

LAYOUT 8/18/04 Noon INSP 4 _____
INSP 2 8/24/04 10:00 INSP 5 _____
INSP 3 _____ INSP 6 _____

ISSUE DATE: 8/11/04

P 520821

APPROVAL DATE: 11/24/04 TAX ID # 03-297047

A 45037

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

Hatfields Equipment IS PERMITTED TO INSTALL ☒ ALTER ☐

ADDRESS: 13785 Burntwoods Rd, Glenelg PHONE NUMBER: 301-854-6172

SUBDIVISION: McCracken Property 1

ADDRESS: 13840 Triadelphia Road PROPERTY OWNER: Williamsburg Group, LLC

SEPTIC TANK CAPACITY (GALLONS): 1500 OUTLET BAFFLE FILTER REQUIRED ☐

PUMP CHAMBER CAPACITY (GALLONS): 1500 COMPARTMENTED TANK REQUIRED ☐

NUMBER OF BEDROOMS: 4

LOCATION:	Sand mound to be installed. Install as per approved building permit plan. Mound site should be staked.
NOTES:	Both sand mound sites are to be staked. Mound is to be installed from both ends. Limit traffic on upslope and down slope mound areas. Stay off of reserve mound site. STAKE / ENCLOSE w/ perimeter tape prior to S.M. INSTALLATION

PLANS APPROVED: John A. Boris **KN**

DATE: 4/22/04 **to**

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

BUILDING PERMIT SIGNED -313-2640 FOR INSPECTION OF SEPTIC SYSTEM

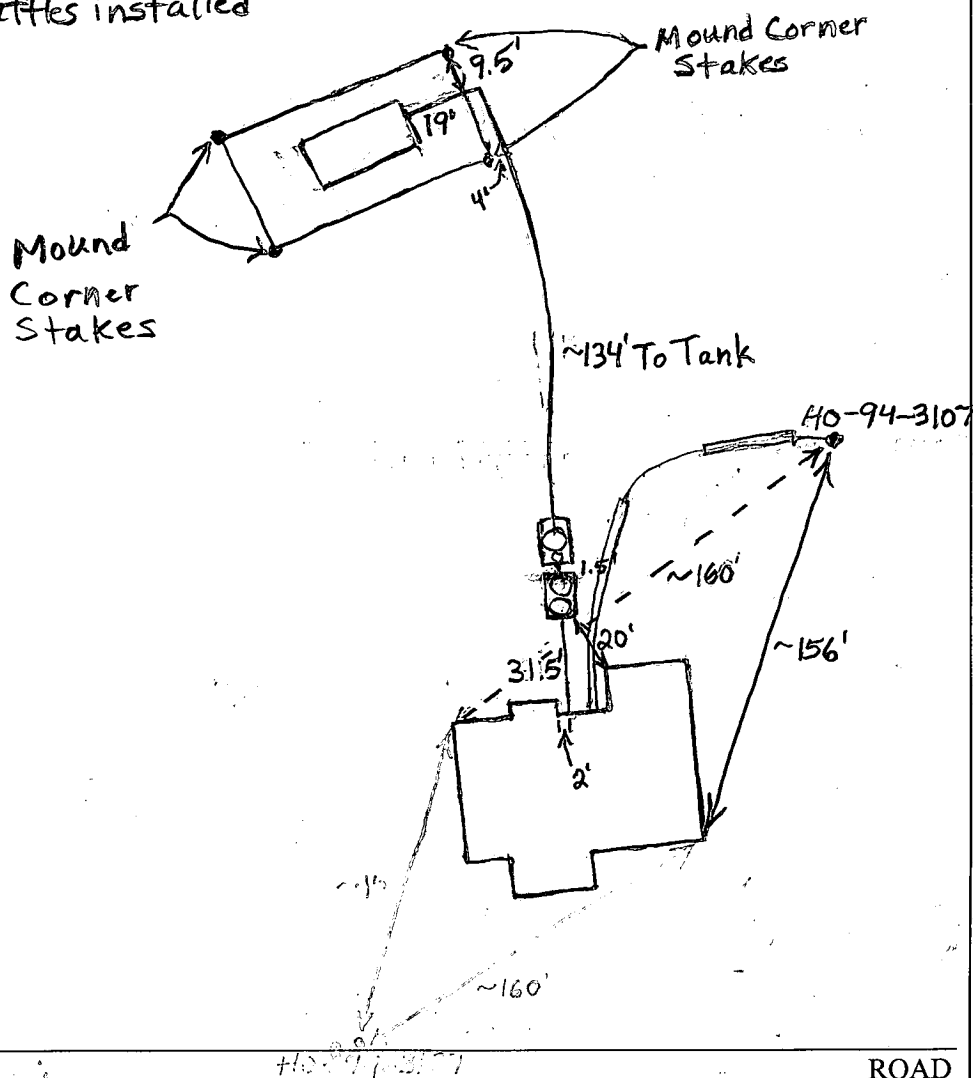
AND RETURNED

10-2004 BOD B0874-LP TANK

A 45037

Tank 1 - 1500 2-Comp, NOT TO SCALE

~1 1/2' deep
baffles installed



DOSING CHAMBER

Tank Level ☒
Capacity 1500 Gal
Seam Location Top
Tank Lid Depth 2'-2.5'
Manhole Location Middle
Water Tight Test No

FLOAT SETTINGS

Low Off 1
Low On 2 2 Float
High On 3 System-set
Alarm 4 Correctly per
Dose Volume Jeff (Hatfield's)

SAND MOUND I

Bed Length ~44'
Bed Width ~12'
Bed Area ~528 sq ft
Mound Length ~92'
Mound Width ~39'
Mound Area 3588 sq ft
Basal Area 1320 sq ft

SAND MOUND II

Bed Length _____
Bed Width _____
Bed Area _____ sq ft
Mound Length _____
Mound Width _____
Mound Area _____
Basal Area _____ sq ft

PRE-CONSTRUCTION 8/19/04 To install as per plan. Double check contour with transit. Soil too wet to start on bed. Tanks set. Should

INSTALLATION install effluent filter although not in mound plans. (BB)

Slewe well line if within 10' of septic system. (BB) 8/24/04

Soil still too wet to till mound bed. Contractor said they would mow grass and rake up any clippings to help sun dry out soil. (BB) 8/27/04 Tested laterals with a generator and water. Holes spaced right. Put on geotextile fabric and cap. Started putting on topsoil. Need pump and alarm test and correct head pressure for

FINAL INSPECTOR B. Baber DATE OF APPROVAL 11/24/04

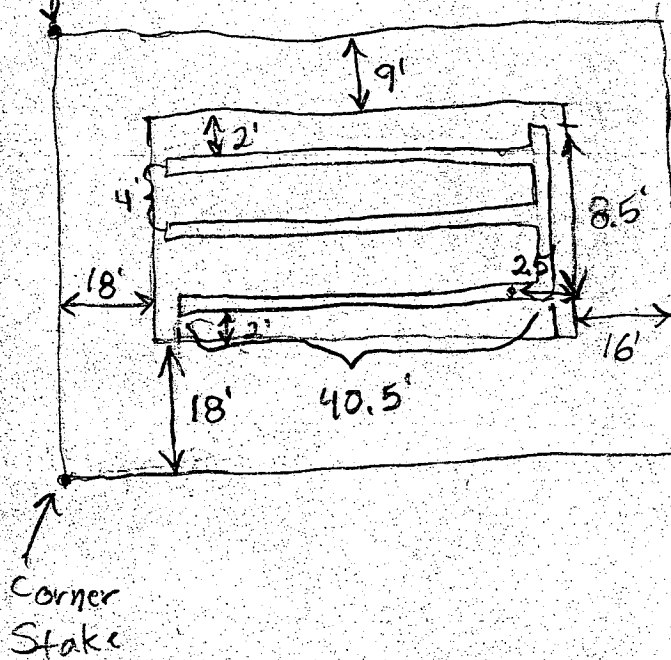
Final approval (BB) 11/24/04 Alarm working. Water level in turnups is around 2'. (BB)

~~60113~~

~~Receptane~~

Rep in file

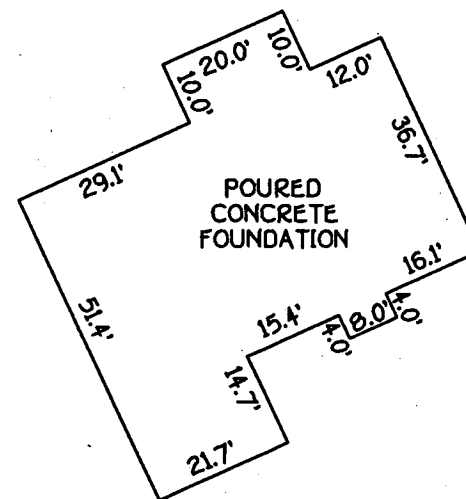
Corner Stake $3/4"$ gravel



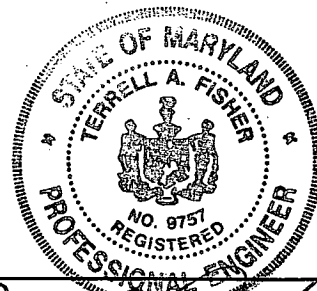
Wall Check

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 COMTEMPLATED 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 C ON THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP OF HOWARD COUNTY, MARYLAND, COMMUNITY PANEL No. 2400440021B 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' (*)
- 4) NO TITLE REPORT FURNISHED. SUBJECT TO ALL EASEMENTS, RIGHTS OF WAY AND CONDITIONS OF RECORD.
- 5) THE EXISTING WELL(S) SHOWN ON THIS PLAN (IDENTIFIED WITH THE ATTACHED WELL TAG NUMBER HO-94 -3407 HAS BEEN FIELD LOCATED BY FISHER, COLLINS AND CARTER, INC. PROFESSIONAL LAND SURVEYORS AND IS ACCURATELY SHOWN.



DETAIL:
1"=30'



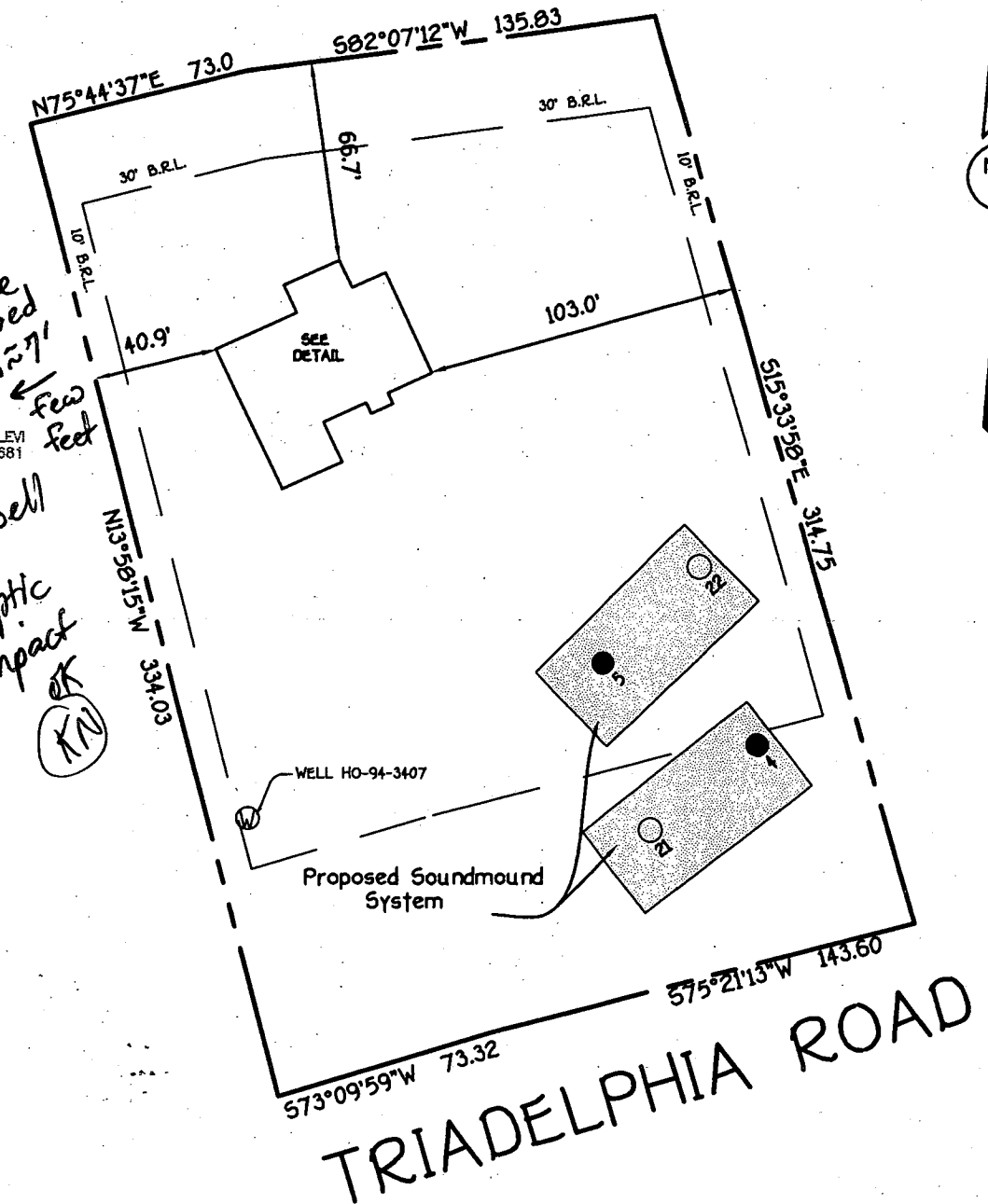
PROFESSIONAL LAND SURVEYOR

DATE

PROPERTY OF
VICTOR & VICTORIA LEVI
LIBER 4367, FOLIO 681

House moved
N 77°
← Few feet
No well
or septic
impact
OK
KN

PROPERTY OF
CONSUELO & JOSEPH REGAN
LIBER 822, FOLIO 231



NAD
'83

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS

CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21042
(410) 461 - 2855

B.R.L. = BUILDING RESTRICTION LINE
TOP OF FOUNDATION ELEV. 617.2'

*13840 TRIADELPHIA ROAD
THIRD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
TAX MAP *22, GRID *13, PARCEL *176
DEED REFERENCE: LIBER 7723/ FOLIO 512

HOUSE LOCATION DRAWING

FOUNDATION LOCATION: 6/15/04
FINAL LOCATION: _____
BOUNDARY SURVEY: _____

SCALE: 1"=60'
DATE: 7/21/04
DRAWN BY: V.L.J.
CHECKED BY: T.A.F.
PROJECT No.: 61428

RYE SEEDING NOTES

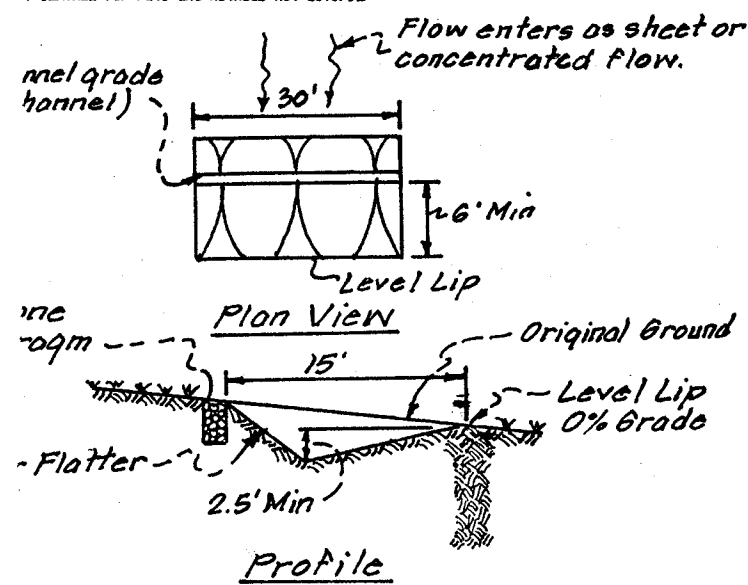
cleared areas likely to be redisturbed where a live cover is needed.
a. Loosen upper three inches of soil by raking, creptable means before seeding, if not previously

galy 600 lbs. per acre 10-10-10 fertilizer (14)

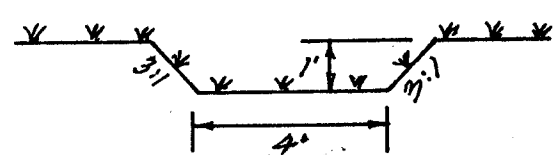
March 1 thru April 30 and from August 15 thru 15th 2-1/2 bushels per acre of annual rye (32 lbs. - the period May 1 thru August 14, seed with 3 pig lovegrass (0.07 lbs. per 1000 sq.ft.). For 16 thru February 28, protect site by applying 2 ft. anchored straw mulch and seed as soon as 3. or use soil.

* 1 to 2 tons per acre (70 to 90 lbs. per 1000) well grain straw immediately after seeding, only after application using mulch anchoring tool (3 gal. per 1000 sq.ft.) of emulsified asphalt on 15, 8 ft. or higher, use 347 gal. per acre (8 gal. anchoring).

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL CONTROL. For rate and methods not covered.



LEVEL SPREADER
No Scale



GRASS CHANNEL
No Scale

SOILS LEGEND

SOIL	NAME	CLASS
**Ba	Baile silt loam	D
CgC2	Chester gravelly silt loam, 0 to 15 percent slopes, moderately eroded	B
ChB2	Chester silt loam, 3 to 8 percent slopes, moderately eroded	B
ChC2	Chester silt loam, 0 to 15 percent slopes, moderately eroded	B

NOTES:

- * Hydric soils and/or contains hydric inclusions
- ** May contain hydric inclusions
- Generally only within 100-year floodplain areas

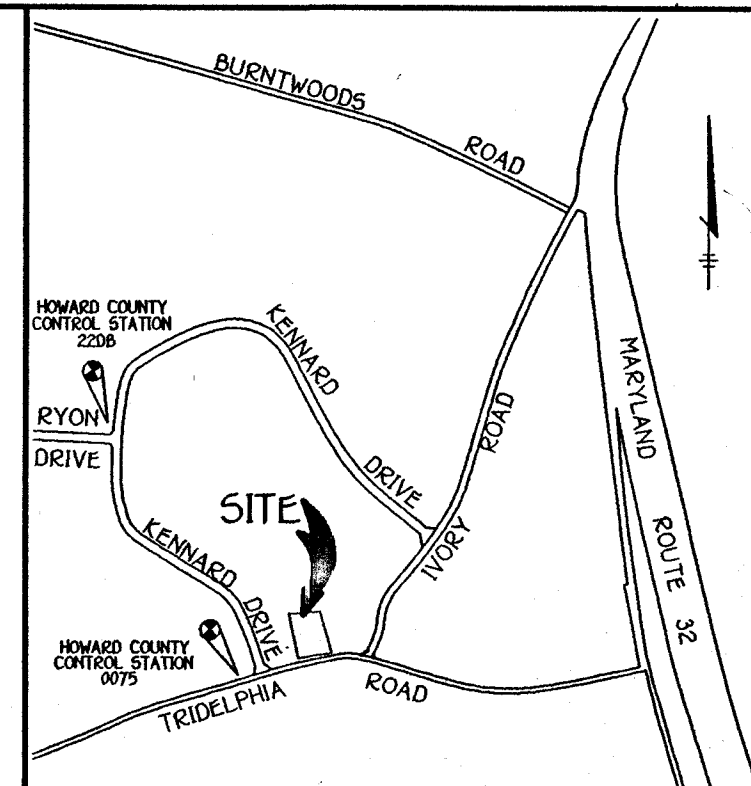
GENERAL NOTES:

- SUBJECT PROPERTY IS ZONED RC-DEO PER 10/10/93 COMPREHENSIVE ZONING PLAN.
- TOTAL AREA OF SITE: 1.510 AC.
- TOPOGRAPHY IS BASED ON FIELD RUN SURVEY PREPARED BY FISHER, COLLINS & CARTER, INC., OCTOBER, 2003.
- DEPARTMENT OF PLANNING AND ZONING REFERENCE FILE NUMBERS ARE 5-98-09, P-99-02, F-99-21, F-99-145 & RE-99-03.
- COORDINATES BASED ON NAD '83, MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 21E2 AND 21E3.
STA. NO. 0075 N 501,669.171 E 1,313,719.32 ELEV. 614.219
STA. NO. 22DB N 503,457.150 E 1,312,841.76 ELEV. 604.927
- IMPERVIOUS AREA OF DISTURBANCE: 4,735 SQ. FT.
- FOREST CONSERVATION AND LANDSCAPING OBLIGATIONS FOR THE CATTAIL RIDGE SUBDIVISION HAVE BEEN ADDRESSED UNDER F-99-145.
- THE EXISTING WELL SHOWN ON THIS PLAN, TAG NUMBER HO 000000, HAS BEEN FIELD LOCATED BY FISHER, COLLINS & CARTER, INC., PROFESSIONAL LAND SURVEYORS AND IS ACCURATELY SHOWN.
- TOTAL AREA OF DISTURBANCE IS 14,425 SQ. FT. OR 0.3312 AC.
- TOTAL AREA PERVIOUS AREA IS 4,993 SQ. FT. OR 0.1146 AC.
- THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE 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 VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED EASEMENT SHALL NOT BE NECESSARY.
- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- THE SITE IS EXEMPT FROM PROVIDING STORMWATER QUANTITY VOLUMES. HOWEVER, THIS SITE IS REQUIRED TO PROVIDE STORMWATER QUALITY AND GROUNDWATER RECHARGE VOLUMES AS PER THE 2000 M.D.E. STORMWATER DESIGN MANUAL. THE HOUSE DOES NOT HAVE TO BE TREATED FOR WATER QUALITY AS THE REAR YARD DRAINS BY SHEET FLOW OF LESS THAN 5%. A ROOFTOP DISCONNECTION CREDIT IS CLAIMED HERE. THE DRIVEWAY IS TREATED BY A GRASS CHANNEL FOR THE REQUIRED GROUNDWATER VOLUME AND TWO (2) LEVEL SPREADERS FOR THE REQUIRED WATER QUALITY VOLUME.

BENCH MARKS

T.P. 0075 ELEV. 614.219
N. 501,669.171
E. 1,313,719.32
LOC. NEAR INTERSECTION OF
TRIDELPHIA ROAD & KENNARD DRIVE

T.P. 22DB ELEV. 604.927
N. 503,457.150
E. 1,312,841.76
LOC. NEAR INTERSECTION OF
RYON DRIVE & KENNARD DRIVE



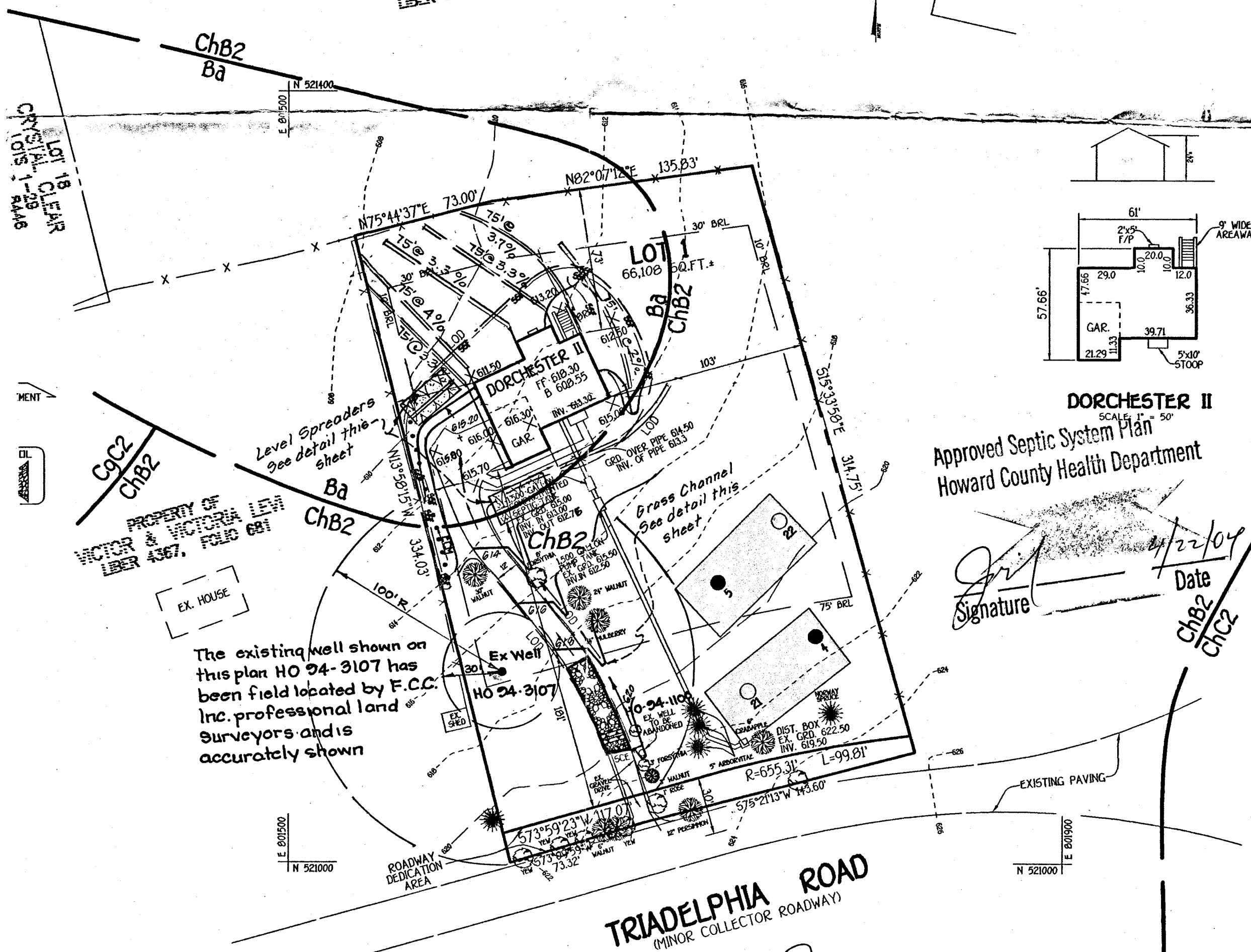
VICINITY MAP

SCALE: 1" = 2000'

- PROPERTY WILL BE SERVED BY PRIVATE WATER AND SEWER.
- DENOTES 14
- DENOTES 15
- DENOTES PROPOSED HOUSE LOCATION.
- % - 24.99 % SLOPES. (NONE ON SITE)
- DENOTES EXISTING WELL LOCATION.
- % OR GREATER SLOPES. (NONE ON SITE)
- DENOTES SAND MOUND BED
- DENOTES PASSED TESTED SITES
- DENOTES NEW HOLES TO BE TESTED.

PROPERTY OF
CONSUELO & JOSEPH REGAN
LIBER 822, FOLIO 231

PROPERTY OF
LARRY G. DRUMMOND
LIBER 1992, FOLIO 658



DORCHESTER II

Approved Septic System Plan
Howard County Health Department

Signature
Date 4/22/04
ChB2
ChC2

The existing well shown on this plan HO 94-3107 has been field located by F.C.C. Inc. professional land surveyors and is accurately shown

TRIADELPHIA ROAD
(MINOR COLLECTOR ROADWAY)

SYMBOL	DESCRIPTION
---	EXISTING CONTOUR 2' INTERVAL
+502.5	SPOT ELEVATION
-SF	SILT FENCE
---	PROPOSED WALKOUT
---	EROSION CONTROL MATTING
---	EXISTING TREE LINE
---	LIMIT OF DISTURBANCE

BUILDER

WILLIAMSBURG GROUP, LLC
5405 HARPERS FARM ROAD
COLUMBIA, MARYLAND 21044
410-997-0800

PERC CERTIFICATION PLAN
SITE DEVELOPMENT & SEDIMENT/EROSION CONTROL PLAN
Mc CRACKEN PROPERTY

TAX MAP NO: 22 PARCEL NO: 176 GRID NO: 13
THIRD ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1"=50' DATE: OCTOBER, 2003
SHEET 1 OF 1

GP 04-57

C10758

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
NUMBER13OKSRK
6/6/01

PERMIT NO.
FROM "PERMIT TO DRILL WELL"
HO-04-3107

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

DATE WELL COMPLETED
MM DD YY
05 30 01

Depth of Well
22 140 26
(TO NEAREST FOOT)

OWNERBRS Developers

STREET OR RFD1240 Triadelphia Rdfirst name

TOWNGlenelg

SUBDIVISIONSECTIONLOT

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		check if water bearing
	FROM	TO	
Top Soil	0	2	
Sandy	2	65	✓
Sand Stone	65	70	
MICKA	70	80	
Sand Stone	80	85	✓
MICKA	85	140	

GROUTING RECORD

yesno

WELL HAS BEEN GROUTED
(Circle Appropriate Box)
4444

TYPE OF GROUTING MATERIAL (Circle one)

CEMENT(CM)BENTONITE CLAY(BC)

NO. OF BAGS15NO. OF POUNDS1500

GALLONS OF WATER90

DEPTH OF GROUT SEAL (to nearest foot)
from0ft. to30.5ft.
(enter 0 if from surface)

CASING RECORD

casing
types
insert
appropriate
code
below

STSTEELCOCONCRETE
PLPLASTICOTOTHER

MAIN CASING TYPE
PL670

Nominal diameter
top (main) casing
(nearest inch)

Total depth
of main casing
(nearest foot)

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

SCREEN RECORD

screen type
or open hole

STSTEELBRBRASS
PLPLASTICHOOPEN
HOLE
OTOTHER

DEPTH (nearest ft.)

HO30140

C3

PUMPING TEST

HOURS PUMPED (nearest hour)3

PUMPING RATE (gal. per min.)10

METHOD USED TO
MEASURE PUMPING RATE

WATER LEVEL (distance from land surface)

BEFORE PUMPING12ft.

WHEN PUMPING20ft.

TYPE OF PUMP USED (for test)

AairPTturbine
CcentrifugalRrotaryOother
(describe below)
JjetSsubmersible

PUMP INSTALLED

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

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)3135

PUMP HORSE POWER3741

PUMP COLUMN LENGTH
(nearest ft.)4347

CASING HEIGHT (circle appropriate box
and enter casing height)

+above
-below

LAND SURFACE
(nearest
foot)2

NUMBER OF UNSUCCESSFUL WELLS:0

WELL HYDROFRACTURED
yesno
Y(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 SD 117

DRILLERS SIGNATURE

LIC. NO. M D

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

C2

DEPTH (nearest ft.)

HO30140

EACH
SLOT SIZE 1 2 3

DIAMETER
OF SCREEN (NEAREST
INCH)

5660

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.)WQ

7072747576

TELESCOPE
CASING

LOG
INDICATOR

OTHER DATA

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)

Prop. Line 15' well 70' 55' Road

B 1	0929	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER HO-94-3107 fill in this form completely
Date Received (APA) 05-11-01 8 MM DD YY 13		OWNER INFORMATION		
Last Name BRS Development		Owner First Name 8808 Centre Bank Dr.		
Street or RFD Columbia MD 21045		Town State Zip		
DRILLER INFORMATION				
Driller's Name Ralph E. MAYNE		License No. MSD 117		
Firm Name Ralph E. Mayne Well Drilling				
Address 17024 Handy Rd. Mt. Airy MD				
Signature <i>[Signature]</i> Date 4-20-01				
B 2	WELL INFORMATION			
APPROX. PUMPING RATE (GAL. PER MIN.)				5
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY)				500
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				
APPROXIMATE DEPTH OF WELL 150 FEET				
APPROXIMATE DIAMETER OF WELL 6" NEAREST INCH				
METHOD OF DRILLING (circle one)				
☒ BORED (or Augered) ☐ JETTED ☐ Jetted & DRIVEN ☒ AIR-ROTARY ☐ AIR-PERCussion ☐ ROTARY (Hydraulic Rotary) ☐ CABLE ☐ REVERSE-ROTARY ☐ Drive-POINT other _____				
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 DEEPEMED 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 _____				
PERMIT No. HO-94-3107				
SPECIAL CONDITIONS NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED				

LOCATION OF WELL

8. COUNTY **Howard**

23. SUBDIVISION **M^cCRACKEN Prop**

SECTION **Parcel** LOT **122**

GLENELG

52. NEAREST TOWN

MILES FROM TOWN (enter 0, if in town) **1** M I

13840 **Tridelpia Rd.**

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 **50** 37

DISTANCE FROM ROAD ENTER FT OR MI **41**

TAX MAP: _____ BLK: _____ PARCEL: _____

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

COUNTY NAME **Howard** COUNTY NO. **13**

STATE SIGNATURE _____ INSERT S _____

DATE ISSUED **05/18/01** CO SIGNATURE *[Signature]* EXP. DATE **05/17/02**

NORTH GRID **521** 000 EAST GRID **0802** 000

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 **800'**

N **520'**

5/30/01 10:15
5/30/01
No Inspection
BB

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

PROPERTY OF
CONSUELO AND JOSEPH REGAN
LIBER 822, FOLIO 231

ChB2

1"Ø IRON
PIPE FOUND

N82°07'12"E 135.83'

MCCRACKEN PROPERTY
PARCELS #1 AND #2
(69,231 SQ.FT.)

Ba

ChB2

ChB2

EX.
HOUSE

ChB2

PROPERTY OF
VICTOR AND VICTORIA LEVI
LIBER 4367, FOLIO 681

EX.
SHED

EX. WELL
TO BE
ABANDONED

1"Ø IRON
PIPE FOUND

EXISTING PAVING

ROADWAY
DEDICATION
AREA

1"Ø IRON
BAR FOUND

ROAD

TRIADDELPHIA
(MINOR COLLECTOR ROADWAY)

ChB2

OWNER AND DEVELOPER

GENE GARY MCCRACKEN
ROUTE 2 BOX 466X
FAIRFAC, NORTH CAROLINA 28630

as staked
oil
well site

125' off G
10' off left

TABLE 3.1
EQUATIONS FOR CALCULATING SAND MOUND DIMENSIONS

$$\text{Absorption bed ft.}^2 (A \times B) = \frac{\text{Design flow}}{1.2 \text{ gpd/ft.}^2} = \frac{500}{1.2} \text{ ft.}^2 \quad \frac{600}{1.2}$$

$$\text{Bed length (B)} = \underline{50} \text{ ft. (21 ft. to 101 ft. dependent on site)}$$

$$\text{Bed width (A)} = \frac{\text{Bed } 500 \text{ ft.}^2}{B \quad 50 \text{ ft.}} = \underline{9} \text{ ft. (15 ft. or less)}$$

$$\text{Upslope sand fill depth (D)} = 48 \text{ in.} - Z \text{ in.} = \underline{24} \text{ in. (12 in. min.)}$$

$+ 24''$

$$\text{Downslope sand fill depth (E)} = [12 A \times \% \text{ slope}] + D \text{ in.} = \underline{29.4} \text{ in.}$$

$$\text{Cap + topsoil at bed center (H)} = \underline{18} \text{ in.}$$

$$\text{Cap + topsoil at bed edge (G)} = \underline{12} \text{ in.}$$

$$\text{Total Bed Depth (F)} = \underline{10} \text{ in.}$$

$$\text{Sideslope setback (K)} = \frac{[(D + E) + 28 \text{ in.}] \times 3}{2} = \underline{164} \text{ in.} \quad 24 + 29.4$$

$$\text{Upslope setback (J)} = (22 \text{ in.} + \overset{24}{D}) \times 3 \times \overset{.875}{\text{upslope corr. factor}} = \underline{121} \text{ in.}$$

$$\text{Downslope setback (I)} = (22 \text{ in.} + \overset{29.4}{E}) \times 3 \times \text{downslope corr. factor} = \underline{182} \text{ in.}$$

$$\text{Total Width of Mound (W)} = 12A + J + I = \underline{411} \text{ in.} \quad 34.25'$$

$$\text{Total Length of Mound (L)} = 12B + K + K = \underline{880} \text{ in.} \quad 73' 4''$$

1060

SANITARY/ENVIRONMENTAL ENG., INC.

Consulting Engineers
1414 Washington Road
WESTMINSTER, MARYLAND 21157
(410) 876-7740
FAX (410) 840-9924

JOB MC CRACKEN PROPERTY

SHEET NO. 1 OF

CALCULATED BY JDC DATE

CHECKED BY DATE

SCALE

4 BEDROOMS $\times 150 = 600 \text{ GPD}$ ✓ SLOPE - 5% ✓
 $600 / 1.2 = 500 \text{ Sq. Ft. bed}$ ✓
 Proposed bed - $9' \times 56' = 504 \text{ Sq. Ft.}$ ✓

UP SLOPE SAND DEPTH - 24" ✓
 DOWN SLOPE SAND DEPTH - $24" + (.05 \times 108") = 29.4"$ ✓

UP SLOPE SETBACK = $(24" + 22") (3) (0.875) = 121" = 10'-1"$ ✓
 DOWN SLOPE SETBACK = $(29.4" + 22") (3) (1.18) = 182" = 15'-2"$ ✓

SIDE SLOPE SETBACK = $\frac{(24" + 29.4")}{2} + 28" (3) = 164" = 13'-8"$ ✓

MOUND WIDTH = $9' + 10'-1" + 15'-2" = 34'-3"$ ✓
 MOUND LENGTH = $56' + 13'-8" + 13'-8" = 83'-4"$ ✓

Pump RATE - 48 perforations @ 1.63 gpm = 78 gpm

Dose - $5 \times 3 \times 52.5' = 788' - 1/4"$ lateral @ 7.8 gal/100'
 $7.88 \times 7.8 = 61 \text{ gal}$
 $3" = 60' @ 3.84 \text{ gal/100'}$
 $0.6 \times 3.84 = 2.3 \text{ gal}$
 Dose = $61 + 2.3 = 63.3 \text{ gal} = \text{USE } 600/6 = 100 \text{ gal dose}$ ✓
 $100 \text{ gal} = 13.4 \text{ cu ft} \div 40 \text{ sq. ft. Pump chamber Floor} = 0.33'$
 Dose = 4" in CHIMBER

TDH ELEV. DIFFERENCE $621.66' - 610.33' = 11.33'$
 DISTAL HEAD 2.00'

f - 2" (INSIDE PUMP CHAMBER)
 $6' + \text{ball valve} + 90^\circ + \text{union} + 90^\circ + 90^\circ$
 $6' + 1.3' + 7' + 2' + 7' + 7' = 30.3'$

$f = 0.0984 \frac{Q^{1.85}}{d^{4.87}} = \frac{78^{1.85}}{2.067^{4.87}} = 0.0984 \frac{3165}{34.33} = 9' / 100'$

f - 2" = $0.303 \times 9 = 2.73'$

SANITARY/ENVIRONMENTAL ENG., INC.

Consulting Engineers
1414 Washington Road
WESTMINSTER, MARYLAND 21157
(410) 876-7740
FAX (410) 840-9924

JOB McCRACKEN PROPERTY

SHEET NO. 2 OF _____

CALCULATED BY JDC DATE _____

CHECKED BY _____ DATE _____

SCALE _____

$$F - 3" PVC \quad 60' + 90' + 90' + T$$

$$60' + 15' + 15' + 10' = 100 \text{ eq. ft.}$$

$$F - 3" @ 78 \text{ gpm} -$$

$$f = 0.0984 \frac{3165}{3.068^{4.87}} = \frac{3165}{234.95} = 0.0984 \frac{3165}{234.95}$$

$$F = 1.33' / 100' = 1.33'$$

$$\text{Total } f = 2.73 + 1.33 = 4'$$

$$TDH = 30.3' + 2' + 4' = 36.3'$$

Pump TO REMOVE 78 GPM @ 36.3 TDH

USE GOULDS MODEL 3885 WE 10 H - 1 hp

TEST DATA

NAME	<u>McCracken</u>	FILE NO	<u>A513312</u>
LOCATION	<u>13840 Triadelphia Rd</u>	COUNTY	<u>Howard</u>
	<u>Tm 22 Parcel 176</u>	DATE	<u>8-22-00</u>
		GRID	<u>E</u>
RECORDED BY	<u>DBD</u>		<u>N</u>

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
4		16"-22"	1:00		8"	
			2:21	Repair	8"	
			2:36	15	7 6/32	26/32
			2:51	15	6 14/32	24/32
			3:06	15	5 22/32	24/32
			3:21	15	4 30/32	24/32
			3:36	15	4 6/32	24/32
						$\bar{x} = 20 \text{ mpi}$
5		16"-22"	1:00		8"	
			2:23	Repair	8"	
			2:38	15	6 30/32	12/32
			2:53	15	5 29/32	1
			3:08	15	5"	30/32
			3:23	15	4 4 3/32"	28/32
			3:38	15	3 8/32"	28/32
						$\bar{x} = 16.75 \text{ mpi}$

TEST DATA

NAME McCracken FILE NO A 513312

LOCATION 13840 Triadelphia Rd COUNTY Howard

Tm 22 Parcel 176 DATE 8-22-00

GRID _____

RECORDED BY D/S

[illegible]

TEST DATA

NAME	FILE NO
LOCATION	COUNTY
	DATE
	GRID
RECORDED BY	

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
21		16"-22"	10:50		8"	
			11:32		6 8/32	29/32
			11:47		5 20/32	27/32
			12:02		4 20/32	20/32
			12:17		4 10/32	22/32
			12:32		3 12/32	20/32
		Repair	12:40		8"	22/32
			12:55		7 12/32	20/32
						$\bar{x} = 23.13 \text{ mpi}$
22		16"-22"	10:52		8"	
			11:33		5 14/32	30/32
			11:48		4 18/32	30/32
			12:03		3 20/32	29/32
		Repair	12:05		8"	28/32
			12:20		7 2/32	29/32
			12:35		6 6/32	28/32
			12:50		5 10/32	29/32
						$\bar{x} = 16.46 \text{ mpi}$

MD. GRID:

SUBDIVISION:

DATE:

BY:

D-3

TEST DATA

NAME _____	FILE NO. <u>A513312</u>
LOCATION <u>McCracken Property</u>	COUNTY <u>Howard</u>
<u>13840 Triadelphia Rd</u>	DATE <u>12-15-00</u>
<u>Tm 22 Parcel 176</u>	GRID _____ E
RECORDED BY <u>DKC</u>	N

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
23		16'-22"	10:55 11:34 11:49 12:04 12:19 12:34 12:49 1:04		8" 724/32 724/32 724/32 724/32 724/32 724/32 724/32	0/32 0/32 0/32 0/32 0/32 0/32 0/32 0/32 FAIL
24		16'-22"	10:58 11:35 11:50 12:05 12:20 12:35 12:50 1:05		8" 728/32 728/32 728/32 728/32 728/32 728/32 728/32	0/32 0/32 0/32 0/32 0/32 0/32 0/32 0/32 FAIL

MARYLAND DEPT. OF THE ENVIRONMENT ONSITE SEWAGE DISPOSAL SYSTEM SITE EVALUATION REPORT SOIL PROFILE DESCRIPTION		FILE NO. MD. GRID: TAX MAP/B/P: SUBDIVISION: DATE: BY:
LOT	SECTION	

DEPTH	TEXTURE	MATRIX COLOR	MOTTLES DESCRIPTION	STRUCTURE	CONSISTENCE	%ROCK BY VOL.	REMARKS (Caving,moisture,etc.)
-------	---------	-----------------	------------------------	-----------	-------------	------------------	-----------------------------------

[illegible][illegible]

D-3

TEST DATA

NAME McCracken

FILE NO. A 513312

LOCATION 13840 Triadelphia Rd

COUNTY Hawaiki

Tm 22 Parcel 176

DATE 8-22-00

GRID

RECORDED BY

[illegible]

SANITARY/ENVIRONMENTAL ENG., INC.

Consulting Engineers
1414 Washington Road
WESTMINSTER, MARYLAND 21157
(410) 876-7740
FAX (410) 840-9924

JOB MC CRACKIN PROPERTY

SHEET NO. _____ OF _____

CALCULATED BY _____ DATE 11/6/03

CHECKED BY TRIDELPHIA RD DATE _____

SCALE HOWARD Q. SANDMOUND

4 BED ROOMS X 150 = 600 GPD SLOPE - 5%
LOADING RATE - 1.2 GPD/Sq. Ft. - 600/1.2 = 500 Sq. Ft.
BED - 12' X 42' = 504 Sq. Ft.

UP SIDE SAND DEPTH - 24"
DOWN SIDE SAND DEPTH - 24" + (0.05 X 144") = 31"

UP SLOPE SETBACK = (24 + 22)(3)(0.87) = 120" = 10'
DOWN SLOPE SETBACK = (31 + 22)(3)(1.18) = 188" = 15'-8"
SIDE SLOPE SETBACK = $\frac{(24 + 31)}{2} + 28(3) = 166" = 13'-10"$

PUMP RATE - 36 PERFORATIONS @ 1.63 = 59 GPM

PUMP DOSE - 5 X 3 X 40.25' = 604' - 1 1/2" LATERALS @ 10.6 GAL/100'
6.04 X 10.6 = 64 GAL

PLUS - 120' - 2" @ 17.4 GAL/100' = 1.2 X 17.4 = 21 GAL (64 + 21 = 85 GAL)
DOSE = 600/6 = 100 GAL (13.4 CM Ft.)

EMERGENCY STORAGE - 58 Sq. Ft. X 2' X 7.48 = 868 GAL

MOUND LENGTH - 42' + 13'-10" + 13'-10" = 69'-8"
MOUND WIDTH - 12' + 10' + 15'-8" = 37'-8"

TDH - ELEV. DIFFERENCE - 624.66' - 609.45' = 15.2'
DISTAL HEAD 2.0'

F = 2" PVC - 6' + VALVE + L + UNION + L + L + 85' + 45' + 30' + L + T
6' + 1.3 + 7 + 2 + 7 + 7 + 85 + 4 + 30 + 7 + 10 = 166'

$F = 0.0984 \frac{59^{1.85}}{2.067^{4.87}} = 0.0984 \frac{1888}{34.33} = 5.4' / 100'$

F = 5.4 X 1.66 = 9' TDH = 15.2' + 2.0' + 9' = 26.2' (27')

PUMP TO REMOVE 59 GPM @ 27' TDH -
GOULDS MODEL 3885 - WE 07H OR EQUAL

APPLICATION

PERCOLATION TESTING

A 513312

P 45307 45037

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043

TELEPHONE: 313-2640

Purpose - to establish
10 K ~~SI~~ SEA for
replacement dwelling

DISTRICT _____

DATE 3/13/00

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 Gary McCracken

ADDRESS 13840 Triadelphia Road, Glenelg, MD 21737 PHONE (410) 964-5522

AGENT OR PROSPECTIVE BUYER J. Thomas Scrivener, Inc.

ADDRESS 8808 Centre Park Drive, Suite 209 PHONE (410) 964-5522
Columbia, MD 21045

PROPERTY LOCATION:

SUBDIVISION n/a LOT NO. n/a

ROAD AND DESCRIPTION Triadelphia Road - 1/4 mile West of the intersection of

Triadelphia Road and Ivory Road

TAX MAP 22 PARCEL # 176

SIZE OF LOT 69,231 sf TYPE BLDG. single family dwelling
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE
FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO
COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

(SIGNATURE 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

SQ. FT./BEDROOM

B 1	2241	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type BB	STATE PERMIT NUMBER HO-94-3897 fill in this form completely
Date Received (APA)		OWNER INFORMATION		
8 MM DD YY 13		15 Last Name Owner First Name 34		
86 Street or RFD 55		57 Town 70 State 72 Zip 76		
DRILLER INFORMATION				
Driller's Name		MS DE 24 License No. 81		
Firm Name		Address		
Signature		Date		
B 2	WELL INFORMATION			
APPROX. PUMPING RATE (GAL. PER MIN.)		8 12		
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY)		14 20		
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				
COUNTY NAME <u>Howard</u> COUNTY NO. <u>13</u> STATE SIGNATURE <u>Brian Baker</u> INSERT S <u>41</u> DATE ISSUED <u>3/1/04</u> CO SIGNATURE <u>3/1/05</u> EXP. DATE NORTH GRID <u>521 000</u> EAST GRID <u>802 000</u>				
APPROXIMATE DEPTH OF WELL <u>300</u> FEET		SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X		
APPROXIMATE DIAMETER OF WELL <u>6</u> INCH		SOURCES OF DRILLING WATER		
METHOD OF DRILLING (circle one)		1 <u>well</u>		
		2.		
BORED (or Augered) JETTED Jetted & DRIVEN ☒ AIR-ROTARY ☐ AIR-PERCUSION ☐ ROTARY (Hydraulic Rotary) ☐ CABLE ☐ REVERSE-ROTARY ☐ DRIVE-POINT Other		WRITE THE BOX NUMBER FROM THE MAP HERE		
		E <u>8042</u> N <u>5241</u>		
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 DEEPEMED AN EXISTING WELL				
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41				
Not to be filled in by driller (MDE OR COUNTY-USE ONLY)				
APPROX. PERMIT NUMBER <u>G</u>				
PERMIT NO. <u>HO-94-3897</u>				
SPECIAL CONDITIONS				
NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED				

WATER WELL ABANDONMENT-SEALING REPORT FORM

OK SRK
10/2/02

SUBMIT COPIES OF COMPLETED FORM TO:

- * COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- * WELL OWNER
- * MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: JUNE 15 2001 (month/day/year)

* PERMIT NUMBER OF ABANDONED WELL (if any)

* PERMIT NUMBER OF REPLACEMENT WELL

40-94-1100

40-94-3107

* PERSON ABANDONING WELL: Ralph MAYNE well drilling WELL DRILLERS LICENSE NUMBER: _____

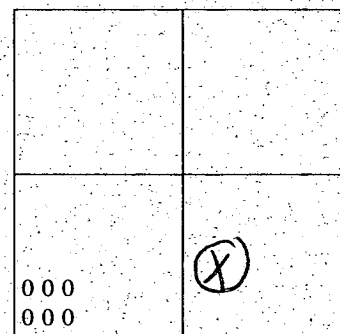
* OWNER'S NAME: Gary McCRACKEN BRS Developers CIRCLE: MWD/MSD/MGD

* WELL LOCATION:

COUNTY: Howard
NEAREST TOWN: GLENELG
TAX MAP _____ BLOCK _____ PARCEL 1E2
SUBDIVISION: McCRACKEN Prop
SECTION: _____ LOT: _____
13840 TRIDELPHIA RD.

MARYLAND GRID COORDINATES

E 802
BOX NUMBER N 521



SHOW WELL LOCATION
BY X WITHIN BOX

* TYPE OF WELL BEING ABANDONED:

☒ DRILLED ☐ JETTED
☐ BORED/AUGURED ☐ HAND DUG
☐ OTHER (specify) _____

* USE CODE:

☒ DOMESTIC ☐ MUNICIPAL/PUBLIC
☐ IRRIGATION ☐ INDUSTRIAL
☐ TEST/OBSERVATION

* TYPE OF CASING:

☒ STEEL ☐ PLASTIC
☐ CONCRETE ☐ OTHER (specify) _____

* SIZE OF CASING: 6" INCHES IN DIAMETER

* DEPTH OF WELL: 145 FEET DEEP

* WAS ANY CASING REMOVED? ☐ YES ☒ NO
if yes, length removed, in feet: _____

* WAS CASING RIPPED OR PERFORATED? ☐ YES ☒ NO

John E. [Signature]

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN

117

LICENSE #

MWD (MSD) MGD JUNE 15 2001

CIRCLE ONE

DATE

1 2 3 4 5 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)			WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE			COUNTY NUMBER P45037		
ST/CO USE ONLY DATE Received MM DD YY 8 13		DATE WELL COMPLETED MM DD YY 15 10 97		Depth of Well 22 145 28 (TO NEAREST FOOT)		PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-1100 28 29 30 31 32 33 34 35 36 37		
OWNER McCracken STREET OR RFD 13840 SUBDIVISION Philadelphia			TOWN Glenelg SECTION 1 LOT 3					
WELL LOG Not required for driven wells			GROUTING RECORD YES ☒ Y NO ☐ N			C 3		
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING			WELL HAS BEEN GROUTED (Circle Appropriate Box)			PUMPING TEST		
DESCRIPTION (Use additional sheets if needed)			TYPE OF GROUTING MATERIAL (Circle one) CEMENT ☒ CM BENTONITE CLAY ☐ BC			HOURS PUMPED (nearest hour) 3		
FEET FROM TO check if water bearing			NO. OF BAGS 27 NO. OF POUNDS 2538			PUMPING RATE (gal. per min.) 10		
Sand 0 79 Gray Mica Rock 79 145			GALLONS OF WATER 162			METHOD USED TO MEASURE PUMPING RATE Air		
DEPTH OF GROUT SEAL (to nearest foot) from 0 to 43 ft. to 58 ft. (enter 0 if from surface)			WATER LEVEL (distance from land surface)			BEFORE PUMPING 43 ft.		
casing types insert appropriate code below			CASING RECORD STEEL ☐ ST CONCRETE ☐ CO PLASTIC ☐ PL OTHER ☐ OT			WHEN PUMPING 96 ft.		
MAIN CASING TYPE ST			Nominal diameter top (main) casing (nearest inch) 6			Total depth of main casing (nearest foot) 83		
OTHER CASING (if used)			diameter depth (feet) inch from to			TYPE OF PUMP USED (for test)		
EACH CASING			screen type or open hole insert appropriate code below			☒ A air ☐ P piston ☐ T turbine ☐ C centrifugal ☐ R rotary ☐ O other (describe below) ☐ J jet ☐ S submersible		
NUMBER OF UNSUCCESSFUL WELLS: 0			WELL HYDROFRACTURED YES ☒ Y NO ☐ N			PUMP INSTALLED DRILLER WILL INSTALL PUMP YES ☐ YES ☒ NO		
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			TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29			IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.		
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.			CAPACITY: GALLONS PER MINUTE (to nearest gallon)			PUMP HORSE POWER		
DRILLERS LIC. NO. MSD024 DRILLERS SIGNATURE Wm E. Mayne (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. M D			PUMP COLUMN LENGTH (nearest ft.)			CASING HEIGHT (circle appropriate box and enter casing height)		
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)			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)			SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH)		
GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 36			MODE USE ONLY (NOT TO BE FILLED IN BY DRILLER) (E.R.O.S.)			LAND SURFACE 2 (nearest foot)		
TELESCOPE CASING			LOG INDICATOR			OTHER DATA		

DRILLERS LIC. NO. **MSD024**

DRILLERS SIGNATURE **Wm E. Mayne**

LIC. NO. **M D**

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

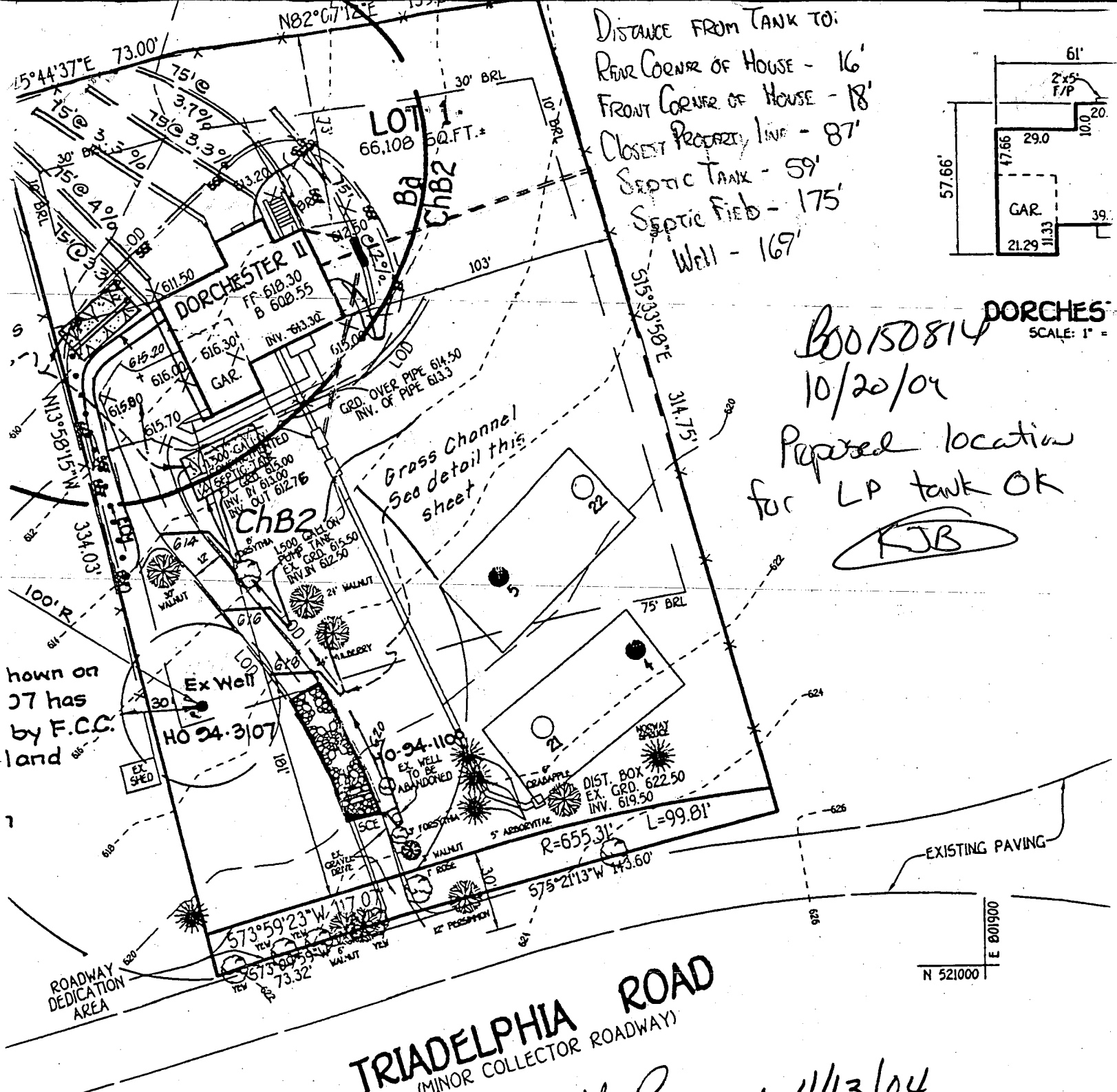
TELESCOPE CASING

LOG INDICATOR

OTHER DATA

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)



*** REVISED 4/13/04**
13840 Triadelphia Rd.
B00146811

PERC CERTIFICATION PLAN
SITE DEVELOPMENT & SEDIMENT/EROSION
Mc CRACKEN PROP
LOT 1

TAX MAP NO.: 22 PARCEL NO.: 176 GR
 THIRD ELECTION DISTRICT HOWARD COUNT
 SCALE: 1"=50' DATE: OCTOBER

RIPTION
UR 2' INTERVAL
OUT
OL MATTING

BUILDER
 WILLIAMSBURG GROUP, LLC