

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

03-318680

P 50942

A 47210

DISTRICT 3rd

DATE 10-24-95

DATE SYSTEM APPROVED 10-27-95

INSPECTOR DKS

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

461-9933 313-2640

INDEXED

W.T. Cumberland & Company

IS PERMITTED TO INSTALL ☒ ALTER ☐

ADDRESS 16391 A.E. Mullinix Road, Woodbine, MD 21797 PHONE 854-6838

SUBDIVISION West Friendship Estates LOT 11 ROAD 3171 River Valley Chase

PROPERTY OWNER Robert & Lori Blonchek

ADDRESS

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

Manhole cleanout required if greater than 3' of cover over septic tank

LINEAR FEET OF TRENCH REQUIRED 240

TRENCHES - Trench to be 2 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 6 feet below original grade. Effective area begins at 3 feet below original grade. 3 feet of stone below distribution pipe.

LOCATION - Place distribution box 225 feet up the left (355.61') lot line and 35 feet off that same lot line as seen when facing the lot from River Valley Chase. Run trenches on contour toward the back 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 9/31/95 DKS

PLANS APPROVED BY Amy McMillen

DATE 7/25/95

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

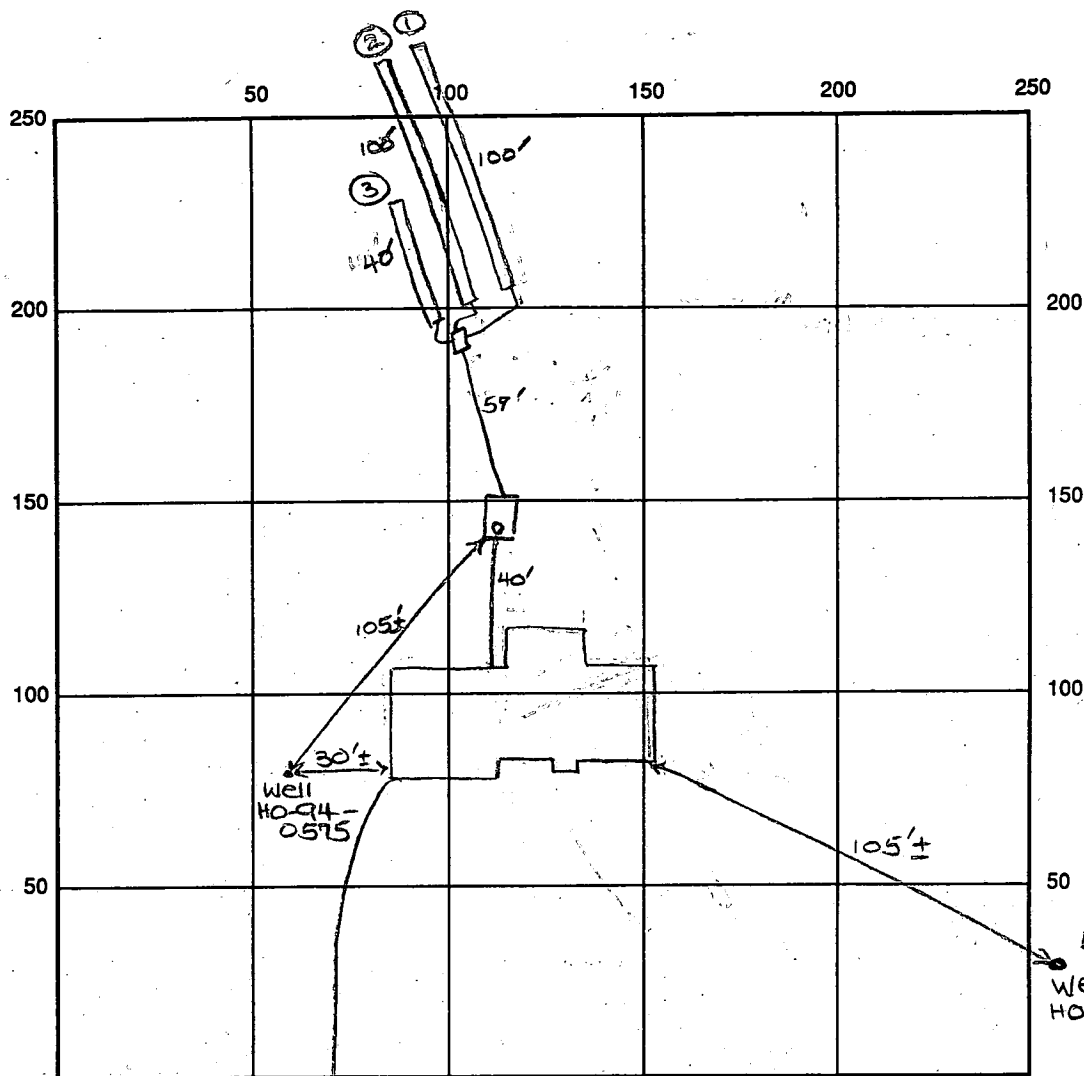
*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

HD-260(6-90)

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

Add'l on - Deck
BLDG. PERMIT SIGNED
AND RETURNED 5-2-96
Serial # 624884

A 47210



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

River Valley Chase

SEPTIC TANK LEVEL OK - 1250 gal CLEANOUTS one on st.

DISTRIBUTION BOX LEVEL OK - baffle in

DRAIN FIELD/TITLE DEPTH 6 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 3 FT. TOTAL LENGTH 240 FT. 100' 100' 40'

NUMBER OF TRENCHES 3 ONE SIDEWALL ~~AREA~~ 720 SQ. FT.

DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA 720 SQ. FT.

REMARKS: 10/25/95 TWO TRENCHES DUG, TANK SET, NO PIPE INTER, OK TO CONTINUE

10/26/95 OK TO COVER ALL TRENCHES AND CONTINUE. DKS

10/27/95 FINAL - OK TO COVER ALL WORK. DKS

DATE SYSTEM APPROVED 10/27/95 INSPECTOR Donna T. Goe

APPLICATION

PERCOLATION TESTING

A 47210

P _____

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

DISTRICT _____

DATE 6/13/91

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. Robert & Lori Blanchet

ADDRESS 11900 TECH RD, SILVER SPRING MD. 20904 PHONE JOHN REUWER 740-2100 X-291

PROSPECTIVE BUYER N/A 410-750-2842

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION WEST FRIENDSHIP ESTATES Section III LOT NO 106

ROAD AND DESCRIPTION WEST IVORY RD. & RT 32, SOUTH OF RT. 70
(3171 River Valley Chase)

TAX MAP 15 PARCEL # 42

SIZE OF LOT 3.00 AC. +/- TYPE BLDG SF-D-4Bum
(SINGLE FAMILY DWELLING OR COMMERCIAL)

BLDG. PERMIT SIGNED
AND RETURNED 7/25/95

Serial # 51-D-4Bum

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.

APPROVED BY John C. Reuwer (SIGNATURE OF APPLICANT)
FOR PERCONTEE, INC. DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

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	

REMARKS _____

TYPE OF SOIL _____

TESTED BY _____ ALSO PRESENT _____

501

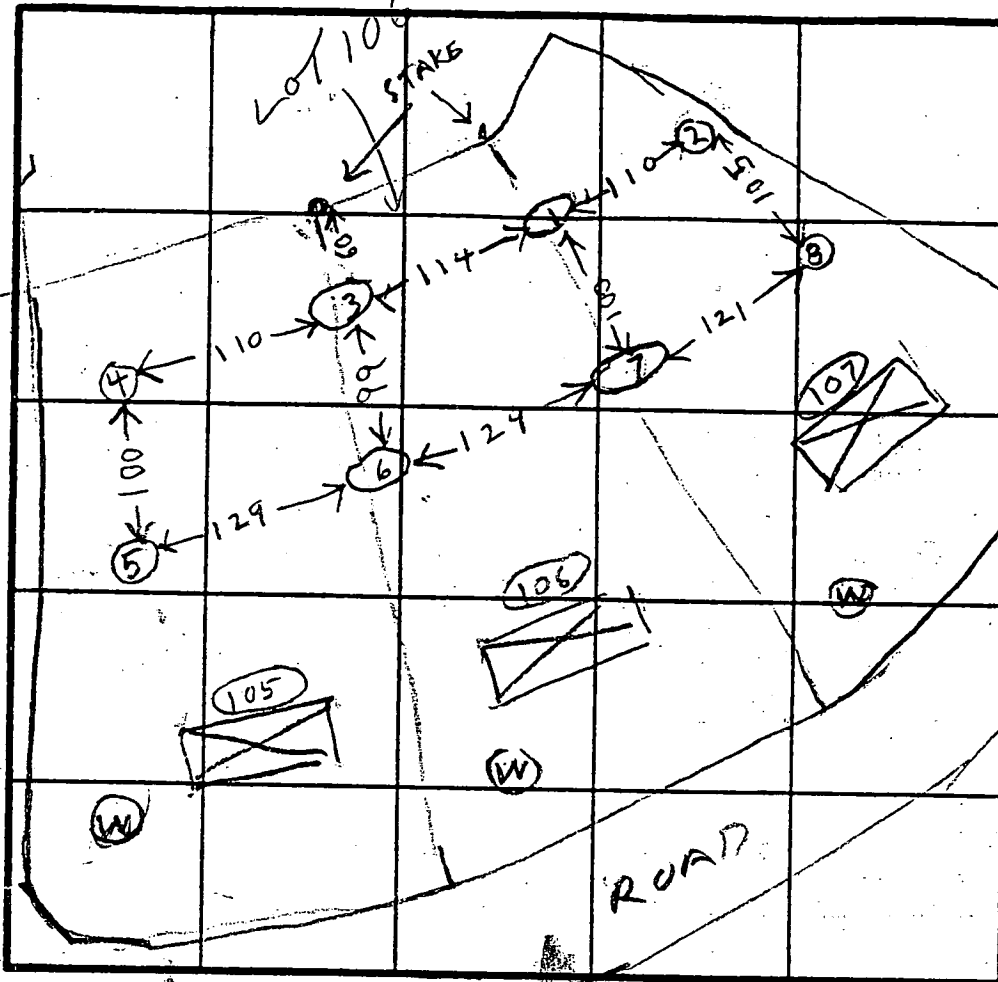
LOT 106
A 47210

ON LINE
SOIL PROFILE

BROWN
CLAY

BROWN
SAND
SILT
LOAM

ROAD



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

5
BROWN
CLAY
BROWN
SAND
SILT
LOAM

ON LINE
6

CLAY
SAND
SILT
LOAM

ON LINE
7

BROWN
CLAY
BROWN
SAND
SILT
LOAM

12

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1' DROP		TIME
			START	STOP	START	STOP	
7/22/91	15	5	1052	1055	1055	1102	7
		10.5	OK				
7/22/91	2	5	1102	1104	1104	1108	4
		10.5	OK				
	3	4	1111	1112	1112	1113	1
		10.5	OK				
	4S	5	1122	1123	1123	1124	1
	4V	11.5	OK				
	5V	1.2	OK				
	6S	4	1204	1206	1206	1209	3
	6V	7.5	1213	1205	1205	1207	1207
	6V	11	OK				
	7S	7.5	1214	1218	1218	1221	3
	7V	7.5	1217	1224	1224	1229	5
	8V	12	OK				
	9V	11 1/2	OK				

ON LINE
LOT 106
LOT 107
LOT 107

ON LINE
LOT 105

LOT 105

LOT 105

ON LINE
LOTS 105
& 106

ON LINE
LOT 7

8
BROWN
CLAY
BROWN
SAND
SILT
LOAM

REMARKS Hole 4(5) dug Per Survey on Stake Other Holes

TYPE OF SOIL dug differently

TESTED BY RAY MONROE

JOHN REWMEN
ALSO PRESENT G. KETTERMAN

ON LINE
3

BROWN
CLAY

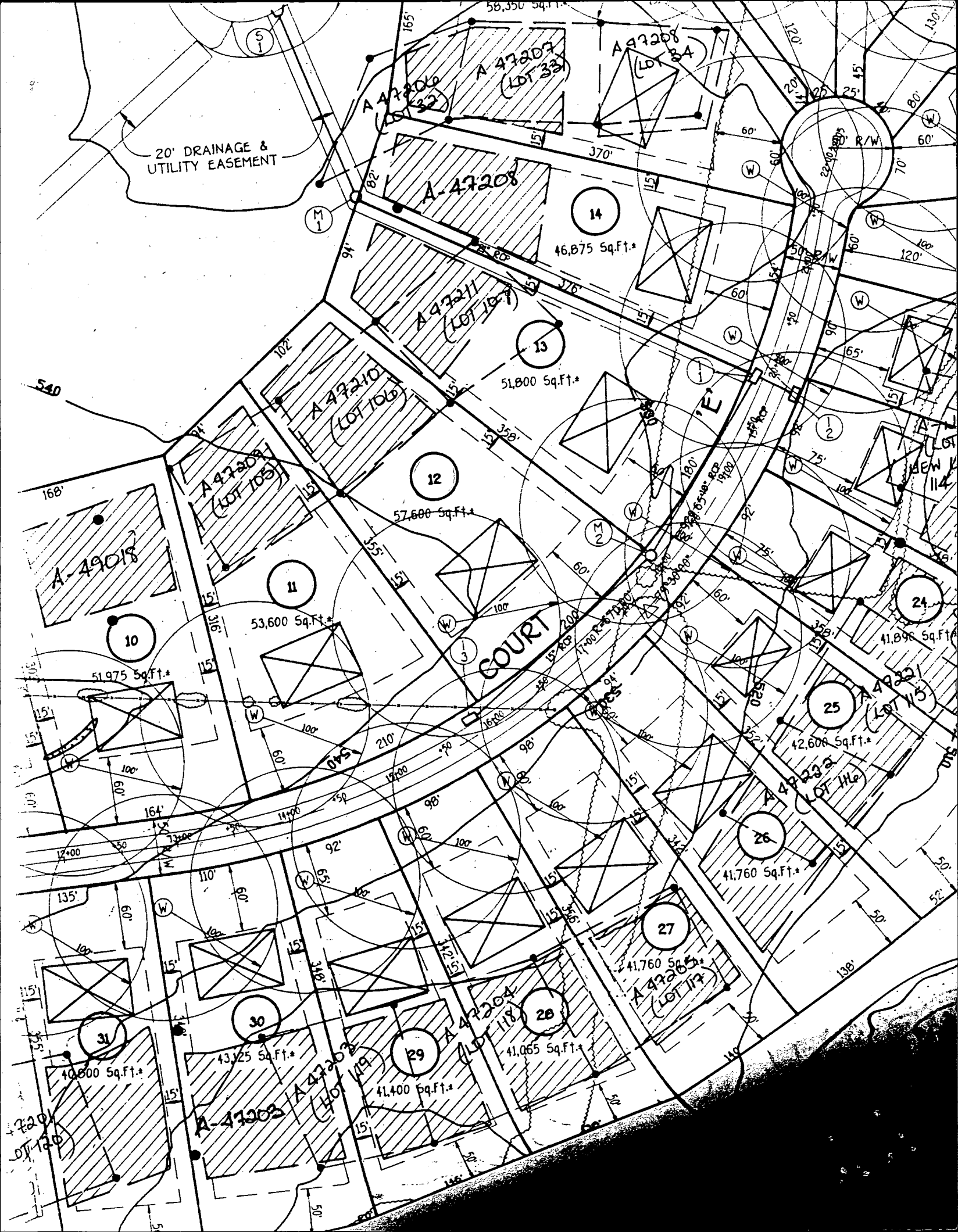
BROWN
SAND
SILT
LOAM

HARD

4

BROWN CLAY

BROWN
SAND
SILT
LOAM



C12716

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
NUMBERA# 47210

ST/CO USE ONLY
DATE Received

DATE WELL COMPLETED
070195

Depth of Well
305
(TO NEAREST FOOT)

PERMIT NO.
FROM "PERMIT TO DRILL WELL"
H0-94-0575

OWNERDORSEY BUILDERS INC.
STREET OR RFDlast nameRIVER VALLEY CHASEfirst nameTOWNW. FRIENDSHIP
SUBDIVISIONWEST FRIENDSHIP EST. SECTION1LOT11

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	2	40	✓
Sand Stone	40	50	
MICKA	50	75	
Sand Stone	75	80	✓
MICKA	80	125	
Sand Stone	125	130	✓
MICKA	130	305	

GROUTING RECORDyesno
WELL HAS BEEN GROUTED(Y)N
(Circle Appropriate Box)
TYPE OF GROUTING MATERIAL (Circle one)
CEMENT(CM)BENTONITE CLAY(BC)
NO. OF BAGS22NO. OF POUNDS2200
GALLONS OF WATER13.2
DEPTH OF GROUT SEAL (to nearest foot)
from0ft. to40ft.
(enter 0 if from surface)

CASING RECORD
casing
types
insert
appropriate
code
below
STEEL(ST)CONCRETE(CO)
PLASTIC(PL)OTHER(OT)
MAIN CASING TYPE
Nominal diameter
top (main) casing
(nearest inch!)
Total depth
of main casing
(nearest foot)
PL6355
OTHER CASING (if used)
diameter depth (feet)
inch from to

SCREEN RECORD
screen type
or open hole
insert
appropriate
code
below
STEEL(ST)BRASS(BR)OPEN HOLE(HO)
BRONZE(BL)PLASTIC(PL)OTHER(OT)

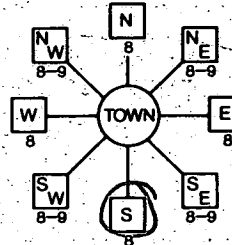
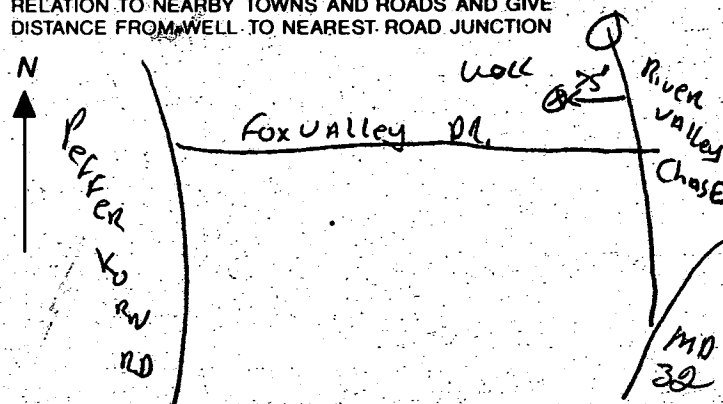
C3
PUMPING TEST
HOURS PUMPED (nearest hour)6
PUMPING RATE (gal. per min.)3
METHOD USED TO
MEASURE PUMPING RATEBucket
WATER LEVEL (distance from land surface)
BEFORE PUMPING35ft.
WHEN PUMPING120ft.
TYPE OF PUMP USED (for test)
air(P) piston(T) turbine(O)
centrifugal(R) rotary(S) submersible
jet(J)

NUMBER OF UNSUCCESSFUL WELLS:
WELL HYDROFRACTUREDyes(Y)no(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
DRILLERS LIC. NO. 116
Ruth Mayne
DRILLERS SIGNATURE
(MUST MATCH SIGNATURE ON APPLICATION)
LIC. NO. 117
Ruth E. Mayne
SITE SUPERVISOR (sign. of driller or journeyman
responsible for sitework if different from permittee)

C2
DEPTH (nearest ft.)
H053305
SLOT SIZE 1 2 3
DIAMETER OF SCREEN 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

PUMP INSTALLED
DRILLER WILL INSTALL PUMP YES(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)
PUMP HORSE POWER
PUMP COLUMN LENGTH
(nearest ft.)
CASING HEIGHT (circle appropriate box
and enter casing height)
+ above
- below
LAND SURFACE
(nearest foot)
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)
Road
Prop Line
well

W 50942

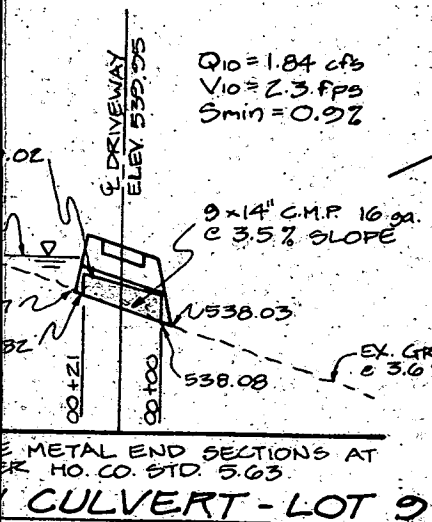
B 1 0620 THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS	SEQUENCE NO. (MDE USE ONLY) 062095 OWNER INFORMATION 062095 DORSEY BUILDERS INC. 13090 OLD FRED RD. SYKESVILLE MD 21784	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER H0-94-0575 fill in this form completely
DRILLER INFORMATION CIRCLE: MSD/MGD/MWD RALPH MAYNE Driller's Name: RALPH MAYNE (well drilling) Firm Name: 9120 Brown Church Rd. Mt Airy Address: RALPH MAYNE Signature: RALPH MAYNE Date: 6/12/95		B 3 LOCATION OF WELL HOWARD 8 COUNTY WEST FRIENDSHIP EST. 23 SUBDIVISION SECTION 1 LOT 11 WEST FRIENDSHIP 52 NEAREST TOWN MILES FROM TOWN (enter 0 if in town) 1 MI	
B 2 WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 5 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500 USE FOR WATER (CIRCLE APPROPRIATE BOX) ☒ HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) ☐ FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) ☐ INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) ☐ PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) ☐ TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)		B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  NEAR WHAT ROAD River Valley Chase ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) 25 DISTANCE FROM ROAD ENTER FT OR MI FL TAX MAP: _____ BLK: _____ PARCEL: _____	
APPROXIMATE DEPTH OF WELL 150 FEET APPROXIMATE DIAMETER OF WELL 6" INCH METHOD OF DRILLING (circle one) BORED (or Augered) ☒ JETTED ☐ Jetted & DRIVEN ☐ AIR-ROTARY ☒ AIR-PERCussion ☐ ROTARY (Hydraulic Rotary) ☐ CABLE ☐ REVERSE-ROTARY ☐ DRIVE-POINT ☐ other _____		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL HOWARD A# 47210 COUNTY NAME _____ COUNTY NO. _____ STATE SIGNATURE _____ DATE ISSUED 062095 CO SIGNATURE Charles Bryan Theaker 6/20/96 NORTH GRID 529000 EAST GRID 0808000 SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. well WRITE THE BOX NUMBER FROM THE MAP HERE 800 9 520 9 DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION 	
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) ☒ THIS WELL WILL NOT REPLACE AN EXISTING WELL ☐ THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED ☐ THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS ☐ THIS WELL WILL DEEPEMED AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) _____		SPECIAL CONDITIONS 410-550-2836	
Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROX. PERMIT NUMBER _____ FORCE CM WRITE INITIALS IN BOX PERMIT No. H0-94-0575 COUNTY			

EXISTING PAVEMENT
EARTH TABLE BERM (onion)

EXISTING PAVEMENT

ete equivalent.
n a single resi-
width at
to placing of stone.
lot.
ard construction
is impractical,
tion which will
s-of-way. This may
ditions demand
ediment. All
ights-of-way must
to entrance onto
be done on an area
diment trapping
d after each rain.

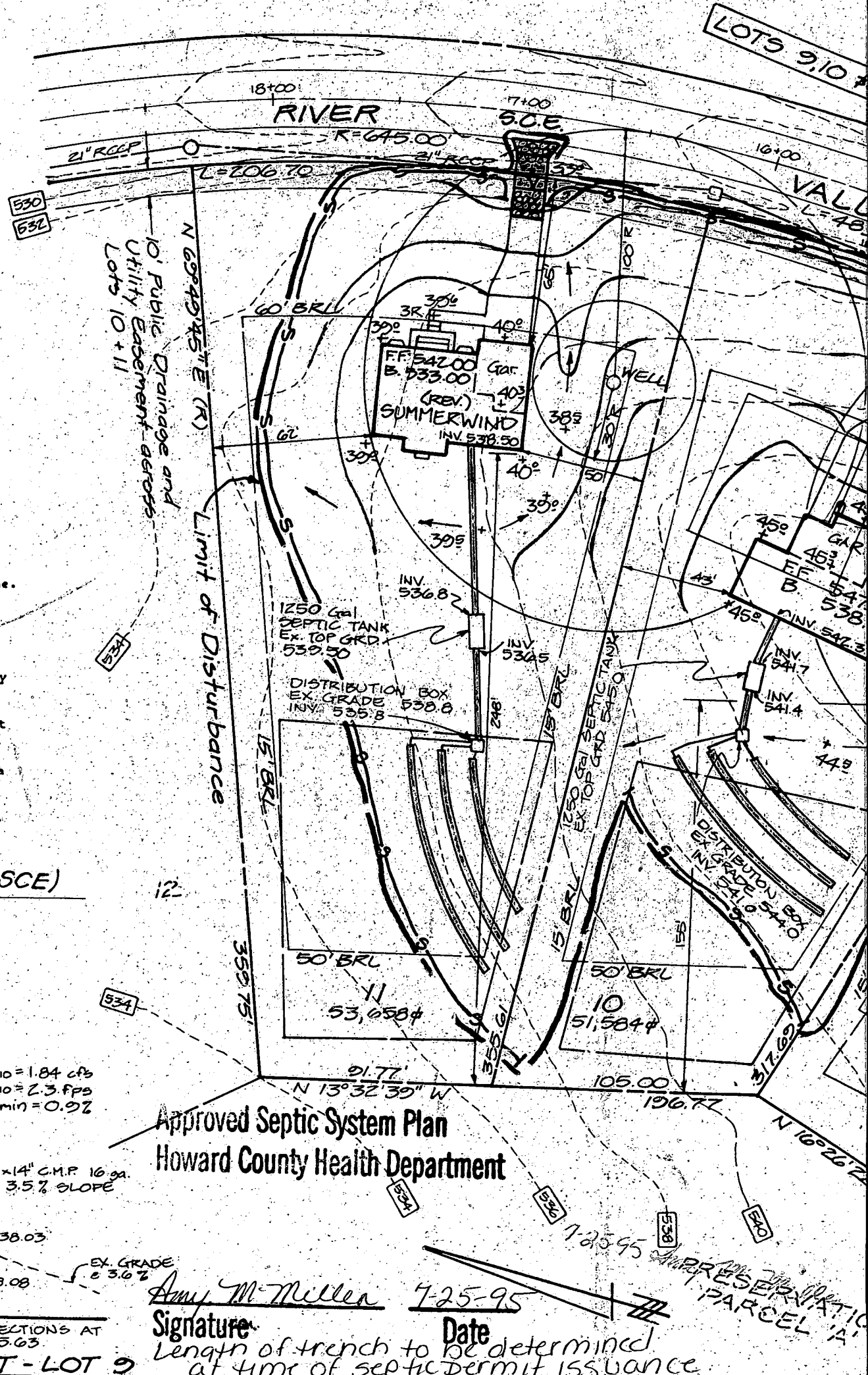
TRANCE (SCE)



$Q_{10} = 1.84 \text{ cfs}$
 $V_{10} = 2.3 \text{ fps}$
 $S_{min} = 0.92$

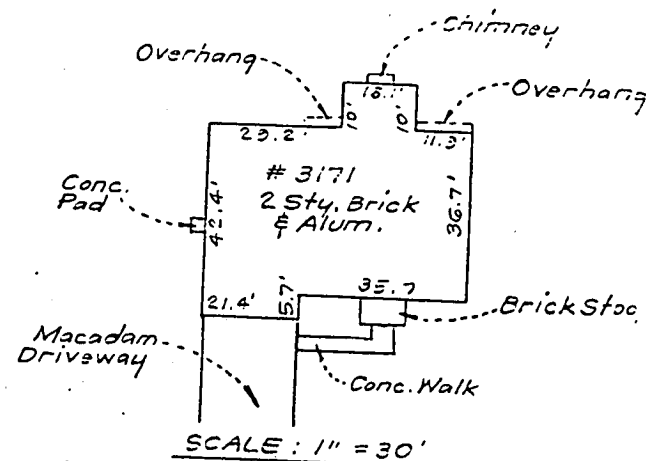
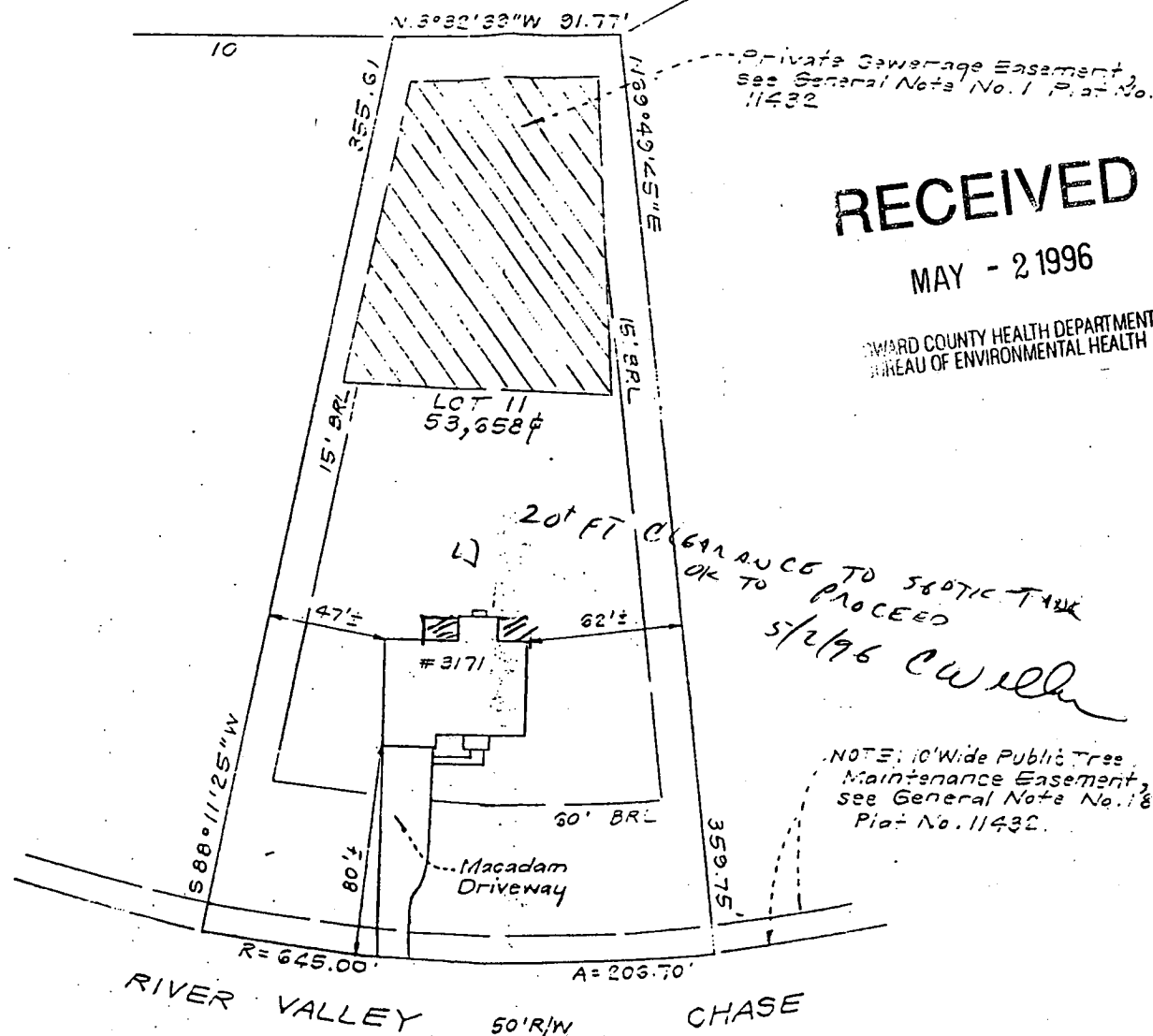
Approved Septic System Plan
Howard County Health Department

Signature: Amy M. Miller Date: 7-25-95
Length of trench to be determined
at time of septic permit issuance



MAY - 2 1996

WARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH



3171 RIVER VALLEY CHASE

LOT 11

PLAT NO 11435

PARCELS ABC & D

3RD GLETON DISTRICT

Plot Reference: Plot No. 1435

CLARK, CHRISTOPHER A. CLARK