7.15.98 +A.B. site check
11:30 St. Pleasant
7/16/98 11:00 open trench 7/20/98
7/17/98 AM+PM.

PERMIT

Needs House Connection 7/17/98

P 510555

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 43326

DISTRICT 4th

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
~~XXXXXXXX~~ 410-313-2640

INDEXED
04-354486

DATE 7-9-98

DATE SYSTEM APPROVED 7/20/98

INSPECTOR DKS

B.E.K. Enterprises, Inc. IS PERMITTED TO INSTALL X ALTER

Pager Ken 410-541-7986

ADDRESS 8375 Jumpers Hole Rd, Suite 302, Millersville, MD 21108 PHONE 410-647-4446

SUBDIVISION Pleasant Hills LOT 10 ROAD 2056 Watkins Way

PROPERTY OWNER Andrew Shaffer

ADDRESS

BUILDING PERMIT SIGNED AND RETURNED
6/9/03 B0014257 - DEEK

used 1500 Top Second 2 chamber instead. OK

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 2.5 feet below original grade. Bottom maximum depth 4.0 feet below original grade. Effective area begins at 2.5 feet below original grade. 1.5 feet of stone below distribution pipe.

LOCATION - From the intersection of the 191.35' and 635.22' lot lines, place the distribution box 205 feet down the 635.22' lot line and 95 feet off this same lot line. Run first trench on contour towards the pipestem; run all other trenches on 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/MR

PLANS APROVED BY Donna K. Soe DATE 4/15/98

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.

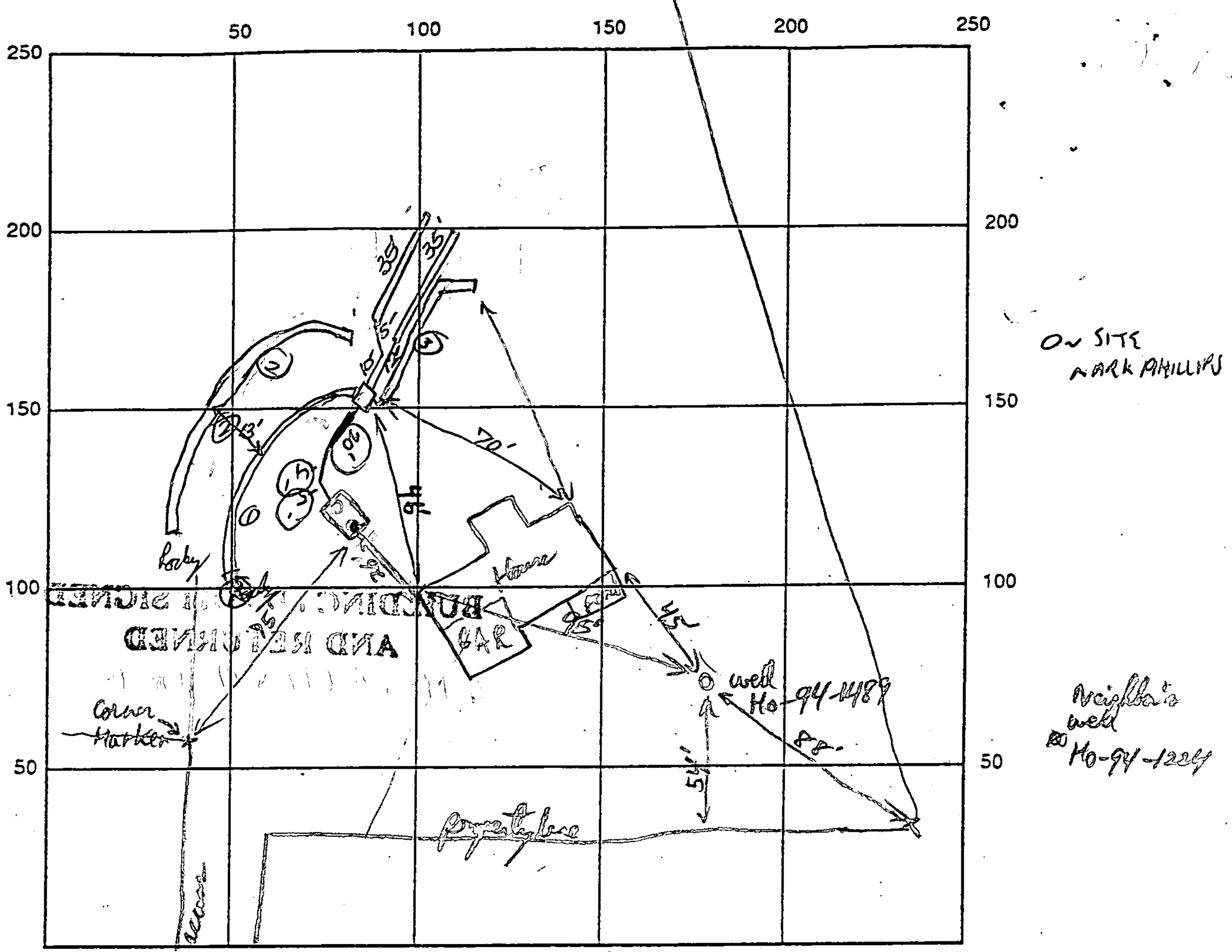
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

HD-260(6-90)

***CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.**

A 43326



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 1500 gal Top Seamed, 2 chambered CLEANOUTS S.T. in + outlet (Mid Baffle also in tact)

DISTRIBUTION BOX LEVEL OK

	1	2	3	4	5
DRAIN FIELD/TITLE DEPTH	3	2½	2½	3	3.5
EFFECTIVE GRAVEL DEPTH (FT.)	1.5	1	1	1.5	1.5
TOTAL LENGTH (FT)	45	70	60	35	35

TOTAL LENGTH → 245

TRENCH WIDTH 3 FT. INLET DEPTH 1-1½ FT.

NUMBER OF TRENCHES 5 ONE SIDEWALL/BOTTOM AREA 735 SQ. FT.

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

ABSORBENT AREA — SQ. FT.

REMARKS: Septic Tank hole is 120 Ft From well. S.T. hole is very shaley (75% larger rotten rock Flags) 4 ft + lower at S.T. site (good they used Top Seamed S.T. & al. 1½ ft cover). D.B. site is OK. They will call for open Trench inspection as all trenches [illegible]. RP 7/15/98 7.16.98

ONLY USE 1ST 40 OF 1ST TRENCH - LAST 20' SHALEY (70% ROCK) CONTINUE OPEN TRENCH INSP. [illegible] 45 Feet of Tr #1 used - OK to gravel fill then cover, Tr #2 open OK 70 ft (Drops from inlet at 2½' to only 26" deep at mid + end), Tr #3 cut to only 60 ft long, last 20' drops to only 9" [illegible] - Do not use). Install last 2 short Tr as shown above RP 7/17/98 S.T. laterals OK to cover supply line, OK to gravel Tr 1+3, OK to gravel fill Tr 4 & 5 when dug. Call for final RP 7/17/98

DATE SYSTEM APPROVED 7/20/98 INSPECTOR [signature]

7.21.98 Well line ok to cover, P.A. 3' below grade, casing 1' above grade, has 2 piece cap (KM)

APPLICATION

A 93326

PERCOLATION TESTING

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 461-9933

DISTRICT 4TH

DATE 1-4-89

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 ~~Nelvon M. Watkins~~ Andrew Shaffer

ADDRESS 26311 Howard Chapel Road, Damascas, MD 20878 PHONE (301) 859-0563

PROSPECTIVE BUYER Standard Management Corporation

ADDRESS 10324-B Baltimore National Pike, Ellicott City, MD 21043 PHONE (301) 461-6777

PROPERTY LOCATION:

SUBDIVISION Pleasant Hills LOT NO. 10

ROAD AND DESCRIPTION Off of Long Corner Road
(2056 Watkins Way)

BLDG. PERMIT SIGNED AND RETURNED 4-15-98
Send to Bldg 10902

TAX MAP 12 PARCEL # 5

SIZE OF LOT 4.7 Ac. TYPE BLDG. Single Family - 4Bm
(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. Farid Kaeeny
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

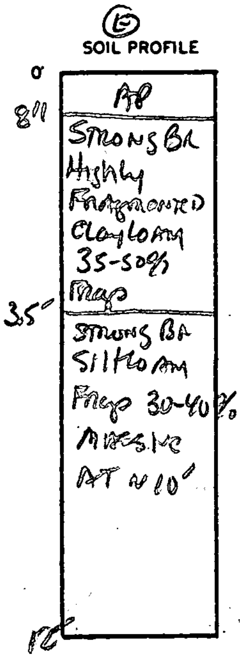
HOLD PENDING FURTHER TESTS _____ DATE _____

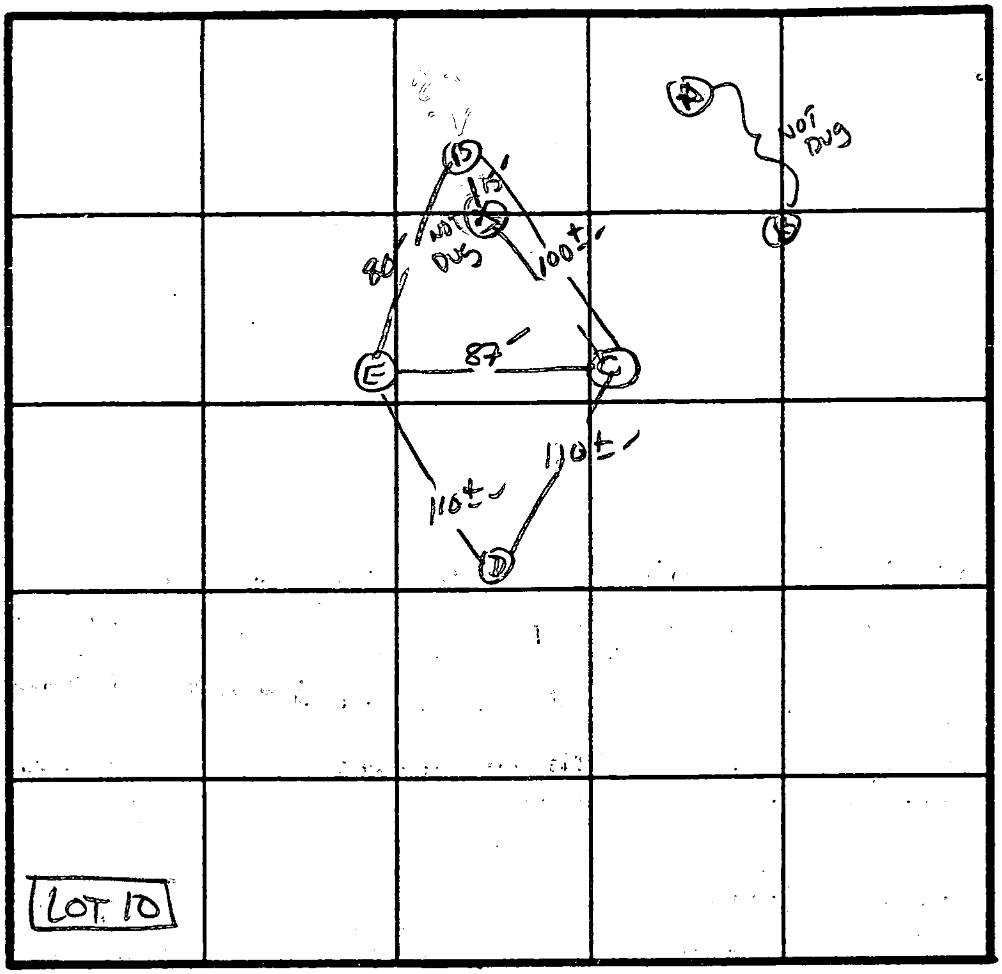
REASONS FOR REJECTION OR HOLDING 1-27-89 Combined perc area w 20K sf for LOTS 9+10 TO be SPLIT IF LOT LINES CAN be MOVED AND ROAD. Hold for PLAT TO Certify. S. Alwe

HD-216

THIS IS NOT A PERMIT

A-43326





X̄ PERC 4 MIN
180 ⌀/BR
INLET 2.5'
BOTTOM 4.0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

LONG CORNER Rd.

DATE	TEST NO.	DEPTH	PRE-WET START	PRE-WET STOP	TEST - 1" DROP START	TEST - 1" DROP STOP	TIME
1/27/89	E S / E V	3.0' / 12'	11:58 / As Profiled	12:00	12:00	12:03	3 min
	X B V	10' Refusal - Structured			AT 1-2'	down	
	C S / C V	3' / 12.5'	12:04 / similar	12:04 / to Profile	12:06 / w/ less	12:10 / Frags)	4 min / no massiveness
	D S / D V	3' / 11'	12:14 / HARD BOTTOM	12:16	12:16	12:19	3 min

REMARKS Holes Differ from PLAT - Shallow Spot only House & well SITE? LOT Line Changes Required

TYPE OF SOIL [illegible]

TESTED BY S. Abel ALSO PRESENT JACK F. Rocky; JeffA.

C 1 05078 SEQUENCE NO. (MDE USE ONLY)

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

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 433326

ST/CO USE ONLY
DATE Received 4-9-98

DATE WELL COMPLETED 4 6 98

Depth of Well 425 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" [illegible] - 94 - 1489

OWNER Shaffer (last name) Andy (first name)

STREET OR RFD Watkins Way / TOWN Mt. Airy MD

SUBDIVISION Pleasant Hills / SECTION / LOT 10

WELL LOG
Not required for driven wells

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

DESCRIPTION (Use additional sheets if needed)	FEET FROM	FEET TO	check if water bearing
BROWN SHALE	0	30	
BLUE SLATE	30	425	

RECEIVED MD DEPT. OF ENVIRONMENT WATER RESOURCES ADMIN. APR 9 12:01 1998

WATER AT 55-73-398

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED: yes (Y) no (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.

DRILLERS LIC. NO. MW D 139
Robert Clima
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. MW D 536
Robert Clima
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

GROUTING RECORD
WELL HAS BEEN GROUTED (Circle Appropriate Box) yes (Y) no (N)

TYPE OF GROUTING MATERIAL (Circle one)
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 ft. (TOP) to 39 ft. (BOTTOM)
(enter 0 if from surface)

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)
ST	6	40

OTHER CASING (if used)

EACH CASING	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

C 2

EACH SCREEN	DEPTH (nearest ft.)	
1	HO 39	425
2		
3		

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.) W Q

TELESCOPE CASING ____ LOG INDICATOR ____ OTHER DATA ____

C 3

PUMPING TEST
HOURS PUMPED (nearest hour) 3

PUMPING RATE (gal. per min.) 10.

METHOD USED TO MEASURE PUMPING RATE TIME

WATER LEVEL (distance from land surface)

BEFORE PUMPING 40 ft.

WHEN PUMPING 52 ft.

TYPE OF PUMP USED (for test)
- (A) air
- (P) piston
- (T) turbine
- (C) centrifugal
- (R) rotary
- (O) other (describe below)
- (J) jet
- (S) submersible

PUMP INSTALLED
DRILLER WILL INSTALL PUMP (CIRCLE) (YES or NO) 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 ____

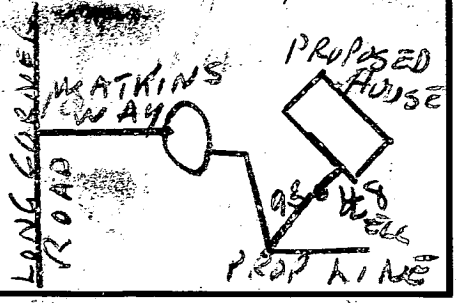
PUMP COLUMN LENGTH (nearest ft.) ____

CASING HEIGHT (circle appropriate box and enter casing height)
- (+) above
- (−) below

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)



EMERGENCY/TEMP NO. IF ANY

B 1 | 9774 | 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-94-1489

fill in this form completely

Date Received (APA): 3/5/98

OWNER INFORMATION

Shaffer (Last Name) | Andy (First Name)

18633 Flower Hill Way (Street or RFD)

Gaithersburg | MD | 20879 (Town | State | Zip)

DRILLER INFORMATION

Robert L. Cline | MWD 139 (Driller's Name | License No.)

Cline + Durall, Inc. (Firm Name)

8093 Hillmark Ct., Frederick (Address)

Robert L. Cline | 3/2/98 (Signature | Date)

B 2 . WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.): 5

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY): 300

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- (D) HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
- [F] FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION
- [I] INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV OTHER (REQUIRES APPROPRIATION PERMIT)
- [P] PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE APPROVAL
- [T] TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

APPROXIMATE DEPTH OF WELL: 250 FEET

APPROXIMATE DIAMETER OF WELL: 6 NEAREST 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 DEEPENED WELLS (CIRCLE APPROPRIATE BOX)

- (N) THIS WELL WILL NOT REPLACE AN EXISTING WELL
- [Y] THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
- [S] THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
- [D] THIS WELL WILL DEEPEN AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENED (IF AVAILABLE):

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROP. PERMIT NUMBER: GAP

FORCE: DS (WRITE INITIALS IN BOX) PERMIT No: HO-94-1489

SPECIAL CONDITIONS

NOTE = APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED =

B 3 LOCATION OF WELL

Howard (COUNTY)

Pleasant Hills (SUBDIVISION)

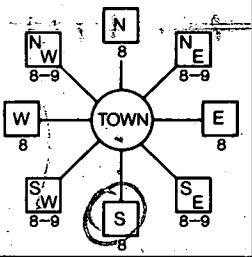
SECTION | LOT 10

Mount Airy (NEAREST TOWN)

MILES FROM TOWN (enter 0 if in town): 3 M I

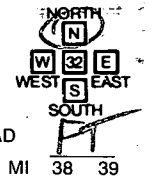
B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Watkins Way (NEAR WHAT ROAD)

2056 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



DISTANCE FROM ROAD: 250 FT (ENTER FT OR MI)

TAX MAP: ____ BLK: ____ PARCEL ____

NOT TO BE FILLED IN BY DRILLER
HEALTH DEPARTMENT APPROVAL

Howard | A43326 (COUNTY NAME | COUNTY NO.)

STATE SIGNATURE: ____ INSERT S

DATE ISSUED: 3/18/98 | CO SIGNATURE: [illegible] | EXP. DATE: 3/17/99

NORTH GRID: 539 000 EAST GRID: 0757 000

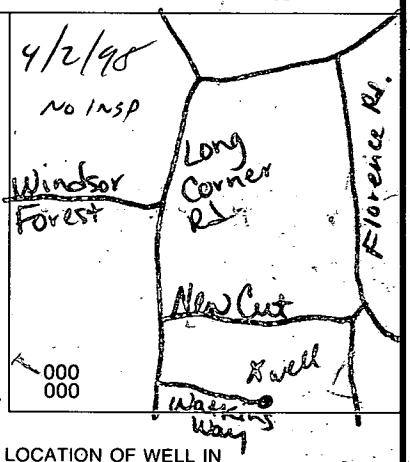
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER
1. Well
2.
3.

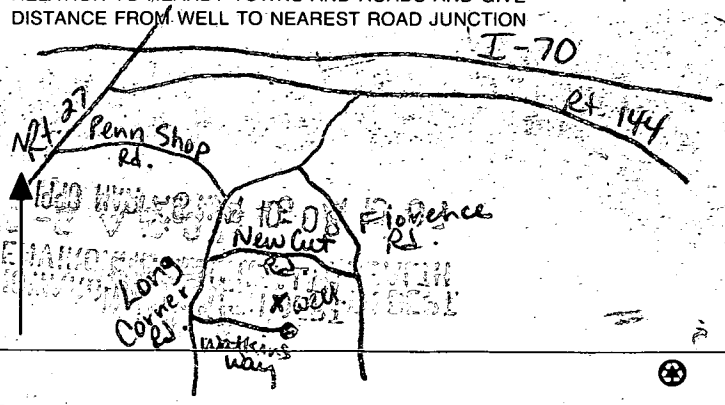
WRITE THE BOX NUMBER FROM THE MAP HERE

E 7507

N 540391



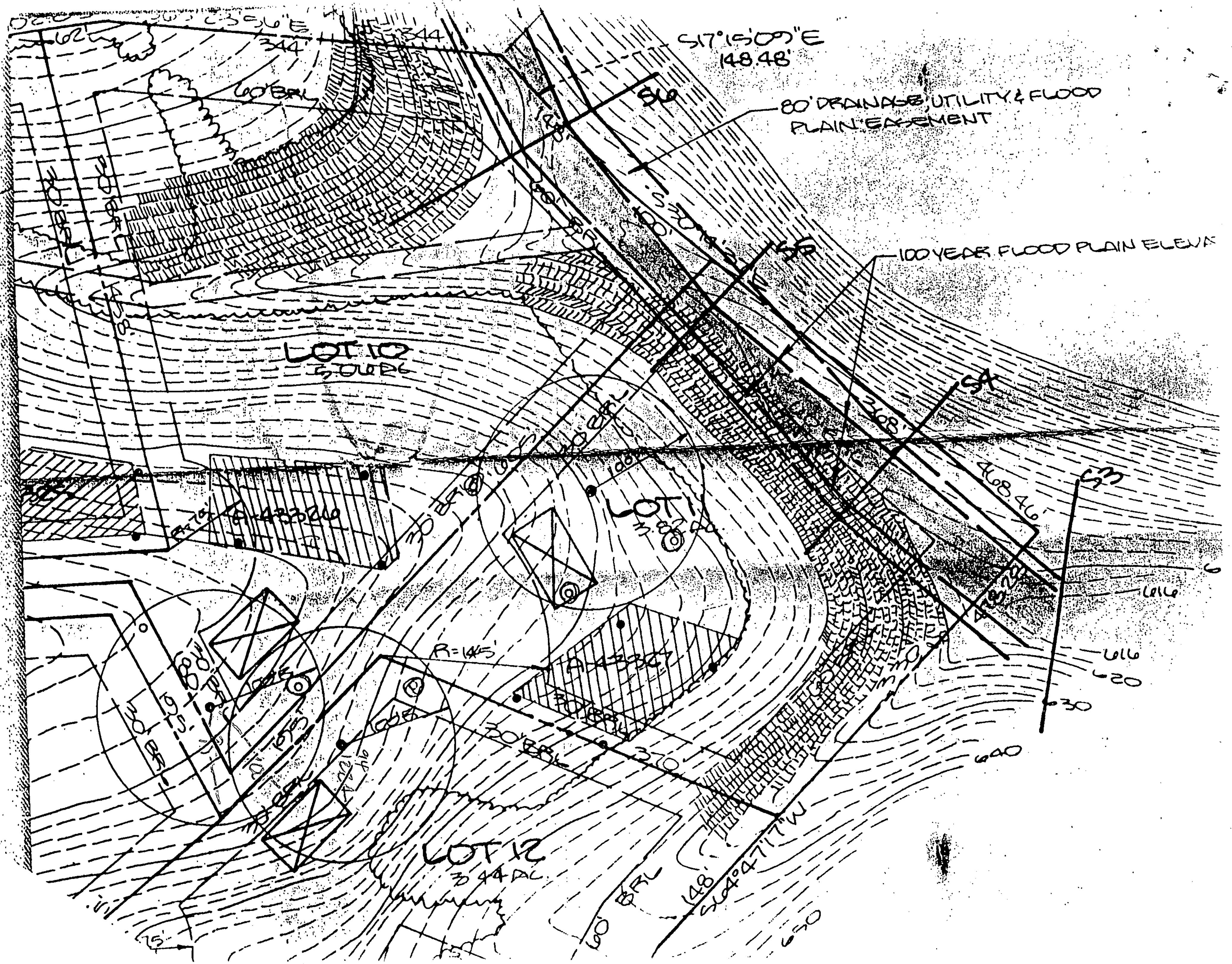
DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION

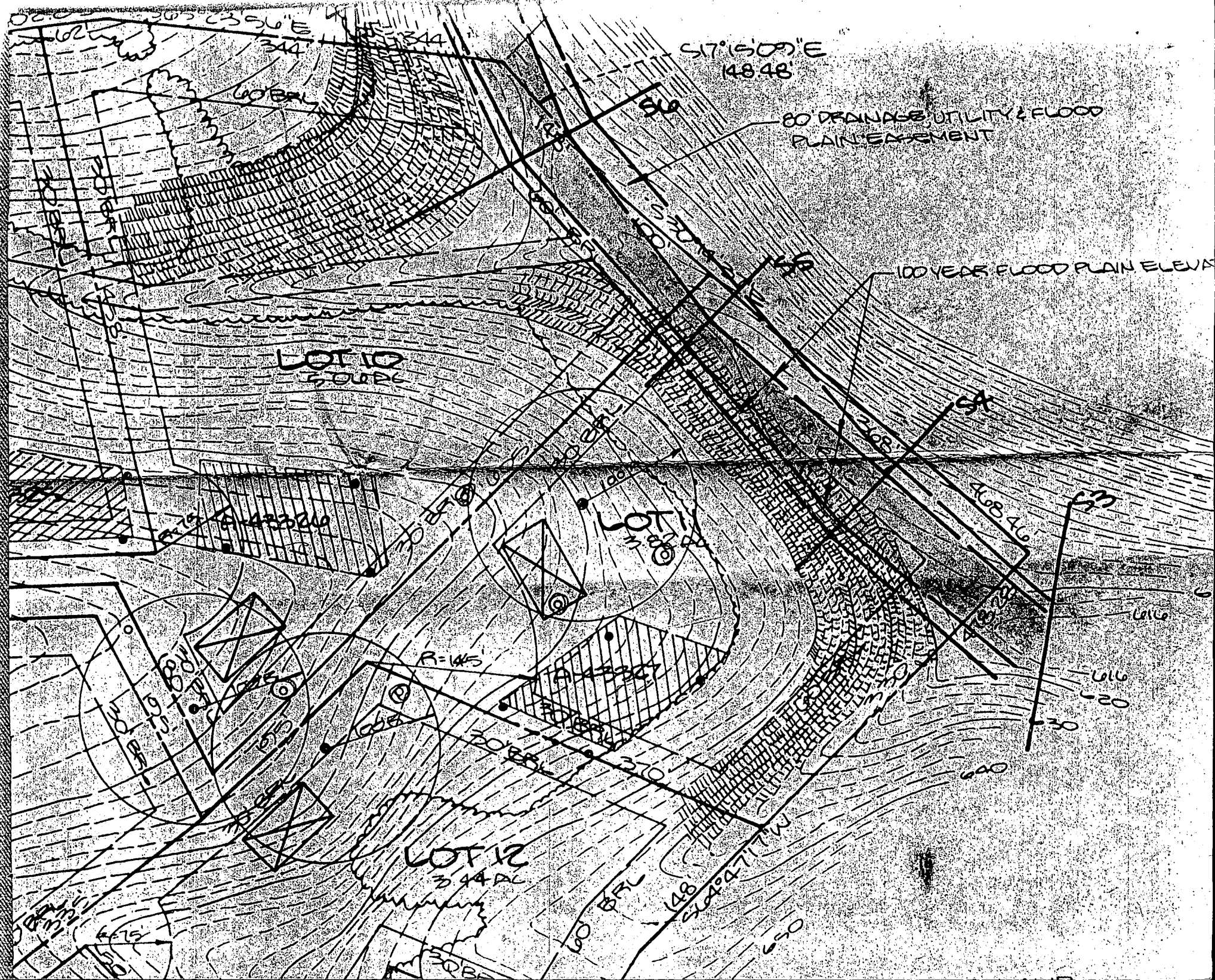


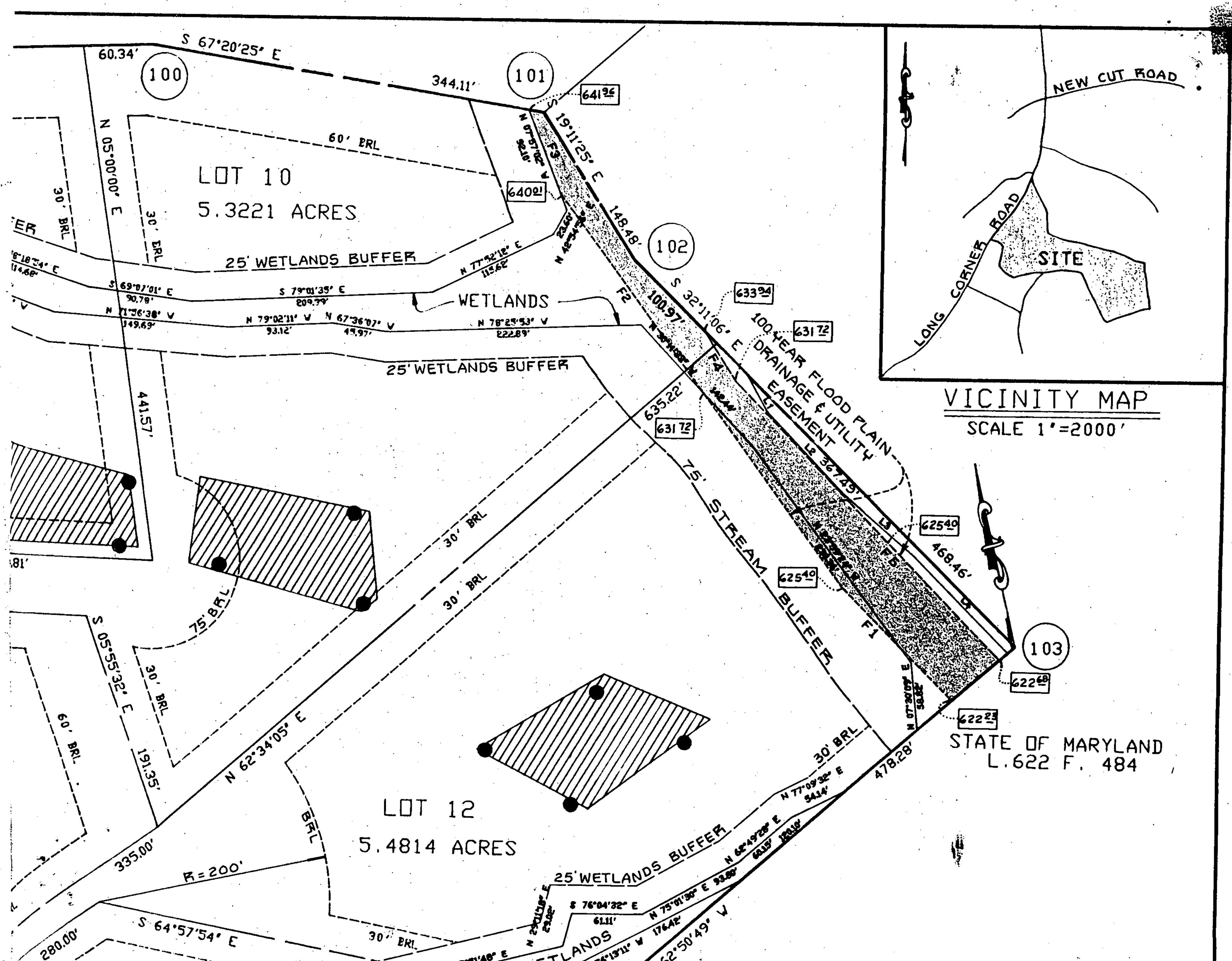
COUNTY

Pleasant Hills -
Lot 10

well site OK
as staked
(DS) 3/16/98


S17°15'09"E
148.48'
80' DRAINAGE, UTILITY & FLOOD
PLAIN EASEMENT
100 YEAR FLOOD PLAIN ELEVA
LOT 10
LOT 11
LOT 12
3.44 AC.
468.46'
R=145'
30' BRL
60' BRL
20' BRL
S6
S5
S4
C3
616
620
630
640
650


S17°15'00"E
148.48'
80' DRAINAGE, UTILITY & FLOOD PLAIN EASEMENT
100 YEAR FLOOD PLAIN ELEVA
LOT 10
5.06 AC
LOT 11
3.88 AC
LOT 12
3.44 AC
60' BRL
30' BRL
R=145'
S46°47'17"W
148'
408.46'



S 67°20'25" E
60.34'
344.11'
100
101
102
103
641 96
640 01
633 94
631 72
631 72
625 40
625 40
622 68
622 23
LOT 10
5.3221 ACRES
60' BRL
30' BRL
N 05°00'00" E
25' WETLANDS BUFFER
N 77°52'12" E
115.62'
S 69°07'01" E
90.78'
S 79°01'35" E
209.79'
WETLANDS
N 71°56'38" W
149.69'
N 79°02'11" W
93.12'
N 67°36'07" W
45.97'
N 78°25'53" W
222.89'
S 19°11'25" E
148.48'
S 32°11'06" E
100.97'
F1
F2
F3
F4
F5
L1
L2
L3
L4
367.49'
468.46'
100 YEAR FLOOD PLAIN
DRAINAGE & UTILITY
EASEMENT
635.22'
441.57'
75' STREAM BUFFER
30' BRL
75' BRL
N 62°34'05" E
S 05°55'32" E
191.35'
335.00'
R=200'
BRL
LOT 12
5.4814 ACRES
N 77°09'32" E
54.14'
478.28'
N 07°30'09" E
25' WETLANDS BUFFER
S 76°04'32" E
61.11'
N 75°01'30" E
176.42'
S 64°57'54" E
280.00'
WETLANDS
62°50'49" W
STATE OF MARYLAND
L.622 F. 484
NEW CUT ROAD
LONG CORNER ROAD
SITE
VICINITY MAP
SCALE 1"=2000'

HOWARD COUNTY HEALTH DEPARTMENT
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Ellicott City, MD 21043
461-9933

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation ✓
Replacement ____

Receipt # ____
Date 7-21-98

Name of Installer Perry Harley

Telephone 301-898-1068

License Number MSO-143
Certified Well Pump Installer ____ Well Driller ✓ Registered Plumber ____

Name of Property Owner ____
Subdivision Pleasant Hills Lot # 10 Well Tag # HO-98-1989
Site Address 2056 Watkins Way

Telephone 301-277-2454

Pump
1. Type
   a. Deep well jet ____
   b. Shallow well jet ____
   c. Submersible ✓
2. Make Water ACE
3. Model # 2445089005
4. Capacity 10 GPM
5. Pump exceeds well capacity Yes ✓ No ____
6. If Yes, is low pressure cutoff switch installed? Yes ____ No ✓
7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors ____ Cable guards ____ Other ____

Motor
1. Horsepower 1
2. RPM 3450
3. Voltage ____
   a. 110 ____
   b. 220 ✓

Pitless Adapter
1. Make Dicksons
2. Model # ____
3. Depth 42"

Tank
1. Capacity 75 Gal
2. Pressure relief valve? ✓

Piping
1. Type 160 Poly
2. Size 1"
3. NSF and/or BOCA Code approved ✓
4. Depth of supply line 4FT

Well data
1. Depth 400 ft.
2. Yield 10 GPM
3. Static water level 85 ft.
4. Will water supply be disinfected by installer? ✓

I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

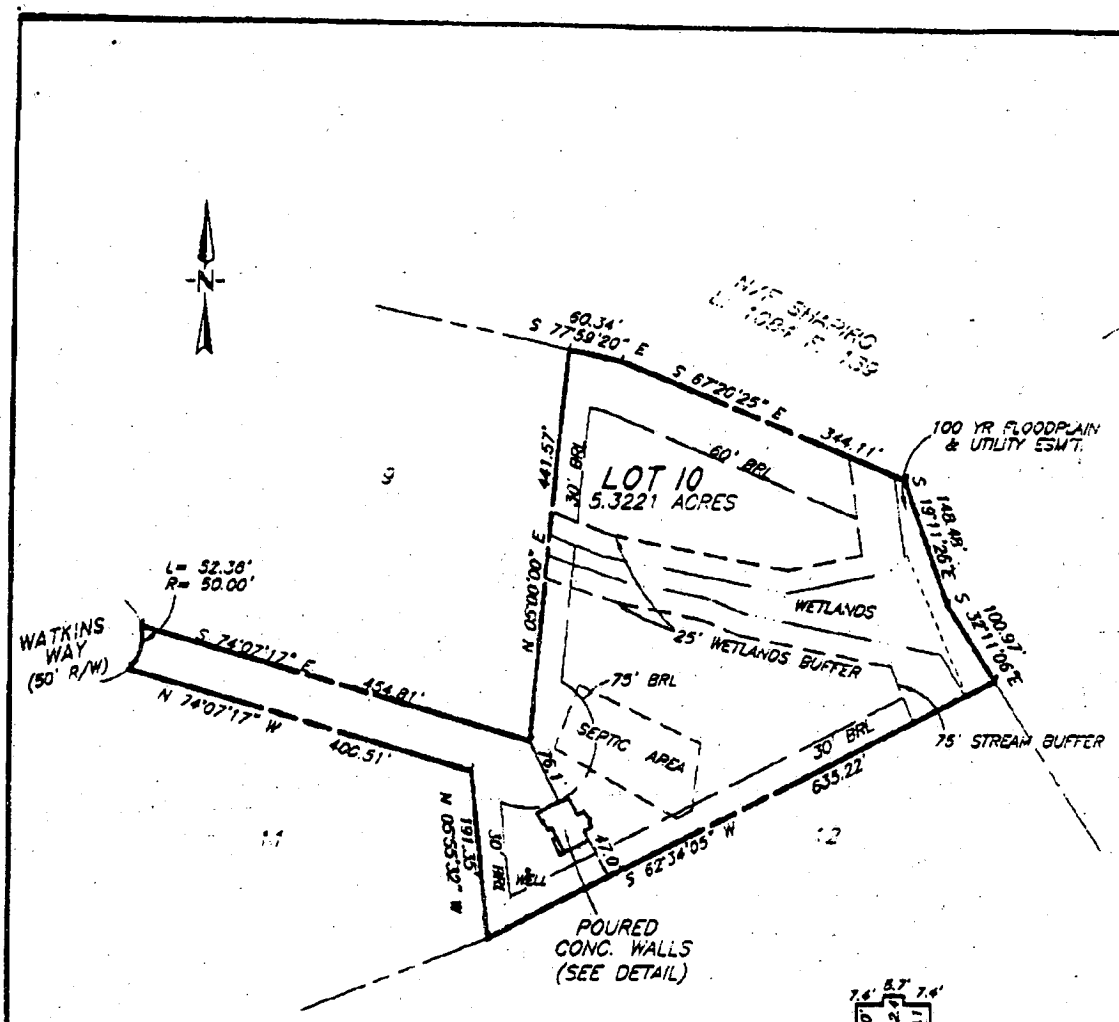
All information given above is true to the best of my knowledge.

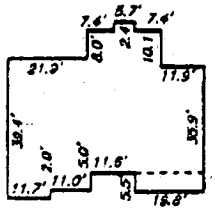
Signature of Applicant: Perry Harley

Date: 7-21-98

Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.

HD-215





WALL DETAIL
1" = 50'

STATE OF MARYLAND
DANIEL P. LAVELLE
No. 10846
REGISTERED
PROFESSIONAL LAND SURVEYOR

LAVELLE & ASSOCIATES INCORPORATED
ENGINEERS • PLANNERS • SURVEYORS
336 EAST SECOND STREET • FREDERICK, MARYLAND 21701
OFFICE • (301) 695-9722 • FAX (301) 695-9710

REFERENCE

LIBER / FOLIO
10512
PLAT NUMBER

04/29/98
DATE

1" = 200'
SCALE

DRAWN BY: R.S.L.

CHECKED BY: D.P.L.

FILE No: 98-012

SURVEYOR'S CERTIFICATE

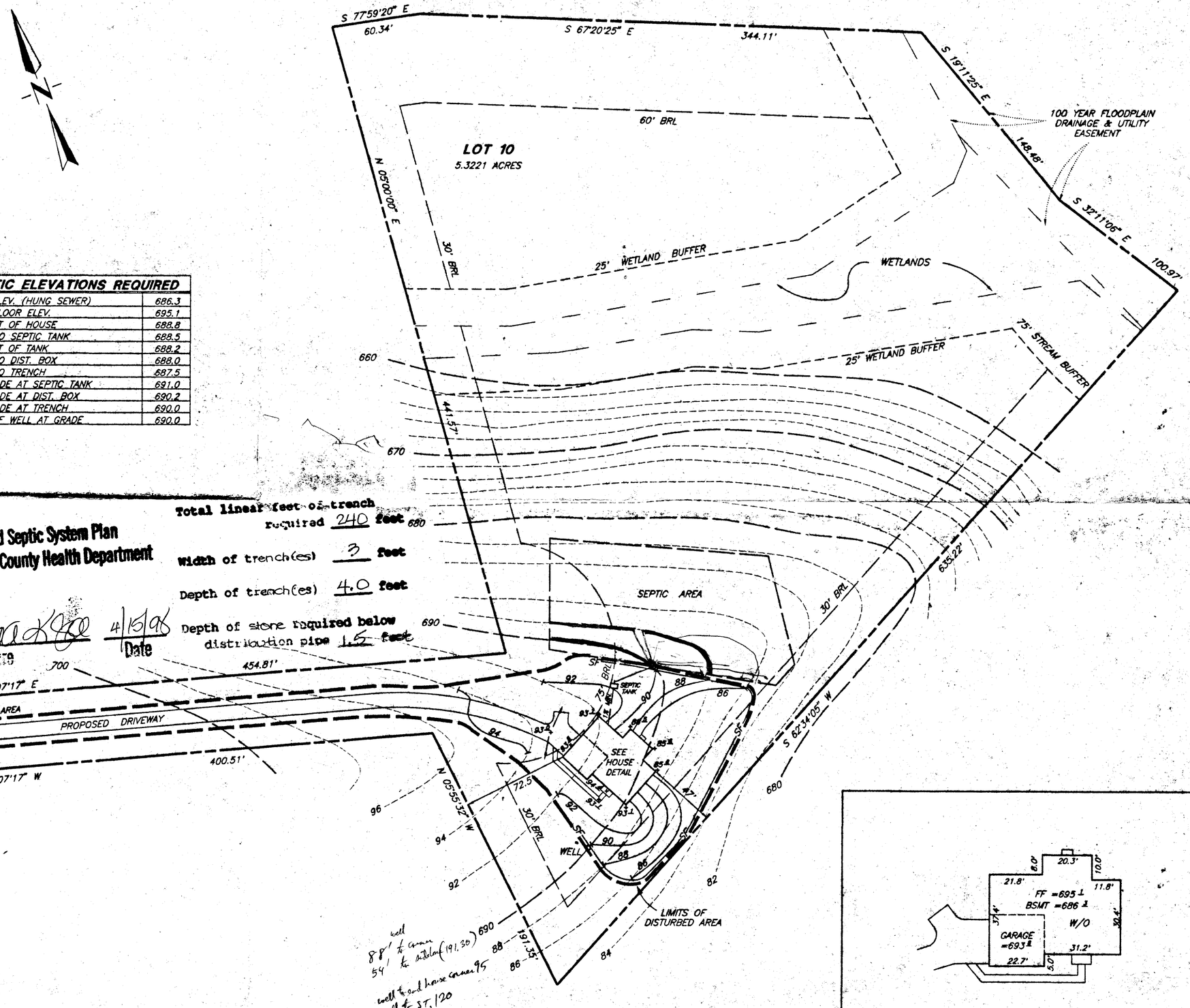
I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE POSITION OF ALL EXISTING VISIBLE IMPROVEMENTS ON THE PROPERTY SHOWN HEREON HAVE BEEN CAREFULLY ESTABLISHED BY FIELD MEASUREMENTS AND UNLESS OTHERWISE SHOWN, THERE ARE NO VISIBLE ENCROACHMENTS. THIS SURVEY IS TO ESTABLISH THESE ABOVE GROUND IMPROVEMENTS ONLY AND IS NOT INTENDED TO FIND UNDERGROUND UTILITIES OR INSTALLATIONS.

DANIEL P. LAVELLE, R.L.S. No. 10848

WALL CHECK SURVEY
LOT 10
PLEASANT HILLS
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

7/9/98 3:35 pm - received wall check from septic contractor. Reviewed and approved - OK to issue septic permit. DKS

SEPTIC ELEVATIONS REQUIRED	
BSMT ELEV. (HUNG SEWER)	686.3
FIRST FLOOR ELEV.	695.1
INV. OUT OF HOUSE	688.8
INV. INTO SEPTIC TANK	688.5
INV. OUT OF TANK	688.2
INV. INTO DIST. BOX	688.0
INV. INTO TRENCH	687.5
EX. GRADE AT SEPTIC TANK	691.0
EX. GRADE AT DIST. BOX	690.2
EX. GRADE AT TRENCH	690.0
ELEV. OF WELL AT GRADE	690.0



Approved Septic System Plan
Howard County Health Department

Total linear feet of trench required 240 feet

Width of trench(es) 3 feet

Depth of trench(es) 4.0 feet

Depth of stone required below distribution pipe 1.5 feet

4/15/98
Date

HOUSE DETAIL : 1" = 30'

DATE
REVISIONS
NO.

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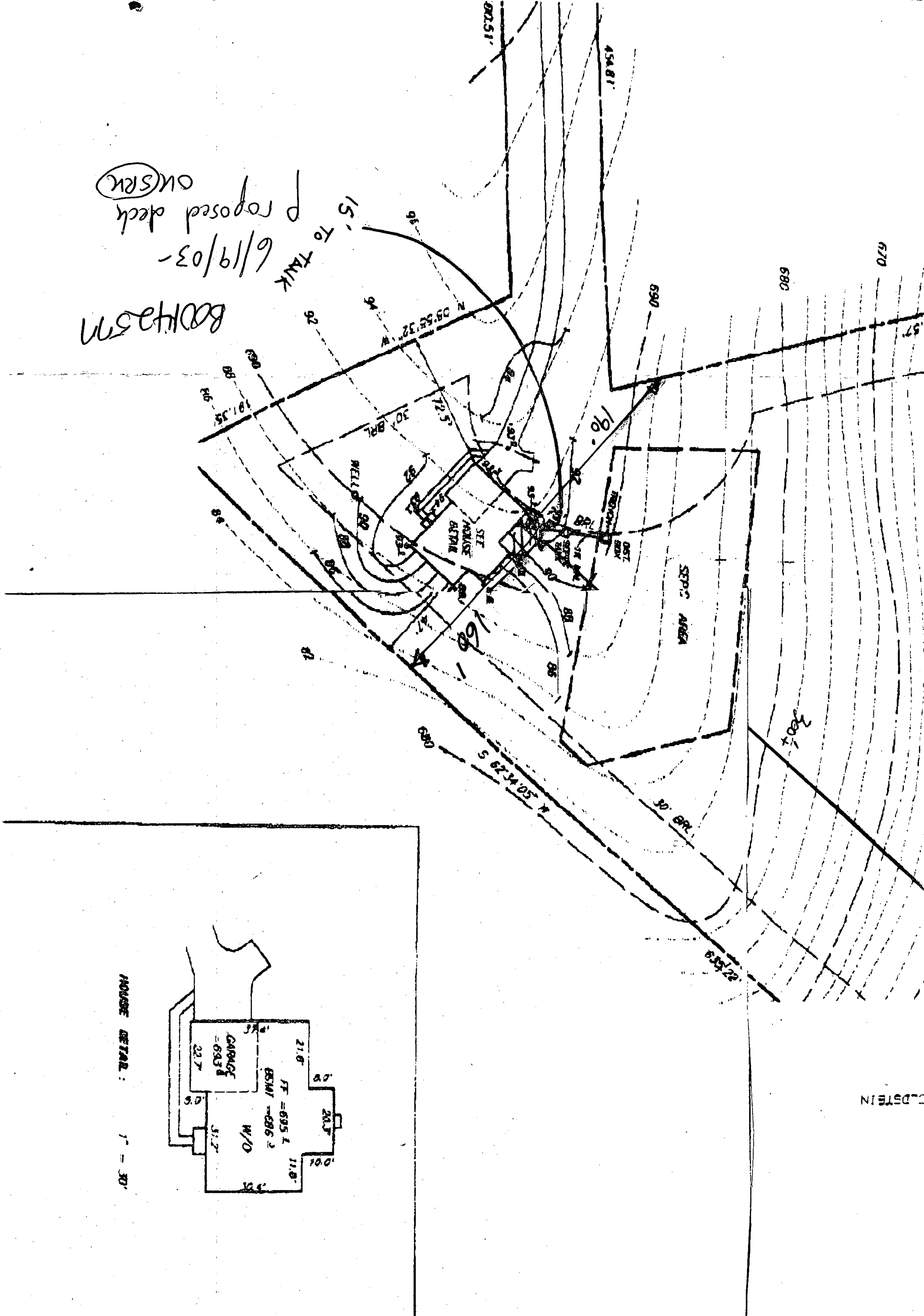
SITE PLAN
LOT 10 PLEASANT HILLS
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

DATE:	FEB. 23, 1998
SCALE:	1" = 50'
PROJ. No.	98-012
FILE:	/98DWG/98012SP
DRAWN:	J.C.A.



SITE PLAN
LOT 10
PLEASANT HILLS
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

DATE:	FEB. 23, 1998
SCALE:	1" = 50'
PROJ. No.	98-012
FILE:	/98DWG/98012SP
DRAWN:	J.C.A.