

LAYOUT 8/16/02 3:00 INSP 4 9/4/02 1:00  
 INSP 2 8/29/02 1:00 INSP 5 \_\_\_\_\_  
 INSP 3 9/03/02 1:00 INSP 6 \_\_\_\_\_

# 360176

ISSUE DATE: 7/31/2002

P 517389

APPROVAL DATE: 9/5/02

A 50463-L

**INDEXED PERMIT**

House Connection & GRINDER PUMP

**ON-SITE SEWAGE DISPOSAL SYSTEM  
 HOWARD COUNTY HEALTH DEPARTMENT  
 BUREAU OF ENVIRONMENTAL HEALTH  
 301-854-6172**

Cornerstone Homes, Inc. (Hatfield's) IS PERMITTED TO INSTALL  ALTER

ADDRESS: 9691 Norfolk Avenue PHONE NUMBER: (410) 792-2565

SUBDIVISION: Riggs Meadow LOT NUMBER: 2

ADDRESS: 14605 Frederick Road PROPERTY OWNER: Cornerstone Homes, Inc.

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

PUMP CHAMBER CAPACITY (GALLONS): N/A COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: 180 NA

LINEAR FEET OF TRENCH REQUIRED: 240 NA

TRENCHES:	Trench to be 3.0 feet wide. Inlet 2.0 feet below original grade. Bottom maximum depth 4.0 feet below original grade. Effective area begins at 3.0 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Install 4" house connection sewer line per approved plan.
NOTES:	This permit is limited to the installation of the individual house connection sewer line and installation of the grinder pump. The Howard County Bureau of Utilities must be contacted prior to scheduling an inspection of these items.

PLANS APPROVED: Frank Skinner OK SRU 7/18/02 DATE: 5/2/02

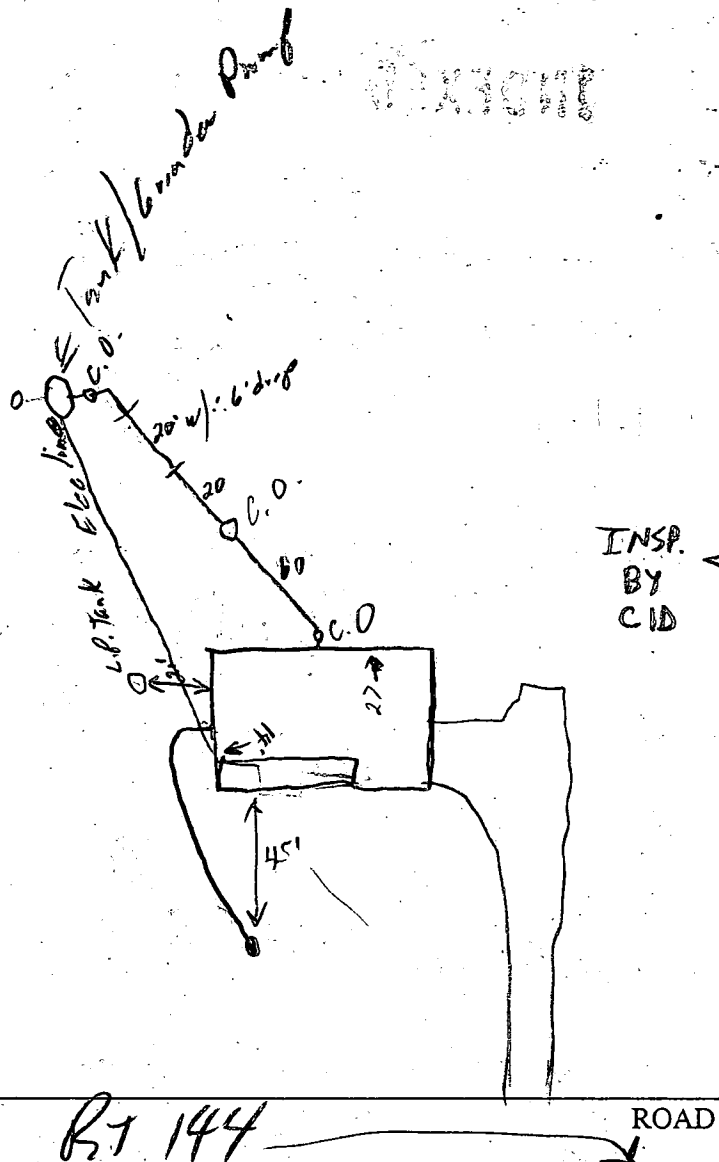
- NOTE: PERMIT VOID AFTER 2 YEARS
- NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100-FEET FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND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

**BUILDING PERMIT SIGNED AND RETURNED** 313-2640 FOR INSPECTION OF SEPTIC SYSTEM  
 7-29-02  
 BOOTH 466 - 46 PROPANE TANK  
 52903 BOOTH 437 - DECK + SCREENED AREA

A50463-L

NOT TO SCALE



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

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL _____	
CAPACITY	_____ GAL
SEAM LOC	_____
TANK LID DEPTH	_____
BAFFLES	_____
BAFFLE FILTER	_____
MANHOLE LOC	_____
6" PORT-LOC	_____
WATERTIGHT TEST _____	
SEPTIC TANK 2 LEVEL <u>NA</u>	
CAPACITY	<u>NA</u> GAL
SEAM LOC	<u>NA</u>
TANK LID DEPTH	<u>NA</u>
BAFFLES	<u>NA</u>
BAFFLE FILTER	<u>NA</u>
MANHOLE LOC	<u>NA</u>
6" PORT LOC	<u>NA</u>
WATERTIGHT TEST <u>NA</u>	

PRE-CONSTRUCTION \_\_\_\_\_

INSTALLATION 8/16/02 Septic line installed to Tank/Grinder pump (SO)

8/29/02 Cancelled (KN)

9/3/02 Pump distributor no show. Rescheduled for 1PM 9/4/02 (SO)

9/4/02 Pump dropped into chamber (SO)

9/5/02 RECEIVED FAX FROM MATT TUDER (SRK)

FINAL INSPECTOR Steven R. Kreg DATE OF APPROVAL 9/5/02

BUILDING PERMIT SIGNED AND RETURNED

**FAX**  
cover sheet



**Bureau of Utilities**  
8270 Old Montgomery Rd.  
Columbia, Md. 21045  
Tel. : 410 313 4900  
Fax : 410 313 4989

To: Water & Sewer Program

Date: 9/5/02 Number of pages including this one one

Fax Number: 2648

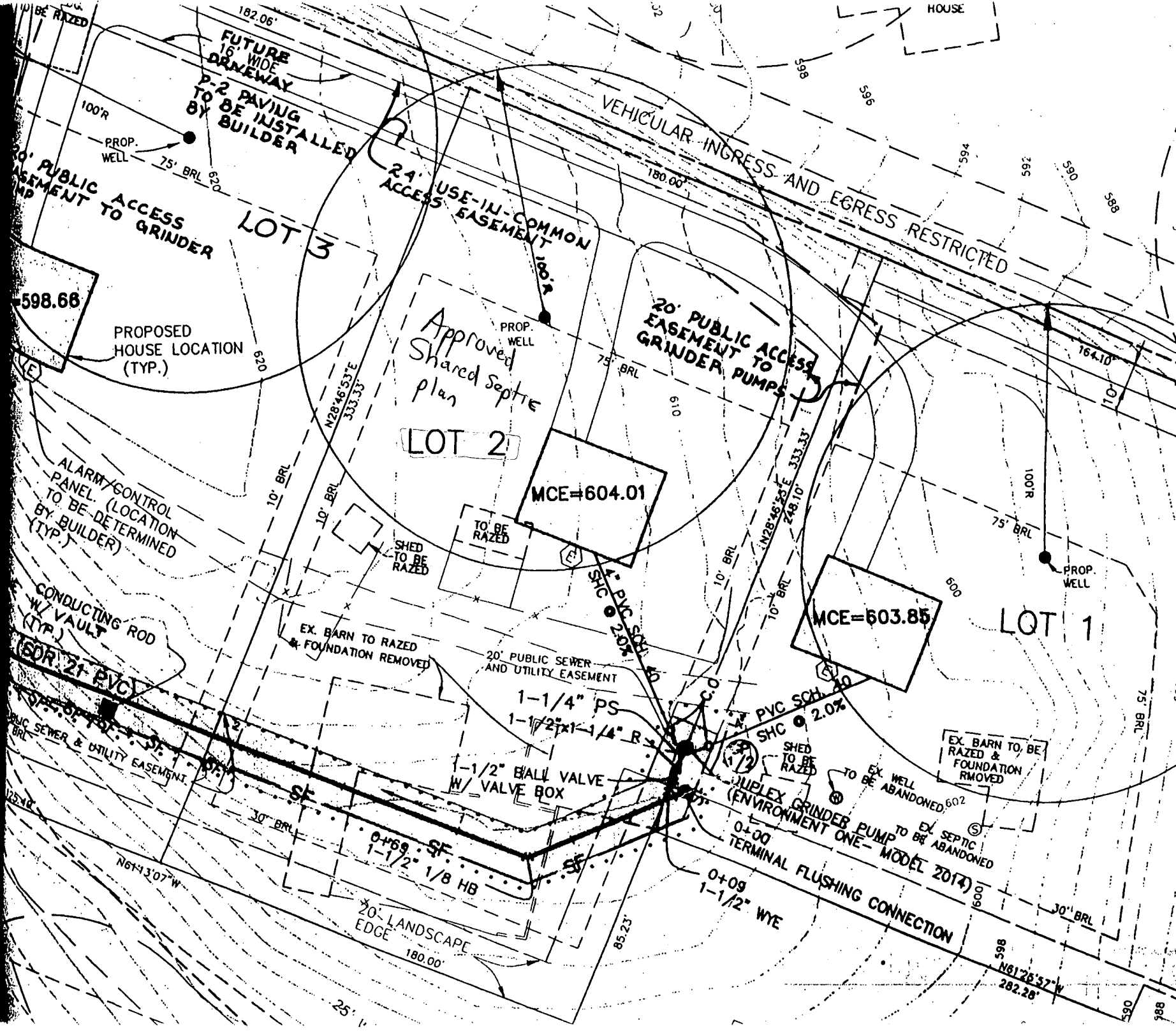
From: Matt Tudor

Comments: Riggs Meadow Shared Septic

Cornerstone Homes Lot #2  
14605 Frederick Road

The sewage grinder pump was installed  
and field-tested by Freeman Associates  
yesterday. This property is released to  
U&O by the Bureau of Utilities.

**DO NOT DISCARD**



TO BE RAZED

FUTURE 16' WIDE DRIVEWAY  
P-2 PAVING TO BE INSTALLED BY BUILDER

20' PUBLIC ACCESS EASEMENT TO GRINDER PUMP

24' USE-IN-COMMON ACCESS EASEMENT

VEHICULAR INGRESS AND EGRESS RESTRICTED

598.68

PROPOSED HOUSE LOCATION (TYP.)

Approved Shared Septic plan

20' PUBLIC ACCESS EASEMENT TO GRINDER PUMPS

LOT 2

MCE=604.01

TO BE RAZED

SHED TO BE RAZED

MCE=603.85

LOT 1

ALARM CONTROL PANEL TO BE DETERMINED BY BUILDER (TYP.)

CONDUCTING ROD W/ VAULT (TYP.)

EX. BARN TO BE RAZED & FOUNDATION REMOVED

EX. BARN TO BE RAZED & FOUNDATION REMOVED

20' PUBLIC SEWER AND UTILITY EASEMENT

1-1/4" PS

1-1/2" x 1-1/4" R

1-1/2" BALL VALVE W/ VALVE BOX

PVC SCH. 40 SHC 2.0%

SHED TO BE RAZED

EX. BARN TO BE RAZED & FOUNDATION REMOVED

EX. WELL TO BE ABANDONED 602

JUBLEY GRINDER PUMP TO BE ABANDONED (ENVIRONMENT ONE- MODEL 2074)

0+00 TERMINAL FLUSHING CONNECTION

0+09 1-1/2" WYE

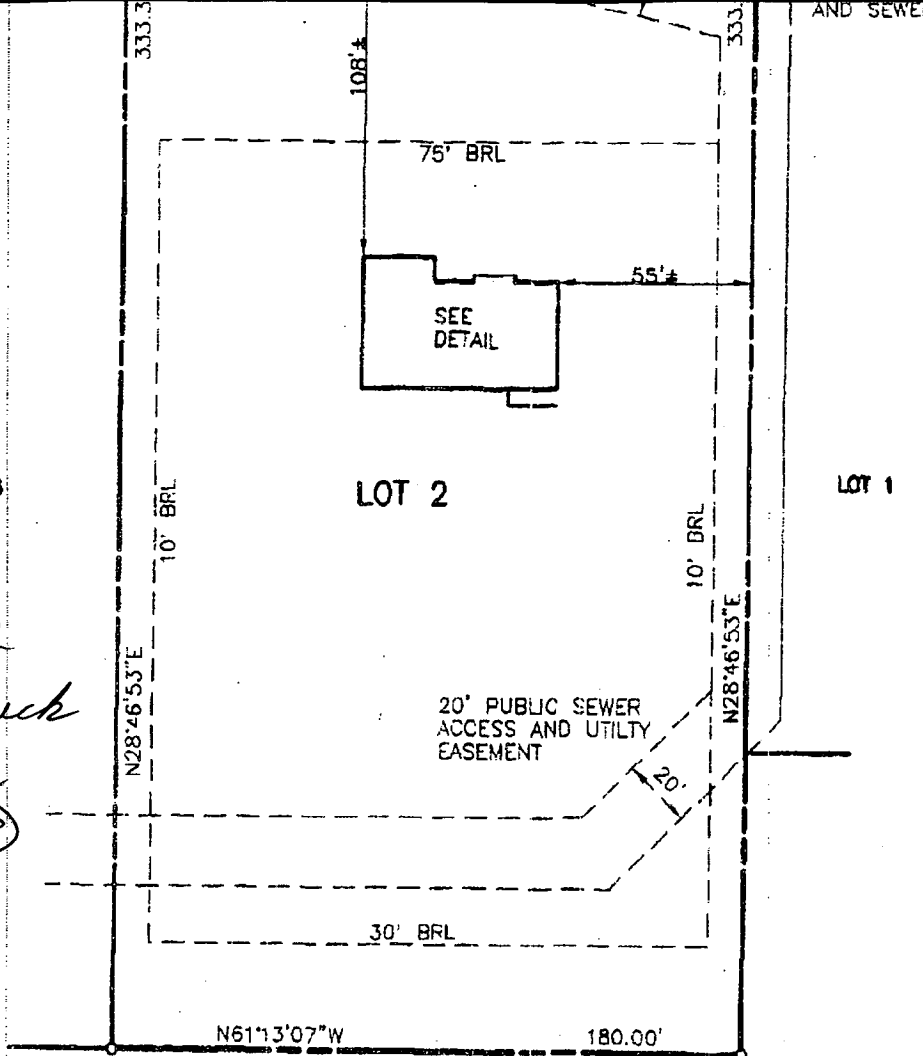
20' LANDSCAPE EDGE 180.00'

PUBLIC SEWER & UTILITY EASEMENT

N61°13'07"W

N61°28'52"W 282.28'

GRID NORTH



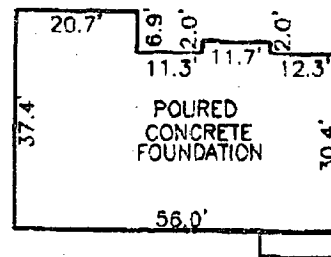
8/5/02  
 Wall Check  
 O.K.  
 BB

PRESERVATION PARCEL

TOP OF FOUNDATION WALL ELEVATION = 617.8'  
 OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 1'

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION AND BELIEF, THAT THE DIMENSIONS OF THE BUILDING WALLS SHOWN HEREON ARE CORRECT; THAT THEY ARE BASED ON A FIELD RUN SURVEY PERFORMED BY BENCHMARK ENGINEERING, INC. ON 05/17/02; AND THAT THE PROPERTY OUTLINE SHOWN HEREON IS BASED ON THE PLAT PREPARED BY BENCHMARK ENGINEERING, INC. ENTITLED "RIGGS MEADOW", AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY AS PLAT No. 12958



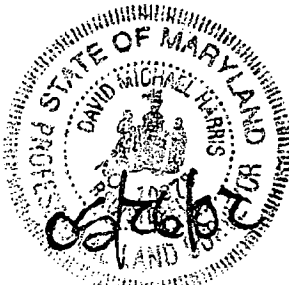
FOUNDATION DETAIL

SCALE: 1" = 30'

DAVID M. HARRIS  
 REGISTERED PROFESSIONAL LAND SURVEYOR  
 MD REG. No. 10978  
 FOR BENCHMARK ENGINEERING, INC.  
 MD REG. No. 351  
 RECORD PLAT No. 12958  
 FEMA FIRM No. 24C044 0008 B  
 ZONE: C  
 DATED: 12/04/86

**BENCHMARK**  
**ENGINEERING, INC.**

3400 BRITISH MANSION, PINE A BLVD 410  
 ELLOTT CITY, MARYLAND 21043  
 PHONE 410-462-8100 FAX 410-462-8844  
 WWW.BENCHMARKINC.COM



**WALL CHECK**  
**RIGGS MEADOW**  
 LOT No. 2

14605 FREDERICK ROAD  
 4TH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

SCALE: 1" = 50' DATE: 05/17/02

C1 14435 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

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

FILL IN THIS FORM COMPLETELY PLEASE TYPE

COUNTY NUMBER 13 A50463-I

ST/CO USE ONLY DATE RECEIVED MM DD YY

DATE WELL COMPLETED MM DD YY

Depth of Well (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" OK KG 3/22/02 HO-94-3343

OWNER Security Development Group (Security Development) STREET OR RFD R4144 TOWN COOKSVILLE SUBDIVISION RIGGS MEADOWS SECTION LOT 2

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 (Use additional sheets if needed), FEET (FROM, TO), check if water bearing. Includes handwritten entries: Sand, Gray Micaceous Rock, 0-35, 35-185.

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) YES (Y) NO (N) TYPE OF GROUTING MATERIAL (Circle one) CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 13 NO. OF POUNDS 1222 GALLONS OF WATER 78 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 35 ft.

CASING RECORD

MAIN CASING TYPE (ST) Nominal diameter top (main) casing (nearest inch!) 6 Total depth of main casing (nearest foot) 40

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

SCREEN RECORD

screen type or open hole (insert appropriate code below) (ST) BRASS (BR) HO OPEN HOLE (HO) (PL) PLASTIC (PL) OTHER (OT)

DEPTH (nearest ft.)

Table with columns: A, B, C, D, E, F, G, H, I, J, K, L, M, N. Includes handwritten entries: 37, 185.

DIAMETER OF SCREEN (NEAREST INCH) 56 60

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

HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 15 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 23 ft. WHEN PUMPING 30 ft. TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED

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

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

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

CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35

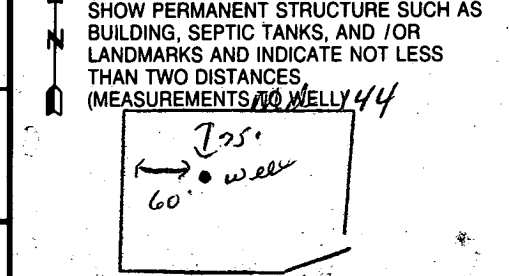
PUMP HORSE POWER 37 41

PUMP COLUMN LENGTH (nearest ft.) 43 47

CASING HEIGHT (circle appropriate box and enter casing height) (+) above (9) below

LAND SURFACE (3) (nearest foot)

LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL) 44



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. MS D024 DRILLERS SIGNATURE Joseph L. Mayre

LIC. NO. D

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

70 72 74 75 76

TELESCOPE CASING LOG INDICATOR OTHER DATA

B 1 7208

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HO-94-3343

fill in this form completely

W51650 please print or type

Date Received (APA)

02 11 02

OWNER INFORMATION

Security Development Corporation

P.O. Box 417

Ellicott City Md 21041

B 3

LOCATION OF WELL

Howard COUNTY

Reaper Meadow

SECTION 44 46 LOT 2 48 50

Cooksville

MILES FROM TOWN (enter 0 if in town) 0

DRILLER INFORMATION

Joseph R Mayne MS D024

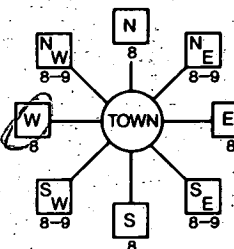
Joseph R Mayne Well Drilling

5512 Ridge Rd Mt. Airy Md 21771

Joseph R Mayne 2/8/02

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Md 144 - Frederick Pike

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

70

DISTANCE FROM ROAD ENTER FT OR MI

TAX MAP: 14 BLK: 10 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
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 A 50463-I

COUNTY NAME COUNTY NO.

STATE SIGNATURE INSERT S

DATE ISSUED 03/14/02 CO SIGNATURE 03/14/03

NORTH GRID 545 000 EAST GRID 0794 000

APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

- BORED (or Augered)
AIR-ROTARY
CABLE
JETTED
AIR-PERCussion
REVERSE-ROTARY
Jetted & DRIVEN
ROTARY (Hydraulic Rotary)
DRIVE-POINT

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- THIS WELL WILL NOT REPLACE AN EXISTING WELL
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 DEEPEM AN EXISTING WELL

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

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

APPROX. PERMIT NUMBER GAP

PERMIT No. HO-94-3343

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

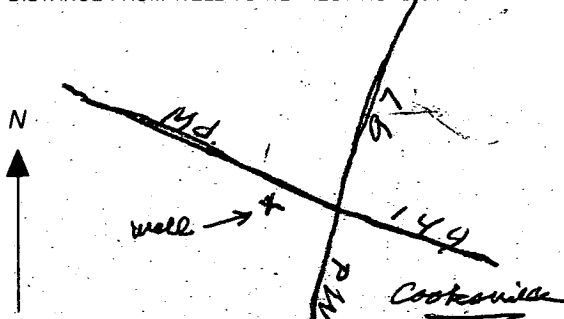
SOURCES OF DRILLING WATER

- well

WRITE THE BOX NUMBER FROM THE MAP HERE

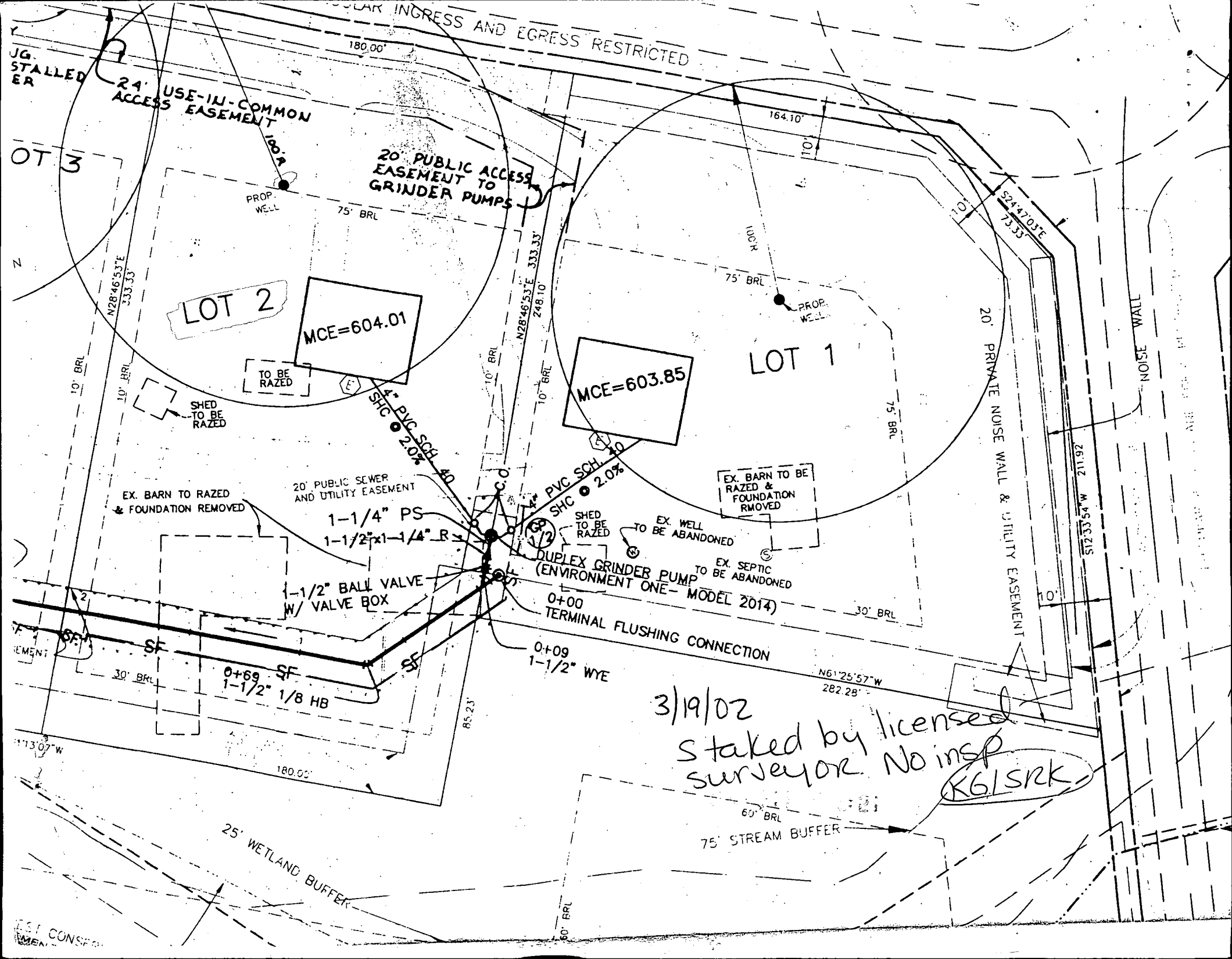
E 7924
N 545

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



P.176  
R.B. BELL  
L816 F.189

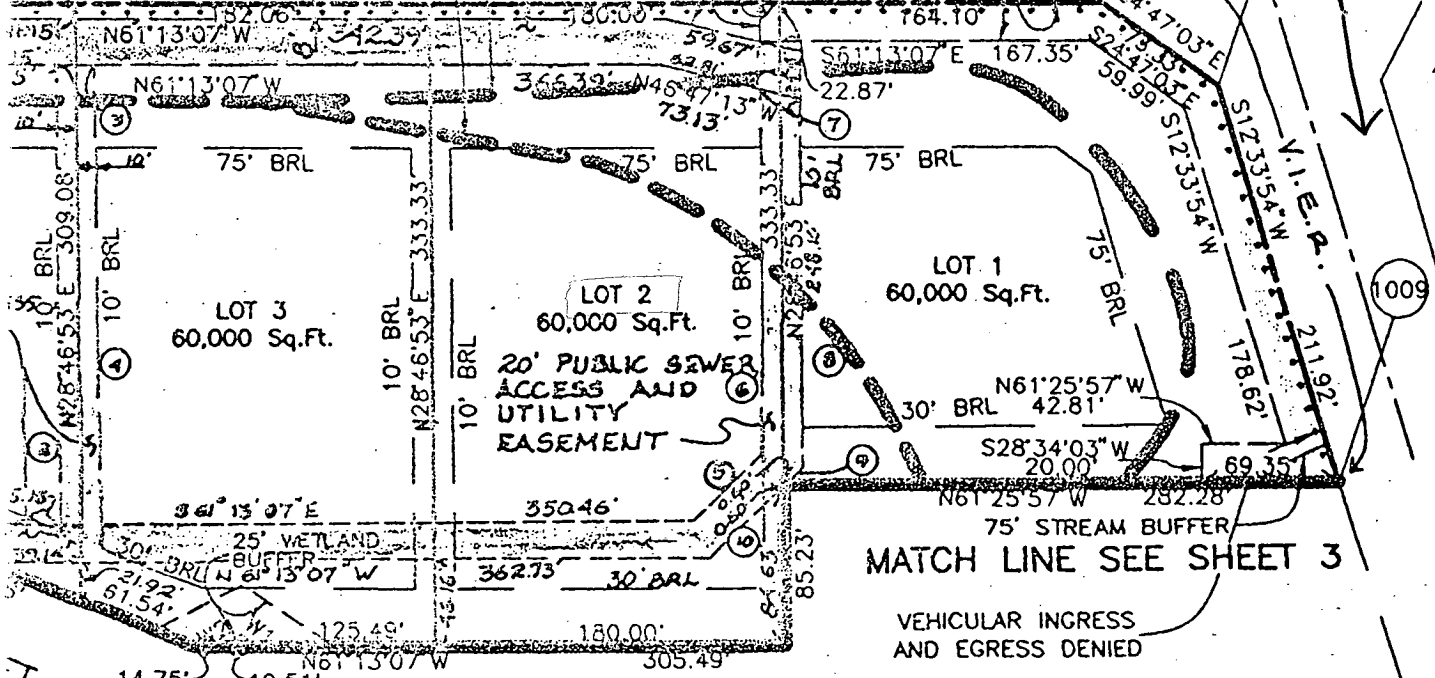
MD. RTE. 144 (SCENIC ROAD)  
30' ULTIMATE R/W MINOR ARTERIAL ROAD

P.117

LOCATION 65 dBA NOISE  
(2014) - POST-MITIGATION  
TYPE - WALL  
LOCATION 65 dBA NOISE  
(2014) - PRE-MITIGATION

24' USE-IN-COMMON  
ACCESS EASEMENT FOR THE  
INGRESS AND EGRESS TO  
LOTS 1 THROUGH 4. AND  
SEWER LINE.  
20' PRIVATE NOISE WALL  
MAINTENANCE EASEMENT  
(WALL TO BE PRIVATELY  
OWNED AND MAINTAINED)

VEHICULAR INGRESS AND  
EGRESS ACCESS PERMITTED



PRESERVATION PARCEL A

F97-41  
Signed plat

PART OF PRESERVATION PARCEL A  
 FOR THE PURPOSE OF ENVIRONMENTAL CONSERVATION  
 AREA THIS SHEET 26.94 Ac. ±  
 TOTAL AREA OF PARCEL 38.34 Ac. ±

100-YEAR FLOODPLAIN EASEMENT

PRIVATE SEPTIC  
 EASEMENT FOR  
 PRESERVATION PARCEL 'A'

20' GAS AND  
 UTILITY EASEMENT

PUBLIC SHARED SEPTIC  
 FACILITY AND UTILITY  
 EASEMENT FOR LOTS  
 1 THROUGH 4.

COMMUNITY SEPTIC AREA FOR  
 LOTS 1 TO 4. 41,247 SQ. FT.

20' PUBLIC  
 SURFACE  
 DRAINAGE +  
 UTILITY EASMT

PUBLIC SHARED  
 SEPTIC FACILITY  
 ACCESS AND  
 UTILITY  
 EASEMENT.

SYCAMORE SPRING COURT

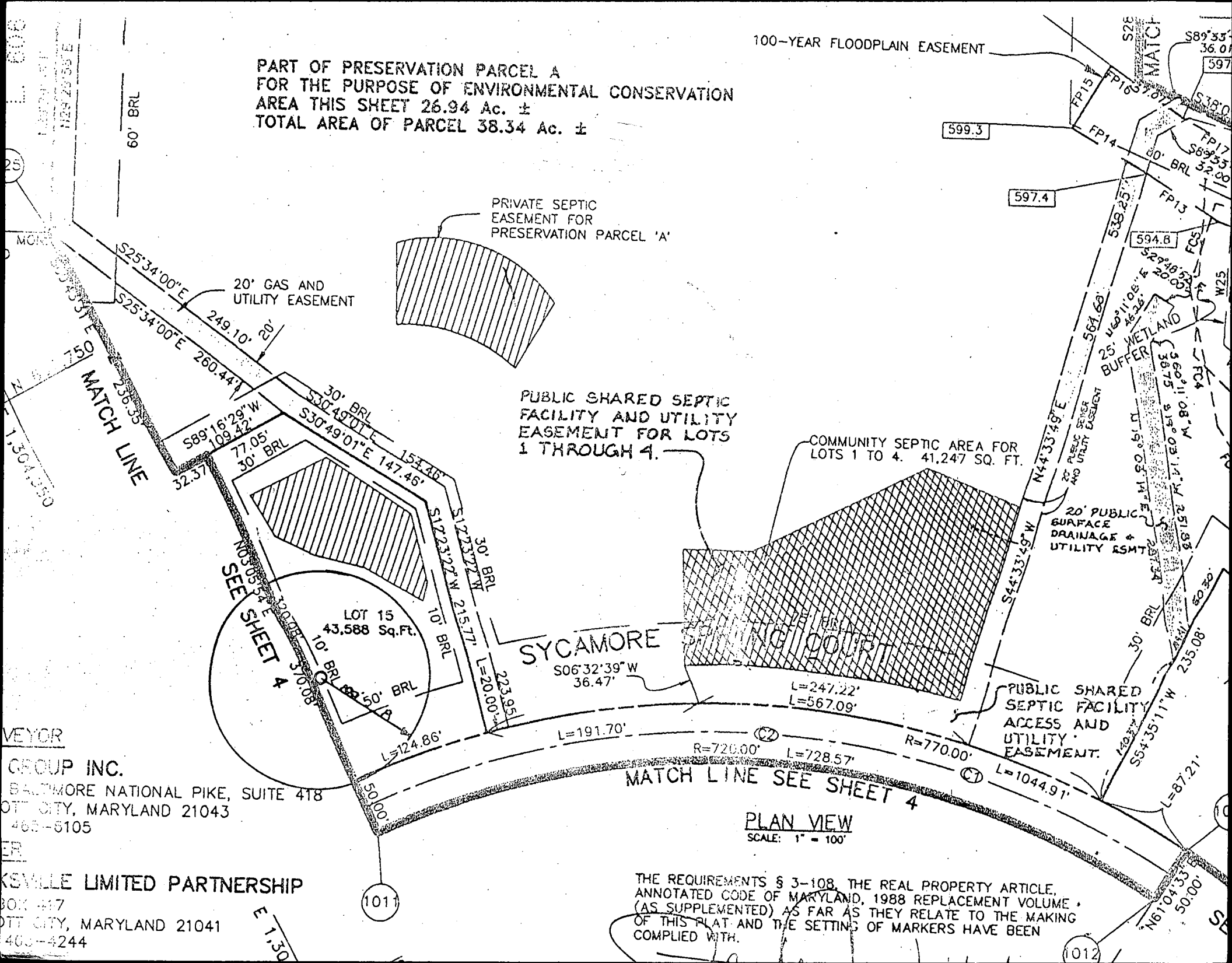
MATCH LINE SEE SHEET 4

PLAN VIEW  
 SCALE: 1" = 100'

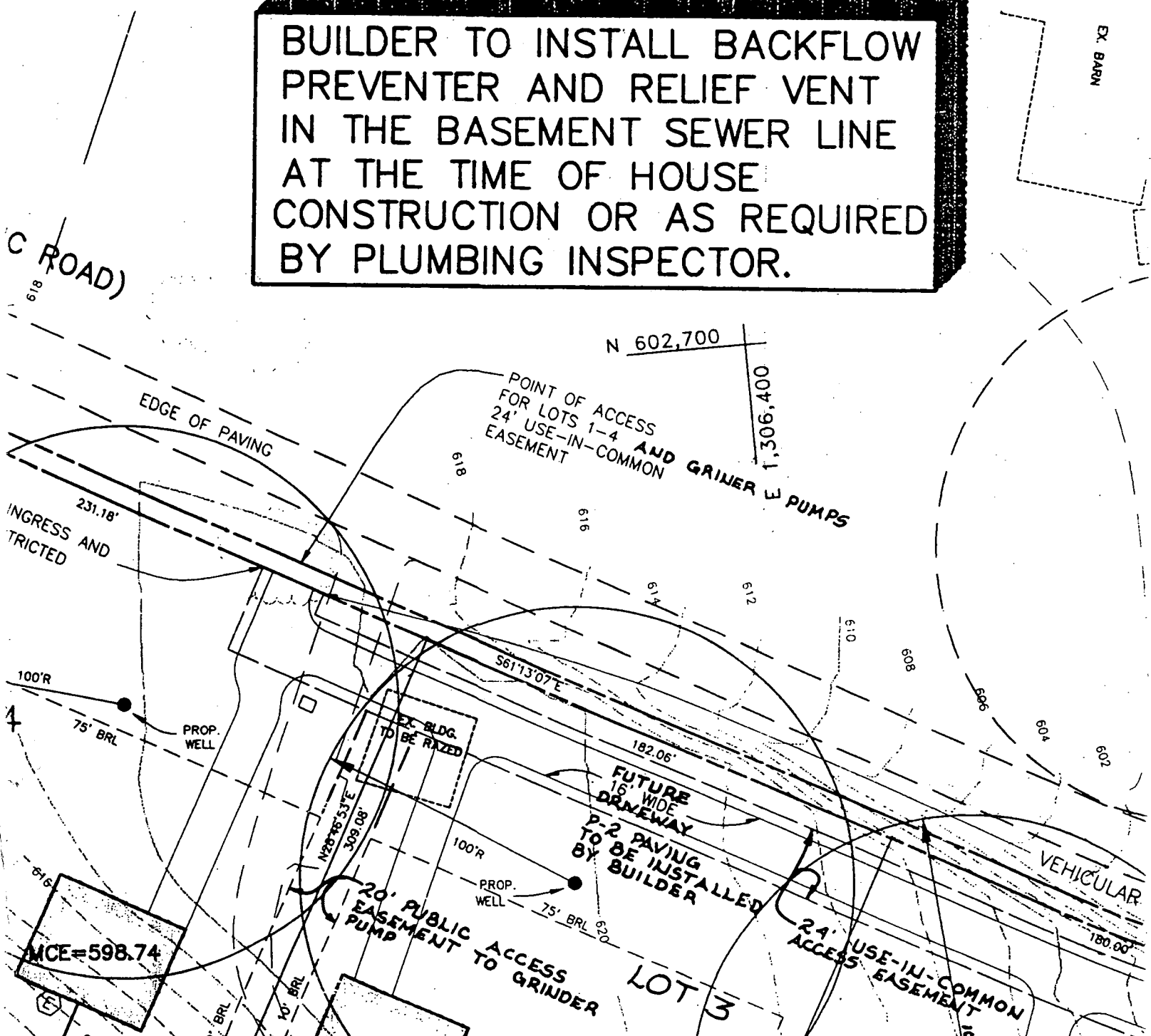
THE REQUIREMENTS § 3-108, THE REAL PROPERTY ARTICLE,  
 ANNOTATED CODE OF MARYLAND, 1988 REPLACEMENT VOLUME,  
 (AS SUPPLEMENTED) AS FAR AS THEY RELATE TO THE MAKING  
 OF THIS PLAN AND THE SETTING OF MARKERS HAVE BEEN  
 COMPLIED WITH.

MEYOR  
 GROUP INC.  
 BALTIMORE NATIONAL PIKE, SUITE 418  
 OTTUMMA CITY, MARYLAND 21043  
 410-6105

OTTUMMA LIMITED PARTNERSHIP  
 BOX 417  
 OTTUMMA CITY, MARYLAND 21041  
 410-4244



BUILDER TO INSTALL BACKFLOW PREVENTER AND RELIEF VENT IN THE BASEMENT SEWER LINE AT THE TIME OF HOUSE CONSTRUCTION OR AS REQUIRED BY PLUMBING INSPECTOR.

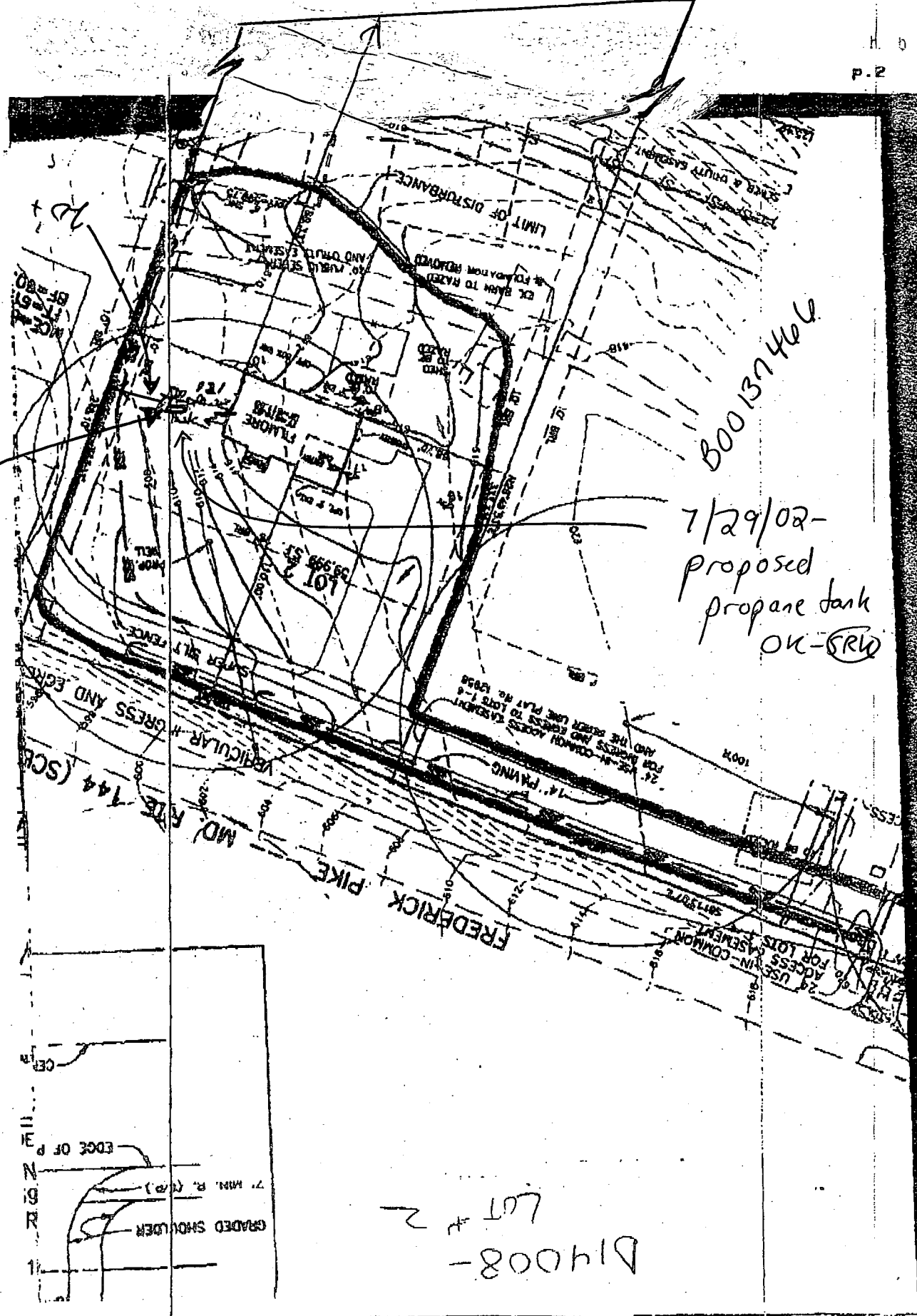


C ROAD)

EX. BARN

MCE=598.74

LOT 3

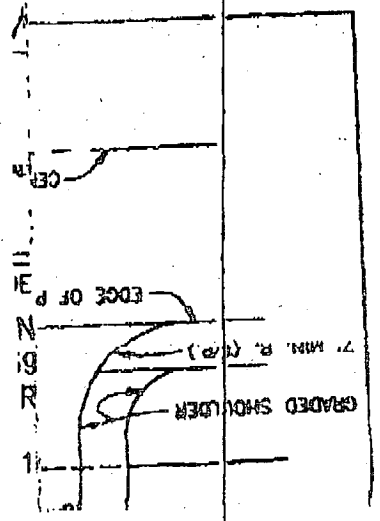


NEW TANK

800137466

7/29/02-  
Proposed  
propane tank  
OK - (SRW)

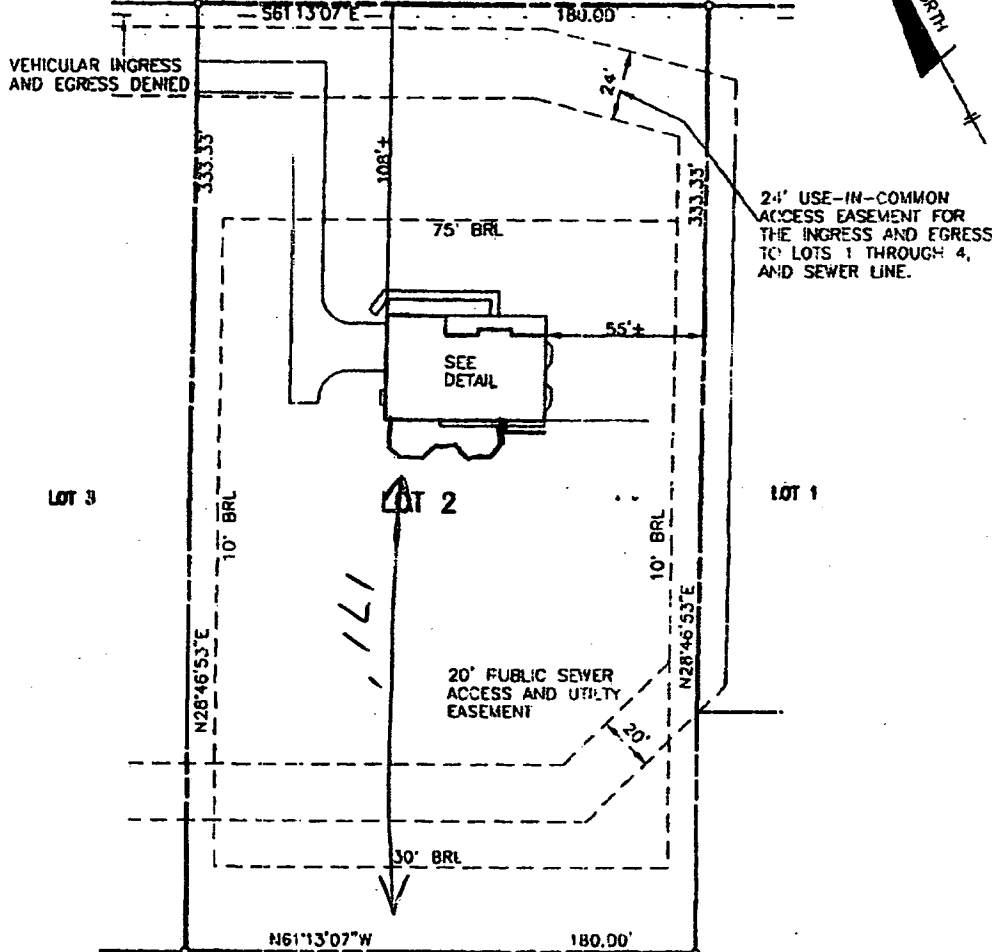
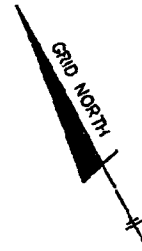
814008-  
LOT # 2



NOTE:

1. THIS DRAWING IS OF BENEFIT TO THE CONSUMER ONLY INsofar AS IT IS REQUIRED BY A LENDER OR A TITLE INSURANCE COMPANY OR ITS AGENT IN CONNECTION WITH CONTEMPLATED TRANSFER, FINANCING OR REFINANCING.
2. THE DRAWING IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATION OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS.
3. THE DRAWING DOES NOT PROVIDE FOR THE ACCURATE IDENTIFICATION OF PROPERTY BOUNDARY LINES, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR REFINANCING.
4. ALL BUILDINGS, STRUCTURES AND OTHER IMPROVEMENTS SHOWN HEREON ARE IN APPROXIMATE RELATION TO THE APPARENT BOUNDARY LINES.
5. DECLARATION IS MADE TO ORIGINAL PURCHASER OF THE DRAWING. IT IS NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS.
6. DRAWING IS VALID ONLY WITH BLUE-INK SEAL AND SIGNATURE OF SURVEYOR.

FREDERICK PIKE --- MD. RTE. 144 (SCENIC ROAD)  
 ( 60' ULTIMATE R/W MINOR ARTERIAL ROAD )



*Handwritten notes:*  
 BO0142137  
 5/29/03  
 Proposed  
 Deck G.K.  
 (BB)

**SURVEYOR'S CERTIFICATE**

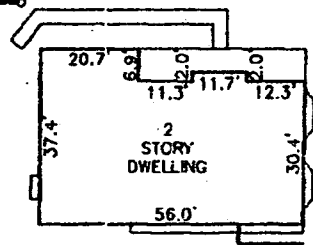
I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THE DWELLING(S) SHOWN ON THIS DRAWING LIES WITHIN THE LOT LINES SHOWN AS COMPILED FROM TITLE OR OTHER SOURCES. OTHER IMPROVEMENTS ARE FOR PICTORIAL PURPOSES ONLY. THIS DRAWING IS NOT A BOUNDARY SURVEY AND HAS BEEN PREPARED EXCLUSIVELY FOR TITLE PURPOSES ONLY. PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT.

*Signature of David M. Morris*  
 REG. No. 10978

RECORD PLAT No. 12958  
 FEMA FIRM No. 240044 0008 B  
 ZONE: C  
 DATED: 12/4/86

**BENCHMARK**  
**ENGINEERING, INC.**

2000 BULLHORN (INDIAN) PIKE & STATE 118  
 BELLEVILLE CITY, MISSOURI 63003  
 PHONE 417-481-1220 & FAX 417-481-0244



**DETAIL**  
 SCALE: 1" = 30'

**LOCATION DRAWING**  
**RIGGS MEADOW**

**LOT No. 2**

14605 FREDERICK ROAD  
 4TH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

SCALE: 1" = 50' DATE: 8-22-02

