

2/21/97
WPI 2:00
3/24/97
11:00
PIPERIGHT
GATE

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 57667B

A 49482

DISTRICT 4th

DATE 2/5/97

DATE SYSTEM APPROVED 2/21/97

INSPECTOR df

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

461-9933 313-2640

INDEXED

04-357114

Olen Ketterman IS PERMITTED TO INSTALL ALTER

ADDRESS 14960 Route 144 Woodbine, MD 21797 PHONE 442-1336

SUBDIVISION Warfields Grant Sec. II LOT 19 ROAD 16041 Field's End Court

PROPERTY OWNER David and Pam Hasson

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 5 feet below original grade. Bottom maximum depth 7 feet below original grade. Effective area begins at 5 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Beginning from the intersection of the 214.39' and 600.06' lot lines, place distribution box 265 feet down the 600.06' lot line and 10 feet off that same lot line. 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 1-17-97

PLANS APPROVED BY Amy McMillen/Donna K. Soe REVISED DATE 01/13/97

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

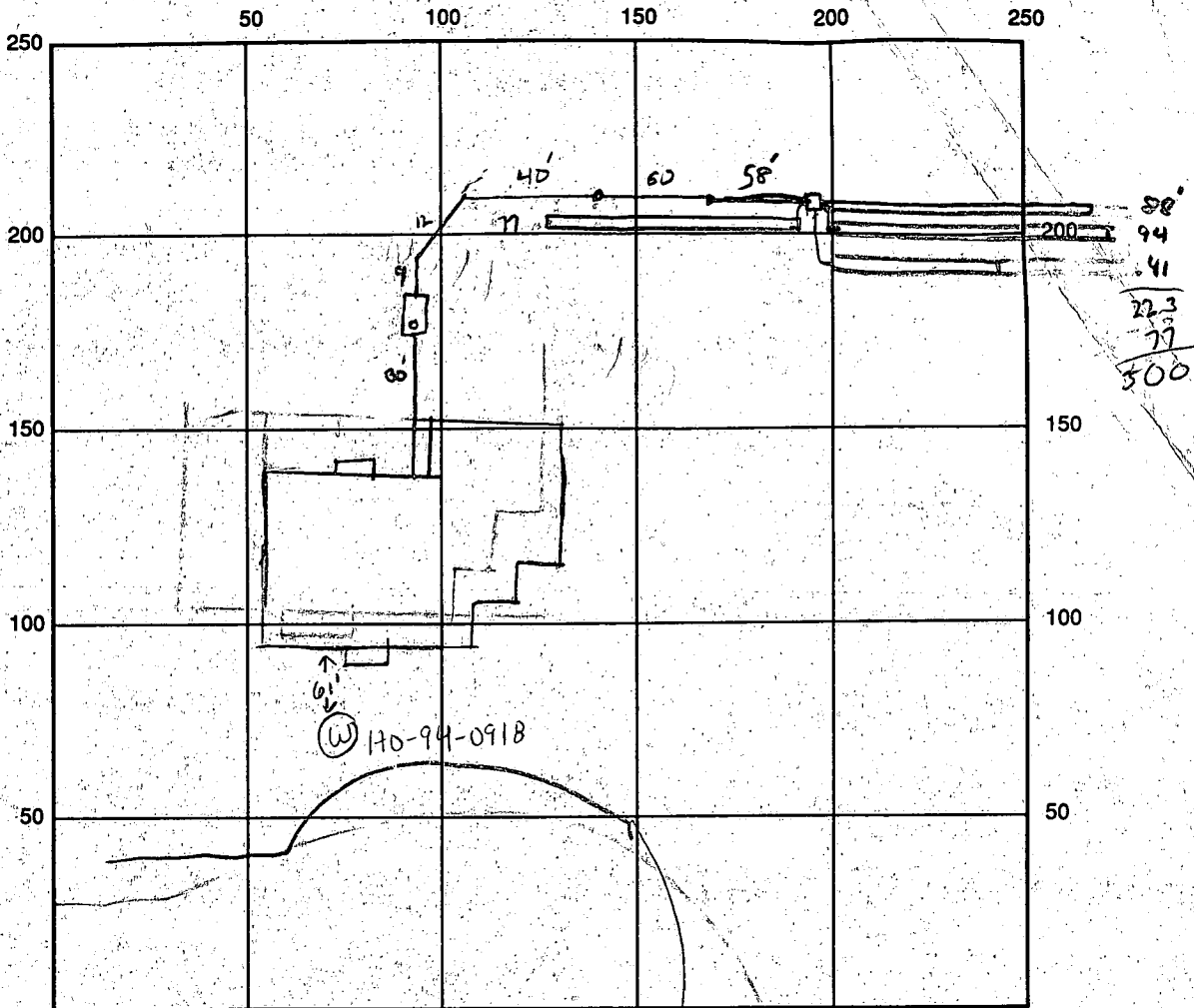
PERMIT VOID AFTER TWO YEARS

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**

A 49482



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL OK CLEANOUTS 1 AT TANK, 2 IN LINE

DISTRIBUTION BOX LEVEL OK

DRAIN FIELD/TITLE DEPTH 7 FT. TRENCH WIDTH 3 FT. INLET DEPTH 5 FT.

EFFECTIVE GRAVEL DEPTH 7 FT. TOTAL LENGTH 300 FT.

NUMBER OF TRENCHES 4 ONE SIDEWALL/BOTTOM AREA 900 SQ. FT.

DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA — SQ. FT.

REMARKS: 2/21/97 SYSTEM INSTALLATION OK, COVER ALL WORK
3-24-97 WPI ONLY HOLE HAS BEEN DUG KM

DATE SYSTEM APPROVED 2/21/97 INSPECTOR [Signature]

APPLICATION

PERCOLATION TESTING

A 494829
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 DAVID and PAM HASSON
WARFIELDS GRANT LTD. PARTNERSHIP c/o Ronald B. Carter

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

AGENT OR PROSPECTIVE BUYER FISHER COLLINS + CARTER ATTN: Zach Fisch

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

PROPERTY LOCATION:

SUBDIVISION _____ WARFIELDS GRANT SEC. 2 LOT NO. 19

ROAD AND DESCRIPTION _____ Daisy Road (16041 Field's End Court)

TAX MAP 13 PARCEL # 128

SIZE OF LOT 1 AC. ± TYPE BLDG. S.F.D. 5 Bedroom
(SINGLE FAMILY DWELLING OR COMMERCIAL)

**BLDG. PERMIT SIGNED
AND RETURNED**
1/15/97
Serial # BR 113575

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 G. 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 _____

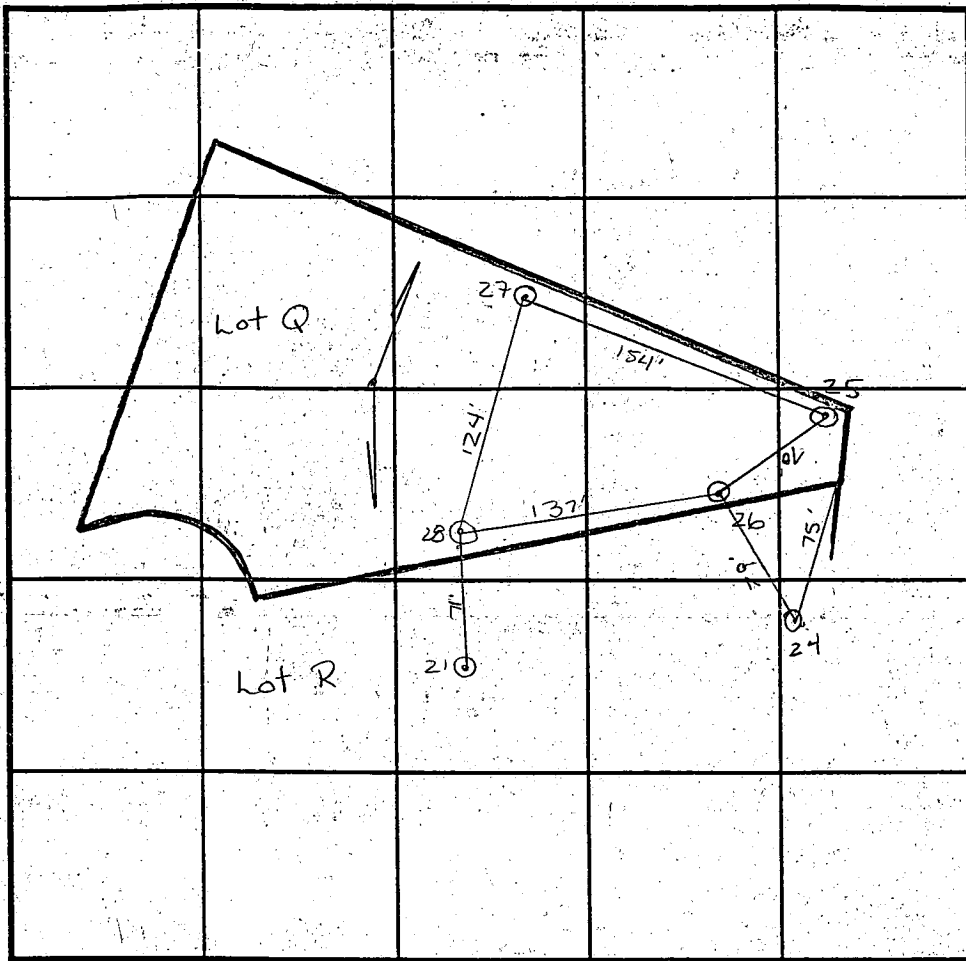
THIS IS NOT A PERMIT

A49482Q

COUNTY #

SOIL PROFILE

0' 25
CL
red/tan
hardy
any c
5
SL
red
hardy
2
26
orange
CL



SOIL PROFILE

0' 28
red
C
4 1/2
SL
red
5%
rock
11

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8/19/93	25	VII 5	11:02 ¹⁰	11:03 ⁰⁷	11:03 ⁰⁷	11:04 ⁵⁰	2
	26	VII 5	11:09 ²⁰	11:11 ³⁴	11:11 ³⁰	11:16	4 1/2
	27	VII 1/2 8	11:21 ³⁰	11:23 ¹⁵	11:23 ¹⁵	11:26	2 3/4
		5 1/2	11:22	11:23	11:23	11:25	2
	28	VII 9	11:30	11:32	11:30	11:34	2
		5	11:30 ²⁰	11:32	11:30 ⁵⁰	11:33 ⁵⁰	2
	21	VII 10	11:30	11:31	11:30	11:32	2
		5	11:30	11:31	11:30	11:32	2
	24	VII 6	10:30 ³⁰	10:40	10:40	10:46	6
		4 1/2	10:30	10:40	10:40	10:46	6

REMARKS Tests 21 & 24 are in A49482R

TYPE OF SOIL Chester

TESTED BY Amy McMillen / Cwell ALSO PRESENT Cissie / Andres

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 2 TRENCH WIDTH 3

INLET DEPTH 5 MAXIMUM BOTTOM DEPTH 7 SQ. FT./BEDROOM 180

5
red
SL
5%
rock
column
decreases
at
bottom
27

CL
red
5
SL
red
11 1/2

C1 7820 SEQUENCE NO. (MDE USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLUMNS 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 A19482 Q

ST/CO USE ONLY
 DATE RECEIVED
 092696

DATE WELL COMPLETED
 092496

Depth of Well
 22 285 26
 (TO NEAREST FOOT)

PERMIT NO.
 FROM "PERMIT TO DRILL WELL"
 HD-94-0918

OWNER WARFIELD GRANT LTD
 STREET OR RFD FIELDS END COURT TOWN LISBON
 SUBDIVISION WARFIELDS GRANT SECTION 1 LOT 19

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	
Brown Shale	0	76	
Blue Rock	76	285	✓

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) Y N
 TYPE OF GROUTING MATERIAL (Circle one)
 CEMENT CM BENTONITE CLAY BC
 NO. OF BAGS 22 NO. OF POUNDS 2068
 GALLONS OF WATER 132
 DEPTH OF GROUT SEAL (to nearest foot)
 from 0 ft. to 69 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
 Nominal diameter (nearest inch) 6 Total depth of main casing (nearest foot) 80

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 HO OPEN HOLE
 PL PLASTIC OT OTHER

NUMBER OF UNSUCCESSFUL WELLS: 0
 WELL HYDROFRACTURED Y N

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/MD 24
 DRILLERS LIC. NO. 24

DRILLERS SIGNATURE
 (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 27

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

DEPTH (nearest ft.)
 1 H0 79 285
 2
 3

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
 70 72 74 75 76

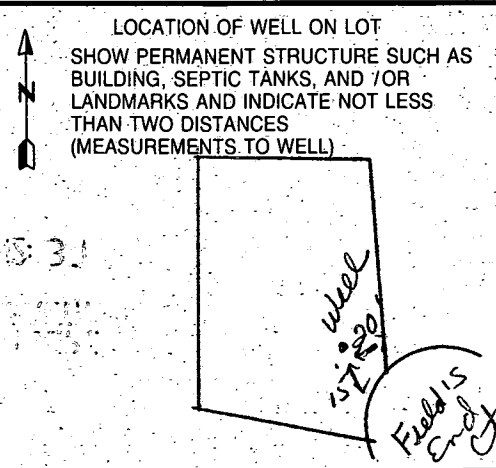
TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST
 HOURS PUMPED (nearest hour) 3
 PUMPING RATE (gal. per min.) 47
 METHOD USED TO MEASURE PUMPING RATE Bucket
 WATER LEVEL (distance from land surface)
 BEFORE PUMPING 36 ft.
 WHEN PUMPING 232 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

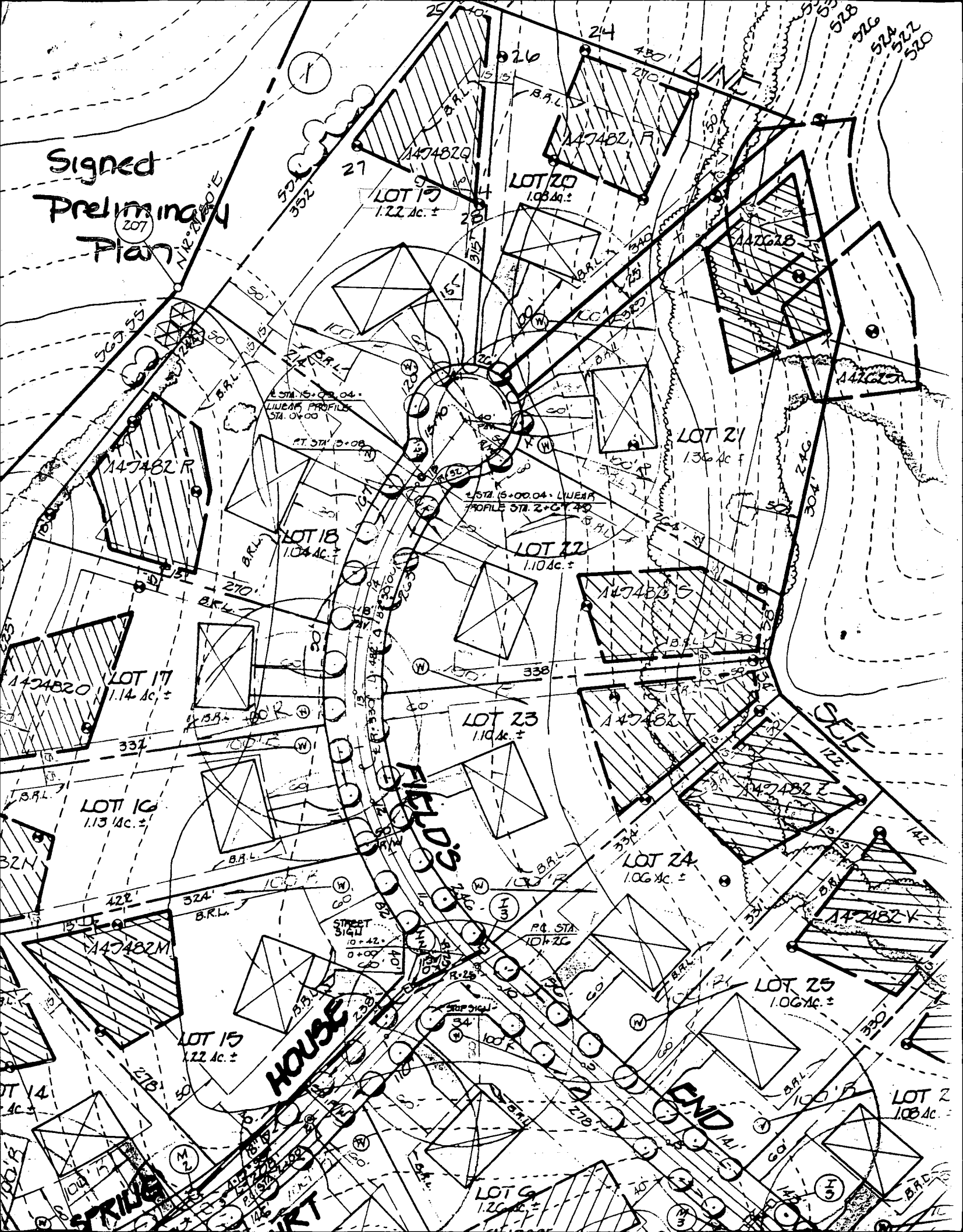
PUMP INSTALLED
 DRILLER WILL INSTALL PUMP (CIRCLE) (YES OR NO) YES NO

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) 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)
 + above
 - below
 LAND SURFACE (nearest foot)



Signed
Preliminary
Plan



207

N12-28-00'E

363.55'

147482P

LOT 18
1.04 Ac. ±

LOT 22
1.10 Ac. ±

LOT 21
1.36 Ac. ±

LOT 17
1.14 Ac. ±

LOT 23
1.10 Ac. ±

LOT 24
1.06 Ac. ±

LOT 16
1.13 Ac. ±

LOT 15
1.22 Ac. ±

LOT 25
1.06 Ac. ±

LOT 14
Ac. ±

LOT 6
1.20 Ac. ±

LOT 2
1.08 Ac. ±

FORD'S
HOUSE

END

SPRING

COURT

SEE

122'

142'

142'

142'

142'

142'

142'

142'

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

528

<

3846
 8815
 .0184
 7984
 .3586
 7667
 4708
 607
 110
 412
 .6159
 .7806
 .5374
 4606
 .3437
 .5581
 2393
 2526
 6051
 9222

- (99) COORDINATE POINT #
- (E/C 99) CURVE CENTER POINT #
- C-99 CURVE #
- SOIL PERCOLATION TEST LOCATION

Copy of
 signed final
 F-95-36

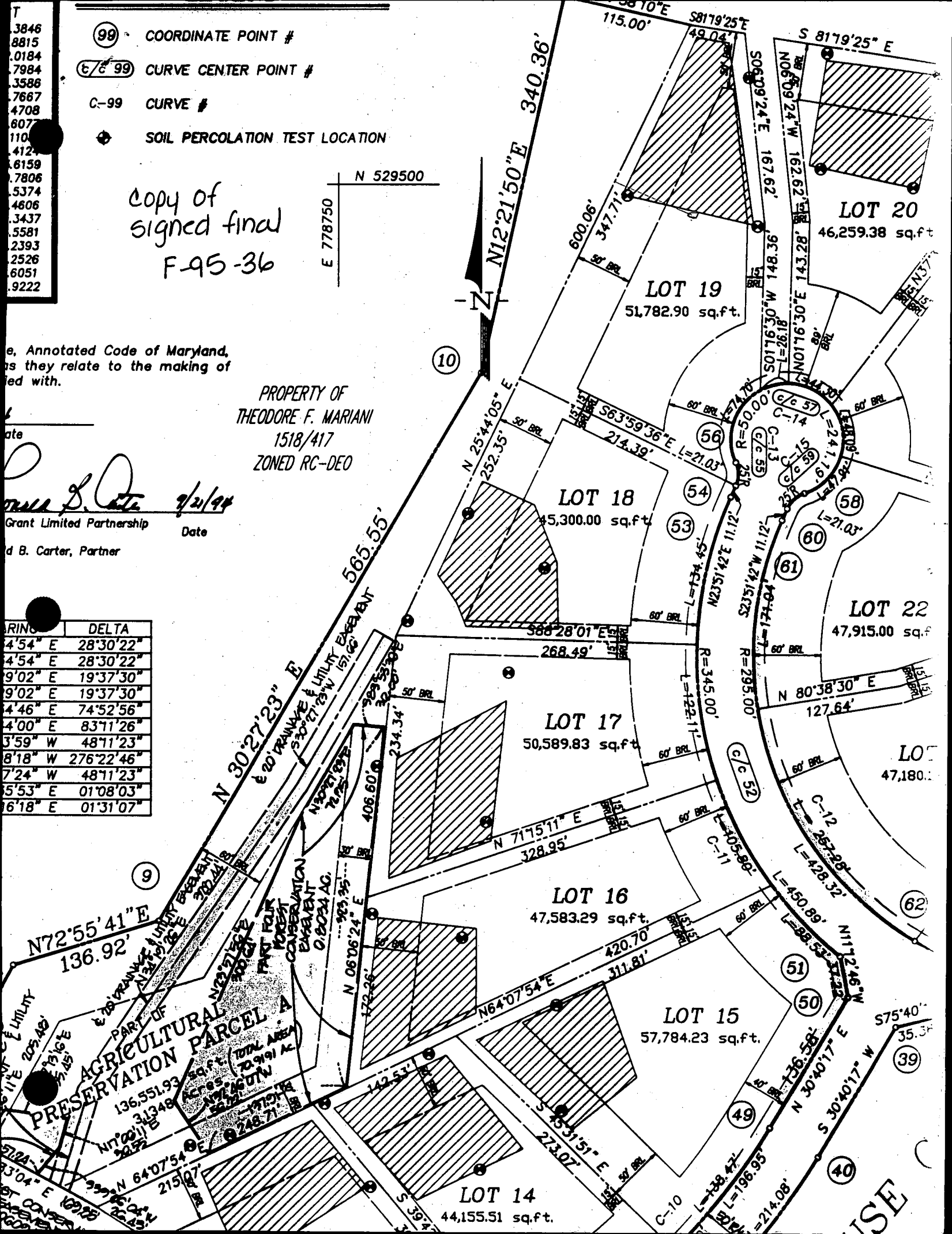
N 529500
 E 778750

e, Annotated Code of Maryland,
 as they relate to the making of
 ed with.

PROPERTY OF
 THEODORE F. MARIANI
 1518/417
 ZONED RC-DEO

Date
 Grant Limited Partnership
 Date
 d B. Carter, Partner

Bearing	DELTA
4°54' E	28°30'22"
4°54' E	28°30'22"
9°02' E	19°37'30"
9°02' E	19°37'30"
4°46' E	74°52'56"
4°00' E	83°11'26"
3°59' W	48°11'23"
8°18' W	276°22'46"
7°24' W	48°11'23"
5°53' E	01°08'03"
6°18' E	01°31'07"



WISE



1/14/97

HOWARD COUNTY Health Dept

Mr. CRAIG Williams

The driveway @ Lot 19 WARFIELD'S CORNER SECTION 2 will be at least 15' (FIFTEEN FEET) FROM THE well location. This change will NOT in ANY WAY AFFECT ANY OTHER REVIEW AUTHORITY. The well is located APPROXIMATELY 60' FROM THE left Lot line.

BP B00103515

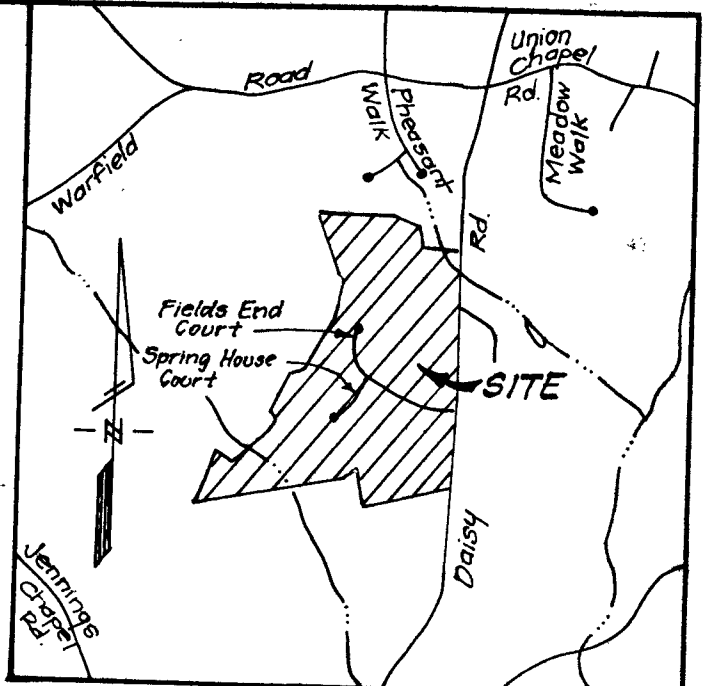
-well location to be field located (may be located in SCE) and SCE modified
-called J. Ecker, she will correct problem and get back to us
JKS

Craig Williams

1/15/97 accepted by Health Dept - BP signed. JKS

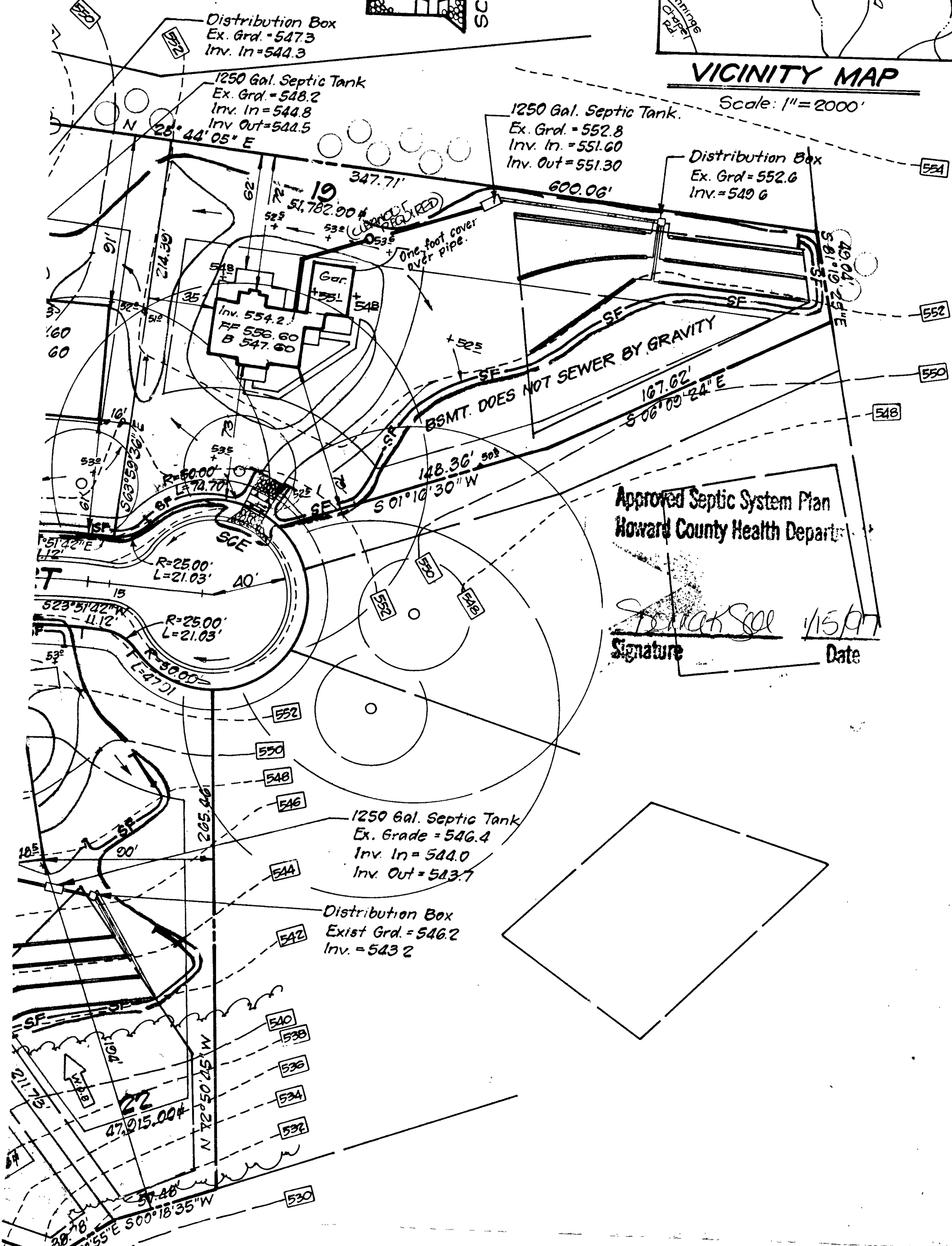
LEGEND

- Contour Interval 2 Ft.
- Existing Contour
- Proposed Contour
- Spot Elevation +40.2
- Direction of Drainage
- Existing Trees To Remain
- Tree Protection Fence
- Silt Fence
- Stabilized Construction Entrance



VICINITY MAP

Scale: 1" = 2000'



NOTES:

- 1 For previously approved plans for Warfield's Grant see S-94-05, P-94-11 and F-95-36.

GP-96-182



CLARK • FINEFROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS

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

DESIGNED
JME/KI/M

DRAWN
BAL

CHECKED
KM

DATE
5-28-96

SITE DEVELOPMENT, SEDIMENT AND EROSION CONTROL PLAN
WARFIELD'S GRANT

LOTS 2, 5, 8, 11, 14, 17-19, 22, 23 & 28

SECTION 2
4TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

For: SELFRIDGE BUILDERS, INC.
14045 Gared Drive
Glenwood, Md. 21738

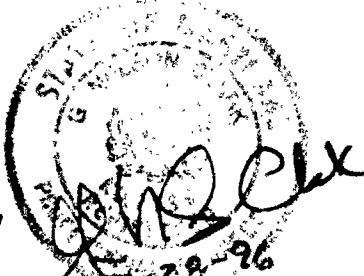
SCALE
1" = 50'

DRAWING
1 OF 3

JOB NO.
96-085

FILE NO.
96-085-X

TE
diment and
1 and workable
e of the site
in accordance
Soil Conservation



5-28-96
DATE