

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

INDEXED

P 510202
50463-I
A 50463-H

DISTRICT 4th

HOWARD COUNTY HEALTH DEPARTMENT

DATE 6/12/98

BUREAU OF ENVIRONMENTAL HEALTH
~~XXXXXXXX~~ 410-313-2640

DATE SYSTEM APPROVED 9-15-98

INSPECTOR AK

360567

Walter King Plumbing And Heating Contractors, Inc. IS PERMITTED TO INSTALL X ALTER

ADDRESS 5305 King's Court, Frederick, MD 21701 PHONE 301-831-4070

SUBDIVISION Riggs Property LOT 38 ROAD 2024 Meadow Tree Court

PROPERTY OWNER Ryan Homes *Doug Tapley*

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

TRENCHES - Trench to be 3 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 6 feet below original grade. Effective area begins at 4 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place the distribution box 75 feet off the 173.95' lot line and 80 feet off the 173.83' (rear) lot line as seen when facing the lot from Meadow Tree Court. Run trenches along contour in both directions.

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 6-9-98

PLANS APPROVED BY Donna K. Soe DATE 06/01/98

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

**BLDG. PERMIT SIGNED
AND RETURNED**

PERMIT VOID AFTER TWO YEARS

*12-15-98
Serial # B115428*

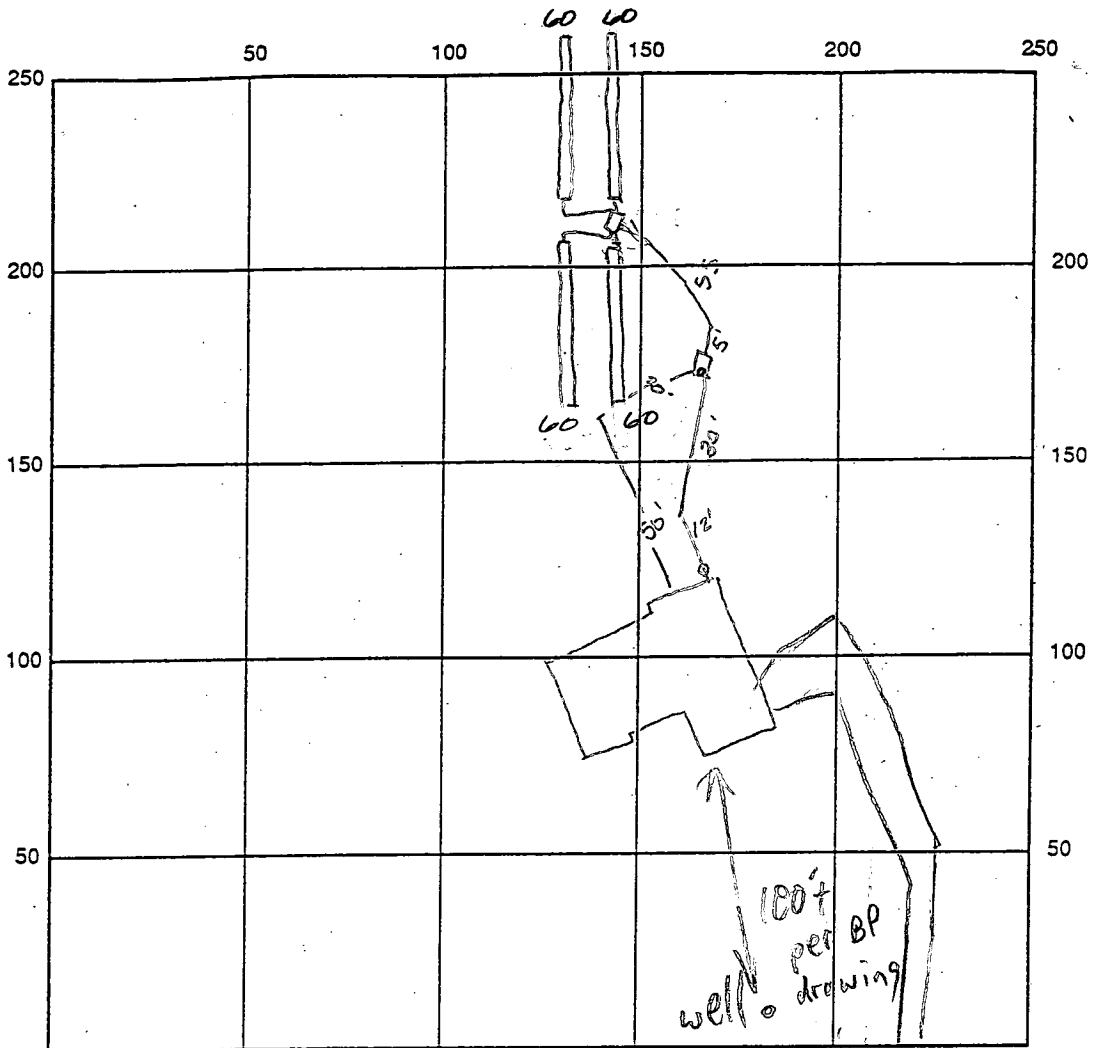
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON, CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

check

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

A 50463 I



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE MEADOW TREE CT

SEPTIC TANK LEVEL OK 1250 gal CLEANOUTS 2 CO. OK

DISTRIBUTION BOX LEVEL OK

DRAIN FIELD/TITLE DEPTH 6.0 FT. TRENCH WIDTH 3.0 FT. INLET DEPTH 4.0 FT.

EFFECTIVE GRAVEL DEPTH 2.0 FT. TOTAL LENGTH 240 FT.

NUMBER OF TRENCHES 4 ONE SIDEWALL/BOTTOM AREA 720 SQ. FT. $\frac{240}{3} = 80$

DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET 2.0 FT.

ABSORBENT AREA — SQ. FT.

REMARKS: 9-15-98 OK to cover all work final AU

DATE SYSTEM APPROVED 9-15-98 INSPECTOR A McMillan

APPLICATION

50463H

~~502808~~

PERCOLATION TESTING

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
PO BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE 461-9933

DISTRICT 4th
DATE 9/30/94

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 Amelia Riggs, c/o SDC Group, Inc. RYAN HOMES
8480 Baltimore - National Pike
ADDRESS PO BOX 417, Ellicott City, MD 21041 PHONE (410) 465-6105

PROSPECTIVE BUYER _____
ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Riggs Property LOT NO. Grd. 1 38
ROAD AND DESCRIPTION Located @ SW Corner of the intersection of
Roxbury Mill (Rte. 97) & Frederick Rd (aka (44))
8814 TAX MAP 96 (2024 Meadow Tree Court) **FILED PERMIT (44)**
AND RETURNED 6-7-98
Parcel # 55000 ± S.F. TYPE BLDG Single Family Dwelling
(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. James R. Morley, III V. Pos
(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

COUNTY #

SOIL PROFILE
529 551

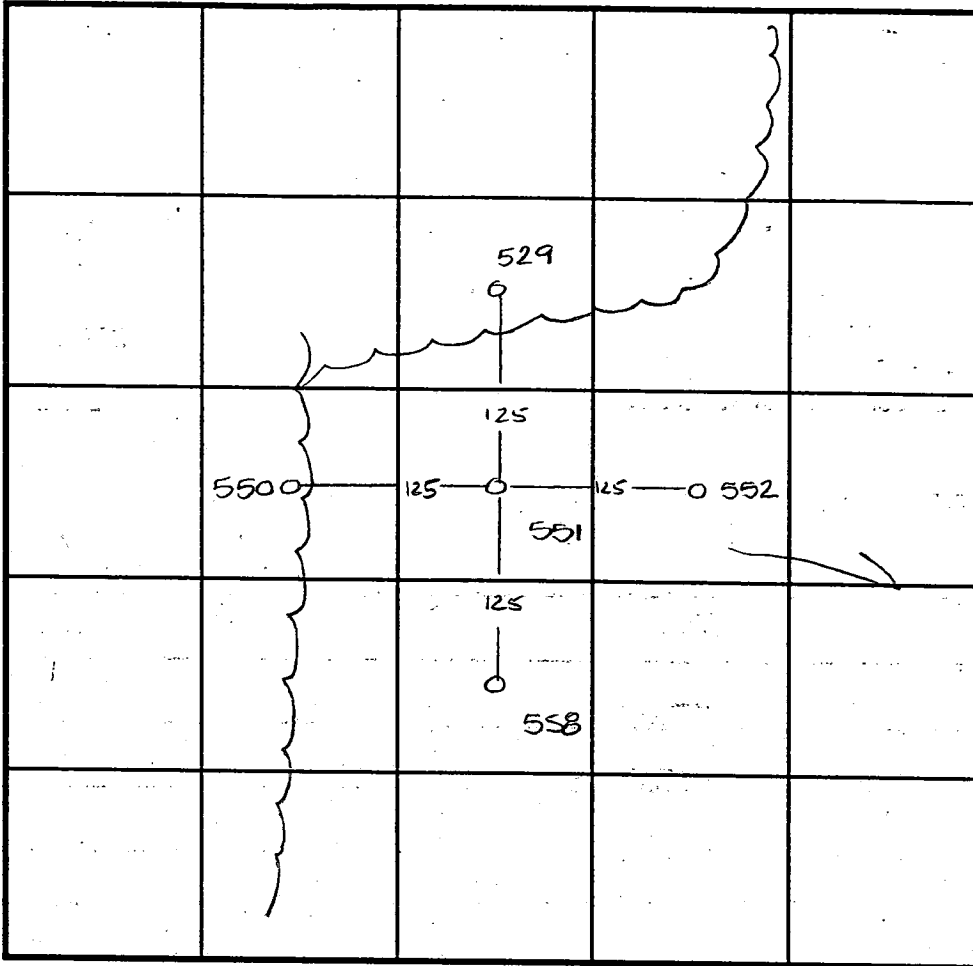
0' pink
c1Lm
4' lgt tan
pink
s1Lm
very
powdery
few
large
rocks
not
inter-
connected
10.5' refusal

550

1.5' topsoil
red
c1Lm
4.0' orange
to
tan
sasilM
<5%
rock
brags
throughout
OK

558

11.5' dark
brown
c1salm
4.0' very
light
pink
s1Lm



SOIL PROFILE
552

0' brn
c1Lm
3.0' reddish
brn
s1Lm
4.5' yellow
tan
sasilM
11.0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE. WILLERS MILL RD

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11-2-94	529	5.0 v10.5	6:10 ³⁰	6:12	6:12	6:14	2min
	551	5.0 v12.0	5:40 ³⁰	5:41 ³⁰	5:41 ³⁰	5:43 ³⁰	2min
11-3-94	550	4.0 v11.5	5:48 ⁴⁵	5:50 ³⁰	5:50 ³⁰	5:54	3 1/2 min
	558	4.5 v11.5	5:26 ⁴⁵	5:28	5:28	5:29	1min
11-2-94	552	5.0 v11.0	5:58	6:00	6:00	6:03 ³⁰	3 1/2 min

REMARKS _____

TYPE OF SOIL _____

TESTED BY Amy McMillen ALSO PRESENT _____

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

C1 1311

SEQUENCE NO. (DENV 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 COLS 3-6 ON ALL CARDS

COUNTY NUMBER A 50463 H

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED 12/1/96

Depth of Well 300 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-1006

OWNER SPC last name MEADOW TREE CT. first name TOWN COOKSVILLE STREET OR RFD SUBDIVISION RIGGS PROPERTY SECTION LOT 38

WELL LOG table with columns: DESCRIPTION (Sand, Gray Mica Rock), FEET (FROM, TO), Check if water bearing

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL CEMENT BENTONITE CLAY, NO. OF BAGS 22, NO. OF POUNDS 2068

CASING RECORD: casing types ST CO PL OT, MAIN CASING TYPE SF, Nominal diameter 6, Total depth 102

OTHER CASING (if used) table with columns: diameter inch, depth (feet) from to

SCREEN RECORD: screen type or open hole insert appropriate code below, ST BR HO PL OT

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

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

DEPTH (nearest ft.) table with columns: 1-3, 8-9, 11-15, 17-21, 23-24, 26-30, 32-36, 38-39, 41-45, 47-51

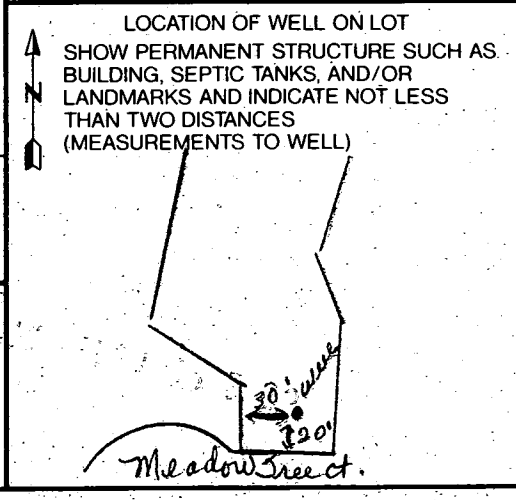
GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

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

TELESCOPE CASING, LOG INDICATOR, OTHER DATA

PUMPING TEST: HOURS PUMPED (nearest hour) 3, PUMPING RATE (gal. per min. to nearest gal.) 4, METHOD USED TO MEASURE PUMPING RATE Bucket, WATER LEVEL (distance from land surface) BEFORE PUMPING 37, WHEN PUMPING 280, 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: 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 (nearest foot)



EMERGENCY/TEMP NO. IF ANY

B 1 **7485** 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
40-94-1006
 fill in this form completely

Date Received (APA) **7/1/89**
OWNER INFORMATION
 15 Last Name **SOE** Owner First Name
 36 Street or RFD **Box 417**
 57 Town **ELLICOTT CITY** 70 State 72 **MD** Zip 76 **21047**

DRILLER INFORMATION CIRCLE: MSD/MGD/MWD
 Driller's Name **Joseph E. Maune** 77 License No. 80 **24**
 Firm Name **Joseph E. Maune Well Drilling**
 Address **5512 Ridge Rd. Mt. Airy, Md. 21771**
 Signature **Joseph E. Maune** Date **11/18/96**

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)

APPROXIMATE DEPTH OF WELL **280** 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
 other _____

REPLACEMENT OR DEEPEINED 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 DEEPEIN AN EXISTING WELL
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE) _____

Not to be filled in by driller (MDE OR COUNTY USE ONLY)
 APPROX. PERMIT NUMBER **G A P**
 FORCE **AM** WRITE INITIALS IN BOX PERMIT No. **40-94-1006**

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

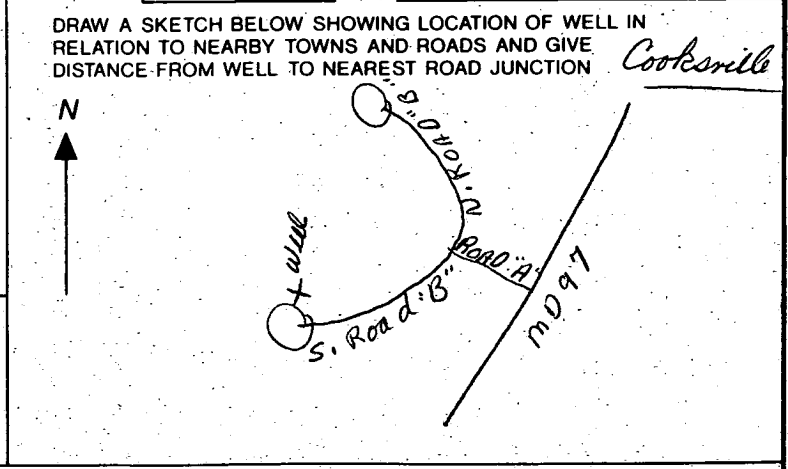
B 3 **LOCATION OF WELL**
HOWARD COUNTY
RIGGS PROPERTY SUBDIVISION
 SECTION **38** LOT **38**
COOKSVILLE NEAREST TOWN
 MILES FROM TOWN (enter 0 if in town) **1** MI

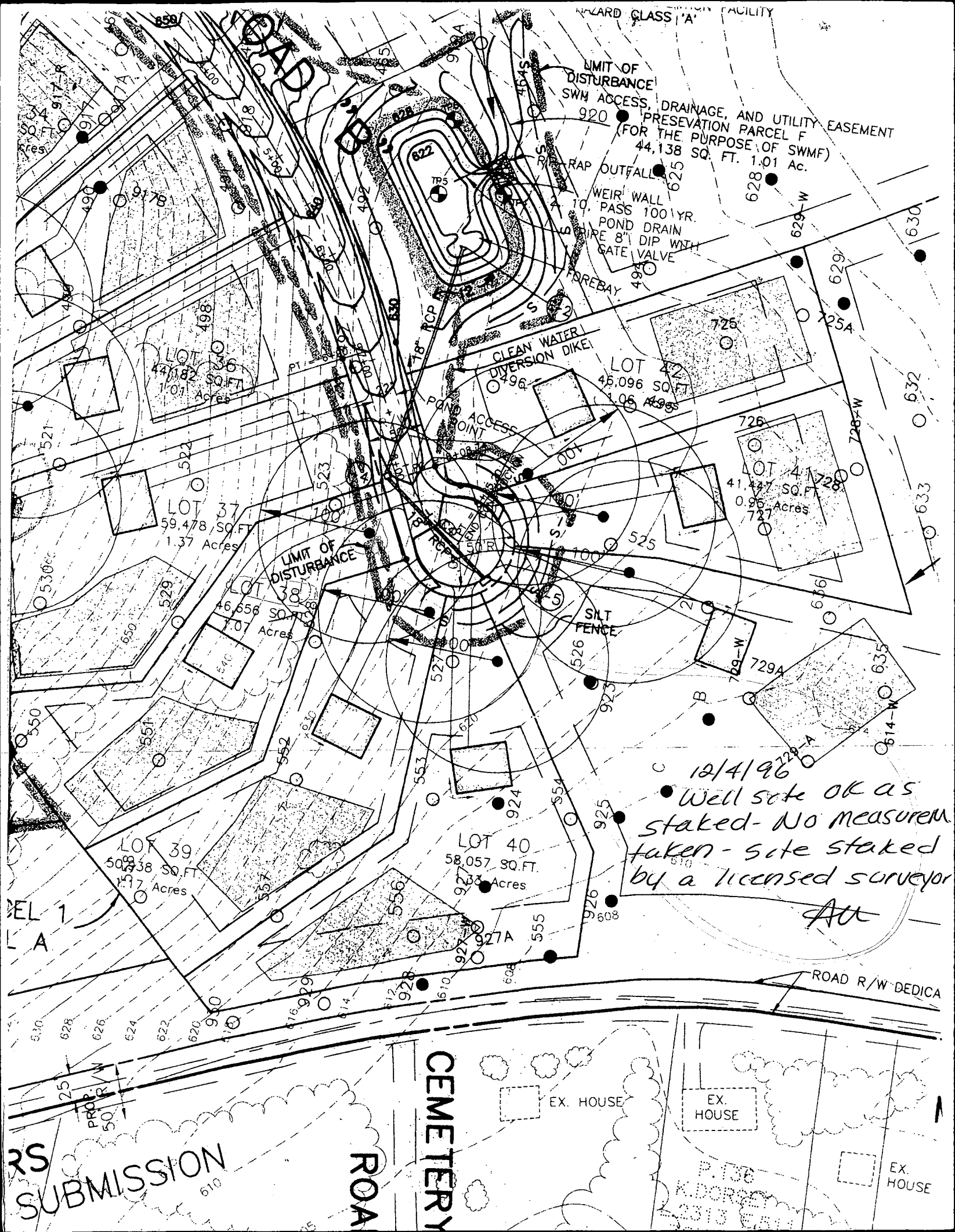
B 4 **DIRECTION OF WELL FROM TOWN (CIRCLE BOX)**

S. Road 'B' Meadow Creek NEAR WHAT ROAD
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 WEST EAST
 DISTANCE FROM ROAD **22** FT OR MI **FT**
 TAX MAP: _____ BLK: _____ PARCEL _____

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
HOWARD CO COUNTY NAME **A50463H** COUNTY NO.
 STATE SIGNATURE _____ INSERT S
 DATE ISSUED **120496** **A M Maune** 12/4/97
 NORTH GRID **530000** EAST GRID **0790000**

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
 N **790**
 E **530**





HAZARD CLASS 'A' FACILITY
 LIMIT OF DISTURBANCE
 SWM ACCESS, DRAINAGE, AND UTILITY EASEMENT
 PRESERVATION PARCEL F
 (FOR THE PURPOSE OF SWMF)
 44,138 SQ. FT. 1.01 Ac.
 920 ●
 625 ●
 628 ●
 629-W ●
 1630 ●

WEIR WALL
 TO PASS 100 YR.
 POND DRAIN
 PIPE 8" DIP WITH
 GATE VALVE
 493 ●
 FOREBAY

CLEAN WATER
 DIVERSION DIKE
 496 ●

LOT 42
 46,096 SQ. FT.
 1.05 Acres

LOT 41
 41,477 SQ. FT.
 0.95 Acres

LOT 37
 59,478 SQ. FT.
 1.37 Acres

LOT 38
 46,656 SQ. FT.
 1.07 Acres

LOT 40
 58,057 SQ. FT.
 1.33 Acres

REL 1
 A

12/4/96
 Well site OK as
 staked - No measurements
 taken - site staked
 by a licensed surveyor
 Au

ROAD R/W DEDICATED

CEMETERY

EX. HOUSE

EX. HOUSE

EX. HOUSE

RS
 SUBMISSION
 610

ROAD

P.136
 ADDRESS
 2313 E...

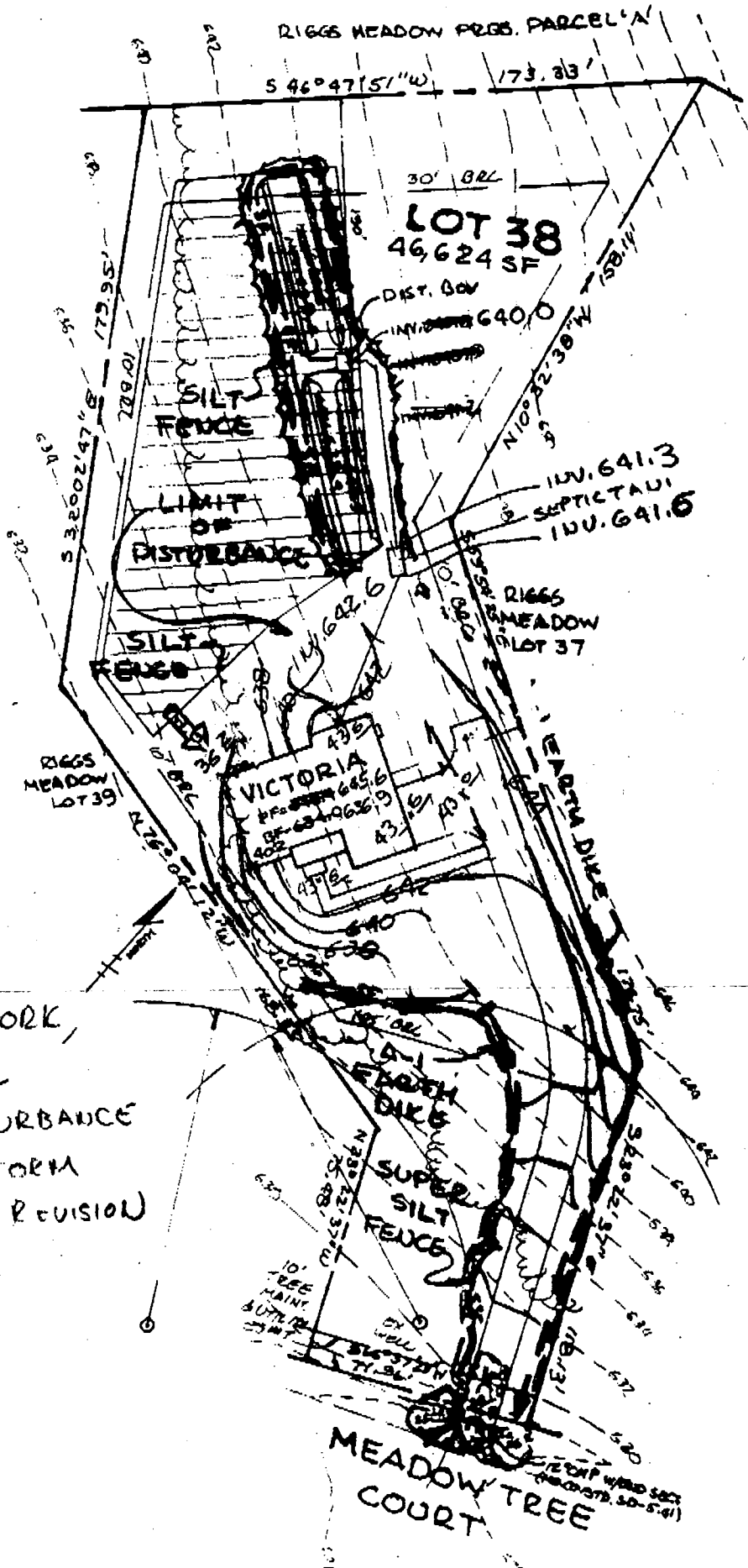
Total linear feet of trench
 required 240 feet

Width of trench(es) 3 feet

Depth of trench(es) 6 feet

Depth of stone required below
 distribution pipe 2 feet

REVISED
 5/27/98
 GWF



OPTION ①:

RAISE 1ST FLOOR 3.2'
 FROM 647.4 TO 645.6
 GIVE BF = 636.9
 W/WALLOUT @ 636.2

THIS MINIMIZES EARTHWORK,
 YIELD WALK-OUT, STILL
 WITHIN LIMIT OF DISTURBANCE
 SO DON'T HAVE TO INFORM
 SOIL CON. SERVICE OF REVISION

- BASEMENT STILL CANNOT
 BE SERVICED

Approved Septic System Plan
 Howard County Health Department

Donna K. [Signature] 6/1/98
 Signature Date

WATER QUALITY BY INFILTRATION
WATER QUANTITY BY DETENTION FACILITY
HAZARD CLASS 'A'

LIMIT OF
DISTURBANCE
SWM ACCESS, DRAINAGE, AND
NON-BUILDABLE PRESERVATION
920 (FOR THE PURPOSE
44,138 SQ. FT.

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

CLEAN WATER
DIVERSION DIKE

LOT 42
46,096 SQ.FT.
1.05 Acres

LOT 37
59,478 SQ.FT.
1.37 Acres

LOT 38
16,556 SQ.FT.
0.38 Acres

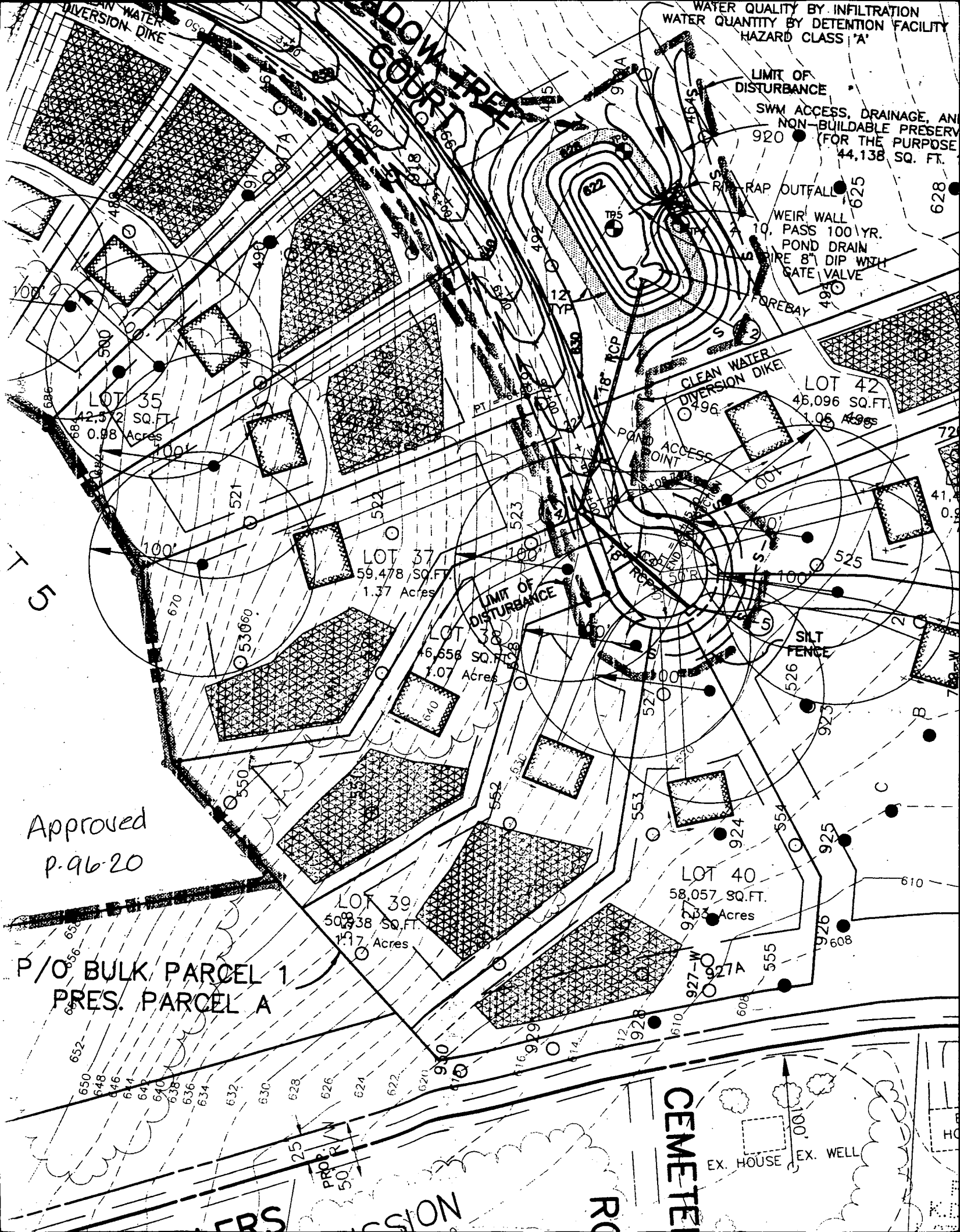
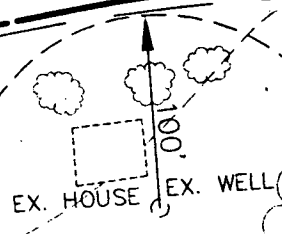
LOT 39
50,338 SQ.FT.
1.17 Acres

LOT 40
58,057 SQ.FT.
1.33 Acres

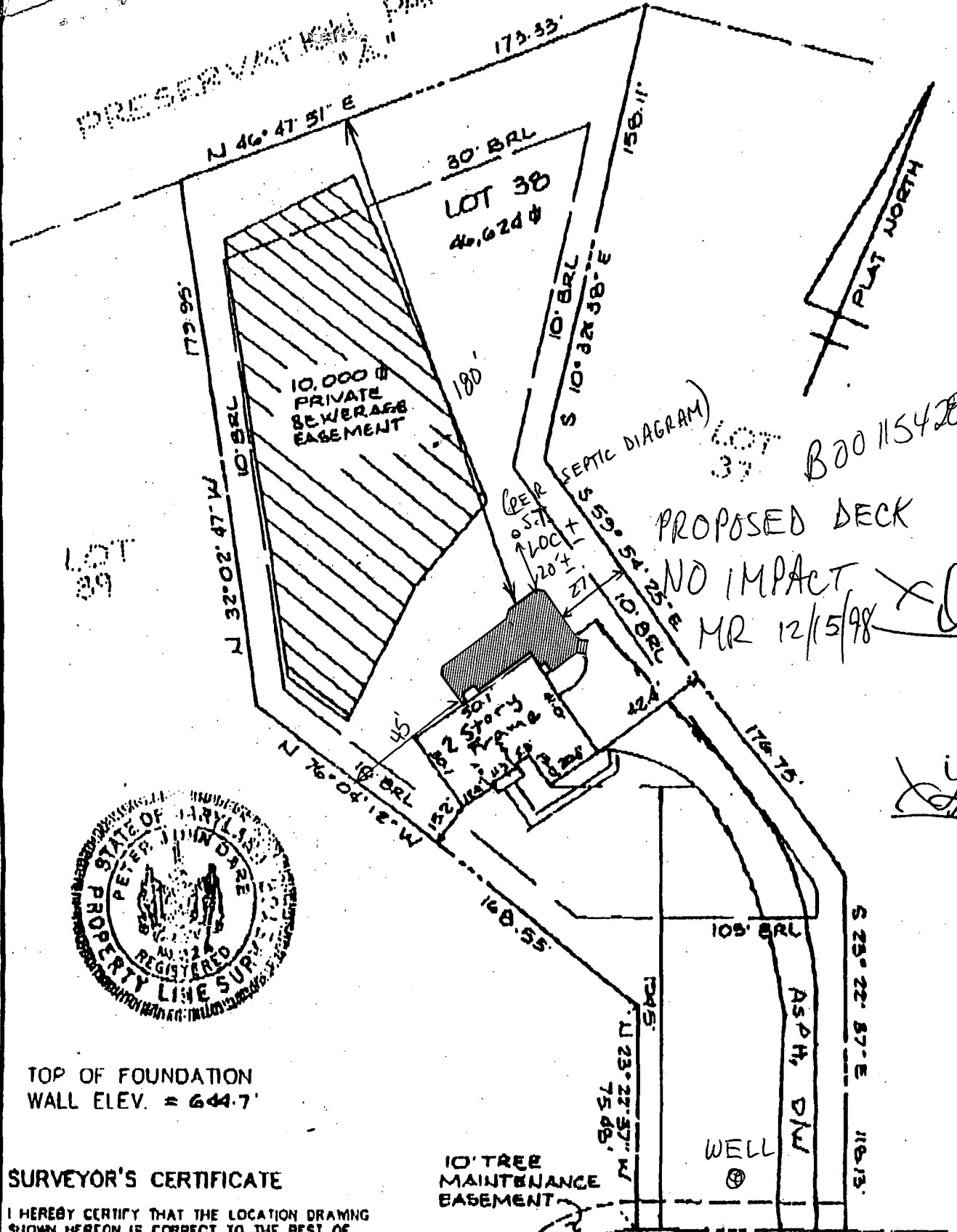
Approved
P-96-20

P/O BULK PARCEL 1
PRES. PARCEL A

CEMETERY



PRESERVATION PARCEL
 N 46° 47' 51" E 173.33'



LOT 39

10,000 G
 PRIVATE
 SEWERAGE
 EASEMENT

LOT 38
 40,624 sq

SEPTIC DIAGRAM

PROPOSED DECK
 NO IMPACT
 MR 12/15/98

B00115428

Handwritten signature



TOP OF FOUNDATION
 WALL ELEV. = 644.7'

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THE LOCATION DRAWING SHOWN HEREON IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE IMPROVEMENTS HAVE BEEN LOCATED AS THE RESULT OF A FIELD SURVEY, AND THAT THERE ARE NO VISIBLE ENCROACHMENTS UNLESS SHOWN. THE PROPERTY DOES NOT LIE WITHIN A FLOOD HAZARD AREA ON THE FEMA F.I.R.M. IDENTIFIED BELOW. AT THE WRITTEN REQUEST OF THE PURCHASER, NO PROPERTY CORNER MARKERS HAVE BEEN SET.

Signature 9/23/98
 PETER J. DARE
 MD. PROPERTY LINE SURVEYOR #224

FINAL

RECORD PLAT No. 12965
 FEMA FIRM No. 240044 0008 B
 DATED DECEMBER 4, 1986

TSA GROUP, INC.
 planning • architecture • engineering • surveying
 8480 BALTIMORE NATIONAL PIKE SUITE 418
 ELLICOTT CITY, MARYLAND 21043
 (410) 483-8105

MEADOW TREE COURT

LOCATION DRAWING
 RIGGS MEADOW

LOT 38
 2024 MEADOW TREE COURT

4TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 SCALE: 1" = 50' DATE: 6-16-98