

8/27/97
WPE AM

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 58906

A 49482-J

DISTRICT 4th

DATE 8/07/97

DATE SYSTEM APPROVED 8/27/97

INSPECTOR KM

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXX-XXXX~~ 410-313-2640

INDEXED

04-357043

Arnold Backhoe & Septic Services

IS PERMITTED TO INSTALL X ALTER

ADDRESS P.O. Box 15 Woodbine, MD 21797

PHONE (410) 795-7873

SUBDIVISION Warfield's Grant LOT 12 ROAD 3112 Spring House Court

PROPERTY OWNER Trinity Custom Homes DANIEL Jubb

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 - Place distribution box 200 feet up the left (327.85') lot line and 90 feet off that same lot line as seen when facing the lot from Spring House Court. Run trenches on contour 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.

OK KM 7-16-97

PLANS APPROVED BY Kim Maiste

REVISED DATE 07/15/97

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**

BLDG. PERMIT SIGNED

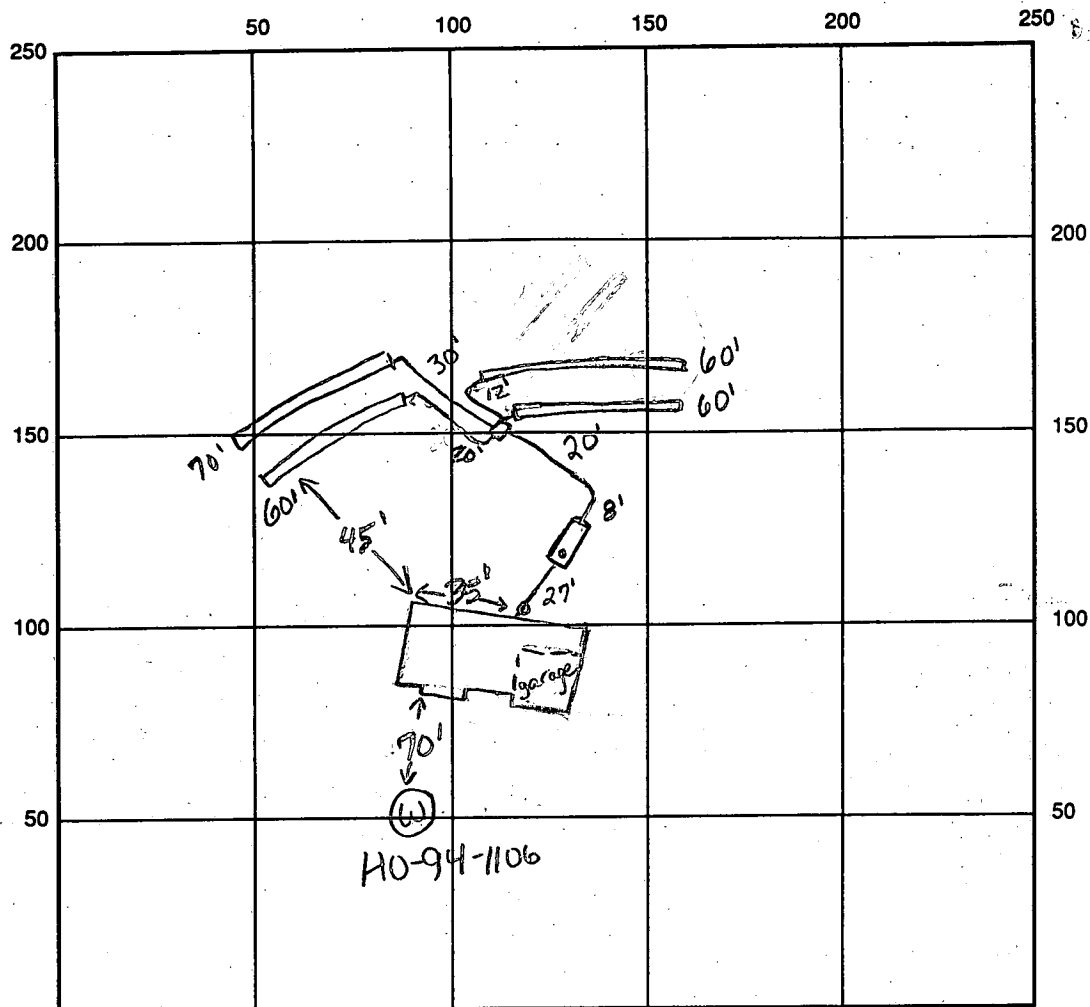
AND RETURNED

10-1-98

Serial # 370114338

duch

A 49482J



SEPTIC TANK LEVEL OK CLEANOUTS 1 on tank, 1 at house
 DISTRIBUTION BOX LEVEL OK
 DRAIN FIELD/TITLE DEPTH 6.0 FT. TRENCH WIDTH 3.0 FT. INLET DEPTH 4.0 FT.
 EFFECTIVE GRAVEL DEPTH 2.0 FT. TOTAL LENGTH $\frac{60 \times 3}{70 \times 1}$ FT. $\rightarrow$ 250
 NUMBER OF TRENCHES 4 ONE SIDEWALL/BOTTOM AREA 750 SQ. FT.
 DRYWALL INSIDE DIAMETER FT. EFFECTIVE DEPTH BELOW INLET FT.
 ABSORBENT AREA SQ. FT.

REMARKS: 8/27/97 WPTI - OK to cover well line, P.A. 4.5' below grade, casing 1.5' above grade, has 2 piece cap (Km)
8/27/97 has house conn, OK to cover all work (Km)

DATE SYSTEM APPROVED 8/27/97

INSPECTOR

Kimberly A. Martin

APPLICATION

PERCOLATION TESTING

A 49482J

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH

3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

DATE _____

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 TRINITY Custom Homes
WARFIELDS GRANT LTD. PARTNERSHIP c/o Ronald E. Carter

ADDRESS P.O. Box 122 ELLICOTT CITY PHONE _____
MD. 21043

AGENT OR PROSPECTIVE BUYER FISHER COLLINS & CARTER ATTN: Zorch Fisch

ADDRESS 9171 BALTIMORE NATIONAL PIKE ELLICOTT PHONE 461-2855
CITY MD. 21042

PROPERTY LOCATION:

SUBDIVISION WARFIELDS GRANT SEC. 2 LOT NO. 12

ROAD AND DESCRIPTION Daisy Road (3112 Spring House Court)

TAX MAP 13 PARCEL # 128

SIZE OF LOT 1 AC. ± TYPE BLDG. B.L.D.G. PERMIT
RETURNED 7-15-87
Serial # B00106733
S.F.D. - 4 Ben
(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. Zacharia Y. Fisch (agent)
(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

A49482J

COUNTY #

SOIL PROFILE

0' SIL
red/
tan

2' red
CL

4' SMCL
red/
lt brn
10%
saprolite

11 1/2'

68

red
SIL

2' red
CL

4 1/2' SMCL
red/brn
yellow
streaks

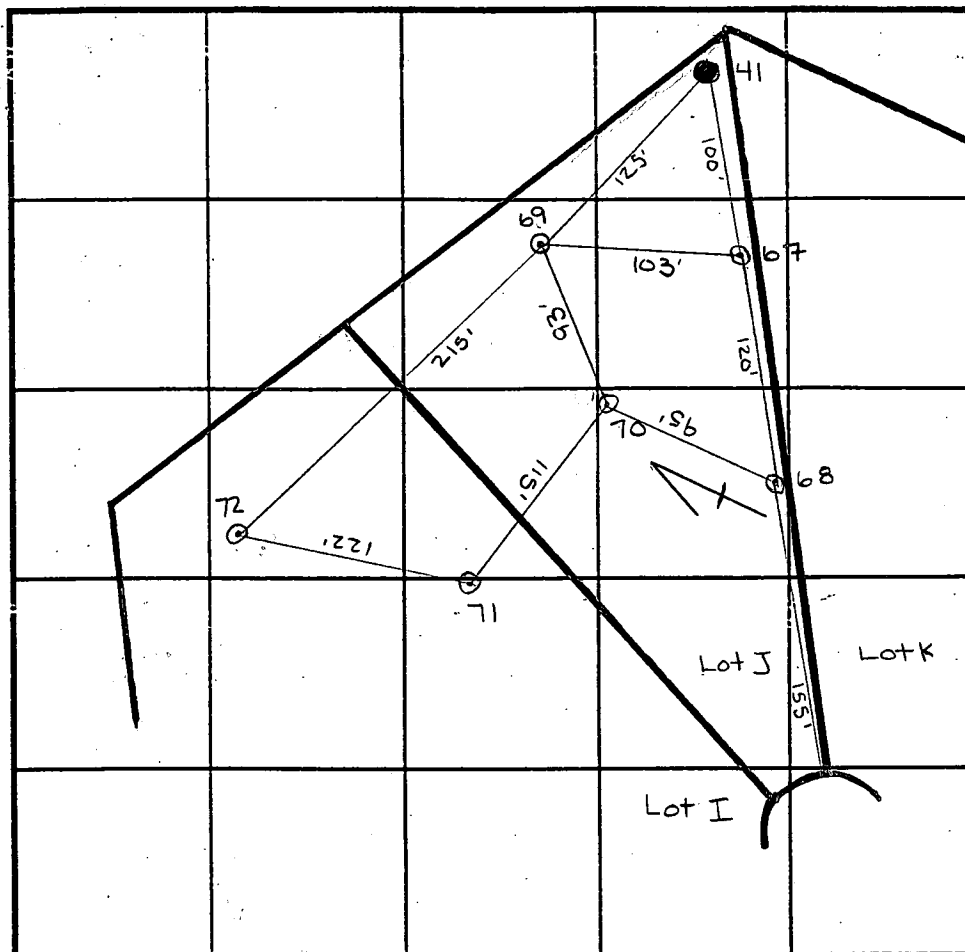
12'

69

CL
red/
brn

2' SMCL
brn/
yellow

11'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

0' CL
brn

3' SMCL
brn
20%
rock

11'

41

red/orange

3' SMCL
orange
(blk
mottles)
20% rock

11'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8/24/93	67	V 11 1/2	10:27	10:28	10:28	10:30	2
		8 1/2	10:27	10:29	10:29	10:33	4
	68	V 12	10:39	10:40	10:40	10:42	2
		4 1/2	10:39	10:41	10:41	10:46	5
	69	V 11	10:49	10:51	10:51	10:53	2
	70	V 11	10:56	10:57	10:57	10:59	2
		6	10:56	10:58	10:58	11:03	5
	41	V 11	11:13	11:27	11:27	11:30	1" in 30 min
		8 1/2	11:13	11:16	11:16	11:22	6
		FAIL	OR HOLD UNTIL WET SEASON				

REMARKS Tests 71-72 are found in A49482I

TYPE OF SOIL Glenelg

TESTED BY Amy McMillen / Chris Wilber ALSO PRESENT Cissie / Andre

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 3 TRENCH WIDTH 3

INLET DEPTH 4 MAXIMUM BOTTOM DEPTH 6 SQ. FT./BEDROOM 180

AGRICULTURAL
PRESERVATION

20' Drainage
Utility Easement

N 03° 14' 43" E
12
46,175 #

Septic
Easement
O.F.

DISTURBED
SF

Distribution Box
Ex. Grd. 519.0
Inv. 516.0

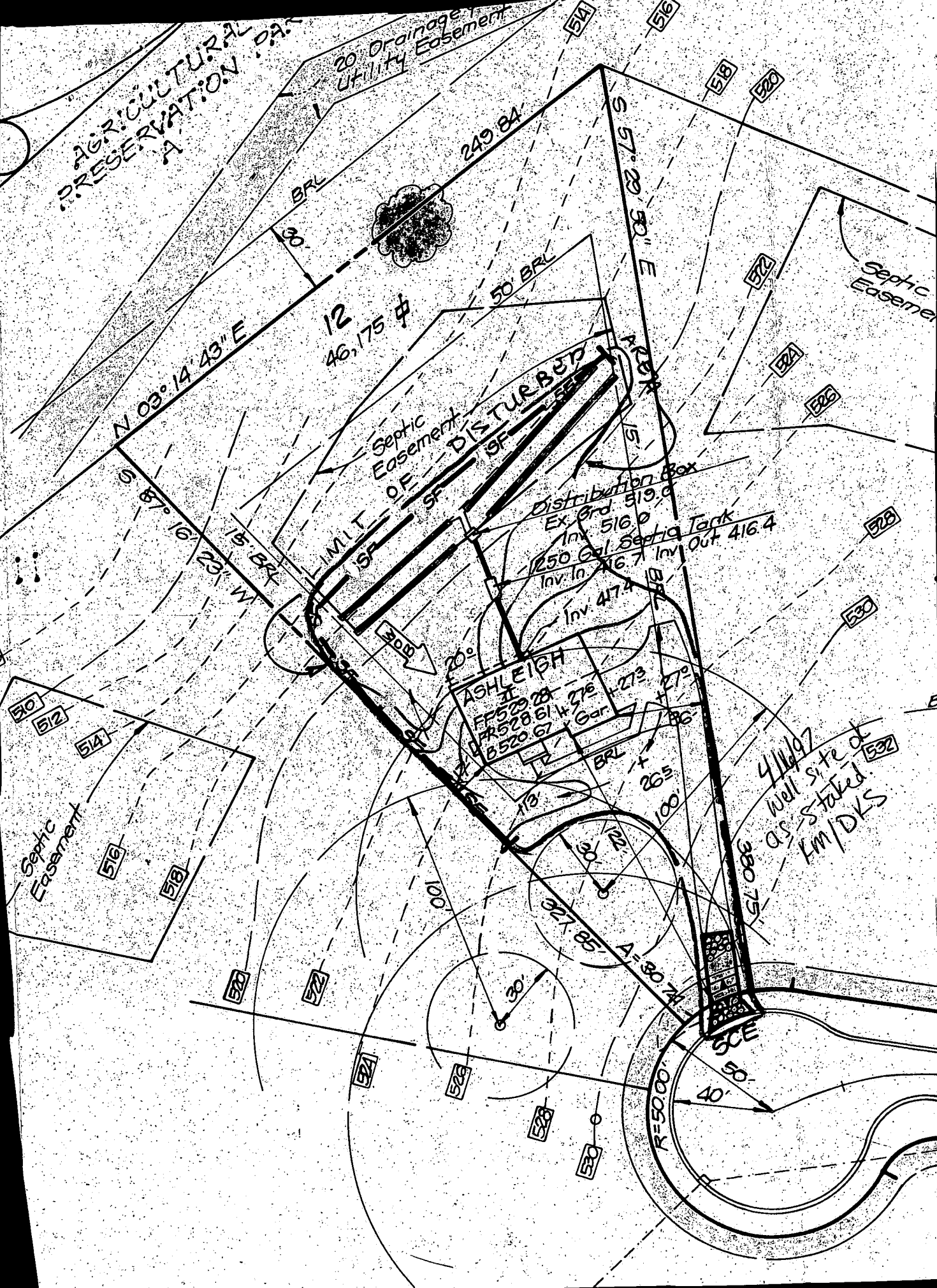
250 Gal. Septic Tank
Inv. In. 416.7 Inv. Out. 416.4
Inv. 417.4

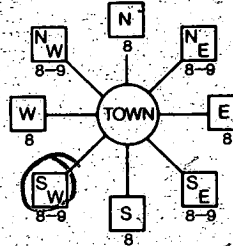
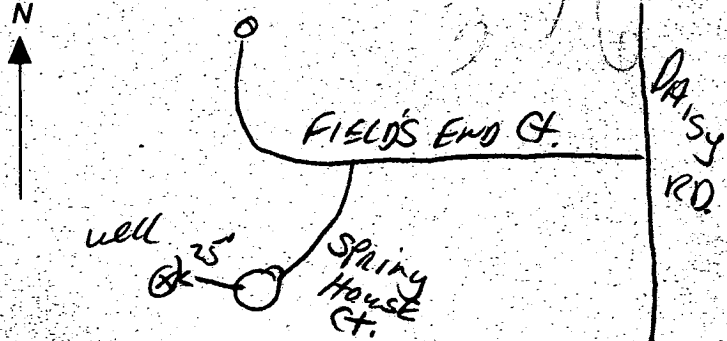
ASHLEIGH
FF 520 28
PR 520 61 1/2 Gar.
B 520 67

4/16/97
Well site of
as stated.
Em/DKS

SCE

R=50.00'
40°
50°



B 1 ID: 0237 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER H0-94-1106 70 fill in this form completely 79
Date Received (APA) 041597 8 13		B 3 LOCATION OF WELL HOWARD 8 COUNTY 21 WARFIELD'S GRANT 23 SUBDIVISION 42 SECTION 2 LOT 12 44 46 48 50 DAISY 52 NEAREST TOWN 71 MILES FROM TOWN (enter 0 if in town) 1 M 73 76 77 78	
OWNER INFORMATION TRIMITY CUSTOM HOMES 15 Last Name 34 6212 DEUBON DR. 36 Street or RFD 55 COLUMBIA MD 21044 57 Town 70 State 72 Zip 76		DRILLER INFORMATION CIRCLE: MSD / MGD / MWD RALEPH MAYNE Driller's Name 77 License No. 80 RALEPH MAYNE (well drilling) Firm Name 9120 Brown Church Rd. Mt. Airy Address Tha. Mayne 4/14/97 Signature Date	
B 2 WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 5 8 12 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500 14 20		B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) SPRING HOUSE CT. 11 30 NEAR WHAT ROAD ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) 25 34 37 DISTANCE FROM ROAD ENTER FT OR MI FT 38 39 TAX MAP: _____ BLK: _____ PARCEL: _____	
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 Howard A49482-J COUNTY NAME COUNTY NO. STATE SIGNATURE _____ INSERT S ☐ DATE ISSUED 041697 Kimberly Maisto 4/16/98 43 48 CO SIGNATURE 41 NORTH GRID 528000 EAST GRID 0779000 50 55 57 63	
APPROXIMATE DEPTH OF WELL 150 FEET 24 28 APPROXIMATE DIAMETER OF WELL 6" NEAREST INCH		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 78079 N 53028 000 000	
METHOD OF DRILLING (circle one) BORED (or Augered) ☒ JETTED ☐ Jetted & DRIVEN ☐ AIR-ROTARY ☒ AIR-PERCussion ☐ ROTARY (Hydraulic Rotary) ☐ CABLE ☐ REVERSE-ROTARY ☐ DRIVE-POINT ☐ 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 	
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-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS ☐ D THIS WELL WILL DEEPEEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) _____		Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROP. PERMIT NUMBER _____ 54 63 FORCE KM WRITE INITIALS IN BOX H0-94-1106 67 68 70 71 72 73 74 75 76 77 78 79	
SPECIAL CONDITIONS NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED -			

C 1	6020	SEQUENCE NO. (MDE USE ONLY)	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	A 49 482 J
ST/CO USE ONLY DATE Received MM 5/7/97 YY 97		DATE WELL COMPLETED MM 4 DD 22 YY 97		Depth of Well 22 245 26 (TO NEAREST FOOT)		
OWNER Trinity Custom Homes		PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-1106				

OWNER	Trinity Custom Homes	TOWN	Woodbine
STREET OR RFD	Spring House Court	SECTION	12
SUBDIVISION	Warfield Grant	LOT	12

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 FROM TO	check if water bearing
Top Soil	0 2	
Sandy	2 75	✓
Sand Stone	75 80	
MICKA	80 110	
Sand Stone	110 115	✓
MICKA	115 245	

GROUTING RECORD	
WELL HAS BEEN GROUTED (Circle Appropriate Box)	yes ☒ no ☐
TYPE OF GROUTING MATERIAL (Circle one)	
CEMENT ☒ BENTONITE CLAY ☐	
NO. OF BAGS 45 46 26 NO. OF POUNDS 45 46 2600	
GALLONS OF WATER 196	
DEPTH OF GROUT SEAL (to nearest foot)	
from 0 ft. to 30 ft.	

CASING RECORD	
casing types insert appropriate code below	STEEL ☐ CONCRETE ☐
	PLASTIC ☒ OTHER ☐
	MAIN CASING TYPE PL
	Nominal diameter top (main) casing (nearest inch) 6
Total depth of main casing (nearest foot) 88	

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

SCREEN RECORD	
screen type or open hole	STEEL ☐ BRASS ☐ OPEN HOLE ☐
insert appropriate code below	PLASTIC ☐ 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.

DRILLERS LIC. NO. 1	MSD 116
DRILLERS SIGNATURE	<i>Paul Mayes</i>
(MUST MATCH SIGNATURE ON APPLICATION)	

LIC. NO. 1	MSD 112
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)	<i>Paul Mayes</i>

C 2	
DEPTH (nearest ft.)	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	
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	68
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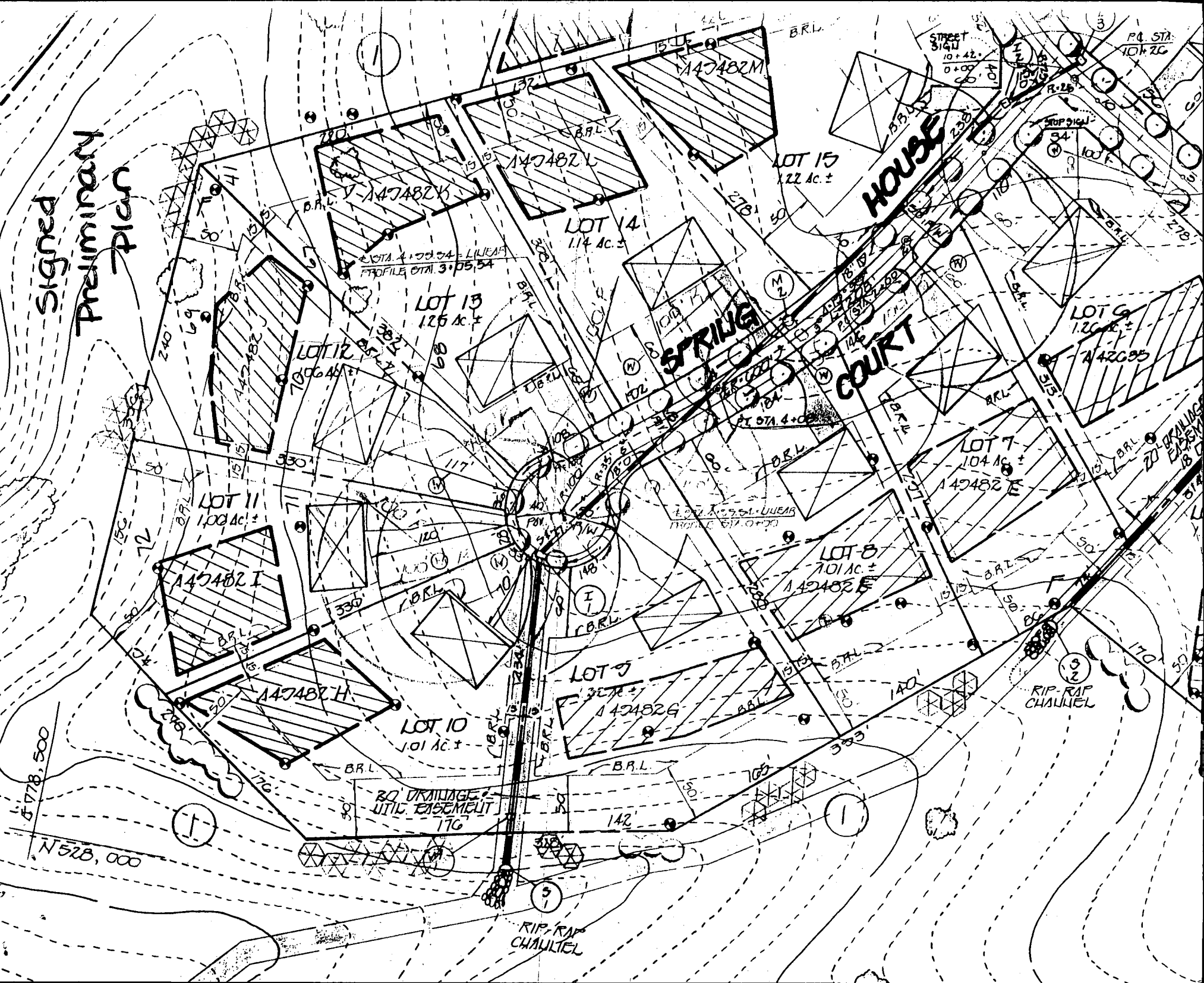
MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)	
T	(E.R.O.S.)
W	Q
70	72
TELESCOPE CASING	LOG INDICATOR
OTHER DATA	

C 3		
PUMPING TEST		
HOURS PUMPED (nearest hour)	3	
PUMPING RATE (gal. per min.)	6	
METHOD USED TO MEASURE PUMPING RATE	Back	
WATER LEVEL (distance from land surface)		
BEFORE PUMPING	32 ft.	
WHEN PUMPING	95 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 (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)	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	
- below	
2 (nearest foot)	

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)	
<i>well to 15' deep 2100</i>	

Signed
Preliminary
Plan



copy of signed
final
F-95-36

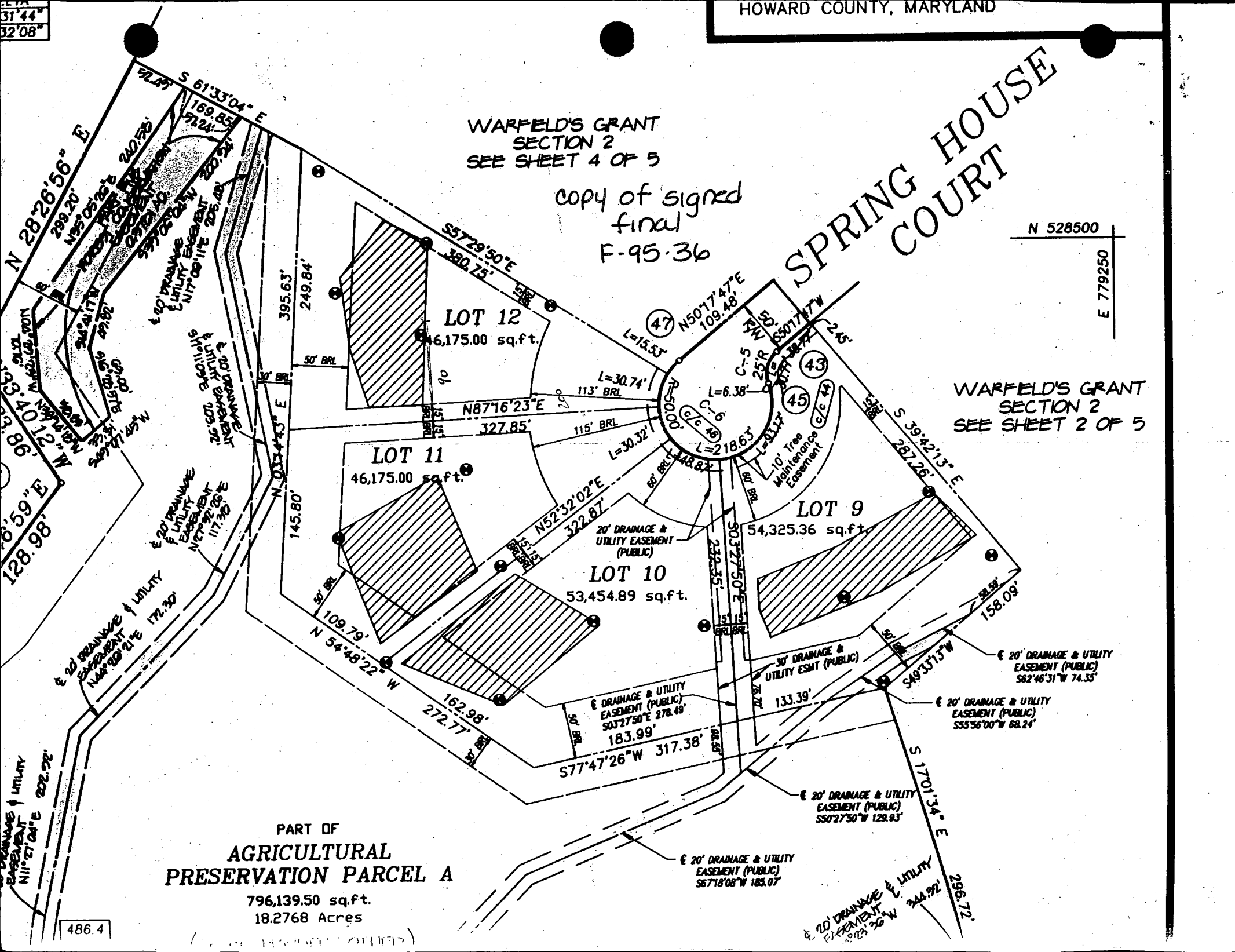
SPRING HOUSE
COURT

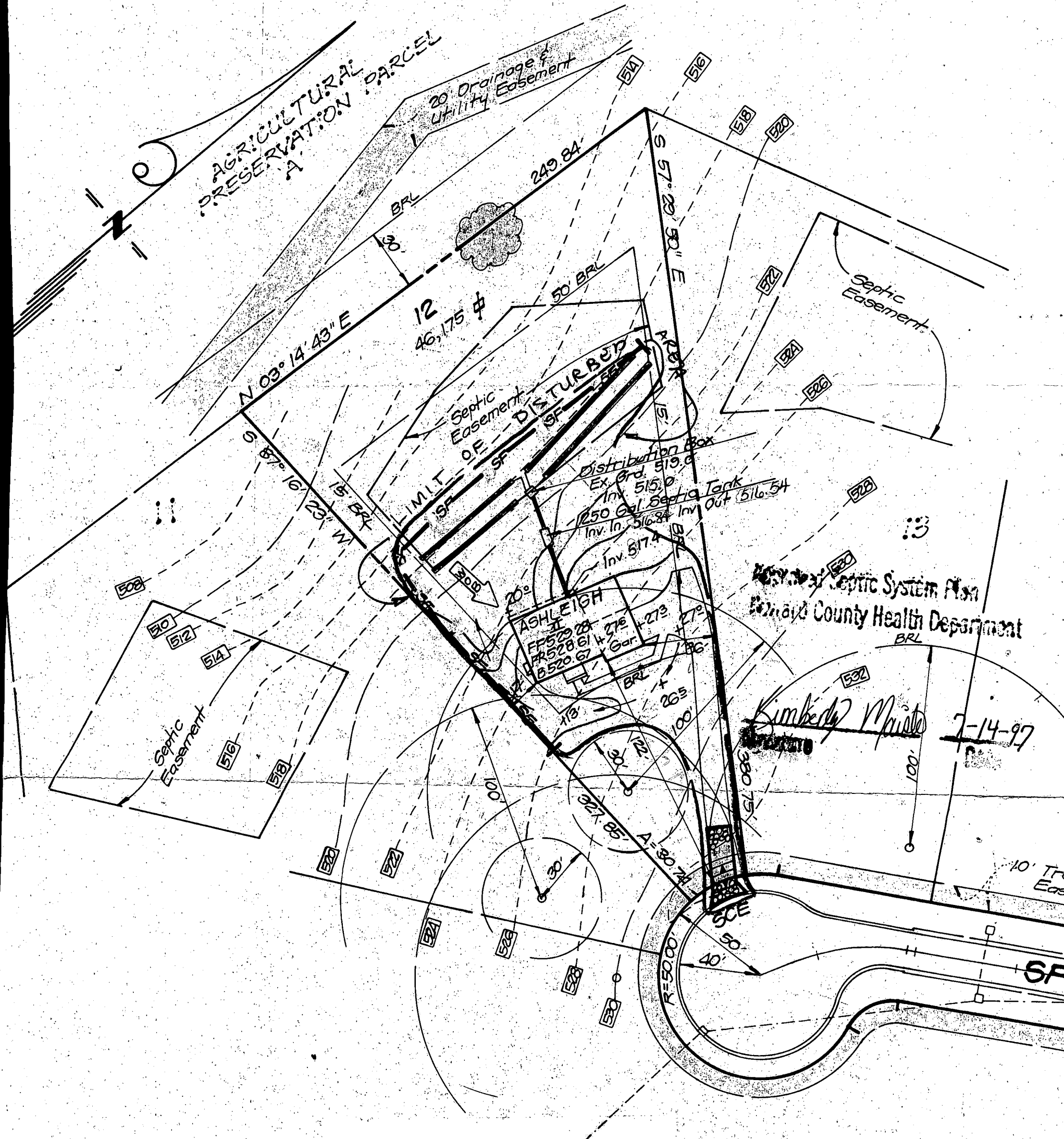
E 779250

WARFELD'S GRANT
SECTION 2
SEE SHEET 2 OF 5

796,139.50 sq.ft.
18.2768 Acres

486.4





CLARK • FINEFROCK & SACKETT, INC.

ENGINEERS • PLANNERS • SURVEYORS

7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (410) 381-7500 — BALTO. • (301) 621-8100 — WASH.

DESIGNED JME KIWM	SITE DEVELOPMENT SEDIMENT AND EROSION CONTROL PLAN LOT 12 WARFIELD'S GRANT SECTION 2 4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1"=50'
DRAWN BAL		DRAWING 1 OF 1
CHECKED KM		JOB NO. 96-084
DATE 4-1-97		FILE NO. 96-084 X
	For: TRINITY BUILDERS, INC. 6212 Devon Drive Columbia, Md. 21044	

ENGINEER'S CERTIFICATE

I hereby certify that this Erosion Control represents plan based on my personal conditions and that it was with the requirements of Howard County Health Department.

G. Nelson

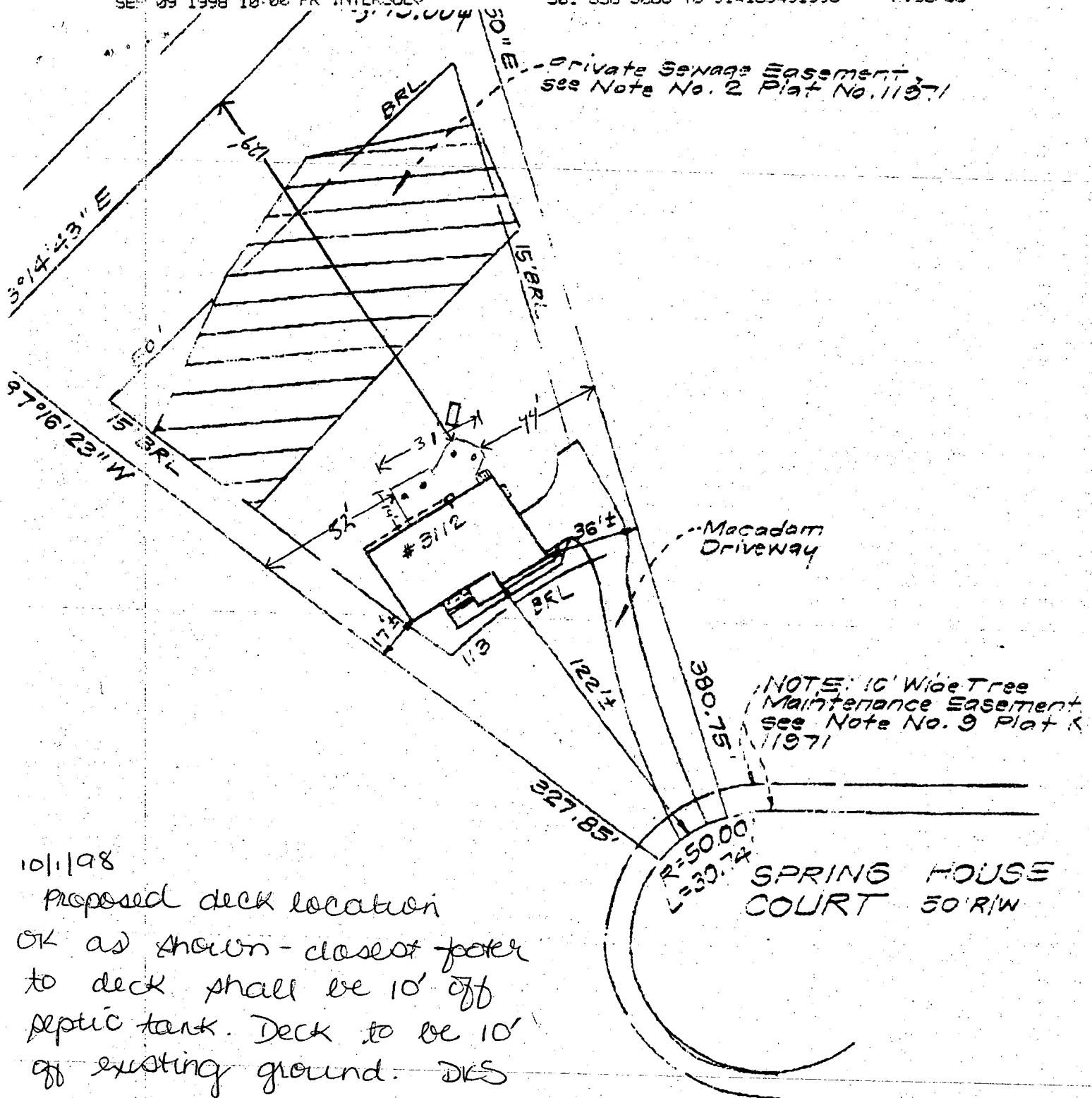
G. Nelson

GP 97-141

S.C.D.
7/8/97
Date
on Service

APPROVED
MENT
OIL

7/8/97



10/1/98

Proposed deck location
 OK as shown - closest footer
 to deck shall be 10' off
 septic tank. Deck to be 10'
 off existing ground. DKS

JUL 12