

LAYOUT 7/3/02 1:00 INSP 4 7/22/02 2-3  
 INSP 2 7/16/02 pm INSP 5 7/23/02 10:00  
 INSP 3 7/18/02 2-3 INSP 6 7/24/02 2:00

ISSUE DATE: 7/2/02  
 APPROVAL DATE: 7/24/02

P 517344-B  
 A 59914H

**PERMIT  
INDEXED**

**ON-SITE SEWAGE DISPOSAL SYSTEM  
 HOWARD COUNTY HEALTH DEPARTMENT  
 BUREAU OF ENVIRONMENTAL HEALTH**

04-363760

Fogles Septic Clean, Inc IS PERMITTED TO INSTALL  ALTER   
 ADDRESS: 580 Obrecht Road, Sykesville PHONE NUMBER: 410-795-5670  
 SUBDIVISION: Monticello LOT NUMBER: 31  
 ADDRESS: 14316 Fox Creek Court PROPERTY OWNER: D.R. Horton, Inc.  
 SEPTIC TANK CAPACITY (GALLONS): 1250 OUTLET BAFFLE FILTER REQUIRED   
 PUMP CHAMBER CAPACITY (GALLONS): N/A COMPARTMENTED TANK REQUIRED   
 NUMBER OF BEDROOMS: 4  
 SQUARE FEET PER BEDROOM: 180  
 LINEAR FEET OF TRENCH REQUIRED: 240 HOUSE SERVED BY PUBLIC WATER

TRENCHES:	Trench to be 3.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 5.0 feet below original grade. Effective area begins at 3.0 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box as shown on approved site plan. Run trenches on contour. Box location/ and or orientation of trenches may be changed during layout inspection.
NOTES:	

PLANS APPROVED: SRK OK 3/12/02 (SQ) DATE: 2/20/02

NOTES: PERMIT VOID AFTER 2 YEARS  
 CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS  
 WATERTIGHT SEPTIC TANKS REQUIRED  
 ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED  
 MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED  
 CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE REGULATIONS, GUIDELINES AND THE TERMS OF THIS PERMIT

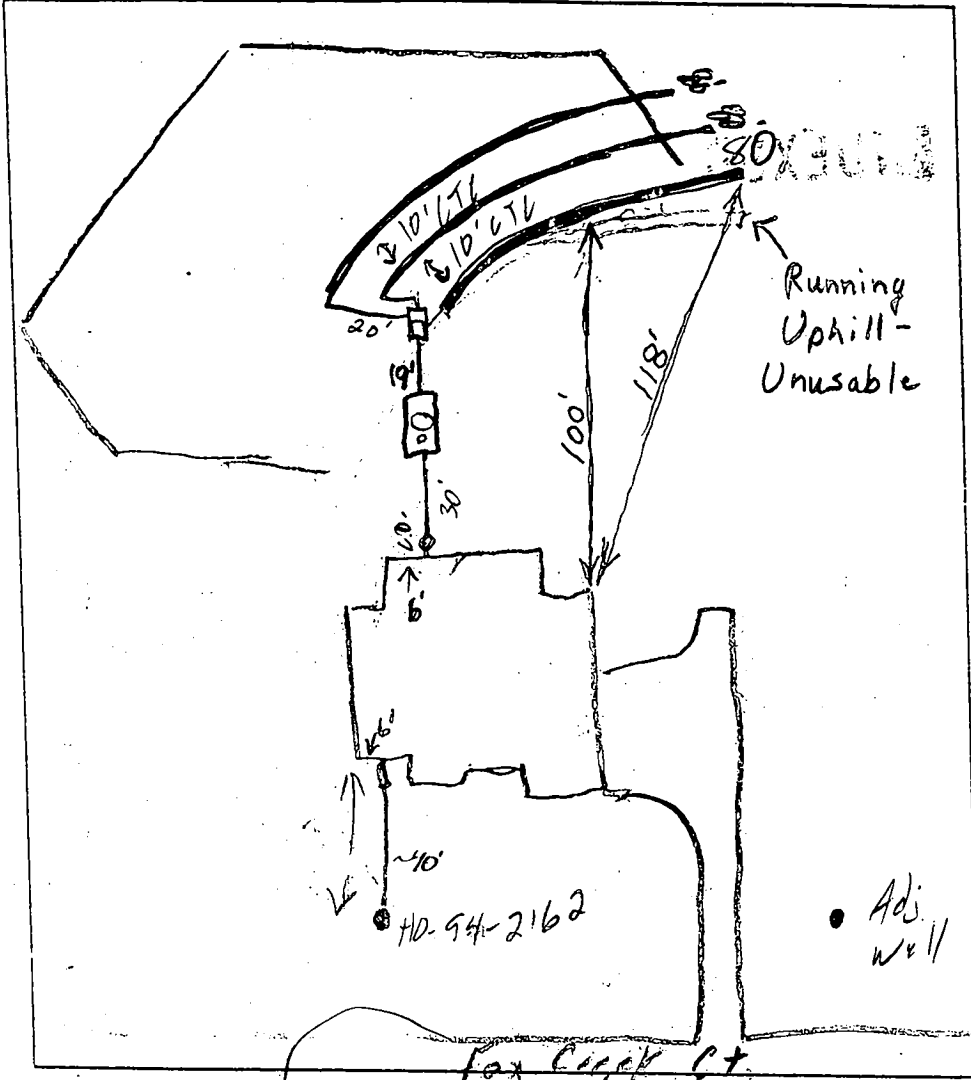
**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM**

**BUILDING PERMIT SIGNATURE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT AND RETURNED ALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM**

5-8-03 800 141742-DECK  
 4-21-04 800 147571-FINISH BASEMENT

A59914-H

NOT TO SCALE



**TRENCH DATA**

TRENCH WIDTH 3'  
 TRENCH INLET DEPTH 3'  
 TRENCH BOTTOM DEPTH 5'  
 DEPTH OF STONE 3'  
 NUMBER OF TRENCHES 3  
 TOTAL TRENCH LENGTH 240'  
 ABSORBENT AREA 720 sq ft  
 DISTRIBUTION BOX LEVEL Yes  
 BAFFLE IN DISTRIBUTION BOX Yes

**SEPTIC TANK DATA**

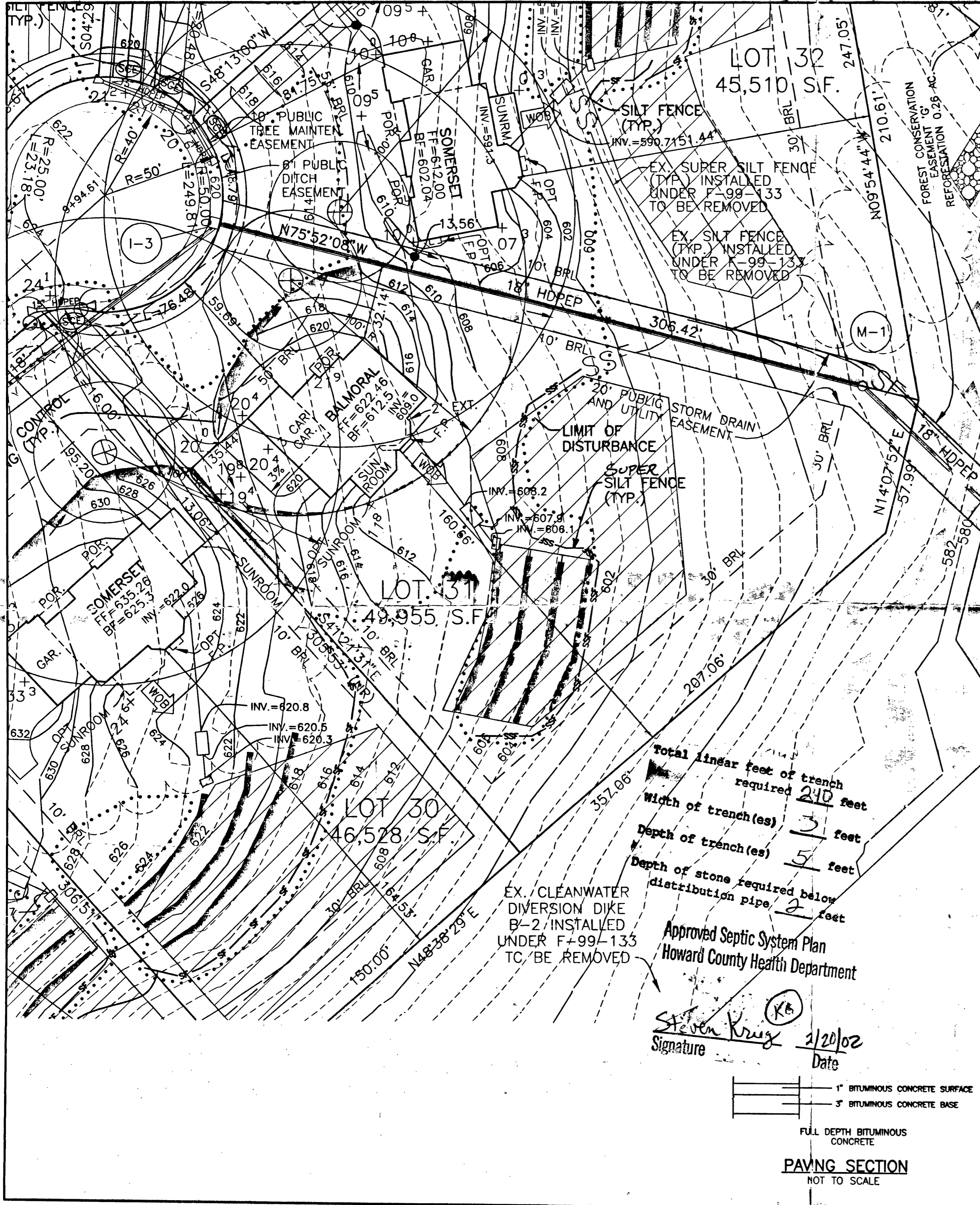
SEPTIC TANK 1250 GALLONS  
 MANHOLE RISER Center-2'  
 6 INCH INSPECTION PORT Yes

**PUMP CHAMBER DATA** N/A

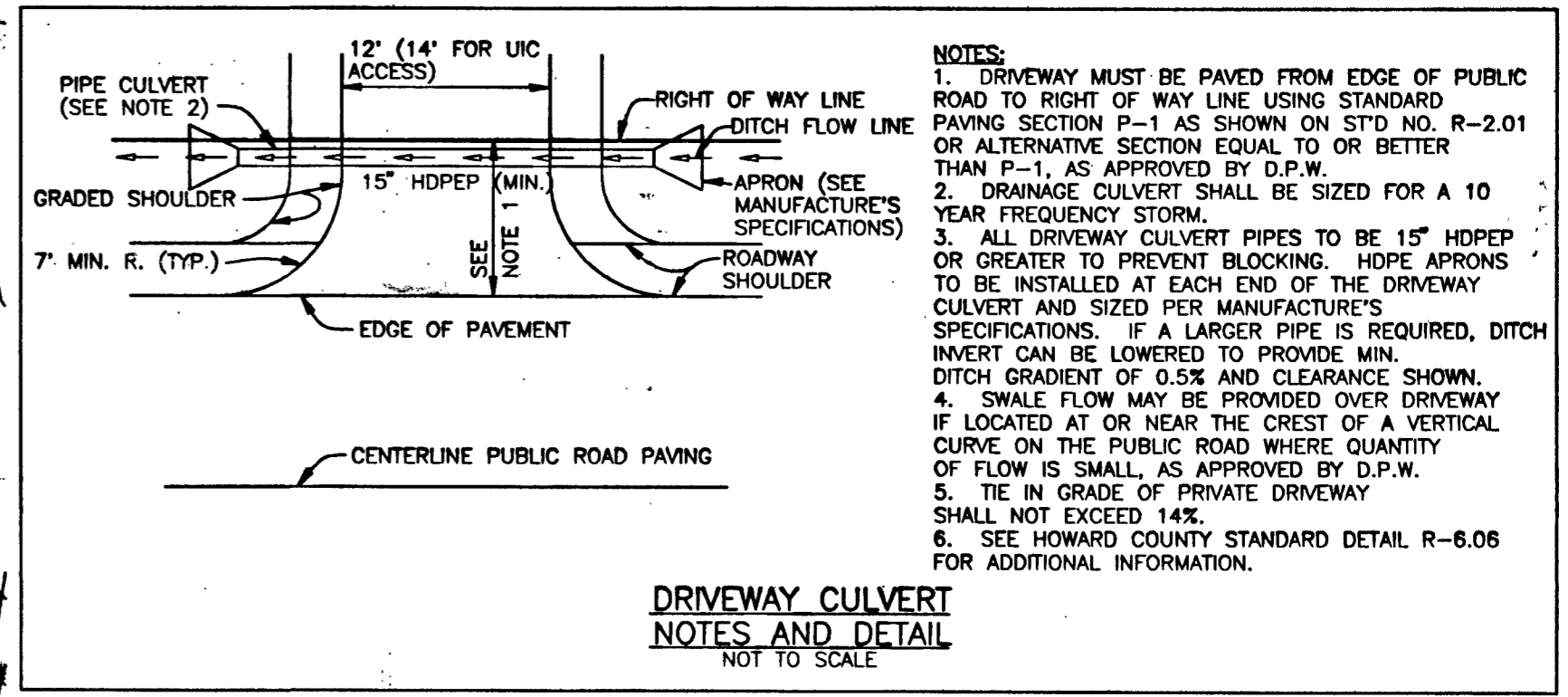
~~PUMP CHAMBER GALLONS \_\_\_\_\_~~  
~~MANHOLE RISER \_\_\_\_\_~~  
~~ALARM \_\_\_\_\_~~  
~~PUMP PERFORMANCE TEST \_\_\_\_\_~~

PRE-CONSTRUCTION INSPECTION: 7/3/02 No one here. Lot not started (SO)  
7/16/02 Lot started. House changed & moved closer to SRA. Trenches  
 INSPECTION COMMENTS: per B.P.: (3) 80's (SO) 7/19/02 pb work (SO)  
7/22/02 Contour appears more arched than shown. Ok to run trenches 5-10'  
outside of SRA on ends. Tank set ok to cover (SO) 7/23/02  
First trench running uphill off contour. To redig end of  
trench downhill and on contour. O.K. to cover first trench (SO)  
7/24/02 Ok to cover all work

INSPECTOR [Signature] DATE SYSTEM APPROVED 7/24/02



- NOTES:**
1. THE LOT SHOWN HEREON WAS RECORDED ON PLAT NUMBER 14088, REFER TO THE PLAT FOR LOT DIMENSIONS, LOT AREAS, ALL EASEMENTS AND BUILDING RESTRICTIONS.
  2. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA IS RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENT INTO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE NECESSARY.
  3. SEDIMENT AND EROSION CONTROLS WERE APPROVED BY HOWARD SOIL CONSERVATION DISTRICT UNDER GP-00-92 AND MODIFIED FOR THIS SPECIFIC HOUSE.
  4. TOPOGRAPHY SHOWN HEREON IS TAKEN FROM THE APPROVED ROAD CONSTRUCTION PLANS.
  5. EXACT LENGTH OF SEPTIC TRENCHES ARE TO BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF PERMIT ISSUANCE.
  6. SPOIL FROM THE TRENCHING OF THE SEPTIC AREA IS TO BE PLACED ON THE UPHILL SIDE OF THE EXCAVATION FOR EACH INDIVIDUAL LOT.
  7. ALL SEDIMENT AND EROSION CONTROL FEATURES USED ON THIS SITE SHALL COMPLY WITH 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
  8. ALL STORMWATER MANAGEMENT FEATURES USED ON THIS SITE MUST COMPLY WITH THE APPROVED ROAD CONSTRUCTION PLANS.



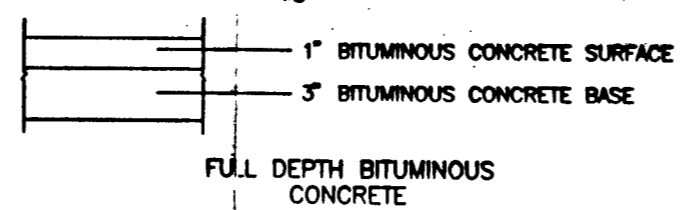
**BASEMENT SERVICE BY GRAVITY PROPOSED**

- LEGEND**
- LIMIT OF DISTURBANCE
  - EX. SILT FENCE
  - PROP. SILT FENCE
  - EX. SUPER SILT FENCE
  - PROP. SUPER SILT FENCE
  - EX. EARTH DIKE
  - PROP. EARTH DIKE
  - STABILIZED CONSTRUCTION ENTRANCE
  - EXISTING CONTOUR
  - PROPOSED CONTOUR
  - EROSION CONTROL MATTING

Total linear feet of trench required **210** feet  
 Width of trench (es) **3** feet  
 Depth of trench (es) **5** feet  
 Depth of stone required below distribution pipe **2** feet

EX. CLEANWATER DIVERSION DIKE B-2/INSTALLED UNDER F+99-133 TO BE REMOVED  
 Approved Septic System Plan  
 Howard County Health Department

Signature *Steven Krug* (KB)  
 Date **2/20/02**

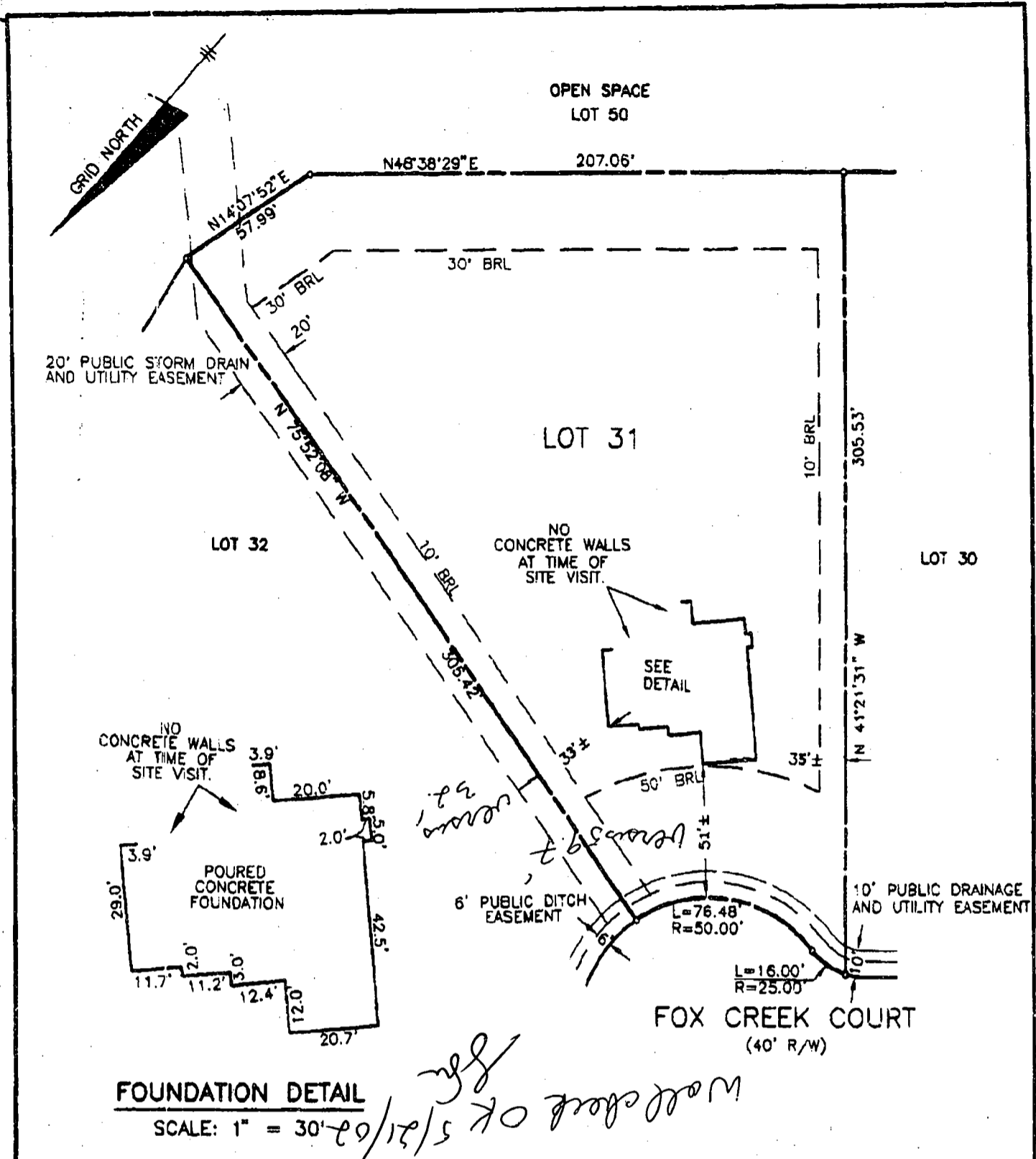


NO.	DATE	REVISION

**BENCHMARK**  
 ENGINEERS & LAND SURVEYORS & PLANNERS  
**ENGINEERING, INC.**  
 6480 BALTIMORE NATIONAL PIKE & SUITE 418  
 ELLICOTT CITY, MARYLAND 21043  
 PHONE: 410-465-6105 FAX: 410-465-6644  
 EMAIL: benchmark@cats.com

JAN 4 2002

OWNER/BUILDER: D.R. HORTON, INC. SUITE 230 1370 PICCARD DRIVE ROCKVILLE, MARYLAND 20850 1-301-670-6144	PROJECT: <b>MONTICELLO LOT 31</b>
LOCATION: 14316 FOX CREEK COURT COOKSVILLE, MD 21723 TAX MAP 14 - BLOCK 19 - P/O PARCEL 246 4th ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND	TITLE: <b>PERMIT PLAN</b>
HOUSE TYPE: <b>BALMORAL</b>	DATE: DECEMBER 12, 2001
DESIGN: JMC/DBT	DRAFT: JMC/DBT
SCALE: 1" = 30'	PROJECT NO. 1304 DRAWING 1 OF 1



**SURVEYOR'S CERTIFICATE**

I HEREBY CERTIFY TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION AND BELIEF, THAT THE DIMENSIONS OF THE BUILDING WALLS SHOWN HEREON ARE CORRECT; THAT THEY ARE BASED ON A FIELD RUN SURVEY PERFORMED BY BENCHMARK ENGINEERING, INC. ON 04/17/02; AND THAT THE PROPERTY OUTLINE SHOWN HEREON IS BASED ON THE PLAT PREPARED BY BENCHMARK ENGINEERING, INC. ENTITLED "MONTICELLO LOTS 1-50, PRESERVATION PARCELS A-D AND NON-BUILDABLE PARCEL E", AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY AS PLAT No.14088

TOP OF FOUNDATION WALL ELEVATION = 821.4'  
 OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 1'

*David M. Harris*  
 DAVID M. HARRIS  
 REGISTERED PROFESSIONAL LAND SURVEYOR  
 MD REG. No. 10978  
 FOR BENCHMARK ENGINEERING, INC.  
 MD REG. No. 13511  
 RECORD PLAT No. 14088  
 FEMA FIRM No. 240044-0009 B  
 ZONE: C  
 DATED: 12/04/96

**BENCHMARK ENGINEERING, INC.**

2000 BALTIMORE NATIONAL PIKE # SUITE 418  
 ELLESDY/ CITY, MARYLAND 21043  
 phone 410-25-5105 A fax 410-420-0044  
 email Benchmark@aol.com



**WALL CHECK  
 MONTICELLO  
 LOTS 1-50, PRESERVATION  
 PARCELS A-D AND  
 NON-BUILDABLE PARCEL E**

LOT No. 31  
 14316 FOX CREEK COURT  
 4TH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

SCALE: 1" = 50' DATE: 04/17/02

Revised 7/15/02  
Relaxed 8/15/02

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
WATER AND SEWERAGE PROGRAM  
TEL: (410)313-2640 FAX: (410)313-2648

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.

Company Name: Fogles Well Drilling Telephone #: 410-795-5670  
Address: 580 Obrecht Rd  
Sylva, Md 21784

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer

License # and name of individual responsible for the field installation:  
Name (Print): Allen Compton License#: MSD009

\*A licensed individual must perform the actual installation. Apprentices must be under the supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification. Unlicensed individuals may be reported to the appropriate licensing agency.

Name of Property Owner: D.R. Horton Telephone #: 301-674-4922  
Subdivision: Monticello Lot #: 31 Well Tag #: HO-94-2162  
Site Address: \_\_\_\_\_

Submersible Pump Data

Make: Goulds  
Model #: 75EP7  
Pump Capacity: 7 GPM  
Well Yield: 1.5 GPM

Pitless Adapter

Make: Campbell  
Model #: \_\_\_\_\_  
Depth: 42" (36" min)  
NSF/WSC approved: yes

Well Cap and Electric Conduit

Two piece watertight cap: yes  
Screened, vented well cap: yes  
Cap secured to casing: yes  
Conduit min 18" B.G.: yes  
Conduit secured to well cap: yes

Depth of well encountered at time of pump installation: 400 (feet)  
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1999 Section 17.8.3  
Torque arrestors, Cable guards, or other acceptable method used- Must circle one

Safety rope, if used, attached to brass rope adapter or other acceptable method inside of well casing N/A

Piping to house

Type: 1" Black Plastic  
PSI: 160 (160 psi min)  
Depth of supply line: 42 (36" min)

House Connection

PVC sleeve to undisturbed soil at wall penetration: yes  
Approximate length of sleeve: yes  
Sleeve caulked and sealed properly: yes

The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Allen Compton Signature of company representative responsible for installation  
Date: 7-22-02

For Health Department Use Only - Not to be completed by Installer

Date Insp. Requested: 7/16/02 Date Insp. Approved: 7/16/02 Inspector: SO BB  
Inspection Data:  
Pitless adapter watertight & water supply line at least 36" below grade ✓  
Two piece cap installed and attached to casing securely ✓  
Elec. conduit extends at least 18" below grade/attached to cap properly ✓  
Safety rope not seen outside of well cap/casing ✓  
Correct well tag attached properly and casing 8" above finished grade ✓  
Water supply line sleeved adequately at house connection ✓  
Adequate grout observed below pitless adapter ✓

C 1 9660  
 1 2 3 6  
 DATE RECEIVED MM DD YY  
 8 13

**STATE OF MARYLAND**  
**WELL COMPLETION REPORT**  
 FILL IN THIS FORM COMPLETELY  
 PLEASE TYPE

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED.  
 COUNTY NUMBER

ST/CO USE ONLY DATE RECEIVED MM DD YY  
 8 13

DATE WELL COMPLETED MM DD YY  
 15 6 24 99

Depth of Well 22 400' 26 (TO NEAREST FOOT)  
 OKCW 3/27/00 SRM

PERMIT NO. FROM "PERMIT TO DRILL WELL"  
 NO-94-2162

OWNER HIGHLAND Development  
 STREET OR RFD Fox Creek Ct TOWN Glenwood  
 SUBDIVISION Monticello - Knapp SECTION \_\_\_\_\_ LOT 31

**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		check if water bearing
	FROM	TO	
Sand	0	32	
Gray Granite	32	400	✓

**GROUTING RECORD**  
 WELL HAS BEEN GROUTED (Circle Appropriate Box)  Y  N  
 TYPE OF GROUTING MATERIAL (Circle one)  
 CEMENT  CM BENTONITE CLAY  BC  
 NO. OF BAGS 9 NO. OF POUNDS 846  
 GALLONS OF WATER 54  
 DEPTH OF GROUT SEAL (to nearest foot)  
 from 0 ft. to 35 ft.  
 (enter 0 if from surface)

**CASING RECORD**  
 casing types insert appropriate code below  
 ST STEEL  CO CONCRETE  
 PL PLASTIC  OT OTHER  
 MAIN CASING TYPE ST  
 Nominal diameter top (main) casing (nearest inch)! 6  
 Total depth of main casing (nearest foot) 37

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

**SCREEN RECORD**  
 screen type or open hole  ST STEEL  BR BRASS  HO OPEN HOLE  
 PL PLASTIC  OT OTHER  
 insert appropriate code below

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED  Y  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

**C 2** DEPTH (nearest ft.)  
 1 2  
 1 HO 35 400  
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 76

**C 3**

**PUMPING TEST**  
 HOURS PUMPED (nearest hour) 6  
 PUMPING RATE (gal. per min.) 1.5  
 METHOD USED TO MEASURE PUMPING RATE Bucket  
 WATER LEVEL (distance from land surface)  
 BEFORE PUMPING 49 ft.  
 WHEN PUMPING 347 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 INSTALLED 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. 29

CAPACITY: GALLONS PER MINUTE (to nearest gallon) \_\_\_\_\_ 31 \_\_\_\_\_ 35

PUMP HORSE POWER \_\_\_\_\_ 37 \_\_\_\_\_ 41

PUMP COLUMN LENGTH (nearest ft.) \_\_\_\_\_ 43 \_\_\_\_\_ 47

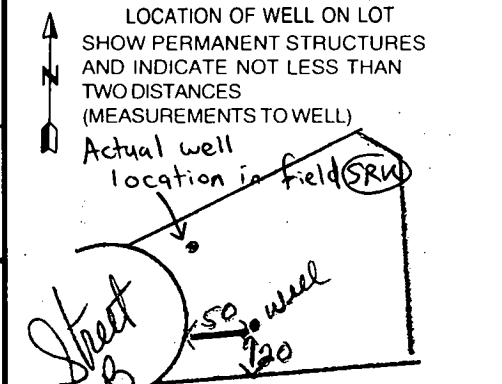
CASING HEIGHT (circle appropriate box and enter casing height)  
 + above } LAND SURFACE  
 - below } 2 (nearest foot)

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. 1 M SDO 24  
 DRILLERS SIGNATURE Joseph L. Maize  
 (MUST MATCH SIGNATURE ON APPLICATION)  
 LIC. NO. 1 D

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)  
 T (E.R.O.S.) \_\_\_\_\_ W O \_\_\_\_\_  
 70 \_\_\_\_\_ 72 \_\_\_\_\_ 74 75 76



B 1 4009

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER

140-94-2162 fill in this form completely

Date Received (APA)

OWNER INFORMATION

Highland Development P.O. Box 228 Clarksville Md. 21029

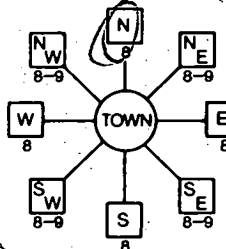
B 3 LOCATION OF WELL

Howard County Knapp Property Glenwood

DRILLER INFORMATION

Joseph L. Mayne M S D O 21 Joseph L. Mayne Well Drilling 5512 Ridge Rd. Mt. Airy 21771

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Street B NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



60 DISTANCE FROM ROAD ENTER FT OR MI

B 2 WELL INFORMATION

APPROX. PUMPING RATE 5 AVERAGE DAILY QUANTITY NEEDED 500

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD 13 COUNTY NAME COUNTY NO. STATE SIGNATURE DATE ISSUED 02/23/99 CO SIGNATURE EXP. DATE 03/22/00

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION (circled) FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) INDUSTRIAL, COMMERCIAL, DEWATERING PUBLIC WATER SUPPLY WELL TEST, OBSERVATION, MONITORING GEO-THERMAL

APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

- BORED (or Augered) AIR-ROTary (circled) JETTED AIR-PERCussion ROTARY (Hydraulic Rotary) CABLE REVerse-ROTary Drive-POINT

REPLACEMENT OR DEEPEMED 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 DEEPEAN AN EXISTING WELL

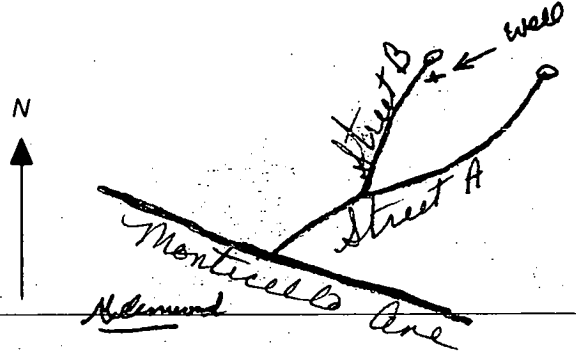
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROX. PERMIT NUMBER GAP PERMIT No. 140-94-2162

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

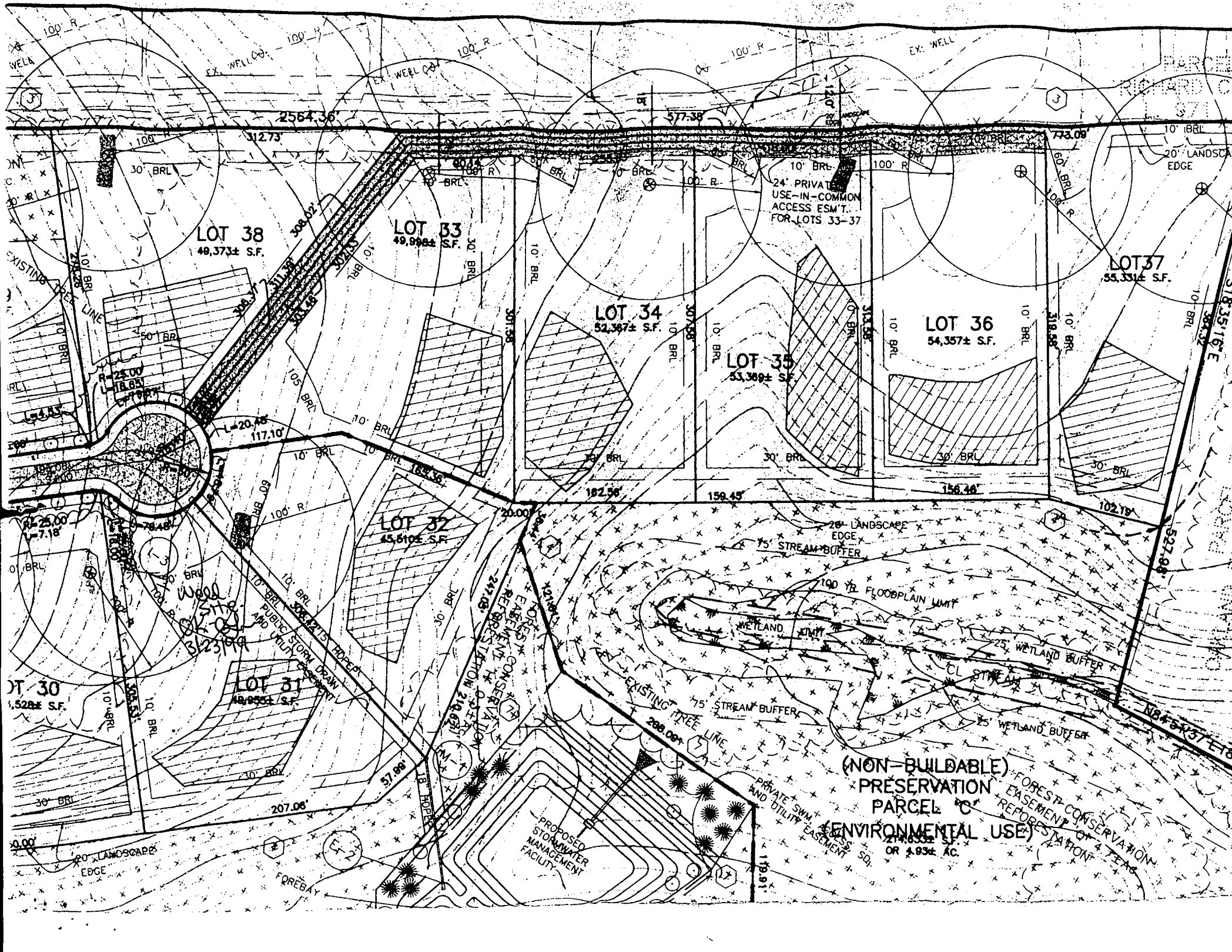
- SOURCES OF DRILLING WATER 1. well 2. 3.

WRITE THE BOX NUMBER FROM THE MAP HERE E 799 N 5484

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



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



(NON-BUILDABLE)  
PRESERVATION  
PARCEL C  
(ENVIRONMENTAL USE)  
FOREST CONSERVATION  
EASEMENT OF 4 YEARS  
RESTRICTION  
24,000± S.F.  
OR 4.93± AC.



COUNTY #

SOIL PROFILE

320

or/red  
brown  
clay  
loam

red/  
tan  
sandy  
clay  
loam

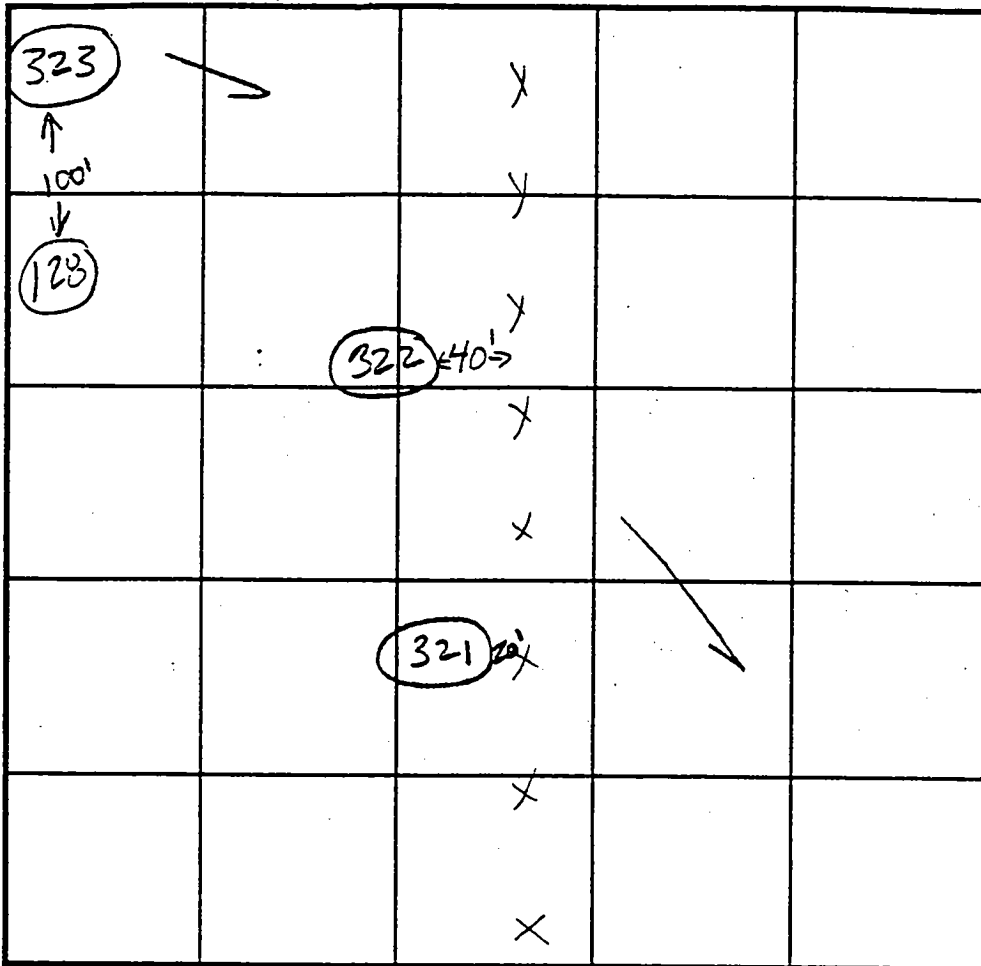
321

same  
as  
hole  
#  
326

322

or/red  
clay  
loam

tan/  
red  
sandy  
clay  
loam  
10%  
shale



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Monticello

SOIL PROFILE

323

red/or  
clay  
loam

tan/  
orange  
sclm  
15%  
shale  
frags

311-A

orange  
clay tm.

orange/  
tan  
sclm  
20% rock

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
	320	12.0' D	visual	ok - see profile			
	321	11.0' D	visual	ok - see profile			
	322	10.0' D	visual	ok - see profile			
	323	11.0' D	visual	ok - see profile			
7.21.93	311-A	4.0' S	2:33 <sub>20</sub>	2:34 <sub>20</sub>	2:34 <sub>20</sub>	2:36 <sub>20</sub>	2min
		11.0' D	visual	ok - see profile			

REMARKS test holes staked

TYPE OF SOIL \_\_\_\_\_

TESTED BY Jim Maiste ALSO PRESENT Clark Sperry

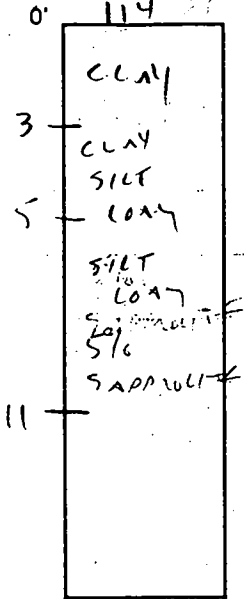
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT/BEDROOM \_\_\_\_\_

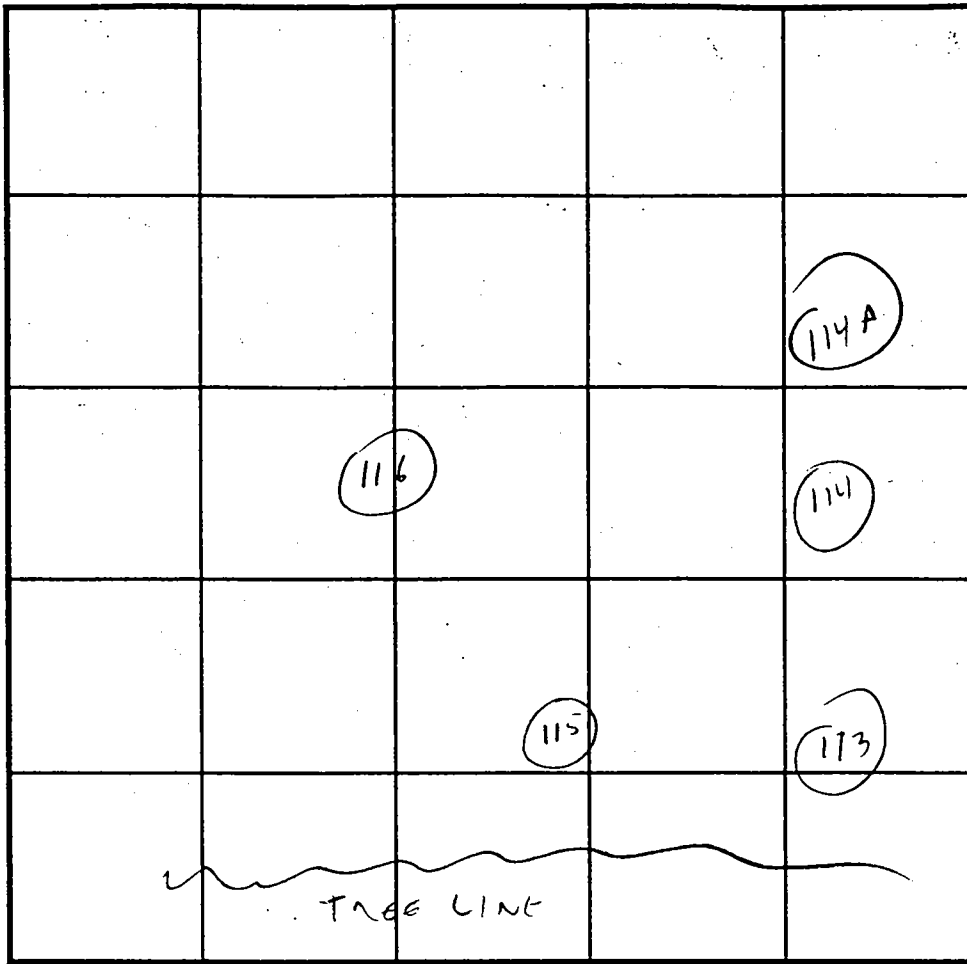
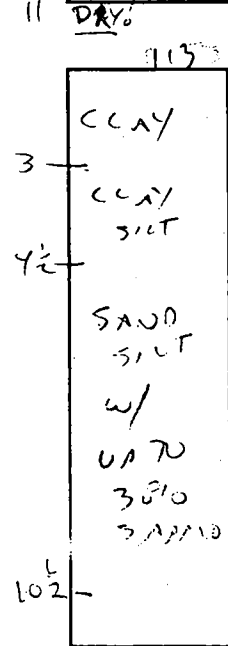
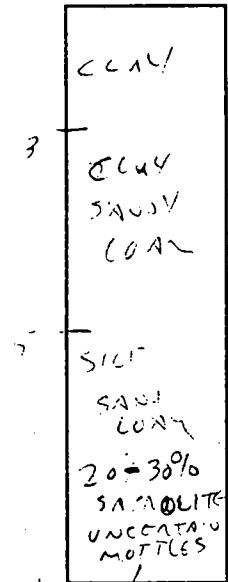
A 59914/S  
COUNTY #

KNAPP SUBD.

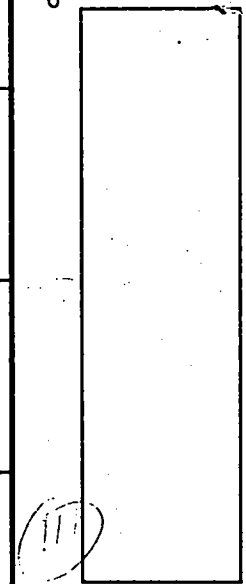
SOIL PROFILE



NEW 114A



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/22/98	114	4'	3:15	3:28	3:28	3:45	17
		VIS FASTER @ 5'					
	114A	VIS -					
		open 7 hrs	no water				
	113	3 1/2'	3:35	3:36	3:36	3:38	2 min
	116		4:23	4 MIN SEE OTHER PAGE			

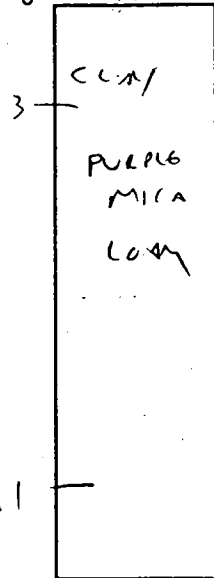
REMARKS \_\_\_\_\_  
 TYPE OF SOIL \_\_\_\_\_  
 TESTED BY Cwillia ALSO PRESENT SPERRY  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

A 59914/5  
COUNTY#

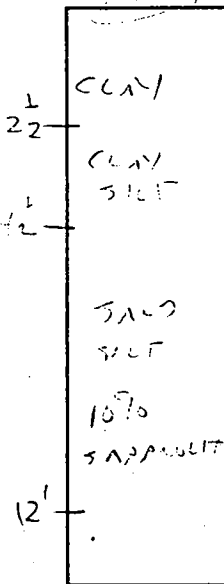
KNAPP SUBD.

SOIL PROFILE

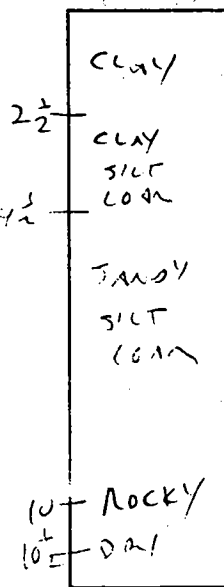
115



116

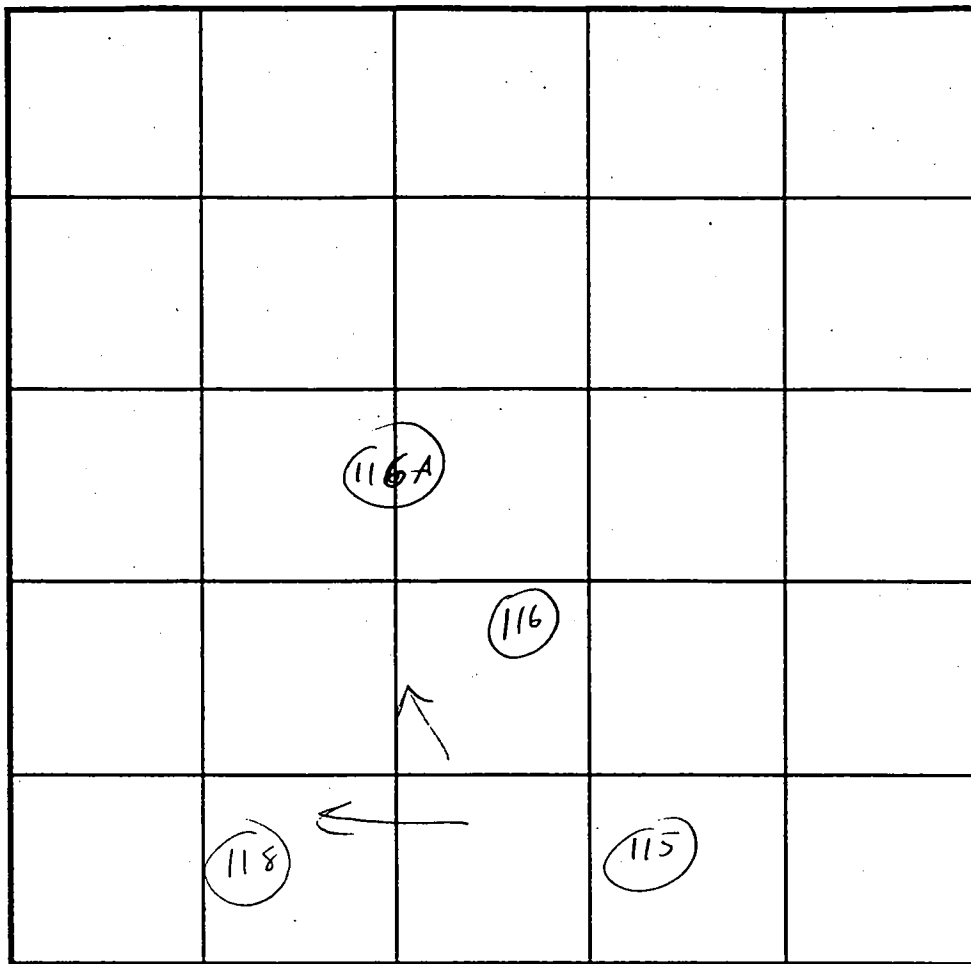
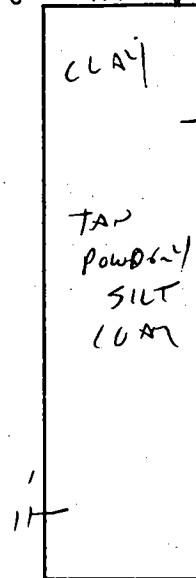


116A



SOIL PROFILE

118



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/22/48	115	3	3:34	3:35	3:35	3:37	2 MIN
	116	3	4:23	4:25	4:25	4:29	4 MIN
	116A	VISOR	3 1/2 - 10'				
			DRY TO 10 1/2'		AFTER 6 HRS'		
	118	4 1/2	3:29	3:30	3:30	3:32	2 MIN

REMARKS \_\_\_\_\_

TYPE OF SOIL \_\_\_\_\_

TESTED BY C. Willha ALSO PRESENT SPERRY

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

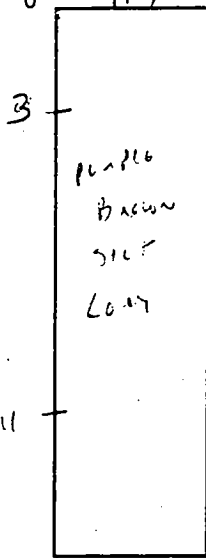
INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

A 59914/5  
COUNTY #

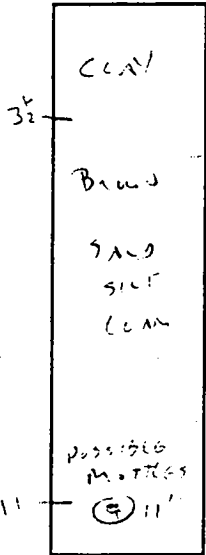
KNAPP SUBD.

SOIL PROFILE

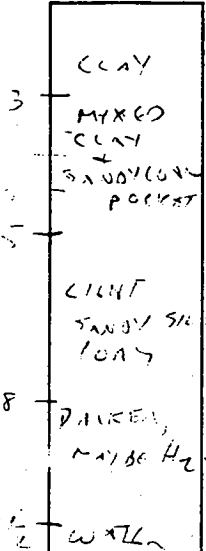
117



119

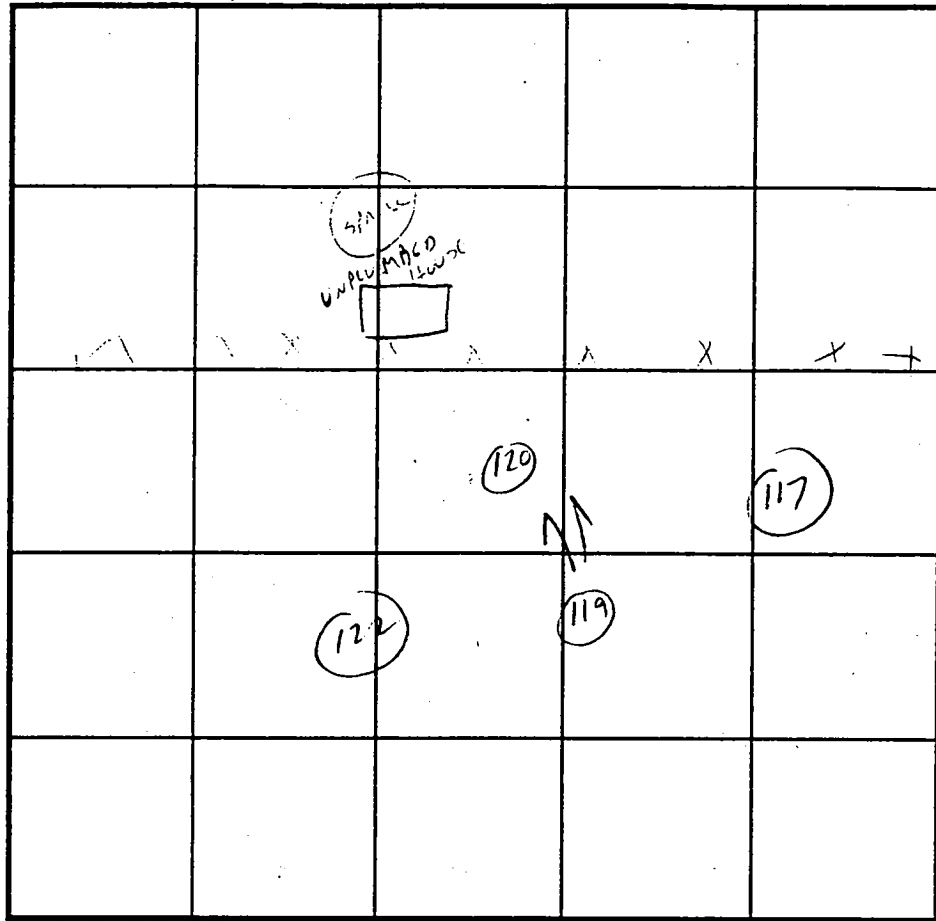
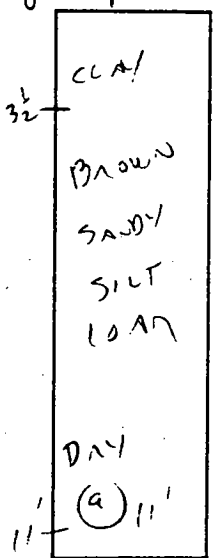


120



SOIL PROFILE

122



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
7/22/98	117	3 1/2	4:04	4:06	4:06	4:09	3 MIN	
	119	3 1/2	4:06	4:08	4:08	4:12	4 MIN	
	120	5'	4:14	4:17	4:17	4:21	4 MIN	
			WATER (a) 11 1/2" AS 5 1/2"					
			LIKE BUT PERC. ABOVE (a) 4' DAY (A) DRAINAGE POSITION					
	122	4'	4:18	4:20	4:20	4:23	3 MIN	
			SAME ELEVATION AS 120 BUT NOT AS AFFECTED BY SITE DRAINAGE					

REMARKS \_\_\_\_\_  
 TYPE OF SOIL \_\_\_\_\_  
 TESTED BY C. Wilha ALSO PRESENT SPERRY  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

KNAPP SUBD.

159914/5

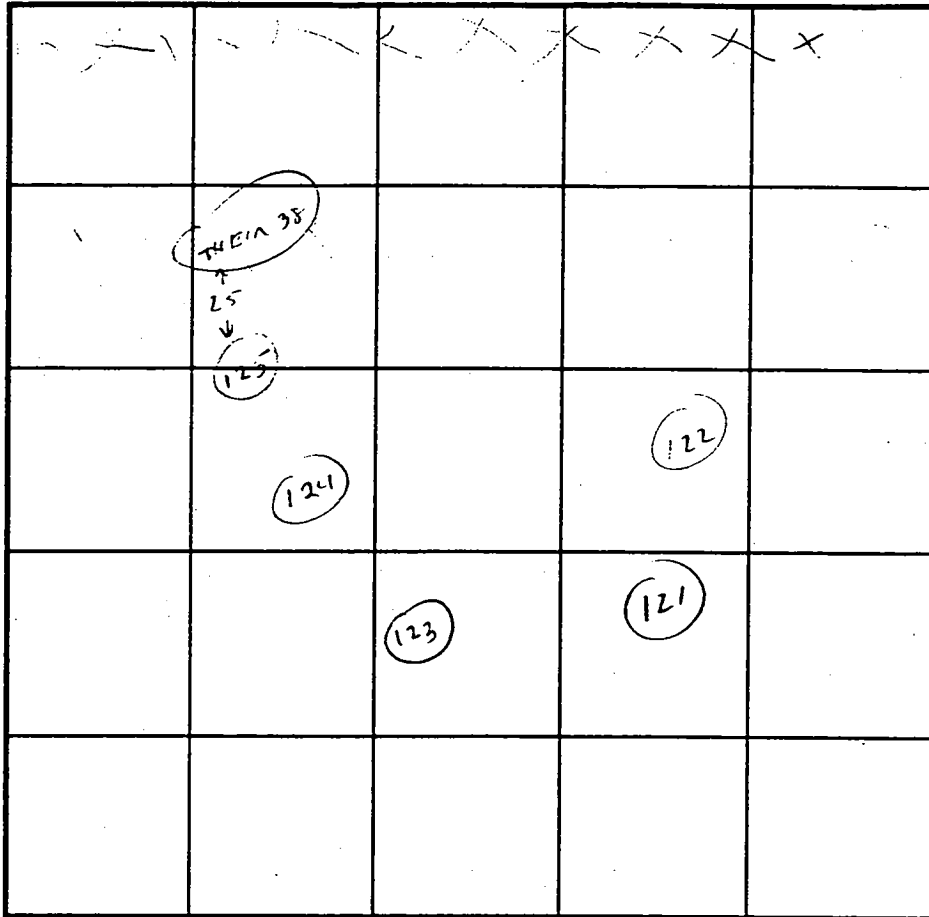
COUNTY #

SOIL PROFILE

0' - 121  
 ORANGE CLAY  
 3' - ORANGE SILT LOAM  
 11' - 127

CLAY  
 4' - ORANGE CHANGING TO TAN SILT LOAM  
 11' - 124

CLAY  
 3' - TRANSITION ZONE  
 5' - TAN SANDY SILT LOAM w/ few pebbles CLAY  
 SOME WEAVING @ 5'  
 11'



SOIL PROFILE

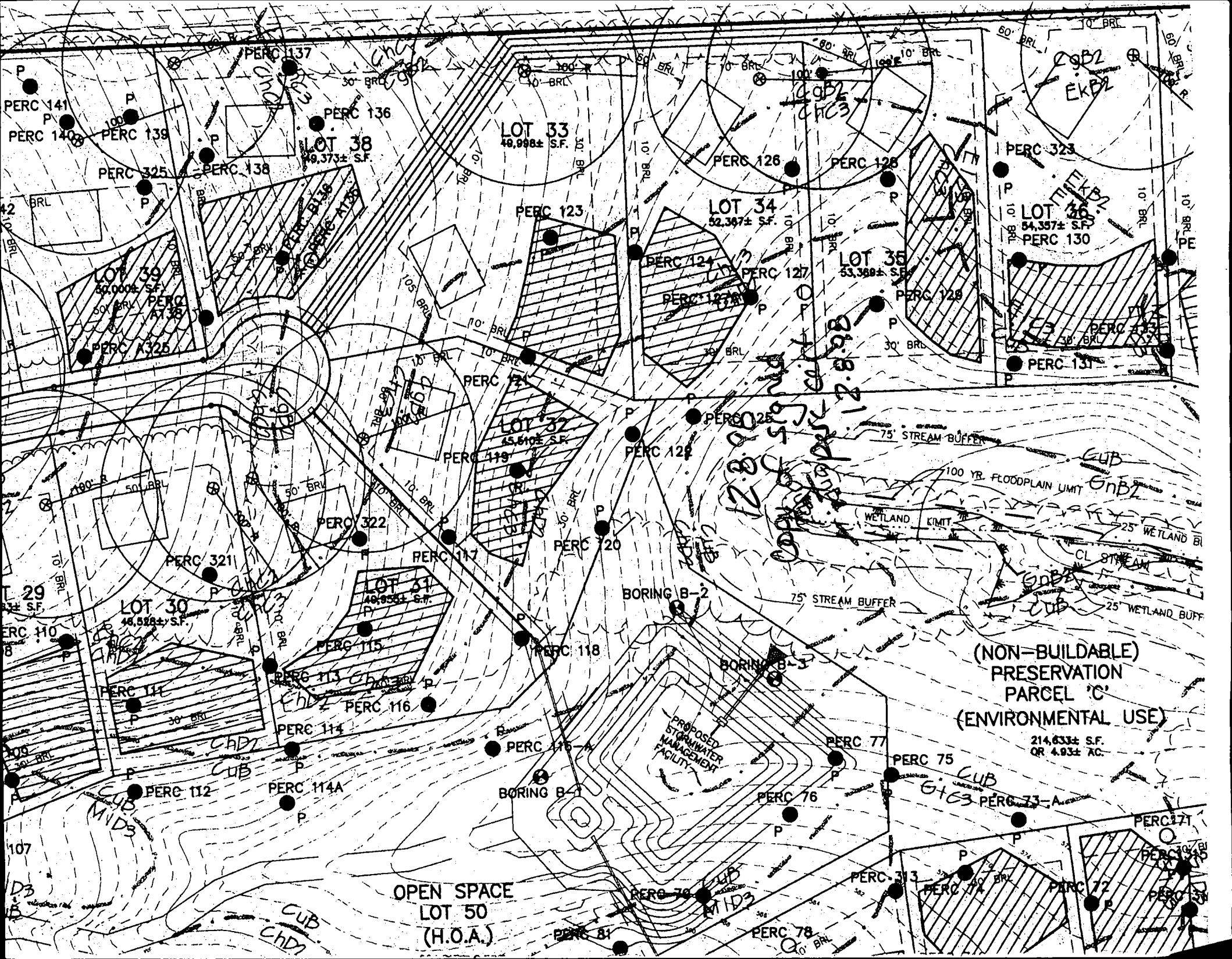
0' - THEIN 38  
 ABANDONED REPORTS SAND w H<sub>2</sub>O @ 10'  
 BACK FILL SHOWS EXTENSIVE MOTTLES

125  
 3 1/2' CLAY SAND SILT CLAY  
 UNCERTAIN DEPTH TO MOTTLES DUE TO SHADOWS  
 11' SANDY/WATER  
 11 1/2'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
4/22/98	121	4	4:21	4:22	4:22	4:24	4 MIN	
	123	6	4:24	4:25	4:25	4:26	1 MIN	
	124	5	4:29	4:31	4:31	4:35	4 MIN	
	125	4	4:34	4:37	4:37	4:41	4 MIN	
			QUESTIONABLE FOR WATER TABLE					

REMARKS \_\_\_\_\_  
 TYPE OF SOIL \_\_\_\_\_  
 TESTED BY C. Willie ALSO PRESENT SPERRY  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_



LOT 33  
40,998± S.F.

LOT 38  
49,373± S.F.

LOT 34  
52,307± S.F.

LOT 35  
53,369± S.F.

LOT 36  
54,357± S.F.

LOT 39  
50,000± S.F.

LOT 32  
45,610± S.F.

LOT 30  
46,528± S.F.

LOT 31  
49,954± S.F.

OPEN SPACE  
LOT 50  
(H.O.A.)

(NON-BUILDABLE)  
PRESERVATION  
PARCEL 'C'  
(ENVIRONMENTAL USE)

214,633± S.F.  
OR 4.93± AC.

PROPOSED  
STORMWATER  
MANAGEMENT  
FACILITY

BORING B-2

BORING B-3

BORING B-1

75' STREAM BUFFER

75' STREAM BUFFER

100 YR. FLOODPLAIN LIMIT

WETLAND LIMIT

CL. STREAM

25' WETLAND BUFF

25' WETLAND BUFF

75' STREAM BUFFER

PERC 75

PERC 76

PERC 76

PERC 171

PERC 172

PERC 173

PERC 77

PERC 78

PERC 79

PERC 81

PERC 81

PERC 141

PERC 140

PERC 139

PERC 138

PERC 137

PERC 136

PERC 325

PERC 138

PERC 123

PERC 126

PERC 125

PERC 323

PERC 124

PERC 127

PERC 128

PERC 130

PERC 131

PERC 121

PERC 119

PERC 122

PERC 125

PERC 120

PERC 321

PERC 322

PERC 117

PERC 118

PERC 115

PERC 116

PERC 114

PERC 114A

PERC 112

PERC 110

PERC 111

107

D3

*Handwritten:* 12.8.00 5.2.00 2.8.00

*Handwritten:* GUB, EKB, CHC3

*Handwritten:* GUB, EKB

*Handwritten:* GUB, EKB

*Handwritten:* GUB, EKB

*Handwritten:* GUB, EKB

*Handwritten:* GUB, EKB

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*Handwritten:* CHD7, CUB, MID3

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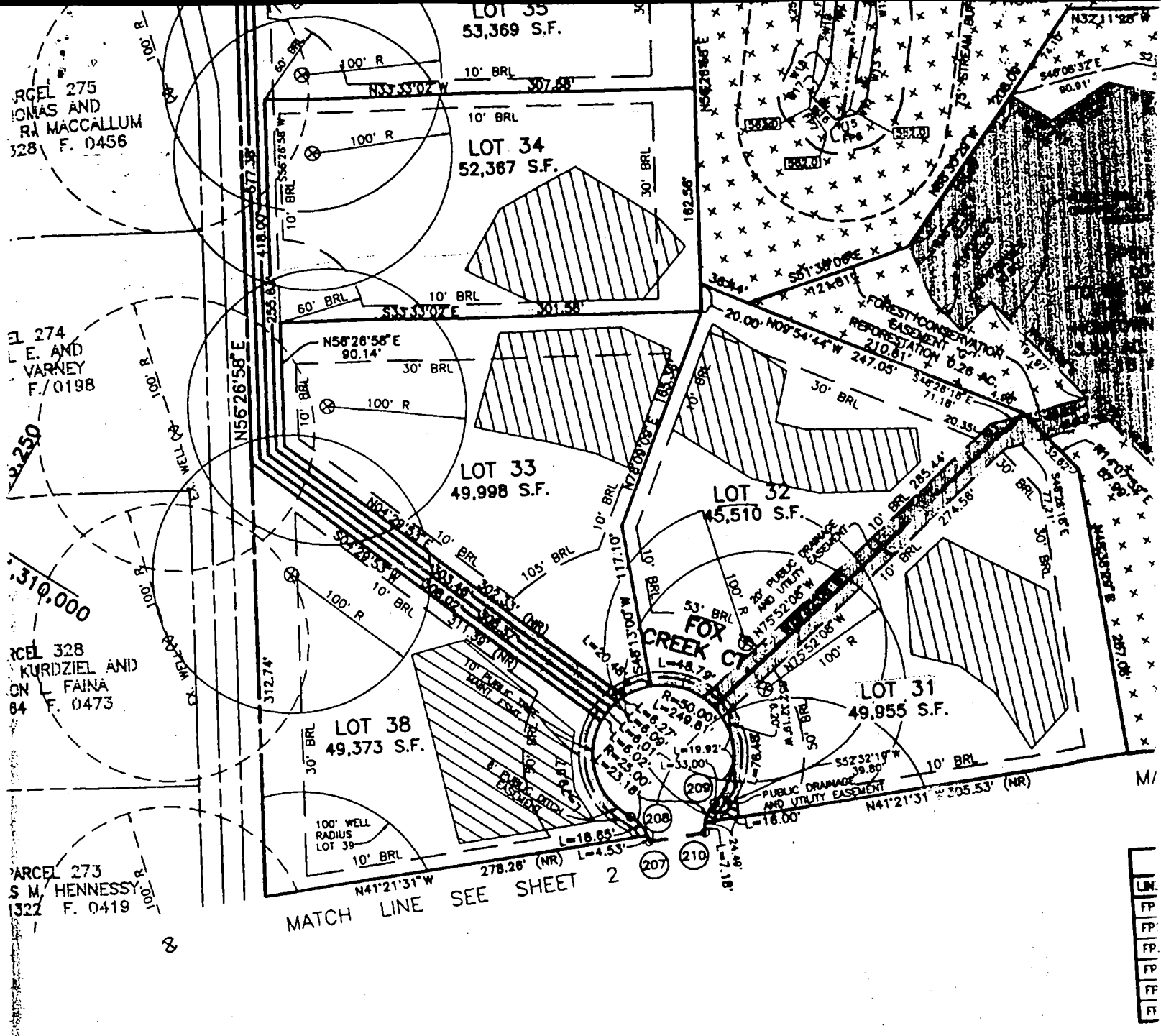
*Handwritten:* CHD7, CUB, MID3

*Handwritten:* CHD7, CUB, MID3

*Handwritten:* G163

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*Handwritten:* G163



RCEL 275  
IONAS AND  
RA MACCALLUM  
328 F. 0456

EL 274  
E. AND  
VARNEY  
F./0198

RCEL 328  
KURDZIEL AND  
ON FAJNA  
84 F. 0473

PARCEL 273  
S M. HENNESSY  
1322 F. 0419

MATCH LINE SEE SHEET 2

**SURVEYOR'S CERTIFICATE**

I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE FINAL PLAT IS CORRECT; THAT IT ALL OF THE LAND CONVEYED BY HOODS MILL CORPORATIC INC. BY DEED DATED OCTOBER, 18, 1999, AND RECORDED RECORDS OF HOWARD COUNTY, MARYLAND IN LIBER 4919 THAT ALL MONUMENTS ARE IN PLACE OR WILL BE IN PLACE ACCEPTANCE OF THE STREETS IN THE SUBDIVISION BY HC SHOWN IN ACCORDANCE WITH THE ANNOTATED CODE OF MARYLAND, TITLE 28, CHAPTER 10, SECTION 10-101, AS AMENDED.

PROVED: FOR PRIVATE WATER AND PRIVATE SEWER SYSTEMS, IN ACCORDANCE WITH THE MASTER PLAN OF WATER AND SEWERAGE FOR HOWARD COUNTY, FOR LOTS 1-49 AND PRESERVATION PARCELS 'A' AND 'D':

*One K. M. ...*  
COUNTY HEALTH OFFICER CW D. ...  
DATE 12/15/99

PROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*Mark ...*  
CHIEF, DEVELOPMENT ENGINEERING DIVISION MK  
DATE 12/21/99

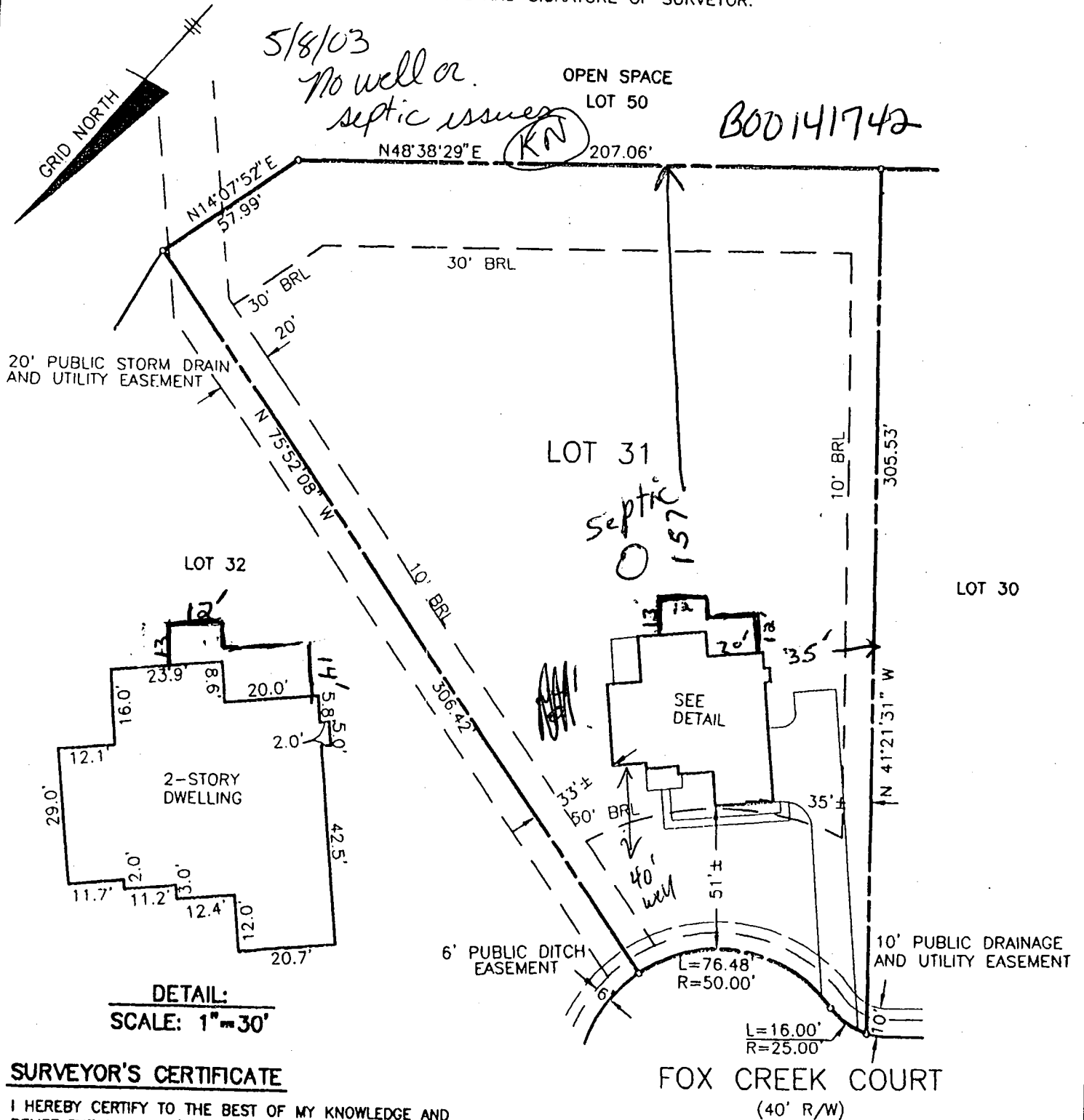
*Peter J. Dare*  
PETER J. DARE  
MARYLAND PROPERTY LINE SURVEYOR # 224  
DATE 11/4/99

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THIS PROPERTY IS SUBJECT TO THE HOODS MILL SUBDIVISION

**NOTE:**

1. THIS DRAWING IS OF BENEFIT TO A CONSUMER ONLY INsofar AS IT IS REQUIRED BY A LENDER OR A TITLE INSURANCE COMPANY OR ITS AGENT IN CONNECTION WITH CONTEMPLATED TRANSFER, FINANCING OR REFINANCING.
2. THE DRAWING IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATION OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS.
3. THE DRAWING DOES NOT PROVIDE FOR THE ACCURATE IDENTIFICATION OF PROPERTY BOUNDARY LINES. BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR REFINANCING.
4. ALL BUILDINGS, STRUCTURES AND OTHER IMPROVEMENTS SHOWN HEREON ARE IN APPROXIMATE RELATION TO THE APPARENT BOUNDARY LINES.
5. DECLARATION IS MADE TO ORIGINAL PURCHASER OF THE DRAWING. IT IS NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS.
6. DRAWING IS VALID ONLY WITH BLUE-INK SEAL AND SIGNATURE OF SURVEYOR.

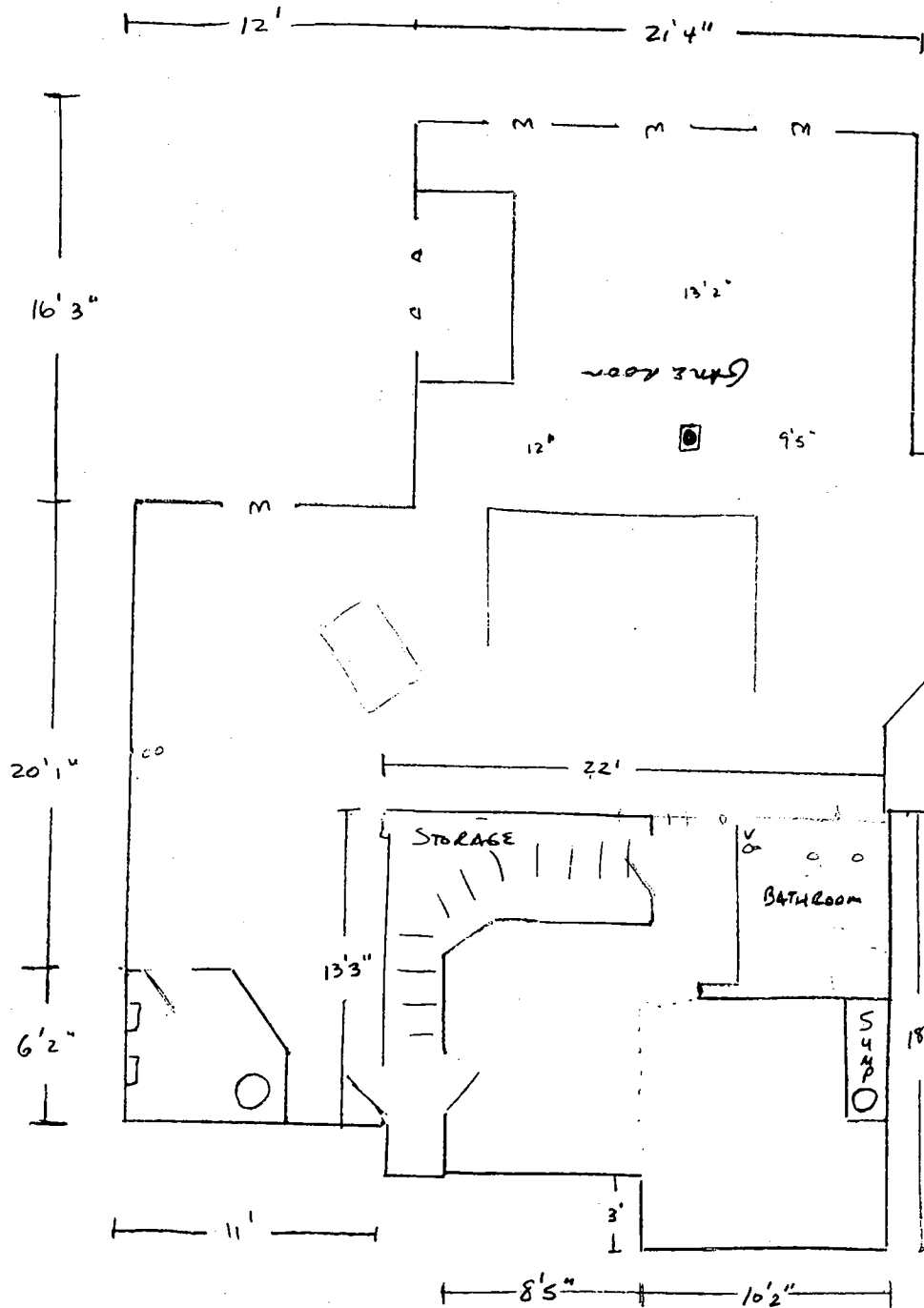


**DETAIL:**  
**SCALE: 1" = 30'**

**SURVEYOR'S CERTIFICATE**

I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THE DWELLING(S) SHOWN ON THIS DRAWING LIES WITHIN THE LOT LINES SHOWN AS COMPILED FROM TITLE OR OTHER SOURCES. OTHER IMPROVEMENTS ARE FOR PICTORIAL PURPOSES ONLY. THIS DRAWING IS NOT A BOUNDARY SURVEY AND HAS BEEN PREPARED EXCLUSIVELY FOR TITLE PURPOSES ONLY. PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT.





**APPROVED**

**WALK-THRU BUILDING PERMIT**

BP# 00147571 A# 59914H

APP. SAN KTL DATE: 9/21/04

DESC. OF WORK: 143/6 Fox

Creek Ct FINISH Basement