

Tax ID - 05-409047

5/7/92 ASAP
7/1/92 noon
2/2/92 noon
8/26/92 AFT 6a 12

PERMIT

P 48084

SEWAGE DISPOSAL SYSTEM

A 37781

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

DISTRICT 5th

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

DATE 5/7/92

INDEXED

DATE SYSTEM APPROVED 7/2/92

INSPECTOR [Signature]

Van Sant Plumbing & Heating, Inc. IS PERMITTED TO INSTALL ALTER

ADDRESS 3 North Main Street, Mt. Airy, Maryland 21771 PHONE 795-6566

SUBDIVISION Clearview Estates LOT 20 ROAD 11920 Meadow Vista Way

PROPERTY OWNER N. V. Homes/James W. Bimstefer

ADDRESS _____

**BUILDING PERMIT SIGNED
AND RETURNED**
4-28-03 600 141098 - GARAGE

SEPTIC TANK CAPACITY 1500 GALLONS

NUMBER OF BEDROOMS 5

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 210 300

TRENCHES - 210 sq. ft. per bedroom. Trench to be 2.0 feet wide. Inlet 4.0 feet below original grade. Bottom maximum depth 7.5 feet below original grade. Effective area begins at 4.0 feet below original grade. 3.5 feet of stone below distribution pipe.

LOCATION - Place the first trench 220 feet off the front (234.19') lot line and 150 feet off the intersection off the left (139.37' and 94.24') lot lines as seen when facing the lot from Meadow Vista Way. Run trenches on contour toward the rear lot lines. Maintain a minimum of 100 feet to the well.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. *OK 12/7/90 [Signature]*

PLANS APPROVED BY Jane E. Nadeau cm DATE 10/12/90

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

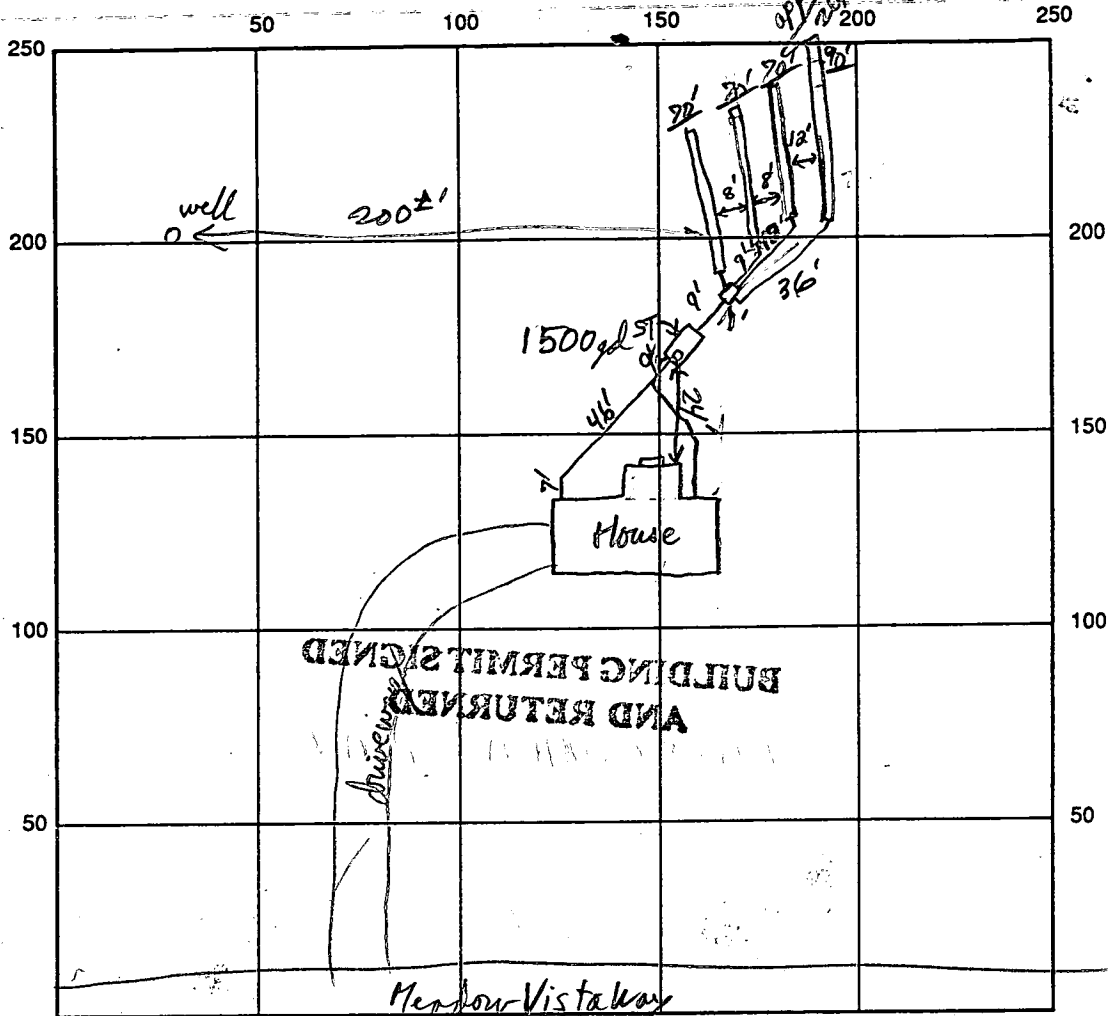
**BLDG. PERMIT SIGNED
AND RETURNED**
*6/23/92
Serial # 43701 - deck*

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**

A 37781



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 1500 gal CLEANOUTS 1 on septic tank
 DISTRIBUTION BOX LEVEL ok w/ baffle
 DRAIN FIELD/TITLE DEPTH 7 1/2 FT. TRENCH WIDTH 2 FT. INLET DEPTH 4' FT.
 EFFECTIVE GRAVEL DEPTH 3 1/2 FT. TOTAL LENGTH 70/70/70 FT = 90 **Total 300 L.F.**
 NUMBER OF TRENCHES 4 **ONE SIDEWALL BOTTOM AREA 245/245/245 SQ. FT.**
 DRYWALL INSIDE DIAMETER FT. EFFECTIVE DEPTH BELOW INLET FT.
 ABSORBENT AREA 1050 SQ. FT.

REMARKS: 5/7/92 CLARIFIED SOME PLUMBING DETAIL TO VAN SANT MR
1st 2 trenches open OK to add stone, need to finish plumbing lines; RP 7/1/92
3rd trench dug, don't let trench gravel filled & pipe laid, no pipe cover - OK to cover 1st trench
when complete. call for inspection connect of system when complete RP 7/1/92
rest of system OK to cover RP 7/2/92 Trench open - OK to fill with gravel - hit part of old barn
Foundation slab at end of 90 ft long trench (slab @ 2-2 1/2 ft below grade); RP 8/26/92 B-27-92 if extension of 15 ft

DATE SYSTEM APPROVED 7/2/92 INSPECTOR Bob Pinsky
 cannot continue, add 20 ft onto tee at front of line, B-27-92 OK to cover 4th trench, 90 ft trench completed JEN



RESOLVED
ADDITIONAL TRENCH
ADDED
8/27/92

HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

July 27, 1992

Reply to:

NV Homes - Midwest
15215 Shady Grove Road, Suite 304
Rockville, Maryland 20850
Attention: Jeff Walters

RE: Septic System Installation
Clearview Estates - Lot 20
11920 Meadow Vista Way

Dear Mr. Walters:

This is to advise that the septic system installation for the above referenced property has not yet been approved due to insufficient installed trench length. Installation of an additional 90 feet of trenches is requested to meet permit specifications. Two hundred ten feet of trench was installed, as opposed to the expected 300 feet of total trench length. Trench length (disposal field) calculations for a 5 bedroom home, taken from the permit specifications are as follows:

$$\frac{5 \text{ bedrooms} \times 210 \text{ ft}^2 \text{ effective sidewall area per bedroom}}{3.5 \text{ feet effective sidewall area (trench stone depth)}} =$$

$$\frac{5 \times 210}{3.5} = 300 \text{ feet total trench length}$$

A typographic error on the permit, specifying 210 feet total trench length may have contributed to some confusion on this issue. Never-the-less, the correct calculations were available from the detail provided on the permit. Currently, the system consists of approximately two-thirds the specified capacity for a 5 bedroom home.

Please contact me at this office if you have any questions regarding this matter, and to confirm installation plans prior to beginning any excavation. Thank you for your cooperation in this matter.

Very truly yours,

Craig Williams, Program Director
Water and Sewerage Program

CW:jr

cc: VanSant Plumbing and Heating

File

Bureau of Environmental Health
3525-H Ellicott Mills Drive Ellicott City, Maryland 21043-4544
Water and Sewerage, Permits 313-2640 Community Environmental Health 313-2642
Technical Services 313-2644 Director 313-2645 TDD 313-2323

C1 1380 SEQUENCE NO. (OEP 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 **A31774E**

Date Received (OEP use only)
DATE WELL COMPLETED
1 27 82

Depth of Well **140**
 (TO NEAREST FOOT)

PERMIT NO.
 FROM "PERMIT TO DRILL WELL"
HO-75-4092

OWNER **Lanaenfelder Conrad**
 last name first name
 STREET OR RD **1904 Clarksville Pike** TOWN **Clarksville**
 SUBDIVISION SECTION LOT

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	
SHALEY	2	10	
SAND STONE	10	20	
MICA	20	25	
SHALE	25	26	
MICA	26	38	
SAND STONE	38	39	✓
MICA	39	55	
SAND STONE	55	60	✓
MICA	60	80	
FLINT	80	82	
MICA	82	140	

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) **YES** **N**
 TYPE OF GROUTING MATERIAL
 CEMENT **CM** BENTONITE CLAY **BC**
 NO. OF BAGS **9** NO. OF POUNDS **900**
 GALLONS OF WATER **45**
 DEPTH OF GROUT SEAL (to nearest foot)
 from **0** ft. to **32** ft.
 (enter 0 if from surface) BOTTOM 58 ft.

CASING RECORD
 casing types insert appropriate code below.
ST **CO**
 STEEL CONCRETE
PL **OT**
 PLASTIC OTHER
 MAIN CASING TYPE Nominal diameter top(main) casing (nearest inch) Total depth of main casing (nearest foot)
ST **6** **35**

OTHER CASING (if used)
 diameter inch depth (feet) from to
 E A C H C A S I N G

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

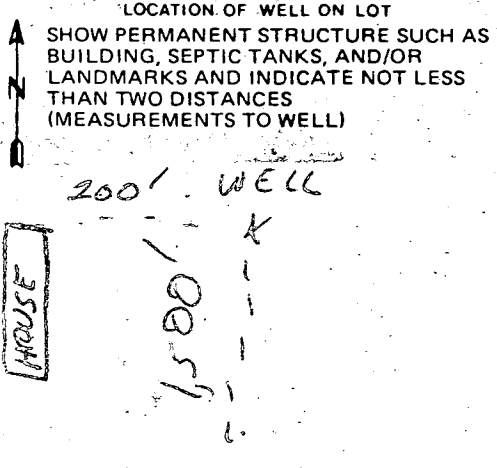
C2 (seq. no.)
 DEPTH (nearest ft.)
HO **33** **140**
 E A C H S C R E E N

CIRCLE APPROPRIATE BOX
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 10.17.13 "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. **70**
 DRILLERS SIGNATURE **George D. Carter**
 (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 CIRCLE BOX **F**
 OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)
 T (E.R.O.S.) W Q
70 **72** **74** **75** **76**
 TELESCOPE LOG OTHER DATA
 CASING INDICATOR

C3 (seq. no.)
PUMPING TEST
 HOURS PUMPED (nearest hour) **2**
 PUMPING RATE (gal. per min. to nearest gal.) **12**
 METHOD USED TO MEASURE PUMPING RATE **BUCKET**
 WATER LEVEL (distance from land surface)
 BEFORE PUMPING **35**
 WHEN PUMPING **140**
 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 YES **N**
 DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX) **Y** **N**
 IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE
 TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: (A, C, J, P, R, S, T, O))
 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)



STATE OF MARYLAND
PERMIT TO DRILL WELL

OEP PERMIT NUMBER

HO-73-4092

fill in this form completely

B 1 4929 SEQUENCE NO. (OEP USE ONLY)

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

Date Received 1/27/82 11:30 A.M. (OEP Use Only)

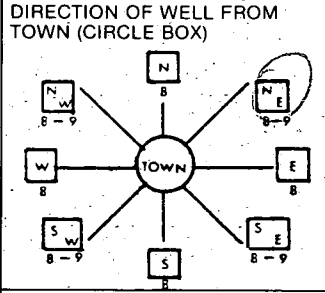
OWNER INFORMATION
LANGEFELDER CONRAD
17904 CLARKSVILLE PK
CLARKSVILLE MD 21029

LOCATION OF WELL
COUNTY HOWARD
SUBDIVISION
SECTION 23 LOT 42
NEAREST TOWN CLARKSVILLE
MILES FROM TOWN 2

B 1 Continued DRILLER INFORMATION

George E. Easterday
L.E. Easterday Inc.
9205 Brown Cullen Rd, Mt Airy, Md 21771
Signature: George E. Easterday Date: 12/9/81

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Rt. 108
NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
WEST EAST SOUTH NORTH
1500
DISTANCE FROM ROAD

B 2 WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER
1.
2.
3.
WRITE THE BOX NUMBER FROM THE MAP HERE
E 820
N 500

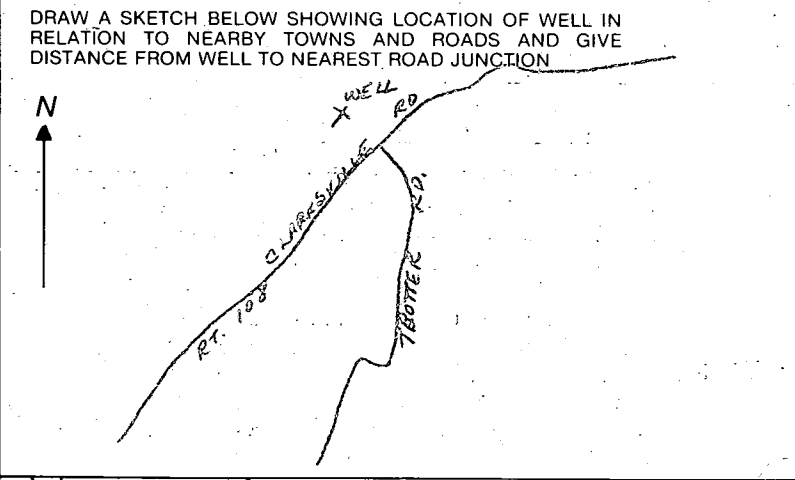
35' casing
x2' - above gr.
32' - open
9' - bags cement
1/27/82 JS
Location OK

USE FOR WATER (CIRCLE APPROPRIATE BOX)
D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
P PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)
T TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

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



REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)
N THIS WELL WILL NOT REPLACE AN EXISTING WELL
Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY
D THIS WELL WILL DEEPEM AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41

B 4 NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
HOWARD COUNTY NAME
431779 COUNTY NO.

Not to be filled in by driller (OEP USE ONLY)
APPROX. PERMIT NUMBER GAP
FORCE 15 INITIALS IN BOX PERMIT No. 60-73-4092

OEP SIGNATURE STATE HEALTH CIRCLE BOX
DATE ISSUED 12/24/81
CO SIGNATURE Frank Skinn
NORTH GRID 507 EAST GRID 0821 EXPIRES 062482

B 5 SPECIAL CONDITIONS 8-63

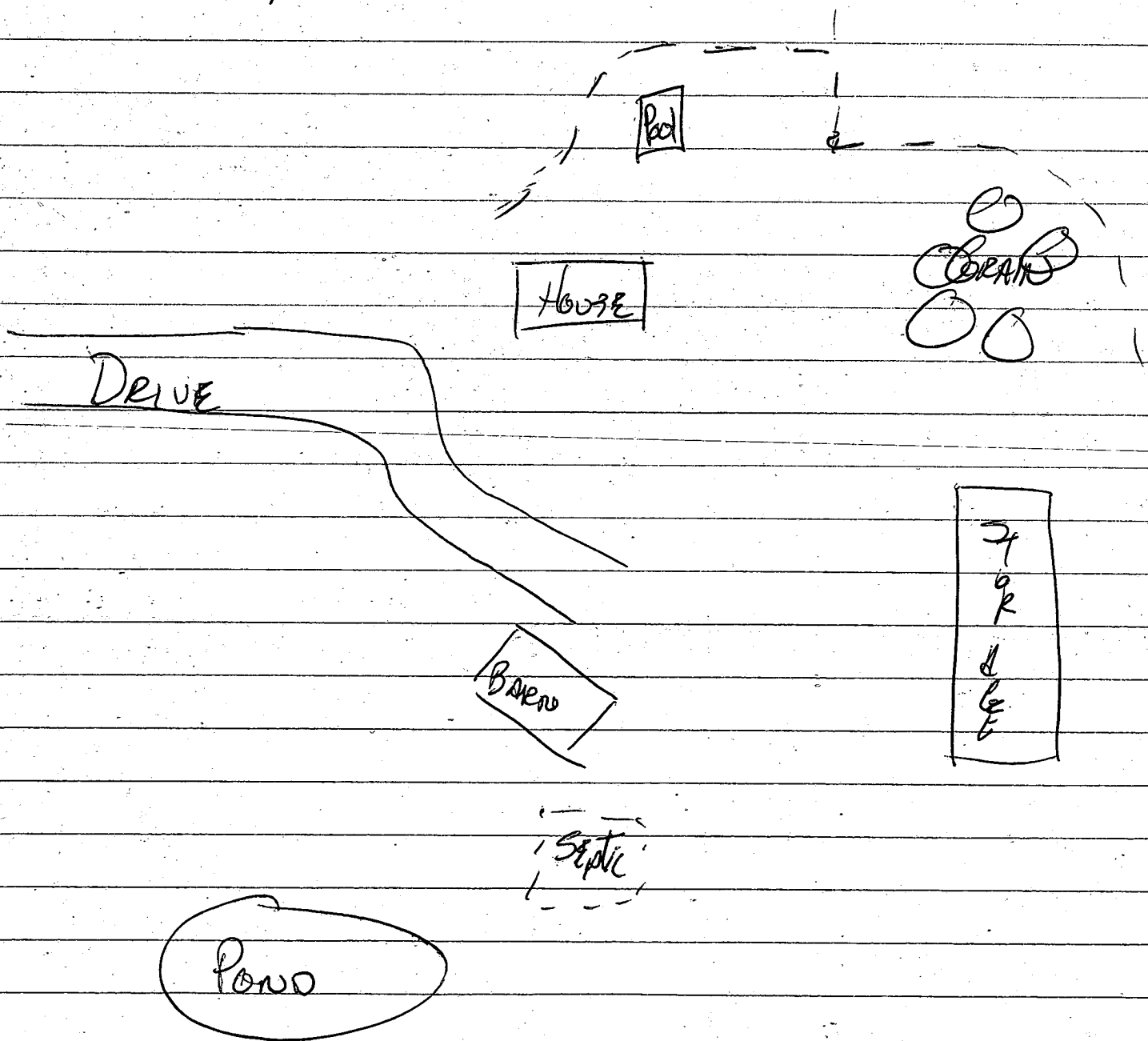
LANGENFELDER

11904 Clarksville Pike

Well will supplement
already existing supply but
will not service house

WELL AREA

SK 12/23/81



Clearview Estates Section 1

Lot-20

11920 Meadow Vista Way

8-20-90

Met with Walter A. Gowen of Elm Street Development, Inc. on site at 10:30 am. We walked over the area of the barn location.

1. The surface soil was very soft underfoot and had been graded to a gradual slope.
2. ~~The~~ The location of the barn covered about two thirds of the recorded sewage disposal area.
3. Mr. Gowen indicated that the existing septic system had been abandoned (pumped by Jack Fyock and concrete tank collapsed and filled by the building contractor). The approximate location of this tank was near the old percolation test hole B, inside the sewage disposal area.
4. According to Mr. Gowen, the barn floor was a 4 inch slab on grade with several levels to it. A cinder block wall (6 feet \pm high) separated the two floor levels. The concrete slabs and block wall were removed disturbing 1 foot to 2 feet of soil below grade. The area was then "dressed up" afterward.

5. The old well near the house had been dry and was abandoned by George Easterday.
6. The existing well (HO-73-4092) was drilled in 1982 by Easterday as a farm standby. The casing is 1 foot 7 inches above grade. According to Mr. Gowen the well is 140 feet deep and contains 35 feet of casing. It was grouted January 27, 1982. Adjacent to the well is a 6 feet deep (\pm) cinder block pit which contains a pump tank and lines which are connected to the well. No pitless adaptor was evident.

Due to the location of the existing (abandoned) septic tank and trenches of unknown construction and the disturbance to soil in the sewage disposal area, it is strongly recommended that another 10,000 square foot area be perc tested. (Septic tank and system must be located if existing sewage disposal area is to be used. An exploratory hole(s) would be required to establish the depth of disturbance at the barn location.)

A well abandonment report is required from the driller for the old well near the house that was razed.

The existing well (H0-73-4092) would have to be brought into compliance with today's standards and regulations. A submersible pump and pitless adaptor is required as well as abandonment of the pump tank pit.

Jane Nadeau
823-90

WELL ABANDONMENT REPORT

Date: 7-6-90

PERMIT NUMBER OF ABANDONED WELL (if any)

		-			-			
--	--	---	--	--	---	--	--	--

DRILLER'S NAME Simmons hester
 LAST FIRST

WELL NO-73-4092

OWNER'S NAME N V Land
 LAST FIRST

WELL LOCATION:

COUNTY: Howard
 SUBDIVISION: Clearview Estates
 SECTION: 1 LOT: 20
 NEAREST TOWN: Clarksville
 ADDRESS: Shephards Ln + Rt 108

X	0/5	5/5
	0/0	5/0

MARYLAND GRID LOCATION:

E	821
N	508

SHOW WELL LOCATION BY (X) WITHIN BOX

TYPE OF WELL

- DRILLED
- JETTED
- BORED OR AUGERED
- OTHER, SPECIFY Hand Dug

DEPTH OF WELL 30 FT,

TYPE OF CASING

- STEEL
- PLASTIC
- CONCRETE
- OTHER, SPECIFY Stone Wall

SIZE OF CASING 4 FT. IN.

WAS ANY CASING REMOVED YES NO
 IF YES, AMOUNT REMOVED _____ FT.

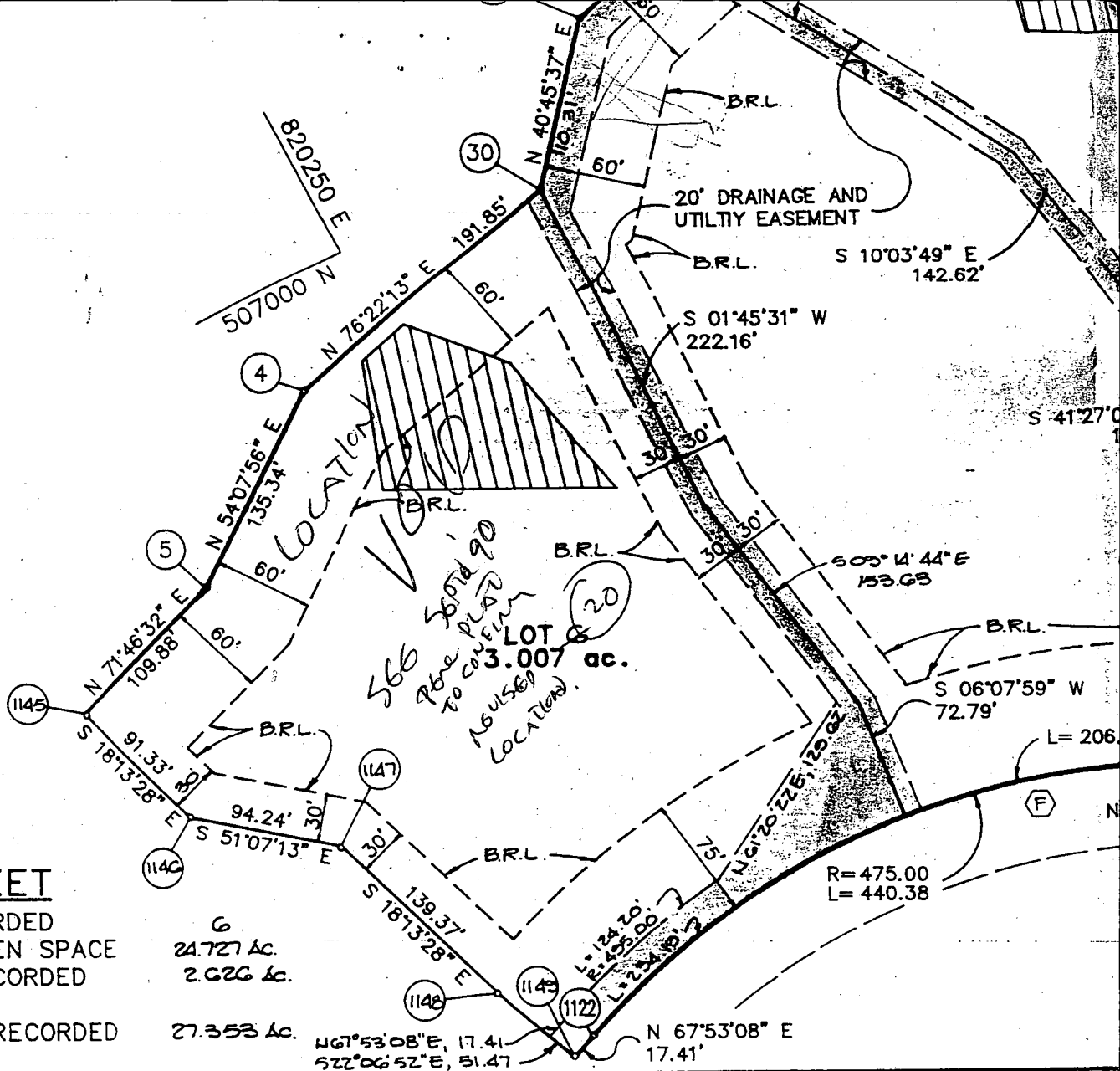
WAS CASING RIPPED OR PERFORATED YES NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
<u>Cement Backfill</u>	<u>30</u>	<u>25</u>
	<u>25</u>	<u>0</u>

DRILLER Zesta Simmons
 SIGNATURE

LICENSE# MW D 307



ON THIS SHEET

- LOTS TO BE RECORDED
- STREETS INCLUDING OPEN SPACE
- ROADWAYS TO BE RECORDED
- UTILITY STRIPS.
- ADJACENT SHEET TO BE RECORDED

HOWARD COUNTY WATER AND PRIVATE HEALTH DEPARTMENT

[Signature] 8/24/88
OFFICER DATE

PLANNING AND ZONING DEPARTMENT
8.30.88
DATE

DRAINAGE SYSTEMS AND COUNTY DEPARTMENT OF
8/26/88
DATE

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF THAT THE FINAL PLAN SHOWN HEREON IS CORRECT. THAT IT IS A SUBDIVISION OF PART OF THE LANDS CONVEYED BY MARTHA V. LANGENFELDER, CONRAD J. LANGENFELDER, JR. AND PATRICA ANN LANGENFELDER TO CLEARVIEW ASSOCIATES LIMITED PARTNERSHIP, BY DEED DATED FEBRUARY 1, 1988 AND RECORDED IN THE LAND RECORDS OF HOWARD COUNTY IN LIBER 1780, FOLIO 692, AND THAT ALL MONUMENTS ARE IN PLACE OR WILL BE IN PLACE PRIOR TO THE ACCEPTANCE OF THE STREETS IN THE SUBDIVISION BY HOWARD COUNTY AS SHOWN IN ACCORDANCE WITH THE ANNOTATED CODE OF MARYLAND AS AMENDED.

[Signature]



PROFESSIONAL LAND SURVEYOR #10751
THE RIEMER GROUP, INC.

DATE

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 37781
P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P. O. BOX 473 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

DISTRICT _____
DATE 10/9/86
June 30, 1986

*LOCATION VOID
SEE TEST OF 9/18/86 CW*

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 Conrad J. and Patricia Langenfelder Martha V. Langenfelder
11904 Clarksville Road 5511 Hamilton Avenue
ADDRESS Clarksville, Maryland 21029 PHONE Baltimore, Maryland 21206

PROPERTY LOCATION: _____

*20 on Final
16 10/9 Prelim*

SUBDIVISION ~~Langenfelder Farm~~ Clearview Est. Sec. 1 LOT NO. 8 EXISTING HOUSE

ROAD AND DESCRIPTION Maryland Route 108 and Shepherd Lane

SIZE OF LOT 3.4 AC. TYPE BLDG. Residential - EXISTING
(NUMBER OF BEDROOMS)

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.

Steven Murray
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

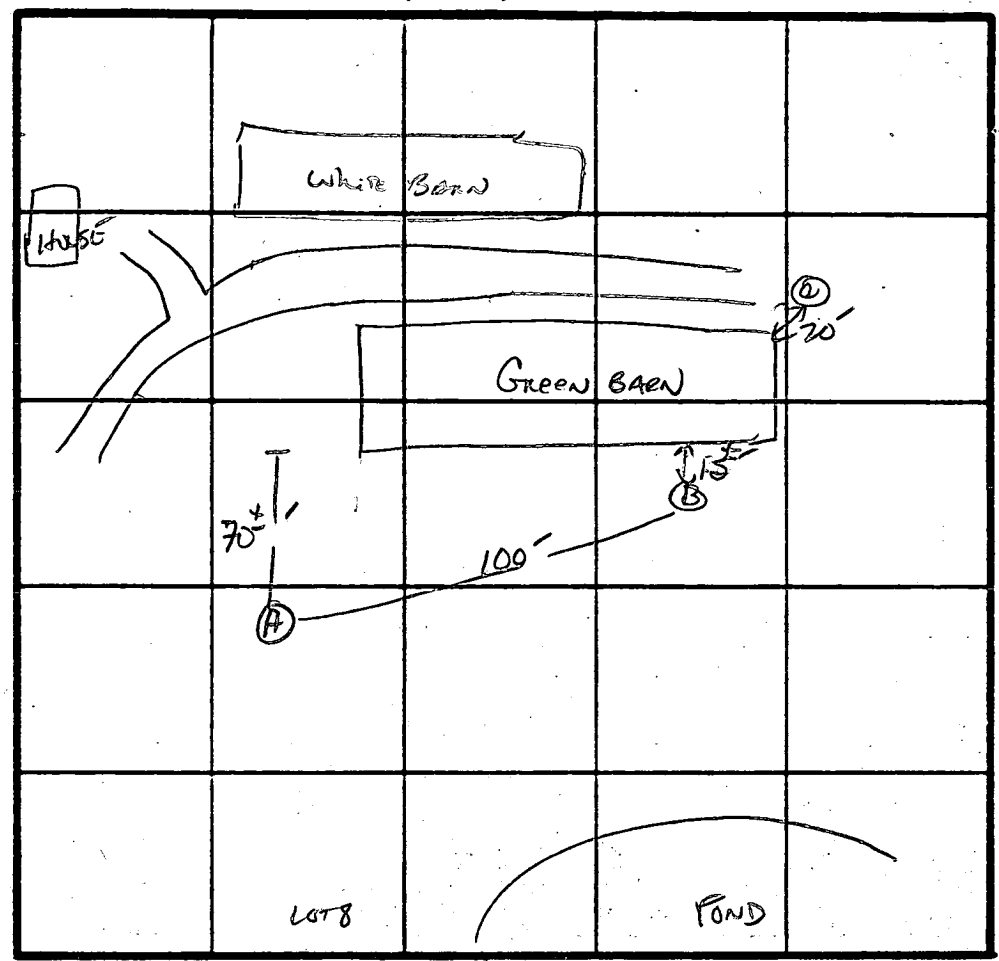
HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT

ⓐ ⓑ ⓓ
SOIL PROFILE

0
6"
3'
AP
Yellow BR
Si H loam
9-12% clay
20% frags
Tan → yell.
BR. SAND
Lo AM.
10-15%
fragments
Dry to
Bottom



NO X PERC
INLET 3"
BOTTOM 8"
180 #/BK
ON REPAIRS

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
Rt 108

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11/7/88	A ✓	13"	UNIFORM	soil below 3"	✓		
	B ✓	12"	UNIFORM	soil below 4"	✓		
	C ✓	12.5"	UNIFORM	soil below 4"	✓		

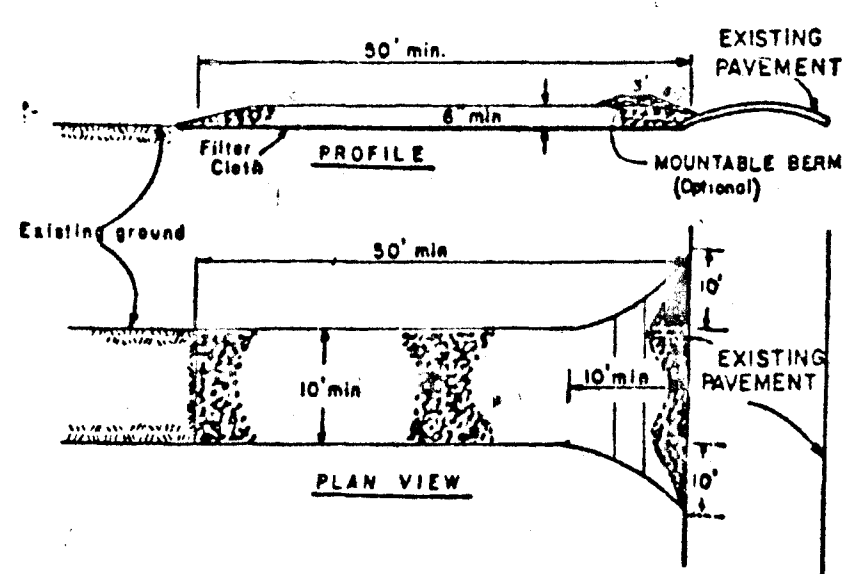
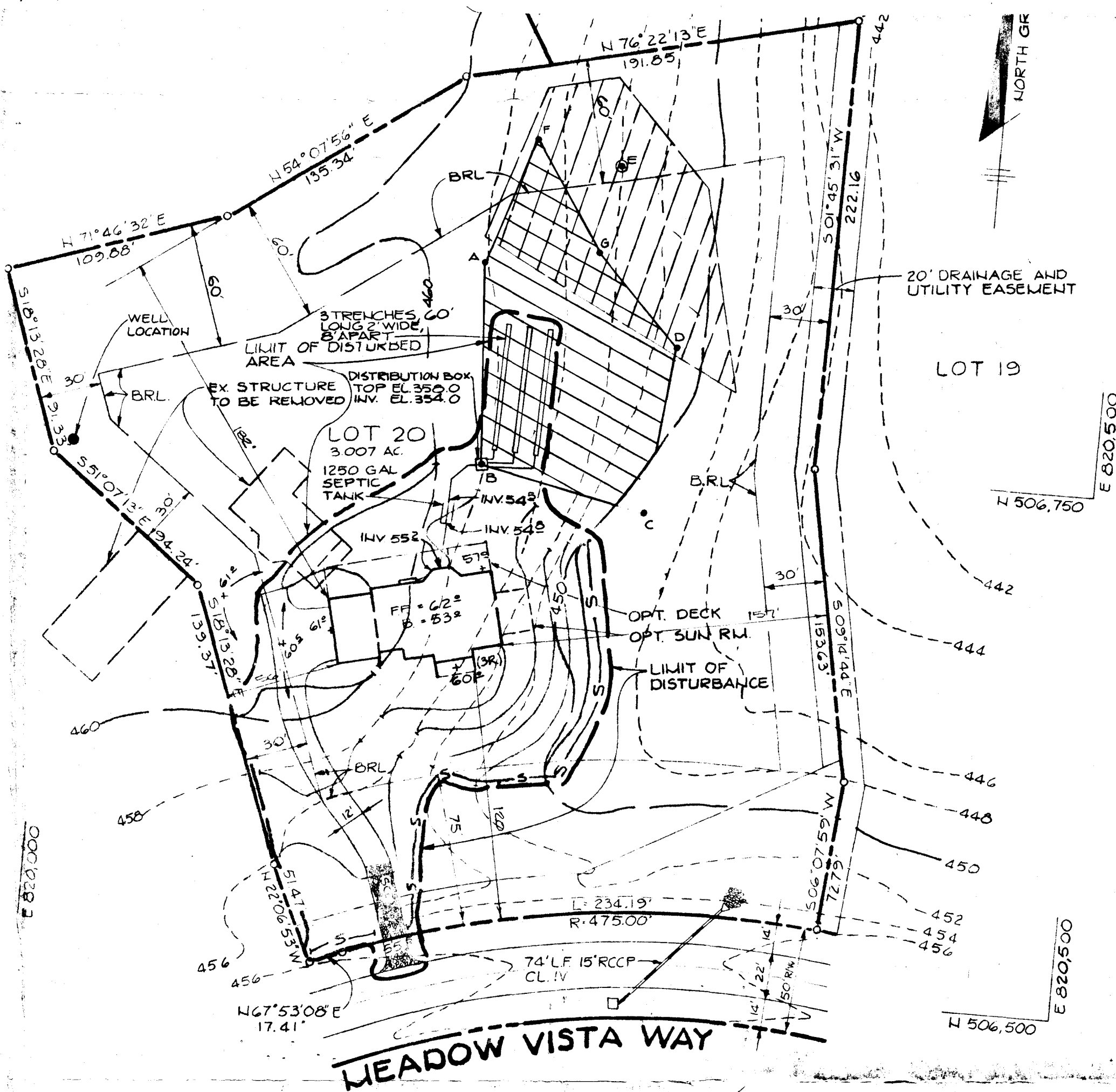
REMARKS Shallow Cyst. Repairs

TYPE OF SOIL Chesler loam

TESTED BY S. Alay

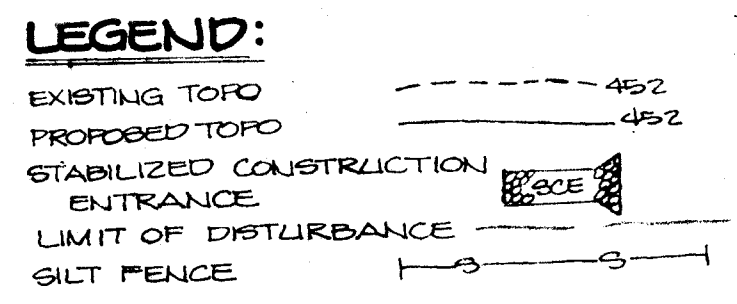
ALSO PRESENT James Madoc
Allen Brockhoe

EIP 12 10/9



- CONSTRUCTION SPECIFICATIONS**
1. Stone Size - Use 2" stone, or reclaimed or recycled concrete equivalent.
 2. Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
 3. Thickness - Not less than six (6) inches.
 4. Width - Ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs.
 5. Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
 6. Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 slopes will be permitted.
 7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.
 8. Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
 9. Periodic inspection and needed maintenance shall be provided after each rain.

STABILIZED CONSTRUCTION ENTRANCE
NO SCALE



NOTE: BASEMENT WILL NOT SEWER BY GRAVITY

- PASSED PERC TEST
- ⊙ FAILED PERC TEST

... IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREAS AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF HEALTH AND MENTAL HYGIENE.

PERC HOLES WERE FIELD LOCATED BY RIEMER MUEGGE & ASSOC., INC. ON SEPTEMBER 20, 1990.

DATE	NO.	REVISION
OWNER/DEVELOPER		
CLEARVIEW ASSOCIATES LIMITED PARTNERSHIP % RANDALL CONSTRUCTION Co. INC 5501 TWILY KNOLLS ROAD SUITE 102 COLUMBIA, MARYLAND 21045		
PROJECT		
CLEARVIEW ESTATES SECTION ONE LOT 20		
AREA: MAP 29#35 PARCEL 39#40 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND		
TITLE		
PERC CERTIFICATION FLAT		
RIEMER MUEGGE & ASSOCIATES, INC. A Land Planning, Engineering and Consulting Firm 3105 North Ridge Road Elicott City, Maryland 21043 301-461-2690 FAX: 301-750-3176		
7-26-90 DATE	DESIGNED BY L.J.G.	
	DRAWN BY JAB	
	PROJECT NO. 480006	
	DATE SEPT 24, 1990	
	SCALE: 1" = 50'	
	DRAWING NO. 1 OF 1	

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.
HOWARD COUNTY HEALTH DEPARTMENT.
Joseph M. Zardus 10-18-90
HOWARD COUNTY HEALTH OFFICER JN DATE

D SHALL CONFORM TO HOWARD
TO HOWARD COUNTY PLUMBING

APPLICATION

PERCOLATION TESTING

A 37781

P _____

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

DISTRICT _____

DATE _____

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 Clearview Association Ltd. Partnership James W. Bemstefer
ADDRESS 5501 Twin Knolls Rd, Suite 102 PHONE 964-1777
Columbia, MD 21045

PROSPECTIVE BUYER _____
ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Clearview Estates LOT NO. 20 Reperc
ROAD AND DESCRIPTION 11920 Meadow Vista Way Section 1
(off Route 108 across from Trotter Road)

TAX MAP 29 PARCEL # 39940

SIZE OF LOT 3.4 acres TYPE BLDG. SFD
(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 9-18-90 Pending plat approval. JEN

BLDG. PERMIT SIGNED
AND RETURNED 3/11/92
Legal #41447 - SFD
5 Bedrooms

BLDG. PERMIT SIGNED
AND RETURNED 12/5/90
SFD 5 Bedrooms
VOLD
EXPIRED

HD-216

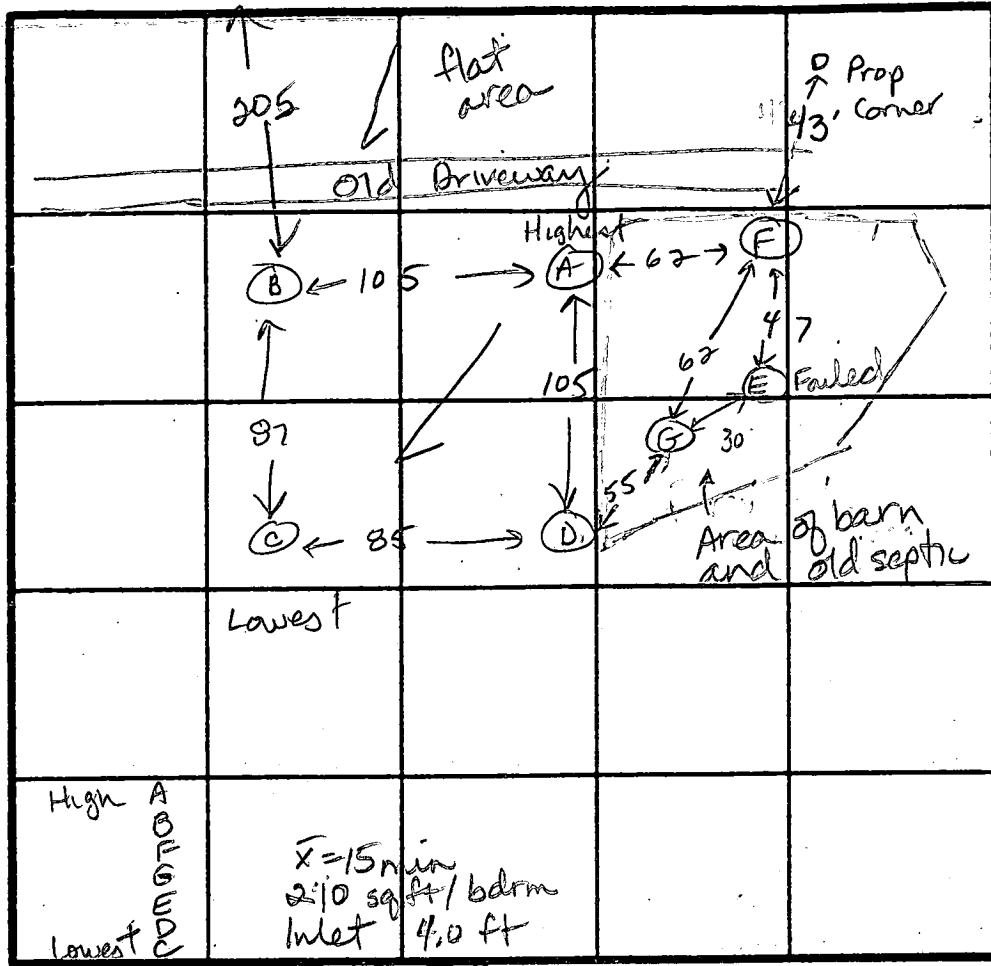
THIS IS NOT A PERMIT

A 37781

(B) SOIL PROFILE

0-2.0 Dk br s.c.l
 2.0-12.5 Tan sa s.l
 12.5 Bottom
 Meadow Vista Way

(W) Existing well.



(E)
 0-3 Fill
 3-7± Burned organics, stone, etc.

(F)
 0-3.5 Br s.c.l organics fill
 3.5-5.0 Br s.c.l
 5.0-7.0 Tan sa s.l
 7.0 Bottom

(G)
 0-2.0 Br s.c.l gravel-fill
 2.0-3.5 Br, black organics s.c.l
 3.5-11.0 Br sa s.l, trace of broken rock < 20%
 11.0 Bottom

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Bottom 7.5 ft

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9-18-90	B	3.5 ±	10:09:50	10:11:6	10:11:6	10:24	8 min
		12.5 D	Bottom - dry				ok
	C	4.0 ±	10:11:05	10:19	10:18	10:38	20 min
		12.0 D	Bottom - dry		one side of pit showed deep clay		Marginal
	D	3.0 ±	10:12:40	10:19	10:18	10:22	4 min
		11.5 D	Bottom - dry				ok
	A	5.0 ±	10:24:32	10:26	10:26	10:30	4 min
		13.5 D	Bottom - dry				ok
	E	7± V	Fill - organics				Failed
	F	7.0 V	(Top 5.0 ft poor, OK below 5 ft)				ok
	G	11.0 V	(Top 3.5 ft poor soil, fill)				ok

REMARKS C & D moved from flat, recommend stay 15 ft uphill from C

TYPE OF SOIL 0-3 Br s.c.l, 3-12 Tan sa s.l

TESTED BY Jane E. Nadeau ALSO PRESENT Jack Frock, Rick Walter Gowen

(C)
 0-2.5 Dk br s.c.l
 2.5-12.0 Br-white sa.c.l, veins of orange decomposed rock frags < 15%
 12.0 Bottom

(D)
 0-2.0 Br s.c.l
 2.0-11.5 Tan sa s.l
 11.5 Bottom

(A)
 0-1.5 Br st, some stone fill
 1.5-4.5 Br c.s.l
 4.5-13.5 Br sa s.l
 13.5 Bottom

MEMO

Walter Gowan (604-1552) of Elm Street Development called re: Clearview Estates, Lot-20

His boss asked him to find out why we requested a new SDA be perc tested when they had an approved area already.

I explained that the Health Dept. had not been present for the removal of the barn and we had no confirmation of what amount of soils had been disturbed. The existing tank was located in the SDA and we have no knowledge of the location of any connected trenches or a drywell.

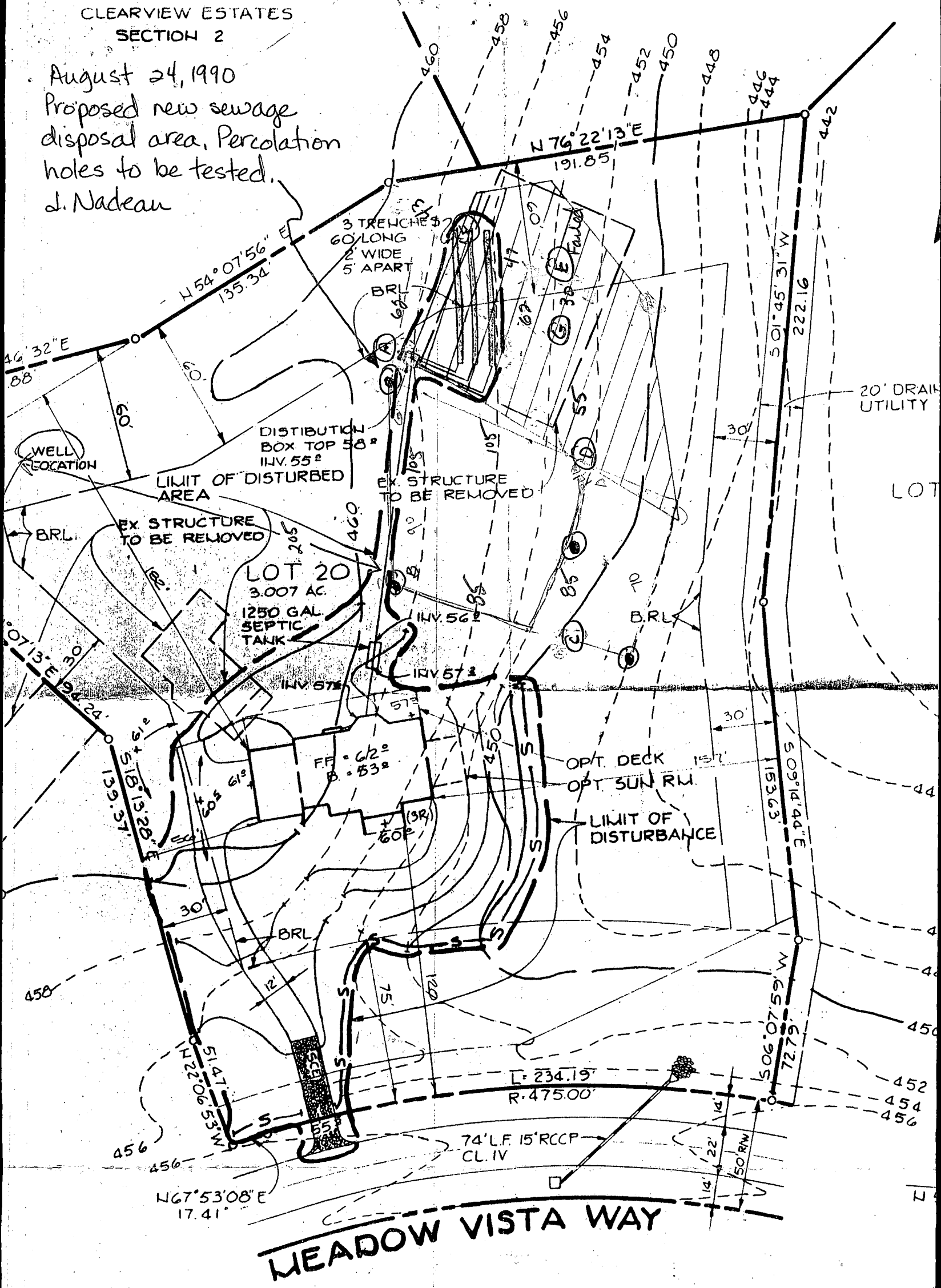
Mr. Gowan stated that they had no knowledge that anyone needed to observe the razing of the barn since they purchased it from another party.

I explained that the Health Department had to have confirmation of how much soil had been damaged by the barn removal and areas containing existing trenches or drywell.

8/27/90 JN

CLEARVIEW ESTATES
SECTION 2

August 24, 1990
Proposed new sewage
disposal area, Percolation
holes to be tested,
J. Nadeau



LEGEND:

- EXISTING TOPO
- PROPOSED TOPO
- STABILIZED CONSTRUCTION ENTRANCE
- LIMIT OF DISTURBANCE
- SILT FENCE

Scale: 1" = 50'

NOTE: BASEMENT WILL BE BY GRAVITY

Clearview Estates Lot-20
Section 1

8-20-90

Old septic tank (concrete) pumped by
Fyock. Collapsed by contractor.

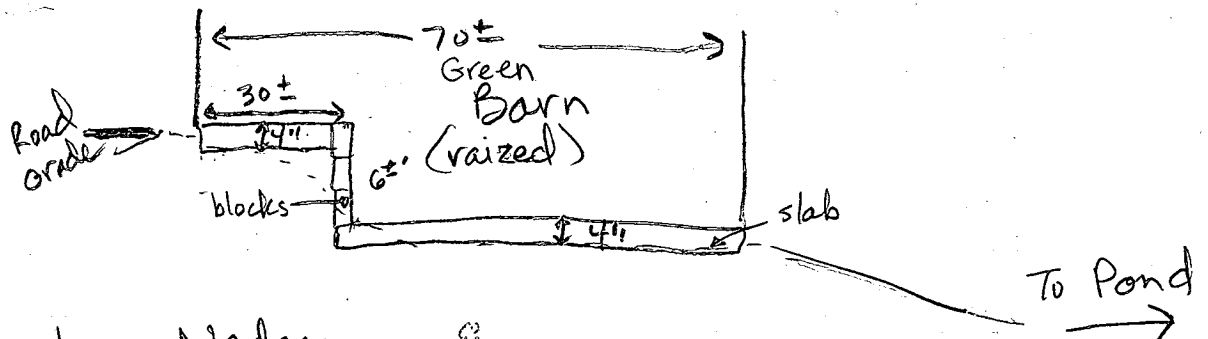
Existing well (dry) near old farm house
was abandoned by Easterday and filled
w/ concrete. Abandonment report necessary

Existing well Ho-73-4092 Farming standby
1'7" above grade
140 ft deep 35 ft casing
1982± drilled by Easterday

Pump pit 6 ft deep next to well
with pump tank & lines connecting to well.

Property corner 13.5 ft from well.

Old barn-raized;
Probably disturbed existing grade 2 ft
or less when removing 4 in slab set
on cinder block wall. Grade varied under barn.

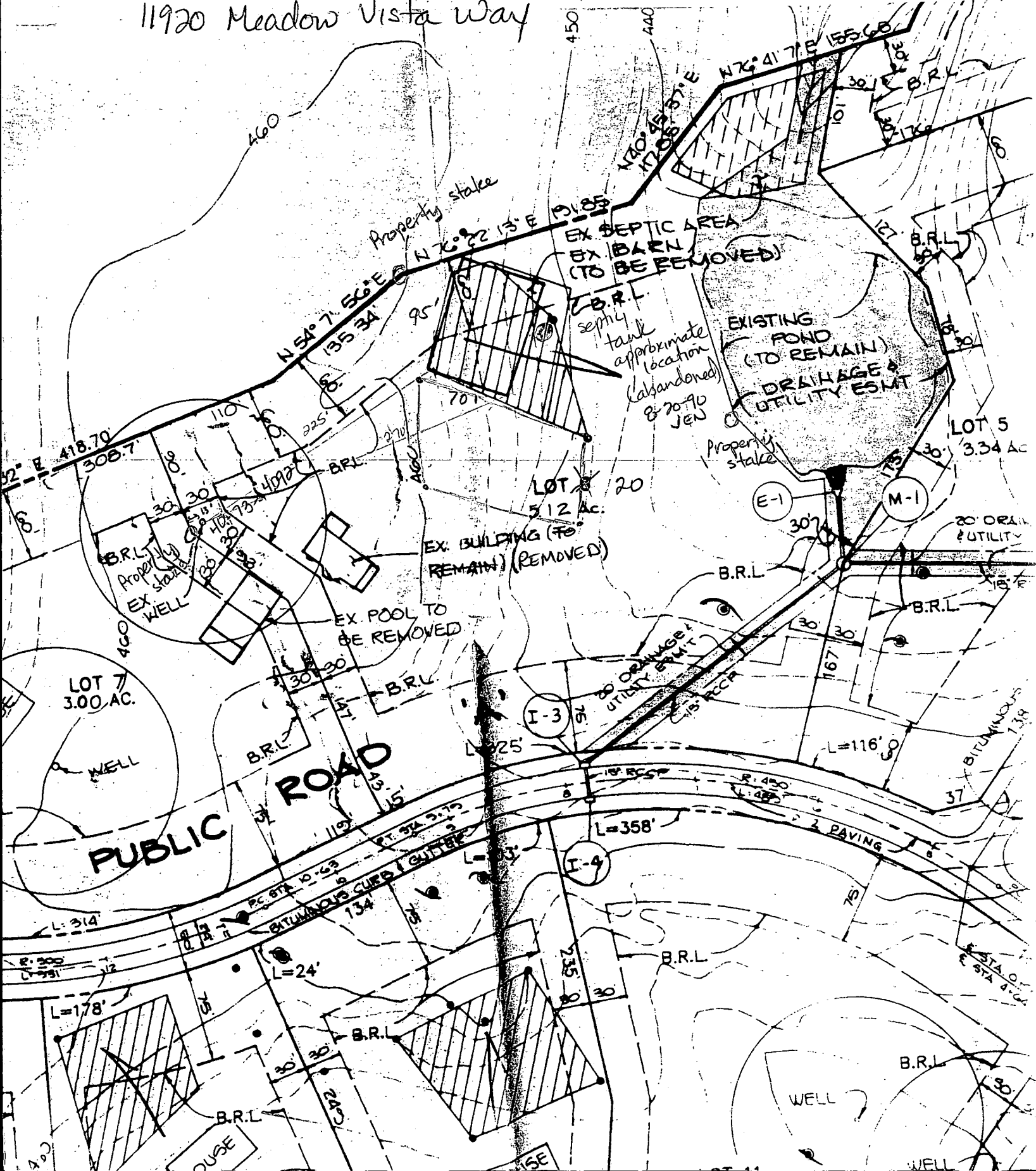


Jane Nadeau

3

Needs current construction w/ submersible pump
and pitless

Clearview Estates
 Lot-20 Section 1
 11920 Meadow Vista way





HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

August 13, 1990

Reply to:

TO: Randall Construction Co., Inc.
5501 Twin Knolls Road, Suite 102
Columbia, Maryland 21045

FROM: Craig Williams, Director *C.W.*
Water and Sewerage Program

RE: Building Permit Application
Serial Number: 34264
Clearview Estates - Lot 20
11920 Meadow Vista Way

This office has received the building permit #34264. We are unable to approve your permit for the following reason(s):

1. Proposed septic system location is inaccessible. Barn must be removed under supervision of this office to determine that soil conditions are not impacted.
2. Trench design to be reviewed after completion of above.
3. Existing septic system must be located and properly abandoned.
4. Well HO-73-4092 must pass visual inspection for structural integrity.

If you should have any questions relative to this matter, please call me at 461-9933.

CW:jr

Elm Street Development, Inc.

9175 Guilford Road • Suite 302

Columbia, MD 21046

Telephone: (301) 604-1552 • Facsimile (301) 470-4226

August 20, 1990

Mr. Craig Williams
Howard County Health Department
3525 Ellicott Mills Road
Ellicott City, Maryland 21043

Re: Clearview Estates Lot 20
Building Permit #34264

Dear Mr. Williams:

I am writing in response to your letter dated August 13, 1990 (copy attached) and our conversation in regard to Permit #34264.

Item 1

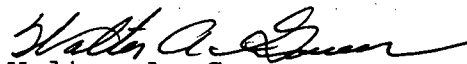
The barn on this lot was removed in April of 1990, on or about the time that the Howard County Fire Department used the existing house for training purposes.

Item 2

The existing septic system was pumped, drained and abandoned at the same time the barn was removed.

Thank you for your cooperation in this matter.

Sincerely,



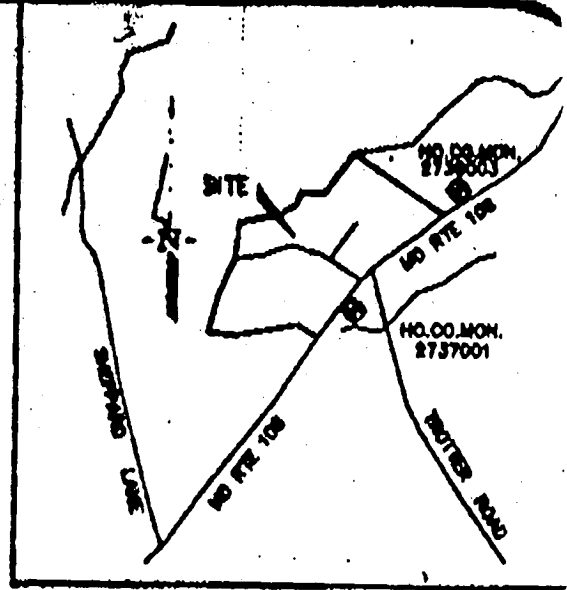
Walter A. Gowen
Project Manager

WAG:kag

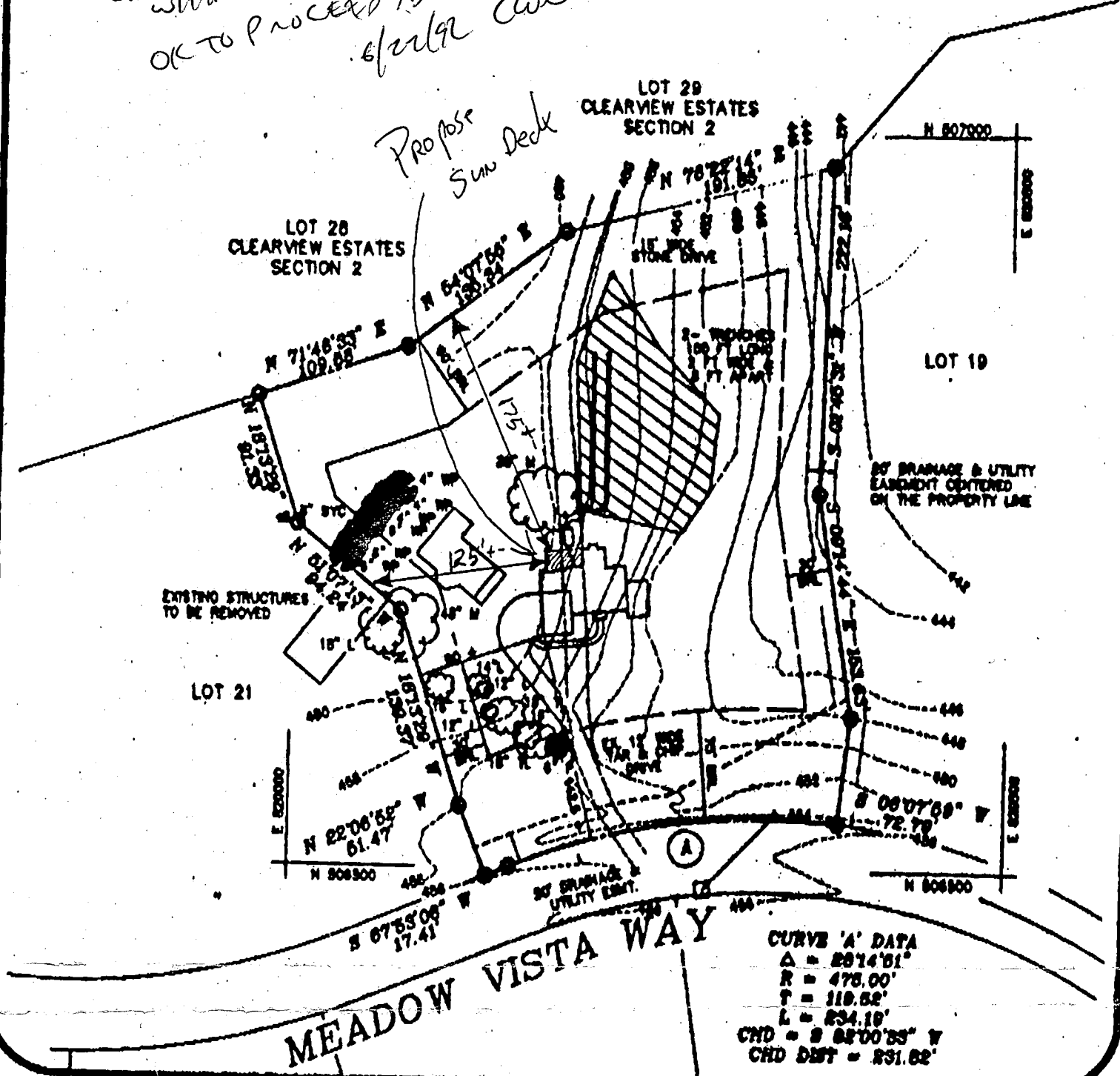
INV. OUT OF HOUSE = 455.4
 INV. INTO SEPTIC TANK = 455.1
 INV. OUT OF SEPTIC TANK = 454.8
 EX. ELEV. AT SEPTIC TANK = 458.2
 INV. INTO DISTRIBUTION BOX = 454.4
 EX. ELEV. AT DISTRIBUTION BOX = 458.2

BOUNDARY AND SEPTIC FIELD INFORMATION
 SHOWN HEREON WAS TAKEN FROM PLAT NO.
 8941 RECORDED AMONG THE LAND RECORDS
 OF HOWARD COUNTY, MARYLAND

*DECK CONFLICTS WITH
 PLANNED SEPTIC TANK LOCATION,
 CHANGE IN TANK LOCATION DISCUSSED
 WITH BUREAU (JEBB WALTERS)
 OK TO PROCEED AS PROPOSED
 6/21/92 CWL*



Vicinity Map
 Scale: 1" = 2000'



**LOT 20
 CLEARVIEW ESTATES
 PLOT PLAN**
 DPZ FILE No. F-89-125

'DURHAM'
 FF ELEV. = 481.40
 BSMT ELEV. = 452.70

**MILDENBERG,
 MOCHI & ASSOCIATES, INC.**
 ENGINEERS • SURVEYORS • PLANNERS

DATE: 12/9/91	PROJECT NO.: 91007.00
DRAWN BY: KAM	SCALE: 1" = 100'

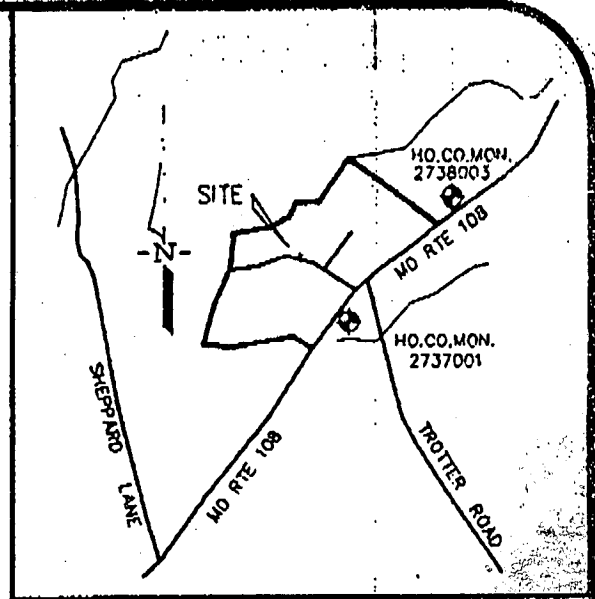
3300 North Ridge Road, Suite 235
 Ellicott City, Maryland 21043-3350
 (301) 461-0078 D.C. Metro: (301) 621-5768

INV. OUT OF HOUSE = 455.4
 INV. INTO SEPTIC TANK = 455.1
 INV. OUT OF SEPTIC TANK = 454.8
 EX. ELEV. AT SEPTIC TANK = 458.2
 INV. INTO DISTRIBUTION BOX = 454.4
 EX. ELEV. AT DISTRIBUTION BOX = 458.2

BOUNDARY AND SEPTIC FIELD INFORMATION SHOWN HEREON WAS TAKEN FROM PLAT NO. 8941 RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND.

(ONLY FF SEWERED BY GRAVITY)

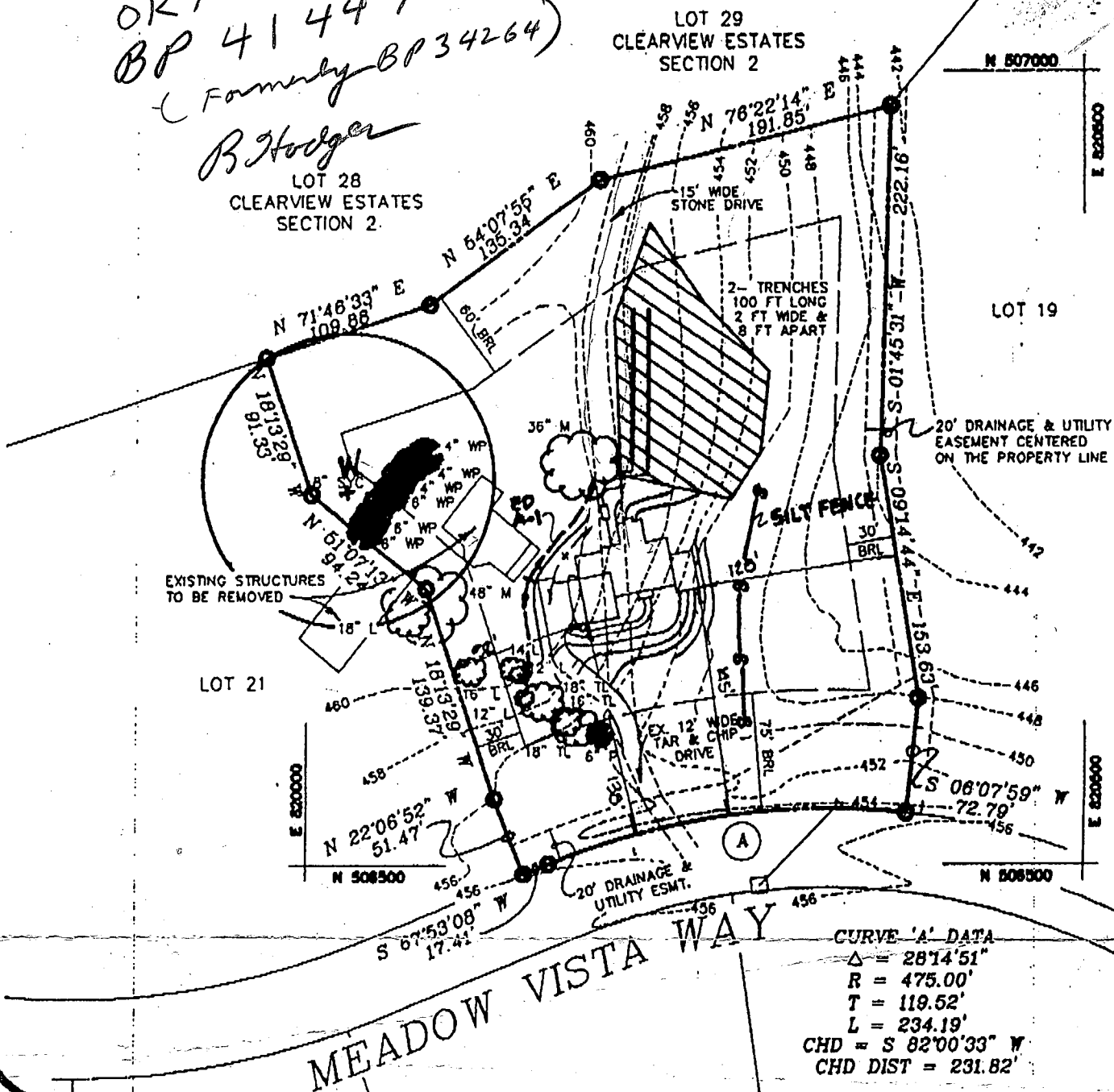
FF = 462.1
 B = 453.4
 G = 460.76



Vicinity Map

Scale: 1" = 2000'

3/11/92
 OK TO SIGN
 BP 41447
 (Family BP 34264)
 B. Hodger



LOT 20
 CLEARVIEW ESTATES
 PLOT PLAN
 DPZ FILE No. F-89-125

'DURHAM'

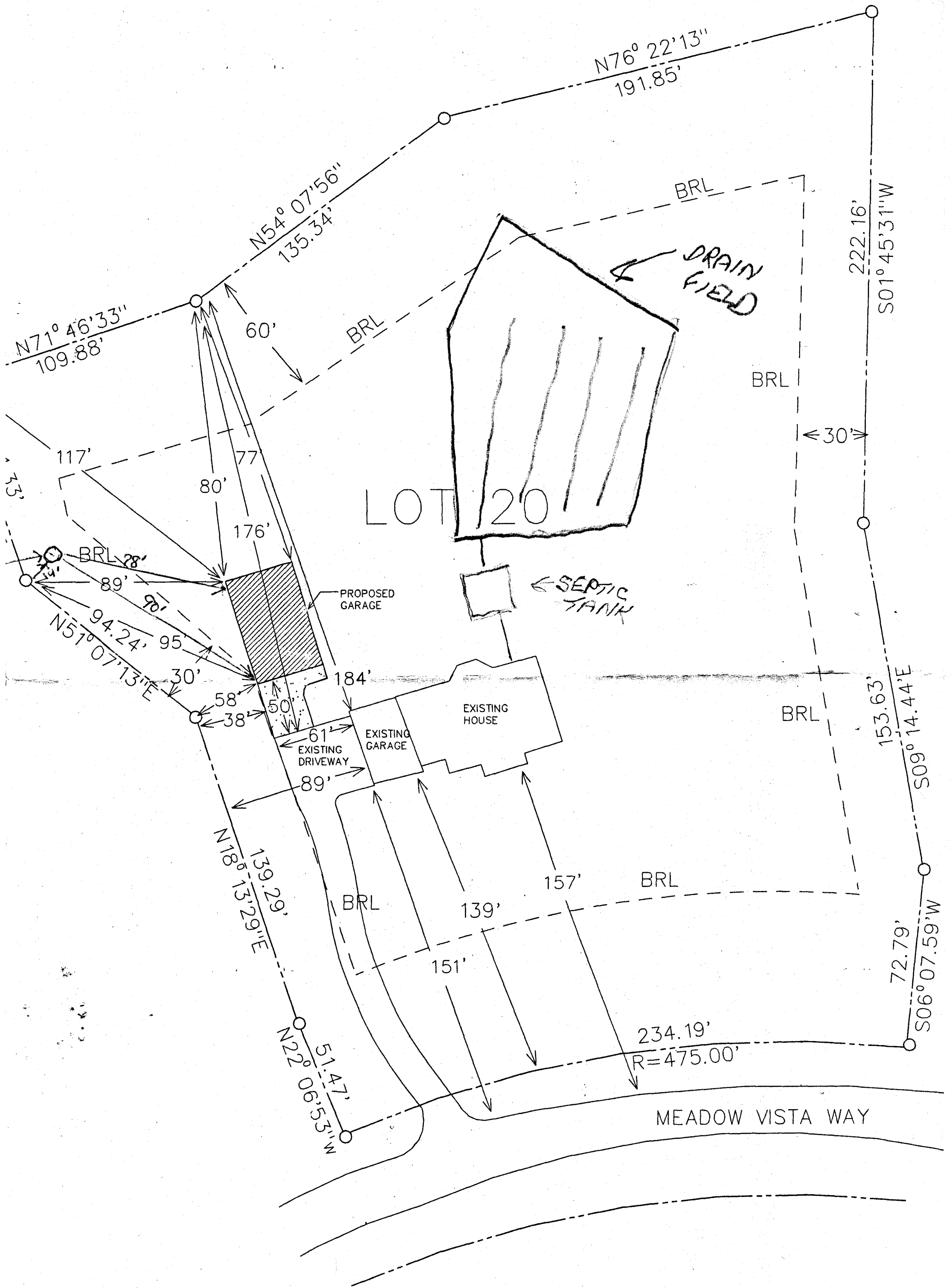
FF ELEV. = 461.40
 BSMT ELEV. = 452.70

M MILDENBERG,
M MOCHI & ASSOCIATES, INC.
 ENGINEERS • SURVEYORS • PLANNERS

3300 North Ridge Road, Suite 235
 Ellicott City, Maryland 21043-3350

(301) 461-0078 D.C. Metro: (301) 621-5768

DATE: 12/9/91	PROJECT NO.: 91007.00
DRAWN BY: KAM	SCALE: 1" = 100'



SITE PLAN

CLEARVIEW ESTATES LOT 20