

4/19/88 AM  
4/20/88 AM

04-343735

4/18/88 ASAP

# PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH\*

**HOWARD COUNTY**  
BUREAU OF ENVIRONMENTAL HEALTH  
461-9933

INDEXED

P 40812

A 34406

DISTRICT 4th

DATE 4/1/88

DATE SYSTEM APPROVED 4/21/88

INSPECTOR BIT

Conner Construction Company IS PERMITTED TO INSTALL X ALTER

ADDRESS 8455 Baltimore National Pike, Ellicott City, MD PHONE 465-9531

SUBDIVISION Holly Hills ROAD 14254 Burntwoods Road LOT 3

PROPERTY OWNER William King III

ADDRESS \_\_\_\_\_

IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 22%.

GARBAGE GRINDER? YES X NO 3 *Changes made per builder 4/14/88*

SEPTIC TANK CAPACITY 250 ~~300~~ GALLONS NUMBER OF BEDROOMS 4

TRENCHES - ~~100~~ sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 3 1/2 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 3 1/2 feet below original grade. 4 1/2 feet of stone below distribution pipe.

20 LOCATION - Beginning from left front lot corner, place 1st trench 300 feet down the left (654.3') lot line and 155 feet off the left line as seen when viewing property from Burntwoods Road. Run trenches along contour towards the front and right lot lines.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. *AK/CW*

PLANS APPROVED BY Bert Nixon DATE 5/14/87

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.

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 TRENCHES ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCHES.

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 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 PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES.

B.O.G. PERMIT SIGNED AND RETURNED 5/11/90

*Serial # 32625 - Don Ganey*

B.O.G. PERMIT SIGNED AND RETURNED 9/6/88

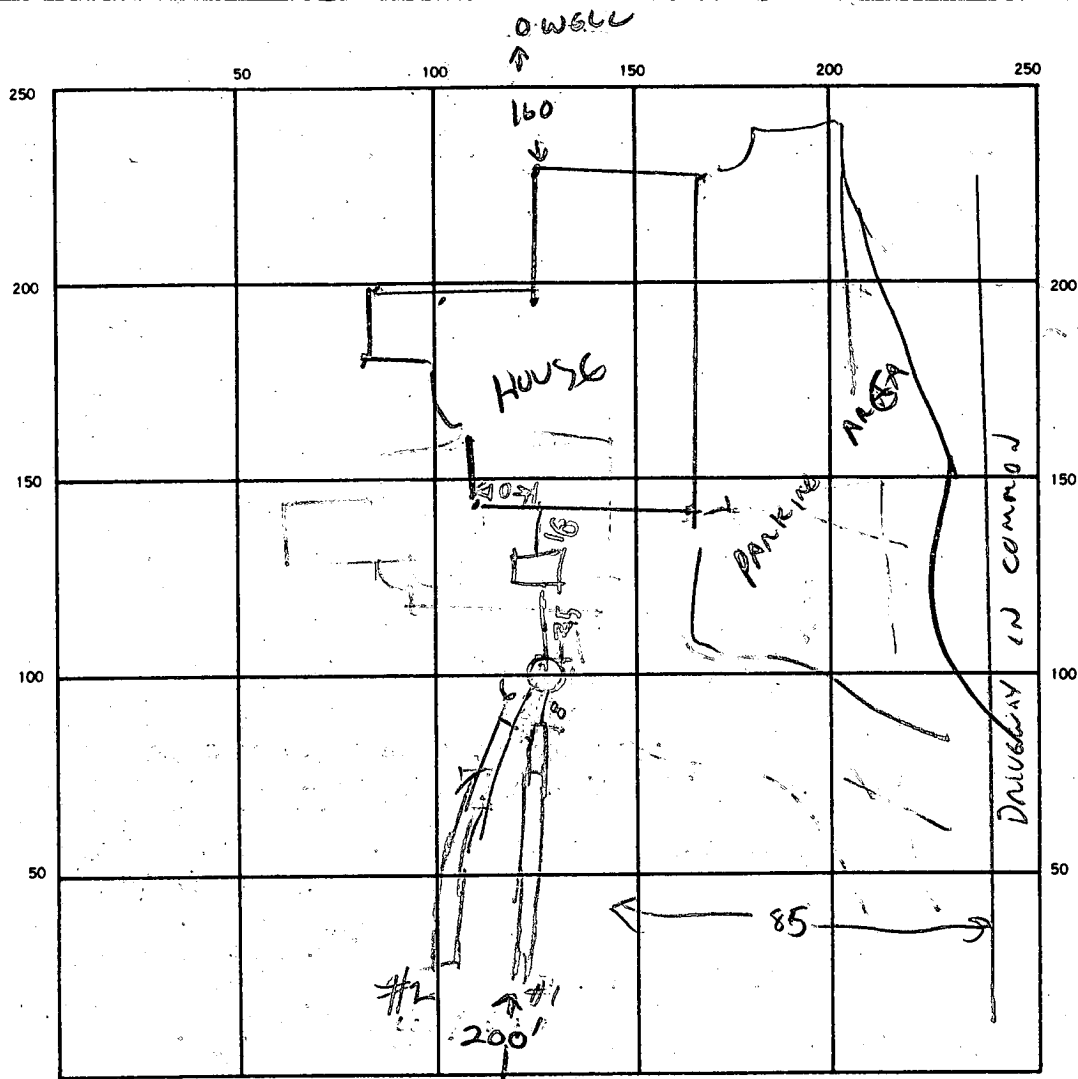
*Serial # 42358 - deck*  
*Serial # 18329*  
*propene tank*

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

\*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1186

A 34406



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

BURNINGWOODS RD

SEPTIC TANK LEVEL 2000 CLEANOUTS \_\_\_\_\_ 89

DISTRIBUTION BOX LEVEL \_\_\_\_\_

DRAIN FIELD/TILE FIELD DEPTH  $\frac{1}{2}$  FT. TRENCH WIDTH \_\_\_\_\_ FT. INLET DEPTH  $\frac{1}{4}$  FT.

EFFECTIVE GRAVEL DEPTH  $\frac{2}{4}$  FT. TOTAL LENGTH  $\frac{110}{100}$  FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA  $\frac{440}{400}$  SQ. 840 800

DRYWELL INSIDE DIAMETER \_\_\_\_\_ FT. EFFECTIVE DEPTH BELOW INLET \_\_\_\_\_ FT.

ABSORBENT AREA \_\_\_\_\_ SQ. FT.

REMARKS TANK IN PLACE, TRENCHES NOT YET 100' EACH 4/18/88 CW

4/19/88 - STONE ADDED TO TRENCH #2 TRENCHES A LITTLE SHORT FOR 3 BR HOUSE MAKE TRENCH TOTAL LENGTH OF 120 WITH 4 FT OF STONE OR TO MAKE TRENCHES A LITTLE LONGER THAN 120 FT (R)

4/21/88 TRENCHES LENGTH ADJUSTED

DATE SYSTEM APPROVED 4/21/88 INSPECTOR Raymond J. Hodger

# APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES  
P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 992-2330

A 34406  
P. \_\_\_\_\_  
DISTRICT 4th  
DATE 9/24/84

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 ~~Wayne Newsome~~ William King III  
ADDRESS P.O. Box 39, Columbia, Maryland 21045 PHONE 792-2100

PROPERTY LOCATION:

SUBDIVISION \_\_\_\_\_ LOT NO. 3  
ROAD AND DESCRIPTION Burntwoods Road

SIZE OF LOT 3.809 TYPE BLDG. single family dwelling  
(NUMBER OF BEDROOMS)

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. Sylvia Bond, agent  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

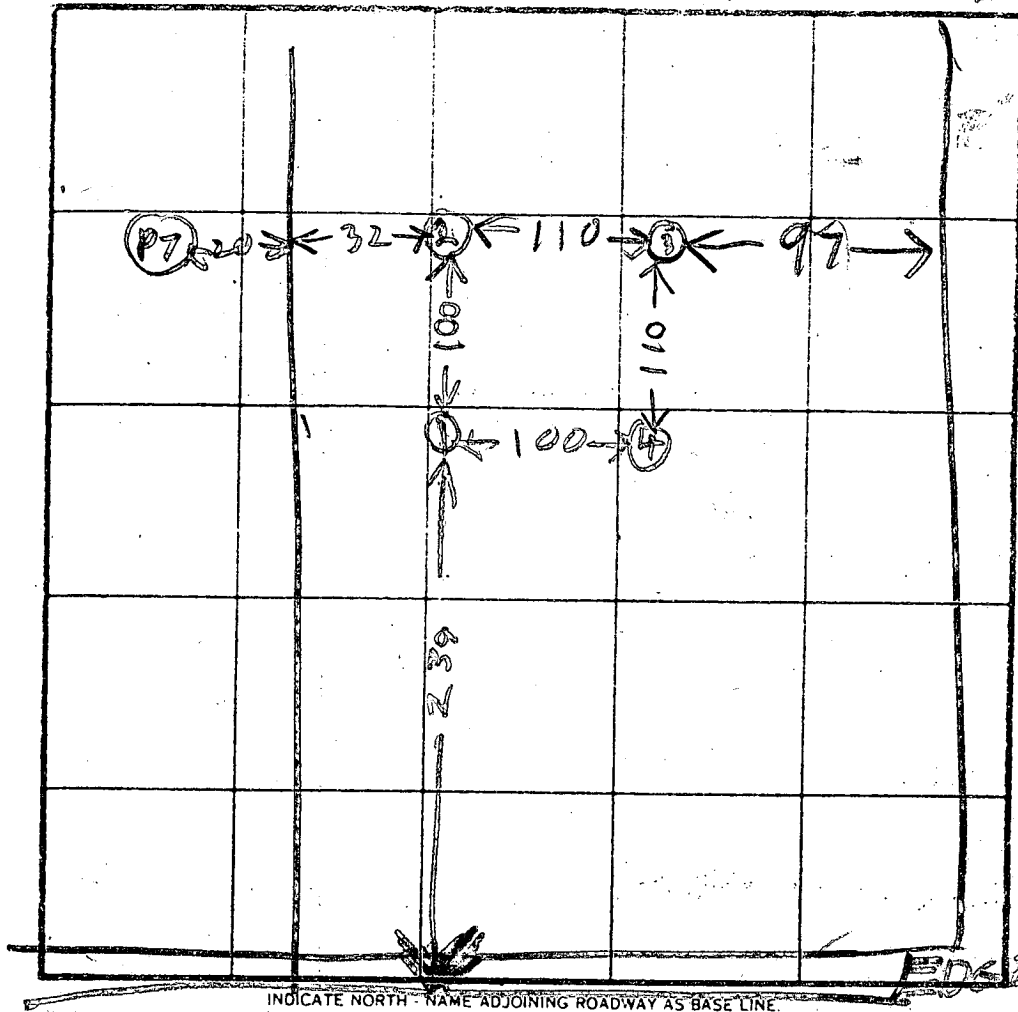
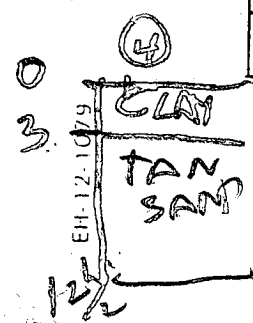
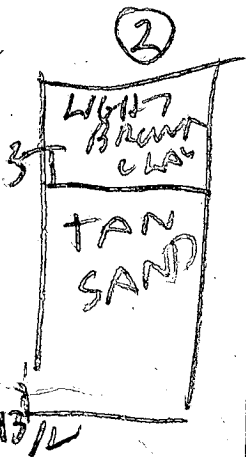
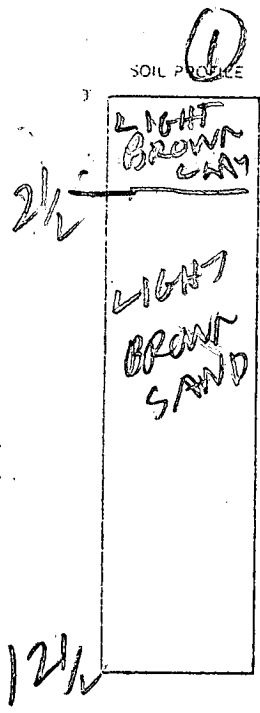
REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

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

REASONS FOR REJECTION OR HOLDING 10/2/84 perc OK Hold for Plat RH

PERMITS PERMIT UNIT  
AND RETURNED 11/7/87  
Serial # 13412

# THIS IS NOT A PERMIT



HOLE ELEV

③ 1/4 HIGH

⑩ LOW

AREA FAIRLY LEVEL

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

BURT WOODS RD

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/2/64	1S	3 1/2	1144	1146	1146	1148	2
	1V	12 1/2	LOOKS OK				
	2S	3	1153	1154	1154	1157	1
	2V	13 1/2	LOOKS OK				
	3S	4	119	121	121	125	4
	3V	12 1/2	LOOKS OK				
10/2/64	4V	12 1/2	LOOKS OK				

REMARKS

TYPE OF SOIL

TESTED BY **B. HODGES**

ALSO PRESENT **J. PYOCK**

**SKIP BARTHON**



4/18/88

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

Howard County Health Department  
Bureau of Environmental Health  
3525-H Ellicott Mills Drive  
Court House Square  
Ellicott City, Md. 21043  
461-9933

New Installation X  
Replacement \_\_\_\_\_

Receipt # 41515  
Date 4-15-88

Name of Installer JOHN GASKE / GASKE PLUMBING & HEATING Telephone 247-6963

License number # 3189  
Certified Well Pump Installer \_\_\_\_\_ Well Driller \_\_\_\_\_ Registered Plumber X

Name of Property Owner William King Telephone 992-9181  
Subdivision Holly Hill Estates Lot # 3 Well tag # HU - 81 - 2073  
Site Address 14254 BURNWOODS RD.

Pump

- 1. Type
  - a. Deep well jet \_\_\_\_\_
  - b. Shallow well jet \_\_\_\_\_
  - c. Submersible X

2. Make myers

3. Model # \_\_\_\_\_

4. Capacity 3 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 X Cable guards X Other TAPE

Motor

1. Horsepower \_\_\_\_\_

2. RPM \_\_\_\_\_

3. Voltage \_\_\_\_\_

a. 110 \_\_\_\_\_

b. 220 X

Pitless Adapter

1. Make \_\_\_\_\_

2. Model # SJ 72J 74

3. Depth 400'

Tank

1. Capacity 82

2. Pressure relief

value? 75

Piping

1. Type Quest Big Blue

2. Size 1"

3. NSF and/or BOCA

Code approved yes

4. Depth of supply

line 25' fr. Bottom

Well data

1. Depth \_\_\_\_\_ ft.

2. Yield \_\_\_\_\_ GPM

3. Static water

level \_\_\_\_\_ ft.

4. Will water supply

be disinfected by

installer? \_\_\_\_\_

4-29-88 Pitless 44" well line 40-46" - Inside work complete - Pump not seen SA

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: John Gaske III

4/19/88 - SEE OTHER SIDE Date: 4-15-88

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

4/19/80

- ① Pitless Adapter OK
- ② Ground wire OK
- ③ Pipe OK
- ④ Pressure tank OK
- ⑤ There is a blockage in the well & Easterday is going to have to drill through blockage before approval
- ⑥ OK TO COVER OUT SIDE WORK BUT WE MUST BE INSPECTED AROUND WELL PITLESS ADAPTER AFTER WELL BLOCKAGE FIXED

4/21/80

EASTERDAY WORKING ON WELL R17

R17



Friday 6-12-87

8.00

Review OK 8/26 7/2/87

Age \_\_\_\_\_ of \_\_\_\_\_  
Date \_\_\_\_\_

FIELD DATA SHEET  
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-2073  
Location of property (road) BURNWOODS RD  
Subdivision HOLLY HILLS Lot 5 Block \_\_\_\_\_ Plat \_\_\_\_\_ Sec. \_\_\_\_\_  
Well Driller G. EASTERDAY Owner KING WILLIAM

Depth of well 400 36 PM  
Distance of measuring point (M.P.) above ground 1 ft  
Static water level (S.W.L.) below M.P. 68 ft

I. High rate pumping -- reservoir drawdown

Time pump started 8:20 Pumping rate 12 gpm  
Total time 25 min to reach pumping water level 157 ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill <u>X1</u> gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
8:45	157 ft	20 sec	N/A	3 gpm
9:00	157'	20	pump at 300' R. Hanner	3
9:15	157'	20		3
9:30	157'	20		3
9:45	157'	20		3
10:00	157'	20		3
10:15	157'	20		3
10:30	157'	20		3
10:45	157'	20		3
11:00	157'	20		3
11:15	157'	20		3
11:30	157'	20		3
11:45	157'	20		3
12:00	157'	20		3
12:15	157'	20		3
12:30	157	20		3
12:45	157	20		3
1:00	157	20		3
1:15	157	20		3
1:30	157	20		3
1:45	157	20		3
2:00	157	20		3
2:15	157	20		3
2:30	157	20		3
2:45	157	20		3



B 1 **0245** SEQUENCE NO. (OEP USE ONLY)  
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

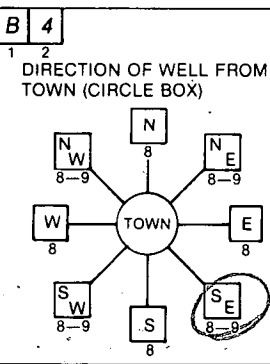
STATE OF MARYLAND  
 6/11/87 PERMIT TO DRILL WELL  
 LATE please print or type

OEP PERMIT NUMBER  
**40-81-2073**  
 fill in this form completely

Date Received  
 OWNER INFORMATION  
**KING WILLIAM**  
 10017 EVERGREEN AVE  
 COLUMBIA MD 21046

B 3 LOCATION OF WELL **R-39309**  
**HOWARD** COUNTY  
**HOLLYHILLS ESTATES**  
 SECTION **3** LOT **3**  
**CLEMWOOD**  
 MILES FROM TOWN (enter 0 if in town) **3** MI

DRILLER INFORMATION  
**George F. Easterday**  
**L. Franklin Easterday, Inc.**  
 9265 Br. Ch. Rd., Mt. Airy, Md. 21771  
 Address **George F. Easterday** 5/5/87  
 Signature Date



**Burntwoods Rd.**  
 NEAR WHAT ROAD  
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
 DISTANCE FROM ROAD **600** FT  
 ENTER FT or MI **FT**

B 2 WELL INFORMATION  
 APPROX. PUMPING RATE (GAL. PER MIN.) **500**  
 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  
**HOWARD** COUNTY NAME  
**A 39309** COUNTY NO.  
 OEP SIGNATURE **B. A. Ryan** STATE HEALTH INSERT S  
 DATE ISSUED **05/13/87** EXP. DATE **11/13/87**  
 NORTH GRID **527000** EAST GRID **0798000**

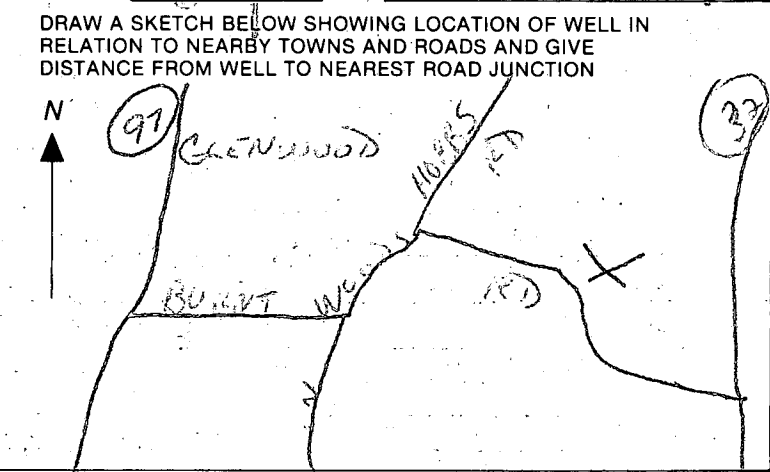
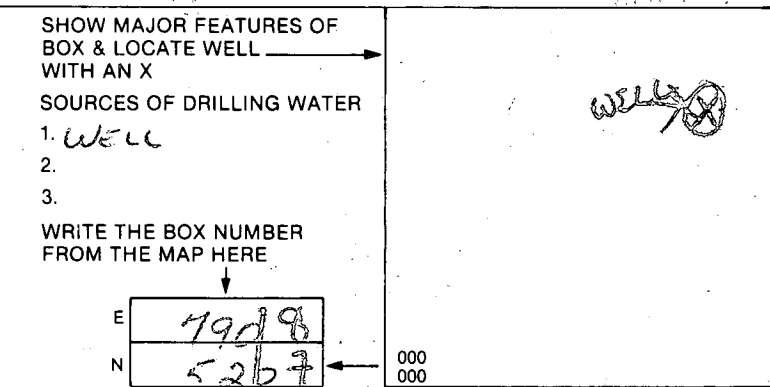
APPROXIMATE DEPTH OF WELL **200** FEET

APPROXIMATE DIAMETER OF WELL **6** NEAREST INCH

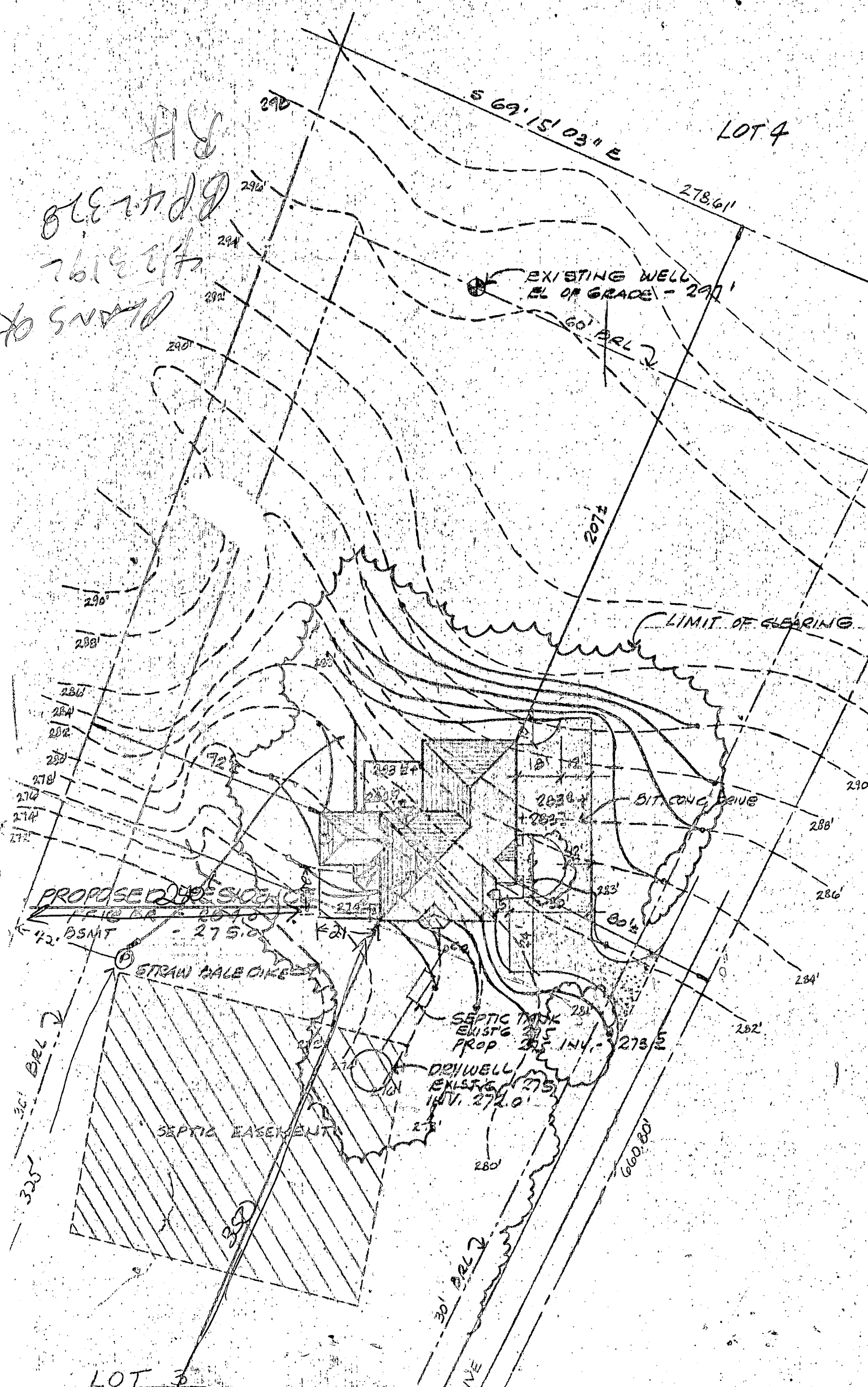
METHOD OF DRILLING (circle one)  
 BORED (or Augered) JETTED Jetted & DRIVEN  
 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)  
 CABLE REVERSE-ROTARY DRIVE-POINT  
 other \_\_\_\_\_

REPLACEMENT OR 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  
 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 (OEP USE ONLY)  
 APPROP. PERMIT NUMBER \_\_\_\_\_ GAP \_\_\_\_\_  
 FORCE **Ba** INITIALS IN BOX PERMIT NO. **40-81-2073**



Handwritten notes: "Plans of 1/2 acre to 3/4 acre" and "1/2 acre to 3/4 acre".



LOT 4

S 69° 15' 03" E

278.61'

EXISTING WELL  
EL OF GRADE - 297'

60' BEL

207'

LIMIT OF CLEARING

BITUMEN DRIVE

PROPOSED RESIDENCE

42' BSMT

STRAW BALE OIL

SEPTIC TANK  
EXIST'G 275'  
PROP 205' IN 4' - 273' E

DRIVEWELL  
EXIST'G 275'  
IN 4' 272.0'

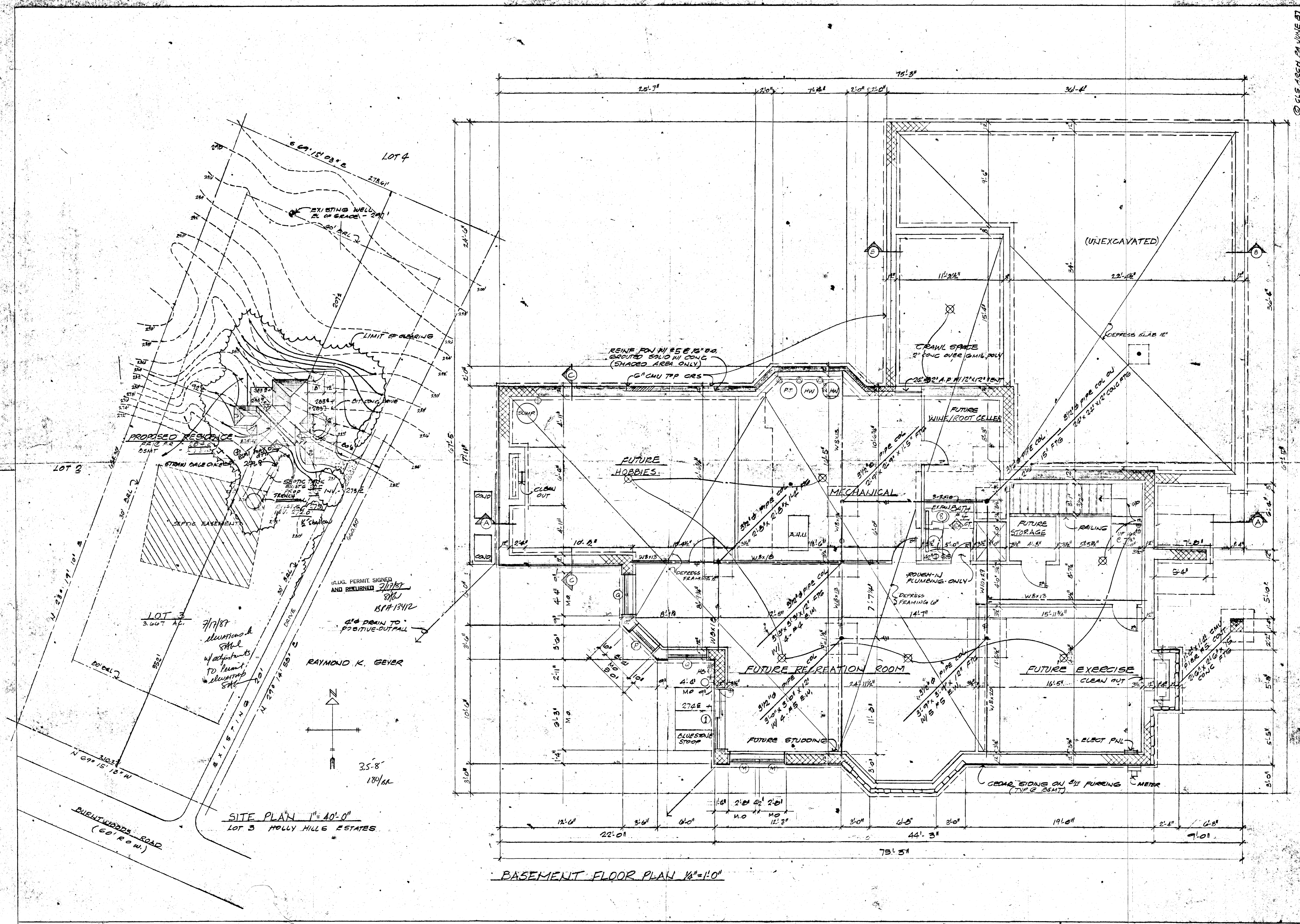
SEPTIC EASEMENT

30' BEL  
DRIVE

660' 80'

LOT 3  
3.667 A.C.

4" Ø DRAIN TO  
DRAINAGE OUTFALL



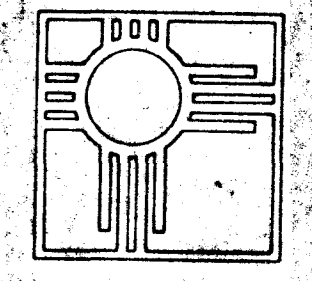
SITE PLAN 1"=40'-0"  
LOT 3 HOLLY HILLS ESTATES

BASEMENT FLOOR PLAN 1/4"=1'-0"

© C.L.S. ARCH PA JUNE 87

REVISIONS  
**CRAIG L STEWART**  
ARCHITECT PA  
5408 SMOOTH MEADOW WAY  
COLUMBIA, MARYLAND 21044  
BALT. 964-9233 ... WASH. 596-5003

KING RESIDENCE  
LOT 3, BURNHURD RD., HOLLY HILLS ESTATES, HOWARD COUNTY, MD.  
SITE PLAN, BASEMENT FLOOR PLAN



JOB 75-87  
DATE JULY 87  
SHEET 1  
OF 2