

8/22  
CO. LAYOUT 10-11  
PA IN 50 - 2-3  
8/28/97  
WPT - Anytime

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

# INDEXED

P 58548

A 09922

DISTRICT 5th

DATE 7-3-97

DATE SYSTEM APPROVED 8-22-97

INSPECTOR ALM

#### HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXXXX~~ 410-313-2640

# 357705

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

ADDRESS 4410 Salem Bottom Road, Westminster, Maryland PHONE 410-875-4197

SUBDIVISION Beaufort Park LOT 13 ROAD 8509 Edenton Road (Block F)

PROPERTY OWNER Jacobsen Homes, LLC

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS **\*\*\*MANHOLE CLEANOUT REQUIRED ON SEPTIC TANK\*\*\***

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 180 (3-60')

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 the distribution box 175 feet down the left lot line and 70 feet off this same lot line as seen when facing the lot from Edenton Road. Run trenches on contour ~~in both directions.~~ towards the 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. OK KM 6/4/97

PLANS APPROVED BY Donna K. Soe/Kim Maiste REVISED \_\_\_\_\_ DATE 06/02/97

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

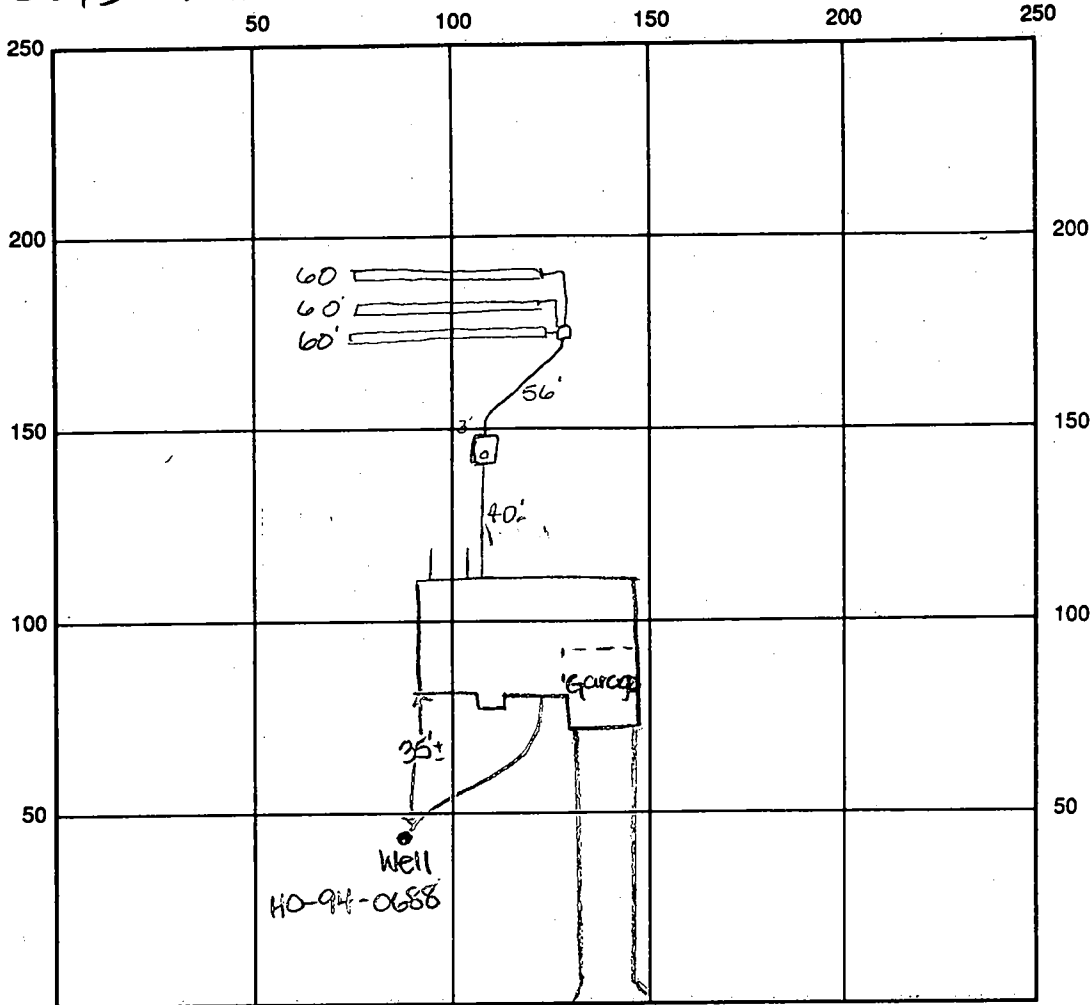
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

58548

# 3513 EDETON ROAD



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Edenton Road

SEPTIC TANK LEVEL 1250 gal CLEANOUTS OK

DISTRIBUTION BOX LEVEL OK baffel 15 in

DRAIN FIELD/TITLE DEPTH 7.0 FT. TRENCH WIDTH 2.0 FT. INLET DEPTH 3.0 FT.

EFFECTIVE GRAVEL DEPTH 4.0 FT. TOTAL LENGTH 180 FT.

NUMBER OF TRENCHES 3.0 ONE SIDEWALL BOTTOM AREA 720 SQ. FT.  $\frac{3 \times 180}{2} = 270$

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

ABSORBENT AREA — SQ. FT.

REMARKS: 8/22/97 A.M. OK to start system as specified. ALM/DKS

8/22/97 OK to cover all work final ALM

8/28/97 WPI - well line, P.A. 4' b.g. Well using 1' a.g. Epc cap installed. OK to cover. DKS

DATE SYSTEM APPROVED 8/22/97 INSPECTOR A McMiller

conf.  
Reperc  
9/27/95  
1:00

# APPLICATION

PERCOLATION TESTING

A. 09922

P. \_\_\_\_\_

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

DISTRICT \_\_\_\_\_

DATE \_\_\_\_\_

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 Jacobsen Homes, Inc.

ADDRESS 9409 Elizabeth Ct. Fulton PHONE \_\_\_\_\_

AGENT OR PROSPECTIVE BUYER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION Beaufort Park LOT NO. 13, BIK. F, Plot 2

ROAD AND DESCRIPTION Edenton Rd.

TAX MAP \_\_\_\_\_ PARCEL # \_\_\_\_\_

SIZE OF LOT \_\_\_\_\_ TYPE BLDG. SFD - 4 Brms.  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

**BLDG. PERMITS SIGNED  
AND RETURNED 6-3-97  
Serial # B1105937**

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 \_\_\_\_\_

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

A09932

COUNTY #

258'

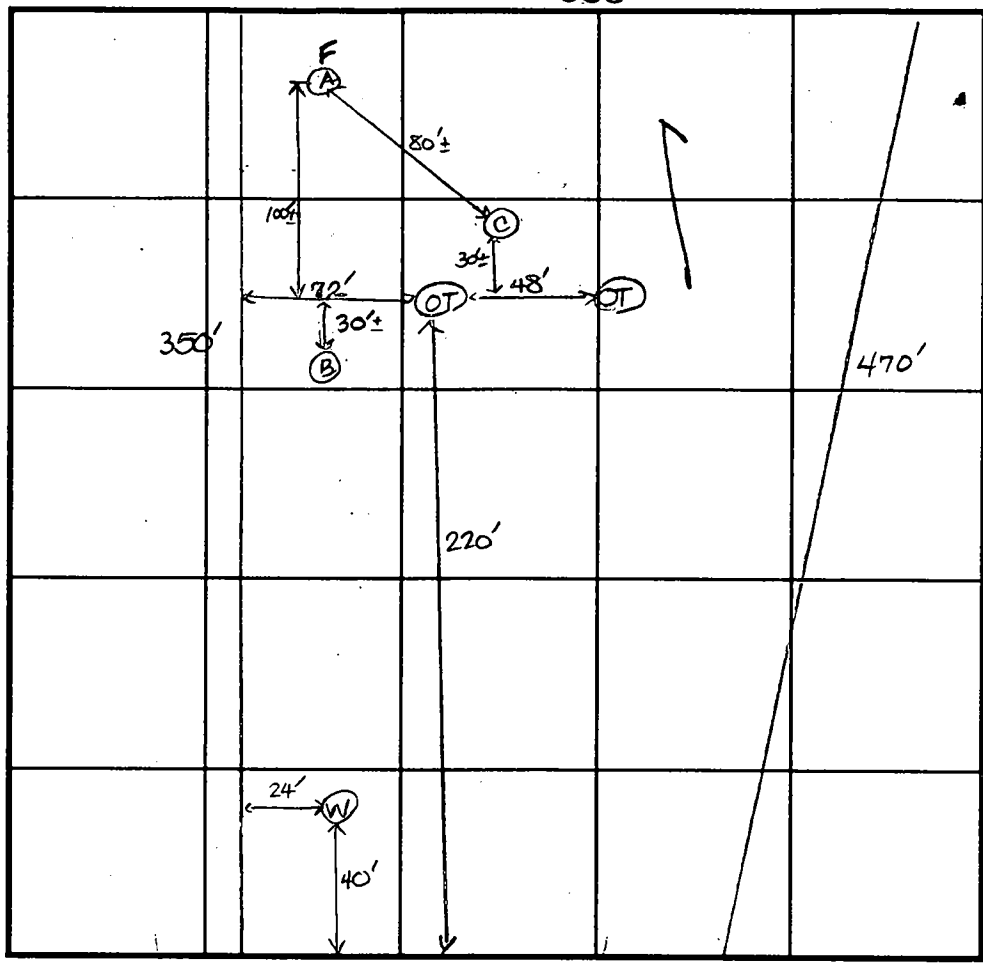
SOIL PROFILE

SOIL PROFILE

0' (A)  
 1' topsoil  
 br cl lm  
 green br to gr sl cl lm  
 grey si d lm  
 12' cave-in

0' (B)  
 1' topsoil  
 or red br cl lm  
 3.5' lt or br to tan si sa lm  
 59% rock frags

0' (C)  
 1' topsoil  
 or red br cl lm  
 3-4' lt or br to lt br si sa lm  
 5-10% rock frags



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.  
 Edenton Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9-27-95	A	12.0'D	Visual	- See profile			F
	B	3.5'S	1:53:30	1:54:30	1:54:30	1:56	2
		6.5'M	1:48	1:49:30	1:49:30	1:53	4
		12.0'D	see profile				
	C	12.0'D	Visual - See profile				

REMARKS Well site approved at time of perc

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

TESTED BY D. Soe ALSO PRESENT Mr. Jacobsen

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 3 TRENCH WIDTH 2'

INLET DEPTH 3 MAXIMUM BOTTOM DEPTH 7 SQ. FT./BEDROOM 180

# APPLICATION

A09922 A 09

SEWAGE DISPOSAL TESTING

P

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

ELLICOTT CITY

Septic Tank - 3 bedrooms - 750 gal  
4 " - 1000 gal  
5 " - 1500 gal.

DISTRICT 5

DATE 3/31/65

Dry Well - 100 sq ft sidewall area below inlet pipe per bedroom.

Place Dry Well 120 ft from rear lot line and 120 ft from left side as seen when facing lot from Edenton Rd.

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TESTS IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Anne K. Gray & Susie Kondrup

ADDRESS 5132 Loughboro Rd., Washington 16, D. C. PHONE 588-5454

PROPERTY LOCATION:

SUBDIVISION Beaufort Park LOT NO. 13, Blk. F, Plat 2

ROAD AND DESCRIPTION Edenton Rd.

OCCUPANT \_\_\_\_\_ PHONE \_\_\_\_\_

PERSON TO CONSTRUCT SYSTEM \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

SIZE OF LOT 66,396 sq. ft. TYPE BLDG. 4 or 5  
NUMBER OF BEDROOMS

IF NOT SINGLE RESIDENCE DESCRIBE \_\_\_\_\_

SIGNATURE OF APPLICANT /s/ C. J. Beall

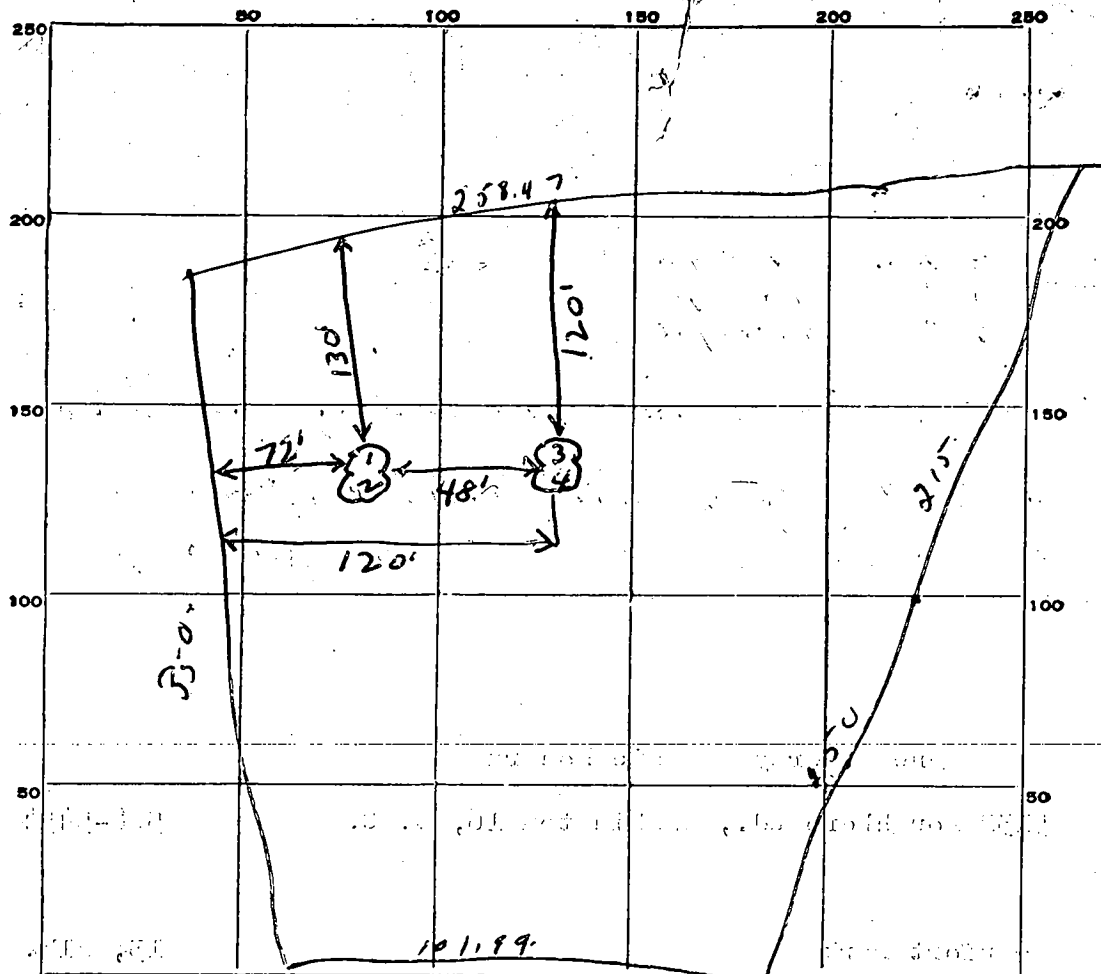
APPROVED BY J. H. Kalmore FOR Dry well DATE 4/13/65  
(KIND OF SYSTEM)

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_  
(KIND OF SYSTEM)

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

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

# THIS IS NOT A PERMIT



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

*Edleston Road*

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/13/65	1	8	10:34	10:38	10:38	10:43	5 min
"	2	4	10:34	10:37	10:37	10:41	4 min
"	3	8	10:37	10:42	10:42	10:47	5 min
"	4	4	10:37	10:41	10:41	10:46	5 min

SOIL AUGER FINDING \_\_\_\_\_

TESTED BY *JHK* \_\_\_\_\_

REMARKS \_\_\_\_\_

*L 13F plot 2*

B 1 **8542**  
1 2 3 4 5 6  
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

SEQUENCE NO. (DP USE ONLY)

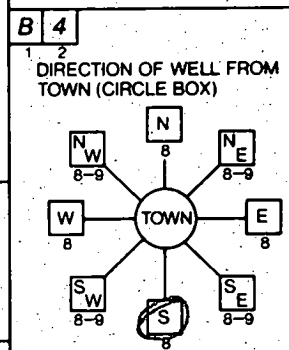
STATE OF MARYLAND  
APPLICATION FOR PERMIT TO DRILL WELL  
please print or type

STATE PERMIT NUMBER  
**10-94-0688**  
70 fill in this form completely 78

Date Received (APA) **092995**  
OWNER INFORMATION  
**JACOBSEN Homes**  
15 Last Name 34 Owner First Name  
**9409 ELIZABETH CT**  
36 Street or RFD 55  
**FULTON** **MD20759**  
57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL  
1 2  
**HOWARD** COUNTY 21  
**BEAUFORT PARK** SUBDIVISION 42  
SECTION   LOT **13**  
**FULTON** NEAREST TOWN 71  
MILES FROM TOWN (enter 0 if in town) **3** M F  
73 76 77 78

DRILLER INFORMATION MSD/MGD/MWD  
**Joseph C. Mayan** 24  
Driller's Name 77 License No. 80  
**Joseph C. Mayan Well Drilling**  
Firm Name  
**5512 Ridge Rd. Mt. Airy, Md. 21771**  
Address  
**Joseph C. Mayan** **9/28/95**  
Signature Date



**Edenton Road** NEAR WHAT ROAD 30  
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
NORTH  
N  
WEST W 37  
SOUTH S 37  
EAST E 37  
DISTANCE FROM ROAD **60**  
ENTER FT OR MI **FT**  
38 39  
TAX MAP: \_\_\_\_\_ BLK: \_\_\_\_\_ PARCEL \_\_\_\_\_

B 2 WELL INFORMATION  
APPROX. PUMPING RATE (GAL. PER MIN.) **5**  
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **500**  
8 12 14 20

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)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL  
**Howard** **A 09922**  
COUNTY NAME COUNTY NO.  
STATE SIGNATURE \_\_\_\_\_ INSERT S   
DATE ISSUED **100295** **Donna K See** **10/1/96**  
43 48 CO SIGNATURE EXP. DATE  
NORTH GRID **475000** EAST GRID **0817000**  
50 55 57 63

APPROXIMATE DEPTH OF WELL **300** FEET  
24 28

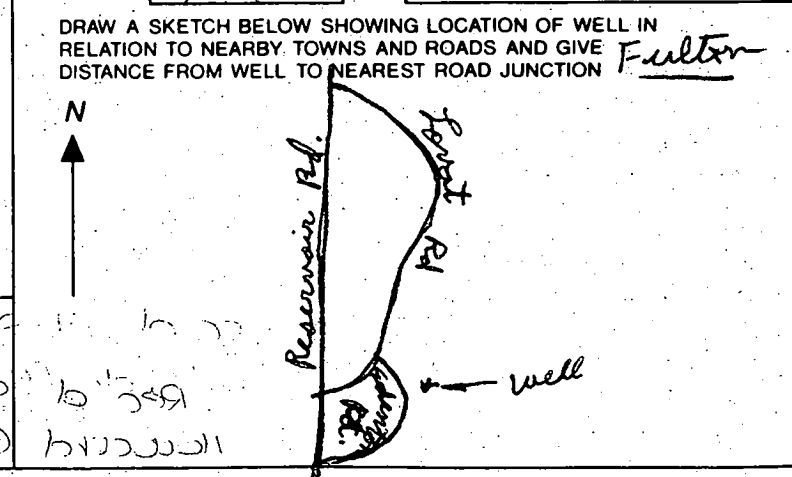
APPROXIMATE DIAMETER OF WELL **6** INCH  
NEAREST INCH

METHOD OF DRILLING (circle one)  
BORED (or Augered) JETTED Jetted & DRIVEN  
30 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)  
37 CABLE REVerse-ROTary DRIVE-POINT  
other \_\_\_\_\_

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  
39  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 DEEPEM AN EXISTING WELL  
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 \_\_\_\_\_ 52

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X  
SOURCES OF DRILLING WATER  
1. **WELL**  
2.  
3.  
WRITE THE BOX NUMBER FROM THE MAP HERE  
**8109**  
**4705**  
000  
000

Not to be filled in by driller (OEP USE ONLY)  
APPROX. PERMIT NUMBER **AGAP-3**  
54 63 65 P  
FORCE **DS** WRITE INITIALS IN BOX 87 88 PERMIT No. **10-94-0688**  
70 71 72 73 74 75 76 77 78 79



SPECIAL CONDITIONS  
NOTE = APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED =  
COUNTY

C1- 2846 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

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

FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE

COUNTY NUMBER A09922

ST/CO USE ONLY DATE RECEIVED 10/18/95

DATE WELL COMPLETED 10/1/95

Depth of Well 325 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HC-94-0688

OWNER Jacobsen Homes last name Edenton Road first name TOWN FULTON SUBDIVISION Beaufort Park SECTION LOT 13

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. Handwritten entries: Sand (0-47), Gray Mica Rock (47-325).

GROUTING RECORD WELL HAS BEEN GROUTED (Y) (N)

TYPE OF GROUTING MATERIAL (Circle one) CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 17 NO. OF POUNDS 1598

CASING RECORD casing types insert appropriate code below ST STEEL CO CONCRETE PL PLASTIC OT OTHER

MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch)! Total depth of main casing (nearest foot) SF 6 51

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 BRONZE PL PLASTIC HO OPEN HOLE OT OTHER

NUMBER OF UNSUCCESSFUL WELLS: 0 WELL HYDROFRACTURED (Y) (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 24 DRILLERS LIC. NO.

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) Joseph E. Mayne

LIC. NO. 27 RARRY MAYNE

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

DEPTH (nearest ft.) table with columns 1-51. Handwritten entries: 1: H0 49 325

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 74 75 76 TELESCOPE CASING LOG INDICATOR OTHER DATA

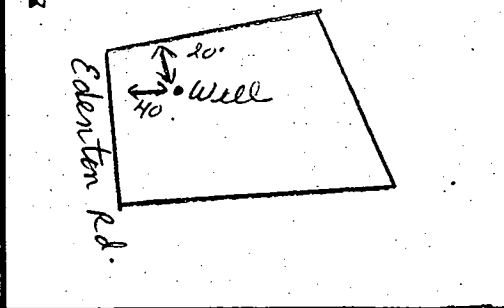
C 3 PUMPING TEST

HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 004.2 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 27 ft. WHEN PUMPING 27 ft. 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. 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) 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)



and option to acquire the fee simple title to the beds hereon within the period of five years of this plat among the heirs.

COUNTY ROADS SUPERINTENDENT

DATE

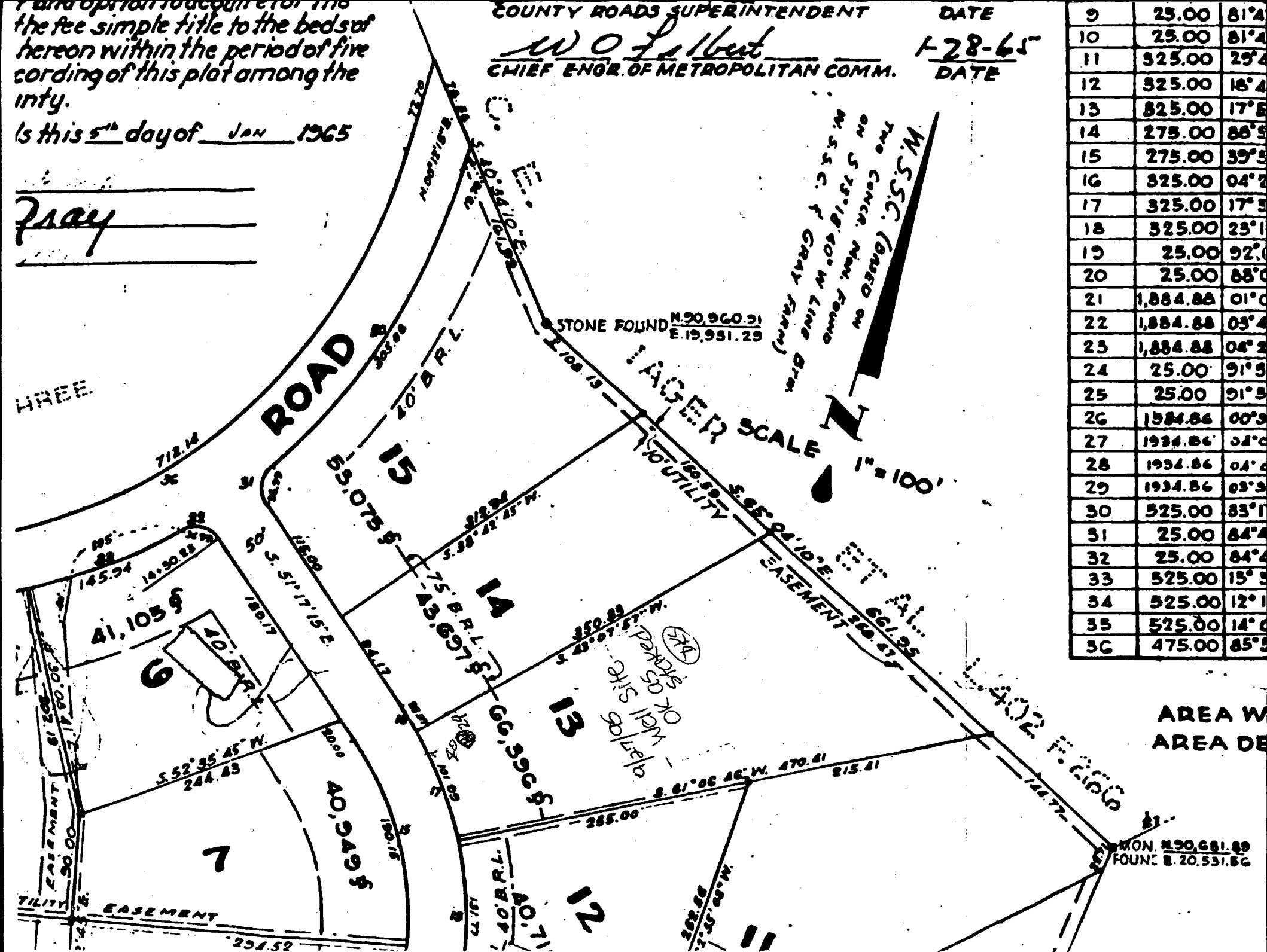
W O F. West  
CHIEF ENGR. OF METROPOLITAN COMM.

1-28-65  
DATE

Is this 5<sup>th</sup> day of Jan 1965

Pray

FREE



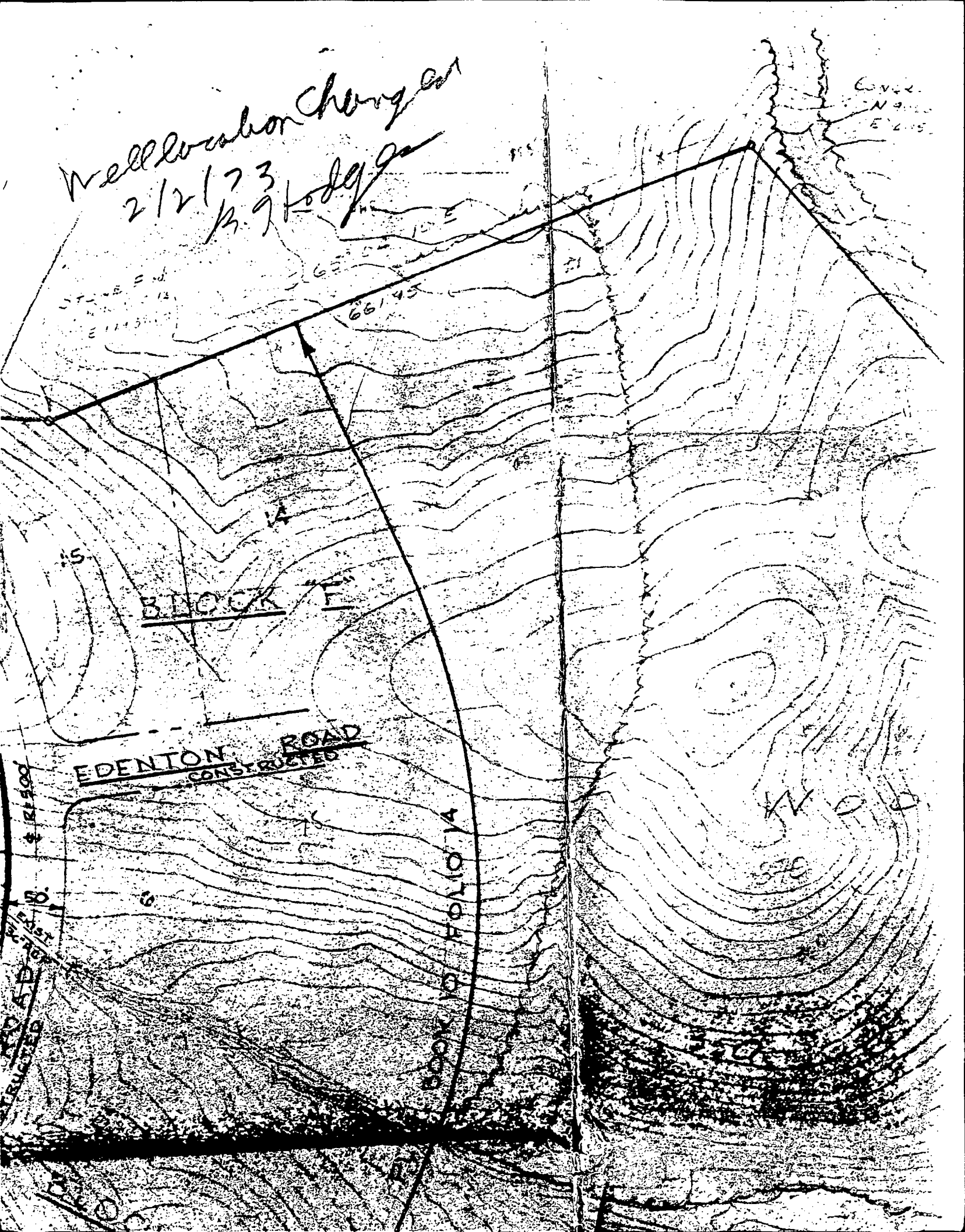
9	25.00	81° 4'
10	25.00	81° 4'
11	325.00	25° 4'
12	325.00	16° 4'
13	325.00	17° 5'
14	275.00	88° 5'
15	275.00	39° 5'
16	325.00	04° 7'
17	325.00	17° 5'
18	325.00	23° 1'
19	25.00	92° 0'
20	25.00	88° 0'
21	1,884.88	01° 0'
22	1,884.88	03° 4'
23	1,884.88	04° 2'
24	25.00	91° 5'
25	25.00	91° 5'
26	1,934.86	00° 3'
27	1,934.86	04° 0'
28	1,934.86	04° 0'
29	1,934.86	03° 3'
30	525.00	83° 1'
31	25.00	84° 4'
32	25.00	84° 4'
33	525.00	15° 5'
34	525.00	12° 1'
35	525.00	14° 0'
36	475.00	85° 5'

AREA W  
AREA DE

MON. N. 90.681.89  
FOUND E. 20.531.86

Well location Chong'an  
2/2/73  
B.9 / J.9

Contour  
N 90  
E 4.5



BROOK

EDENTON ROAD  
CONSTRUCTED

BOOK OF FOLIO 1A

WOOD

661.45

5

6

570

CONSTRUCTED

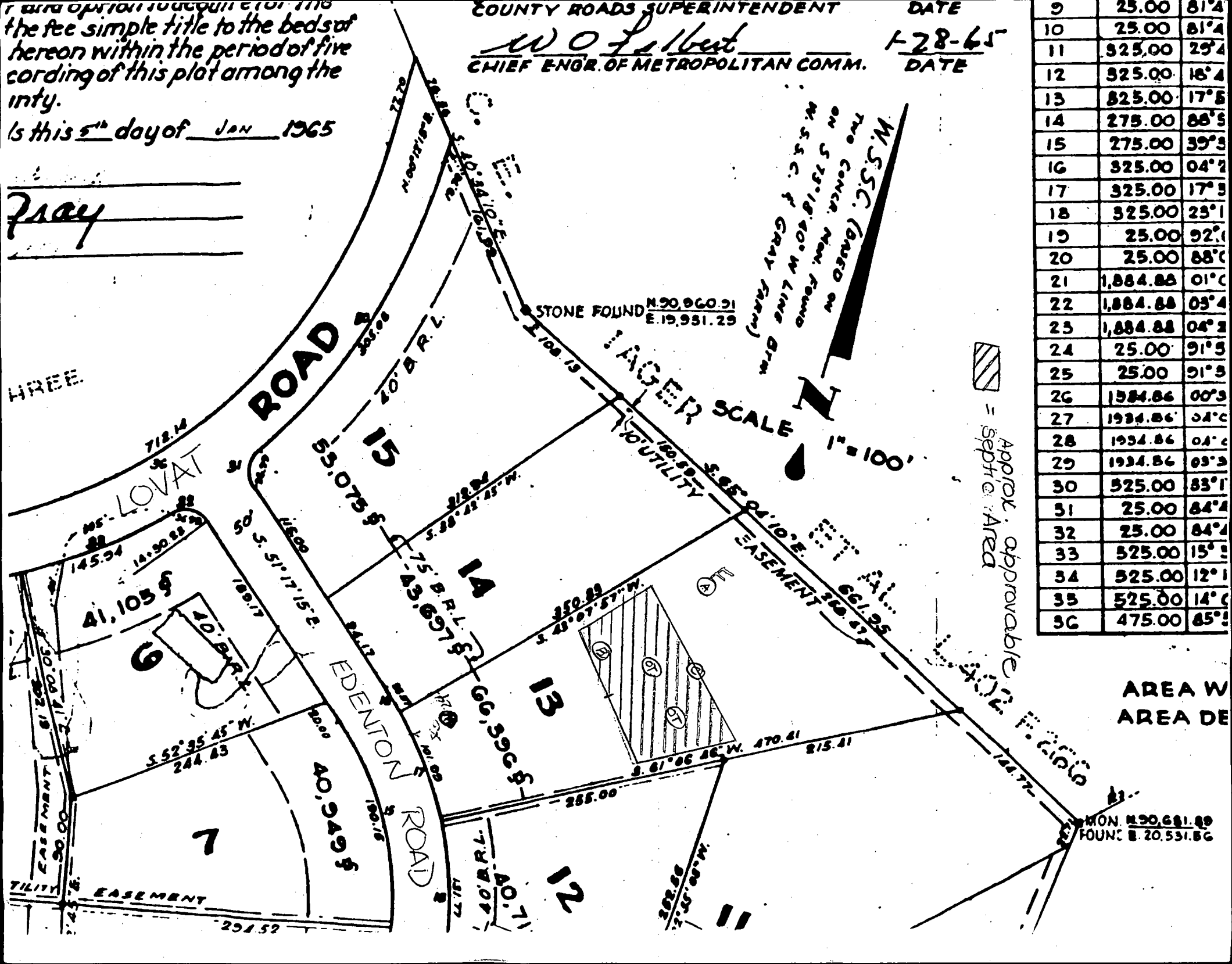
the fee simple title to the beds hereon within the period of five cording of this plot among the inty.

Is this 5<sup>th</sup> day of JAN 1965


Pray

COUNTY ROADS SUPERINTENDENT  
W O F. West  
 CHIEF ENGR. OF METROPOLITAN COMM.

DATE  
1-28-65  
 DATE



9	25.00	81° 4
10	25.00	81° 4
11	325.00	29° 4
12	325.00	18° 4
13	325.00	17° 5
14	275.00	88° 5
15	275.00	39° 3
16	325.00	04° 2
17	325.00	17° 3
18	325.00	23° 1
19	25.00	92° 1
20	25.00	88° 0
21	1,884.88	01° 0
22	1,884.88	03° 4
23	1,884.88	04° 2
24	25.00	91° 3
25	25.00	91° 3
26	1,584.86	00° 3
27	1,934.86	04° 0
28	1,934.86	04° 0
29	1,934.86	03° 3
30	325.00	83° 1
31	25.00	84° 4
32	25.00	84° 4
33	325.00	15° 3
34	325.00	12° 1
35	325.00	14° 0
36	475.00	85° 1

 = Approx. approvable Septic Area

AREA W  
 AREA DE

MON. N. 90.681.89  
 FOUND. E. 20.531.86

**ENGINEER'S CERTIFICATE**

I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITION AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*Edward Case* 5-29-97  
SIGNATURE OF ENGINEER DATE

**DEVELOPER'S CERTIFICATE**

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES 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.

*Robert Purdy-Adams* 5/29/97  
SIGNATURE OF DEVELOPER DATE

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

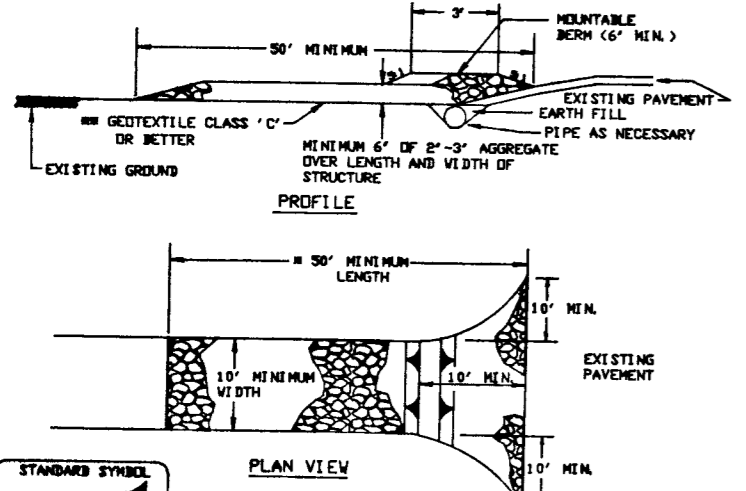
*Cheryl Simmons* 5/29/97  
U.S. SOIL CONSERVATION DISTRICT DATE

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

*John Wharton* 5/29/97  
DISTRICT HOWARD SOIL CONSERVATION DIST. DATE

**SEDIMENT CONTROL NOTES**

- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSING AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (313-1055).
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THERETO.
- FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, Dikes, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3:1. 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING (SEC. 51), 500 (SEC. 54), TEMPORARY SEEDING (SEC. 50), AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:  
TOTAL AREA OF SITE 1.524 ACRES  
AREA DISTURBED 0.52 ACRES  
AREA TO BE ROOFED OR PAVED 0.07 ACRES  
AREA TO BE VEGETATIVELY STABILIZED 0.93 ACRES  
TOTAL CUT 500 CU.YDS.  
TOTAL FILL 500 CU.YDS.  
OFFSITE WASTE/BORROW AREA LOCATION - CU.YDS.
- ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
- TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH SHALL BE BACK-FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.



- STABILIZED CONSTRUCTION ENTRANCE - 2**  
NOT TO SCALE
- Length - minimum of 50' (40' for single residence lot).
  - Width - 10' minimum, should be flared at the existing road to provide a turning radius.
  - Geotextile fabric (11' ten cloth) shall be placed over the existing ground prior to placing stone. The plan approval authority may not require a single family residences to use geotextile.
  - Stone - crushed aggregate (2" to 3") or recycled concrete and/or brick shall be placed at least 6" deep over the length and width of the entrance.
  - Surface Water - all surface water flowing to or adjacent toward construction entrances shall be piped through the entrance, minimal 1/2" pipe. Pipe to be installed through the stabilized construction entrance shall be protected with a mountable berm with 5:1 slopes and a minimum of 6" of stone over the pipe. Pipe has to be sized according to the drainage. When the SCE is located at a high spot and has no drainage to convey a pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 6" minimum will be required.
  - Location - A stabilized construction entrance shall be located at every point where construction traffic enters or leaves a construction site. Vertical clearance shall be maintained over the entire length of the stabilized construction entrance.

**SEQUENCE OF CONSTRUCTION**

- OBTAIN GRADING PERMIT.
- INSTALL SEDIMENT CONTROLS AS SHOWN ON PLAN.
- PERFORM NECESSARY GRADING AND STABILIZE THE SITE.
- AFTER THE SITE IS STABILIZED AND PERMISSION IS GRANTED FROM THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROLS AND STABILIZE ANY REMAINING DISTURBED AREAS.

**TEMPORARY SEEDING NOTES**

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

**SEEDING PREPARATION**

LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING. IF NOT PREVIOUSLY LOOSENED.

**SOIL AMENDMENTS**

APPLY 500 LBS. PER ACRE 10-10-10 FERTILIZER (4 LBS./1000 SQ. FT.)

**SEEDING**

FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 1 1/2 BUSHEL PER ANNUAL RYE (3.2 LBS./1000 SQ.FT.) FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS./ACRE OF WEEPING LOVEGRASS (07 LBS./1000SQ.FT.) FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 28. PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WEAVING MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOD.

**MULCHING**

APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 210 GALLONS PER ACRE (5 GAL./1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT ACRES, ON SLOPES 0 FEET OR HIGHER, USE 340 GALLONS PER ACRE (6 GAL./1000 SQ.FT.) FOR ANCHORING.

**PERMANENT SEEDING NOTES**

ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:

**SEEDING PREPARATION**

LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

**SOIL AMENDMENTS**

APPLY TWO TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1000 SQ.FT.) AND 600 LBS. PER ACRE 0-20-20 FERTILIZER (4 LBS./1000 SQ.FT.) BEFORE SEEDING HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 30-0-0 UREAFORM FERTILIZER (6 LBS./1000 SQ.FT.) AND 500 LBS. PER ACRE (11.5 LBS./1000 SQ.FT.) OF 10-20-20 FERTILIZER.

**SEEDING**

FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 100 LBS. PER ACRE (2.3 LBS./1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 60 LBS./ACRE (2 LBS. PER ACRE (0.05 LBS./1000 SQ.FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THROUGH FEBRUARY 28, PROJECT SITE BY: OPTION (1) - TWO TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING; OPTION (2) - USE 500; OPTION (3) - SEED WITH 100 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH TWO TONS/ACRE WELL ANCHORED STRAW. ALL SLOPES SHOULD BE HYDROSEEDED.

**MULCHING**

APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (5 GAL./1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT ACRES, ON SLOPES 0 FEET OR HIGHER, USE 340 GALLONS PER ACRE (6 GAL./1000 SQ.FT.) FOR ANCHORING.

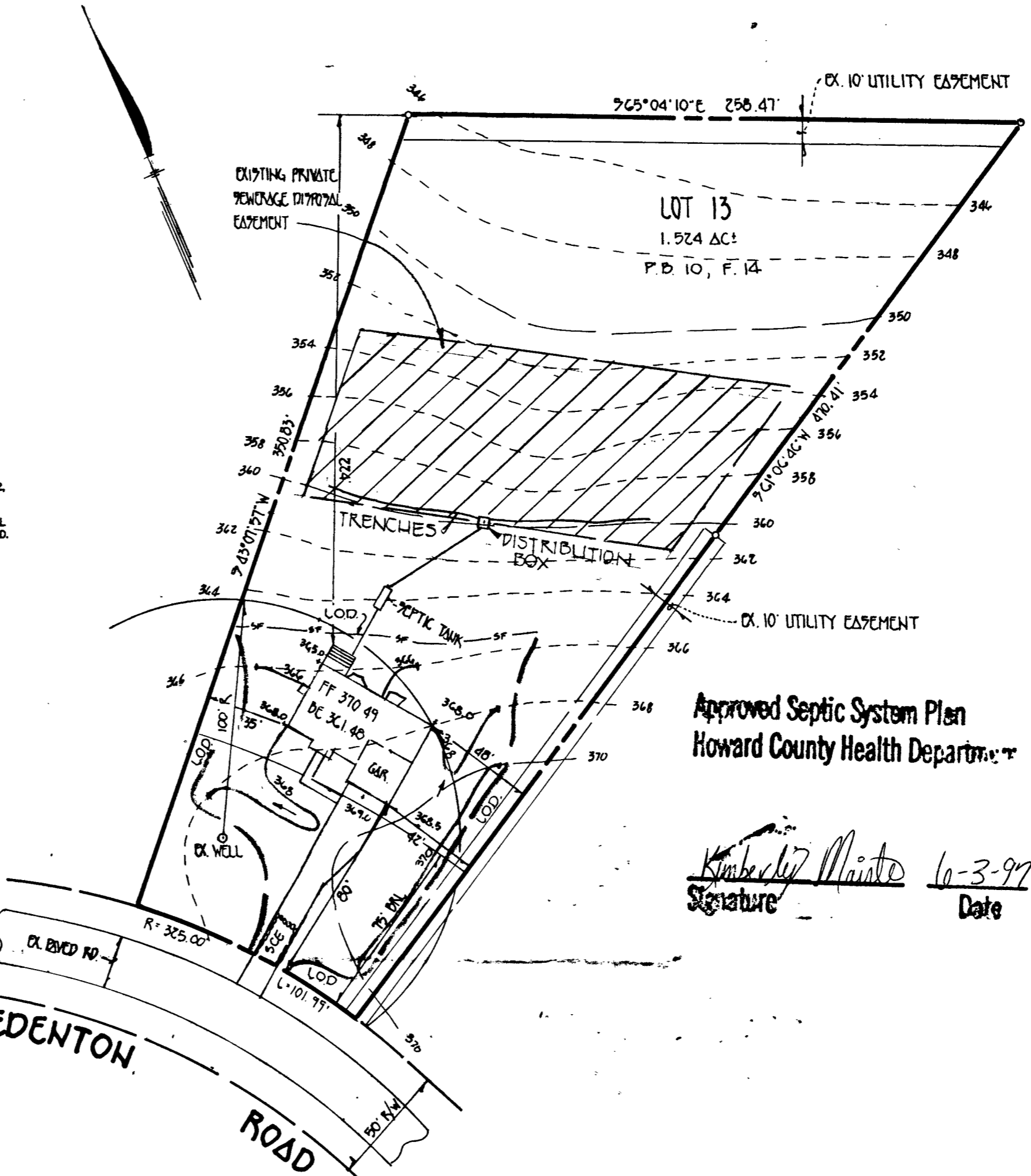
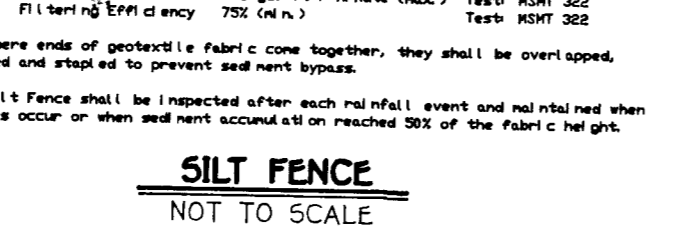
**MAINTENANCE**

INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

\* FOR PUBLIC PONDS SUBSTITUTE CHEMUNG CROWN VETCH AT 15 LBS./ACRE AND KENTUCKY 31 TALL FESCUE AT 40 LBS./ACRE AS THE SEEDING REQUIREMENT. OPTIMUM SEEDING DATE FOR THIS MIXTURE IS MARCH 1 TO APRIL 30.

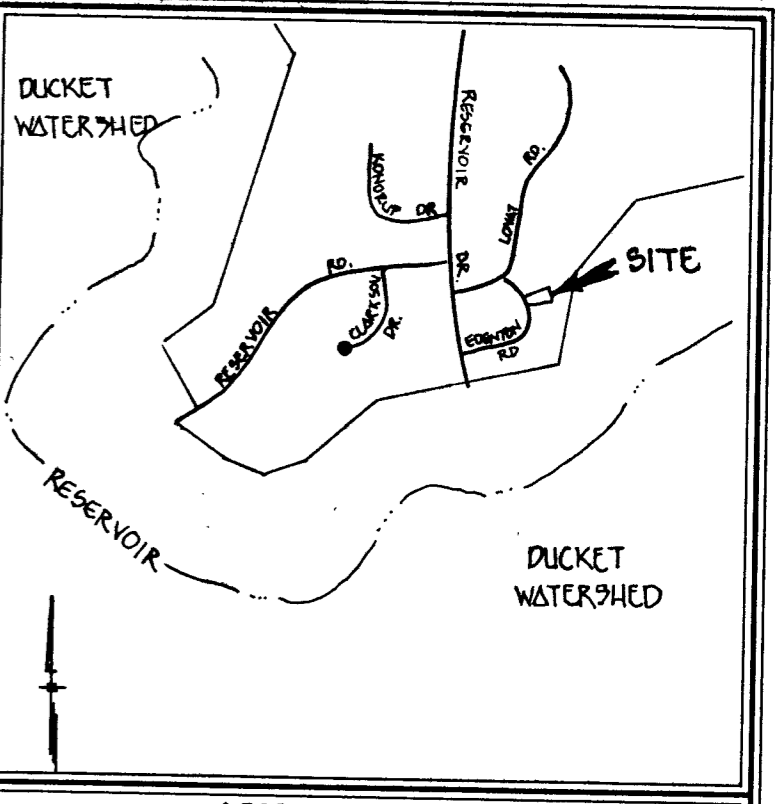
**SILT FENCE**

NOT TO SCALE



Approved Septic System Plan  
Howard County Health Department

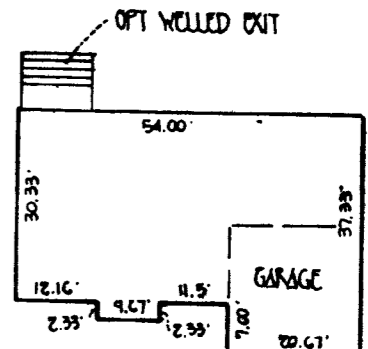
*Kimberly Maisto* 6-3-97  
Signature Date



VICINITY MAP  
SCALE: 1"=2000'

**GENERAL NOTES**

- SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT NO. A 07193.
- PROPOSED 1500 GALLON SEPTIC TANK.
- A. FIRST FLOOR ELEVATION: 370.49  
B. BASEMENT ELEVATION: 361.40  
C. INVERT OF SEPTIC SYSTEM AT HOUSE: 358.9  
D. INVERT AT SEPTIC TANK: 358.3  
E. INVERT OUT AT SEPTIC TANK: 358.0  
F. PROPOSED GRADE OVER SEPTIC TANK: 364.0  
G. INVERT AT DISTRIBUTION BOX: 357.00  
H. EXISTING GROUND OVER DISTRIBUTION BOX: 360.0
- LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
- CONTRACTOR / BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING ANY CONSTRUCTION.



BROADEN RESIDENCE  
NOT TO SCALE

GP-97-175  
PLAN TO ACCOMPANY APPLICATION FOR  
BUILDING PERMIT  
BEAUFORT PARK  
LOT 13

TAX MAP 45  
5TH ELECTION DIST.  
SCALE 1" = 50'  
PARCEL 27  
HOWARD COUNTY, MARYLAND  
DATE: MAY 27, 1997

*Edward Case*