

12/2/97  
WPT + C.O.  
pm

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 59231

A 48740

DISTRICT 3rd

DATE 11/25/97

DATE SYSTEM APPROVED 12/2/97

INSPECTOR M. R. F. K. N.

#### HOWARD COUNTY HEALTH DEPARTMENT

##### BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXX~~ 410-313-2640

INDEXED

WTC Inc.

IS PERMITTED TO INSTALL X ALTER

ADDRESS 1820 Gillis Falls Rd., Woodbine, 21797 PHONE 410-489-4457

SUBDIVISION W. Friendship Estates LOT 81 ROAD 3308 Velvet Valley Drive

PROPERTY OWNER Mr. and Mrs. Richard Duff

ADDRESS

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 4 feet below original grade. Bottom maximum depth 6 feet below original grade. Effective area begins at 4 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Begin trenches 160 feet up the right (320.79') lot line and 10 feet off that same lot line as seen when facing the lot from Velvet Valley Drive. Run trenches on contour toward the left 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. 9/29/97 OK ALM

PLANS APPROVED BY Amy McMillen/Glen Savage DATE 09/24/97

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

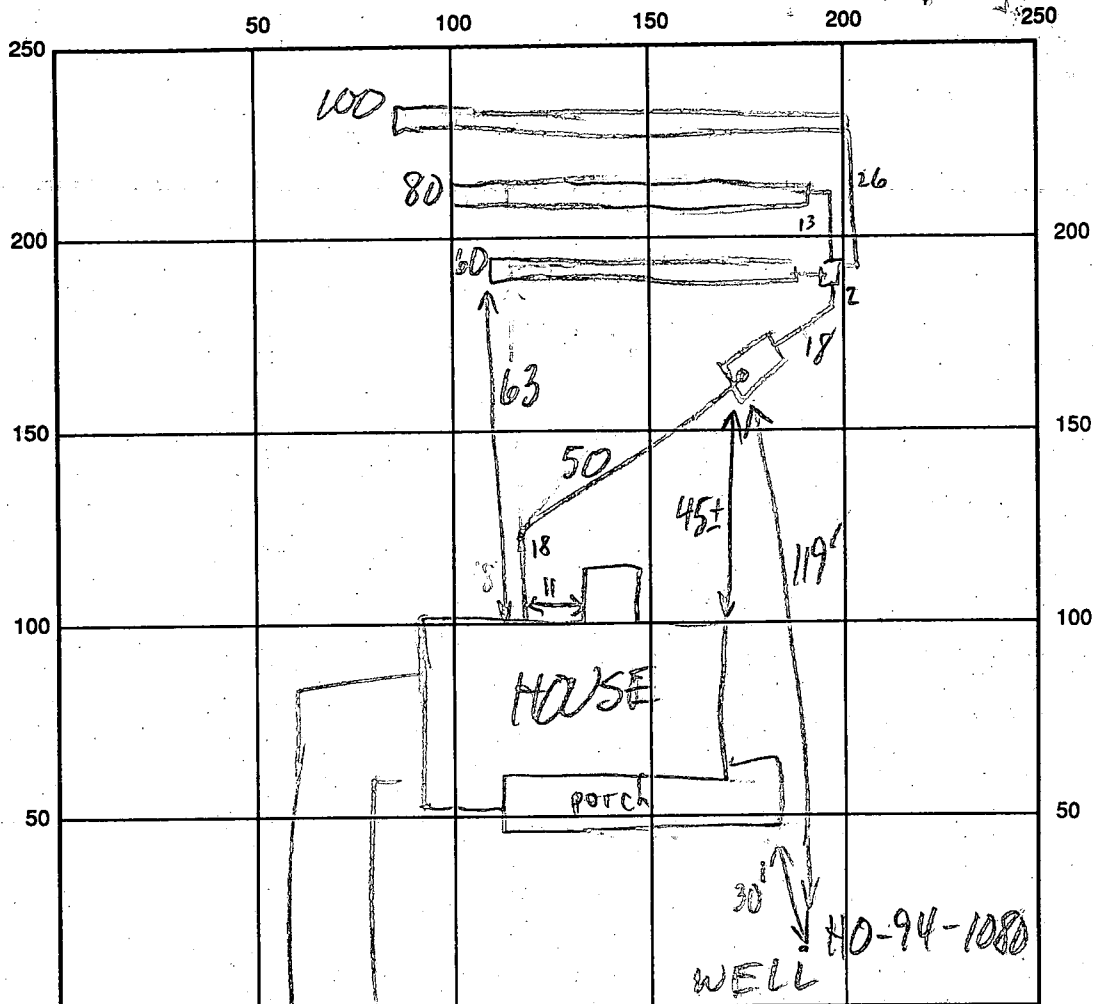
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

PERMIT 59231  
AND RETURNED 9-25-98  
Smith 410-489-4457

A  
48740



VELVET VALLEY DR

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 1250 GAL

CLEANOUTS S.T. - OK

DISTRIBUTION BOX LEVEL OK-BAFFLE IN

DRAIN FIELD/TITLE DEPTH 6 FT.

TRENCH WIDTH 3 FT.

INLET DEPTH 4 FT.

EFFECTIVE GRAVEL DEPTH 2 FT.

TOTAL LENGTH 060 @ 80 @ 100

NUMBER OF TRENCHES 3

ONE SIDEWALL/BOTTOM AREA 0180 @ 240 @ 300 SQ. FT.

DRYWALL INSIDE DIAMETER — FT.

EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA 720 SQ. FT.

REMARKS: 12/2/87 OK TO COVER ALL

12/2/97 WPI OK 2 PC CAP OK (MR)

DATE SYSTEM APPROVED 12/2/97

INSPECTOR M. Rifkin

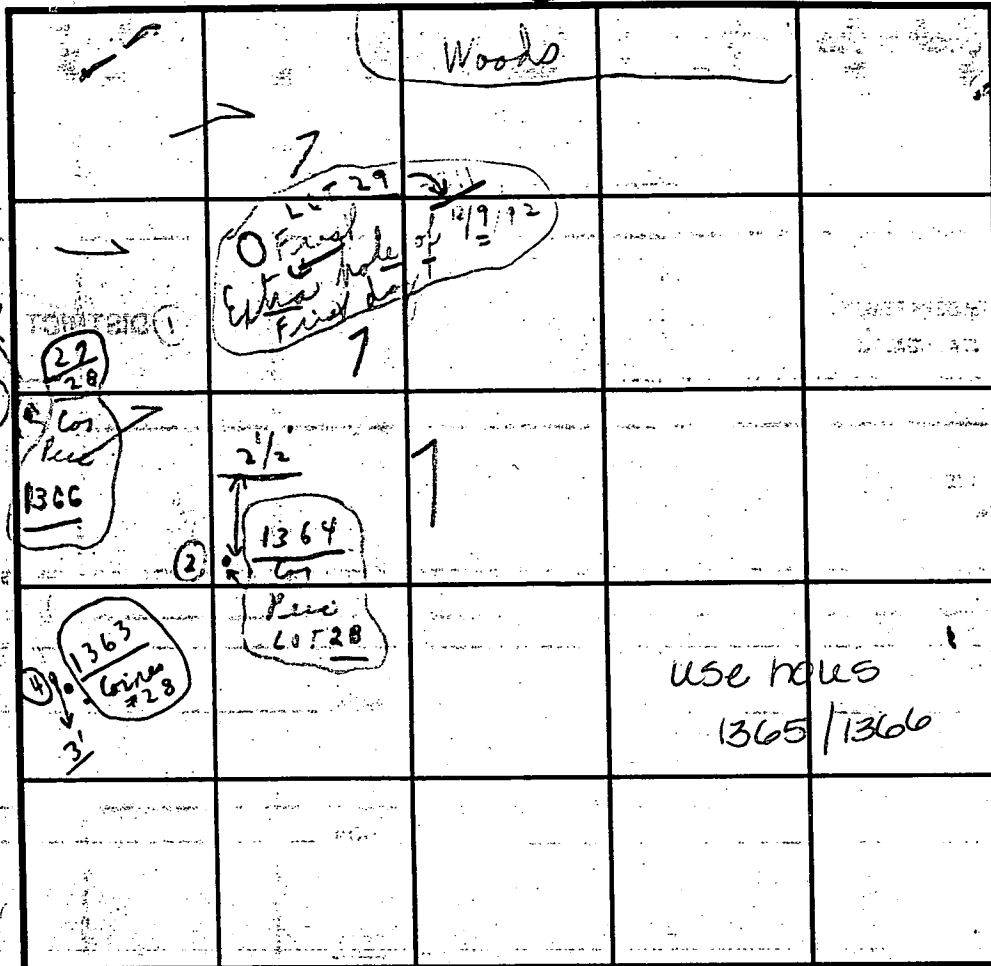
Some of 29 LOTY Lot 28  
48741

W 95

COUNTY #

SOIL PROFILE

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

| DATE     | TEST NO. | DEPTH         | PRE-WET                        |       | TEST - 1" DROP |       | TIME  |
|----------|----------|---------------|--------------------------------|-------|----------------|-------|-------|
|          |          |               | START                          | STOP  | START          | STOP  |       |
| 12/15/92 | # (1)    | 4' 4"         | 9:37                           | 9:39  | 9:39           | 9:43  | 4 min |
| True     | # 1366   | 12 1/2'       | Loam - lighter                 |       | 10%            | 10%   |       |
| Killish  | # (2)    | 6'            | 9:39                           | 9:40  | 9:40           | 9:41  | 1 min |
| Loam     | # 1364   | 12'           | No stone - Loam                |       | all            | all   |       |
|          | # 1365   | 13'           | 10:30                          | 10:32 | 10:32          | 10:35 | 3 min |
|          | # (3)    | 8' →          | 10:30                          | 10:33 | 10:33          | 10:37 | 4 min |
|          | # (4)    | 0' to 6' Clay | Loam 6' to 10'-10"             |       |                |       |       |
|          | # 1363   | 10'-10"       | Harder (Visual similar to (2)) |       |                |       |       |
|          |          |               |                                |       |                |       |       |
|          |          |               |                                |       |                |       |       |
|          |          |               |                                |       |                |       |       |

REMARKS

TYPE OF SOIL

TESTED BY

ALSO PRESENT

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

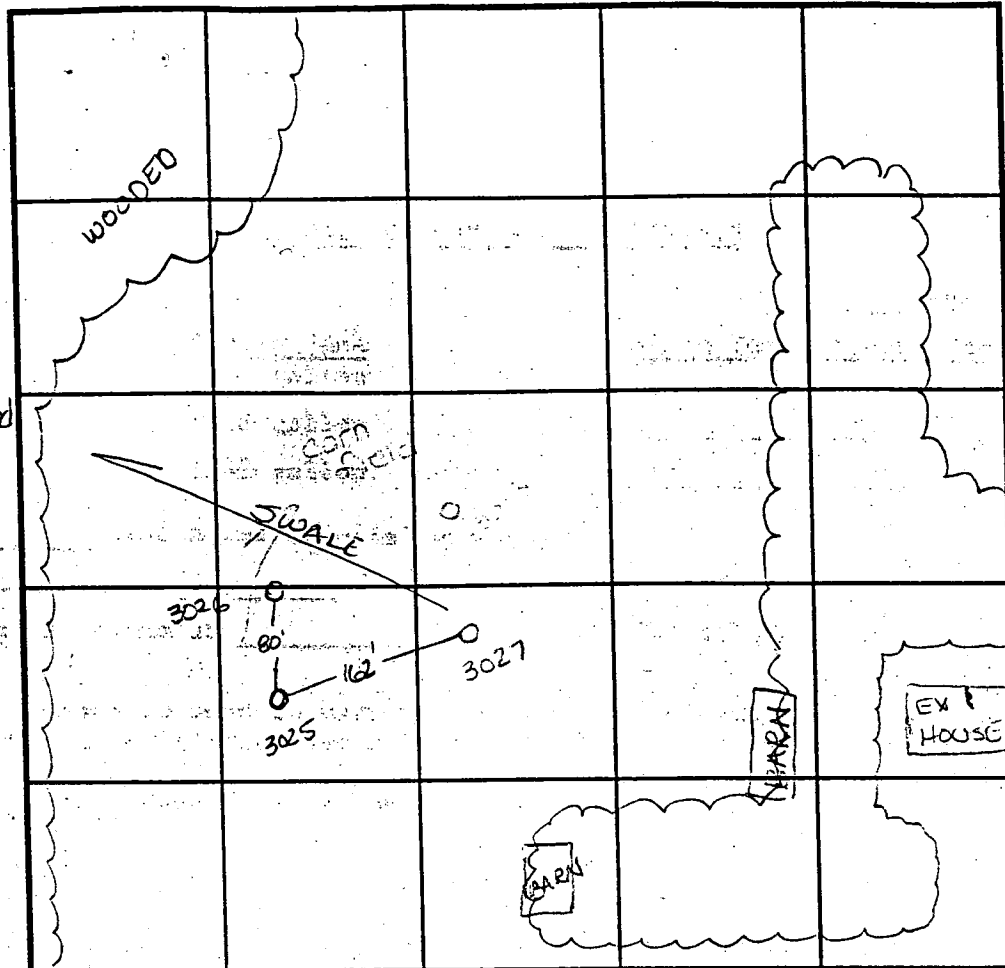
SQ. FT./BEDROOM

180 ft<sup>2</sup>

LOT 80

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                |           |
| 3-15-95 | 3025     | 5' VII' | 11:10 <sup>15</sup> | 11:11               | 11:11               | 11:12 <sup>30</sup> | 1 1/2 min |
|         | 3025     | repour  | 11:13               | 11:14 <sup>45</sup> | 11:14 <sup>45</sup> | 11:17               | 2 1/4 min |
|         | 3026     | 5' VII' | 12:22 <sup>30</sup> | 12:26               | 12:26               | 12:36               | 10 min    |
|         |          |         |                     |                     |                     |                     |           |
|         |          |         |                     |                     |                     |                     |           |
|         |          |         |                     |                     |                     |                     |           |
|         |          |         |                     |                     |                     |                     |           |
|         |          |         |                     |                     |                     |                     |           |
|         |          |         |                     |                     |                     |                     |           |
|         |          |         |                     |                     |                     |                     |           |
|         |          |         |                     |                     |                     |                     |           |

REMARKS

TYPE OF SOIL

TESTED BY Amy McMillen ALSO PRESENT Olan K. Herman

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

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

15' LE  
rk  
cd  
brn  
CSIL  
4'  
yellow  
red  
spotted  
SIL  
very decayed  
suprolite  
10'  
very light  
pink  
SISL  
11'  
3026  
bright  
red  
CSIL  
4'  
yellow  
and red  
spotted  
SIL  
6'  
lgt pink  
SISL  
100%  
decayed  
pink &  
yellow  
shale  
11'

LOT 81

COUNTY #

SOIL PROFILE

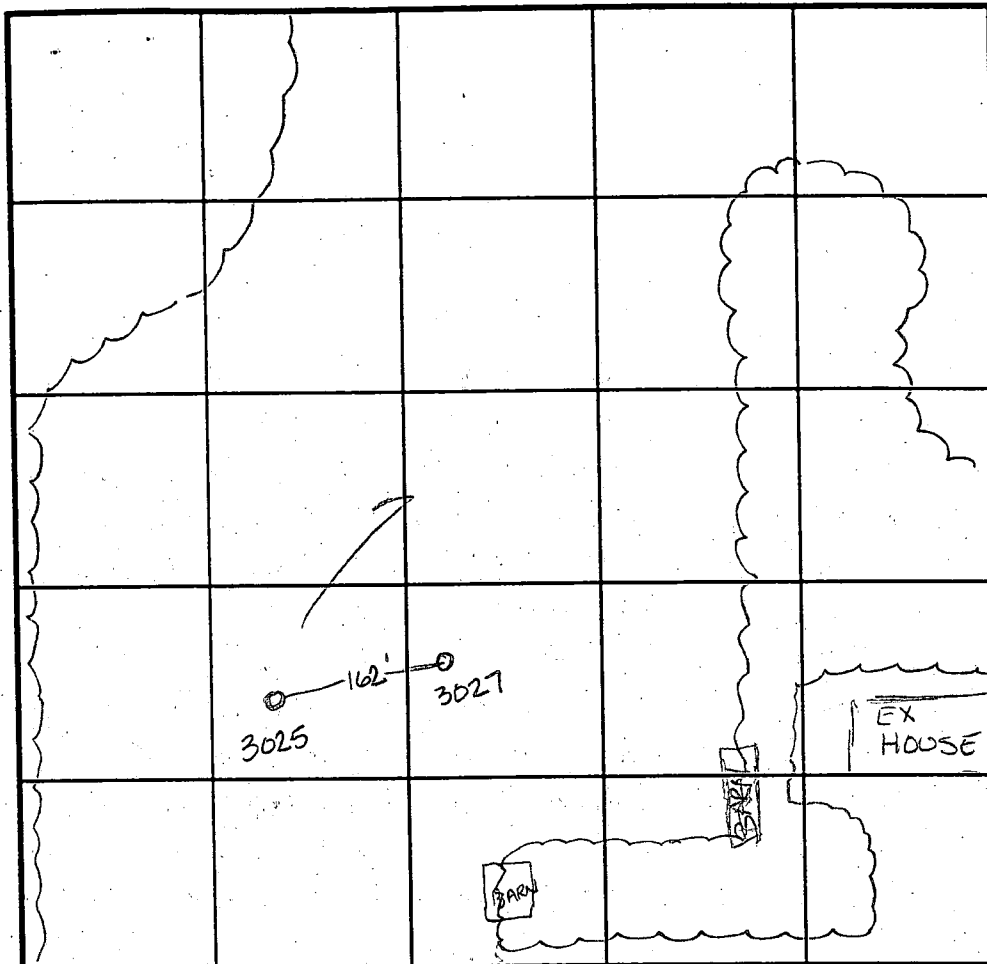
3027

bright  
red  
CSil

brn  
red  
Sil  
Some  
Sand  
S&O  
rock  
frag  
yellow  
spots  
from  
rock

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                |           |
| 3-15-95 | 3027     | 4.5'<br>VII' | 11:01   | 11:02 <sup>13</sup> | 11:02 <sup>15</sup> | 11:04 <sup>30</sup> | 2 1/4 min |
|         |          |              |         |                     |                     |                     |           |
|         |          |              |         |                     |                     |                     |           |
|         |          |              |         |                     |                     |                     |           |
|         |          |              |         |                     |                     |                     |           |
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|         |          |              |         |                     |                     |                     |           |
|         |          |              |         |                     |                     |                     |           |
|         |          |              |         |                     |                     |                     |           |

REMARKS \_\_\_\_\_

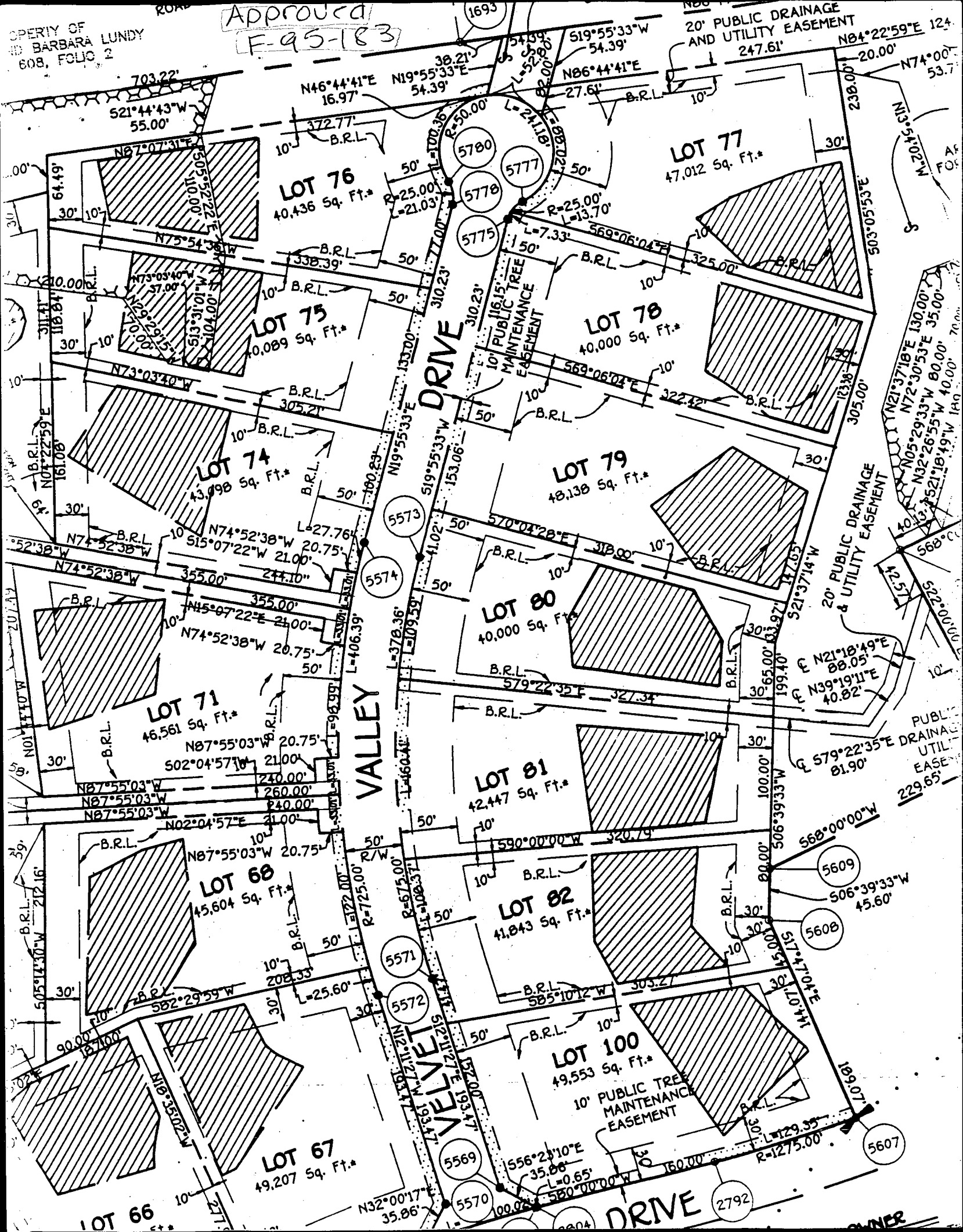
TYPE OF SOIL \_\_\_\_\_

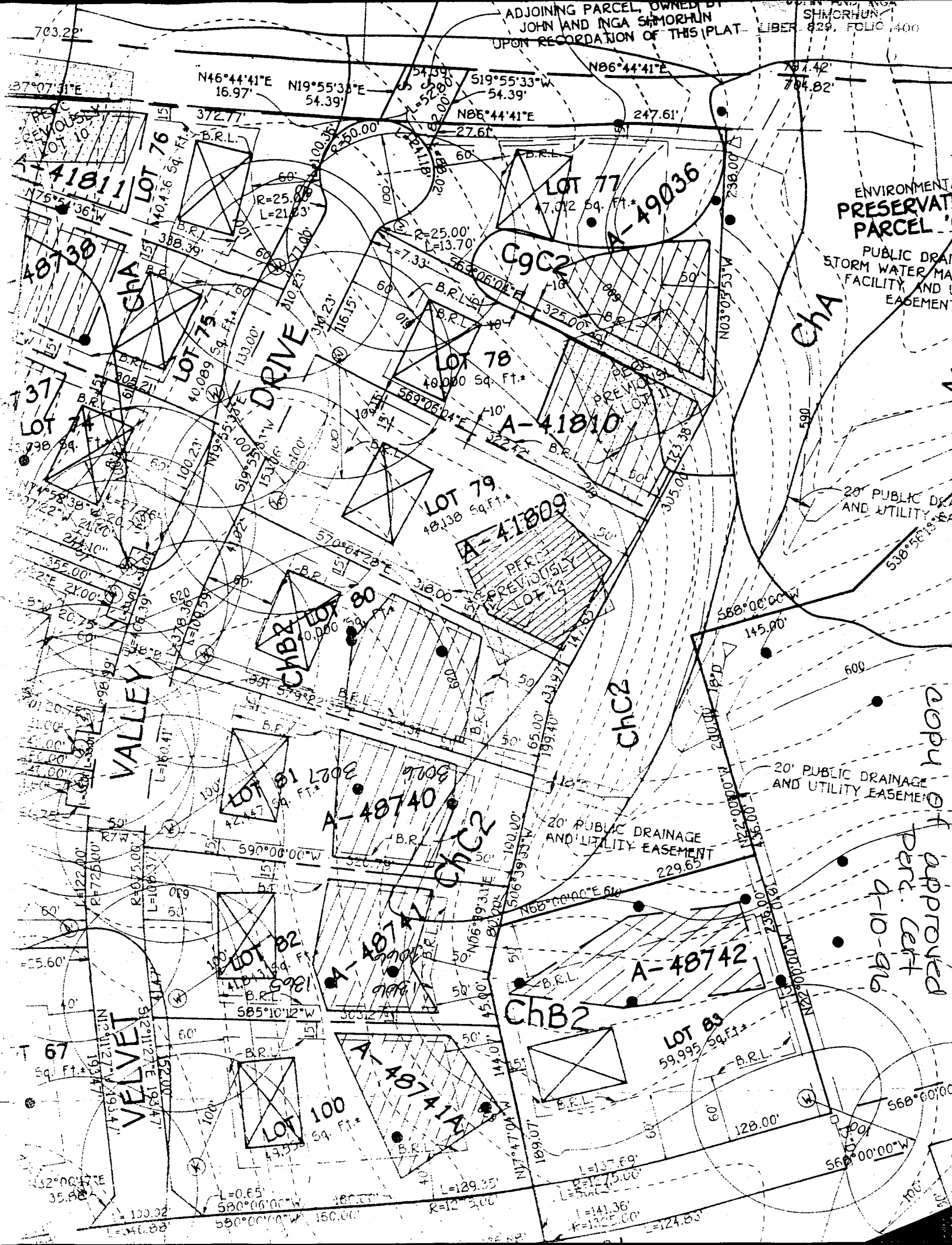
TESTED BY \_\_\_\_\_ ALSO PRESENT \_\_\_\_\_

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

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

APPROVED  
F-95-183





ADJOINING PARCEL, OWNED BY  
JOHN AND INGA SIMORHUN  
UPON RECORDATION OF THIS PLAT

ENVIRONMENTAL  
PRESERVATION  
PARCEL  
PUBLIC DRAIN  
STORM WATER MAIN  
FACILITY AND U  
EASEMENT

20' PUBLIC DRAIN  
AND UTILITY EASEMENT

20' PUBLIC DRAINAGE  
AND UTILITY EASEMENT

20' PUBLIC DRAINAGE  
AND UTILITY EASEMENT

copy to approved  
per. left  
4-10-96

# AS27500 Approved Septic System Plan

Howard County Health Department

80010824

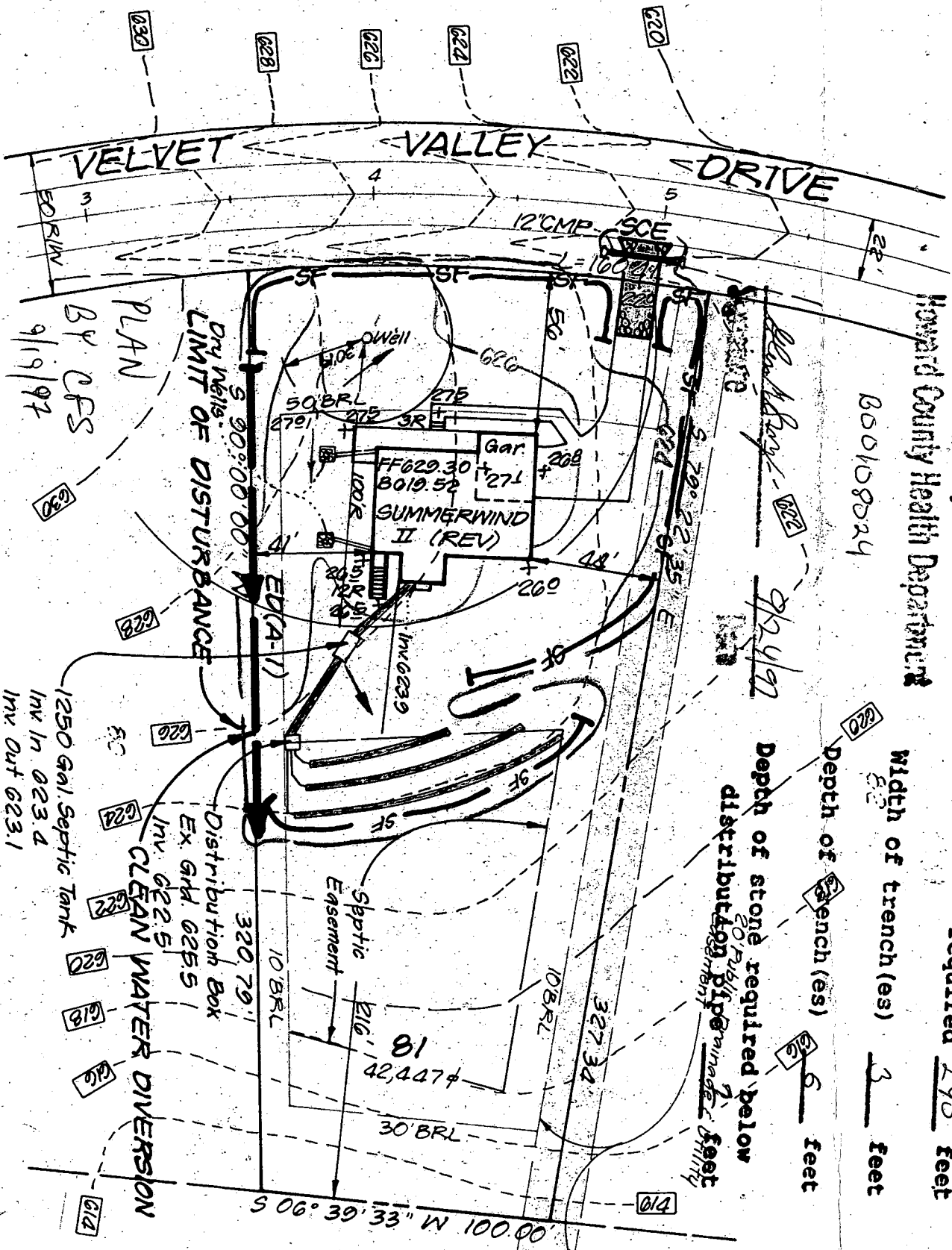
E804

Total linear feet of trench required 240 feet

Width of trench(es) 3 feet

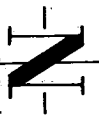
Depth of trench(es) 6 feet

Depth of stone required below distribution pipe 7 feet

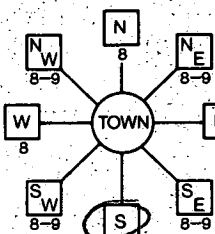
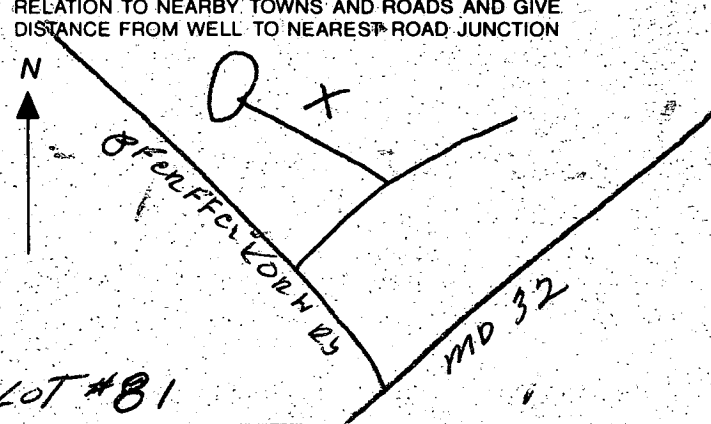


BASEMENT WILL NOT  
 SEWER BY GRAVITY

ENVIRONMENTAL  
 PRESERVATION  
 PARCEL C





|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>B 1</b> <span style="font-size: 1.2em; font-weight: bold;">3058</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | SEQUENCE NO.<br>(DP USE ONLY) | <b>STATE OF MARYLAND</b><br><b>APPLICATION FOR PERMIT TO DRILL WELL</b><br>please print or type.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | STATE PERMIT NUMBER<br><span style="font-size: 1.2em; font-weight: bold;">HO-99-1080</span><br><small>fill in this form completely</small> |
| Date Received (APA)<br><span style="font-size: 1.2em; font-weight: bold;">030497</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                               | <b>B 3</b> <span style="font-size: 1.2em; font-weight: bold;">LOCATION OF WELL</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                            |
| <b>OWNER INFORMATION</b><br>15 Last Name <span style="font-size: 1.2em; font-weight: bold;">DORSEY</span> 13<br>Owner <span style="font-size: 1.2em; font-weight: bold;">BUILDERS INC</span> 34<br>36 Street or RFD <span style="font-size: 1.2em; font-weight: bold;">13090 Old FREDERICK</span> 55<br>57 Town <span style="font-size: 1.2em; font-weight: bold;">SEKESVILLE</span> 70 State 72 <span style="font-size: 1.2em; font-weight: bold;">MD</span> Zip 76 <span style="font-size: 1.2em; font-weight: bold;">21784</span>                                        |                               | 8 COUNTY <span style="font-size: 1.2em; font-weight: bold;">HOWARD</span> 21<br>23 SUBDIVISION <span style="font-size: 1.2em; font-weight: bold;">WESTFRIENDSHIP</span> 42<br>SECTION <span style="font-size: 1.2em; font-weight: bold;">2</span> 44 46 LOT <span style="font-size: 1.2em; font-weight: bold;">81</span> 48 50<br>52 NEAREST TOWN <span style="font-size: 1.2em; font-weight: bold;">WESTFRIENDSHIP</span> 71<br>MILES FROM TOWN (enter 0 if in town) <span style="font-size: 1.2em; font-weight: bold;">2</span> 73 76 77 78 <span style="font-size: 1.2em; font-weight: bold;">MI</span>                                                                       |                                                                                                                                            |
| <b>DRILLER INFORMATION</b><br>Driller's Name <span style="font-size: 1.2em; font-weight: bold;">Perry HARLEY</span> 77 License No. 89 <span style="font-size: 1.2em; font-weight: bold;">173</span><br>Firm Name <span style="font-size: 1.2em; font-weight: bold;">HARLEY DRILLING &amp; PUMP SYSTEMS</span><br>Address <span style="font-size: 1.2em; font-weight: bold;">Box 160 Walkersville, MD 21795</span><br>Signature <span style="font-size: 1.2em; font-weight: bold;">Perry Harley</span> Date <span style="font-size: 1.2em; font-weight: bold;">3-1-97</span> |                               | <b>B 4</b> <span style="font-size: 1.2em; font-weight: bold;">DIRECTION OF WELL FROM TOWN (CIRCLE BOX)</span><br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                            |
| <b>B 2</b> <span style="font-size: 1.2em; font-weight: bold;">WELL INFORMATION</span><br>APPROX. PUMPING RATE (GAL. PER MIN.) <span style="font-size: 1.2em; font-weight: bold;">3</span> 8 12<br>AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) <span style="font-size: 1.2em; font-weight: bold;">600</span> 14 20                                                                                                                                                                                                                                                          |                               | NEAR WHAT ROAD <span style="font-size: 1.2em; font-weight: bold;">Valley Drive</span> 11 30<br>ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) <span style="font-size: 1.2em; font-weight: bold;">E</span> NORTH WEST SOUTH<br>DISTANCE FROM ROAD <span style="font-size: 1.2em; font-weight: bold;">600</span> 34 37<br>ENTER FEET OR MI <span style="font-size: 1.2em; font-weight: bold;">F2</span> 38 39<br>TAX MAP: <span style="font-size: 1.2em; font-weight: bold;">15</span> BLK: PARCEL <span style="font-size: 1.2em; font-weight: bold;">533</span> 32/42                                                                                                             |                                                                                                                                            |
| <b>USE FOR WATER (CIRCLE APPROPRIATE BOX)</b><br><input checked="" type="checkbox"/> HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)<br><input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)<br><input type="checkbox"/> INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)<br><input type="checkbox"/> PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)<br><input type="checkbox"/> TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)          |                               | NOT TO BE FILLED IN BY DRILLER<br>HEALTH DEPARTMENT APPROVAL<br>COUNTY NAME <span style="font-size: 1.2em; font-weight: bold;">Howard</span> COUNTY NO. <span style="font-size: 1.2em; font-weight: bold;">13-A-48740</span><br>STATE SIGNATURE <span style="font-size: 1.2em; font-weight: bold;">[Signature]</span> INSERT S <input type="checkbox"/><br>DATE ISSUED <span style="font-size: 1.2em; font-weight: bold;">03/18/97</span> EXP. DATE <span style="font-size: 1.2em; font-weight: bold;">3/18/98</span><br>NORTH GRID <span style="font-size: 1.2em; font-weight: bold;">528000</span> EAST GRID <span style="font-size: 1.2em; font-weight: bold;">0804000</span> |                                                                                                                                            |
| APPROXIMATE DEPTH OF WELL <span style="font-size: 1.2em; font-weight: bold;">200</span> 24 28 FEET<br>APPROXIMATE DIAMETER OF WELL <span style="font-size: 1.2em; font-weight: bold;">6"</span> NEAREST INCH                                                                                                                                                                                                                                                                                                                                                                |                               | SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X<br>SOURCES OF DRILLING WATER<br>1. <span style="font-size: 1.2em; font-weight: bold;">well</span><br>2.<br>3.<br>WRITE THE BOX NUMBER FROM THE MAP HERE<br><div style="border: 1px solid black; padding: 5px; display: inline-block;">             E <span style="font-size: 1.2em; font-weight: bold;">804</span><br/>             N <span style="font-size: 1.2em; font-weight: bold;">528</span> </div>                                                                                                                                                                                                                    |                                                                                                                                            |
| <b>METHOD OF DRILLING (circle one)</b><br>BORED (or Augered) <input type="checkbox"/> JETTED <input type="checkbox"/> Jetted & DRIVEN<br>AIR-ROTARY <input type="checkbox"/> AIR-PERCUSSION <input checked="" type="checkbox"/> ROTARY (Hydraulic Rotary)<br>CABLE <input type="checkbox"/> REVERSE-ROTARY <input type="checkbox"/> DRIVE-POINT<br>other                                                                                                                                                                                                                    |                               | DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION<br>                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                            |
| <b>REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)</b><br><input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL<br><input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED<br><input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS<br><input type="checkbox"/> THIS WELL WILL DEEPEMED AN EXISTING WELL<br>PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41                              |                               | Not to be filled in by driller (OEP USE ONLY)<br>APPROX. PERMIT NUMBER <span style="font-size: 1.2em; font-weight: bold;">GAP</span> 54 63<br>FORCE <span style="font-size: 1.2em; font-weight: bold;">RA</span> WRITE INITIALS IN BOX 67 68 PERMIT No. <span style="font-size: 1.2em; font-weight: bold;">HO-99-1080</span> 70 71 72 73 74 75 76 77 78 79                                                                                                                                                                                                                                                                                                                       |                                                                                                                                            |
| SPECIAL CONDITIONS<br>NOTE = APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED =                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                            |

|                                                                          |      |                                                              |                                                                                                                   |                                                  |                                                                          |  |
|--------------------------------------------------------------------------|------|--------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|--------------------------------------------------------------------------|--|
| C 1                                                                      | 6398 | SEQUENCE NO.<br>(MDE USE ONLY)                               | <b>STATE OF MARYLAND</b><br><b>WELL COMPLETION REPORT</b><br>FILL IN THIS FORM COMPLETELY<br>PLEASE PRINT OR TYPE |                                                  | THIS REPORT MUST BE SUBMITTED WITHIN<br>45 DAYS AFTER WELL IS COMPLETED. |  |
| 1 2 3 6<br>(THIS NUMBER IS TO BE PUNCHED<br>IN COLS. 3-6 OF ALL CARDS)   |      |                                                              | COUNTY<br>NUMBER <u>B-A 48740</u>                                                                                 |                                                  |                                                                          |  |
| ST/CO USE ONLY<br>DATE RECEIVED<br>MM <u>5</u> DD <u>14</u> YY <u>97</u> |      | DATE WELL COMPLETED<br>MM <u>3</u> DD <u>28</u> YY <u>97</u> |                                                                                                                   | Depth of Well<br><u>100</u><br>(TO NEAREST FOOT) |                                                                          |  |
| 8 13                                                                     |      | 15 20                                                        |                                                                                                                   | 22 26<br>28 29 30 31 32 33 34 35 36 37           |                                                                          |  |

|                                            |  |                                                               |  |
|--------------------------------------------|--|---------------------------------------------------------------|--|
| OWNER <u>Dorsey Ballers</u>                |  | PERMIT NO.<br>FROM: PERMIT TO DRILL WELL<br><u>HO 94-1680</u> |  |
| STREET OR RFD <u>Valley Drive</u>          |  | TOWN <u>West Friendship</u>                                   |  |
| SUBDIVISION <u>West Friendship Estates</u> |  | SECTION <u>II</u> LOT <u>81</u>                               |  |

|                                                                                                |                 |                              |
|------------------------------------------------------------------------------------------------|-----------------|------------------------------|
| WELL LOG                                                                                       |                 |                              |
| Not required for driven wells                                                                  |                 |                              |
| STATE THE KIND OF FORMATIONS PENETRATED, THEIR<br>COLOR, DEPTH, THICKNESS AND IF WATER BEARING |                 |                              |
| DESCRIPTION (Use<br>additional sheets if needed)                                               | FEET<br>FROM TO | check<br>if water<br>bearing |
| TOP SOIL                                                                                       | 0 2             |                              |
| Brown Shell                                                                                    | 3 55            |                              |
| MICA                                                                                           |                 |                              |
| whitertin                                                                                      | 56 100          |                              |
| SANDSTONE                                                                                      |                 |                              |
| Blue rock                                                                                      |                 |                              |
| GOT water                                                                                      |                 | 80                           |
| do                                                                                             |                 | 95                           |

|                                                   |                                            |
|---------------------------------------------------|--------------------------------------------|
| GROUTING RECORD                                   |                                            |
| WELL HAS BEEN GROUTED<br>(Circle Appropriate Box) |                                            |
| yes <input checked="" type="checkbox"/> 44        | no <input type="checkbox"/> 44             |
| TYPE OF GROUTING MATERIAL (Circle one)            |                                            |
| CEMENT <input checked="" type="checkbox"/> CM     | BENTONITE CLAY <input type="checkbox"/> BC |
| NO. OF BAGS <u>11</u> NO. OF POUNDS <u>1034</u>   |                                            |
| GALLONS OF WATER <u>66</u>                        |                                            |
| DEPTH OF GROUT SEAL (to nearest foot)             |                                            |
| from <u>0</u> TOP                                 | ft. to <u>65</u> BOTTOM                    |
| (enter 0 if from surface)                         |                                            |

|                                                   |                                           |
|---------------------------------------------------|-------------------------------------------|
| CASING RECORD                                     |                                           |
| casing types insert appropriate code below        |                                           |
| <input checked="" type="checkbox"/> PL PLASTIC    | <input type="checkbox"/> CO CONCRETE      |
| <input type="checkbox"/> ST STEEL                 | <input type="checkbox"/> OT OTHER         |
| MAIN CASING TYPE                                  |                                           |
| Nominal diameter top (main) casing (nearest inch) | Total depth of main casing (nearest foot) |
| <u>PL 64</u>                                      | <u>67</u>                                 |
| 60 61                                             | 63 64 66 70                               |

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

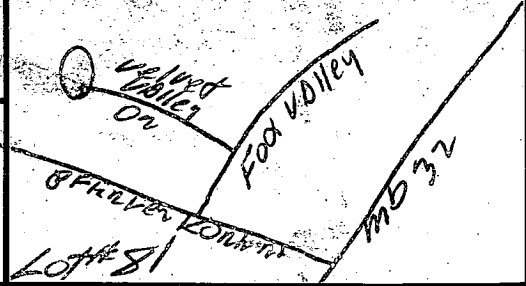
|                                              |                                       |
|----------------------------------------------|---------------------------------------|
| SCREEN RECORD                                |                                       |
| screen type or open hole                     |                                       |
| <input checked="" type="checkbox"/> ST STEEL | <input type="checkbox"/> BR BRASS     |
| <input type="checkbox"/> PL PLASTIC          | <input type="checkbox"/> HO OPEN HOLE |
| <input type="checkbox"/> OT OTHER            |                                       |

|                                   |            |
|-----------------------------------|------------|
| DEPTH (nearest ft.)               |            |
| 1 2                               | 3 4        |
| <u>HO 66</u>                      | <u>100</u> |
| 8 9 11                            | 15 17 21   |
| 23 24 26                          | 30 32 36   |
| 38 39 41                          | 45 47 51   |
| SLOT SIZE 1 2 3                   |            |
| DIAMETER OF SCREEN (NEAREST INCH) |            |
| from                              | to         |

|                                                                          |               |
|--------------------------------------------------------------------------|---------------|
| GRAVEL PACK<br>IF WELL DRILLED<br>WAS FLOWING WELL<br>INSERT F IN BOX 68 |               |
| MDE USE ONLY<br>(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) <u>3</u>                   |                                                   |
| PUMPING RATE (gal. per min.) <u>14</u>                 |                                                   |
| METHOD USED TO MEASURE PUMPING RATE <u>Submersible</u> |                                                   |
| WATER LEVEL (distance from land surface)               |                                                   |
| BEFORE PUMPING                                         | <u>30</u> ft.                                     |
| WHEN PUMPING                                           | <u>50</u> ft.                                     |
| TYPE OF PUMP USED (for test)                           |                                                   |
| <input type="checkbox"/> A air                         | <input type="checkbox"/> P piston                 |
| <input type="checkbox"/> C centrifugal                 | <input type="checkbox"/> R rotary                 |
| <input type="checkbox"/> J jet                         | <input checked="" type="checkbox"/> S submersible |
| <input type="checkbox"/> T turbine                     | <input type="checkbox"/> O other (describe below) |

|                                                                         |                |
|-------------------------------------------------------------------------|----------------|
| PUMP-INSTALLED                                                          |                |
| DRILLER WILL INSTALL PUMP (CIRCLE) (YES OR 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)                        |                |
| 31                                                                      | 35             |
| PUMP HORSE POWER                                                        |                |
| 37                                                                      | 41             |
| PUMP COLUMN LENGTH (nearest ft.)                                        |                |
| 43                                                                      | 47             |
| CASING HEIGHT (circle appropriate box and enter casing height)          |                |
| <input checked="" type="checkbox"/> + above                             | LAND SURFACE   |
| <input type="checkbox"/> - below                                        | (nearest foot) |
| 49                                                                      | 50 51          |

|                                                                                                                                            |  |
|--------------------------------------------------------------------------------------------------------------------------------------------|--|
| 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) |  |
|                                                       |  |

|                                                                                                       |  |
|-------------------------------------------------------------------------------------------------------|--|
| DRILLERS LIC. NO. <u>MSD 143</u>                                                                      |  |
| DRILLERS SIGNATURE<br>(MUST MATCH SIGNATURE ON APPLICATION)                                           |  |
| LIC. NO. <u>M D</u>                                                                                   |  |
| SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee) |  |

WEST FRIENDSHIP

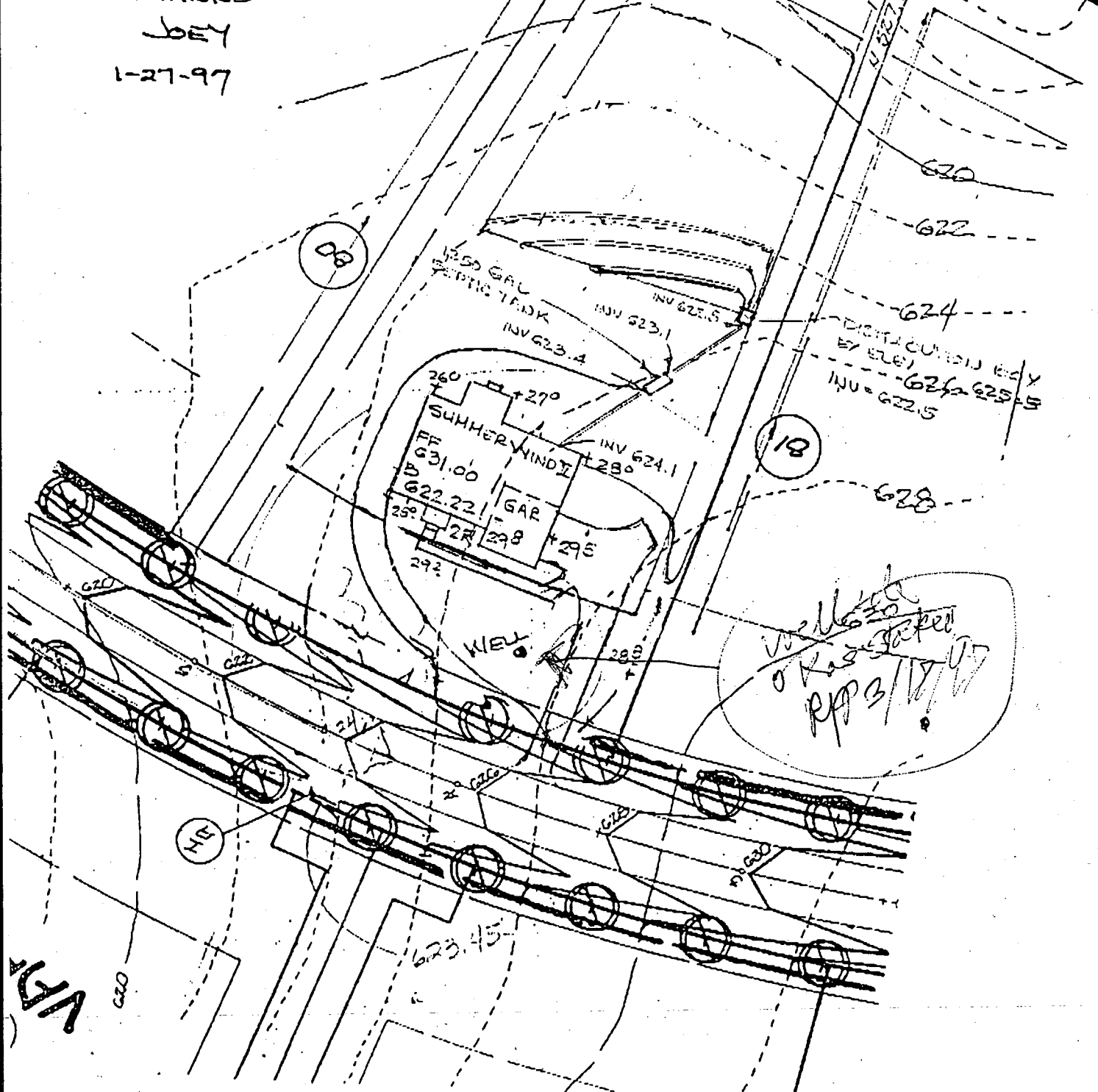
LOT 81

PHIL,

PLEASE REVIEW  
PRIOR TO FINAL  
DRAFTING

THANKS  
JOEY  
1-27-97

MATCH LINE SEE SHEET 2



Well  
OKed for  
RFP 3/18/97