

8/17/87  
AM

# PERMIT

P 39860  
A 33081

## SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH DISTRICT 3rd

**HOWARD COUNTY**  
BUREAU OF ENVIRONMENTAL HEALTH  
461-9933

**INDEXED**

DATE 8/13/87

DATE SYSTEM APPROVED 12-1-87

INSPECTOR S. Abel

C. Zabel, Inc. IS PERMITTED TO INSTALL  ALTER

ADDRESS 15039 Oak Orchard Road, New Windsor, MD 21776 PHONE 875-2964

SUBDIVISION Warfield ROAD 13885 Burntwoods Road LOT 85

PROPERTY OWNER Cliff Rao

ADDRESS \_\_\_\_\_

IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 22%.

GARBAGE GRINDER? YES \_\_\_\_\_ NO

31.80  
51.72  
1.44 trench

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 180 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 3 feet below original grade. 5 feet of stone below distribution pipe.

LOCATION - Place the distribution box 250 feet down the left (542.41') lot line and 120 feet off the same lot line, as seen when facing the lot from right of way. Run trenches on contour toward the left lot line.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. H.

PLANS APPROVED BY S. Abel DATE 3/09/87

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.

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(IES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(IES).

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 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 PVC 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 APROVAL ON THIS PERMIT**

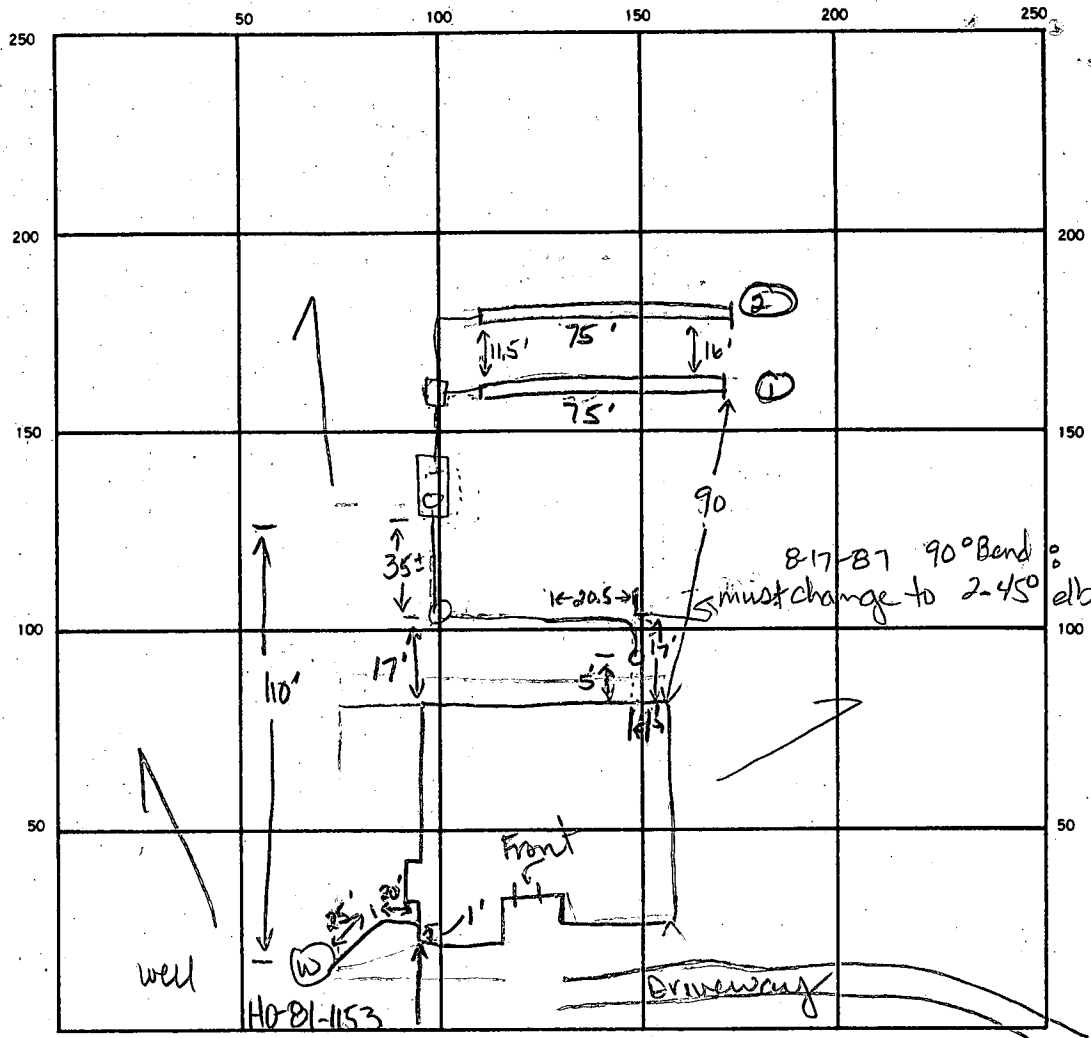
\*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1186

A-33081

2  
35  
24  
1400  
70  
84  
168

61  
24  
244  
122  
146.4



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

neighbor's well (W) H081-1249 To Burntwoods Rd  
 150'  
 90°

SEPTIC TANK. LEVEL

DISTRIBUTION BOX. LEVEL

DRAIN FIELD/TILE FIELD. DEPTH 8.85 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3.3 FT.

EFFECTIVE GRAVEL DEPTH 5'-5.5" FT. TOTAL LENGTH 75 FT. TDF 150

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 375 + 412 SQ. FT. 787

DRYWELL INSIDE DIAMETER \_\_\_\_\_ FT. EFFECTIVE DEPTH BELOW INLET \_\_\_\_\_ FT.

ABSORBENT AREA 787 SQ. FT.

REMARKS 8-17-87 OK to add stone to both trenches. Lay pipe & paper and call for inspection. Must change all 90° curves to 45° curves from tank to house. Additional cleanout in line to tank is ok. Remove racoon carcass from trench 1. JEN

A 33081

SUBDIVISION: *Warfield*

LOT NUMBER: *B5*

DRY WELL OR DRY WELL AND TRENCH

\_\_\_\_\_ sq. ft./bedroom

	<u>Septic Tank</u>	<u>Minimum Total Square Feet</u>
3 bedroom	1000 gallon	_____
4 bedroom	1250 gallon	_____
5 bedroom	1500 gallon	_____

Inlet \_\_\_\_\_ feet below original grade.

Bottom maximum depth \_\_\_\_\_ feet below original grade.

Effective area begins at \_\_\_\_\_ feet below original grade.

NOTE: If trench is used to make up absorbent area, run the trench on level ground and leave a 5-foot earth buffer between dry well and trench. No trench is to exceed 100 feet in length. Trench inlet to be same as dry well, with \_\_\_\_\_ feet of stone below distribution pipe.

TRENCHES

180 sq. ft./bedroom

Trench to be 2 wide.

Inlet 3 feet below original grade.

Bottom maximum depth 8 feet below original grade.

Effective area begins at 3 feet below original grade.

5 feet of stone below distribution pipe.

*4BR Pw BP  
10723*

- NOTE:
- (1) No trench to exceed 100 feet in length.
  - (2) If more than one trench used, a distribution box is required.
  - (3) Trenches to be installed on level ground.
  - (4) Call for inspection of trench before gravel is installed.
  - (5) Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank and drywell.
  - (6) If a garbage disposal is used, increase septic tank capacity by 50% and increase absorbent sidewall area by 22%.

LOCATION: RACE THE DISTRIBUTION BOX @ 30 FEET DOWNTHE LEFT (542.41')

LOT LINE AND 120 FEET OFF THE SAME LOT LINE, AS SEEN WHEN FACING

THE LOT FROM RIGHT OF WAY. RUN TRENCHES ON CONTOUR TOWARD THE

LEFT LOT LINE. 3-9-87 S. AM

*Per*

# APPLICATION

*9/10/83 cancelled  
9:30 AM. (4 lots York-digger)  
10/7/83  
9:30 AM - aulday.*

SEWAGE DISPOSAL TESTING

A 33081  
P \_\_\_\_\_

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES

DISTRICT 3rd

P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 992-2330

DATE August 24, 1983

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 Kennard Warfield c/o Tracy, Schulte & Associates

*UNITED GENERAL CONTRACTORS*  
ADDRESS 8450 Baltimore National Pike PHONE 465-6105  
Ellicott City, Maryland 21043

PROPERTY LOCATION:

SUBDIVISION Warfield LOT NO. 1 *old / New Lot 5*

ROAD AND DESCRIPTION Burnt Wood Road West of St. Rt. 32  
13885 BURNWOODS RD.

SIZE OF LOT 6.4 Acres TYPE BLDG. Vacant  
(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.

*James K. Tracy*  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ OR \_\_\_\_\_ DATE \_\_\_\_\_

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING 10/7/83 PERC OK HOLD FOR  
CERTIFIED HOLES R/D BLDG. PERMIT SIGNED AND RETURNED 3-26-87

*S. Aul*  
BP# 10723

## THIS IS NOT A PERMIT

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	

REMARKS \_\_\_\_\_

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

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

EH-12-1079

# APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 33081

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES

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*Jess K. Tracy*  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ OR \_\_\_\_\_ DATE \_\_\_\_\_

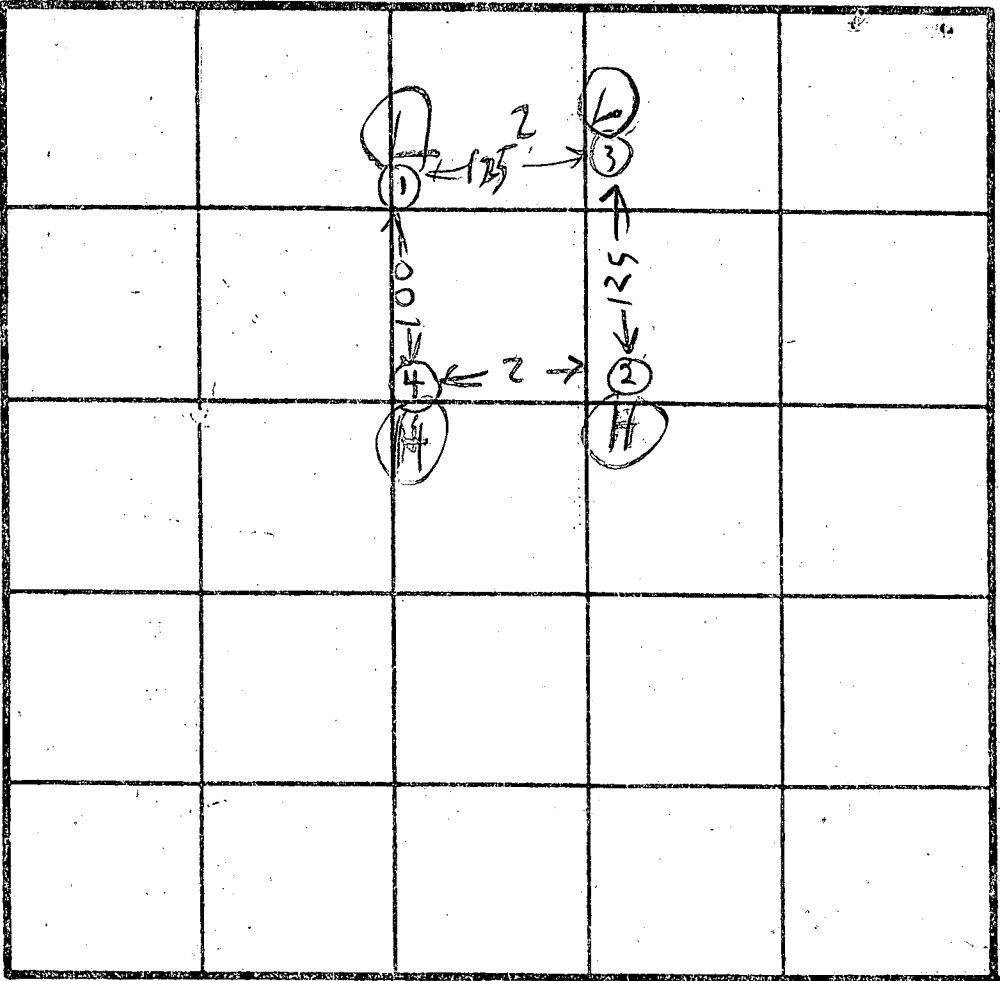
REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

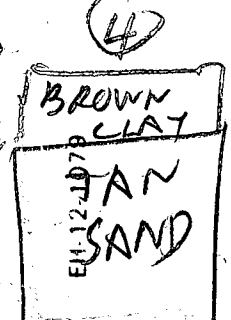
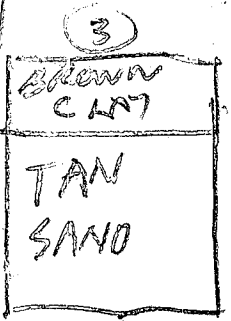
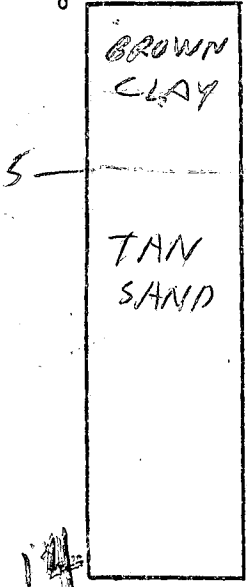
REASONS FOR REJECTION OR HOLDING: \_\_\_\_\_

# THIS IS NOT A PERMIT

LOT 1



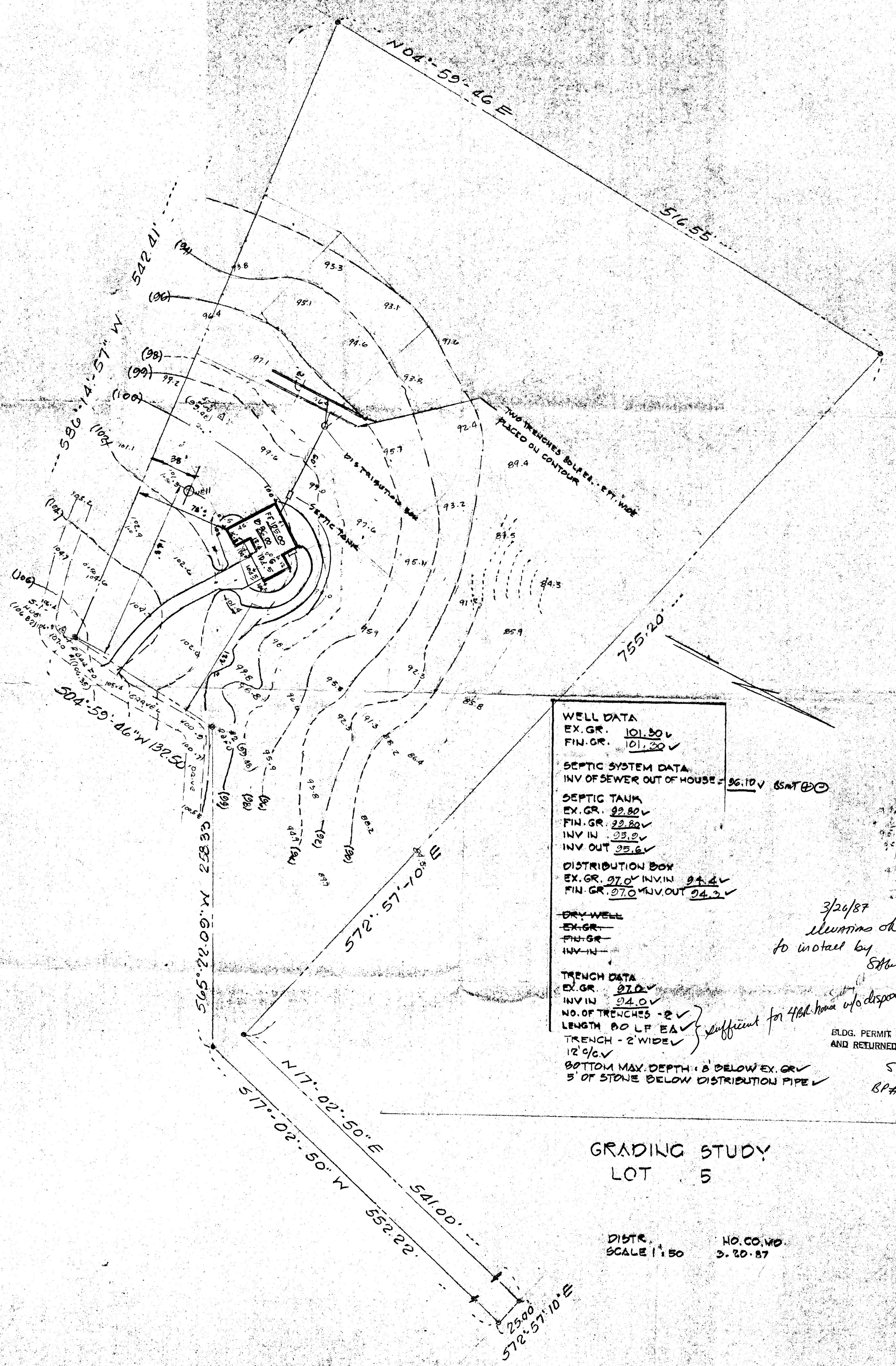
INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/7/83	1S	5 1/2	1008	1016	1016	1030	14
	1V	14	LOOKS OK				
	2S	2 1/2	1018	1020	1020	1022	2
	2D	8	1018	1020	1020	1022	2
	2V	14	LOOKS OK				
	3S	3	1025	1026	1026	1027	1
	3D	8	1025	1026	1026	1028	2
	3V	13	LOOKS OK				
10/18/83	4V	13	LOOKS OK				

REMARKS: 125' = ABOUT 125 FT } DIFFICULT  
 2' = OVER 100 FT } TO MEASURE  
 TYPE OF SOIL: HEAVY WOODS HOLES NOT PERMANENT

TESTED BY: R HODGES ALSO PRESENT: FYOCH



WELL DATA  
 EX. GR. 101.50 ✓  
 FIN. GR. 101.30 ✓

SEPTIC SYSTEM DATA  
 INV OF SEWER OUT OF HOUSE = 96.10 ✓ (SMT) ⊕ ⊕

SEPTIC TANK  
 EX. GR. 92.80 ✓  
 FIN. GR. 92.80 ✓  
 INV IN 95.9 ✓  
 INV OUT 95.6 ✓

DISTRIBUTION BOX  
 EX. GR. 97.0 ✓ INV IN 94.4 ✓  
 FIN. GR. 97.0 ✓ INV OUT 94.3 ✓

DRY WELL  
 EX. GR. ✓  
 FIN. GR. ✓  
 INV IN ✓

TRENCH DATA  
 EX. GR. 97.0 ✓  
 INV IN 94.0 ✓  
 NO. OF TRENCHES - 2 ✓  
 LENGTH 80 LF EA ✓  
 TRENCH - 2' WIDE ✓  
 12' @ 0. ✓  
 BOTTOM MAX. DEPTH: 8' BELOW EX. GR ✓  
 5' OF STONE BELOW DISTRIBUTION PIPE ✓

3/26/87  
 elevations on drawing ok  
 to install by  
 S. Abel

Sufficient for 4th house w/o disposal

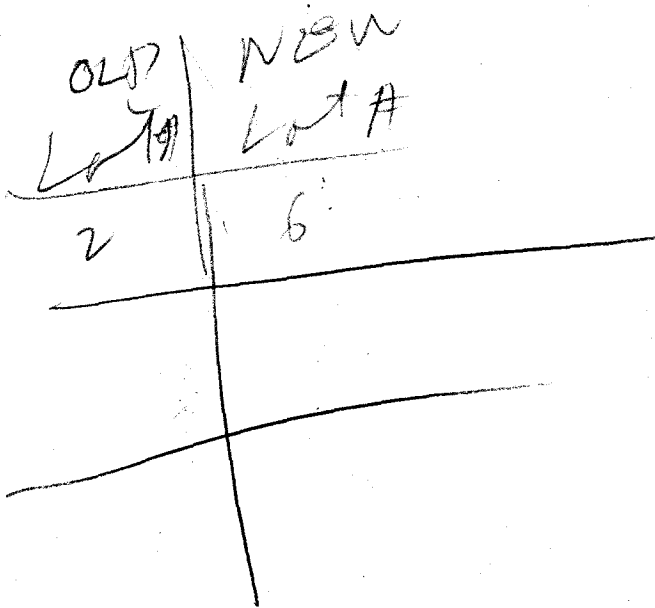
BLDG. PERMIT SIGNED  
 AND RETURNED 3-26-87.  
 S. Abel  
 BP# 10723

GRADING STUDY  
 LOT 5

DISTR. SCALE 1" = 50' NO. CO. WD. 3.20.87

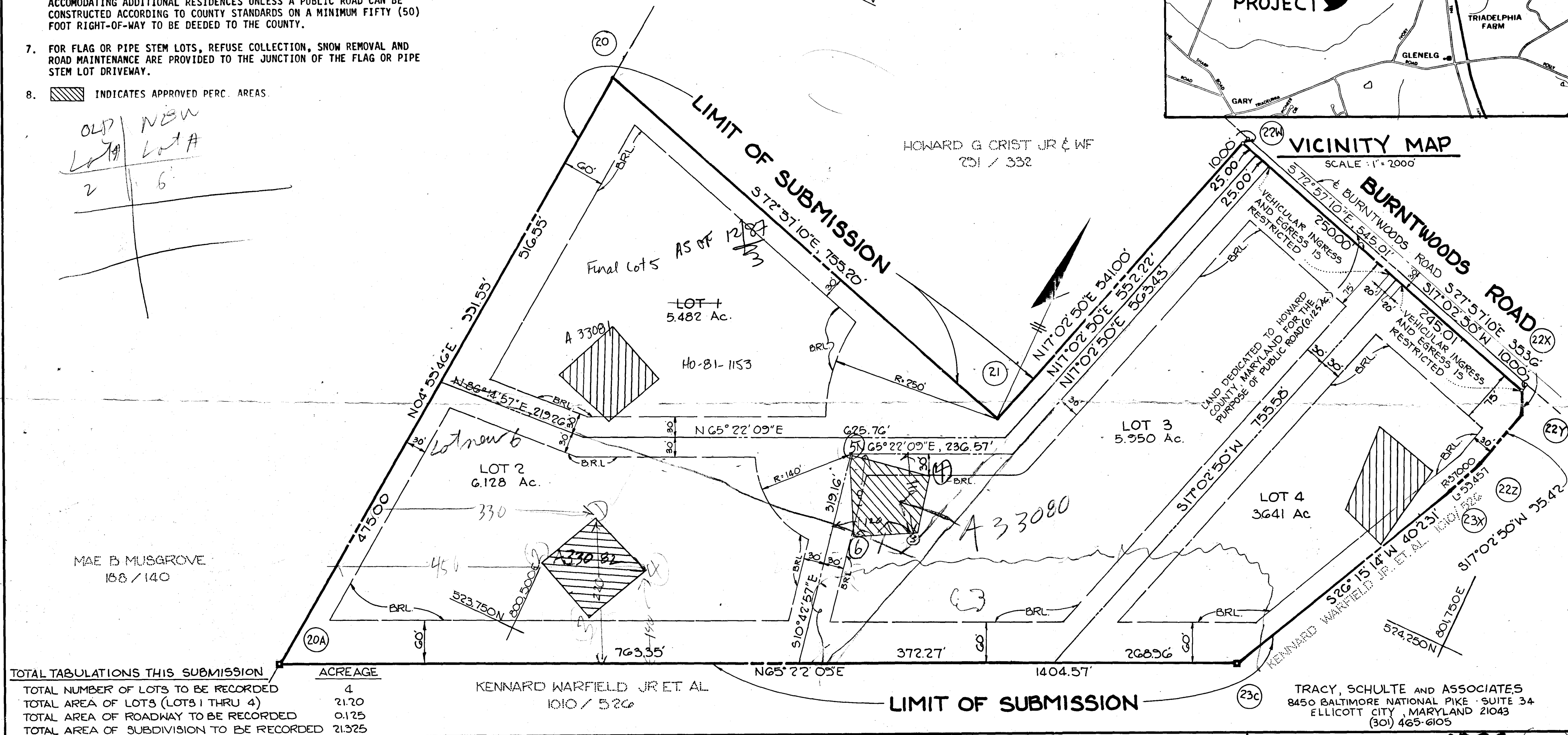
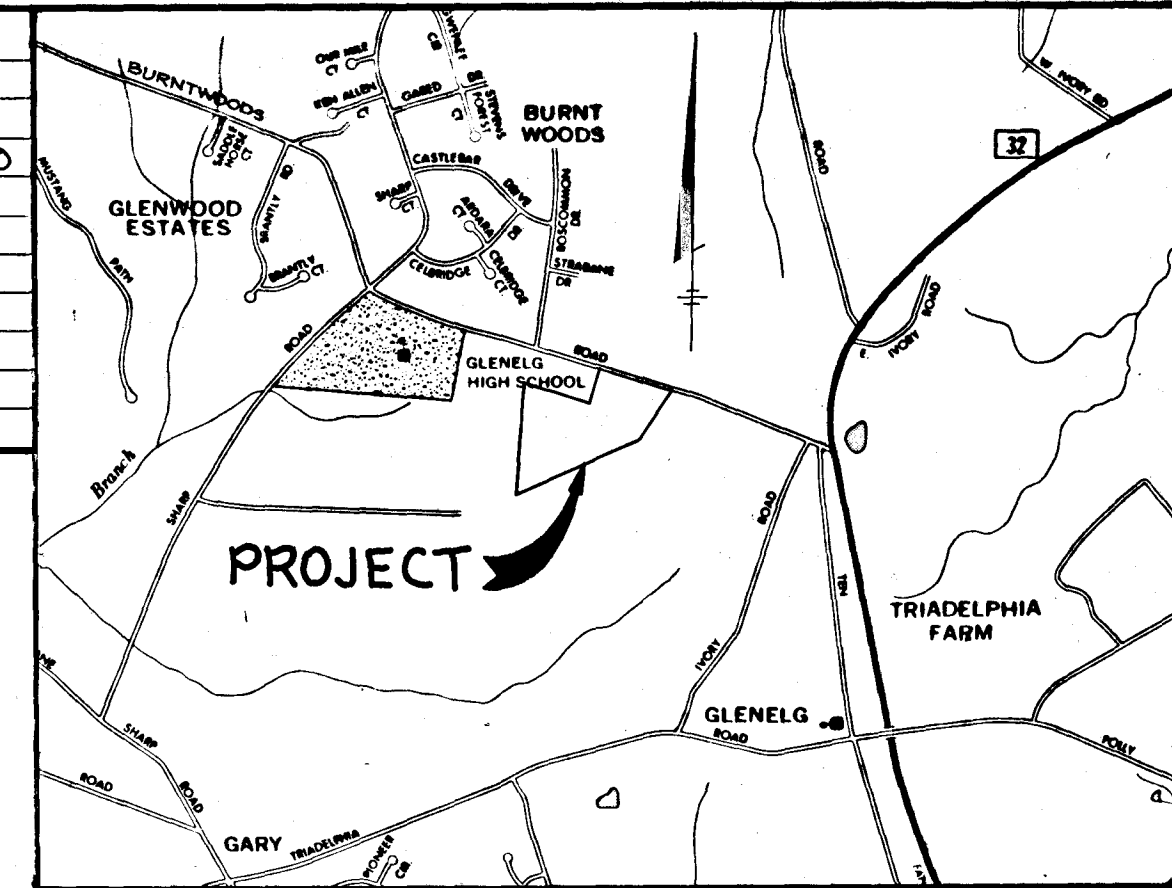
NOTES:

- 4" x 4" x 36" CONCRETE MONUMENTS INDICATED THUS; ■ : IRON PIN SHOWN THUS : o
- ALL COORDINATES SHOWN HEREON ARE BASED ON THE MARYLAND STATE GRID SYSTEM.
- ORIGIN OF COORDINATES: HOWARD COUNTY GEODETIC CONTROL POINT NO. 3234004.
- SUBJECT PROPERTY ZONED 'R' PER 10-3-77 COMPREHENSIVE ZONING PLAN.
- B.R.L. INDICATES BUILDING RESTRICTION LINE.
- FLAG OR PIPE STEM LOTS SHALL NOT BE FURTHER SUBDIVIDED INTO LOTS ACCOMODATING ADDITIONAL RESIDENCES UNLESS A PUBLIC ROAD CAN BE CONSTRUCTED ACCORDING TO COUNTY STANDARDS ON A MINIMUM FIFTY (50) FOOT RIGHT-OF-WAY TO BE DEEDED TO THE COUNTY.
- FOR FLAG OR PIPE STEM LOTS, REFUSE COLLECTION, SNOW REMOVAL AND ROAD MAINTENANCE ARE PROVIDED TO THE JUNCTION OF THE FLAG OR PIPE STEM LOT DRIVEWAY.
- ▨ INDICATES APPROVED PERC. AREAS.



CURVE DATA						
NO.	RADIUS	Δ	ARC	TAN	CHORD	BEARING
22Z-23X	370.00	09°12'24"	59.454	23.751	59.350	S 21° 35' 00" W

COORDINATES		
NO.	NORTH	EAST
20	524,493.865	800,292.911
20A	523,506.086	800,206.559
21	524,272.475	801,014.530
22W	524,795.266	801,176.461
22X	524,635.451	801,697.525
22Y	524,558.700	801,711.166
22Z	524,507.448	801,683.185
23X	524,452.248	801,661.274
23C	524,091.467	801,483.326



TOTAL TABULATIONS THIS SUBMISSION	ACREAGE
TOTAL NUMBER OF LOTS TO BE RECORDED	4
TOTAL AREA OF LOTS (LOTS 1 THRU 4)	21.20
TOTAL AREA OF ROADWAY TO BE RECORDED	0.125
TOTAL AREA OF SUBDIVISION TO BE RECORDED	21.325

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.

*Joseph A. Byrne* 12-13-84  
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

*Thomas L. Harris* 3-28-85  
DIRECTOR DATE

APPROVED: FOR PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

*George F. Nemy* 3-26-85  
DIRECTOR DATE

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT; THAT IT IS A SUBDIVISION OF PART OF THE LANDS CONVEYED BY HOWARD G. CRIST, ET AL. TO KENNARD WARFIELD, JR. AND THOMAS S. WARFIELD, DECEASED, BY DEED DATED JULY 7, 1980, AND RECORDED IN THE LAND RECORDS OF HOWARD COUNTY IN LIBER 1010, FOLIO 526, AND THAT ALL MONUMENTS ARE IN PLACE OR WILL BE IN PLACE PRIOR TO THE ACCEPTANCE OF THE STREETS IN THE SUBDIVISION BY HOWARD COUNTY AS SHOWN, IN ACCORDANCE WITH THE ANNOTATED CODE OF MARYLAND, AS AMENDED.

*Walter Park*  
WALTER PARK PLS #5539  
225 JOSEPH SQUARE  
COLUMBIA, MARYLAND 21044

DEDICATION FOR INDIVIDUALS

I, KENNARD WARFIELD, JR., OWNER OF THE PROPERTY SHOWN AND DESCRIBED HEREON, HEREBY ADOPT THIS PLAN OF SUBDIVISION, AND IN CONSIDERATION OF THE APPROVAL OF THIS FINAL PLAT BY THE OFFICE OF PLANNING AND ZONING, ESTABLISH THE MINIMUM BUILDING RESTRICTION LINES AND GRANT UNTO HOWARD COUNTY, MARYLAND, ITS SUCCESSORS AND ASSIGNS, (1) THE RIGHT TO LAY, CONSTRUCT AND MAINTAIN SEWERS, DRAINS, WATER PIPES AND OTHER MUNICIPAL UTILITIES AND SERVICES, IN AND UNDER ALL ROADS AND STREET RIGHT-OF-WAYS AND THE SPECIFIC EASEMENT AREAS SHOWN HEREON; (2) THE RIGHT TO REQUIRE DEDICATION FOR PUBLIC USE THE BEDS OF THE STREETS AND/OR ROADS AND FLOODPLAINS AND OPEN SPACE WHERE APPLICABLE, AND FOR GOOD AND OTHER VALUABLE CONSIDERATION, HEREBY GRANT THE RIGHT AND OPTION TO HOWARD COUNTY TO ACQUIRE THE FEE SIMPLE TITLE TO THE BEDS OF THE STREETS AND/OR ROADS AND FLOODPLAINS, STORM DRAINAGE FACILITIES AND OPEN SPACE WHERE APPLICABLE; (3) THE RIGHT TO REQUIRE DEDICATION OF WATERWAYS AND DRAINAGE EASEMENTS FOR THE SPECIFIC PURPOSE OF THEIR CONSTRUCTION, REPAIR AND MAINTENANCE; AND (4) THAT NO BUILDING OR SIMILAR STRUCTURE OF ANY KIND SHALL BE ERRECTED ON OR OVER THE SAID EASEMENTS AND RIGHT-OF-WAYS.

WITNESS MY/OUR HAND(S) THIS 15<sup>TH</sup> DAY OF FEBRUARY

*Roland J. Wheelbarge*  
WITNESS

*Kennard Warfield Jr.*  
KENNARD WARFIELD, JR.

RECORDED AS PLAT **6209** (6201)  
ON **3-29-85** AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND

*Formerly Kennard Warfield*  
**WB PROPERTY**  
SECTION 1, AREA 1  
LOTS 1 THRU 4

**SIGNED FINAL FILE COPY**  
LOT LINES CHANGED

VP-85-21 NEW PLAT RECORDED 10/9/85 C.W.  
SHEET 1 OF 1 TAX MAP NO. 22  
3<sup>RD</sup> ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND  
SCALE: 1" = 100' DATE: 10-10-84

B 1 **8858** SEQUENCE NO. (OEP 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

OEP PERMIT NUMBER  
**70-81-1153**  
 fill in this form completely

Date Received **7/3/89**  
 OWNER INFORMATION  
**WARFIELD KENN**  
**RICHMONDSON WOODSTOCK**  
 15 Last Name Owner First Name 34  
**10636 BREEZEWOOD DR**  
 36 Street or RFD 55  
**WOODSTOCK MD 21163**  
 57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL  
**HOWARD**  
 8 COUNTY 21  
**KENN WARFIELD PROP**  
 23 SUBDIVISION 42  
 SECTION **1** LOT **1** old  
 44 46 48 50  
**GLEWELG**  
 52 NEAREST TOWN 71  
 MILES FROM TOWN (enter 0 if in town) **1** MI  
 73 76 77 78

DRILLER INFORMATION  
**RALPH MAYNE** **273**  
 Driller's Name 77 License No. 80  
**Ralph Wayne Well Drilling**  
 Firm Name  
**9120 Prairiehurst Rd, Maryn**  
 Address  
**Ralph Wayne** Date

B 4  
**Brent woods Rd.**  
 11 NEAR WHAT ROAD 30  
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
 NORTH N  
 WEST W 32 EAST E  
 SOUTH S  
 34 **2000** 37 DISTANCE FROM ROAD  
 ENTER FT or MI **FT**  
 38 39

B 2 WELL INFORMATION  
 APPROX. PUMPING RATE (GAL. PER MIN.) **5**  
 8 12  
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **500**  
 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)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL  
**Howard** COUNTY NAME **A 33081** COUNTY NO.  
 OEP SIGNATURE: **Sidney Abel** STATE HEALTH INSERT S 41  
 DATE ISSUED **072389**  
 43 48 CO SIGNATURE EXP. DATE  
 NORTH GRID **523000** EAST GRID **0801000**  
 50 55 57 63

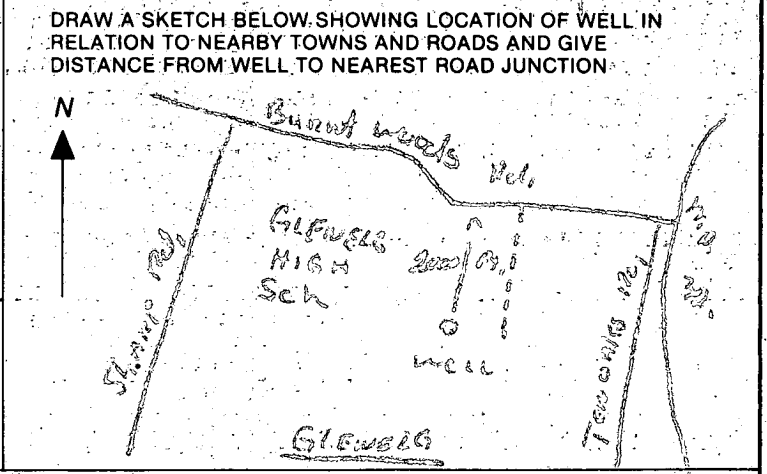
APPROXIMATE DEPTH OF WELL **160** FEET  
 24 28

APPROXIMATE DIAMETER OF WELL **6** NEAREST INCH

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

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 **800 1**  
 N **520 3**  
 000 000

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  
 THIS WELL WILL DEEPEN AN EXISTING WELL  
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 \_\_\_\_\_ 52



Not to be filled in by driller (OEP USE ONLY)  
 APPROP. PERMIT NUMBER \_\_\_\_\_ GAP \_\_\_\_\_  
 54 63  
 FORCE **SA** WRITE INITIALS IN BOX PERMIT No. **70-81-1153**  
 67 68 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

DRILLER

B 1 2205

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please print or type

OEP PERMIT NUMBER

70 - - - - - 79 fill in this form completely

Date Received

8 - - - - - 13

OWNER INFORMATION

WARFIELD KENN Last Name Owner First Name

14663 TR DELPHIA RD Street or RFD

GLEWELG MO 21137 Town State Zip

DRILLER INFORMATION

Ralph MAYNE 2D3 Driller's Name License No. 80

Ralph MAYNE (well DRILLING) Firm Name

9120 Brown Church Rd. Mt. Airy Address

Ralph Mayne 11/27/85 Signature Date

B 3

LOCATION OF WELL

HOWARD 8 COUNTY 21

KENN WARFIELD PROP 23 SUBDIVISION 42

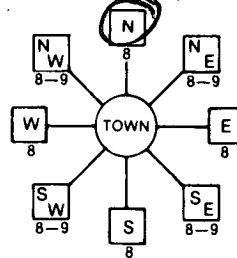
SECTION 44 46 LOT 5 48 50

GLEWELG 52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) 1 73 76 77 78

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Burntwoods Rd. 11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



2000 34 DISTANCE FROM ROAD 37

ENTER FT or MI FJ 38 39

B 2

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5 8 12

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500 14 20

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)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

COUNTY NAME COUNTY NO. OEP SIGNATURE STATE HEALTH INSERT S 41

DATE ISSUED CO SIGNATURE EXP. DATE NORTH GRID EAST GRID 50 55 57 63

APPROXIMATE DEPTH OF WELL 150 24 28 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 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) 41 - - - - - 52

Not to be filled in by driller (OEP USE ONLY)

APPROP. PERMIT NUMBER 54 GAP 63

FORCE 67 68 WRITE INITIALS IN BOX PERMIT No. 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

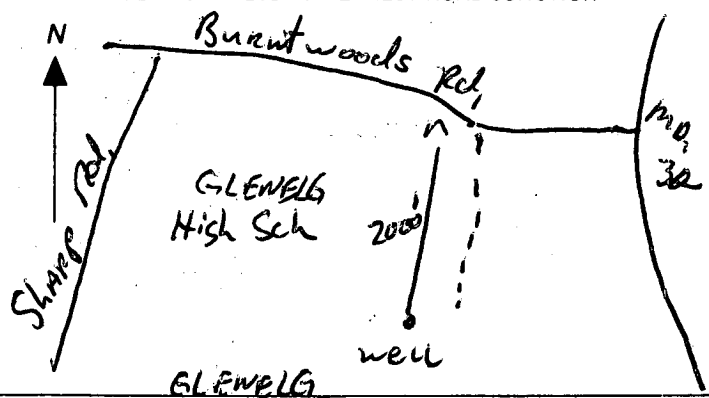
SOURCES OF DRILLING WATER

- 1. well
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 800 N 520

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



FILE Well Grout DATE REPORTED 12/12/85

PROPERTY OWNER Kenn Warfield PHONE NO. \_\_\_\_\_

P. O. ADDRESS Lot 5

Burntwoods Road

DIRECTIONS TO PROPERTY Ralph Mayne - Well Driller

INFORMANT Permit # 710 81 / 1248

CONDITION FOUND: 12/12/85 Grout information

- ① 80 FT casing
- ② 50 FT open hole
- ③ 15 Bags used
- ④ Well already grouted at 10 30 AM  
arrive 10 30 AM
- ⑤ Paperwork for this well missing

ACTION TAKEN: Got permit # from well grouted  
apparently already paid for.

⑥ Not sure of location. Middle of  
Wood Grouter and Craig & surveyor  
were here & marked site.

FINAL DISPOSITION: \_\_\_\_\_



4" x 36" CONCRETE MONUMENTS INDICATED THUS; ■ IRON PIN SHOWN THUS: ○

COORDINATES SHOWN HEREON ARE BASED ON THE MARYLAND STATE GRID SYSTEM.

ORIGIN OF COORDINATES: HOWARD COUNTY GEODETIC CONTROL POINT NO. 1004.

SUBJECT PROPERTY ZONED 'R' PER 8/2/88 COMPREHENSIVE ZONING PLAN.

DASHED LINE INDICATES BUILDING RESTRICTION LINE.

FLAG OR PIPE STEM LOTS SHALL NOT BE FURTHER SUBDIVIDED INTO LOTS ACCOMMODATING ADDITIONAL RESIDENCES UNLESS A PUBLIC ROAD CAN BE CONSTRUCTED ACCORDING TO COUNTY STANDARDS ON A MINIMUM FIFTY (50) FEET RIGHT-OF-WAY TO BE DEEDED TO THE COUNTY.

ON FLAG OR PIPE STEM LOTS, REFUSE COLLECTION, SNOW REMOVAL AND MAINTENANCE ARE PROVIDED TO THE JUNCTION OF THE FLAG OR PIPE STEM LOT DRIVEWAY.

DIAGONAL HATCHING INDICATES APPROVED PERC AREAS

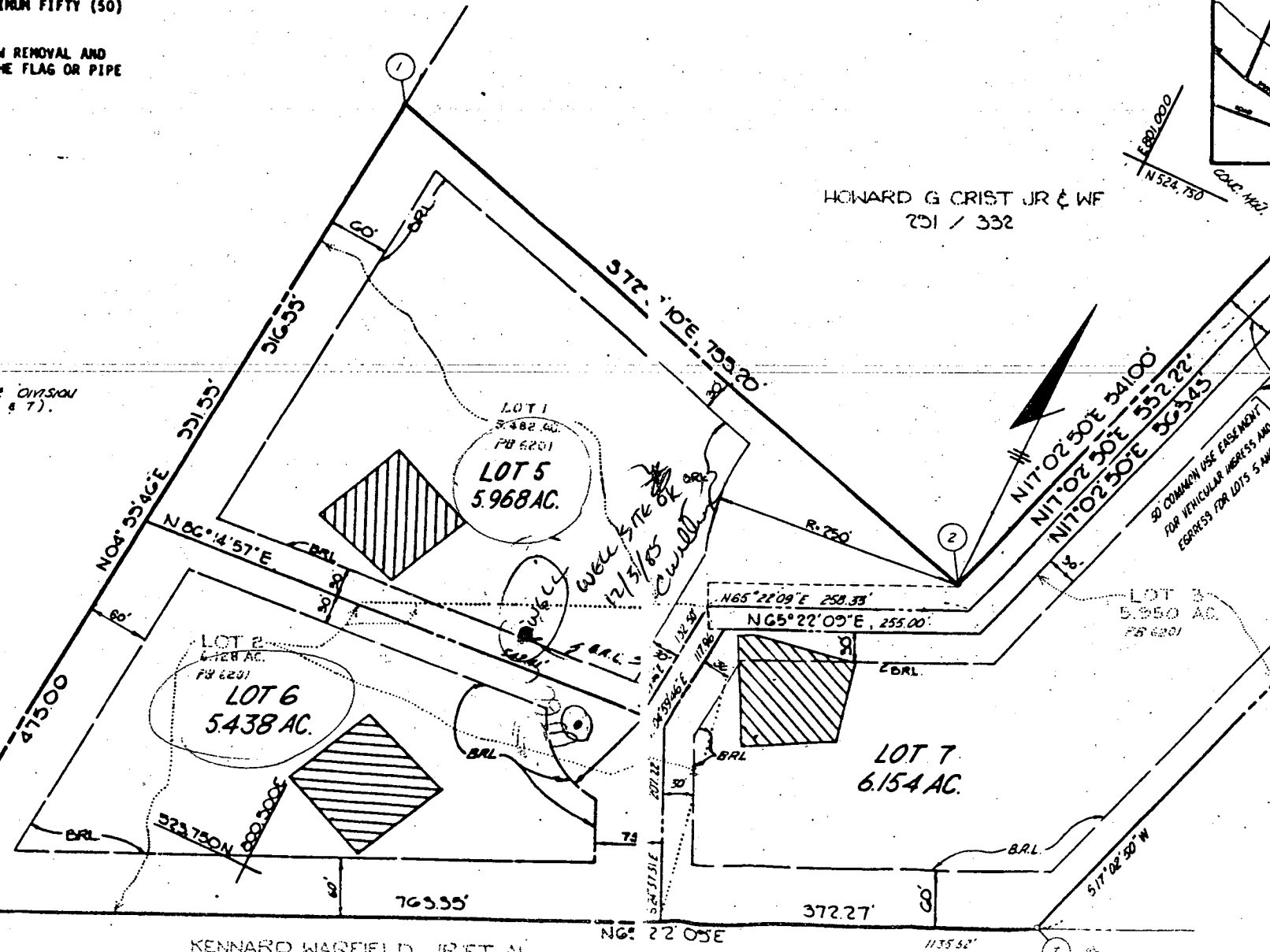
COORDINATES		
NO.	NORTH	EAST
1	524 493.869	800 292.911
2	524 272.475	801 014.930
3	524 789.705	801 173.530
4	524 789.286	801 176.461
5	524 711.318	801 463.280
6	524 701.757	801 440.349
7	523 979.364	801 239.834
8	523 506.079	802 206.558

THE PURPOSE OF THIS PLAN IS TO REVISE THE DIVISION LINES BETWEEN LOTS 1 THRU 3 (NEW LOTS 5, 6 & 7).

MAE B MUSGROVE  
188 / 140

REGULATIONS THIS SUBMISSION

2 OF LOTS AND DIMENSIONS TO BE REVISION 3



HOWARD G CRIST JR & WF  
751 / 332

90' COMMON USE EASEMENT  
FOR VEHICULAR ACCESS AND  
EGRESS FOR LOTS 5 AND 7

KENNARD WARFIELD D. 18 FT. AL

1135 52'

C1 9462 SEQUENCE NO. (OEP 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

COUNTY NUMBER

DATE RECEIVED

DATE WELL COMPLETED

Depth of Well (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER: WARFIELD KENN; STREET OR RFD: BURNT WOODS RD; TOWN: GLENELG; SUBDIVISION: WB PROPERTY - KENN WARFIELD; SECTION: ; LOT: 5

WELL LOG table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing. Includes entries for Top Soil, Sandy, Sand Stone, MICKA, Sand Stone, MICKA.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y/N), TYPE OF GROUTING MATERIAL: CEMENT BENTONITE CLAY, NO. OF BAGS: 15, NO. OF POUNDS: 1500, GALLONS OF WATER: 25, DEPTH OF GROUT SEAL: from 0 to 30 ft.

CASING RECORD: casing types (ST, CO, PL, OT), MAIN CASING TYPE: PL, Nominal diameter: 6 inch, Total depth of main casing: 80 feet.

OTHER CASING (if used) table with columns: diameter inch, depth (feet) from, to.

SCREEN RECORD: screen type or open hole (ST, BR, HO, PL, OT), SLOT SIZE: 1, 2, 3, DIAMETER OF SCREEN: (NEAREST INCH).

SCREEN DEPTH table with columns: DEPTH (nearest ft.), rows for EACH SCREEN.

A CIRCLE APPROPRIATE LETTER 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 10.17.13 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT...

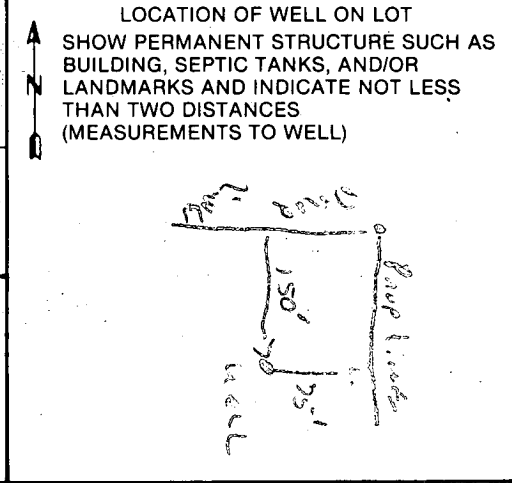
DRILLERS IDENT. NO.: 223; DRILLERS SIGNATURE: Ralph Mayne; SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee):

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

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER): T (E.R.O.S.), WQ, TELESCOPE CASING, LOG INDICATOR, OTHER DATA.

PUMPING TEST: HOURS PUMPED: 6; PUMPING RATE: 1 gal. per min; METHOD USED TO MEASURE PUMPING RATE: Bucket; WATER LEVEL BEFORE PUMPING: 17; WHEN PUMPING: 27.5; TYPE OF PUMP USED: submersible.

PUMP INSTALLED: DRILLER WILL INSTALL PUMP YES NO; IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE; CAPACITY: GALLONS PER MINUTE; PUMP HORSE POWER; PUMP COLUMN LENGTH; CASING HEIGHT: above/below LAND SURFACE.



**FIELD DATA SHEET**  
**HOWARD COUNTY WELL YIELD TEST**

Well Permit No. HO - 81-1248  
 Location of property (road) off Burnt woods rd  
 Subdivision WB - Property Lot 5 Block — Plat — Sec. —  
 Well Driller Ralph MAYNE Owner Kenward WARFIELD

Depth of well 300 ft  
 Distance of measuring point (M.P.) above ground 2 ft  
 Static water level (S.W.L.) below M.P. 19 ft

I. High rate pumping -- reservoir drawdown

Time pump started 7:45 Pumping rate 10 G.P.M.  
 Total time 1 1/2 hrs to reach pumping water level 270 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 $\frac{1}{2}$ gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
9:15	275 ft	60 sec	—	1 G.P.M.
9:30	275 ft	60 sec	—	1 G.P.M.
9:45	275 ft	60 sec	—	1 G.P.M.
10:00	275 ft	60 sec	—	1 G.P.M.
10:15	275 ft	60 sec	—	1 G.P.M.
10:30	275 ft	60 sec	—	1 G.P.M.
10:45	275 ft	60 sec	—	1 G.P.M.
11:00	275 ft	60 sec	—	1 G.P.M.
11:15	275 ft	60 sec	—	1 G.P.M.
11:30	275 ft	60 sec	—	1 G.P.M.
11:45	275 ft	60 sec	—	1 G.P.M.
12:00	275 ft	60 sec	—	1 G.P.M.
12:15	275 ft	60 sec	—	1 G.P.M.
12:30	275 ft	60 sec	—	1 G.P.M.
12:45	275 ft	60 sec	—	1 G.P.M.
1:00	275 ft	60 sec	—	1 G.P.M.
1:15	275 ft	60 sec	—	1 G.P.M.
1:30	275 ft	60 sec	—	1 G.P.M.
1:45	275 ft	60 sec	—	1 G.P.M.
2:00	275 ft	60 sec	—	1 G.P.M.
2:15	275 ft	60 sec	—	1 G.P.M.
2:30	275 ft	60 sec	—	1 G.P.M.
2:45	275 ft	60 sec	—	1 G.P.M.
3:00	275 ft	60 sec	—	1 G.P.M.
3:15	275 ft	60 sec	—	1 G.P.M.

80 FT PL 50 FT screen 15 days

OK  
 497 gal / 2hr  
 close to 500 gal



HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH

PUMP INSTALLATION

THE FOLLOWING STATEMENT MUST BE COMPLETED BY THE HOME OWNER  
WHEN A PUMP IS INSTALLED BY A PERSON OTHER THAN THE WELL  
DRILLER:

My well driller is not to install the pump for my water well, and I  
hereby certify that it will be my responsibility to have a Pump Permit  
taken out by a registered master plumber or certified pump installer.  
It will be my responsibility to notify the Health Department before  
and during the installation so that inspections can be made by their  
representative. (Pursuant to Chapter XVII, of the Plumbing Code of  
Howard County.)

Kenneth Warfield, Jr.  
(Name)

14663 Madelphia Rd.

Genely. Md. 21737  
(Address)

HO 81 1248  
(OEP Well Permit Number)

11-13-85  
(Date)

Lot 5 - Burrstroads Rd.