

LAYOUT 7/12/02 11:00 INSP 4 7/19/02 2-3
 INSP 2 7/16/02 PM INSP 5 _____
 INSP 3 7/17/02 AM INSP 6 _____

ISSUE DATE: 7/2/02
 APPROVAL DATE: 7/17/02

04363531

**PERMIT
INDEXED**

P 517344-A
 A 59915-M

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

Fogles Septic Clean, Inc IS PERMITTED TO INSTALL ALTER

ADDRESS: 580 Obrecht Road, Sykesville PHONE NUMBER: 410-795-5670

SUBDIVISION: Monticello LOT NUMBER: 11

ADDRESS: 1746 Oak Dale Drive PROPERTY OWNER: Lauris Finney
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 <u>3.0</u> feet wide. Inlet <u>3.0</u> feet below original grade. Bottom maximum depth <u>5.0</u> feet below original grade. Effective area begins at <u>3.0</u> feet below original grade. <u>20</u> feet of stone below distribution pipe.
LOCATION:	Place the distribution box 150 feet from the front lot line and 80 feet from the left side line as seen when facing the lot from Oak Dale Drive. Trenches should be placed on level ground starting 5 feet from distribution box and running towards each sideline.
NOTES:	<u>Basement Service by gravity is proposed</u>

PLANS APPROVED: Frank Skinner OK SO SRK 3/7/02 DATE: 2/27/2002

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

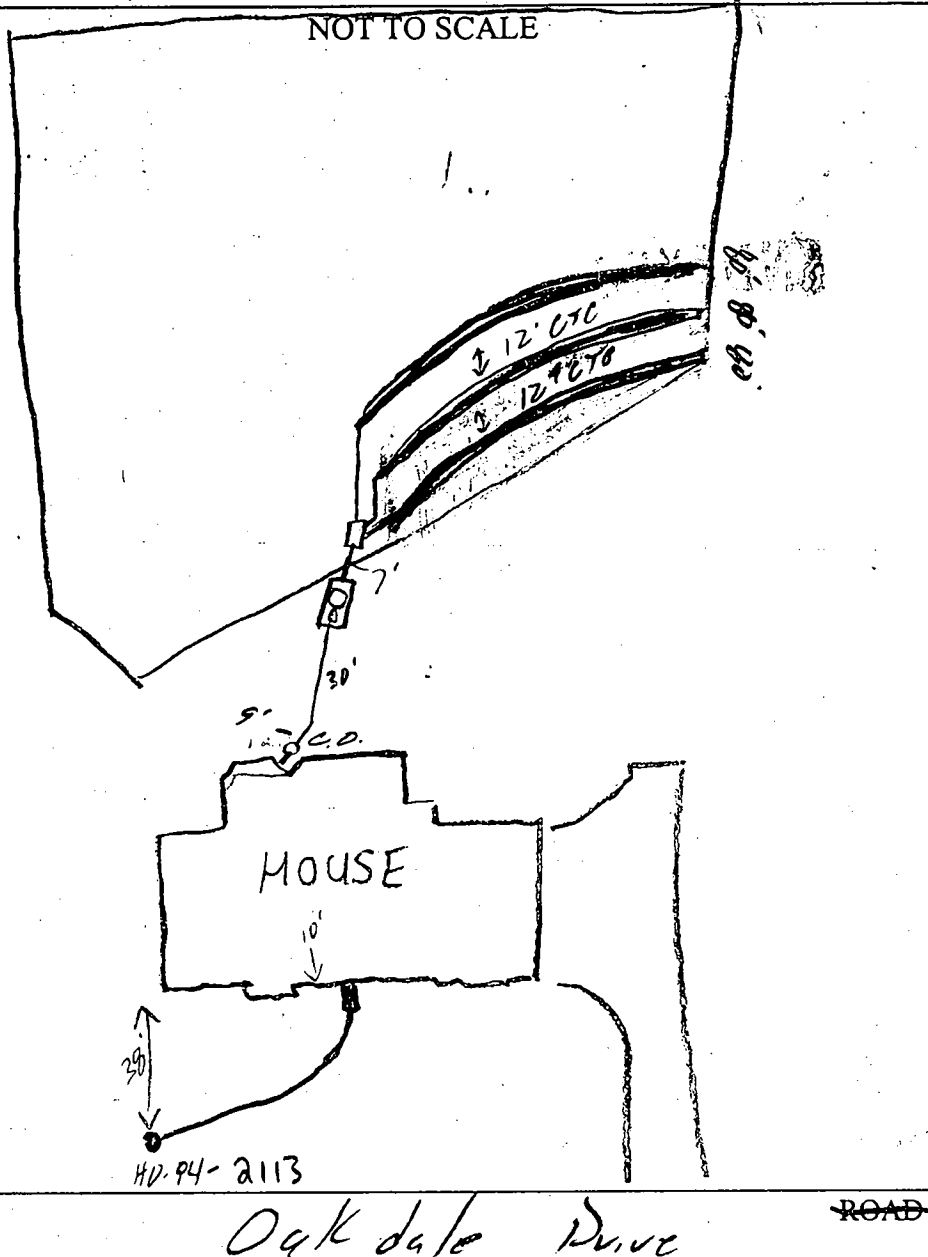
**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS
 RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM
 PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

BUILDING PERMIT SIGNED AND RETURNED
 10-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

5/15/03 1300141889- BFDW ADDITION

A59915-M

NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3	3'	5"
NUMBER OF TRENCHES		3
TOTAL LENGTH		240'
ABSORPTION AREA		720#
DISTRIBUTION BOX LEVEL		✓
DISTRIBUTION BOX BAFFLE		✓
DISTRIBUTION BOX PORT		✓

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	✓
CAPACITY	1250 GAL
SEAM LOC	Top
TANK LID DEPTH	1.5'
BAFFLES	✓
BAFFLE FILTER	—
MANHOLE LOC	Center
6" PORT LOC	Front
WATERTIGHT TEST	✓
SEPTIC TANK 2 LEVEL	—
CAPACITY	— GAL
SEAM LOC	—
TANK LID DEPTH	—
BAFFLES	NA
BAFFLE FILTER	—
MANHOLE LOC	—
6" PORT LOC	—
WATERTIGHT TEST	—

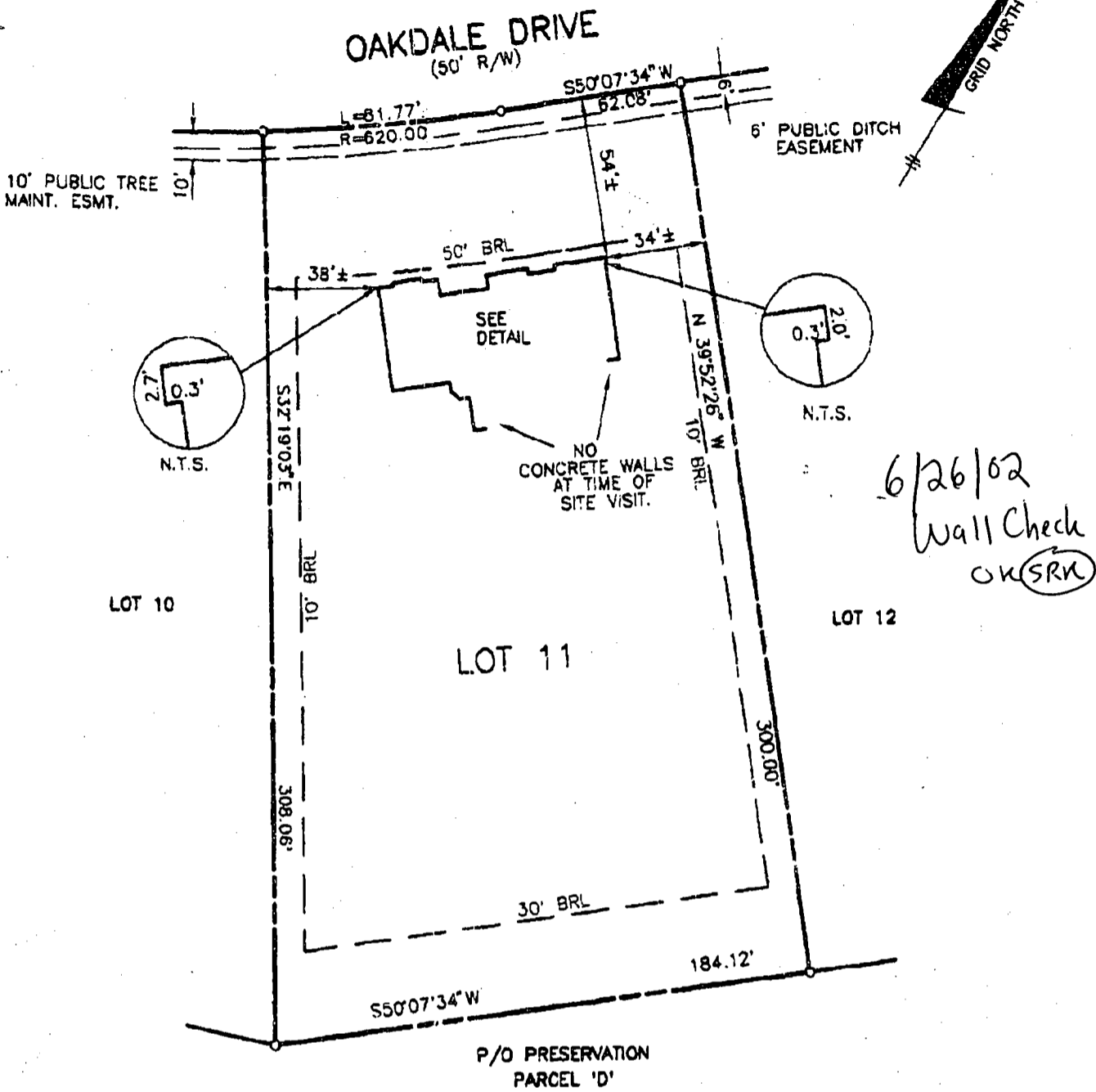
Oakdale Drive ROAD

PRE-CONSTRUCTION 7/12/02 lot staked, can't find house corner. Buy (3) 80's on contour (50)

INSTALLATION 7/16/02 Tank set, 2 trenches finished (50)
7/17/02 OK to cover all work (50)

FINAL INSPECTOR *[Signature]* DATE OF APPROVAL 7/17/02

BUILDING PERMIT SIGNED AND RETURNED



TOP OF FOUNDATION WALL ELEVATION = 613.0'
 OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 1'

SURVEYOR'S CERTIFICATE

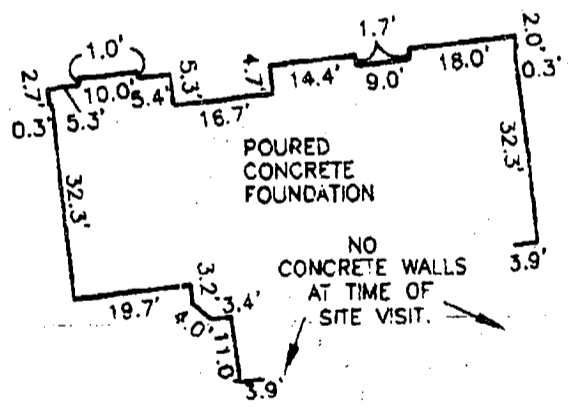
I HEREBY CERTIFY TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION AND BELIEF, THAT THE DIMENSIONS OF THE BUILDING WALLS SHOWN HEREON ARE CORRECT; THAT THEY ARE BASED ON A FIELD RUN SURVEY PERFORMED BY BENCHMARK ENGINEERING, INC. ON 05/15/02; AND THAT THE PROPERTY OUTLINE SHOWN HEREON IS BASED ON THE PLAT PREPARED BY BENCHMARK ENGINEERING, INC. ENTITLED "MONTICELLO LOTS 1 THRU 50", AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY AS PLAT No. 14087

David M. Harris

DAVID M. HARRIS
 REGISTERED PROFESSIONAL LAND SURVEYOR
 MD REG. No. 10978
 FOR BENCHMARK ENGINEERING, INC.
 MD REG. No. 351
 RECORD PLAT No. 14087
 FEMA FIRM No. 240044 0009 B
 ZONE: C
 DATED: 12/04/86

BENCHMARK
ENGINEERING, INC.

8100 BALTIMORE NATIONAL PIKE A SUITE 410
 GAITHERSBURG, MARYLAND 21043
 PHONE 410-480-8100 & FAX 410-480-8444
 WWW.BENCHMARKENGINEERING.COM



FOUNDATION DETAIL

SCALE: 1" = 30'

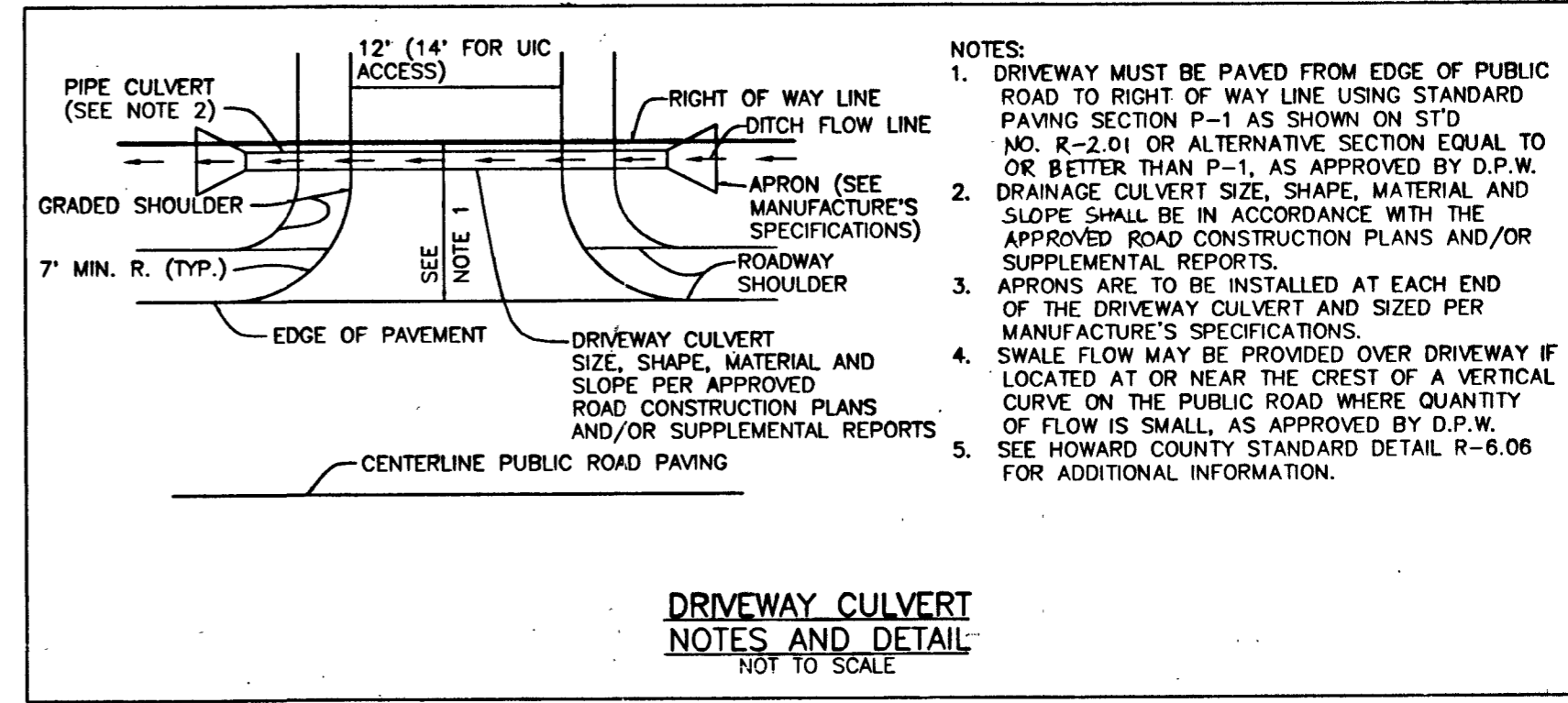
WALL CHECK
MONTICELLO
LOTS 1 THRU 50
LOT No. 11

1746 OAKDALE DRIVE
 4TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

SCALE: 1" = 50' DATE: 05/15/02



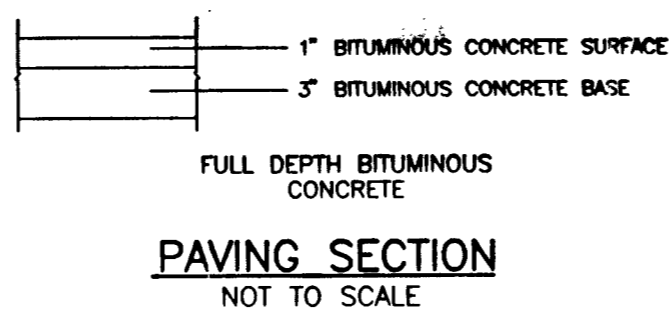
- NOTES:**
1. THE LOT SHOWN HEREON WAS RECORDED ON PLAT NUMBER 14087. REFER TO THE PLAT FOR LOT DIMENSIONS, LOT AREAS, ALL EASEMENTS AND BUILDING RESTRICTIONS.
 2. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL 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-CO-92 AND MODIFIED FOR THIS SPECIFIC HOUSE. TOPOGRAPHY SHOWN HEREON IS TAKEN FROM THE APPROVED ROAD CONSTRUCTION PLANS. EXACT LENGTH OF SEPTIC TRENCHES ARE BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF PERMIT ISSUANCE.
 4. SPOIL FROM THE TRENCHING OF THE SEPTIC AREA IS TO BE PLACED ON THE UPHILL SIDE OF THE EXCAVATION FOR EACH INDIVIDUAL LOT.
 5. ALL SEDIMENT AND EROSION CONTROL FEATURES USED ON THIS SITE SHALL COMPLY WITH 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
 6. ALL DRAINAGE AND STORMWATER MANAGEMENT FEATURES USED ON THIS SITE MUST COMPLY WITH THE APPROVED ROAD CONSTRUCTION PLANS (F-99-133).



Basement Service by
Gravity proposed

LOT 10
49,929 S.F.

Approved Septic System Plan
Howards County Health Dept. Permit
AK
Signature
Date



NO.	DATE	REVISION
BENCHMARK ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS ENGINEERING, INC. 8480 BALTIMORE NATIONAL PIKE ▲ SUITE 418 ELLICOTT CITY, MARYLAND 21043 PHONE: 410-465-6105 ▲ FAX: 410-465-6644 EMAIL: benchmark@cats.com		
OWNER/BUILDER:		PROJECT:
D.R. HORTON, INC. SUITE 230 1370 PICCARD DRIVE ROCKVILLE, MARYLAND 20850 1-301-670-6144		MONTICELLO LOT 11
LOCATION:		TITLE:
1746 OAKDALE DRIVE COOKSVILLE, MD 21723 TAX MAP 8 - BLOCK 18 - PARCEL 110 4th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND		PERMIT PLAN
HOUSE TYPE:		DATE:
SOMERSET		FEBRUARY, 2002
DESIGN:	DRAFT:	PROJECT NO.
JMC	JTC	1304
SCALE:		DRAWING
1" = 30'		1 OF 1

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 25.04.04 (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
Sykesville 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 #: 11 Well Tag #: HO 94-2113
Site Address: 1746 Oakdale Dr

Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit
Make: Goulds Make: Campbell Two piece watertight cap: Y
Model #: 85B05 Model#: Screened, vented well cap: Y
Pump Capacity 8 GPM Depth: 42" (36" min) Cap secured to casing: Y
Well Yield: 15 GPM NSF/WSC approved: Y Conduit min 18" B.G.: Y
Depth of well encountered at time of pump installation: 45 (feet) Conduit secured to well cap: Y
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4
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 House Connection
Type: 1" Black Plastic PVC sleeve to undisturbed soil at wall penetration: Y
PSI: 160 (160 psi min) Approximate length of sleeve: Y
Depth of supply line: 42 (36" min) Sleeve caulked and sealed properly: Y

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.

Signature of company representative responsible for installation: Allen Compton Date: 9-20-02

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

Date Insp. Requested: 7/16/02 Date Insp. Approved: 7/16/02 Inspector: (50) SRK
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 3" above finished grade
Water supply line sleeved adequately at house connection
Adequate grout observed below pitless adapter

SEQUENCE NO. (MDE USE ONLY) **9608**

DATE RECEIVED
MM 2 DD 23 YY 99

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

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED.

COUNTY NUMBER A59915

DATE WELL COMPLETED: MM 2 DD 23 YY 99

Depth of Well: 165 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL": HO-94-2113

OWNER: Highland Development

STREET OR RFD: Street A TOWN: Stenwood

SUBDIVISION: Krupp Property SECTION: _____ LOT: 11

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	
<u>Sand</u>	<u>0</u>	<u>63</u>	<u>✓</u>
<u>gray granite</u>	<u>63</u>	<u>165</u>	<u>✓</u>

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 40 NO. OF POUNDS 360

GALLONS OF WATER 240

DEPTH OF GROUT SEAL (to nearest foot)
from 0 ft. to 60 ft.

CASING RECORD

main casing TYPE: ST (STEEL) CO (CONCRETE)
PL (PLASTIC) OT (OTHER)

Nominal diameter top (main) casing (nearest inch): 6
Total depth of main casing (nearest foot): 68

OTHER CASING (if used)

EACH CASING	diameter inch	depth (feet) from	to

SCREEN RECORD

screen type or open hole: ST (STEEL) BR (BRASS) HO (OPEN HOLE)
 PL (PLASTIC) OT (OTHER)

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

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. M S D O 24

DRILLERS SIGNATURE: Robert Mayne

LIC. NO. D

C 2 DEPTH (nearest ft.)

DEPTH (nearest ft.)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
<u>HO</u>																					
<u>66</u>																					
<u>165</u>																					

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 Q _____

70 _____ 72 _____ 74 75 76 _____

TELESCOPE CASING _____ LOG INDICATOR _____ OTHER DATA _____

C 3 PUMPING TEST

HOURS PUMPED (nearest hour): 3

PUMPING RATE (gal. per min.): 15

METHOD USED TO MEASURE PUMPING RATE: Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING: 51 ft.

WHEN PUMPING: 53 ft.

TYPE OF PUMP USED (for test): 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: _____

CAPACITY: GALLONS PER MINUTE (to nearest gallon): _____

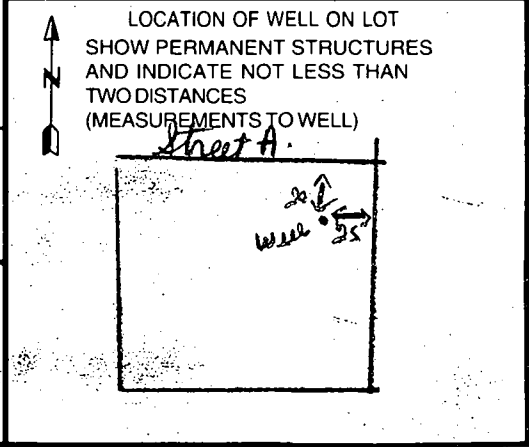
PUMP HORSE POWER: _____

PUMP COLUMN LENGTH (nearest ft.): _____

CASING HEIGHT (circle appropriate box and enter casing height)

above } LAND SURFACE

below } 2 (nearest foot)



B 1 0351 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND
PERMIT TO DRILL WELL
please print or type

STATE PERMIT NUMBER
HO-94-2113
fill in this form completely

Date Received (APA) 12/29/98

OWNER INFORMATION

8 MM DD YY 13
Highland Development
15 Last Name Owner First Name 34
P.O. Box 228
36 Street or RFD 55
Clarksville Md. 21029
57 Town 70 State 72 Zip 76

B 3 Howard LOCATION OF WELL

8 COUNTY Howard 21
Knazy Property
23 SUBDIVISION 42
SECTION 44 LOT 11
44 46 48 50
Clenwood
52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) 3 M I
73 76 77 78

DRILLER INFORMATION

Joseph L. Maize M S D O 24
Driller's Name 76 License No. 81
Joseph L. Maize Well Drilling
Firm Name
5512 Ridge Rd. Mt. Airy 21771
Address
Joseph L. Maize 2/29/98
Signature Date

B 4

1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

Street A
11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 20 37 DISTANCE FROM ROAD
ENTER FT OR MI 38 39 FT

TAX MAP: 8 BLK: 18 PARCEL 110

B 2 **WELL INFORMATION**

APPROX. PUMPING RATE (GAL. PER MIN.) 5
8 12

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500
14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)

I INDUSTRIAL, COMMERCIAL, DEWATERING

P PUBLIC WATER SUPPLY WELL

T TEST, OBSERVATION, MONITORING

G GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard A59915
COUNTY NAME COUNTY NO.

STATE SIGNATURE _____ INSERT S _____

DATE ISSUED 2/16/99 Kim Maize 2/16/00
43 MM DD YY 48 CO SIGNATURE EXP DATE

NORTH GRID 544 000 EAST GRID 799 000
50 55 57 63

APPROXIMATE DEPTH OF WELL 300 FEET
24 28

APPROXIMATE DIAMETER OF WELL 6 INCH
NEAREST

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

2/23/99
9:30 Gout
no insp. cu

SOURCES OF DRILLING WATER

- Well
-
-

WRITE THE BOX NUMBER FROM THE MAP HERE

E 7997
N 5404

000
000

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN

30 AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary)

37 CABLE REVerse-ROTary Drive-POINT

other _____

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

39 S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS

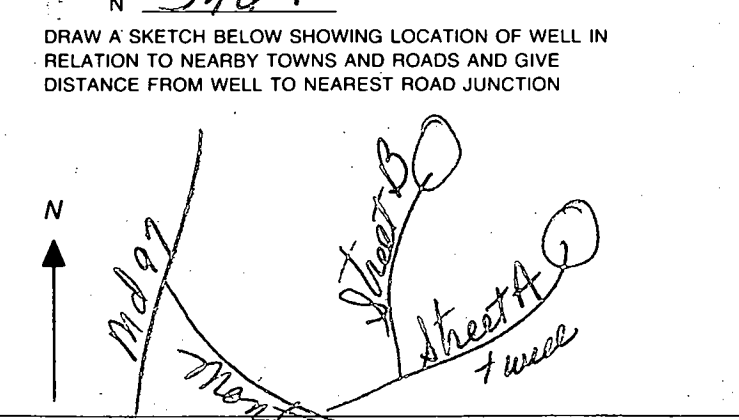
D THIS WELL WILL DEEPEM AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52

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

APPROP. PERMIT NUMBER 54 G A P 63

PERMIT No. HO-94-2113
70 71 72 73 74 75 76 77 78 79



APPLICATION

PERCOLATION TESTING

A 59915

P _____

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

56 LOTS EXISTING HOUSES - WELLS - 5607163
TO BE RECONSTRUCTED
4 DAYS FOR PERCOLATION
WET SEASON TESTING
4 DAY FOR FOLLOW-UP TESTING
WILL PROMPTLY SUBMIT FEES & IMPROVED PLAN/ APPLICATION (CW)
DATE 4/3/98

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 ALFRED KNAPP

ADDRESS MONTICELLO AVE. / SYKESVILLE PHONE 410-465-4242

AGENT OR PROSPECTIVE BUYER CLARK SPERRY / SDC GROUP

ADDRESS 8480 Ballenger Not. PIKE PHONE 410-465-4244

PROPERTY LOCATION:
SUBDIVISION Knapp Prop. LOT NO. _____
ROAD AND DESCRIPTION M

TAX MAP _____ PARCEL # _____
SIZE OF LOT _____ TYPE BLDG. _____ (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.

[Signature] SECURITY DIV.
(SIGNATURE OF APPLICANT)
STEVE SHIPLE - TSA

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

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

A59914/5

KNAPP SUBD.

COUNTY #

SOIL PROFILE

0' 41

CLAY
 3 1/2
 MICA
 SILT
 LOAM
 FEW
 POCKETS
 20%
 ROCK

42-44

CLAY
 3
 SANDY
 SILT
 LOAM
 10%
 SAND

102

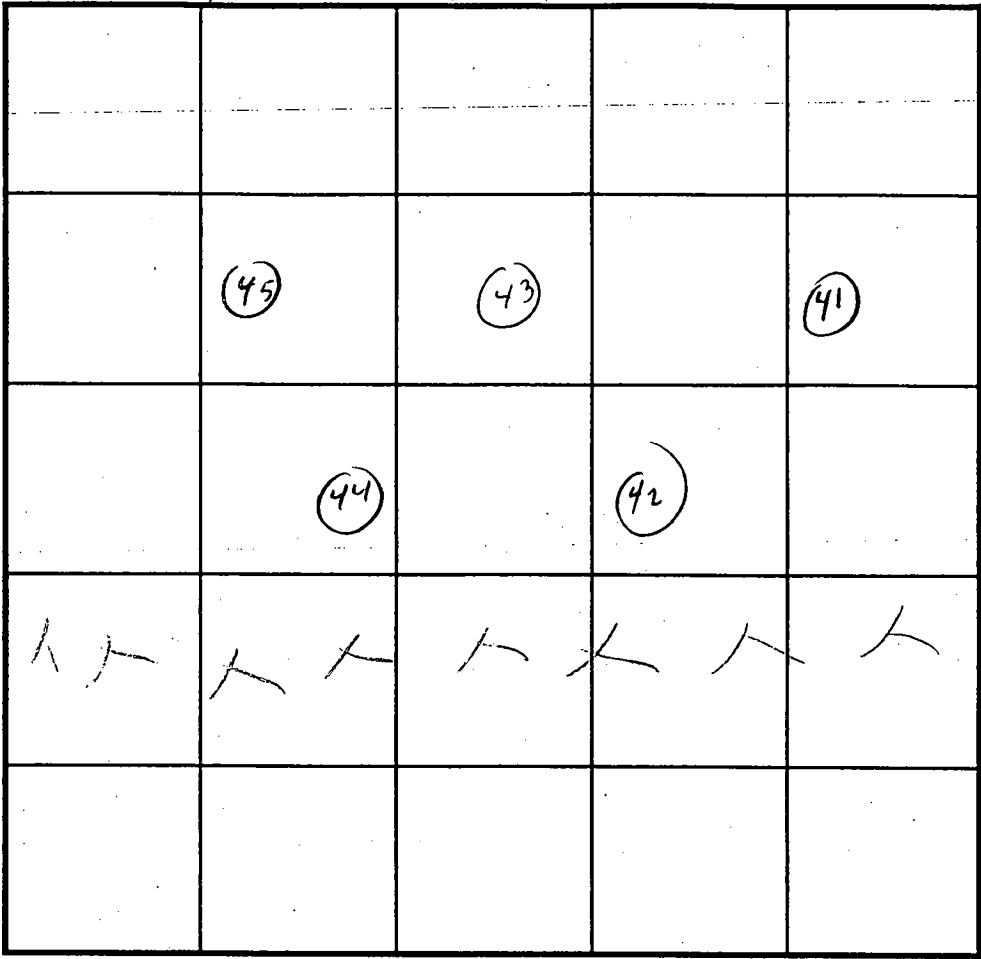
43-45

CLAY
 4 1/2
 (OCCASIONAL
 BOLD)
 SILT
 LOAM
 60%
 SAND

SOIL PROFILE

0'

Empty soil profile box.



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7/24/98	41	4	1:56	1:59	1:59	2:03	4 MIN
	42	4	1:56	1:58	1:58	2:00	2 MIN
	43	4 1/2	1:57	2:01	2:01	2:06	5 MIN
	44	4 1/2	2:00	2:02	2:02	2:05	3 MIN
	45		2:01	2:04	2:04	2:09	5 MIN

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

4/21/98
5/19/98
4/28
5/22

APPLICATION

PERCOLATION TESTING

A 59915
P _____

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

56 LOTS
EXISTING HOUSE(S) - W6623-5207163
TO BE RECONSTRUCTED
4 DAYS FOR PERMITS
W/ 225000 TESTING
4 DAY FOR
FOLLOW-UP TESTING
WILL PROBABLY SUBMIT
FEES &
IMPROVED PLAN/
APPLICATION (CW)

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

DATE 4/3/98

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PROPERTY OWNER ALFRED KNAPP

ADDRESS MONTICELLO AVE / SYKESVILLE PHONE 410-465-4242

AGENT OR PROSPECTIVE BUYER CLARK SPERRY / SDC GROUP

ADDRESS 8480 Ballenger Not. PIKE PHONE 410-465-4244

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ROAD AND DESCRIPTION M

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[Signature] SECURITY DIV.
(SIGNATURE OF APPLICANT)
STEVE SHIPPE - TSD

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

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

A59914/5
COUNTY #

KNAPP SUBD.

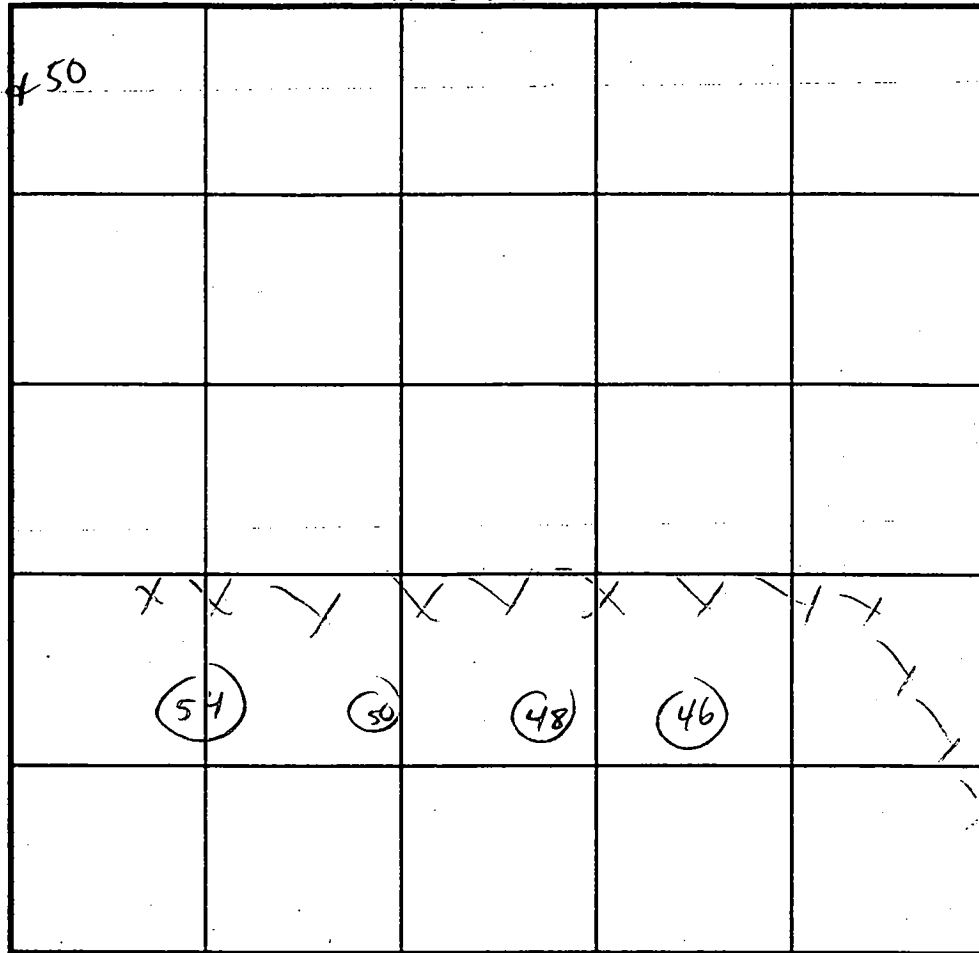
SOIL PROFILE

SOIL PROFILE

0'
3 1/2'
10 1/2'

CLAY
MICA
SILT
LOAM
9%
SAPPROLITE

0'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

54
4'

CLAY
MICA
SILT
LOAM
TO 20%
SAPPROLITE

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/24/98	46	4	2:27	2:30	2:30	2:34	4MIN
	48	4	2:28	2:30	2:30	2:32	2MIN
	50	4	2:31	2:34	2:34	2:37	3MIN
	54	4 1/2	2:32	2:35	2:35	2:42	7MIN

REMARKS _____

TYPE OF SOIL _____

TESTED BY Cwellman ALSO PRESENT SPERRY

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

APPLICATION

PERCOLATION TESTING

A 59915

P _____

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

56 LOTS
EXISTING HOUSE(S) - 26003-5607165
TO BE PERMITTED
4 DAYS FOR PERMITS
WET SEASON TESTING
4 DAY FOR
FOLLOW-UP TESTING
DATE 4/3/98
will provide SUBMIT
FEE'S &
IMPROVED PLAN/
APPLICATION (CW)

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

4/21 - 4/24
&
5/19 - 5/22

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER ALFRED KNAPP

ADDRESS MONTICELLO AVE. SYKESVILLE PHONE 410-465-4242

AGENT OR PROSPECTIVE BUYER CLARK SPERRY / SOC GROUP

ADDRESS 8480 Ballenger Not. PIKE PHONE 410-465-4244

PROPERTY LOCATION:

SUBDIVISION Knapp Prop. LOT NO. _____

ROAD AND DESCRIPTION M

TAX MAP _____ PARCEL # _____

SIZE OF LOT _____ TYPE BLDG. _____
(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.

[Signature] SECURITY DIV.
(SIGNATURE OF APPLICANT)
STEVE SHIPLE - TSA

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

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

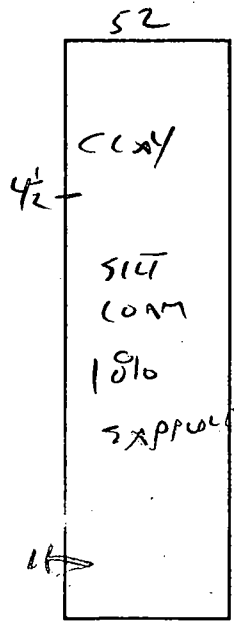
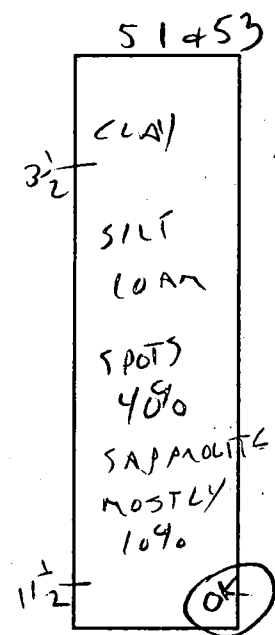
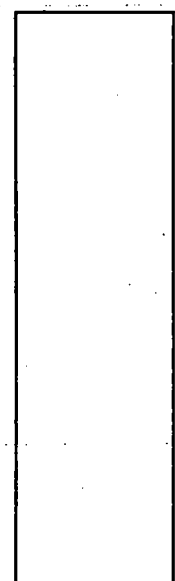
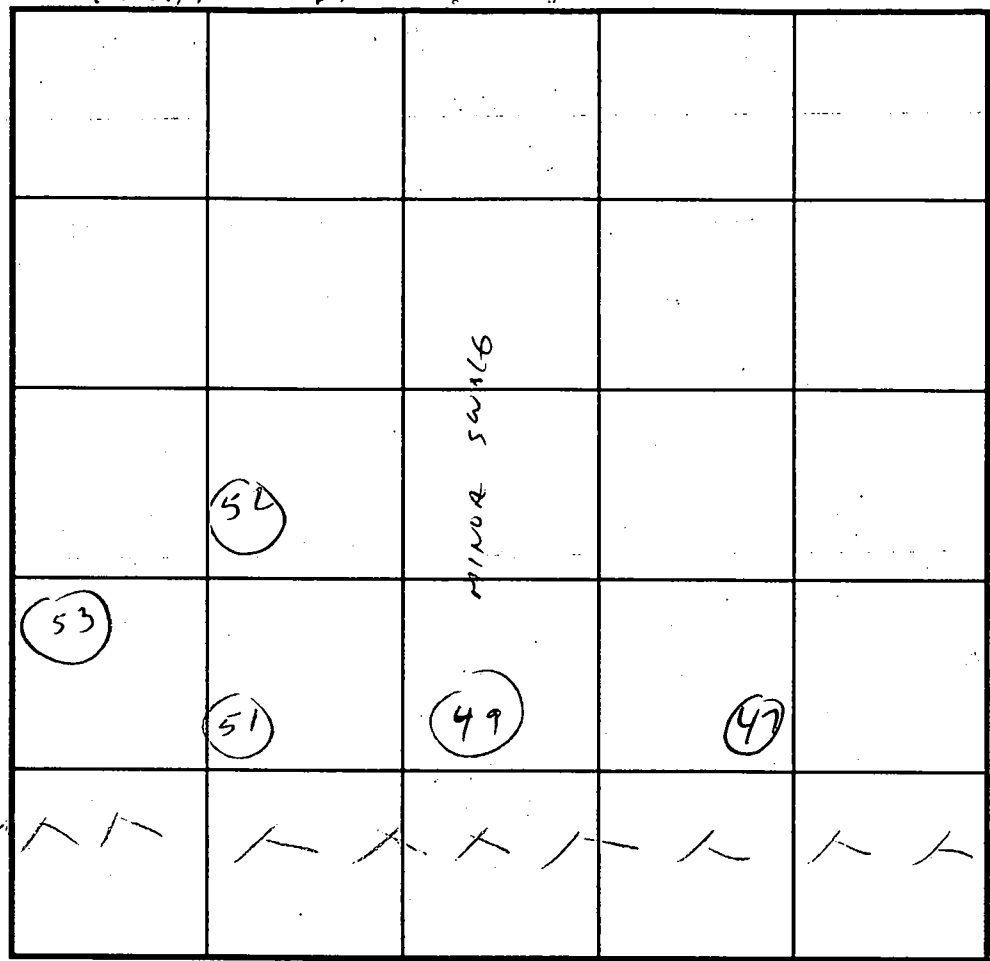
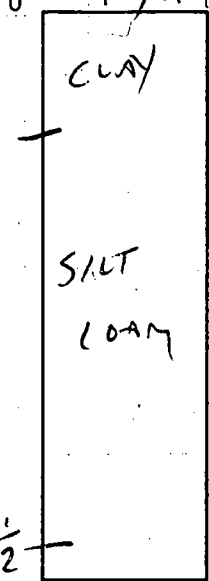
A59914/5

KNAPP SUBD.

COUNTY #

SOIL PROFILE 47 of 49

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7/24/98	47	4 1/2	2:04	2:06	2:06	2:08	2 MIN
	49	4 1/2	2:05	2:07	2:07	2:10	3 MIN
		(AT HEAD OF MINOR SWALE)					
	51	4 1/2	2:07	2:11	2:11	2:15	4 MIN
	52	4 1/2	2:08	2:12	2:12	2:17	5 MIN
	53	4 1/2	2:13	2:15	2:15	2:19	4 MIN

REMARKS _____

TYPE OF SOIL _____

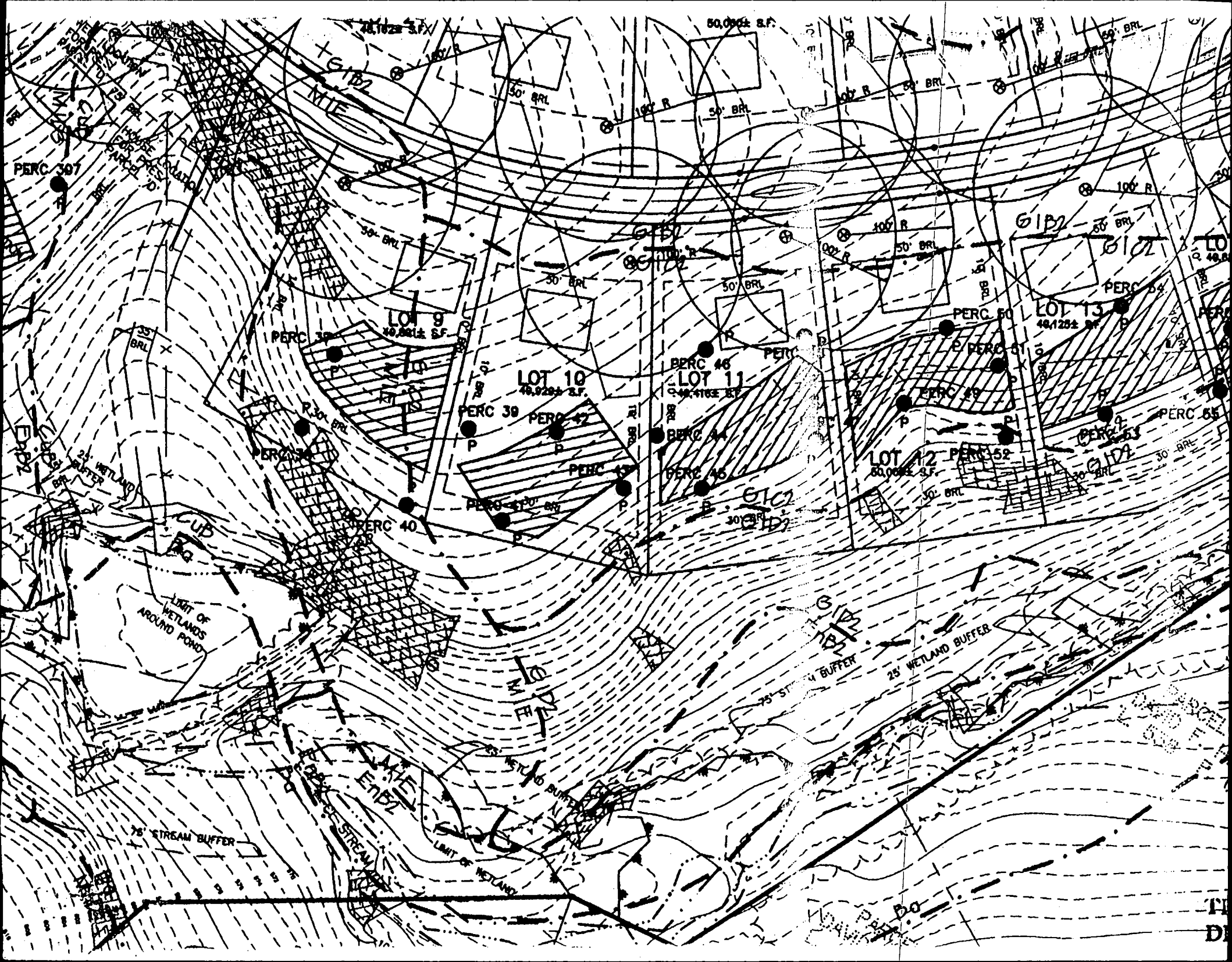
TESTED BY C. Williams ALSO PRESENT SPERRY

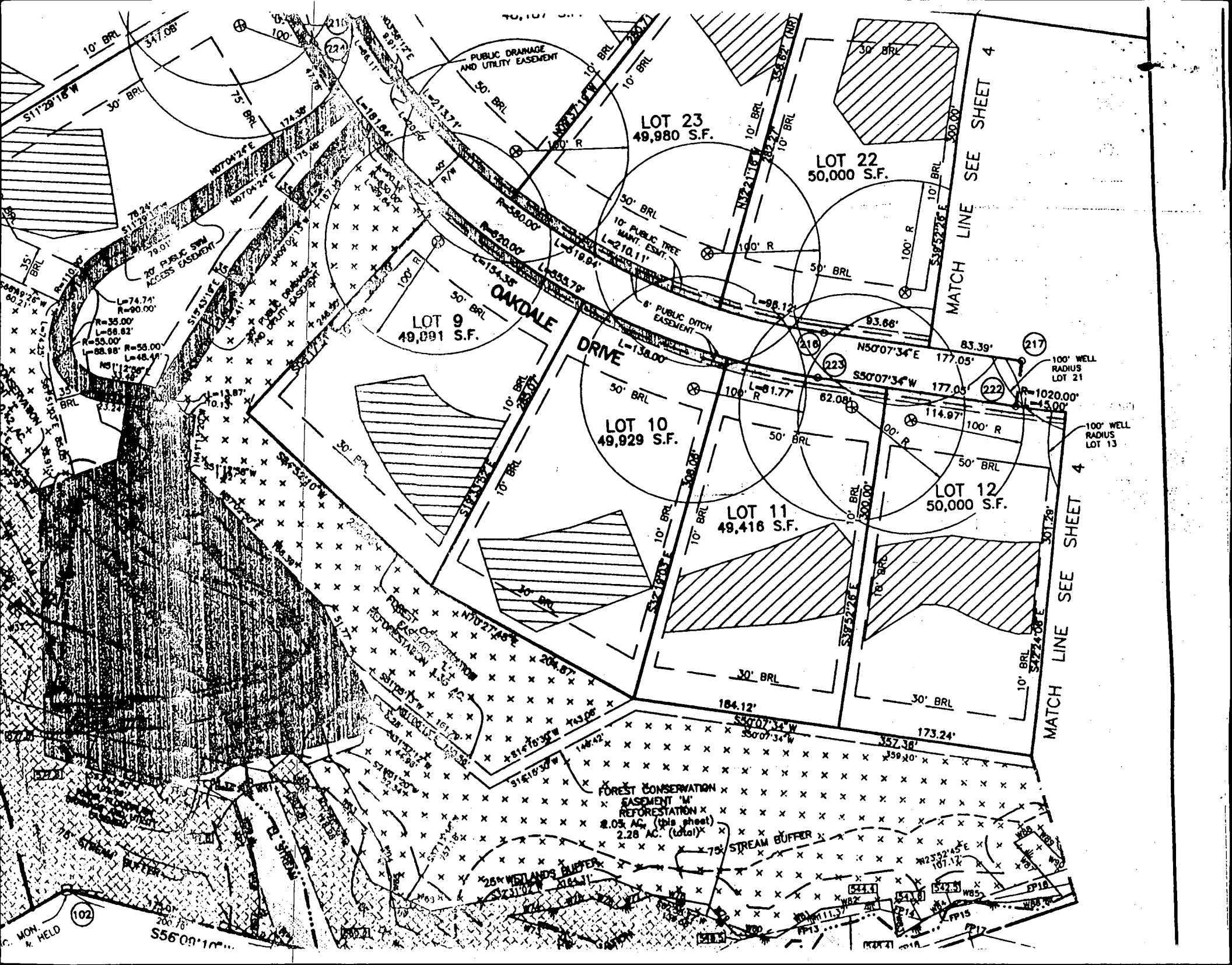
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

Perc Holes That Correspond To Different
Lots For Knapp Property - (Lots 1-28)

<u>Lot # -</u>	<u>Perc Hole Numbers for Lot -</u>
1	1, 2, 2A, 3, 4, 5, 7C, 302
2	6, 7B, 7C, 8, 303
3	6, 8, 9, 10, 304
4	10, 11, 12, 13, 14, 305
5	13, 14, 15, 16, 17
6	15, 16, 18, 19, 306
7	18, 19, 20, 21, 22, 23
8	23, 24, 25, 26, 27
9	37, 38, 39, 40
10	39, 40, 41, 42, 43, 44
11	43, 44, 45, 46, 47, 48
12	47, 48, 49, 50, 51, 52
13	51, 52, 53, 54, 55, 56
14	55, 56, 57, 58
15	59, 60, 61, 62
16	62, 63, 64, 65, 317
17	69, 70, 71, 72, 314, 315, 315A, 316
18	72, 73A, 74, 312, 313, 314
19	78, 78A, 80, 311, 311A, 312, 313
20	80, 81, 82, 83, 84, 310
21	83, 84, 85, 86, 87, 309, 310
22	85, 86, 87, 87A, 88, 89, 90, 91A, 309
23	90, 91, 91A, 92, 93
24	91, 92, 94, 95, 96, 308
25	95, 96, 97, 101, 103, 308
26	100, 101, 102, 103, 105, 320
27	102, 318, 320
28	103, 104, 105, 106, 107, 108, 109





LOT 23
49,980 S.F.

LOT 22
50,000 S.F.

LOT 9
49,091 S.F.

OAKDALE
DRIVE

LOT 10
49,929 S.F.

LOT 11
49,416 S.F.

LOT 12
50,000 S.F.

MATCH LINE SEE SHEET 4

MATCH LINE SEE SHEET 4

PUBLIC DRAINAGE
AND UTILITY EASEMENT

FOREST CONSERVATION
EASEMENT "M"
REFORESTATION
2.05 AC. (this sheet)
2.28 AC. (total)

75' STREAM BUFFER

25' WETLANDS BUFFER

100' WELL
RADIUS
LOT 21

100' WELL
RADIUS
LOT 13

102

MON. & HELD

S56°00'10"...

524.4

527.3

521.0

525.0

528.0

531.0

534.0

537.0

511°28'18" W

30' BRL

347.08'

10' BRL

174.35'

75' BRL

100' R

174.35'

10' BRL

100' R

174.35'

10' BRL

100' R

174.35'

10' BRL

100' R

174.35'

10' BRL

100' R

174.35'

10' BRL

100' R

174.35'

10' BRL

100' R

35' BRL

80.21'

10' BRL

100' R

80.21'

35' BRL

100' R

80.21'

35' BRL

100' R

80.21'

35' BRL

100' R

80.21'

35' BRL

100' R

80.21'

35' BRL

100' R

80.21'

35' BRL

100' R

80.21'

35' BRL

100' R

35' BRL

80.21'

10' BRL

100' R

80.21'

35' BRL

100' R

80.21'

35' BRL

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35' BRL

100' R

80.21'

35' BRL

100' R

35' BRL

80.21'

10' BRL

100' R

80.21'

35' BRL

100' R

80.21'

35' BRL

100' R

80.21'

35' BRL

100' R

80.21'

35' BRL

100' R

80.21'

35' BRL

100' R

80.21'

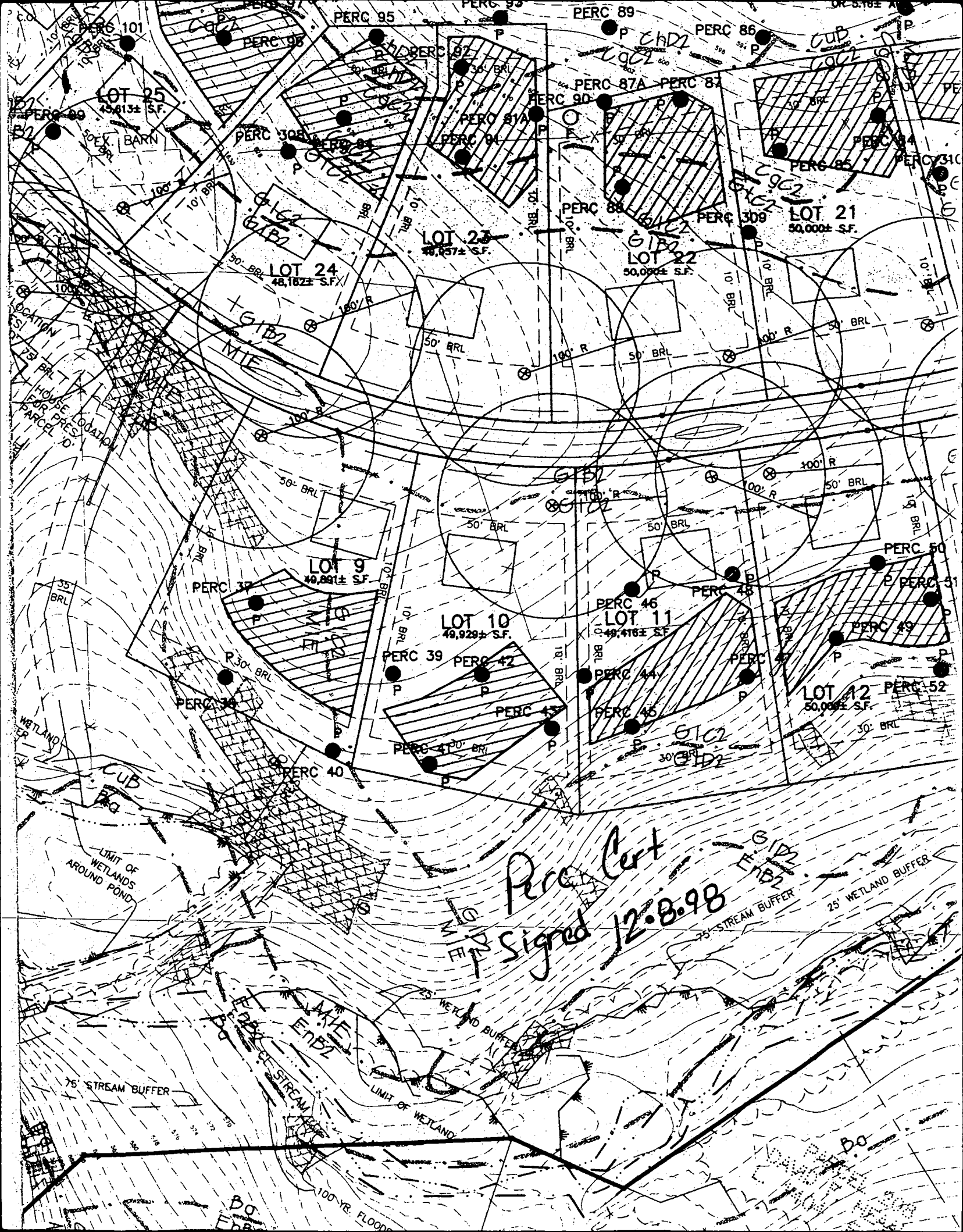
35' BRL

100' R

80.21'

35' BRL

100' R



PERC 101

PERC 98

PERC 95

PERC 93

PERC 89

PERC 86

CUB

LOT 25
43,813± S.F.

PERC 308

PERC 84

PERC 81A

PERC 87A

PERC 87

PERC 85

PERC 310

LOT 21
50,000± S.F.

LOT 23
48,757± S.F.

LOT 22
50,000± S.F.

LOT 24
48,182± S.F.

LOT 9
49,881± S.F.

LOT 10
49,928± S.F.

LOT 11
49,416± S.F.

LOT 12
50,000± S.F.

PERC 37

PERC 39

PERC 42

PERC 46

PERC 48

PERC 50

PERC 51

PERC 49

PERC 52

PERC 38

PERC 40

PERC 41

PERC 44

PERC 45

WETLAND
LIMIT OF WETLANDS AROUND POND

Perc Cert
Signed 12.8.98

GIB2

25' WETLAND BUFFER

75' STREAM BUFFER

WETLAND BUFFER

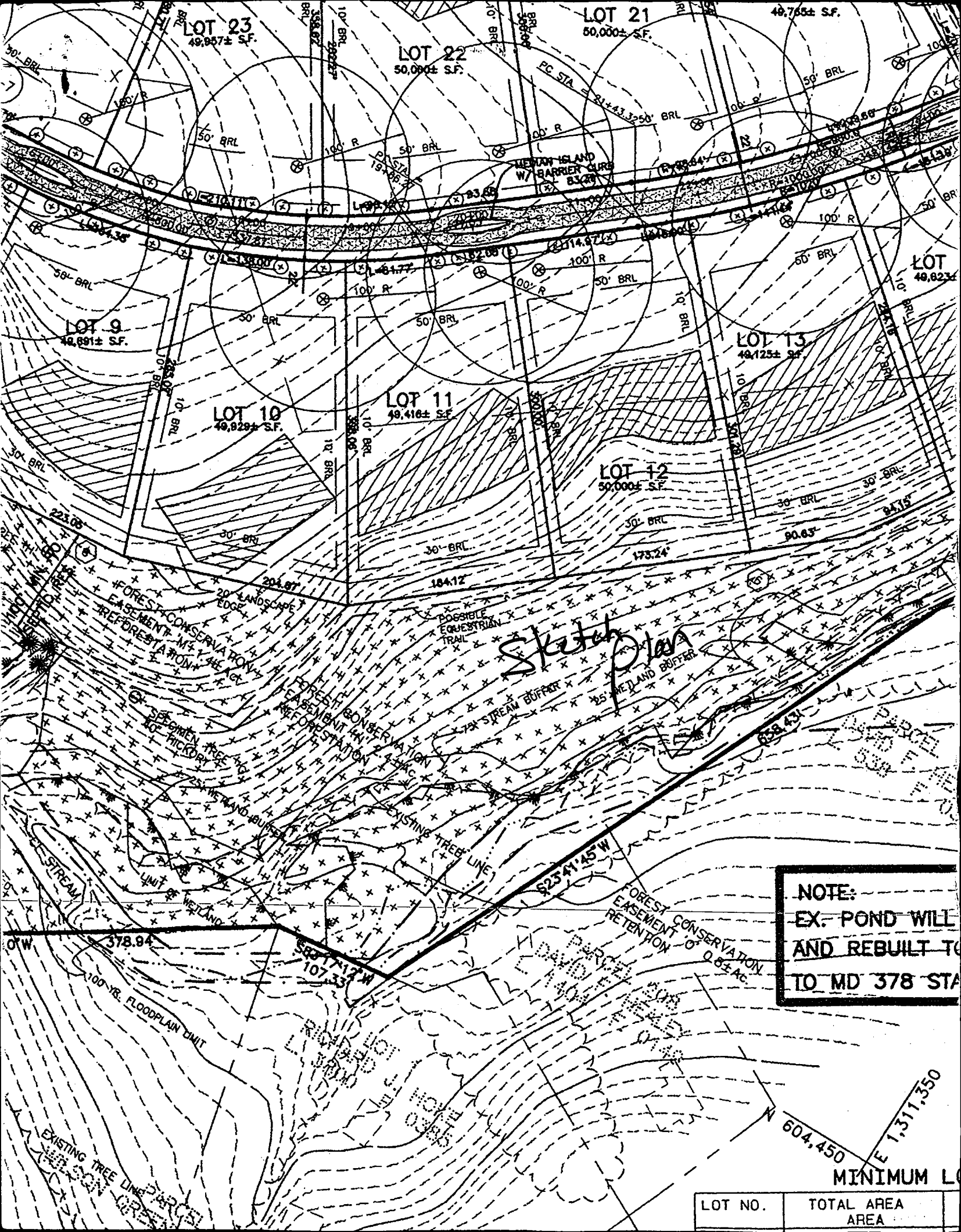
25' WETLAND BUFFER

75' STREAM BUFFER

25' WETLAND BUFFER

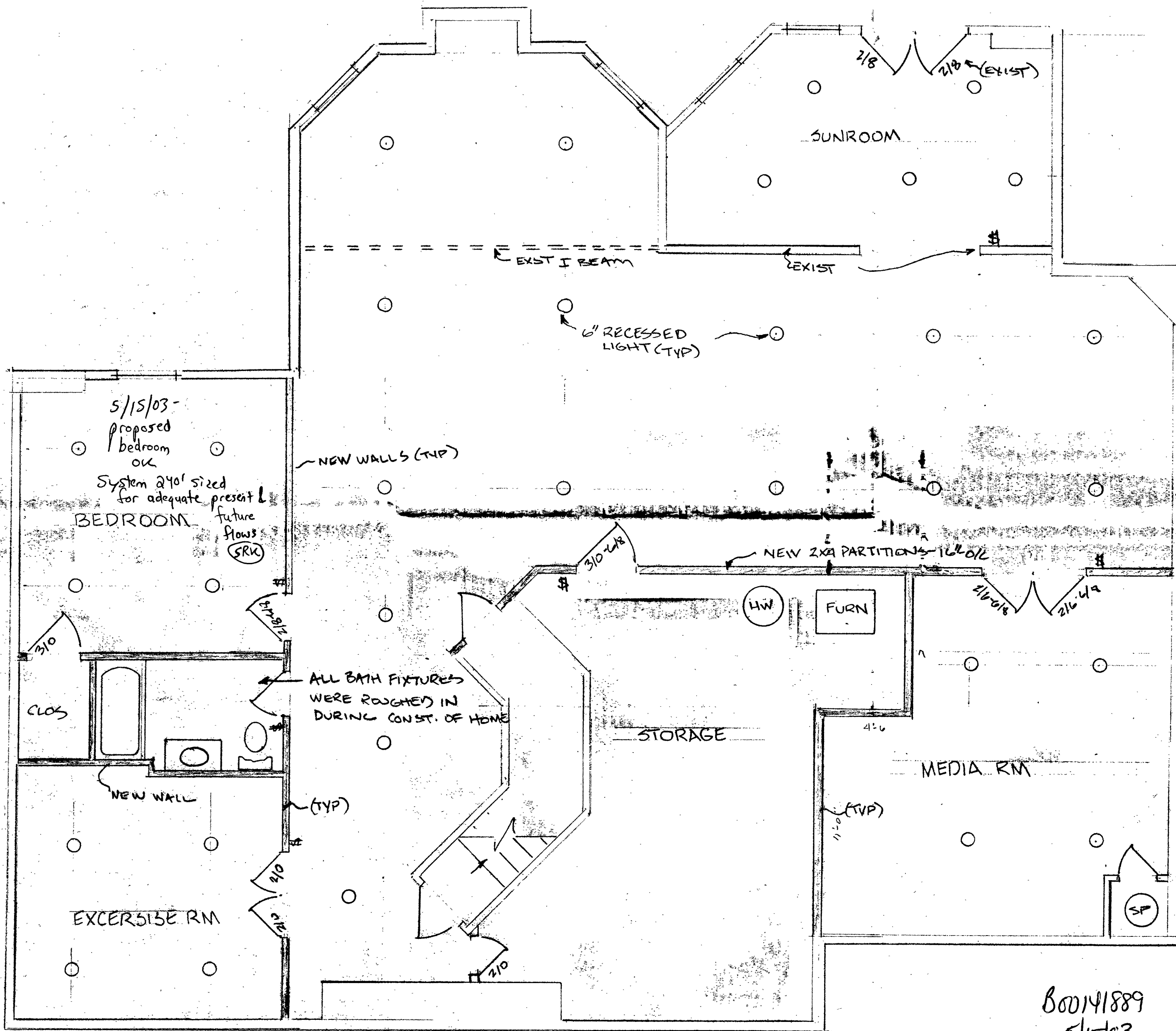
100-YR. FLOOD

DO



LOT NO.	TOTAL AREA	AREA

MINIMUM L



NEW 2x4-16" OIL PARTITION - NON BEARING
 * ALL EXTERIOR WALLS - FURRED W 2x4 PART. 16"

B00141889
 5/15/03

LOWER / BASEMENT LEVEL PLAN SCALE - 1/4" = 1'-0"

BASEMENT RENOVATION		
SCALE: 1/4" = 1'-0"	APPROVED BY:	DRAWN BY: W. DIER
DATE: 5-		REVISED:
LARRIS FINNEY - 1746 OAKDALE DR. COOKSVILLE MD.		
		DRAWING NUMBER: