

12/20/99  
ca 1:20 PM  
12/21/99  
1:00

# PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

03-330540

P 513130

A 50830-U

DISTRICT \_\_\_\_\_

DATE 11/18/1999

DATE SYSTEM APPROVED 12/21/99

INSPECTOR S.R.H.

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

XXXXXXX 410-313-2640

Van Sant Plumbing & Heating

IS PERMITTED TO INSTALL  ALTER

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

PHONE 301-829-0444

SUBDIVISION Brantwood

LOT 23

ROAD 3105 Argent Path

PROPERTY OWNER D.C. VanStone

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1500 GALLONS

NUMBER OF BEDROOMS 5

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 300

TRENCHES - Trench to be 3 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 5.0 feet below original grade. Effective area begins at 3.0 feet below original grade. 2.0 feet of stone below distribution pipe.

LOCATION - Place the distribution box 155 feet down the left lot line and 50 feet off this same lot line as seen from Argent Path. Run first two trenches along contour towards the left lot line; run all other trenches 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. on SRH 8/19/99

PLANS APPROVED BY Donna K. Soe

DATE 7-14-1999

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

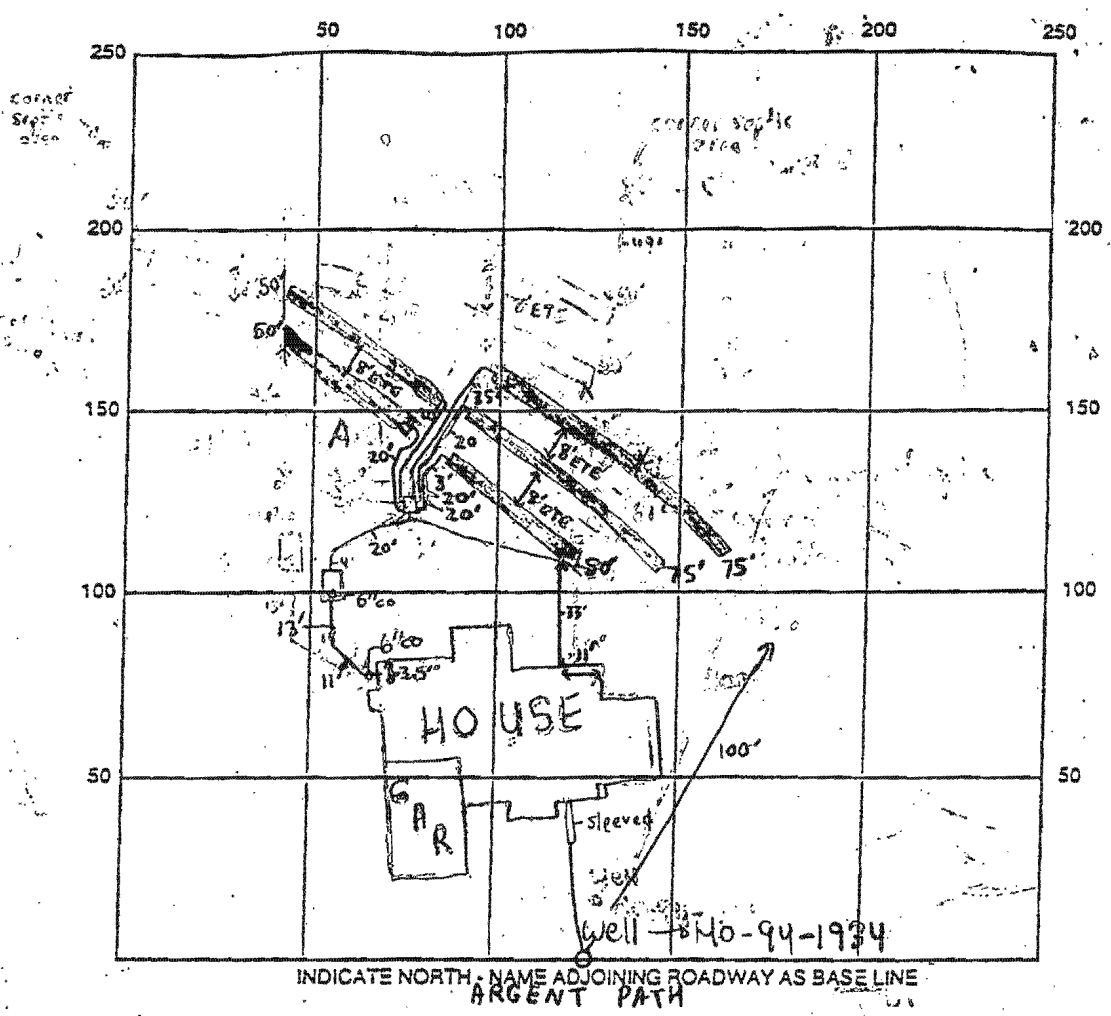
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON, CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

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

50830-U



SEPTIC TANK LEVEL ✓ 1500 gallon mid seam tank CLEANOUTS 6" at House

DISTRIBUTION BOX LEVEL ✓ Baffle is in

DRAIN FIELD/TITLE DEPTH 5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 300 FT. 300

NUMBER OF TRENCHES 5 ONE SIDEWALL/BOTTOM AREA 900 SQ. FT.

DRYWALL INSIDE DIAMETER N/A FT. EFFECTIVE DEPTH BELOW INLET N/A FT.

ABSORBENT AREA N/A SQ. FT.

REMARKS: 12/20/99 - WELL CASING WILL NEED TO BE EXTENDED TO OBTAIN 8" ABOVE FINISHED GRADE, HOUSE CONNECTION NEEDED, OK TO CONTINUE WORK, SEPTIC AREA IN LOCATION A WAS NOT UTILIZED BUT CAN BE IN THE FUTURE

(SRW) 12/21/99 - WPZ OK - ISSUES RESOLVED, HOUSE CONNECTION MADE, OK TO COVER ALL WORK (SRW)

DATE SYSTEM APPROVED 12/21/99 INSPECTOR Steven R. Krug

3/22

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35

40

45

221 total



LOT 23 BRANTWOOD

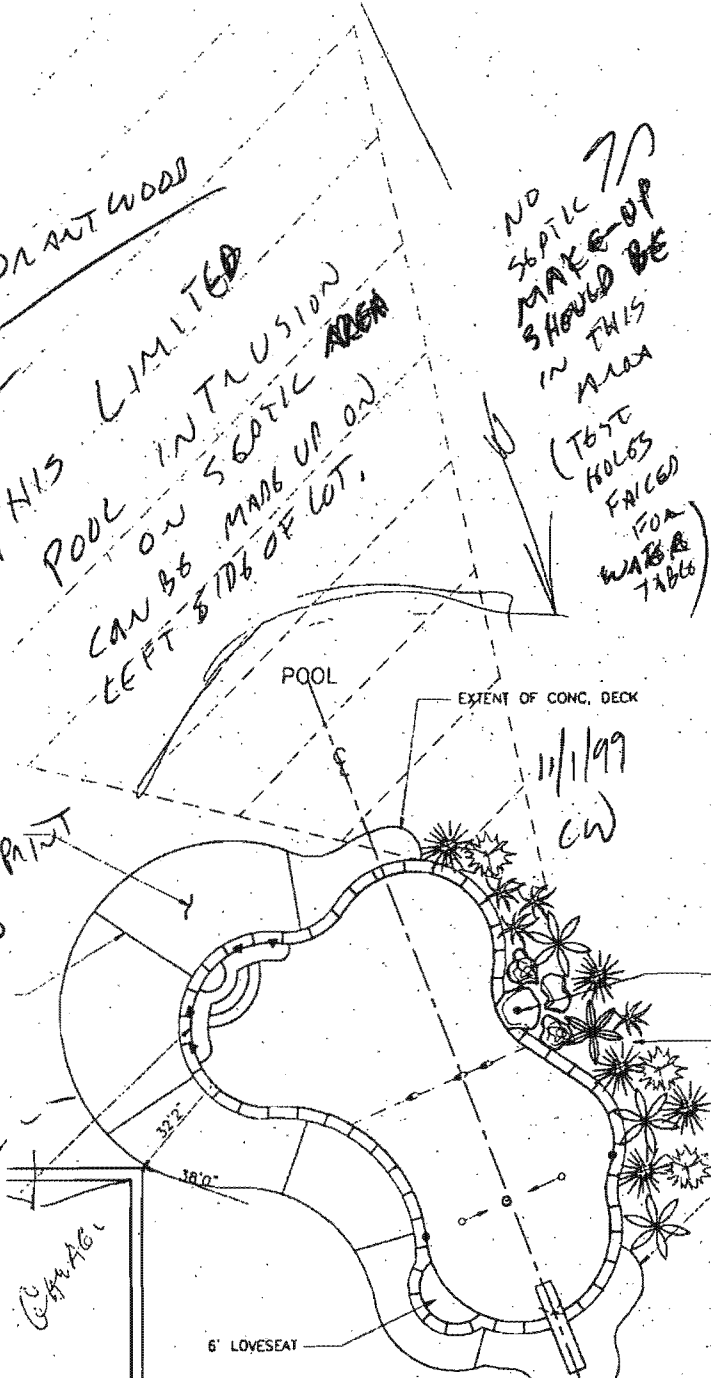
PREVIEW

THIS LIMITED POOL INTRUSION CAN BE MADE UP ON LEFT SIDE OF LOT.

WILL BE BACK WITH SPECIFIC PLAN

BE SURE HOUSING FOOTPRINT MATCHES BR PLAN NO ADDITIONAL SEPTIC AREA CAN BE LOST.

NO SEPTIC MAKE-UP SHOULD BE IN THIS AREA (TEST HOLES FRICED FOR WATER TABLE)



ond Beam

Piping Schedule

Revisions



JUNCTION BOX

POOL

- STEEL CREW:
- GUNITE CREW:
- COPING & TILE:
- DECK CREW:
- PLASTER CREW:

EQUIPMENT LIST

- DIRT:
- TILE:
- COPING:
- STEPS:
- PLASTER:
- FILTER:
- SARNEY EQ:
- CLEANING EQ:
- VACUUM EQ:
- DIVING EQ:
- LADDERS:
- GRABRAILS:
- LIGHTS:
- WATTS:
- HEATER:
- SPA:
- LOVESEAT:
- DECKING:
- POOL COVER- WINTER:
- SOLAR:
- AUTO:
- FENCE:
- OTHER ITEMS:

STYLE:

VOLTS:

PLIVE RECEIVED NOV 01 1999

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH

- WATERFALL STUB-OUT- BY MPI
- PROP. LANDSCAPING- BY OWNER
- EXTENT OF CONC. DECK

HOURS GRADING IN CONTRACT: ONE

POOL DATA

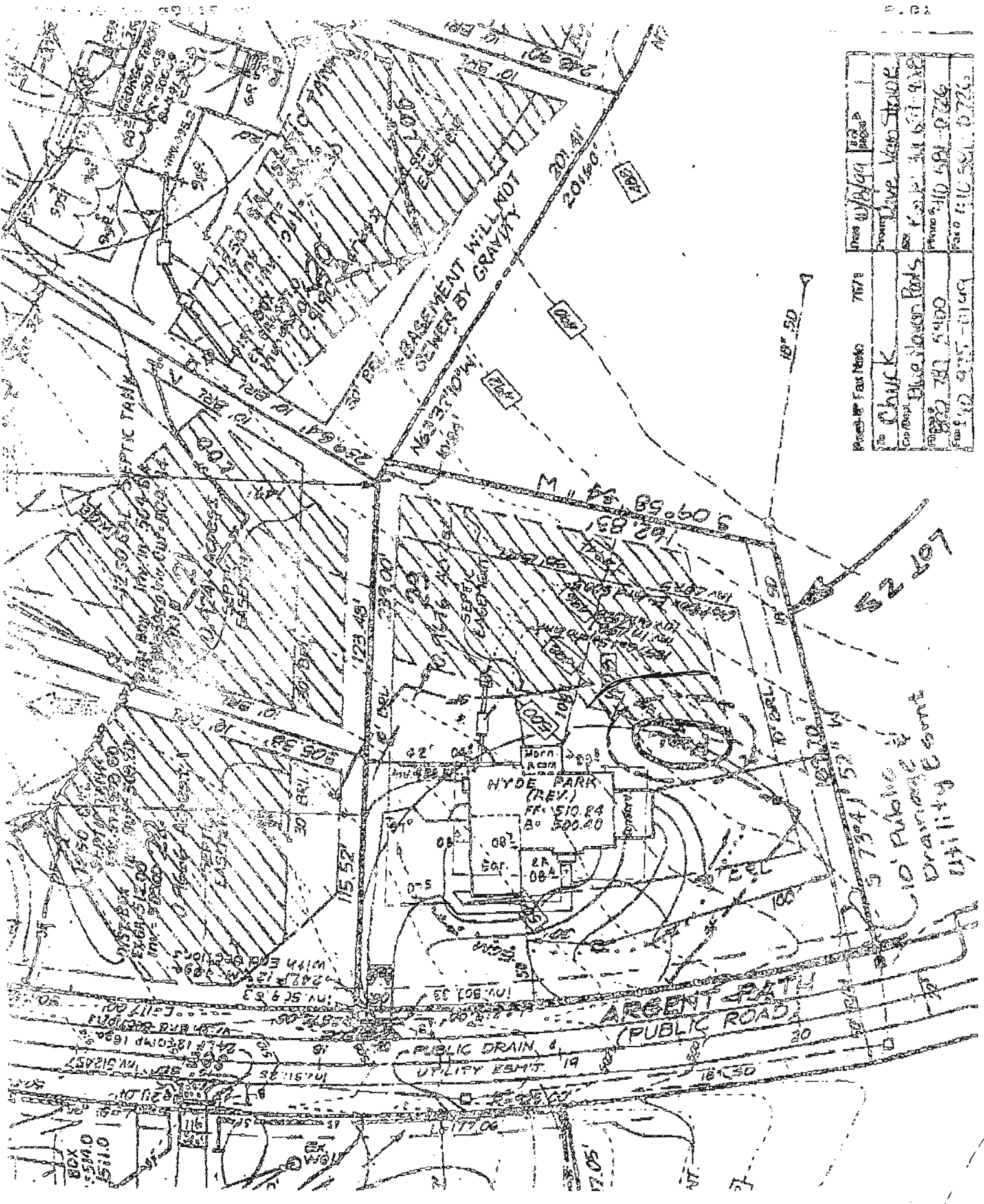
SIZE: 27' X 40'      SHAPE: CUSTO  
 AREA- POOL: 688 + L.SEAT      OTHER:  
 TOTAL Sq.Ft.: 700      L.SEAT-1:  
 PERIMETER- POOL: 116      OTHER:  
 GALLONAGE: 29,700

NAME: DAVE & MARIA VANSTONE

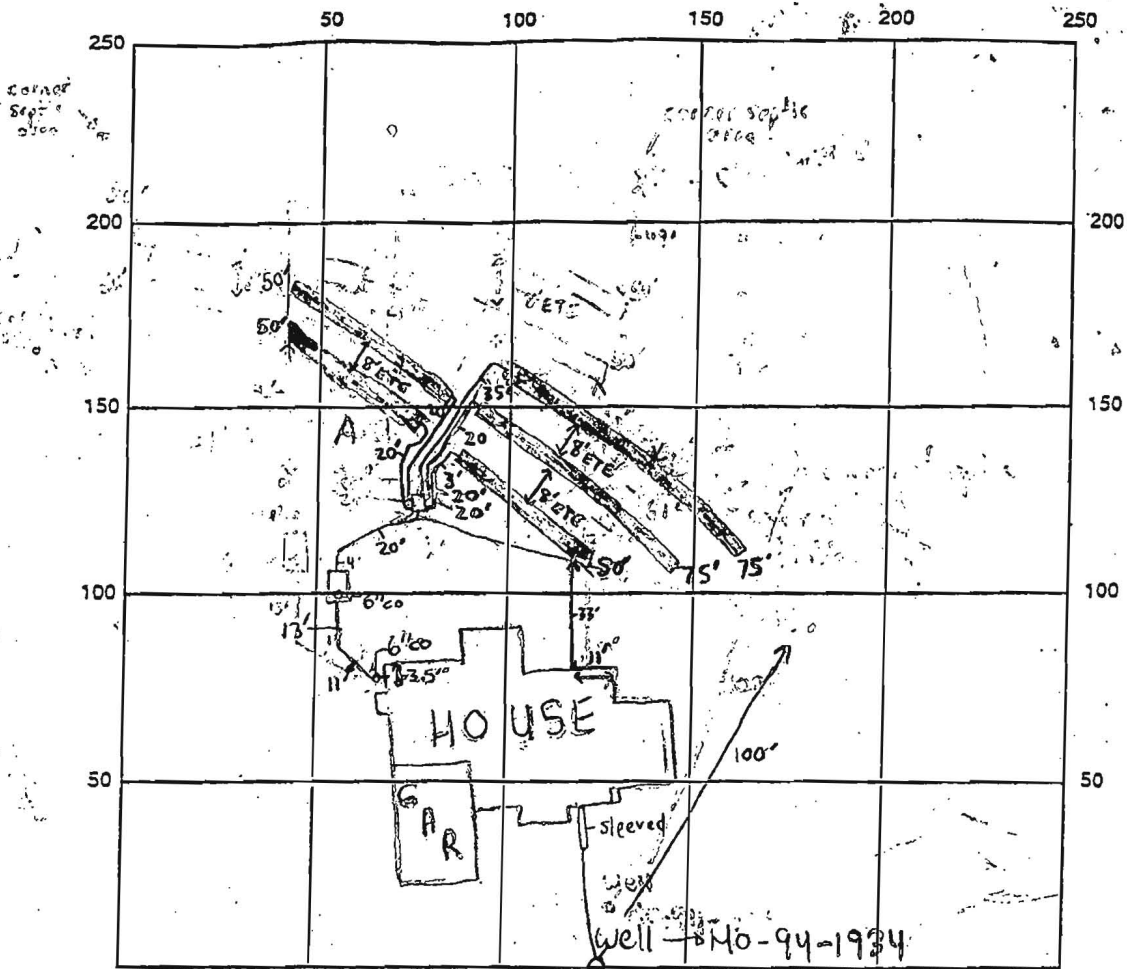
ADDRESS: 3105 ARGENT PATH

CITY: ELLICOTT CITY, MARYLAND 21043

COUNTY: HOWARD      ZONE: 1



Project File No.	7878	Date	11/28/99	BY	JP
Client	CHUCK	Project Name	Chave Van Stone		
Location	Blue Mountain Park	Project No.	11157-98		
Sheet No.	287	Scale	1" = 100'		
Drawn By	JP	Checked By	JP		



INDICATE NORTH. NAME ADJOINING ROADWAY AS BASE LINE  
ARGENT PATH

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ADDRESS \_\_\_\_\_

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$5 \times 180 = 900 / 3 = 300 \times .62 = 186$  (Side)

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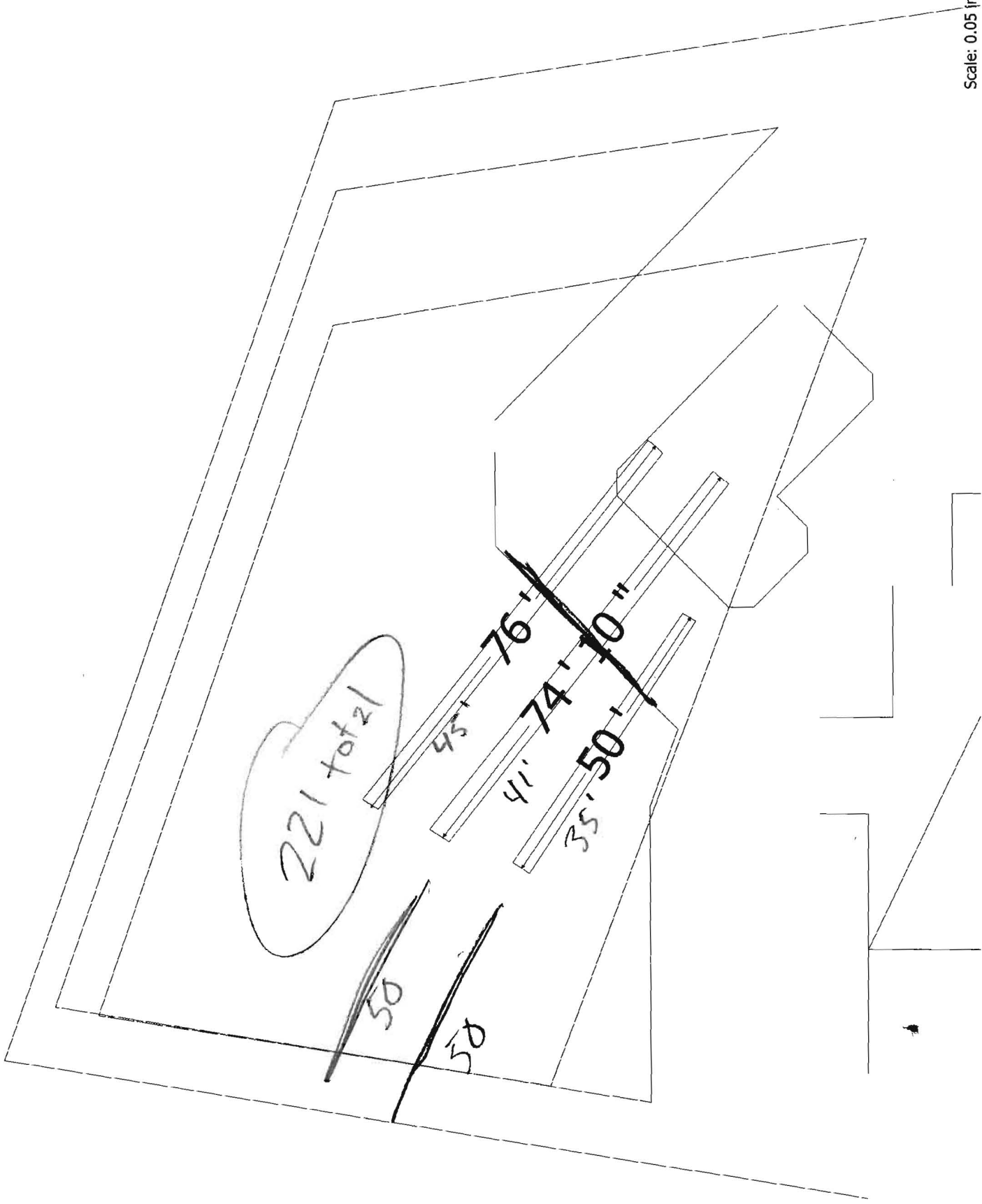
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
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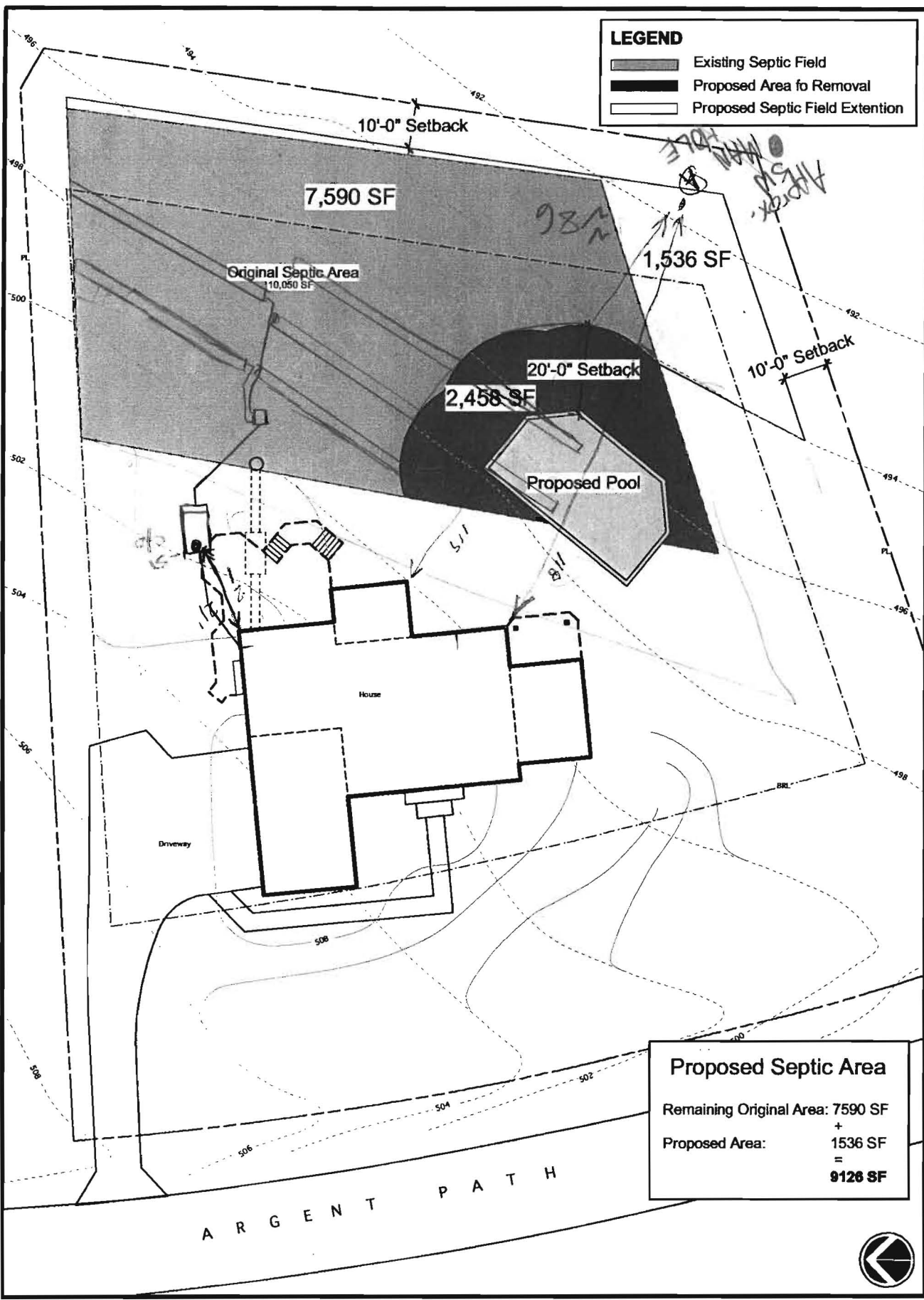
50830-U



Scale: 0.05 in. per ft.

**LEGEND**

-  Existing Septic Field
-  Proposed Area for Removal
-  Proposed Septic Field Extension



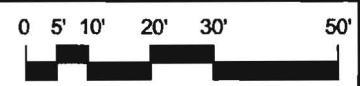
**Proposed Septic Area**

Remaining Original Area:	7590 SF
+	
Proposed Area:	1536 SF
=	
	<b>9126 SF</b>



# Pool Context Plan

## Gonzales/ VanStone Residence



**SLATER ASSOCIATES, INC.**  
 5560 Storoff Pl. Suite 302  
 Columbia, MD 21044  
 410.992.0212 - fax  
 410.992.0001 - phone  
 www.slaterassociates.com  
 Landscape Architecture • Site Planning • Land Planning

## TRENCH DESIGN CALCULATION SHEET

**Table A: Linear feet of trench required per bedroom based on perc rate.**

Perc Rate	Sq. Ft. of Trench
2-7 min.	180
8-15 min.	210
16-20 min.	240
21-30 min.	300

To calculate length of trench required, multiply the number of bedrooms by the perc rate as shown in Table A. Divide this number by the width of trench you wish to use (either 2' or 3' widths). This number is known as the standard length of trench. Now, if any amount of sidewall or effective material is to be used greater than 6" multiply the standard length of trench by the percent decrease in trench length as provided in Table B. Make sure you use the correct conversion for a 2' or 3' wide design based on the original calculation obtained for the standard length of trench.

### Formula

$(\# \text{ of bedrooms}) \times (\text{sq. ft. of trench}) / (\text{width of trench}) = \text{standard length of trench}$   
**and if any useable sidewall exists use**  
 $(\text{standard length of trench}) \times (\text{percent decrease in sidewall}) = \text{linear ft. req'd}$

**Table B: Decrease in length of trench based on useable sidewall (effective) of trench.**

Useable Sidewall or Effective Material	2' Wide	3' Wide
	1'	.80
1.5'	.66	.71
2'	.57	.62
2.5'	.50	.55
3'	.44	.50
3.5'	.40	.45
4'	.36	.42
4.5'	.33	.38
5'	.31	.36
5.5'	.29	.33
6'	.27	.31
6.5'	.25	.29
7'	.24	.28
7.5'	.22	.26

### REMEMBER

The minimum separation should be 6' (edge to edge) for 2' wide trenches and 9' (edge to edge) for 3' wide trenches. When using sidewall calculations for deep trench design, the minimum edge to edge separation should be no less than twice the depth of gravel plus the width and no further apart than 18' edge to edge.