

1/28/97
Anytime
3-12-97
10:30 WPI

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 576/6

A 50387-L

DISTRICT 3rd

DATE 12/7/96

DATE SYSTEM APPROVED 1/28/97

INSPECTOR es

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
~~XXXXXXXX~~ 313-2640

320472
INDEXED

Arnold Backhoe & Septic Services IS PERMITTED TO INSTALL ALTER

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

SUBDIVISION Benson Branch Estates LOT 7 ROAD 13153 Benson Estates Court

PROPERTY OWNER Trinity Custom Homes, Inc. / Healey

ADDRESS _____

SEPTIC TANK CAPACITY 1500 GALLONS

NUMBER OF BEDROOMS 5

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 300

TRENCHES - Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 4.5 feet below original grade. Effective area begins at 4.5 feet below original grade. 1.5 feet of stone below distribution pipe.

LOCATION - Beginning from the rear left lot corner begin trenches 110 feet up the left (328.09') lot line and 10 feet off that same lot line as seen when facing the lot from the pipestem. 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. OK 12/13/96 KM

PLANS APPROVED BY Amy McMillen/Glen Savage REVISED _____ DATE 12/09/96

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.

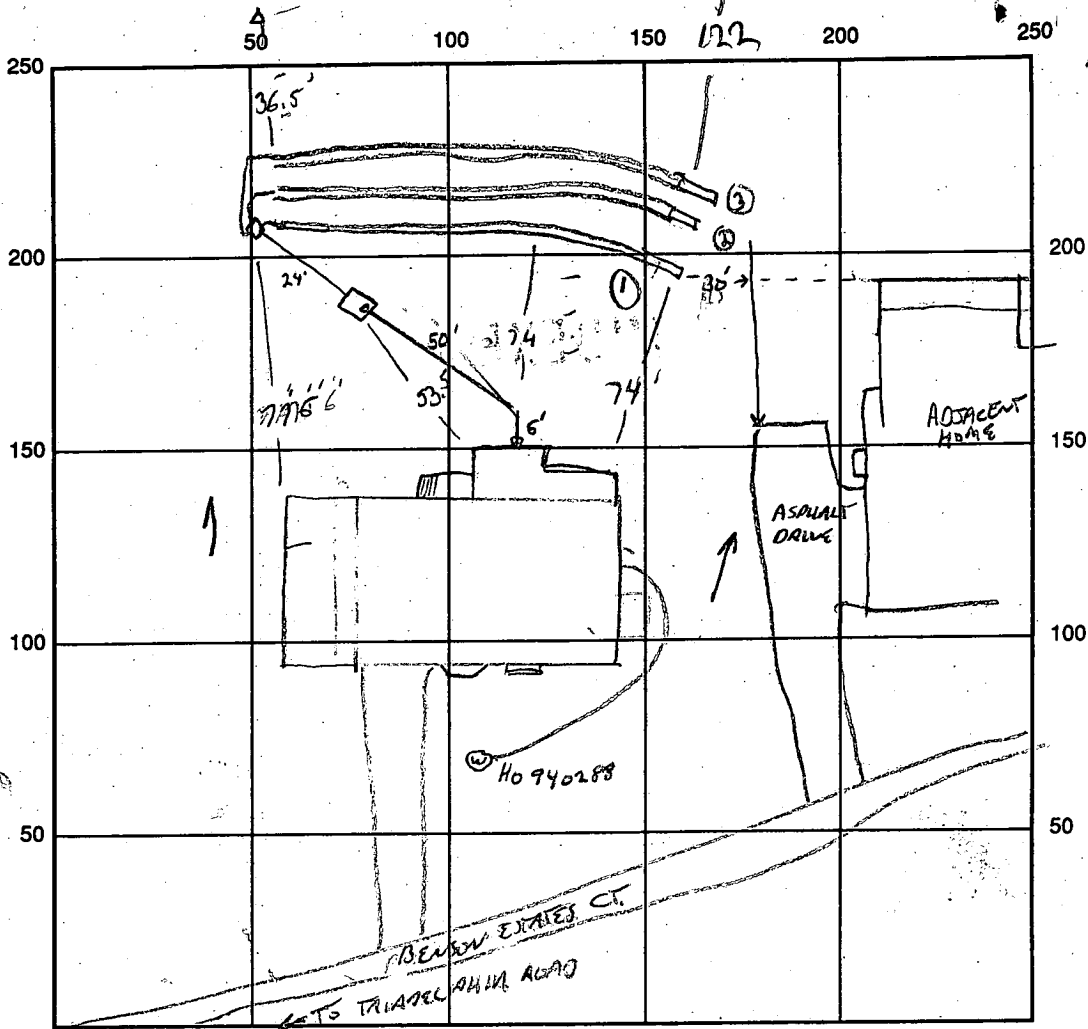
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

BLOG PERMITS SAVED
AND RETURNED 7-25-97
Serial # 120107075
deh

2/12/03 B00140291 INGROUND POOL

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

A 50387-L



SEPTIC TANK LEVEL OK

CLEANOUTS 1 AT HOUSE, 1 ON TANK

DISTRIBUTION BOX LEVEL OK

DRAIN FIELD/TITLE DEPTH 4.5 FT.

TRENCH WIDTH 3 FT.

INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 1.5 FT.

TOTAL LENGTH $\frac{1}{102} \frac{2}{102} \frac{3}{103}$ FT. = 307

NUMBER OF TRENCHES 3

ONE SIDEWALL/BOTTOM AREA 921 SQ. FT.

DRYWALL INSIDE DIAMETER — FT.

EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA — SQ. FT.

REMARKS: 1/28/97 SYSTEM INSTALLED, OK, COVER ALL WORK. JF

3/12/97 WPI - well line, P.A. 3.5' below grade. casing 1'+ above grade. two piece well cap installed. OK to cover. DS

DATE SYSTEM APPROVED 1/28/97

INSPECTOR [Signature]

APPLICATION

PERCOLATION TESTING

A 50387L

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. 7 Prelim Plan 3-Perc Cert

ROAD AND DESCRIPTION Triadelphia Road (13153 Benson Estates Court) 1st Prelim Perc Cert

TAX MAP 22 PARCEL # 16, 398, 399

BLDG. PERMIT SIGNED

AND RETURNED 12/9/96

Seal # B7010390

SIZE OF LOT 40,000/60,000 TYPE BLDG. single family dwelling - 5 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

A50387L

COUNTY #

TRIA RD

LOT 14

SOIL PROFILE

0' 408/409 410

orange
brn
C

2.5'

darker
orange
brn
SCL

4'

lgt tan
S
1" mica
brags
throughout
OK

12'

412/413
418

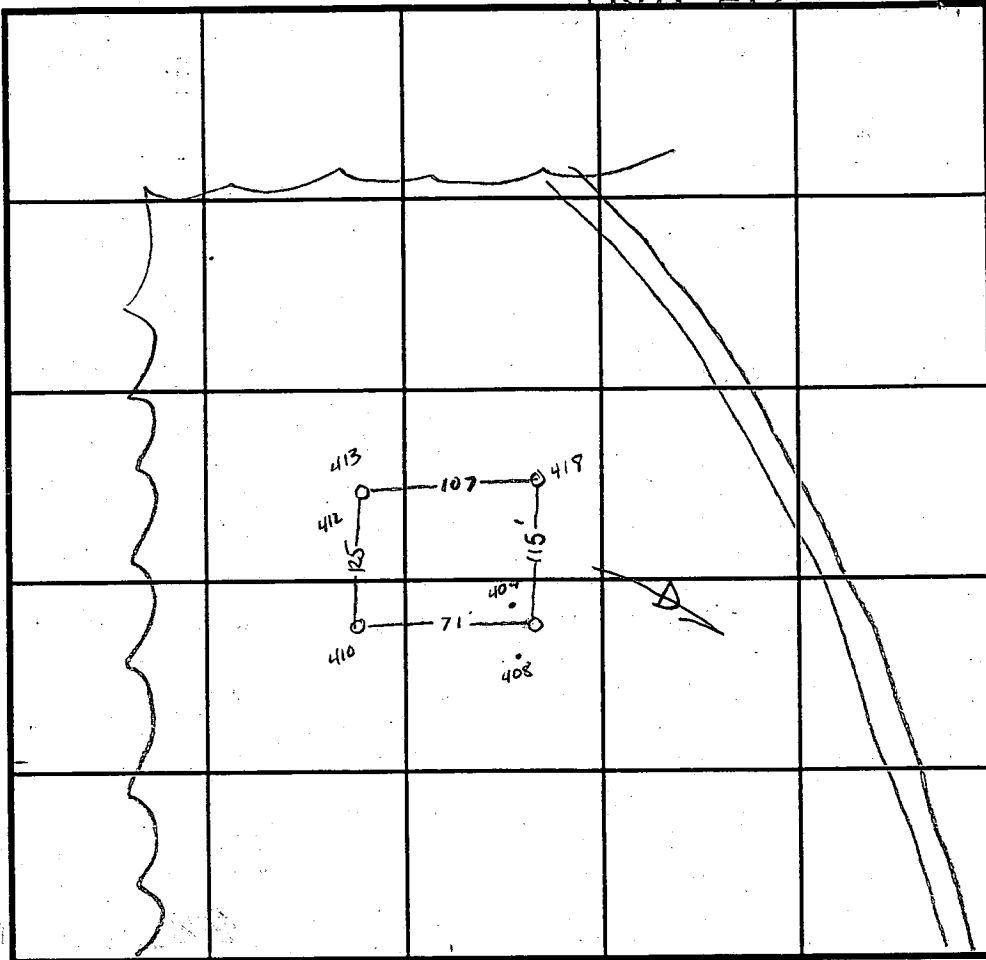
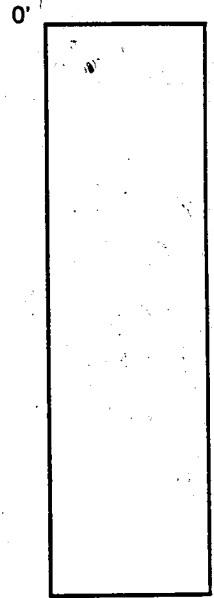
orange
brn
C

3'

pink
SL
mica
very
powdery
OK

12'

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10-18-94	408/409	3' / V12'	7:46 ¹⁵	7:49	7:49	7:55 ³⁰	6 1/2 min
	410	Visual	to 10' - hard		bottom		OR
	418	7' / V10'	8:03 ⁴⁵	8:04 ³⁰	8:04 ³⁰	8:06	1 1/2 min
	418	3' / V10'	8:06 ³⁰	8:08	8:08	8:11	3 min
	412/413	3' / V12'	8:13 ³⁰	8:14	8:14	8:15 ³⁰	1 1/2 min

REMARKS

TYPE OF SOIL Chester Silt Loam

TESTED BY Amy McMillen

ALSO PRESENT Mark Reich

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 4 min TRENCH WIDTH 3'

INLET DEPTH 2' MAXIMUM BOTTOM DEPTH 4' SQ. FT./BEDROOM 180 ft²

C1 0259 SEQUENCE NO. (MDE USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND
 WELL COMPLETION REPORT
 FILL IN THIS FORM COMPLETELY
 PLEASE PRINT OR TYPE

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
 COUNTY NUMBER A50387-DAL

DATE RECEIVED 1/20/96 DATE WELL COMPLETED 1/08/96 DEPTH OF WELL 405 (TO NEAREST FOOT) PERMIT NO. HD-93-0288

OWNER Benson Branch LLC last name Benson first name Estates Ct. TOWN Glenelg
 STREET OR RFD Benson Estates Ct. SUBDIVISION Benson Branch Est SECTION 1 LOT 7

WELL LOG
 Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

DESCRIPTION (Use additional sheets if needed)	FEET		check if water bearing
	FROM	TO	
Top Soil	0	2	
Sandy	2	25	
Sand Stone	25	45	✓
MICKA	45	60	
Sand Stone	60	65	✓
MICKA	65	405	

GROUTING RECORD yes no
 WELL HAS BEEN GROUTED (Circle Appropriate Box) 44 44
 TYPE OF GROUTING MATERIAL (Circle one)
 CEMENT BENTONITE CLAY
 NO. OF BAGS 12 NO. OF POUNDS 1200
 GALLONS OF WATER 22
 DEPTH OF GROUT SEAL (to nearest foot)
 from 0 ft. to 307 ft.
 (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below
 ST STEEL CO CONCRETE
 PL PLASTIC OT OTHER
 MAIN CASING TYPE PL Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 39

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

SCREEN RECORD screen type or open hole insert appropriate code below
 ST STEEL BR BRASS BRONZE PL PLASTIC HO OPEN HOLE OT OTHER

NUMBER OF UNSUCCESSFUL WELLS: 0
 WELL HYDROFRACTURED YES NO

CIRCLE APPROPRIATE LETTER
 A 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. 116
 Ralf Wayne

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
 LIC. NO. 117
 Ralf E. Wayne

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

C 2
 DEPTH (nearest ft.)
 HO 38 405
 SLOT SIZE 1: 2: 3:
 DIAMETER OF SCREEN (NEAREST INCH) 56 60

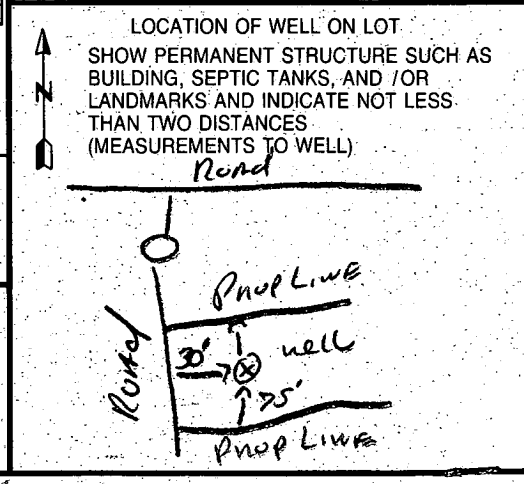
GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)
 T (E.R.O.S.) W Q 74 75 76
 70 72

TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3
PUMPING TEST
 HOURS PUMPED (nearest hour) 6
 PUMPING RATE (gal. per min.) 2
 METHOD USED TO MEASURE PUMPING RATE Bucket
 WATER LEVEL (distance from land surface)
 BEFORE PUMPING 29 ft.
 WHEN PUMPING 295 ft.
 TYPE OF PUMP USED (for test)
 A air P piston T turbine
 C centrifugal R rotary O other (describe below)
 J jet S submersible

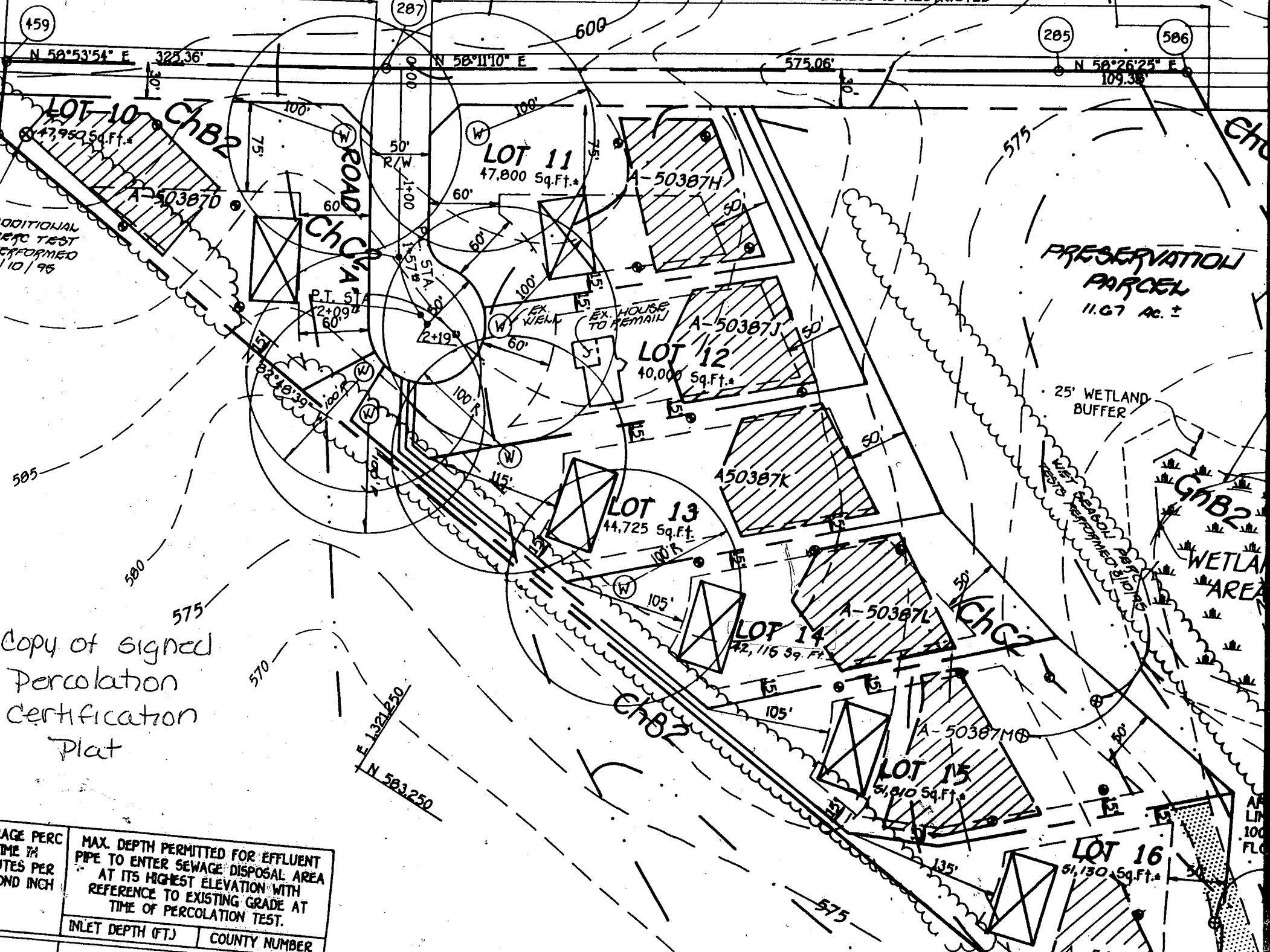
PUMP INSTALLED
 DRILLER WILL INSTALL PUMP YES NO
 IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.
 TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29
 CAPACITY GALLONS PER MINUTE (to nearest gallon) 31 35
 PUMP HORSE POWER 37 41
 PUMP COLUMN LENGTH (nearest ft.) 43 47
 CASING HEIGHT (circle appropriate box and enter casing height)
 + above } LAND SURFACE 2 (nearest foot)
 - below }



VEHICULAR INGRESS & EGRESS IS RESTRICTED

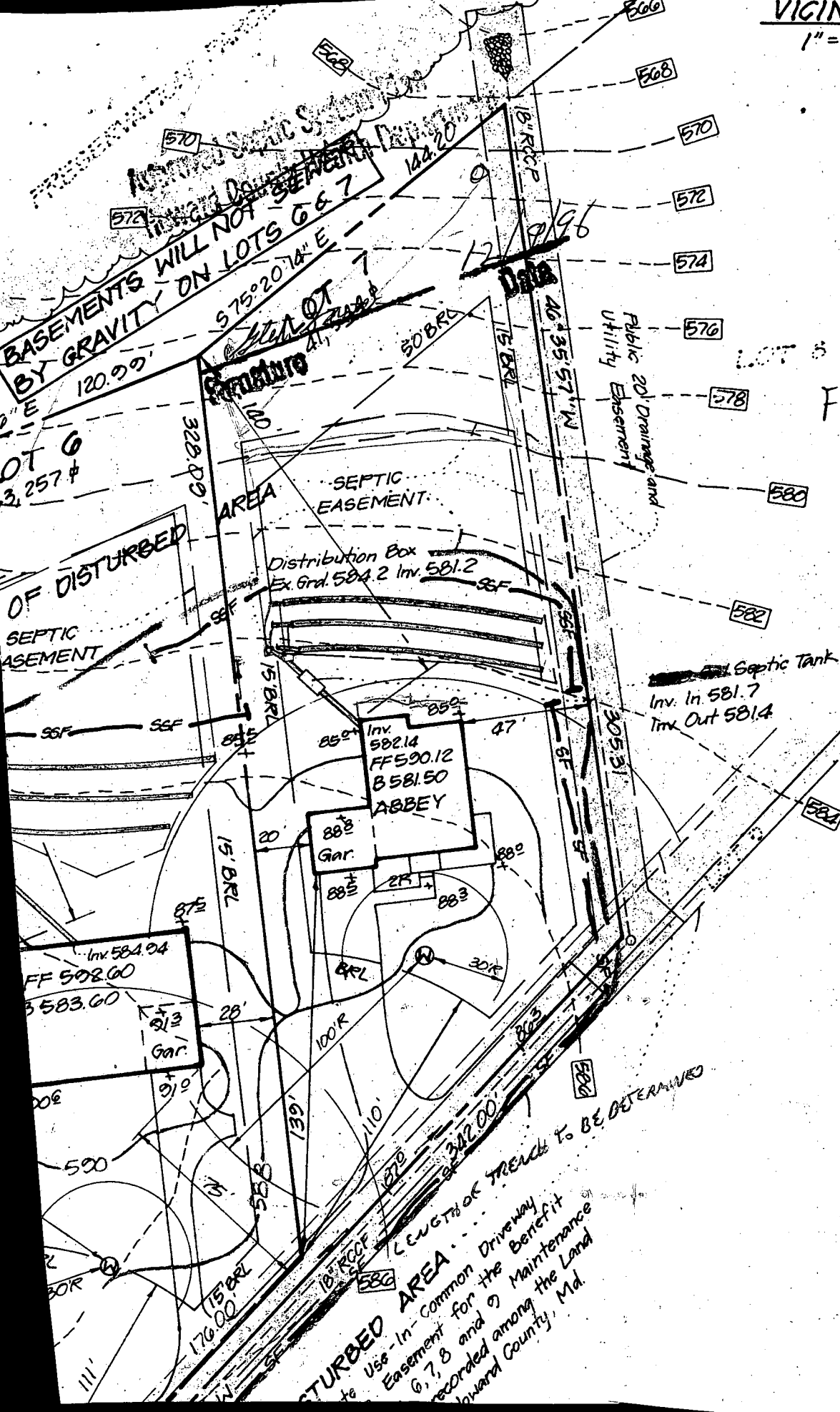
VEHICULAR INGRESS & EGRESS IS RESTRICTED

UNIMPLEM



Copy of signed Percolation Certification Plat

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.	AGE PERC
	TIME IN
INLET DEPTH (FT.)	MINUTES PER
	FOOT AND INCH
COUNTY NUMBER	



WALL
CHECK
REPORTS
FF ELEV. = 591.2'

BASEMENTS WILL NOT BE GRAVITY ON LOTS 6 & 7

OF DISTURBED
SEPTIC EASEMENT

SEPTIC EASEMENT
Distribution Box
Ex. Grd. 584.2 Inv. 581.2

Septic Tank
Inv. In. 581.7
Inv. Out 581.4

Inv. 584.04
FF 502.00
583.60
Gar.

Inv. 582.14
FF 590.12
581.50
Gar.
ABBEY

DISTURBED AREA
to Use - In - Common Driveway
Easement for the Benefit of
6, 7, 8 and 9 Maintenance
recorded among the Land
Howard County, Md.

LENGTH OF TRENCH TO BE DETERMINED

PRESERVATION
PARCEL A

LOT 8

Public 20' Drainage &
Utility Easement
Plat No. 12135

LOT 6

LOT 7
419.544 ±
S 75° 20' 14" E
144.20'

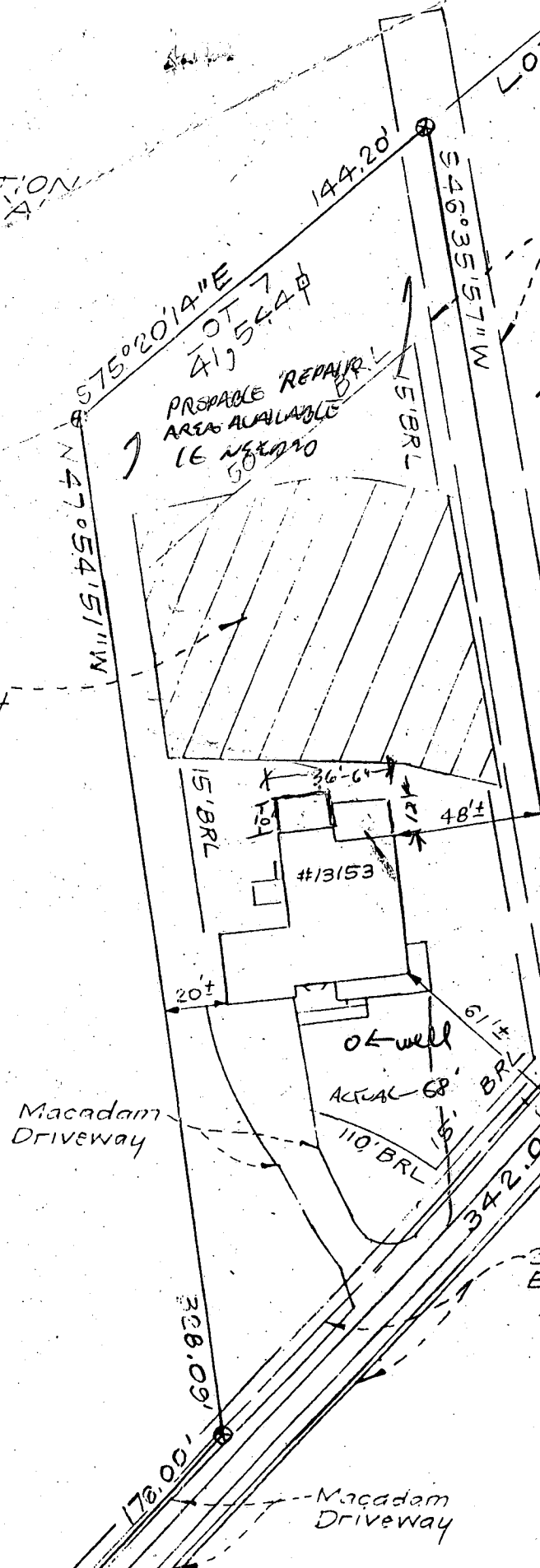
PROPOSED REPAIR
AREA AVAILABLE
16' WIDE

7-25-97 BPT

ADEQUATE SEPARATION BETWEEN
PROPOSED DECK AND 1 REPAIR
HIGHER THAN EXISTING SEWER
(15" SYSTEM LOWER THAN SHOWN
ON SITE PLAN)

14' SEPARATION - 40' FOR REPAIR = 34'
- 12' FOR DECK = 22'
HOUSE DESIGN HAS BUILT IN
ELEVATED REAR DOORS FOR DECK
NOT SHOWN ON SITE PLAN
OK TO PROCEED. *gaj*

Sewerage Easement,
Plat No. 1 Plat
133



305.31'

Brick Point set

Macadam
Driveway

20' Drainage & Utility
Easement P. No. 12135

Macadam
Driveway

20' Drainage & Utility
Easement P. No. 12135

PRESERVATION
PARCEL 'A'

SDA

☒ = AREA
ADDED

Public 20' Drainage &
Utility Easement
Plat No. 12135

Lot 8

New Septic Reserve
area (~~1300 sq. ft.~~)

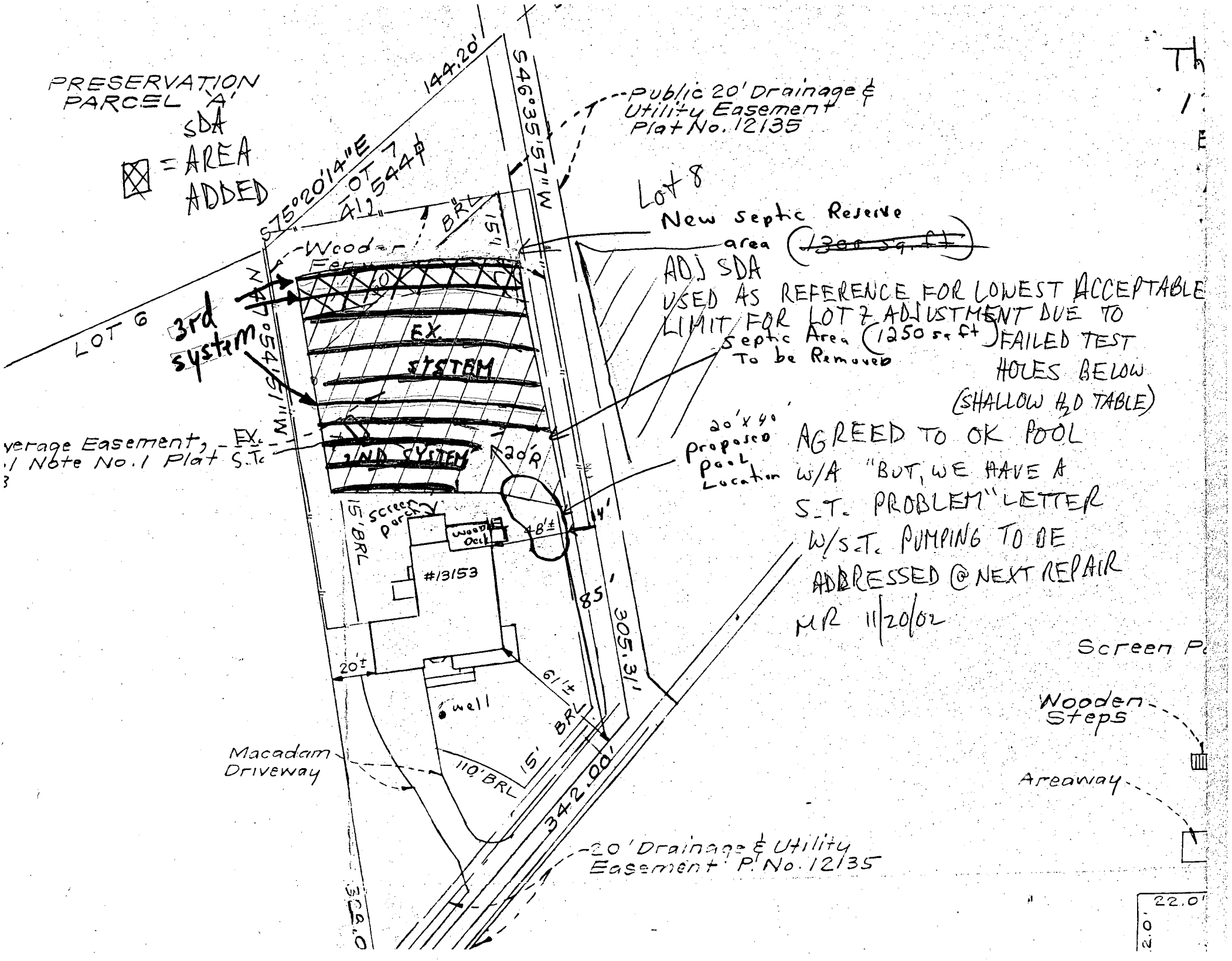
ADJ SDA
USED AS REFERENCE FOR LOWEST ACCEPTABLE
LIMIT FOR LOT 7 ADJUSTMENT DUE TO
Septic Area (1250 sq. ft.) FAILED TEST
To be Removed

HOLES BELOW
(SHALLOW H₂O TABLE)

20' x 40'
Proposed
Pool
Location

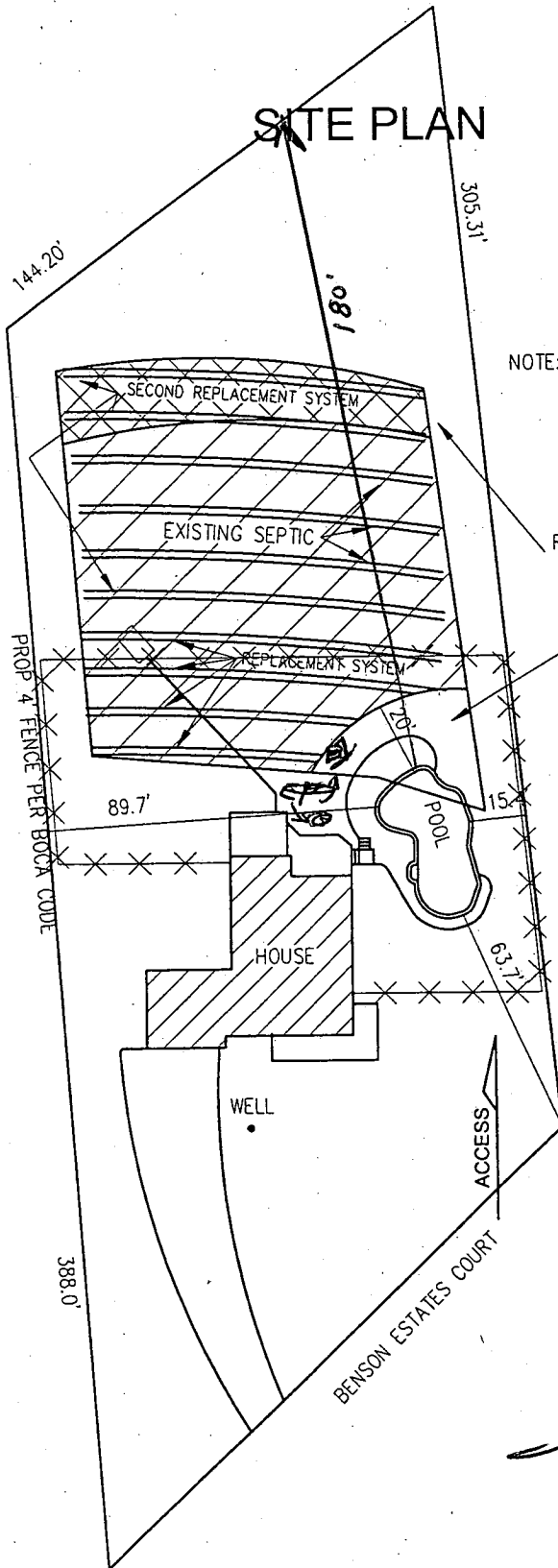
AGREED TO OK POOL
w/A "BUT, WE HAVE A
S.T. PROBLEM" LETTER
w/S.T. PUMPING TO BE
ADDRESSED @ NEXT REPAIR
MR 11/20/02

verage Easement, - EX.
1 N6te No. 1 Plat S.T.
3



22.0'
2.0'

SITE PLAN



NOTE: ADJUSTMENT OF THE SEPTIC AREA HAS BEEN PRE-APPROVED BY HOWARD COUNTY DEPARTMENT OF HEALTH

RELOCATED 1300 SQ FT AREA

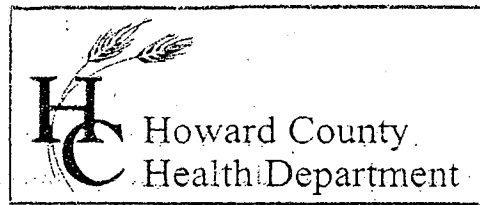
1250 SEPTIC AREA TO BE RELOCATED

2/12/03 (KW)
I reviewed Mark's letter written on Nov 21, 2002 with expected future septic adjustments attached.

OK

SCALE: 1" = 50'





3525 H Ellicott Mills Drive, Ellicott City, MD 21043
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

November 21, 2002

Sean and Leah Healey
13153 Benson Estates Court
Ellicott City, MD 21042

RE: Sewage Easement Adjustment for Proposed Pool
13153 Benson Estates Court
Benson Branch Estates, Lot 7

Dear Mr. & Mrs. Healey:

This office has tentatively approved your proposed adjustment to the platted sewage easement to accommodate an inground pool on the referenced property, subject to the following conditions:

The approval is for the pool location as shown on the enclosed site plan; any adjustment to the pool location could endanger that approval.

You understand that the existing septic system is installed at or near the lowest portion of the platted easement, contrary to the specifications issued by this office on the septic system installation permit in December, 1996. It is believed that the house plumbing was installed two feet lower than proposed on the site plan; maintaining gravity flow forced the trenches to be installed 50' further downhill than requested. Although this office inspected and approved that system in January, 1997, the current plumbing apparently precludes septic system repairs at the highest part of the platted sewage easement without use of a pump. Additionally, the septic tank is installed within the platted sewage easement, presenting an obstacle for trench installation. Therefore, any future septic system repair shall include

- 1) pumping and removal of the existing septic tank,
- 2) installation of a replacement septic tank outside the limits of the sewage easement, and
- 3) installation of a second tank to serve as a required pump pit to provide access to the highest parts of the sewage easement.

If you have any questions, please contact me at the address or phone number listed above.

Very truly yours,

Mark Rifkin

Well and Septic Program

MR

cc: Doug Parkinson, Anthony/Sylvan Pools
File