LAYOUT 3/11/03 11:30 INSP 4 _____

INSP 2 3/14/03 2:00 Am INSP 5 _____

INSP 3 3/17/03 11 Am INSP 6 _____

ISSUE DATE: 2/11/2003

APPROVAL DATE: 4/4/03

PERMIT

INDEXED

P 518542

A 511132-A

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

04-365291

Maticic Construction Services Inc IS PERMITTED TO INSTALL ☒ ALTER ☐

ADDRESS: 5977 Sandy Ridge Court PHONE NUMBER: 410-984-6618

SUBDIVISION: Blueberry Hill LOT NUMBER: 1

ADDRESS: 2660 Daisy Road PROPERTY OWNER: ~~Hamilton Reed~~ Gagnon 410-442-1600

SEPTIC TANK CAPACITY (GALLONS): 1250 OUTLET BAFFLE FILTER REQUIRED ☐

PUMP CHAMBER CAPACITY (GALLONS): N/A 1250 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 3.0 feet below original grade. Bottom maximum depth 5.0 feet below original grade. Effective area begins at 3.0 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box as per the building permit plan.
NOTES:	No basement service by gravity.

PLANS APPROVED: Steven R. Krieg OK 3/7/02 SE 2/19/2002

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

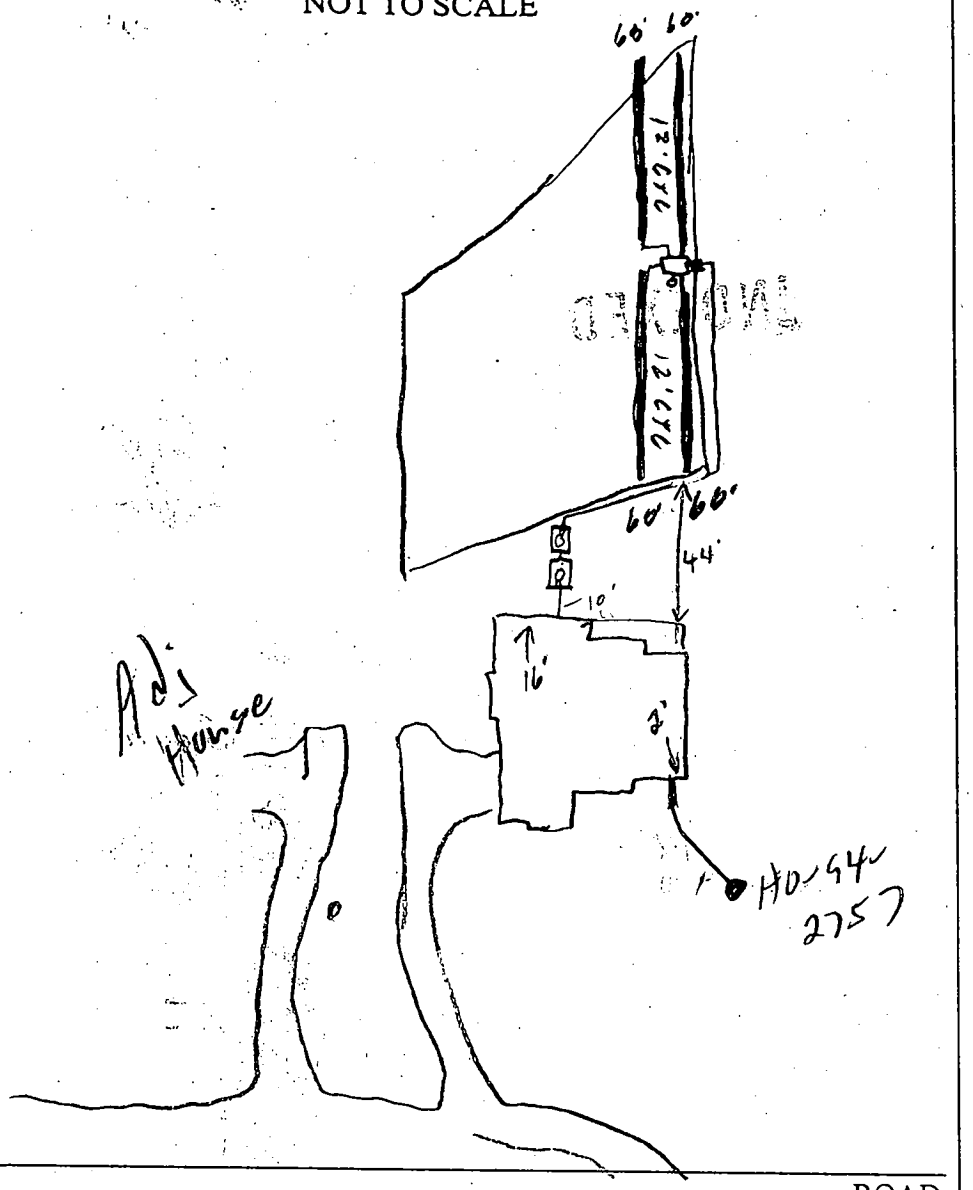
NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM
PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT
ALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

BUILDING PERMIT SIGNED AND RETURNED

02-1602 B00139631-UG PROPANE TANK

A511132-A

NOT TO SCALE



TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	3'	5'

NUMBER OF TRENCHES 4 ea
TOTAL LENGTH 240'
ABSORPTION AREA 720 sf
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 1-1.5'
BAFFLES ✓
BAFFLE FILTER —
MANHOLE LOC Center
6" PORT LOC Front
WATERTIGHT TEST —

SEPTIC TANK 2 LEVEL ✓
CAPACITY 1250 GAL
SEAM LOC Top
TANK LID DEPTH 1-1.5'
BAFFLES ✓
BAFFLE FILTER —
MANHOLE LOC Over Inlet
6" PORT LOC Back
WATERTIGHT TEST —

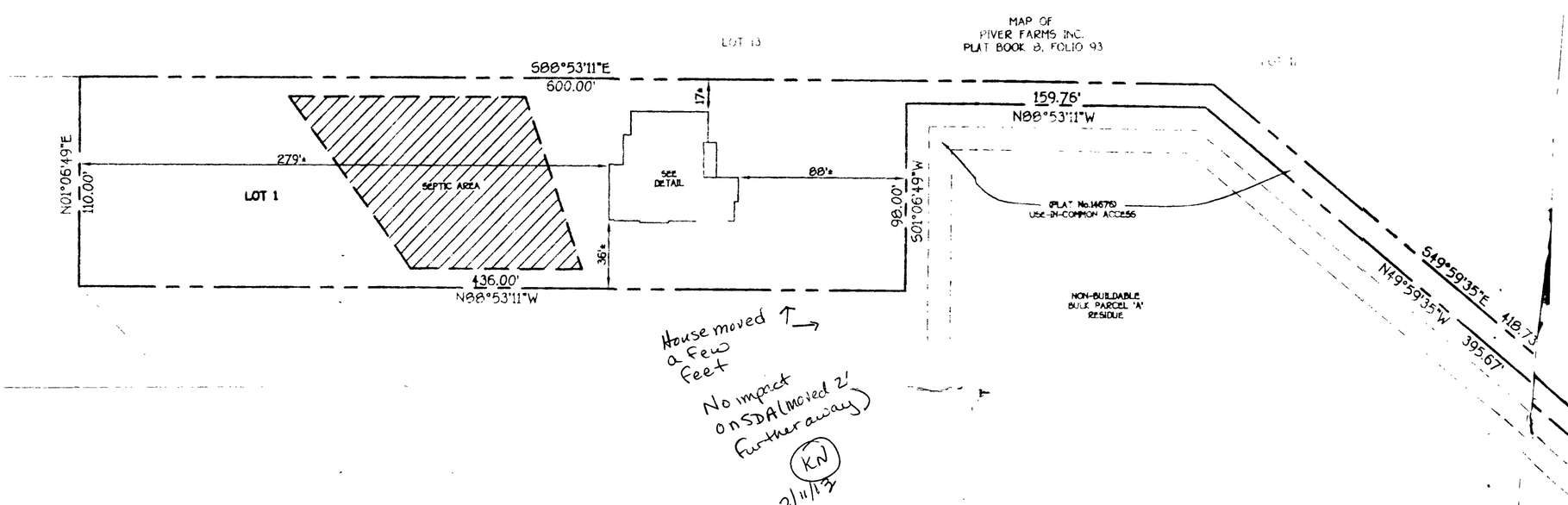
PRE-CONSTRUCTION 3/11/03 Lot stake, house comm changed, no affect. Install (4) 70' trenches on contour at top of SRA. Call to Jason, changed

INSTALLATION specs to D.B in middle, install (4) 60's. (SO) 3/14/03 OK to cover all work, Pump & Alcove tests needed. (SO) 4/4/03 Pump test OK + alarm (KN)

FINAL INSPECTOR Kaci Noonan DATE OF APPROVAL 4/4/03 via

GENERAL NOTES:

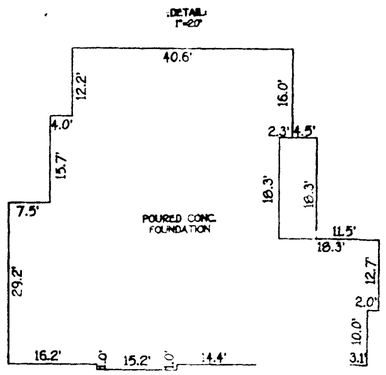
1) THIS LOCATION DRAWING IS PREPARED FOR THE BENEFIT OF THE CLIENT SIGNING THE HOUSE LOCATION SURVEY APPROVAL FORM INSOFAR AS IT IS REQUIRED BY A LENDER OR TITLE INSURANCE COMPANY OR ITS AGENTS IN CONNECTION WITH THE CONTEMPLATED TRANSFER, FINANCING OR REFINANCING OF THE PROPERTY SHOWN HEREON. UNLESS INDICATED AS BEING A BOUNDARY SURVEY, THIS LOCATION DRAWING IS NOT INTENDED FOR USE IN THE ESTABLISHMENT OF PROPERTY LINES AND IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATIONS OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS. AS A RESULT, THIS LOCATION DRAWING DOES NOT PROVIDE FOR ACCURATE IDENTIFICATION OF PROPERTY LINES, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING FOR RE-FINANCING.
2) SUBJECT PROPERTY IS SHOWN IN ZONE X ON THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP OF HOWARD COUNTY, MARYLAND, COMMUNITY PANEL No 2400440013 B EFFECTIVE DEC 4, 1986.
3) THE OFFSETS FROM BUILDING LINE TO PROPERTY LINE AS SHOWN ON THE PLAT HEREON ARE TO AN ACCURACY OF PLUS OR MINUS 1'.0
4) NO TITLE REPORT FURNISHED SUBJECT TO ALL EASEMENTS, RIGHTS OF WAY AND CONDITIONS OF RECORD.



House moved ↑→ a few feet

No impact on SDA (moved 2' further away)

KN 2/11/13



FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
ELLICOTT CITY, MARYLAND 21043
(410) 461-2855

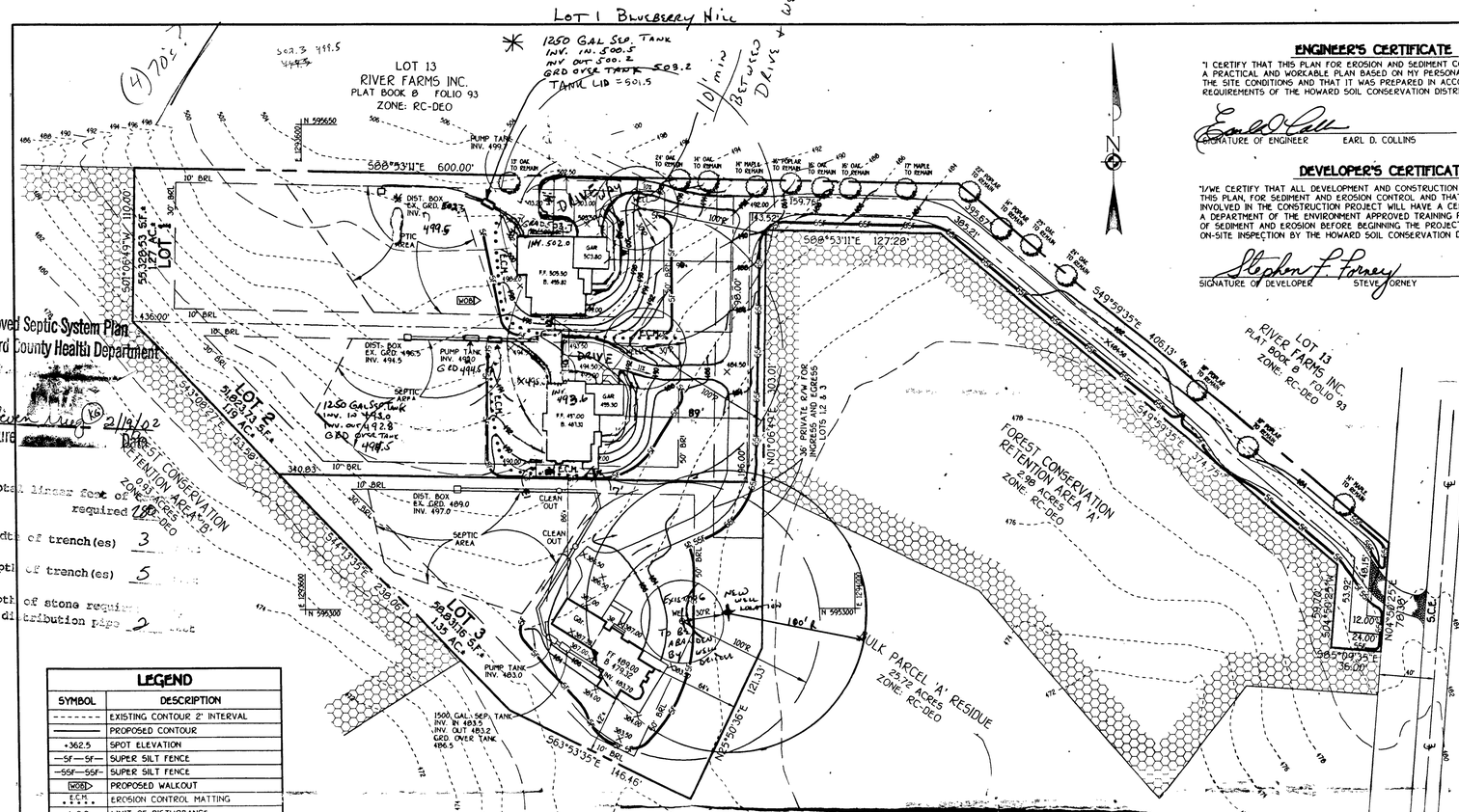
STATE OF MARYLAND — STEVEN F. KOHL — 21736 — REGISTERED

PROFESSIONAL LAND SURVEYOR REG. #21736 — 9/25/02 DATE

HOUSE LOCATION DRAWING

FOUNDATION LOCATION: 9/20/02
FINAL LOCATION:
BOUNDARY SURVEY:
SCALE: 1"=30'
DATE: 9/20/02
DRAWN BY: T.A.
CHECKED BY:
PROJECT No. 91716

LOT 1
MINOR SUBDIVISION
"BLUEBERRY HILL"
LOTS 1 THRU 3 AND NON-BUILDABLE BULK PARCEL 'A'
FIRTH ELECTION DISTRICT
HARD COUNTY, MARYLAND
PLAT No.14676
TOP FOUNDATION ELEV. 504.2'±



LEGEND

SYMBOL	DESCRIPTION
---502---	EXISTING CONTOUR 2' INTERVAL
———	PROPOSED CONTOUR
+362.5	SPOT ELEVATION
—SF—SF—	SUPER SILT FENCE
—SSF—SSF—	SUPER SILT FENCE
WOOD	PROPOSED WALKOUT
E.C.M.	EROSION CONTROL MATTING
L.O.D.	LIMIT OF DISTURBANCE
	FOREST CONSERVATION RETENTION EASEMENT
	EXISTING TREES TAKEN FROM F-00-129

ENGINEER'S CERTIFICATE

"I 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 WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

Earl D. Collins — 12-5-01

SIGNATURE OF ENGINEER — EARL D. COLLINS — DATE

DEVELOPER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, FOR SEDIMENT AND EROSION CONTROL AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE OF A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

Stephen F. Forney — 12-5-01

SIGNATURE OF DEVELOPER — STEVE FORNEY — DATE

SEDIMENT CONTROL NOTES

1) A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LISCENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (313-1855).
2) ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THERETO.
3) FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: a) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3:1, b) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
4) ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
5) ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING (SEC. 51), SOD (SEC. 54), TEMPORARY SEEDING (SEC. 50), AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
6) ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
7) SITE ANALYSIS:

TOTAL AREA OF SITE	3.81	ACRES
AREA DISTURBED	1.501	ACRES
AREA TO BE ROOFED OR PAVED	0.736	ACRES
AREA TO BE VEGETATIVELY STABILIZED	0.845	ACRES
TOTAL CUT	1,225	CU.YDS.
TOTAL FILL	1,272	CU.YDS.
OFFSITE WASTE/BORROW AREA LOCATION	N/A	CU.YDS.

8) ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
9) ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
10) ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
11) TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGHTS OR THAT WHICH SHALL BE BACK-FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT.
2. INSTALL SEDIMENT CONTROLS AS SHOWN ON PLAN. (1 day)
3. PERFORM NECESSARY GRADING AND STABILIZE THE SITE. (2 days)
4. CONSTRUCT DWELLING ON SITE. (90 days)
5. AFTER THE SITE IS STABILIZED AND PERMISSION IS GRANTED FROM THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROLS AND STABILIZE ANY REMAINING DISTURBED AREAS.

TEMPORARY SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION:
LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.
IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS:
APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1000 SQ. FT.)

SEEDING:
FOR THE PRERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 1 1/2 BUSHEL PER ANNUAL RYE (3.2 LBS./1,000 SQ.FT.)FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS/ACRE OF WEEPING LOVEGRASS (.07 LBS/1000SQ.F.T.). FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOD.

MULCHING:
APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1,000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL./1,000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT ACRES. ON SLOPES 8 FEET OR HIGHER USE 348 GALLONS PER ACRE (8 GAL./1,000 SQ.FT.) FOR ANCHORING. REFER TO THE 1988 MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

PERMANENT SEEDING NOTES

ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:

SEEDBED PREPARATION:
LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

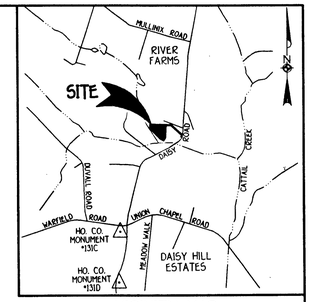
SOIL AMENDMENTS:
APPLY TWO TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/ 1,000 SQ.FT.) AND 600 LBS. PER ACRE 0-20-20 FERTILIZER (14 LBS./1,000 SQ.FT.) BEFORE SEEDING HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 38-0-0 UREAFORM FERTILIZER (9 LBS./1,000 SQ.FT.) AND 500 LBS. PER ACRE (11.5 LBS./ 1,000 SQ.FT.) OF 10-20-20 FERTILIZER.

SEEDING:
FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 100 LBS. PER ACRE (2.3 LBS./1,000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 60 LBS/ACRE (1.4 LBS./1,000 SQ.FT.) KENTUCKY 31 TALL FESCUE AND 2 LBS. PER ACRE (0.05 LBS./1,000 SQ.FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THROUGH FEBRUARY 28, PROJECT SITE BY: OPTION (1) - TWO TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) - USE SOD. OPTION (3) - SEED WITH 100 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH TWO TONS/ACRE WELL ANCHORED STRAW. ALL SLOPES SHOULD BE HYDROSEEDED.

MULCHING:
APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1,000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (5 GAL./1,000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT ACRES. ON SLOPES 8 FEET OR HIGHER USE 348 GALLONS PER ACRE (8 GAL./1,000 SQ.FT.) FOR ANCHORING.

MAINTENANCE:
INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.
* FOR PUBLIC PONDS SUBSTITUTE CHEMUNG CROWNVETCH AT 15 LBS/ACRE AND KENTUCKY 31 TALL FESCUE AT 40 LBS/ACRE AS THE SEEDING REQUIREMENT. OPTIMUM SEEDING DATE FOR THIS MIXTURE IS MARCH 1 TO APRIL 30.

TOPSOIL SPECIFICATIONS - SOIL TO BE USED AS TOPSOIL MUST MEET THE FOLLOWING:
TOPSOIL SHALL BE A LOAM, SANDY LOAM, CLAY LOAM, SILT LOAM, SANDY CLAY LOAM, LOAMY SAND. OTHER SOILS MAY BE USED IF RECOMMENDED BY AN AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY. REGARDLESS, TOPSOIL SHALL NOT BE A MIXTURE OF CONTRASTING TEXTURE SUBSOILS AND SHALL CONTAIN LESS THAN 5 % BY VOLUME OF CINDERS, STONES, SLAG, COARSE FRAGMENTS, GRAVEL, STICKS, ROOTS TRASH OR OTHER MATERIALS LARGER THAN 1 1/2" IN DIAMETER.
TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS BERMUDA GRASS, QUACKGRASS, JOHNSONGRASS, NUTSEDGE, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED.
WHERE THE TOPSOIL IS EITHER HIGHLY ACIDIC OR COMPOSED OF HEAVY CLAYS, GROUND LIMESTONE SHALL BE SPREAD AT THE RATE OF 4-8 TONS/ACRE (200-400 POUNDS PER 1,000 SQUARE FEET) PRIOR TO THE PLACEMENT OF TOPSOIL. LIME SHALL BE DISTRIBUTED UNIFORMLY OVER DESIGNATED AREAS AND WORKED INTO THE SOIL IN CONJUNCTION WITH TILLAGE OPERATIONS AS DESCRIBED IN THE FOLLOWING PROCEDURES.

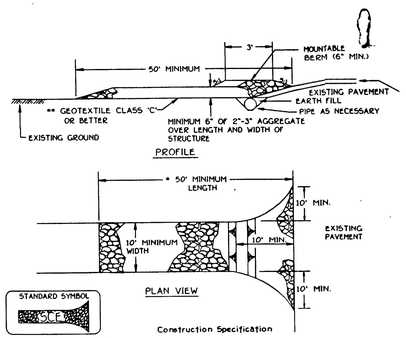


VICINITY MAP

SCALE: 1"=2000'

BENCHMARKS

HOWARD COUNTY MONUMENT NO. 13IC	N 592525.747 E 1292599.230	ELEV.=534.256
HOWARD COUNTY MONUMENT NO. 13ID	N 591825.340 E 1292599.230	ELEV.=534.256

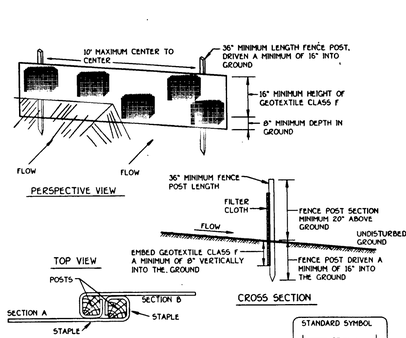


Construction Specification

1. Length - minimum of 50' (*30' for single residence lot).
2. Width - 10' minimum, should be flared at the existing road to provide a turning radius.
3. Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. **The plan approval authority may not require single family residences to use geotextile.
4. Stone - crushed aggregate (2" to 3") or reclaimed or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the entrance.
5. Surface Water - all surface water flowing to or diverted toward construction entrances shall be piped through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a mountable berm with 5:1 slopes and a minimum of 6" of stone over the pipe. Pipe has to be sized according to the drainage. When the SCE is located at a high spot and has no drainage to convey a pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 6" minimum will be required.
6. Location - A stabilized construction entrance shall be located at every point where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance.

STABILIZED CONSTRUCTION ENTRANCE - 2

NOT TO SCALE



Construction Specifications

1. Fencing shall be 42" in height and constructed in accordance with the latest Maryland State Highway Details for Chain Link Fencing. The specification for a 6' fence shall be used, substituting 42" fabric and 6' length posts.
2. Chain link fence shall be fastened securely to the fence posts with wire ties. The lower tension wire, brace and truss rods, drive anchors and post caps are not required except on the ends of the fence.
3. Filter cloth shall be fastened securely to the chain link fence with ties spaced every 24" at the top and mid section.
4. Filter cloth shall be embedded a minimum of 8" into the ground.
5. When two sections of filter cloth adjoin each other, they shall be overlapped by 6" and folded.
6. Maintenance shall be performed as needed and silt buildups removed when "bulges" develop in the silt fence, or when silt reaches 50% of fence height.
7. Filter cloth shall be fastened securely to each fence post with wire ties or staples at top and mid section and shall meet the following requirements for Geotextile Class F:

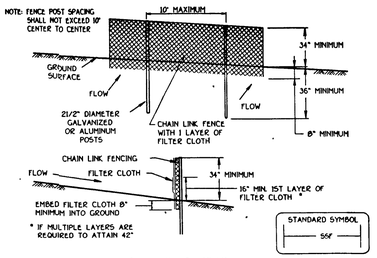
Tensile Strength	50 lbs/in (min)	Test: MSMT 509
Tensile Modulus	20 lbs/in (min)	Test: MSMT 509
Flow Rate	0.3 gal/ft / minute (max.)*	Test: MSMT 322
Filtering Efficiency	75% (min)	Test: MSMT 322

Design Criteria

Slope	Slope Steepness	Slope Length (maximum)	Silt Fence Length (maximum)
0 - 10%	0 - 10:1	Unlimited	Unlimited
10 - 20%	10:1 - 5:1	200 feet	1,500 feet
20 - 33%	5:1 - 3:1	100 feet	1,000 feet
33 - 50%	3:1 - 2:1	100 feet	500 feet
50% +	2:1 +	50 feet	250 feet

SILT FENCE

NOT TO SCALE



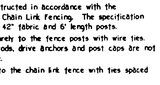
Construction Specifications

1. Key-in the matting by placing the top ends of the matting in a narrow trench, 6" in depth. Backfill the trench and tamp firmly to conform to the cross-section. Secure with a row of staples about 4" down slope from the trench. Spacing between staples is 6".
2. Staple the 4" overlap in the channel center using an 18" spacing between staples.
3. Before stapling the outer edges of the matting, make sure the matting is smooth and in firm contact with the soil.
4. Staples shall be placed 2' apart with 4 rows for each strip, 2 outer rows, and 2 alternating rows down the center.
5. Where one roll of matting ends and another begins, the end of the top strip shall overlap the upper end of the lower strip by 4', shiplap fashion. Reinforce the overlap with a double row of staples spaced 6" apart in a staggered pattern on either side.
6. The discharge end of the matting liner should be similarly secured with 2 double rows of staples.

Note: If flow will enter from the edge of the matting then the area effected by the flow must be keyed-in.

EROSION CONTROL MATTING

NOT TO SCALE



COMMON DRIVEWAY DETAIL

NOT TO SCALE

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

John L. Robertson — 12/26/01

HOWARD SCD — DATE

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

Jim Myers — 12/26/01

U.S.D.A.-NATIONAL RESOURCES CONSERVATION SERVICE — DATE

SEQUENCE OF CONSTRUCTION

1.	OBTAIN GRADING PERMIT	1 WEEK
2.	INSTALL SEDIMENT AND EROSION CONTROL DEVICES AS SHOWN ON PLAN	2 DAYS
3.	CLEAR AND GRUB TO LIMITS OF DISTURBANCE	4 DAYS
4.	INSTALL TEMPORARY SEEDING	2 DAYS
5.	CONSTRUCT BUILDINGS	60 DAYS
6.	FINE GRADE SITE AND INSTALL PERMANENT SEEDING AND LANDSCAPE	2 DAYS
7.	REMOVE SEDIMENT CONTROL DEVICES AS UPLAND AREAS ARE STABILIZED AND PERMISSION IS GRANTED BY E/S CONTROL INSPECTOR.	2 DAYS

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21042
(410) 461 - 2855

OWNER/DEVELOPER
B.R.S. DEVELOPERS, LLC
8000 CENTRE PARK DRIVE #209
COLUMBIA, MARYLAND 21046
410-0964-5522

BUILDER
HAMILTON REED
C/O LAND DESIGN AND DEVELOPMENT, LLC
800 MAIN STREET
ELLICOTT CITY, MARYLAND 21042
410-480-0387

STATE OF MARYLAND — EARL D. COLLINS — 21679 — PROFESSIONAL ENGINEER

GP-02-68

SITE DEVELOPMENT PLAN, SEDIMENT, EROSION CONTROL PLAN, NOTES & DETAILS

MINOR SUBDIVISION

BLUEBERRY HILL

LOTS 1,2 & 3

TAX MAP No: 13 PARCEL 94 GRID 12

FOURTH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

SCALE: 1"= 50' DATE: DECEMBER, 2001

SHEET 1 OF 1

W:\Drawings\6617\Blueberry Hill\Sep-Hole-1 2 3.dwg, 12/05/2001 11:09:21 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: CLARKE P+H INC Telephone #: 410-489-4029
Address: 3510 Ridge Rd
Westminster, MD 21157

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:
Name (Print): KEN CLARKE License# 3808
*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: Hamilton Reed Telephone #: 410-480-9146
Subdivision: Blueberry Hill Lot #: 1 Well Tag #: HO-94-8757
Site Address: 2660 Daisy Rd

Submersible Pump Data	Pitless Adapter	Well Cap and Electric Conduit
Make: Goulds	Make: Harvard	Two piece watertight cap: ✓
Model #: 7SB07422	Model#: P-T-800	Screened, vented well cap: ____
Pump Capacity 7 GPM	Depth: 42 (36" min)	Cap secured to casing: ____
Well Yield: 6 GPM	NSF approved: ____	Conduit min 18" B.G.: ✓
		Conduit secured to well cap: ✓

Depth of well encountered at time of pump installation: 180 (feet)
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: Plastic	PVC sleeved to undisturbed soil at wall penetration: ✓
PSI: ✓ (160 psi min)	Approximate length of sleeve: 15'
Depth of supply line: 42 (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.

Ken Clarke 3-25-03
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: 3/17/03 (SO) 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)

STATE OF MARYLAND
WELL COMPLETION REPORT

FILL IN THIS FORM COMPLETELY
PLEASE TYPE

SEQUENCE NO. (MDE USE ONLY): 1 07847

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED. OK SRK 8/13/00

COUNTY NUMBER: A5111 32-A

ST/CO USE ONLY
DATE Received MM DD YY: 8 13

DATE WELL COMPLETED: MM 08 DD 04 YY 00 (15 20)

Depth of Well: 22 185 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL": HO-94-2757 (28 29 30 31 32 33 34 35 36 37)

OWNER: last name BRS Developers first name

STREET OR RFD: Daisy Road TOWN: Woodbine

SUBDIVISION: Blueberry Hill SECTION: LOT: 1

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	
Brown Shale	2	50	✓
Brown Slate	50	60	
Blue Slate	60	80	
Brown Slate	80	85	✓
Blue Slate	85	185	

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.: M S D 117
Ralph E. Wagner
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO.: __ D ___
SAME

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] (44) no [N] (44)

TYPE OF GROUTING MATERIAL (Circle one)
CEMENT [C M] (45 46) BENTONITE CLAY [B C]

NO. OF BAGS 7 NO. OF POUNDS 175 (45 46)

GALLONS OF WATER 102

DEPTH OF GROUT SEAL (to nearest foot)
from 0 (48 TOP 52) ft. to 30+ (54 BOTTOM 58) ft.
(enter 0 if from surface)

CASING RECORD
casing types insert appropriate code below

[S T] STEEL [C O] CONCRETE [P L] PLASTIC [O T] OTHER

MAIN CASING TYPE	Nominal diameter top (main) casing (nearest inch)!	Total depth of main casing (nearest foot)
PL (60 61)	6 (63 64)	20 (66 70)

OTHER CASING (if used)

EACH CASING	diameter inch	depth (feet) from	to

SCREEN RECORD
screen type or open hole — insert appropriate code below

[S T] STEEL [B R] BRASS BRONZE [H O] OPEN HOLE [P L] PLASTIC [O T] OTHER

C 2 (1 2)

DEPTH (nearest ft.)

EACH SCREEN			
1	HO (8 9)	68 (11 15)	185 (17 21)
2	(23 24)	(26 30)	(32 36)
3	(38 39)	(41 45)	(47 51)

SLOT SIZE 1 ___ 2 ___ 3 ___

DIAMETER OF SCREEN ___ (56 60) (NEAREST INCH)

from ___ to ___

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 (70) (E.R.O.S.) (72) W Q (74 75 76)

TELESCOPE CASING | LOG INDICATOR | OTHER DATA

C 3 (1 2)

PUMPING TEST
HOURS PUMPED (nearest hour): 3 (8 9)

PUMPING RATE (gal. per min.): 15. (11 15)

METHOD USED TO MEASURE PUMPING RATE: Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING: 19 (17 20) ft.

WHEN PUMPING: 20 (22 25) ft.

TYPE OF PUMP USED (for test) (27)
- [A] air
- [P] piston
- [T] turbine
- [C] centrifugal
- [R] rotary
- [O] other (describe below)
- [J] jet
- [S] submersible

PUMP INSTALLED
DRILLER INSTALLED PUMP (CIRCLE) (YES or NO): YES NO

IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.

TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29. (29)

CAPACITY: GALLONS PER MINUTE (to nearest gallon) (34 35)

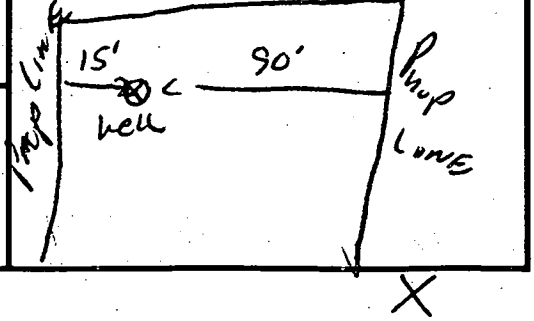
PUMP HORSE POWER (37 41)

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

CASING HEIGHT (circle appropriate box and enter casing height)
- [+] above (49)
- [−] below (49)

LAND SURFACE 2 (nearest foot) (50 51)

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



DENV-CR97

② COUNTY

Page ____ of ____
Date Aug 4 - 2000

Review OK SEN 8/13/00

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-2757
Location of property (road) Daisy Road
Subdivision Blueberry Hill Lot 1 Block ____ Plat ____ Sec. ____
Well Driller R. Maurer Owner BRS Developers

Depth of well 185'
Distance of measuring point (M.P.) above ground 2'
Static water level (S.W.L.) below M.P. 15'

I. High rate pumping -- reservoir drawdown

Time pump started 8:00 Pumping rate 15 GPM
Total time 15 min to reach pumping water level 20 ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute intervals	WATER LEVEL below M.P.	PUMPING RATE time to fill 5 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
8:15	20 ft	4 Sec		15 GPM
8:30	20 "	4 Sec		15 GPM
8:45	20 "	4 Sec		15 GPM
9:00	20 "	4 "		15 "
9:15	20 "	4 "		15 "
9:30	20 "	4 "		15 "
9:45	20 "	4 Sec		15 GPM
10:00	20 "	4 Sec		15 GPM
10:15	20 "	4 Sec		15 GPM
10:30	20 "	4 "		15 "
10:45	20 "	4 "		15 "
11:00	20 "	4 Sec		15 GPM
11:15	20 "	4 Sec		15 GPM

HD-224 20 ft Casing 30 ft. open 17 days

Page ____ of ____ → 3hr yield

Review ____

Date 8/4/00

Casing 70'
Open 30'
175gpm RJP 8/4/00

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-2757
Location of property (road) Daisy Road
Subdivision Blueberry Hill Lot 1 Block ____ Plat ____ Sec. ____
Well Driller R. Mayne Owner BRS Developers

Depth of well 185'
Distance of measuring point (M.P.) above ground 2'
Static water level (S.W.L.) below M.P. 19'

I. High rate pumping -- reservoir drawdown

Time pump started 8:00 Pumping rate 15gpm
Total time 45 min to reach pumping water level 70' ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute intervals	WATER LEVEL below M.P.	PUMPING RATE time to fill 5 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
11:00	70'	4sec		15gpm
			water clear	
			No Sample Taken	

HD-224

EMERGENCY/TEMP NO. IF ANY

B 1 | 18658 (1 2 3 6) SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND
PERMIT TO DRILL WELL

W5 1367 please print or type

STATE PERMIT NUMBER: HO-94-2757-A (70 79) fill in this form completely

Date Received (APA): 07|10|00 (8 MM DD YY 13)

OWNER INFORMATION

BNS Developens LLC
15 Last Name — Owner — First Name 34

8808 Centre Park Dr, Suite 205
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 MD
Address

Ralph Mayne 7-10-00
Signature Date

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
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-94-2757 (70 71 72 73 74 75 76 77 78 79)

B 3 LOCATION OF WELL

Howard
8 COUNTY 21

Blue Berry Hill
23 SUBDIVISION 42

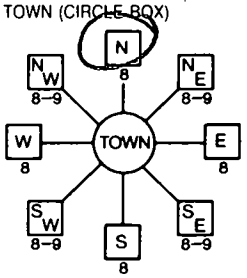
SECTION — (44 46) LOT I (48 50)

Daisy
52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town): 2 (73 M I 76 77 78)

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Daisy Rd
11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX): NORTH (N) WEST (W) 32 (E) EAST (S) SOUTH

34 600 37 DISTANCE FROM ROAD

ENTER FT OR MI (A) 38 39

TAX MAP: ____ BLK: ____ PARCEL ____

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD A 511132
COUNTY NAME COUNTY NO.

STATE SIGNATURE ____ INSERT S → 41

DATE ISSUED 07|26|00 DRILLER 00 07|25|01
43 MM DD YY 48 CO SIGNATURE EXP. DATE

NORTH GRID 534 000 (50 55)

EAST GRID 0781 000 (57 63)

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

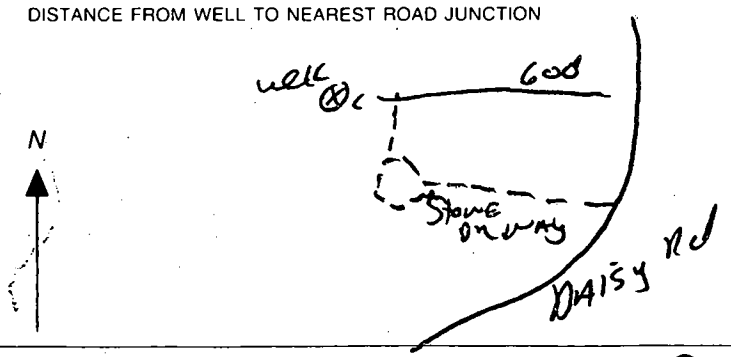
8/4/00 Grout 8am

SOURCES OF DRILLING WATER
1. well
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 781 000
N 534 000

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 -

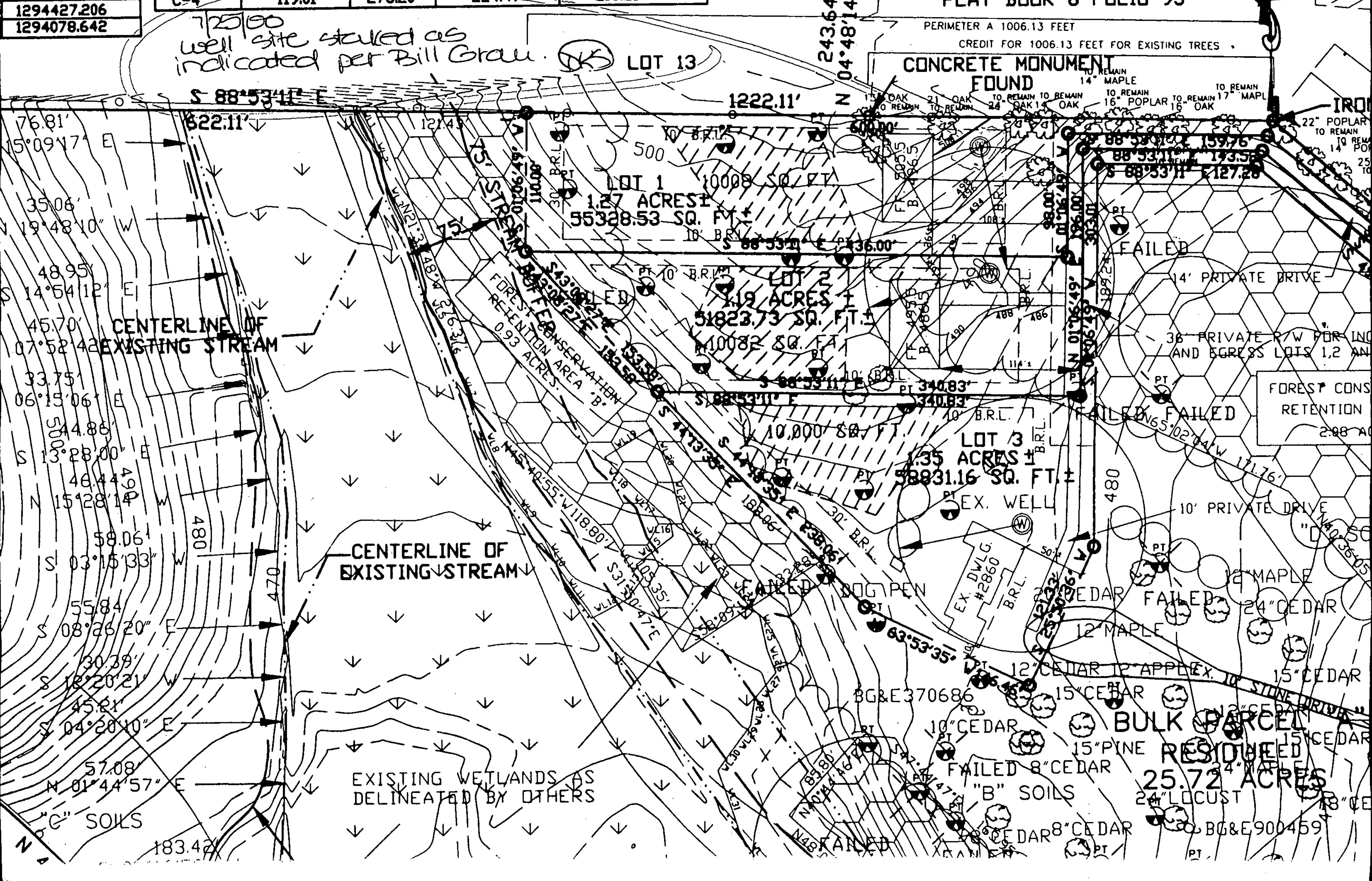
DENV-Permit 97

② COUNTY

TABLE
EASTING
1293741.062
1292799.158
1292856.765
1294427.206
1294078.642

CURVE TABLE

CURVE	TANGENT	RADIUS	ARC LENGTH	CHORD LENGTH
C-1	101.58'	233.20'	191.60'	186.26'
C-2	74.63'	501.28'	148.18'	147.64'
C-3	80.59'	541.28'	160.00'	159.42'
C-4	119.01'	273.20'	224.47'	218.21'



PIPE FOUND
MAP OF
RIVER FARMS INC.
PLAT BOOK 8 FOLIO 93
PERIMETER A 1006.13 FEET
CREDIT FOR 1006.13 FEET FOR EXISTING TREES
CONCRETE MONUMENT FOUND
7/25/00 well site staked as indicated per Bill Grau. DKS
LOT 13
S 88°53'11" E
622.11'
1222.11'
N 04°48'14" E
243.64'
LOT 1
1.27 ACRES±
55328.53 SQ. FT.±
10008 SQ. FT.
LOT 2
1.19 ACRES ±
51823.73 SQ. FT.±
10082 SQ. FT.
LOT 3
1.35 ACRES±
58831.16 SQ. FT.±
10,000 SQ. FT.
75' STREAM BUFFER
FOREST CONSERVATION RETENTION AREA 'B'
0.93 ACRES
CENTERLINE OF EXISTING STREAM
EXISTING WETLANDS AS DELINEATED BY OTHERS
"C" SOILS
"B" SOILS
14' PRIVATE DRIVE
36' PRIVATE R/W FOR INGRESS AND EGRESS LOTS 1,2 AN
10' PRIVATE DRIVE
FOREST CONS RETENTION
2.88 AC
EX. WELL
EX. DWLG. #2860
DOG PEN
FAILED
BULK PARCEL RESIDUE
25.72 ACRES
BG&E370686
BG&E900459
EX. 10' STONE DRIVE

APPLICATION

PERCOLATION TESTING

A 51132

P _____

DISTRICT _____

DATE 12-3-98

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 THOMAS SCAVENGER

ADDRESS c/o 10805 HICKORY RIDGE ROAD COLUMBIA MARYLAND PHONE 410 740-2100

AGENT ~~OR PROSPECTIVE BUYER~~ LAND DESIGN & DEVELOPMENT INC

ADDRESS 10805 HICKORY RIDGE ROAD #215 PHONE 410-740-2100
COLUMBIA, MD 21044

PROPERTY LOCATION:

SUBDIVISION DAISY ROAD LOT NO. 3 (1)

ROAD AND DESCRIPTION 2680 ~~#2650~~ DAISY ROAD WEST SIDE OF DAISY ROAD
APPROXIMATELY 2100' NORTH OF UNION CHAPEL & DAISY ROAD

TAX MAP 13 PARCEL # 94 GRID 12

SIZE OF LOT 51,579 ±± TYPE BLDG. SINGLE FAMILY
(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. DONALD R. REUTER JR.
(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)

511132
COUNTY #

SOIL PROFILE (C)

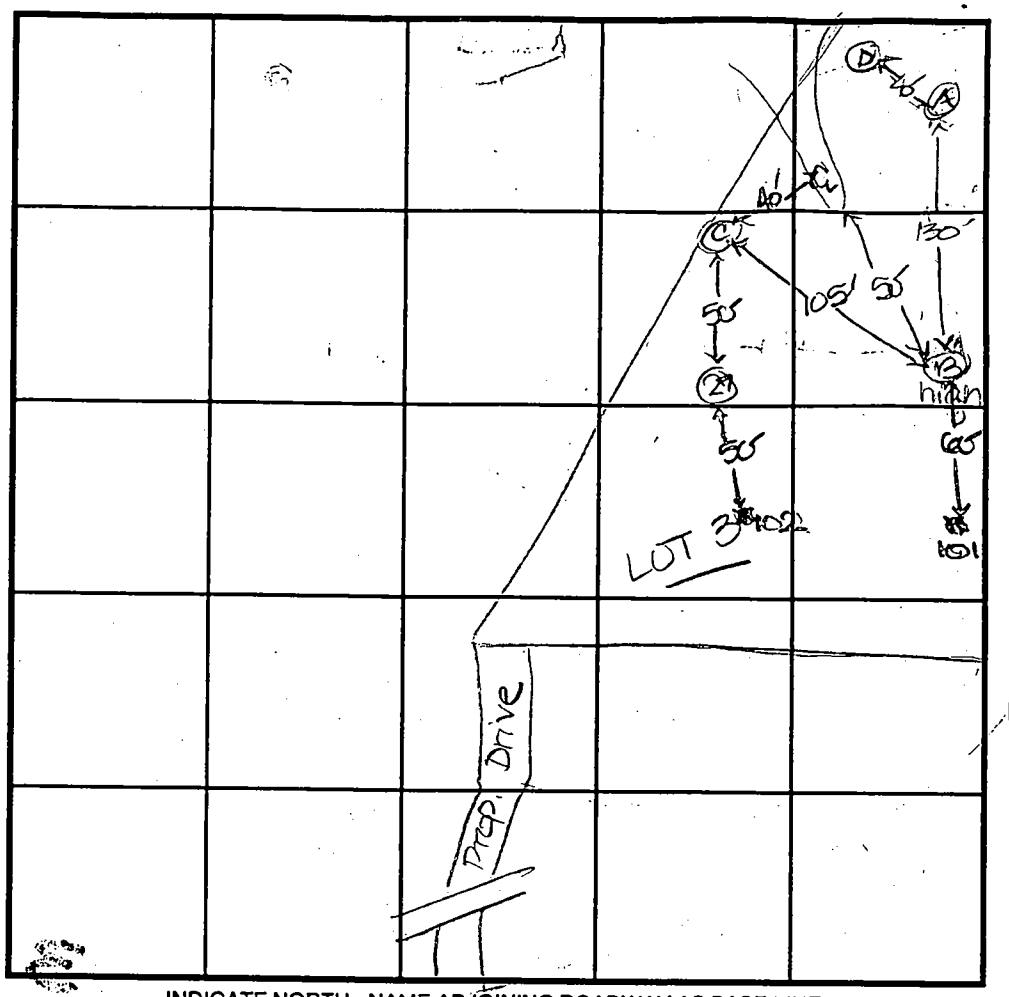
0'
1' topsoil
red brn cl Lm
4'
4.5 pale org tan si Lm w/some mica
25% rock frag
12'

(B)

0'
1' topsoil
red brn Cl Lm
3.5'-4' pale org tan si Lm w/some mica
10-15% rock frag
12'

(A)/(D)

0'
1' topsoil
red org brn Cl Lm
3.5'-4' lt org brn Si Lm
25% rock frag
12'



SOIL PROFILE (27)

0'
1' topsoil
org red brn Cl Lm
4'
lt org brn si Lm
15% rock frag
12'

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
3-8-99	C	4.0'S	12:45	12:59	12:59	1:25	26
		12.0'D	visual	-See	profile		OK
	B	4.0'S	12:54	12:58	12:58	1:05	7
		12.0'D	Visual	-See	profile		OK
	A	4.5'S	1:08	1:10	1:10	1:18	8
		12.0'D	Visual	- See	profile		OK
	D	12.0'D	Visual	- See	profile		OK
	27	12.0'D	Visual	- See	profile		OK

REMARKS holes (A) thru (D) tested as staked

TYPE OF SOIL

TESTED BY D. Soe ALSO PRESENT M. Johnson, S. Ellis

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

COUNTY #

SOIL PROFILE

102

0' topsoil

1' red org brn cl Lm

3' pale red org beige si Lm

20% rock

12

101

0'

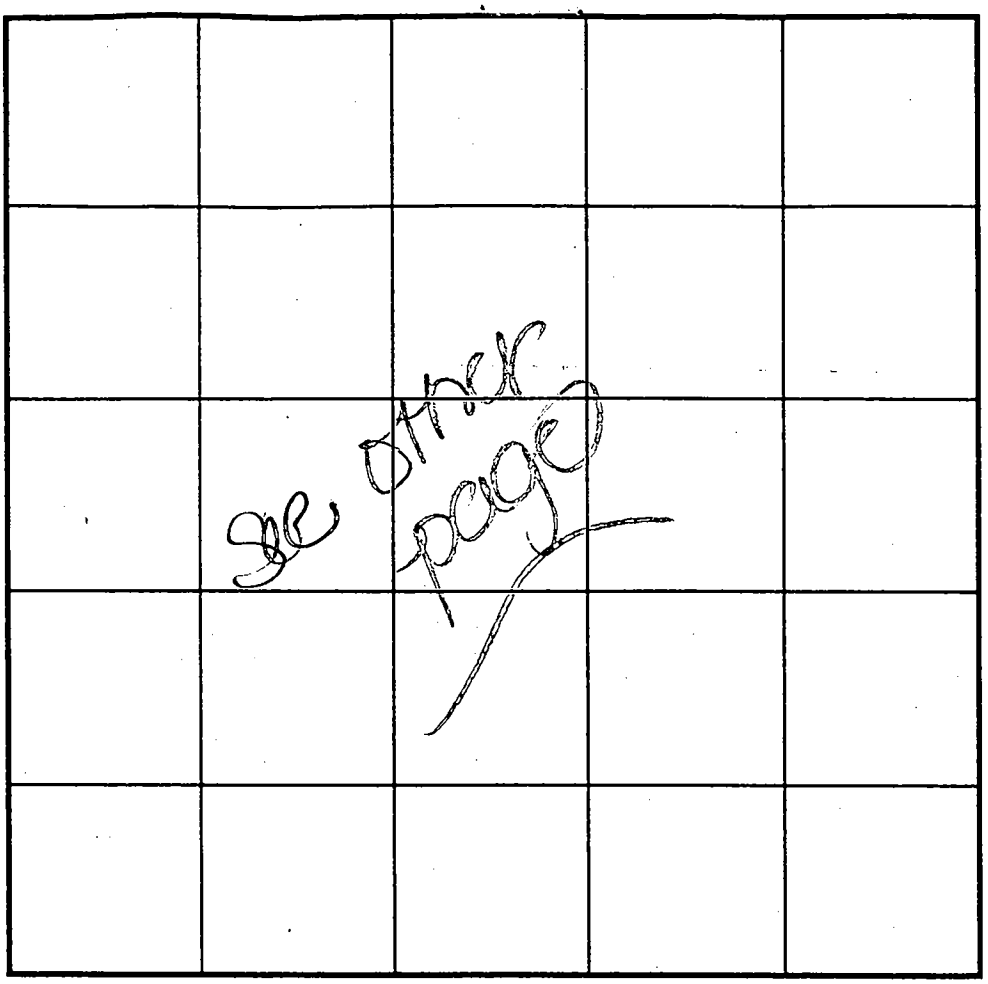
1' topsoil

org brn cl Lm

3½ pale org tan to beige si Lm

10-15% rock

13'



SOIL PROFILE

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
8-20-99	102	3.5'S	11:37	11:40	11:40	11:43	3
		12.0'D	Visual	- See	profile		OK
	101	4.0'S	12:12₃	12:15₃	12:15₃	12:21	6
		13.0'D	Visual	- See	profile		OK

REMARKS _____

TYPE OF SOIL _____

TESTED BY D. Soe ALSO PRESENT M. Johnson S. Ellis

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

copy of signed Perc Cert

595800

1294400

LOT 12

MAP OF
RIVER FARMS INC.
PLAT BOOK 8 FOLIO 93

LOT 13

PIPE FOUND

CONCRETE MONUMENT FOUND

IRON PIPE FOUND (4)

IRON PIPE FOUND ON LINE

EXISTING PAVING

RAIL

1292900

5800

S 88°53'11" E

1222.11'

N 04°48'14" E 243.64'

600.00'

S 01°06'49" W 100.00'

S 01°06'49" W 200.00'

N 01°06'49" E 309.01'

S 88°53'11" E 156.47'

S 88°53'11" E 142.94'

S 88°53'11" E 129.41'

S 49°59'35" E 455.06'

LOT 1
1.24 AC.±
54109.56 SQ.FT.±

10008 SQ. FT.

S 88°53'11" E 140.00'

LOT 2
1.15 ACRES±
50119.61 SQ. FT.±

10032 SQ. FT.

S 88°53'11" E 342.83'

10,000 SQ. FT.

LOT 3
1.30 AC.±
56783.77 SQ.FT.±

EX. WELL

S 43°08'27" E 153.58'

S 44°45'35" E 238.06'

NON-BUILDABLE
PARCEL A
25.84 ACRES±
1,125590.4 SQ. FT.±

FAILED

FAILED FAILED

FAILED DOG PEN

S 15°09'1" E 68

35.06
N 19°48'10" W

49.95
S 14°54'12" E

N 07°52'42" W 75.0

33.75
S 06°15'06" E

44.86
S 13°28'00" E

46.44
N 15°28'14" W

58.06
S 03°15'33" W

55.84
S 08°26'20" E

30.39
S 12°20'21" W

45.21
S 04°20'10" E

N 01°44'5" E 5.08

183.42
S 06°16'58" W

N 46°49'51" W 1247.08'

EXISTING WETLANDS AS
DELINEATED BY OTHERS

100 YEAR FLOODPLAIN

63°53'35"

S 24°30'36" W 12.33'

BG&E3-0686

BG&E900459

12 MAPLE

24 CEDAR

12 CEDAR 12 APPLE

EX. 10' STONE DRIVE

15 CEDAR

15 PINE

FAILED 8 CEDAR

8 CEDAR

24 MAPLE

24 LOCUST

15 CEDAR

20 CEDAR

12 CEDAR

15 RISER

35' WETLAND BUFFER

S 04°50'25" W 387.97'

S 04°50'25" W 416.15'

L=191.61'

L=224.47'

ROAD

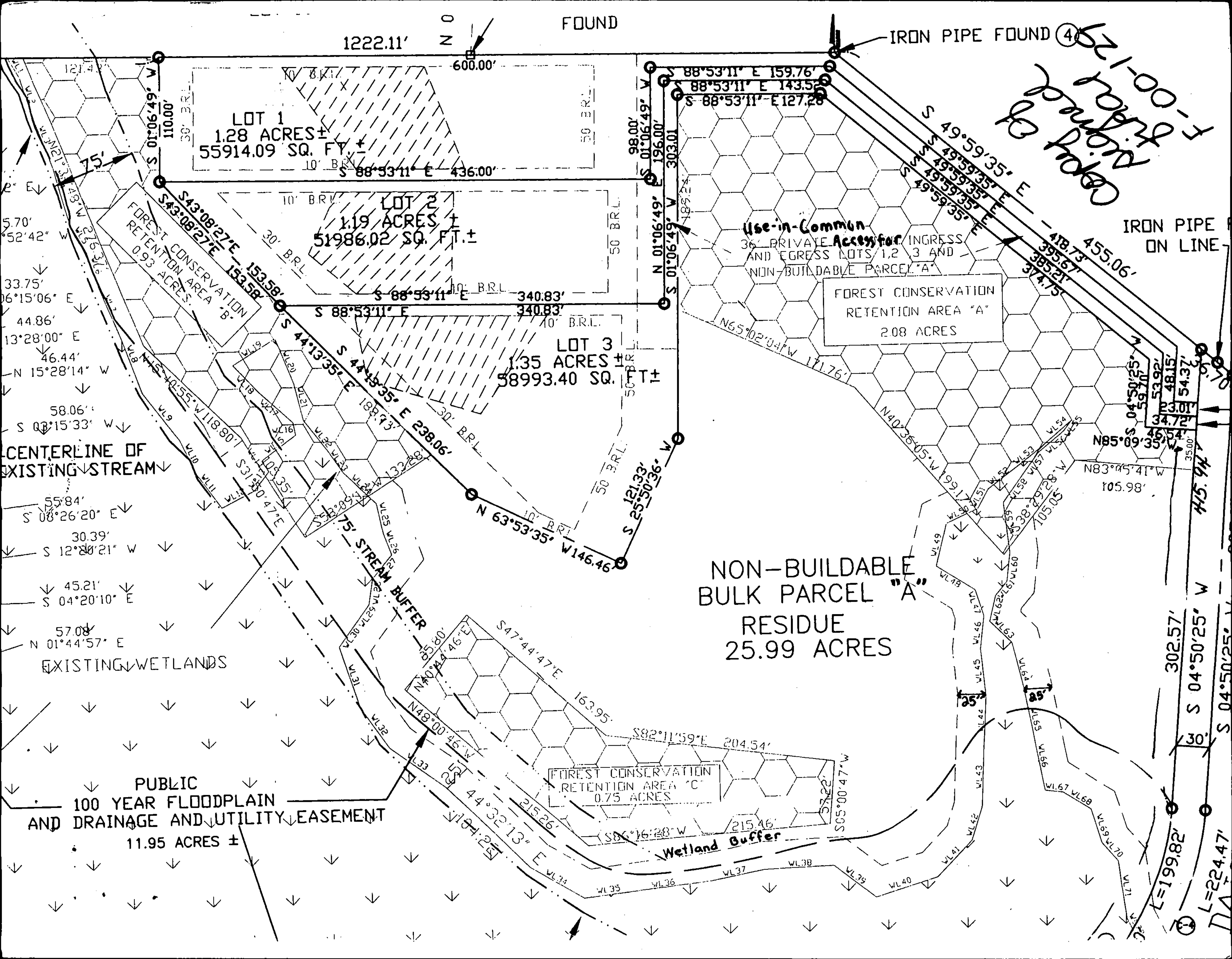
C&P 61

BG&E

BG&E 982

14900

12929


FOUND
1222.11'
600.00'
IRON PIPE FOUND
IRON PIPE ON LINE
LOT 1
1.28 ACRES±
55914.09 SQ. FT.±
LOT 2
1.19 ACRES ±
51986.02 SQ. FT.±
LOT 3
1.35 ACRES ±
58993.40 SQ. FT±
S 88°53'11" E 436.00'
S 88°53'11" E 340.83'
S 88°53'11" E 159.76'
S 88°53'11" E 143.52
S 88°53'11" E 127.28
S 01°06'49" W 110.00'
S 43°08'27"E 153.58'
S 44°13'35" E 238.06'
N 63°53'35" W 146.46'
S 25°50'36" W 121.33'
S 49°59'35" E 455.06'
Use-in-Common Access for
36' PRIVATE INGRESS AND EGRESS LOTS 1,2 3 AND NON-BUILDABLE PARCEL "A"
FOREST CONSERVATION RETENTION AREA "A" 2.08 ACRES
FOREST CONSERVATION RETENTION AREA "B" 0.93 ACRES
FOREST CONSERVATION RETENTION AREA "C" 0.75 ACRES
NON-BUILDABLE BULK PARCEL "A" RESIDUE 25.99 ACRES
CENTERLINE OF EXISTING STREAM
EXISTING WETLANDS
75' STREAM BUFFER
Wetland Buffer
PUBLIC 100 YEAR FLOODPLAIN AND DRAINAGE AND UTILITY EASEMENT 11.95 ACRES ±
S 04°50'25" W 302.57'
L=199.82'
L=224.47'
F-00-129
Added by
Mike B

B00139631

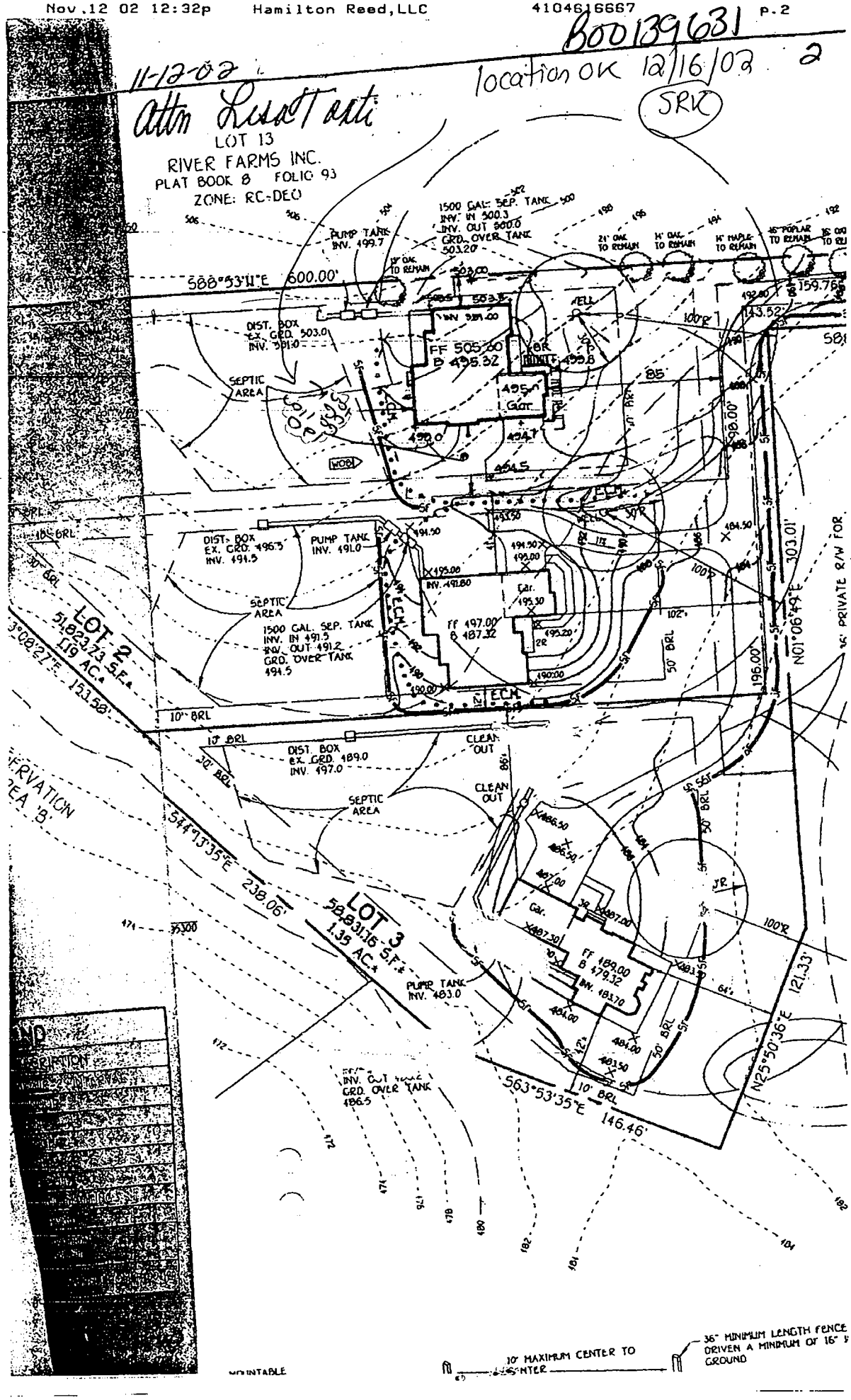
11-12-02

location OK 12/16/02 2

SRC

Attn Lisa Testi

LOT 13
RIVER FARMS INC.
PLAT BOOK 8 FOLIO 93
ZONE: RC-DEO



REGION _____ AREA _____ RATING _____

ACKNOWLEDGMENT AND CONTROLS	DATE

Howard County Department of Health

BUREAU OF ENVIRONMENTAL HEALTH

RECORD OF INVESTIGATION

DISPOSITION	DATE

LOCATION Woodbine ZIP 21797

OWNER ☒ OCCUPANT ☐ Gagon ADDRESS 2660 Daisy Rd PHONE 410-442-1600

COMPLAINANT same ADDRESS 2660 Daisy Road PHONE same

REASON FOR INVESTIGATION Septic odor emanating from back yard.

CODES

RECEIVED BY Mark Rifkin DATE 11 May 2004 ASSIGNED TO ~~Arron Hiecaft~~ Mark Rifkin DATE 11 May 2004

DATE OF INVESTIGATION 13 May 2004 TIME 11:00am WEATHER Sunny

REPORT Slight odor noted in backyard. Septic drainage field had no obvious signs of failure. Inspection of septic tanks revealed that the lids on the ~~clean out pipes~~ manholes did not create an effective seal. The homeowner was advised to ~~use silicon to~~ seal the ~~pipe~~ manhole, or to have the ~~pipe~~ manhole cut to fit the lid.

Additionally, a probe was used to determine if sufficient ground cover was on top of the septic tanks (>18"). The uphill side of the tanks had 18", while the downhill side had 12". The homeowner indicated she has been working with Howard County on erosion issues in her backyard. She was advised to add more ground cover on top of the tanks.

The homeowner inquired if these repairs were the fault of the builder, or were maintenance issues. She was told that a determination would be made by the well & septic supervisor. MR/AA

5/15/04 SUPERVISOR REPORTS NO ENFORCEMENT ISSUE; OWNER MUST ARRANGE WORK; T/C TO OWNER REPORTING SAME MR/AA

DATE SUBMITTED _____ SANITARIAN _____

FILE CLOSED

HD-172

REGION _____ AREA _____ RATING _____

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Howard County Department of Health

BUREAU OF ENVIRONMENTAL HEALTH

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Howard County Department of Health

BUREAU OF ENVIRONMENTAL HEALTH

RECORD OF INVESTIGATION

DISPOSITION	DATE

LOCATION Woodbine ZIP 21797

OWNER ☒ OCCUPANT ☐ Gagon ADDRESS 2660 Daisy Rd PHONE 410-442-1680

COMPLAINANT same ADDRESS 2660 Daisy Road PHONE same

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