

5/26/94
5/27/94

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 57031

A 48653

DISTRICT 4th

DATE 5/13/94

DATE SYSTEM APPROVED 5/31/94

INSPECTOR (CW)

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~461-5833~~ 313-2640

INDEXED

Walter King P & H Contractors IS PERMITTED TO INSTALL ALTER

ADDRESS 50305 King's Court, Frederick, Maryland 21702 PHONE 831-4070

SUBDIVISION McKendree Estates LOT Parcel B ROAD 2600 McKendree Road

PROPERTY OWNER Wheeler Development, Inc. J.S & L.W. PeArt

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 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 - Place the distribution box at the highest point in the sewage easement or approximately as follows: 80.35 feet to the rear of the house and 80.5 feet from the garage, at the surveyor's stake. Run the trenches on contour away from the house.

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 1/26/94 changes per Paul review 12/29/93

PLANS APPROVED BY Raymond Hodges/Mark Rifkin REVISED DATE 12/29/93

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

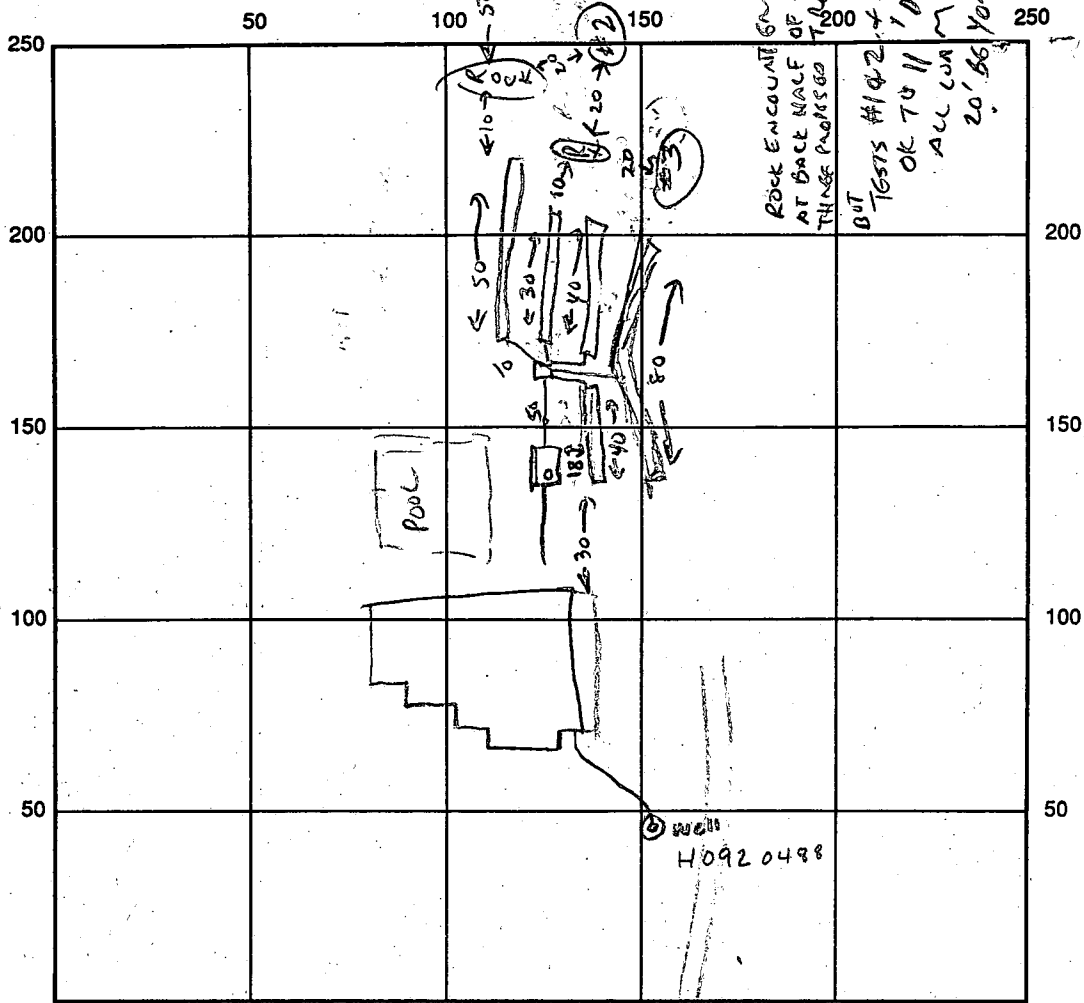
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON, CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

BLDG. PERMIT SIGNED
AND RETURNED 7/20/94
Serial # 55335

deck

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



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL ✓ CLEANOUTS ST ✓

DISTRIBUTION BOX LEVEL ✓

DRAIN FIELD/TITLE DEPTH 5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 240' FT.

NUMBER OF TRENCHES 5
 (1) 50'
 (2) 30'
 (3) 40'
 (4) 40'
 (5) 80'
 ONE SIDEWALL/BOTTOM AREA 720 SQ. FT.

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

ABSORBENT AREA — SQ. FT.

REMARKS: 5/26 HIT MASON ROCK - GNEISS Boulders to 80% of volume 60' from start
of first trench. STOPPED TRENCH AT 50'. VISPERNS OK 50' BEYOND AND ALSO 20' BELOW
ROCK 310T. APPEARS TO BE LOCALIZED PROBLEM: OK TO CONTINUE AS PER ORIGINAL PLAN,
PROMISING "REASONABLE" BENTH TO THE ROCK LOCATION. (CW) 5/27/94 HIT ROCK AGAIN
TRENCHES 304 OK TO COVER - 5/27/94 - ALL TRENCHES COMPLETE 5/31/94 (CW)
SHORTEN TRENCH 2

5/19/94 WPI OK TO COVER ALL

DATE SYSTEM APPROVED 5/31/94 INSPECTOR CW [Signature]

APPLICATION

PERCOLATION TESTING

A 48653

P _____

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

*NO HISTORY
NEW TESTS REQ'D*

DISTRICT _____

DATE 10-22-92

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 PETTIT & GRIFFIN INC. LAURA & STEVE PETTIT

ADDRESS 18205-D FLOWER HILL WAY PHONE (301) 475-1020
GAITHERSBURG MARYLAND 20879

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

PMCEL B

SUBDIVISION Mckendree estates LOT NO. 42

ROAD AND DESCRIPTION 2670 Mckendree Road

TAX MAP 14 PARCEL # 123
SIZE OF LOT 40,000# - 60,000# TYPE BLDG. SINGLE FAMILY DWELLING
25 acre large lot
BLDG. PERMIT SIGNED AND RETURNED 4/29/94
Shirwood prop
(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. Zacharia y. fisch (agent)
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS 11/07/92 - Perce OK / Hold for Plat

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

49653

Lot 42 40

MCKENNA RD

McRendree Estate

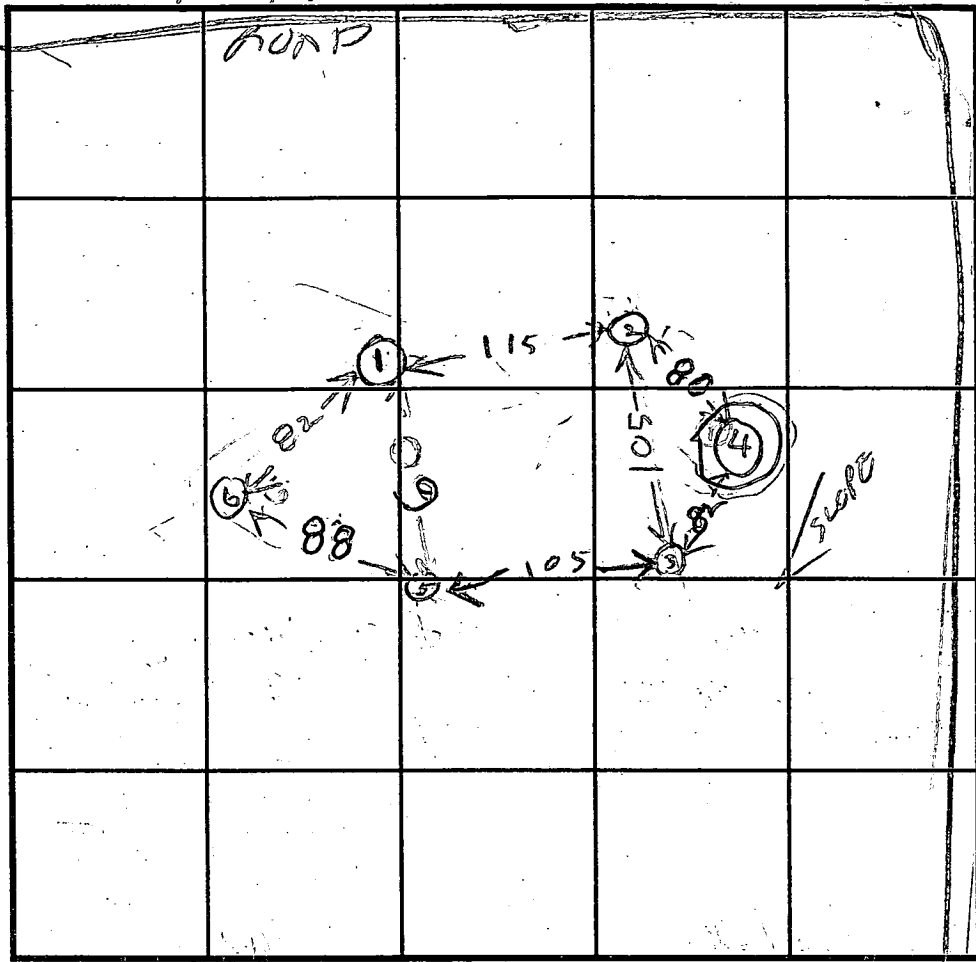
COUNTY #

SOIL PROFILE 1

0' TOPSOIL CLAY
3' BEIGE SAND LOAM

11' 0' 2' TOPSOIL BROWN CLAY
4' TAN BEIGE SAND LOAM

3' 0' 3' TOPSOIL BROWN CLAY
TAN SAND LOAM



SOIL PROFILE 5

0' TOPSOIL CLAY
3' BEIGE SAND LOAM
9 1/2' MOIST
10 1/2'

6' TOPSOIL CLAY
2' BEIGE SAND LOAM

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11/17/92	1S	7	302	304	304	306	4
	1D	7	302	304	304	406	4
	1V	11	OK - SHALLOW				
	2V	12	OK - SHALLOW				
	3S	3	410	412	412	417	5
	3V	12	OK - SHALLOW				
	4V	7	ROCK				
	5S	3.5	325	327	327	335	8
	5V	10.5	OK				
11/17/92	6V	12	OK				

REMARKS: Holes (1)(2) dugger stake other Holes dug differently

TESTED BY: R HODGES ALSO PRESENT: Hugh Okellman Jr & Sr

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME: 5 TRENCH WIDTH: 3

INLET DEPTH: 3 MAXIMUM BOTTOM DEPTH: 5 SQ. FT./BEDROOM: 180

B 1 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

Date Received (APA) **11 07 93**

OWNER INFORMATION

PETTIT LAURA
 Last Name Owner First Name

2301 WILKINS RD
 Street or RFD

MT AIRY MD 21771
 Town State Zip

B 3 LOCATION OF WELL

HOWARD Parcel 123

8 COUNTY **21**

MCKENDREE ESTATES
 SUBDIVISION

SECTION **44** LOT **48**

GLENSWOOD
 NEAREST TOWN

MILES FROM TOWN (enter 0 if in town) **2 MI**

DRILLER INFORMATION

David Kelly 692-6981 **304**
 Driver's Name License No. 80

Jones Well Drilling Inc
 Firm Name

3700 Kush Rd Clarksville 21084
 Address

David Kelly 11-2-93
 Signature Date

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

NE (circled)

NEAR WHAT ROAD **2600 McKendree Rd**

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

W (circled)

DISTANCE FROM ROAD **840 FT**

B 2 WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) **7**

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **400**

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 **A48653**
 COUNTY NAME COUNTY NO.

STATE SIGNATURE _____ INSERT S

DATE ISSUED **11 15 93** **R. Hodge** 11/15/93
 EXP. DATE

NORTH GRID **530 000** EAST GRID **0770 000**

APPROXIMATE DEPTH OF WELL **200** 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

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

1. 120 FT CASING
2. 20 FT OPEN HOLE
3. 165 FT NEUM
4. LOGS
5. WELCK RLY

WRITE THE BOX NUMBER FROM THE MAP HERE

E 740
N 530

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

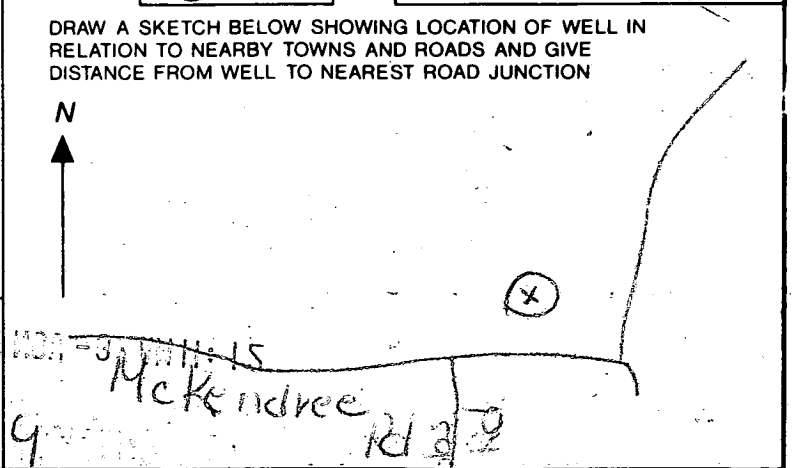
THIS WELL WILL NOT REPLACE AN EXISTING WELL

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

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 (OEP USE ONLY)

APPROX. PERMIT NUMBER **G A P**

FORCE **1** WRITE INITIALS IN BOX **10-92-0488** PERMIT No.
 67 68 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

Well permit issued w/o state inspection.

C1 8773

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)

FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE

COUNTY NUMBER A 48653

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 10-92-0488

OWNER: MCKENREED LAURA last name MCKENREED first name TOWN GLENWOOD SUBDIVISION: MCKENREED ESTATES SECTION LOT: 14 PARCELS: 3

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. Rows include dirt, red brown rock, hard tan & gray rock, med hard tan rock, hard gray rock, med hard tan rock, hard gray rock, med hard gray rock, hard gray rock, med brown rock, hard gray rock, med hard gray rock, hard gray rock, med tan rock, hard gray rock, med tan rock, med hard tan rock, hard gray rock.

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle appropriate box) YES [Y] NO [N] TYPE OF GROUTING MATERIAL CEMENT [CM] BENTONITE CLAY [BC] NO. OF BAGS 6 NO. OF POUNDS 60 GALLONS OF WATER 30 DEPTH OF GROUT SEAL (to nearest foot) from 0 to 19 ft.

CASING RECORD

MAIN CASING TYPE [PL] Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 20 OTHER CASING (if used) diameter inch depth (feet) from to

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

DEPTH (nearest ft.) 19 59 105 165

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

THEREBY 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 IDENT. NO. 304 David Kelly

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) Chris Hison

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

SLOT SIZE 1 2 3 DIAMETER OF SCREEN 5 (NEAREST INCH) GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q TELESCOPE CASING LOG INDICATOR OTHER DATA

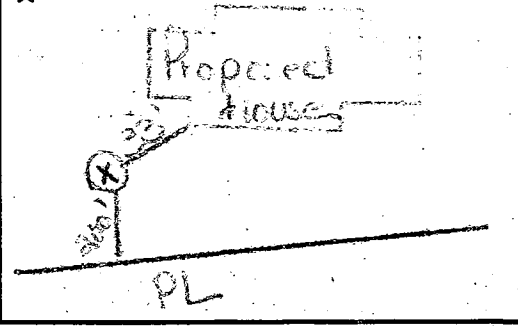
PUMPING TEST

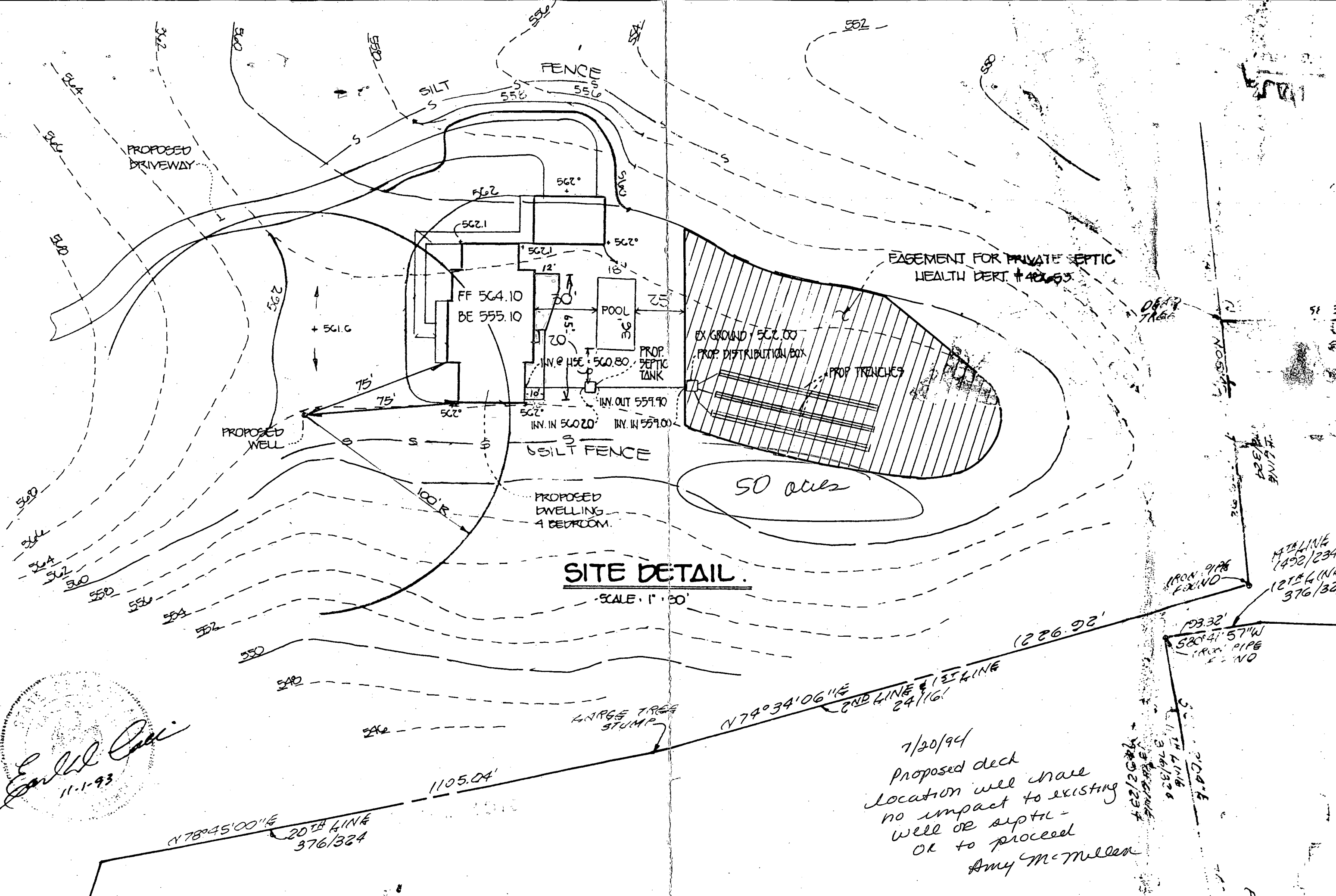
HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min. to nearest gal.) 13 METHOD USED TO MEASURE PUMPING RATE timer WATER LEVEL (distance from land surface) BEFORE PUMPING 24 WHEN PUMPING 25 TYPE OF PUMP USED (for test) [S] submersible [A] air [P] piston [T] turbine [C] centrifugal [R] rotary [O] other [J] jet

PUMP INSTALLED

DRILLER WILL INSTALL PUMP YES [NO] IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE 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 [-] below LAND SURFACE 1 (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)





SITE DETAIL.

SCALE 1" = 30'

Earl L. Cacci
11-1-93

7/20/94
Proposed deck location will have no impact to existing well or septic - OK to proceed
Amy McMiller

N 78° 45' 00" E 20TH LINE 376/324

N 74° 34' 06" E 1ST LINE 24/16'
2ND LINE 24/16'

193.32'
S 80° 41' 57" W IRON PIPE FOUND

1ST LINE 1492/234'
2ND LINE 376/324

#22/2600
#22/2600
#22/2600

1ST LINE 24/16'

FENCE

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 CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Earl D. Collins 11-1-93
SIGNATURE OF ENGINEER

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.

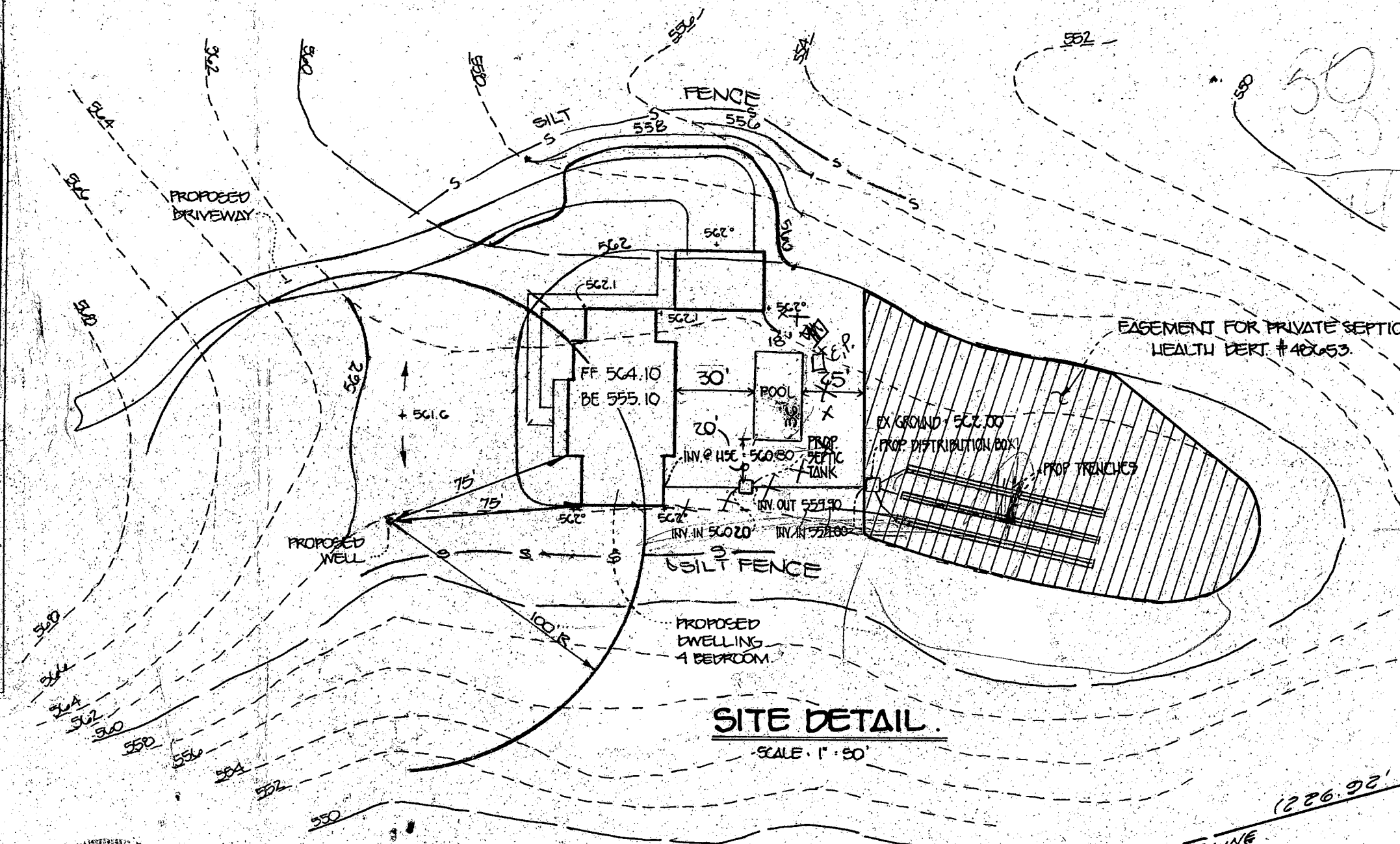
Stephen Lett 11/1/93
SIGNATURE OF DEVELOPER DATE

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

U.S. SOIL CONSERVATION DISTRICT DATE

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

DISTRICT HOWARD SOIL CONSERVATION DIST DATE



SITE DETAIL

SCALE: 1" = 50'

SEQUENCE OF CONSTRUCTION

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



PROPERTY OF
FRANCISCO R. CLARK &
CAROL A. CLARK
#53/532

PROPERTY OF
FRANCISCO R. CLARK &
CAROL A. CLARK

4/29/94
Proposed pool location has no impact to well and septic (see bill) and was adjusted to accommodate pool location of McMullen

2181.51' N 78°45'00" E
376/324
528.5' N 78°45'00" E
1090/429

N 78°45'00" E
1105.04'
20' B LINE
376/324

N 79°34'06" E
24/161
20' B LINE
131' LINE

(226.92')