9/27/02 11:00 9/30/02 11:00

PERMIT

SEWAGE DISPOSAL SYSTEM

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

P 517389
A 58993-F
ISSUE DATE
APPROVAL DATE 9/30/02

04-364279

UNDEXED

HATFIELD'S EQUIPMENT IS PERMITTED TO INSTALL x ALTER

ADDRESS 13786 BURNTWOODS ROAD, GLENELG, MD 21737 PHONE 301-854-6172

SUBDIVISION Cattail Ridge LOT NUMBER 6 ADDRESS 15012 Rolling Hills Drive

PROPERTY OWNER MTR Land, Inc. PROPERTY OWNER'S ADDRESS 13920 Baltimore Boulevard Laurel, MD 20707

SEPTIC TANK CAPACITY 1250 GALLONS

PUMP CHAMBER CAPACITY N/A GALLONS

NUMBER OF BEDROOMS 4

SQUARE FEET PER BEDROOM 180

LINEAR FEET OF TRENCH REQUIRED 240

TRENCHES: Trenches to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 5 feet below original grade. 2 feet of stone below distribution box.

LOCATION: Place the distribution box 245 feet down the right lot line and 10 feet off the same lot line. Run trenches on contour to left side of lot.

BUILDING PERMIT SIGNED AND RETURNED

2/26/03 B001140852-DECKS

9/9/04 B001150285-FINISH BASEMENT

PLANS APPROVED Mark Rifkin ON SRK 10/5/00 DATE 9/12/2000

PERMIT VOID AFTER 2 YEARS

NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS

NOTE: TOP OF SEPTIC TANKS ARE TO BE NO DEEPER THAN 3.0 FEET BELOW FINISH GRADE

NOTE: WATERTIGHT SEPTIC TANKS REQUIRED

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS, 90° ELBOWS ARE NOT ACCEPTABLE

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX, DRAINFIELDS) TO BE 100 FEET FROM ANY WATER WELL UNLESS OTHERWISE SPECIFICALLY AUTHORIZED

NOTE: NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH UNLESS SPECIFICALLY AUTHORIZED

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

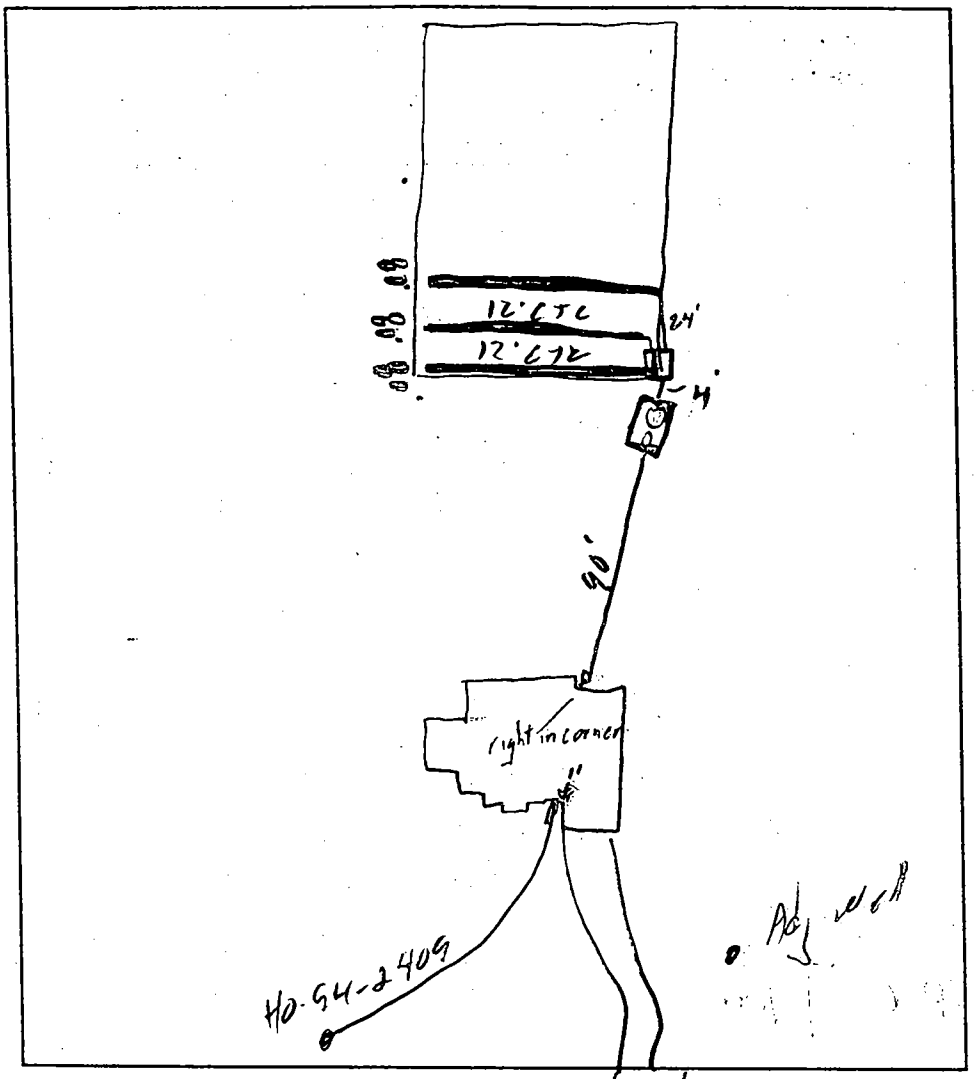
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

NOTE: IF PUMPED SEPTIC SYSTEM REQUIRED, (1) SEPTIC PUMP DETAIL TO BE PROVIDED BY INSTALLER PRIOR TO ISSUANCE OF SEPTIC PERMIT (2) PUMP PERFORMANCE TEST IS NECESSARY PRIOR TO HEALTH DEPARTMENT APPROVAL OF SEPTIC 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
CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

A58993-F

NOT TO SCALE



TRENCH DATA

TRENCH WIDTH 3'

TRENCH INLET DEPTH 3'

TRENCH BOTTOM DEPTH 5'

DEPTH OF STONE 2'

NUMBER OF TRENCHES 3

TOTAL TRENCH LENGTH 240'

ABSORBENT AREA 720 ft

DISTRIBUTION BOX LEVEL ✓

BAFFLE IN DISTRIBUTION BOX ✓

SEPTIC TANK DATA 1.5' Deep

SEPTIC TANK 1500 TS GALLONS

MANHOLE RISER Both

6 INCH INSPECTION PORT Front

PUMP CHAMBER DATA

PUMP CHAMBER GALLONS

MANHOLE RISER N/A

ALARM

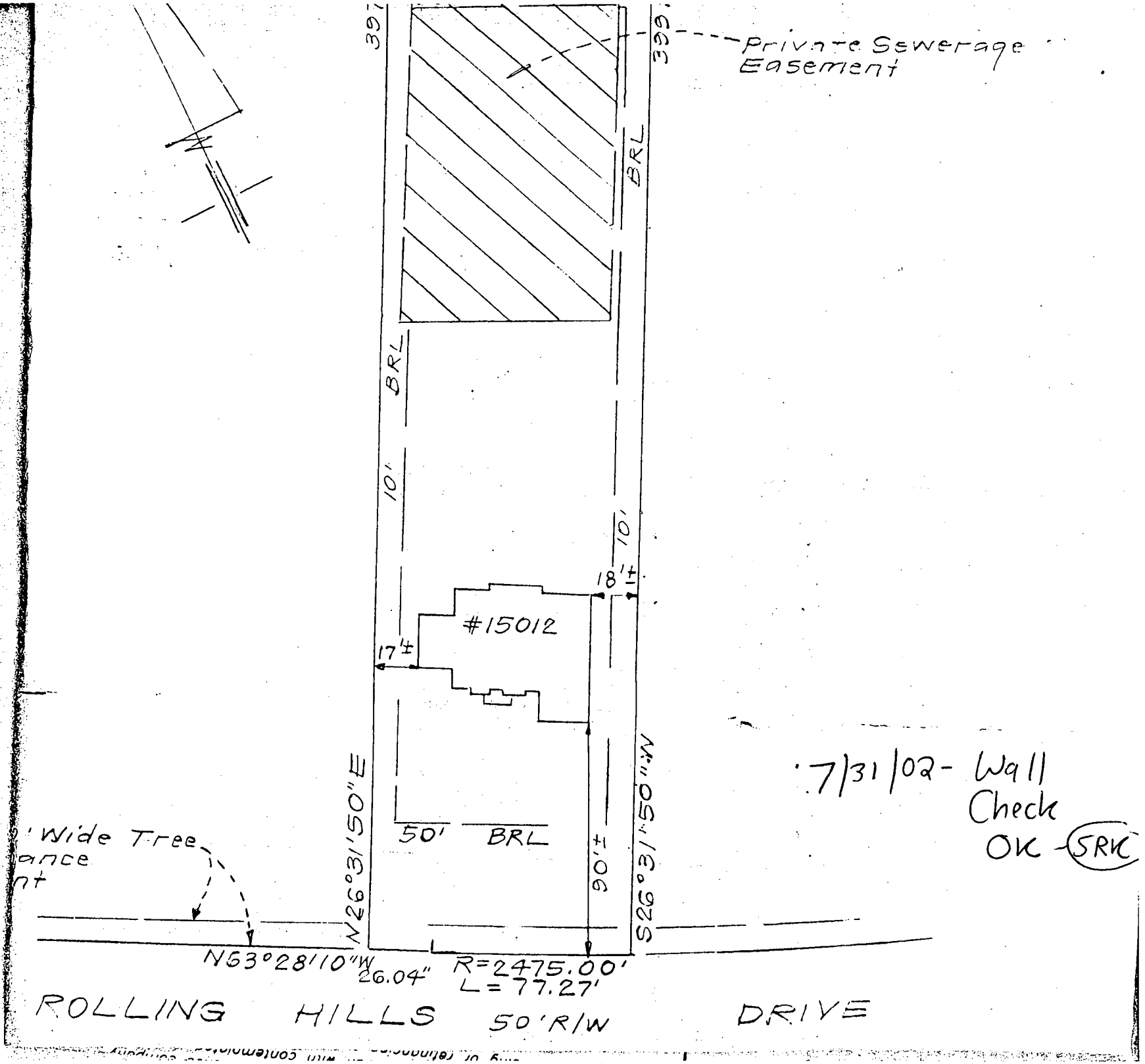
PUMP PERFORMANCE TEST

BUILDING PERMIT ISSUED AND RETURNED

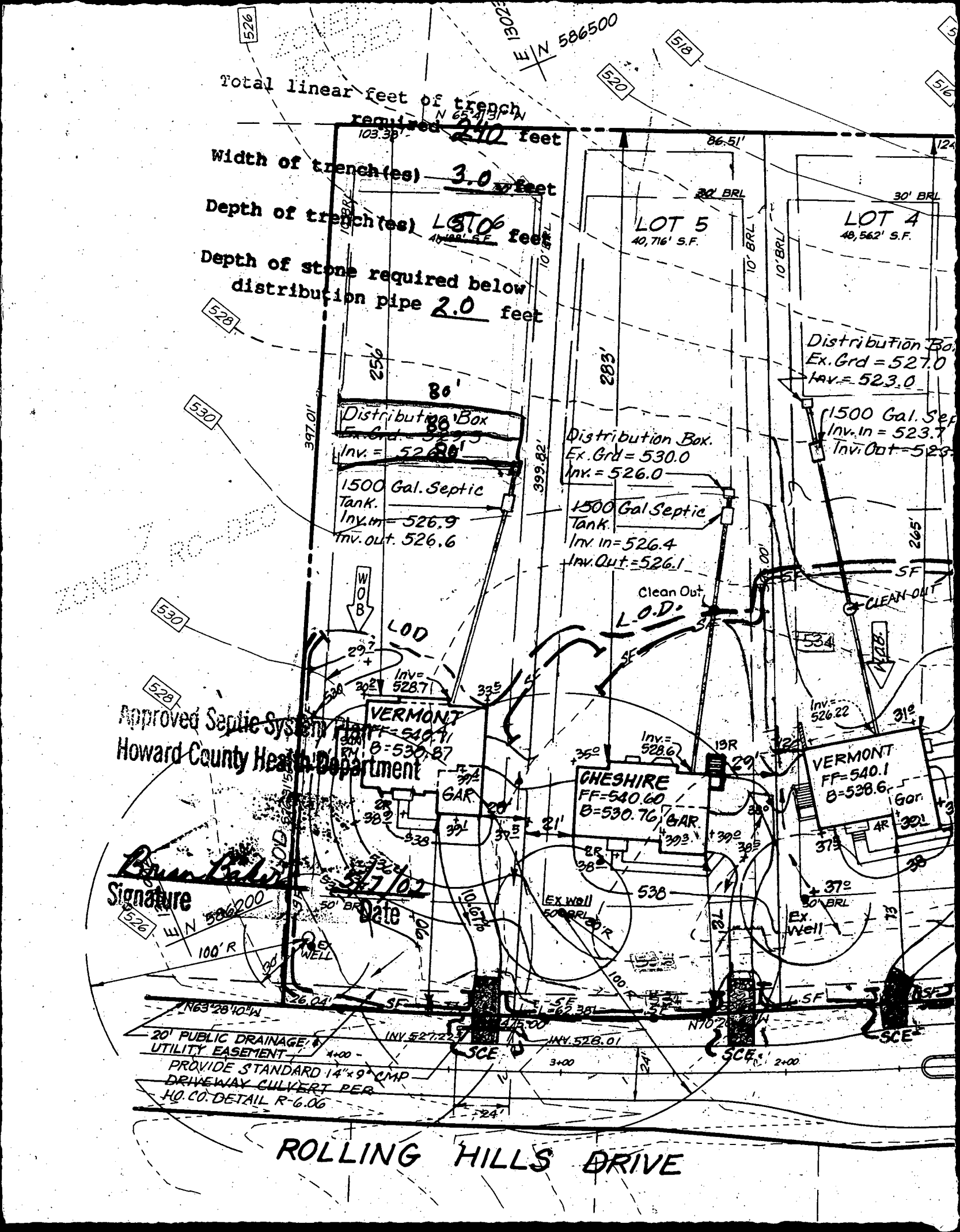
PRE-CONSTRUCTION INSPECTION: 9/27/02 Layout per BP. Tank set. Lot staked (SO)

INSPECTION COMMENTS: 9/30/02 OK to cover all work (SO)

INSPECTOR _____ DATE SYSTEM APPROVED 9/30/02



7/31/02 - Wall Check OK SRK


Total linear feet of trench required 240 feet
Width of trench(es) 3.0 feet
Depth of trench(es) 5.06 feet
Depth of stone required below distribution pipe 2.0 feet
Approved Septic System Plan
Howard County Health Department
Signature
Date
LOT 5
40,716' S.F.
LOT 4
48,562' S.F.
Distribution Box
Inv. = 526.80
1500 Gal. Septic Tank.
Inv. in = 526.9
Inv. out. 526.6
Distribution Box.
Ex. Grd = 530.0
Inv. = 526.0
1500 Gal Septic Tank.
Inv. In = 526.4
Inv. Out = 526.1
Distribution Box
Ex. Grd = 527.0
Inv. = 523.0
1500 Gal. Sep
Inv. In = 523.7
Inv. Out = 523
Clean Out
CLEAN-OUT
L.O.D.
LOD
VERMONT
FF=540.1
B=530.87
GAR.
CHESHIRE
FF=540.60
B=530.76
GAR.
VERMONT
FF=540.1
B=538.6
Gar.
Inv.= 528.7
Inv.= 528.6
Inv.= 526.22
EX WELL
Ex. Well
20' PUBLIC DRAINAGE & UTILITY EASEMENT
PROVIDE STANDARD 14"x9" CMP DRIVEWAY CULVERT PER HO. CO. DETAIL R-6.06
INV. 527.22
INV. 526.01
SCE
ROLLING HILLS DRIVE

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: C. MAYES P+H Telephone #: 410 923 0510
Address: 628 CECIL AVE
MILLERSVILLE, MD 21108

Must circle one: (Licensed Plumber) Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:
Name (Print): CHARLES MAYES License# 8276

A licensed individual must perform the actual installation. Apprentices must be under the direct supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification.

Name of Property Owner: MTR AND LLC Telephone #: 301 933 3110
Subdivision: CATTAIL RIDGE Lot # 13 Well Tag #: HO-94-2409
Site Address: 13212 ROLLING HILL DR.

Submersible Pump Data
Make: MYERS
Model #: 2HS5D 7600
Pump Capacity ___ GPM
Well Yield: 7.5 GPM

Pitless Adapter
Make: CAMPBELL
Model #: BX10
Depth: 42" (36" min)
NSF approved: YES

Well Cap and Electric Conduit
Two piece watertight cap: YES
Screened, vented well cap: ___
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: ___ (feet)
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4
(Plastic centralizer) Cable guards are required – Must circle one
(Safety rope) if used, attached to inside of well casing with eye bolt YES

Piping to house
Type: POLY
PSI: 160 (160 psi min)
Depth of supply line: 42 (36" min)

House Connection
PVC sleeved to undisturbed soil at wall penetration: YES
Approximate length of sleeve: 4
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.

Charles Mayes 1-21-03
Signature of company representative responsible for installation date

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

Date Insp. Requested: ___ Date Insp. Approved: 10/24/02 (50) SRK

Inspection Data:
- Pitless adapter and 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 installed inside of well 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 ✓

HD-215(Rev. 8/00

C 1 | 1951 | SEQUENCE NO. (MDE USE ONLY)

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

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED. ON SRK 11/9/99

COUNTY NUMBER A58993FV

ST/CO USE ONLY
DATE Received MM DD YY

DATE WELL COMPLETED MM 09 DD 24 YY 99

Depth of Well 170 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-2409

OWNER BRS Developers (last name)
STREET OR RFD Rolling Hills DR (first name) TOWN Glenwood
SUBDIVISION Cathail Ridge SECTION LOT 6

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
Top Soil	0	2	
Sandy	2	50	✓
Sand Stone	50	55	
MICKA	55	80	
Sand Stone	80	85	✓
MICKA	85	100	
Sand Stone	100	105	✓
MICKA	105	170	

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. MSD 116
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. MSD 117
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 16 NO. OF POUNDS 1600
GALLONS OF WATER 96
DEPTH OF GROUT SEAL (to nearest foot)
from 0 (TOP) ft. to 30+ (BOTTOM) 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	Nominal diameter top (main) casing (nearest inch)!	Total depth of main casing (nearest foot)
PL	6	63

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 [HO] OPEN HOLE [PL] PLASTIC [OT] OTHER

C 2

EACH SCREEN		DEPTH (nearest ft.)	
1	HO	61	170
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 (70) (E.R.O.S.) (72) W Q (74 75 76)
TELESCOPE CASING LOG INDICATOR OTHER DATA

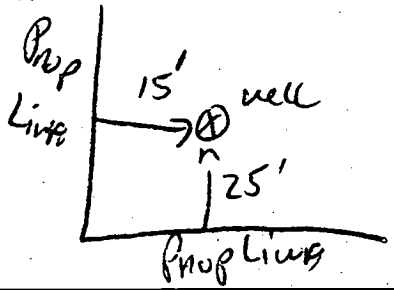
C 3

PUMPING TEST
HOURS PUMPED (nearest hour) 3
PUMPING RATE (gal. per min.) 7.5
METHOD USED TO MEASURE PUMPING RATE Bucket
WATER LEVEL (distance from land surface)
BEFORE PUMPING 36 ft.
WHEN PUMPING >2 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.
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
2 (nearest foot)

LOCATION OF WELL ON LOT
SHOW PERMANENT STRUCTURES AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)



DENV-CR97

② COUNTY

EMERGENCY/TEMP NO. IF ANY

B 1 · 1937 (1 2 3 — 6) SEQUENCE NO. (MDE USE-ONLY)

STATE OF MARYLAND
PERMIT TO DRILL WELL
please print or type

STATE PERMIT NUMBER HO 94 2409 (70 — 79) 9/9/99
fill in this form completely

Date Received (APA) 08 30 99 (8 MM DD YY 13)

OWNER INFORMATION

BNS Developers LLC (15 Last Name — Owner — First Name 34)

8808 Centre Park Dr. Suite 209 (36 Street or RFD 55)

Columbia MD 21045 (57 Town — 70 State — 72 Zip 76)

DRILLER INFORMATION

Ralph Mayne M S D 116 (Driller's Name 76 License No. 81)

Ralph Mayne well Drilling (Firm Name)

9120 Brown Church Rd. Mt Airy (Address)

Ralph Mayne 8-25-99 (Signature — Date)

B 2 (1 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
22 [I] INDUSTRIAL, COMMERICIAL, DEWATERING
[P] PUBLIC WATER SUPPLY WELL
[T] TEST, OBSERVATION, MONITORING
[G] GEO-THERMAL

APPROXIMATE DEPTH OF WELL 150 FEET (24 — 28)

APPROXIMATE DIAMETER OF WELL 6" NEAREST INCH

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 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
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 DEEPEN AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENED (IF AVAILABLE) 41 — 52

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

APPROP. PERMIT NUMBER GAP (54 — 63)

PERMIT No. HO - 94 - 2409 (70 71 72 73 74 75 76 77 78 79)

B 3 LOCATION OF WELL

Howard (8 COUNTY 21)

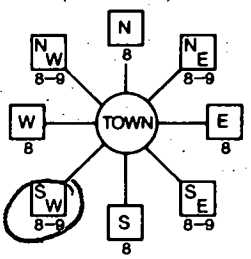
Cattail Ridge (23 SUBDIVISION 42)

SECTION — (44 46) LOT 6 (48 50)

Glenwood (52 NEAREST TOWN 71)

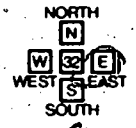
MILES FROM TOWN (enter 0 if in town) I (73 — 76 77 78 M I)

B 4 (1 2) DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Rolling Hills Dr. (11 NEAR WHAT ROAD 30)

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



34 30 37 DISTANCE FROM ROAD ft (ENTER FT OR MI 38 39)

TAX MAP: 21 BLK: ____ PARCEL 3

NOT TO BE FILLED IN BY DRILLER
HEALTH DEPARTMENT APPROVAL

Howard Co (COUNTY NAME) A58993F (COUNTY NO.)

STATE SIGNATURE _____ INSERT S → 41

DATE ISSUED 090799 (43 MM DD YY 48) A McMeel (CO SIGNATURE) 090700 (EXP. DATE)

NORTH GRID 525 000 (50 — 55) EAST GRID 790 000 (57 — 63)

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

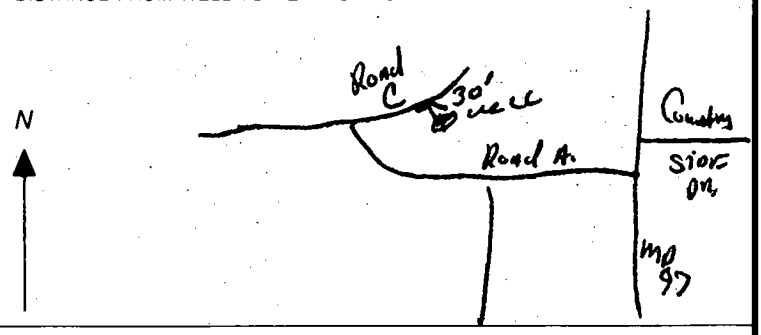
E 250

N 525

000
000

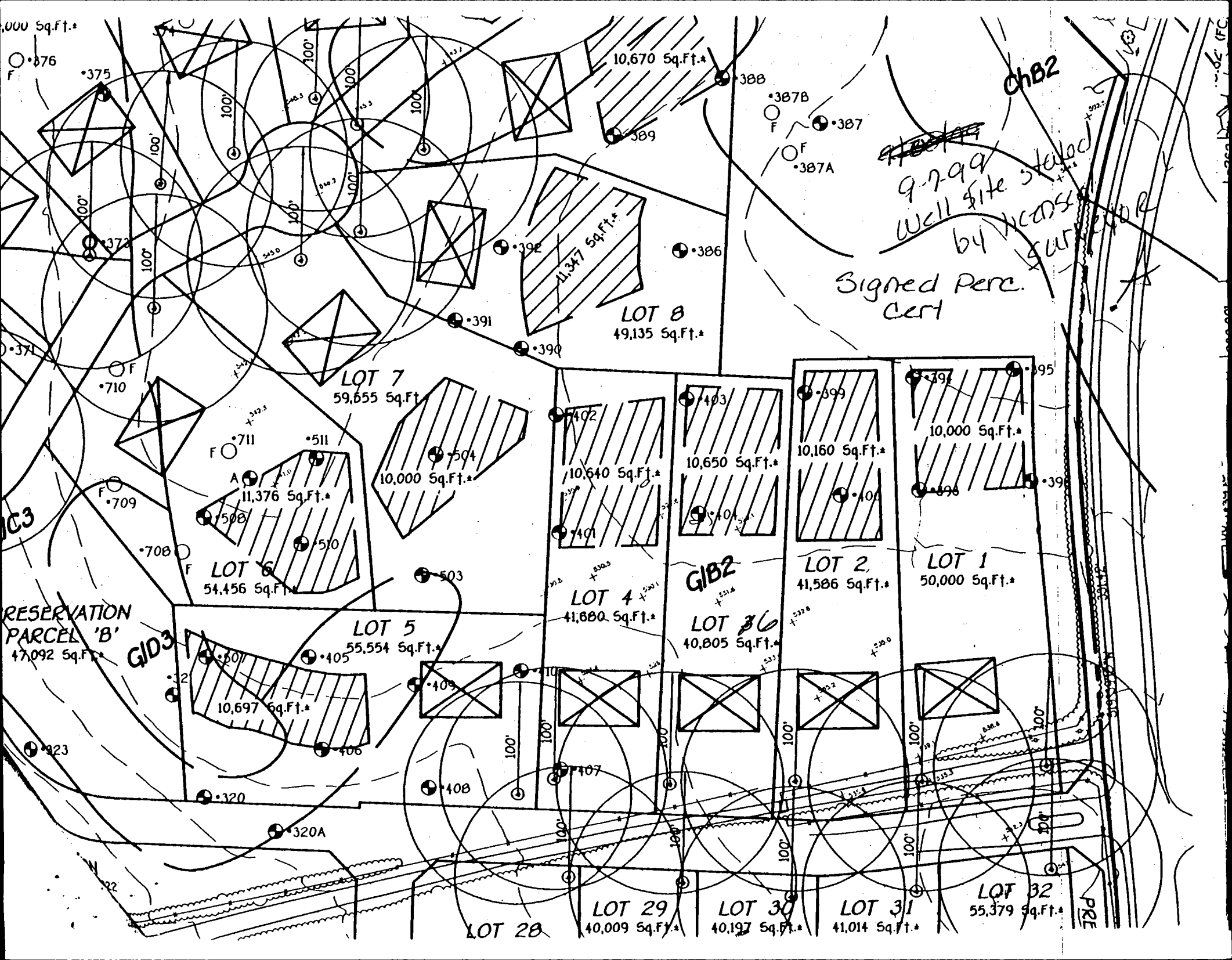
9/24/99
Grouted A. Mc
63' casing
30+ open
16 bags cement
Not present for grout (BB)

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 -

DENV-Permit 97 ② COUNTY


LOT 8
49,135 Sq.Ft.±
11,347 Sq.Ft.±
10,670 Sq.Ft.±
LOT 7
59,655 Sq.Ft.±
10,000 Sq.Ft.±
11,376 Sq.Ft.±
LOT 6
54,456 Sq.Ft.±
LOT 5
55,554 Sq.Ft.±
10,697 Sq.Ft.±
RESERVATION
PARCEL 'B'
47,092 Sq.Ft.±
10,640 Sq.Ft.±
LOT 4
41,680 Sq.Ft.±
10,650 Sq.Ft.±
LOT 36
40,805 Sq.Ft.±
10,160 Sq.Ft.±
LOT 2
41,586 Sq.Ft.±
10,000 Sq.Ft.±
LOT 1
50,000 Sq.Ft.±
LOT 28
LOT 29
40,009 Sq.Ft.±
LOT 30
40,197 Sq.Ft.±
LOT 31
41,014 Sq.Ft.±
LOT 32
55,379 Sq.Ft.±
GID3
GIB2
ChB2
Signed Perc.
Cert
Well Site Staked
by Licensed Surveyor

APPLICATION

PERCOLATION TESTING

A 58993

P _____

DISTRICT _____

DATE 9-25-97

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

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 J. Thomas Sachse

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER C/O LDAD

ADDRESS 10365 Gilroy Rd Suite 215 PHONE 410-740-2102
Columbia, MD 21044

PROPERTY LOCATION:

SUBDIVISION Hearthrei LOT NO. 6

ROAD AND DESCRIPTION Rte 97

TAX MAP 21 PARCEL # ~~1339~~ 3

SIZE OF LOT 1 acre TYPE BLDG. SFD (38 LOTS)
(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 OF APPLICANT)

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

HD 216 (2/92)

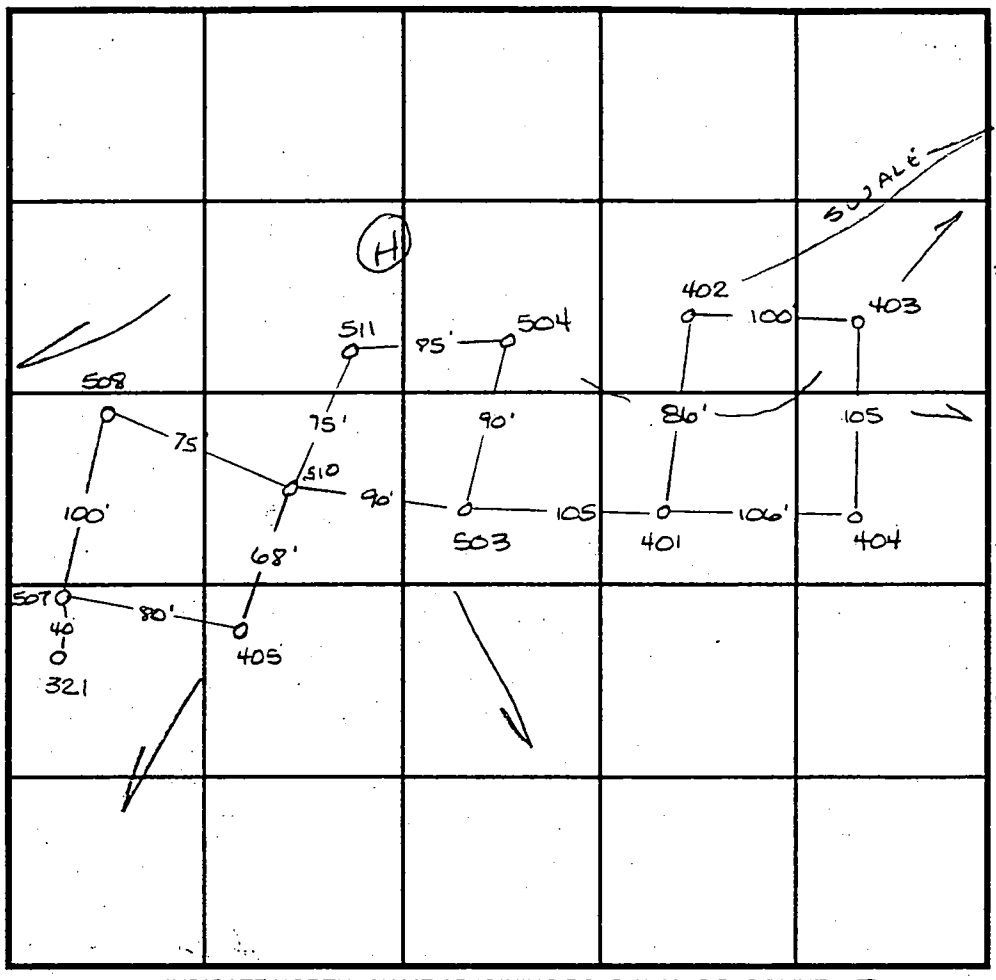
COUNTY #

SOIL PROFILE
504

0'
red brown SiCLm
3.0
pink SiSaLm 10% Rx some orange
12.0

510
red brown SiCLm
3.5
lgt brown SiSaLm decayed SS white & or. lg. grained Sand
12.0

511
dark red SiCLm
3.5
red brown SiSaLm 25% decayed Sand Stone
11.0



SOIL PROFILE
507

0'
dark red SiCLm
3.5
lgt tan SaLm grey decayed Sand Stone 10% refusal
9.0

Proposed Rd

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET START	PRE-WET STOP	TEST - 1" DROP START	TEST - 1" DROP STOP	TIME
2-9-98	504	4.0 / V 12.0	11:04	11:10	11:10	11:19	9min
	510	Visual	to 12.0 - see	profile	—		OK
	511	4.0 / V 11.0	10:57	11:01	11:01	11:08	7min
	507	3.5 / V 9.0	10:42	10:50	10:50	11:05	15min

REMARKS _____

TYPE OF SOIL _____

TESTED BY Amy McMillen ALSO PRESENT _____

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

APPLICATION

PERCOLATION TESTING

A 58993

P _____

DISTRICT _____

DATE 9-25-97

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

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 J. Thomas Sachse

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER c/o LDAD

ADDRESS 10365 Wilkens Ridge Suite 205 PHONE 410-740-21[illegible]
Columbia, MD 21044

PROPERTY LOCATION:

SUBDIVISION Haan Rei' LOT NO. 5/6/7

ROAD AND DESCRIPTION Rte 97

TAX MAP 21 PARCEL # ~~137~~ 3

SIZE OF LOT 1 acre TYPE BLDG. SFD (38 LOTS)
(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 OF APPLICANT)

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

HD-216 (3/92)

LOT 35

COUNTY #

SOIL PROFILE

403

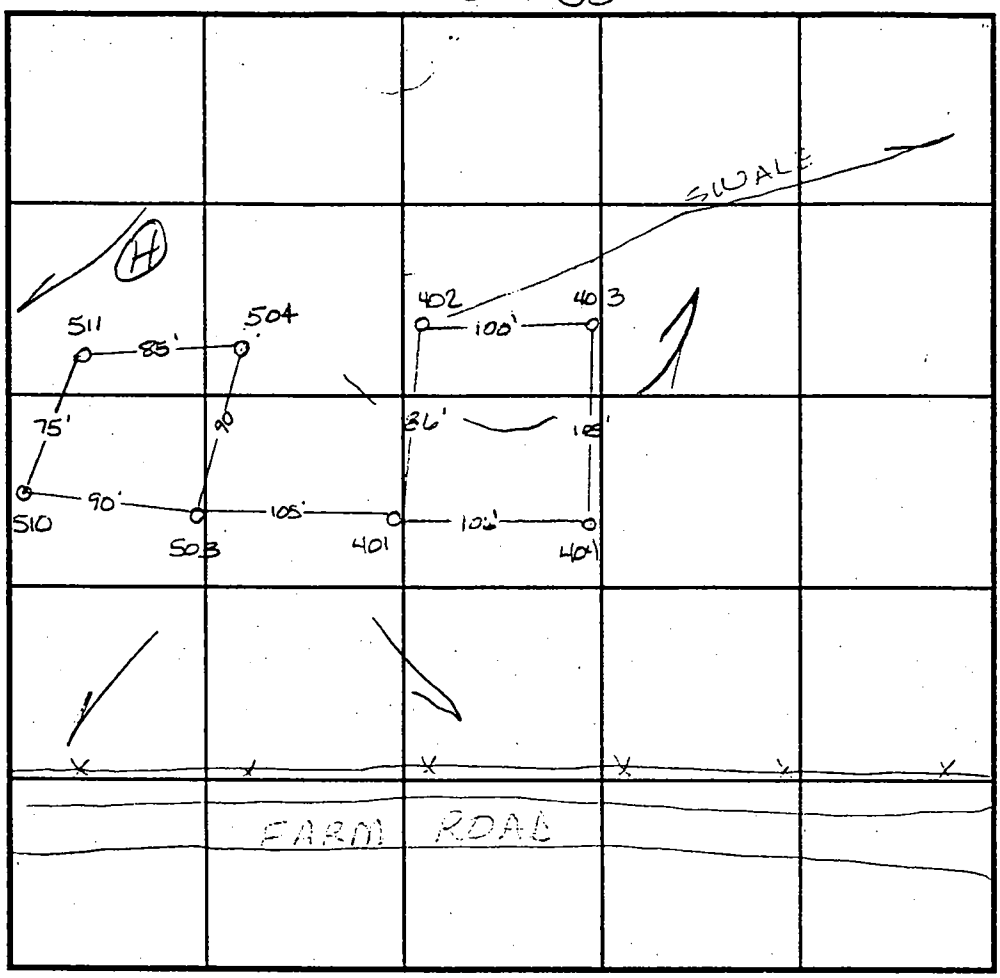
0'
- beigh brn SiCLm
1.0
- orange red SiLm
4.5
- lgt pink SiSaLm
7.0
- 30% Rx blk/wht facES
9.0
- red brn SiLm
12.0

404 401

- red brn SiCLm
3.0
- lgt pink SiSaLm 15% very decayed saprolite
12.0

402

- yellow brn SiCLm
3.5
- lgt tan micaceous SaSiLm <5% Rx
13.0



SOIL PROFILE

503, 508

0'
- dark red brown SiCLm
3.0
- dark red brown SaSiLm 10% Rx
12.0

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET START	PRE-WET STOP	TEST - 1" DROP START	TEST - 1" DROP STOP	TIME
10-31-97	403	3.5 / V12.5	12:03	12:08	12:08	12:18	10min
		6.5 / V12.5	12:02	12:03	12:03	12:05 37	2½min
	404	4.0 / V12.0	12:42 45	12:46	12:46	12:53	7min
		7.0 / V12.0	12:42	12:45	12:45	12:49	4min
	401	4.0 / V12.5	12:47 30	12:53	12:53	12:57	4min
	402	4.5 / V13.0	12:55	12:58	12:58	1:01	3min
2-9-98	503	Visual	to 120 - see	profile	—		OK
	508	4.0 / V12.0	10:48	10:57	10:57	11:12	15min

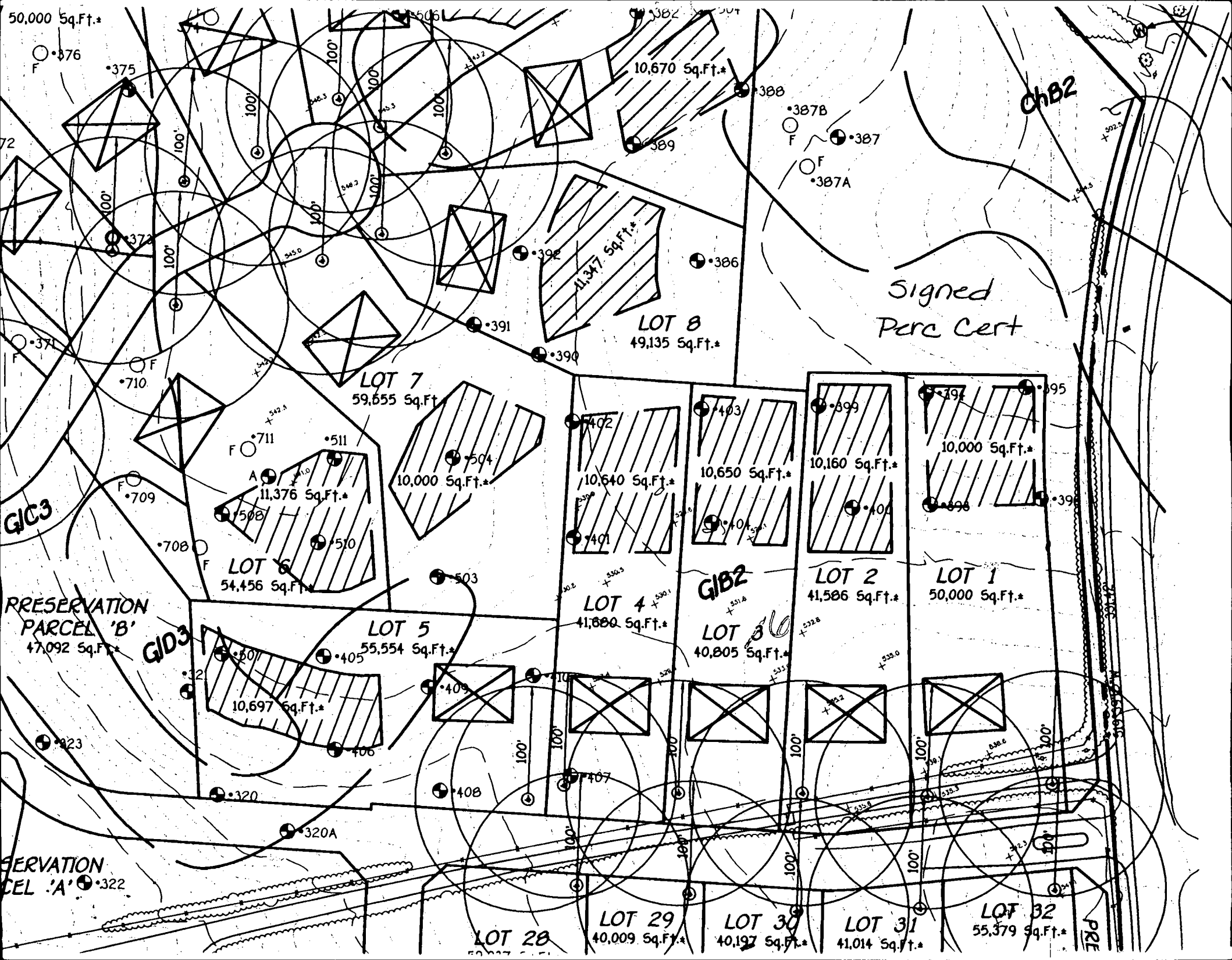
REMARKS

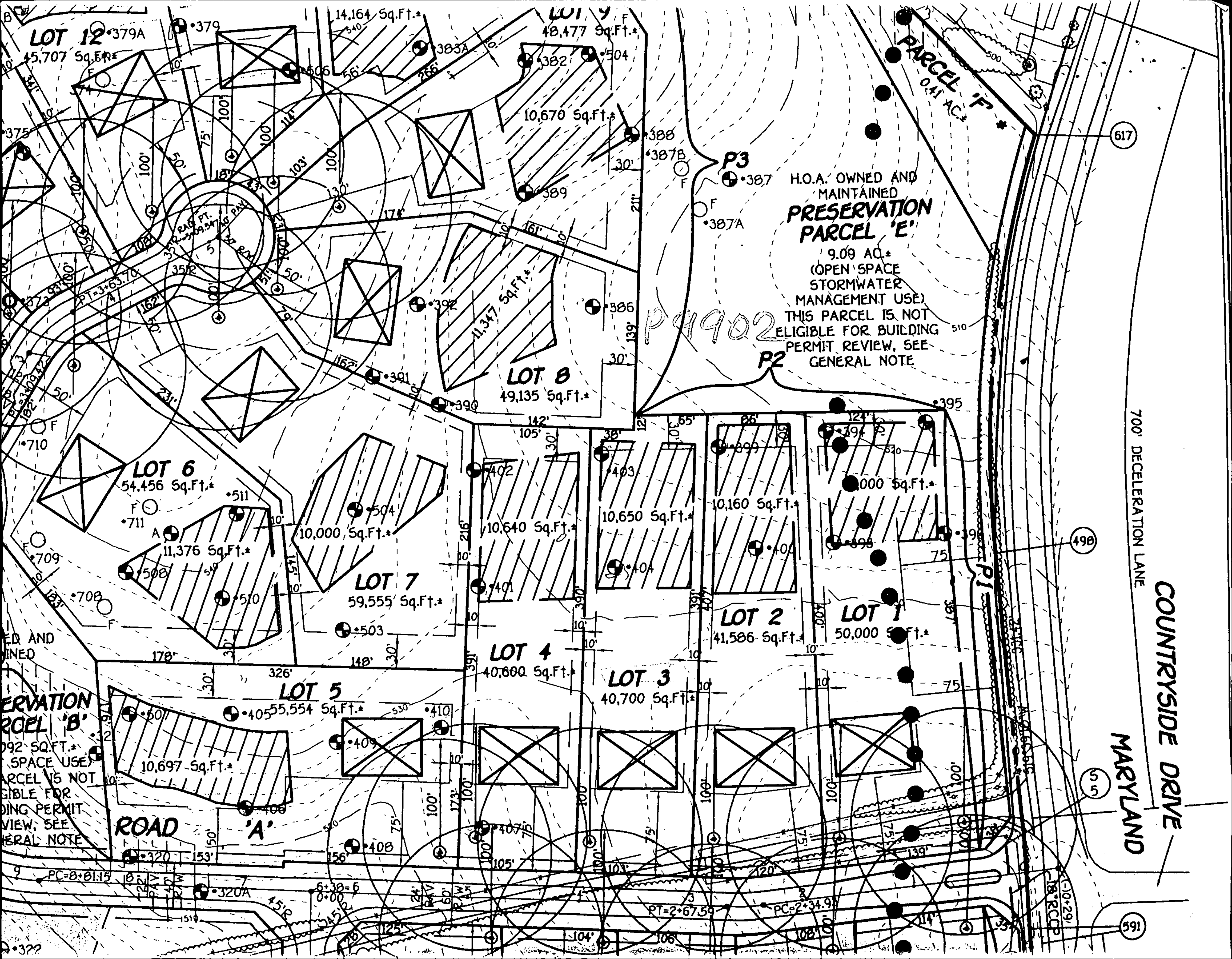
TYPE OF SOIL

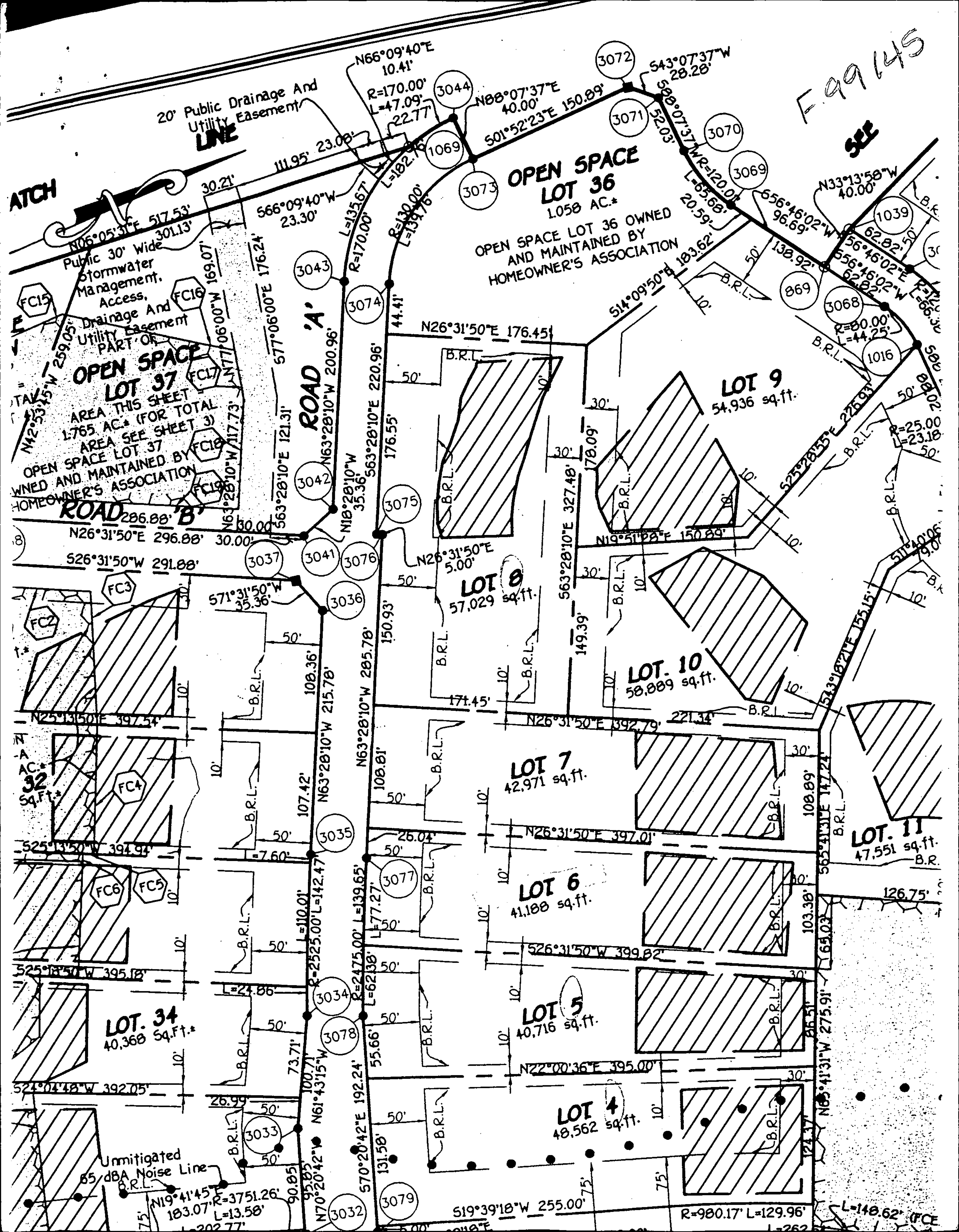
TESTED BY Amy McMillen ALSO PRESENT D Reuter

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

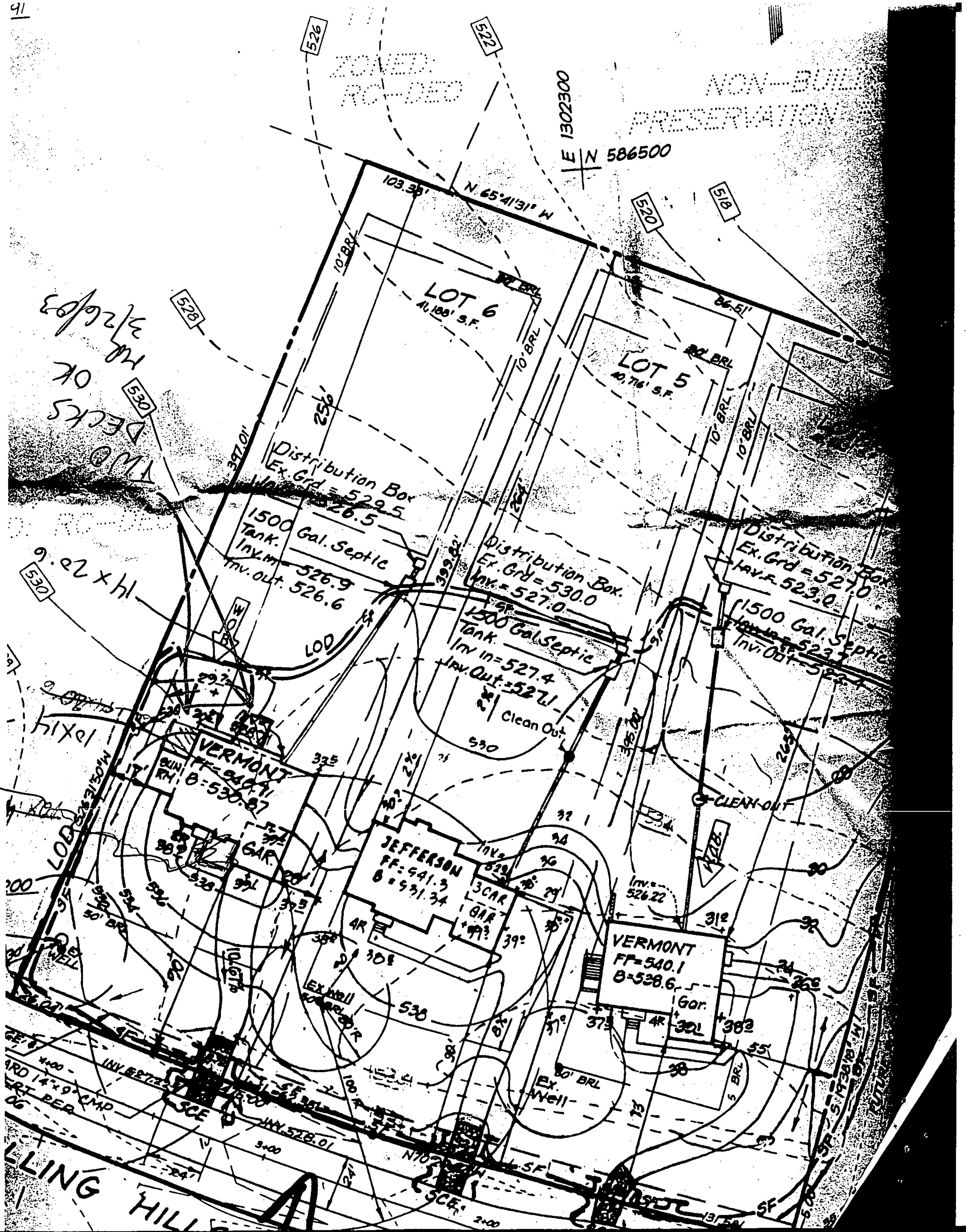
INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT/BEDROOM _____


50,000 Sq.Ft.±
10,670 Sq.Ft.±
11,347 Sq.Ft.±
LOT 8
49,135 Sq.Ft.±
Signed
Perc Cert
LOT 7
59,655 Sq.Ft.
10,000 Sq.Ft.±
11,376 Sq.Ft.±
10,640 Sq.Ft.±
10,650 Sq.Ft.±
10,160 Sq.Ft.±
10,000 Sq.Ft.±
LOT 6
54,456 Sq.Ft.±
LOT 4
41,680 Sq.Ft.±
LOT 3
40,805 Sq.Ft.±
LOT 2
41,586 Sq.Ft.±
LOT 1
50,000 Sq.Ft.±
PRESERVATION
PARCEL 'B'
47,092 Sq.Ft.±
LOT 5
55,554 Sq.Ft.±
10,697 Sq.Ft.±
LOT 28
LOT 29
40,009 Sq.Ft.±
LOT 30
40,197 Sq.Ft.±
LOT 31
41,014 Sq.Ft.±
LOT 32
55,379 Sq.Ft.±
G/C3
G/D3
G/B2
ChB2
100'


LOT 12
45,707 Sq.Ft.±
LOT 9
48,477 Sq.Ft.±
14,164 Sq.Ft.±
10,670 Sq.Ft.±
PARCEL 'F'
0.41 AC.±
H.O.A. OWNED AND
MAINTAINED
PRESERVATION
PARCEL 'E'
9.09 AC.±
(OPEN SPACE
STORMWATER
MANAGEMENT USE)
THIS PARCEL IS NOT
ELIGIBLE FOR BUILDING
PERMIT REVIEW, SEE
GENERAL NOTE
P1
P2
P3
11,347 Sq.Ft.±
LOT 8
49,135 Sq.Ft.±
LOT 6
54,456 Sq.Ft.±
11,376 Sq.Ft.±
10,000 Sq.Ft.±
LOT 7
59,555 Sq.Ft.±
10,640 Sq.Ft.±
10,650 Sq.Ft.±
10,160 Sq.Ft.±
LOT 4
40,600 Sq.Ft.±
LOT 3
40,700 Sq.Ft.±
LOT 2
41,586 Sq.Ft.±
LOT 1
50,000 Sq.Ft.±
LOT 5
55,554 Sq.Ft.±
10,697 Sq.Ft.±
ROAD 'A'
700' DECELERATION LANE
COUNTRYSIDE DRIVE
MARYLAND
617
498
591
55
PC=8+81.15
PT=2+67.59
PC=2+34.93
PT=3+63.70


F99145
SEE
MATCH LINE
20' Public Drainage And Utility Easement
OPEN SPACE LOT 36
1.058 AC.±
OPEN SPACE LOT 36 OWNED AND MAINTAINED BY HOMEOWNER'S ASSOCIATION
Public 30' Wide Stormwater Management, Access, Drainage And Utility Easement
PART OF OPEN SPACE LOT 37
AREA THIS SHEET 1.765 AC.± (FOR TOTAL AREA SEE SHEET 3)
OPEN SPACE LOT 37 OWNED AND MAINTAINED BY HOMEOWNER'S ASSOCIATION
ROAD 'A'
ROAD 'B'
LOT 9
54,936 sq.ft.
LOT 8
57,029 sq.ft.
LOT. 10
58,889 sq.ft.
LOT 7
42,971 sq.ft.
LOT 6
41,188 sq.ft.
LOT 5
40,716 sq.ft.
LOT 4
48,562 sq.ft.
LOT. 34
40,368 Sq.Ft.±
LOT. 11
47,551 sq.ft.
Unmitigated 65 dBA Noise Line
B.R.L.
N66°09'40"E 10.41'
R=170.00' L=47.09'
22.77'
N88°07'37"E 40.00'
S01°52'23"E 150.89'
S43°07'37"W 28.28'
S88°07'37"W 52.03'
R=120.00' L=65.68'
N33°13'58"W 40.00'
S56°46'02"W 96.69'
S56°46'02"E 62.82'
S14°09'50"E 103.62'
R=80.00' L=44.25'
N26°31'50"E 176.45'
S25°20'55"E 226.93'
R=25.00 L=23.18
N19°51'28"E 150.89'
S63°28'10"E 327.48'
S11°40'06"E 155.15'
N26°31'50"E 392.79'
N26°31'50"E 397.01'
S26°31'50"W 399.82'
N22°00'36"E 395.00'
S19°39'18"W 255.00'
R=980.17' L=129.96'
L=148.62'
N06°05'31"E 517.53'
301.13'
S66°09'40"W 23.30'
R=170.00' L=135.67'
R=130.00' L=134.76'
L=182.16'
N42°53'45"W 259.05'
S77°06'00"E 176.24'
N77°06'00"W 169.07'
N63°28'10"W 200.96'
S63°28'10"E 220.96'
N63°28'10"W 117.73'
S63°28'10"E 121.31'
N18°28'10"W 35.36'
N26°31'50"E 296.88'
286.88'
S26°31'50"W 291.88'
S71°31'50"W 35.36'
N26°31'50"E 5.00'
N63°28'10"W 215.78'
N63°28'10"W 285.78'
N25°13'50"E 397.54'
S25°13'50"W 394.94'
S25°18'50"W 395.18'
S24°04'48"W 392.05'
R=2525.00' L=142.47'
R=2475.00' L=139.65'
N61°43'15"W
S70°20'42"E 192.24'
N70°20'42"W
N19°41'45"E 183.07'
R=3751.26' L=13.58'
S63°41'31"E 147.24'
N63°41'31"W 275.91'
126.75'
3072 3044 1069 3073 3071 3070 3069 1039 869 3068 1016 3043 3074 3042 3075 3041 3037 3076 3036 3035 3077 3034 3078 3033 3032 3079
FC15 FC16 FC17 FC18 FC19 FC3 FC2 FC4 FC6 FC5

41


N 586500
E 1302300
N. 65°41'31" W
103.38'
86.51'
LOT 6
LOT 5
10' BRL
30' BRL
397.01'
Distribution Box
Ex. Grd = 529.5
1500 Gal. Septic
Tank.
Inv. in = 526.9
Inv. Out. 526.6
Distribution Box.
Ex. Grd = 530.0
Inv. = 527.0
1500 Gal. Septic
Tank.
Inv in = 527.4
Inv. Out = 527.1
Clean Out
Distribution Box
Ex. Grd = 527.0
Inv. = 523.0
1500 Gal. Septic
LOD
VERMONT
GAR.
JEFFERSON
3 CAR GAR
CLEAN-OUT
VERMONT
FF=540.1
B=538.6
Gar.
Ex. Well
SCE
SF

DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS
3430 COURT HOUSE DRIVE
ELLICOTT CITY, MD 21043
PERMITS (410) 313-2455 INSPECTIONS (410) 313-1910
AUTOMATED INFORMATION (410) 313-3000

15012

HOWARD COUNTY PERMIT APPLICATION

PERMIT NUMBER B 00140856

Building Address ~~13960~~ Rolling Hills dr. Glenwood ~~Laurel~~ Ellicott, MD 20707 21738

Suite/Apt. #: _____ SDP/WP/Petition #: _____

Census Tract 6040.02 Subdivision Gaffard Manor

Section _____ Area _____ Lot 6

Tax Map 21 Parcel 228 Grid 3

Zoning RR-DEO Map Coordinates 9A8 Lot size _____

Property Owner's Name M T R Land

Address ~~15012 Rolling Hills Ave~~ 15920 Baltimore Blvd

City ~~Glen~~ Laurel State MD Zip Code 20707

Home Phone _____ Work Phone _____

Applicant's Name & Mailing Address, (if other than stated hereon):

Phone _____ Fax _____

Existing Use SFD

Proposed Use SFD & Decks

Estimated Construction Cost $ 6,440

Description of Work Deck 10 X 14

Deck 14 X 20.5 @ Steps to grade

Contractor Company Berry Construction

Contact Person Doug Berry

Address _____

City Olney State MD Zip Code _____

License No. _____

Phone 301 370-5628 Fax _____

Occupant or Tenant _____

Contact Name _____

Address _____

City _____ State _____ Zip Code _____

Phone _____ Fax _____

Engineer or Architect Company _____

Contact Person _____

Address _____

City _____ State _____ Zip Code _____

Phone _____ Fax _____

BUILDING DESCRIPTION - *COMMERCIAL*

Building Characteristics

Height:

No. of stories:

Gross area, sq. ft. per floor:

Use group:

Construction type:
____ Reinforced Concrete
____ Structural Steel
____ Masonry
____ Wood Frame

____ State Certified Modular

Utilities

Water Supply:
____ Public
____ Private

Sewage Disposal:
____ Public
____ Private

Electric Yes ☐ No ☐
Gas Yes ☐ No ☐

Heating System:
Electric ☐ Oil ☐
Natural Gas ☐
Propane Gas ☐

Sprinkler system: N/A ☐
____ Full
____ Partial
____ Other Suppression
____ # of Heads

BUILDING DESCRIPTION - *RESIDENTIAL*

Building Characteristics

SF Dwelling ☐ SF Townhouse ☐

	Depth	Width
1st floor:		
2nd floor:		
Basement:		

Finished Basement ☐ Unfinished Basement ☐
Crawl space ☐ Slab on Grade ☐
No. of Bedrooms _____

Multi-family dwellings:
No. of efficiency units: _____
No. of 1 BR units: _____
No. of 2 BR units: _____
No. of 3 BR units: _____

Other Structure: _____
Dimensions: _____
Footings: _____
Roof: _____

____ State Certified Modular
____ Manufactured Home

Utilities

Water Supply:
____ Public
____ Private

Sewage Disposal:
____ Public
____ Private

Electric Yes ☐ No ☐
Gas Yes ☐ No ☐

Heating System:
Electric ☐ Oil ☐
Natural Gas ☐
Propane Gas ☐

Sprinkler system: N/A ☐
____ NFPA #13D
____ NFPA #13R
____ Other:

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Justin Olson
Applicant's Signature

Justin Olson
Print Name

Title/Company MR 3/26/03

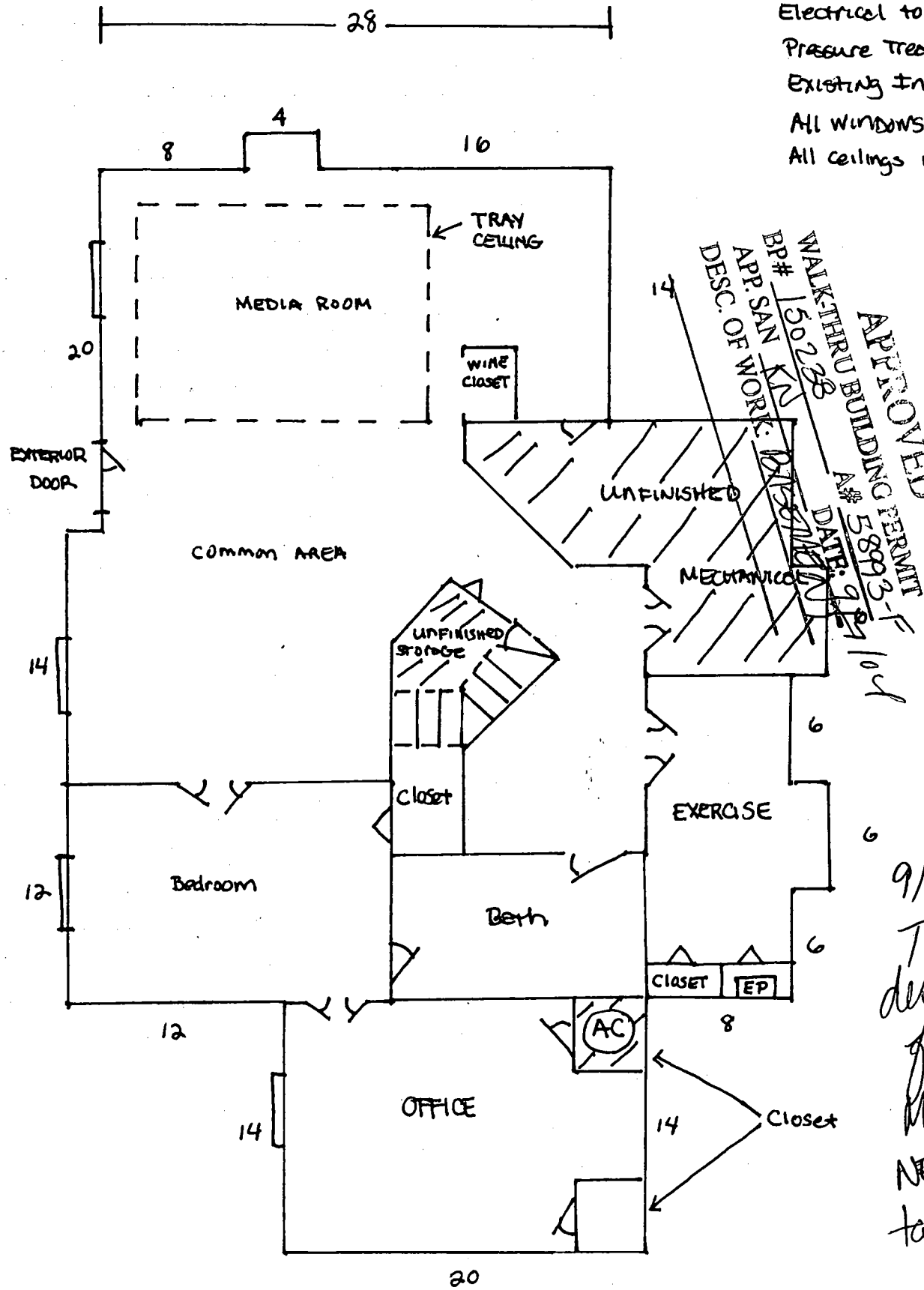
3/26/03
Date

Checks payable to: *DIRECTOR OF FINANCE OF HOWARD COUNTY*
** PLEASE WRITE NEATLY AND LEGIBLY. **
- FOR OFFICE USE ONLY -

AGENCY	DATE	SIGNATURE APPROVAL	DPZ SETBACK INFORMATION	PROPERTY ID#: 47824

P. Alison Harrison
15012 Rolling Hills Drive
Glenwood, Md 21738

2X14 X 10 studs 16" OC
Electrical to code
Pressure Treated Plates
Existing Insulation
All windows 4 x 4 or greater
All ceilings min. 84"



9/8/04
Trenches designed for > 4 bdrm
May maintain NEED septic tank, is 1500 gal
KN