

LAYOUT 3/11/02 AM INSP 4 _____
 INSP 2 3/29/02 AM INSP 5 _____
 INSP 3 _____ INSP 6 _____

ISSUE DATE: 2/19/2002
 APPROVAL DATE: 3/29/02

**PERMIT
INDEXED**

04-365674

P 516521
 A 59946-L

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

Miller Excavating Co., Inc. _____ IS PERMITTED TO INSTALL ALTER

ADDRESS: 13850 W. Old Baltimore Rd., 20841 PHONE NUMBER: 301-349-4400

SUBDIVISION: Westwoods @ Cherry Grove LOT NUMBER: 16

ADDRESS: 16909 Old Sawmill Road 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

| | |
|-----------|---|
| TRENCHES: | Trench to be 3.0 feet wide. Inlet 2.5 feet below original grade. Bottom maximum depth 4.5 feet below original grade. Effective area begins at 3.0 feet below original grade. 2.0 feet of stone below distribution pipe. |
| LOCATION: | Distribution box placement to be determined during layout. One possible location is shown on copy of building permit plan. |
| NOTES: | Pumped septic system may be required. Keep trenches 100 feet from Well on lot 15. Trenches may be as shallow as 4 feet. |

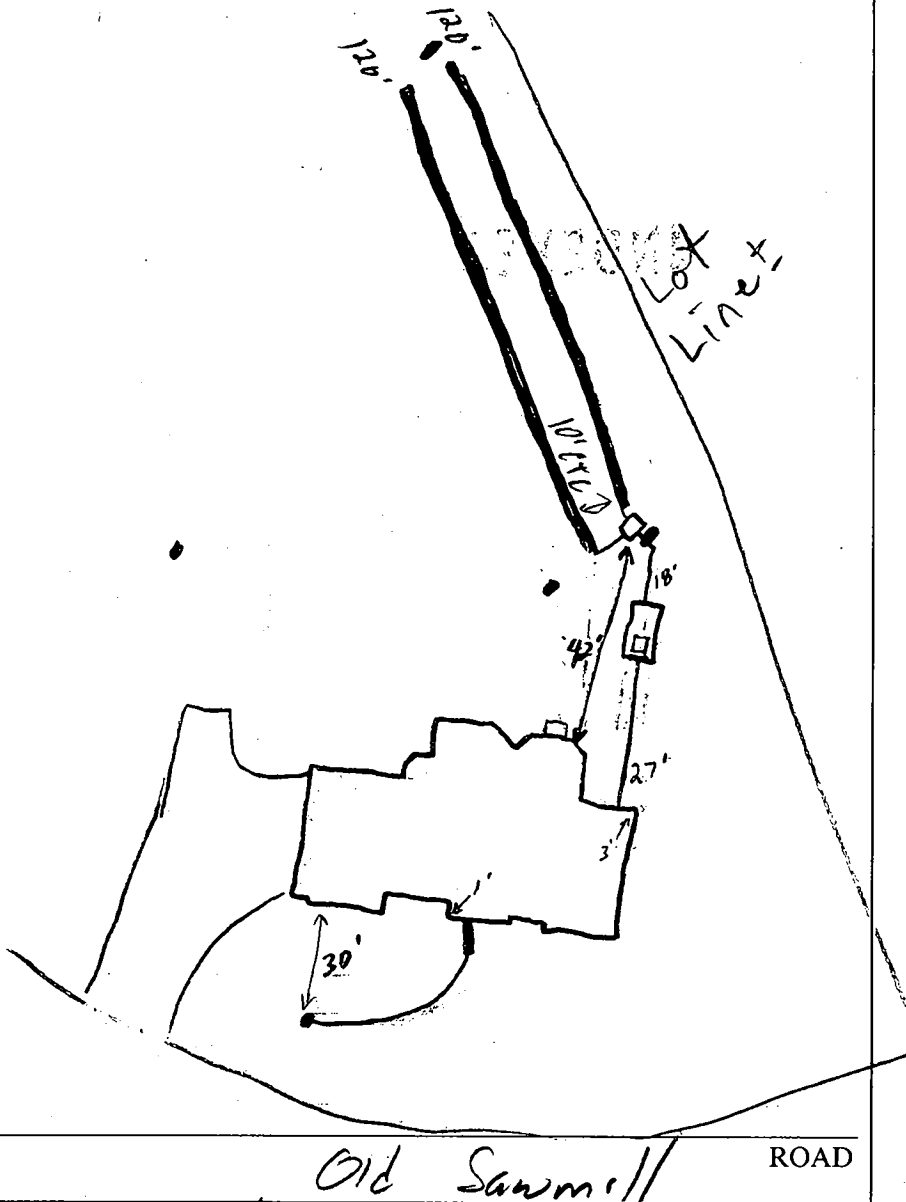
PLANS APPROVED: CW OK SRK 12/11/01 DATE: 08/02/2000

- NOTE: PERMIT VOID AFTER 2 YEARS
- NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED

**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**

A59946-L

NOT TO SCALE



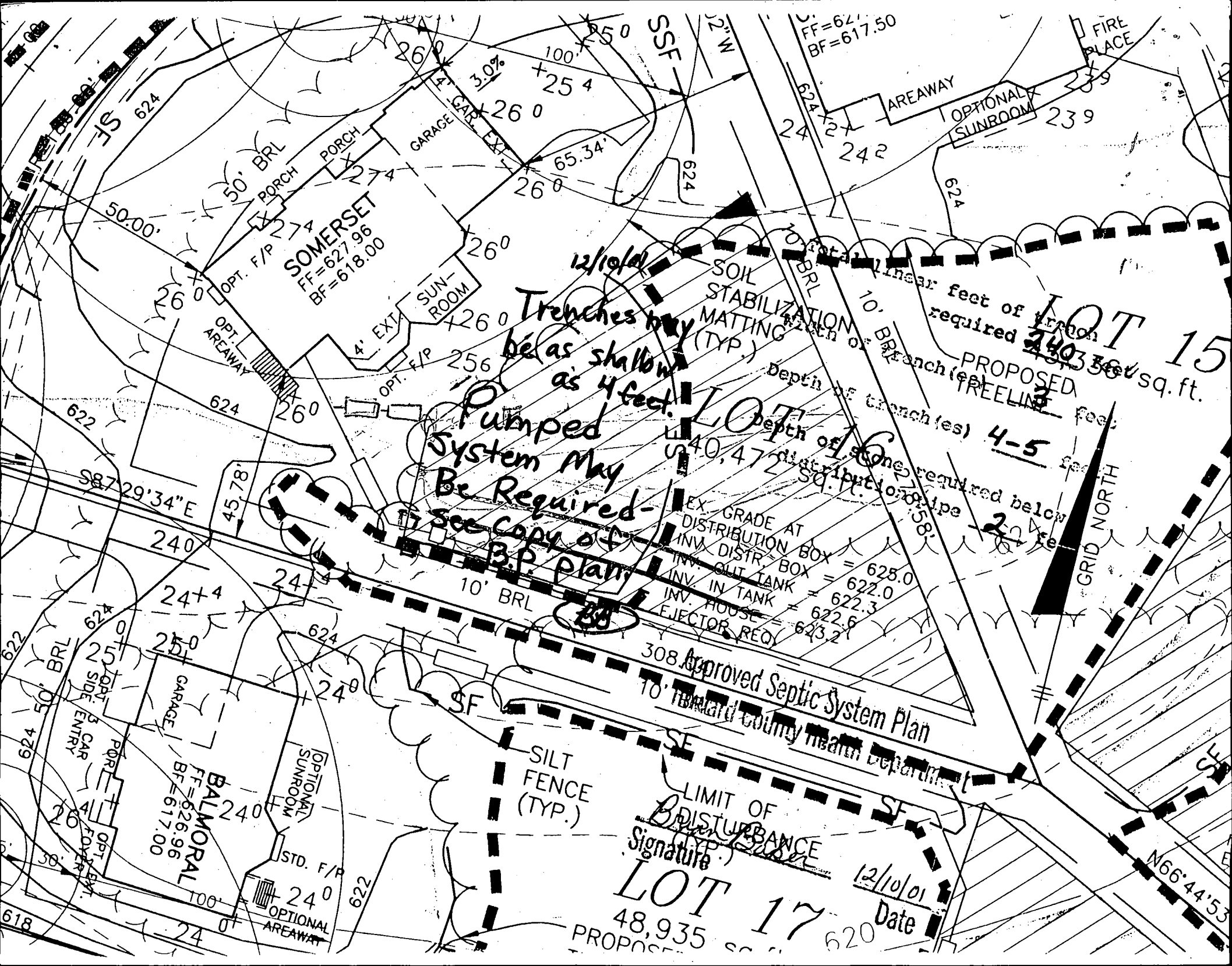
| TRENCH/DRAINFIELD DATA | | |
|-------------------------|-------|--------|
| WIDTH | INLET | BOTTOM |
| 3 | 2.5 | 4.5 |
| NUMBER OF TRENCHES | | 2 |
| TOTAL LENGTH | | 240 |
| ABSORPTION AREA | | |
| DISTRIBUTION BOX LEVEL | | ✓ |
| DISTRIBUTION BOX BAFFLE | | ✓ |
| DISTRIBUTION BOX PORT | | — |

| SEPTIC TANK DATA | |
|---------------------|----------|
| SEPTIC TANK 1 LEVEL | ✓ |
| CAPACITY | 1500 GAL |
| SEAM LOC | Top |
| TANK LID DEPTH | 10" |
| BAFFLES | 1/2 |
| BAFFLE FILTER | — |
| MANHOLE LOC | Front |
| 6" PORT LOC | N/A |
| WATERTIGHT TEST | — |
| SEPTIC TANK 2 LEVEL | |
| CAPACITY | — GAL |
| SEAM LOC | — |
| TANK LID DEPTH | — |
| BAFFLES | N/A |
| BAFFLE FILTER | N/A |
| MANHOLE LOC | — |
| 6" PORT LOC | — |
| WATERTIGHT TEST | — |

PRE-CONSTRUCTION 3/11/02 Need to replace stake closest to house. Contr. shot contours. Lines parallel to back right SRA line. Builder has to remove a basement window to get pipe house and (S) 3/12/02 After reviewing w/ MR. he recommends installing (2) 120" trenches. Met w/ contr. to relayout & check stakes (S)

INSTALLATION 3/29/02 OK to cover all work (S)

FINAL INSPECTOR Stuart Owen DATE OF APPROVAL 3/29/02



12/10/01
Trenches may
be as shallow
as 4 feet.
Pumped
System May
Be Required -
See Copy of
B.P. Plan

SOIL
STABILIZATION
MATTING
(TYP.)
Depth of
branch(es)
4-5
feet
Depth of
distribution
line
2-3
feet
Total linear feet of trench
required
2403.36
sq. ft.
PROPOSED
TREE LINE
Depth of
stone required below
type
2-3
feet

| | |
|------------------|---------|
| EX-GRADE AT | |
| DISTRIBUTION BOX | |
| INV. DISTR. BOX | = 628.0 |
| INV. 1ST TANK | = 622.0 |
| INV. 2ND TANK | = 622.3 |
| EJECTOR HOUSE | = 622.6 |
| EJECTOR REQ. | = 623.2 |

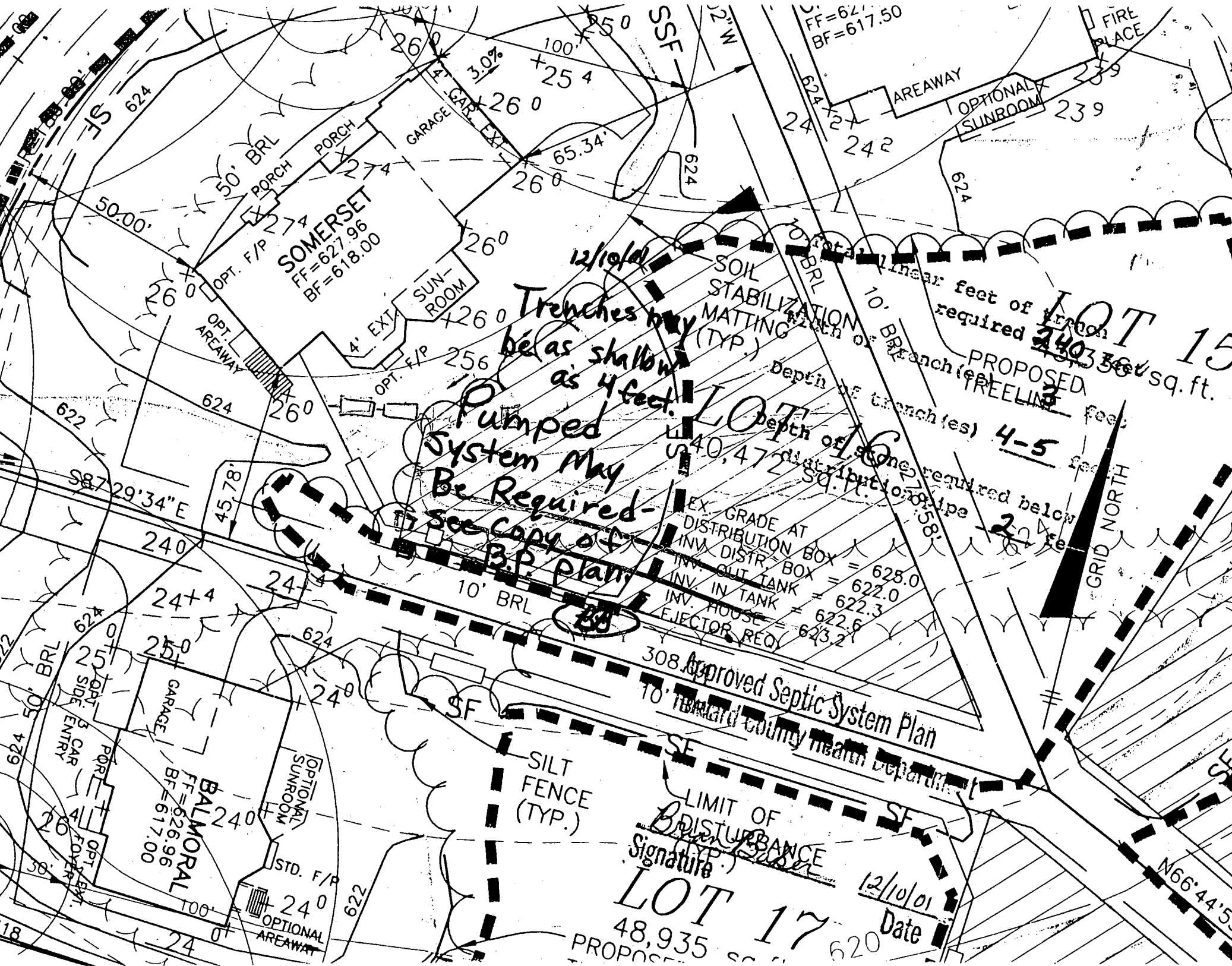
308 Approved Septic System Plan
10' Buried Rigid Pipe Main

SILT
FENCE
(TYP.)

LIMIT OF
DISTURBANCE
(TYP.)
Signature

LOT 17
48,935
PROPOSED

12/10/01
Date



5/7/02
AM

**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: Ben Lewis Telephone #: 3014883900
Address: 23407 Frederick Rd
Clarksville, MD 21031

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:
Name (Print): Mark Henkle License# 17867
*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: D.R. Horton Telephone #: 3016706144
Subdivision: Cherry Grove Lot #: 16 Well Tag #: HO-94-2726
Site Address: 16909 Old Sawmill Rd
Woodbine, MD

Submersible Pump Data **Pitless Adapter** **Well Cap and Electric Conduit**
Make: Suid Make: Perp Two piece watertight cap:
Model #: _____ Model#: _____ Screened, vented well cap:
Pump Capacity 1/2 GPM Depth: 42 (36" min) Cap secured to casing:
Well Yield: 3 GPM NSF approved: Conduit min 18" B.G.:
Depth of well encountered at time of pump installation: 36.5 (feet) Conduit secured to well cap:
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4
Torque arrestors or Cable guards are required - Must circle one
Safety rope, if used, attached to inside of well casing with eye bolt

Piping to house **House Connection**
Type: PVC 1" PVC sleeved to undisturbed soil at wall penetration:
PSI: 30 (160 psi min) Approximate length of sleeve: 36"
Depth of supply line: 30 (36" min) Sleeve caulked and sealed properly:

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.

Mark Henkle 5/6/02
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: 5/7/02 (SD)
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

C1 07865

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.

COUNTY NUMBER 13

ST/CO USE ONLY

DATE Received MM DD YY 8 13

DATE WELL COMPLETED

MM DD YY 10 19 2000

Depth of Well

22 265' 26 (TO NEAREST FOOT)

OK/CW 11/6/02

PERMIT NO. FROM "PERMIT TO DRILL WELL"

HO-94-2776

OWNER GROVE MONT DEVELOPMENT LLC STREET OR RFD OLD SAWMILL RD TOWN LISBON SUBDIVISION WESTWOODS AT CHERRY GROVE SECTION LOT 12

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, FEET (FROM, TO), check if water bearing. Includes entries for Brown Shale and Blue Rock.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y/N) TYPE OF GROUTING MATERIAL (Cement, Bentonite Clay) NO. OF BAGS, NO. OF POUNDS, GALLONS OF WATER, DEPTH OF GROUT SEAL

CASING RECORD

casings types insert appropriate code below (ST, CO, PL, OT) MAIN CASING TYPE, Nominal diameter, Total depth

OTHER CASING (if used)

Table for other casing with columns for diameter and depth

SCREEN RECORD

screen type or open hole (ST, BR, HO, PL, OT) insert appropriate code below

DEPTH (nearest ft.)

Table for depth measurements with columns for casing sections and slot size

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 (E.R.O.S.) W Q

70 72 74 75 76 TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3

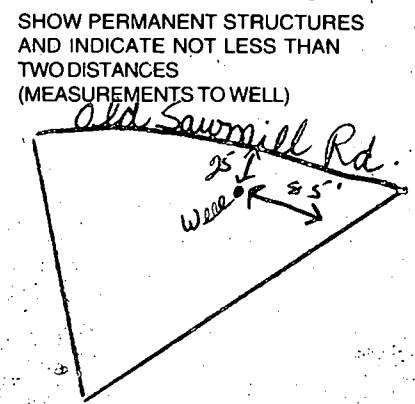
PUMPING TEST

HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 12 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 49 ft. WHEN PUMPING 80 ft. TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP (CIRCLE) (YES or 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) 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)

LOCATION OF WELL ON LOT



NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED YES (Y) NO (N)

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

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 MSD024 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. 1 D

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

B 1 5968

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

STATE PERMIT NUMBER

40-94-2776

W 514154 please print or type

fill in this form completely

Date Received (APA)

OWNER INFORMATION

8 MM DD YY 13

Government Development LLC

P.O. Box 417

Elliott City Md 21041

B 3

LOCATION OF WELL

Howard

The Westwoods of Cherry Grove

SECTION 44 LOT 12

Lisbon

MILES FROM TOWN (enter 0 if in town) 5

DRILLER INFORMATION

Joseph L. Mayne MS D024

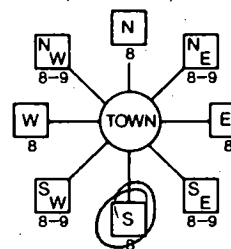
Joseph L. Mayne Well Drilling

5512 Ridge Rd. Mt. Airy 21771

Joseph L. Mayne 7/26/2008

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Old Sawmill Rd

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

25

ENTER FT OR MI

TAX MAP: BLK: PARCEL

WELL INFORMATION

APPROX. PUMPING RATE 5

AVERAGE DAILY QUANTITY NEEDED 500

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

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard 13

COUNTY NAME COUNTY NO

STATE SIGNATURE INSERT S

DATE ISSUED 08 09 00

SIGNATURE EXP. DATE

NORTH GRID 532 000 EAST GRID 0771 000

APPROXIMATE DEPTH OF WELL 300 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

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- This well will not replace an existing well (circled)
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-contact local approving authority for policy on standby wells
This well will deepen an existing well

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

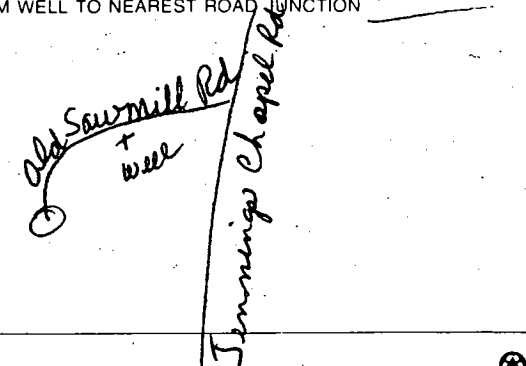
- Well

WRITE THE BOX NUMBER FROM THE MAP HERE

770-1

530-2

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



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

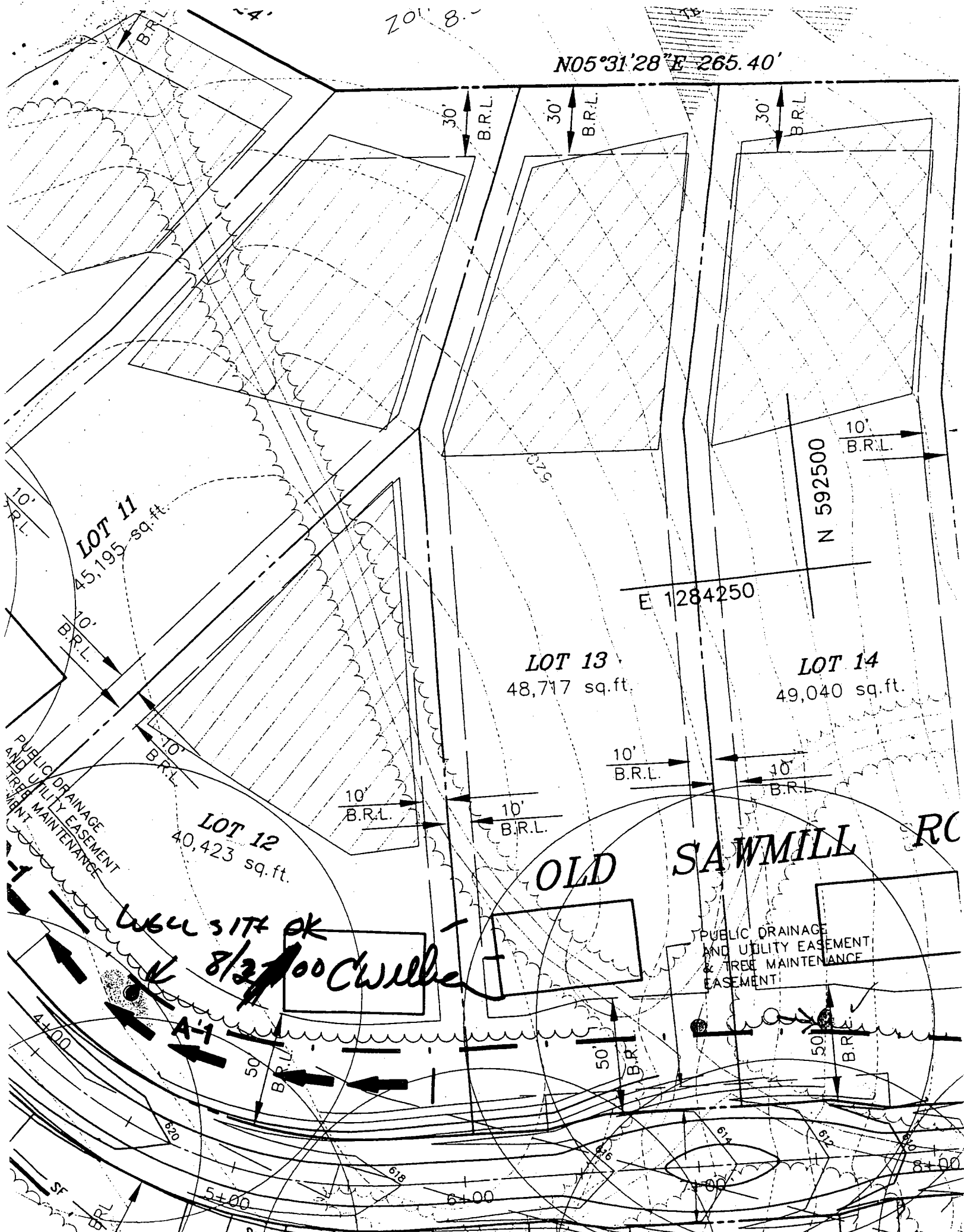
APPROX. PERMIT NUMBER

PERMIT No. 40-94-2776

SPECIAL CONDITIONS

N05°31'28"E 265.40'

20' 8"



LOT 11
45,195 sq. ft.

LOT 13
48,717 sq. ft.

LOT 14
49,040 sq. ft.

LOT 12
40,423 sq. ft.

LUBEL SITE OK
8/2/00 CWL

OLD SAWMILL RC

PUBLIC DRAINAGE AND UTILITY EASEMENT & TREE MAINTENANCE EASEMENT

N 592500

E 1284250

10' B.R.L.

10' B.R.L.

10' B.R.L.

10' B.R.L.

10' B.R.L.

10' B.R.L.

10' B.R.L.

30' B.R.L.

30' B.R.L.

30' B.R.L.

50' B.R.L.

50' B.R.L.

50' B.R.L.

10' B.R.L.

5+00

6+00

7+00

8+00

PUBLIC DRAINAGE AND UTILITY EASEMENT & TREE MAINTENANCE EASEMENT

PUBLIC DRAINAGE AND UTILITY EASEMENT & TREE MAINTENANCE EASEMENT

APPLICATION

PERCOLATION TESTING

A _____

P _____

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

DISTRICT _____

DATE _____

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 MARSHALL W. NICHOLS
ADDRESS 2937 JENNINGS CHAPEL ROAD
WOODBRINE, MD 21797 PHONE _____

AGENT OR PROSPECTIVE BUYER DAVID E. WILKINSON @ MACRO LTD. REAL ESTATE SERVICES
ADDRESS 5301 BUCKEYSTOWN PIKE, SUITE 300
FREDERICK, MD 21704 PHONE (301) 698-9696

PROPERTY LOCATION:

IBDIVISION NICHOLS' PROPERTY LOT NO. _____

ROAD AND DESCRIPTION JENNINGS CHAPEL ROAD, HOWARD COUNTY

TAX MAP 13 PARCEL # P/0 46
SIZE OF LOT 40,000 - 60,000 sq. ft. TYPE BLDG. SINGLE FAMILY DWELLING
(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]
(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

COUNTY #

SOIL PROFILE # 105

0'

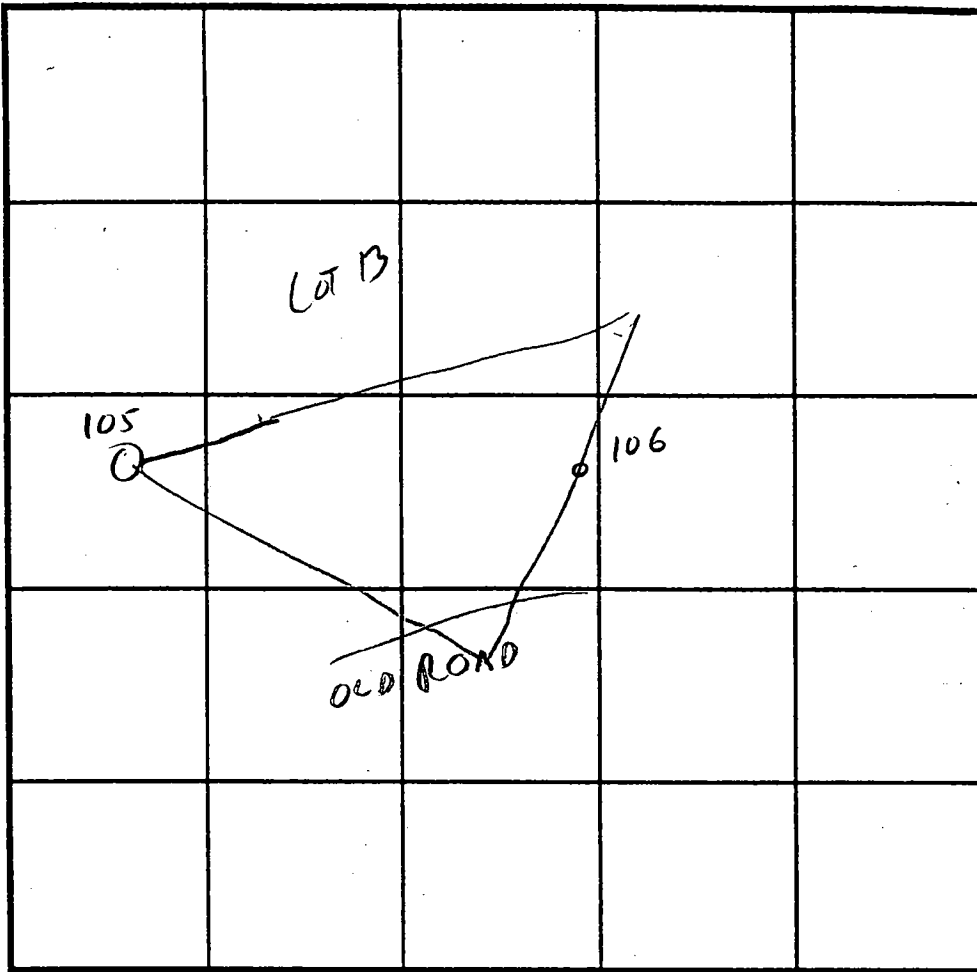
CLAY

3'

TAN
BEIGE
LOAM

5%
SAPPROLITE

12'



SOIL PROFILE

0'

#106

3'

CLAY

SILT
LOAM

20-30%
SAPPROLITE

EVENLY
DISTRIBUTED

12'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

| DATE | TEST NO. | DEPTH | PRE-WET | | TEST - 1" DROP | | TIME |
|---------|----------|--------|---------|------|----------------|------|------|
| | | | START | STOP | START | STOP | |
| 3/17/99 | 105 | 3 | 3:30 | 3:32 | 3:32 | 3:35 | 3min |
| | | vis ok | 3-12' | | | | |
| | 106 | 3 | 3:33 | 3:35 | 3:35 | 3:38 | 3min |
| | | vis ok | 3-12' | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

REMARKS _____

TYPE OF SOIL _____

TESTED BY Cwell ALSO PRESENT N SHARP

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

APPLICATION

PERCOLATION TESTING

A _____

P _____

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

DISTRICT _____

DATE _____

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

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2937 JENNINGS CHAPEL ROAD
ADDRESS WOODRINE, MD 21797 PHONE _____

AGENT OR PROSPECTIVE BUYER DAVID E. WILKINSON @ MACRO LTD. REAL ESTATE SERVICES
5301 BUCKEYSTOWN PIKE, SUITE 300
ADDRESS FREDERICK, MD 21704 PHONE (301) 698-9696

PROPERTY LOCATION:

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ROAD AND DESCRIPTION JENNINGS CHAPEL ROAD, HOWARD COUNTY

TAX MAP 13 PARCEL # P/D 46
SIZE OF LOT 40,000 - 60,000 sq. ft. TYPE BLDG. SINGLE FAMILY DWELLING
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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(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 _____

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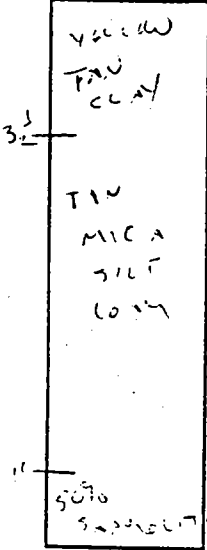
THIS IS NOT A PERMIT

NICHOLS SUBD.

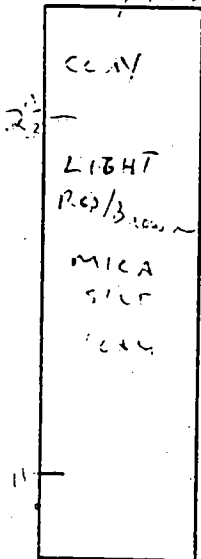
159946

COUNTY #

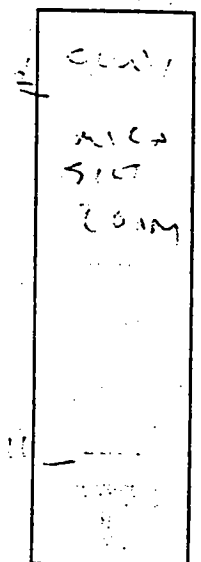
SOIL PROFILE
17B



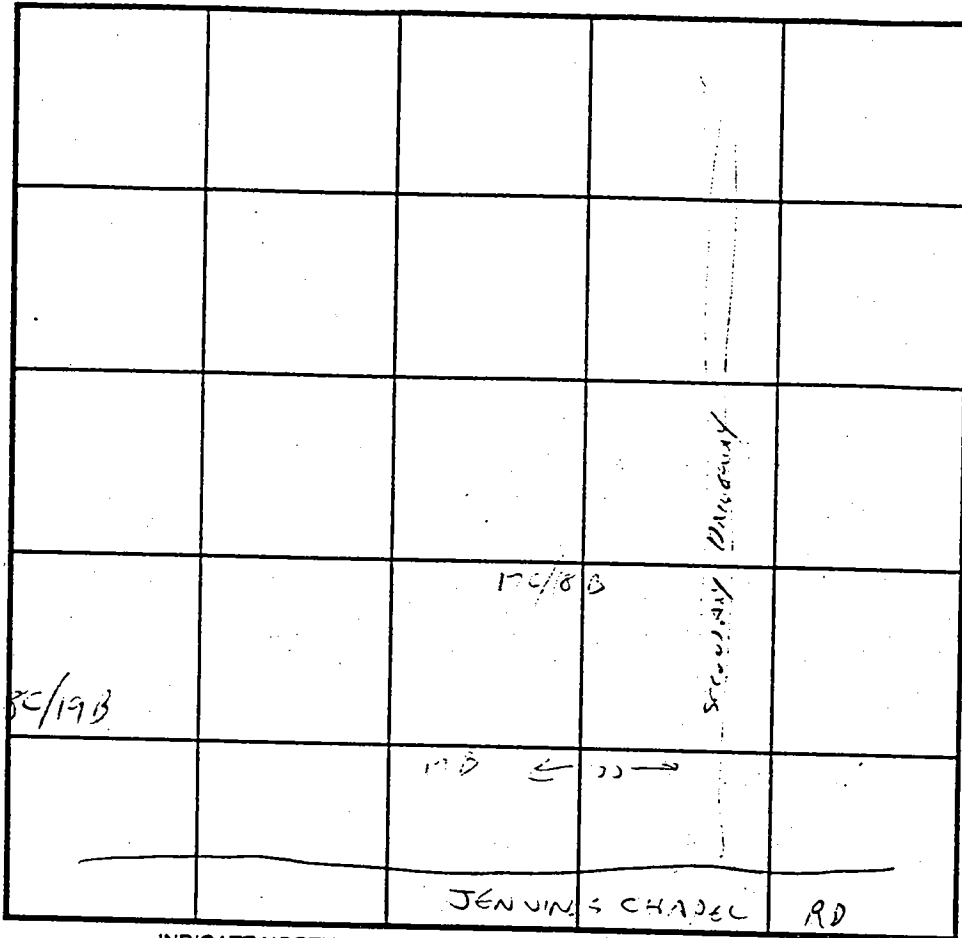
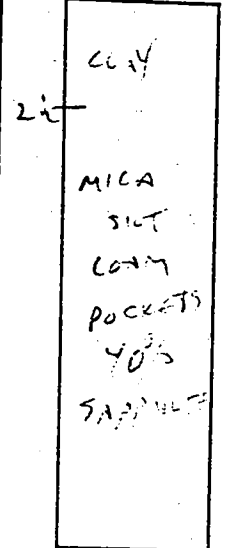
17C/18B + 18C/19B



19C/20A



SOIL PROFILE
209/21A



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

| DATE | TEST NO. | DEPTH | PRE-WET | | TEST - 1" DROP | | TIME |
|---------|----------|-------|---------|------|----------------|------|-------|
| | | | START | STOP | START | STOP | |
| 4/16/98 | 17B | 3 1/2 | 4:00 | 4:03 | 4:03 | 4:07 | 4 MIN |
| | 17C/18B | 3 1/2 | 4:03 | 4:06 | 4:06 | 4:11 | 5 MIN |
| | 18C/19B | 3 1/2 | 4:04 | 4:06 | 4:06 | 4:09 | 3 MIN |
| | 19C/20A | 3 1/2 | 4:13 | 4:15 | 4:15 | 4:18 | 3 MIN |
| | 209/21A | 3 1/2 | 4:11 | 4:14 | 4:14 | 4:18 | 4 MIN |

REMARKS _____

TYPE OF SOIL _____

TESTED BY C. Williams ALSO PRESENT SHARP

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

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A _____

P _____

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IBDIVISION NICHOLS' PROPERTY LOT NO. _____
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SIZE OF LOT 40,000 - 60,000 sq. ft. TYPE BLDG. SINGLE FAMILY DWELLING
(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. X

[Signature]
(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

NICHOLS 5030.

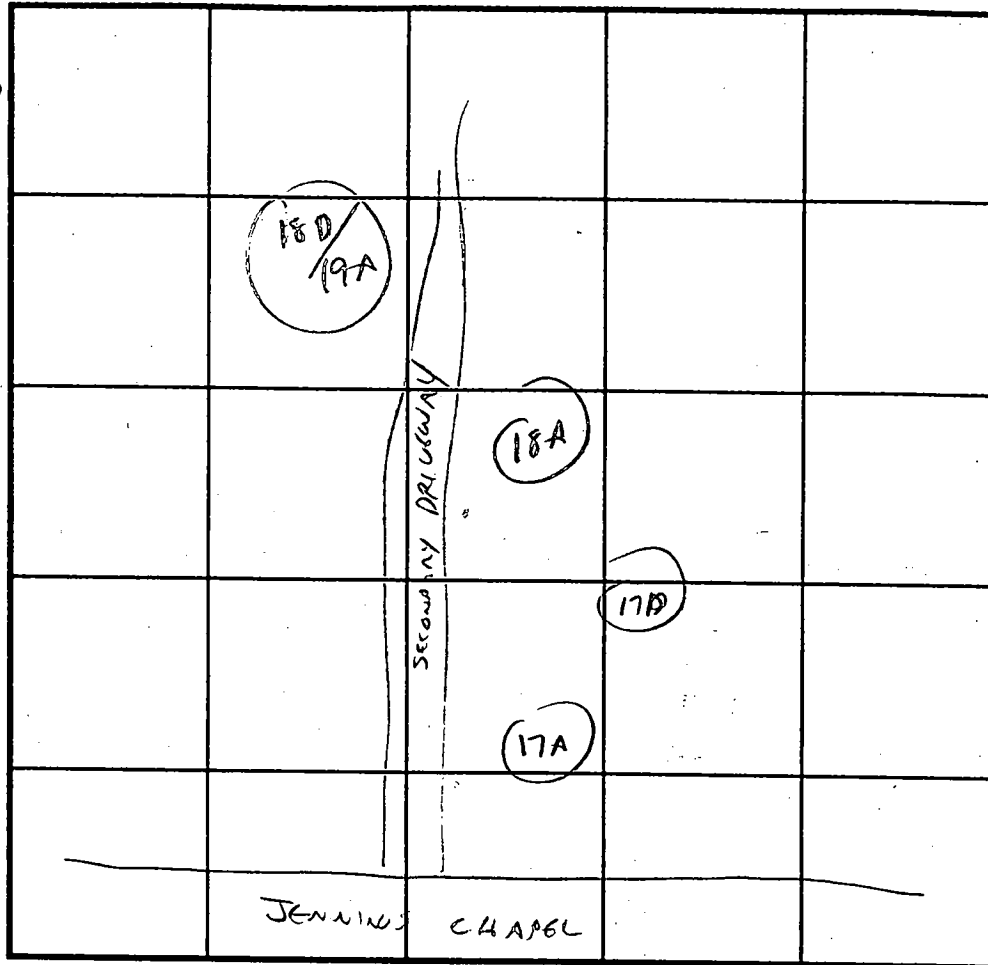
159946

COUNTY #

SOIL PROFILE

17A & 17D

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

| DATE | TEST NO. | DEPTH | PRE-WET | | TEST - 1" DROP | | TIME |
|---------|-----------|--------|---------|------|----------------|------|-------|
| | | | START | STOP | START | STOP | |
| 4/16/98 | ✓ 17A | 4' | 4:00 | 4:02 | 4:02 | 4:05 | 3 MIN |
| | ✓ 17D | 4' | 3:59 | 4:01 | 4:01 | 4:04 | 3 MIN |
| | ✓ 18A | 4' | 3:58 | 3:59 | 3:59 | 4:01 | 2 MIN |
| | ✓ 180/19A | 3 1/2' | 3:56 | 3:58 | 3:58 | 4:00 | 3 MIN |

REMARKS _____

TYPE OF SOIL _____

TESTED BY Cwill ALSO PRESENT SHARP

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

3 1/2' → CLAY
 RED BROWN + TAN
 MICA
 SILT
 COAR
 POCKETS 30%
 SAPPROLITE VARIOUS DEPTHS

18A

4 → BROWN CLAY
 TAN
 MICA
 SILT
 COAR
 50% SHARP
 MICA
 COAR
 LITTLE SAPPROLITE

180/19A

3 → CLAY
 LT BROWN
 MICA
 COAR
 50%
 SAPPROLITE



LOT 9
OK
8/26/99

LOT 14
49,040 sq. ft.

LOT 15
52,787 sq. ft.

LOT 16
48,382 sq. ft.

LOT 18
3,000 sq. ft.

LOT 17
Open Space
135,210 sq. ft.

home b
home a

SM.M. PROPERTY AND UTILITY EASEMENT
S.W.P. DRAINAGE

ROAD "B"

S64°46'45"E 225.36
F.C.E. home

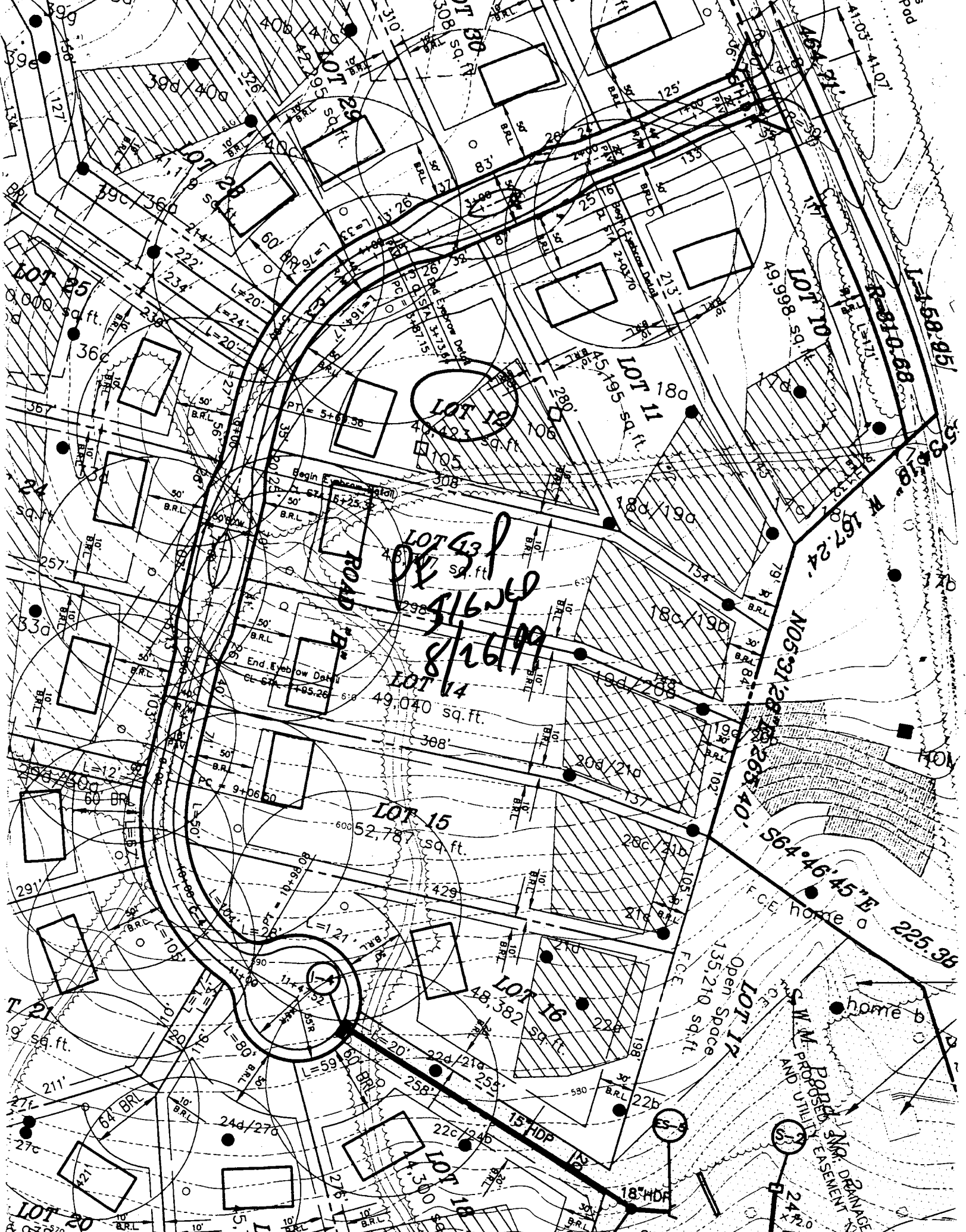
N05°31'28"E 265.40'

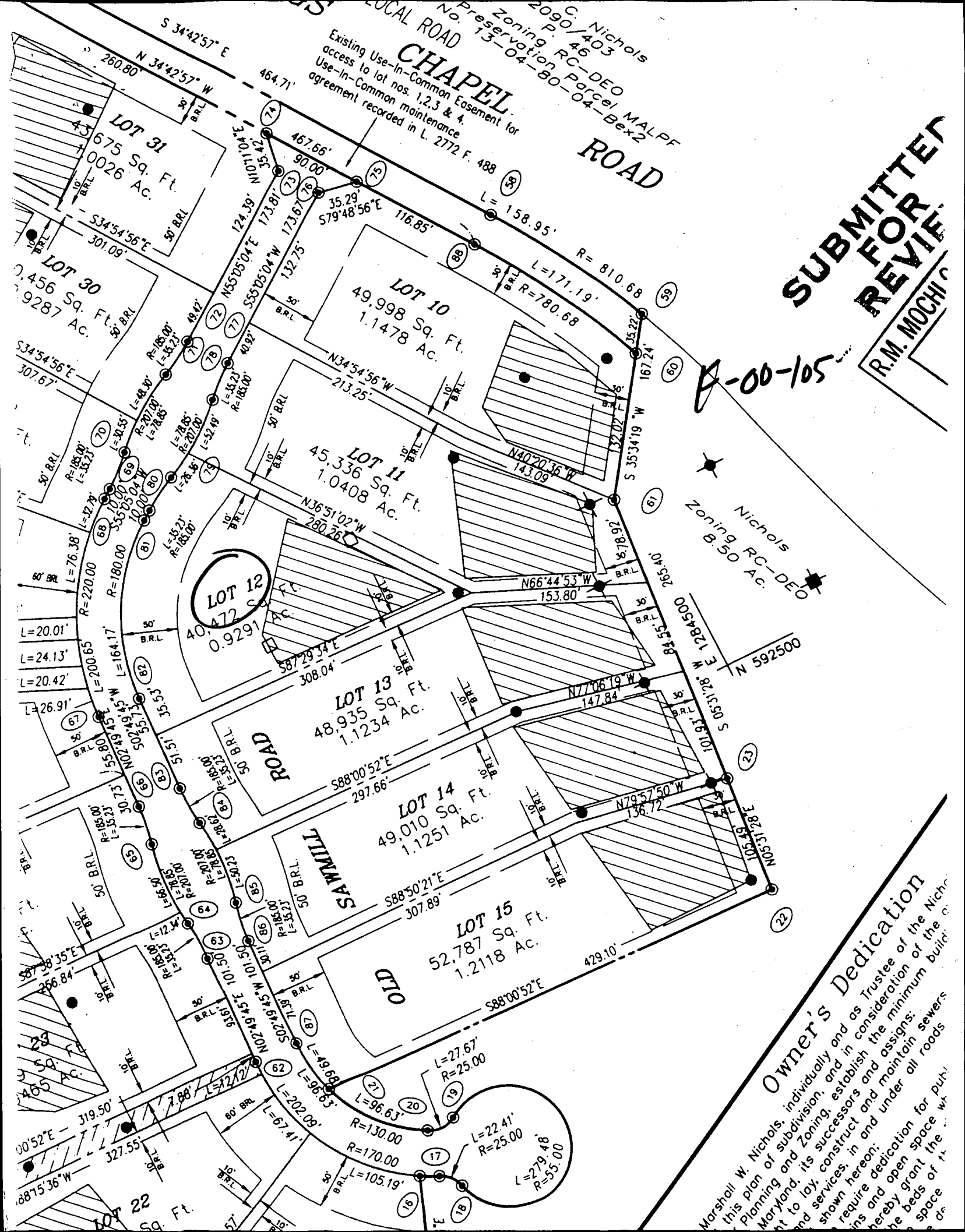
LOT 10
49,998 sq. ft.

LOT 11
45,195 sq. ft.

N16°27'24"

L=168.951
R=910.68
L=171.





SUBMITTED FOR REVIEW

R.M. MOCHIC

A-00-105

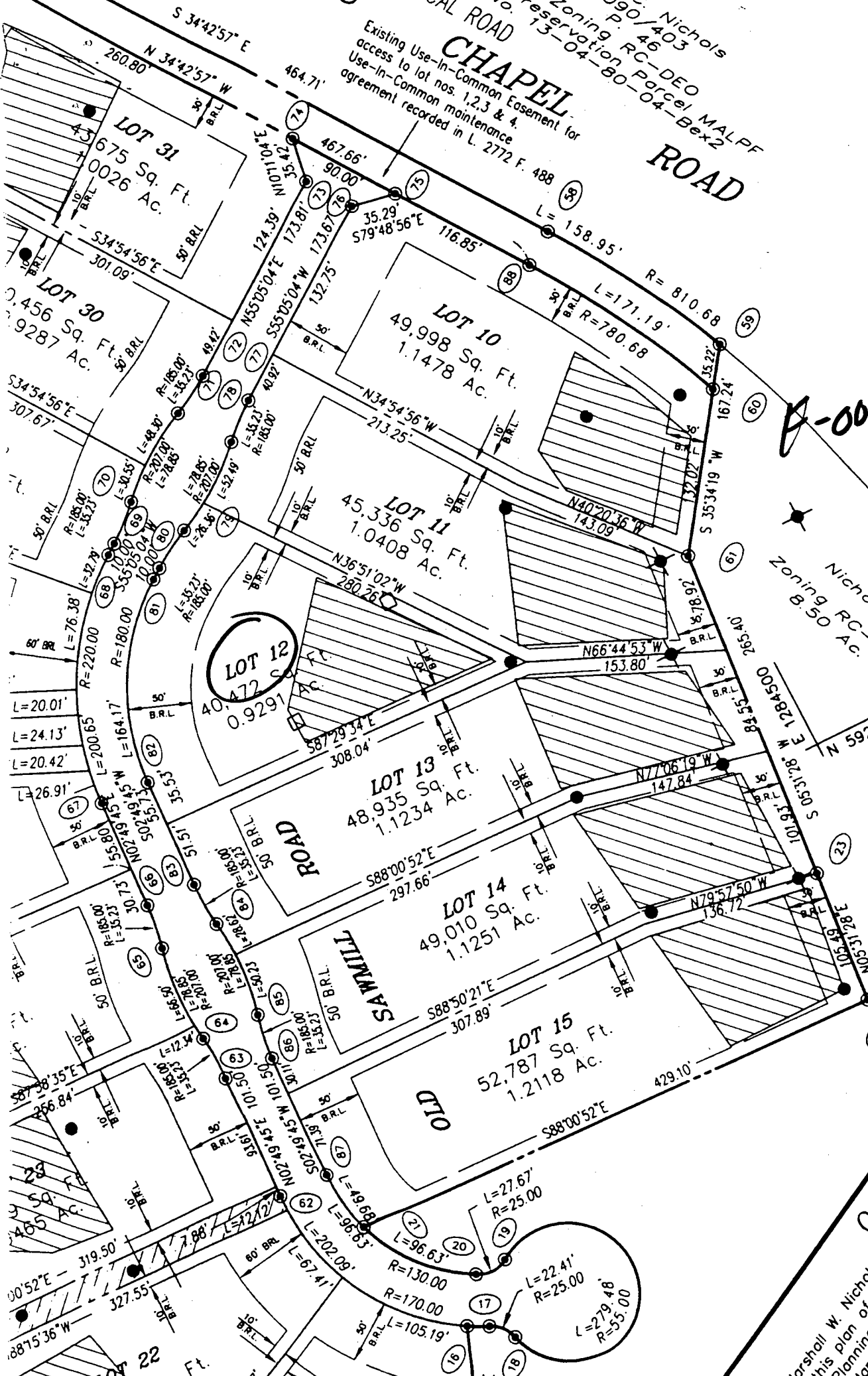
Owner's Dedication

Marshall W. Nichols, individually and as Trustee of the Nichols Planning and Zoning, establish in consideration of the c. Maryland, its successors and assigns, to lay, construct and maintain sewers and services, in and under all roads shown hereon; require dedication for public use and open space whereby grant the space of the beds of the roads.

Existing Use-In-Common Easement for access to lot nos. 1,2,3 & 4. Use-In-Common maintenance agreement recorded in L. 2772 F. 488

CHAPEL ROAD

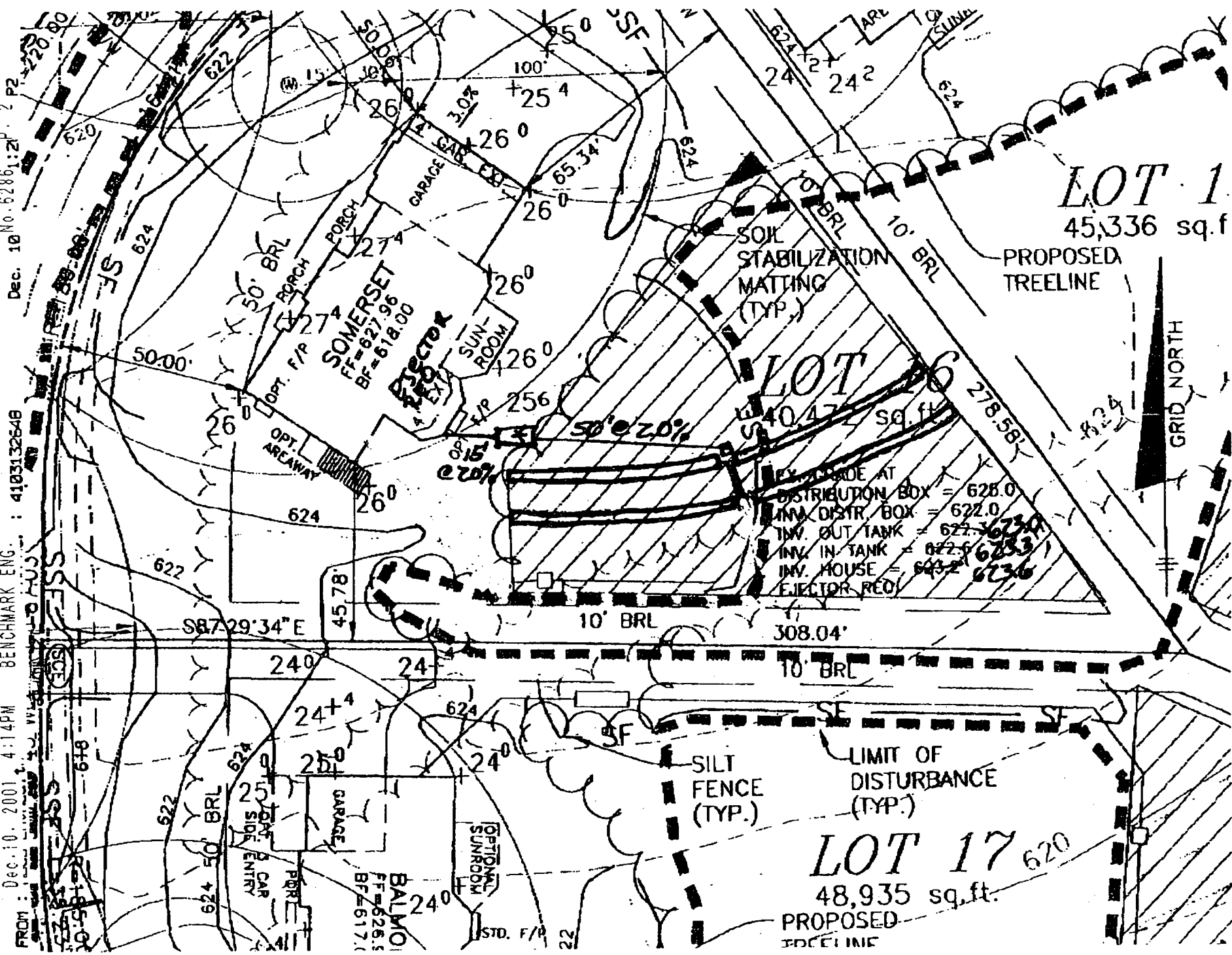
Nichols
Zoning RC-DEO
8.50 Ac.



Dec. 10, 2001 4:14PM

BENCHMARK ENG. : 4103132648

FROM : ...



LOT 1

45,336 sq. ft.

PROPOSED TREELINE

SOIL STABILIZATION MATTING (TYP.)

LOT 6

640.472 sq. ft.

KEY CODE AT DISTRIBUTION BOX = 628.0
 INV. DIST. BOX = 622.0
 INV. OUT TANK = 627.0
 INV. IN TANK = 622.6
 INV. HOUSE = 643.2
 EJECTOR REQ.

GRID NORTH

SILT FENCE (TYP.)

LIMIT OF DISTURBANCE (TYP.)

LOT 17

48,935 sq. ft.

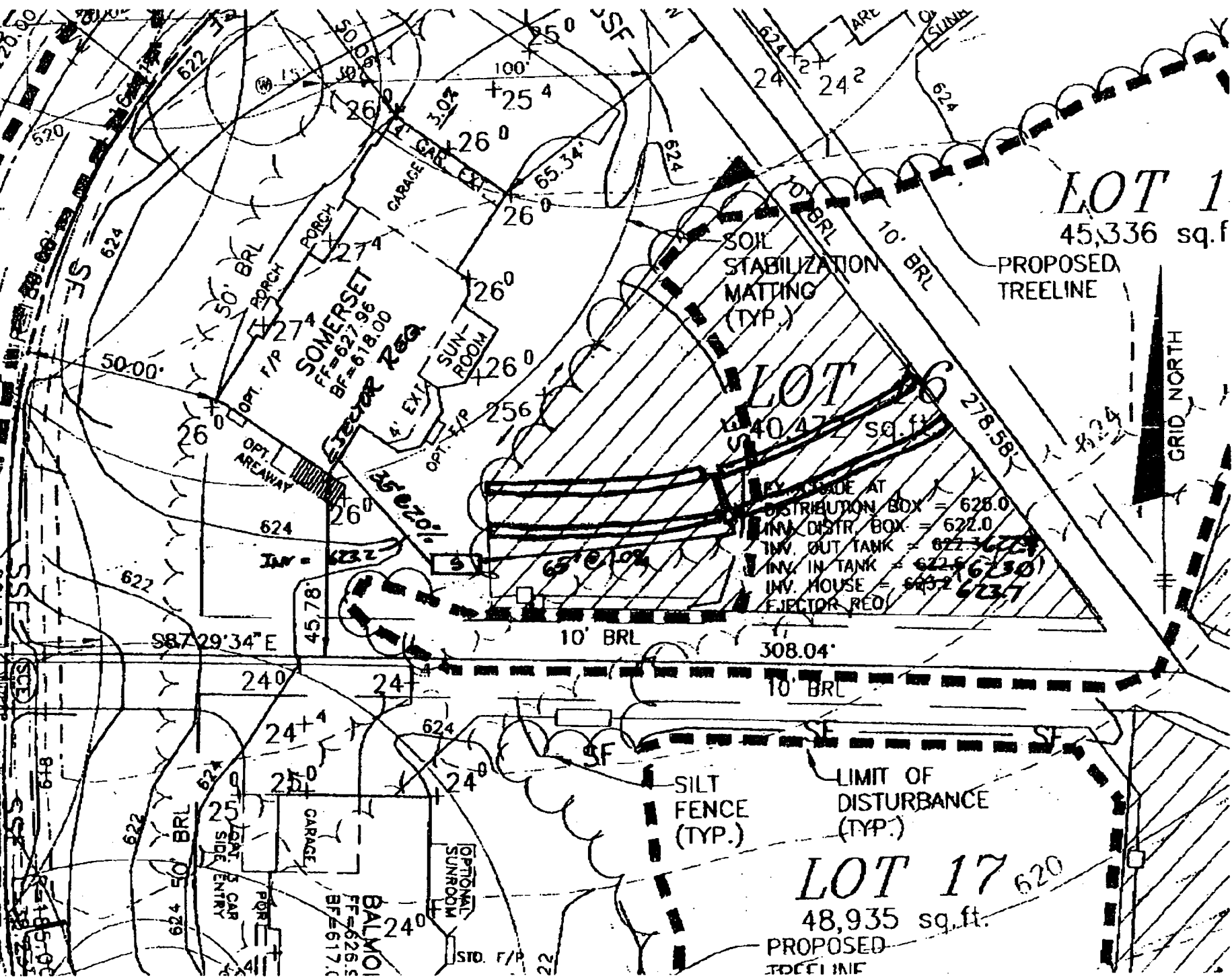
PROPOSED TREELINE

Dec. 10. 2001 4:15PM

BENCHMARK ENG., : 4103132648

FROM : Dec. 10. 2001 4:15PM

Dec. 10. 2001 4:15PM



LOT 1

45,336 sq. ft.

PROPOSED TREELINE

LOT 6

40,472 sq. ft.

- SEWER REG. AT DISTRIBUTION BOX = 628.0
- INV. IN TANK = 622.0
- INV. OUT TANK = 622.3
- INV. HOUSE = 623.2
- EJECTOR REG. = 623.7

GRID NORTH

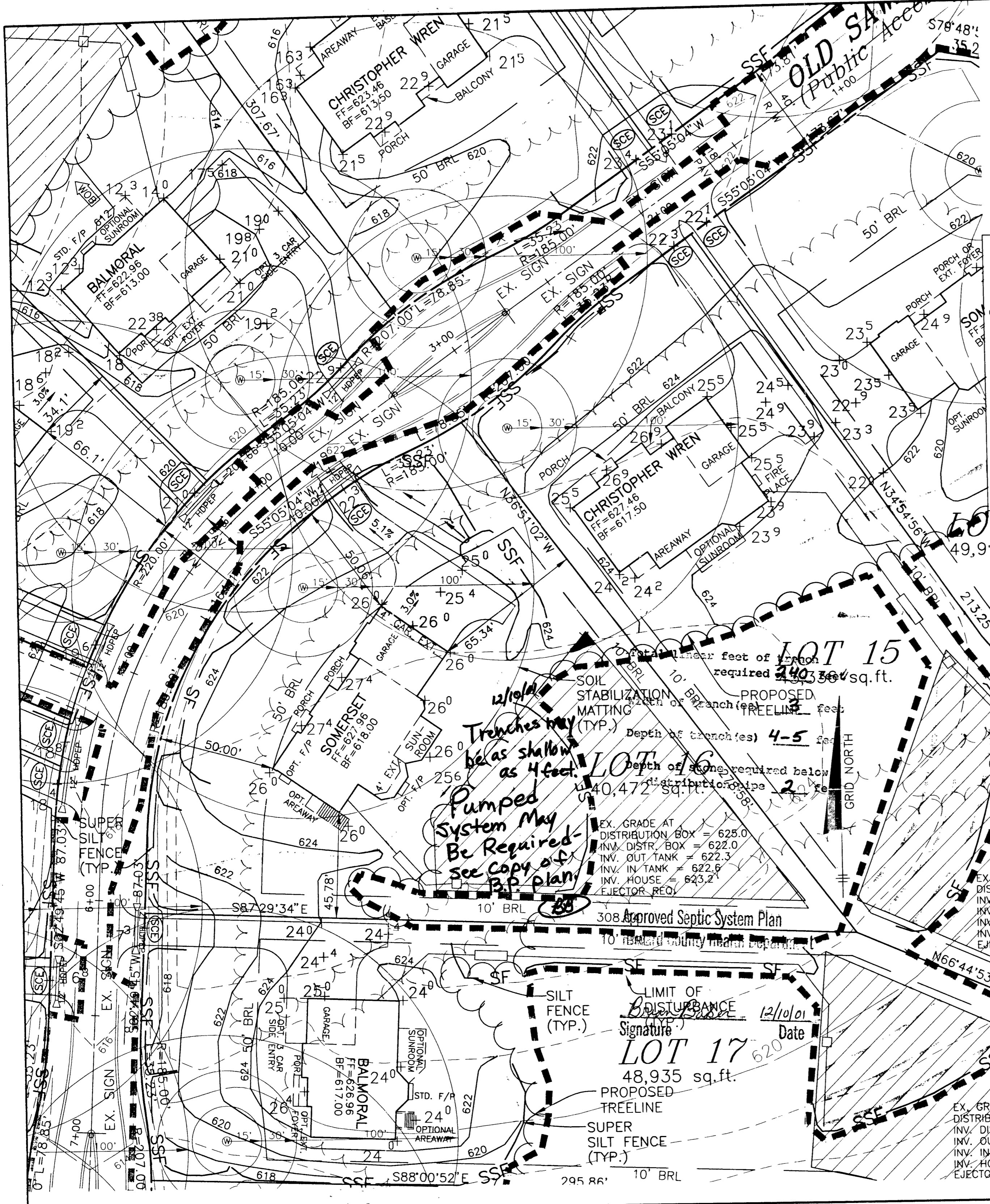
SILT FENCE (TYP.)

LIMIT OF DISTURBANCE (TYP.)

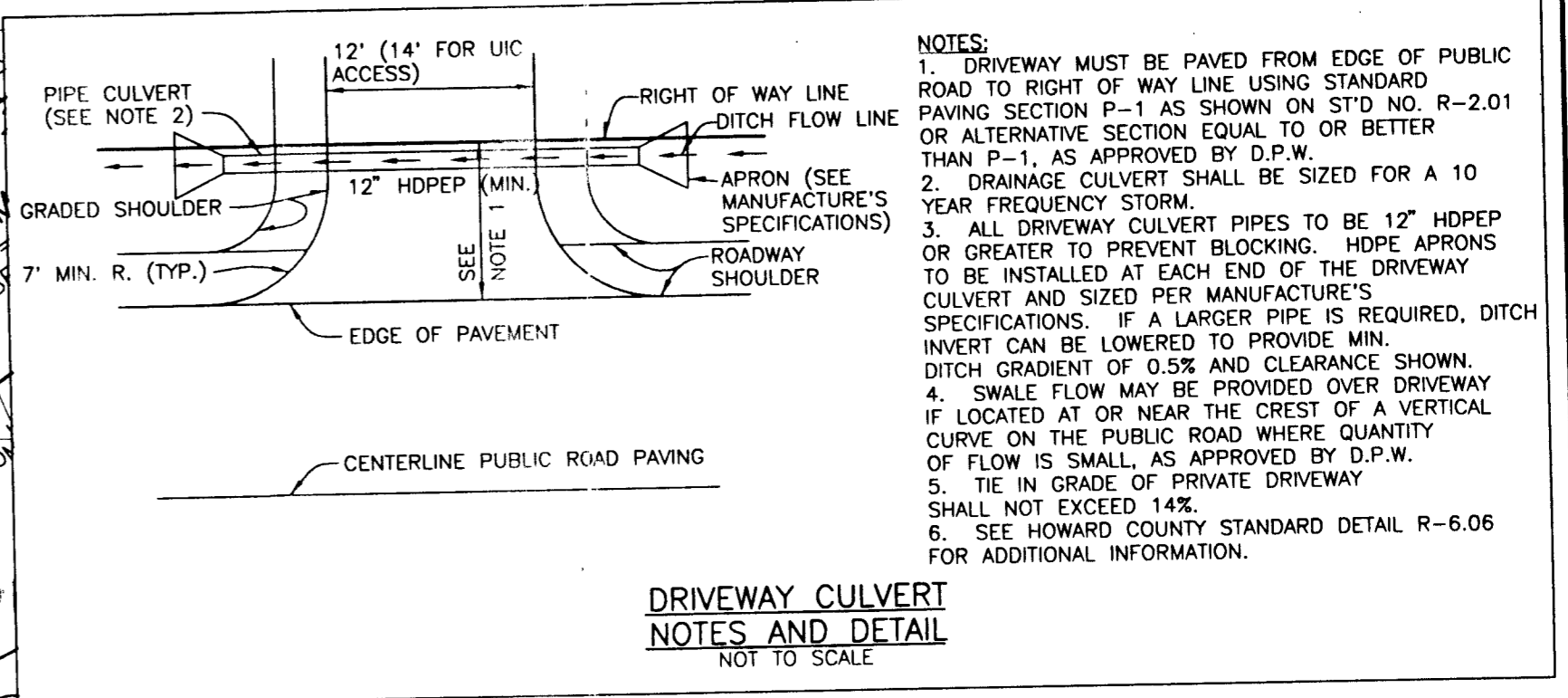
LOT 17

48,935 sq. ft.

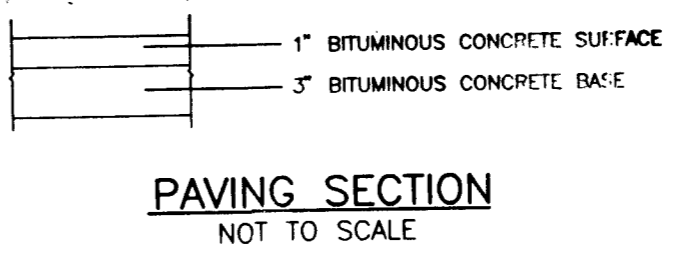
PROPOSED TREELINE



- NOTES:**
1. THE LOT SHOWN HEREON WAS RECORDED ON PLAT NUMBER 14810, REFER TO THE PLAT FOR LOT DIMENSIONS, LOT AREAS, ALL EASEMENTS AND BUILDING RESTRICTIONS.
 2. THIS AREA DESIGNATED AS PRIVATE SEWERAGE SERVICE AREA IS RESTRICTED UNTIL PUBLIC SEWER 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 COUNTY SOIL CONSERVATION DISTRICT UNDER GP-01-192 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.
 9. DRIVEWAY CULVERTS WERE DESIGNED FOR THIS SUBDIVISION UNDER F-00-105.



- 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



12/10/01
Trenches may be as shallow as 4 feet.
Pumped System May Be Required - see copy of P.P. plan

LOT 15
40,336 sq. ft.
LOT 16
40,472 sq. ft.

EX. GRADE AT DISTRIBUTION BOX = 625.0
INV. DISTR. BOX = 622.0
INV. OUT TANK = 622.3
INV. IN TANK = 622.6
INV. HOUSE = 623.2
EJECTOR REQ.

Approved Septic System Plan
Signature: *[Signature]*
Date: *12/10/01*

LOT 17
48,935 sq. ft.

| 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: tenchmark@cois.com

| | |
|---|--|
| <p>OWNER/BUILDER: D.R. HORTON, INC. SUITE 230 1370 PICCARD DRIVE ROCKVILLE, MARYLAND 20850 1-301-670-6144</p> | <p>PROJECT: THE WESTWOODS AT CHERRY GROVE LOT 16</p> <p>LOCATION: 16909 OLD SAWMILL COURT LIBSON, MD 21797 TAX MAP 13 - BLOCK 15 - PARCELS 140, 141, 142 AND P/O PARCEL 46 4th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND</p> <p>TITLE: PERMIT PLAN</p> <p>HOUSE TYPE: SOMERSET</p> <p>DATE: OCTOBER 2, 2001 PROJECT NO. 1431</p> |
| DESIGN: JMC | DRAFT: JMC |
| SCALE: 1" = 30' | DRAWING 1 OF 1 |