

5/8/98
Final
5-22-98
AM
CAYCOT INSP.

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 59948-A
50463M
A ~~30268~~

#360591

DISTRICT _____

DATE 4-15-98

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXXXX~~

410-313-2640

INDEXED

DATE SYSTEM APPROVED 5.22.98

INSPECTOR KM

Walter King P&H Contractors IS PERMITTED TO INSTALL ALTER _____

ADDRESS 5305 King's Ct, Frederick, MD 21703 PHONE 831-4070

SUBDIVISION Riggs Property LOT 41 ROAD 2025 Meadow Tree Court

PROPERTY OWNER Ryan Homes

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 280

TRENCHES - Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 3 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Starting from the left rear lot corner, place the distribution box 105 feet down the left lot line and 55 feet off this same lot line. Run trenches to right side of lot on contour.

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 4.6.98

PLANS APPROVED BY Mark E. Rifkin DATE 03/30/98

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

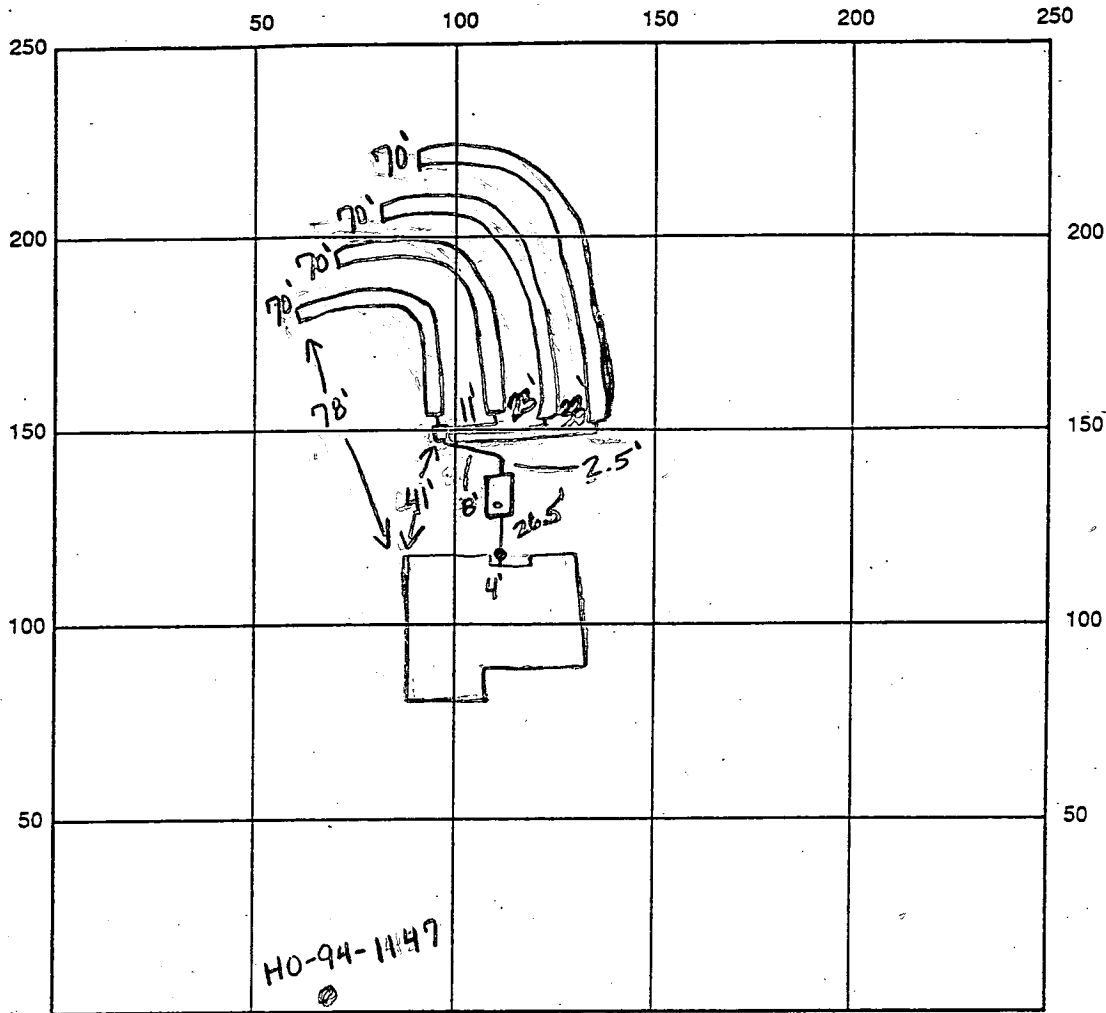
PERMIT VOID AFTER TWO YEARS

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 50463M



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL OK, 1250 gallons

CLEANOUTS 1 at house, 1 on tank

DISTRIBUTION BOX LEVEL OK

DRAIN FIELD/TITLE DEPTH 5.0 FT.

TRENCH WIDTH 3.0 FT.

INLET DEPTH 3.0 FT.

EFFECTIVE GRAVEL DEPTH 2.0 FT.

TOTAL LENGTH 70 x 4 FT. → 280

NUMBER OF TRENCHES 4

ONE SIDEWALL/BOTTOM AREA 840 SQ. FT.

DRYWALL INSIDE DIAMETER FT.

EFFECTIVE DEPTH BELOW INLET FT.

ABSORBENT AREA SQ. FT.

REMARKS: 5/18/98 Inv. out of house too deep by 2' - test hole dug, water @ 10.0' - can not put system deeper in ground - builder needs to change plumbing

5.22.98 has house connection ok to cover all work (KM)

INLET; P.A. 3.0' below grade, casing 1.0' above grade, has 2 piece cap, line Slewed out of house (KM)

DATE SYSTEM APPROVED 5.22.98

INSPECTOR Kim Minto

APPLICATION

PERCOLATION TESTING

A 50368

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 RYAN HORNES

ADDRESS 11460 CROWKIDGE DR. STE 705 PHONE _____
Owings Mills, Md 21117.

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Biggs Property LOT NO. 41

ROAD AND DESCRIPTION 2025 Meadow Tree Court

**BLDG. PERMIT SIGNED
AND RETURNED 3-31-98
Serial # B7110608
SFD - 4Bmm**

TAX MAP _____ PARCEL # _____

SIZE OF LOT _____ TYPE BLDG. _____
(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 _____

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

COUNTY #

SOIL PROFILE

726

dense red clay

orange brn silm

mottled silm could be H₂O related

727

dense lgt brn clay

orange brn silm slightly friable

mottled pink black & red silm very micaceous

728

bright orange silm

medium brown to yellow silm

SOIL PROFILE

633

red & yellow mottled clay

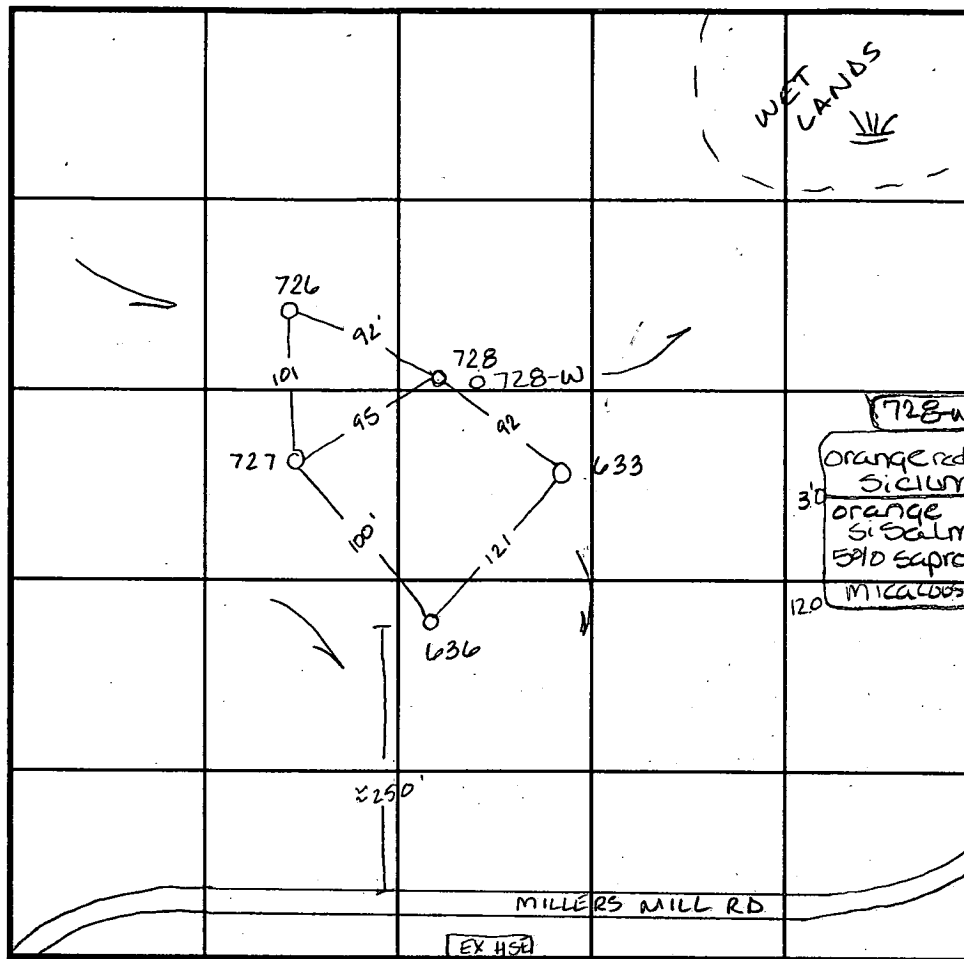
pink to red silm

red and yellow mottled silm

636

yellow tan clay

red & yellow mottled silm mottles may be from parent rock but hold for wet due to land post.



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
1-5-95	633	3.5' VII	8:26	8:28	8:28	8:32	4min
	636	4' VII.2	8:14	8:16 ³⁰	8:16 ³⁰	8:19	2 1/2 min
11-29-95	726	5' VII.2	2:19 ⁴⁵	2:21 ³⁰	2:21 ³⁰	2:24	2 1/2 min
	727	4.5' VII.2	1:56	2:04	2:04	2:20	16min
	728	6' VII.2	2:25	2:26	2:26	2:27 ³⁰	1 1/2 min
2-6-96	728-W	Visual	to 12.0 - see profile -		OK		

REMARKS wet season testing required

TYPE OF SOIL

TESTED BY Amy McMullen

ALSO PRESENT Clark Sperry

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM

B 1 **7470** SEQUENCE NO. (MDE USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

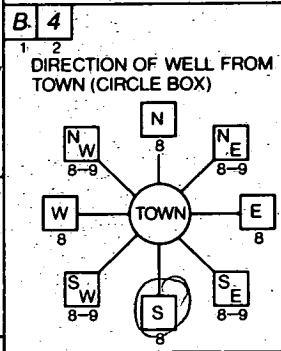
STATE OF MARYLAND
 PERMIT TO DRILL WELL
 please print or type

STATE PERMIT NUMBER
HO-94-1147
 fill in this form completely

Date Received (APA) **033197**
 OWNER INFORMATION
 Last Name **SOC** Owner First Name
 Street or RFD **PO BOX 417**
 Town **ELLICOTT A CITY** State **MD** Zip **21047**

B 3 LOCATION OF WELL
 COUNTY **HOWARD**
 SUBDIVISION **RIGGS PROPERTY**
 SECTION **41** LOT **41**
 NEAREST TOWN **COOKSVILLE**
 MILES FROM TOWN (enter 0 if in town) **1** MI

DRILLER INFORMATION
 Driller's Name **Joseph R. Mayne** License No. **024**
 Firm Name **Joseph R. Mayne Well Drilling**
 Address **5512 Ridge Rd. Mt. Airy Md. 21771**
 Signature **Joseph Mayne** Date **3/31/97**



NEAR WHAT ROAD **Meadowtree Ct**
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 DISTANCE FROM ROAD **80** FT
 TAX MAP: _____ BLK: _____ PARCEL: _____

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

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

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
 COUNTY NAME **Howard** COUNTY NO. **A50368**
 STATE SIGNATURE _____ DATE ISSUED _____
 CO SIGNATURE **A McMullen** EXP. DATE **5/15/98**
 NORTH GRID **540000** EAST GRID **2792000**

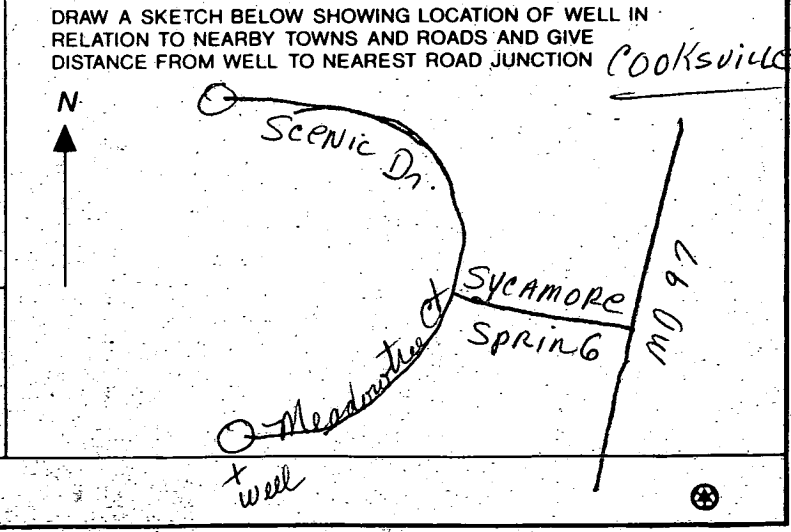
APPROXIMATE DEPTH OF WELL **200** FEET
 APPROXIMATE DIAMETER OF WELL **6** INCH

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
 E **7902**
 N **530**

6/10/97 11:30
NO INSP

METHOD OF DRILLING (circle one)
 BORED (or Augered) JETTED Jetted & DRIVEN
 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)
 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
 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) _____



Not to be filled in by driller (MDE OR COUNTY USE ONLY)
 APPROX. PERMIT NUMBER **GAP**
 FORCE **AM** WRITE INITIALS IN BOX PERMIT No. **HO-94-1147**

SPECIAL CONDITIONS
 NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

C1 9743

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE

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

COUNTY NUMBER A 50368

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

ST/CO/USE ONLY DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

Ho - 94 7747

OWNER SDC STREET OR RFD Meadowtree Ct. TOWN Cooksville SUBDIVISION Reed Property SECTION LOT 41

WELL LOG Not required for driven wells

GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box)

PUMPING TEST

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

TYPE OF GROUTING MATERIAL (Circle one)

HOURS PUMPED (nearest hour)

DESCRIPTION (Use additional sheets if needed)

CEMENT (CM) BENTONITE CLAY (BC)

PUMPING RATE (gal. per min.)

Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Rows: Brown shale 0-61, Gray mica rock 61-165.

NO. OF BAGS 15 NO. OF POUNDS 1410 GALLONS OF WATER 90 DEPTH OF GROUT SEAL (to nearest foot) from 0 to 59

METHOD USED TO MEASURE PUMPING RATE Bucket

CASING RECORD casing types insert appropriate code below

WATER LEVEL (distance from land surface)

MAIN CASING TYPE ST Nominal diameter top (main) casing (nearest inch)! 6 Total depth of main casing (nearest foot) 65

BEFORE PUMPING 26 ft.

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

WHEN PUMPING 74 ft.

SCREEN RECORD screen type or open hole insert appropriate code below

TYPE OF PUMP USED (for test)

NUMBER OF UNSUCCESSFUL WELLS: 1

DEPTH (nearest ft.)

TYPE OF PUMP INSTALLED

WELL HYDROFRACTURED Y N

HO 64 165

DRILLER WILL INSTALL PUMP (CIRCLE) YES NO

CIRCLE APPROPRIATE LETTER A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

Table with columns: A-C, S-C, R-E, S-E, N. Rows: 1-24, 25-48, 49-72.

IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.

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.

SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) 56 60

TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29.

DRILLERS LIC. NO. MS D024 DRILLERS SIGNATURE Joseph T. Mayne LIC. NO. M D

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

CAPACITY: GALLONS PER MINUTE (to nearest gallon)

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q

PUMP HORSE POWER

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

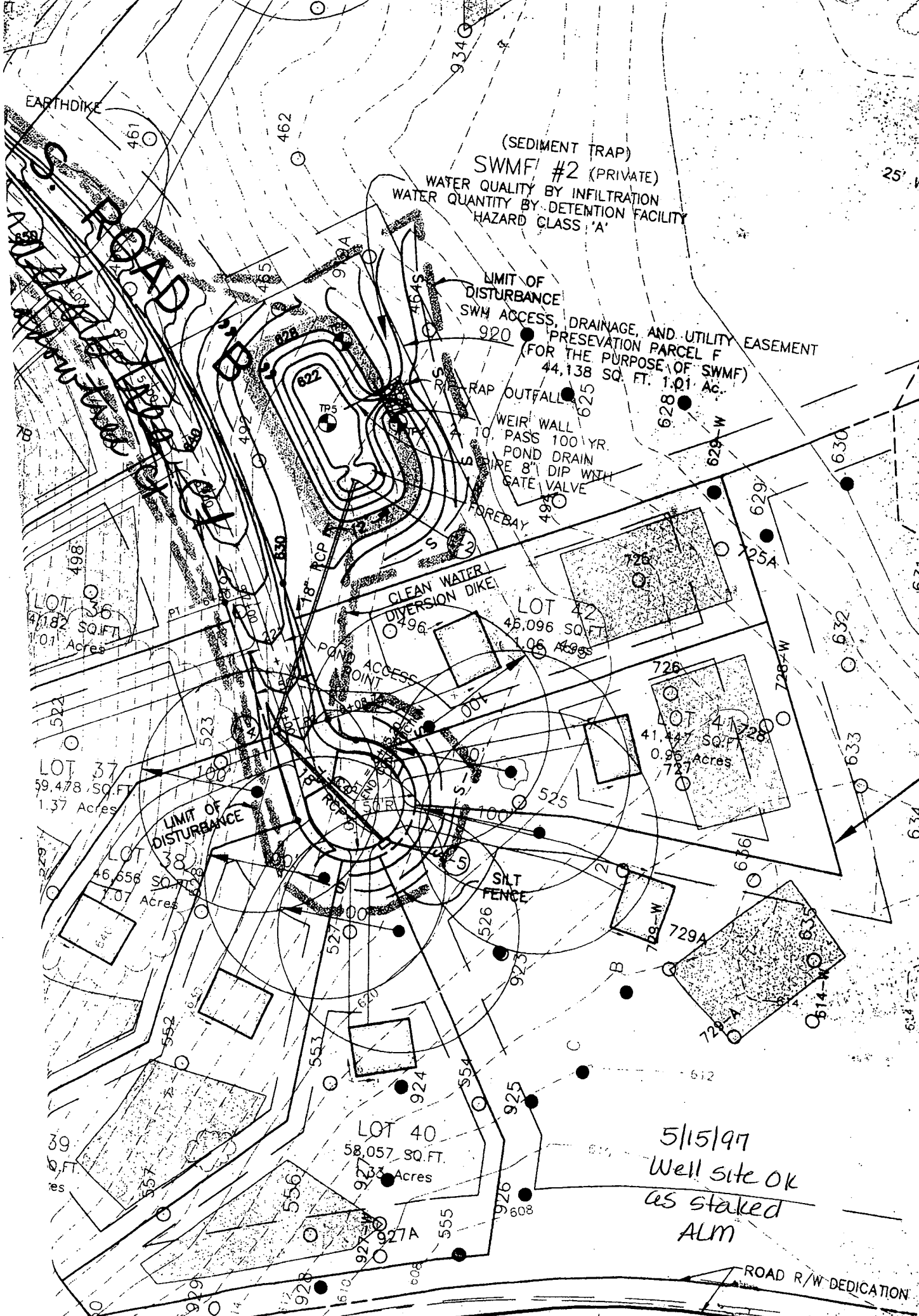
PUMP COLUMN LENGTH (nearest ft.)

CASING HEIGHT (circle appropriate box and enter casing height)

LAND SURFACE

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 locations



(SEDIMENT TRAP)
SWMF #2 (PRIVATE)
 WATER QUALITY BY INFILTRATION
 WATER QUANTITY BY DETENTION FACILITY
 HAZARD CLASS 'A'

LIMIT OF DISTURBANCE
 SWM ACCESS, DRAINAGE, AND UTILITY EASEMENT
 PRESERVATION PARCEL F
 (FOR THE PURPOSE OF SWMF)
 44,138 SQ. FT. 1.01 Ac.

WEIR WALL
 PASS 100 YR.
 POND DRAIN
 SLOPE 8% DIP WITH
 GATE VALVE

CLEAN WATER
 DIVERSION DIKE

LOT 36
 41,182 SQ. FT.
 0.94 Acres

LOT 37
 59,478 SQ. FT.
 1.37 Acres

LOT 38
 46,658 SQ. FT.
 1.06 Acres

LOT 42
 45,096 SQ. FT.
 1.02 Acres

LOT 41
 41,447 SQ. FT.
 0.95 Acres

LOT 40
 58,057 SQ. FT.
 1.33 Acres

5/15/97
 Well site OK
 as staked
 ALM

ROAD R/W DEDICATION

(SEDIMENT TRAP)
SWMF #2 (PRIVATE)
WATER QUALITY BY INFILTRATION
WATER QUANTITY BY DETENTION FACILITY
HAZARD CLASS 'A'

25' WETLAND BUFFER

LIMIT OF DISTURBANCE

SWM ACCESS, DRAINAGE, AND UTILITY EASEMENT
NON-BUILDABLE PRESERVATION PARCEL F.
920 (FOR THE PURPOSE OF SWMF)
44,138 SQ. FT. 1.01 Ac.

RAP OUTFALL
WEIR WALL
10' PASS 100 YR.
POND DRAIN
PIPE 8" DIP WITH
GATE VALVE
FOREBAY

LIMIT OF WETLANDS

CLEAN WATER
DIVERSION DIKE

LOT 42
45,096 SQ. FT.
1.05 Acres

POND ACCESS
POINT

SILT
FENCE

Approved
p. - 96-20

LOT 40
58,057 SQ. FT.
1.33 Acres

ROAD R/W DEDICATION

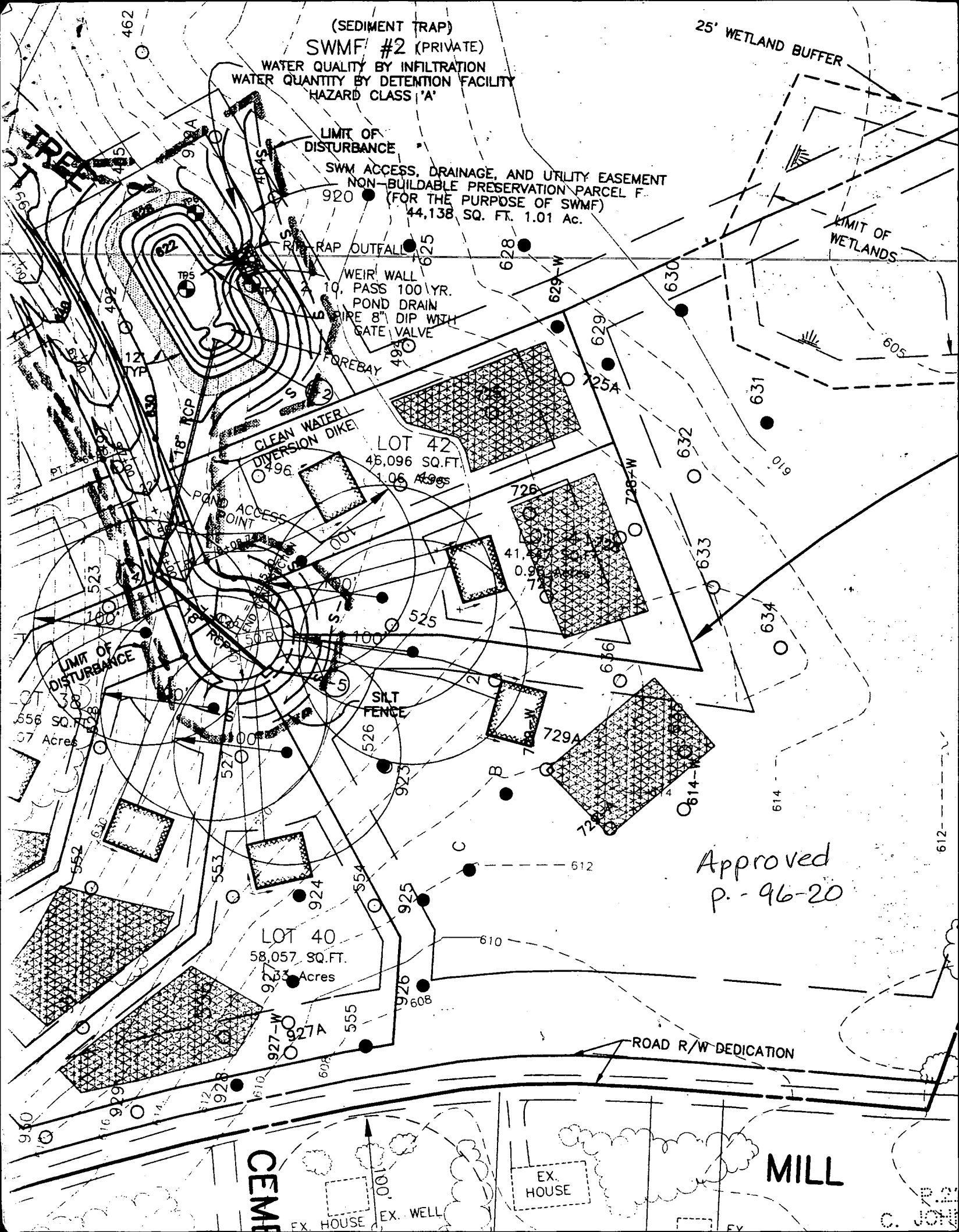
CEM

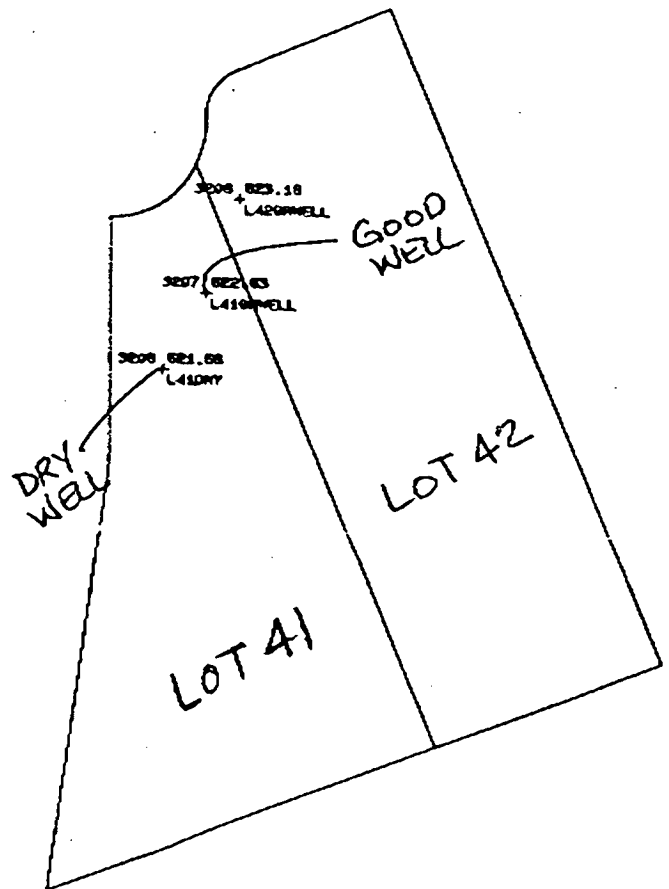
MILL

EX. HOUSE

EX. WELL

C. JON





Riggs 0533
1" = 100'

FOREST CONSERVATION EASEMENT (REFORESTATION) (PER VOGEL FARM SP-97-02) AREA THIS SHEET 2.24 Ac.± TOTAL AREA 6.9 Ac.±

LOT 40 58,054 Sq.Ft.

LOT 39 50,969 Sq.Ft.

PRIVATE SEPTIC EASEMENT FOR PRESERVATION PARCEL 'C'

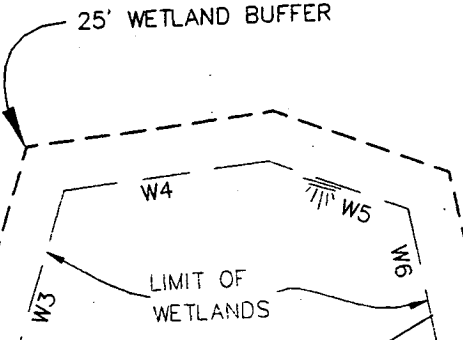
PRESERVATION PARCEL C NATURAL PRESERVATION AREA THIS SHEET 11.09 Ac.± TOTAL AREA 36.86 Ac.±

MEADOW TREE CT

10' TREE MAINTENANCE EASEMENT

LOT 42 46,096 Sq.Ft. DRAINAGE AND UTILITY EASEMENT

LOT 41 41,447 Sq.Ft.



MATCH LINE SEE SHEET 5

Copy of Unsigned Final - Latest Avail.

PLAN VIEW SCALE: 1" = 100'

RECORDED	13
UNRECORDED	23.94 Ac.±
UNRECORDED	0
UNRECORDED	0.00 Ac.±
UNRECORDED	0.00 Ac.±
WATER SLOPES	1.40 Ac.±
	25.34 Ac.±

SURVEYOR
TSA GROUP INC.
 8480 BALTIMORE NATIONAL PIKE, SUITE 418
 ELLICOTT CITY, MARYLAND 21043
 (410) 465-6105

OWNER
COOKSVILLE LIMITED PARTNERSHIP
 P.O. BOX 417
 ELLICOTT CITY, MARYLAND 21041
 (410) 465-4244

SURVEYOR'S CERTIFICATE

I, JAMES R. MOXLEY, JR.,
 HEREON HEREBY ADAPT THIS

