

**Bureau of Environmental Health**  
 8930 Stanford Boulevard, Columbia, MD 21045  
 Main: 410-313-2640 | Fax: 410-313-2648  
 TDD 410-313-2323 | Toll Free 1-866-313-6300  
[www.hchealth.org](http://www.hchealth.org)  
 Facebook: [www.facebook.com/hocohealth](http://www.facebook.com/hocohealth)

Maura J. Rossman, M.D., Health Officer

RECEIPT DATE: 5/27/16 **ONSITE SEWAGE DISPOSAL SYSTEM** P 558734

INSTALLATION APPROVAL DATE: 6/3/16 **PERMIT** A \_\_\_\_\_  
 (SEC)

**TANK REPLACEMENT**

PROPERTY ADDRESS: 6757 Cortina Drive

SUBDIVISION: Deer Track LOT: 10 TAX ID: 05-417716

CONTRACTOR: Hatfield's Equipment EMAIL: ken@hatfieldsequipment.com

CONTRACTOR ADDRESS: P.O. Box 519, Annapolis Junction, MD 20701 PHONE: 301-490-4289

PROPERTY OWNER: Nathaniel and Annette Williams EMAIL: \_\_\_\_\_

OWNER ADDRESS: 6757 Cortina Drive, Highland, MD 20777 PHONE: 410-984-5393

NUMBER OF BEDROOMS: \_\_\_\_\_ SEPTIC TANK SIZE: 1500 DRAINFIELD SIZE/TYPE: \_\_\_\_\_

LOCATION:	
NOTES:	<p>Install new tank in order to build deck. Tie new tank into existing system. Tank should be (2) compartment and slotted.</p>

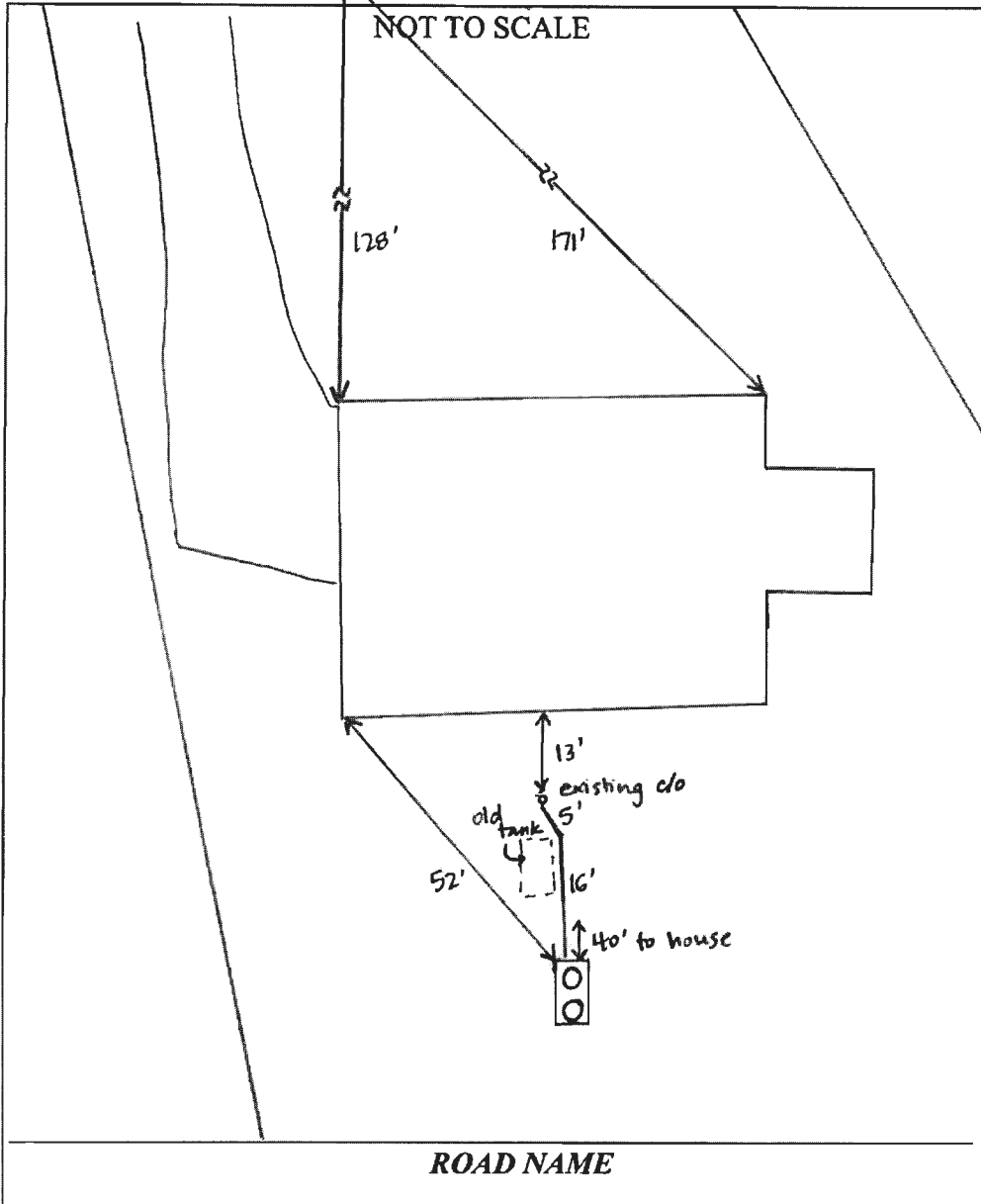
ISSUED BY: Hank Oswald ISSUE DATE: 5/27/16 EXPIRATION DATE: 5/27/17

- NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING
- NOTE: AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM
- NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA

**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM. PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT. CALL 410-313-1771 FOR INSPECTION OF SEPTIC SYSTEM.**

W HO-94-0186

NOT TO SCALE



**TRENCH/DRAINFIELD DATA**

WIDTH	INLET	BOTTOM
_____	_____	_____
NUMBER OF TRENCHES _____		
TOTAL LENGTH _____		
ABSORPTION AREA _____		
DISTRIBUTION BOX LEVEL _____		
DISTRIBUTION BOX BAFFLE _____		
DISTRIBUTION BOX PORT _____		

**SEPTIC TANK DATA**

SEPTIC TANK I LEVEL YES  
 MANUFACTURER BABYLON  
 CAPACITY 1500 GAL  
 SEAM LOC TOP  
 TANK LID DEPTH 2.5'  
 BAFFLES YES  
 BAFFLE FILTER NO  
 MANHOLE LOC FRONT + REAR  
 6" PORT LOC NONE  
 WATERTIGHT TEST NO  
 SLOTTED YES  
 DATE ON LID 4-10-16

~~PUMP/SEPTIC TANK LEVEL~~

~~MANUFACTURER \_\_\_\_\_  
 CAPACITY \_\_\_\_\_ GAL  
 SEAM LOC \_\_\_\_\_  
 TANK LID DEPTH \_\_\_\_\_  
 BAFFLES \_\_\_\_\_  
 BAFFLE FILTER \_\_\_\_\_  
 MANHOLE LOC \_\_\_\_\_  
 6" PORT LOC \_\_\_\_\_  
 WATERTIGHT TEST \_\_\_\_\_  
 SLOTTED \_\_\_\_\_  
 DATE ON LID \_\_\_\_\_~~

PRE-CONSTRUCTION:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INSTALLATION: 6/3/16 New tank installed and connected to existing system. Old tank pumped + removed. hole filled in with CR-6. (SC)

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

FINAL INSPECTOR Sarah Collins DATE OF APPROVAL 6/3/16

# Hatfield's Equipment and Dedication Services, Inc.

P.O. Box 519 • Annapolis Junction, MD 20701-0519  
Office: 301-490-4289 / 888-490-4289 • Fax: 301-490-5794

Stevens Builders  
4829 Ten Oaks Road  
Dayton, MD 21036  
Phil Stevens

Relocated and install new tank  
Williams Residence  
6757 Cortina Drive  
Highland, MD 20777  
Proposal # 7482

May 24, 2016

We propose to supply the labor, materials and equipment to complete the following:

Apply for permit.  
Pump, crush and fill existing tank  
Extend schedule 40 pipe to the new location  
Install a new 1500 gallon top seam septic tank  
Install a 30" manhole riser to grade  
Tie onto existing distribution pipe  
Inspected and backfilled

Total Cost \$ 4,760.00

Exclusions: export of fill, import of fill, asphalt repair, concrete repair, temporary fencing, any items not priced above.

All work to be billed as completed.

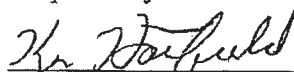
Customer agrees to pay Hatfield's Equipment And Dedication Services Inc. in full the amount due within 30 days.

A finance charge at the periodic rate of 2% per month which constitutes an annual percentage rate of 24%, will be applied to any balances not paid in 30 days

Customer agrees to pay 40% of amount due as attorney fees if placed in the hands of an attorney for collection.

Non-payment of any past due amount will be sufficient justification to stop work on the project.

Respectfully Submitted

  
\_\_\_\_\_  
Ken Hatfield, president

Accepted by

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Print Name

8/27/96  
1100' & 1162'

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 57016 G

A 49005

DISTRICT 5th

DATE 7-8-96

DATE SYSTEM APPROVED 8/28/96

INSPECTOR [Signature]

**HOWARD COUNTY HEALTH DEPARTMENT**  
BUREAU OF ENVIRONMENTAL HEALTH  
313-2640

INDEXED

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

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

SUBDIVISION Deer Track LOT 10 ROAD 6757 Cortina Drive

PROPERTY OWNER Jacobsen Homes, LLC

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 2 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 7 feet below original grade. Effective area begins at 4 feet below original grade. 3 feet of stone below distribution pipe.

LOCATION - Place distribution box 220 feet up the right (403.18') lot line and 50 feet off the right lot line as Viewed from Cortina Drive. Install trenches on contour toward right rear lot corner.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 7/1/96 DKS

PLANS APPROVED BY Ronald J. Pinkley DATE 5/17/96

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

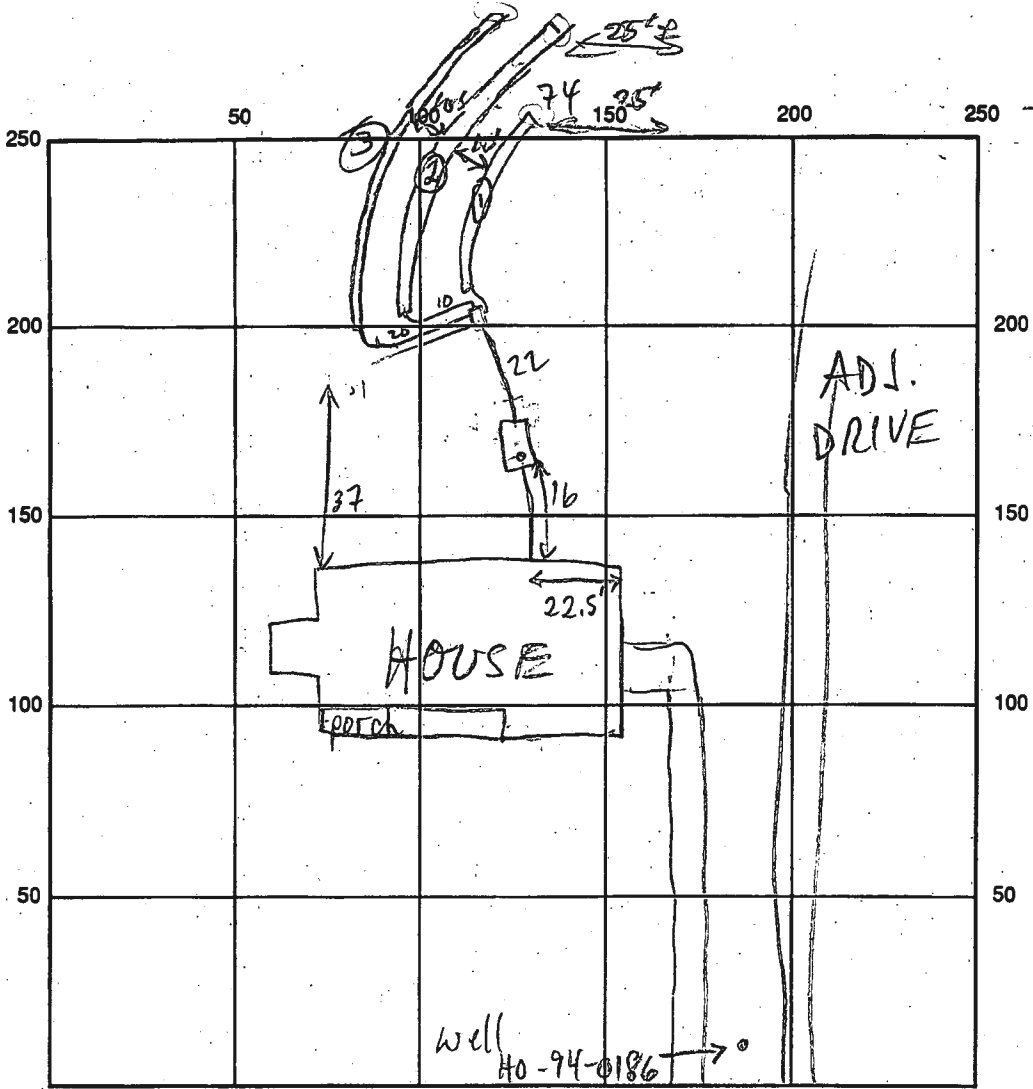
PERMIT VOID AFTER TWO YEARS

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

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

A 49005



CORTINA DR

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 1500 GAL - OK CLEANOUTS S.T. - OK

DISTRIBUTION BOX LEVEL OK - BAFFLE IN

DRAIN FIELD/TITLE DEPTH 

1	2	3	4
7	7	7	7

 FT. TRENCH WIDTH 2 FT. INLET DEPTH 

1	2	3	4
9	4	7	4

 FT.

EFFECTIVE GRAVEL DEPTH 

1	2	3	4
3	3	7	1

 FT. TOTAL LENGTH ① 74 ② 112 ③ 114 = Total of 300 LF

NUMBER OF TRENCHES 4 ONE SIDEWALL/BOTTOM AREA 900 SQ. FT.

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

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

REMARKS: 8/27/96 #1 OK TO COVER TRENCHES ① & ②; DIG ③ & ④ MR  
8/27/96 #2 ADD'L REVIEW @ OFFICE SUGGESTS BEST USE OF SEWAGE  
EASEMENT MAY BE THREE-TRENCH DESIGN (DUE TO CONCERNS  
ABOUT SUFFICIENT REPAIR AREA); T/C TO INSTALLER - THEY WILL CALL  
IN A.M. MR Rincin to stand is OK, system is ready to cover 8/28/96

8/30/96 WPE OK TO COVER - No insp ACM

DATE SYSTEM APPROVED 8/28/96 INSPECTOR [Signature]

# APPLICATION

PERCOLATION TESTING

A 49115

P \_\_\_\_\_

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

DISTRICT 5

DATE 3/3/1993

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 BUSHROD W. HOPKINS, ET AL *Jacobsea Homes, LLC*  
6761 HAVILAND MILL ROAD  
ADDRESS CLARKSVILLE, MARYLAND 21029 PHONE (410) 596-9168

AGENT OR PROSPECTIVE BUYER CARMAN ASSOCIATES  
P.O. BOX 122  
ADDRESS ELLICOTT CITY, MARYLAND 21041 PHONE (410) 442-1045

PROPERTY LOCATION:

SUBDIVISION ~~XX/A~~ DEER TRACK LOT NO. 1210 ~~XX/A~~

ROAD AND DESCRIPTION ~~Extension of Cortina Drive off Villa D'est Drive~~  
6757 Cortina Drive

TAX MAP 34 PARCEL # 161

BLDG. PERMIT SIGNED  
AND RETURNED 5-17-96  
serial # 64993

SIZE OF LOT 1 Acre, more or less TYPE BLDG. Single Family Res. - 5BRAS  
(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. *Zachman Y. Fisch (agent)*  
(SIGNATURE OF APPLICANT)

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

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

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

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

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

49005 Lot 12

COUNTY #

SOIL PROFILE 12A

0' yel Brn  
to orange  
Brn  
CL

4' yel Brn  
Tan, Mid Brn  
+ Blk Spn  
micaceous  
Lm

6 1/2' Mid Brn  
v. micaceous  
f loam SL

12B

2 1/2' Rd Brn  
HCL MF

4' str Brn  
to yel Brn  
HCL MF

6' Red - Rd Brn  
SL mbr-mbr  
micaceous

8' Mid Brn  
v. micaceous  
mic loam  
mbr-Ls

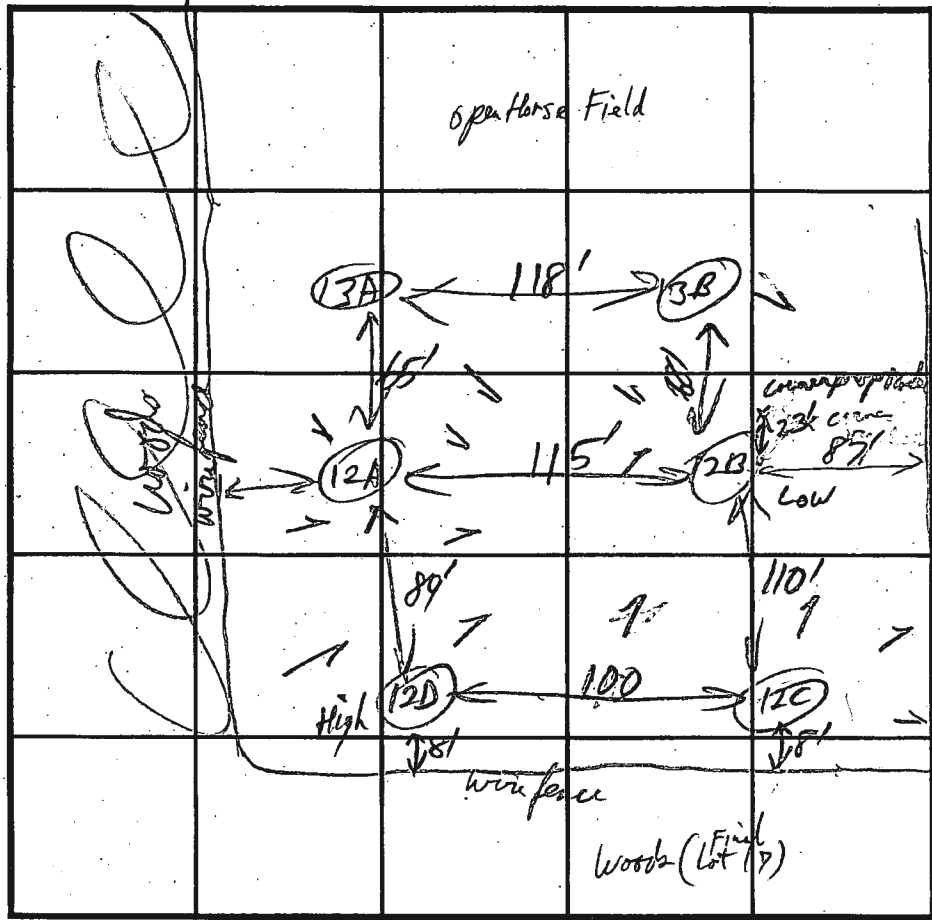
9 1/2' mix mid Brn  
+ grey  
v. mica  
Ls

12C

Red-red Brn  
v. mica  
loam  
mbr-L (SL)

Red-red Brn  
mica  
loam  
mbr

8 1/2' Mid Brn  
v. mica  
Lm-SL



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE 12D

0' Rd Brn mbr  
micaceous

1 1/2' Rd HCL-Lm  
mbr

3 1/4' Rd HCL  
micaceous  
mbr-mbr

6' Str Brn  
mbr  
micaceous  
-SL

Ls

3 1/2' Rd Brn  
v. mica  
f loam SL  
Ls

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4-11-93	12A	5'	11:14:50	11:16:00	11:16:00	11:18:30	2 1/2 min
		9'	11:14:30	11:18:00	11:18:00	11:29:00	11 min
		13'	OK below 4'				
	12B	5'	11:24:00	11:27:50	2" in 3 1/2 min		1 3/4 min OK
		10'	11:17:00	11:18:30	11:18:30	11:24:00	5 1/2 min
		12'	OK below 3'				
	12C	5'	11:31:00	11:35:45	11:35:45	11:37:20	1 1/2 min OK
		9'	11:28:20	11:31:30	11:31:30	11:35:00	4 min
		12'	11:28:00	11:31:40	11:31:40	11:35:00	4 min
	12D	6'	11:39:00	11:41:00	11:41:00	11:42:10	4 1/2 min
		9 1/2'	11:39:30	11:47:10	11:47:10	11:57:00	10 min
		12 1/2'	OK below 6'				

REMARKS \_\_\_\_\_

TYPE OF SOIL \_\_\_\_\_

TESTED BY APC/ML ALSO PRESENT \_\_\_\_\_

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 5 min TRENCH WIDTH \_\_\_\_\_

INLET DEPTH 4 MAXIMUM BOTTOM DEPTH 9 SQ. FT./BEDROOM \_\_\_\_\_

C1 4542

SEQUENCE NO. (DENY USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

COUNTY NUMBER A 49005

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

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well 325 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL"

HO-94-0186

OWNER Carman Associates last name Cortina Dr first name TOWN Highland SUBDIVISION DeepTrack SECTION LOT 10

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing. Includes handwritten entries: SAND 0-82, GRAY mica Rock 82-325.

Dry wells 520', 400' filled in with Cement + drilling materials

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) YES Y NO N TYPE OF GROUTING MATERIAL CEMENT CM BENTONITE CLAY BC NO. OF BAGS 15 NO. OF POUNDS 1410 GALLONS OF WATER 90 DEPTH OF GROUT SEAL (to nearest foot) from 0 to 65 ft.

CASING RECORD

MAIN CASING TYPE ST Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 86 OTHER CASING (if used) diameter inch depth (feet) from to

SCREEN RECORD

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

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 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...

DRILLERS IDENT. NO. 24 DRILLERS SIGNATURE Joseph Mays

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

Table with columns: E A C H S C R E E N, DEPTH (nearest ft.), SLOT SIZE, DIAMETER OF SCREEN (NEAREST INCH)

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 TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3

PUMPING TEST

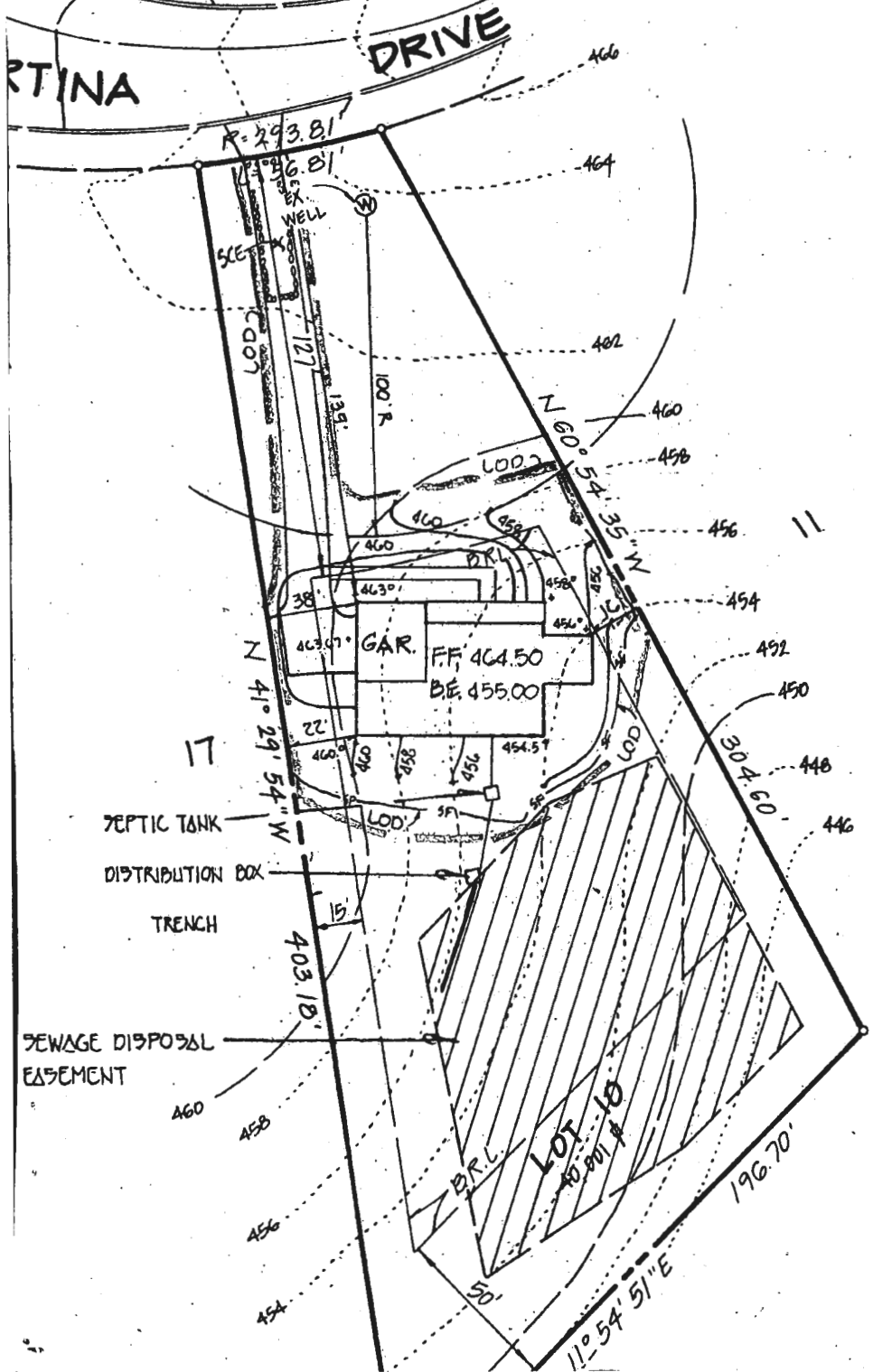
HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min. to nearest gal.) 75 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 39 WHEN PUMPING 156 TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED

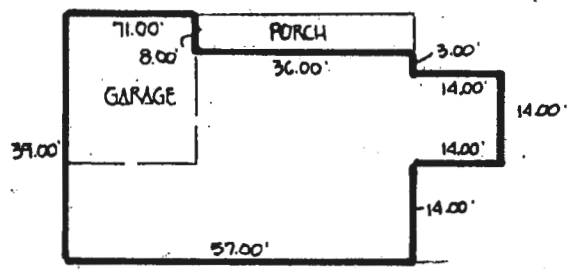
DRILLER WILL INSTALL PUMP YES NO IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE: CAPACITY: GALLONS PER MINUTE (to nearest gallon) PUMP HORSE POWER PUMP COLUMN LENGTH (nearest-ft.) CASING HEIGHT (circle appropriate box and enter casing height) 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)

See Attached Well locations



3. A. FIRST FLOOR ELEVATION: 464.50
- B. BASEMENT ELEVATION: 455.00
- C. INVERT OF SEPTIC SYSTEM AT HOUSE: 453.2
- D. INVERT IN AT SEPTIC TANK: 452.9
- E. INVERT OUT AT SEPTIC TANK: 452.0
- F. PROPOSED GRADE OVER SEPTIC TANK: 455.0
- G. INVERT AT DISTRIBUTION BOX: 452.4
- H. EXISTING GROUND OVER DISTRIBUTION BOX: 450.0
4. LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
5. CONTRACTOR / BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING ANY CONSTRUCTION.



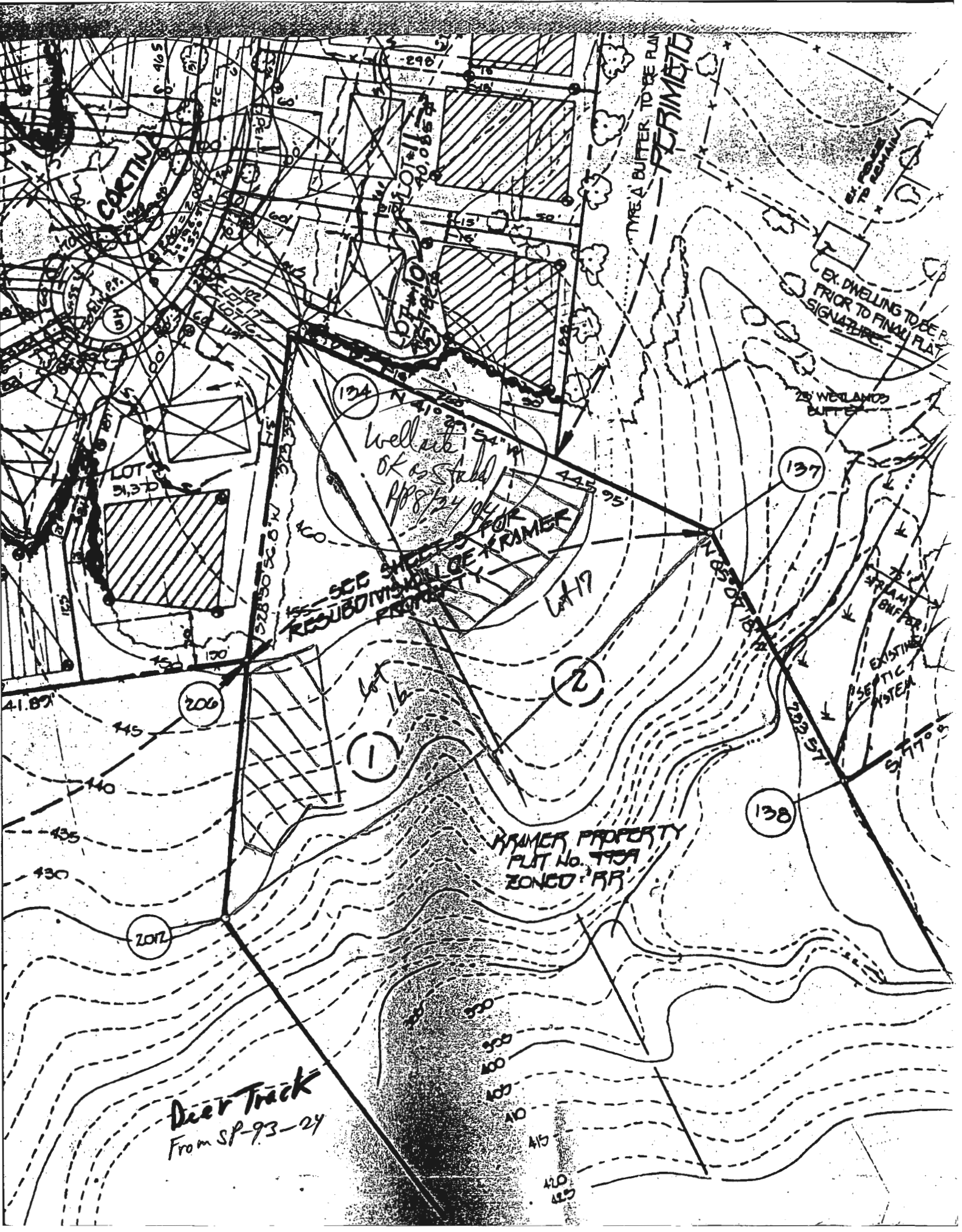
**WILLIAMS RESIDENCE**  
 PROPOSED TWO STORY, FIVE BEDROOM  
 DWELLING

BP 64993

**Approved Septic System Plan**  
**Howard County Health Department**

*Donald W. Kelly*  
 Signature \_\_\_\_\_ Date 5/17/96

CA 00 150



COASTLINE

TYPE A BUFFER TO BE PLANNED  
PERIMETER

EX. DWELLING TO BE REMOVED  
PRIOR TO FINAL PLAT  
SIGNATURE

25' WETLANDS BUFFER

7.5' STRIP BUFFER

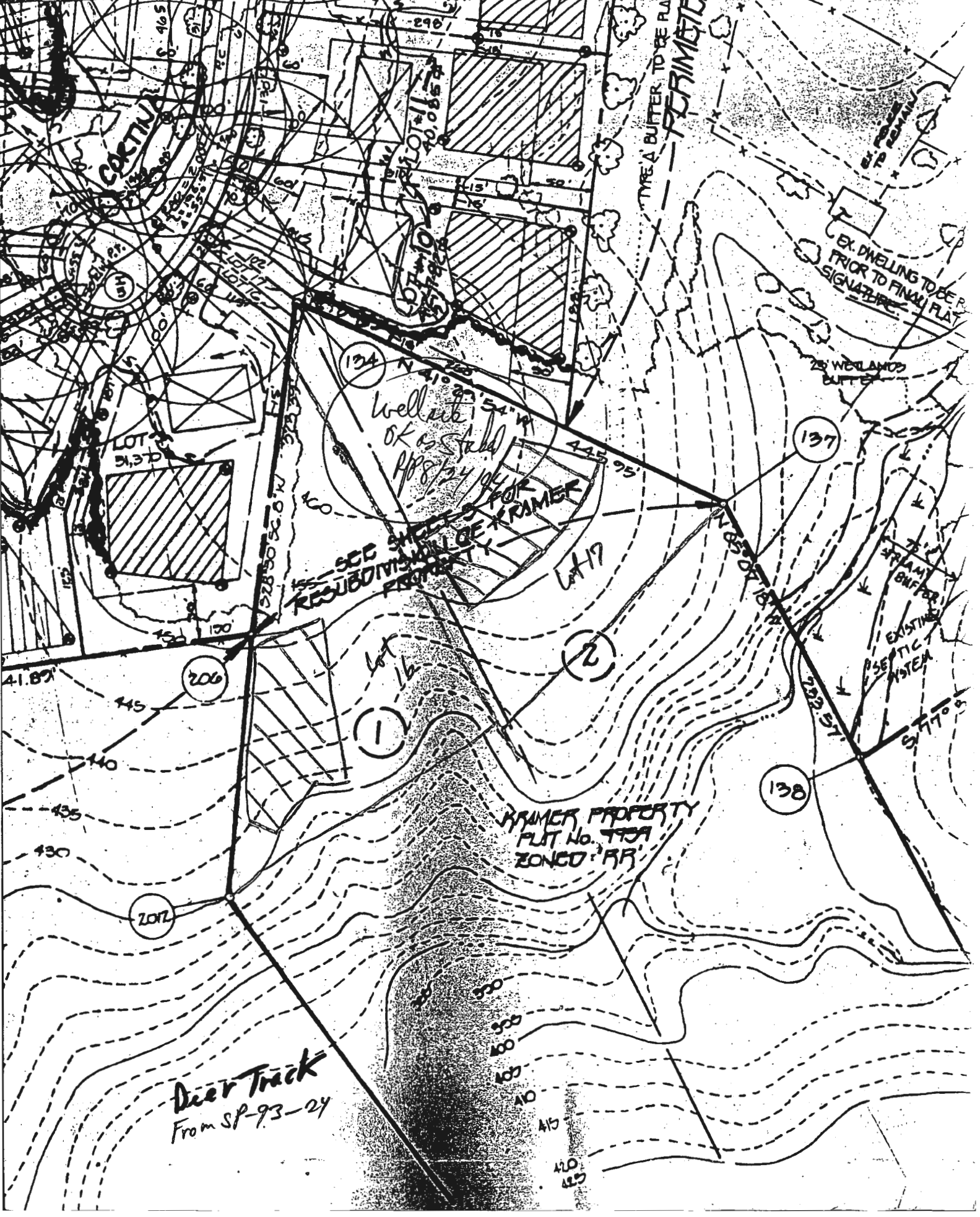
EXISTING SEPTIC SYSTEM

Well site OK as STABLE FOR PRIMER  
R/R 8/24/04

SEE SHEETS FOR RESUBDIVISION OF PROPERTY

PRIMER PROPERTY  
PLAT No. 999A  
ZONED RR

Deer Track  
From SP-93-24



Info Legend About

6757 CORTINA DR

🔍 Detailed Search

⊕ Add Layer

Howard County Base Map

BASE MAP LAYERS

ADDRESS LABELS  ▾

COUNTY LINE  ▾

METROPOLITAN AREA  ▾

PROPERTY BOUNDARIES  ▾

SCANNED DRAWINGS  ▾

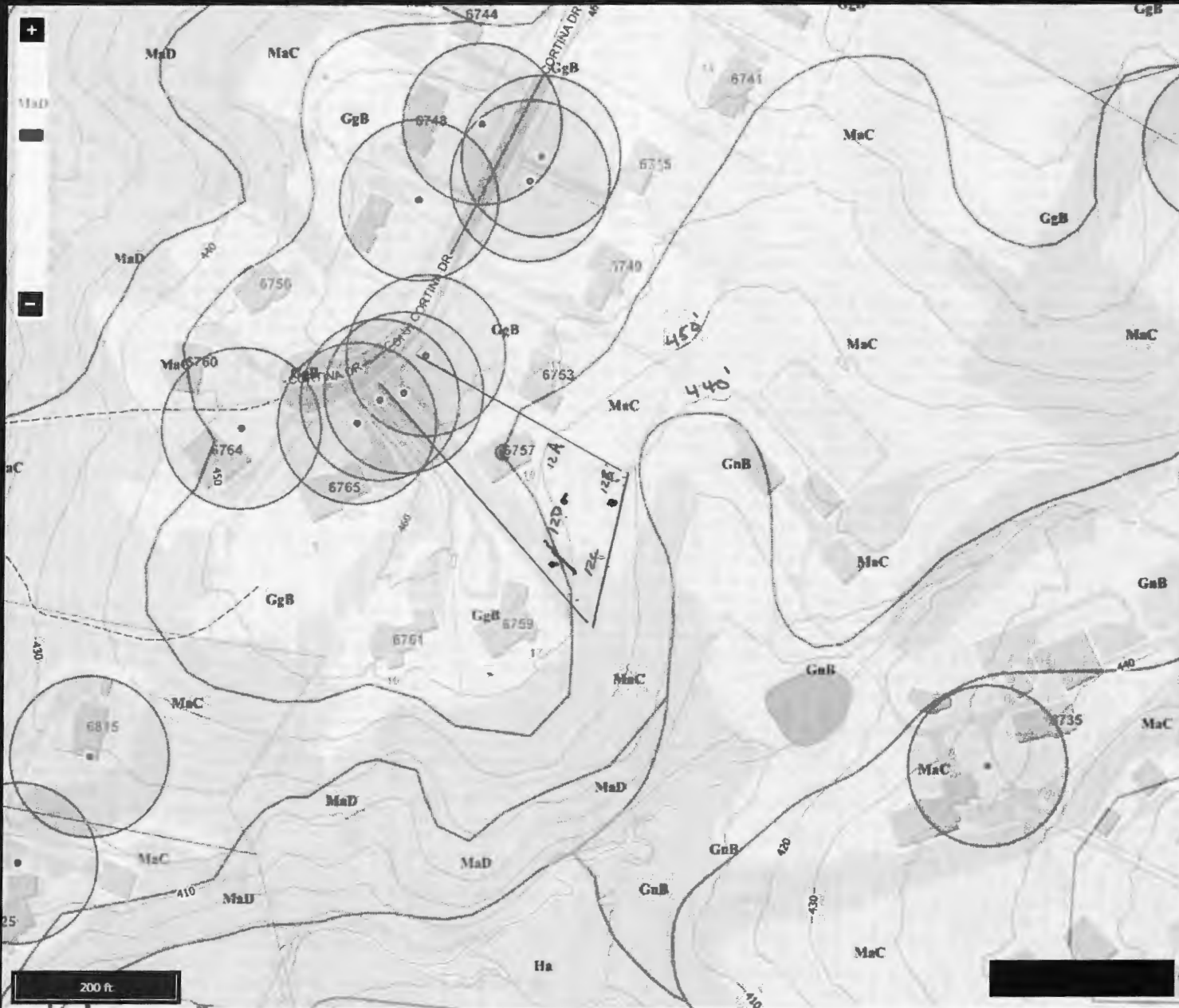
STREETS  ▾

CONTOURS 2018  ▾

CONTOURS 2011  ▾

HEALTH SPECIAL LAYERS

UTILITY LAYERS



Info Legend About

6757 CORTINA DR

🔍 Detailed Search

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Howard County Base Map ▾

BASE MAP LAYERS

HEALTH SPECIAL LAYERS

UTILITY LAYERS

GEOGRAPHY

PLANNING

ADDED LAYERS

