

4/8/99
2:00
4/28/99 2:00

PERMIT 05-414261

SEWAGE DISPOSAL SYSTEM
DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 511448
A 37811

DISTRICT _____

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

INDEXED

DATE 3/24/99
DATE SYSTEM APPROVED 4/28/99
INSPECTOR M. Ripkin

South Carroll Backhoe, Inc. IS PERMITTED TO INSTALL ALTER _____

ADDRESS 4410 Salem Bottom Road, Westminster, Maryland 21157 PHONE 410-875-4197

SUBDIVISION Clearview Estates, Sec. II LOT 58 ROAD 12022 Misty Rise Court

PROPERTY OWNER Goodier Builders

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS *****MANHOLE CLEANOUT REQUIRED*****

NUMBER OF BEDROOMS 4

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 280

TRENCHES - Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 3 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place distribution box 175 feet from front (340.00') lot line and 110 feet from right (210.12') lot line as viewed from Misty Rise Court. Install trenches on contour toward right lot line.

NOTES - MAINTAIN AT LEAST THE MINIMUM 100 FEET DISTANCE FROM WELL TO SEPTIC SYSTEM. No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK/MR

PLANS APPROVED BY Ronald J. Pinkley/Kim Maiste DATE 11-10-98

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

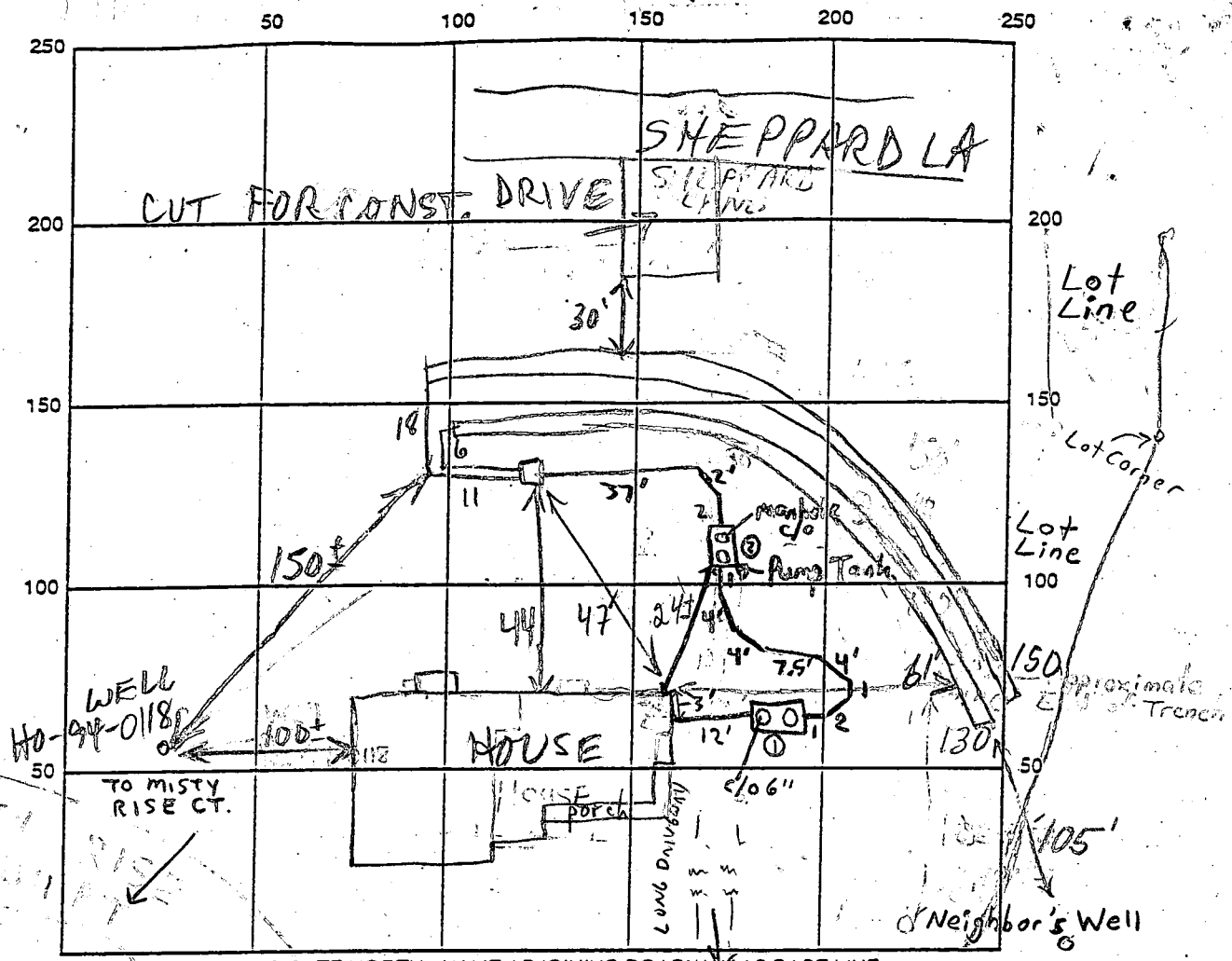
PERMIT VOID AFTER TWO YEARS

CLDG. PERMIT SIGNED
AND RETURNED 4-14-99
Serial # 117285
dict

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**



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 2(150.0) Top Seams CLEANOUTS 1-6" at Septic Tank / 1 Manhole on pump tank

DISTRIBUTION BOX LEVEL _____

DRAIN FIELD/TITLE DEPTH 4 1/2 to 6 1/2 FT. TRENCH WIDTH 3 FT. INLET DEPTH 2 1/2 - 4 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 0130 @ 150 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 0390 @ 450 SQ. FT.

DRYWALL INSIDE DIAMETER N/A FT. EFFECTIVE DEPTH BELOW INLET N/A FT.

ABSORBENT AREA 840 SQ. FT.

REMARKS: 4/8/99 - STOP WORK - SITE COMPLICATIONS (CW)

1) 4/9/99 Well Line Inspection (WPLI) Good ✓ SRK /

Meeting with builder and contractor, agreed to put in 2-140' trenches and 2nd tank, Sufficient

area remains for 2 repairs 4/14/99 SRK, 4/27/99 OK TO COVER PIPING TO 1ST

TANK FROM HOUSE, PIPING FROM 1st tank to Pump tank & piping from pump tank to house

4/28/99 OK TO COVER (MR)

DATE SYSTEM APPROVED 4/28/99 INSPECTOR M. Ritkin

HOWARD COUNTY HEALTH DEPARTMENT
Bureau of Environmental Health
3525-E Ellicott Mills Drive
Ellicott City, MD 21043
410-9882

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation
 Replacement

Receipt # _____
 Date _____

Name of Installer Willoughby Pump

Telephone 410-781-7051

License Number # 6992

Certified Well Pump Installer Well Driller Registered Plumber

Name of Property Owner Goodier Bldg

Telephone 410-997-7400

Subdivision Maplewood Estate Lot 6 5th

Well Tag # HO-94-0118

Site Address 12010 Misty Rose

Pump

- Type
 - Deep well jet
 - Shallow well jet
 - Submersible
- Make DeLong
- Model # _____
- Capacity _____ GPM
- Pump exceeds well capacity Yes No
- If Yes, is low pressure cutoff switch installed? Yes No
- What methods are used to protect the pump and electrical wiring from vibrations? Torque arresters Cable guards Other TAPE

Motor

- Horsepower 1/2
- RPM _____
- Voltage _____
 - 110
 - 220

Pitless Adapter

- Make PAK VALVE
- Model # _____
- Depth 11 1/2

Tank

- Capacity 40 gal
- Pressure relief valve? Yes

Piping

- Type CASELINE
- Size 1"
- NSF and/or BOCA Code approved Yes
- Depth of supply line 4 FT

Well data

- Depth 32 1/2 ft.
- Yield 12.5 GPM
- Static water level: _____ ft.
- 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.

Signature of Applicant: Chris Willoughby

Date: 4-7-99

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

HO-315

WPI OK 4/9/99 S.R.K.

- Pitless Adapter
- Conduit Pipe
- 2 Piece Cap

C1 5128

SEQUENCE NO. (DENV. USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

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

FILL IN THIS FORM COMPLETELY. PLEASE PRINT OR TYPE

COUNTY NUMBER A 37811

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED 09/15/94

Depth of Well 325 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-94-0118

OWNER SUTHERLAND, R. JOHN last name MISTY first name STREET OR RFD CLEARVIEW EST. 5th SECTION TOWN CLEARVILLE SUBDIVISION LOT 58

WELL LOG Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing. Includes handwritten entries: SAND Stone 0-15, GRAY Micr Rock 15-325.

GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL CEMENT CM BENTONITE CLAY BC NO. OF BAGS 6 NO. OF POUNDS 564 GALLONS OF WATER 36 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 17 ft.

CASING RECORD casing types insert appropriate code below ST CO STEEL CONCRETE PL OT PLASTIC OTHER MAIN CASING TYPE S7 Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 27

OTHER CASING (if used) diameter inch depth (feet) from to

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

DEPTH (nearest ft.) 325 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

PUMPING TEST HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min. to nearest gal.) 605 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 114 WHEN PUMPING 197 TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED DRILLER WILL INSTALL PUMP (CIRCLE) (YES or 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) + above LAND SURFACE - below 2 (nearest foot)

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. 24

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

TELESCOPE CASING LOG INDICATOR OTHER DATA

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) See Attached Well location

B 1 09866 SEQUENCE NO. (DP USE ONLY)
1 2 3 4 5 6
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

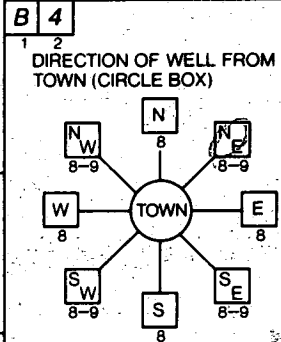
STATE OF MARYLAND
PERMIT TO DRILL WELL
please print or type

STATE PERMIT NUMBER
H0-94-0118
70 fill in this form completely 79

Date Received (APA) 062094
OWNER INFORMATION
SUTHERLAND R. TOWN
512 ORKW V RD
BALTIMORE MD 21112

B 3 LOCATION OF WELL
HOWARD
CLEARVIEW
SECTION 44 46 LOT 48 50
2 LARKSVILLE
MILES FROM TOWN (enter 0 if in town) 1 MI

DRILLER INFORMATION
Joseph L. Mayne
5512 Ridge Rd. Mt. Airy, Md. 21771
6/17/94



B 4 MISTY PINE COURT
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
DISTANCE FROM ROAD 260 FT
ENTER FT OR MI 260

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

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
HOWARD COUNTY NAME
DATE ISSUED 070694
CO SIGNATURE Charles Benjamin
NORTH GRID 504000 EAST GRID 0818000

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 HEALTH DEPARTMENT APPROVAL)
T TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

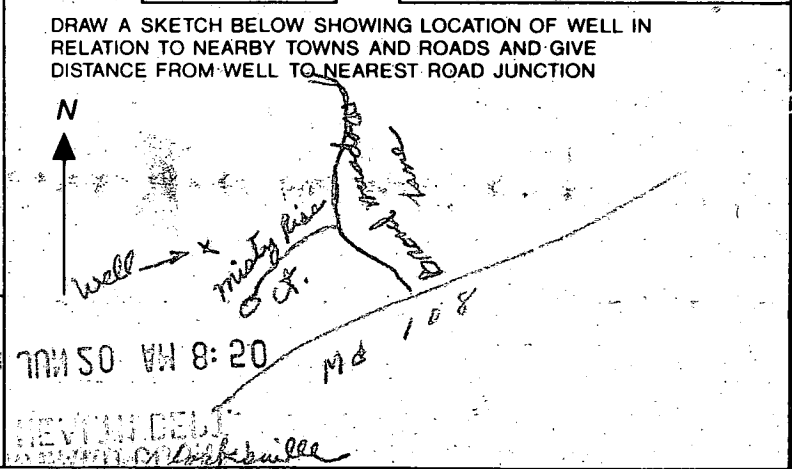
APPROXIMATE DEPTH OF WELL 300 FEET

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
SOURCES OF DRILLING WATER
1 WELL
WRITE THE BOX NUMBER FROM THE MAP HERE
818
508

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)
BORED (or Augered) JETTED Jetted & DRIVEN
AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)
CABLE REVERSE-ROTARY DRIVE-POINT

REPLACEMENT OR DEEPEMED 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
D THIS WELL WILL DEEPEM AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)



Not to be filled in by driller (OEP USE ONLY)
APPROX. PERMIT NUMBER GAP
FORCE CM WRITE INITIALS IN BOX PERMIT No. H0-94-0118

SPECIAL CONDITIONS

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 378 11

P _____

DISTRICT _____

DATE 10/09/86
June 30, 1986

*10/15/86
perc ORD
pending approval
realtor @*

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 Goodrick Builders Martha V. Langenfelder
Conrad J. and Patricia Langenfelder
11904 Clarksville Road 5511 Hamilton Avenue
ADDRESS Clarksville, Maryland 21029 PHONE Baltimore, Maryland 21206

PROPERTY LOCATION:

SUBDIVISION Langenfelder Farm Cleanview Est Sec. 2 LOT NO. 39 42 54 (58)

ROAD AND DESCRIPTION Maryland Route 108 and Shepherd Lane 12022 Misty Rise Court
BLDG. PERMIT SIGNED AND RETURNED 11-10-86
Serial # 210114929

SIZE OF LOT 3.5 AC. TYPE BLDG. Residential - 4 Bdrms
(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.

Steven P. Murray
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

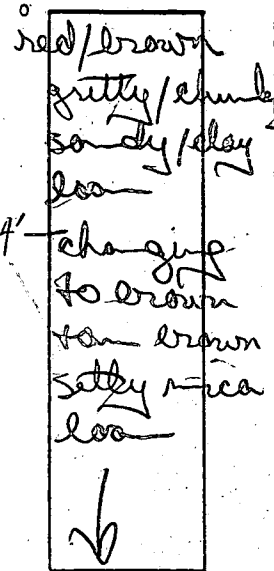
HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING for field location certified holes

THIS IS NOT A PERMIT

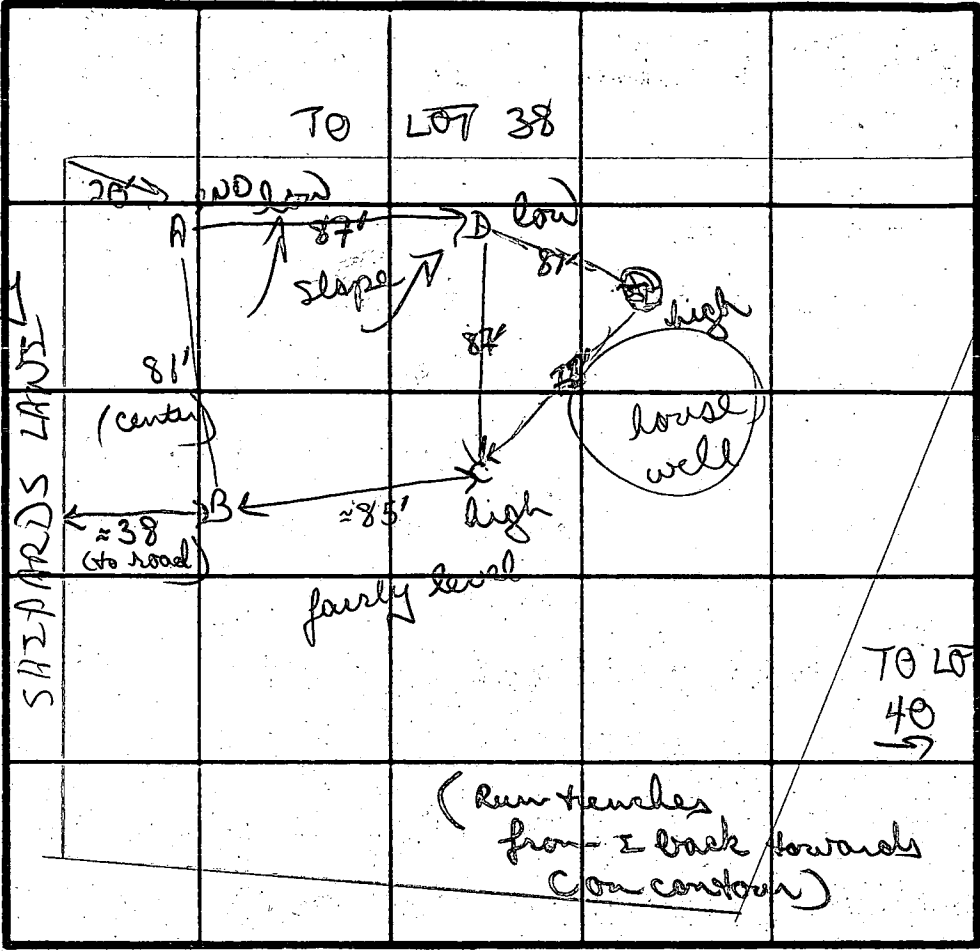
INLET 3"
 MAX 5'
 174 @ 60/room
 $\bar{X} = 3 \text{ m}^2$

SOIL PROFILE



c
 AP 2012 3 1/2"
 gritty orange brown sandy clay up to 4-5' gradual change to brown then tan powdery silty mica loam to hard bottom
 10' D

A
 mix powdery/chunky + gravelly chester loam
 3 1/2'
 to brown then grey brown silty mica loam
 9' hard



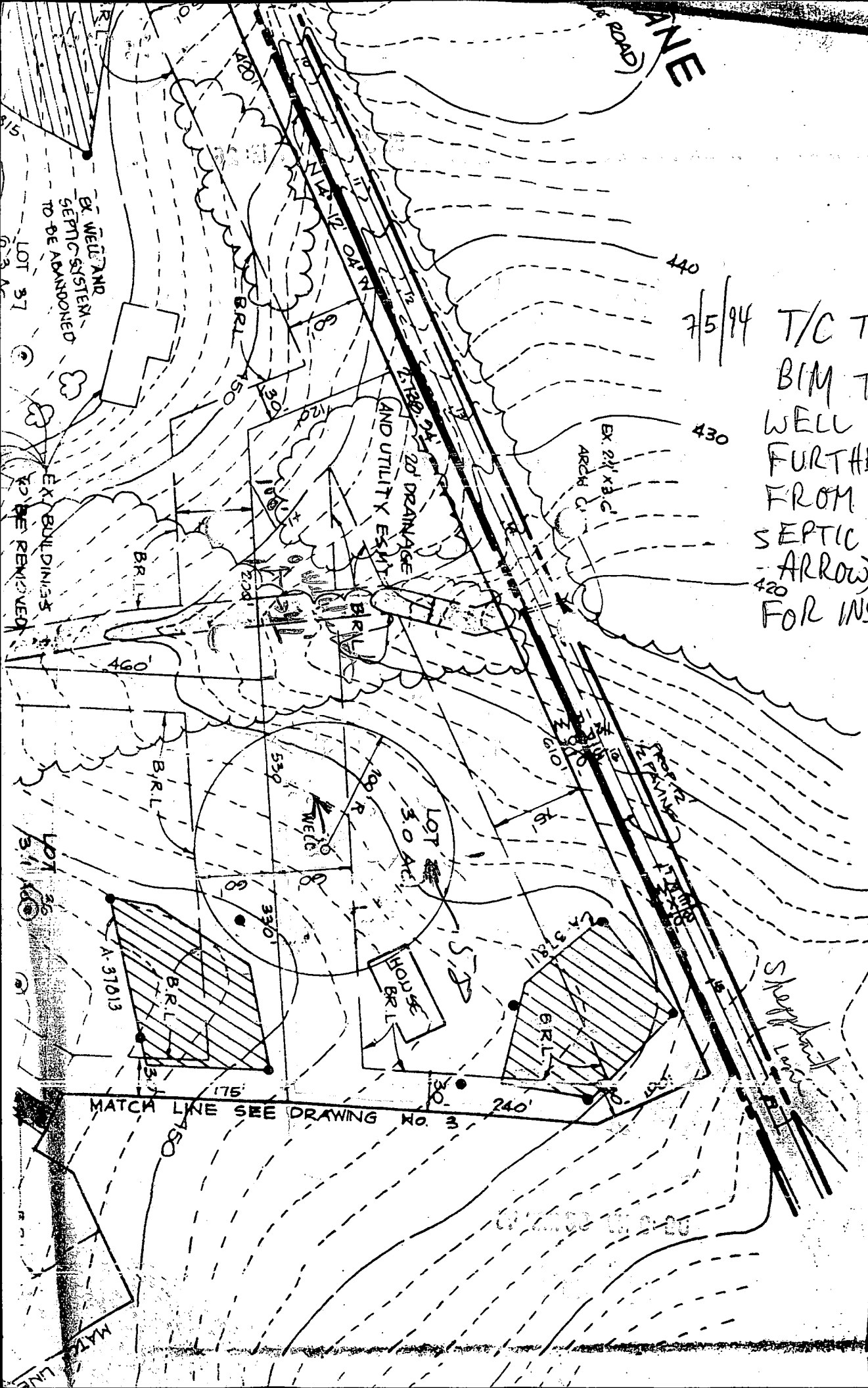
(PUBLIC RD "D" CT.)
 D
 Chester gravelly 1 1/2 - 6 1/2 ft from 5' down mix of brown & tan brown silty mica / sandy loam
 45% small rock - 10'
 12' D

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

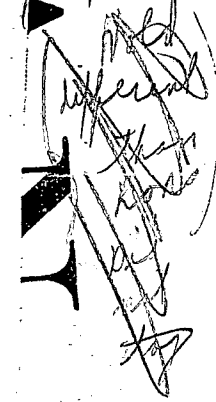
DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
	B	4' 5"	10 26	10 28	10 28	10 30	2 min	
		8' 11"	10 26	10 28	10 28	10 30	2 min	
		12' 0"	bottom (see profile)					
	C	3' 5"	10 34	10 37	10 34	10 41	4 min	
		10' 0"	bottom (see profile)					
	A	3 1/2'	10 40	10 42	10 42	10 45	3 min	
		9' 0"	bottom (hard)					
	D	3 1/2'	10 45	10 46	10 46	10 47	1 min	
		8'	10 45	10 46	10 48	10 48	2 min	
		12' 0"	bottom - see profile					
	E	4'	12 23	12 27	12 27	12 34	7 min	
		10 1/2'	bottom (see profile)					

(2)
 Chester gravelly 2-6 1/2' light tan silty mica loam 15% red silt frags on surface
 10 1/2'

REMARKS: SHALLOW SYSTEM DUE TO HARD BOTTOM (tested) as stated. < 10000 K as stated, Added extra hole
 TYPE OF SOIL: Chester gravelly, sandy clays 4', mostly silty mica loam
 TESTED BY: B. N. Ryan ALSO PRESENT: Jane



7/5/94 T/C TO JIM
 BIM TO MOVE
 WELL SITE
 FURTHER AWAY
 FROM ADJ.
 SEPTIC (AS PER
 ARROW) READY
 FOR INSP 7/6/94 MR



~~Sheppard Lane~~
 837-2080

Well
 100' up
 from corner
 + 41' in
 to lot
 towards
 Sheppard Lane

MATCH LINE SEE DRAWING NO. 3

EX. WELL AND
 SEPTIC SYSTEM
 TO BE ABANDONED

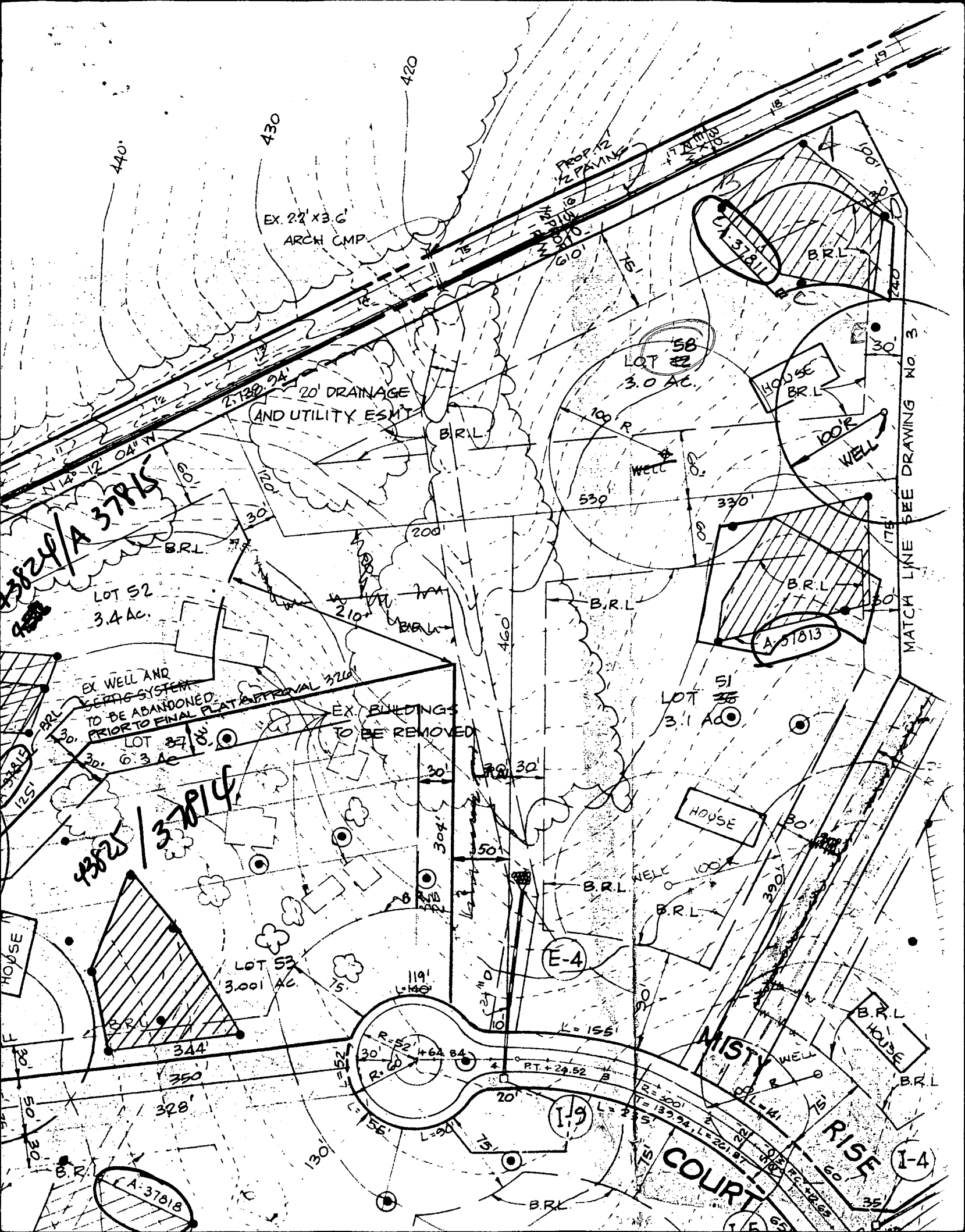
EX. BUILDINGS
 TO BE REMOVED

20' DRAINAGE
 AND UTILITY EASEMENT

HOUSE
 B.R.L.

Sheppard Lane

MATCH LINE



EX. 22' X 3.6' ARCH CMP.

20' DRAINAGE AND UTILITY ESMT

43824/A 37815
LOT 52
3.4 AC.

LOT 52
3.4 AC.

EX WELL AND SEPTIC SYSTEM TO BE ABANDONED PRIOR TO FINAL PLAT APPROVAL

EX BUILDINGS TO BE REMOVED

43825/37814

LOT 53
3.001 AC.

LOT 56
3.0 AC.

LOT 55
3.1 AC.

A-37811

A-37813

A-37818

E-4

I-9

I-4

MISTY RISE COURT

MATCH LINE SEE DRAWING NO. 3

