

4/25/97
WRE (EARLY)

03-318869

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 58017 B

A 47204 -B

DISTRICT 3rd

DATE 3-11-97

DATE SYSTEM APPROVED 4-25-97

INSPECTOR DKS

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

461-9933 313-2640

INDEXED

Arnold Backhoe & Septic Services IS PERMITTED TO INSTALL ALTER

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

SUBDIVISION West Friendship Estates LOT 27 ROAD 3156 River Valley Chase

PROPERTY OWNER Trinity Builders / London Scott Sink

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

ICAD 8-1-97

TRENCHES - Trench to be 3 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 5.5 feet below original grade. Effective area begins at 3.5 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION -- Place distribution box 170 feet down the right (340.28) lot line and 15 feet off that same lot line as seen when facing the lot from River Valley Chase. 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 7/21/95 DKS

PLANS APPROVED BY Amy McMillen DATE 7/18/95

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 11-7-97

PERMIT VOID AFTER TWO YEARS

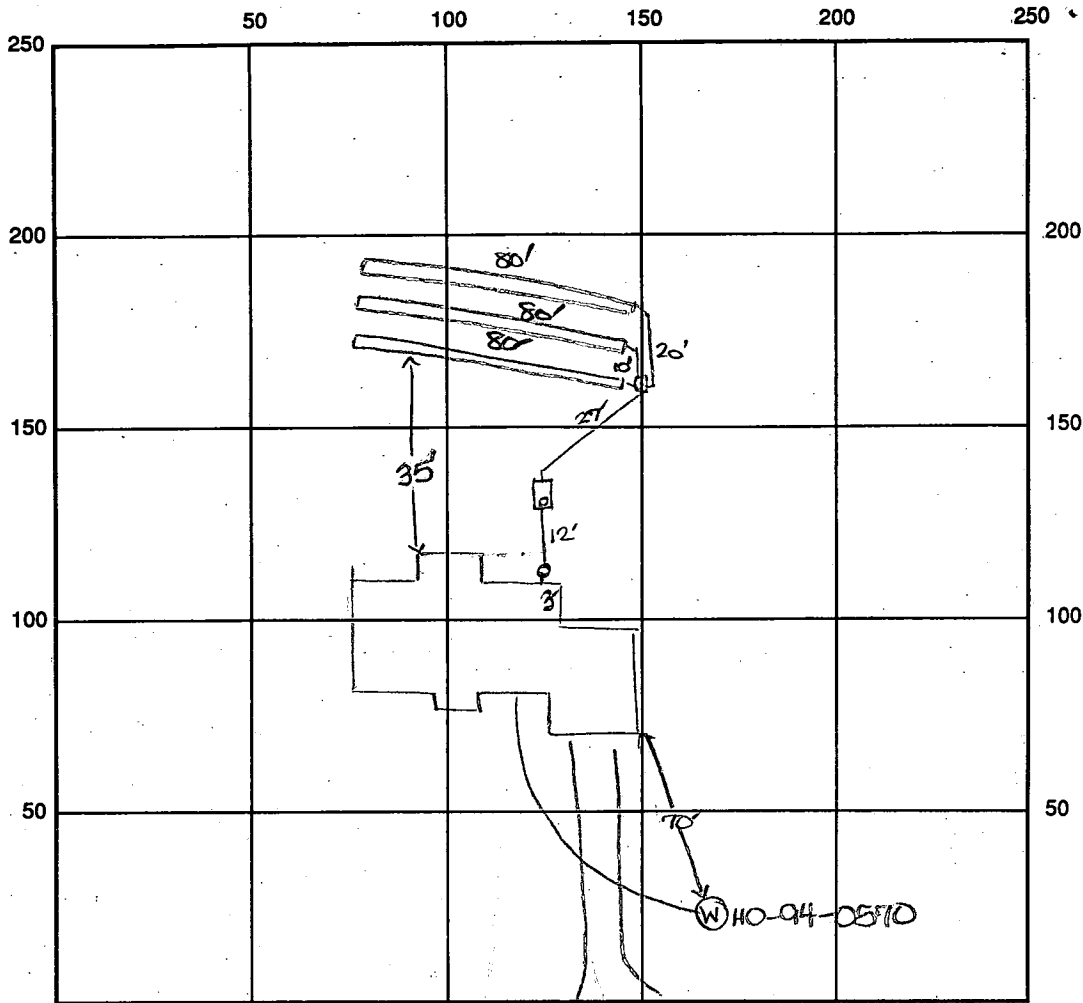
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON, CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

Serial # 67108675
Seven pvc

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

A 47204B



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

River Valley Chase

SEPTIC TANK LEVEL OK - 1250 gal

CLEANOUTS one on tank, one on house

DISTRIBUTION BOX LEVEL OK

DRAIN FIELD/TITLE DEPTH 5.5 FT.

TRENCH WIDTH 3 FT.

INLET DEPTH 3.5 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 720 SQ. FT.

REMARKS: 4-25-97 P.A. 4' below grade, casing 2' above grade, needs 2 piece

water tight cap, WPI ok to cover well line 10m

4-25-97 FINAL INSP - OK TO COVER ALL WORK. DKS

DATE SYSTEM APPROVED

4/25/97

INSPECTOR

Douglas Lee

APPLICATION

PERCOLATION TESTING

A 47204
P _____

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

DISTRICT _____

DATE 6/12/91

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 PERCONTEE, INC., Trinity Builders

ADDRESS 11900 TECH RD, SILVER SPRING MD. 20904 PHONE JOHN REUWER 740-2100 X291

PROSPECTIVE BUYER N/A

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION WEST FRIENDSHIP ESTATES III LOT NO 30 Lot 118 (7/12/91)

ROAD AND DESCRIPTION WEST IVORY RD. & RT 32, SOUTH OF RT. 70
(3156 Rivick Valley Chase)

TAX MAP 15 PARCEL # 42

SIZE OF LOT 3.00 AC. +/- 1 AC TYPE BLDG _____
(SINGLE FAMILY DWELLING OR COMMERCIAL)

BLDG. PERMIT SIGNED
DATE RETURNED 7/18/91
Serial # 42317-SFD
SFD 40mm

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.

John C. Reuwer
(SIGNATURE OF APPLICANT)
FOR PERCONTEE, INC.

APPROVED BY John C. Reuwer FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 7/12/91

HD-216

THIS IS NOT A PERMIT

SOIL PROFILE

0'

| | | | | |
|--|--|--|--|--|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

| DATE | TEST NO. | DEPTH | PRE-WET | | TEST - 1" DROP | | TIME |
|------|----------|-------|---------|------|----------------|------|------|
| | | | START | STOP | START | STOP | |
| | | | | | | | |
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| | | | | | | | |
| | | | | | | | |

REMARKS _____

TYPE OF SOIL _____

TESTED BY _____ ALSO PRESENT _____

211
 2203

8
 ONLINE 5

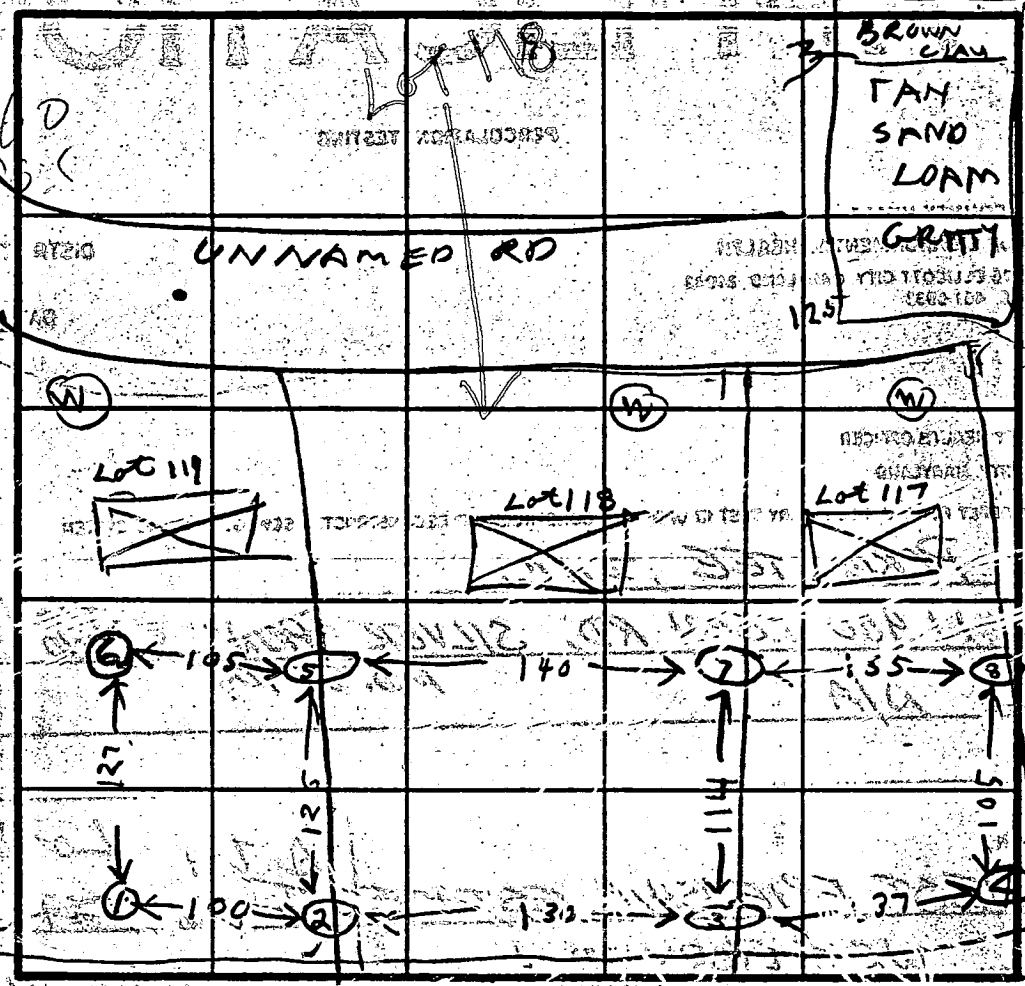
SOIL PROFILE

BROWN CLAY
 LIGHT BROWN SAND LOAM

CLAY
 BROWN SAND LOAM

CLAY
 BROWN SAND LOAM

BROWN CLAY
 TAN GRAY SAND LOAM



BROWN CLAY
 BROWN SAND LOAM
 BROWN CLAY
 BROWN SAND LOAM
 BROWN CLAY
 BROWN SAND LOAM

| DATE | TEST NO. | DEPTH | PRE-WET | | TEST - 1' DROP | | TIME | |
|---------|----------|-------|---------|---------|----------------|------|------|----------------|
| | | | START | STOP | START | STOP | | |
| 7/12/91 | 1V | 5 | 110 | 114 | 114 | 124 | 10 | LOT #114 |
| 7/12/91 | 2V | 10 | OK | | | | | |
| 7/12/91 | 3V | 4 | 20 | 140 | 140 | 208 | 2-3 | ONLINE #118 |
| | 4V | 9.5 | OK | SHALLOW | | | | #119 |
| | 5V | 4 | 131 | 133 | 133 | 135 | 2 | ONLINE #118 #1 |
| | 6V | 4.5 | 144 | 147 | 147 | 150 | 3 | #117 |
| | 7V | 10.5 | OK | | | | | |
| | 8V | 7.5 | 205 | 207 | 207 | 210 | 3 | ONLINE #119 |
| | 9V | 5 | 210 | 215 | 215 | 239 | 13 | #114 |
| | 10V | 10.5 | OK | | | | | #118 |
| | 1V | 11.5 | OK | | | | | #119 |
| | 2V | 6.5 | 228 | 233 | 232 | 240 | 7 | ONLINE #114 |
| | 3V | 3 | 228 | 230 | 230 | 232 | 2 | LOT #118 |
| | 4V | 11.5 | OK | | | | | #118 |
| | 8V | 12 | OK | | | | | #117 |

REMARKS NO SURVEYOR STAKED HOLES

TYPE OF SOIL

TESTED BY R. HODGES

ALSO PRESENT HUGH OKETTERMAN JR

C1 2751 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 A# 47205

ST/CO USE ONLY
 DATE RECEIVED

DATE WELL COMPLETED 05/16/96
 Depth of Well 227 245 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL"
 H0-94-0570

OWNER last name RIVER VALLEY CHASE first name TOWN WEST FRIENDSHIP
 STREET OR RFD SUBDIVISION WEST FRIENDSHIP EST. SECTION 1 LOT 28

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 SANDSTONE | 2 | 50 | ✓ |
| MICKA SANDSTONE | 50 | 55 | ✓ |
| MICKA SANDSTONE | 55 | 80 | ✓ |
| MICKA SANDSTONE | 80 | 85 | ✓ |
| MICKA | 85 | 245 | |

GROUTING RECORD yes no
 WELL HAS BEEN GROUTED (Y) (N)
 TYPE OF GROUTING MATERIAL (Circle one)
 CEMENT (CM) BENTONITE CLAY (BC)
 NO. OF BAGS 22 NO. OF POUNDS 2200
 GALLONS OF WATER 132
 DEPTH OF GROUT SEAL (to-nearest foot)
 from 0 ft. to 35 ft.

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) 60

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 (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 116
 DRILLERS LIC. NO. 116
 Ralph Wayne

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

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

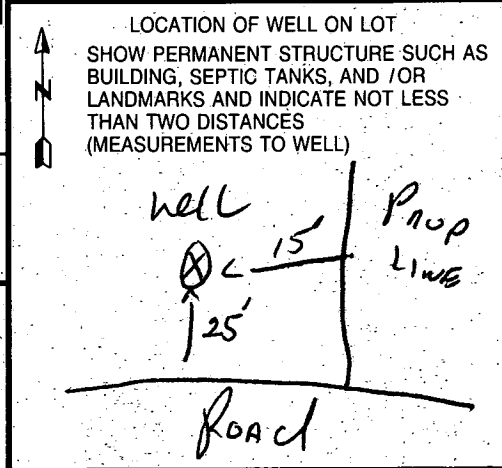
C2 DEPTH (nearest ft.)
 1 H0 58 245
 2
 3
 SLOT SIZE 1 2 3
 DIAMETER OF SCREEN (NEAREST INCH) 56 60

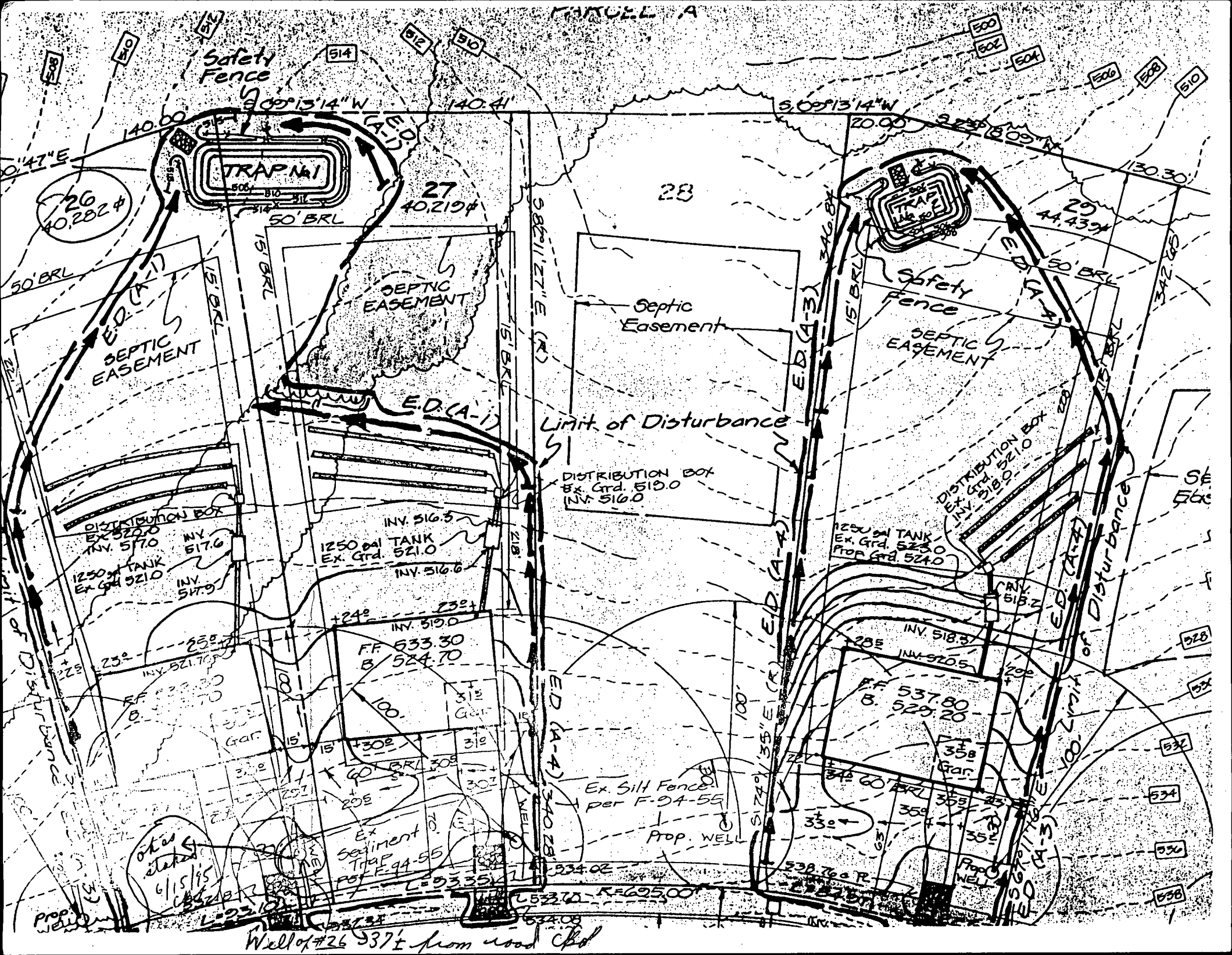
GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

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

C3 PUMPING TEST
 HOURS PUMPED (nearest hour) 3
 PUMPING RATE (gal. per min.) 6
 METHOD USED TO MEASURE PUMPING RATE Bucket
 WATER LEVEL (distance from land surface) BEFORE PUMPING 26 ft. WHEN PUMPING 100 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) 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 (-) below 2 (nearest foot)





Safety Fence

TRAP N#1

SEPTIC EASEMENT

TRAP N#2

Safety Fence

SEPTIC EASEMENT

Limit of Disturbance

DISTRIBUTION BOX
Ex. Grd. 519.0
Inv. 516.0

DISTRIBUTION BOX
Ex. Grd. 521.0
Inv. 518.0

DISTRIBUTION BOX
Ex. Grd. 522.0
Inv. 517.0

1250 gal TANK
Ex. Grd. 521.0
Inv. 516.6

1250 gal TANK
Ex. Grd. 523.0
Prop. Grd. 524.0

FF 633.30
B. 524.70

FF 537.80
B. 529.20

Ex. Silt Fence
per F-94-55

Prop. WELL

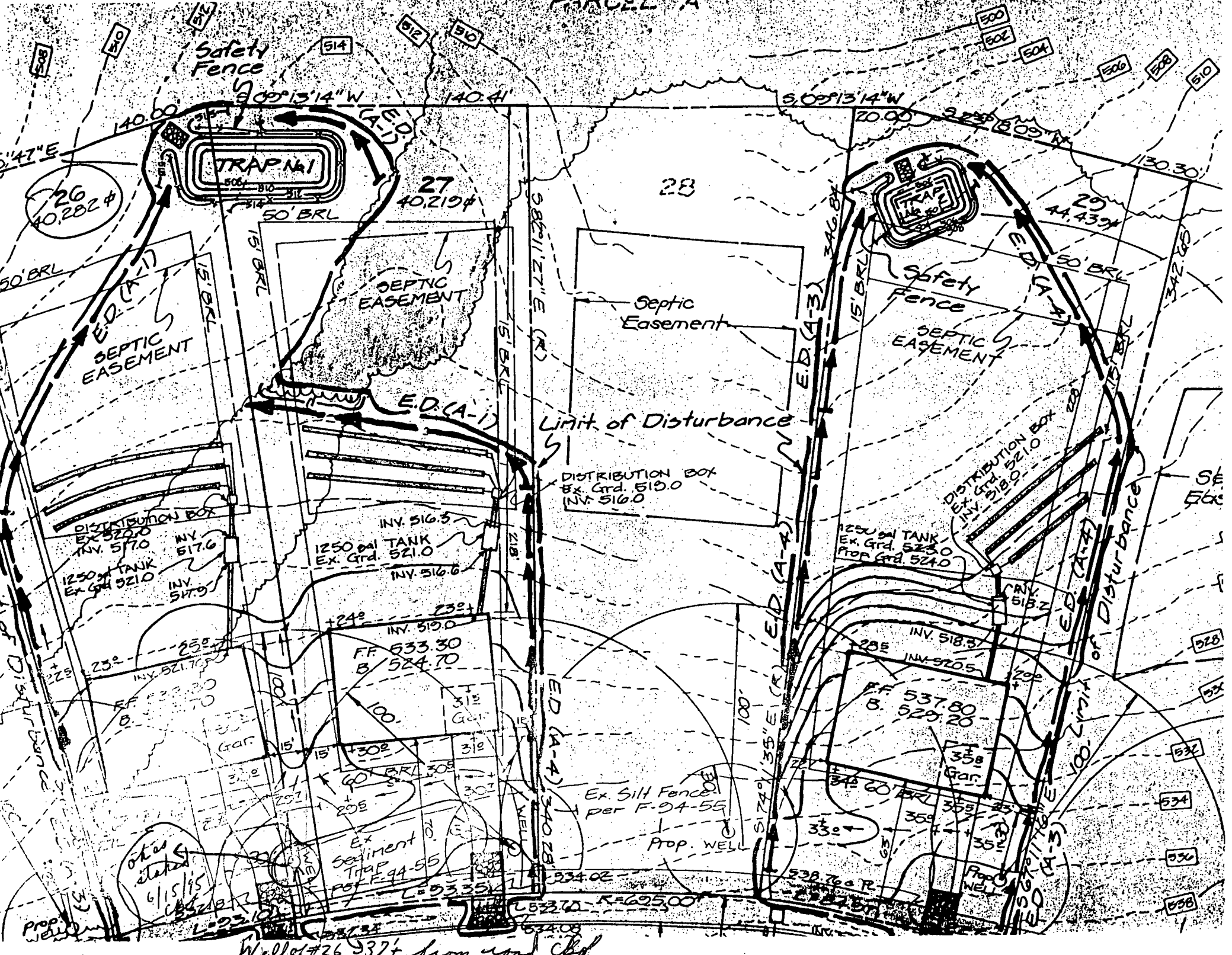
Prop. WELL

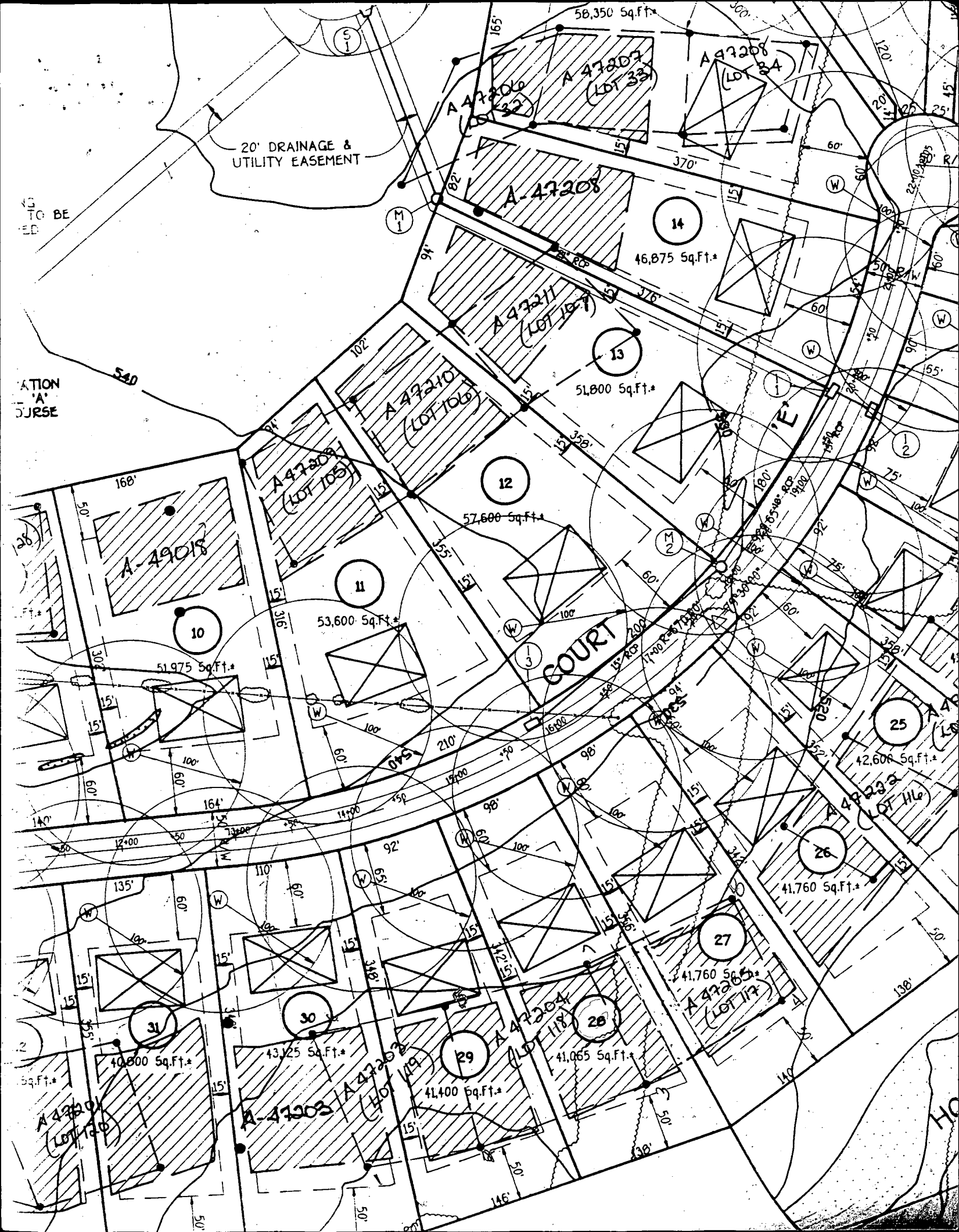
ok as stated
6/15/95
C/SZAB

Well of #26 937 1/2 from road c/d

L=5335.47 R=695.00

L=5387.66 R=695.00





20' DRAINAGE & UTILITY EASEMENT

TO BE
ED

ATION
URSE

A-49018
51,975 Sq.Ft.
10

A-47208
(LOT 103)
53,600 Sq.Ft.
11

A-47210
(LOT 106)
57,600 Sq.Ft.
12

A-47208
46,875 Sq.Ft.
14

A-47211
(LOT 107)
51,800 Sq.Ft.
13

COURT

E

A-47232
42,600 Sq.Ft.
25

A-47232a
(LOT 116)
41,760 Sq.Ft.
26

A-47204
(LOT 117)
41,760 Sq.Ft.
27

A-47204
(LOT 118)
41,065 Sq.Ft.
28

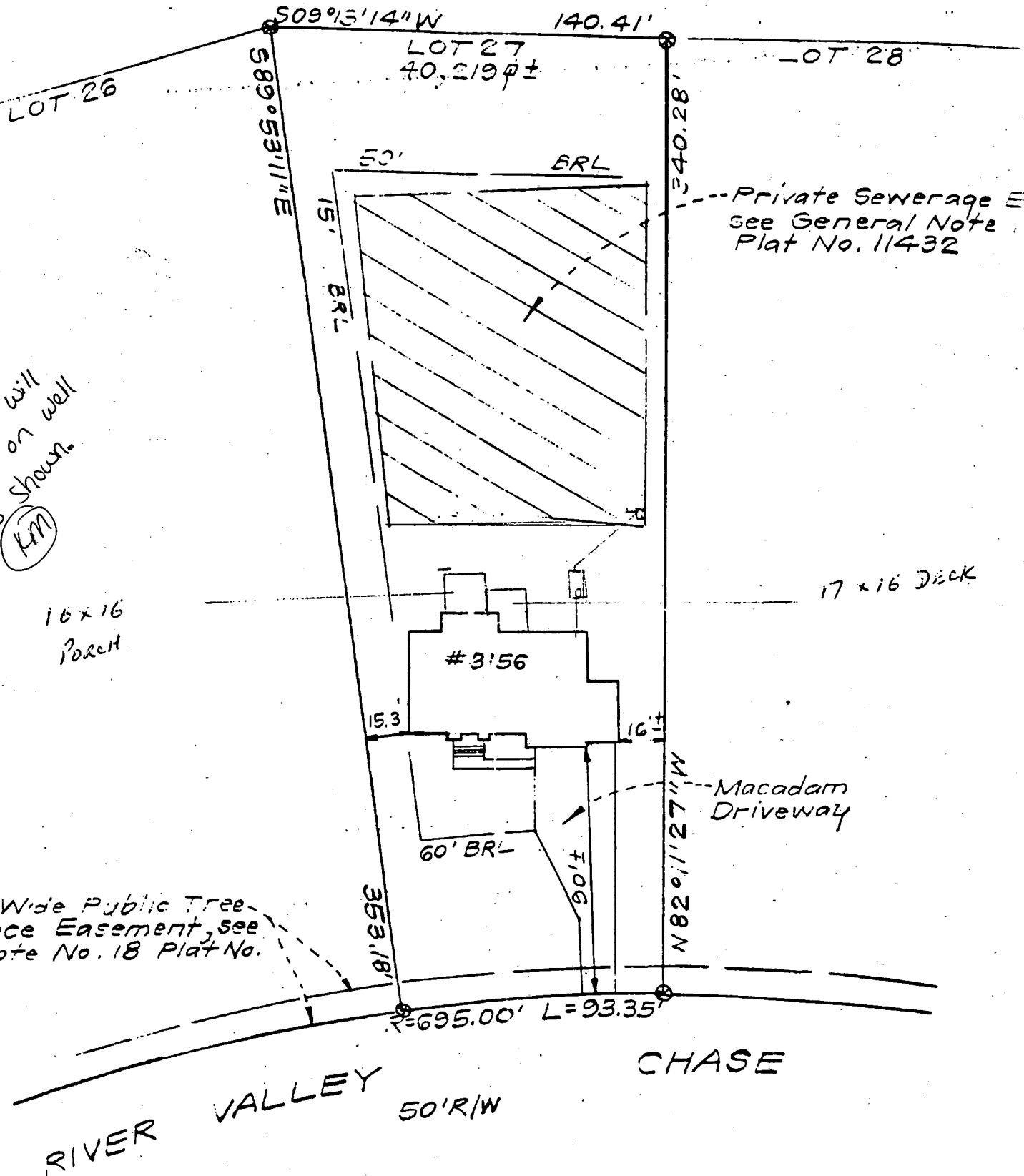
A-47203
(LOT 119)
41,400 Sq.Ft.
29

A-47203
(LOT 120)
43,125 Sq.Ft.
30

A-47201
(LOT 121)
40,800 Sq.Ft.
31

HO

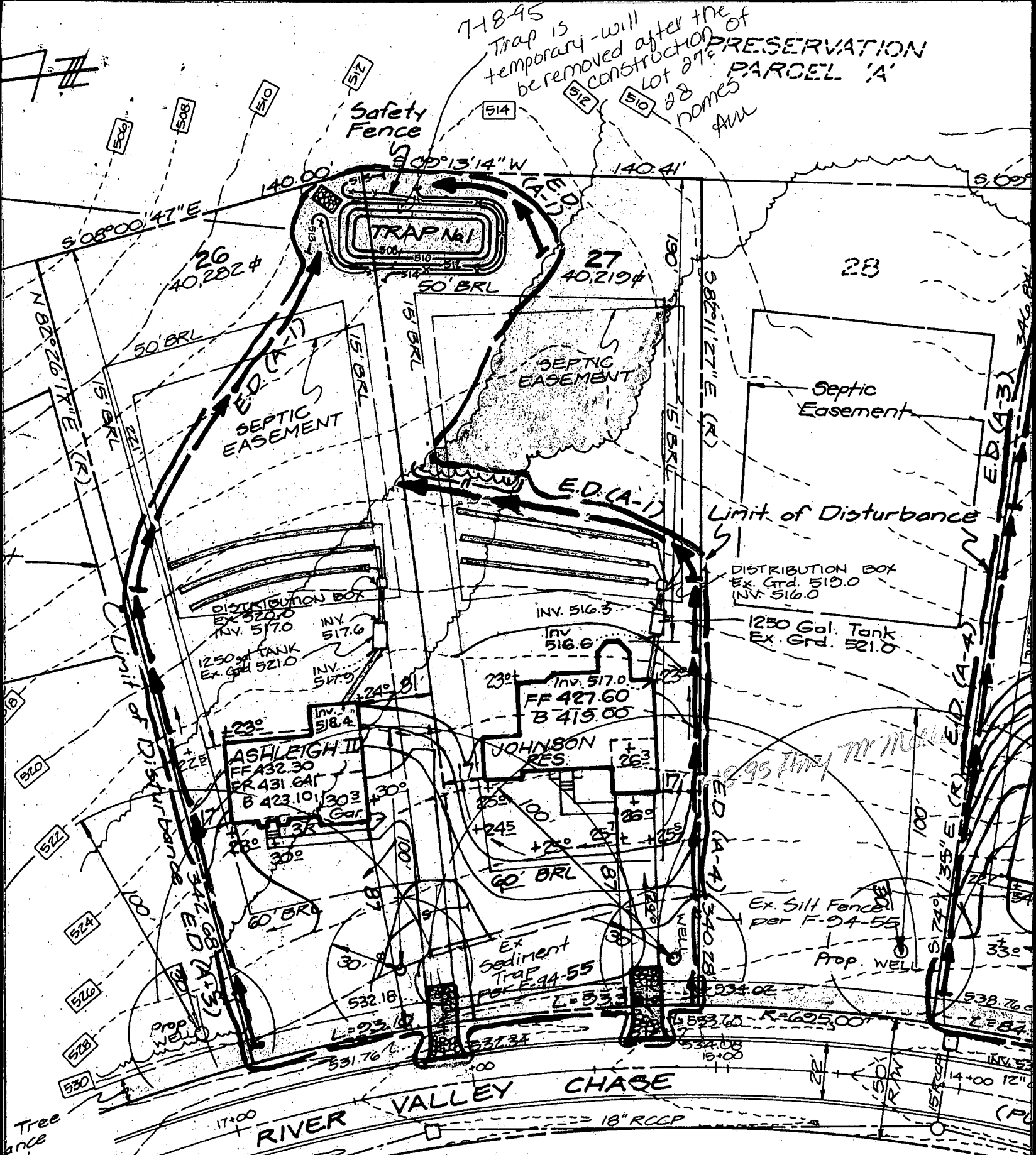
OPEN SPACE PARCEL 'A'



Private Sewerage E
see General Note
Plat No. 11432

11/7/97
proposed porch will
have no impact on well
and septic as shown.
KM

NOTE: 10' Wide Public Tree-
Maintenance Easement, see
General Note No. 18 Plat No.
432.

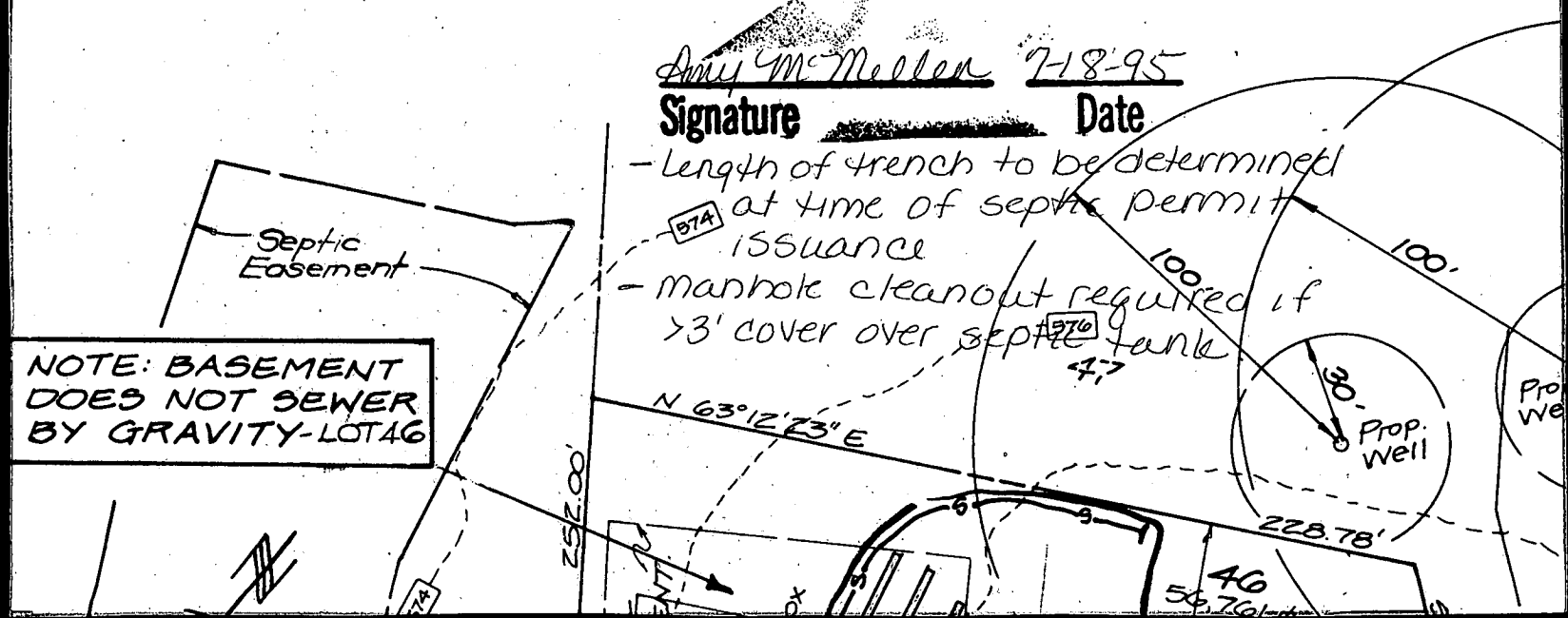


**Approved Septic System Plan
Howard County Health Department**

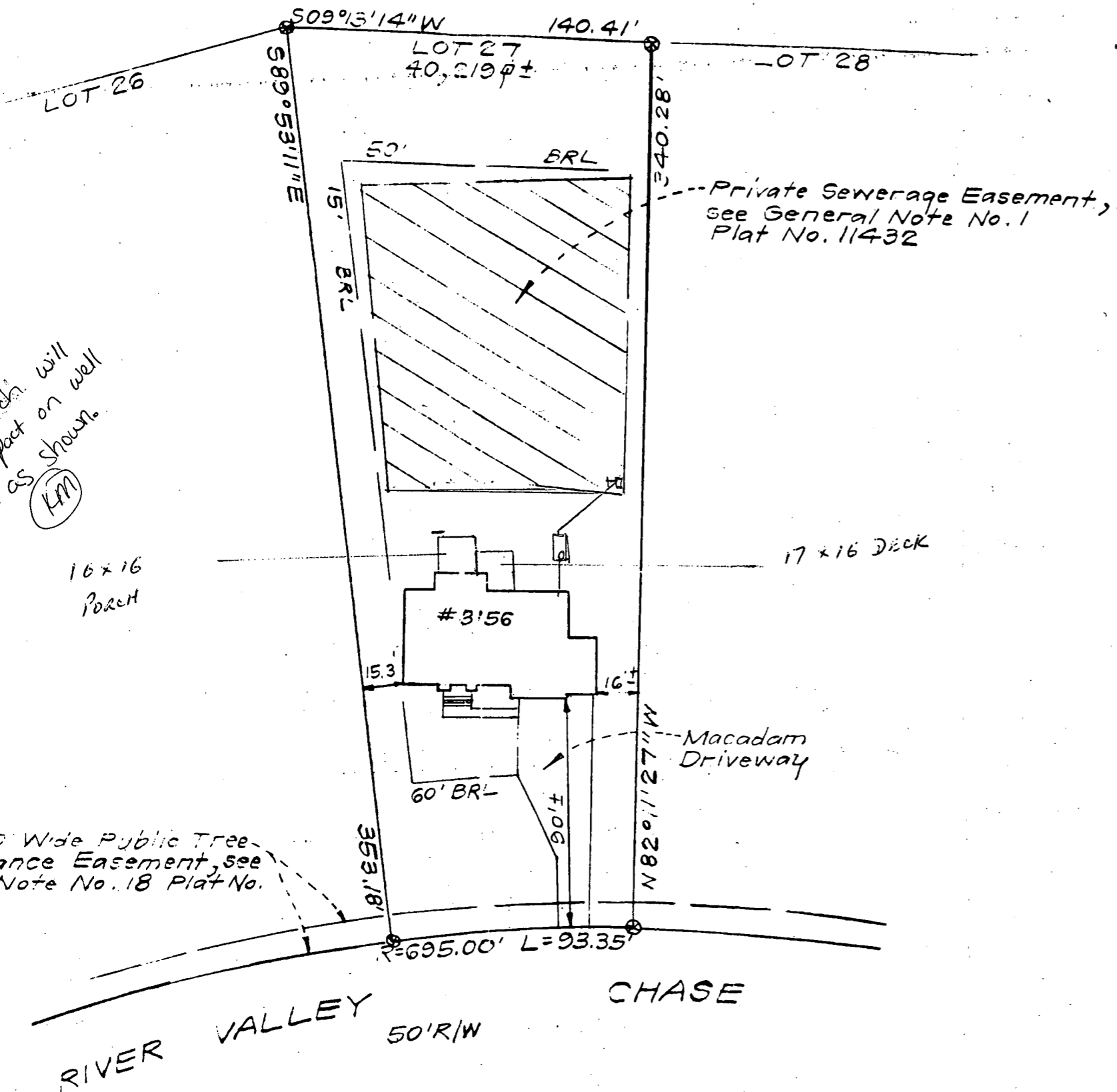
Amy McMiller 7-18-95
Signature **Date**

- Length of trench to be determined at time of septic permit issuance
- manhole cleanout required if >3' cover over septic tank

NOTE: BASEMENT DOES NOT SEWER BY GRAVITY-LOT46



OPEN SPACE PARCEL 'A'



11/7/97
Proposed porch will
have no impact on well
and septic as shown.
(KM)

16 x 16
Porch

NOTE: 10' Wide Public Tree
Maintenance Easement, see
General Note No. 18 Plat No.
11432.

