

5/24/96  
P.M.  
5/31/96  
10:00

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 56634B

A 49047

DISTRICT 4th

DATE 5-20-96

DATE SYSTEM APPROVED 5/31/96

INSPECTOR M. Retkin

#### HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

461-9933 313-2640

INDEXED

Van Sant Plumbing & Heating

IS PERMITTED TO INSTALL X ALTER

ADDRESS 3 N. Main Street, Mt. Airy, MD 21771

PHONE <sup>800-</sup>682-6726

SUBDIVISION Walnut Springs LOT 4 ROAD 1220 Emmaus Road

PROPERTY OWNER Firetti Construction Group, Inc. / Hill

ADDRESS

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

240 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 320

TRENCHES - Trench to be 3 feet wide. Inlet 4.5 feet below original grade. Bottom maximum depth 6.5 feet below original grade. Effective area begins at 4.5 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place the distribution box 15' off the 218' lot line and 155' off the 196' lot line. Run trenches along contour towards Emmaus Road.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK/MR

PLANS APPROVED BY Glen Savage

DATE 2/29/96

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

vr/  
HD-260(6-90)

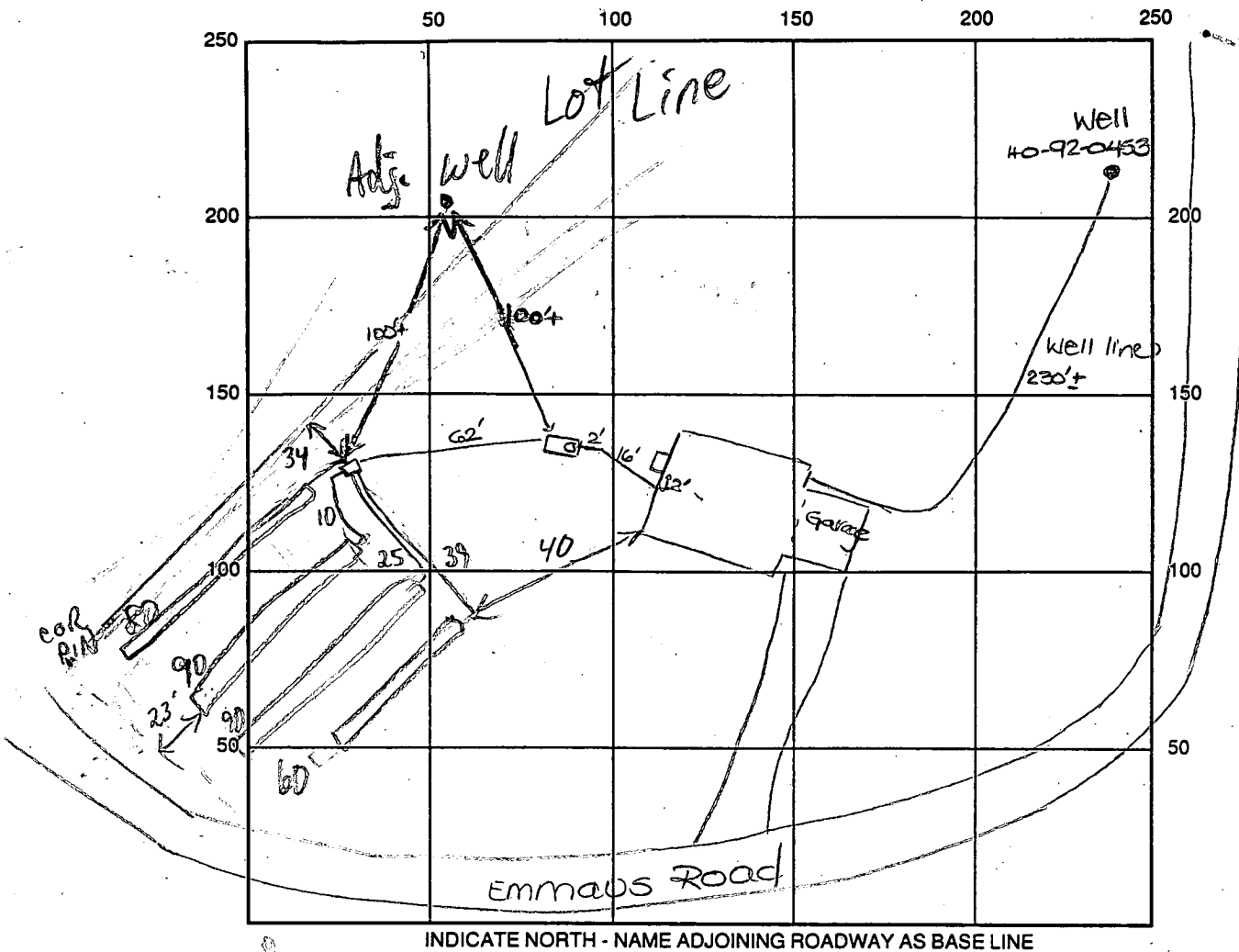
**\*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

**\*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.**

BLDG. PERMIT SIGNED  
AND RETURNED 3-24-96  
Serial # 20116859

duh

A 49047



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL OK - 1250 gal CLEANOUTS one on st.  
 DISTRIBUTION BOX LEVEL OK - BAFFLE IN  
 DRAIN FIELD/TITLE DEPTH 6.5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 4.5± FT.  
 EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH ① FT.  
 NUMBER OF TRENCHES 4 ONE SIDEWALL/BOTTOM AREA \_\_\_\_\_ SQ. FT.  
 DRYWALL INSIDE DIAMETER \_\_\_\_\_ FT. EFFECTIVE DEPTH BELOW INLET \_\_\_\_\_ FT.  
 ABSORBENT AREA \_\_\_\_\_ SQ. FT.

REMARKS: 5/24/96 OK to cover from house to d.b. and continue. DKS  
5/31/96 D.B. NOT AT HIGH POINT AS PER SPECS, BUT 15-20' LOWER  
DOWNHILL; ONE TRENCH LOC. AVAIL. UPHILL; ALSO NOT  
OPTIMUM LAYOUT, BUT ACCEPTED; OK TO COVER (HAR)

5/24/96 P.A., Well line 4' below grade. Casing 1' above grade. OK to cover.  
 DATE SYSTEM APPROVED 5/30/96 INSPECTOR M. Ripkin DKS

# APPLICATION

PERCOLATION TESTING

A 49047  
P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

DISTRICT 4TH  
DATE 3/16/93

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 CHARLES & CAROL SCHROEDER Firetti Construction Group, Inc  
ADDRESS 1245 MORGAN STATION RD. PHONE 301 854 6217

AGENT OR PROSPECTIVE BUYER \_\_\_\_\_  
ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION NONE LOT NO. 4  
ROAD AND DESCRIPTION EAST OF MORGAN STATION RD. SOUTH OF RTE. 70.  
(1220 Emmaus Road)

TAX MAP 8 PARCEL # 313  
SIZE OF LOT ± 40,500 sq TYPE BLDG. SINGLE FAMILY  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

BLDG. PERMIT SIGNED  
AND RETURNED 2/29/93  
Serial # 63549-SFD-4 Broom

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]  
(SIGNATURE OF APPLICANT) Boender Assoc. Inc

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

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

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

REASONS FOR REJECTION OR HOLDING HOLD FOR PLAT-PERC OK 6/3/93 MR

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

A49047

COUNTY #

Lot 4

SOIL PROFILE

0' (1) - (4)

32-42

brn  
tan  
sac 1m

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tan  
sa  
1m  
10-15%  
frags

(2) (3)

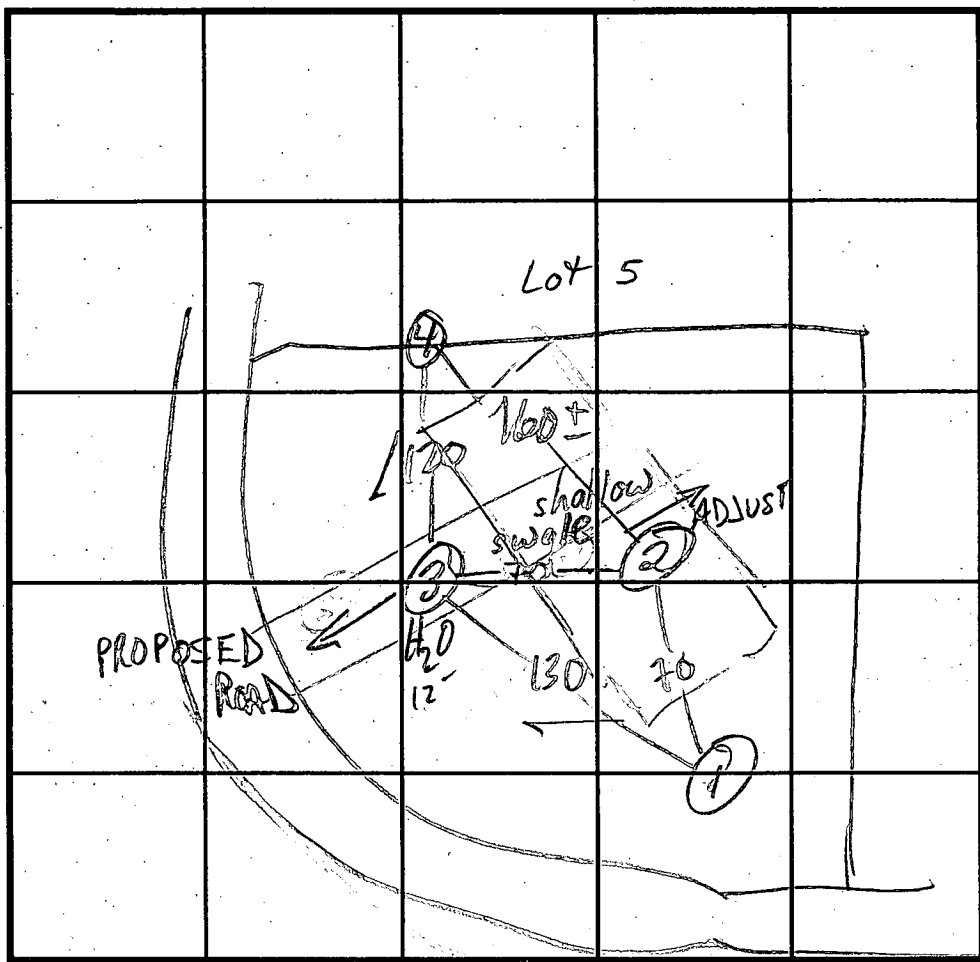
42

brn clay  
& clay 1m

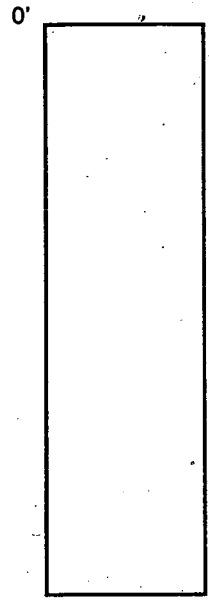
brn  
silt  
10cm  
10%  
frags

12  
1  
12

WATER in (3)



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5/4/93	2 S	5	3:13	3:20	3:20	3:39	19 EST
	2 M	7 1/2	3:16	3:20	3:20	3:26	6
	2 V	13	see profile				
	3 S	5	3:48	4:00	4:00	4:24	24 EST
	3 M	7 1/2	3:42	3:57	3:57	4:20	23
	3 V	12 1/2	H <sub>2</sub> O @ 12'				
	1 S	5 1/2	3:21	3:24	3:24	3:29	5
	1 M	7 1/2	3:28	3:32	3:32	3:35	3
	1 V	12 ±	see profile				
	4 S	4 1/2	2:59	3:01	3:01	3:03	2
	4 M	7	3:01	3:03	3:03	3:06	3
	4 V	13	see profile				

REMARKS ADJUST SEWAGE FIELD AS HIGH AS POSS FOR H<sub>2</sub>O TABLE

TYPE OF SOIL ALL HOLES PER PLAN

TESTED BY M. Rifkin ALSO PRESENT Fyock crew

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 1h TRENCH WIDTH 3

INLET DEPTH 4 1/2 MAXIMUM BOTTOM DEPTH 6 1/2 SQ. FT./BEDROOM 240

Well Site OK  
per CW 8/31/93  
NO INSP

MR

EX DWELL

EX DWELL

EX DWELL

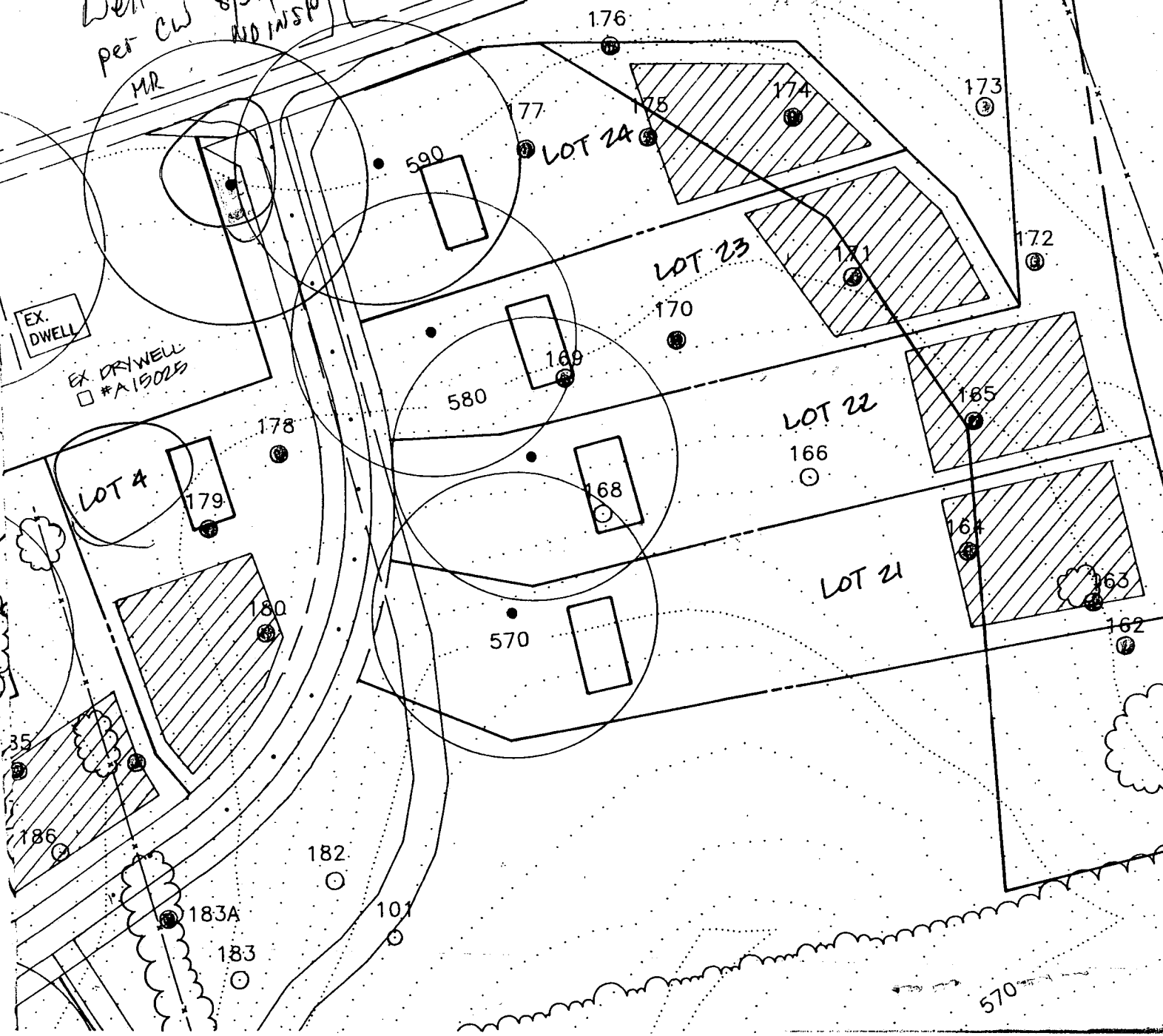
EX DWELL

EX GAR

EX DRYWELL

EX DWELL

EX DRYWELL  
#A19025



SITE INSPECTION SHEET

OWNER: \_\_\_\_\_

DATE REQUESTED: \_\_\_\_\_

PHONE #: \_\_\_\_\_

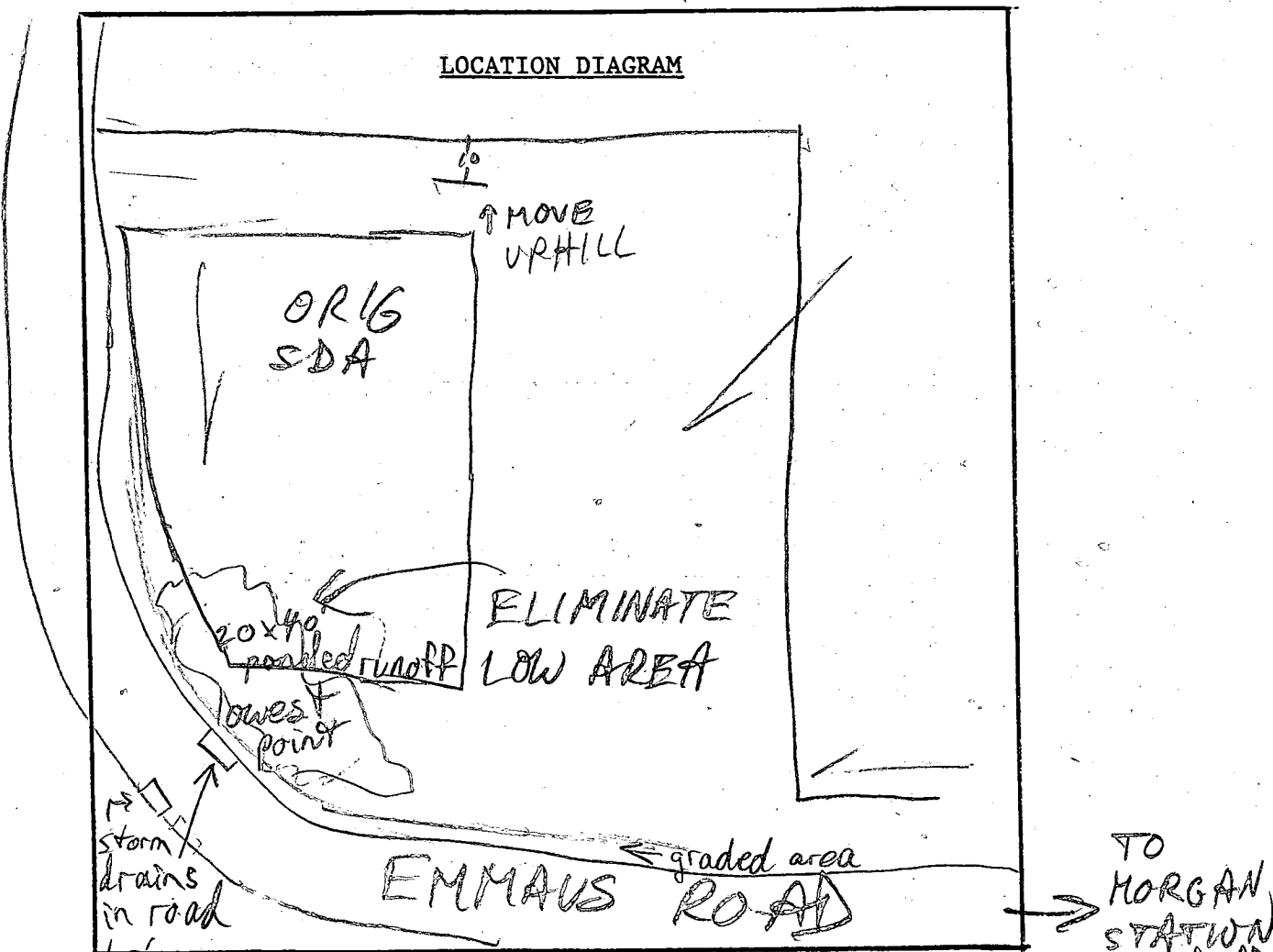
CONTRACTOR: \_\_\_\_\_

ADDRESS: Walnut Springs Lot 4

WELL TAG #: \_\_\_\_\_

COUNTY #: \_\_\_\_\_

PROPOSAL: Engineer preparing site plan reports storm drain elev. will require up to 4' fill over SDA, also resulting in significant ponding



COMMENTS: 2/7/96 SITE 100% SNOW-COVERED; ROAD & ASSOC.

GRADING SEEMS HIGHER THAN LOWEST POINT OF LOT;

NO DRAINAGE STRUCTURES OBS'D BEYOND ROAD MR

2/9/96 SNOW MELTED, BUT POND COLLECTED AS ABOVE; POND DEPTH

DATE: \_\_\_\_\_

INSPECTOR: \_\_\_\_\_

~ 9-12" 4' FILL EVALUATION SEEMS ERRONEOUS; SDA TO BE MOVED UPHILL TO MINIMIZE POND IMPACT MR w/ T. Bosse & Excavator

2/9/95 T/C w/J. ECKER: I ADVISED ONLY 1' FILL  
LIKELY. SHE FIRST WANTED LETTER OF FILL  
CERTIFICATION; I HESITATED, THEN SHE  
REALIZED THAT FIELD-RUN TOPD IS THE  
ONLY CORRECT ANSWER; I AGREED; ~~SHE~~  
I ALSO REQUESTED SDA UPHILL ADJUSTMENT  
& DISESTABLISHING SDA PORTION ADJACENT TO  
STORM DRAIN; ~~SHE~~ SHE AGREED MR





C1 8197 SEQUENCE NO. (DENV 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 49047**

ST/CO USE ONLY  
 DATE Received

DATE WELL COMPLETED  
**09/15/93**

Depth of Well  
**125**  
 (TO NEAREST FOOT)

PERMIT NO.  
 FROM "PERMIT TO DRILL WELL"  
**HO-92-0453**

OWNER **Schauer** last name **MORGAN** first name **Station** TOWN **WOODRING**  
 SUBDIVISION **Walnut Springs** SECTION LOT **4**

**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	59	
Blue Rock	59	125	

**GROUTING RECORD**  
 WELL HAS BEEN GROUTED  YES  NO  
 TYPE OF GROUTING MATERIAL  
 CEMENT  CM BENTONITE CLAY  BC  
 NO. OF BAGS **12** NO. OF POUNDS **1128**  
 GALLONS OF WATER **72**  
 DEPTH OF GROUT SEAL (to nearest foot)  
 from **0** ft. to **49** ft.  
 (enter 0 if from surface)

**CASING RECORD**  
 casing types insert appropriate code below  
 ST  CO  
 STEEL CONCRETE  
 PL  OT  
 PLASTIC OTHER

MAIN CASING TYPE  ST  
 Nominal diameter top (main) casing (nearest inch) **6**  
 Total depth of main casing (nearest foot) **63**

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

screen type or open hole insert appropriate code below  
 ST  BR  HO  
 STEEL BRASS OPEN HOLE  
 PL  OT  
 PLASTIC OTHER

**C 2**  
 DEPTH (nearest ft.)  
 EACH SCREEN  
 1 **H 0 61** **125**  
 2  
 3

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.

DRILLERS IDENT. NO. **24**  
 DRILLERS SIGNATURE *Joseph E. Morgan*  
 (MUST MATCH SIGNATURE ON APPLICATION)

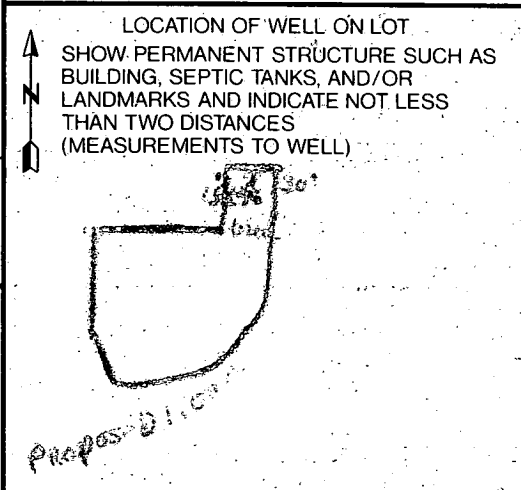
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

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  
 70 72 74 75 76  
 TELESCOPE CASING LOG INDICATOR OTHER DATA

**C 3**  
**PUMPING TEST**  
 HOURS PUMPED (nearest hour) **3**  
 PUMPING RATE (gal. per min. to nearest gal.) **15**  
 METHOD USED TO MEASURE PUMPING RATE **Bucket**  
 WATER LEVEL (distance from land surface)  
 BEFORE PUMPING **33**  
 WHEN PUMPING **36**  
 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   
 (CIRCLE) (YES or NO)  
 IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE  
 TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE:  
 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 } LAND SURFACE  
 - below } **2** (nearest foot)



LOT 5

43.57' N86°23'19"W  
S71°47'26"W

218.07'

LOT 4  
44,745 sq ft  
1.03 acres

N04°50'16"E

EMMANUEL'S  
R=204.00'

15'  
72.1' F  
BRL

50'  
BRL

Chimney

Bay Window

Conc. Stoop

Conc. Walk

#1220 Vinyl  
2 Sty. Vinyl

Bay Window

Macadam Driveway

BRL

50.4'

31' x 60' area of  
property  
occupied  
by  
EMMANUEL'S  
(E)

50' R/W

62.1' F

196.98'

N83

L=344.66'

S 81