

4/27/98  
3PM - Pkg-CONTRA,  
4/28/98  
Dm C.O.

5/26/98  
WPI ANYTIME  
SK PLUMBING

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 59863  
A 50617-A

DISTRICT 3rd

03-322211

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

DATE 3-11-98

INDEXED

DATE SYSTEM APPROVED 4/28/98

INSPECTOR M. Ripkin

Arnold Backhoe & Septic Services IS PERMITTED TO INSTALL X ALTER

ADDRESS P. O. Box 15, Woodbine, Maryland 21797 PHONE 410-795-7873

SUBDIVISION Woodford's Grant LOT 1 ROAD 11406 Barley Field Way

PROPERTY OWNER Trinity Custom Homes

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

**\*\*\*CALL HEALTH DEPARTMENT FOR LAYOUT CHECK PRIOR TO BUILDING PERMIT SIGNED AND RETURNED\*\*\***  
7-1405 800155067-16 POOL

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 the distribution box 155 feet off the front lot line and 95 feet off the left lot line as seen when facing the lot from Barley Field Way. Run first two trenches on contour towards the driveway; run other trenches in both directions.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. 2/24/98 OK Amy McMiller

PLANS APPROVED BY Donna K. Soe DATE 2/17/98

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

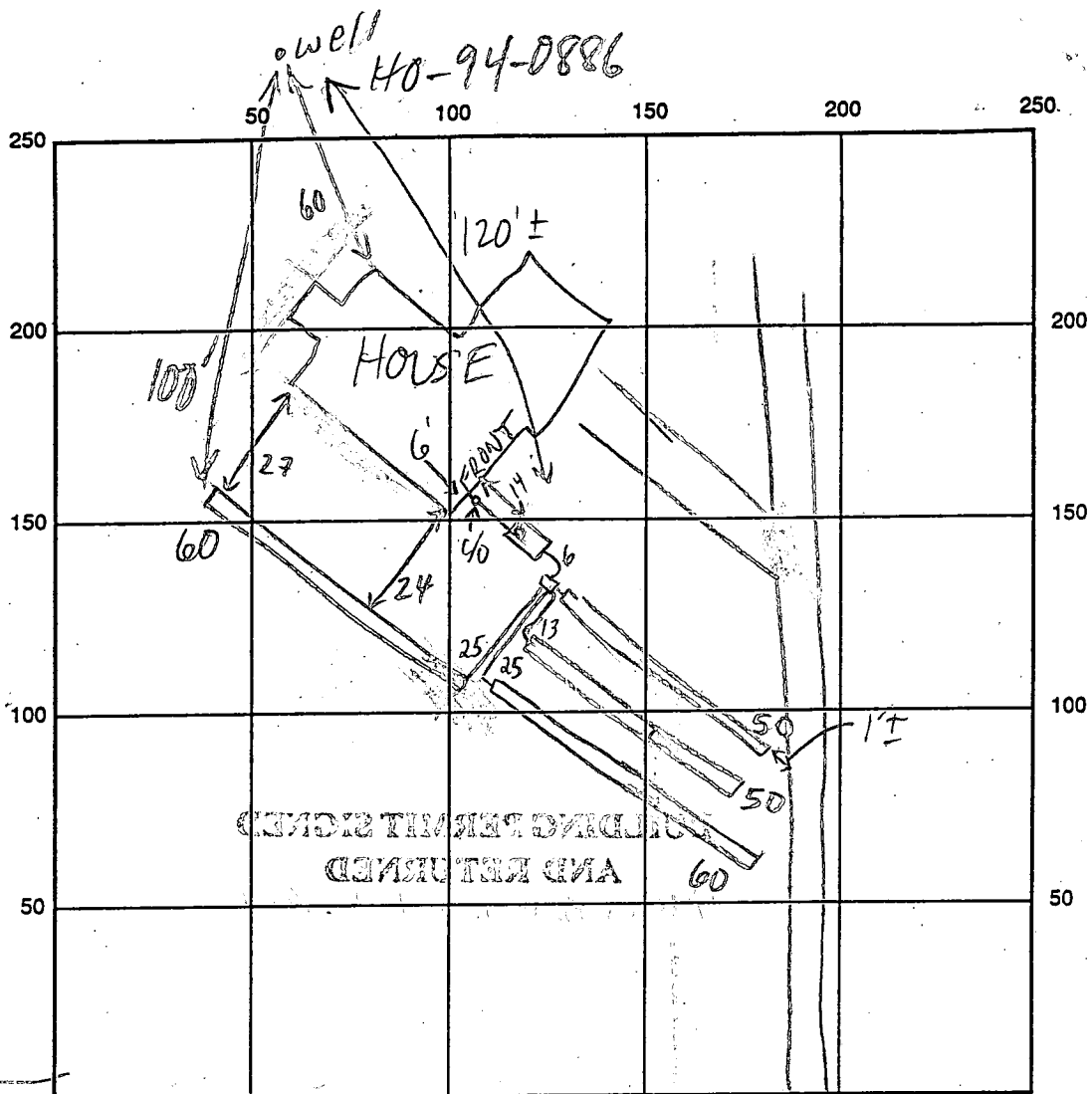
PERMIT VOID AFTER TWO YEARS

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**

A 50617A



BAKLEY FIELD WAY INDICATING NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 1250 GAL - OK CLEANOUTS INLINE + S.T. - 8" OK

DISTRIBUTION BOX LEVEL OK - BAFFLE IN

DRAIN FIELD/TITLE DEPTH 5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 2 @ 60 FT. <sup>2 @ 50</sup>

NUMBER OF TRENCHES 4 ~~ONE SIDEWALL~~ BOTTOM AREA 2 @ 150 SQ. FT. <sup>2 @ 180</sup>

DRYWALL INSIDE DIAMETER      FT. EFFECTIVE DEPTH BELOW INLET      FT.

ABSORBENT AREA 660 SQ. FT.

REMARKS: 4/27/98 Preconstruction site insp - Minimum 50' trench length in 1st  
maybe 2nd trench not possible - install as much as will fit even if < 50' in  
length & 4/28/98 OK TO COVER ALL (MRE)  
5.26.98 WPT nk to cover, line skewed P.A. 4.0' below grade, casing  
2.0' above grade, has 2 piece cap KM

DATE SYSTEM APPROVED 4/28/98 INSPECTOR M. Ripkin

# APPLICATION

PERCOLATION TESTING

A 50617-A

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

*ENTON ULA  
Route 99*

DISTRICT \_\_\_\_\_

DATE 3-30-95

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Thomas Powell ~~c/o Land Design & Development, Inc.~~ *Trinity Custom Homes*

ADDRESS 10805 Hickory Ridge Rd., Columbia 21044 PHONE (410) 740-2100

AGENT OR PROSPECTIVE BUYER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION Powell Property LOT NO. 1

ROAD AND DESCRIPTION off of Marriottsville Road, Howard County, MD

11406 BARLEY FIELD WAY

TAX MAP 10 PARCEL # 27, 29, 151

**OLD PERMIT SIGNED**

**AND RETURNED 2-17-98**

*Quail # 10109283*

SIZE OF LOT 40,000 sq. ft. TYPE BLDG. single family home - 4 Brms.  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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.

*[Signature]*  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

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

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

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

# THIS IS NOT A PERMIT

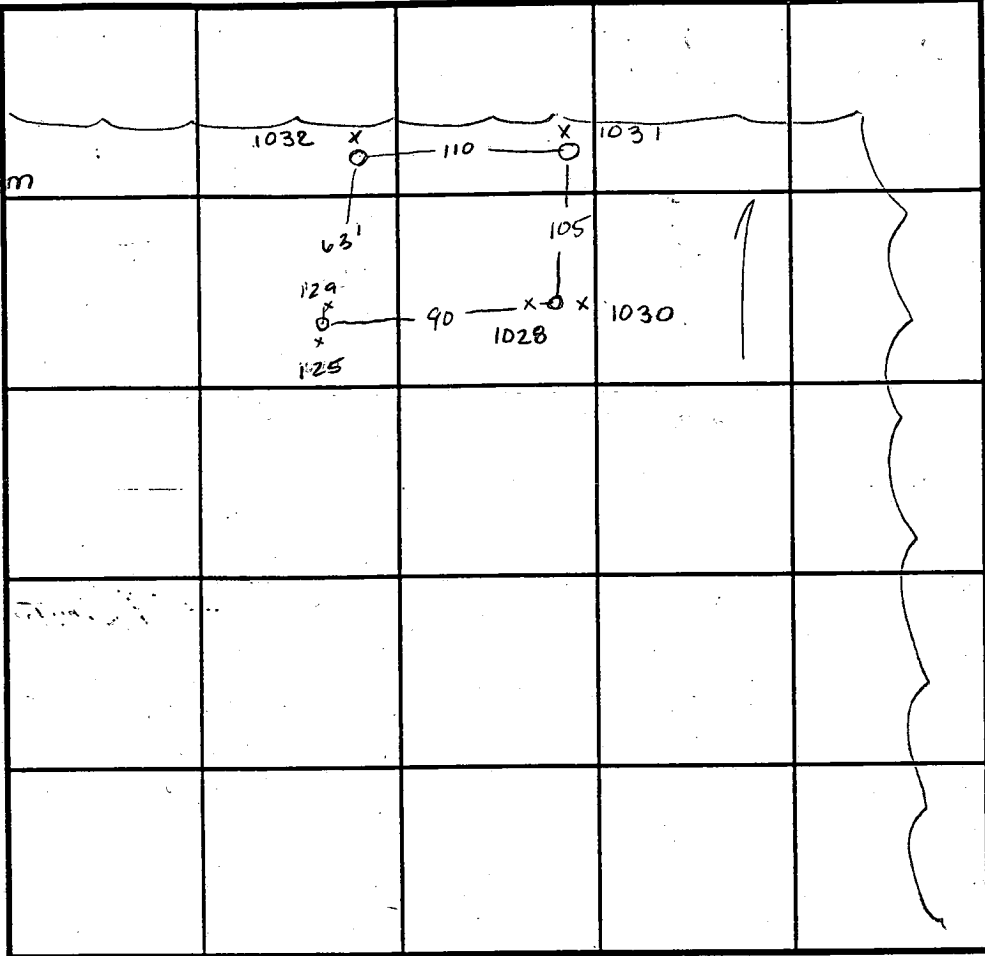
A 50617-A

COUNTY #

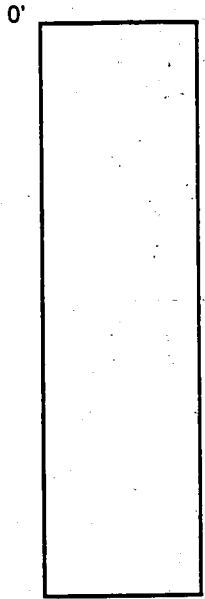
SOIL PROFILE

0' 1031 1028  
 brn mica CL  
 4' grey brn SL mica many large chunks of mica shale saprolite very decayed throughout  
 12'

hard bottom at 10'



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

1032  
 2' brn CSL  
 greyish brn (from parent rock) SSIL mica, shale saprolite throughout 20%  
 10' hard bottom

1025  
 3' dark brn mica SL  
 tan to beige mica loam  
 chunks 1-2" of mica Saprolite few 5" rocks <5%  
 12'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11-22-94	1031	Visual to 12'					OK
	1028	4' V10	5:04	5:04 <sup>15</sup>	5:04 <sup>15</sup>	5:04 <sup>45</sup>	30sec
	1028	repour	5:05	5:06	5:06	5:07	1min
	1028	8' V10	5:06	5:07 <sup>15</sup>	5:07	5:09	2min
	1032	3' V10	5:14	5:15 <sup>30</sup>	5:15	5:18	2 1/2 min
	1025	3' V12'	8:19 <sup>30</sup>	8:19 <sup>45</sup>	8:19 <sup>45</sup>	8:20 <sup>15</sup>	30sec
	1025	repour	8:20 <sup>30</sup>	8:21 <sup>30</sup>	8:21 <sup>30</sup>	8:23 <sup>30</sup>	2min

REMARKS shallow system only  
 TYPE OF SOIL \_\_\_\_\_  
 TESTED BY Amy McMillan ALSO PRESENT Ketterman  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 2 min TRENCH WIDTH 3'  
 INLET DEPTH 3' MAXIMUM BOTTOM DEPTH 5' SQ. FT./BEDROOM 180 ft<sup>2</sup>



B 1 **3044** SEQUENCE NO. (DP USE ONLY)

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

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

STATE PERMIT NUMBER  
**H0-94-0886**  
70 fill in this form completely 78

Date Received (APA) **053196**

**OWNER INFORMATION**

**POWER PROP** 301 W **HOWARD**  
15 Last Name 13 Owner 34 First Name

**10805 WICKORY RIDGE**  
36 Street or RFD 55

**COLUMBIA** **MD 21044**  
57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL

**HOWARD** COUNTY  
8 COUNTY 21

**WOODFORDS GRANT**  
23 SUBDIVISION 42

SECTION **1** LOT **1**  
44 46 48 50

**MARRIOTTSVILLE**  
52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) **2** MI  
73 76 77 78

**DRILLER INFORMATION** **WAYNE E HARLEY** MSD MGD  
**CARL W STOFF** **048**

Driller's Name 77 License No. 80

Firm Name **HARLEY DRILLING & PUMP SYSTEMS**

Address **Box 160 WALKERSVILLE, MD 21793**

Signature **Wayne E Harley** Date **5-27-96**

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

NEAR WHAT ROAD **MARRIOTTSVILLE RD**  
11 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

DISTANCE FROM ROAD **500**  
34 37

ENTER FT OR MI **FT**  
38 39

TAX MAP: \_\_\_\_\_ BLK: \_\_\_\_\_ PARCEL \_\_\_\_\_

B 2 WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) **3**

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **800**

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** **A50617-A**  
COUNTY NAME COUNTY NO.

STATE SIGNATURE \_\_\_\_\_ INSERT S \_\_\_\_\_

DATE ISSUED **080196** **A. M. Miller** **8/1/97**  
43 48 CO SIGNATURE EXP. DATE

NORTH GRID **548000** EAST GRID **828000**  
50 55 57 63

APPROXIMATE DEPTH OF WELL **200** FEET  
24 28

APPROXIMATE DIAMETER OF WELL **6** INCH 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)

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

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) \_\_\_\_\_

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

APPROP. PERMIT NUMBER **H095GAP018**  
54 63

FORCE **AM** WRITE INITIALS IN BOX PERMIT No. **H0-94-0886**  
67 68 70 71 72 73 74 75 76 77 78 79

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

- well**
- 
- 

WRITE THE BOX NUMBER FROM THE MAP HERE

**828**  
**548**

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

**LOT # 1**

7995

SEQUENCE NO. (MDE 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 C.O.S. 3-6 ON ALL CARDS)

COUNTY NUMBER (A50617-A)

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL" A0-94-0886

OWNER Powell Property Joint Venture last name first name STREET OR RFD Marriottsville TOWN Marriottsville SUBDIVISION Woodford's Grant SECTION LOT 1

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: BROWN SHALE, BLUE ROCK, 0-31, 31-285, 65', 280'.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y/N) TYPE OF GROUTING MATERIAL (Cement CM, Bentonite Clay BC) NO. OF BAGS 11 NO. OF POUNDS 1034 GALLONS OF WATER 66 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 43 ft.

CASING RECORD

MAIN CASING TYPE PL Nominal diameter top (main) casing (nearest inch) 6" Total depth of main casing (nearest foot) 43

OTHER CASING (if used)

Table for other casing with columns for diameter (inch) and depth (feet).

SCREEN RECORD

screen type or open hole (H O) insert appropriate code below

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED (Y/N)

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 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.

TYPE: MWD(MSD)MGD DRILLERS LIC. NO. 043

DRILLERS SIGNATURE (Must match signature on application)

LIC. NO.

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

DEPTH (nearest ft.) H O 43 285

Table for casing height and land surface with columns for depth (feet).

SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH)

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W.Q

TELESCOPE CASING LOG INDICATOR OTHER DATA

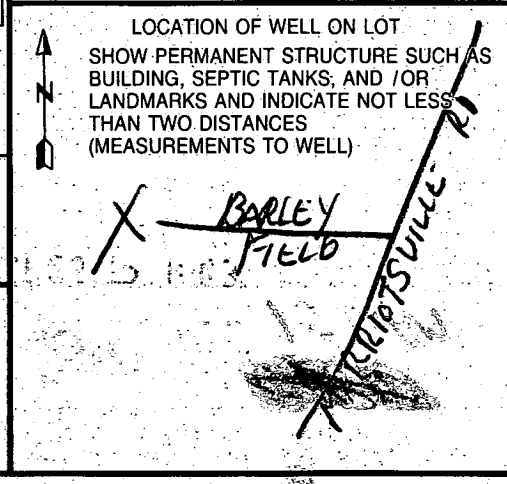
C 3

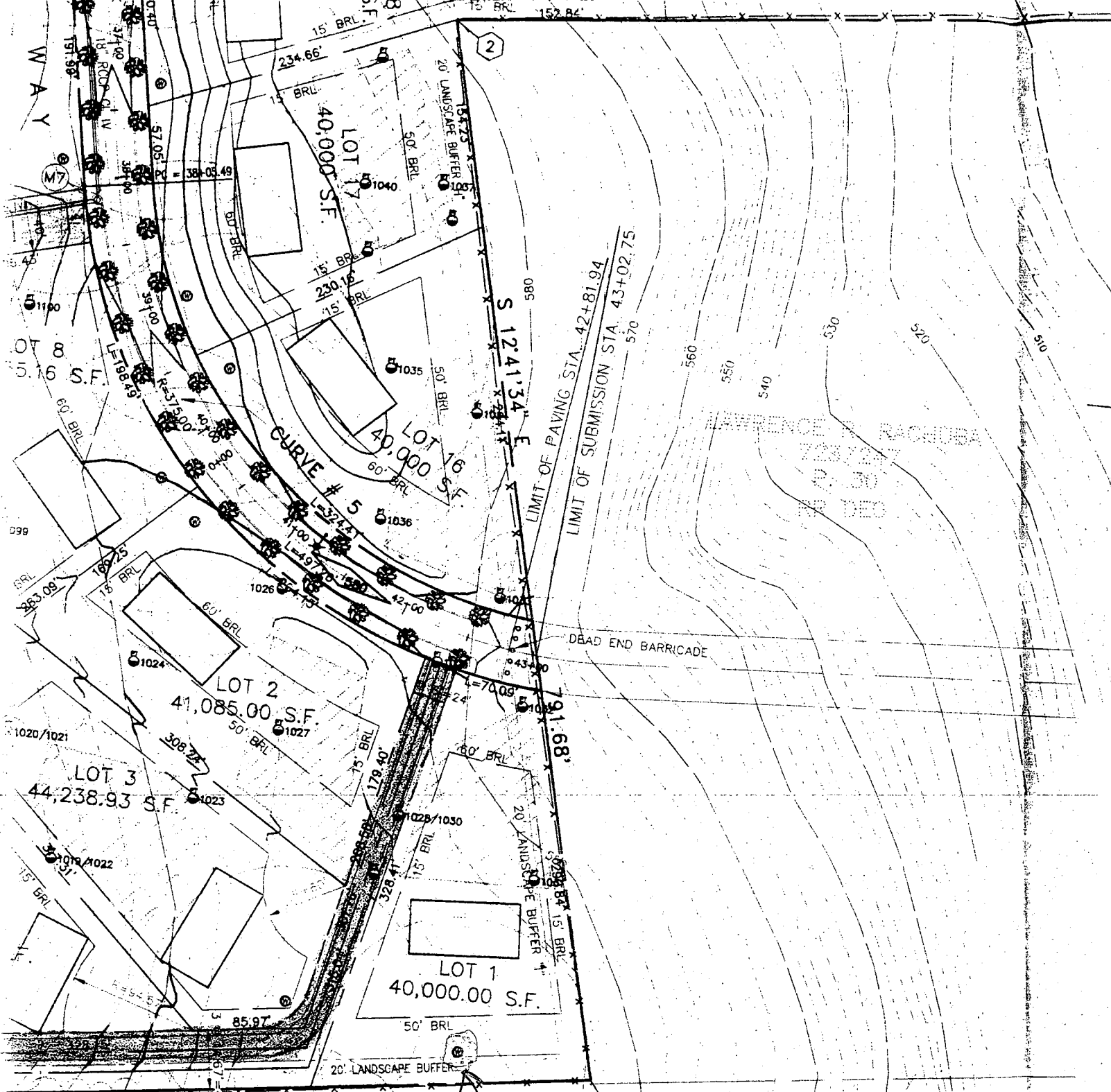
PUMPING TEST

HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 15 METHOD USED TO MEASURE PUMPING RATE SWB WATER LEVEL (distance from land surface) BEFORE PUMPING 80 ft. WHEN PUMPING 200 ft. TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED

DRILLER WILL INSTALL PUMP (CIRCLE) (YES or NO) YES (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) PUMP HORSE POWER PUMP COLUMN LENGTH (nearest ft.) CASING HEIGHT (circle appropriate box and enter casing height) LAND SURFACE (nearest foot)





LOTS 3, 4, 5, & 6.

VINCENT  
 644  
 8/11/96  
 WALL SITE OK  
 AS STAKED  
 ALM

REFERENCE TO RACIDBA  
 7292247  
 2.30  
 RP DEO

LIMIT OF PAVING STA. 42+81.94  
 LIMIT OF SUBMISSION STA. 43+02.75

DEAD END BARRICADE

WAY

2

3



3.42 ACRES

LOT 13  
R.R. RHODY  
750/438  
P. 273  
RR DEC

LOT 12  
CHN R. BURNS  
644/17  
P. 216  
RR DEC

LOT 11  
VINCENT J. VECERA  
644/13  
P. 215  
RR DEC

LOT 6  
59,955.22 S.F.

LOT 5  
50,717.57 S.F.

LOT 4  
47,142.02 S.F.

LOT 3  
44,238.93 S.F.

LOT 2  
41,085.00 S.F.

LOT 1  
40,000 S.F.

WETLAND  
WA-1  
WA-2  
WA-3  
WA-4  
WA-5  
WA-6  
WA-7  
WA-8

J.E. SHIFFLETT  
263/116  
P. 152  
RR DEC

LOT 8  
42,655.16 S.F.

LOT 17  
40,000 S.F.

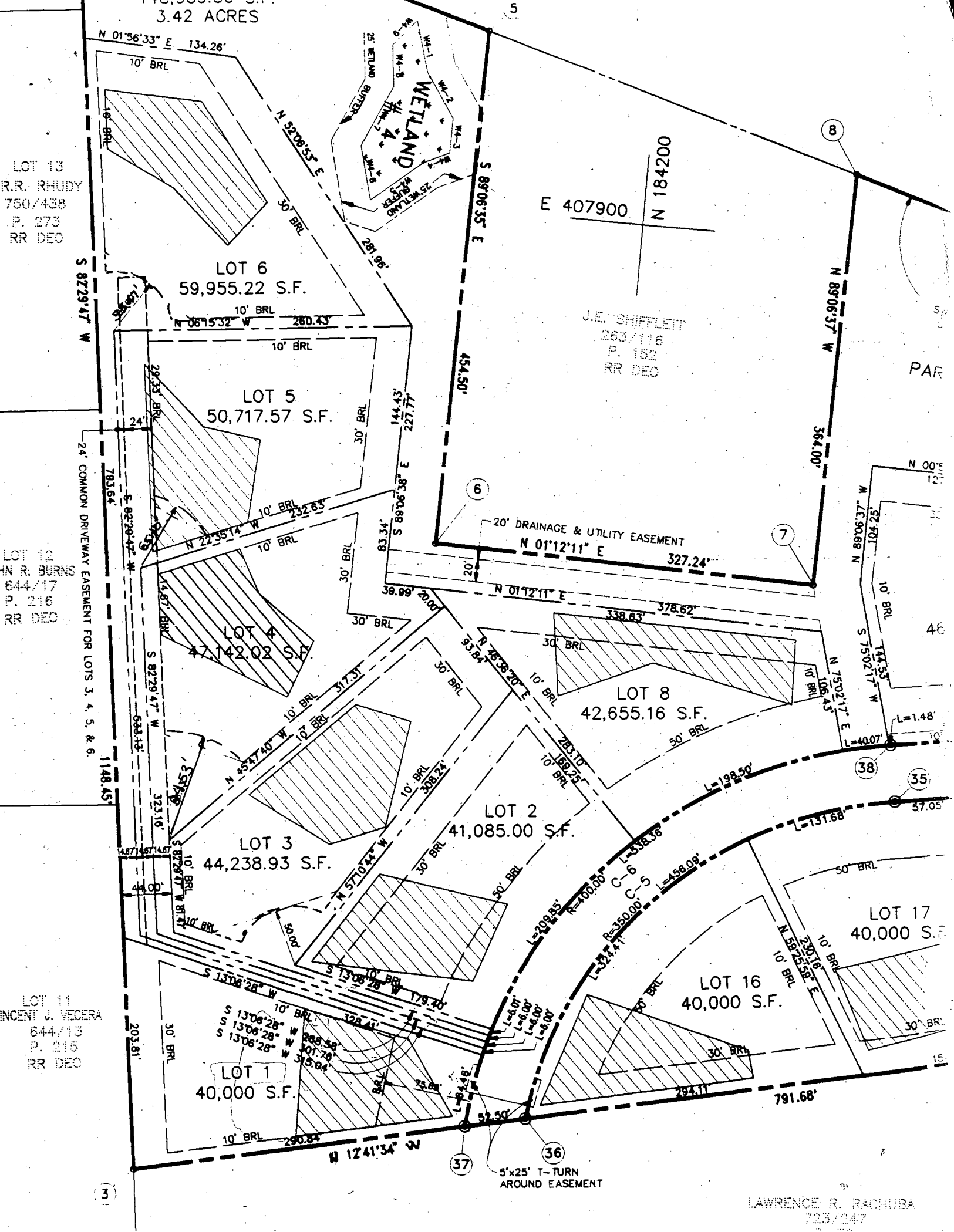
LOT 16  
40,000 S.F.

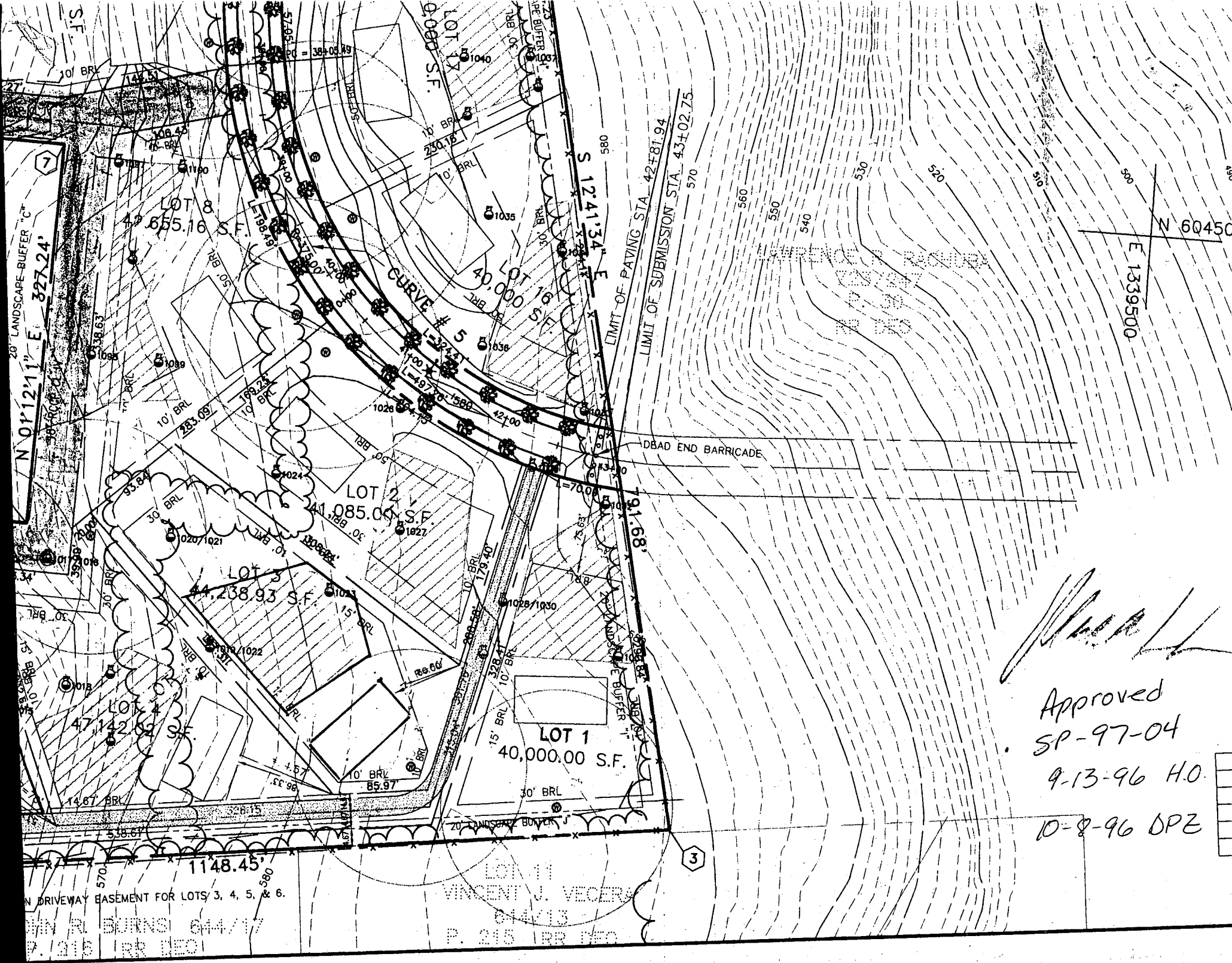
24' COMMON DRIVEWAY EASEMENT FOR LOTS 3, 4, 5, & 6.

20' DRAINAGE & UTILITY EASEMENT  
N 01°12'11" E

5'x25' T-TURN  
AROUND EASEMENT

LAWRENCE R. RACHUBA  
723/247





*[Handwritten signature]*

Approved  
 SP-97-04  
 9-13-96 H.O.  
 10-8-96 DPZ

DRIVEWAY EASEMENT FOR LOTS 3, 4, 5, & 6.  
 VIN R. BURNSI 644/17  
 P. 215 BR DEC

VINCENT J. VECERA  
 644/13  
 P. 215 BR DEC



TUES JAN 13  
CALL  
GEOFF

**HOWARD COUNTY HEALTH DEPARTMENT**

Joyce M. Boyd, M.D., County Health Officer  
January 2, 1998

RESOLVED  
- NEW SEPTIC PLAN

Mr. Michael Pfau  
Trinity Custom Homes, Inc.  
6212 Devon Drive  
Columbia, Maryland 21044

RE: Building Permit Application Serial  
Number: B00109283  
Woodford's Grant - Lot 1  
11406 Barley Field Way

Dear Mr. Pfau:

This is to request that you contact this office to schedule a conference to discuss Health Department concerns with grading plans and septic system elevation detail pertaining to the above referenced building permit application.

Issues include:

- Impact of proposed driveway lot on septic area
- Trench configuration suitable to irregularly shaped septic area
- House footprint and location critical in maintaining adequate separation from septic area
- Protecting septic area from unnecessary disturbance from general site construction activity
- Opportunity for provision of basement service.

Some of the issues are specific to this application only; but, many are germane to the building permit review process in general. For that reason I would also encourage the signatories to the site development plan (Nelson Clark and Geoffery Shoming) to participate in the discussion.

More minor concerns with proposal for Woodford's Grant, Lot 13 and for Bridlewood, Lot 8 can also be discussed at this time.

Thank you for your cooperation in this matter.

Very truly yours,

Craig Williams, Program Director  
Water and Sewerage Program

CW:jr

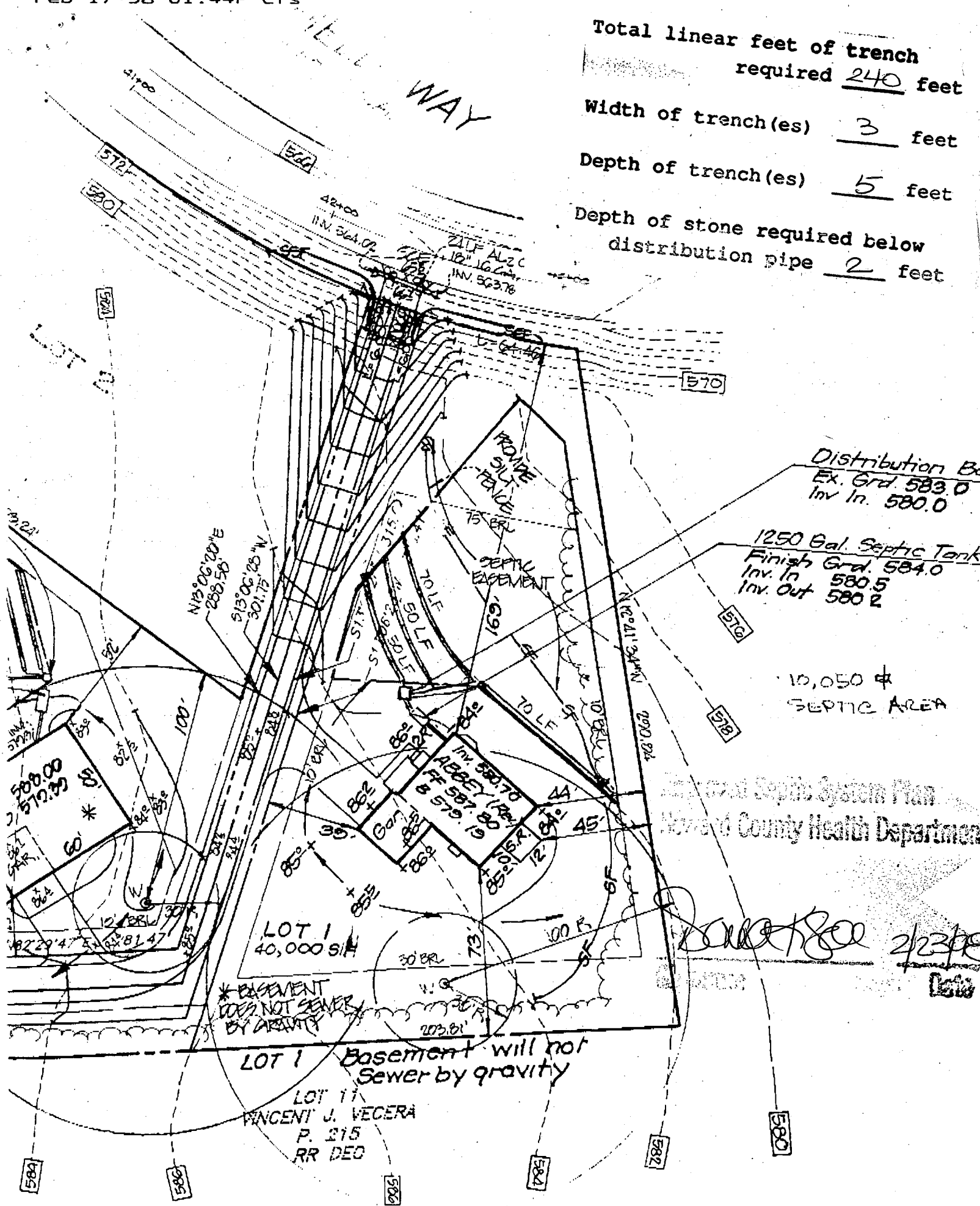
cc: G. Nelson Clark, Clark-Finefrock & Sackett, Inc.  
Geoffery Shoming, Soil Conservation Office  
File

Total linear feet of trench required 240 feet

Width of trench(es) 3 feet

Depth of trench(es) 5 feet

Depth of stone required below distribution pipe 2 feet



Proposed Septic System Plan  
Howard County Health Department

*[Signature]* 2/23/98  
Date

LOT 1 Basement will not Sewer by gravity

LOT 11  
VINCENT J. VECERA  
P. 215  
RR DEC

