22 BLK: 6 PARCEL 521

NOT TO BE FILLED IN BY DRILLER
HEALTH DEPARTMENT APPROVAL

HOWARD — A 39496
COUNTY NAME | COUNTY NO.

STATE SIGNATURE | INSERT S

DATE ISSUED: 4 22 98 — CO SIGNATURE — EXP. DATE: 4 22 99

NORTH GRID: 526 000 EAST GRID: 816 000

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

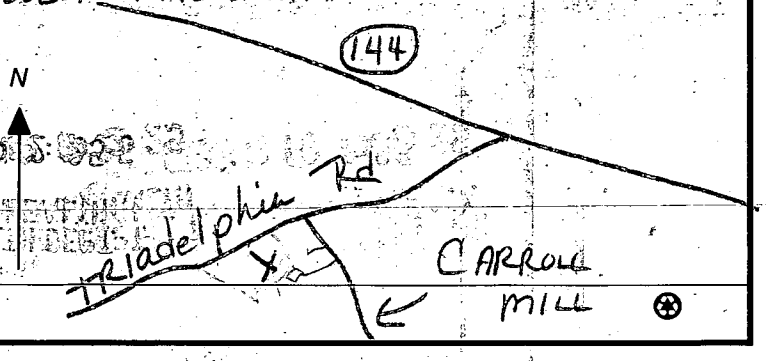
SOURCES OF DRILLING WATER
1.
2. wells
3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 810
N 520

6-2-98 6/4 8:15 missed appt (KM) Grout 11:00 remained until 11:20 no one showed (KM)

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION — MAP 10 E9



COUNTY

C 1 05029 — SEQUENCE NO. (MDE USE ONLY)

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

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

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

COUNTY NUMBER A39496

ST/CO USE ONLY
DATE Received MM 8 DD 13 YY 90

DATE WELL COMPLETED MM 06 DD 04 YY 98

Depth of Well 280 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-1531

OWNER BRINKER (last name) JOHN (first name)

STREET OR RFD TRIADELPHIA ROAD TOWN WEST FRIENDSHIP

SUBDIVISION WOODMARK SECTION LOT 8

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	FEET TO	check if water bearing
top soil	0	2	
Shiley	2	10	
Sand stone	10	25	
Sand	25	70	
Sand stone	70	82	✓
Gray mica	82	95	
Brown mica	95	140	✓
Gray mica	140	180	
Sand stone	180	220	
marble	220	255	✓
Gray mica	255	280	

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED yes [ ] no [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.: MWD 040
George F. Easterday
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO.: MWD 481

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

GROUTING RECORD
WELL HAS BEEN GROUTED (Circle Appropriate Box) yes [Y] no [N]

TYPE OF GROUTING MATERIAL (Circle one)
CEMENT [CM] BENTONITE CLAY [BC]

NO. OF BAGS 41 NO. OF POUNDS 4100

GALLONS OF WATER 205

DEPTH OF GROUT SEAL (to nearest foot)
from 0 ft. (TOP) to 74 ft. (BOTTOM)
(enter 0 if from surface)

CASING RECORD
casing 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	6	80

OTHER CASING (if used) — EACH CASING

diameter inch	depth (feet) from	to

SCREEN RECORD
screen type or open hole — insert appropriate code below:
[ST] STEEL [BR] BRASS BRONZE [HO] OPEN HOLE [PL] PLASTIC [OT] OTHER

C 2 — DEPTH (nearest ft.) — EACH SCREEN

	from	to
1	40	78
2		280
3		

SLOT SIZE 1 ____ 2 ____ 3 ____

DIAMETER OF SCREEN ____ (NEAREST INCH)

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

TELESCOPE CASING | LOG INDICATOR | OTHER DATA

C 3

PUMPING TEST
HOURS PUMPED (nearest hour) 3

PUMPING RATE (gal. per min.) 15.

METHOD USED TO MEASURE PUMPING RATE Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING 21 ft.

WHEN PUMPING 73 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 WILL INSTALL 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:

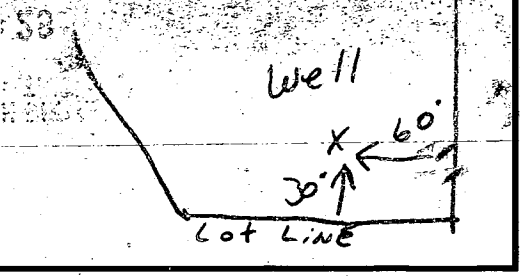
CAPACITY: GALLONS PER MINUTE (to nearest gallon)

PUMP HORSE POWER

PUMP COLUMN LENGTH (nearest ft.)

CASING HEIGHT (circle appropriate box and enter casing height)
[+] above [—] below LAND SURFACE
2 (nearest) foot

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)



COUNTY

Page ____ of ____ 6-5-98 10:00 Review OK KM 8-14-98
Date

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-1531
Location of property (road) TRIADELPHIA RD
Subdivision WOODMARK Lot 8 Block ____ Plat ____ Sec. ____
Well Driller EASTERDAY Owner BAINKER

Depth of well 280 20 gpm
Distance of measuring point (M.P.) above ground 2 ft
Static water level (S.W.L.) below M.P. 21 ft

I. High rate pumping -- reservoir drawdown

Time pump started 12:00 pm Pumping rate ____
Total time ____ to reach pumping water level ____ 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~~) Pump set	CALCULATED FLOW (gallons per minute)
12:00 pm	21 ft	4sec	175 ft	15 GPM
12:15 pm	67 ft	4 sec	175 ft	15 GPM
12:30 pm	72 ft	4 sec	175 ft	15 GPM
12:45 pm	72 ft	4 sec	175 ft	15 GPM
1:00 pm	72 ft	4 sec	175 ft	15 GPM
1:15 pm	72 ft	4 sec	175 ft	15 GPM
1:30 pm	72 ft	4 sec	175 ft	15 GPM
1:45 pm	72 ft	4 sec	175 ft	15 GPM
2:00 pm	72 ft	4 sec	175 ft	15 GPM
2:15 pm	72 ft	4 sec	175 ft	15 GPM
2:30 pm	72 ft	4 sec	175 ft	15 GPM
2:45 pm	73 ft	4 sec	175 ft	15 GPM
3:00 pm	73 ft	4 sec	175 ft	15 GPM
		TESTED BY Dickie		

HD-224