

9.23.98
final
LSP
Bpm

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 510698

A 40792

05-413478

DISTRICT 5th

DATE 9/21/98

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXXXX~~ 410-313-2640

DATE SYSTEM APPROVED 9-24-98

INSPECTOR CM

INDEXED

Arnold's Backhoe & Septic Service _____ IS PERMITTED TO INSTALL X ALTER _____

ADDRESS P.O. Box 15 Woodbine, MD 21797 PHONE (410) 795-7873

SUBDIVISION The Warfields LOT 28 ROAD 14814 Sapling Way

PROPERTY OWNER Trinity Custom Homes Johnnie Nussbaum

ADDRESS _____ **BUILDING PERMIT SIGNED**

SEPTIC TANK CAPACITY 1250 GALLONS 5405 800 15353-2 DECKS

NUMBER OF BEDROOMS 4

**BLDG. PERMIT SIGNED
AND RETURNED 5-12-99
Serial # B10117905-
2-decks**

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

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 3 feet below original grade. 1.5 feet of stone below distribution pipe.

LOCATION - Place the distribution box 195 feet from the left lot line and 150 feet from the front lot line as seen from Sapling Way. 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 6/15/98 DKS

PLANS APPROVED BY Mark Rifkin/Donna K. Soe DATE 06/10/98

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

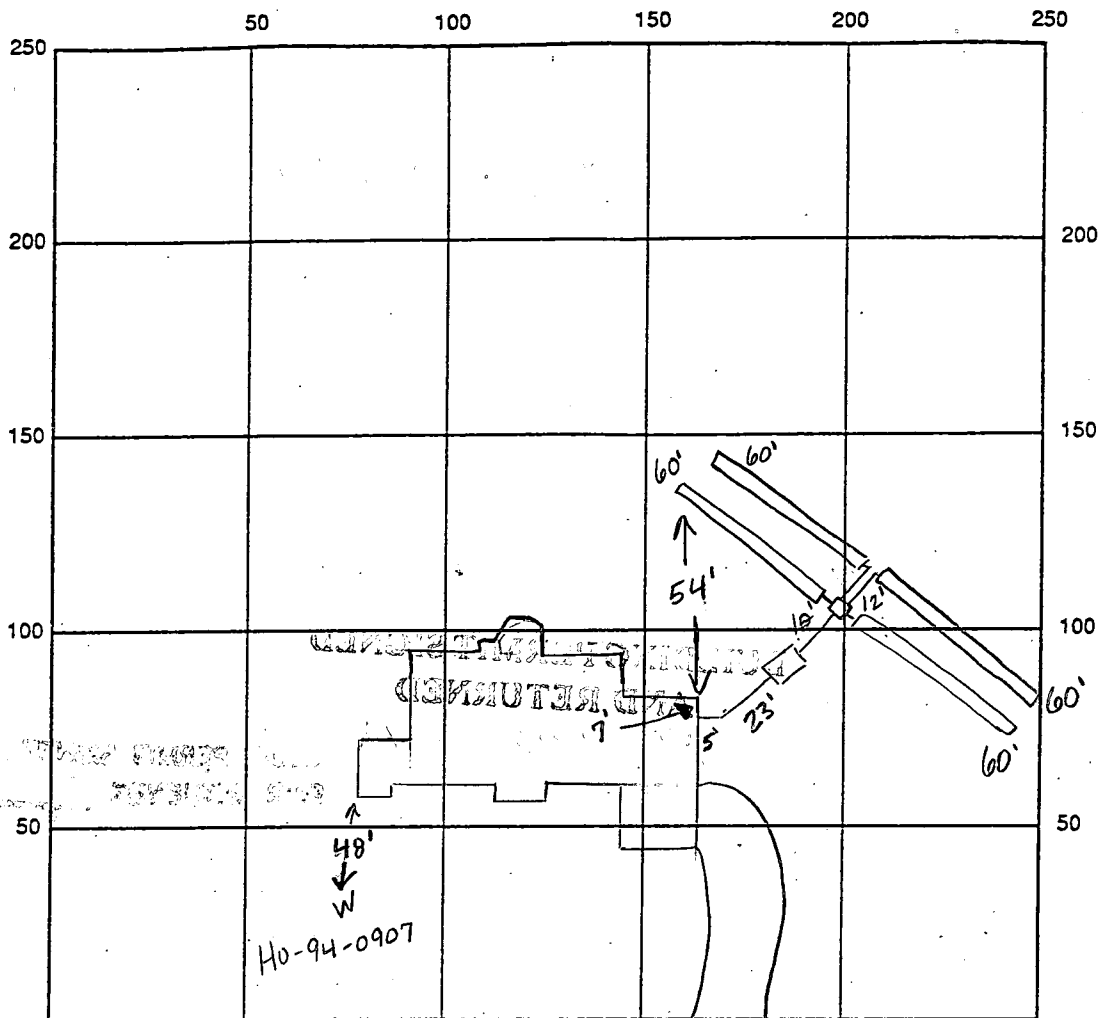
**BLDG. PERMIT SIGNED
AND RETURNED 2-24-99
Serial # B10116343**

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. Inground PPH

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE *Sapping Way*

SEPTIC TANK LEVEL OK, 1250 gallons CLEANOUTS 1 at house, 1 on tank

DISTRIBUTION BOX LEVEL OK, baffle in

DRAIN FIELD/TITLE DEPTH 4.5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 1.5 FT. TOTAL LENGTH 60 x 4 FT. → 240

NUMBER OF TRENCHES 4 ONE SIDEWALL/BOTTOM AREA 720 SQ. FT.

DRYWALL INSIDE DIAMETER FT. EFFECTIVE DEPTH BELOW INLET FT.

ABSORBENT AREA SQ. FT.

REMARKS: 9.23.98 WPI ok to cover, P.A. 3' below grade, casing 1.5' above grade, has 2 piece cap, line skewed out of house

9.23.98 needs cleanout pipe at house conn. and on tank, needs house conn. line not complete from house to tank, need line from tank to distribution box and need a box, ok to cover 1st three trenches (KM)

9.24.98 has cleanout at house and tank, has house conn, ok to cover all work (KM)

DATE SYSTEM APPROVED 9.24.98 INSPECTOR Kim Meister

WALL CHECK

LOT 29

41.50
N05°12'08"W

CHESTNUT
R=275.00'

50'R/W

268.58

BRL

LOT 28
3.00 AC. ±

60'

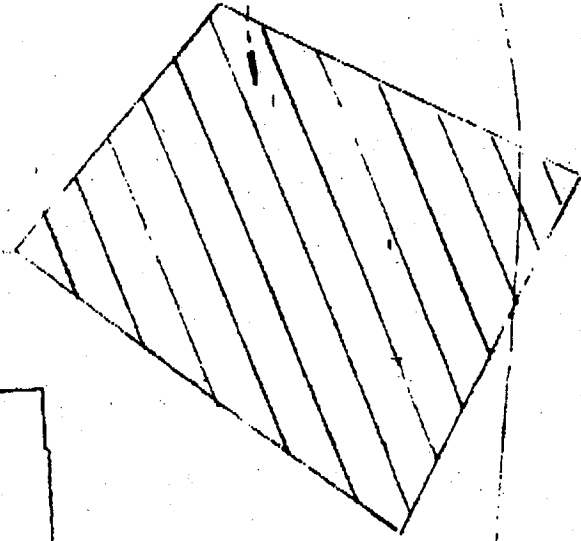
Private Sewage Easement,
see General Note No. 1
Plat No. 9581

BRL

250.23'
S85°54'55"W

BRL

30'



#148'4

81' ±

30'

72' ±

BRL

75'

102' ±

S82°47'16"W

555.00'
41.33'
S27°43'42"E

305.96'

S86°08'58"
36.56'
N68°50'53"E

R=4'
1"=5'

355' ±

C1 7811 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 COLUMNS 3-6 ON ALL CARDS)

FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE

COUNTY NUMBER A40792

ST/CO USE ONLY DATE RECEIVED 082696

DATE WELL COMPLETED 082196

Depth of Well 22 265 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" H0-94-0907

OWNER WARFIELD KENNARD STREET OR RFD last name SAppling Way first name TOWN GLENELG SUBDIVISION THE WARFIELDS SECTION LOT 28

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. Rows include Top Soil, Sandy, Sandstone, MICKA, Sandstone, MICKA, Sandstone, MICKA.

GROUTING RECORD WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL (Circle one)

CEMENT (C.M.) BENTONITE CLAY (B.C.) NO. OF BAGS 10 NO. OF ROUNDS 20 GALLONS OF WATER DEPTH OF GROUT SEAL (to nearest foot)

CASING RECORD casing types insert appropriate code below (S) (C) (P) (O) STEEL CONCRETE PLASTIC OTHER

MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch)! Total depth of main casing (nearest foot)

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

SCREEN RECORD screen type or open hole insert appropriate code below (S) (B) (H) (P) (O) STEEL BRASS BRONZE PLASTIC OPEN HOLE 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/MGD DRILLERS LIC. NO. 116 Path Wayne

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

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

DEPTH (nearest ft.) H036 265 CASING HEIGHT (circle appropriate box and enter casing height) (+) above (-) below LAND SURFACE (2) (nearest foot)

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.) 8.5 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 26 ft. WHEN PUMPING 50 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.

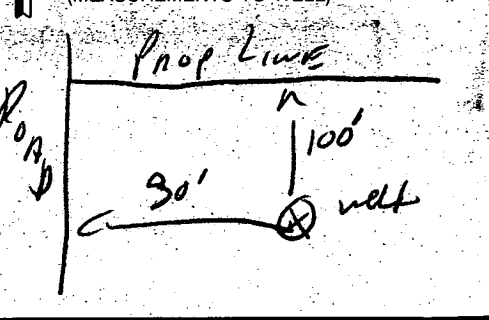
TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29

CAPACITY: GALLONS PER MINUTE (to nearest gallon) PUMP HORSE POWER

PUMP COLUMN LENGTH (nearest ft.)

CASING HEIGHT (circle appropriate box and enter casing height) (+) above (-) below LAND SURFACE (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)



EMERGENCY/TEMP NO. IF ANY

B 1 **0228** 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

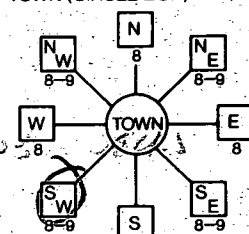
STATE PERMIT NUMBER
H0-94-0907
fill in this form completely

Date Received (APA) **081496**

OWNER INFORMATION
WARFIELD HOWARD
15 Last Name 34 Owner First Name
14663 TRIOCLORH)A RD
36 Street or RFD 55
GLENELG MD 21737
57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL
HOWARD
8 COUNTY 21
THE WARFIELDS
23 SUBDIVISION 42
SECTION **7** LOT **28**
44 46 48 50
GLENELG
52 NEAREST TOWN 71
MILES FROM TOWN (enter 0 if in town) **2** MI
73 76 77 78

DRILLER INFORMATION
Ralph MAYNE
CIRCLE MSD/MGD/MWD
77 License No. 80 **113**
Driller's Name
Firm Name **Ralph MAYNE well Drilling**
Address **9120 Brown Church Rd. Mt. Airy**
Ralph Mayne 8/14/96
Signature Date

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)


NEAR WHAT ROAD **JARLING WAY**
11 30
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
WEST EAST
34 **30** 37
DISTANCE FROM ROAD
ENTER FT OR MI **FD**
38 39
TAX MAP: _____ BLK: _____ PARCEL _____

B 2 WELL INFORMATION
APPROX. PUMPING RATE (GAL. PER MIN.) **5**
8 12
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **500**
14 20

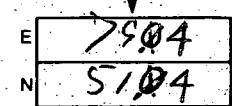
USE FOR WATER (CIRCLE APPROPRIATE BOX)
 D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
 F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
 I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER. (REQUIRES APPROPRIATION PERMIT)
 P PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)
 T TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

NOT TO BE FILLED IN BY DRILLER: HEALTH DEPARTMENT APPROVAL
HOWARD COUNTY A40792
COUNTY NAME COUNTY NO.
STATE SIGNATURE _____ INSERT S _____
DATE ISSUED **081996** **A.M. Miller** **8/18/97**
43 48 CO SIGNATURE EXP. DATE
NORTH GRID **514000** EAST GRID **0794000**
50 55 57 63

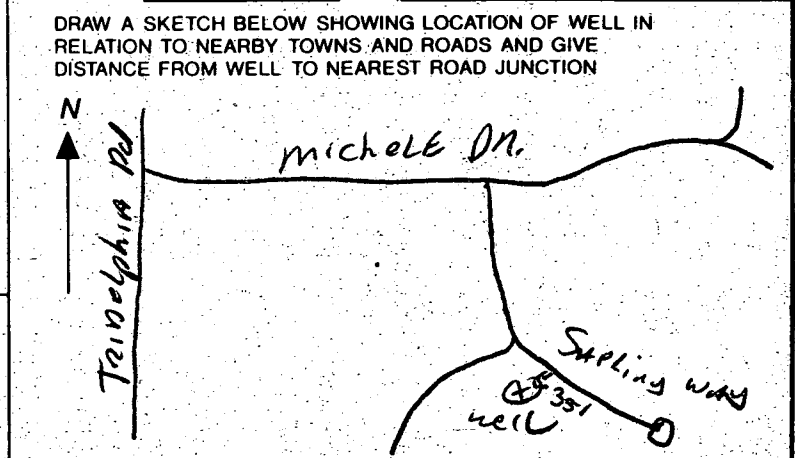
APPROXIMATE DEPTH OF WELL **150** FEET
24 28

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 _____

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


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 DEEPEM AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52



Not to be filled in by driller (MDE OR COUNTY USE ONLY)
APPROX. PERMIT NUMBER _____ 54 63
FORCE **AM** WRITE INITIALS IN BOX PERMIT No. **H0-94-0907**
67 68 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS
NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED -

APPLICATION

PERCOLATION TESTING

A 40792

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 461-9933

DISTRICT 5th

DATE 12/1/87

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Kennard Warfield Jr. Trinity Custom Homes

ADDRESS 14663 Triadelphia Rd PHONE 442-2337

PROSPECTIVE BUYER N/A

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Sapling Range THE WARFIELDS LOT NO. 27 LOT 28 Preliminary

ROAD AND DESCRIPTION 14600 Triadelphia Rd just west of Howard Rd
(14814 Sapling Way)

TAX MAP 27 PARCEL # 56

SIZE OF LOT 3 acres TYPE BLDG. SFD - 4 Brm
(SINGLE FAMILY DWELLING OR COMMERCIAL)

BLDG. PERMIT SIGNATURE
AND RETURNED 6-10-98
Serial # BR 112122

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.

Myard Reil
(SIGNATURE OF APPLICANT)

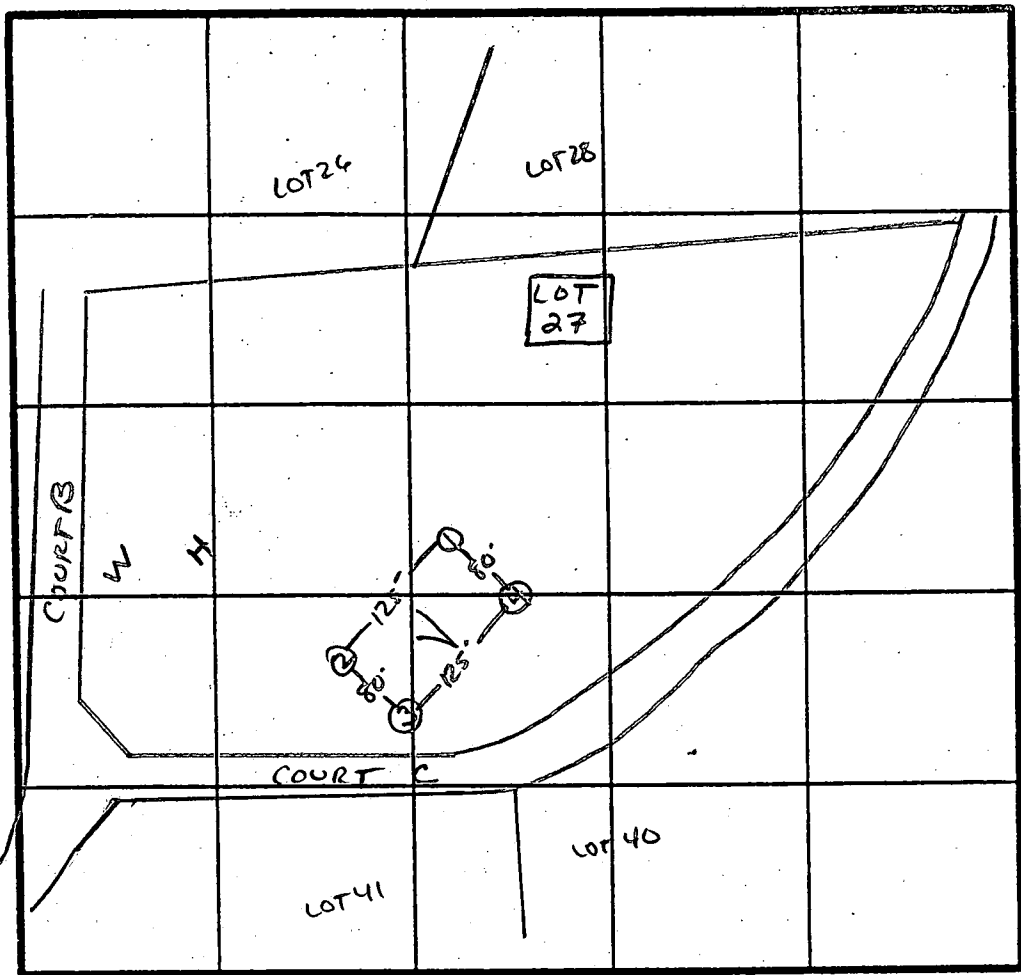
APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 2-1-88 PERC SATISFACTORY - HOLD FOR PERM. S. Hill

THIS IS NOT A PERMIT



① - ④
 SOIL PROFILE
 0
 7"
 AP
 Yell. Red
 Silty Cl. Lm.
 10-15%
 FRASS
 3.5'
 Yell. BR.
 Silty Lm.
 15-25%
 FRASS
 Slightly
 Micaceous
 12'
 HARD BOTTOM
 #1 9'
 #4 10.5'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

↳ TO TRIADELPHIA Rd.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2/1/88	1 S	4"	10:33	10:34	10:34	10:36	2 MIN
		7"	10:33	10:35	10:35	10:39	4 MIN
	1 V	9"	MICA SCHIST w/ QUARTZ		HARD BOTTOM - UNIFORM below 3.5'		
	2 V	12"	UNIFORM soil below		3.5' SOFT TO BOTTOM		
	3 V	12"	10:40	10:43	10:43	10:48	5 MIN
	4 S	4.0'	10:36	10:37	10:37	10:39	2 MIN
	4 V	10.5'	HARD BOTTOM AT 10.5'		SIMILAR TO #1		

TRANSITION SOIL POSSIBLE

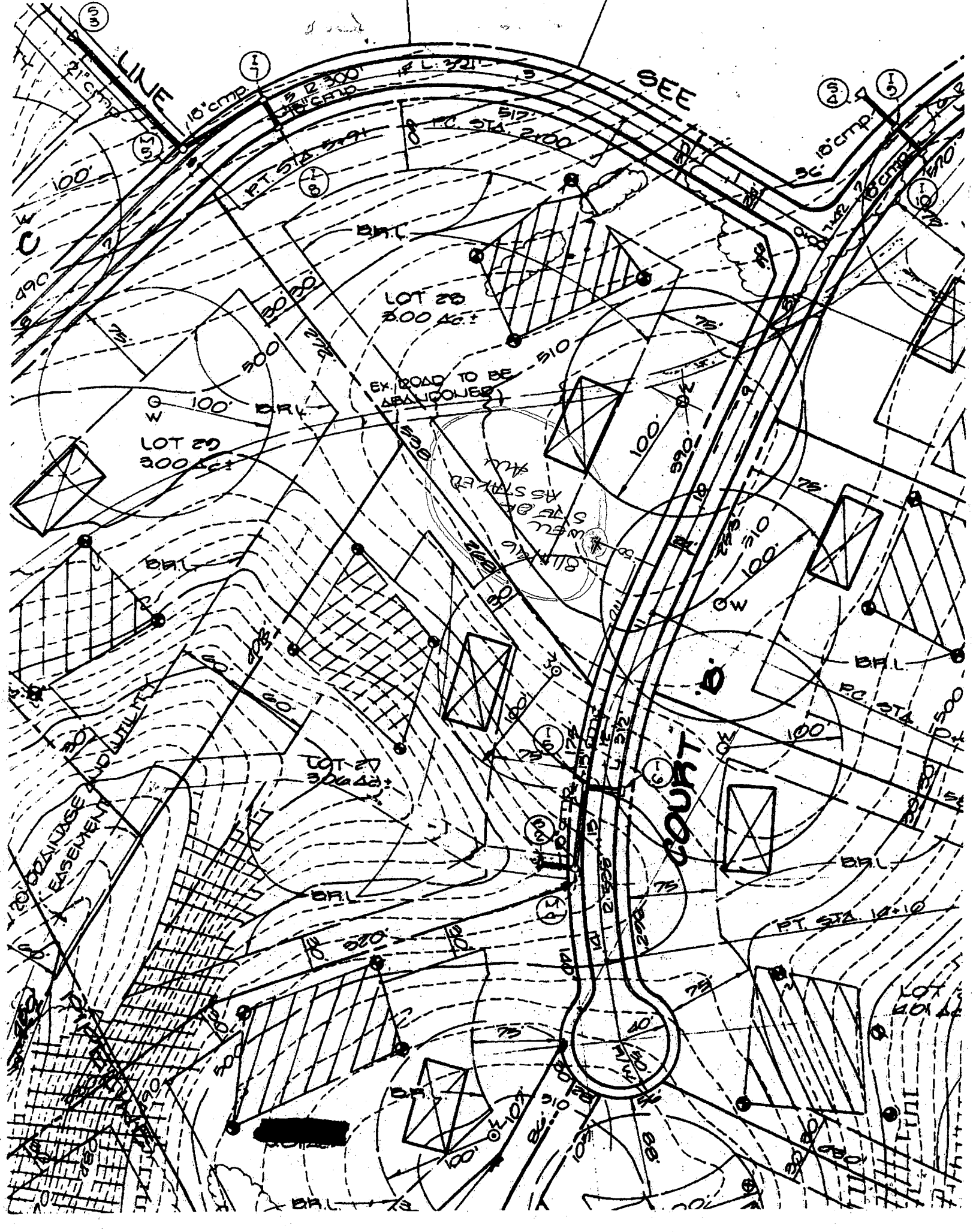
REMARKS HOLES APPROX. TO FLAT - SHALLOW SYST. ONLY

TYPE OF SOIL MANOR LOAM

TESTED BY SID ABEL ALSO PRESENT LETTERMAN & Co.

MARK R.

EH-12-1079



LINE

SEE

LOT 28
300 AC.

LOT 29
300 AC.

EX. ROAD TO BE
ABANDONED

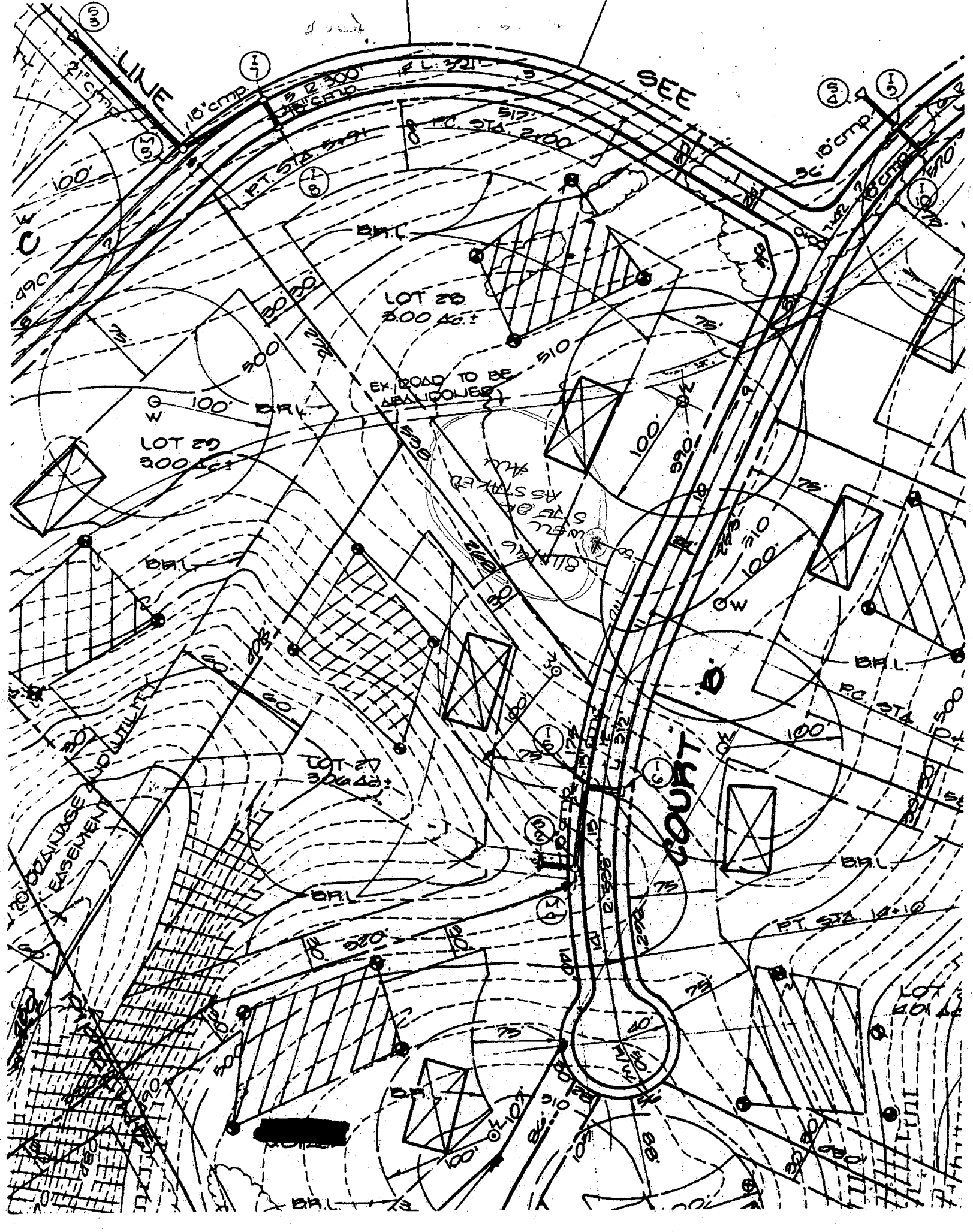
COURT

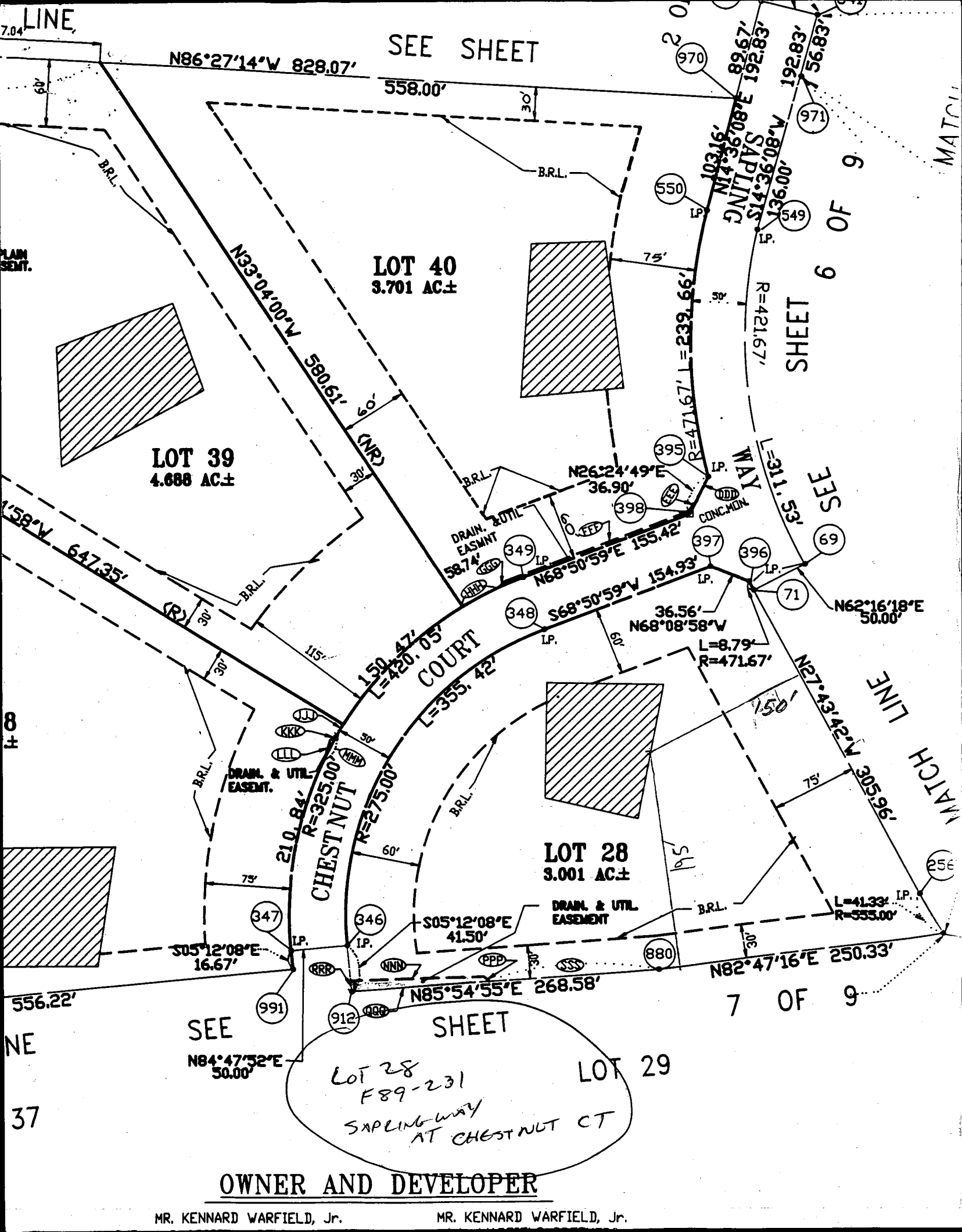
EASEMENT
ADJUTILITY

LOT 30
300 AC.

PT. STA. 10+10

LOT
40 AC.





LINE, 7.04'

SEE SHEET

N86°27'14"W 828.07'

558.00'

LOT 40
3.701 AC±

LOT 39
4.688 AC±

N33°04'00"W 580.61'
196.01'
30'
60'
(CNR)

2 OF 9
SAPLING WAY
N89°26'17"E 292.68'
N80°56'57"E 192.83'
N80°56'57"E 192.83'
N80°56'57"E 192.83'
R=421.67'
SHEET 6 OF 9

SEE SHEET 6 OF 9
MAY WAY
N311°53'
R=471.67', L=239.66'
R=471.67'
CONC. MEN.

N158°W 647.35'

DRAIN. & UTIL. EASEMENT
58.74'

N26°24'49"E 36.90'

N68°50'59"E 154.93'

LOT 28
3.001 AC±

CHESTNUT WAY
R=325.00'
210.84'
R=275.00'

COURT
L=420.05'
L=355.42'

DRAIN. & UTIL. EASEMENT

S05°12'08"E 41.50'

N85°54'55"E 268.58'

N82°47'16"E 250.33'

SEE

SHEET

7 OF 9

N84°47'32"E 50.00'

LOT 28
F89-231

LOT 29

SAPLING WAY AT CHESTNUT CT

OWNER AND DEVELOPER

MR. KENNARD WARFIELD, Jr.

MR. KENNARD WARFIELD, Jr.

SPECIAL NOTE:
PLEASE SEE OWNER FOR ACCE

CHESTNUT COURT
50' R/W

LOT 28
3.00 AC. +/-

*DR. MARY PATRICK
SAPLING WAY
NO POST
60 LI*

SEPTIC
RESERVE
AREA

DRIVEWAY

EX. WELL

HOUSE

26' X 45' SWIMMING POOL

Access

F.PAD

POOL

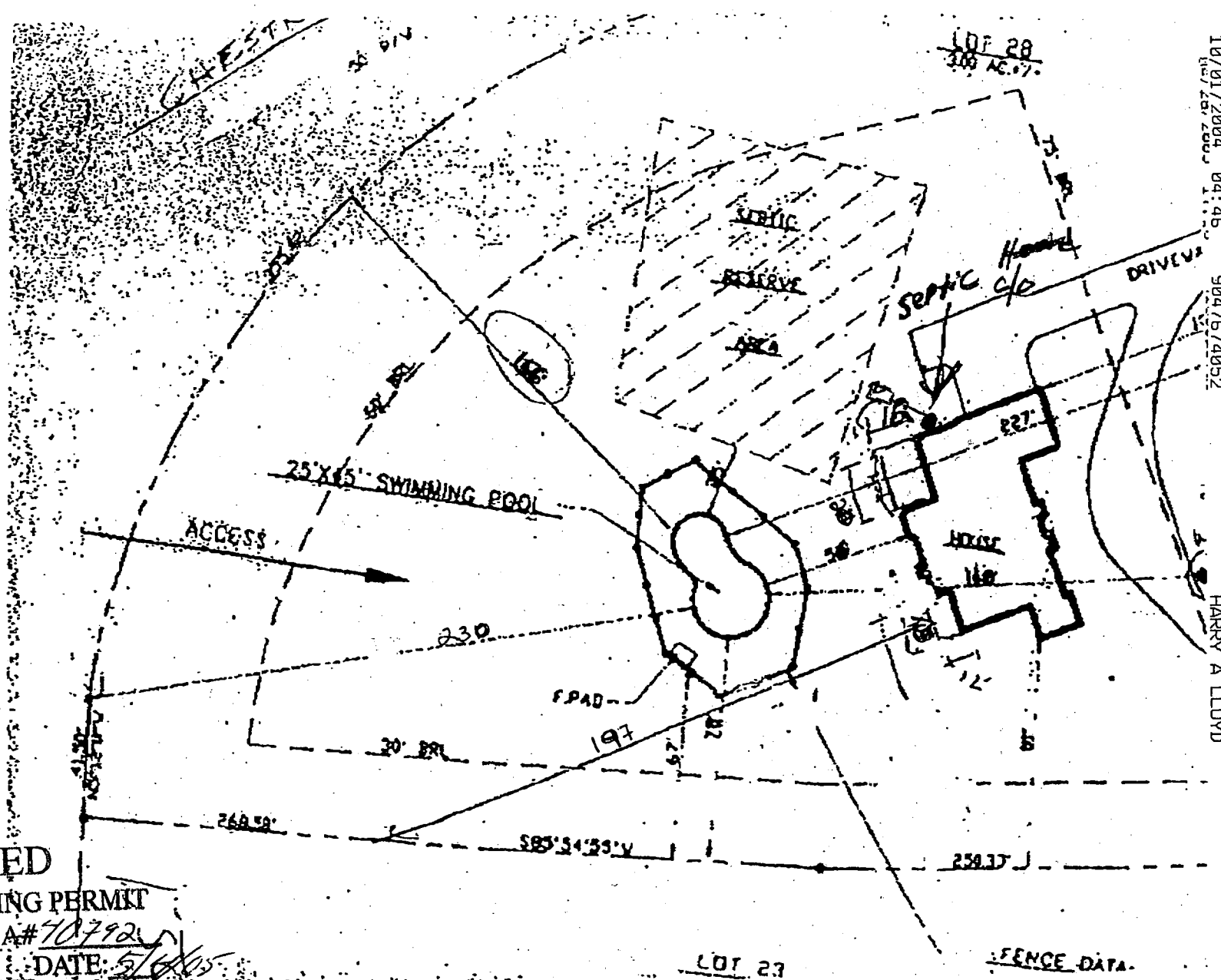
LOT 23

FENCE DATA:

PROP. 4' HIGH WOOD FENCE AS
PER CODE- BY OWNER
(220 LIN.FT.)

SITE PLAN

A.8.21.54



APPROVED

WALK-THRU BUILDING PERMIT

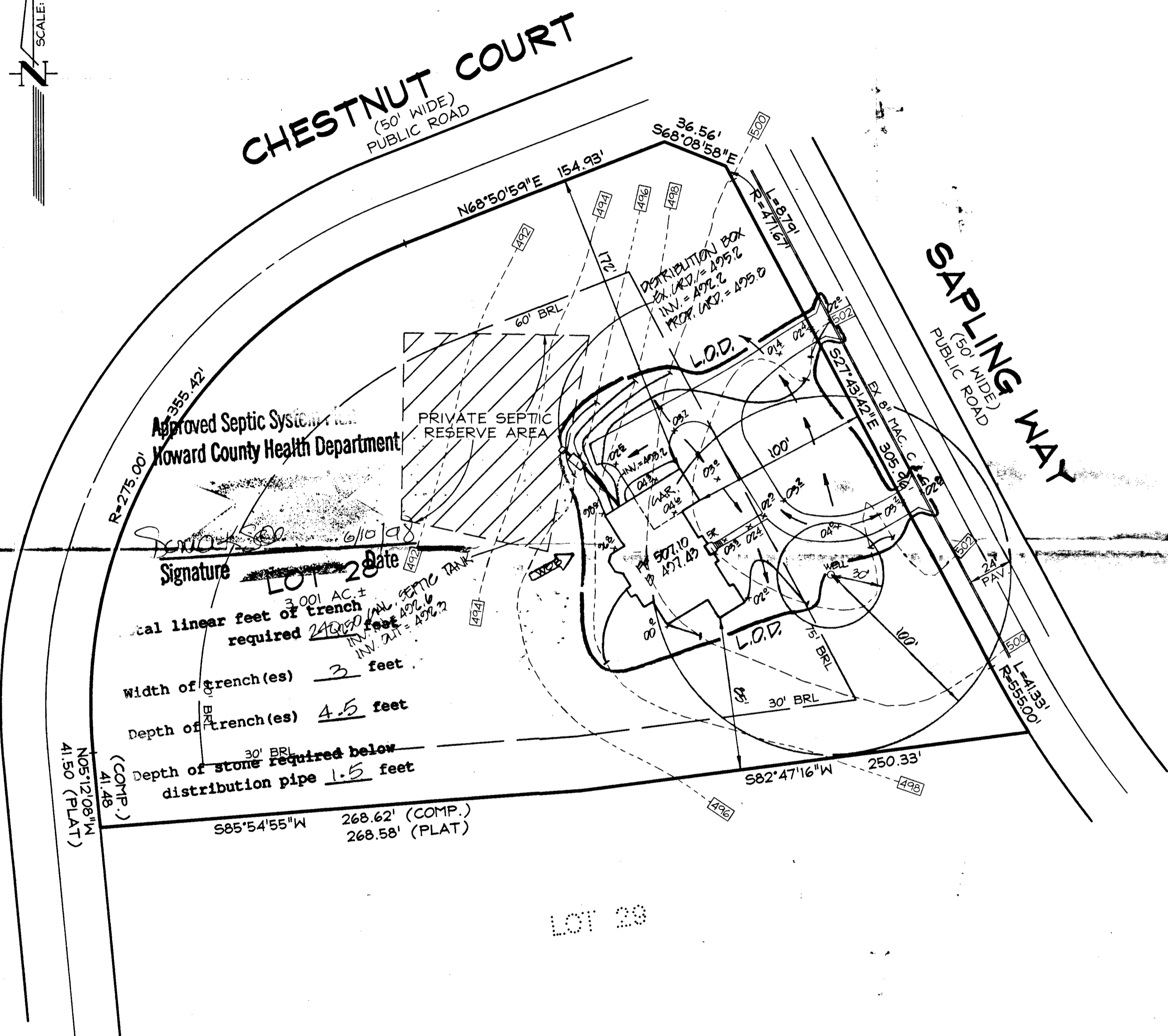
BP# BVD153553 A# 70792

APP. SAN HJB DATE: 5/1/05

DESC. OF WORK: 20x18

12x15 Deck

SCALE: 1" = 50'



Approved Septic System
 Howard County Health Department

Signature: *[Signature]* Date: 6/10/98

LOT 28
 3.001 AC. ±

Total linear feet of trench required 2400 feet

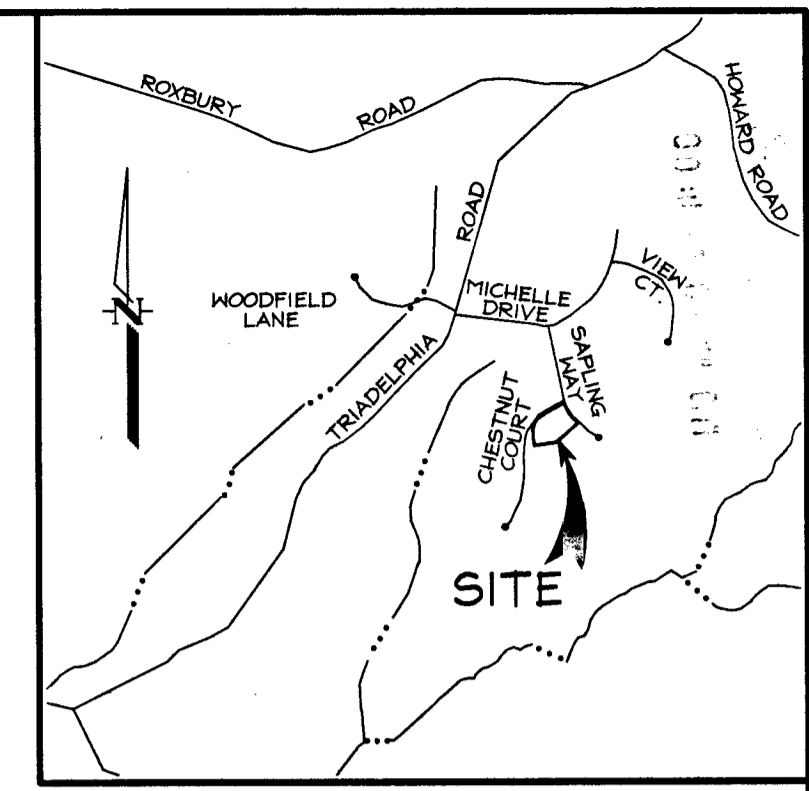
Width of trench(es) 3 feet

Depth of trench(es) 4.5 feet

Depth of stone required below distribution pipe 1.5 feet

LEGEND

- CONTOUR INTERVAL 2 FT.
- EXISTING CONTOUR 540
- PROPOSED CONTOUR 540
- DIRECTION OF DRAINAGE
- WALK OUT BASEMENT
- SPOT ELEVATION +78.4
- LIMIT OF DISTURBANCE L.O.D.
- TREE PROTECTION FENCE
- EXISTING TREES TO REMAIN



VICINITY MAP
 SCALE: 1" = 2000'

GENERAL NOTES

1. EXISTING TOPOGRAPHY WAS FIELD RUN BY CLARK, FINEFROCK & SACKETT, INC. ON MAY 26, 1998.
2. REFERENCE: PLAT NUMBER 9565
3. LENGTH OF TRENCHES TO BE DETERMINED AT TIME OF PERMIT ISSUANCE.
4. TOTAL AREA DISTURBED: 24,725 SF ±

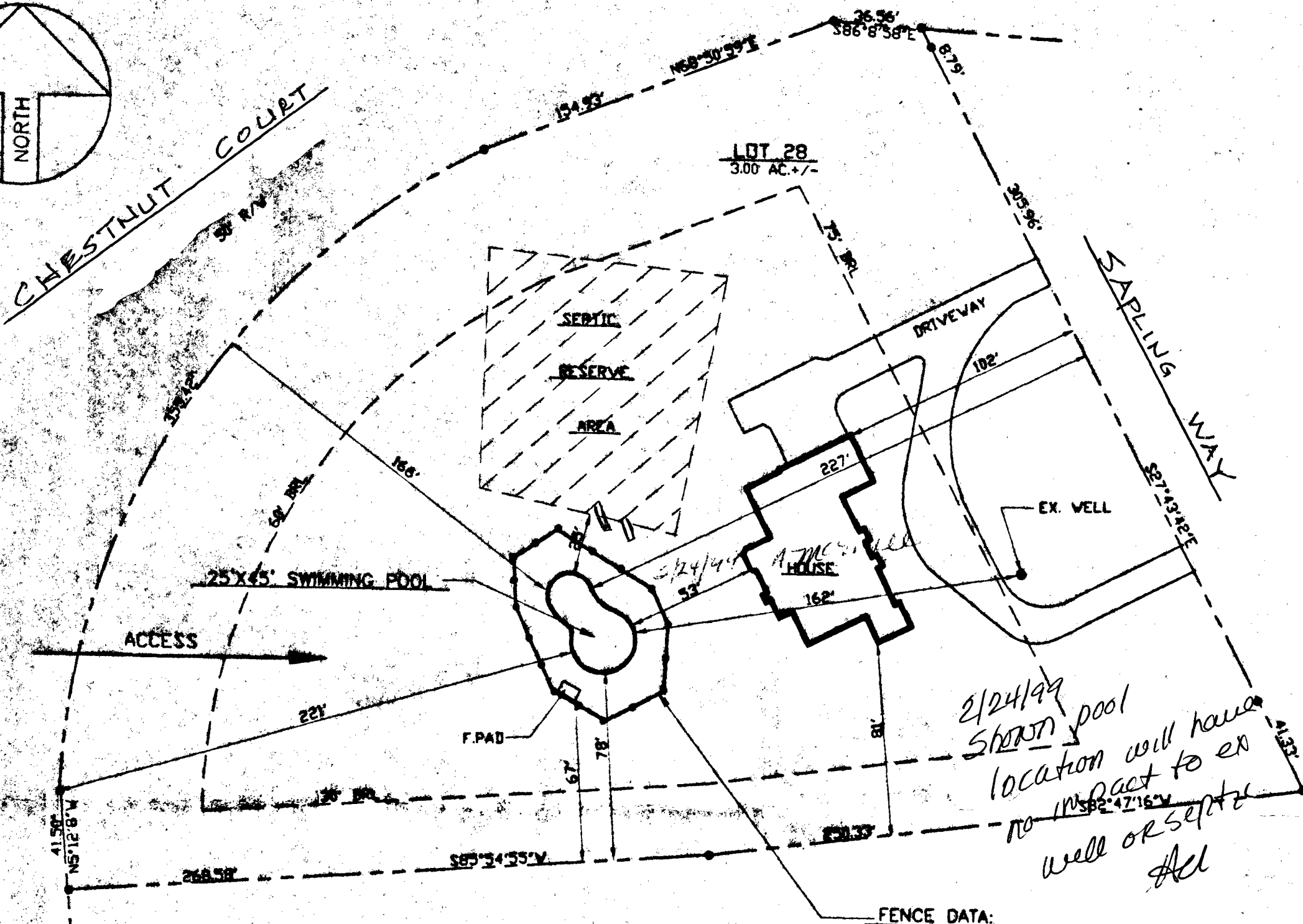
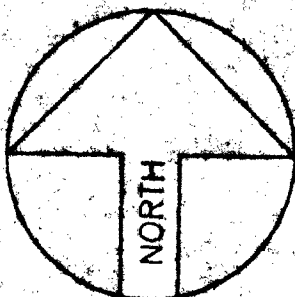
CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 BALT. • (301) 621-8100 WASH.			
DESIGNED	SITE DEVELOPMENT PLAN		SCALE
DM	LOT 28		1" = 50'
DRAWN	THE WARFIELDS		DRAWING
BLP			1 of 1
CHECKED	TAX MAP 27 PARCEL 56 & 114		JOB NO.
DM	FIFTH (5th) ELECTION DISTRICT		97-100
DATE	FOR: TRINITY BUILDERS, INC.		FILE NO.
JUNE 1998	6212 Devon Drive		97-100X
	Columbia, Maryland 21044		

SETBACKS:

REAR PL.	10'
SIDE PL.	30'
HOUSE	10'
SEPTIC	20'
WELL	30'

**PRIVATE WELL
& SEPTIC**

**NOTE: A VACUUM BREAKER
WILL BE INSTALLED
ON JOB AS PER
CODE.**



*2/24/99
shown pool
location will have
no impact to ex
well or septic
Hcl*

FENCE DATA:

PROP. 4' HIGH WOOD FENCE AS
PER CODE - BY OWNER
(220 LIN.FT.)

SITE PLAN

SCALE: 1" = 50'

14914 SApLING WAY