

12/11/00
1:00

INDEXED

PERMIT
SEWAGE DISPOSAL SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
410-313-2640

P 514697

A 58947-G

ISSUE DATE 12/7/2000

APPROVAL DATE 12/11/00

04-364929

Union Paving Company, Inc. IS PERMITTED TO INSTALL X ALTER

ADDRESS 5977 Sandy Ridge Road, Elkridge, MD 21075 PHONE 410-379-6463

SUBDIVISION Windridge Farm LOT NUMBER 7 ADDRESS 3850 Shady Lane

PROPERTY OWNER Hamilton Reed PROPERTY OWNER'S ADDRESS 8000 Main Street

SEPTIC TANK CAPACITY 1000 GALLONS Ellicott City, MD 21043

PUMP CHAMBER CAPACITY N/A GALLONS

NUMBER OF BEDROOMS 3

SQUARE FEET PER BEDROOM 180

LINEAR FEET OF TRENCH REQUIRED 180

TRENCHES: Trenches to be 3.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 5.0 feet below original grade. 2.0 feet of stone below distribution box.

LOCATION: Begin trenches 110 feet off the front lot line and 210 feet off the right lot line as seen when facing the lot from Shady Lane. Run trenches on contour in both directions. 9/14/00 J.K. (BB)

PLANS APPROVED Craig Williams DATE 8/1/00

PERMIT VOID AFTER 2 YEARS

NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS

NOTE: TOP OF SEPTIC TANKS ARE TO BE NO DEEPER THAN 3.0 FEET BELOW FINISH GRADE

NOTE: WATERTIGHT SEPTIC TANKS REQUIRED

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS, 90° ELBOWS ARE NOT ACCEPTABLE

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX, DRAINFIELDS) TO BE 100 FEET FROM ANY WATER WELL UNLESS OTHERWISE SPECIFICALLY AUTHORIZED

NOTE: NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH UNLESS SPECIFICALLY AUTHORIZED

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

NOTE: IF PUMPED SEPTIC SYSTEM REQUIRED, (1) SEPTIC PUMP DETAIL TO BE PROVIDED BY INSTALLER PRIOR TO ISSUANCE OF SEPTIC PERMIT (2) PUMP PERFORMANCE TEST IS NECESSARY PRIOR TO HEALTH DEPARTMENT APPROVAL OF SEPTIC PERMIT

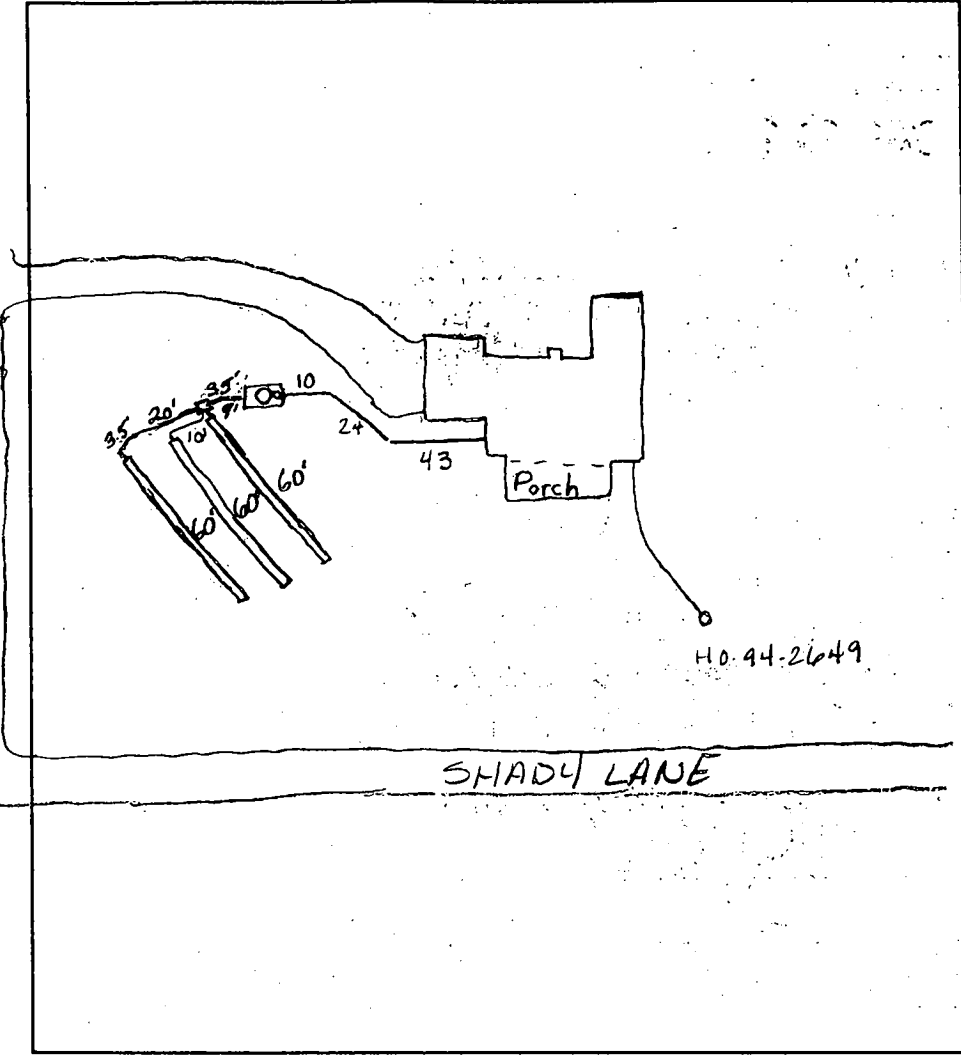
NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM

PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

58947-G

NOT TO SCALE



TRENCH DATA

TRENCH WIDTH 3.0'
 TRENCH INLET DEPTH 3.0'
 TRENCH BOTTOM DEPTH 5.0'
 DEPTH OF STONE 2.0
 NUMBER OF TRENCHES 3
 TOTAL TRENCH LENGTH 180'
 ABSORBENT AREA 540 sq. ft.
 DISTRIBUTION BOX LEVEL OK
 BAFFLE IN DISTRIBUTION BOX Yes

SEPTIC TANK DATA

SEPTIC TANK 1,000 GALLONS
 MANHOLE RISER Yes
 6 INCH INSPECTION PORT Yes
~~PUMP CHAMBER DATA N/A~~
~~PUMP CHAMBER GALLONS _____~~
~~MANHOLE RISER _____~~
~~ALARM _____~~
~~PUMP PERFORMANCE TEST _____~~

PRE-CONSTRUCTION INSPECTION: 12/8/00 Pre const. OK - OK to continue all

INSPECTION COMMENTS: 12/11/00 System satisfactory O.K. to cover. (BB)

INSPECTOR B. Baker DATE SYSTEM APPROVED 12/11/00

**HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WATER AND SEWERAGE PROGRAM
TEL: (410)313-2640 FAX: (410)313-2648**

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.

Company Name: CLARKE P+H Inc Telephone #: 410-489-4029
Address: 3510 Ridge Rd
Westminster, MD 21157

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:
Name (Print): Ben Clarke License# 3808

*A licensed individual must perform the actual installation. Apprentices must be under the direct supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification.

Name of Property Owner: Hamilton Reed Telephone #: 410-480-9196
Subdivision: Windridge Farm Lot #: 7 Well Tag #: HO-94-2649
Site Address: 3850 Shady Lane

Submersible Pump Data	Pitless Adapter	Well Cap and Electric Conduit
Make: <u>JACUZZI</u>	Make: _____	Two piece watertight cap: <input checked="" type="checkbox"/>
Model #: _____	Model#: <u>P-7-800</u>	Screened, vented well cap: _____
Pump Capacity <u>7</u> GPM	Depth: <u>42</u> (36" min)	Cap secured to casing: _____
Well Yield: <u>15</u> GPM	NSF approved: _____	Conduit min 18" B.G.: <input checked="" type="checkbox"/>
Depth of well encountered at time of pump installation: _____ (feet)		Conduit secured to well cap: <input checked="" type="checkbox"/>

If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.3.4
Torque arrestors or Cable guards are required - Must circle one
Safety rope, if used, attached to inside of well casing with eye bolt _____

Piping to house	House Connection
Type: <u>Plastic</u>	PVC sleeved to undisturbed soil at wall penetration: _____
PSI: <input checked="" type="checkbox"/> (160 psi min)	Approximate length of sleeve: _____
Depth of supply line: <input checked="" type="checkbox"/> (36" min)	Sleeve caulked and sealed properly: _____

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

Signature of company representative responsible for installation: Ben Clarke date: NOV 1-00

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

Date Insp. Requested: 11/8/00 Date Insp. Approved: 11/8/00
Inspection Data: Pitless adapter and water supply line at least 36" below grade _____
Two piece cap installed and attached to casing securely _____
Elec. conduit extends at least 18" below grade/attached to cap properly _____
Safety rope installed inside of well casing _____
Correct well tag attached properly and casing 8" above finished grade _____
Water supply line sleeved adequately at house connection _____
Adequate grout observed below pitless adapter _____

*OK
AW*

APPLICATION

PERCOLATION TESTING

A 58947BB

P _____

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

DISTRICT 04

DATE _____

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 Ray & Jane Cabbage

ADDRESS 14504 Dorsey Mill Rd Glenelg MD PHONE 410-489-7017

AGENT OR PROSPECTIVE BUYER Susquehanna LAND Holding Co.

ADDRESS 1814 Hyman Ln Crofton MD PHONE 410-451-3910
21114

PROPERTY LOCATION:

SUBDIVISION Cabbage Sub LOT NO. 28 (24)

ROAD AND DESCRIPTION _____

TAX MAP 21 PARCEL # 31

SIZE OF LOT 1± Ac. TYPE BLDG. SFD
(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

58947BB
COUNTY #

SOIL PROFILE

0'
or/br
Clay
1m
tan/pink
Silty/
Sand
1m
10%
shale
frags

4

or/br
Clay
1m

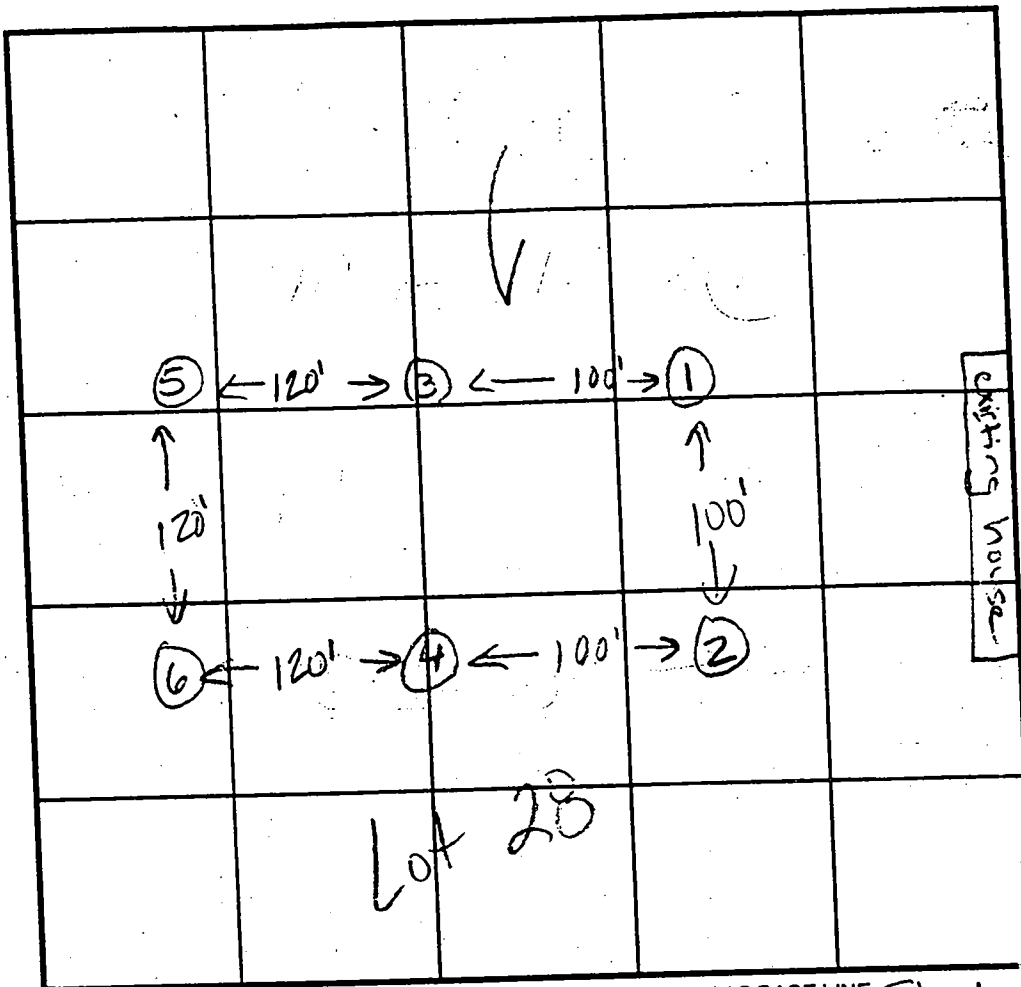
1/4 tan/
pink
Silty
Sand
loam
20%
shale
frags

5

or/br
Clay
1m

1/4 tan/or
Silty
Sand
1m
20%
shale
frags

11.5'



SOIL PROFILE

0'
1'
2'
3'
4'
5'
6'
7'
8'
9'
10'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE. Shady Lane

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
10/14/97	1	2.5'S	1:09	1:11	1:11	1:13	2min	
		11.0' D	visual ok - see profile					
	2	3.0'S	1:16	1:19	1:17	1:21	4min	
		Visual	ok - same as hole #1					
	3	2.5'S	1:27	1:29	1:29	1:32	3min	
		Visual	ok - same as hole #4					
	4	2.5'S	1:2040	1:2220	1:2220	1:25	2:40	
		12.0' D	visual ok - see profile					
	5	3.0'S	1:37	1:40	1:40	1:43	3min	
		Visual	ok - see profile					

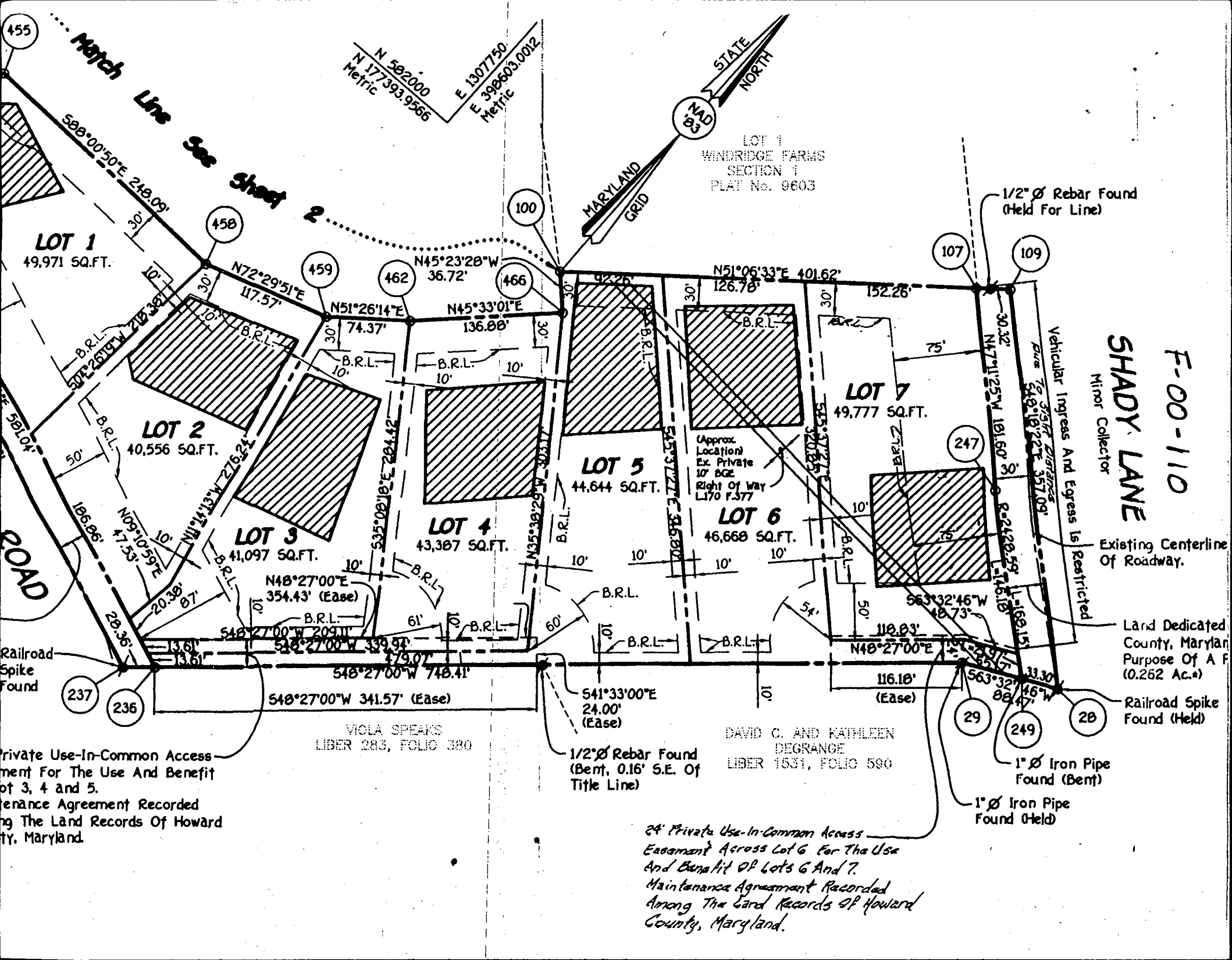
REMARKS 6 visual ok - same as hole #5

TYPE OF SOIL min. 1/4 in. 1/4 in. Williams

TESTED BY Ken H. White, 11/10/97 Williams ALSO PRESENT Hess + Jeff

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 3 minutes TRENCH WIDTH 3

INLET DEPTH 3 MAXIMUM BOTTOM DEPTH 5 SQ. FT./BEDROOM 180



455
 Match Line See Sheet 2
 598°00'50"E 248.09'

N 58°20'00"
 N 177393.9566
 Metric
 E 1307750
 E 398603.0012
 Metric

STATE NORTH
 MARYLAND GRID
 NAD 83

LOT 1
 WINDRIDGE FARMS
 SECTION 1
 PLAT No. 0603

LOT 1
 49,971 SQ.FT.

458
 N72°29'51"E 117.57'
 30'
 10'
 B.R.L.

459
 N45°23'28"W 36.72'
 462
 N51°26'14"E 74.37'
 30'
 10'
 B.R.L.

466
 N45°33'01"E 136.00'
 30'
 10'
 B.R.L.

LOT 5
 44,644 SQ.FT.
 92.25'
 30'
 10'
 B.R.L.

LOT 7
 49,777 SQ.FT.
 N51°06'33"E 401.62'
 126.78'
 152.26'
 30'
 10'
 B.R.L.

1/2" Ø Rebar Found (Held For Line)

LOT 2
 40,556 SQ.FT.

LOT 3
 41,097 SQ.FT.

LOT 4
 43,367 SQ.FT.

(Approx. Location)
 Ex Private
 10' BGE
 Right of Way
 L170 R.377

LOT 6
 46,668 SQ.FT.

SHADY LANE
 Minor Collector
 Vehicular Ingress And Egress Is Restricted
 Due To 358 FT DISTANCE
 548°18'22"E 357.09'

F-00-110

ROAD

Existing Centerline Of Roadway.

Land Dedicated County, Maryland Purpose Of A P (0.262 Ac.)

Railroad Spike Found (Held)

Railroad Spike Found
 237
 236
 Private Use-In-Common Access
 For The Use And Benefit
 of 3, 4 and 5.
 Maintenance Agreement Recorded
 Among The Land Records Of Howard
 County, Maryland.

VIOLA SPEAKS
 LIBER 283, FOLIO 380

1/2" Ø Rebar Found (Bent, 0.16' S.E. Of Title Line)

DAVID C. AND KATHLEEN
 DEGRANGE
 LIBER 1531, FOLIO 590

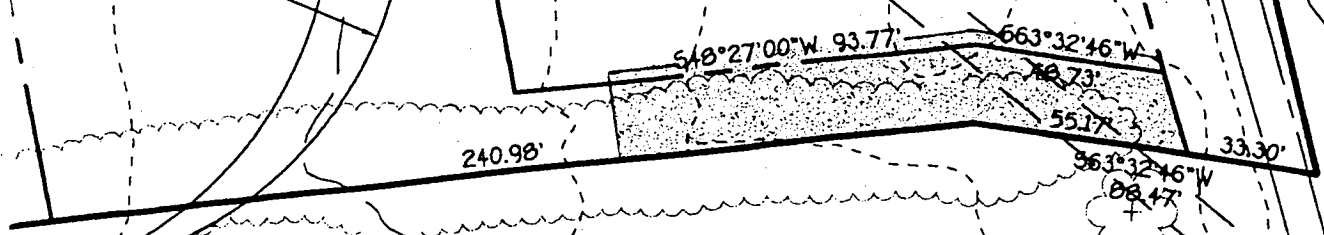
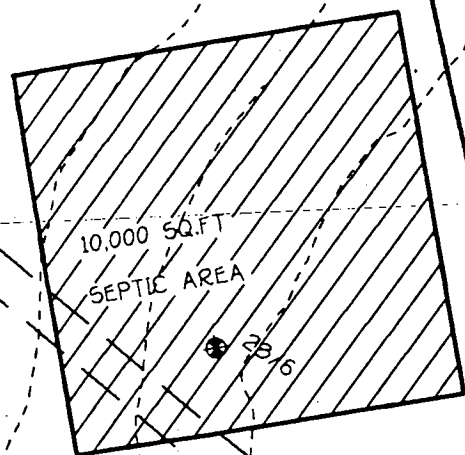
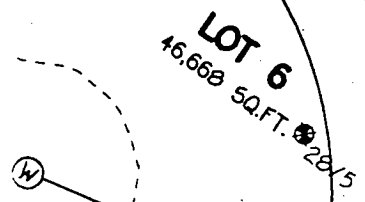
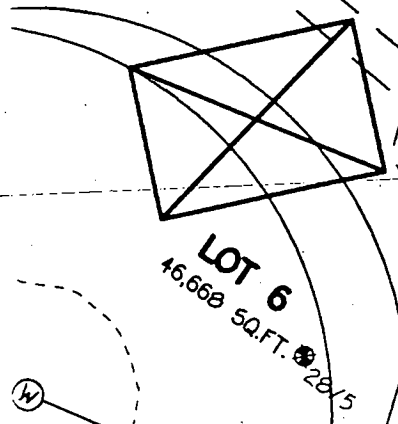
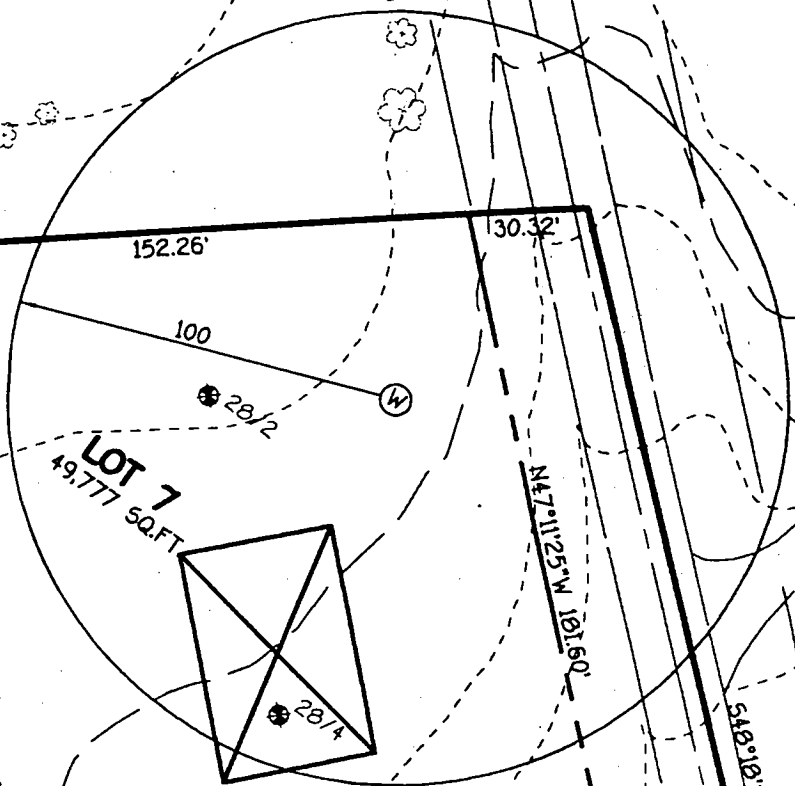
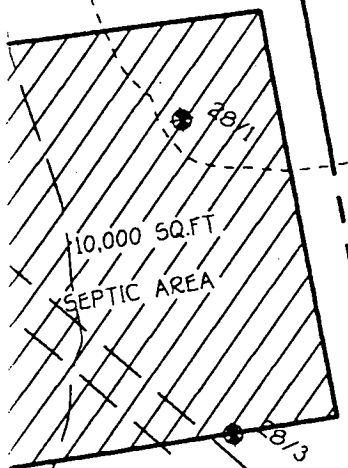
1" Ø Iron Pipe Found (Bent)

1" Ø Iron Pipe Found (Held)

24' Private Use-In-Common Access
 Easement Across Lot 6 For The Use
 And Benefit Of Lots 6 And 7.
 Maintenance Agreement Recorded
 Among The Land Records Of Howard
 County, Maryland.

WINDRIDGE FARM
SECTION 1
PLAT No. 9603

551°06'33"W 401.62'
126.78'



S45°37'27"E 320.85'

N47°11'25"W 181.60'

S48°18'22"E 357.09'

R=2428.59
L=168.15'

542

538

536

540

538

536

534

532

530

528

546

544

542

of lime
 specified below:
 disturbed
 having disturbed

persons that are
 Department of the

percent Phosphorus, and 0.2
 not meet these requirements.
 prior to use.

the rate of 4 lb./1,000

CE POST.
 INTO

IGHT OF
 55 F

PTH IN

POST SECTION
 M 20' ABOVE
 UNDISTURBED
 GROUND
 POST DRIVEN
 M OF 16" INTO
 GROUND

ARD SYMBOL
 -Sf -

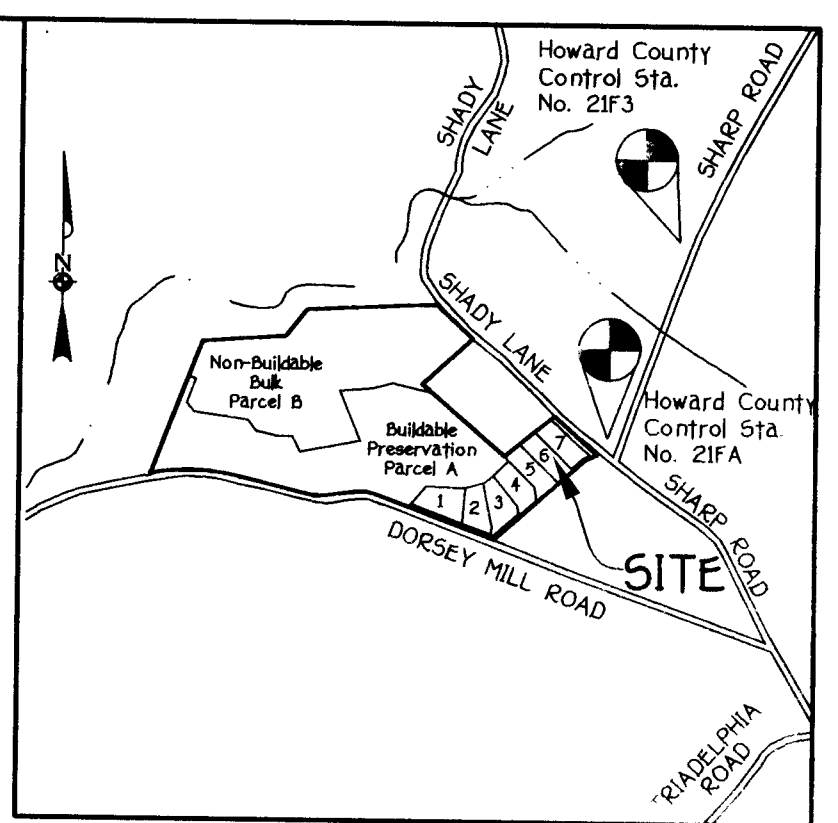
into the
 7/4" diameter
 ts will be
 ar foot.

ire ties
 irements

IT 509
 IT 509
 IT 322
 IT 322

verlapped.

stained when
 ric height



VICINITY MAP
 SCALE: 1"=1200'

GENERAL NOTES

1. SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT No.
2. PROPOSED 1500 GALLON SEPTIC TANK. 144 50
3. A. FIRST FLOOR ELEVATION: 535 50
 B. BASEMENT ELEVATION: 535 50
 C. INVERT OF SEPTIC SYSTEM AT HOUSE: 535 50
 D. INVERT IN AT SEPTIC TANK: 535 50
 E. INVERT OUT AT SEPTIC TANK: 535 50
 F. PROPOSED GRADE OVER SEPTIC TANK: 535 50
 G. INVERT AT DISTRIBUTION BOX: 535 50
 H. EXISTING GROUND OVER DISTRIBUTION BOX: 535 50
4. LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
5. CONTRACTOR / BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING ANY CONSTRUCTION.
6. THERE IS NO BASEMENT SERVICE TO SEPTIC SYSTEM.

Approved Septic System Plan
 Howard County Health Department

Craig Willoughby 9/13/00
 Date

Total linear feet of trench required 180 feet

Width of trench(es) 3.0 feet

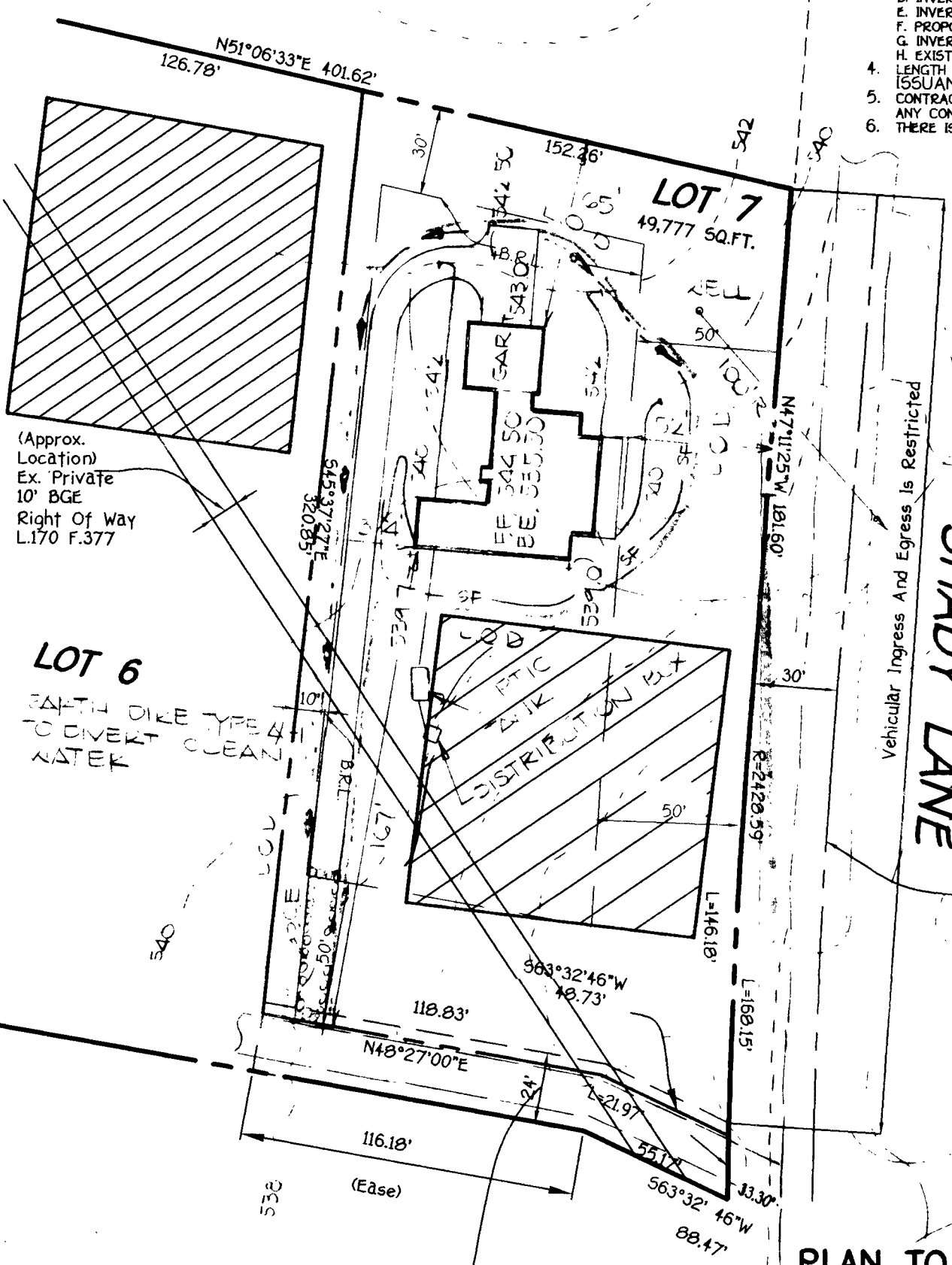
Depth of trench(es) 5.0 feet

Depth of stone required below distribution pipe 2.0 feet

Vehicular Ingress And Egress Is Restricted

SHADY LANE

Existing Centerline Of Roadway.



(Approx. Location)
 Ex. Private
 10' BGE
 Right Of Way
 L.170 F.377

LOT 6
 EARTH DIKE TYPE 4
 TO DIVERT CLEAN
 WATER

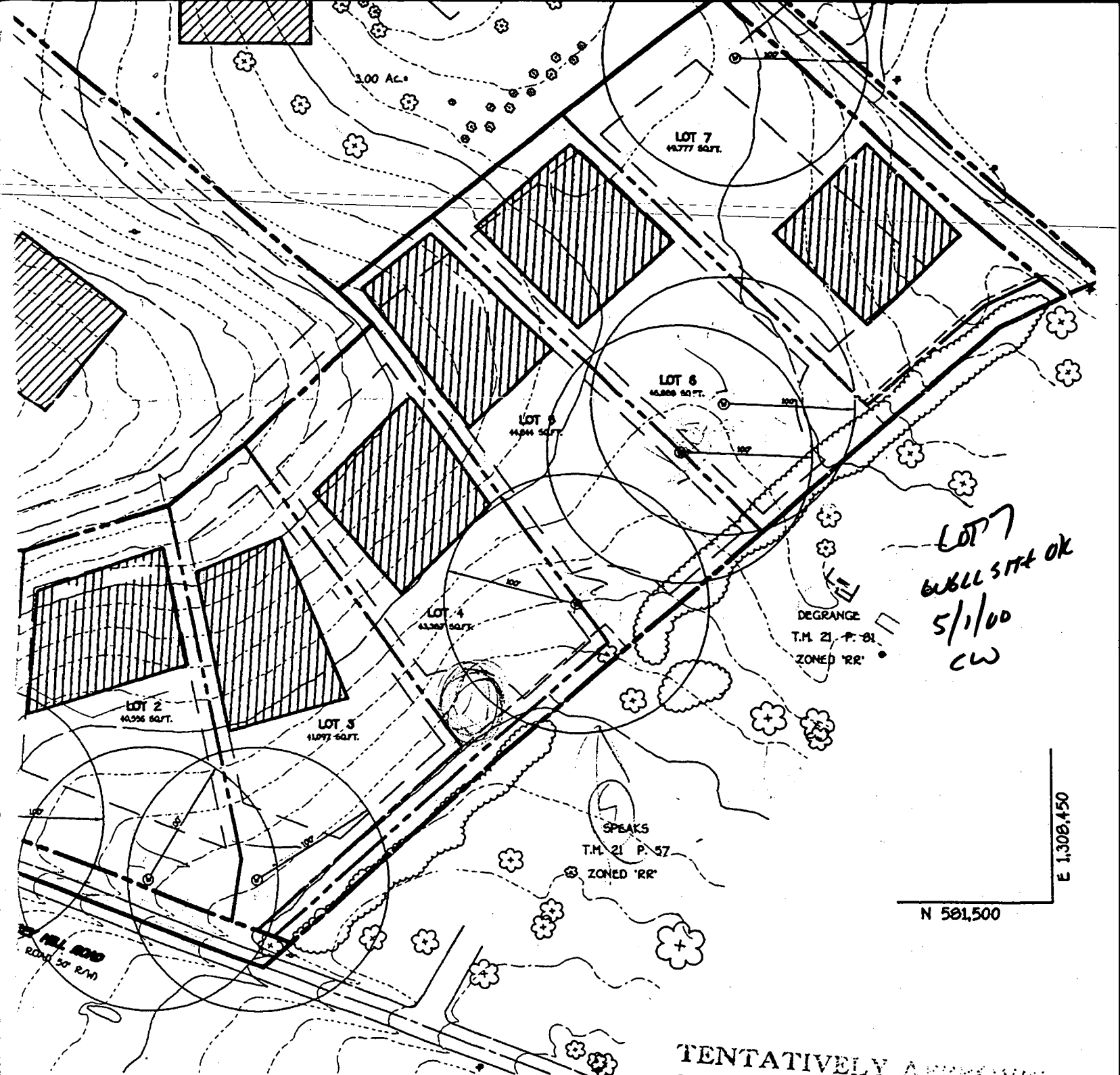
**PLAN TO ACCOMPANY APPLICATION
 FOR BUILDING PERMIT
 WINDRIDGE FARMS
 SECTION 2, AREA 1
 LOT 7**

Private Access Easement Across
 of 6 For The Use And Benefit Of
 lots 6 And 7.

GP.00-202

TAX MAP 21
 FOURTH ELECTION DISTRICT

PARCEL 31
 HOWARD COUNTY MARYLAND



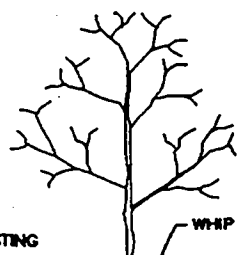
LOT 7
 6/26/00 SITE OK
 5/1/00
 CW

E 1,308,450

N 581,500

TENTATIVELY APPROVED
 DEPT. OF PLANNING AND
 ZONING OF
 HOWARD COUNTY

[Signature]
 PLANNING DIRECTOR SA 2/14/06
 DATE



WHIP OR TREE

BACKFILL WITH EXISTING
 NATIVE SOIL



B 1 18691 <small>1 2 3 4 5 6</small>	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER HO - 94 - 2649 <small>70 fill in this form completely 79</small>
------------------------------------------------	--------------------------------	-------------------------------------------------------------------	---------------------------------------------------------------------------------------------------

Date Received (APA) _____

OWNER INFORMATION

8 MM DD YY 13
325 Developens LLC

15 Last Name Owner First Name 34
8808 Centre Park Dr. Suite 205

36 Street or RFD 55
Columbia MD 21045

57 Town 70 State 72 Zip 76

B 3 **Howard** LOCATION OF WELL

8 COUNTY 21
Windridge Farm

23 SUBDIVISION 42
GLEWELG.

SECTION 44 46 LOT 7
 48 50

52 NEAREST TOWN 71
GLEWELG.

MILES FROM TOWN (enter 0 if in town) 3 M I
 73 76 77 78

DRILLER INFORMATION

Ralph MAYNE M SD116
 Driller's Name 76 License No. 81

Ralph MAYNE well Drilling
 Firm Name

9120 Brown Church Rd. Mt Airy
 Address

Ralph Mayne **3-26-00**
 Signature Date

B 4

1 2
 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

SHADY LA.
 11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 40 37
 DISTANCE FROM ROAD
 ENTER FT OR MI 38 39

TAX MAP: _____ BLK: _____ PARCEL _____

B 2 **WELL INFORMATION**

APPROX. PUMPING RATE (GAL. PER MIN.) 5
 8 12

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500
 14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)

22 INDUSTRIAL, COMMERCIAL, DEWATERING

PUBLIC WATER SUPPLY WELL

TEST, OBSERVATION, MONITORING

GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard 13
 COUNTY NAME COUNTY NO.

STATE SIGNATURE _____ INSERT S →

DATE ISSUED 5 1 00 **C. Will** 4/30/01
 43 MM DD YY 48 CO SIGNATURE EXP. DATE

NORTH GRID 798 000 EAST GRID 0527 000
 50 55 57 63

APPROXIMATE DEPTH OF WELL 150 FEET
 24 28

APPROXIMATE DIAMETER OF WELL 6" NEAREST INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN

30 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)

37 CABLE REVerse-ROTary DRive-POINT

other _____

REPLACEMENT OR DEEPEINED WELLS (CIRCLE APPROPRIATE BOX)

THIS WELL WILL NOT REPLACE AN EXISTING WELL

THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED

39 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 DEEPEIN AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE) 41 _____ 52

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

APPROP. PERMIT NUMBER _____ G A P _____
 54 63

PERMIT No. **HO - 94 - 2649**
 70 71 72 73 74 75 76 77 78 79

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X →

SOURCES OF DRILLING WATER

- well
-
-

WRITE THE BOX NUMBER FROM THE MAP HERE

E 5207
 N 7905

000
000

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

N ↑