

LAYOUT 6/10/02 9AM INSP 4 \_\_\_\_\_  
 INSP 2 7/12/02 PM INSP 5 \_\_\_\_\_  
 INSP 3 \_\_\_\_\_ INSP 6 \_\_\_\_\_

*04-365666*

ISSUE DATE: 5/28/2002

P 516993

APPROVAL DATE: 7/12/02

A 59946-K

**PERMIT  
INDEXED**

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

Miller Excavating Company, Inc IS PERMITTED TO INSTALL  ALTER

ADDRESS: 18115 Sellman Road, Dickerson PHONE NUMBER: 301-349-4400

SUBDIVISION: Westwoods at Cherry Grove LOT NUMBER: 15

ADDRESS: 16905 Old Saw Mill Road PROPERTY OWNER: D. R. Horton, Inc.

SEPTIC TANK CAPACITY (GALLONS): 1250 OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): N/A COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: 180

LINEAR FEET OF TRENCH REQUIRED: 240 HOUSE SERVED BY PUBLIC WATER

|           |   |
|-----------|---|
| TRENCHES: | Trench to be 3.0 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: | Place the distribution box midway between the upper easement corner stakes. Run trenches on contour in both directions.   |
| NOTES:    |   |

PLANS APPROVED: Brian Baker <sup>(16) 3/12/02</sup> DATE: 2/26/2002

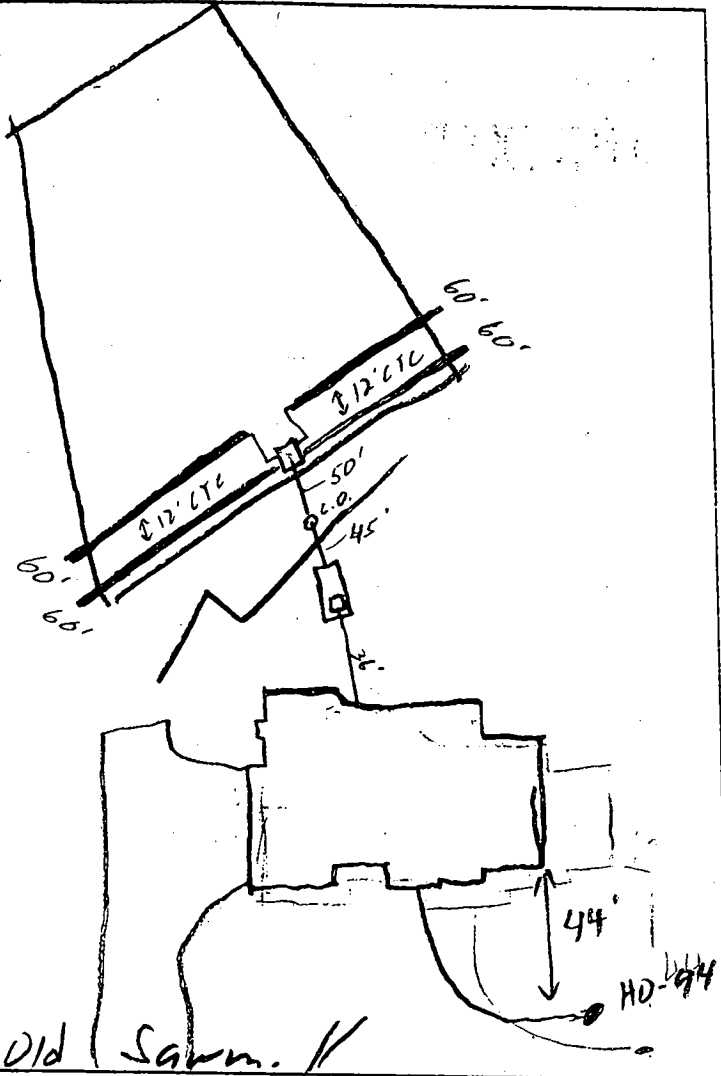
NOTES: PERMIT VOID AFTER 2 YEARS  
 CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS  
 WATERTIGHT SEPTIC TANKS REQUIRED  
 ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED  
 MANHOLE RISERS REQUIRED ON ALL SEPTIC 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**

**BUILDING PERMIT SIGNED  
 AND RETURNED 7-30-02  
 800137640-UG PROPANE TANK**

*AS9946K*

NOT TO SCALE



Old Sawn. //

**TRENCH DATA**

TRENCH WIDTH 3'  
 TRENCH INLET DEPTH 3'  
 TRENCH BOTTOM DEPTH 5'  
 DEPTH OF STONE 2'  
 NUMBER OF TRENCHES 4  
 TOTAL TRENCH LENGTH 240'  
 ABSORBENT AREA 7204  
 DISTRIBUTION BOX LEVEL ✓  
 BAFFLE IN DISTRIBUTION BOX ✓

**SEPTIC TANK DATA**

SEPTIC TANK 1500 TS GALLONS  
 MANHOLE RISER Front  
 6 INCH INSPECTION PORT ✓

**PUMP CHAMBER DATA**

PUMP CHAMBER GALLONS N/A  
 MANHOLE RISER N/A  
 ALARM ✓  
 PUMP PERFORMANCE TEST ✓

PRE-CONSTRUCTION INSPECTION: 7/8/02 Lot staked, house loan changed Install //

(4) 60's w/ DB in middle OK to run trench 5-7' out of SRA (60)

INSPECTION COMMENTS: 7/12/02 OK to cover s// work (60)

INSPECTOR

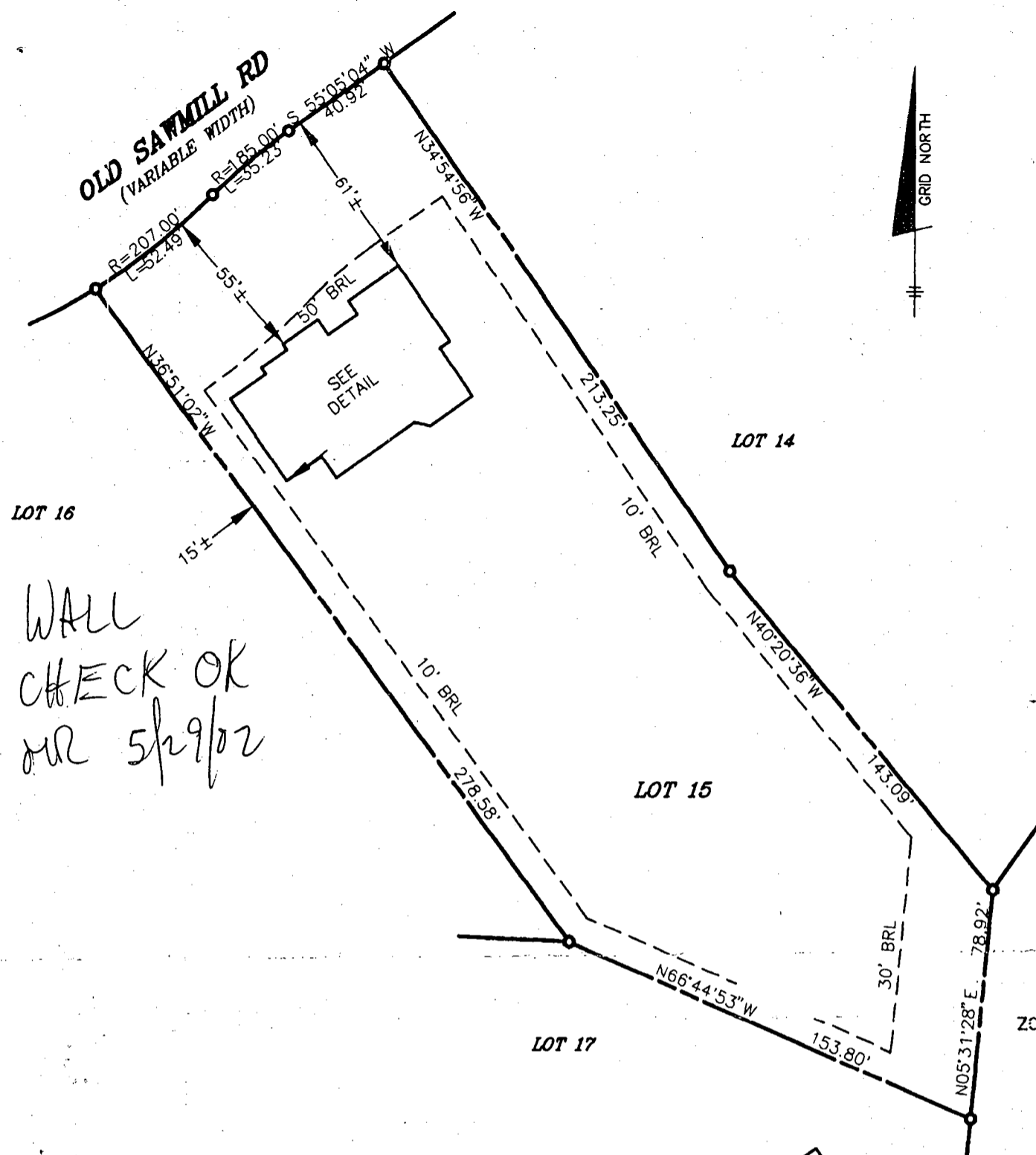
*[Handwritten Signature]*

DATE SYSTEM APPROVED

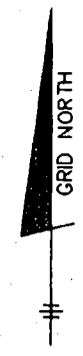
*[Handwritten Signature]*

BUILDING DEPARTMENT





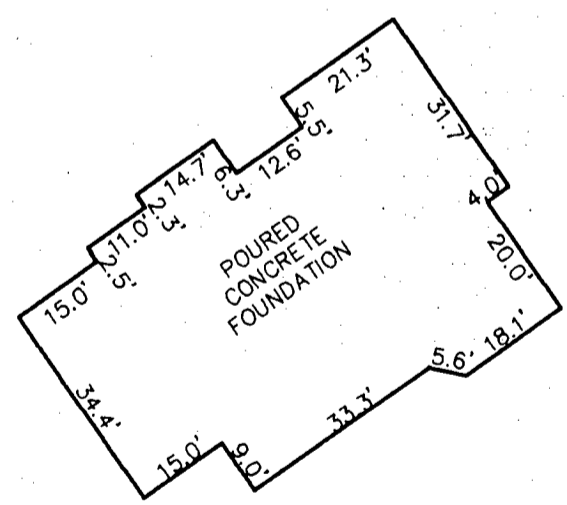
WALL  
CHECK OK  
MR 5/29/02



TOP OF FOUNDATION WALL ELEV. = 626.2'  
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 APRIL 4, 2002; AND THAT THE PROPERTY OUTLINE SHOWN HEREON IS BASED ON THE PLAT PREPARED BY R.M. MOCHI GROUP, P.C. ENTITLED "THE WEST WOODS OF CHERRY GROVE", AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY AS PLAT No. 14810



**FOUNDATION DETAIL**

SCALE: 1" = 30'

**WALL CHECK**

**THE WESTWOODS OF CHERRY GROVE**

LOT No. 15

16905 OLD SAWMILL ROAD

4TH ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

SCALE: 1" = 50' DATE: 4-4-02

DRAWN BY: KLD

*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. 14810  
FEMA FIRM No. 240044-0013 B  
ZONE: C  
DATED: 12/04/86

**BENCHMARK ENGINEERING, INC.**

8480 BALTIMORE NATIONAL PIKE A SUITE 418  
ELLCOTT CITY, MARYLAND 21043  
phone: 410-483-8105 A fax: 410-483-8844  
email: Benchmark@eol.com



5/23/02  
AM

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: Ben Lewis Inc Telephone #: 301 425 3900  
Address: 23407 Frobenius Rd  
Clarksburg, MD

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer  
License # and name of individual responsible for the field installation:  
Name (Print): Frank Clark License# 17867  
\*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: DK Neston Telephone #: 301 670 6144  
Subdivision: Clay Brook Lot #: 15 Well Tag #: HO-94-2775  
Site Address: 16905 Old Sawmill Ct  
Woodbine, MD

Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit  
Make: Smith Make: Campbell Two piece watertight cap:   
Model #: \_\_\_\_\_ Model#: \_\_\_\_\_ Screened, vented well cap:   
Pump Capacity: 13 GPM Depth: 42 (36" min) Cap secured to casing:   
Well Yield: 4 GPM NSF approved: \_\_\_\_\_ Conduit min 18" B.G.:   
Depth of well encountered at time of pump installation: 291 (feet) Conduit secured to well cap:   
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4  
League arrestors or Cable guards are required - Must circle one  
Safety rope, if used, attached to inside of well casing with eye bolt

Piping to house House Connection  
Type: 1/2" BK 1" FVC sleeved to undisturbed soil at wall penetration:   
PSI: 200 (160 psi min) Approximate length of sleeve: 76  
Depth of supply line: 36 (36" min) 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.

W. Messer 5/23/02  
Signature of company representative responsible for installation date

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

Date Insp. Requested: 5/23/02 Date Insp. Approved: 7/31/02 (50) SRK  
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

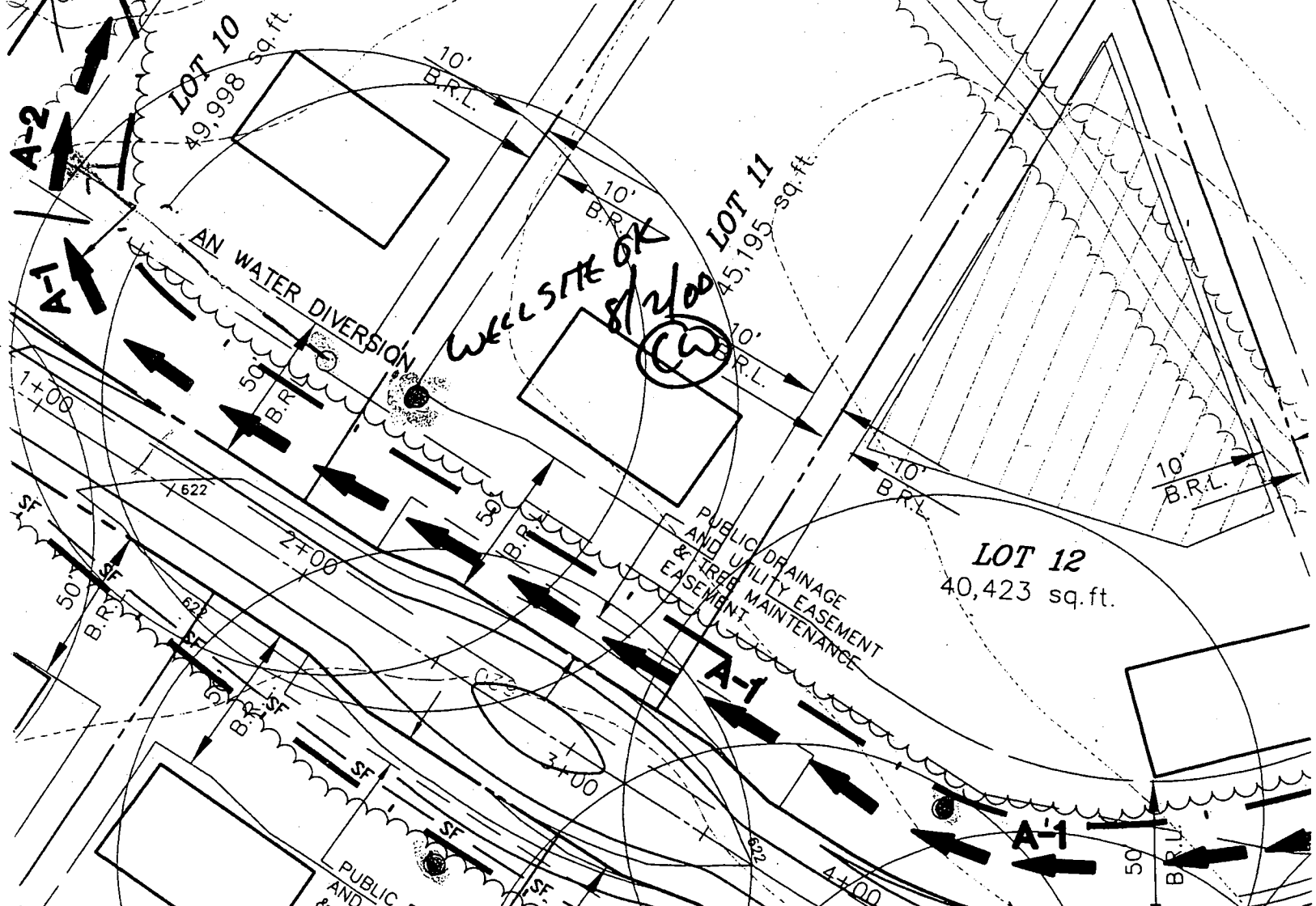
*[Handwritten notes and signatures at the bottom of the page]*



SELECTED TREE REMOVAL  
AREA FOR SIGHT DISTANCE  
L=158.95  
R=810.68

Nichols  
Zoning RC-DEU  
8.50 Ac.  
N05°31'28"

S 35°34'19" W 167.24'

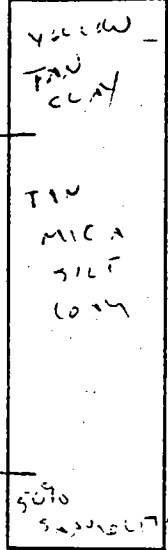


3030

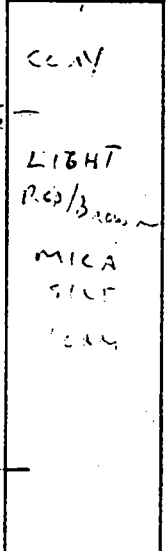
1946

COUNTY #

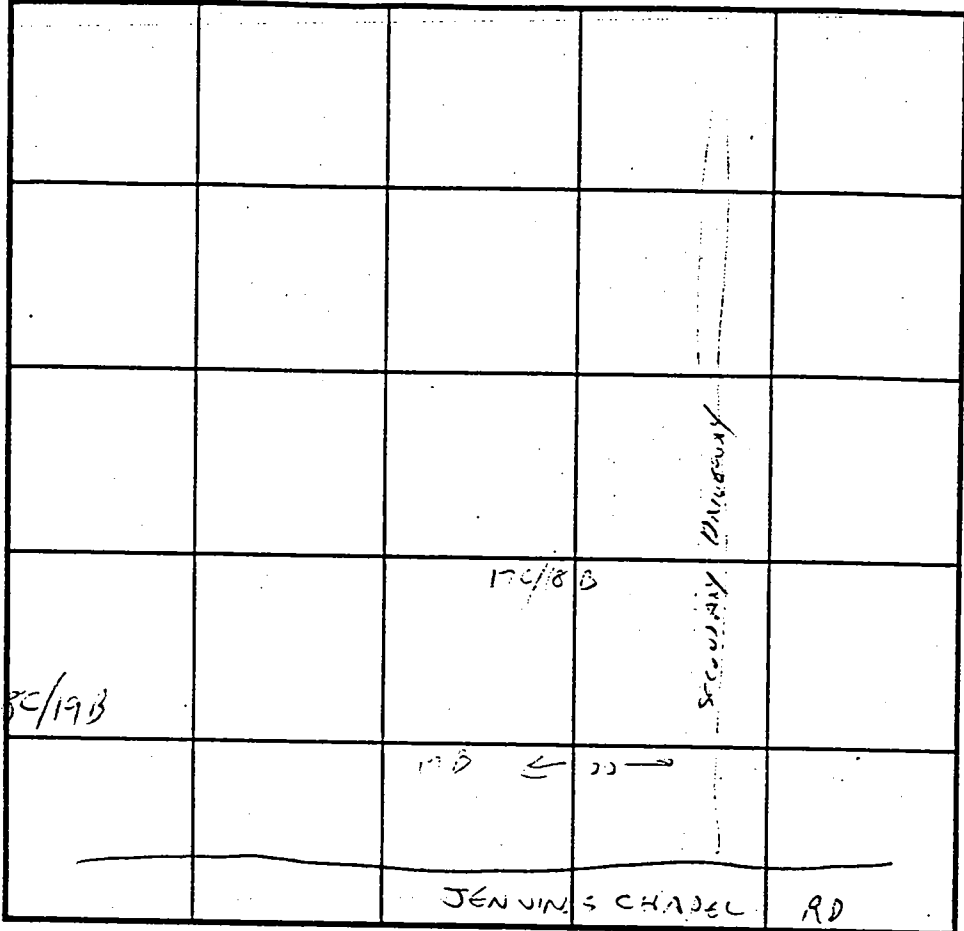
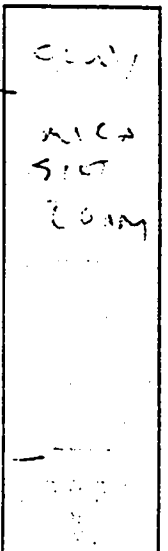
SOIL PROFILE  
17B



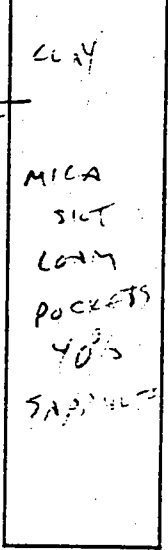
17C/18B + 18C/19B



18C/20A



SOIL PROFILE  
200/21A



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

| DATE    | TEST NO. | DEPTH | PRE-WET |      | TEST - 1" DROP |      | TIME  |
|---------|----------|-------|---------|------|----------------|------|-------|
|         |          |       | START   | STOP | START          | STOP |       |
| 4/16/98 | 17B      | 3 1/2 | 4:00    | 4:03 | 4:03           | 4:07 | 4 MIN |
|         | 17C/18B  | 3 1/2 | 4:03    | 4:06 | 4:06           | 4:11 | 5 MIN |
|         | 18C/19B  | 3 1/2 | 4:04    | 4:06 | 4:06           | 4:09 | 3 MIN |
|         | 18C/20A  | 3 1/2 | 4:13    | 4:15 | 4:15           | 4:18 | 3 MIN |
|         | 200/21A  | 3 1/2 | 4:11    | 4:14 | 4:14           | 4:18 | 4 MIN |

REMARKS \_\_\_\_\_

TYPE OF SOIL \_\_\_\_\_

TESTED BY C. Williams ALSO PRESENT SHARP

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

NICHOLS SUBD.

158946

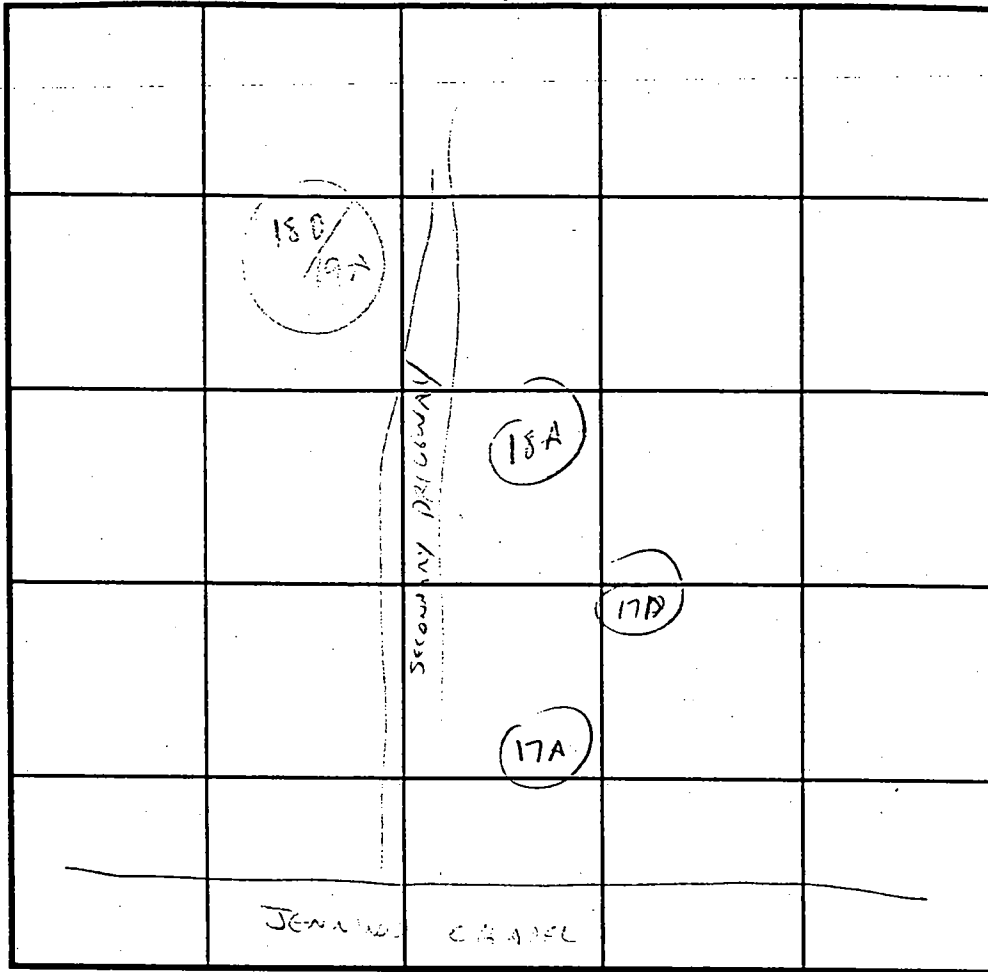
COUNTY #

SOIL PROFILE

17A & 17D

SOIL PROFILE

0'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

CLAY  
 Red Brown  
 +  
 TAU  
 MICA  
 SILT  
 COIN  
 pockets  
 30%  
 SAPPHIRE  
 LITTLE  
 DEPTHS

18A

Brown  
CLAY

TAU  
 MICA  
 SILT  
 COIN

50%  
SAPPHIRE

MICA  
 COIN  
 LITTLE SAPPHIRE

180/19A

CLAY

LT Brown  
 MICA  
 COIN  
 50%

SAPPHIRE

| DATE   | TEST NO.  | DEPTH | PRE-WET |      | TEST - 1" DROP |      | TIME |
|--------|-----------|-------|---------|------|----------------|------|------|
|        |           |       | START   | STOP | START          | STOP |      |
| 4/6/08 | ✓ 17A     | 4'    | 4:00    | 4:02 | 4:02           | 4:05 | 3min |
|        | ✓ 17D     | 4'    | 3:59    | 4:01 | 4:01           | 4:04 | 3min |
|        | ✓ 18A     | 4     | 3:58    | 3:59 | 3:59           | 4:01 | 2min |
|        | ✓ 180/19A | 3 1/2 | 3:50    | 3:58 | 3:58           | 4:00 | 3min |

REMARKS

TYPE OF SOIL

TESTED BY

Cwill

ALSO PRESENT

SHALP

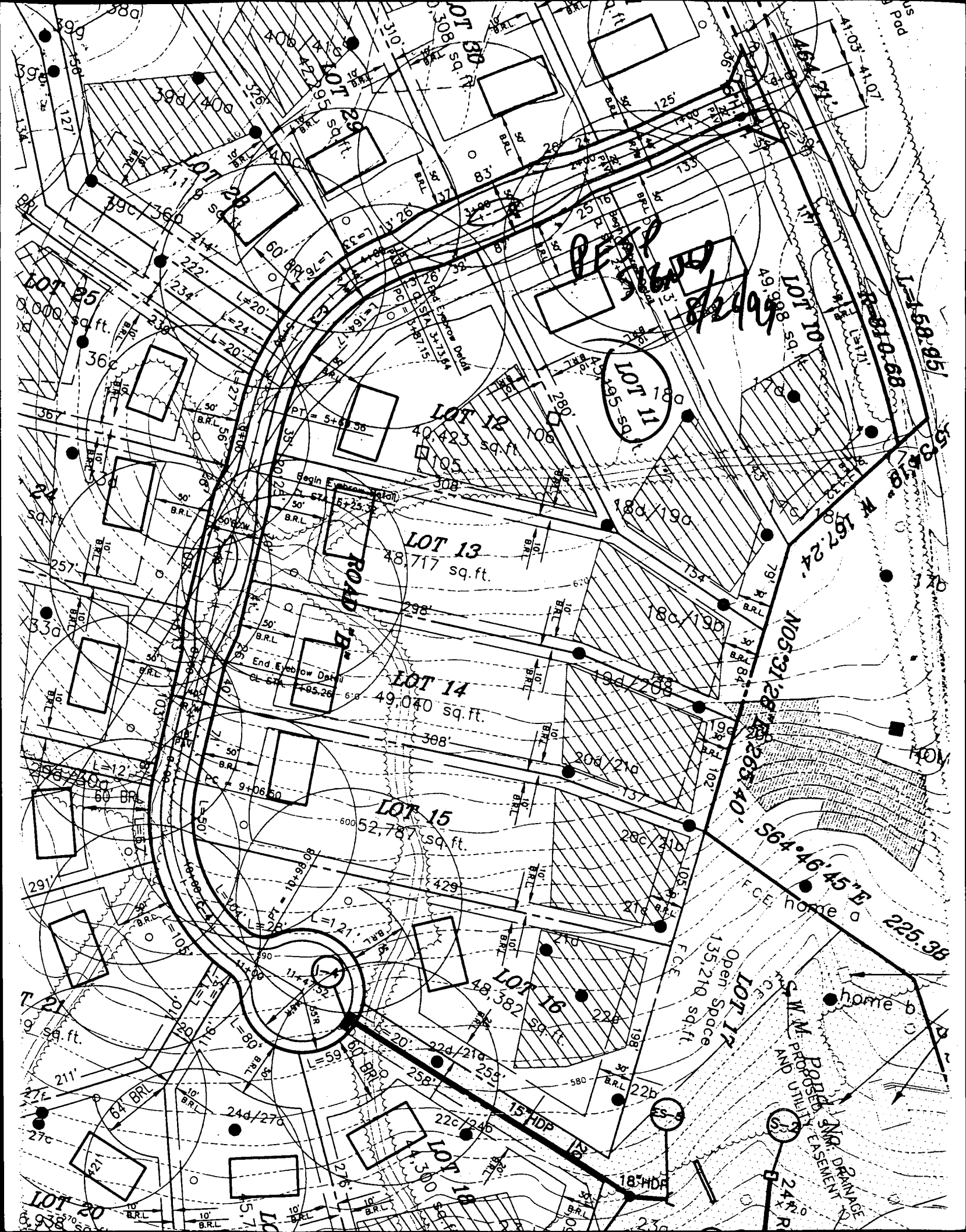
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM





|      |
|------|
| FC24 |
| FC25 |
| FC26 |
| FC27 |
| FC28 |
| FC29 |
| FC30 |
| FC31 |
| FC32 |
| FC33 |
| FC34 |
| FC35 |
| FC36 |

| CURVE | FROM | TO | RADIUS | LENGTH | TANGENT | CH |
|-------|------|----|--------|--------|---------|----|
|       | 58   | 59 | 810.68 | 158.95 | 79.73   |    |
|       | 87   | 20 | 130.00 | 146.32 | 82.01   |    |
|       | 20   | 19 | 25.00  | 27.67  | 15.44   |    |
|       | 19   | 18 | 55.00  | 279.48 | 37.70   |    |
|       | 18   | 17 | 25.00  | 22.41  | 12.02   |    |
|       | 17   | 62 | 170.00 | 202.09 | 114.91  |    |
|       | 88   | 60 | 780.68 | 171.19 | 85.94   |    |
|       | 77   | 78 | 185.00 | 35.23  | 17.67   |    |
|       | 78   | 79 | 207.00 | 78.85  | 39.91   |    |
|       | 79   | 80 | 185.00 | 35.23  | 17.67   |    |
|       | 81   | 82 | 180.00 | 164.17 | 88.29   |    |
|       | 83   | 84 | 185.00 | 35.23  | 17.67   |    |
|       | 84   | 85 | 207.00 | 78.85  | 39.91   |    |
|       | 85   | 86 | 185.00 | 35.23  | 17.67   |    |
|       | 63   | 64 | 185.00 | 35.23  | 17.67   |    |
|       | 64   | 65 | 207.00 | 78.85  | 39.91   |    |
|       | 65   | 66 | 185.00 | 35.23  | 17.67   |    |
|       | 67   | 68 | 220.00 | 200.65 | 107.91  |    |
|       | 69   | 70 | 185.00 | 35.23  | 17.67   |    |
|       | 70   | 71 | 207.00 | 78.85  | 39.91   |    |
|       | 71   | 72 | 185.00 | 35.23  | 17.67   |    |

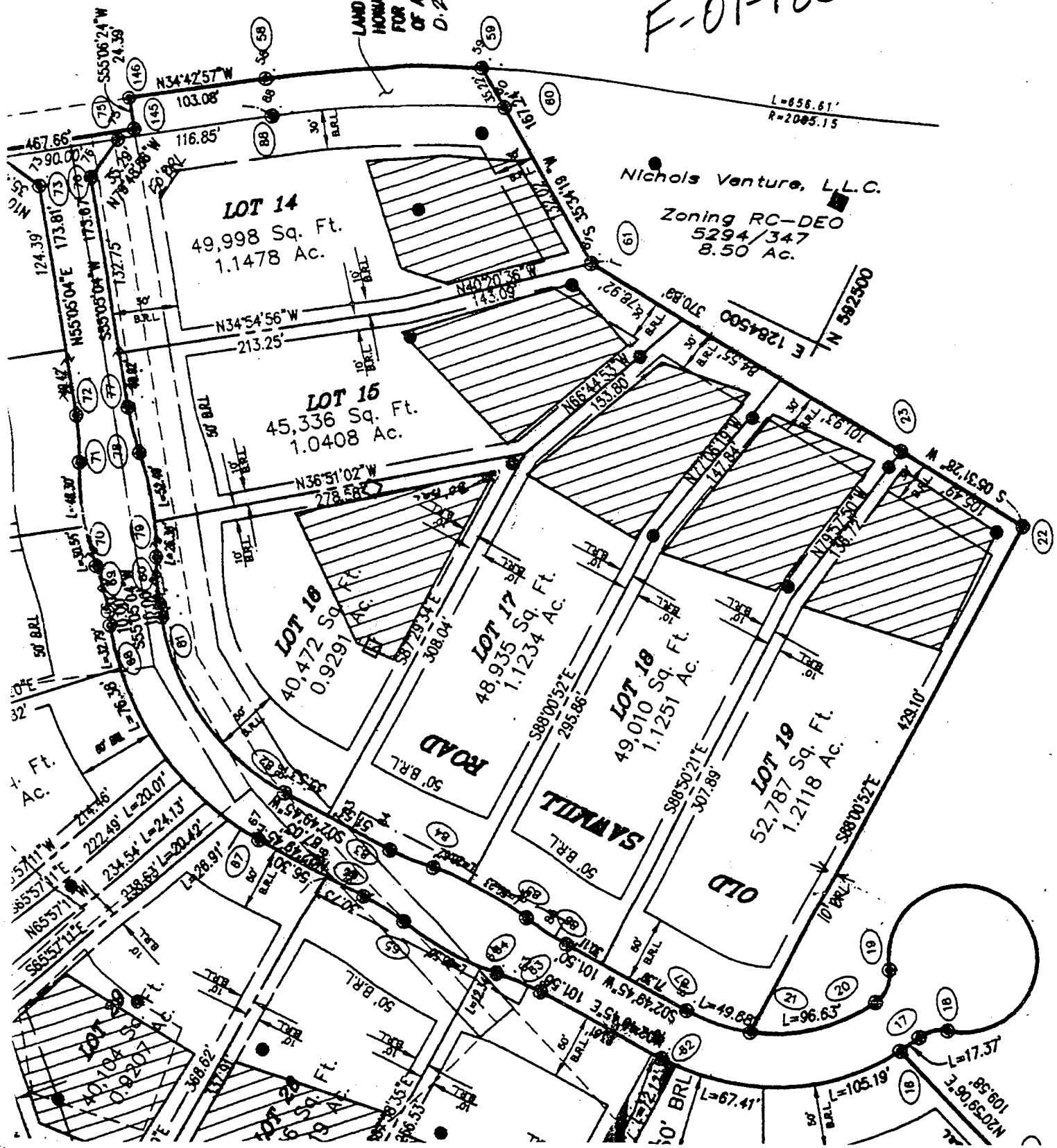
RECORDED  
DATED \_\_\_\_\_  
AMONG THE  
HOWARD COUNTY

Grace C. Nichols  
2090/403  
P. 46  
Zoning RC-DEO  
9. Preservation Parcel MALPF  
No. 13-04-80-04-Box2

LOCAL ROAD  
**CHAPEL ROAD**

LAND DEDICATED TO  
HOWARD COUNTY, MD  
FOR THE PURPOSE  
OF A PUBLIC ROAD  
0.23 Ac.

F-01-105



The Westwoods of



B 1 5967

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

STATE PERMIT NUMBER

Ho - 94 - 2775

10/5/14/15/14 please print or type

fill in this form completely

Date Received (APA)

OWNER INFORMATION

8 MM DD YY 13

Crovermont Development LLC

P.O. Box 417

Ellicott City Md 21041

DRILLER INFORMATION

Joseph L. Mayne MS DO24

Joseph L. Mayne Well Drilling

5512 Ridge Rd Mt. Airy 21771

Joseph L. Mayne 7/26/2000

LOCATION OF WELL

Howard 8 COUNTY

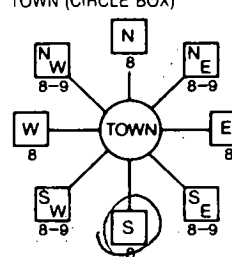
The Westwoods of Cherry Grove

SECTION 44 LOT 15

Lisbon

5 MILES FROM TOWN

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Old Sawmill Rd

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 50 37

DISTANCE FROM ROAD ENTER FT OR MI

TAX MAP: BLK: PARCEL:

WELL INFORMATION

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

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

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 13 COUNTY NAME COUNTY NO.

DATE ISSUED 08 09 00

08 09 00 Cig Wilton 8/8/00

NORTH GRID 532 000 EAST GRID 0772 000

APPROXIMATE DEPTH OF WELL 300 FEET

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)

- 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 DEEPEM AN EXISTING WELL

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

APPROP. PERMIT NUMBER

PERMIT No. Ho 94 2775

SPECIAL CONDITIONS

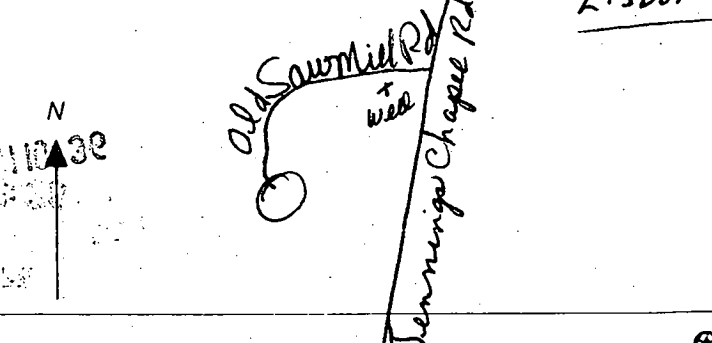
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

- SOURCES OF DRILLING WATER
1. Well
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 7702 N 5302

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



10/10/00
GROUT 10:10
NO INSP