

3/20/97 - MISSED  
I.A.S.P.  
3/21/97 ANYTIME  
3/24/97 12 C.O.  
3/25/97 PM WPI  
3/26/97 AM WPI

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
~~XXXXXX~~ 313-2640

~~Need to patch weather line corrected  
where less than 10 ft from 3/26/97  
Septic line  
at house connection  
3/25/97~~

P 57684  
A 48999

DISTRICT 5th

DATE 2/19/97

DATE SYSTEM APPROVED 3-24-97

INSPECTOR KM

INDEXED

Arnold's Backhoe & Septic Services IS PERMITTED TO INSTALL  ALTER

ADDRESS P.O. Box 15 Woodbine, MD 21797 PHONE 795-7873

SUBDIVISION Deer Track LOT 6 ROAD 6756 Cortina Drive

PROPERTY OWNER Trinity Custom Homes, Inc. Athey

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 180

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

LOCATION - Place distribution box 220 feet from front lot line and 30 feet from the right lot line as viewed by Cortina Drive. Install trenches on contour toward left 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. 12/30/96 OR ALM

PLANS APPROVED BY Ronald J. Pinkley/Donna K. Soe REVISED DATE 12/23/96

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 BLDG. PERMIT SIGNED

PERMIT VOID AFTER TWO YEARS

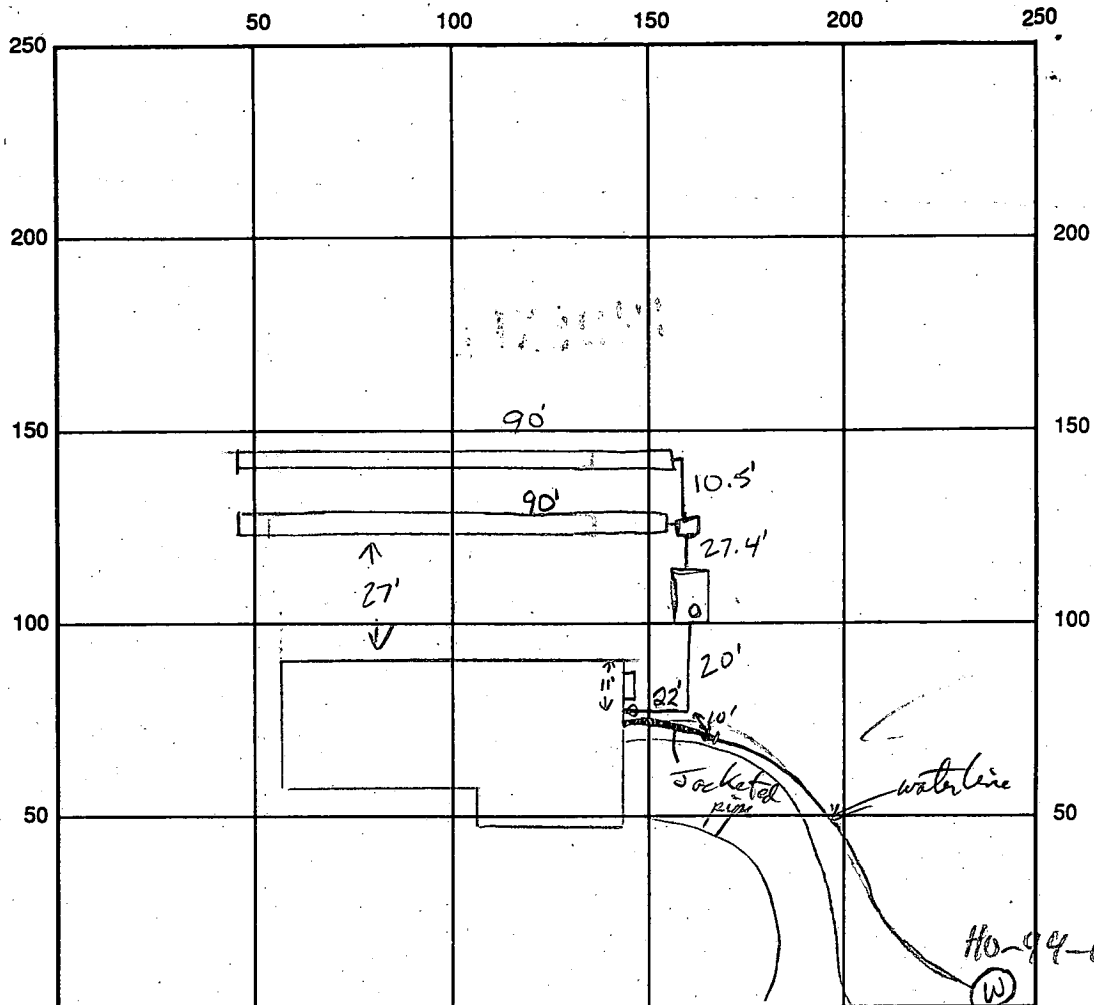
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON, CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED. deck

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

BLDG. PERMIT SIGNED  
AND RETURNED 2/21/97  
Serial # 57113719

A  
48999



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE Cortina Drive

SEPTIC TANK LEVEL OK, 1250 gallons

CLEANOUTS 1 on tank, 1 at house

DISTRIBUTION BOX LEVEL OK, baffle in

DRAIN FIELD/TITLE DEPTH 7 FT.

TRENCH WIDTH 2 FT.

INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 4 FT.

TOTAL LENGTH 90 x 2 FT. → 180

NUMBER OF TRENCHES 2

ONE SIDEWALL/BOTTOM AREA 720 SQ. FT.

DRYWALL INSIDE DIAMETER — FT.

EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA — SQ. FT.

REMARKS: 3-21-97 OK to continue KM

3-24-97 OK to cover all work, house connection made KM

cleanout at house will be raised to grade

3/24/97 Socket of 2" solid white PVC over 1/4" waterline is OK (to 10' from septic line) OK to cover #11 3/25/97

3/25/97 - filter adapter OK - Need jacketed waterline where 10' or closer to septic line. #11 3/25/97

DATE SYSTEM APPROVED 3-24-97

INSPECTOR Kimberly Maisto

# APPLICATION

PERCOLATION TESTING

A 48999

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 *Trinity Custom Homes, Inc*  
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 DEER TRACK LOT NO. 6

ROAD AND DESCRIPTION Extension of Cortina Drive off Villa D'est Drive  
(6756 Cortina Drive)

TAX MAP 34 PARCEL # 161

**BLDG. PERMIT SIGNED**  
**AND RETURNED 12/23/96**  
*Serial # B0103369*

SIZE OF LOT 1 Acre, more or less TYPE BLDG. Single Family Res. - 4 Bed  
(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. *Zacharia 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

48999

COUNTY #

SOIL PROFILE

0' **6A**  
 Dark Red Brn  
 loam  
 in v dr

6' **6B**  
 Red Brn  
 v. micaceous  
 fine  
 loam  
 loose

12 1/2'

**6B**  
 Red Brn - loam  
 loose

12 1/2'

**6C**  
 Red Brn  
 & fine  
 v. micaceous  
 fine  
 loam  
 10% gravel

**6C**  
 Red Brn - loam  
 loose

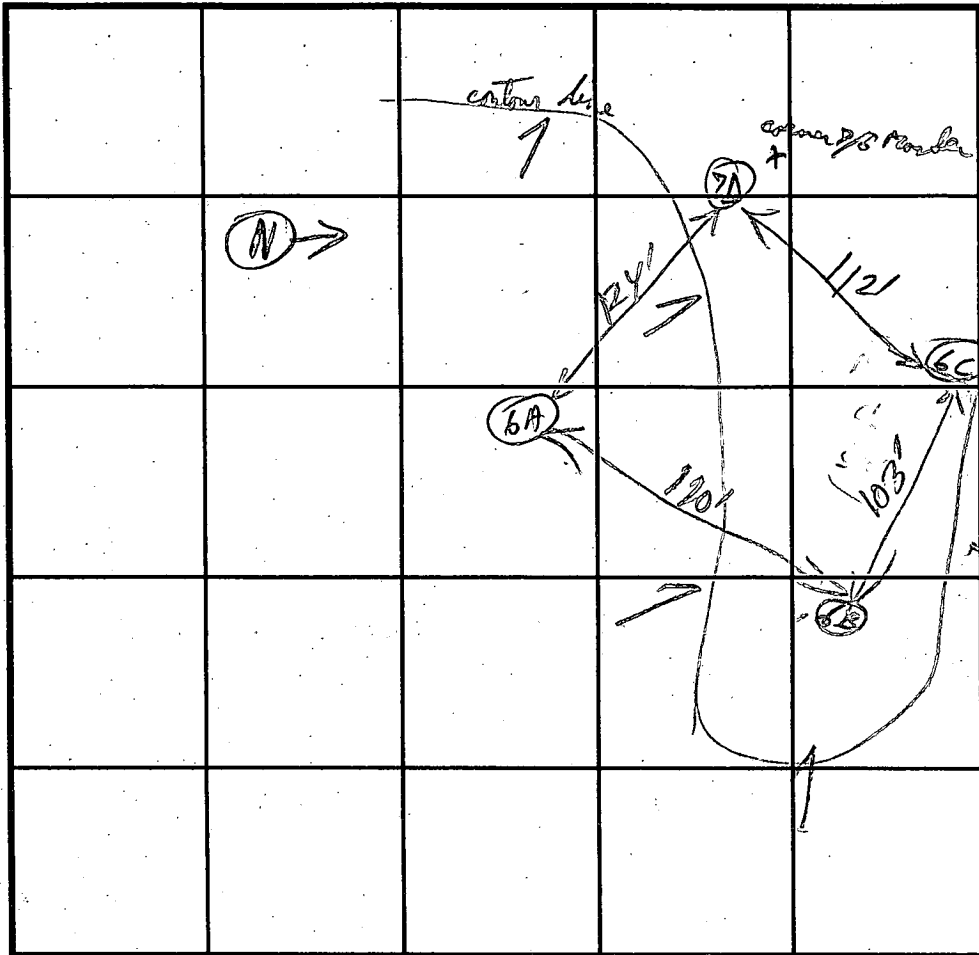
2'

3 1/2 - 4'

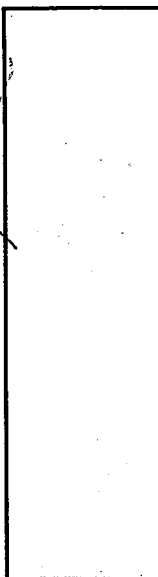
7 1/2'

10 1/2'

12 1/2'



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4-15-93	7D	(see 5 1/2' lot 7 notes)					2 min OK
		v 12 1/2'		OK any depth			4 min
	6A	5 1/2'	1:54:25	1:55:35	1:55:35	1:58:00	2 1/2 min
		10'	1:52:50	2:01:50	2:01:50	2:40:50	20 min
		v 12 1/2'		OK contour depth		2" in 37 min	
	6B	5'	2:15:30	2:18:00	2:18:00	2:24:20	4 min
		9'	2:14:30	2:17:10	2:17:10	2:21:10	4 min
		v 12 1/2'		OK contour depth			
	6C	5 1/2'	2:34:00	2:35:00	2:35:00	2:36:53	2 min
		9 1/2'	2:33:40	2:36:20	2:36:20	2:39:00	3 min
		v 12 1/2'					

REMARKS

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

TESTED BY R.P. Kelly ALSO PRESENT J.H. [unclear]

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 6 min TRENCH WIDTH \_\_\_\_\_

INLET DEPTH 3 MAXIMUM BOTTOM DEPTH 7 SQ. FT./BEDROOM \_\_\_\_\_

C1 4540

SEQUENCE NO. (DENV USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

COUNTY NUMBER A 48999

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

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED 100394

Depth of Well 300 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-0182

OWNER Carmen Associates last name Cortina Dr. first name TOWN Highland SUBDIVISION Deer track SECTION LOT 6

WELL LOG table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing. Rows include SAND, GRAY MICA Rock, SOAP Stone, GRAY MICA Rock.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL CEMENT, BENTONITE CLAY, NO. OF BAGS 21, NO. OF POUNDS 1921, GALLONS OF WATER 126, DEPTH OF GROUT SEAL 75 ft.

CASING RECORD: casing types insert appropriate code below. Codes: ST (STEEL), CO (CONCRETE), PL (PLASTIC), OT (OTHER).

MAIN CASING TYPE: ST 4 89. Nominal diameter top (main) casing (nearest inch) 4, Total depth of main casing (nearest foot) 89.

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

SCREEN RECORD: screen type or open hole. Codes: ST (STEEL), BR (BRASS), HO (OPEN HOLE), PL (PLASTIC), OT (OTHER).

IN HARD ROCK AREAS, IDENTIFY SPECIFICALLY WHERE SATURATED FRACTURES WERE OBSERVED. WELL HYDROFRACTURED (Y).

CIRCLE APPROPRIATE LETTER: A (WELL WAS ABANDONED AND SEALED), 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 E. Masque. SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee) Larry Masque 27.

DEPTH (nearest ft.) HO 86 300. SLOT SIZE 1 2 3. DIAMETER OF SCREEN (NEAREST INCH) from to.

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.), WQ (WATER QUALITY). TELESCOPE CASING, LOG INDICATOR, OTHER DATA.

PUMPING TEST: HOURS PUMPED (nearest hour) 3, PUMPING RATE (gal. per min. to nearest gal.) 47, METHOD USED TO MEASURE PUMPING RATE Bucket, WATER LEVEL (distance from land surface) BEFORE PUMPING 43, WHEN PUMPING 241, TYPE OF PUMP USED (for test) S (submersible).

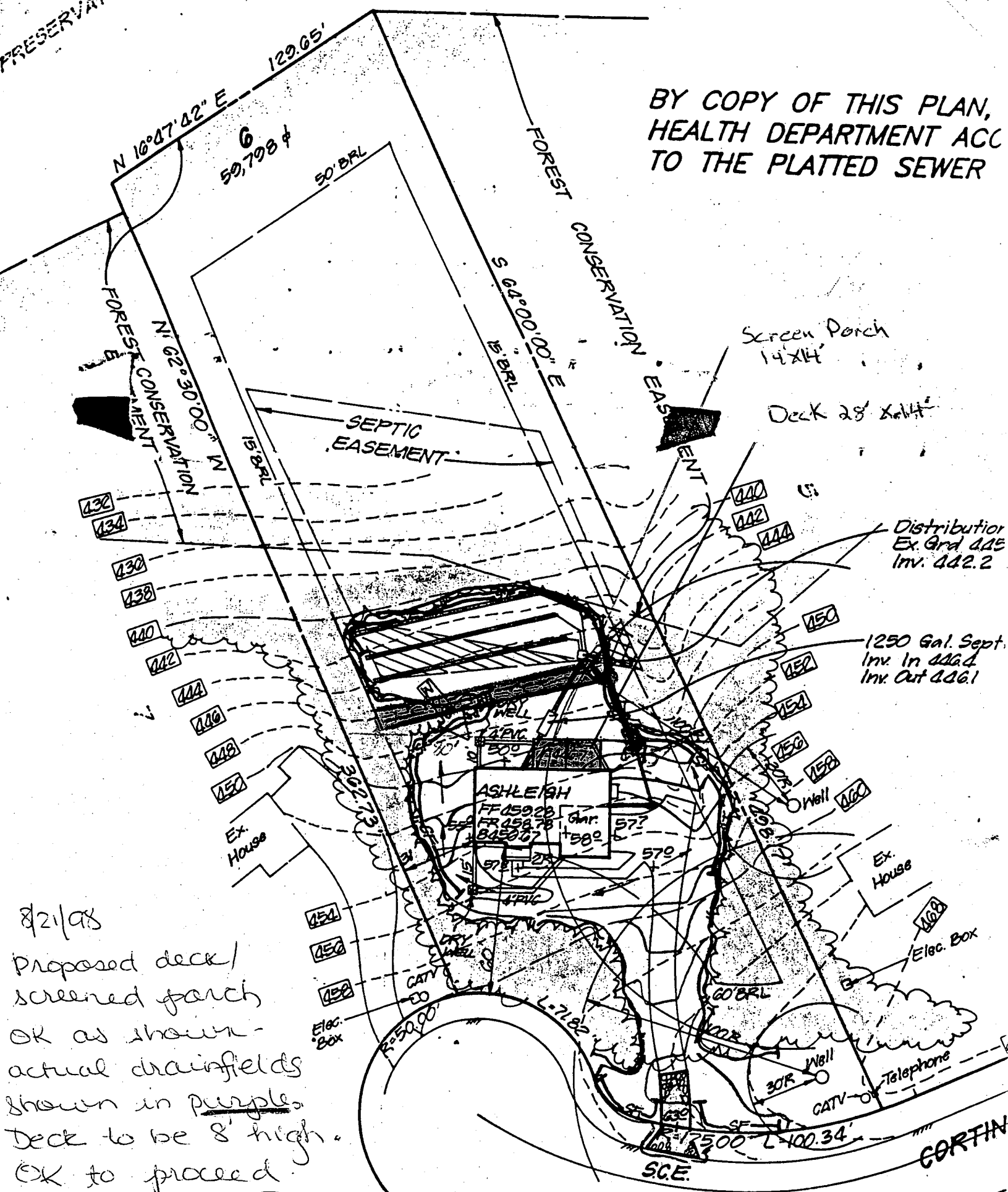
PUMP INSTALLED: DRILLER WILL INSTALL PUMP YES (NO). TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE: S. CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35, PUMP HORSE POWER 37 41, PUMP COLUMN LENGTH (nearest ft.) 43 47, CASING HEIGHT (circle appropriate box and enter casing height) above 43, LAND SURFACE 3 (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 location

PRESERVATION: FARM

BY COPY OF THIS PLAN,  
HEALTH DEPARTMENT ACC  
TO THE PLATTED SEWER



8/21/98  
 Proposed deck/  
 screened porch  
 OK as shown -  
 actual drainfields  
 shown in purple  
 Deck to be 8' high.  
 OK to proceed.

(SJS)

CORTIA

**LEGEND**

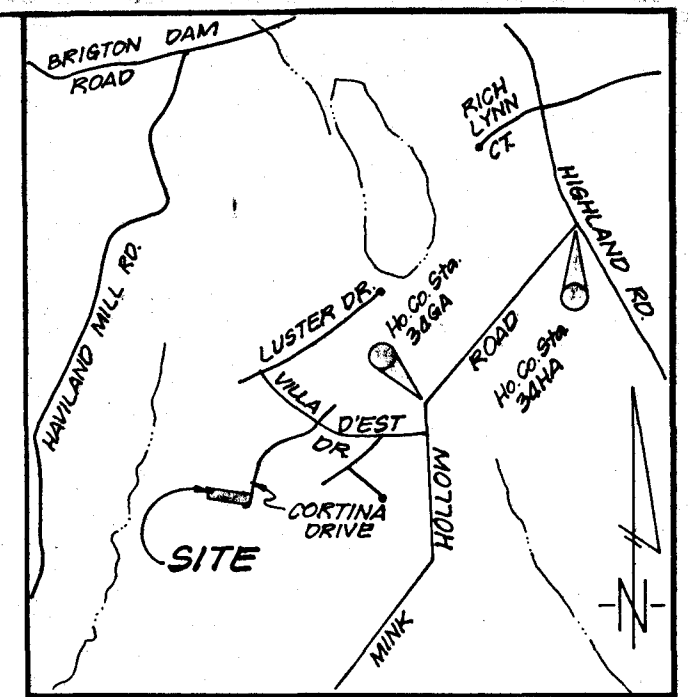
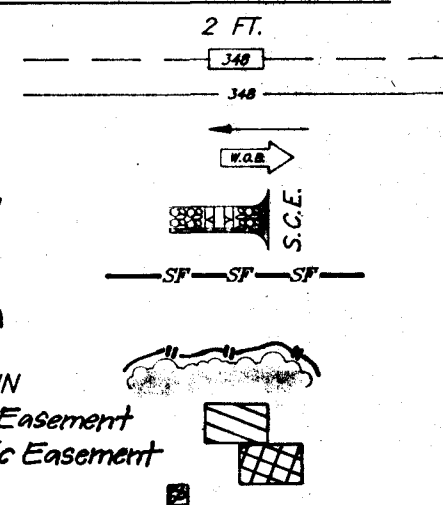
CONTOUR INTERVAL  
 EXISTING CONTOUR  
 PROPOSED CONTOUR  
 DIRECTION OF DRAINAGE  
 WALK OUT BASEMENT

STABILIZED CONSTRUCTION  
 ENTRANCE

SILT FENCE

LIMIT OF DISTURBED AREA  
 TREE PROTECTION FENCE  
 EXISTING TREES TO REMAIN

Area Added to Septic Easement  
 Area Deleted from Septic Easement  
 Proposed Dry Well



VICINITY MAP  
 1" = 2000'

**GENERAL NOTES**

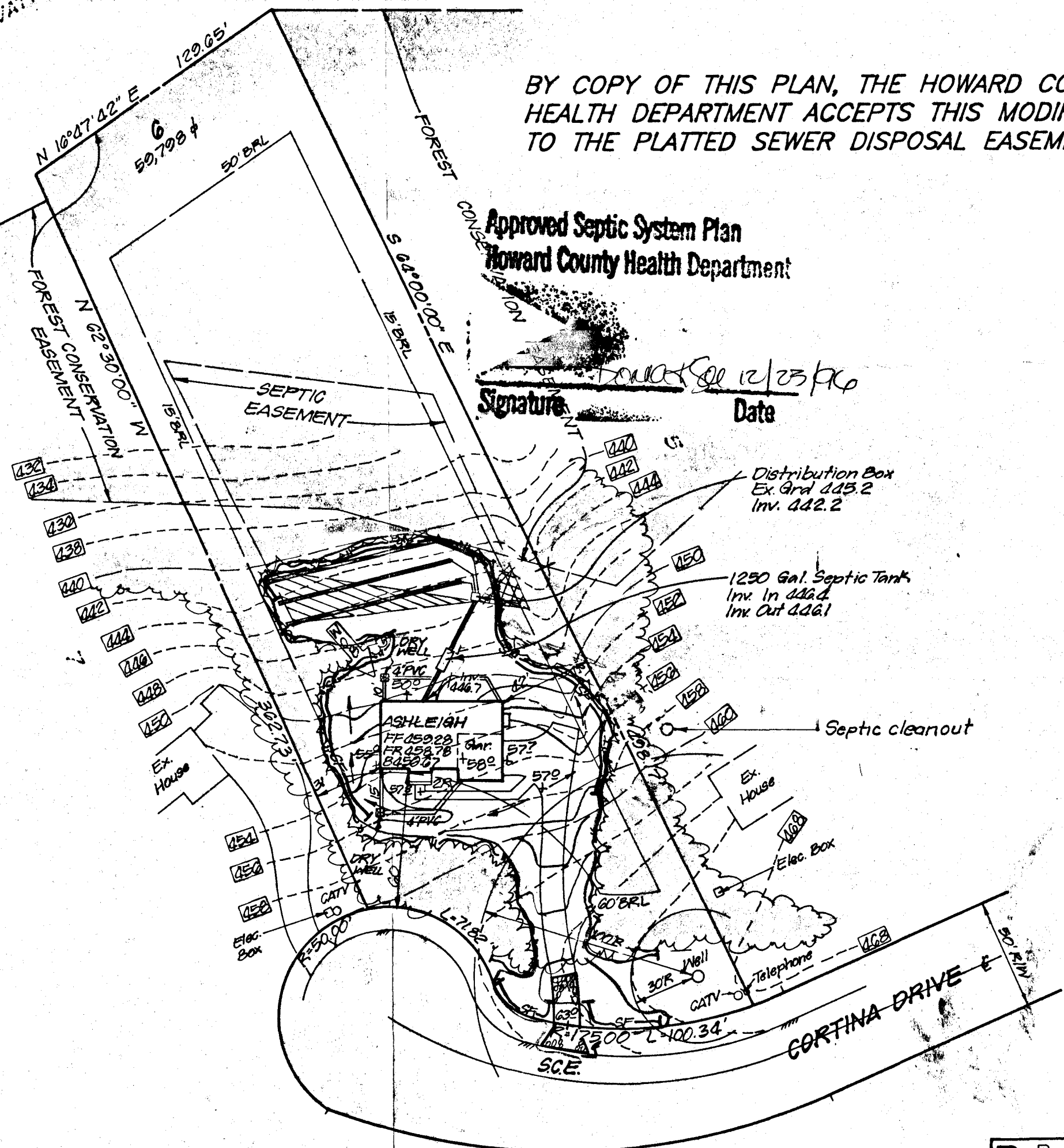
1. Existing topography was field run by Clark, Finerock & Sackett, Inc. on December 4, 1996.
2. Length of trenches to be determined at time of permit issuance.
3. Reference: Plat Number 11408
4. Total Area Disturbed: 19600 sq ft
5. A fee in lieu of Stormwater Management was paid for this subdivision per F-94-73.

PRESERVATION PARCEL 2  
 N 16°47'42" E 1290.5'  
 50' BRL  
 50,798 sq ft  
 FOREST CONSERVATION EASEMENT  
 N 3°2'30" W 1518.0'  
 FOREST CONSERVATION EASEMENT  
 S 64°00'00" E 1518.0'  
 FOREST CONSERVATION EASEMENT

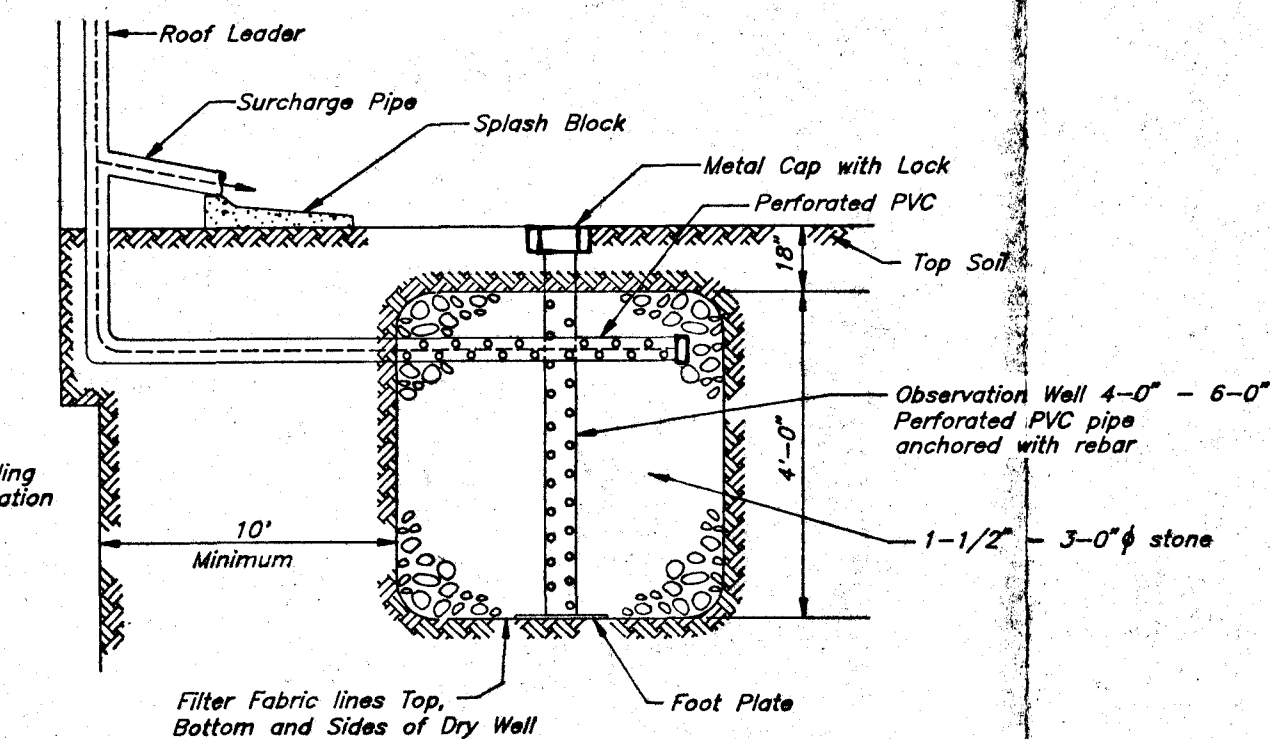
BY COPY OF THIS PLAN, THE HOWARD COUNTY HEALTH DEPARTMENT ACCEPTS THIS MODIFICATION TO THE PLATTED SEWER DISPOSAL EASEMENT.

Approved Septic System Plan  
 Howard County Health Department

Signature: *[Signature]* Date: 12/23/96



DRY WELL CHART				
LOT No.	AREA REQUIRED	AREA PROVIDED	No. WELLS	SIZE WELLS
6	217 CF	220 CF	2	5.5'x5'x4'DEEP



TYPICAL DRY WELL CROSS SECTION  
 NOT TO SCALE

**DEVELOPER'S/BUILDER'S CERTIFICATE**

"I/We certify that all development and construction will be done according to this plan of development and plan for sediment and erosion control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary."

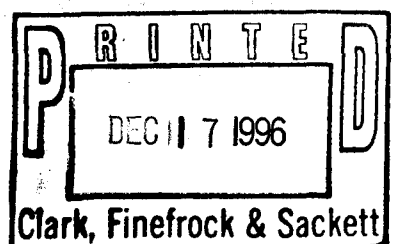
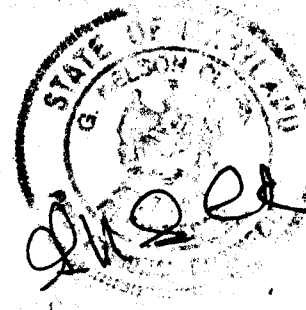
*[Signature]*  
 NAME

12-10-96  
 DATE

**ENGINEER'S CERTIFICATE**

I hereby certify that this plan for Sediment and Erosion Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

*[Signature]* 12-10-96  
 G. NELSON CLARK DATE



<b>CLARK • FINEFROCK &amp; SACKETT, INC.</b> ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (410) 381-7500 - BALTO • (301) 621-8100 - WASH.		
DESIGNED JME	SITE DEVELOPMENT, SEDIMENT AND EROSION CONTROL PLAN LOT 6 <b>DEER TRACK</b> TAX MAP 40 PARCEL 161 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: TRINITY BUILDERS, Inc. 6212 DEVON DRIVE COLUMBIA, MARYLAND 21044	SCALE 1"=50'
DRAWN PS		DRAWING 1 of 1
CHECKED LW		JOB NO. 96-202
DATE 12-10-96		FILE NO. 96-202x