

LAYOUT _____ INSP 4 _____
INSP 2 _____ INSP 5 _____
INSP 3 _____ INSP 6 _____

ISSUE DATE: 5/11/05

APPROVAL DATE: 5/17/05

05-346738
PERMIT
INDEXED

P 522458

A 520802

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

K & K Excavating IS PERMITTED TO INSTALL ALTER

ADDRESS: PO Box 280, Lisbon 21765 PHONE NUMBER: 410-442-1336

SUBDIVISION: Clarksville Meadow LOT NUMBER: 7

ADDRESS: 7020 Guilford Road PROPERTY OWNER: Steve & Lisa Rosenthal

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: 300

LINEAR FEET OF TRENCH REQUIRED: ~~200~~ 220

TRENCHES:	Trench to be 3.0 feet wide. Inlet 4.0 feet below original grade. Bottom maximum depth 8.0 feet below original grade. Effective area begins at 5.5 feet below original grade. 4.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box as shown on the approved building permit plan. Run 4-60' long trenches, two in each direction at highest elevation of SDA. Trenches 10' center to center. No more than 3' cover on tank.
NOTES:	Disconnect & collapse existing dry well. No future adjustment of SA available due to slow perc rates all area is needed.

PLANS APPROVED: Kacie Noonan (KSB) DATE: 11/16/04

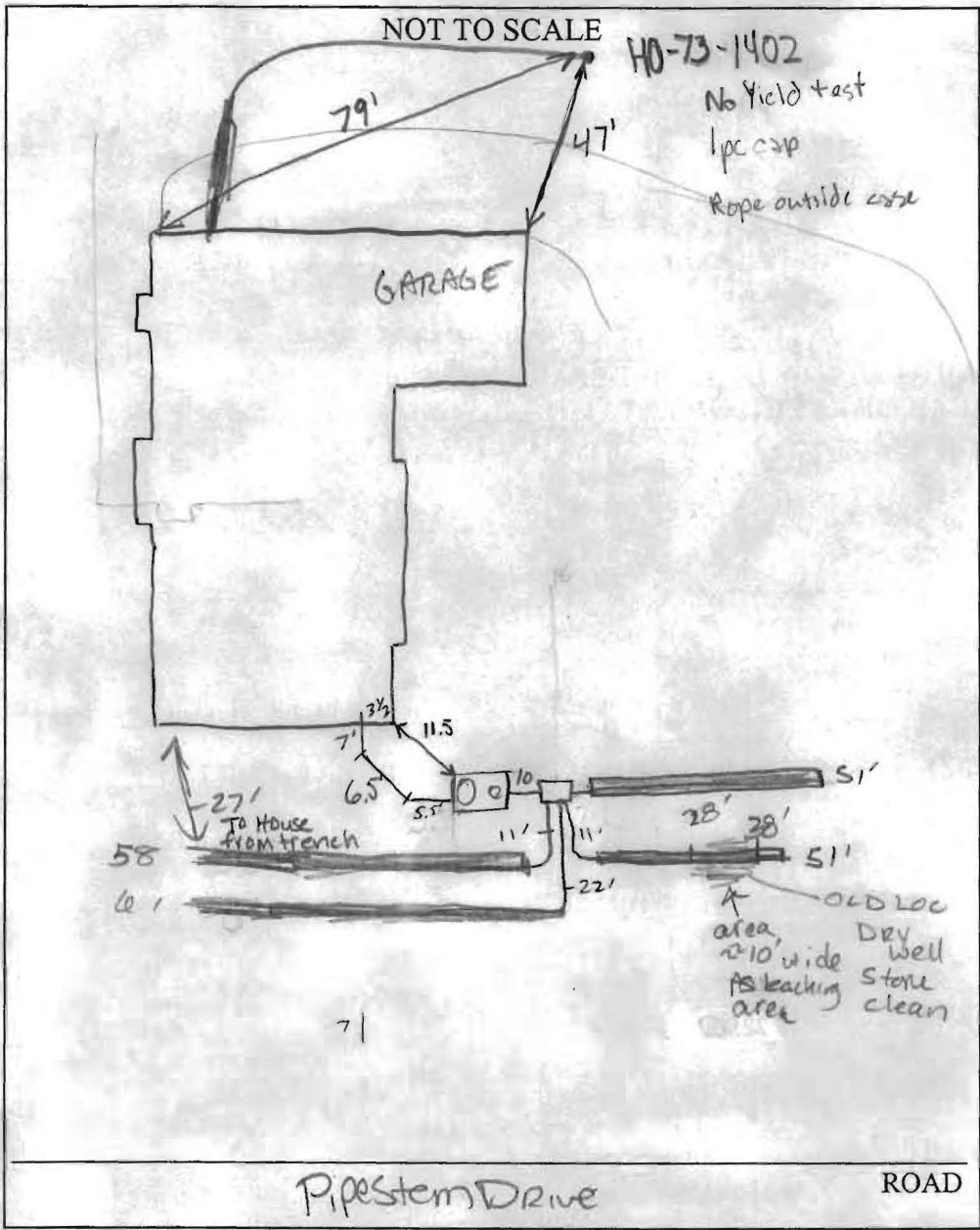
- NOTE: PERMIT VOID AFTER 2 YEARS
- NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND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

BUILDING PERMIT SIGNED AND RETURNED

8/30/05 B00155253 LP Tank
1/10/08 B08000076

A520802



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3	4	8
NUMBER OF TRENCHES		4
TOTAL LENGTH		~ 220
ABSORPTION AREA		1200ft ²
DISTRIBUTION BOX LEVEL		yes
DISTRIBUTION BOX BAFFLE		yes
DISTRIBUTION BOX PORT		No

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	Yes
CAPACITY	1500 GAL
SEAM LOC	Top
TANK LID DEPTH	
BAFFLES	Need Rear
BAFFLE FILTER	No
MANHOLE LOC	Front
6" PORT LOC	Rear
WATERTIGHT TEST	No
SEPTIC TANK 2 LEVEL	N/A
CAPACITY	
SEAM LOC	
TANK LID DEPTH	
BAFFLES	
BAFFLE FILTER	
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	

PRE-CONSTRUCTION ^{5/16/05} Install 4 55 ft trenches on contour 3 ft wide w/ 8ft bottom (BB)

INSTALLATION ^{5/17/05} NEED TO CUT & ADD levelers to trench pipes inside d. box. Dry well caved in, surrounding stone clean. D. box up hill per BB's request due to contour. Cutting pipes in d. box... discussed Speed Levelers. Well line not attached to house yet (KN)

5/24/05 Well line sleeved from house & under driveway WPI - OK to cover. (KN)

BUILDING PERMIT SIGNED

FINAL INSPECTOR Racu Roman DATE OF APPROVAL 5/24/05

GUILFORD ROAD
(40' R/W)

CHARLES H. SHAW
RYDA C. SHAW
TAX MAP 35 PARCEL 73
LIBER 377 FOLIO 155

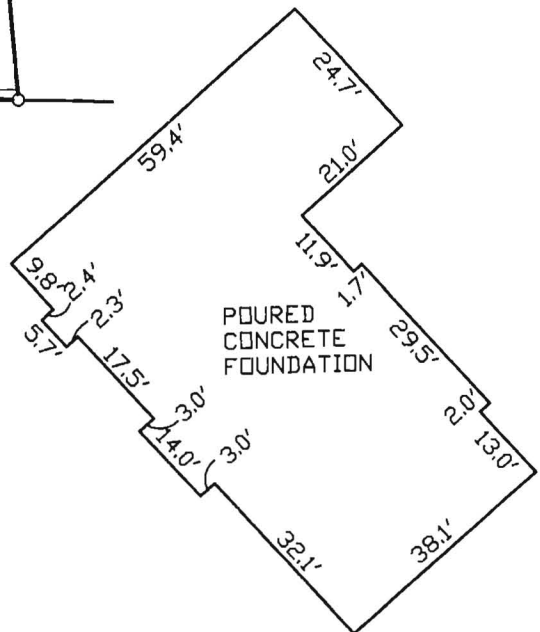
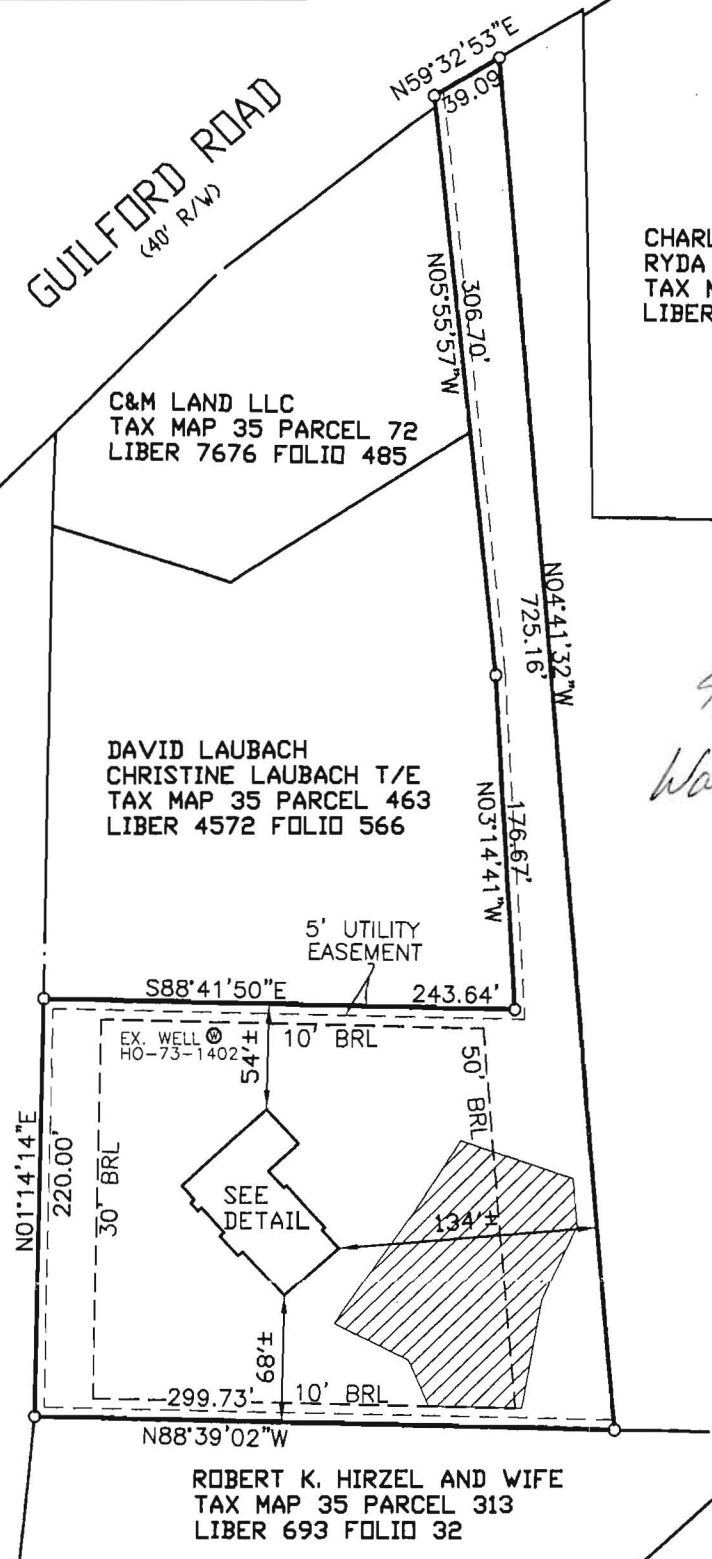


C&M LAND LLC
TAX MAP 35 PARCEL 72
LIBER 7676 FOLIO 485

DAVID LAUBACH
CHRISTINE LAUBACH T/E
TAX MAP 35 PARCEL 463
LIBER 4572 FOLIO 566

4/13/05
Wall check OK
(KJB)

MARTIN E. BEACH & WIFE
LOT 6
CLARKSVILLE MEADOW
PLAT REF. # 26/42
TAX MAP 35 PARCEL 296
LIBER 729 FOLIO 113



TOP OF FOUNDATION WALL ELEVATION = 470.3'
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 01/28/05 ; AND THAT THE PROPERTY OUTLINE SHOWN HEREON IS BASED ON THE PLAT PREPARED BY PURDUM AND JESCHKE ENGINEERING, INC. ENTITLED "CLARKSVILLE MEADOWS SECTION ONE AREA ONE", AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY AS PLATBOOK 26 PAGE 42.

David Harris

DAVID M. HARRIS
REGISTERED PROFESSIONAL LAND SURVEYOR
MD REG. No. 10978
FOR BENCHMARK ENGINEERING, INC.
MD REG. No. 351
RECORD PLATBOOK 26 PAGE 42
FEMA FIRM No. 240044 0039 B
ZONE: C
DATED: 12/04/86



~FOUNDATION DETAIL~
SCALE: 1" = 30'

WALL CHECK
CLARKSVILLE MEADOWS
SECTION ONE AREA ONE
LOT No. 7

7020 GUILFORD ROAD
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE: 1" = 100' DATE: 01/28/05

BENCHMARK
ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS
ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE ▲ SUITE 418
ELLCOTT CITY, MARYLAND 21043
phone: 410-466-8106 ▲ fax: 410-466-8644
email: Benchmark@caia.com



Howard County
Health Department

3525 H Ellicott Mills Drive, Ellicott City, MD 21043
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

August 2, 2004

MEMORANDUM

TO: Tim Ragen
c/o Selfridge Builders
14045 Gared Drive
Glenwood, MD 21738

FROM: Mark Rifkin, R.S. *MR*
Well & Septic Program
Bureau of Environmental Health

RE: 7020 Guilford Road
Clarksville Meadows, Lot 7

This is to advise that the Howard County Health Department recommends issuance of the requested demolition permit for the referenced property.

You have advised that the well on the property will be properly disconnected from the original house, and will be maintained for proposed use with the replacement dwelling. Be advised that a 28-year old well may or may not produce water flow and quality in compliance with COMAR regulations. Yield testing of the well will be required prior to issuance of a building permit for the replacement dwelling; sampling will be required at the normal point in the process.

You have also advised that the existing septic system will be properly abandoned, and replaced with a new septic reserve area and septic system.

MR
cc: File

220'

NO. 7

1.8 AC. ±

300'

110' ±



SIGNED
PRELIM 11/22

588° 41' 50"

245.64'

7103 - 0810

070

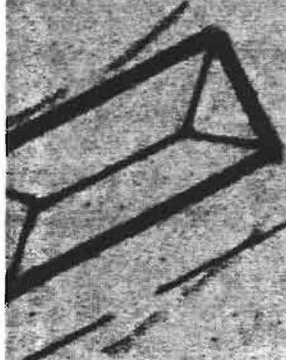
750'

300'

BUILDING
RESTRICTION LINE



NO. 6



ROSENTHAL RESIDENCE
CLARKVILLE MEADOWS, LOT 7
20 GUILFORD ROAD

Recommend applicant have to/13/14
hit some clay due to nearby swale
Frost OK, altho may
Ex: well OK subject to yield
proposal
Re-Demo/Re-build
w/ c. w/ m
Ragen
1/15/04

ATTENTION
MARK RITZEN

Approximate Well
Location

N01°14'10"E 220.00'

S88°41'50"E

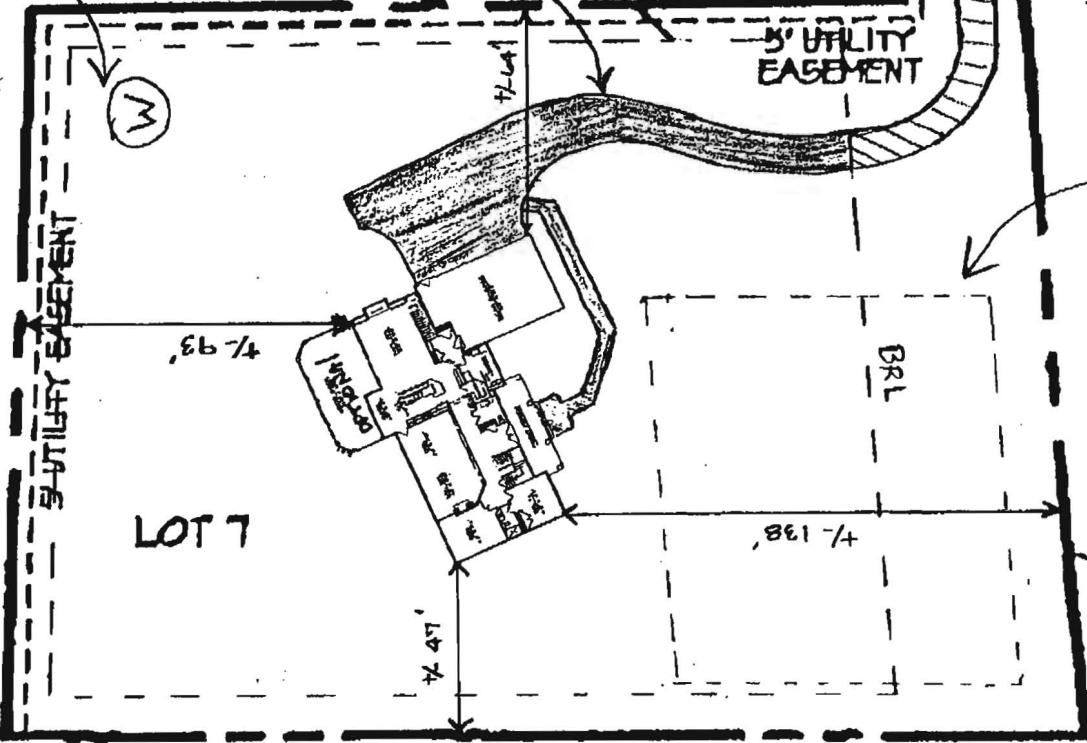
243.64'

5' UTILITY
EASEMENT

125.16'

Proposed New
Private Sewer Easement

HOUSE APP
INTO 10%
SEWAGE



LOT 7

N00°09'00"W

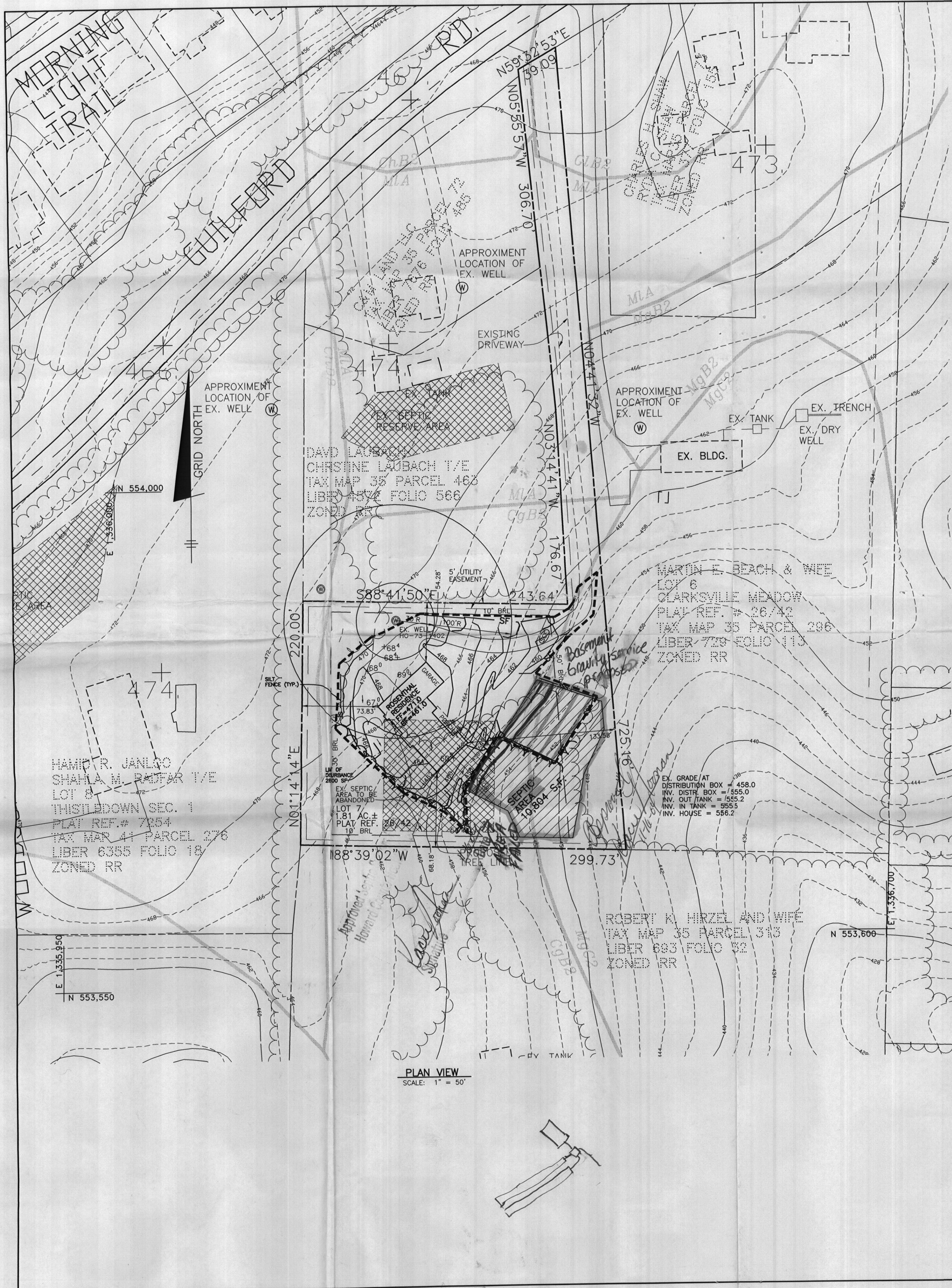
299.73'

3 CERTIFICATE

SCALE 1" = 50'

3 BEEN PREPARED IN ACCORDANCE
OF PRACTICE FOR PROFESSIONAL

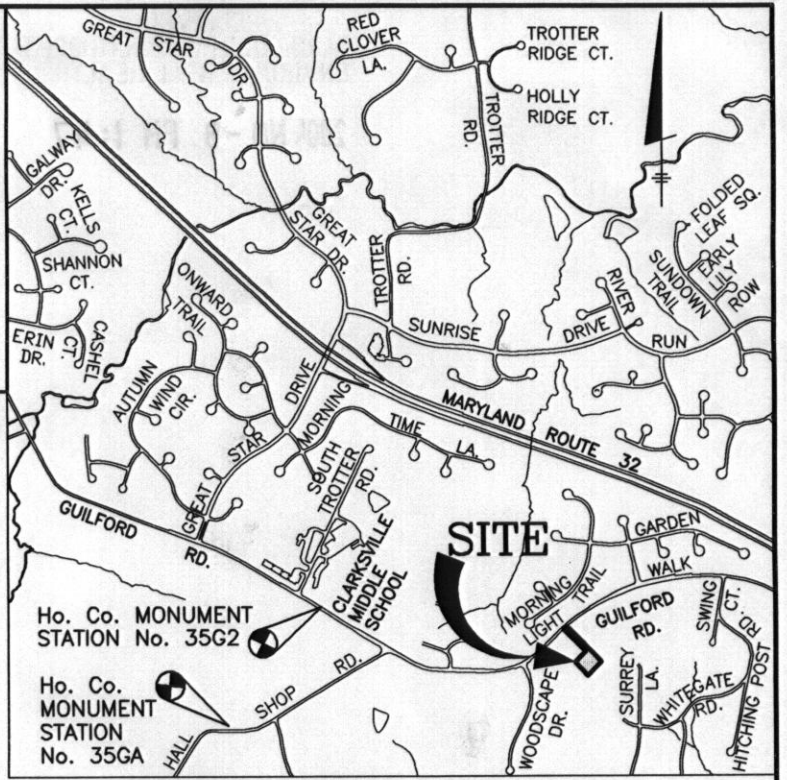
1. LOT 7
PLAT OF CLARKVILLE MEADOWS



BENCHMARKS NAD'83 HORIZONTAL

HO. CO. #35G2
STAMPED BRASS DISK SET ON TOP OF
CONCRETE BASE
N554965.694' E1332934.9'

HO. CO. #35GA
STAMPED BRASS DISK SET ON TOP OF
CONCRETE BASE
N553249.706' E1332627.3'



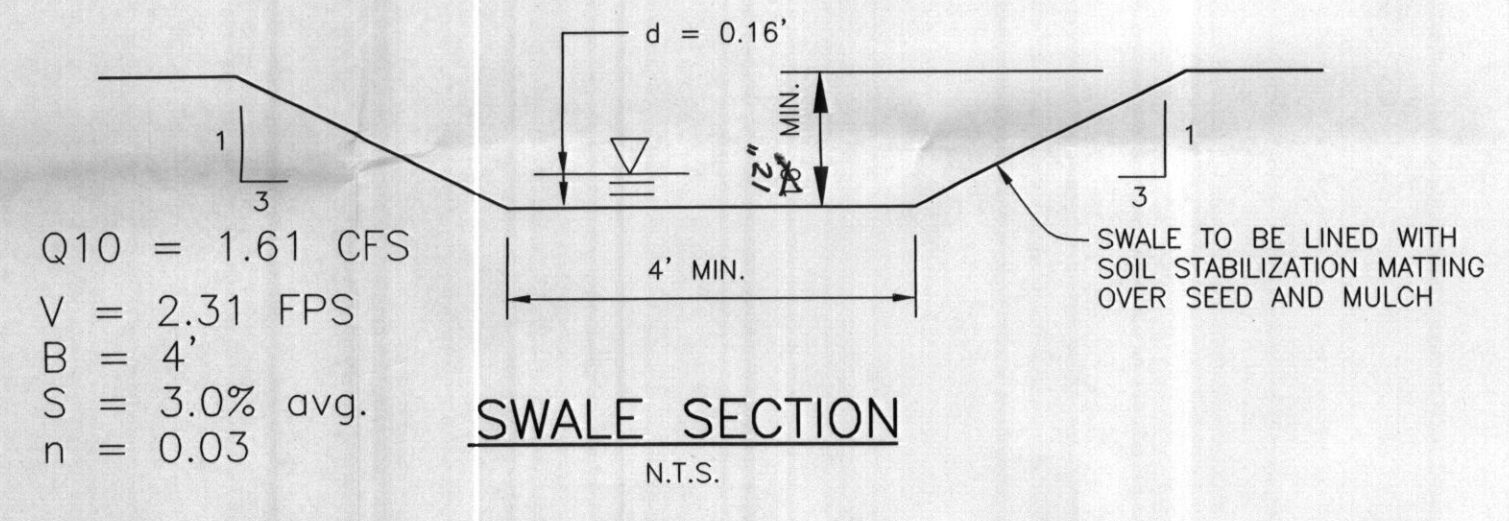
NOTE:
SEDIMENT CONTROL LOCATION AND IMPLEMENTATION SHOWN ON THIS PLAN IS SUBJECT TO REVISIONS IN THE FIELD AT THE DISCRETION OF THE SEDIMENT CONTROL INSPECTOR

ALL SEDIMENT CONTROL FEATURES SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD DETAILS SHOWN IN THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.

- NOTES:**
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
 - THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF AND NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENT TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE NECESSARY.
 - UNLESS OTHERWISE SHOWN, NO WELLS OR SEWERAGE EASEMENTS ARE LOCATED WITHIN 100 FEET OF THE PROPERTY.
 - TOPOGRAPHY SHOWN HEREON IS TAKEN FROM FIELD RUN TOPOGRAPHY PERFORMED BY BENCHMARK ENGINEERING, INC. ELEVATIONS ARE BASED ON INFORMATION PURCHASED FROM HOWARD COUNTY GEOGRAPHICAL INFORMATION SYSTEMS AND NOT GEODETIC CONTROL STATIONS. EXACT LENGTH OF SEPTIC TRENCHES WILL BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF PERMIT ISSUANCE.
 - SPOIL FROM THE TRENCHING OF THE SEPTIC AREA IS TO BE PLACED ON THE UPHILL SIDE OF THE EXCAVATION.
 - NO DRIVEWAY CULVERT IS REQUIRED.
 - LOT 7 IS REQUIRED TO GAIN ACCESS TO GUILDFORD ROAD BY AN EXISTING DRIVEWAY IN THE FLAGSTEM.
 - THE EXISTING WELL SHOWN ON THIS PLAN, HO-73-1402, HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. AND IS ACCURATELY SHOWN.

LEGEND

—	1" BITUMINOUS CONCRETE SURFACE
—	3" BITUMINOUS CONCRETE BASE
—	FULL DEPTH BITUMINOUS CONCRETE
—	P-1 PAVING SECTION NOT TO SCALE



SOILS LEGEND

MAP SYMBOL	SOIL GROUP	SOIL TYPE
CgB2	B	CHESTER GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
ChB2	B	CHESTER SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
GIB2	B	GLENELG LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
MgB2	B	MANOR GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
MgC2	B	MANOR GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED
MIA	B	MANOR LOAM, 0 TO 3 PERCENT SLOPES

* INDICATES HYDRIC SOILS
TAKEN FROM SOILS SURVEY, ISSUED JULY 1968, MAP NO. 23 & 28

NO.	DATE	REVISION

BENCHMARK
ENGINEERS & LAND SURVEYORS & PLANNERS
ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE & SUITE 418
ELLCOTT CITY, MARYLAND 21043
PHONE: 410-465-6105 FAX: 410-465-6644

BUILDER: SELFRIE BUILDERS, INC. 14045 GARED DRIVE GLENWOOD, MD 21738 410-531-8930	PROJECT: CLARKVILLE MEADOW LOT 7
PROPERTY: 7020 GUILDFORD ROAD CLARKVILLE, MD 21029	LOCATION: TAX MAP 35, GRID 21, PARCEL 296 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND
DESIGN: JC	TITLE: PERMIT PLAN ROSENTHAL RESIDENCE
DRAFT: JC	DATE: NOVEMBER, 2004
CHECK: DAM	PROJECT NO.: 1772
SCALE: AS SHOWN	SHEET: 1 OF 1

- SEQUENCE OF CONSTRUCTION**
- DAY 1 OBTAIN GRADING PERMIT.
 - DAY 2 THE CONTRACTOR(S) IS TO IDENTIFY AND MARK ANY HAZARDOUS CONDITIONS THAT MAY EXIST ONSITE, SUCH AS OVERHEAD POWER LINES, OLD WELLS, GAS LINES, ETC.
 - DAY 3-4 INSTALL STABILIZED CONSTRUCTION ENTRANCE, CLEAN WATER DIVERSION DIKE, SILT FENCE AND SUPER SILT FENCE
 - DAY 4-10 GRADE SITE AND STABILIZE IN ACCORDANCE WITH PERMANENT SEEDBED NOTES.
 - DAY 11-60 CONSTRUCT HOUSE, INSTALL DRIVEWAY AND UTILITIES. SPOIL FROM THE TRENCHING OF THE SEPTIC AREA IS TO BE PLACED ON THE UPHILL SIDE OF THE EXCAVATION.
 - DAY 61-63 STABILIZE ANY REMAINING DISTURBED AREAS IN ACCORDANCE WITH PERMANENT SEEDBED NOTES.
 - DAY 64-65 UPON APPROVAL OF HOWARD COUNTY SEDIMENT CONTROL INSPECTOR, REMOVE ALL SEDIMENT CONTROL DEVICES. PERMANENTLY STABILIZE AS REQUESTED.