

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 59280

A 50387

DISTRICT 3rd

DATE 12-24-97  
~~11-10-97~~

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

# 319636

INDEXED

DATE SYSTEM APPROVED 3/6/98

INSPECTOR DKS

Arnold Backhoe and Septic Service IS PERMITTED TO INSTALL  ALTER

ADDRESS P.O. Box 15 Woodbine, Maryland 21797 PHONE (301) 774-3869

SUBDIVISION Benson Branch Estates LOT 6 ROAD 13149 Benson Estates Court

PROPERTY OWNER NORMAN WINDE Trinity Custom Homes, Inc.

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 - Beginning from the intersection of the 176.00' and 328.09' lot lines, place distribution box 160 feet up the 328.09' lot line and 110 feet off that same lot line. Run trenches on contour toward the 328.09' 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. OK 12/3/97 DKS

PLANS APPROVED BY Amy McMillen REVISED \_\_\_\_\_ DATE 11/18/97

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

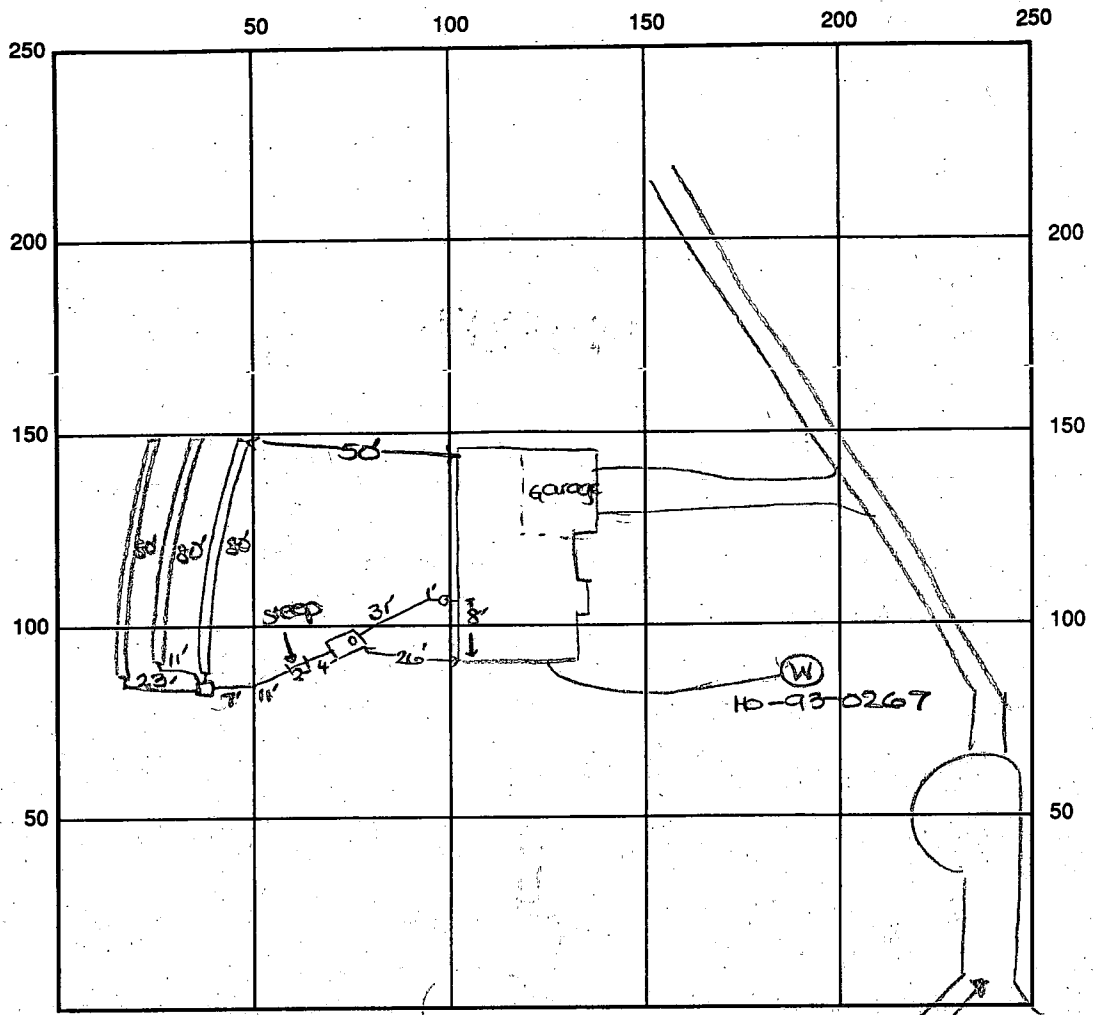
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

PDG. PERMIT [REDACTED]  
ONE RETURNED 800123064  
Sun Room, Siding + crawl space  
3/23/2000  
12/1/2002 GARAGE 800139671

A 50387



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE  
 Benson Estates Court

SEPTIC TANK LEVEL OK - 1250 gal CLEANOUTS one at house, one on site  
 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 3 x 80 FT. → 240  
 NUMBER OF TRENCHES 3 ONE SIDEWALL BOTTOM AREA 720 SQ. FT.  
 DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.  
 ABSORBENT AREA — SQ. FT.

REMARKS: 3/6/98 FINAL INSP - OK to cover all work. DKS

3/6/98 WPI - well line, p.a. 3.5' below grade, \*well casing 6" above grade, 2-pc cap installed - OK to cover. DKS

DATE SYSTEM APPROVED 3/6/98 INSPECTOR DONALD JOE

\* letter sent 3/6/98 \*



PRESERVATION

PARCEL

LOT 5

LOT 6  
43,257<sup>±</sup>

Private Sewerage Easement,  
see General Note No. 1 Pl.  
No. 12133.

S 57° 48' 46" E  
N 48° 23' 31" E

120.99'

S 47° 54' 51" W

50' BRL

15' BRL

HIT

15' BRL

B00139671  
121112002  
GARAGE  
ADDITION  
15' x 26'

#13149

30' E

Macadam Driveway

111' WELL

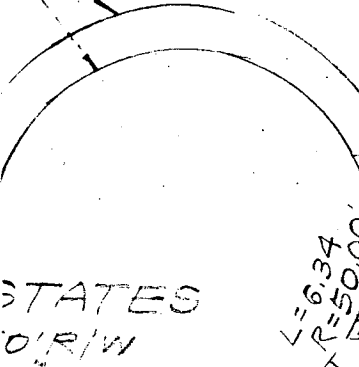
BRL

328.09'

15' BRL

176.00'

20' Public Drainage And  
Utility Easement  
Plat No. 12135



STATES  
D/R/W

390.46'  
20.40'  
S 82° 48' 39" E  
55.45'  
S 82° 45' 53" E  
N 32° 45' 53" W  
60.28'

Macadam Driveway

Private Use-In-Common Driveway,  
Access Easement For The Benefit  
of Lots 6, 7, 8 And 9. Maintenance  
Agreement Recorded Among The  
Land Records of Howard Co., Md.

LOT 8

C1 0239

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 COLS. 3-6 ON ALL CARDS)

COUNTY NUMBER A 50387 H

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER Trinity Custom Homes, STREET OR RD Benson Estates Ct., TOWN Ellicott City, SUBDIVISION Benson Branch Estates SECTION, LOT 6

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Top Soil, Sandy Sandstone, MICKA Sandstone, MICKA.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (C.M., BENTONITE CLAY BC), NO. OF BAGS 14, NO. OF POUNDS 1400.

CASING RECORD: MAIN CASING TYPE (PL), Nominal diameter top (nearest inch) 6, Total depth of main casing (nearest foot) 54.

OTHER CASING (if used) table with diameter and depth fields.

SCREEN RECORD: screen type or open hole (HO), insert appropriate code below.

NUMBER OF UNSUCCESSFUL WELLS: 0, WELL HYDROFRACTURED (Y/N)

CIRCLE APPROPRIATE LETTER: A (well abandoned), E (electric log), P (test well converted).

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...

TYPE: MWD/MSD/MGD, DRILLERS LIC. NO. 116, Driller Signature: Ralph Mame

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION), LIC. NO. 117, Driller Signature: Ralph Mame

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

DEPTH (nearest ft.) table with rows 1-3 and columns for depth measurements. Includes SLOT SIZE and DIAMETER OF SCREEN.

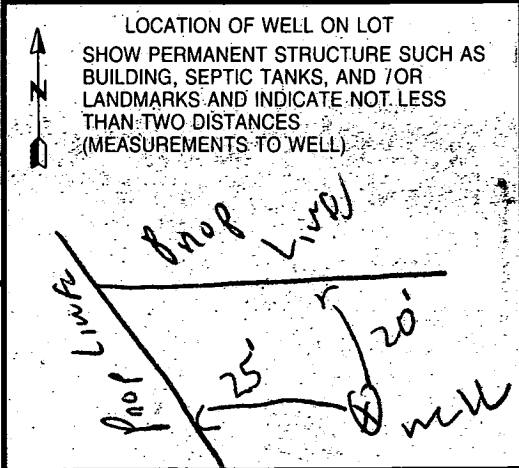
GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.), W Q (74, 75, 76)

TELESCOPE CASING, LOG INDICATOR, OTHER DATA

PUMPING TEST: HOURS PUMPED (6), PUMPING RATE (2), METHOD USED TO MEASURE PUMPING RATE (Bucket), WATER LEVEL (31 ft. before, 235 ft. when pumping), TYPE OF PUMP USED (S - submersible).

PUMP INSTALLED: DRILLER WILL INSTALL PUMP (NO), TYPE OF PUMP INSTALLED PLACE (29), CAPACITY: GALLONS PER MINUTE, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT (+ above, - below).



**B-1** 0650 SEQUENCE NO. (MDE 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

STATE PERMIT NUMBER  
HO-93-0267  
 fill in this form completely

Date Received (APA) 112195

**OWNER INFORMATION**

TRINITY CUSTOM HOMES  
 15 Last Name 13 Owner 34 First Name

G212 DEWON DR.  
 36 Street or RFD 55

COLUMBIA MD 21044  
 57 Town 70 State 72 Zip 76

**DRILLER INFORMATION**

Ralph MAYNE CIRCLE MSP/MGD/MWD  
 116  
 Driller's Name License No. 80

Ralph MAYNE (well Drilling)  
 Firm Name

9120 Brown Church Rd. Mt. Airy  
 Address

Ralph Mayne 11/16/95  
 Signature Date

**B-2 WELL INFORMATION**

APPROX. PUMPING RATE (GAL PER MIN.) 5

AVERAGE DAILY QUANTITY NEEDED (GAL PER DAY) 500

**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)

APPROXIMATE DEPTH OF WELL 150 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 DEEPEINED 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 DEEPEIN AN EXISTING WELL

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

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

APPROX. PERMIT NUMBER \_\_\_\_\_ GAP \_\_\_\_\_

FORCE DS WRITE INITIALS IN BOX PERMIT No. HO-93-0267

SPECIAL CONDITIONS  
 NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED. 410-730-3137

**B-3 LOCATION OF WELL**

HOWARD  
 8 COUNTY

BENSON BRANCH EST.  
 23 SUBDIVISION 42

SECTION 7 LOT 6  
 44 46 48 50

GLENEZZE ELLICOTT CITY  
 52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) 7 MI  
 73 76 77 78

**B-4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)**

NE

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
WEST

DISTANCE FROM ROAD 250 ENTER FT. OR MI 45

TAX MAP: 22 BLK: \_\_\_\_\_ PARCEL: 16

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard COUNTY NAME COUNTY NO. A 50387 H

STATE SIGNATURE \_\_\_\_\_ DATE ISSUED 020996 INSERT S \_\_\_\_\_  
DOMINICK SOL EXP. DATE 2/8/97

43 NORTH GRID 523000 EAST GRID 0809000  
 50 55 57 63

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

523

Draw a sketch below showing location of well in relation to nearby towns and roads and give distance from well to nearest road junction

TRIOELPHIA Rd. 250'  
well

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

TRIOELPHIA Rd. 250'  
well

# APPLICATION

PERCOLATION TESTING

A 50387K

P \_\_\_\_\_

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

DISTRICT \_\_\_\_\_

DATE 11/10/94

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 Brandt c/o Land Design & Development, Inc. *Trinity Custom Homes, Inc*

ADDRESS 10805 Hickory Ridge Road PHONE (410) 740-2100  
Columbia, MD 21044

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

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

PROPERTY LOCATION:

SUBDIVISION Brandt Property LOT NO. 13 = Perc cert

ROAD AND DESCRIPTION Triadelphia Road (13149 Benson Estates Court)

BLDG. PERMIT SIGNED

AND RETURNED 11-18-92

*Serial # B0710 8879*  
*SFD-4Bom*

TAX MAP 22 PARCEL # 16, 398, 399

SIZE OF LOT 40,000/60,000 TYPE BLDG. single family dwelling  
(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.

*Mal A. K...*  
(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 \_\_\_\_\_

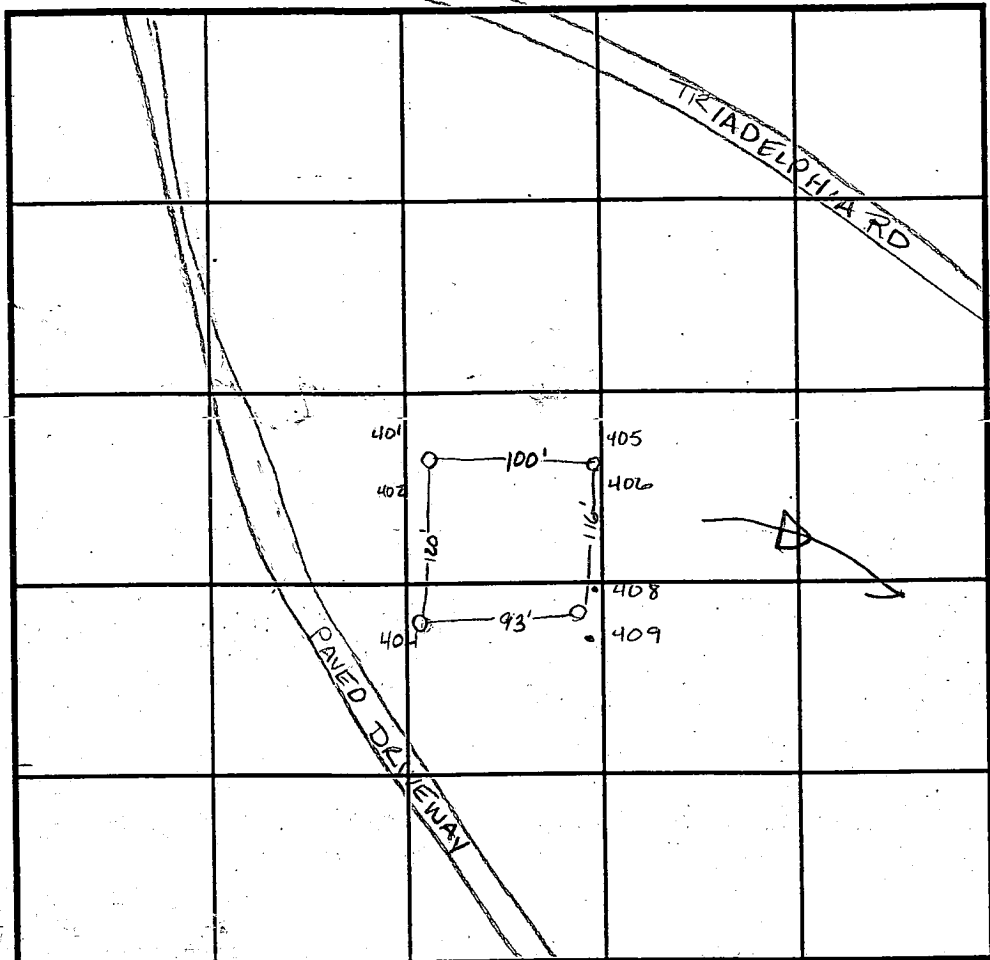
# THIS IS NOT A PERMIT

A50387K  
COUNTY #

LOT 13 8.15

SOIL PROFILE

0'  
Orange  
CL  
3.5'  
dk red sil  
some sa mica  
<50% shale frags  
OK  
12'



SOIL PROFILE

0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

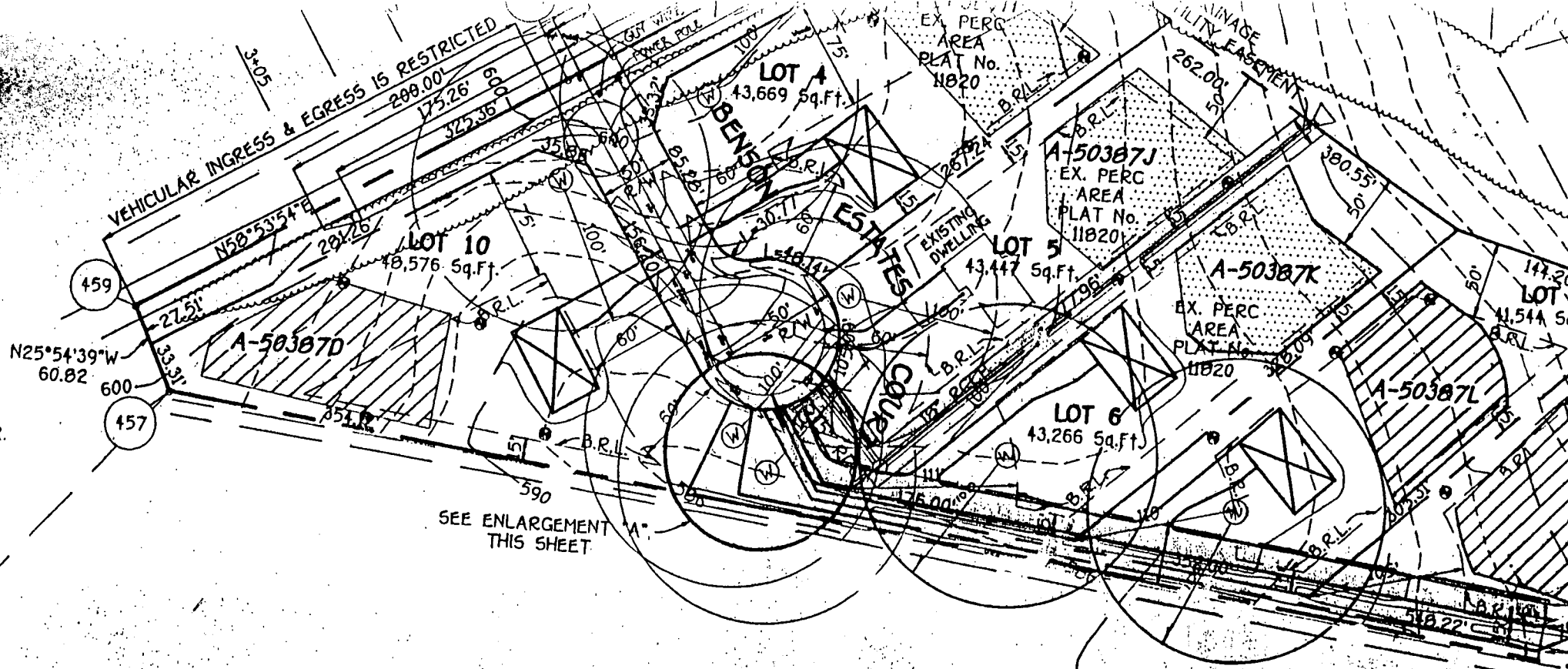
408/409  
orange brn c  
2.5'  
darker orange brn scl  
4'  
lgt tan s  
1" mica frags throughout  
OK  
12'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10-18-94	404	7' V12	7:38	7:39	7:39	7:40 <sup>30</sup>	1 1/2 min
	401	4' V12	7:39 <sup>30</sup>	7:40	7:40	7:40 <sup>30</sup>	30 sec
	404	repour	7:41 <sup>15</sup>	7:42	7:42	7:43	1 min
	409 408	3' V12	7:46 <sup>15</sup>	7:49	7:49	7:55 <sup>30</sup>	6 1/2 min
	401 402	Visual	to 11 1/2				OK
	405 406	3.5' V12	6:55 <sup>15</sup>	6:55 <sup>45</sup>	6:55 <sup>45</sup>	6:56 <sup>15</sup>	30 sec
	405 406	repour	6:56 <sup>30</sup>	6:57 <sup>45</sup>	6:57 <sup>45</sup>	6:59	1 1/4 min

REMARKS \_\_\_\_\_  
 TYPE OF SOIL Chester Silt loam  
 TESTED BY Amy McMillen ALSO PRESENT \_\_\_\_\_  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 3 min TRENCH WIDTH 2'  
 INLET DEPTH 3' MAXIMUM BOTTOM DEPTH 7' SQ. FT./BEDROOM 180 ft<sup>2</sup>

401/402  
405/406  
topsoil  
1'  
orange brn CL  
3.5'  
brn SL  
100% mica frags  
some shale  
OK  
12'





SEE ENLARGEMENT  
THIS SHEET

USE-IN-COMMON ACCESS  
EASEMENT ACROSS LOTS  
5, 6, 7, 8 AND 9 FOR THE  
BENEFIT OF LOTS 6, 7, 8 AND 9

PROPERTY OF  
BERNARD K. FEAGA  
L302 E.472

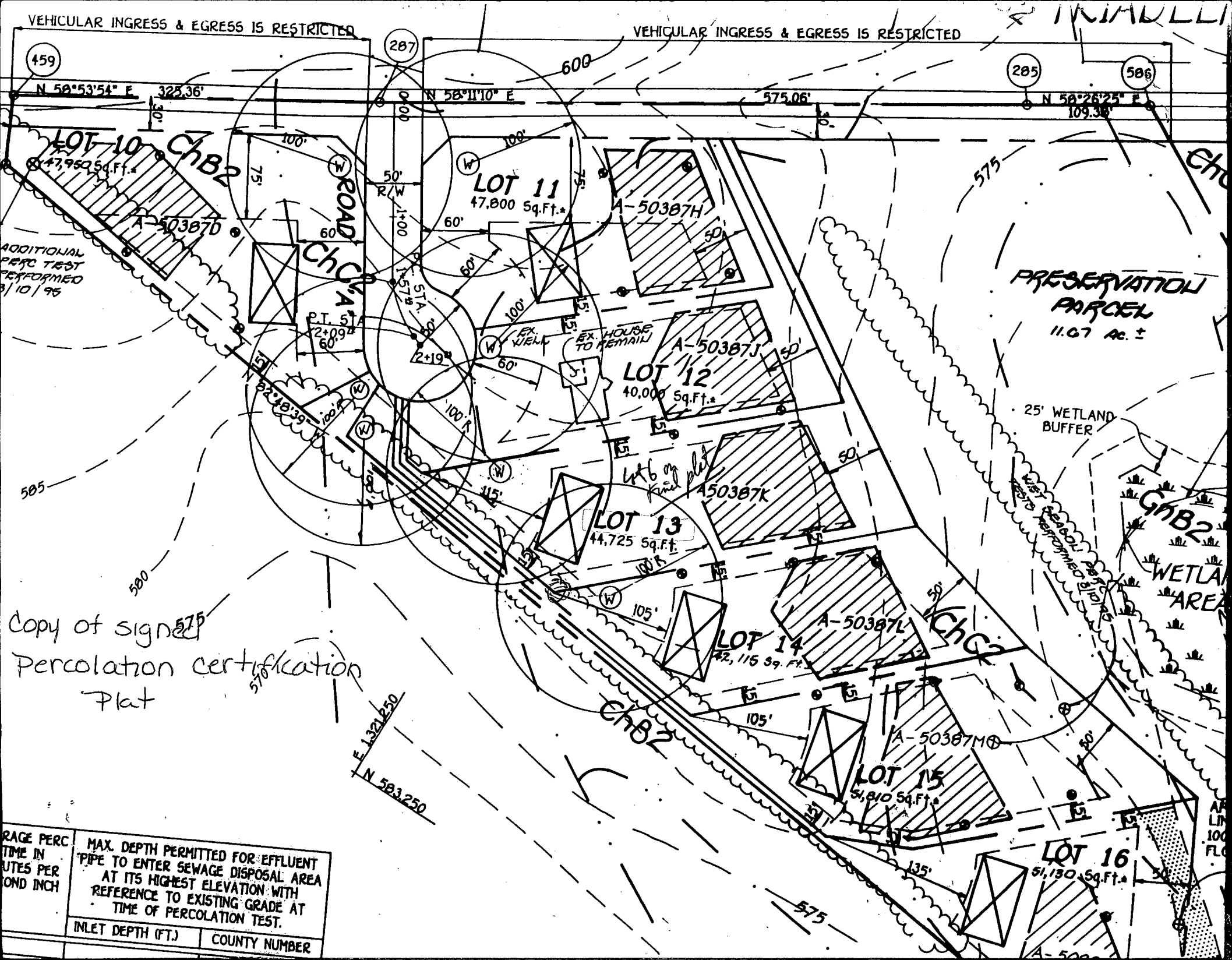
E 1320750  
E 402565.409  
(METERS)  
N 583250  
N 177774.957  
(METERS)

copy of signed  
Preliminary Plan  
11-19-95  
Benson Branch Estates

VEHICULAR INGRESS & EGRESS IS RESTRICTED

VEHICULAR INGRESS & EGRESS IS RESTRICTED

UNIMALLE



ADDITIONAL PERC TEST PERFORMED 3/10/95

Copy of signed Percolation certification Plat

RANGE PERC TIME IN MINUTES PER FOOT INCH	MAX. DEPTH PERMITTED FOR EFFLUENT PIPE TO ENTER SEWAGE DISPOSAL AREA AT ITS HIGHEST ELEVATION WITH REFERENCE TO EXISTING GRADE AT TIME OF PERCOLATION TEST.	
	INLET DEPTH (FT.)	COUNTY NUMBER

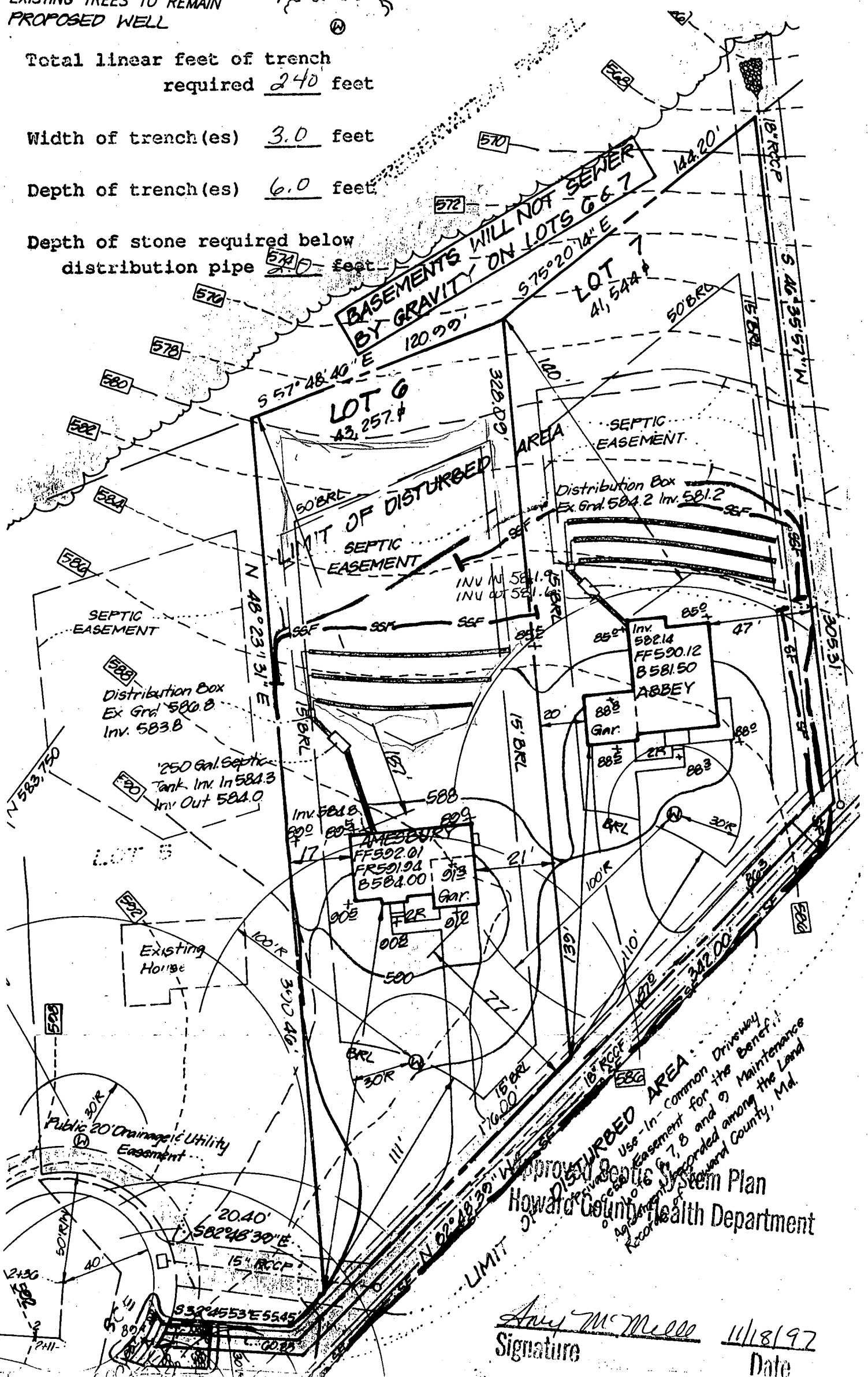
EXISTING TREES TO REMAIN  
PROPOSED WELL

Total linear feet of trench  
required 240 feet

Width of trench(es) 3.0 feet

Depth of trench(es) 6.0 feet

Depth of stone required below  
distribution pipe 2.0 feet



APPROVED AREA:  
Use - In Common Driveway  
Easement for the Benefit of  
Lots 7, 8 and 9 Maintenance  
Agreements Recorded among the Land  
Records of Howard County, Md.

Howard County Health Department  
Signature Amy McMillon 11/18/97  
Date