

11/22/96
CO. - open trench
2100 (later is better than early)
11/25/96
ASAP C.O.
1/17/97
B6 Fx 10/00

Tax ID - 05-414687

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

313-2640

INDEXED

P 57560

A 43079

DISTRICT 5th

DATE 11/19/96

DATE SYSTEM APPROVED 1/17/97

INSPECTOR M. Rippin

Arnold Backhoe & Septic Services IS PERMITTED TO INSTALL X ALTER

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

SUBDIVISION Brierly LOT 8 ROAD 13841 Russell Zepp Drive

PROPERTY OWNER Lesley and Deborah Barker

ADDRESS

SEPTIC TANK CAPACITY 1500 GALLONS

NUMBER OF BEDROOMS 4

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 280

*Need 1500 gal. top seamed 2 compartment septic tank and pump system. Use a 1500 gal. pump chamber or submit plan for pump chamber detail showing on/off alarm float settings and storage capacity above high water alarm.

Revision OK 11/28/96

TRENCHES - Trench to be 2 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 7 feet below original grade. Effective area begins at 4 feet below original grade. 3 feet of stone below distribution pipe.

LOCATION - Beginning from the intersection of the 191.91' lot line and 272.81' lot line, begin trenches 70' up the 272.81' lot line and -50' 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 11/19/96 DS

ORIGINAL PERMIT SIGNED

AND RETURNED

5-28-98

Serial # 112037

detached garden shed

PLANS APPROVED BY Amy McMillen

DATE 7/25/96

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

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

COG. PERMIT SIGNED

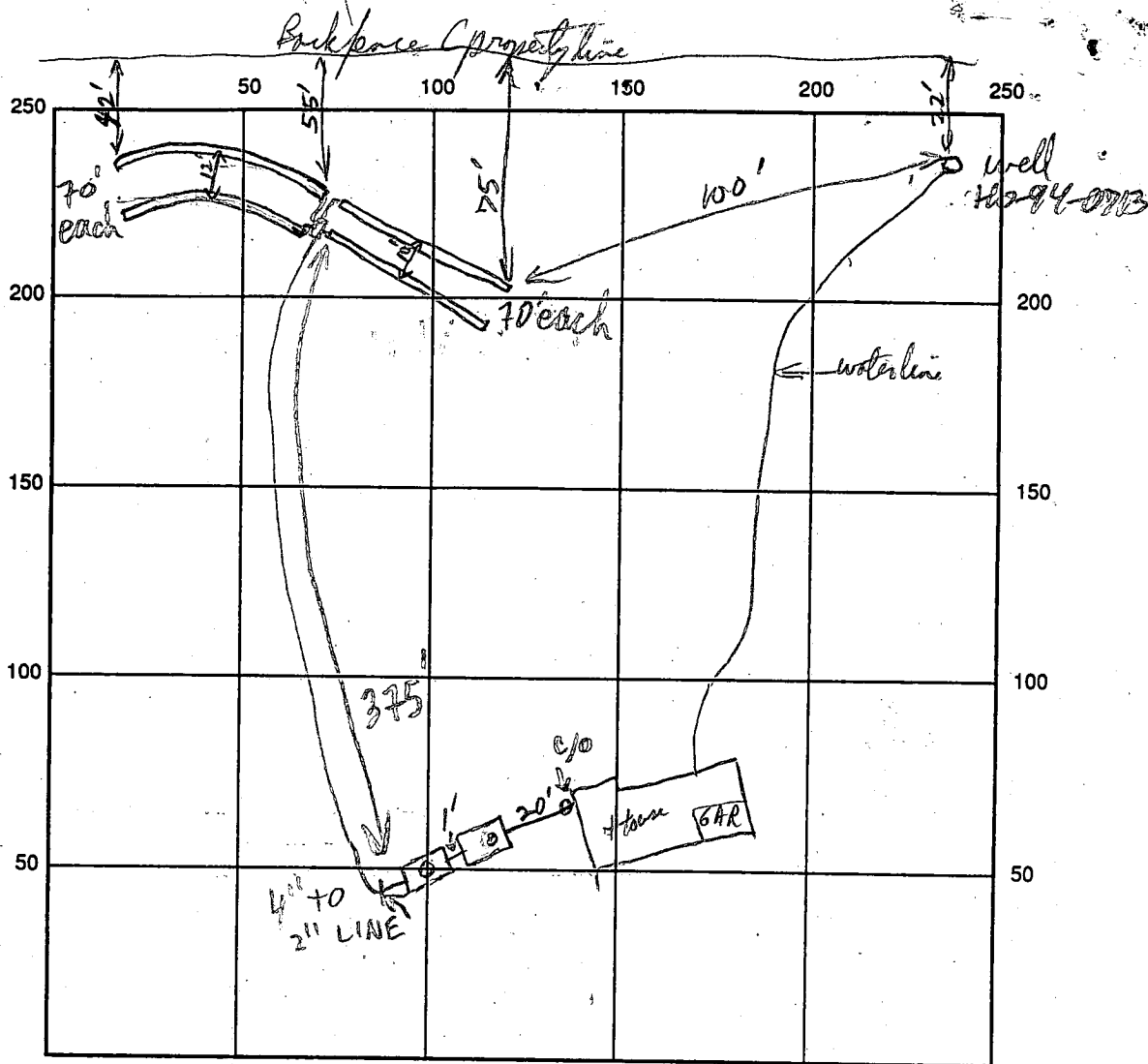
AND RETURNED

12/6/96

Serial # B00103302

1-500 gallon propane tank undgd.

A 43079



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Pump Chamber — 1500 gal Top Seam
 SEPTIC TANK LEVEL 1600 gal Top Seam and 2 chambers
 DISTRIBUTION BOX LEVEL OK BAFFLE IN
 DRAIN FIELD/TITLE DEPTH 7 FT. TRENCH WIDTH 2 FT. INLET DEPTH 4 FT.
 EFFECTIVE GRAVEL DEPTH 3 FT. TOTAL LENGTH 4 @ 70 FT.
 NUMBER OF TRENCHES 4 ONE SIDEWALL/BOTTOM AREA 4 @ 210 SQ. FT.
 DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.
 ABSORBENT AREA 840 SQ. FT.

REMARKS: 10/31/96 PER PHONE CONVO. OK TO COME OUT OF HOUSE AT 2 LOCATIONS AND
 "Y" BEFORE SEPTIC TANK AS SHOWN ON ATTACHED DRAWING ALCA First 14 open Trenches
 introduced red mica from orange - Red Brown Sandy loam beginning at 3-4 ft depth - OK to ground fill as
 per spec's. Tank set but not yet connected - House Connection still OK. RP 11/22/96 11/25/96 TRENCHES
 & TANKS OK TO COVER: INSTALL C/O & MH & CALL FOR PUMP INSP MR
 11/17/97 PUMP OPERATION OK MRL
 11/22/97 Pumps checked and well house OK at 4' RP 11/22/97

DATE SYSTEM APPROVED

INSPECTOR

M. Ripkin

APPLICATION

PERCOLATION TESTING

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

A 43079

P _____

DISTRICT 572

DATE 9-20-88

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

5-8-87

Retest

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

PROPERTY OWNER RUSSELL ZEPP LESLEY & DEBORAH BARKER

ADDRESS 13790 HIGHLAND RD PHONE 854-2797

PROSPECTIVE BUYER HENRY L. BLEVINS

ADDRESS 3600 WATERSVILLE RD PHONE 795-2337
MT. AIRY, MD. 21771

PROPERTY LOCATION: ZEPP SUBDIVISION
SUBDIVISION LOT NO. 8 SFD-4Buns.

ROAD AND DESCRIPTION HIGHLAND ROAD HOWARD CO
ZIP: 21029 (13841 RUSSELL ZEPP DRIVE)

TAX MAP 34 PARCEL # 7

SIZE OF LOT 3.70 AC ± TYPE BLDG. SINGLE FAMILY
(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 OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 5-8-87 Regue Satisfactory - hold for Rpt. 8/20

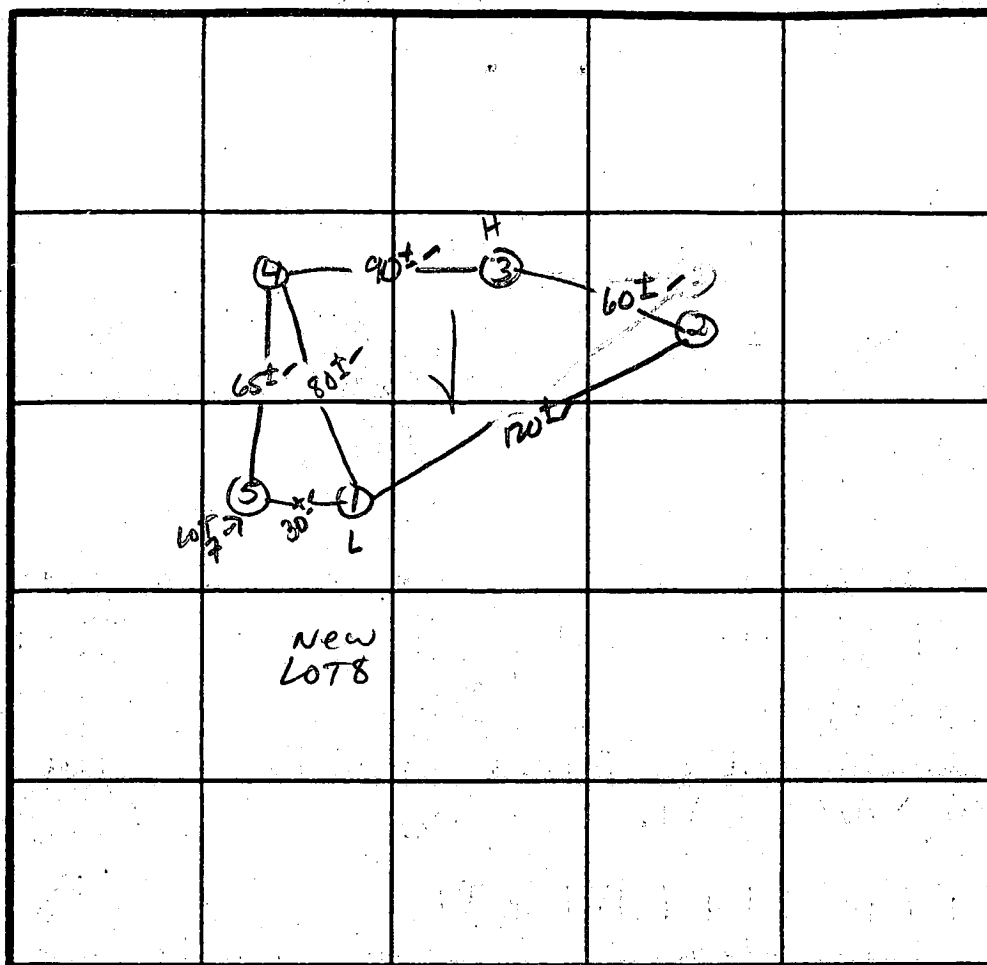
THIS IS NOT A PERMIT

SOIL PROFILE

6" AD
Yellow Red
Clay Lorn
10-15%
Flap

4- Red
Brown
Silk foam
Slightly
Sturdy
10-20%
Ramp

12.5



7 20 min

210 ☒

INLET 4
BOTTOM 7

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

1-Highland Rd.

[illegible]

REMARKS Holes Diff Than Plat.

TYPE OF SOIL Chemical mason

TESTED BY S. Muel ALSO PRESENT _____

APPLICATION

PERCOLATION TESTING

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

A 43079
P _____
DISTRICT 5TH
DATE 9-20-88

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 RUSSELL ZEPP

ADDRESS 13790 HIGHLAND RD PHONE 854-2797

PROSPECTIVE BUYER HENRY L. BLEVINS

ADDRESS 3600 WATERSVILLE RD PHONE 795-2337
MT. AIRY, MD. 21771

PROPERTY LOCATION:

SUBDIVISION ZEPP SUBDIVISION LOT NO. 8

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ZIP: 21029

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[Signature]
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING perc UNSAT, hold pending review

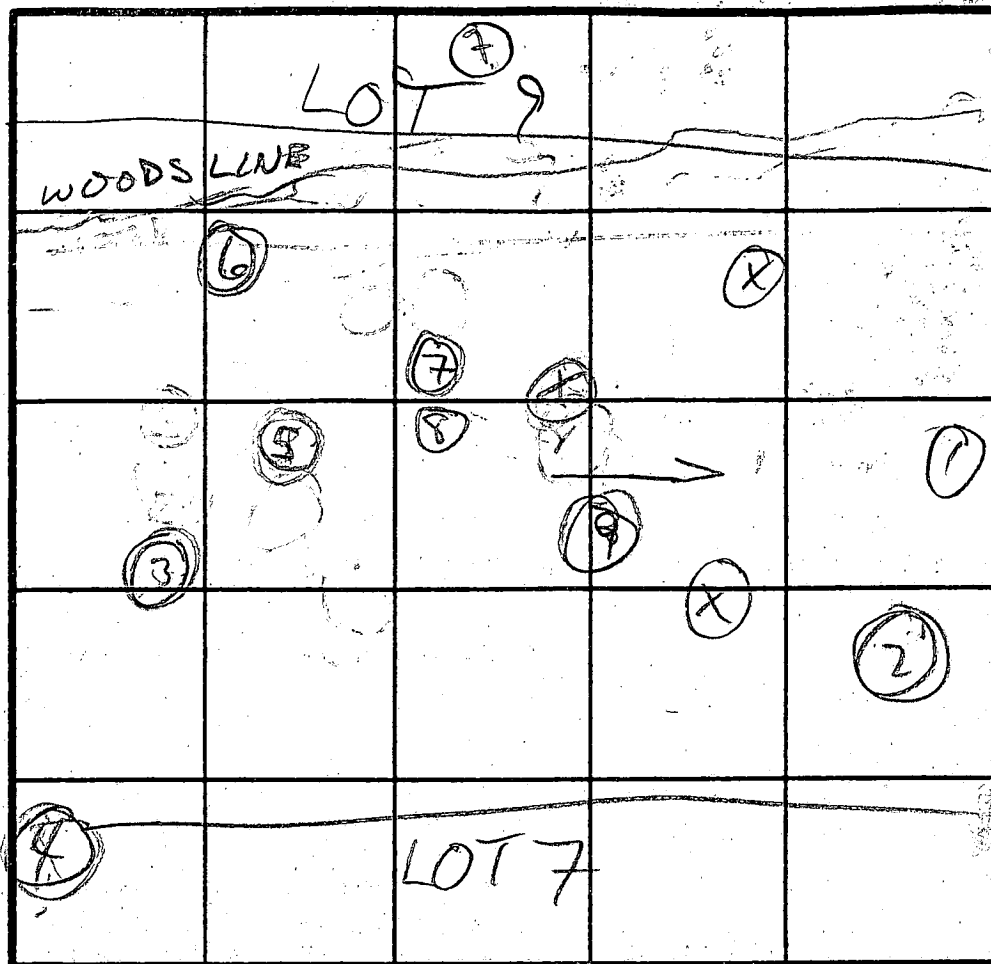
HD-216

THIS IS NOT A PERMIT

LOT 8
A43079

SOIL PROFILE

6" 0
topsoil
deep
orange
clay
toom
w/some
lt. grey
sand
at bottom
10% frags
no mica



(X) = STAKED
BUT NOT
DUG

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3/2/89	1	9					
11	(2)	9	clay to bottom w/some sand & large frags no mica				
	(3)	8½	clay to bottom 10% frags no mica				
	(4)	9½	clay to bottom <5% frags no mica				
	(5)	8½	pink/org./yel clay to bottom 5% frags no mica				
	(6)	9	org/pink clay to bottom 10% frags no mica				
3/10/89	(7)	8½	org/yel/bw clay to bottom 10% frags no mica				
11	8	6½	12:31 NOT COMPLETED				
	(9)		WATER AT 7½				

REMARKS HOLE (1) PER PLAT, OTHERS NOT PER PLAT
INSUF AREA REMAINING FOR ADD'L TESTING

TYPE OF SOIL

TESTED BY

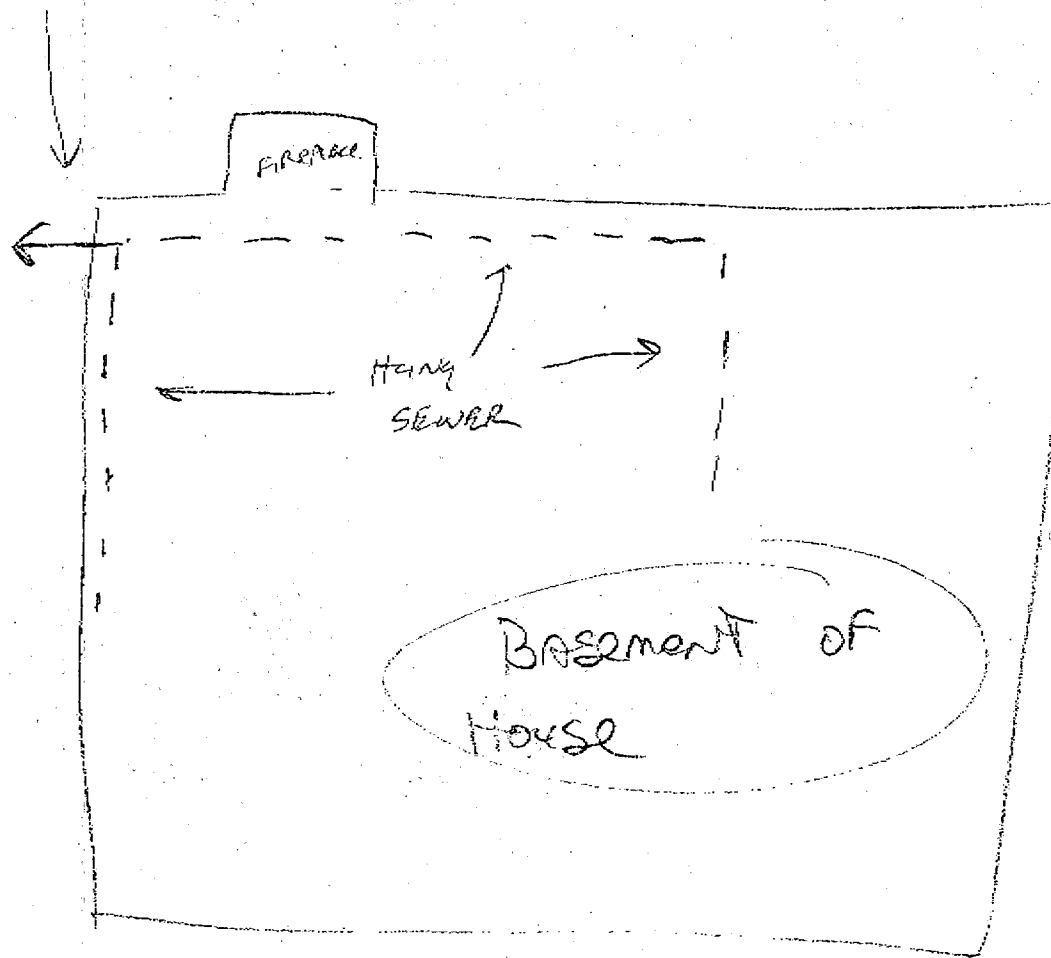
M. Rifkin

ALSO PRESENT

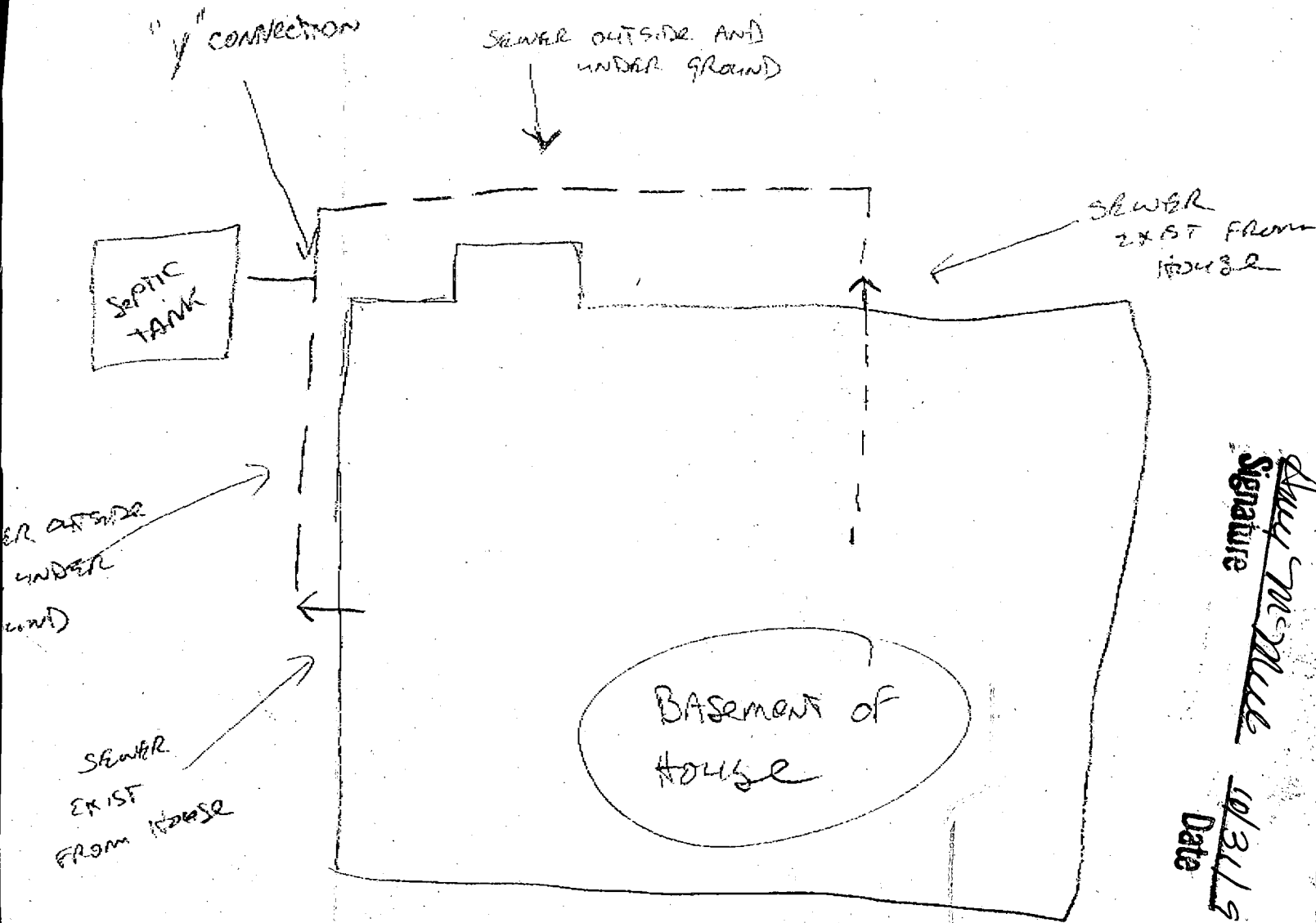
D. Hopkins

CURRENT CONDITIONS

EXIST FROM
HOUSE TO SEPTIC TANK

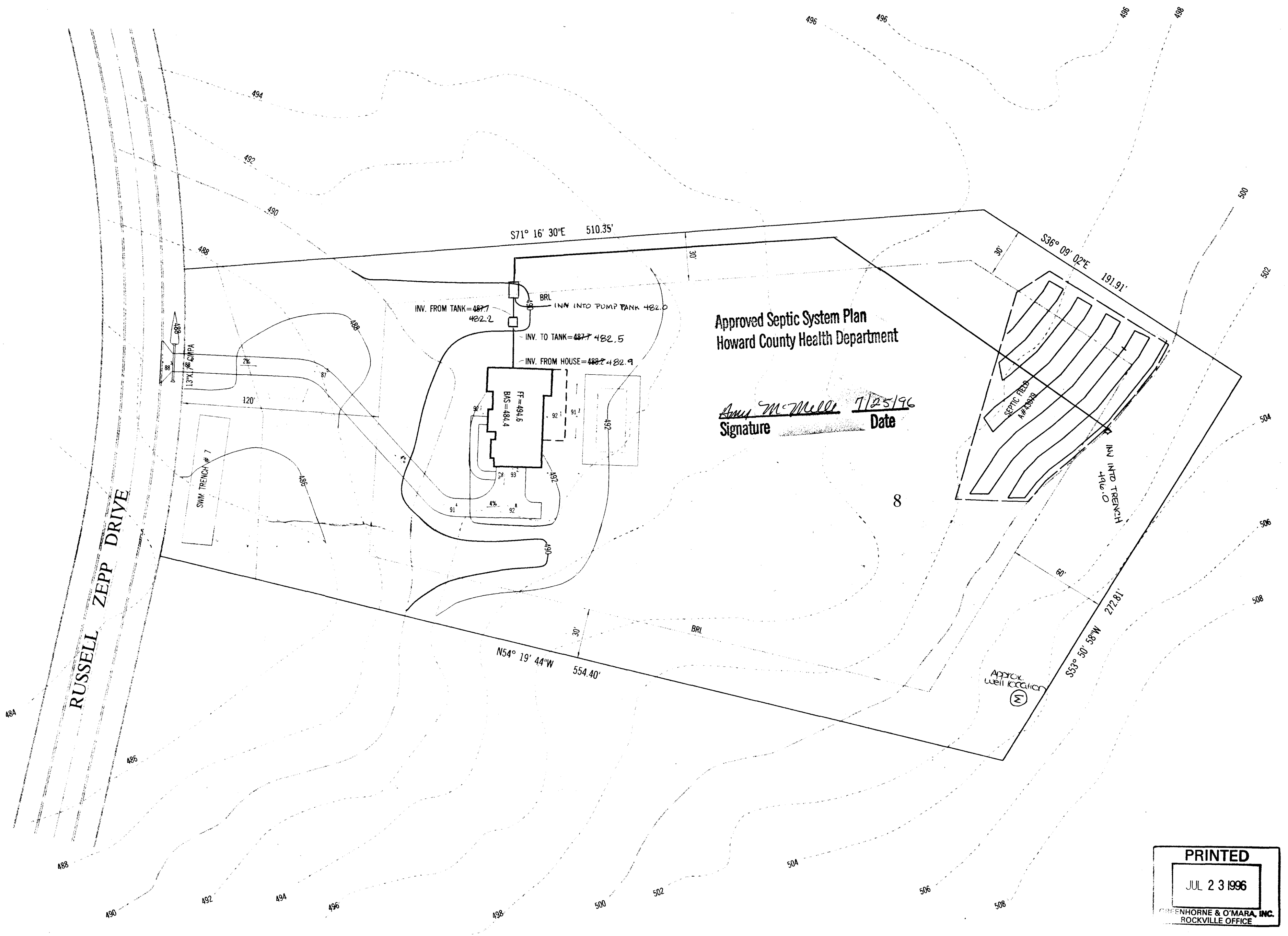


DESIRED SET UP



REVISED
Approved Septic System Plan
Howard County Health Department

Signature Drew McMill
Date 10/31/96



Approved Septic System Plan
Howard County Health Department

Ami M. McElrath 7/25/96
Signature Date

PRINTED
JUL 23 1996
GREENHORNE & O'MARA, INC.
ROCKVILLE OFFICE

OWNER/DEVELOPER:
INVERNESS BUILDERS, INC.
P.O. BOX 3755
FREDERICK, MARYLAND 21705
PHONE: (301) 696-1161

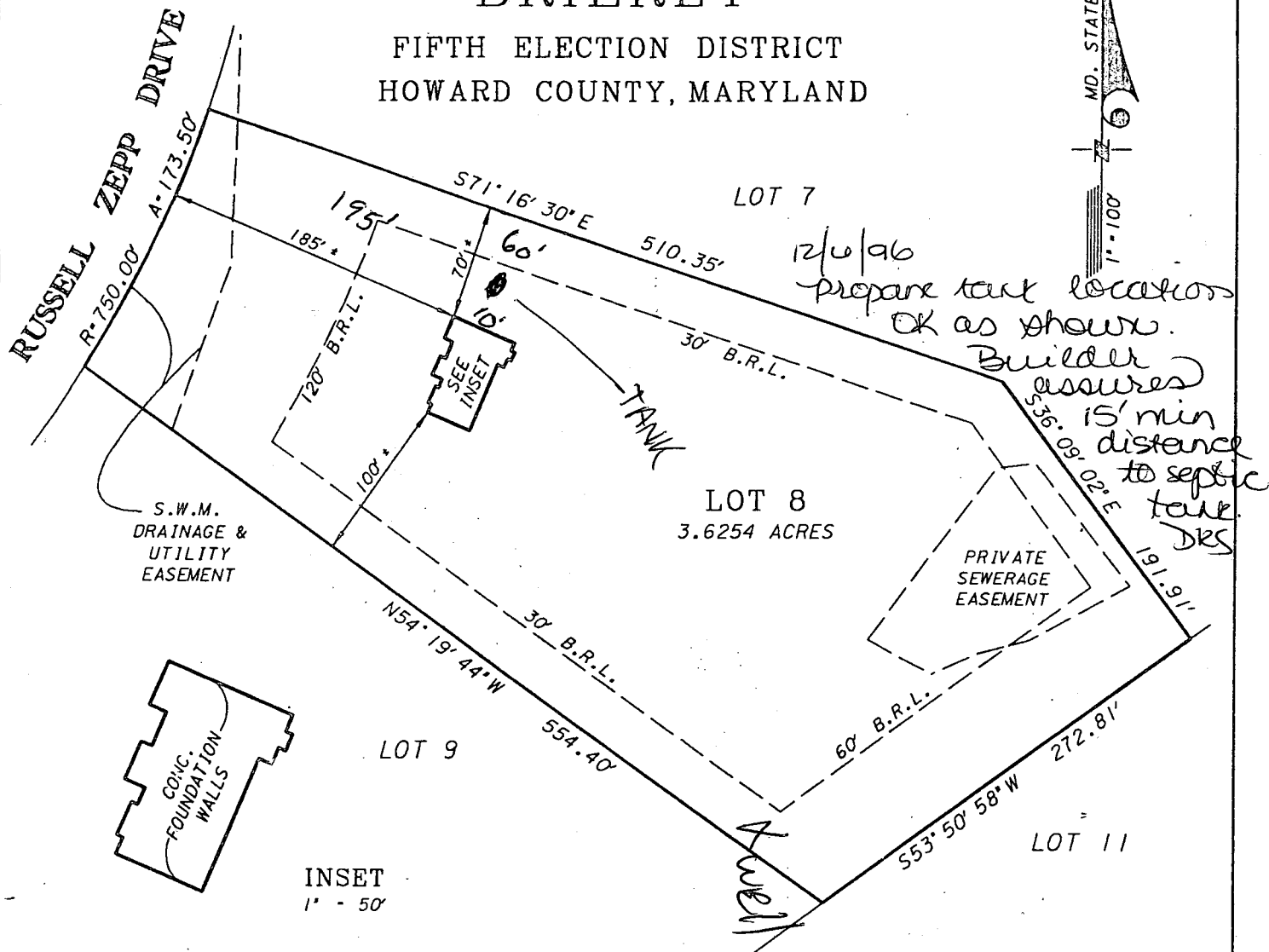
SITE PLAN
BRIERLY
LOT 8
TAX MAP No. 34 PARCEL No. 7
FIFTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

DESIGN	SCALE 1" = 40'	
DRAWN	1 OF 1	
CHECKED	SHEET	
DATE	devi-ne • PROJ No.	FILE No.

AS-CONSTRUCTED SURVEY
#13841 RUSSELL ZEPP DRIVE
LOT 8 SECTION 1

BRIERLY

FIFTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND



I, MARK A. YEAGER, MARYLAND REGISTERED PROPERTY LINE SURVEYOR NO. 604, HEREBY STATE THAT THIS SURVEY HAS BEEN PERFORMED IN ACCORDANCE WITH THE MINIMUM STANDARDS OF PRACTICE AS ADOPTED BY THE MARYLAND BOARD FOR PROFESSIONAL LAND SURVEYORS. THIS PROPERTY DOES NOT LIE WITHIN THE LIMITS OF THE 100-YEAR FLOOD PLAIN AS DELINEATED ON THE FLOOD INSURANCE RATE MAPS PREPARED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY.

NOT VALID WITHOUT

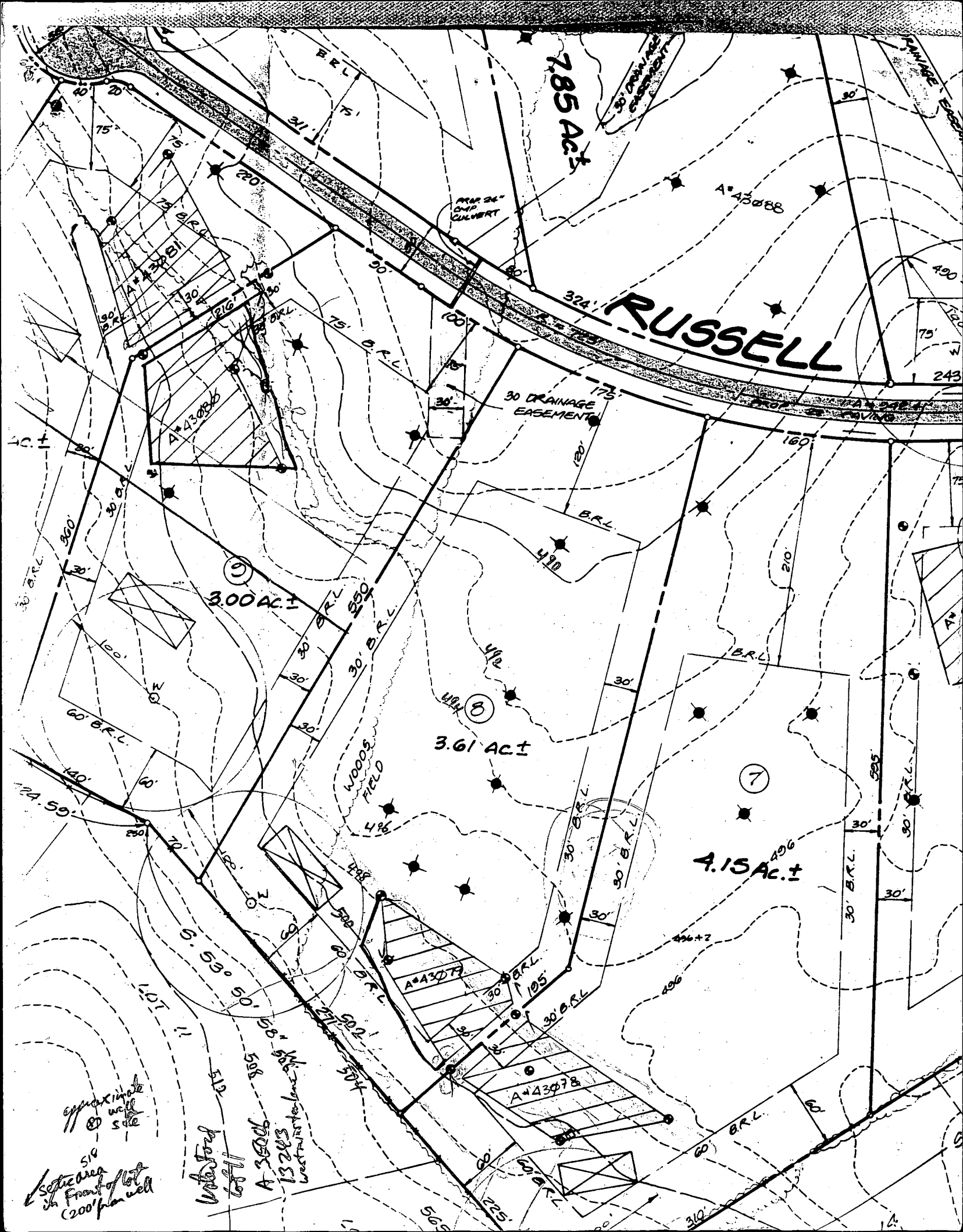
Mark A. Yeager

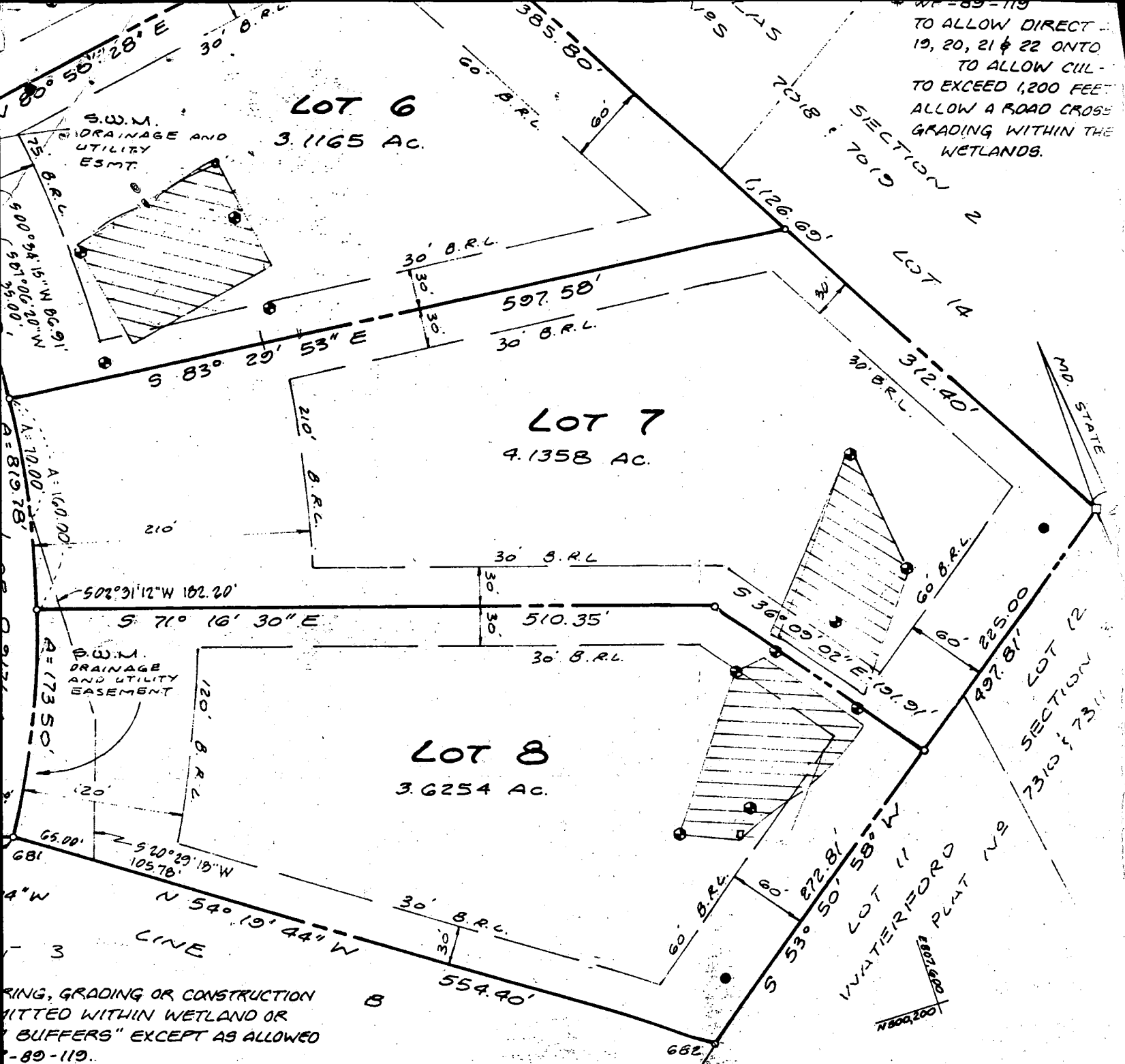
AN ORIGINAL SIGNATURE
AND EMBOSSED SEAL



GREENHORNE & O'MARA, INC.
15020 SHADY GROVE ROAD, # 400
ROCKVILLE, MARYLAND 20850
(301) 738-3890

REFERENCE	(C) LATEST DATE HEREON	SCALE: 1" = 100'	DRAWN / CHECK
		DATE OF SURVEY 08-27-96	CSA / <i>[Signature]</i>
PLAT NO. 10003	BLDG PERMIT NO.:		



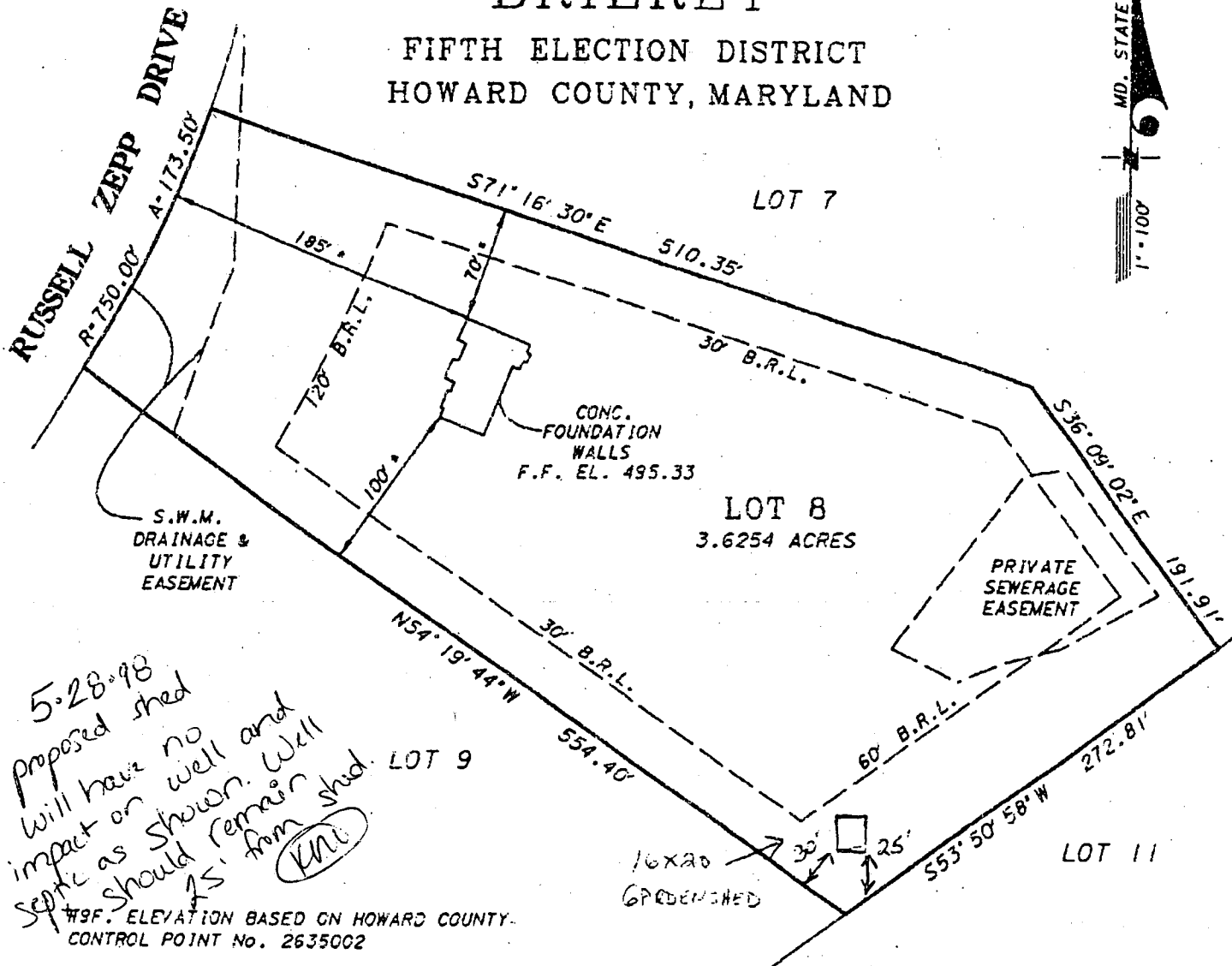


AS-CONSTRUCTED SURVEY
#13841 RUSSELL ZEPP DRIVE

LOT 8 SECTION 1

BRIERLY

FIFTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND



I, THOMAS L. McELROY, MARYLAND REGISTERED PROPERTY LINE SURVEYOR NO. 486, HEREBY STATE THAT THIS SURVEY HAS BEEN PERFORMED IN ACCORDANCE WITH THE MINIMUM STANDARDS OF PRACTICE AS ADOPTED BY THE MARYLAND BOARD FOR PROFESSIONAL LAND SURVEYORS. THIS PROPERTY DOES NOT LIE WITHIN THE LIMITS OF THE 100-YEAR FLOOD PLAIN AS DELINEATED ON THE FLOOD INSURANCE RATE MAPS PREPARED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY.



GREENHORNE & O'MARA, INC.
15020 SHADY GROVE ROAD, # 400
ROCKVILLE, MARYLAND 20850
(301) 738-3890

REFERENCE	DATE	SCALE	DRAWN / CHECK
PLAT BOOK #	© LATEST DATE HEREON	1" = 100'	
PLAT NO. #	BLDG PERMIT NO:	DATE OF SURVEY 08-27-96	CSA /
10003			

C14151

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
NUMBERA43079

ST/CO USE ONLY
DATE RECEIVED

DATE WELL COMPLETED
032796

Depth of Well
400
(TO NEAREST FOOT)

PERMIT NO.
FROM "PERMIT TO DRILL WELL"
A0-94-0713

OWNERBar.ker
STREET OR RFDRussell Zepp Dr
SUBDIVISIONBrierly
TOWNDayton
SECTIONLOT8

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	
red clay	2	6	
Sand Stone	6	110	
Mica	110	205	
Sand Stone	205	206	✓
Mica	206	340	
Sand Stone	340	355	✓
Mica	355	400	

GROUTING RECORD

WELL HAS BEEN GROUTED
(Circle Appropriate Box)

TYPE OF GROUTING MATERIAL (Circle one)

CEMENTCMBENTONITE CLAYBC

NO. OF BAGS30NO. OF POUNDS3000

GALLONS OF WATER150

DEPTH OF GROUT SEAL (to nearest foot)

from0ft. to5.3ft.

CASING RECORD

casing
types
insert
appropriate
code
below

STEELSTCONCRETECO
PLASTICPLOTHEROT

MAIN
CASING
TYPE

Nominal diameter
top (main) casing
(nearest inch)

Total depth
of main casing
(nearest foot)

5.36420

OTHER CASING (if used)

diameter inch

depth (feet)
from to

SCREEN RECORD

screen type
or open hole
insert
appropriate
code
below

STEELSTBRASSBRONZE
PLASTICPLOTHEROT

DEPTH (nearest ft.)

40478400

NUMBER OF UNSUCCESSFUL WELLS:

WELL HYDROFRACTURED

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.40

DRILLERS SIGNATURE
(MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO.MWD 501

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

SCREEN RECORD

screen type
or open hole
insert
appropriate
code
below

STEELSTBRASSBRONZE
PLASTICPLOTHEROT

DEPTH (nearest ft.)

40478400

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.)8

METHOD USED TO
MEASURE PUMPING RATEBucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING31ft.

WHEN PUMPING110ft.

TYPE OF PUMP USED (for test)

A airP pistonT turbine
C centrifugalR rotaryO other (describe below)
J jetS submersible

PUMP INSTALLED

DRILLER WILL INSTALL PUMP (CIRCLE) (YES or 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)

4 above
below

LAND SURFACE
(nearest
foot)

2

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)

150' well
200'

Russell ZEPP DR.