

LAYOUT: 9/30/04 - 11 AM INSP 4 10/8/04
 INSP 2 10/6/04 10 AM INSP 5 10/12/04 -
 INSP 3 10/7/04 10 AM INSP 6 12/23/04 - 11-12

ISSUE DATE: 9/2/04

P 520862

APPROVAL DATE: 12/23/04

**PERMIT
INDEXED**

A 513592-A 1B

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

Hatfields Equipment IS PERMITTED TO INSTALL ALTER

ADDRESS: 13785 Burntwoods Rd., Glenelg 21737 PHONE NUMBER: 301-854-6172

SUBDIVISION: Brighton Pines LOT NUMBER: 23

ADDRESS: 13701 Lakeside Drive PROPERTY OWNER: Douglas Homes

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, see plan for location.
NOTES:	Sand mounds should be staked and keep heavy equipment off location.

PLANS APPROVED: Kacie Noonan DATE: 6/30/2004

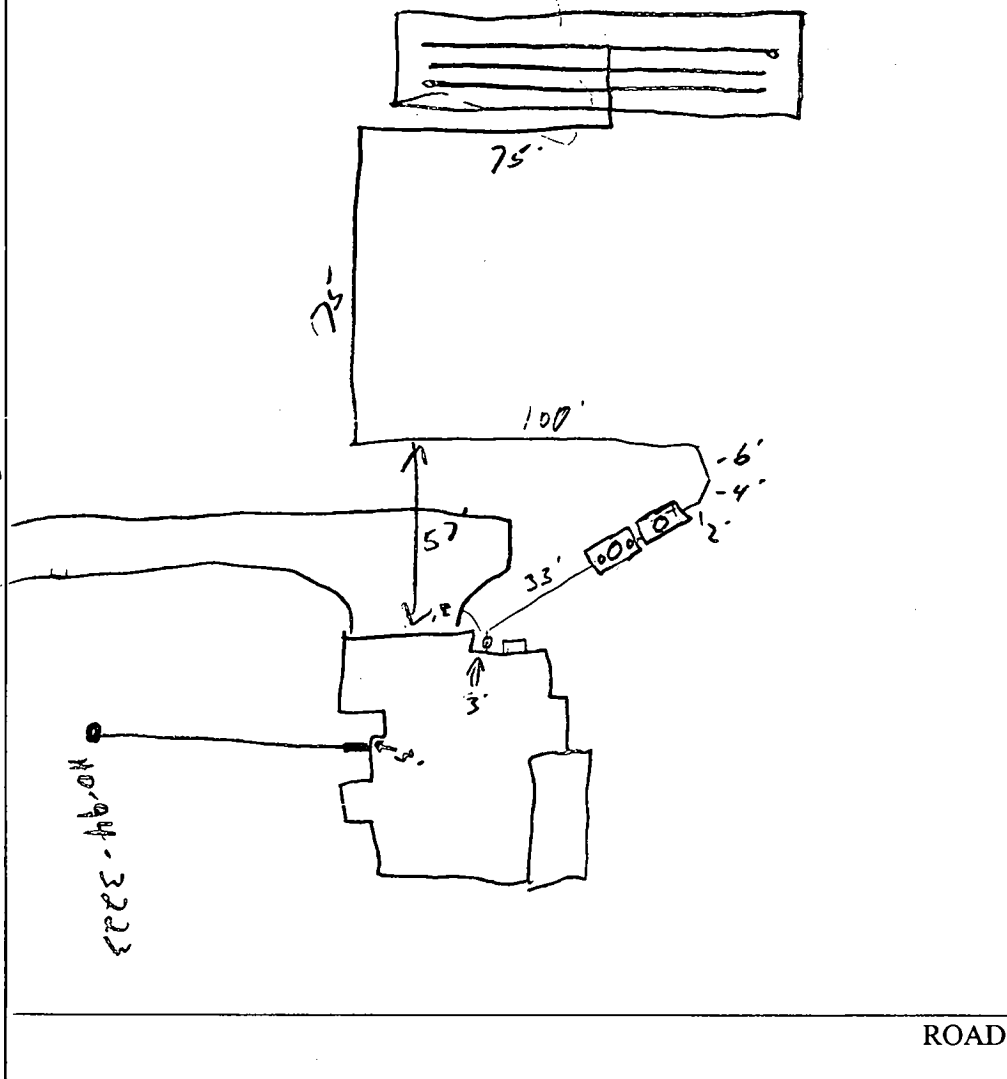
NOTES: PERMIT VOID AFTER 2 YEARS.
 CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
 WATERTIGHT SEPTIC TANKS REQUIRED
 ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED
 MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED
 CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE REGULATIONS, GUIDELINES AND THE TERMS OF THIS PERMIT

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

A 513592 A+B

NOT TO SCALE

Lake side Rd



DOSING CHAMBER

Tank Level
 Capacity 1500 Gal
 Seam Location Top
 Tank Lid Depth 1'
 Manhole Location Center
 Water Tight Test

FLOAT SETTINGS

Low Off 1
 Low On 2
 High On 3
 Alarm 4
 Dose Volume

SAND MOUND I

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

SAND MOUND II

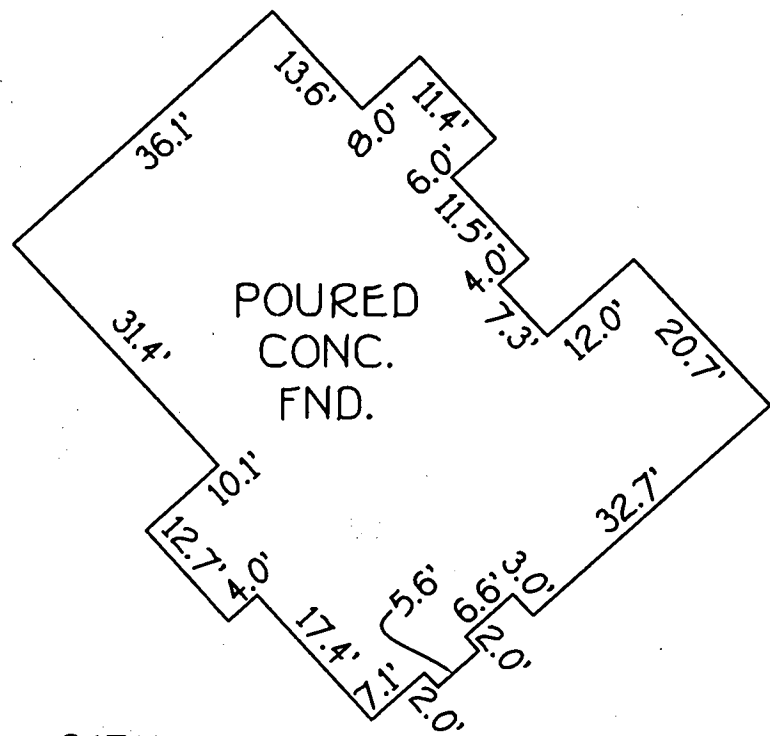
Bed Length
 Bed Width
 Bed Area sq ft
 Mound Length
 Mound Width
 Mound Area sq ft
 Basal Area sq ft

PRE-CONSTRUCTION 9/30/04 - Tanks set, S.T. not complete, not as per unit. Install outlet baffle filter. S.M. corners staked wrong. Need to re stake. No starting of S.M. until ground dries (SO) 10/6/04 - Ground looks dry, OK to start. Mound area staked properly (SO) 10/7/04 - Mound area plowed (SO) 10/7/04 - Most of mound covered in sand. OK to continue (SO) 10/8/04 - Sand bed finished, starting gravel bed (SO) 10/8/04 - Sand, gravel beds finished, 1 1/2" liners complete, filter dish installed, clay being put on top. Did pump test w/ generator, flow came up 2' in.

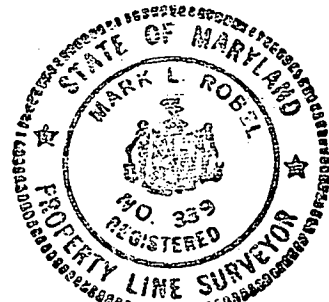
FINAL INSPECTOR [Signature] DATE OF APPROVAL 12/23/04
 turn ups (SO) 12/12/04 - Topsoil, seed & hay applied to S.M. Still needs alarm test (SO) 12/23/04 pump & Alarm test OK (SO)

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. 2400440032B 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 0.5' (+)
- 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-94-3223 HAS BEEN FIELD LOCATED BY FISHER, COLLINS AND CARTER, INC. PROFESSIONAL LAND SURVEYORS AND IS ACCURATELY SHOWN.

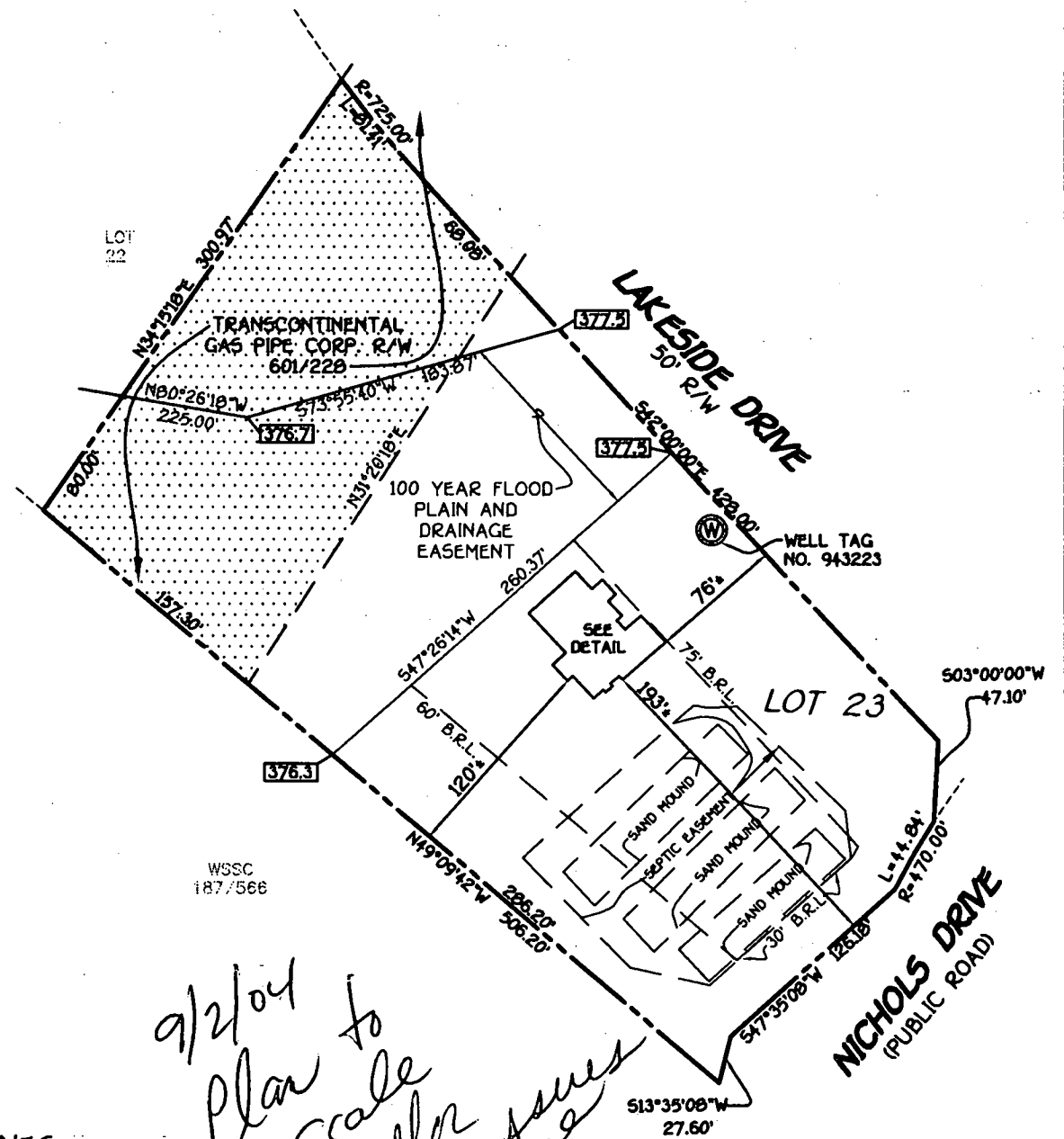


DETAIL:
1"=20'



Mark Robel 8/5/02
PROFESSIONAL LAND SURVEYOR DATE

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLSWORTH CITY, MARYLAND 21042
1980-1981 - 2000



LOT 23
BRIGHTON PINES
SECTION ONE, AREA ONE
LOTS 1 & 23
FIFTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
PLAT REF. 6010

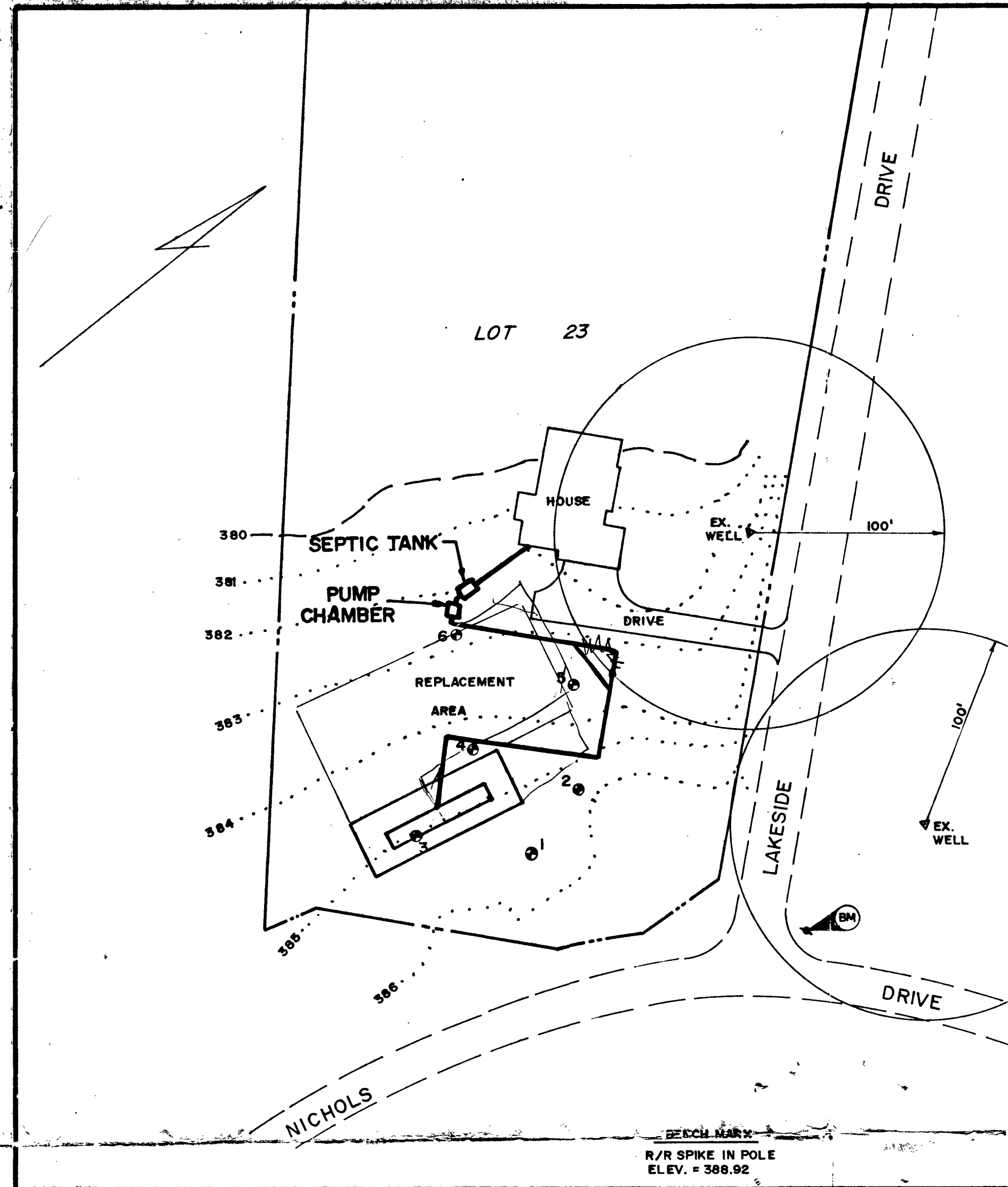
B.R.L. = BUILDING RESTRICTION LINE
TOP OF FOUNDATION ELEV. 387.6'±
TOP OF CONCRETE FOOTER ELEV. = 379.6'±
TOP OF SLAB ELEV. = 379.6' + 0.33' = 379.93'±

*9/2/04
Plan to
scale
No well or
septic issues
OK to release
septic permit*

HOUSE LOCATION DRAWING

FOUNDATION LOCATION: 7/27/04
FINAL LOCATION: _____
BOUNDARY SURVEY: _____

SCALE: 1"=100'
DATE: 08/05/04
DRAWN BY: V.L.J.
CHECKED BY: M.L.R.
PROJECT No.: 61734

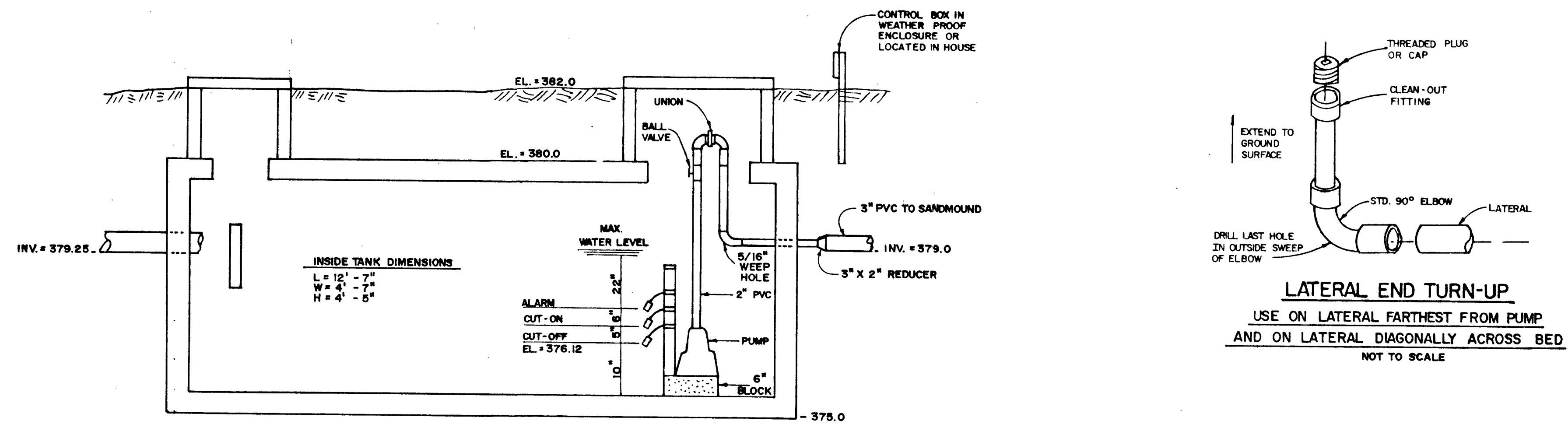
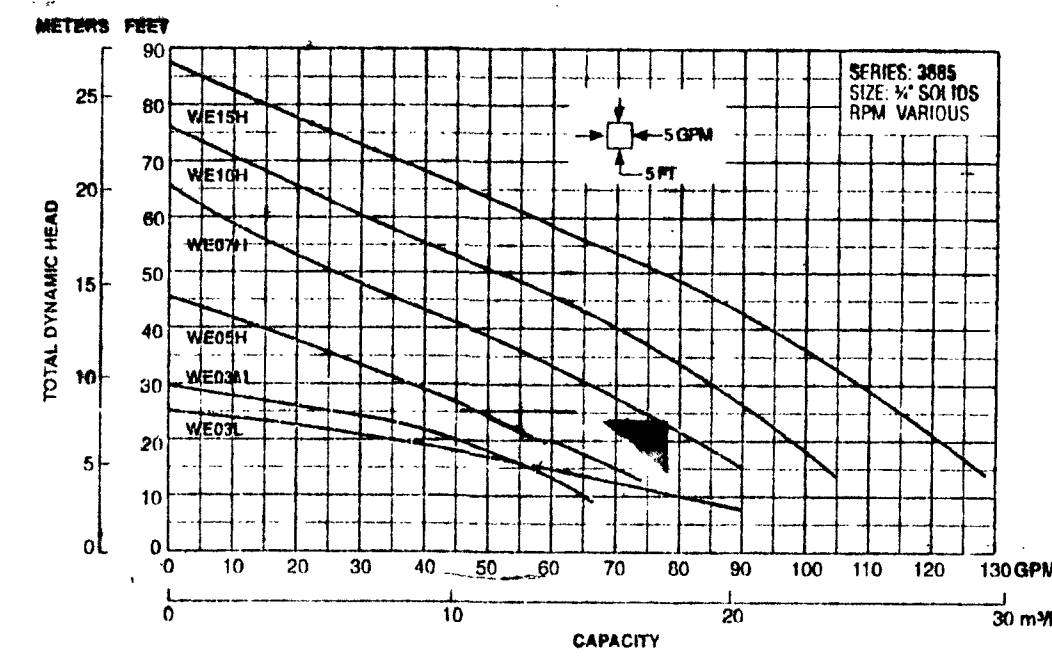


DESIGN CRITERIA

4 Bed Rooms x 150 = 600 GPD
 Loading Rate = 1.0 GPD/Sq Ft = 600 Sq Ft
 Bed 10' x 63' = 630 Sq Ft
 1 - 1,500 GAL. Compartmented Top Seam Septic Tank
 1 - 1,500 GAL. Top Seam Pump Chamber
 Pump Rate = 36 Perforations @ 1.63 GPM = 59 GPM
 Mound Width = 27' - 8"
 Mound Length = 94' - 8"

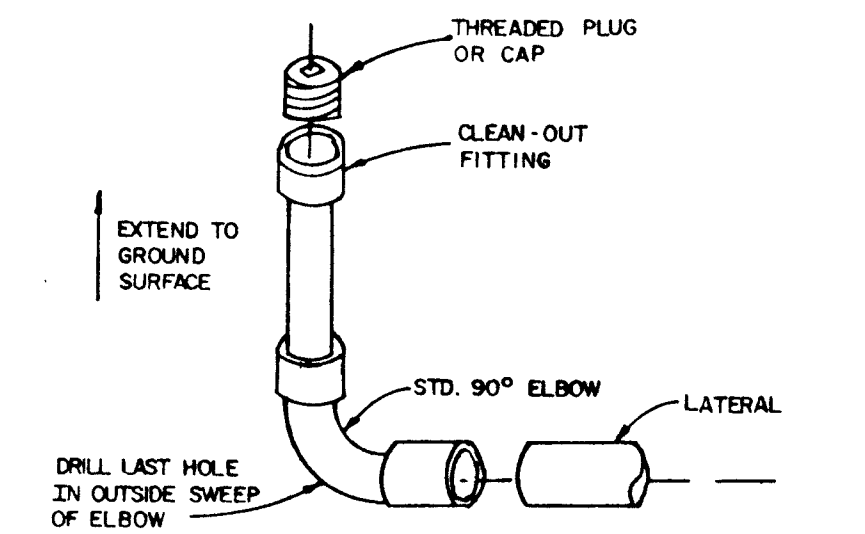
SPECIFICATIONS

- Tank measurements and elevations are based on septic tanks and pump chambers as manufactured by Mayor Bros., Elkridge, Md. (410) 796-1434.
- All piping to be schedule 40 PVC of sizes shown.
- The force main from the pump chamber to the sand bed is to be installed with a continuous slope back to the chamber to assure complete drainage following each pump cycle.
- A submersible pump to remove 78 GPM against 24' TDH to be provided. Pump to be a Goulds Model 3885-WE-07H- 3/4 hp, or equal.
- A test of the pump system and distribution piping is required prior to covering the system.
- The High Water Alarm is to be on a separate circuit.
- Alarm to be located in the house.
- Stone bed to be 1/2" to 2 1/2" clean gravel. Crushed lime stone is not acceptable.

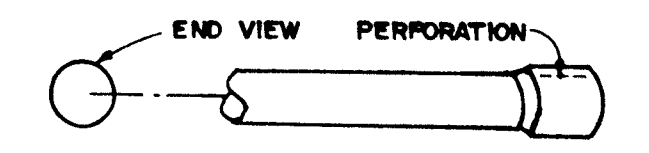


TOP SEAM 1500 GAL. PUMP CHAMBER

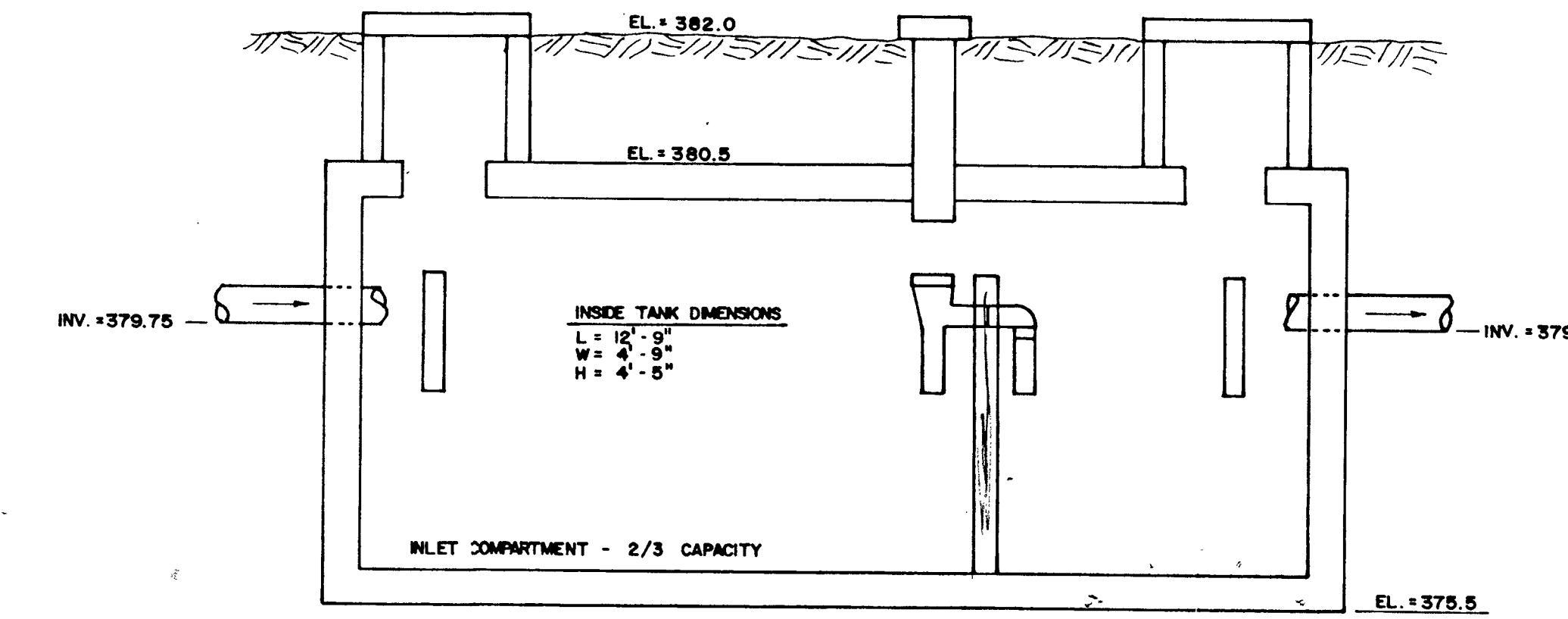
NOT TO SCALE



LATERAL END TURN-UP
 USE ON LATERAL FARTHEST FROM PUMP
 AND ON LATERAL DIAGONALLY ACROSS BED
 NOT TO SCALE

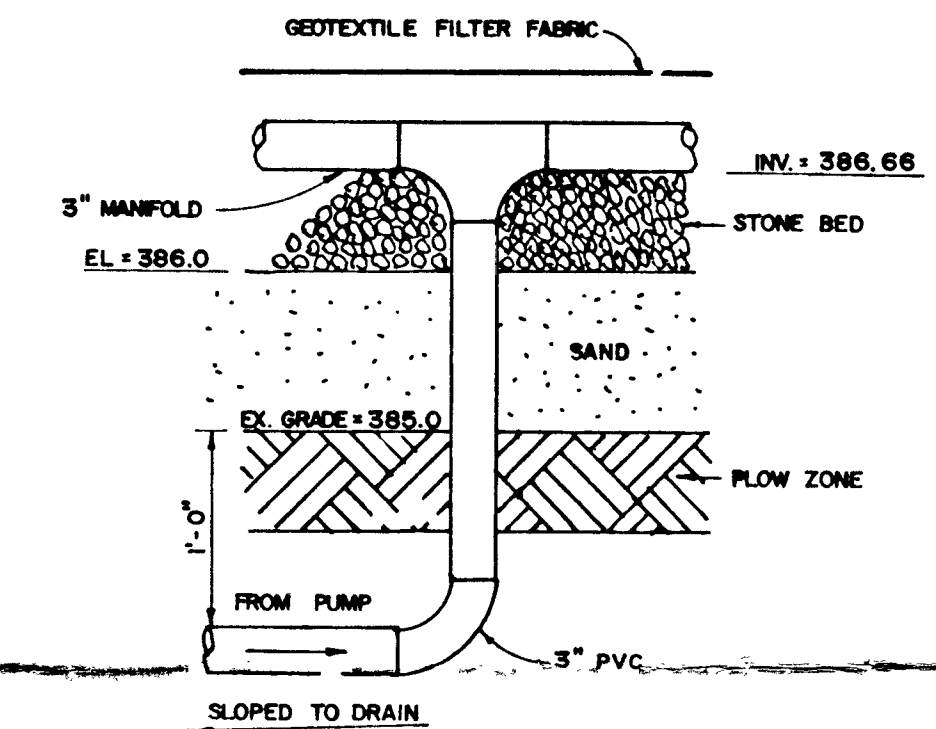


LATERAL END CAP
 USE ON LATERALS NOT
 EQUIPPED WITH TURN-UP
 NOT TO SCALE



TOP SEAM 1500 GAL. SEPTIC TANK

NOT TO SCALE



SUPPLY LINE - MANIFOLD DETAIL

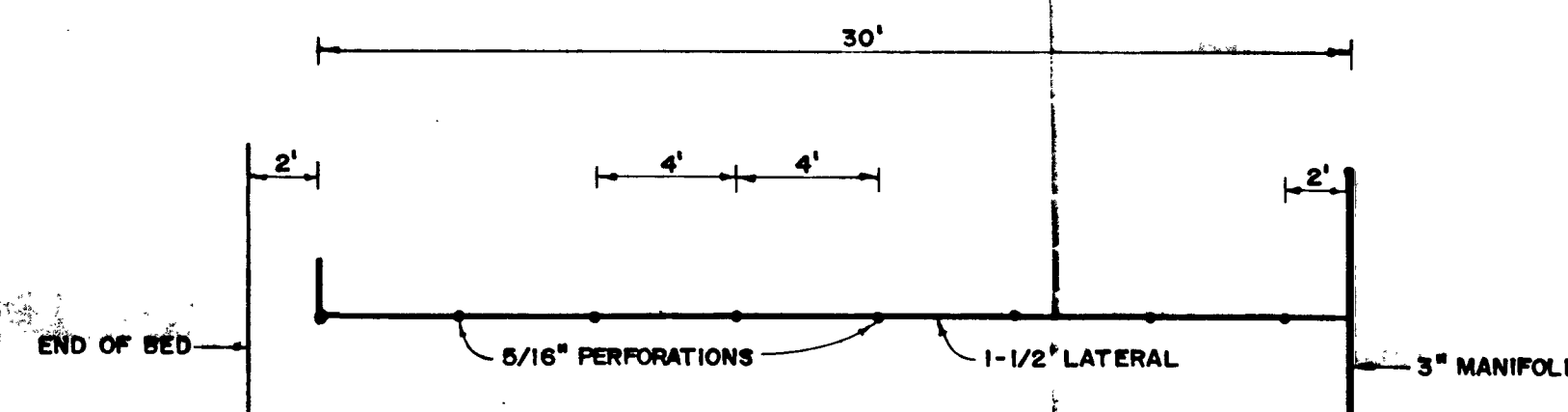
NOT TO SCALE

SITE PLAN
 SCALE: 1" = 50'

PERC RESULTS

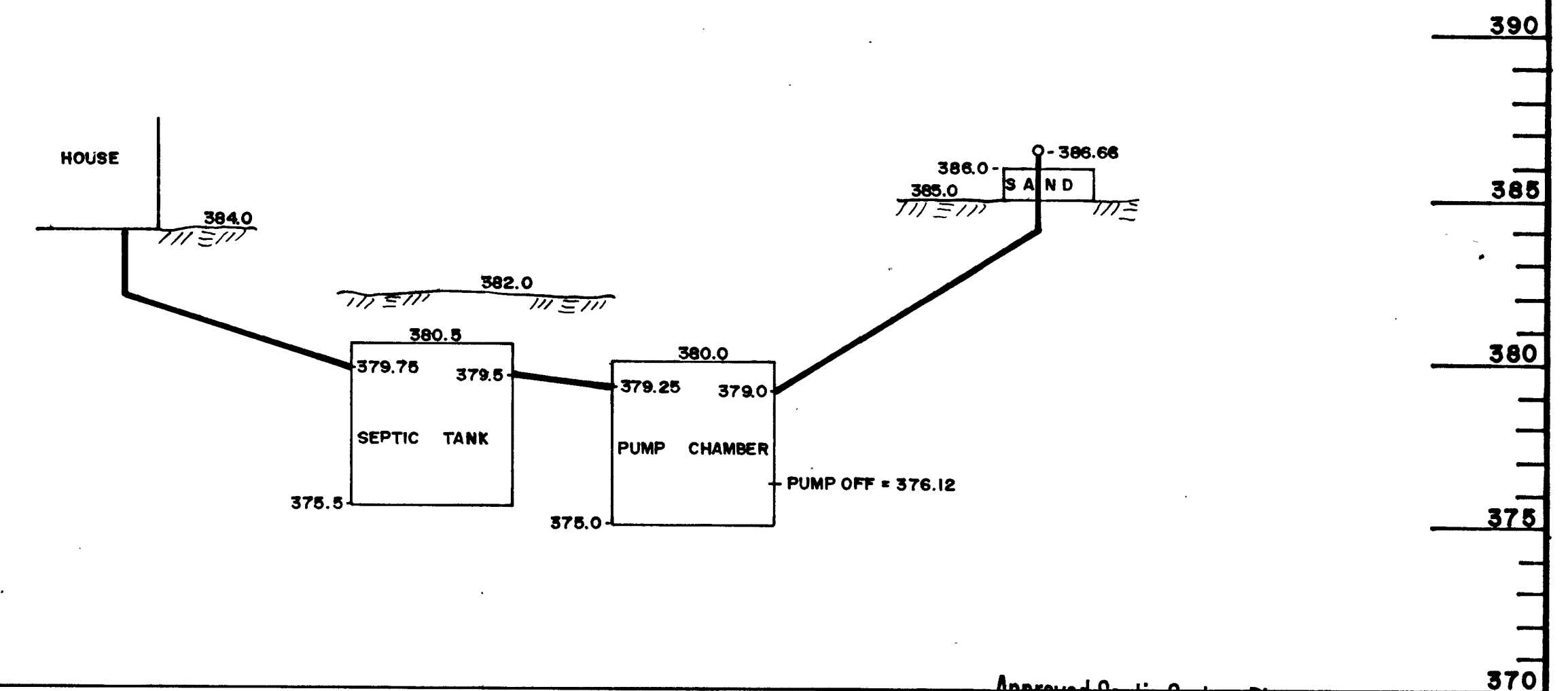
1 - 25 Min. - ok to 48"
2 - 24 Min. - " " "
3 - 67 Min. - " " "
4 - 45 Min. - " " "
5 - 60 Min. - " " "
6 - 44 Min. - " " "

SITE PLAN
 SCALE: 1" = 50'



LATERAL DETAIL

SCALE: 3/16" = 1"

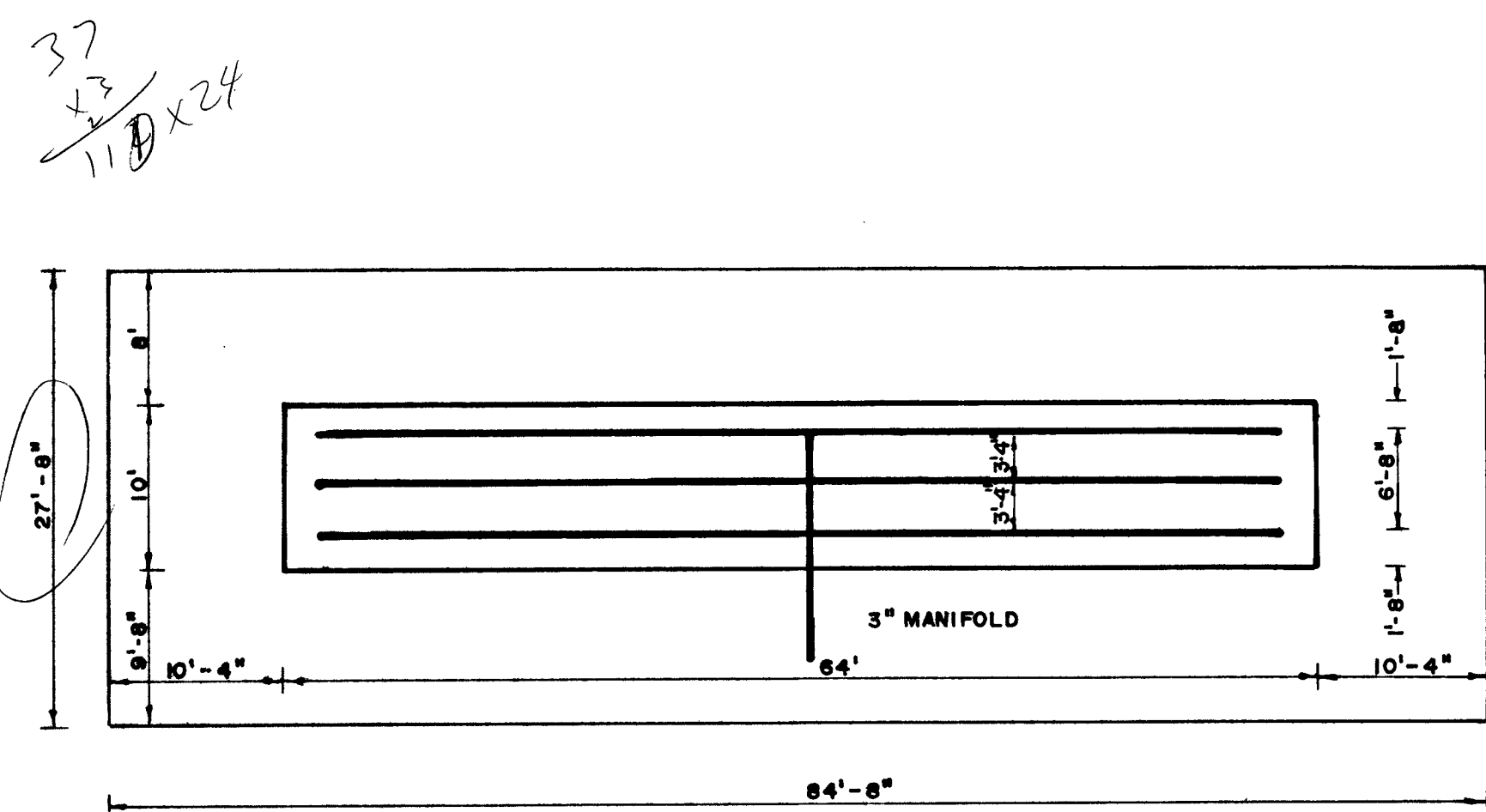


HYDRAULIC PROFILE

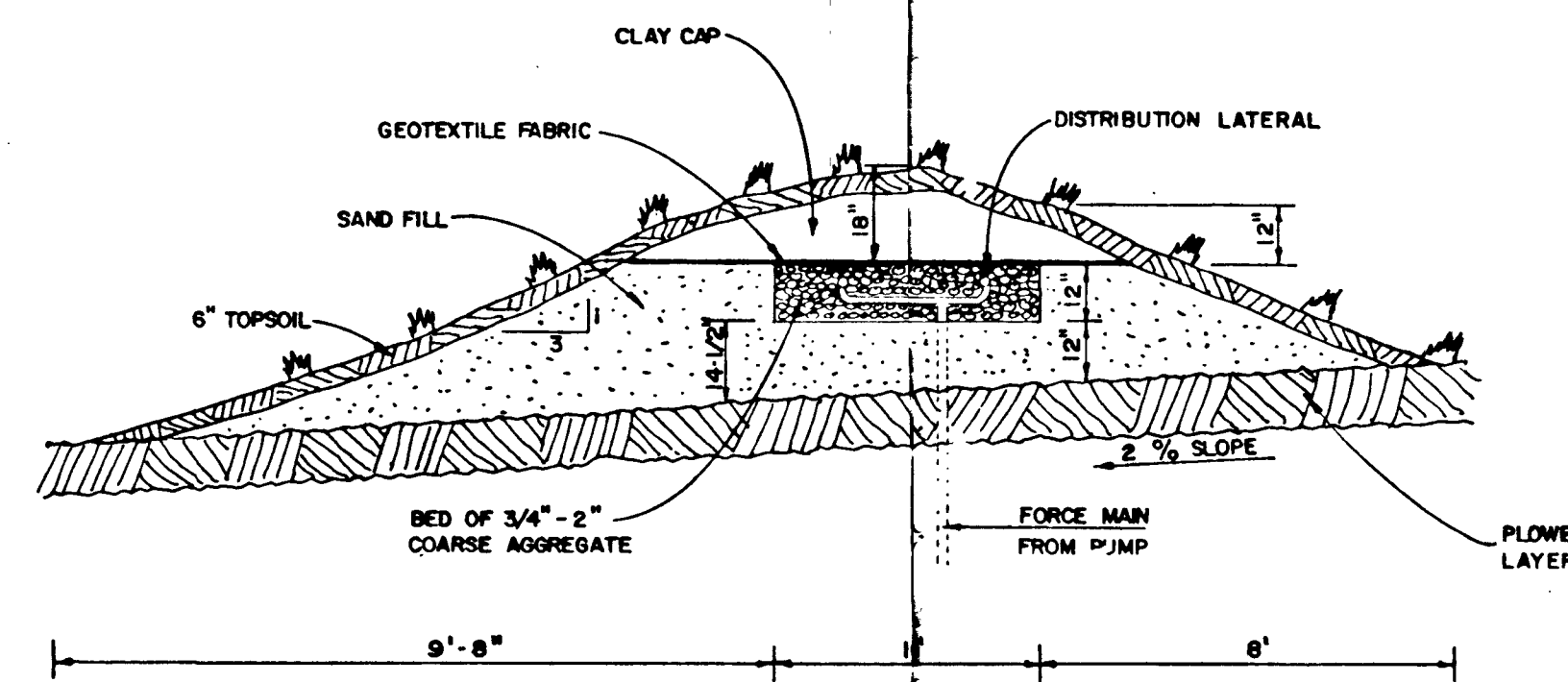
SCALE: V: 1/4" = 1'
 H: N.T.S.

Approved Septic System Plan
 Howard County Health Department

Signature: *J. Clise*
 Date: 6/9/04



MOUND LAYOUT
 SCALE: 1" = 10'



MOUND DESIGN

NOT TO SCALE



James R. Clise

S/E ENGINEERING, INC.			
WESTMINSTER, MARYLAND			
SCALE: AS SHOWN	APPROVED:	DRWN: RSK	
DATE: MAY, 2004	JDC	DES: JDC	
LOT 23 BRIGHTON PINES NICHOLS DRIVE - HOWARD COUNTY			
SANDMOUND			DRAWING NO. 1 OF 1

**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 (Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.

Company Name: Fogles Well Drilling Telephone #: 410-795-5670
Address: 580 Obrecht Rd
Sylesville md 21784

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer

License # and name of individual responsible for the field installation:

Name (Print): Allen Compton License# MSD009

*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. License may be subjected to field verification.

Name of Property Owner: Douglas Homes Telephone #: _____
Subdivision: Brighton Pines Lot #: 23 Well Tag #: HO 94-3223
Site Address: 13701 Lakeside Dr

Submersible Pump Data	Pitless Adapter	Well Cap and Electric Conduit
Make: <u>Goolds</u>	Make: <u>Campbell</u>	Two piece watertight cap: <u>ye</u>
Model #: <u>SGS15422</u>	Model #: <u>N/A</u>	Screened, vented well cap: <u>ye</u>
Pump Capacity <u>5</u> GPM	Depth: <u>36</u> (36" min)	Cap secured to casing: <u>yes</u>
Well Yield: <u>1</u> GPM	NSF approved: <u>yes</u>	Conduit min 18" B.G.: <u>ye</u>
Depth of well encountered at time of pump installation: <u>600</u> (feet)		Conduit secured to well cap: <u>s</u>
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.11		
Torque arrestors or Cable guards are required - Must circle one		
Safety rope, if used, attached to inside of well casing with eye bolt <u>N/A</u>		

Piping to house	House Connection
Type: <u>1" Black Plastic</u>	PVC sleeved to undisturbed soil at wall penetration: <u>ye</u>
PSI: <u>160</u> (160 psi min)	Approximate length of sleeve: <u>5</u>
Depth of supply line: <u>42</u> (36" min)	Sleeve caulked and sealed properly: <u>ye</u>

The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewer piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

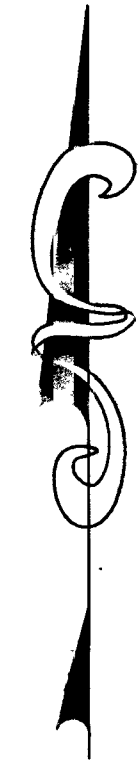
Signature of company representative responsible for installation: Allen Compton date: 12-13-04

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

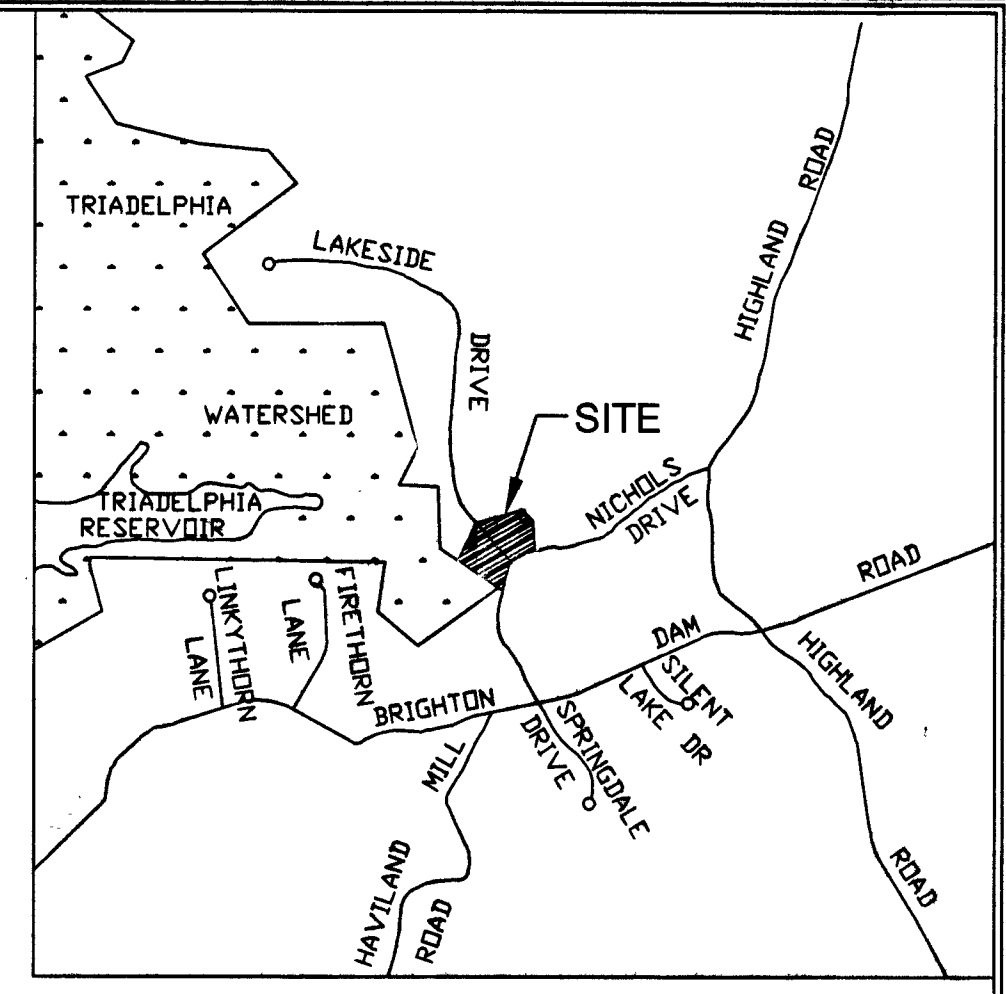
Date Insp. Requested: _____	Date Insp. Approved: <u>1/27/05</u>
Inspection Data:	
Pitless adapter and water supply line at least 36" below grade	<input checked="" type="checkbox"/>
Two piece cap installed and attached to casing securely	<input checked="" type="checkbox"/>
Elec. conduit extends at least 18" below grade/attached to cap properly	<input checked="" type="checkbox"/>
Safety rope installed inside of well casing	<input checked="" type="checkbox"/>
Correct well tag attached properly and casing 8" above finished grade	<input checked="" type="checkbox"/>
Water supply line sleeved adequately at house connection	<input checked="" type="checkbox"/>
Adequate grout observed below pitless adapter	<input checked="" type="checkbox"/>

HD-215 (Rev. 8/00)

1/25/05
Cap Not Attached Correctly - Told Mark (Fogles) to get it fixed. BB



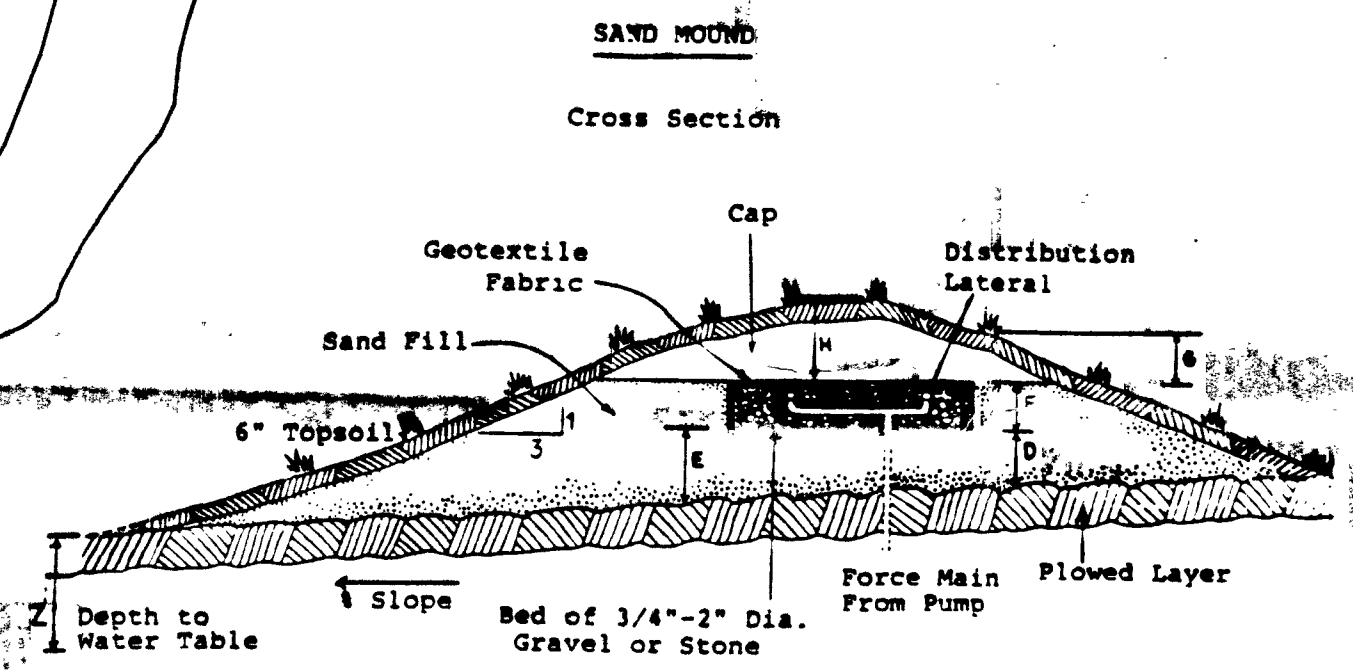
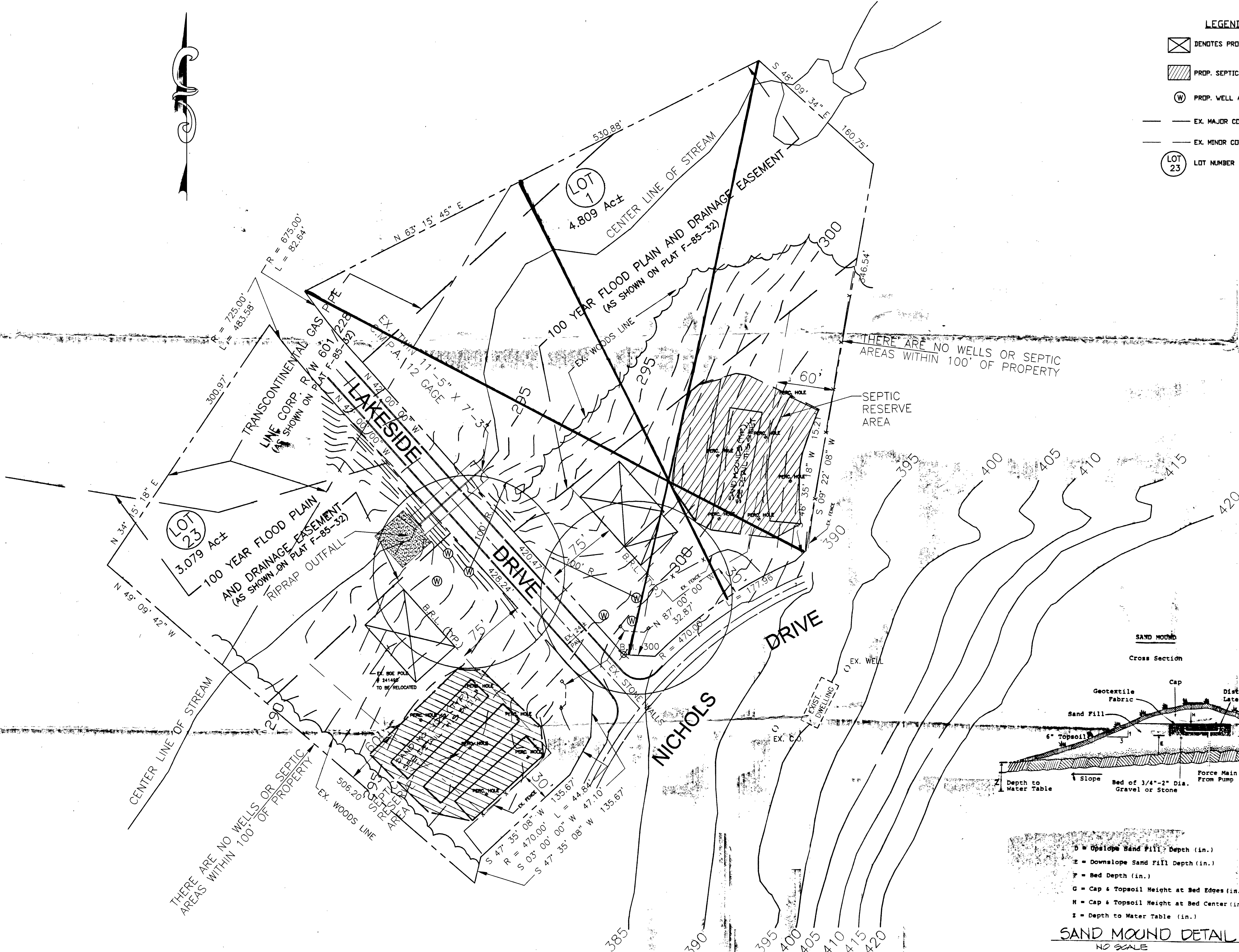
- LEGEND**
- DENOTES PROPOSED HOUSE
 - PROP. SEPTIC RESERVE AREA
 - PROP. WELL AREA
 - EX. MAJOR CONTOUR
 - EX. MINOR CONTOUR
 - LOT NUMBER



VICINITY MAP
SCALE: 1" = 200'

GENERAL NOTES:

1. SUBJECT PROPERTY ZONED "RR-DEO"
2. TOTAL AREA OF PROPERTY = 5.070 ac±
3. PRIVATE WATER, AND SEWER WILL BE USED WITHIN THE PROJECT.
4. THIS AREA DESIGNATES A PRIVATE SEWAGE RESERVE AREA SUITABLE FOR SAND MOUND TYPE SYSTEMS ONLY 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. THIS AREA 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 SEWAGE RESERVE AREA.
5. THE LOT HEREIN COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
6. ALL WELLS AND SEPTIC FIELDS WITHIN 100' OF PROPERTY'S BOUNDARY HAVE BEEN SHOWN WHERE PERTINENT.
7. THE SEPTIC FIELDS ARE LOCATED ON SOIL TYPE CHB2 AS PER THE SOIL SURVEY OF HOWARD COUNTY.
8. THE SEPTIC FIELDS PROPOSED ARE LOCATED ON AREAS WITH SLOPES LESS THAN 12%.
9. FIELD SURVEY BY: C.B. MILLER AND ASSOC. ON OCTOBER, 2000
10. LOCATING PERCOLATION TEST HAPS WITH ELEVATIONS: 23 IS BASED ON FIELD RUN TOPOGRAPHIC SURVEY ON LOT 23 IS BASED ON ASSUMED ELEVATIONS. OFF-SITE TOPOGRAPHY IS BASED ON HOWARD COUNTY AERIAL TOPOGRAPHIC SURVEY.
11. A SAND MOUND DETAILED CONSTRUCTION PLAN IS TO BE SUBMITTED FOR REVIEW AND APPROVAL BY THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO ISSUANCE OF A BUILDING PERMIT FOR THE RESIDENCE.



- D = Upslope Sand Fill Depth (in.)
- E = Downslope Sand Fill Depth (in.)
- F = Bed Depth (in.)
- G = Cap & Topsoil Height at Bed Edges (in.)
- H = Cap & Topsoil Height at Bed Center (in.)
- I = Depth to Water Table (in.)

SAND MOUND DETAIL
NO SCALE



Zacharia G. Fitch
12/24/00

PERCOLATION CERTIFICATION PLAN
~~LOT 1 AND~~ LOT 23
BRIGHTON PINES

TAX MAP : 34 PARCEL : P/O 110 GRID :
FIFTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: NOVEMBER 3, 2000
DRAWN BY: M.L.T. CHK'D BY: Z.F.
SHEET 1 OF 1

PLAN
SCALE: 1" = 50'

FSH Associates
Engineers Planners Surveyors
8318 Forest Street Ellicott City, MD 21043
Tel: 410-750-2251 Fax: 410-750-7350
E-mail: FSHAssociates@ca.com

APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS.
HOWARD COUNTY HEALTH DEPARTMENT.
Dr. M. Maliszewski 12/24/00
COUNTY HEALTH OFFICER DATE

OWNER
HIGHLAND DEVELOPMENT CORPORATION
c/o MR. RICHARD DEMITT
P.O. BOX 228
CLARKSVILLE, MD 21029

PLAT TRANSMITTAL SHEET

TO: ~~TO:~~ FISHER, COLLINS & CARTER, INC

~~FROM:~~ JOHN BORIS

DATE: 6/16/04

RE: BUILDING PERMIT PLAN: 13701 LAKESIDE DRIVE
BRIGHTON AVENUE, LOT 23

Please find 1 paper copy(s) and mylar(s) for your:

Review + make revisions + submit a corrected plan

Review & signature

Return to Environmental Health Well & Septic Program.

Your copy

SAND MOUND

SEPTIC SPECIFICATIONS WORKSHEET

SUBDIVISION: Brighton Pines
STREET NAME: Lakeside Dr LOT NUMBER: 23
AVERAGE PERCOLATION RATE: _____ SQUARE FEET PER BEDROOM: _____
NUMBER OF BEDROOMS: _____ LINEAR FEET OF TRENCH PER BEDROOM: _____
TOTAL LINEAR FEET OF TRENCH: _____ SEPTIC TANK CAPACITY: _____
TOP SEALED TANK REQUIRED? YES OR NO COMPARTMENTED TANK REQUIRED? YES OR NO

TRENCH DIMENSIONS: Trench to be _____ feet wide. Inlet _____ feet below original grade.
Bottom maximum depth _____ feet below original grade. Effective area begins at _____ feet
below original grade. _____ feet of stone below distribution pipe.

PUMPED SYSTEM PROPOSED: YES OR NO
Pumped Septic System Detail: 1500 gallon(s) pump chamber.
Top Seamed Pump Chamber Required? YES OR NO
Note 1: Septic pump detail to be provided by installer prior to issuance of septic permit.
Note 2: Pump performance test is necessary prior to Health Department approval of pump
septic system.

LOCATION: Place mound in location shown on plan

ADDITIONAL NOTES: Modify force main location to not encroach on well arc. Force main is spec'd to be 3 inches

Reviewer: [Signature] Date: 6/9/04

C/18/03

Plan needs
Corrections. Ignore
Spec Sheet until
corrections are
made.

A handwritten signature consisting of a large, stylized letter 'J' with a loop at the bottom.

SEDIMENT CONTROL NOTES

- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSING AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (313-1055).
- 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 THERE TO.
- FOLLOWING INITIAL SOIL DISTURBANCE OR RESTORANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: a) 7 CALENDAR DAYS FOR ALL PERMANENT SEDIMENT CONTROL STRUCTURES, DICES, PERIMETER SLOPES, AND ALL SLOPES STEEPER THAN 3:1, b) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAP/BASINS SHALL BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE. 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. 50, 50C, 50D, 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.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:
TOTAL AREA OF SITE: 7,899 ACRES
AREA TO BE ROOFED OR PAVED: 0.156 ACRES
AREA TO BE VEGETATIVELY STABILIZED: 140 ACRES
TOTAL CUT: 2,590 CU.YDS.
TOTAL FILL: 0 CU.YDS.
OFFSITE WASTE/BORROW AREA LOCATION: [Blank]
- ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF RESTORATION OF SOIL EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER UTILITIES BEING INSPECTED APPROVAL MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
- TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH SHALL BE BACK-FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

- SEQUENCE OF CONSTRUCTION**
- OBTAIN GRADING PERMIT.
 - INSTALL SEDIMENT CONTROLS AS SHOWN ON PLAN (1 DAY).
 - PERFORM NECESSARY GRADING AND STABILIZE THE SITE (2 DAYS).
 - CONSTRUCT DWELLING ON SITE (10 DAYS).
 - AFTER THE SITE IS STABILIZED AND PERMISION 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 RESTORED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

SEEDING 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 @ 150 LBS./1000 SQ. FT.)

SEEDING:
FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 1 1/2 BUSHEL PER ANNUAL RYE (3.2 LBS./1000 SQ.FT.) FOR THE PERIOD MAY 1 THROUGH AUGUST 14, SEED WITH 3 LBS./ACRE OF WEEPING LOVEGRASS (0.7 LBS./1000 SQ.FT.) 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 SOIL.

MULCHING:
APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNROTTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 210 GALLONS PER ACRE (3 GAL./1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 8 FEET OR HIGHER, USE 340 GALLONS PER ACRE (3.4 GAL./1000 SQ.FT.) FOR ANCHORING. REFER TO THE 1998 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:

SEEDING 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./1000 SQ.FT.) AND 600 LBS. PER ACRE 0-20-20 FERTILIZER (14 LBS./1000 SQ.FT.) BEFORE SEEDING. FOR THE PERIOD MAY 1 THROUGH AUGUST 14, SEED WITH 3 LBS./ACRE OF WEEPING LOVEGRASS (0.7 LBS./1000 SQ.FT.) 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 SOIL.

MULCHING:
APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNROTTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 210 GALLONS PER ACRE (3 GAL./1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 8 FEET OR HIGHER, USE 340 GALLONS PER ACRE (3.4 GAL./1000 SQ.FT.) FOR ANCHORING.

MAINTENANCE:
INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.
* FOR PUBLIC PONDS SUBSTITUTE CHEMUNG CROWNWEED 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 A GEOLOGIST AND APPROVED BY THE APPROPRIATE AUTHORITY. REGARDLESS, TOPSOIL SHALL NOT BE A MIXTURE OF CONTRASTING TEXTURE SUBSOILS AND SHALL CONTAIN LESS THAN 5% BY VOLUME OF CINDERES, 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 BERBERIS GRASS, QUACKGRASS, JOHNSONGRASS, WHEATGRASS, PISON IVY, THISTLE, OR OTHERS AS SPECIFIED.

WHERE THE TOPSOIL IS EITHER HIGHLY ACIDIC OR COMPOSED OF HEAVY CLAYS, GRAVEL LIMESTONE SHALL BE SPREAD AT THE RATE OF 4-8 TONS/ACRE (200-400 POUNDS PER 1000 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.

ADDRESS CHART

LOT NUMBER	STREET ADDRESS
1	LAKESIDE DRIVE
23	LAKESIDE DRIVE

LEGEND

SYMBOL	DESCRIPTION
---	EXISTING CONTOUR 2' INTERVAL
+362.50	SPOT ELEVATION
-SF-SF	SILT FENCE AND TREE PROTECTION
L.O.D.	LIMIT OF DISTURBANCE

Revision
1. Rev. lot 1 qrd, Lot 23 from Greenbriar to Warwick II 4-16-04
2. Add SWM roof & non-roof disconnect to Lot 23 6-8-04
3. Rev. SWM out of 100' well radius, show orange fencing to SDA, add notes # 13 & 14. 6-18-04

THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
APPROVED: [Signature] DATE: 3/12/02
HOWARD SOIL CONSERVATION DISTRICT

SEQUENCE OF CONSTRUCTION

- OBTAIN GRADING PERMIT. 1 DAY
- INSTALL SEDIMENT AND EROSION CONTROL DEVICES AS SHOWN ON PLAN. 1 DAY
- CLEAR AND GRUB TO LIMITS OF DISTURBANCE AND MASS GRADE TO SUB-BASE. 1 DAY
- INSTALL TEMPORARY SEEDING. 1 DAY
- CONSTRUCT BUILDINGS. 2 MONTHS
- FINE GRADE SITE AND INSTALL PERMANENT SEEDING AND LANDSCAPE. 1 DAY
- REMOVE SEDIMENT CONTROL DEVICES AS UPLAND AREAS ARE STABILIZED AND PERMISION IS GRANTED BY E/S CONTROL INSPECTOR. 2 DAYS

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND METS TECHNICAL REQUIREMENTS.
REVIEWED BY: [Signature] DATE: 3/12/02
U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE

TEMPORARY SEEDING NOTES

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

SEEDING 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 @ 150 LBS./1000 SQ.FT.)

SEEDING:
FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 1 1/2 BUSHEL PER ANNUAL RYE (3.2 LBS./1000 SQ.FT.) FOR THE PERIOD MAY 1 THROUGH AUGUST 14, SEED WITH 3 LBS./ACRE OF WEEPING LOVEGRASS (0.7 LBS./1000 SQ.FT.) 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 SOIL.

MULCHING:
APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNROTTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 210 GALLONS PER ACRE (3 GAL./1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 8 FEET OR HIGHER, USE 340 GALLONS PER ACRE (3.4 GAL./1000 SQ.FT.) FOR ANCHORING.

PERMANENT SEEDING NOTES
ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:

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

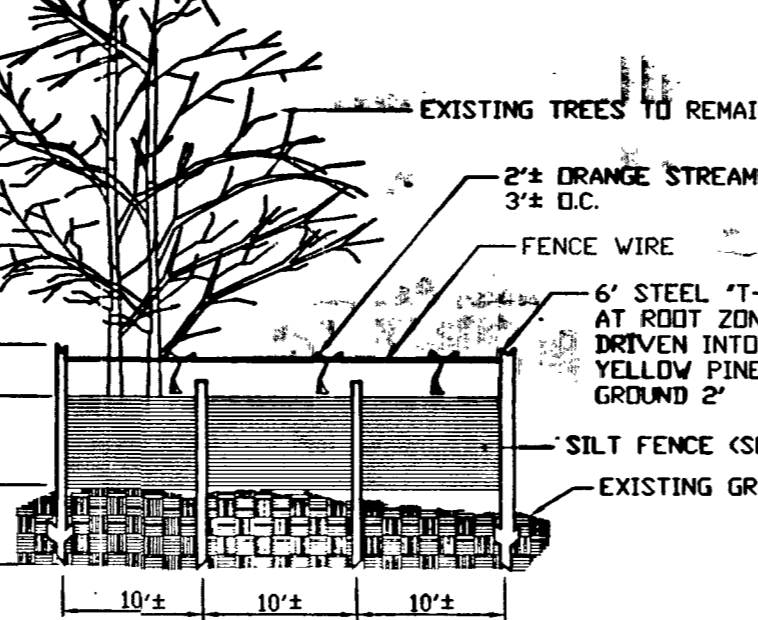
SOIL AMENDMENTS:
APPLY TWO TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1000 SQ.FT.) AND 600 LBS. PER ACRE 0-20-20 FERTILIZER (14 LBS./1000 SQ.FT.) BEFORE SEEDING. FOR THE PERIOD MAY 1 THROUGH AUGUST 14, SEED WITH 3 LBS./ACRE OF WEEPING LOVEGRASS (0.7 LBS./1000 SQ.FT.) FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 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 SOIL.

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MAINTENANCE:
INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.
* FOR PUBLIC PONDS SUBSTITUTE CHEMUNG CROWNWEED 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.

SILT FENCE AND TREE PROTECTION

NOT TO SCALE



- Silt fence to be heeled into the soil.
- Wire, snow fence, etc. for tree protection only.
- Boundaries of Retention Area will be established as part of the Forest Conservation Plan review process.
- Boundaries of Retention Area should be staked and flagged prior to installing device.
- Avoid root damage when placing anchor posts.
- Device should be properly maintained throughout construction.
- Protection signs are also required, see Figure C-4.
- Locate Fence outside the Critical Root Zone.

CONSTRUCTION SPECIFICATIONS
1. Fence posts shall be a minimum of 36" long driven 16" minimum into the ground. Wood posts shall be 1 1/2" x 1 1/2" square (minimum) cut, or 1 3/4" diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard T or U section weighing not less than 1000 pound per linear foot.
2. Geotextile 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 lb/in (min) Test: MSMT 509
Tensile Modulus: 20 lb/in (min) Test: MSMT 509
Flow Rate: 0.3 gal ft / minute (max): MSMT 322
Filtering Efficiency: 75% (min) Test: MSMT 322
3. Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.
4. Silt fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reduced 50% of the fabric height.

SILT FENCE

NOT TO SCALE

The existing well shown on this plan #HO 04-3223 has been field located by Fisher Collins & Carter, Inc. professional land surveyors, and is accurately shown.

LOT 23
3.079 Ac

OWNER
DOUGLAS HOMES INC.
P.O. BOX 629
ELLCOTT CITY, MARYLAND 21043

DEVELOPER'S CERTIFICATE
I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.
[Signature] DATE: 3-7-02

ENGINEER'S CERTIFICATE
I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITION AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
[Signature] DATE: 3-7-02

SITE DEVELOPMENT, SEDIMENT/EROSION CONTROL PLAN, NOTES & DETAILS
BRIGHTON PINES SECTION ONE, AREA ONE
LOTS 1 & 23
PLAT 6010
TAX MAP No: 34 P/O PARCEL 110 ZONED: RC-DEO
FIFTH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
SCALE: 1" = 50' DATE: MARCH, 2002
SHEET 1 OF 1

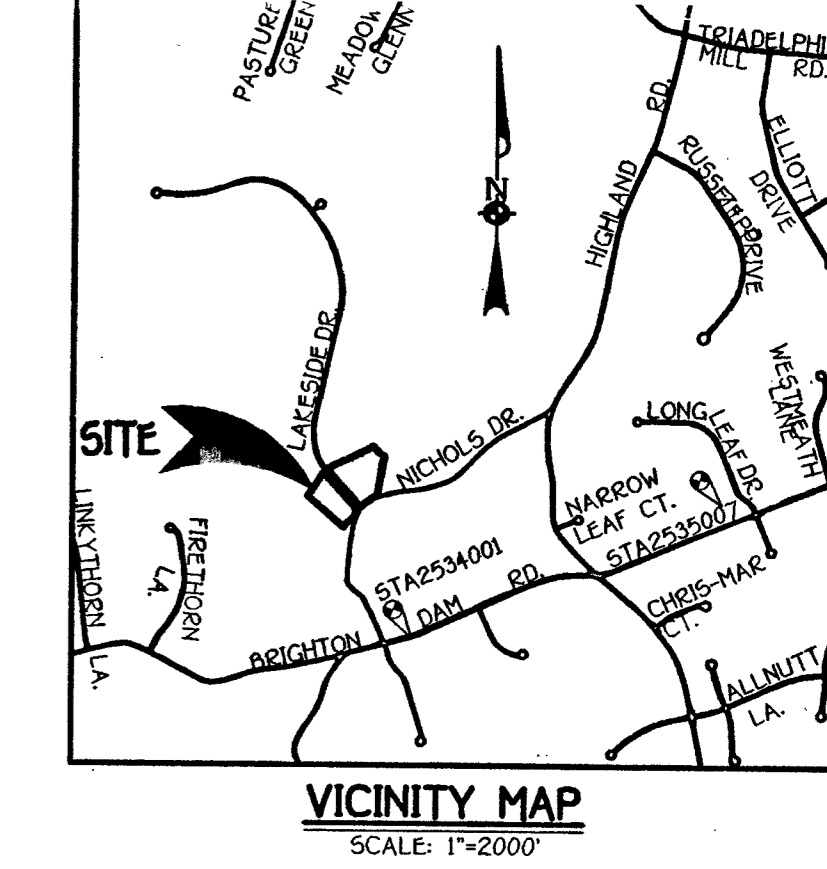
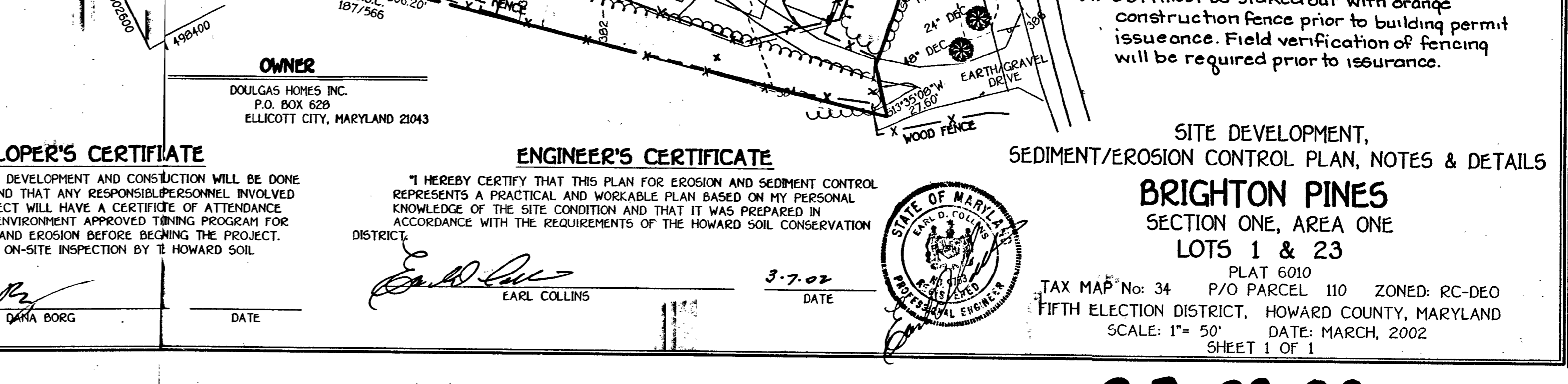
G.P. 02-98

REVISIONS
1. Rev. hse 4 qrd, lot 1 from Box to Greenbriar II 6-30-02

LOT 1
4.809 Aca

LOT 2
3.079 Ac

LOT 22
3.079 Ac



CLIFTON C. LINK PROPERTY
LOT PLAT 3720

GENERAL NOTES

- THE PROPERTY IS ZONED ZONE PER THE 10/3/77 COMPREHENSIVE ZONING PLAN.
- THE TOTAL AREA INCLUDED IN THIS SUBMISSION IS 7,899 AC.
- THE TOTAL NUMBER OF LOTS INCLUDED IN THIS SUBMISSION IS 2.
- DEPARTMENT OF PLANNING AND ZONING REFERENCE FILE NUMBERS ARE 5-04-1994-F-05-32.
- IN ACCORDANCE WITH SECTION 12B(4) OF THE HOWARD COUNTY SUPPLEMENTARY ZONING DISTRICT REGULATIONS, BAY WINDOWS OR CHIMNEYS NOT MORE THAN 16 FEET IN WIDTH MAY PROJECT NOT MORE THAN 4 FEET INTO ANY SETBACKS, PORCHES AND DECKS MAY PROJECT NOT MORE THAN 10 FEET INTO THE FRONT OR REAR SETBACKS.
- THE DRIVEWAY ENTRANCE IS PER HOWARD COUNTY STANDARD DETAIL R-6.03.
- THIS PLAN IS BASED ON A BOUNDARY SURVEY PERFORMED BY FISHER, COLLINS & CARTER, INC. DATED 1994.
- TOPOGRAPHY IS BASED ON FIELD RUN TOPOGRAPHY PERFORMED BY FISHER, COLLINS & CARTER, INC. DATED JANUARY, 2002.
- B.M. RAILROAD SPIKE SET IN POLE ELEV. 308.92.
- HORIZONTAL & VERTICAL CONTROLS ARE BASED ON STATION NOS. STA. 2534001 N497015.03 E803080.95
STA. 2535007 N498055.93 E808069.06
- Septic sand mound design and trench locations to be determined at permit issuance.
- SWM for Lot 23 is provided by roof top and non-roof top disconnect. SWM devices must be 100' from well.
- SDA must be staked out with orange construction fence prior to building permit issuance. Field verification of fencing will be required prior to issuance.

PLAT 6010
TAX MAP No: 34 P/O PARCEL 110 ZONED: RC-DEO
FIFTH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
SCALE: 1" = 50' DATE: MARCH, 2002
SHEET 1 OF 1

STATE OF MARYLAND
PROFESSIONAL ENGINEER

DATE: 3-7-02

DATE: 3-7-02

DATE: 3-7-02

DATE: 3-7-02

DATE: 3-7-02

DATE: 3-7-02

DATE: 3-7-02

DATE: 3-7-02

SEDIMENT CONTROL NOTES

- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (03-10-95).
- 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 THEREOF.
- 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.
- ALL SEDIMENT TRAPS/BASINS SHALL BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12 OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE AND SPECIFICATIONS AND SEDIMENT CONTROL. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS AND SOIL EROSION AND SEDIMENT CONTROL. FOR PERMANENT SEEDING (SEC. 50), SOIL (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.
- 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.
- SITE ANALYSIS:
 - 7888 ACRES TOTAL AREA OF SITE
 - 1123 ACRES AREA TO BE ROOFED OR PAVED
 - 0-150 ACRES AREA TO BE VEGETATIVELY STABILIZED
 - 145 CUYD. TOTAL FILL
 - 2590 CUYD. OFFSITE WASTE/POORROW AREA LOCATION
- ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- 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.
- TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH SHALL BE BACK-FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

SEQUENCE OF CONSTRUCTION

- OBTAIN GRADING PERMIT.
- INSTALL SEDIMENT CONTROLS AS SHOWN ON PLAN. (1 DAY)
- PERFORM NECESSARY GRADING AND STABILIZE THE SITE. (2 DAYS)
- CONSTRUCT DWELLING ON SITE. (90 DAYS)
- 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 RE-DISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

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

SOIL AMENDMENTS:
APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER (4 LBS./1000 SQ. FT.)

SEEDING:
FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH NOVEMBER 15, SEED WITH 1 1/2 BUSHEL PER ANNUAL RYE (32 LBS./1000 SQ. FT.) FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS./ACRE OF WEEPING LOVEGRASS (107 LBS./1000 SQ. FT.) FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 29. PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE 500.

MULCHING:
APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ. FT.) OF UNROTTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 210 GALLONS PER ACRE (5 GAL./1000 SQ. FT.) OF ENHANCED ASPHALT ON SLOPES 8 FEET OR HIGHER. USE 340 GALLONS PER ACRE (8 GAL./1000 SQ. FT.) FOR ANCHORING. REFER TO THE 1989 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:

SEEDING 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./1000 SQ. FT.) AND 600 LBS. PER ACRE 0-20-20 FERTILIZER (4 LBS./1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 30-0-0 UREAFORM FERTILIZER (9 LBS./1000 SQ. FT.) AND 500 LBS. PER ACRE (115 LBS./1000 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 (23 LBS./1000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 60 LBS./ACRE (4 LBS./1000 SQ. FT.) KENTUCKY 31 TALL FESCUE AND 2 LBS. PER ACRE (205 LBS./1000 SQ. FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THROUGH FEBRUARY 29, PROJECT SITE BY OPTION (D) - TWO TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (E) - 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./1000 SQ. FT.) OF UNROTTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 210 GALLONS PER ACRE (5 GAL./1000 SQ. FT.) OF ENHANCED ASPHALT ON SLOPES 8 FEET OR HIGHER. USE 340 GALLONS PER ACRE (8 GAL./1000 SQ. FT.) FOR ANCHORING.

MAINTENANCE:
INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.
* FOR PUBLIC PONDS SUBSTITUTE CHEMING CROWNWEED 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 A 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 3% BY VOLUME OF CINDER, 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 BERBERIS 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 1000 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:

SEEDING 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./1000 SQ. FT.) AND 600 LBS. PER ACRE 0-20-20 FERTILIZER (4 LBS./1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 30-0-0 UREAFORM FERTILIZER (9 LBS./1000 SQ. FT.) AND 500 LBS. PER ACRE (115 LBS./1000 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 (23 LBS./1000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 60 LBS./ACRE (4 LBS./1000 SQ. FT.) KENTUCKY 31 TALL FESCUE AND 2 LBS. PER ACRE (205 LBS./1000 SQ. FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THROUGH FEBRUARY 29, PROJECT SITE BY OPTION (D) - TWO TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (E) - SEED WITH 100 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH TWO TONS/ACRE WELL ANCHORED STRAW. ALL SLOPES SHOULD BE HYDROSEEDED.

MULCHING:
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MAINTENANCE:
INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.
* FOR PUBLIC PONDS SUBSTITUTE CHEMING CROWNWEED 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 A 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 3% BY VOLUME OF CINDER, 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 BERBERIS 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 1000 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:

SEEDING 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./1000 SQ. FT.) AND 600 LBS. PER ACRE 0-20-20 FERTILIZER (4 LBS./1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 30-0-0 UREAFORM FERTILIZER (9 LBS./1000 SQ. FT.) AND 500 LBS. PER ACRE (115 LBS./1000 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 (23 LBS./1000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 60 LBS./ACRE (4 LBS./1000 SQ. FT.) KENTUCKY 31 TALL FESCUE AND 2 LBS. PER ACRE (205 LBS./1000 SQ. FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THROUGH FEBRUARY 29, PROJECT SITE BY OPTION (D) - TWO TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (E) - 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./1000 SQ. FT.) OF UNROTTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 210 GALLONS PER ACRE (5 GAL./1000 SQ. FT.) OF ENHANCED ASPHALT ON SLOPES 8 FEET OR HIGHER. USE 340 GALLONS PER ACRE (8 GAL./1000 SQ. FT.) FOR ANCHORING.

MAINTENANCE:
INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.
* FOR PUBLIC PONDS SUBSTITUTE CHEMING CROWNWEED 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 A 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 3% BY VOLUME OF CINDER, STONES, SLAG, COARSE FRAGMENTS, GRAVEL, STICKS, ROOTS, TRASH OR OTHER MATERIALS LARGER THAN 1 1/2" IN DIAMETER.

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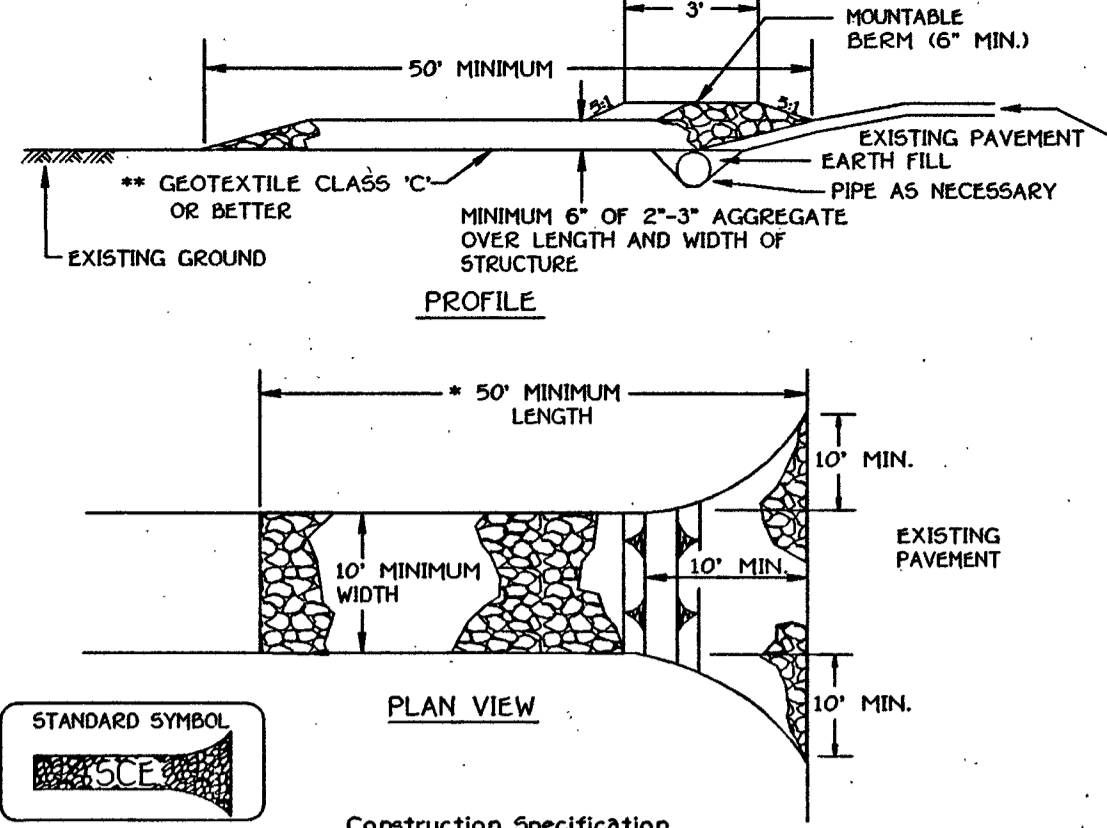
SEEDING PREPARATION:
LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

SOIL AMENDMENTS:
APPLY TWO TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1000 SQ. FT.) AND 600 LBS. PER ACRE 0-20-20 FERTILIZER (4 LBS./1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 30-0-0 UREAFORM FERTILIZER (9 LBS./1000 SQ. FT.) AND 500 LBS. PER ACRE (115 LBS./1000 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 (23 LBS./1000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 60 LBS./ACRE (4 LBS./1000 SQ. FT.) KENTUCKY 31 TALL FESCUE AND 2 LBS. PER ACRE (205 LBS./1000 SQ. FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THROUGH FEBRUARY 29, PROJECT SITE BY OPTION (D) - TWO TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (E) - 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./1000 SQ. FT.) OF UNROTTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 210 GALLONS PER ACRE (5 GAL./1000 SQ. FT.) OF ENHANCED ASPHALT ON SLOPES 8 FEET OR HIGHER. USE 340 GALLONS PER ACRE (8 GAL./1000 SQ. FT.) FOR ANCHORING.

MAINTENANCE:
INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.
* FOR PUBLIC PONDS SUBSTITUTE CHEMING CROWNWEED 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.

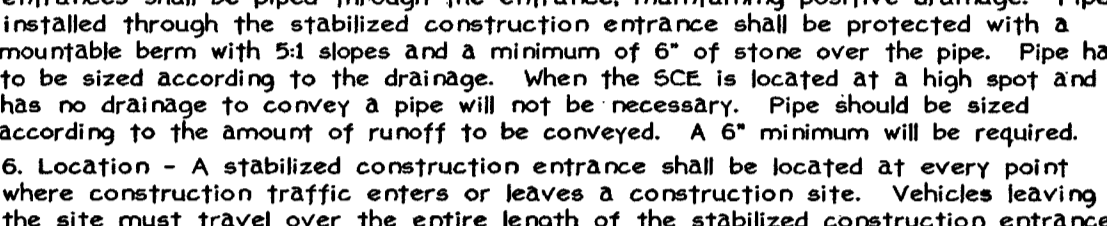


Construction Specification

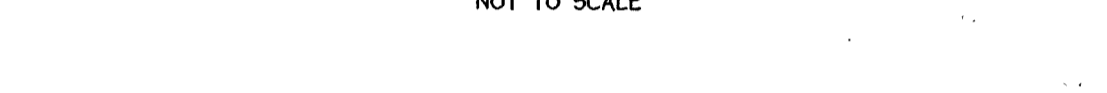
- Length - minimum of 50' (+30' for single residence lot).
- Width - 10' minimum, should be flared at the existing road to provide a turning radius.
- Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. **The plan approval authority may not require single family residences to use geotextile.
- 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.
- 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' slopes and a minimum of 6" of stone over the pipe. Pipe shall 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.
- 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



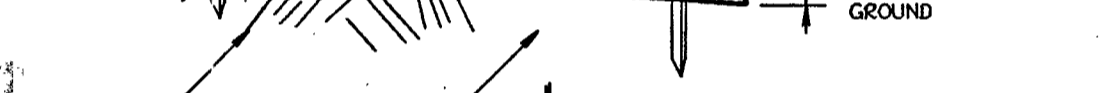
PERSPECTIVE VIEW



TOP VIEW



CROSS SECTION



STANDARD SYMBOL



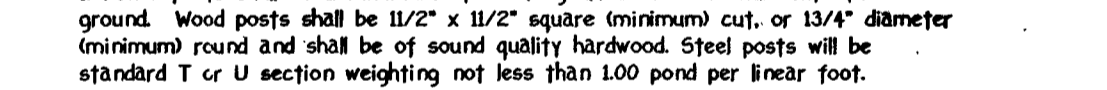
JOINING TWO ADJACENT SILT FENCE SECTIONS



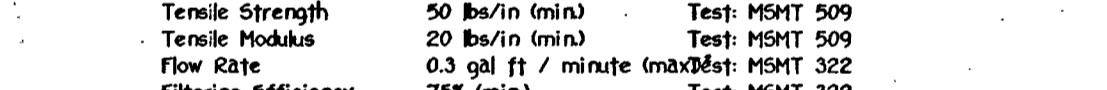
STANDARD SYMBOL



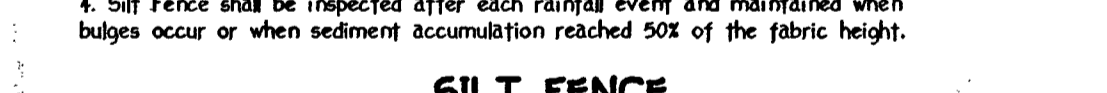
STANDARD SYMBOL



STANDARD SYMBOL



STANDARD SYMBOL



STANDARD SYMBOL



STANDARD SYMBOL



STANDARD SYMBOL



STANDARD SYMBOL



STANDARD SYMBOL



STANDARD SYMBOL



STANDARD SYMBOL

TEMPORARY SEEDING NOTES

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

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

SOIL AMENDMENTS:
APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER (4 LBS./1000 SQ. FT.)

SEEDING:
FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH NOVEMBER 15, SEED WITH 1 1/2 BUSHEL PER ANNUAL RYE (32 LBS./1000 SQ. FT.) FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS./ACRE OF WEEPING LOVEGRASS (107 LBS./1000 SQ. FT.) FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 29. PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE 500.

MULCHING:
APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ. FT.) OF UNROTTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 210 GALLONS PER ACRE (5 GAL./1000 SQ. FT.) OF ENHANCED ASPHALT ON SLOPES 8 FEET OR HIGHER. USE 340 GALLONS PER ACRE (8 GAL./1000 SQ. FT.) FOR ANCHORING.

MAINTENANCE:
INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.
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APPLY TWO TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1000 SQ. FT.) AND 600 LBS. PER ACRE 0-20-20 FERTILIZER (4 LBS./1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 30-0-0 UREAFORM FERTILIZER (9 LBS./1000 SQ. FT.) AND 500 LBS. PER ACRE (115 LBS./1000 SQ. FT.) OF 10-20-20 FERTILIZER.

SEEDING:
FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 1

C1 0683

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 513592 A+B

ST/CO USE ONLY

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE RECEIVED MM DO YY

8 30 2001

600 (TO NEAREST FOOT)

HO-94-3223

OWNER Highland Development, STREET OR RFD Lakeside Dr, TOWN Highland, SUBDIVISION Brighton Pines, SECTION, LOT 23

WELL LOG

Not required for driven wells

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 11 NO. OF POUNDS 1034

GALLONS OF WATER 66

DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 19 ft.

CASING RECORD

casing types insert appropriate code below

STEEL (ST), CONCRETE (CO), PLASTIC (PL), OTHER (OT)

MAIN CASING TYPE ST, Nominal diameter top (main) casing 6, Total depth of main casing 21

OTHER CASING (if used) diameter, depth (feet)

screen type or open hole insert appropriate code below

SCREEN RECORD: STEEL (ST), BRASS (BR), OPEN HOLE (HO), PLASTIC (PL), OTHER (OT)

DEPTH (nearest ft.)

HO 19 600, SLOT SIZE 1, 2, 3, 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)

TELESCOPE CASING, LOG INDICATOR, OTHER DATA

C3

PUMPING TEST

HOURS PUMPED (nearest hour) 6

PUMPING RATE (gal. per min.) 1.3

METHOD USED TO MEASURE PUMPING RATE Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING 68 ft.

WHEN PUMPING 340 ft.

TYPE OF PUMP USED (for test)

Air (A), piston (P), turbine (T), centrifugal (C), rotary (R), other (O), jet (J), submersible (S)

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

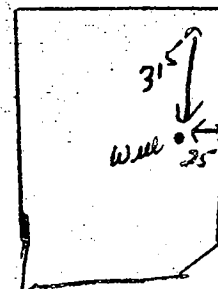
PUMP COLUMN LENGTH (nearest ft.) 43 47

CASING HEIGHT (circle appropriate box and enter casing height)

above (+), below (-), LAND SURFACE 2 (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)



NUMBER OF UNSUCCESSFUL WELLS 0

WELL HYDROFRACTURED YES (Y) NO (N)

CIRCLE APPROPRIATE LETTER

- A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED
E ELECTRIC LOG OBTAINED
P TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT...

DRILLERS LIC. NO. 1 MSD 24

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1 M D

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

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-3223
 Location of property (road) Lakeside Dr.
 Subdivision Brighton Lines Lot 23 Block _____ Plat _____ Sec. _____
 Well Driller Joseph Mayne Owner Highland Development

Depth of well 600'
 Distance of measuring point (M.P.) above ground 2'
 Static water level (S.W.L.) below M.P. 68'

I. High rate pumping -- reservoir drawdown

Time pump started 10:10 Pumping rate 20 gpm
 Total time 45 min to reach pumping water level 340 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)
10:25	184	3 sec		20 gpm
10:40	269	5		12
10:55	310	6		10
11:10	339	45		1.3
11:25	339	45		1.3
11:40	338	45		1.3
11:55	338	45		1.3
12:10	338	45		1.3
12:25	338	45		1.3
12:40	338	45		1.3
12:55	338	45		1.3
1:10	337	45		1.3
1:25	337	45		1.3
1:40	337	45		1.3
1:55	337	45		1.3
2:10	337	45		1.3
2:25	337	45		1.3
2:40	337	45		1.3
2:55	337	45		1.3
3:10	337	45		1.3
3:25	337	45		1.3
3:40	337	45		1.3
3:55	337	45		1.3
4:10	337	45		1.3
4:25	337	45		1.3
4:40	337	45		1.3
4:55	337	45		1.3
5:10	337	45		1.3

B 1 **8470** SEQUENCE NO. (MDE USE ONLY) STATE OF MARYLAND PERMIT TO DRILL WELL STATE PERMIT NUMBER **HO 94-3223**
 1 2 3 6 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
 W515968 please print or type fill in this form completely

Date Received (APA) _____
OWNER INFORMATION
 8 MM DD YY 13
 Highland Development
 15 Last Name Owner First Name 34
 P.O. Box 228
 36 Street or RFD 55
 Clarksville Md 21029
 57 Town 70 State 72 Zip 76

B 3 **LOCATION OF WELL**
 8 COUNTY **Howard** 21
 23 SUBDIVISION **Brighton Pines** 42
 SECTION _____ LOT **23**
 44 46 48 50
 52 NEAREST TOWN **Highland** 71
 MILES FROM TOWN (enter 0 if in town) **2 1/2** M I
 73 76 77 78

DRILLER INFORMATION
 Joseph E. Wayne MSD 24
 76 Driller's Name License No. 81
 Joseph E. Wayne well Drilling
 5572 Bridge Rd. Mt Airy Md 21771
 Address
 Joseph E. Wayne 7/30/2001
 Signature Date

B 4 **DIRECTION OF WELL FROM TOWN (CIRCLE BOX)**
 1 2
 Lakeside Dr. 30
 11 NEAR WHAT ROAD
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NORTH N
 WEST W EAST E
 SOUTH S
 34 25 37
 DISTANCE FROM ROAD FT
 ENTER FT OR MI 38 39
 TAX MAP: **34** BLK: _____ PARCEL **110**

B 2 **WELL INFORMATION**
 APPROX. PUMPING RATE **5**
 1 2 (GAL. PER MIN.) 8 12
 AVERAGE DAILY QUANTITY NEEDED **500**
 (GAL. PER DAY) 14 20

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

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
 Howard 513592 A08
 COUNTY NAME COUNTY NO
 STATE SIGNATURE INSERT S →
 DATE ISSUED **08/23/01** **08/23/02**
 43 MM DD YY 48 CO SIGNATURE EXP. DATE
 NORTH GRID **498** 0 0 0 EAST GRID **6803** 0 0 0
 50 55 57 63

APPROXIMATE DEPTH OF WELL **260** FEET
 24 28
 APPROXIMATE DIAMETER OF WELL **6** INCH
 NEAREST

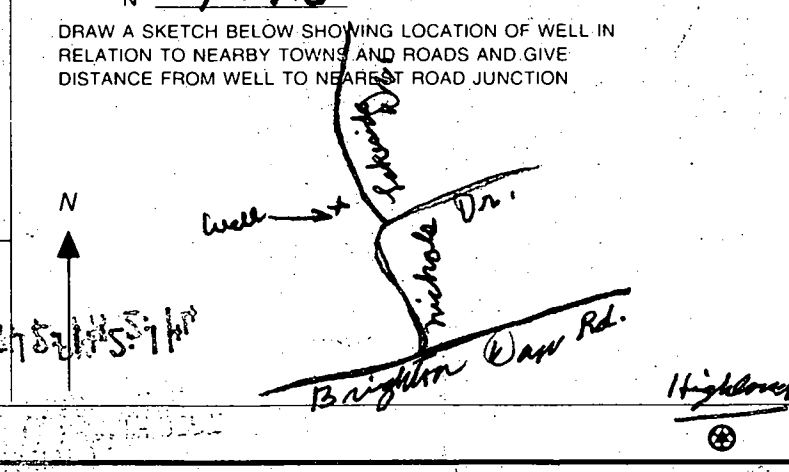
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
 SOURCES OF DRILLING WATER
 1. well
 2.
 3.
 WRITE THE BOX NUMBER FROM THE MAP HERE
 E **8043**
 N **4998**
 000
 000

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 DEEPEMED 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
 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 DEEPEM AN EXISTING WELL
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52

Not to be filled in by driller (MDE OR COUNTY USE ONLY)
 APPROX. PERMIT NUMBER **HO 94-3223**
 PERMIT No. **HO 94-3223**
 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS
 NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED.



N 34° 5' 18" E

300.97'

LOT 23

3.079 Ac±

TRANSCONTINENTAL GAS PIPE

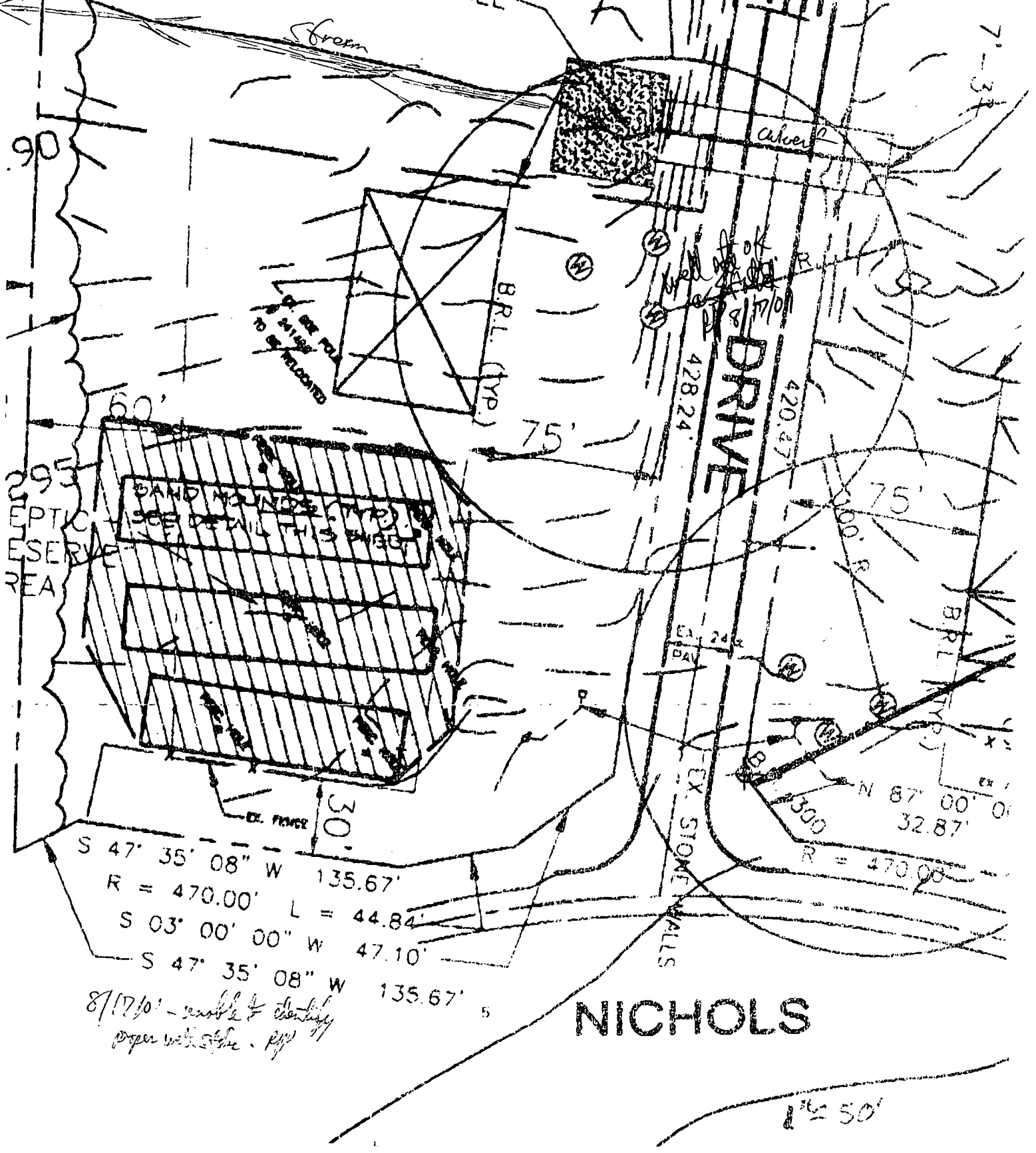
LINE CORP. R/W 601/228
(AS SHOWN ON PLAT F-85-32)

100 YEAR FLOOD PLAIN
AND DRAINAGE EASEMENT
(AS SHOWN ON PLAT F-85-32)
RIPRAP OUTFALL

N 49° 09' 42" W

LAKEVIEW DRIVE

E.A. LINDEN 11'-5" X 7'-3"
C.M.P.A. 112 GAGE



90

OPTIC
RESERVE
AREA

60'

B.R.L. (TYP.)

75'

DRIVE

428.24'

420.47'

75'

B.R.L. (TYP.)

EX. 246
DAY

300'

N 87° 00' 00"
32.87'

R = 470.00'

S 47° 35' 08" W 135.67'

R = 470.00' L = 44.84'

S 03° 00' 00" W 47.10'

S 47° 35' 08" W 135.67'

NICHOLS

1" = 50'

7/14/00
10:00

APPLICATION

PERCOLATION TESTING

A 513592-B

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH

3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

5/16/00
Existing lot of record
sand mound testings
(2 mound sites
per lot)

DISTRICT 5

DATE 5-16-00

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 Highland Development Corporation

ADDRESS PO Box 228, CLARKSVILLE MD 21029 PHONE 410-531-5539

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Brighton Pines LOT NO. 23

ROAD AND DESCRIPTION LAKESIDE DRIVE, KARL NICHOLS

TAX MAP 34 PARCEL lot 1

SIZE OF LOT 4 Acres ± TYPE BLDG. (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.

Michael A. Bennett
(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

COUNTY #

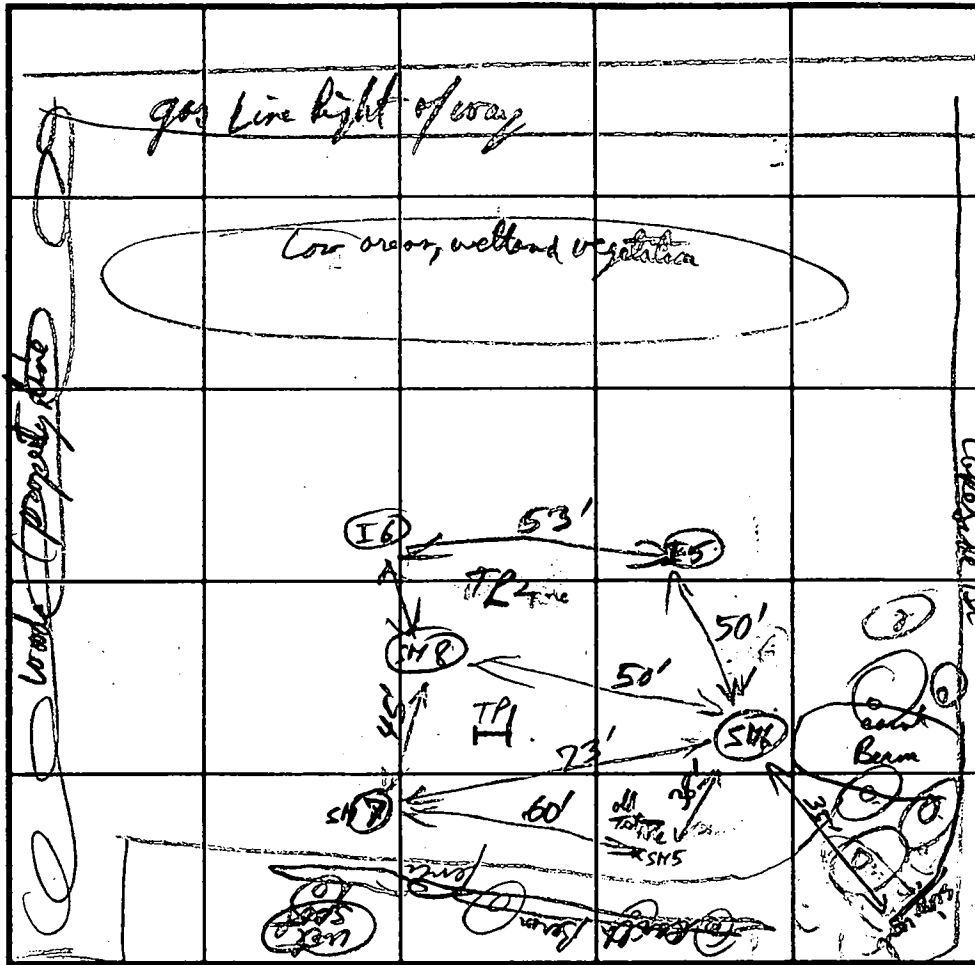
SOIL PROFILE

0'

Empty box for soil profile notes.

Empty box for soil profile notes.

Empty box for soil profile notes.



SOIL PROFILE

0'

Empty box for soil profile notes.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7/14/00	TP2 near I5						
	TP1 midway between I2 + I3						

REMARKS: Significant mottling @ 48" suspect highest water table @ 48"

TYPE OF SOIL: _____

TESTED BY: R. Parker ALSO PRESENT: Richard Smith, Jeff Albino (Backhoe)

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

TEST DATA

NAME <u>Highland Development Corp</u>	FILE NO <u>A 513592-B</u>
LOCATION <u>Brighton Pines Lot 23</u>	COUNTY <u>Howard</u>
<u>NW corner of Nichols & Lakeside Dr</u>	DATE <u>7/14/00</u>
RECORDED BY <u>R. P. Kelly</u>	GRID _____ E _____ N

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
(SM-6)	I2A	2'	11:46		7"	Sketch 7-11" of Red loam Fill on top of old "A" horizon - rest of profile see
			11:59		5 1/2"	
			12:08		4 7/16"	
			12:14		2"	
			12:27	13 mpi	6 5/8"	
			12:45	16 mpi	5 5/8"	
					4 1/2"	
					3" even	
					25 mpi	
					Prox	
(SM-6)	I2B	34-39"	11:45		7"	note box 7-11" of Red CL-Loam Fill
			11:58		6 3/16"	
			12:10		5 5/8"	
			12:25		4 7/8"	
			12:43	24 mpi	4 1/8"	
			12:46	28 mpi	7"	
			1:14		6" even	
					Prox	
(SM-6)	I3	20-24"	11:38		7"	int yellow silty-cl
			11:50		6 5/8"	
			12:07		6 1/4"	
			12:24		5 15/16"	
			12:42	10/16 in 41"	5 5/8"	
			1:05	67 mpi	5 5/16"	
					up slope - ok	

TEST DATA

NAME _____	FILE NO <u>AG13592B</u>
LOCATION <u>Brighton Park lot 23</u>	COUNTY <u>Howard</u>
<u>NW corner of Nichols + Lakeside Dr</u>	DATE <u>7/19/00</u>
RECORDED BY <u>R. Bally</u>	GRID _____

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
(SM-8)	I4	22"-26"	11:31:45		7"	
			11:47		5 7/8"	
			12:06		5 1/6"	
			12:11		4 3/16"	
			12:12		7"	
			12:25		6 1/2"	
			12:43		5 7/8"	
			1:08	~ 50 psi	5 0/8"	
1:29	1" in 46 min	4 7/8"				
					<u>psor</u>	
	I5	26-24"	1:22		7"	wet around base extensive wetting pattern of soil around base by last reading <u>Note</u> * May not be properly preserved long enough here (cut 4 1/2" from cylinder on all sides)
			2:32		5 5/16"	
			2:34	1 1/2" in 52 min	7"	
			3:26	~ 35 psi	5 1/2"	
			3:53	7/16" in 27 min ~ 60 psi	5 1/6"	
	I6	19-23"	1:28		7"	
			2:35		5 5/8"	
			2:36	1 1/4" in 48 min	7"	
			3:24	~ 40 psi	5 3/4"	
			3:56	~ 3/4" in 32 min ~ 44 psi	4 5/16"	

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

A 33537

P _____

DISTRICT 5

DATE 1-30-84

PTO

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER ANNA MacCarthy

ADDRESS 4100 Cathedral Ave DC 20016 PHONE 202-363-2725

PROPERTY LOCATION: BALGHTON PINES I 23 NON-BUILDABC

SUBDIVISION ~~Propper Prop~~ LOT NO. ~~48~~

ROAD AND DESCRIPTION Nichols Dr.

SIZE OF LOT 3A TYPE BLDG. SFD
(NUMBER OF BEDROOMS)

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.

Richard J. Bennett 445-0842
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY C. Williams FOR ANY DATE 3-9-84

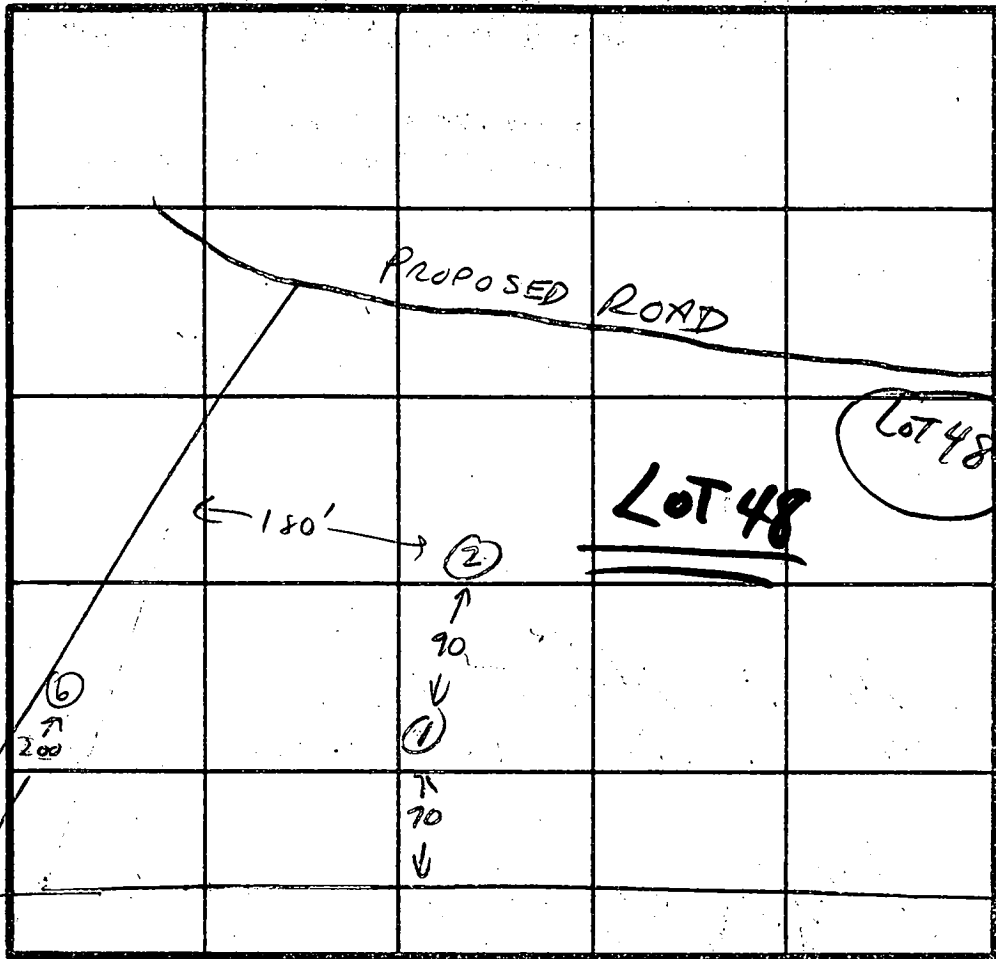
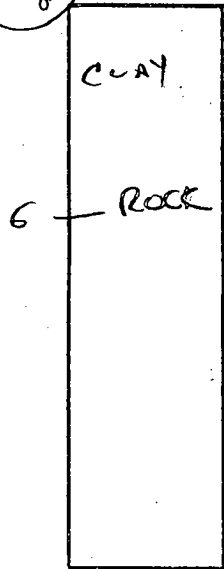
HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING NO SUITABLE GROUND (CLAY-ROCK-WATER) AS LOT IS PRESENTLY LAID OUT. CW 4-17-85 PERC. UNSATISFACTORY, WATER & CLAY RESTRICTIONS; INSUFFICIENT AREA REMAINING TO TEST, SABEL

THIS IS NOT A PERMIT

1+2
0

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

6



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
3-9-84	1	6	CLAY	ROCK			X	
3-9-84	2	6	CLAY	ROCK			X	
3-8-84	6	TESTED FOR USE ON LOT 48 - FAILED - WATER & CLAY						

REMARKS LOT NOT USABLE AS PRESENTLY Laid OUT

TYPE OF SOIL CLAY - ROCK - WATER

TESTED BY C Williams ALSO PRESENT DEMI

EH-12-1079

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

A 33537

P _____

DISTRICT 5

DATE 1-30-84

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER ANNA MacCarthy
ADDRESS 4100 Cathedral Ave DC 20016 PHONE 202-363-2725

PROPERTY LOCATION:
SUBDIVISION Puppert Prop LOT NO. 48
ROAD AND DESCRIPTION Nichols Dr.

SIZE OF LOT 3A TYPE BLDG. SED
(NUMBER OF BEDROOMS)

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.

Richard J. Hammit 415-0842
(SIGNATURE OF APPLICANT)

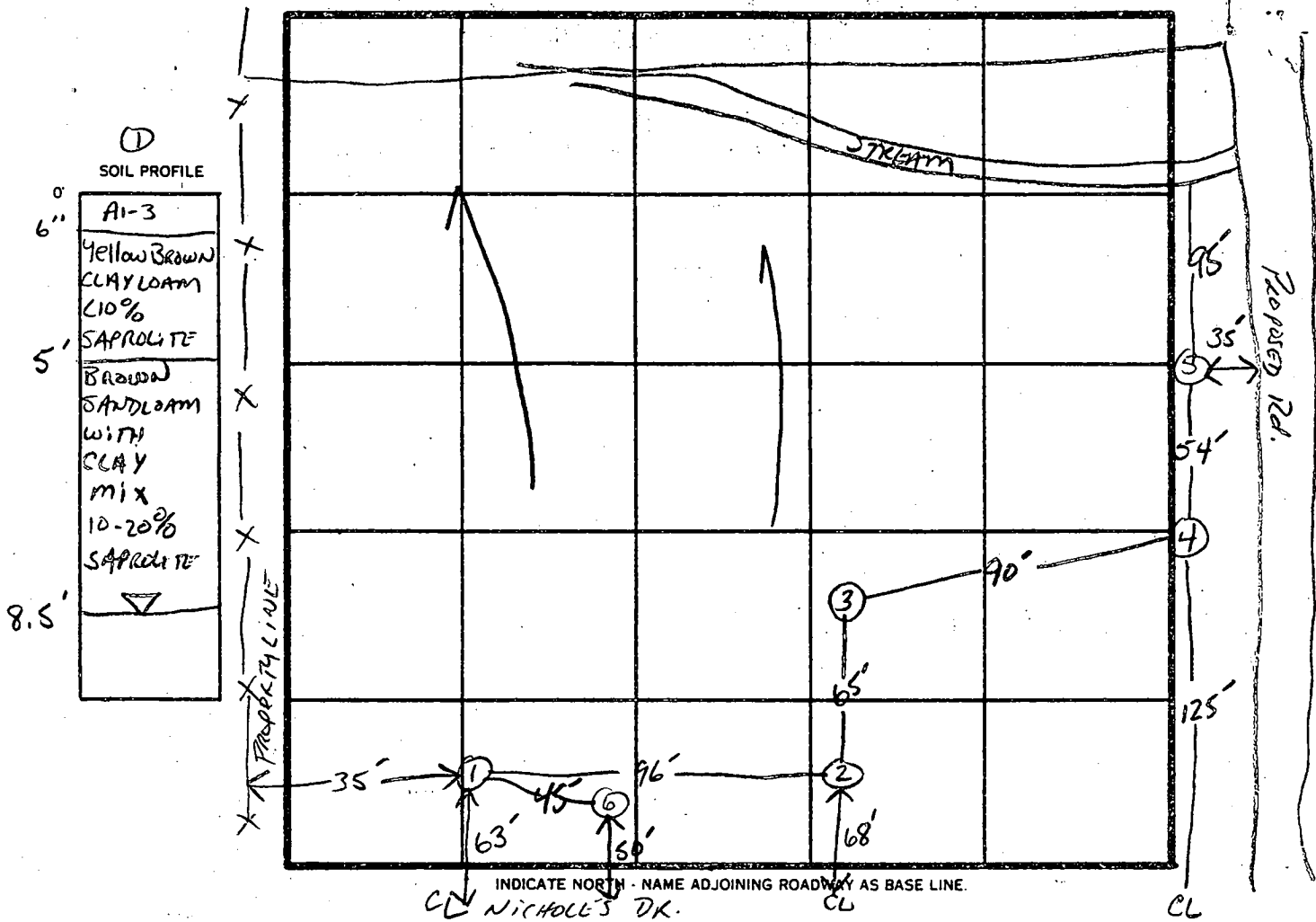
APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/19	1V	WATER AT 7' CLAY TO 6'					
	2S	5'	11:28	11:53	11:53		
	2V	WATER AT 8.5' CLAY TO 5'					
	3V						
	4V	WATER AT 5' CLAY TO 5'					
	5V	WATER AT 5.5' CLAY TO 4.5'					
	6V	WATER AT 7' CLAY TO 4.5'					

REMARKS _____

TYPE OF SOIL _____

TESTED BY _____ ALSO PRESENT _____

EH-12-1079

STATE DEPARTMENT OF HEALTH AND MENTAL HYGIENE.
 SUBJECT PROPERTY ZONED "R" PER 10/3/77 COMPREHENSIVE
 ZONING PLAN.
 PERCOLATION AREAS AND WATER WELLS FOR ADJOINING LOTS
 WILL BE SHOWN WHERE PERTINENT.

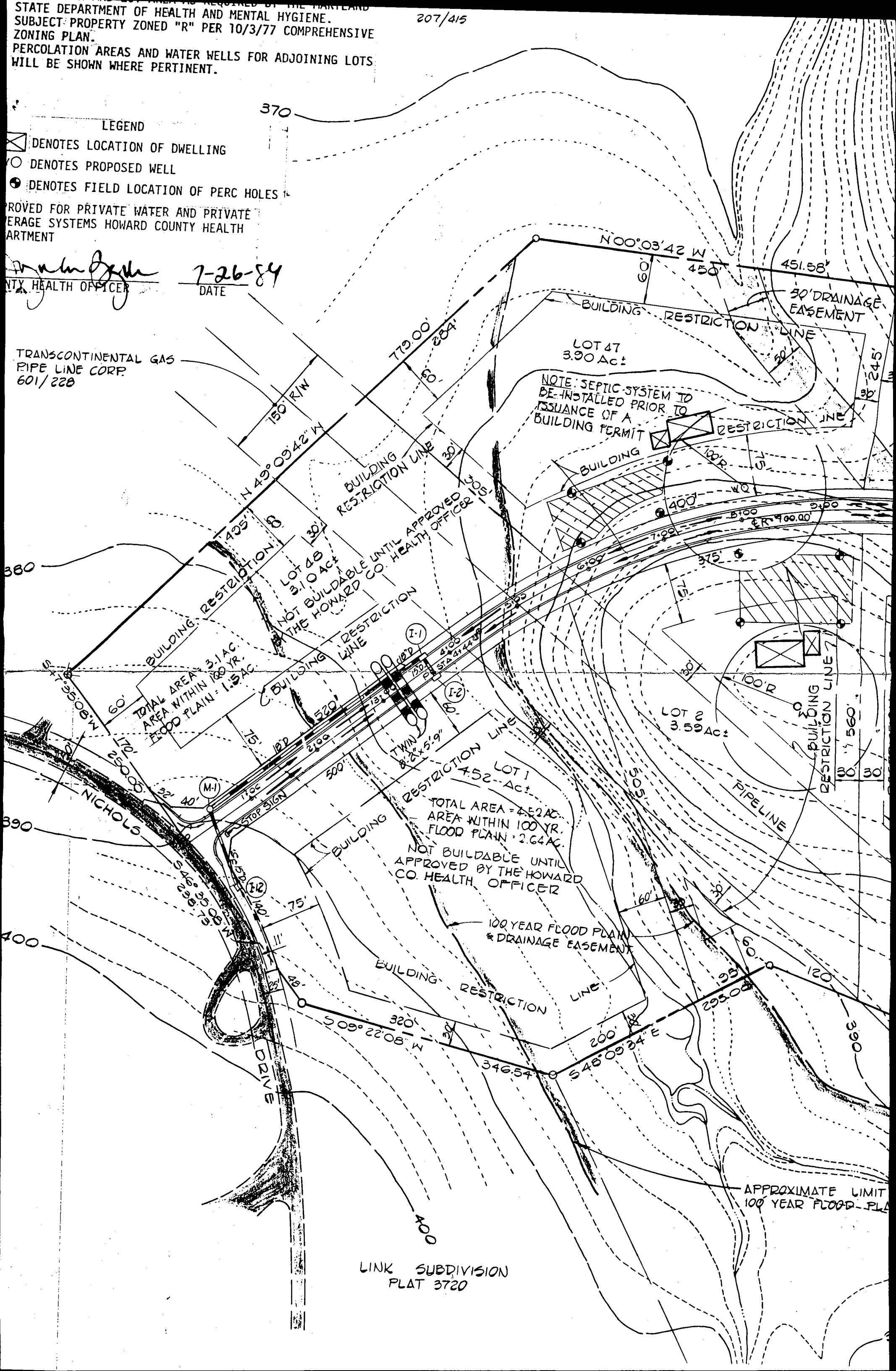
207/415

- LEGEND
- ☒ DENOTES LOCATION OF DWELLING
 - DENOTES PROPOSED WELL
 - DENOTES FIELD LOCATION OF PERC HOLES

APPROVED FOR PRIVATE WATER AND PRIVATE
 SEWERAGE SYSTEMS HOWARD COUNTY HEALTH
 DEPARTMENT

Howard County Health Officer
 COUNTY HEALTH OFFICER
 DATE 7-26-84

TRANSCONTINENTAL GAS
 PIPE LINE CORP.
 601/228



LINK SUBDIVISION
 PLAT 3720

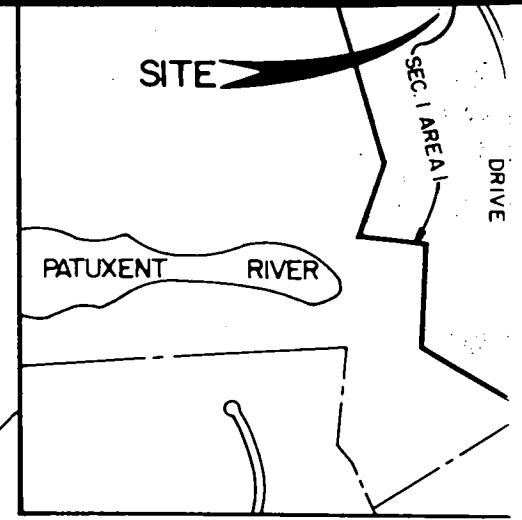
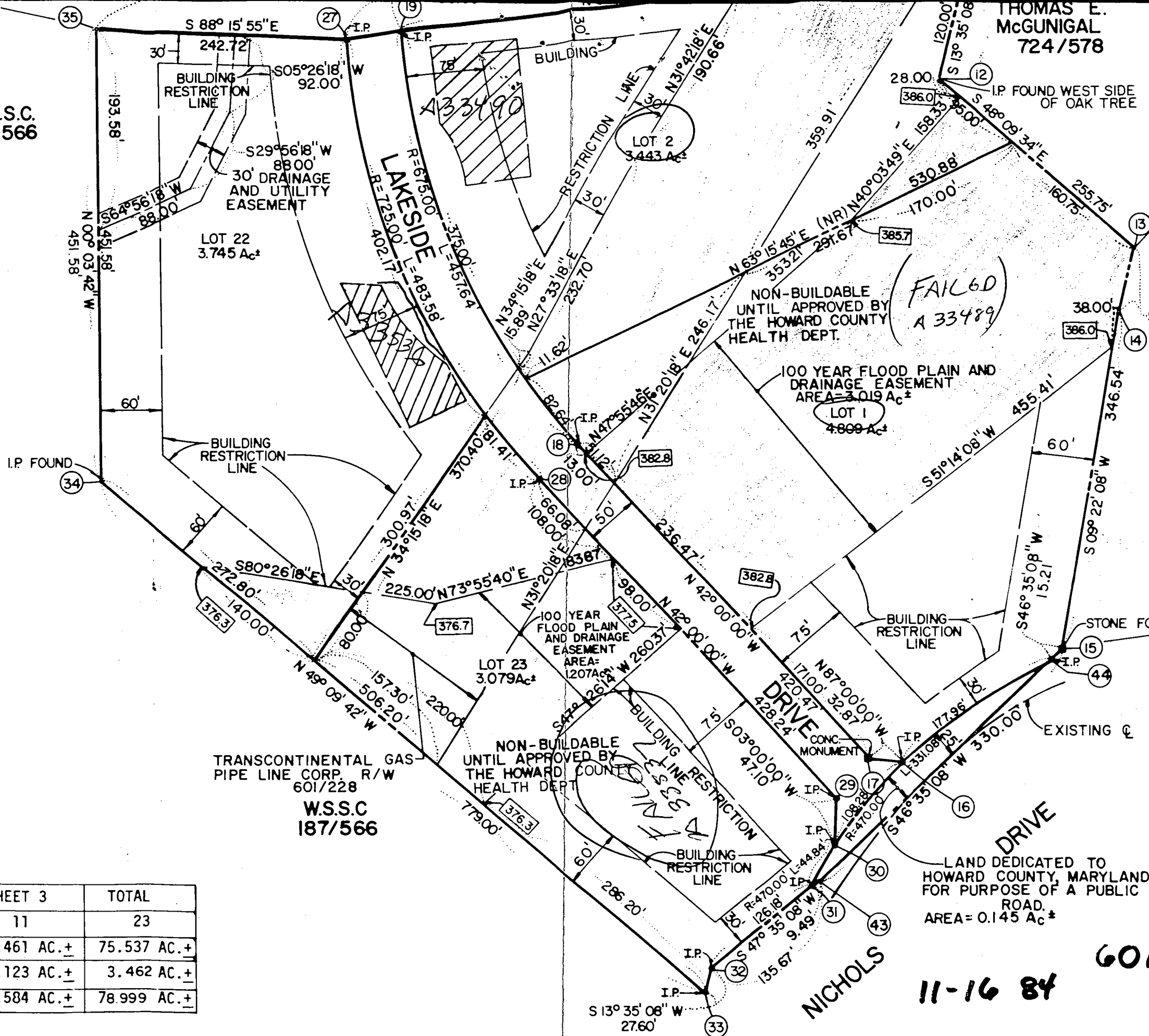
APPROXIMATE LIMIT
 100 YEAR FLOOD PLAIN

55.80	802096.10
360.25	802070.68
324.01	802345.63
170.01	802385.44
353.60	801828.93
342.25	801719.52
309.95	803043.08
526.29	803271.74

W.S.S.C.
187/566

N 499,000

N 498,500



VICINITY
SCALE

NOTES:

1. THIS A SEWAGE FEET A STATE MENTAL SEWAGE NATURE UNTIL THESE AND VC OFFICE GRANT INTO T RECORD EASEME THE LC THE MI AREA A STATE MENTAL SUBJEC 10/3/7 4. THE CC BASED SYSTEM THIS F FOR FL COLLEC MAINTEN JUNCTI THE RC OR PII 415.0 OF 100 THE CC BASED STATI STA: 2: STA: 2: I.P. DE
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.

CLIFTON C. LINK PROPERTY
LOT 1
PLAT 3720

N 498,500 E 803,500

TRANSCONTINENTAL GAS PIPE LINE CORP. R/W
601/228

W.S.S.C.
187/566

LAND DEDICATED TO HOWARD COUNTY, MARYLAND FOR PURPOSE OF A PUBLIC ROAD.
AREA = 0.145 AC ±

11-16 84 6010

OWNER AND DEVELOPER
HIGHLAND DEVELOPMENT CORPORATION
9966 ROUTE 99
ELICOTT CITY, MARYLAND, 21043

SHEET 1	SHEET 2	SHEET 3	TOTAL
4	8	11	23
15.077 AC. ±	24.999 AC. ±	35.461 AC. ±	75.537 AC. ±
1.216 AC. ±	1.123 AC. ±	1.123 AC. ±	3.462 AC. ±
16.293 AC. ±	26.122 AC. ±	36.584 AC. ±	78.999 AC. ±

ARTER, INC.
EYORS

7/14/00
10:00

APPLICATION

PERCOLATION TESTING

A 513592-A

P _____

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

5/16/00
2 existing lots
of records
sand mound
testing
(2 mound sites per lot)

DISTRICT 5
DATE 5-16-00

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 HIGHLAND Development Corporation

ADDRESS PO Box 228 CLARKSVILLE MD PHONE 410-531-5539
21029

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION BRIGHTON PINES LOT NO. 23

ROAD AND DESCRIPTION LAKEside Drive And Nichols

TAX MAP 34 PARCEL # lot 23

SIZE OF LOT 3 ACRES ± TYPE BLDG. _____
(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.

APPROVED BY [Signature] FOR _____ DATE _____
for discuss to Zack - 1 H.S.M. on lot 23 OK - old 84-85 water table for sand No nothing tested 40" suggest this OK P.P. 10/25/00

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

HOWARD COUNTY HEALTH DEPARTMENT

JOYCE M. BOYD, M.D., M.P.H.
COUNTY HEALTH OFFICER



Bureau of Environmental Health
3525 Ellcott Mills Drive
Ellcott City, Maryland 21043

Director - 461-9956
Water & Sewerage, Permits - 461-9933
Community Environmental Health - 461-9944
Technical Services - 461-9955

April 30, 1985

Mr. Richard Demmitt
13690 Nichols Drive
Clarksville, Maryland 21029

RE: Percolation Testing
Lots 1 & 23
Brighton Pines, Section 1

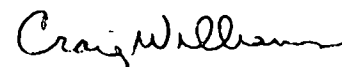
Dear Mr. Demmitt:

Percolation testing completed on the above referenced property March 19, 1985 by Sidney Abel and myself revealed unsatisfactory soil conditions across both lots. A heavy clay layer extends into the water table that is 5' - 7' from the surface.

Both lots are to be considered non-buildable until public sewer becomes available.

If you have any questions regarding this matter, please feel free to contact me at the above address or by calling 461-9933.

Very truly yours,



Craig Williams, Acting Director
Water and Sewerage Program

CW:JR

G-8935

DEPARTMENT OF INSPECTION, LICENSES AND PERMITS
HOWARD COUNTY
ELICOTT CITY, MD 21043
PERMITS 111 703-3000 INSPECTIONS 410-370-8700
AUTOCARTED INFORMATION LINE 313-0800

HOWARD COUNTY PERMIT APPLICATION

PERMIT NUMBER
B00148778 *JAB*

Building Address 13701 Lakeside Drive
Charmville MD 21029
Suite/Apt. #: N/A SDP/WP/Petition #: 0298
Census Tract 605101 Subdivision BRIARWOOD PINES
Section 1 Area 1 Lot 23
Tax Map 34 Parcel MS 396 Grid 7
Zoning R10 Map Coordinates 11 3 Lot size 3.079

Property Owner's Name DOUGLAS HOMES INC
Address P.O. Box 628
City ELICOTT CITY State MD Zip Code 21043
Home Phone: _____ Work Phone 410-750-0522
Applicant's Name & Mailing Address, (if other than stated hereon): _____
Phone _____ Fax _____

Existing Use VACANT LOT
Proposed Use SPD
Estimated Construction Cost \$ 300,000
Description of Work NEW HOME WARWICK II
2 story, full basement, 11 R, 3FB, 1 HB, 1P
+ GARAGE (4DR)

Contractor Company SAVE
Contact Person _____
Address _____
City _____ State _____ Zip Code _____
License No. 327 Phone _____ Fax _____

Occupant or Tenant N/A
Contact Name _____
Address _____
City _____ State _____ Zip Code _____
Phone _____ Fax _____

Engineer or Architect Company DW Taylor
Contact Person Mike Hannill
Address 5024 Dwyer Hall Drive
City ELICOTT CITY State MD Zip Code 21042
Phone 410-489-1131 Fax _____

BUILDING DESCRIPTION - COMMERCIAL

Building Characteristics	Utilities
Height: _____	Water Supply: _____ Public _____ Private _____
No. of stories: _____	Sewage Disposal: _____ Public _____ Private _____
Gross area, sq. ft. per floor: _____	Electric Yes <input type="checkbox"/> No <input type="checkbox"/>
Use group: _____	Gas Yes <input type="checkbox"/> No <input type="checkbox"/>
Construction type: _____ Reinforced Concrete _____ Structural Steel _____ Masonry _____ Wood frame _____	Heating System: _____ Electric <input type="checkbox"/> Oil <input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas <input type="checkbox"/>
State Certified Modular _____	Sprinkler system: <u>N/A</u> <input type="checkbox"/> Full _____ Partial _____ Other Suppression _____ # of Heads _____

BUILDING DESCRIPTION - RESIDENTIAL

Building Characteristics	Utilities
SF Dwelling <input checked="" type="checkbox"/> SF Townhouse <input type="checkbox"/>	Water Supply: _____ Public _____ Private _____
1st floor: <u>56</u> Depth <u>61</u> Width <u>61</u>	Sewage Disposal: _____ Public _____ Private _____
2nd floor: <u>52</u>	Electric Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Basement: <u>56</u> Width <u>61</u>	Gas Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Finished Basement <input type="checkbox"/> Unfinished Basement <input type="checkbox"/>	Heating System: _____ Electric <input type="checkbox"/> Oil <input type="checkbox"/>
Crawl space <input type="checkbox"/> Slab on Grade <input type="checkbox"/>	Natural Gas <input type="checkbox"/>
No. of Bedrooms: <u>4</u>	Propane Gas <input checked="" type="checkbox"/>
Multi-family dwellings: _____	Sprinkler system: <u>N/A</u> <input checked="" type="checkbox"/>
No. of efficiency units: _____	NFPA #13D _____
No. of 1 BR units: _____	NFPA #13R _____
No. of 2 BR units: _____	Other: _____
No. of 3 BR units: _____	
Other Structure: _____	
Dimensions: _____	
Footings: _____	
Roof: _____	
State Certified Modular _____	
Manufactured Home _____	

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE TO THIS PROJECT; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE DESCRIBED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THE PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Applicant's Signature [Signature]
Title/Company Project Manager

Print Name DANA D BORN
Date 6-9-04

Checks payable to: **DIRECTOR OF FINANCE OF HOWARD COUNTY**
**** PLEASE WRITE NEATLY AND LEGIBLY ****
FOR OFFICE USE ONLY

AGENCY: Land Development, DPZ DATE: 6/30/04 SIGNATURE APPROVAL: [Signature]

Is Sediment Control approval required prior to issuance?
YES NO

CONVENIENCE CONSTRUCTION START:
ONE STOP SHOP:

DPZ SETBACK INFORMATION

Front: _____
Rear: _____
Side: _____
Side St: _____
All minimum setbacks met? YES NO

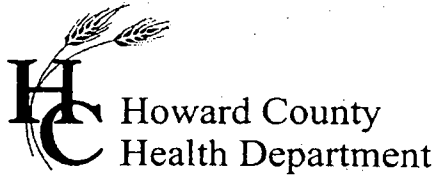
Is Entrance Permit required?
YES NO

Historic District? YES NO

Lot Coverage for NewTown Zone _____
SDP/Red-line approval date _____

PROPERTY ID: 50857
Filing Fee \$ 100
Permit fee \$ _____
Excise tax \$ _____
Add'l per. fee \$ _____
TOTAL FEES \$ _____
Sub-total paid \$ _____
Balance due \$ _____
Check # 26040
Validation # 47934

Accepted by [Signature]



3525 H Ellicott Mills Drive, Ellicott City, MD 21043
(410) 313-1771 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

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

January 27, 2005

Douglas Homes, Inc.
P.O. Box 628
Ellicott City, MD 21043

SENT VIA FACSIMILE 240-568-0368

RE: Brighton Pines, Lot 23
13701 Lakeside Drive
Clarksville, MD 21029
BP #: B00148778
Well Permit # HO-94-3223

Dear Sirs:

This is to advise you that the septic system for the above referenced property has been installed and inspected. **Final approval of the septic system was granted on 12/23/2004. Final approval of the well line connection to the dwelling was approved on 01/26/2005.**

The water sample results indicate that the water samples submitted for testing were free of coliform and fecal coliform bacteria at the time of sampling and are bacteriologically safe for drinking. The water sample results were found to be in compliance with COMAR water quality standards.

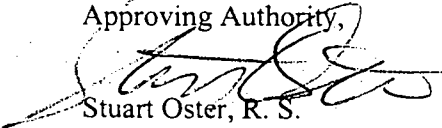
INTERIM CERTIFICATE OF POTABILITY

This certifies that the initial sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under well permit #HO-94-3223. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies. Based upon satisfactory investigation and evaluation, the Howard County Health Department as authorized by the Maryland Department of the Environment accepts this well system as required by COMAR 26.04.04.

This certificate may become final upon completion of the second bacteriological test, which is to be taken by the county health department within six months of receipt of this letter. **Please contact (410) 313-1773 to schedule a final water sample appointment. Currently, there is no charge for this final sampling.**

Date of Water Sample(s): 12/29/2004, 01/13/2005 & 01/26/2005
Date of Well Completion: 08/20/2001

Approving Authority,


Stuart Oster, R. S.
Well & Septic Program

cc: Building Inspector's Office
Community Health Services
File