

LAYOUT 9/27/02 10:30 INSP 4 10/9/02 2:30
 INSP 2 10/02/02 11:00 INSP 5 10/11/02 2:30
 INSP 3 10/8/02 2:00 INSP 6 10/15/02 2:00 pm

ISSUE DATE: 9/20/2002

P 517926

APPROVAL DATE: 10/15/02

A 510572-S

**PERMIT
INDEXED**

RPS
338789

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

South Carroll Backhoe, Inc IS PERMITTED TO INSTALL ALTER

ADDRESS: #10 Salem Bottom Road, 21157 PHONE NUMBER: 410-875-⁴¹⁹⁷~~0326~~

SUBDIVISION: Brantwood 3/2 LOT NUMBER: # 27

ADDRESS: 11340 Cotswold Spring Farm Lane PROPERTY OWNER: NVR, 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: 210

LINEAR FEET OF TRENCH REQUIRED: 280 HOUSE SERVED BY PUBLIC WATER

| | |
|-----------|---|
| TRENCHES: | Trench to be 3.0 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 5.5 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. |
| NOTES: | Septic contractor to verify 100' well radius prior to installing 40' trench out of area. |

PLANS APPROVED: Steven R. Krieg OK 8/6/02 (SC) DATE: 6/26/2002

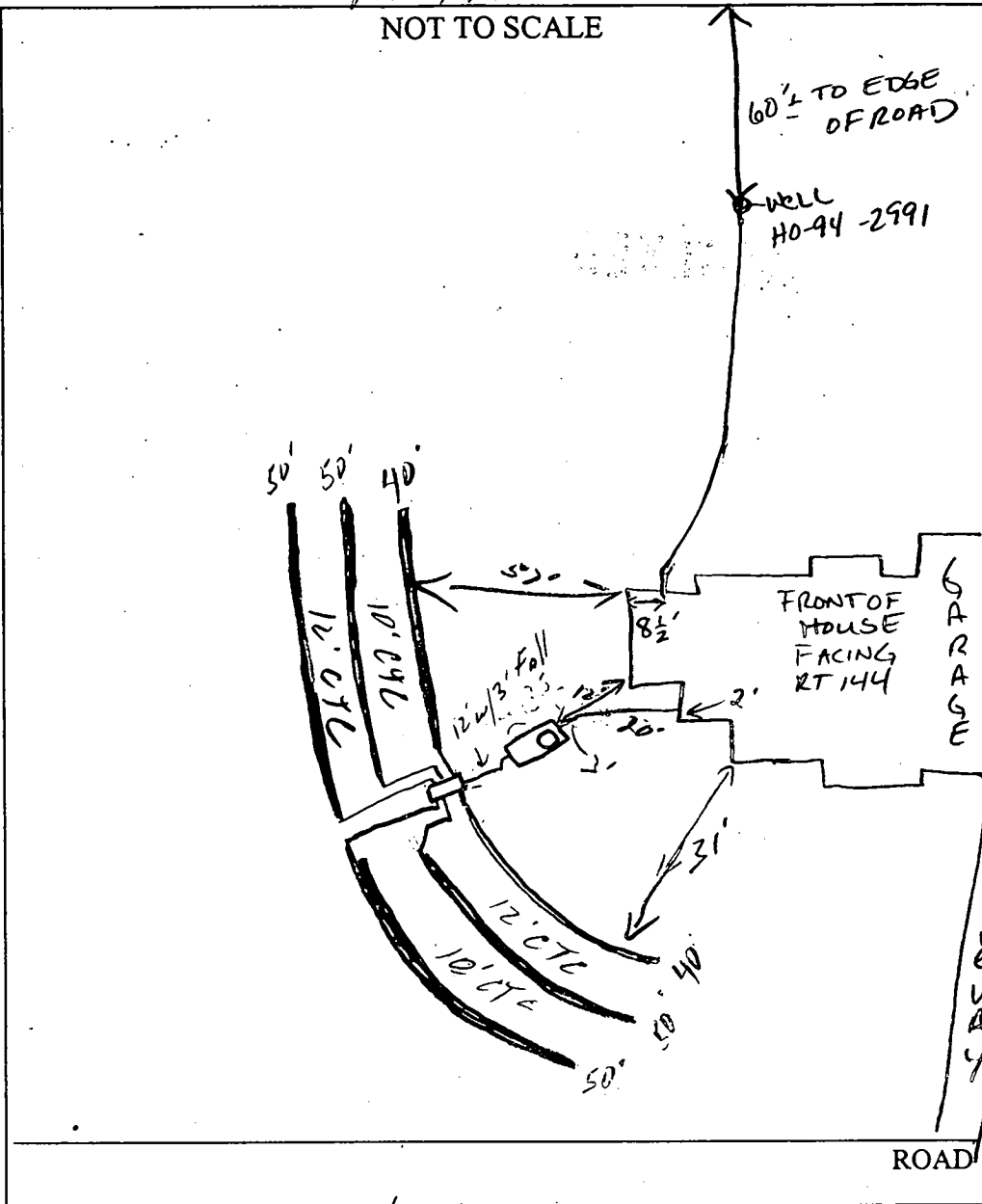
NOTES: PERMIT VOID AFTER 2 YEARS
 CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
 WATERTIGHT SEPTIC TANKS REQUIRED
 ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED
 MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS 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
 ALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM**

A 510572-S

RT 144

NOT TO SCALE



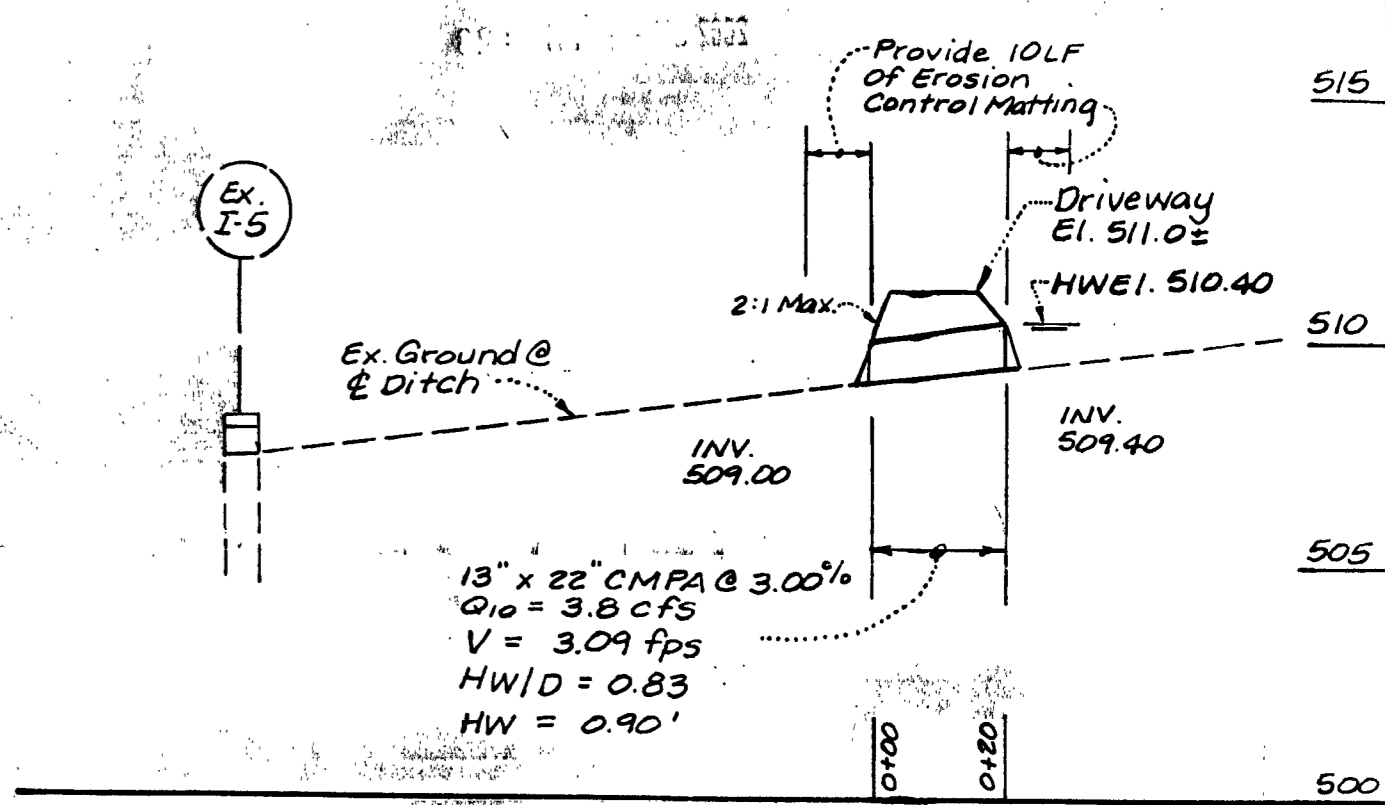
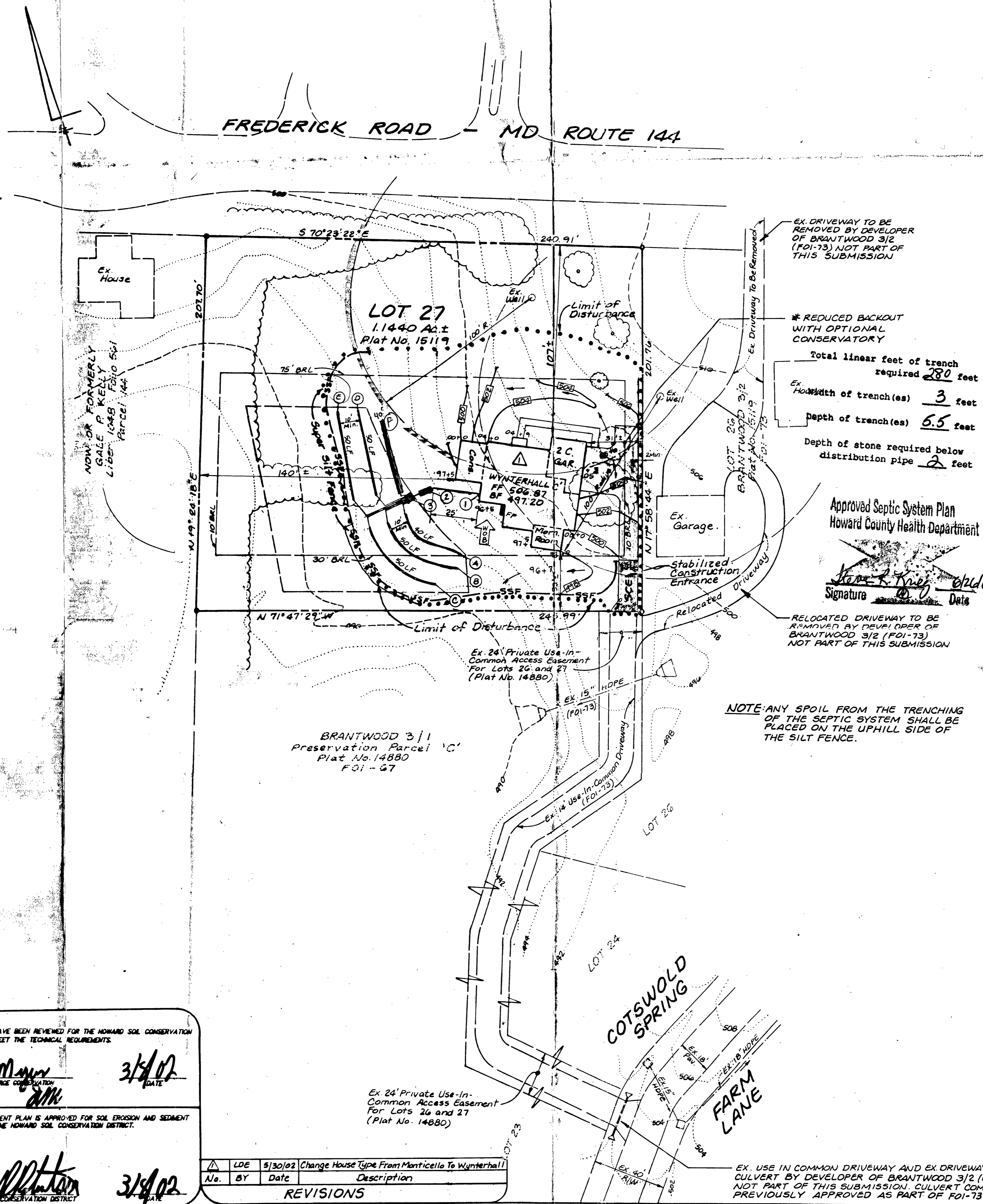
| TRENCH/DRAINFIELD DATA | | |
|-------------------------------|-------|--------|
| WIDTH | INLET | BOTTOM |
| _____ | _____ | _____ |
| NUMBER OF TRENCHES _____ | | |
| TOTAL LENGTH _____ | | |
| ABSORPTION AREA _____ | | |
| DISTRIBUTION BOX LEVEL _____ | | |
| DISTRIBUTION BOX BAFFLE _____ | | |
| DISTRIBUTION BOX PORT _____ | | |

| SEPTIC TANK DATA | |
|---|-------------------------------------|
| SEPTIC TANK 1 LEVEL <input checked="" type="checkbox"/> | |
| CAPACITY | 1250 GAL |
| SEAM LOC | Top |
| TANK LID DEPTH | 1.5' |
| BAFFLES | <input checked="" type="checkbox"/> |
| BAFFLE FILTER | _____ |
| MANHOLE LOC | Front |
| 6" PORT LOC | _____ |
| WATERTIGHT TEST | _____ |
| SEPTIC TANK 2 LEVEL _____ | |
| CAPACITY | _____ GAL |
| SEAM LOC | _____ |
| TANK LID DEPTH | _____ |
| BAFFLES | _____ |
| BAFFLE FILTER | _____ |
| MANHOLE LOC | _____ |
| 6" PORT LOC | _____ |
| WATERTIGHT TEST | _____ |

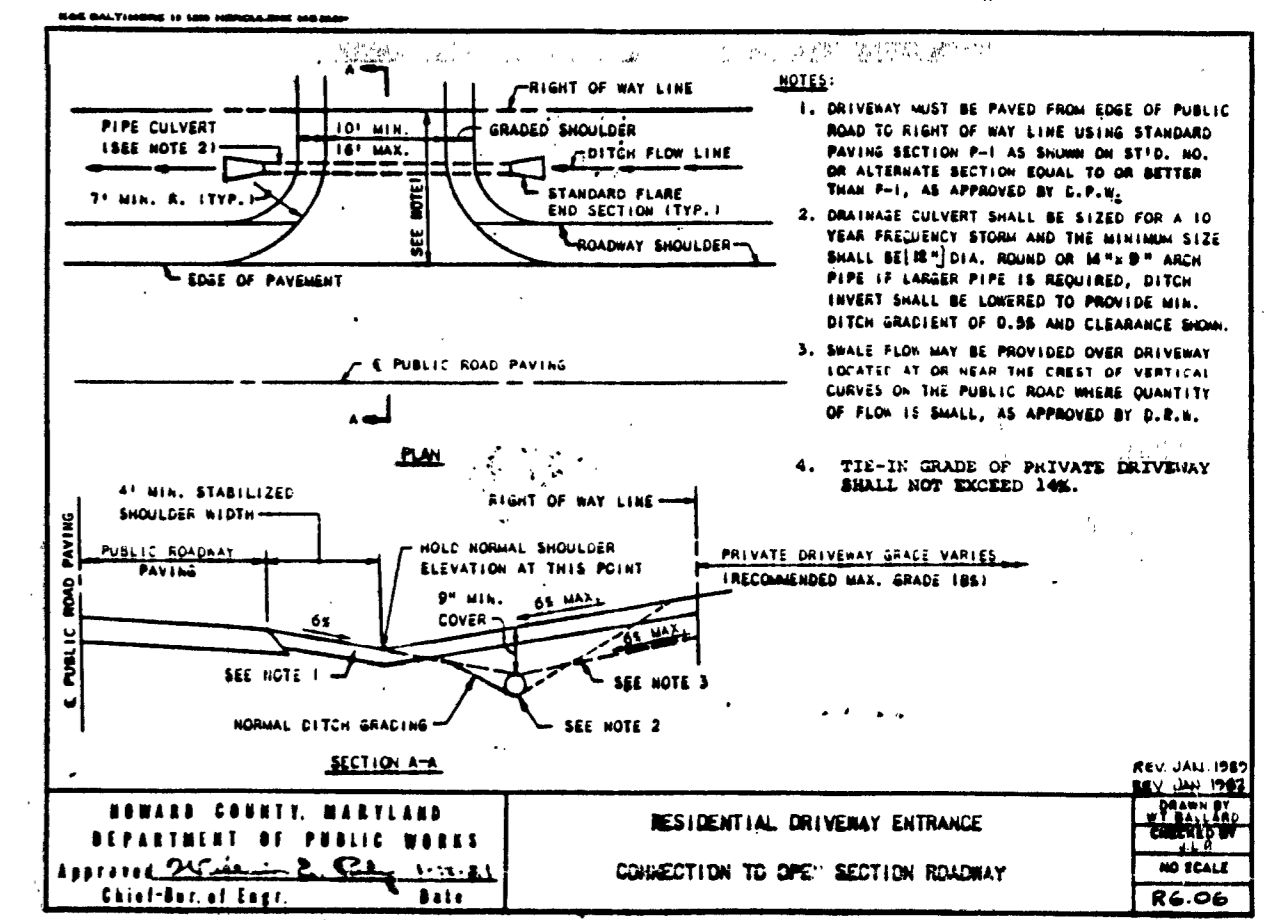
PRE-CONSTRUCTION 9/27/02 Need to remove fill & grt. to original grade. OK to set tank. (SO) 10/2/02 Fill not moved. Tank set (SO)

INSTALLATION 10/8/02 Fill cleared, tank set (SO) 10/9/02 - 2 1/2' trenches installed (SO) 10/15/02 OK to cover all work (SO)

FINAL INSPECTOR [Signature] DATE OF APPROVAL 10/15/02



DRIVEWAY CULVERT PROFILE
SCALE: Hor. 1" = 30'
Vert. 1" = 4'



EX. DRIVEWAY TO BE REMOVED BY DEVELOPER OF BRANTWOOD 3/2 (FOI-73) NOT PART OF THIS SUBMISSION

* REDUCED BACKOUT WITH OPTIONAL CONSERVATORY

Total linear feet of trench required **280** feet

Ex. **Width** of trench (es) **3** feet

Depth of trench (es) **5.5** feet

Depth of stone required below distribution pipe **2** feet

Approved Septic System Plan
Howard County Health Department

Handwritten Signature
Date

NOTE: ANY SPOIL FROM THE TRENCHING OF THE SEPTIC SYSTEM SHALL BE PLACED ON THE UPHILL SIDE OF THE SILT FENCE.

SEWAGE SYSTEM DESIGN DATA / LOT 27:

- Invert at foundation wall: 494.70 Basement Service ✓
- 1500 Gallon Septic Tank (4 Bedrooms)
Provide Manhole to Finished Grade
 - A. Ex. Ground Over Tank: 495.50
 - B. Prop. Grade Over Tank: 496.00
 - C. Invert In: 493.30
 - D. Invert Out: 493.00
- Distribution Box: (Provide 5 Outlets Minimum)
 - A. Ex. Ground Over Box: 494.40
 - B. Prop. Grade Over Box: 494.40
 - C. Invert In: 491.40
- Trench Design: 60 LF/Bedrm. X 4 Bedrm. = 240 LF (120' x 2')

| | A | B | C | D | E | F |
|---------------|--------|--------|--------|--------|--------|----|
| Ex. Ground | 494.00 | 493.30 | 492.60 | 493.00 | 492.00 | |
| Over Trench | 494.00 | 493.30 | 489.60 | 490.00 | 489.00 | |
| Inv. Trench | 491.00 | 490.30 | 489.60 | 490.00 | 489.00 | |
| Botm. Trench | 489.00 | 488.30 | 487.60 | 488.00 | 487.00 | 40 |
| Trench Length | 40 Ft. | 50 Ft. | 50 Ft. | 50 Ft. | 50 Ft. | 40 |
| Trench Width | 3 Ft. | 3 Ft. | 3 Ft. | 3 Ft. | 3 Ft. | 3 |

NOTE: TRENCH DESIGN MAY BE REVISED AT TIME OF INSTALLATION BASED ON SITE CONDITIONS.

ENGINEER'S CERTIFICATE
I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT HAS BEEN PREPARED IN ACCORDANCE WITH REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

Signature: Bruce D. Burr
DATE: 3/11/02

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS.

Signature: Jim Murray
DATE: 3/14/02

DEVELOPER'S CERTIFICATE
I HEREBY CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF EROSION AND SEDIMENTATION. I ALSO AUTHORIZE FEES TO BE PAID TO THE HOWARD SOIL CONSERVATION DISTRICT ON THIS APPROVED PLAN AS AND WHEN NECESSARY.

Signature: [Handwritten]
DATE: 3/11/02

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

Signature: [Handwritten]
DATE: 3/14/02

| No. | BY | Date | Description |
|-----|-----|---------|---|
| 1 | LDE | 5/30/02 | Change House Type From Monticello To Wynterhall |

REVISIONS

EX. USE IN COMMON DRIVEWAY AND EX. DRIVEWAY CULVERT BY DEVELOPER OF BRANTWOOD 3/2 (FOI-73) NOT PART OF THIS SUBMISSION. CULVERT COMPUTATIONS PREVIOUSLY APPROVED AS PART OF FOI-73.

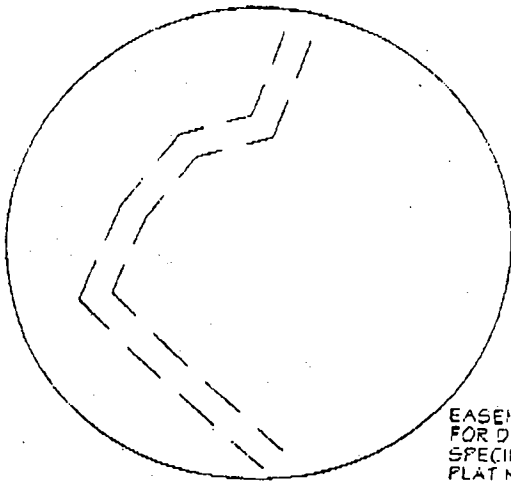
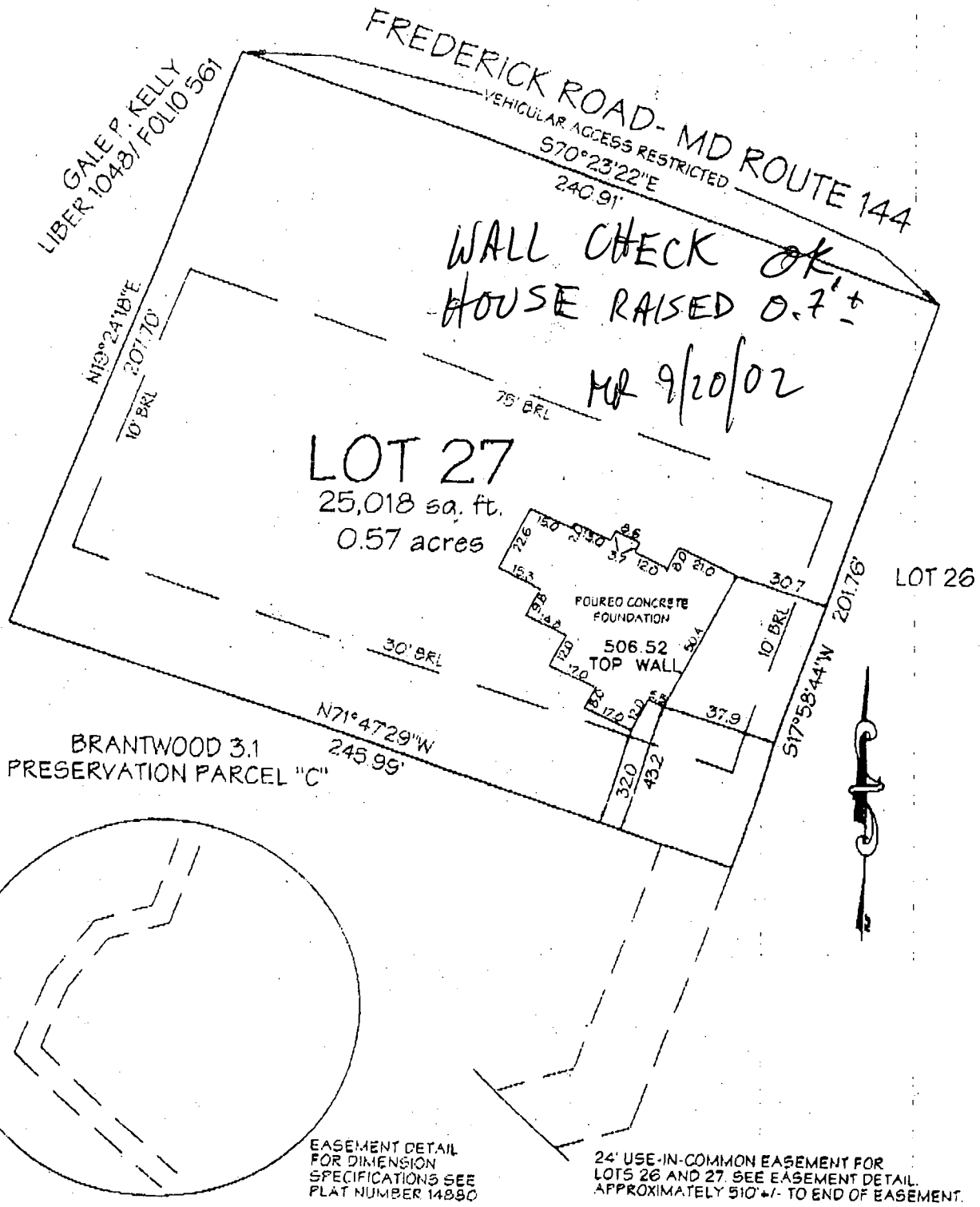
LDE, INC.
9250 Rumsey Road, Suite 106, Columbia, MD 21045
(410) 715-1070 (301) 596-3424 (410) 715-9540 (Fax)

| | | |
|---------------|---|------------------|
| DESIGNED: BOB | GRADING AND SEDIMENT CONTROL PLAN | SCALE: 1" = 30' |
| DRAWN: KBW | BRANTWOOD SECTION 3 AREA 2 LOTS 17, 18 and 27 | DRAWING: 2 OF 3 |
| CHECKED: BOB | TAX MAP 16 GRID 21 P/O PARCEL 205 3RD ELECTION DISTRICT HOWARD CO., MD | Job No. 02-007 |
| DATE: 2/02 | PREVIOUS SUBMITTALS: WP90-96, P90-128, WP99-55, WP00-55, P00-03, P00-04, FOI-73, 599-09 | FILE No. 4P02-97 |
| | BUILDER: NV HOMES 2200 DEFENSE HIGHWAY SUITE 301 CROFTON, MD | |

PROPERTY KNOWN AS:
 LOT 27
 BRANTWOOD SECTION 3 AREA 2
 PLAT NUMBER 15119
 HOWARD COUNTY MARYLAND

THIS PLAT CAN NOT BE USED TO ESTABLISH
 PROPERTY LINES OR CORNERS.

fax
 410-875-0326



LOCATION DRAWING

| | | | | |
|--|--|------|---|--------------|
| CERTIFICATION | | SEAL | SCALE 1" = 50' | DATE 8-06-02 |
| This is to certify that I have surveyed the property known as: <u>LOT 27</u> The information shown has been established by current acceptable survey procedures and from available record information. This drawing is to be used for Title Transfer Financing, or Refinancing Only and IS NOT to be used for the Establishment of Property Lines, Location for Fences, Garages, Buildings, or other Existing or Future Improvements | | | LDE Inc. Engineers, Surveyors, Planners 9250 Rumsey Road, Suite 106 Columbia, Maryland - 21045 (410) 715-1070 - (410) 715-9540 Fax | |

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) is required prior to Use and Occupancy approval.

Company Name: Van Sant Plbg. & Htg., Inc. Phone #: 301-829-0444
Address: 3 North Main St
Mt. Airy, MD 21771

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

Name (Print): Harford Van Sant License # 1467

*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: WV Homes Telephone #: 301-858-0522
Subdivision: Woodcroft Sec 3 Lot #: 27 Well Tag #: HO-99-2991
Site Address: 11340 Costwood Springs Farm Lane
Ellicott City, MD 21043

Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit
Make: Goulds Make: Campbell Two piece watertight cap:
Model #: 7501042 Model #: 210X Screened, vented well cap:
Pump Capacity: 5 GPM Depth: 42 (36" min) Cap secured to casing:
Well Yield: 5 GPM NSP approved: YES Conduit min 18" B.G.:
Depth of well encountered at time of pump installation: 480 (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 arrestor or Cable guards are required - Must circle one
Safety Rope, if used, attached to inside of well casing with eye bolt NO

Piping to house House Connection
Type: Polyethylene PVC sleeved to undisturbed soil at wall penetration: IS
PSI: 200 (160 psi min) Approximate length of sleeve: 15
Depth of supply line: 12 (36" min) 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.

Signature of company representative responsible for installation: Harford Van Sant date: 9.30.02

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

Date Insp. Requested: 9/17/02 Date Insp. Approved: 9/17/02 (KN) 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

11/17/02
11/17/02
11/17/02
11/17/02

C1 3497

SEQUENCE NO. (MDE USE ONLY)

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

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

COUNTY NUMBER 7/25/01 OK (BB)

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

ST/CAUSE ONLY DATE RECEIVED MM DD YY

DATE WELL COMPLETED MM DD YY 16 8 2001

Depth of Well 22 500 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" Ho-94-2991

OWNER Brantwood LLC STREET OR RFD Cottwood Farm Spring Farm LADLE TOWN West Friendship SUBDIVISION Brantwood SECTION 3 Area 2 LOT 11

WELL LOG table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), check if water bearing. Includes handwritten entries: Sand 0 42, Gray Mica Rock 42 500.

GROUTING RECORD YES (Y) NO (N) WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL (Circle one) CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 16 NO. OF POUNDS 1504 GALLONS OF WATER 96 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 40 ft.

CASING RECORD casing types insert appropriate code below MAIN CASING TYPE ST Nominal diameter top (main) casing (nearest inch)! 6 Total depth of main casing (nearest foot) 45

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

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

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...

DRILLERS LIC. NO. MSD 024 DRILLERS SIGNATURE Joseph P. Mayne LIC. NO. M D

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

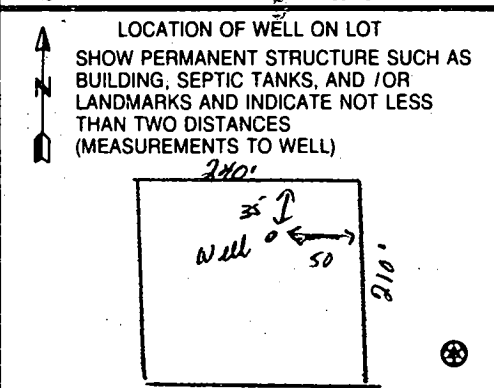
DEPTH (nearest ft.) 110 44 500 E A C H S C R E E N SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) 56 60 from to

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

PUMPING TEST 3 HOURS PUMPED (nearest hour) 8 9 PUMPING RATE (gal. per min.) 5 15 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 25 17 20 ft. WHEN PUMPING 204 22 25 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) 31 35 PUMP HORSE POWER 37 41 PUMP COLUMN LENGTH (nearest ft.) 43 47 CASING HEIGHT (circle appropriate box and enter casing height) (+) above (nearest) foot (-) below (nearest) foot



B.1 03709

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HO-94-2991

W514 919 please print or type

fill in this form completely

Date Received (APA)

2/6/01

OWNER INFORMATION

Brantwood LLC, 8835 P. Columbia 100 Parkway, Columbia, Md 21045

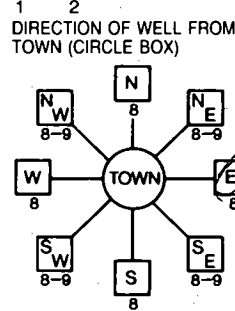
LOCATION OF WELL

Howard, Brantwood, SECTION 3 LOT 11 Area 2, West Friendship, 3 1/2 miles from town

DRILLER INFORMATION

Joseph L. Mayne, MS D 024, Joseph L. Mayne Well Drilling, 5512 Ridge Rd Mt. Airy 21771

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Cotswold Spring Farm La

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

375 FT DISTANCE FROM ROAD

TAX MAP: BLK: PARCEL

WELL INFORMATION

APPROX. PUMPING RATE 5 GAL. PER MIN., AVERAGE DAILY QUANTITY NEEDED 500 GAL. PER DAY

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION (D), FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) (F), INDUSTRIAL, COMMERCIAL, DEWATERING (I), PUBLIC WATER SUPPLY WELL (P), TEST, OBSERVATION, MONITORING (T), GEO-THERMAL (G)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard Co. 13, STATE SIGNATURE, DATE ISSUED 2/12/01, NORTH GRID 520 000, EAST GRID 820 000

APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

AIR-ROTARY, JETTED, ROTARY (Hydraulic Rotary), CABLE, REVerse-ROTary, DRive-POINT

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- THIS WELL WILL NOT REPLACE AN EXISTING WELL (N), THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED (Y), THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS (S), THIS WELL WILL DEEPEM AN EXISTING WELL (D)

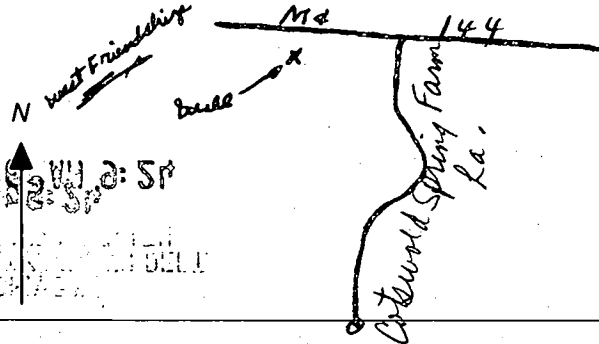
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

- SOURCES OF DRILLING WATER 1. WELL, 2., 3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 820, N 520

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



6/8/01 No Insp (BB)

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

APPROX. PERMIT NUMBER HD 98 GAP 6003(2)

PERMIT No. HD-94-2991

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

APPLICATION

PERCOLATION TESTING

A 510042H

P _____

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

DISTRICT _____

DATE 8/24/98

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 George A. Garbutt

ADDRESS 11363 Frederick Road, Ellicott City, MD

AGENT OR PROSPECTIVE BUYER Heritage Land Development

ADDRESS 3243 Bethany Lane, Ellicott City, MD 21042 PHONE 410-313-8808

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. 13

ROAD AND DESCRIPTION 11363 Frederick Road., Ellicott City, MD 21042

TAX MAP 16 PARCEL # 172

SIZE OF LOT 1 Acre TYPE BLDG. SFD
(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

510642A

COUNTY #

SOIL PROFILE

300

orange
cl 1m

orange/
beige
sclm
10%
shale
frags

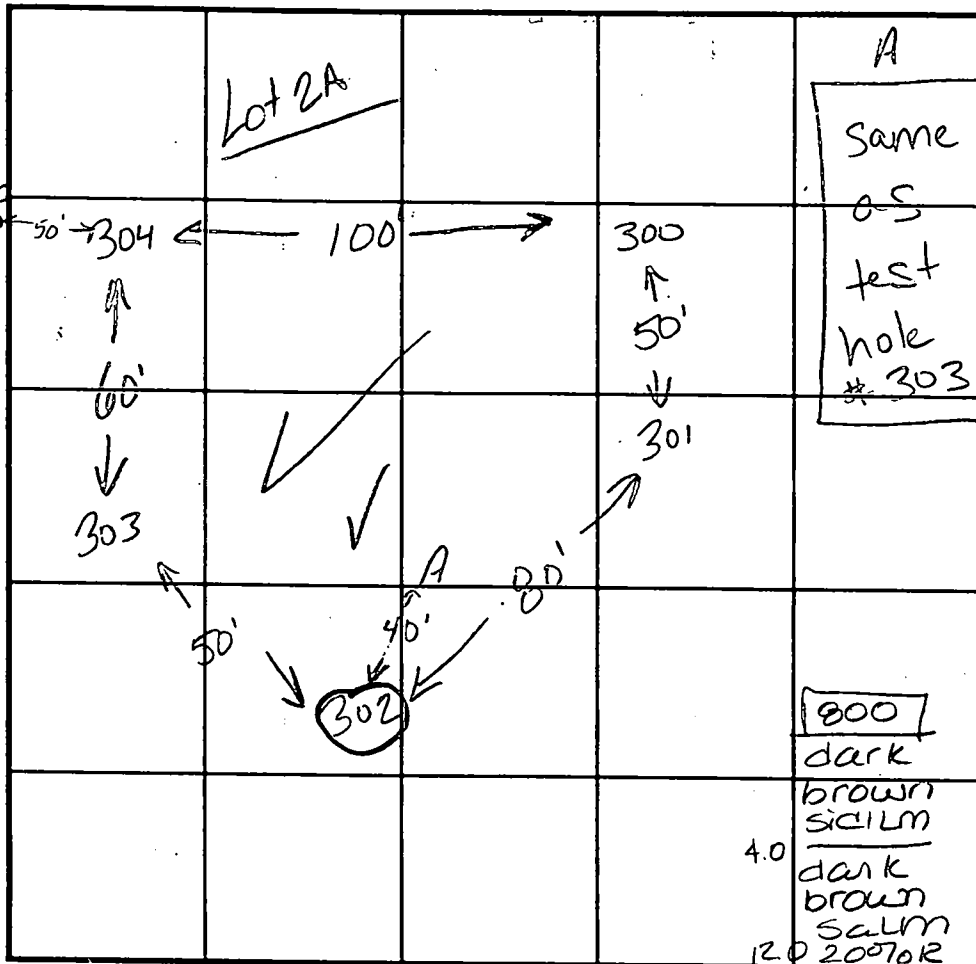
301

Same
as

test
hole
300

302

orange
brown
sclm
greater
than
50%
rock
frags



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

303

or/br
cl 1m

brown/
orange
sclm
mica
15%
quartz
boulders

304

orange
cl 1m

or/br
sclm
mica
10% rx
frags

| DATE | TEST NO. | DEPTH | PRE-WET | | TEST - 1" DROP | | TIME |
|---------|------------|----------------|---------------|---------------------|----------------|----------|------|
| | | | START | STOP | START | STOP | |
| 8-26-98 | 300 | 11.0'D | visual | ok - see profile | | | |
| | 301 | 2.5'S | 11:22:40 | 11:30 | 11:30 | 11:45:10 | 15.0 |
| | | 11.5'D | visual | ok - see profile | | | |
| | 302 | FAILED | DUE TO ROCK | | | | F |
| | X 303 | 12.0'D | visual | ok - see profile | | | |
| 11-8-99 | X 800 | Visual to 12.0 | - see profile | | | | OK |
| 8-26-98 | X A | 11.0'D | visual | ok - see profile | | | |
| | X 304 | 3.0'S | 11:34 | slow - redug deeper | | | |
| | | 11.0'D | visual | ok - see profile | | | |
| | | 4.0'S | 11:42:05 | 11:57 | 11:57 | 12:11 | 14 |

REMARKS test holes staked by surveyor

TYPE OF SOIL

TESTED BY

Kim Maister

ALSO PRESENT

Tim Feaga

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

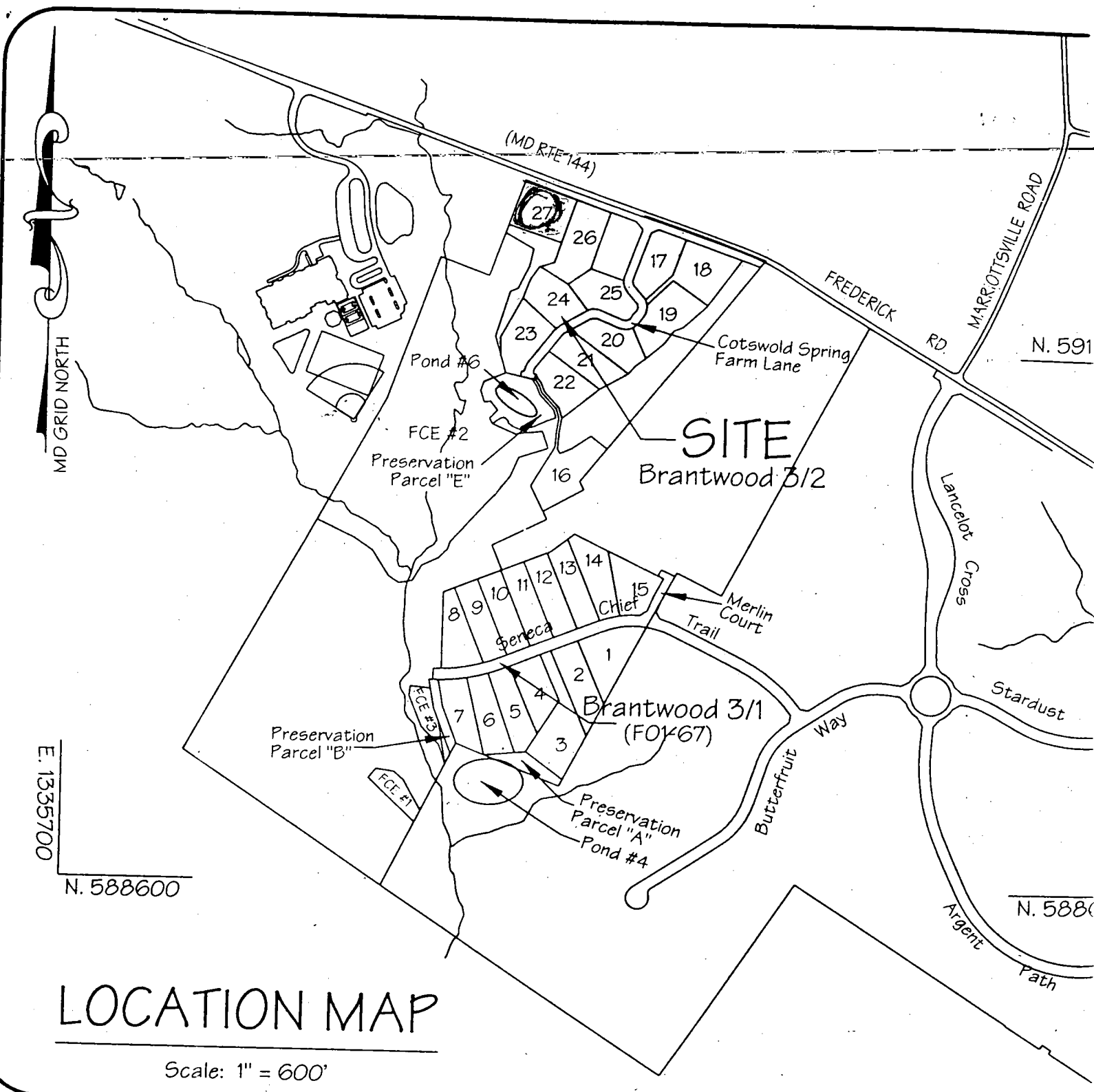
10 min

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT/BEDROOM



LOCATION MAP

Scale: 1" = 600'

OWNER:
 Parcel 45/205
 Richard B. Talkin, Trustee
 9175 Guilford Road, Suite 301
 Columbia, Md. 21046

DEVELOPER:
 BRANTWOOD, L.L.C.
 8835 P - Columbia 100 Parkway
 Columbia, Md. 21045

The requirements of 3-108, The Real Property Article, Annotated Code of Maryland, 1988 replacement volume, (as supplemented) as far as they relate to the making of this plat and the setting of markers have been complied with.

D. Wayne Weller

8/13/01

D. Wayne Weller MD No. 10685 Date

Richard B. Talkin TRUSTEE
 Richard B. Talkin, Trustee Date

its
 its shown on this
 odplains,
 ("Conservation Area")
 ny and all
 herein reserved,
 Developer shall

PERC CERT

S. 8.00

FREDERICK ROAD
(MINOR ARTERIAL)

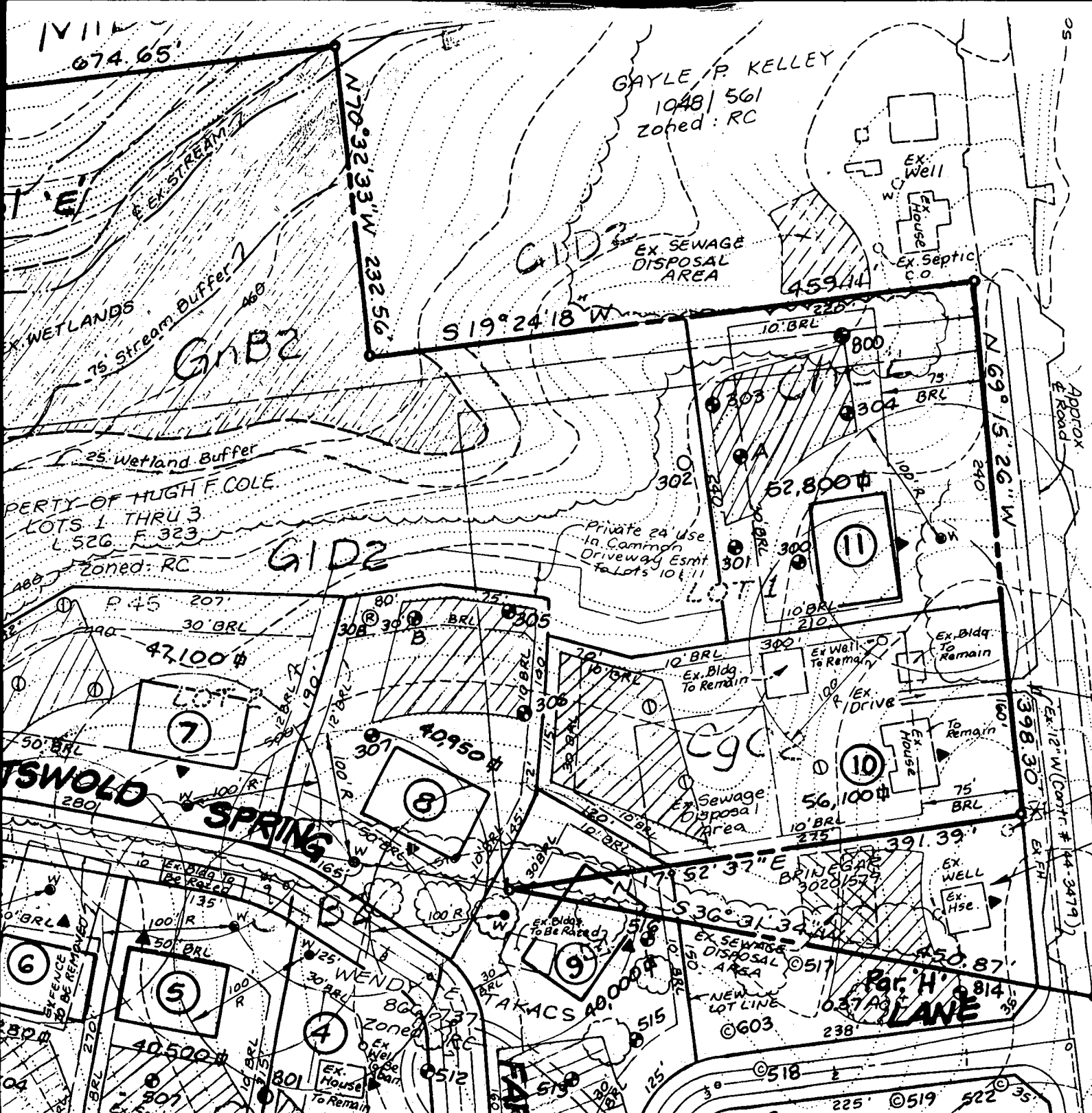
ROAD

FUTURE WELL

SEE GENERAL NOTE #11
(Sht. 1 of 2)

MD ROUTE
EX. VARIABLE WIDTH

CH 02



GAYLE P. KELLEY
1048/561
Zoned: RC

EX. SEWAGE DISPOSAL AREA

45944

GnB2

G1D3

G1D2

LOT 1

Ggc

SWOLD SPRING

BRINEGAR 3020/579

Par. H. LANE

674.65'

N 70° 32' 33" W 232.56'

S 19° 24' 18" W

N 69° 5' 26" W

N 51° 17' 50"

N 51° 17' 50"

N 71° 0'

PROPERTY OF HUGH F. COLE
LOTS 1 THRU 3
L. 526, F. 323
Zoned: RC

Private 24 Use In-Camion Driveway Esmt To Lots 10 & 11

52,800 sq ft

47,100 sq ft

40,950 sq ft

56,100 sq ft

40,000 sq ft

45,087 sq ft

6

5

4

9

10

05

Approx Road

EX. Entrances To Be Relocated

EX. FH

E 3338000

N 51° 17' 50"

N 51° 17' 50"

N 71° 0'

04

04

501

801

6512

513

515

518

519

522

525

528

531

534

537

540

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546

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630

633

636

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642

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651

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657

660

663

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669

672

675

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681

684

687

690

693

696

699

702

705

708

711

714

717

720

723

726

729

732

735

738

741

744

747

750

753

756

759

762

765

768

771

774

777

780

783

786

789

792

795

798

801

804

807

810

813

816

819

822

825

828

831

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1080

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1086

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