

05-412219

P 510685

A 37514

DATE 9/14/98

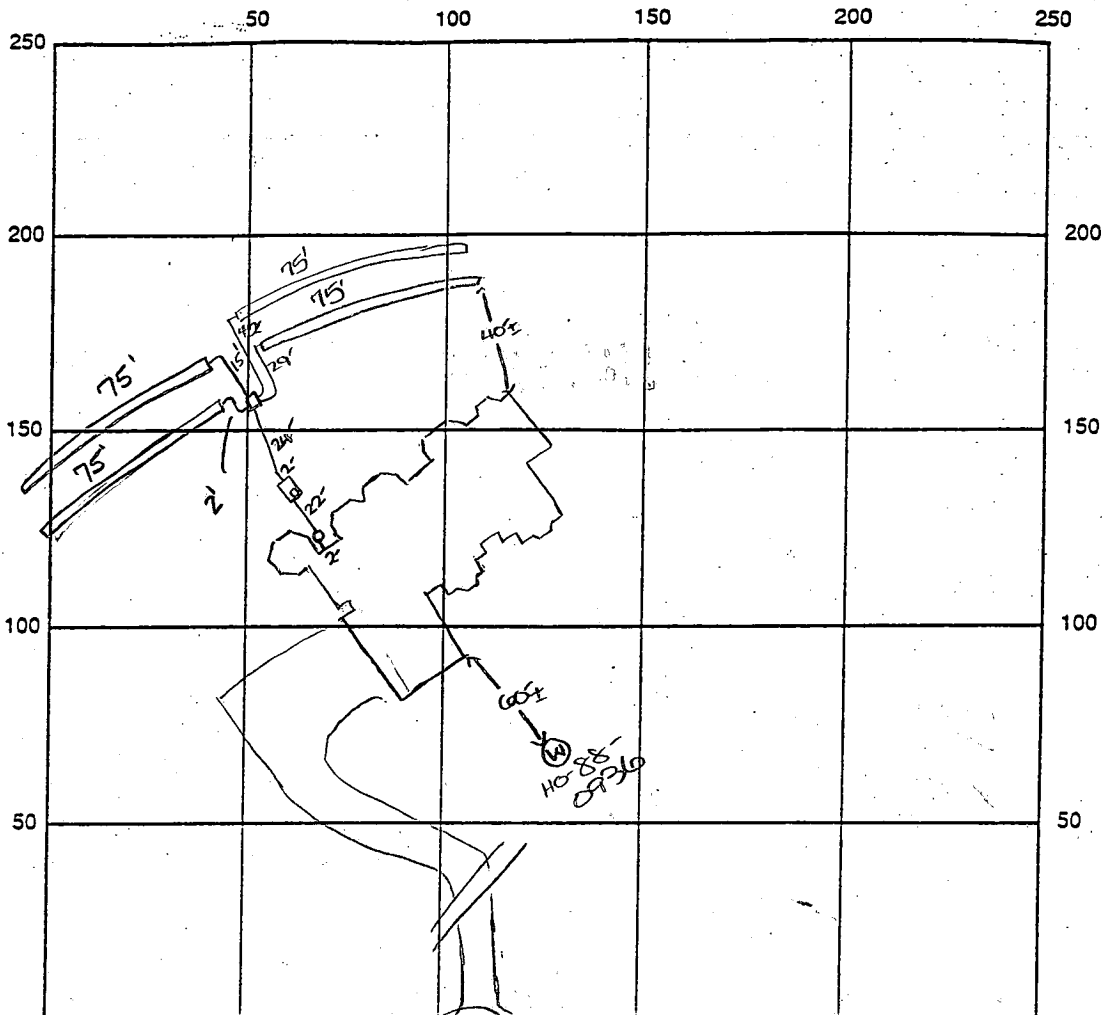
DATE SYSTEM APPROVED 9.24.98

INSPECTOR KM

IS PERMITTED TO INSTALL X ALTER

HD-260(6-90)

A37514



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL OK - 1500 gal

DISTRIBUTION BOX LEVEL OK - baffle in

DRAIN FIELD/TITLE DEPTH 5 FT.

TRENCH WIDTH 3 FT.

INLET DEPTH 3.5 FT.

EFFECTIVE GRAVEL DEPTH 1.5 FT.

TOTAL LENGTH 4 x 75 FT. → 300

NUMBER OF TRENCHES 4

ONE SIDEWALL/BOTTOM AREA 900 SQ. FT.

DRYWALL INSIDE DIAMETER — FT.

EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA — SQ. FT.

REMARKS: 9/23/98 OK to cover from house to dist. box and
first two trenches. OK to continue DKS
9/24/98 ok to cover all work (KM)

DATE SYSTEM APPROVED 9.24.98

INSPECTOR Kim Maisto

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 473 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

A 37514
P _____

DISTRICT _____
DATE 8/14/86

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER J.J.M. Partnership Todd & Lynn Martin

ADDRESS 5570-201 Sterrett Place PHONE 740-4466
Columbia, Maryland 21045

PROPERTY LOCATION:
SUBDIVISION Chapel Woods II LOT NO. 19 ^{2ND} LOT 18 PRELIM

ROAD AND DESCRIPTION West side of Middle Patuxent; North of Route 108

(11825 Shepard's Crossing Court) AND RETURNED 6-5-98
SIZE OF LOT 3.48 ac. TYPE BLDG. residential - 4 Bed
Serial # B70112034
(NUMBER OF BEDROOMS)

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.

John Mikolasko
(SIGNATURE OF APPLICANT)

APPROVED BY Lichy Ahl FOR Standard func DATE 7-24-89

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

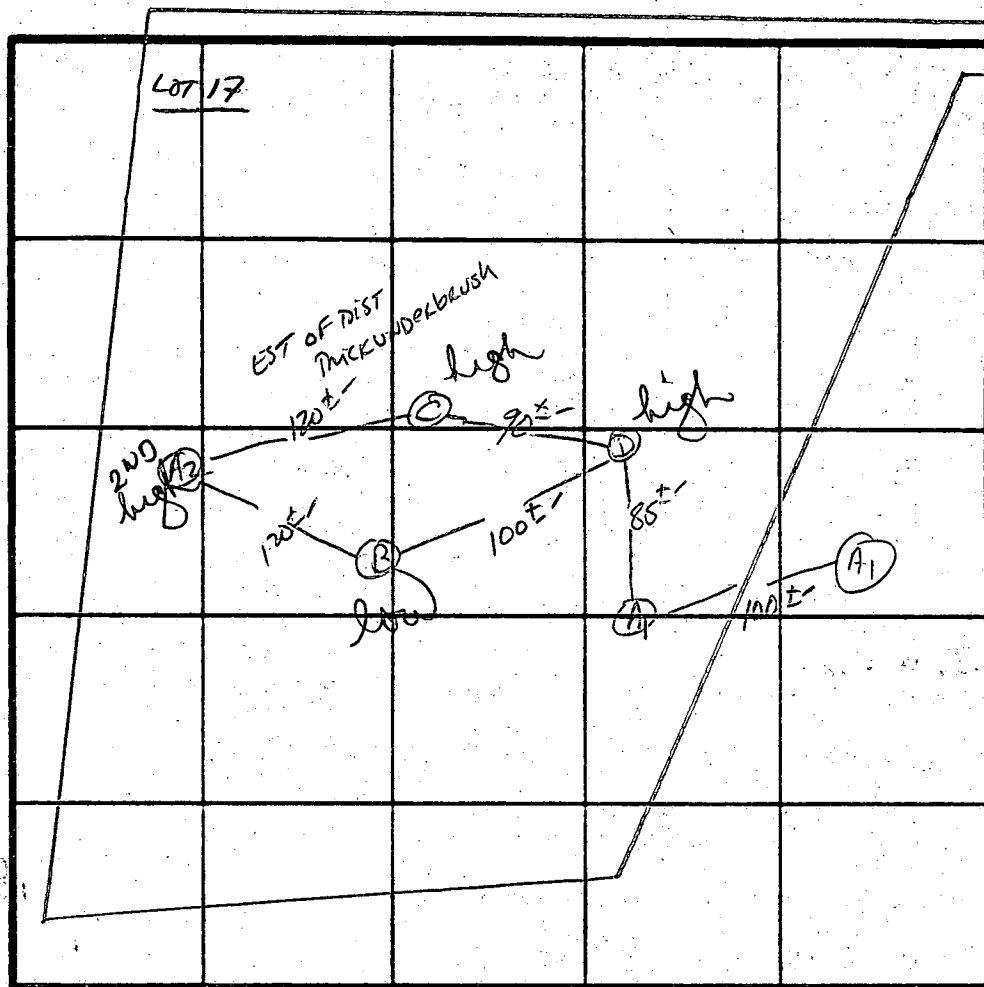
REASONS FOR REJECTION OR HOLDING 9-10-88 Rec. Satisfactory, 1 bed for Subdivision Plat S. Ahl

THIS IS NOT A PERMIT

SOIL PROFILE

0' A1-3
 Yellow BR
 Silty loam
 9-12% CLAY
 <10% FRAGS
 4' TAN BROWN
 SAND LOAM
 ROCK VEIN
 AT 3.5'-
 5.0'
 20-25%
 FRAGMENTS
 (ROCK VEIN
 THIN MICACEOUS
 SCHIST HOLE)
 A2
 12.5'

0' A1-3
 Silty BR
 Silty loam
 12% CLAY
 10-15% FRAGS
 2' TAN/BROWN
 SILTY SAND
 10-15%
 FRAGS
 13'



$\bar{x} = 2 \text{ min}$
 3' - 6'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9/10/86	D S	4.5'	2:51	2:52	2:52	2:54	2 min
		12.5'	uniform	soil below 4'			
	C S	2'	3:00	3:01	3:01	3:02	1 min
	C M	6'	2:58	2:59	2:59	3:00	1 min
	C V	13'	uniform	soil below 2'			
	B S	4.5'	3:17:30	3:18:30	3:18:30	3:20:30	2 min
		12'	uniform	soil below 3'			
	A2 S	4'	3:11	3:12:30	3:12:30	3:15:30	3 min
		12.5'	uniform	soil below 3.5-4'			
	A1	ROCK AT 3'	MOVED				

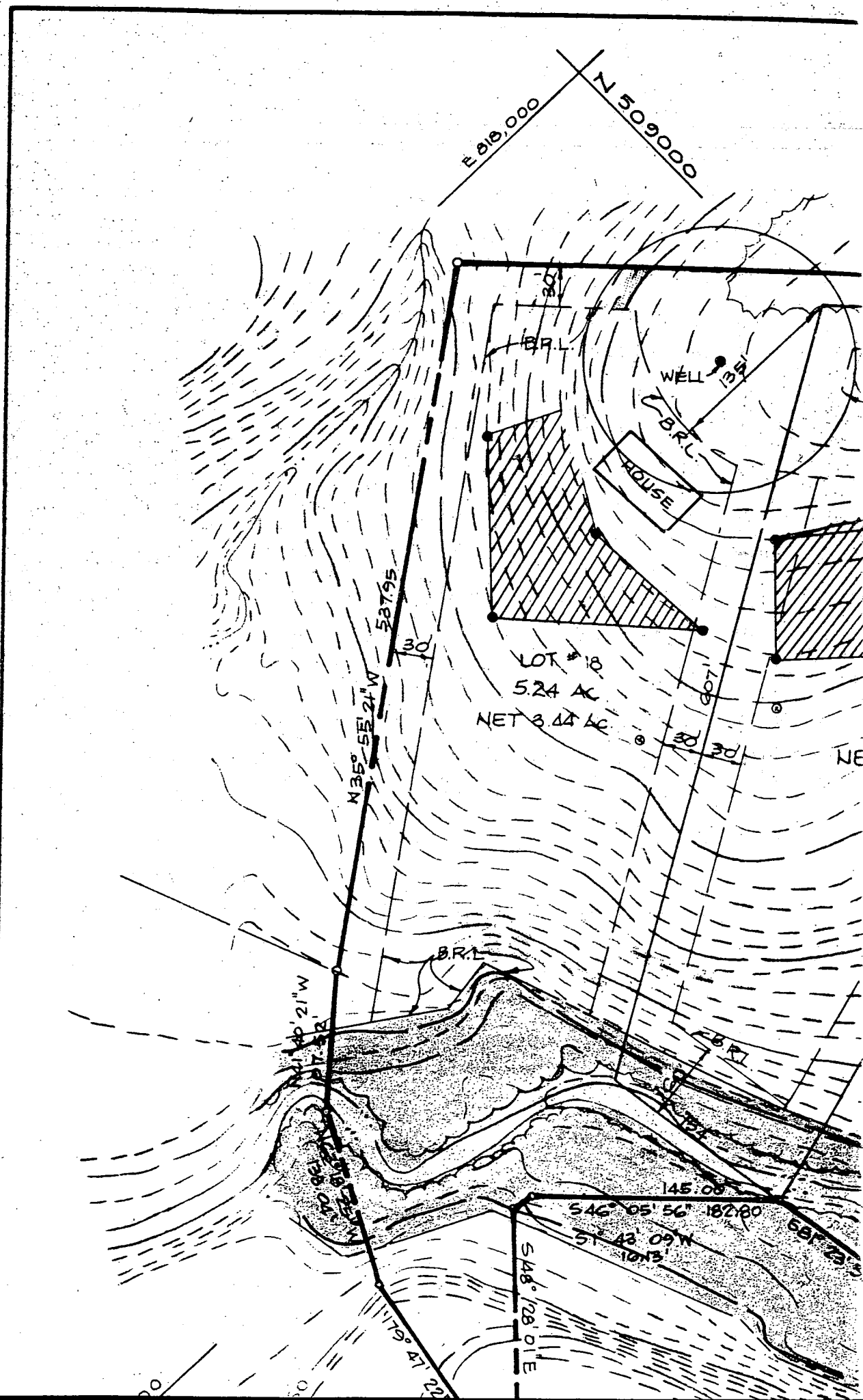
REMARKS HOLES slightly diff. than PLAT

TYPE OF SOIL Chert

TESTED BY S. Abel

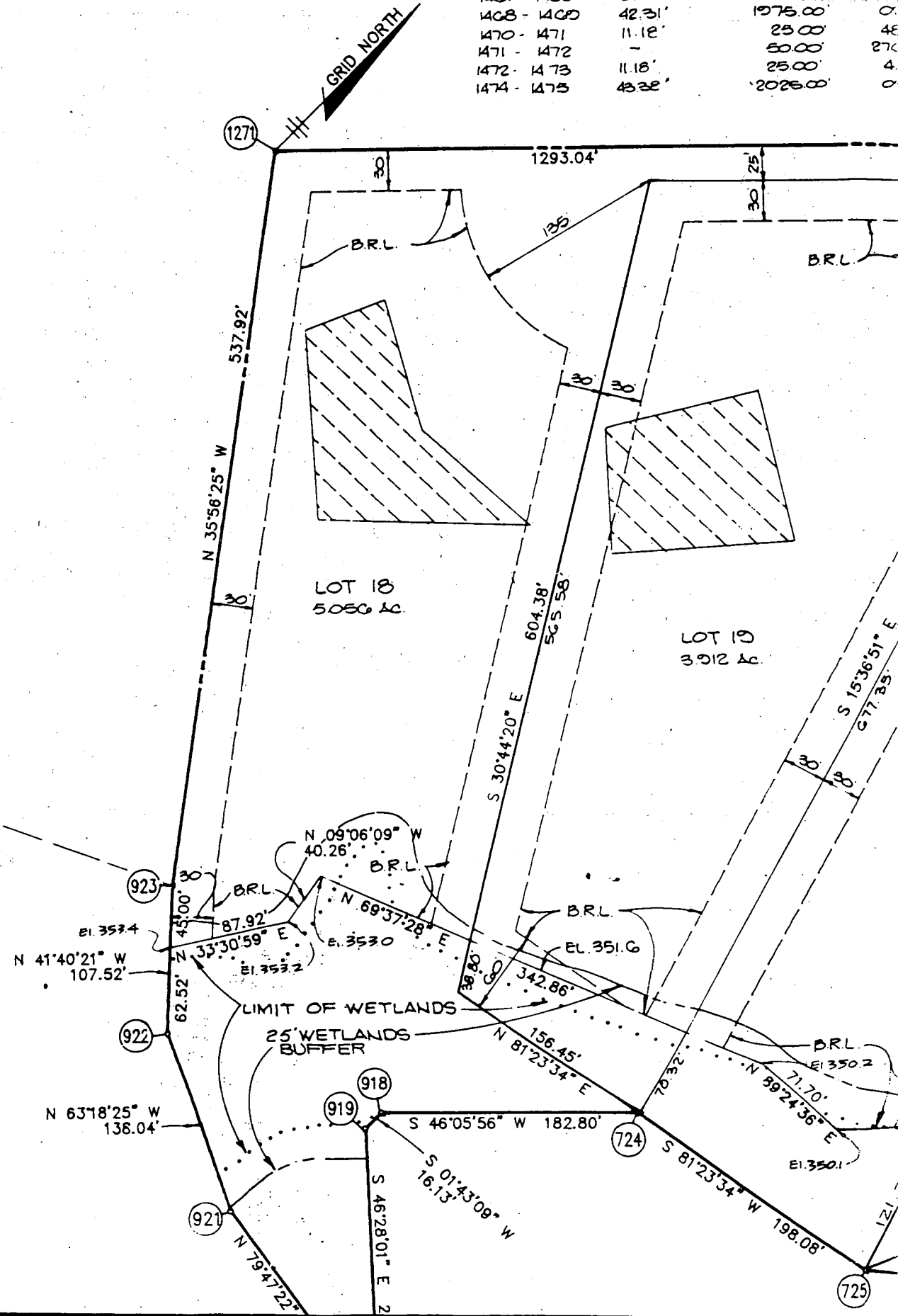
ALSO PRESENT

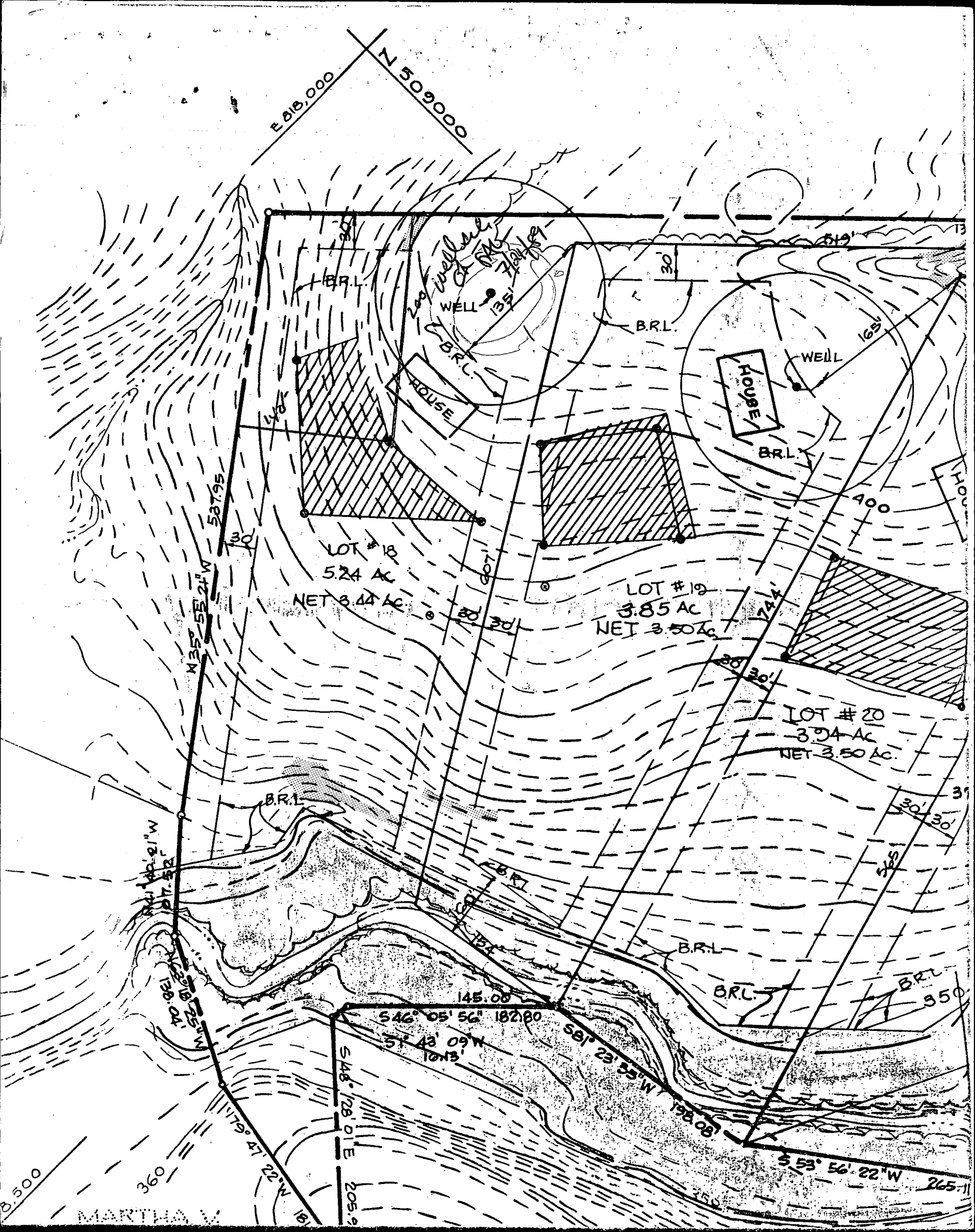
RLO/owner/Developer



CURVE D.

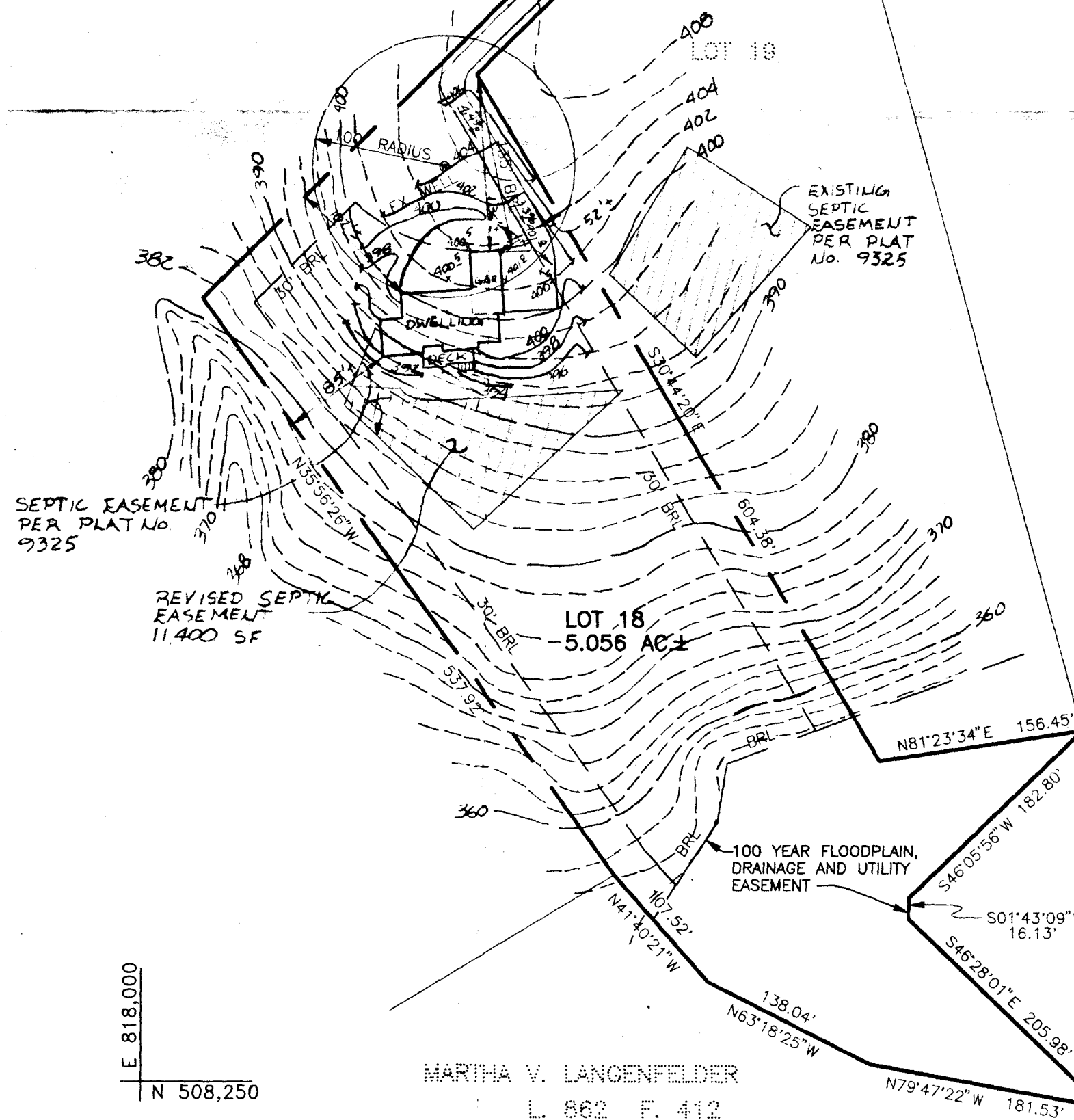
CURVE	TANGENT	RADIUS	
1453 - 1454	180.13'	375.00'	5
1455 - 1456	150.13'	825.00'	2
1457 - 1460	141.03'	775.00'	2
1461 - 1462	204.15'	425.00'	5
1468 - 1469	42.31'	1975.00'	0
1470 - 1471	11.18'	25.00'	48
1471 - 1472	-	50.00'	270
1472 - 1473	11.18'	25.00'	4
1474 - 1475	43.22'	2025.00'	0





E 818,000
N 509,500

MALLAN REA, JR.
L. 558 F. 341



E 818,000
N 508,250

MARTHA V. LANGENFELDER
L. 862 F. 412

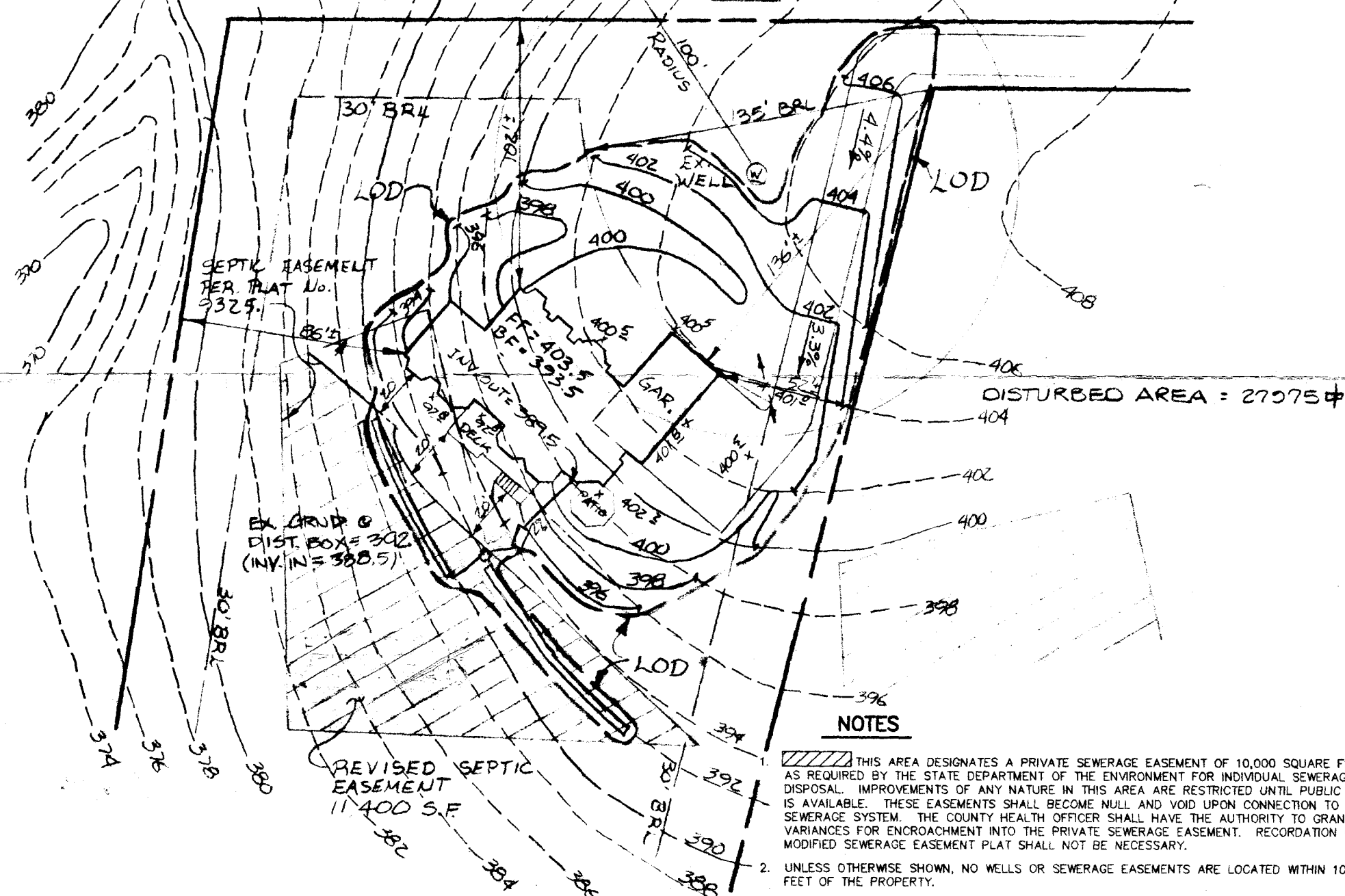
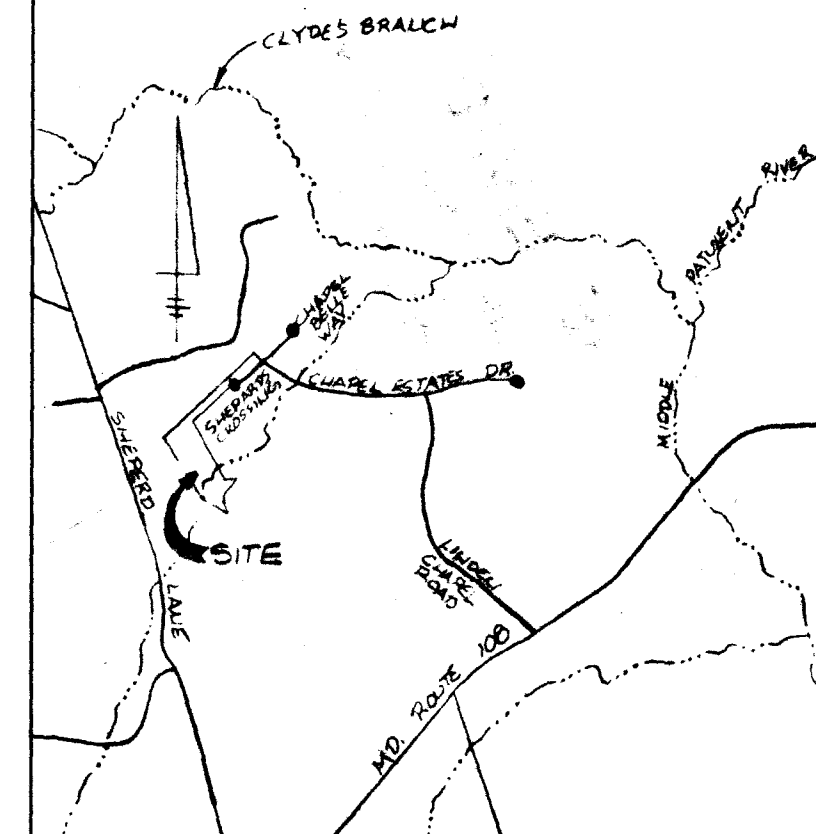
PLAN
SCALE: 1" = 100'

Approved Septic System Plan Howard County Health Department

Total linear feet of trench required 240 feet
width of trench(es) 2.0 feet
depth of trench(es) 5.0 feet
depth of stone required below distribution pipe 1.5 feet

Signature [Signature]
Date 6/5/98

VICINITY MAP
SCALE: 1" = 2000'



DETAIL
SCALE: 1" = 50'

EXISTING GRD @
SEPTIC TALK =
394.0
INV. IN = 389.0
INV. OUT = 388.7

NOTES

1. 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 ARE RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THESE EASEMENTS 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.
2. UNLESS OTHERWISE SHOWN, NO WELLS OR SEWERAGE EASEMENTS ARE LOCATED WITHIN 100 FEET OF THE PROPERTY.
3. TOPOGRAPHY SHOWN HEREON IS TAKEN FROM A PRELIMINARY PLAT SUPPLIED BY THE CLIENT.
4. EXACT LENGTH OF SEPTIC TRENCHES TO BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF PERMIT ISSUANCE.

TSA GROUP, INC.
planning • architecture • engineering • surveying
6480 Baltimore National Pike • Ellicott City, Maryland 21043 • 410-465-6105

PROJECT:		CHAPEL WOODS II	
		LOT 18	
		11825 SHEPARD'S CROSSING	
LOCATION:		TAX MAP 29 - PARCELS 26, 86, 282, 347	
		5th ELECTION DISTRICT	
		PLAT: 9325	
		HOWARD COUNTY, MARYLAND	
TITLE:			
PLOT PLAN			
DATE:	JUNE 4, 1998	PROJECT NO.	1141
SCALE:	AS SHOWN	DRAWING	1 OF 1

C 1 1071
SEQUENCE NO. (DENV 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 A 37514

ST/CO USE ONLY
DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO.
FROM "PERMIT TO DRILL WELL"

8 13

15 20

22 26
(TO NEAREST FOOT)

28 37
40-88-0936

OWNER: last name first name T J M - J A C
STREET OR RFD SADDLED CROSSING TOWN CHARLESTON
SUBDIVISION CHASE LANE II SECTION LOT 18

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 Check if water bearing

SAND Stone 0 37
GRAY Micaceous Rock 37 365

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box)

TYPE OF GROUTING MATERIAL

CEMENT CM BENTONITE CLAY BC

NO. OF BAGS 10 NO. OF POUNDS 940

GALLONS OF WATER 60

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 35 ft.
TOP BOTTOM
(enter 0 if from surface)

CASING RECORD

casing types insert appropriate code below

ST CO
STEEL CONCRETE
PL OT
PLASTIC OTHER

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

51 1 42
60 61 63 64 66 70

OTHER CASING (if used)

diameter depth (feet) from to

screen type or open hole

SCREEN RECORD

insert appropriate code below

ST BR HO
STEEL BRASS OPEN HOLE
PL OT
PLASTIC OTHER

C 2

DEPTH (nearest ft.)
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

SLOT SIZE 1 2 3

DIAMETER OF SCREEN (NEAREST INCH)

from to

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

68

OEP 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

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 3

PUMPING RATE (gal. per min. to nearest gal.) 5

METHOD USED TO MEASURE PUMPING RATE Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING 28

WHEN PUMPING 189

TYPE OF PUMP USED (for test)

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

PUMP INSTALLED

DRILLER WILL INSTALL PUMP YES NO

IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE

TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE:

CAPACITY: GALLONS PER MINUTE (to nearest gallon)

PUMP HORSE POWER

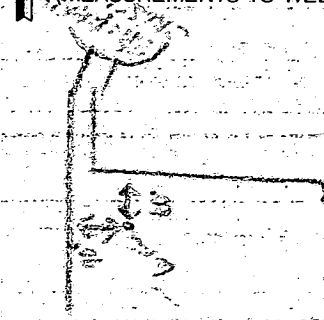
PUMP COLUMN LENGTH (nearest ft.)

CASING HEIGHT (circle appropriate box and enter casing height)

LAND SURFACE (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)



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 IDENT. NO. 939

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

COUNTY

Review OK MR 12/12/89

Well Permit No. HO - 88-0936
Location of property (road) Shepard Crossing
Subdivision Chapel Woods II Lot 18 Block Plat Sec.
Well Driller J Mayne Owner John, Inc.

Depth of well 365'
Distance of measuring point (M.P.) above ground 1'
Static water level (S.W.L.) below M.P. 28'

Time pump started 7:30 Pumping rate 15 gpm
Total time 45 min. to reach pumping water level 184 ft. below M.P.

[illegible]

B 1 8702 SEQUENCE NO. (DP 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 140-88-0936 fill in this form completely
Date Received (APA) 061689 OWNER INFORMATION J. J. M. INC 15 Last Name Owner First Name 34 5570-205 Sterrett Pl. 36 Street or RFD 55 COLUMBIA MD21044 57 Town 70 State 72 Zip 76	B 3 LOCATION OF WELL HOWARD 8 COUNTY 21 CHAPEL WOODS II 23 SUBDIVISION 42 SECTION LOT 18 44 46 48 50 CLARKSVILLE 52 NEAREST TOWN 71 MILES FROM TOWN (enter 0 if in town) 3 MI 73 76 77 78	B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX) NEAR WHAT ROAD Shepards Crossing 11 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH ☒ WEST ☐ EAST ☐ SOUTH ☐ 34 600 37 DISTANCE FROM ROAD ENTER FT OR MI FT 38 39
DRILLER INFORMATION Joseph L. Mayne 238 Driller's Name 77 License No. 80 Joseph L. Mayne Well Drilling Firm Name 5512 Ridge Rd. Mt. Airy 21771 Address Joseph L. Mayne 6/14/89 Signature Date	B 2 WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 5 0 0 0 8 12 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500 0 0 0 14 20 USE FOR WATER (CIRCLE APPROPRIATE BOX) ☒ HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) ☐ FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) ☐ INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) ☐ PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) ☐ TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)	
APPROXIMATE DEPTH OF WELL 300 0 0 0 FEET 24 28 APPROXIMATE DIAMETER OF WELL 6 INCH METHOD OF DRILLING (circle one) BORED (or Augered) <u>JETTED</u> Jetted & DRIVEN 30 <u>AIR-ROTARY</u> AIR-PERCussion ROTARY (Hydraulic Rotary) 37 <u>CABLE</u> REVerse-ROTary Drive-POINT other _____	NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL Howard A-37514 COUNTY NAME COUNTY NO. STATE SIGNATURE _____ INSERT S ☐ 41 DATE ISSUED 07/18/89 Sickel 01-20-90 43 48 CO SIGNATURE EXP. DATE NORTH GRID 508000 EAST GRID 0818000 50 55 57 63 SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. <u>WELL</u> 2. _____ 3. _____ WRITE THE BOX NUMBER FROM THE MAP HERE 820 18 500 08 0000 0000 (Tag on at 1-1)	
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 ☐ THIS WELL WILL DEEPEMED AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52	DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION	
Not to be filled in by driller (OEP USE ONLY) APPROX. PERMIT NUMBER GAP 54 63 FORCE SA WRITE INITIALS IN BOX PERMIT No. 140-88-0936 67 68 70 71 72 73 74 75 76 77 78 79 SPECIAL CONDITIONS Clarksville COUNTY		

HOWARD COUNTY HEALTH DEPARTMENT
Bureau of Environmental Health
3825-N Ellicott Mills Drive
Ellicott City, MD 21043
410-313-2640

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation ☒
Replacement ☐

Receipt #
Date 11/17/98

Name of Installer Carroll Water Systems, Inc.

Telephone 410-876-5100

License Number PI-074
Certified Well Pump Installer ☒

Well Driller ☐ Registered Plumber ☐

Name of Property Owner GVC Builders
Subdivision Sheppard's Crossing Lot # 18
Site Address 11825 Sheppard's Crossing

Telephone 410-977-3593
Well Tag # HD-88-0936

Pump

1. Type

- a. Deep well jet
b. Shallow well jet
c. Submersible ☒

2. Make Goulds

3. Model # 6350-722

4. Capacity 6 GPM

5. Pump exceeds well capacity Yes ☐ No ☒

6. If Yes, is low pressure cutoff switch installed? Yes ☐ No ☒

7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors ☐ Cable guards ☒ Other ☐

Motor

1. Horsepower 3/4
2. RPM 3450
3. Voltage
a. 110
b. 220 ☒

Pitless Adapter

1. Make Campbell
2. Model # 8-12X
3. Depth 4'

Tank

1. Capacity W4350
2. Pressure relief valve? yes

Piping

1. Type plastic
2. Size 1"
3. NSF and/or BOCA Code approved yes
4. Depth of supply line 4'

Well data

1. Depth 360' ft.
2. Yield ? GPM
3. Static water level ? ft.
4. Will water supply be disinfected by installer? NO

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.

Signature of Applicant: [Signature]

Date: 11/17/98

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