

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 56507

A 42053

DISTRICT 5th

DATE 3-19-96

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~461-9933~~ 313-2640

DATE SYSTEM APPROVED 4/3/96

INSPECTOR Am

# INDEXED

South Carroll Backhoe, Inc. IS PERMITTED TO INSTALL X ALTER

ADDRESS 4410 Salem Bottom Road, Westminster, MD 21157 PHONE 875-4197

SUBDIVISION Rutherford LOT 8 ROAD 4543 Rutherford Way

PROPERTY OWNER Nantucket Island Homes / Steven M. Scarbe /

ADDRESS KARLA PINATO

SEPTIC TANK CAPACITY 1250 GALLONS \*Pumped system may be required, see letter of 11/30/95\*

NUMBER OF BEDROOMS 4

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 280

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 the distribution box 80 feet down the 505 lot line from the left rear corner, and 35 feet off that same lot line, as seen from pipestem off Rutherford Way. Run trenches along 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 12/11/95 RAS*

PLANS APPROVED BY Ronald Pinkley/Glen Savage REVISED \_\_\_\_\_ DATE 8/15/91, 11/30/95

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

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**

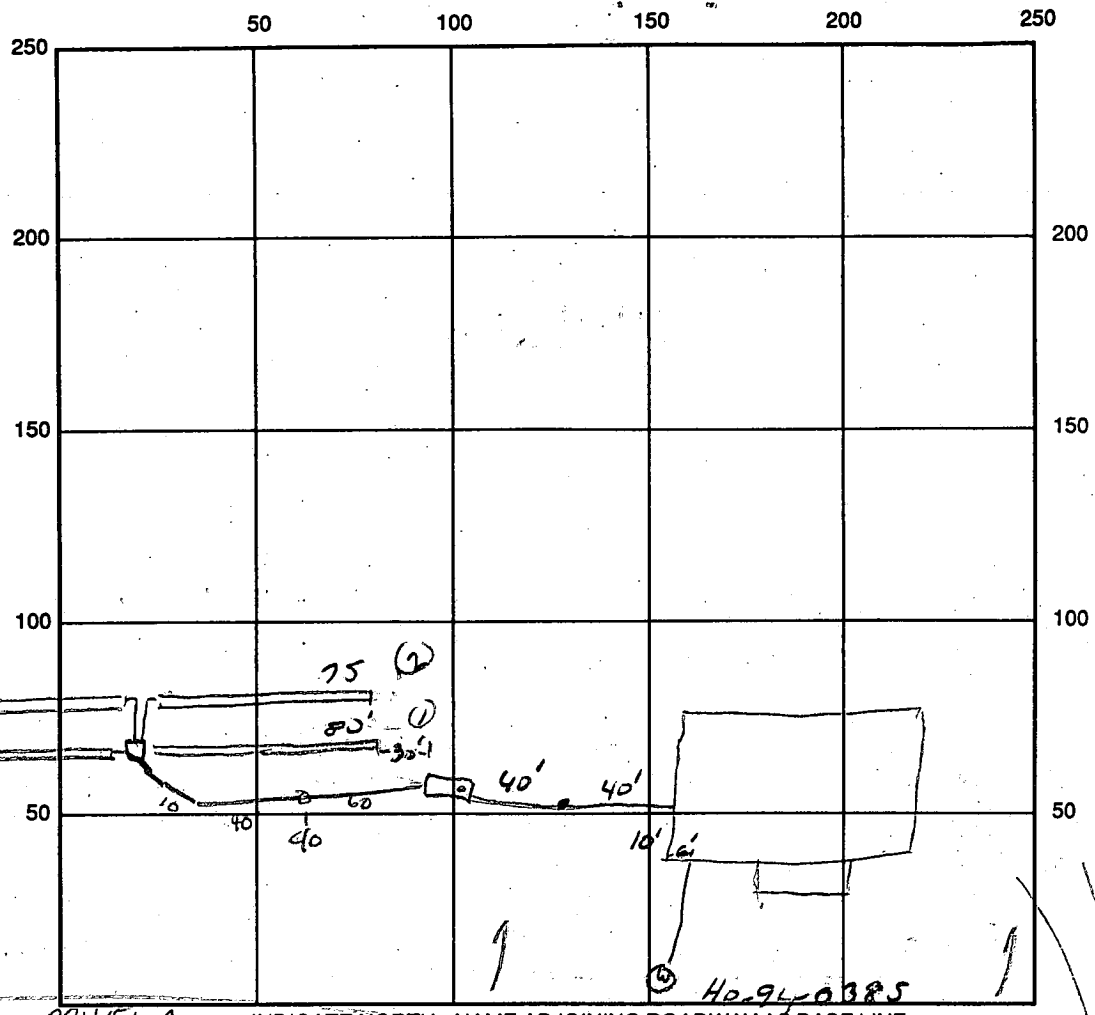
**BLDG. PERMIT SIGNED AND RETURNED** 5-15-97  
*Serial # B0105702*

*Sunder*

A  
42053

*4-1-96  
9:34-10:00 AM CO.  
4/2/96  
4-2-96 3:30 PM*

← RT 32 ↑



DRIVEWAY INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL ok CLEANOUTS 1 ON TANK, 1 ON CLINE TO TANK

DISTRIBUTION BOX LEVEL OR DUFFIN IS IN

DRAIN FIELD/TITLE DEPTH 6 FT. TRENCH WIDTH 3 FT. INLET DEPTH 4 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH  $\frac{1}{2}$  /  $\frac{2}{75}$  FT. 3/4

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

DRYWALL INSIDE DIAMETER \_\_\_\_\_ FT. EFFECTIVE DEPTH BELOW INLET \_\_\_\_\_ FT.

ABSORBENT AREA \_\_\_\_\_ SQ. FT.

REMARKS: 4-1-96 OK TO REDUCE STONE TO 15" TO 18" BELOW DISTRIBUTION PIPE

TRENCHES MAY START AT TANK. 4/2/96 OK TO COVER AS EAR AS

DISTRIBUTION BOX. 4/2/96

DATE SYSTEM APPROVED 4/3/96 INSPECTOR Amy M. Miller

# APPLICATION

PERCOLATION TESTING

A 42053

P \_\_\_\_\_

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

DISTRICT 5TH

DATE 3/8/88

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 MARY C. HILL ET AL

ADDRESS 6642 SENECA DRIVE COLUMBIA PHONE 301-381-4444  
MARYLAND 21044

PROSPECTIVE BUYER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION RUTHERFORD LOT NO. 108

ROAD AND DESCRIPTION WEST SIDE OF MD RTE 32, EAST SIDE OF TEN  
DAWS ROAD

TAX MAP 28 PARCEL # 75

SIZE OF LOT 3.1 ACRES TYPE BLDG. SFD 4 BRMS  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

**BLDG. PERMIT SIGNED**  
**AND RETURNED 11-30-95**  
Serial # 62591

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. Mary C. Hill  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

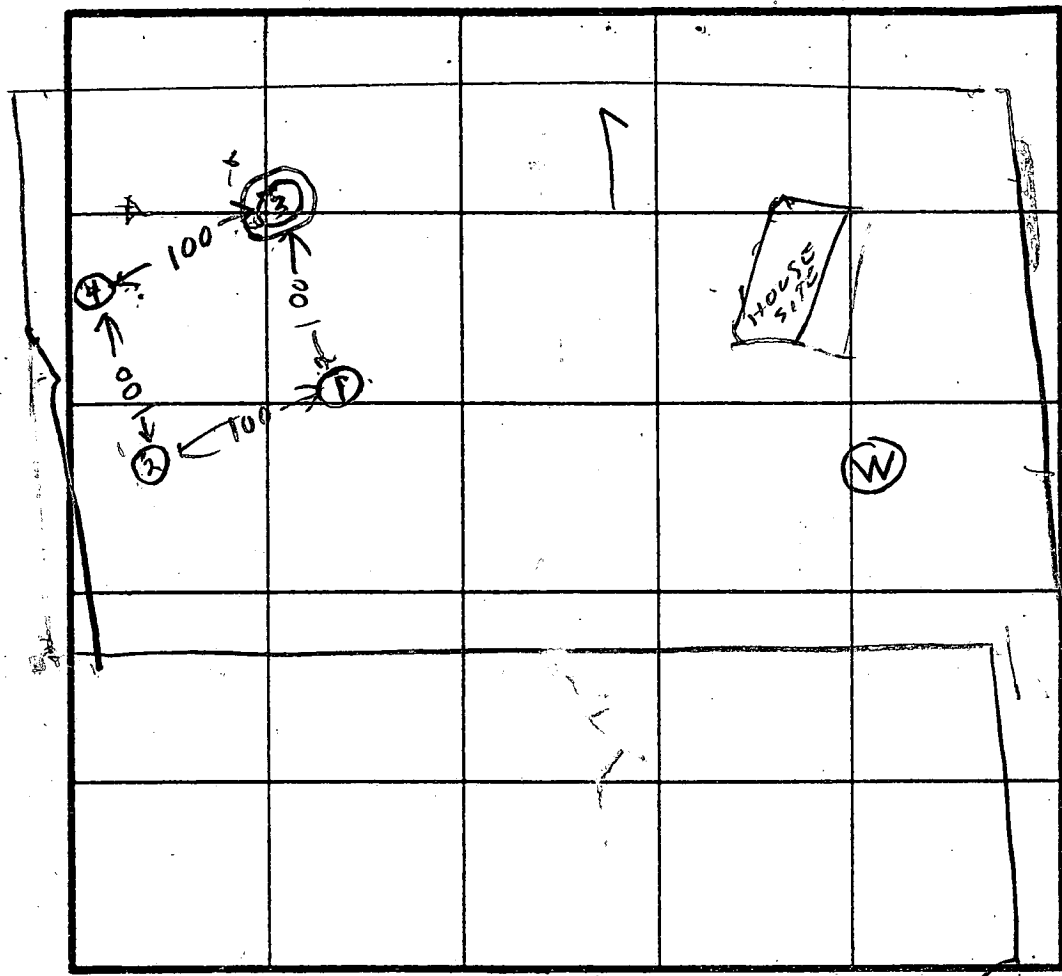
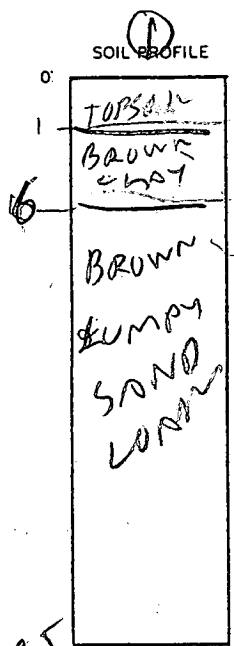
HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING 10/20/88 TEST WET SEASON OR DIG ANOTHER  
HOLE TAKE THE PLACE OF WATER HOLE (3) 1/3/89 - AREA  
manhole uphill 4' in elevation NO WET SEASON required

# THIS IS NOT A PERMIT

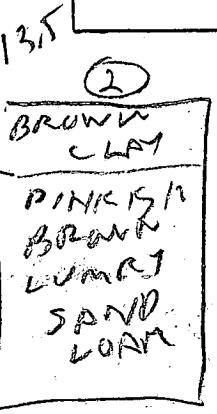
Lot 10  
A42053

See plot



H  
H  
100

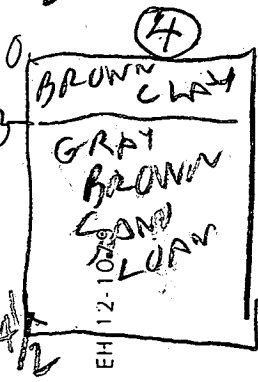
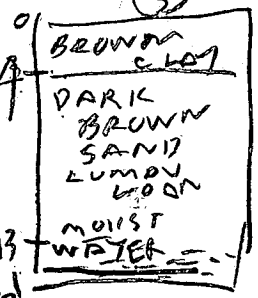
4  
3



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

COURT

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/20/88	1 S	5	1220	1232	1232	1252	5
	1 P	8.5	1220	1222	1222	1227	5
10/20/88	1 V	13.5	OK				
	2 V	13.5	OK				
	3 S	4	1234	1235	1235	1237	2
	3 V	13.5	WATER		1317	7 WET SEAS	
	4 S	5	1240	1241	1241	1244	3
	4 V	14.5	OK				
10/20/88	ES	6.5	100	104	104	111	7
1/3/89	Puc area moved uphill & elevation						
	NO WET SEASON required - <u>Shallow Syst only</u>						



REMARKS: Holes ① ② ③ ④ dug per Test Plan  
HOLD FOR WET SEASON WATER HOLE ③

TESTED BY: R. Hodges Backhol Phil & Phil & Kenny

ALSO PRESENT

4117

F-90-25  
Sheet 4

N  
42  
CT  
H  
AP  
11  
10  
18

MARYLAND

ROUTE 32

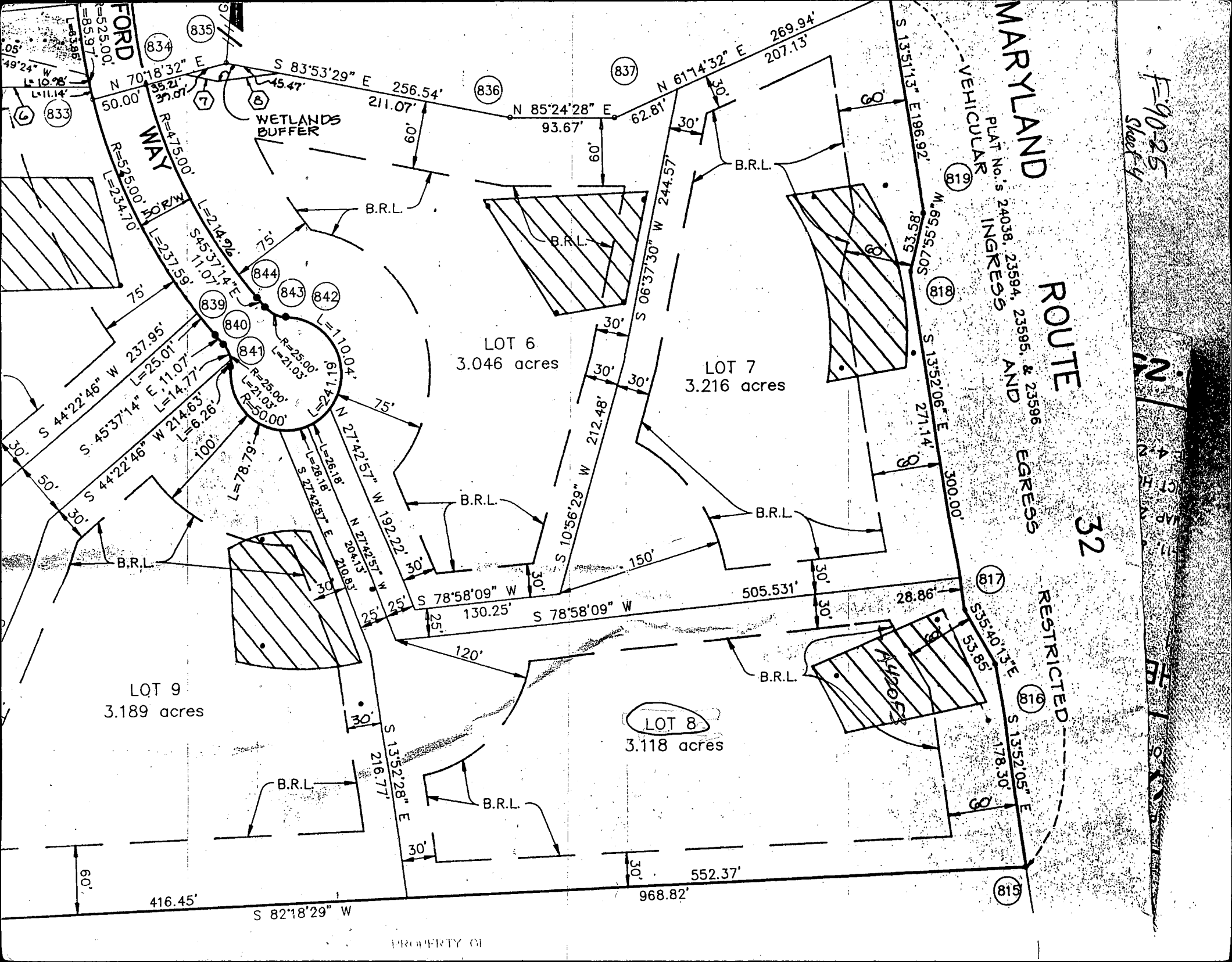
32

RESTRICTED

VEHICULAR INGRESS

EGRESS

PLAT No.'s 24038, 23594, 23595, & 23596



PROPERTY OF

Septic System Design Data:

1. 4 Bedrooms
2. Inv. @ wall: 517.00
3. 1250 Gallon Septic Tank  
Ex. Grade @ Tank: 520.00  
Finished Grade over Tank: 519.50  
Inv. In: 516.30  
Inv. Out: 516.00  
(Provide Manhole to fin. grade)
4. Distribution Box:  
Ex. Grade @ Box: 518.00  
Fin. Grade: 518.00  
Inv.: 514.00
5. Trench Data: 210 SF/BR  
(4 BR x 210 SF = 840  
840 SF ÷ 3 = 280 L.F. Trench)

- (A) Ex. Grade: 517.90  
Invert: 513.90  
Bot. of Trench: 511.90  
Length: 70'  
Width: 3'
- (B) Ex. Grade: 517.90  
Invert: 513.90  
Bot. of Trench: 511.90  
Length: 70'  
Width: 3'
- (C) Ex. Grade: 516.70  
Invert: 512.70  
Bot. of Trench: 510.70  
Length: 70'  
Width: 3'

- (D) Ex. Grade: 517.00  
Invert: 513.00  
Bot. of Trench: 511.00  
Length: 70'  
Width: 3'
- Note: Place cleanouts on line @ 70' Max. Spacing.

\*Provide 4 outlets (min) @ Distribution Box.

Lot 6  
Plat # 9372

Approved Septic System Plan  
Howard County Health Department

*[Signature]*  
Signature

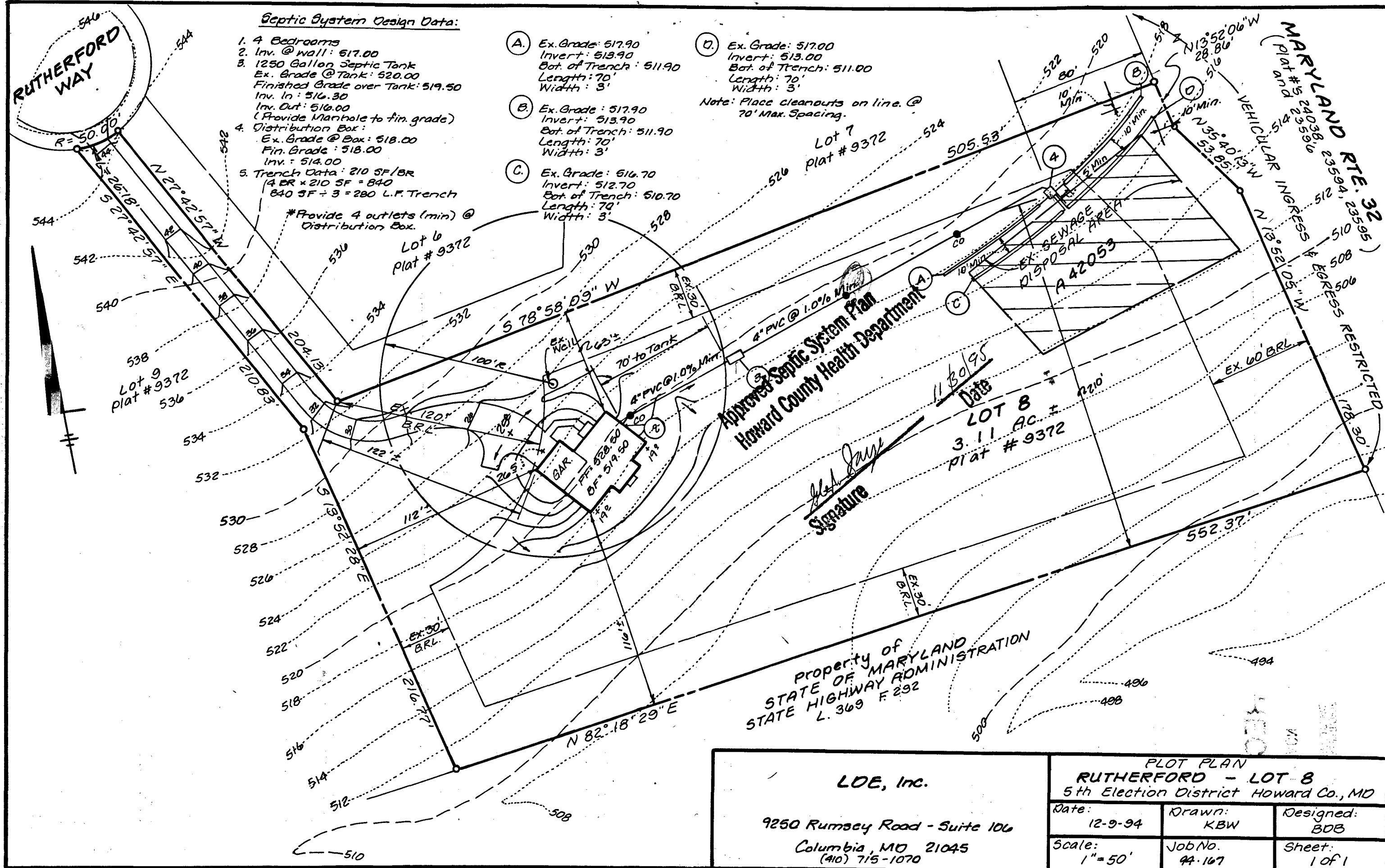
11/30/95  
Date  
LOT 8  
3.11 AC. ±  
Plat # 9372

Property of  
STATE OF MARYLAND  
STATE HIGHWAY ADMINISTRATION  
L. 369 F. 292

LDE, Inc.

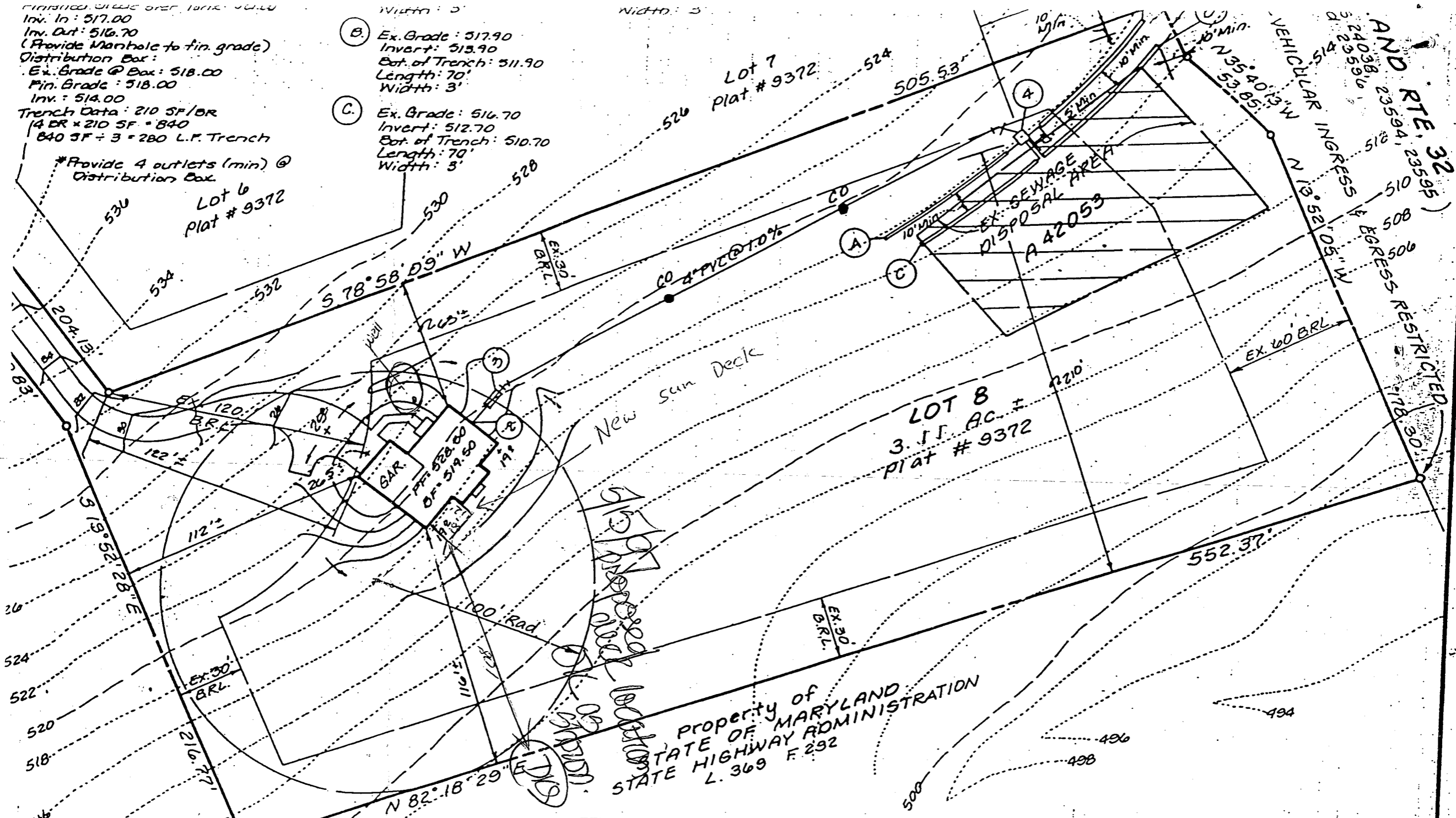
9250 Rumsey Road - Suite 106  
Columbia, MD 21045  
(410) 715-1070

PLOT PLAN RUTHERFORD - LOT 8 5th Election District Howard Co., MD		
Date: 12-9-94	Drawn: KBW	Designed: BOB
Scale: 1" = 50'	Job No. 44-167	Sheet: 1 of 1



FINISHED GRADE OVER 18" DIA. 4" DIA  
 Inv. In: 517.00  
 Inv. Out: 516.70  
 (Provide Manhole to fin. grade)  
 Distribution Box:  
 Ex. Grade @ Box: 518.00  
 Fin. Grade: 518.00  
 Inv.: 514.00  
 Trench Data: 210 SF/BR  
 14 BR x 210 SF = 840  
 840 SF ÷ 3 = 280 L.F. Trench

- (B) Ex. Grade: 517.90  
 Invert: 513.90  
 Bot. of Trench: 511.90  
 Length: 70'  
 Width: 3'
- (C) Ex. Grade: 516.70  
 Invert: 512.70  
 Bot. of Trench: 510.70  
 Length: 70'  
 Width: 3'



\*Provide 4 outlets (min) @  
 Distribution Box  
 Lot 6  
 Plat # 9372

PROPERTY OF  
 STATE OF MARYLAND  
 STATE HIGHWAY ADMINISTRATION  
 L. 369 F. 292

LDE, Inc.

PLOT PLAN  
 RUTHERFORD - LOT 8  
 5th Election District Howard Co. MD

C1-5980

SEQUENCE NO. (DENV 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 COLS. 3-6 ON ALL CARDS)

COUNTY NUMBER A-42053

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well 400 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-99-0385

OWNER BRANTLY DEVELOPMENT last name RUTHERFORD WAY first name TOWN DAYTON SUBDIVISION RUTHERFORD SECTION LOT 8

WELL LOG table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing. Includes entries for Top soil, red clay, brown shale, Sand Stone, mica, Sand Stone, Mica.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL CEMENT (CM), BENTONITE CLAY (BC), NO. OF BAGS 13, NO. OF POUNDS 1300, GALLONS OF WATER 6500, DEPTH OF GROUT SEAL 40 ft.

CASING RECORD: casing types insert appropriate code below. Includes codes for ST (STEEL), CO (CONCRETE), PL (PLASTIC), OT (OTHER). MAIN CASING TYPE ST, Nominal diameter 6, Total depth 48.

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

SCREEN RECORD: screen type or open hole insert appropriate code below. Includes codes for ST (STEEL), BR (BRASS), HO (OPEN HOLE), PL (PLASTIC), OT (OTHER). DEPTH (nearest ft): 46, 400.

IN HARD ROCK AREAS, IDENTIFY SPECIFICALLY WHERE SATURATED FRACTURES WERE OBSERVED. WELL HYDROFRACTURED YES (Y) NO (N).

CIRCLE APPROPRIATE LETTER: A (WELL WAS ABANDONED AND SEALED), E (ELECTRIC LOG OBTAINED), P (TEST WELL CONVERTED TO PRODUCTION WELL).

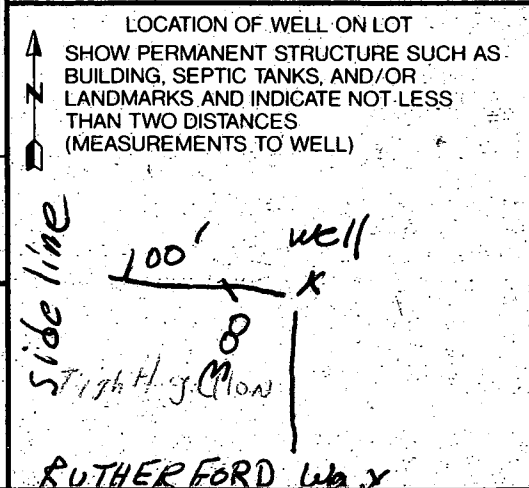
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT...

DRILLERS IDENT. NO. 40, DRILLERS SIGNATURE George F. Eustaley, SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee) Charles R. Allen

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68. MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER). T (TELESCOPE CASING), LOG INDICATOR, W Q (OTHER DATA).

PUMPING TEST: HOURS PUMPED 6, PUMPING RATE 1, METHOD USED TO MEASURE PUMPING RATE Bucket, WATER LEVEL 28, WHEN PUMPING 209, TYPE OF PUMP USED (for test) S (submersible).

PUMP INSTALLED: DRILLER WILL INSTALL PUMP YES (NO), TYPE OF PUMP INSTALLED S, CAPACITY: GALLONS PER MINUTE, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT above/below LAND SURFACE.



5689

SEQUENCE NO. (DENV 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

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

ST/CO USE ONLY. DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

Grid for ST/CO USE ONLY. DATE RECEIVED

07 29 95

403

40-94-0345

OWNER: PRANLY DEVELOPMENT last name: RUTHER FORD first name: TOWN: DAYTON

SUBDIVISION SECTION LOT

WELL LOG table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL: CEMENT CM, BENTONITE CLAY BC

CASING RECORD: ST CO (STEEL CONCRETE), PL OT (PLASTIC OTHER)

MAIN CASING TYPE: Nominal diameter top (main) casing, Total depth of main casing

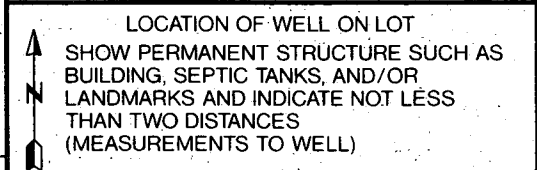
OTHER CASING (if used): diameter inch, depth (feet) from to

SCREEN RECORD: ST BR HO (STEEL BRASS OPEN HOLE), PL OT (PLASTIC OTHER)

SCREEN: C 2, DEPTH (nearest ft.), SLOT SIZE, DIAMETER OF SCREEN

PUMPING TEST: HOURS PUMPED (3), PUMPING RATE, METHOD USED TO MEASURE PUMPING RATE (Buchit)

PUMP INSTALLED: DRILLER WILL INSTALL PUMP (YES NO), TYPE OF PUMP INSTALLED, CAPACITY, PUMP HORSE POWER



CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION"

DRILLERS IDENT. NO. 40, DRILLERS SIGNATURE

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

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

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER): T (E.R.O.S.), W Q

TELESCOPE CASING, LOG INDICATOR, OTHER DATA

AMENDED Report Pumping Test only well hydrofracked 7/28/95

Handwritten initials and date: OK 10/12/95