

APPLICATION

PERCOLATION TESTING

A 513618-0

P _____

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

DISTRICT _____

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 Jared T. Healy, Trustee and M. Charlotte Powel, Trustee

ADDRESS 10715 Charter Dr., Columbia, MD 21044 PHONE 410-730-4545

AGENT OR PROSPECTIVE BUYER Floyd Lane, L.L.C. CONTACT: Tim Feaga, Heritage Land Develop

ADDRESS P.O. Box 999, Columbia, MD 21044 PHONE 410-489-7900, ext. 11

PROPERTY LOCATION:

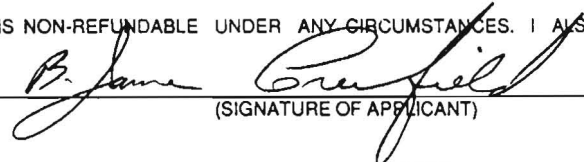
SUBDIVISION _____ LOT NO. 15

ROAD AND DESCRIPTION Buckskin Woods Drive, Ellicott City, MD 21042

TAX MAP 22 PARCEL # 77, 283 and 74

SIZE OF LOT 1 acre 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

COUNTY #

SOIL PROFILE

(26) (25)

topsoil
 org brn
 sa cl lm

pale
 org beig
 sa mica
 lm

15%
 sa pr
 sh

(29)

topsoil
 red brn
 sa cl lm

pale
 org fan
 sa mica
 lm

15%
 sa pr
 sh

(28)

topsoil
 org brn
 sa cl lm

med
 org brn
 sa mica
 lm

15%
 sa pr
 sh

SOIL PROFILE

(29)

topsoil
 br
 org brn
 sa cl lm

med
 pk brn
 sa mica
 lm

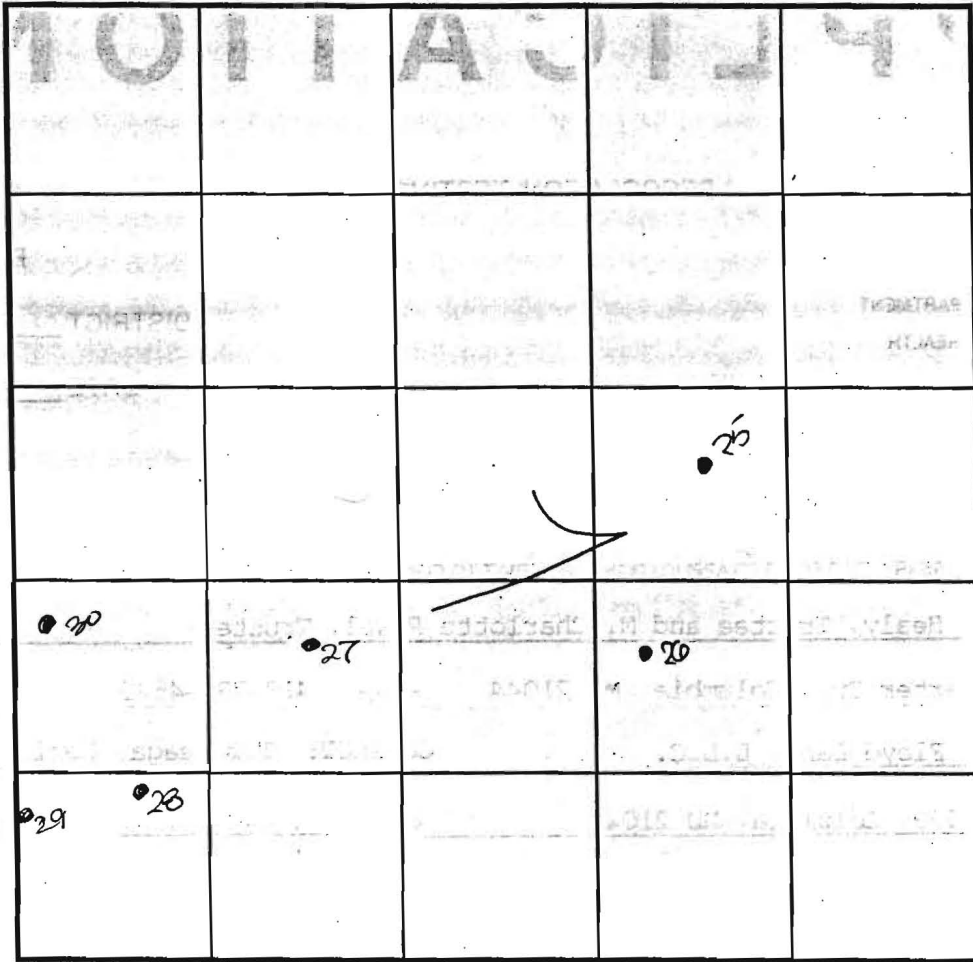
15%
 sa pr
 sh

(30)

topsoil
 br
 red brn
 sa cl lm

pale
 org brn
 sa mica
 lm

15%
 sa pr
 sh



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7-25-00	26	3.5'S	3:07	3:09	3:09	3:12 ₃	4
		(12.5'D)	Visual	-see	profile		OK
	25	12.0'D	Visual	-see	profile		OK
	27	4.0'S	3:16	3:17 ₃	3:17 ₃	3:20	3
		12.0'D	Visual	-see	profile		OK
	28	13.0'D	Visual	-see	profile		OK
	30	12'8"D	Visual	-see	profile		OK
	29	2.5'S	3:25	3:26 ₃	3:26 ₃	3:28 ₂	2
		12.0'D	Visual	-see	profile		OK

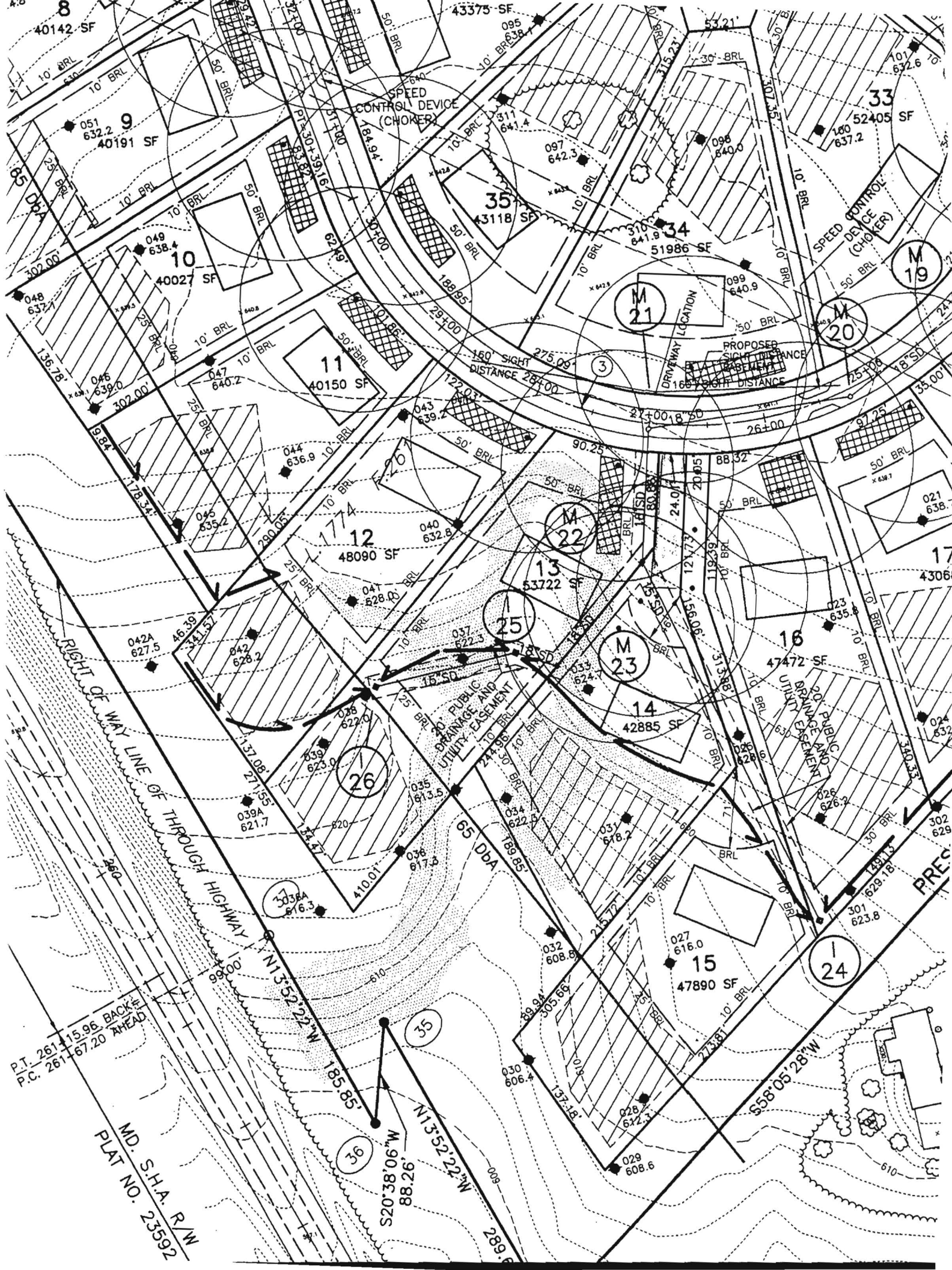
REMARKS: holes tested as stated

TYPE OF SOIL _____

TESTED BY: DK5 ALSO PRESENT: C. Zepp, T. Feaga

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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



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 (03-05-09).
- 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 Thereto.
- Following initial soil disturbance or re-disturbance, permanent or temporary stabilization shall be completed within 7 calendar days for all perimeter sediment control structures. Dikes, perimeter slopes and all slopes steeper than 3:1 in 14 days as to all other disturbed or graded areas on the project site.
- All sediment transportations shown must 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 periods specified above in accordance with the 1994 Maryland Standards and Specifications for Soil Erosion and Sediment Control. For permanent seeding (see 20-500 GEC 5A), temporary seeding (see 50-100 GEC 5D), and mulching (see 50-100 GEC 5E), 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 a satisfactory condition until the time periods specified above in accordance with the 1994 Maryland Standards and Specifications for Soil Erosion and Sediment Control. For the purpose of this plan, the Howard County Sediment Control Inspector.
- Site Analysis:
 - Total Area of Site: 0.999 Acres
 - Area to be Graded or Paved: 0.930 Acres
 - Area to be Vegetatively Stabilized: 0.467 Acres
 - Total Culverts: 200 Culverts
 - Total Fill: 1000 Cubic Yds.

TEMPORARY SEEDING NOTES

APPLY TO GRADES 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, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS:
APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER @ 1.5 LBS./1000 SQ.FT.

SEEDING:
FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH NOVEMBER 15, SEED WITH 1/2 BUSHEL PER ANNUAL RYE @ 1.5 LBS./ACRE. SEEDING LOWLANDS @ 1.5 LBS./ACRE. SEED UPLANDS @ 1.5 LBS./ACRE. SEED PERIODICALLY @ 20 PROJECT 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 (10 TO 15 LBS./1000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 250 GALLONS PER ACRE OF GALVALUM SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS ON SLOPES 8 FEET OR HIGHER. USE 340 GALLONS PER ACRE OF GALVALUM 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:

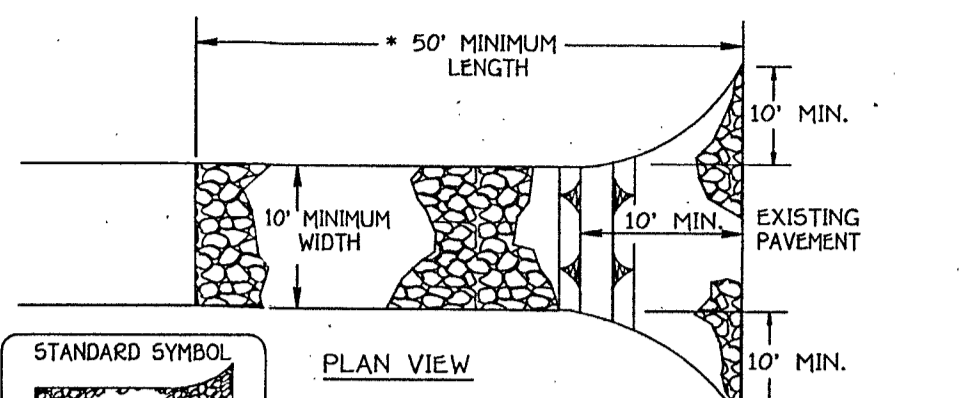
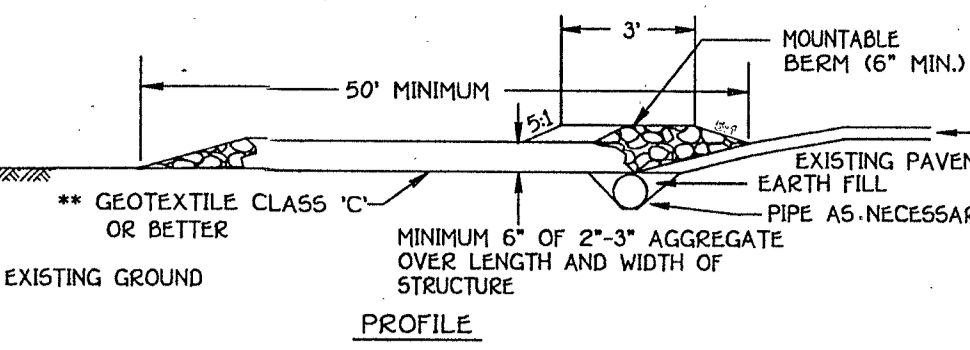
SEEDING PREPARATION:
LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

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. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 30-0-40 UREA-FERTILIZER (9 LBS./1000 SQ.FT.) AND 500 LBS. PER ACRE 0-15 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 100 LBS. PER ACRE (23 LBS./1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE AND 2 LBS. PER ACRE (400 LBS./1000 SQ.FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 15 THROUGH FEBRUARY 28, PROJECT SITE BY OPTION (1) - TWO TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) - USE 500 LBS. PER ACRE (110 LBS./ACRE) OF KENTUCKY 31 TALL FESCUE AND MULCH WITH TWO TONS/ACRE WELL ANCHORED STRAW. ALL SLOPES SHOULD BE HYDROSEEDED.

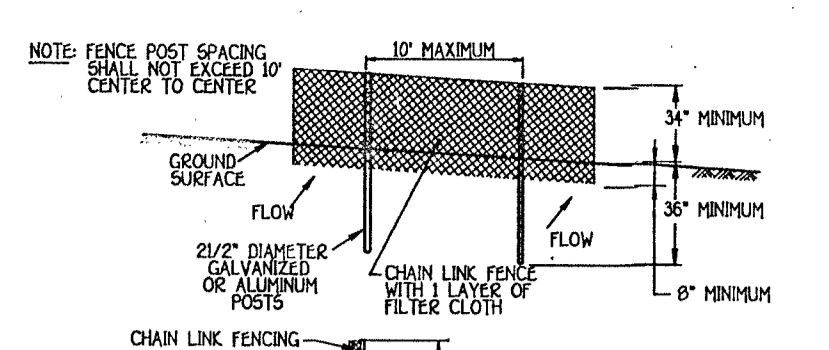
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MAINTENANCE:
INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.
* FOR PUBLIC PONDS SUBSTITUTE CHEAPING CROWNWEED AT 15 LBS./ACRE AND KENTUCKY 31 TALL FESCUE AT 40 LBS./ACRE AS THE SEEDING REQUIREMENT. OPTIMUM SEEDING DATE 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 placed 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 other locally 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 5:1 slopes and a minimum of 6" of stone over the pipe. Pipe has to be sized according to the drainage. If the pipe 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.



Construction Specifications

- Fencing shall be 42" in height and constructed in accordance with the latest Maryland State Highway Details for Chain Link Fencing. The specification for a 6" fence shall be used, substituting 42" fabric and 6" length posts.
- Chain link fence shall be fastened securely to the fence posts with wire ties. The lower tension wire, brace and truss rods, drive anchors and post caps are not required except on the ends of the fence.
- Filter cloth shall be fastened to the chain link fence with ties spaced every 24" at the top and mid section.
- Filter cloth shall be embedded a minimum of 6" into the ground.
- When two sections of filter cloth adjoin each other, they shall be overlapped by 6" and folded.
- Maintenance shall be performed as needed and all built-up removed when "bulges" develop in the silt fence, or when silt reaches 50% of fence height.
- Filter cloth 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:

Slope	Slope Steepness	Slope Length (maximum)	Silt Fence Length (maximum)
0 - 10%	0 - 10%	Unlimited	Unlimited
10 - 20%	10 - 20%	100 feet	1000 feet
20 - 33%	20 - 33%	100 feet	500 feet
33 - 50%	33 - 50%	50 feet	250 feet
50% +	2:1 +		

Design Criteria

Tensile Strength	Tensile Modulus	Flow Rate	Design Criteria
50 lbs/in (min)	20 lbs/in (min)	0.3 gpm/minute (max)	148: MSMT 509
			148: MSMT 322
			148: MSMT 322

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
- FINISH GRADE SITE AND INSTALL PERMANENT SEEDING AND LANDSCAPE. 1 DAY
- REMOVE SEDIMENT CONTROL DEVICES AS UPLAND AREAS ARE STABILIZED AND PERMISSION IS GRANTED BY E/S CONTROL INSPECTOR. 2 DAYS

PERMITS AND APPROVALS:

APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERMANENT SEDIMENT CONTROL DEVICES, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THE INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.

PERMITS FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THOSE PIPE LINES OR THAT WHICH SHALL BE PACK-FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHEREVER IS SHOWN.

SEQUENCE OF CONSTRUCTION

- OBTAIN GRADING PERMIT.
- INSTALL SEDIMENT CONTROLS AS SHOWN ON PLAN (1 DAY)
- PERFORM NECESSARY GRADING AND STABILIZE THE SITE (2 DAY)
- CONSTRUCT BUILDING ON SITE (90 DAY)
- AFTER THE SITE IS STABILIZED AND PERMISSION IS GRANTED FROM THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROLS AND STABILIZE ANY REMAINING DISTURBED AREAS.

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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 AN AGRONOMIST OR 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 5% BY VOLUME OF COBBLES, STONES, SLAG, COARSE FRAGMENTS, GRAVEL, STICKS, ROOTS OR OTHER MATERIALS LARGER THAN 1 1/2" IN DIAMETER.

TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS BERMUDA GRASS, QUACKGRASS, JOHNSONGRASS, NUTCRACK, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED.

WHERE THE TOPSOIL IS EITHER HEAVILY ACIDIC OR COMPOSED OF HEAVY CLAYS, GROUND LIMESTONE SHALL BE SPREAD AT THE RATE OF 40 TONS/ACRE (8000 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 CONNECTION WITH BULDOZER OPERATIONS AS DESCRIBED IN THE FOLLOWING PROCEDURES:

LEGEND

SYMBOL	DESCRIPTION
---	EXISTING CONTOUR 2' INTERVAL
- - - -	PROPOSED CONTOUR 2' INTERVAL
+362.5	SPOT ELEVATION
⊕	INLET PROTECTION
—S—S—	SUPER SILT FENCE
—D—D—	PROPOSED WALKOUT
LOD	LIMITS OF DISTURBANCE
—	EXISTING STREET TREES FROM F-01-191
⊙	EXISTING PERC TEST HOLE

PERC CERTIFICATION

I certify that the information shown hereon is based on field locations done under my direct supervision and on a contract to the best of my professional knowledge.

Terrill A. Fisher, L.S. 4/18/08 Date

THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY CONSERVATION DISTRICT.

John R. Robertson, Director 7/14/06

4-17-08 Rev drwg to Perc Cert Plan inc. all notes, perc test holes & adj. info. per Health Dept.

11-2-07 Rev hse elev. & regrade

8-8-07 Rev hse type from O-O to K-K

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

Jim Maguire, P.E. 7/14/06

Approved for private water or private sewerage systems. Howard County Health Department.

Richard J. Peterson, 5/6/08 Date

BUILDER/DEVELOPER

COLUMBIA EILDERS
P.O. BOX 999
COLUMBIA, MD AND 21044
410-730-740

ENGINEER'S CERTIFICATE

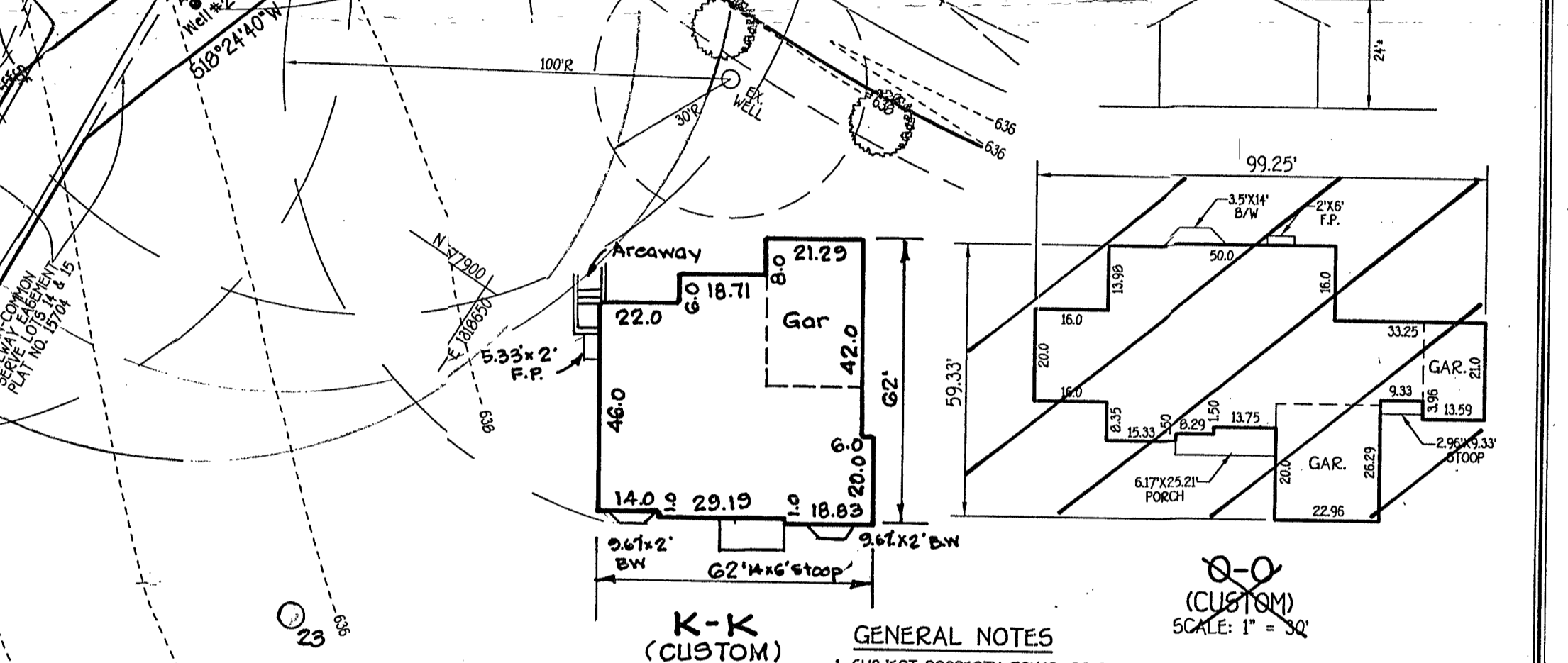
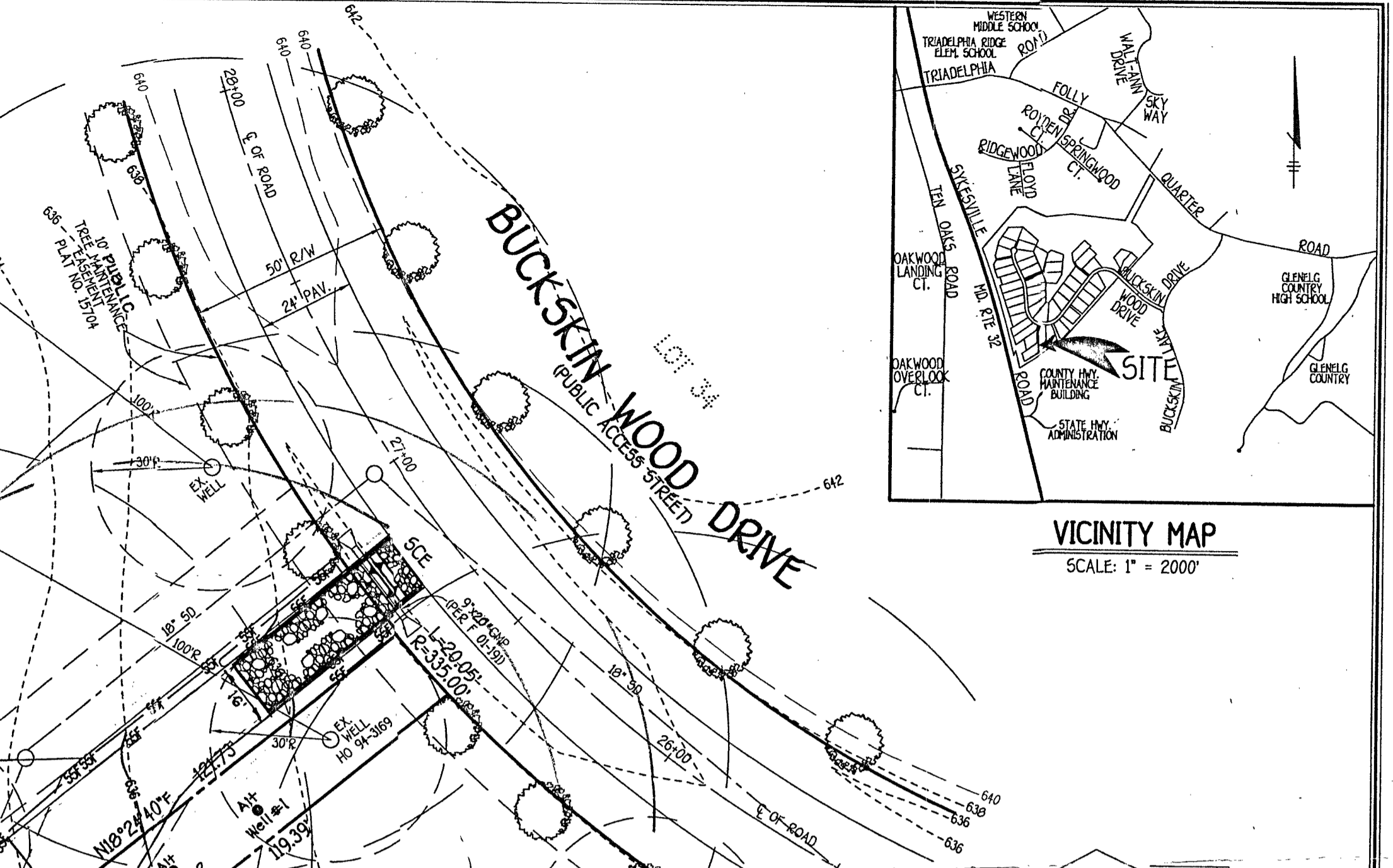
I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND MODERATE PLAN BASED UPON MY PERSONAL KNOWLEDGE OF THE SITE CONDITION AND THAT IT WAS PROVIDED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY CONSERVATION DISTRICT.

Earl D. Collins, 7-06 DATE

DEVELOPER'S CERTIFICATE

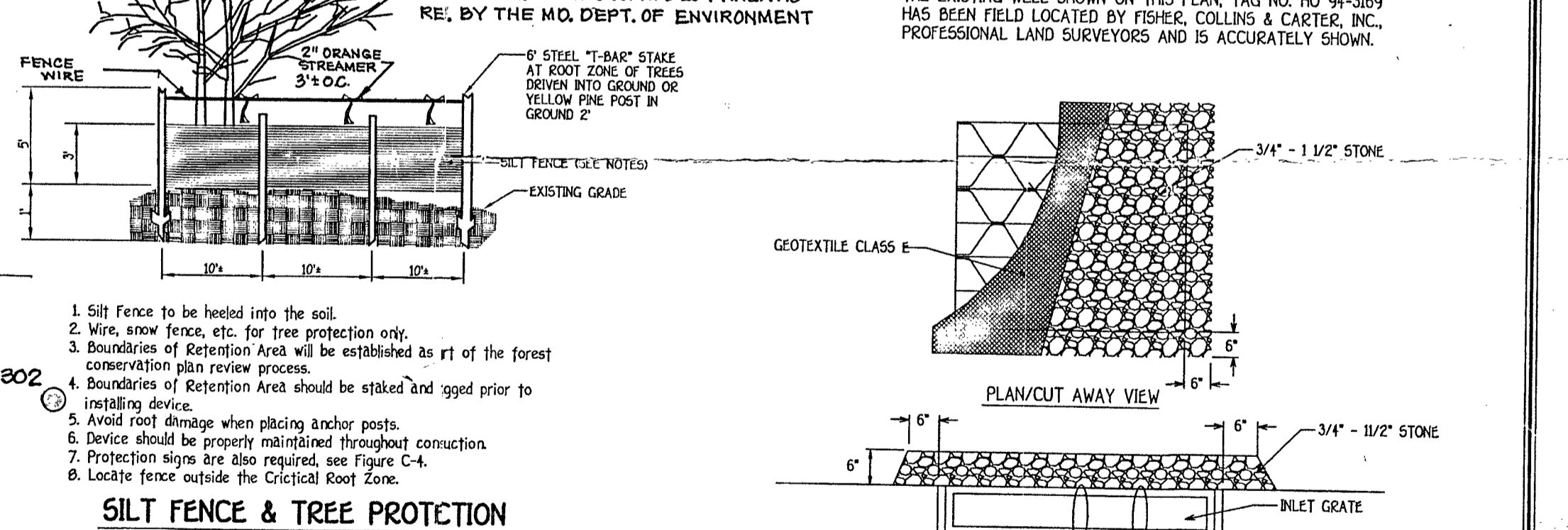
I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE WARD SOIL CONSERVATION DISTRICT.

James Greenfield, 7-06 DATE



GENERAL NOTES

- SUBJECT PROPERTY ZONED: RR-DEO
- TOTAL AREA OF PROPERTY: 47,890 SQ.FT.
- SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT REVIEW.
- LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
- CONTRACTOR/BUILDER TO VERIFY ELEVATION IN THE FIELD BEFORE BEGINNING ANY CONSTRUCTION.
- FIELD RUN TOPOGRAPHIC SURVEY DONE BY CLARK, FINEROCK & SACKETT, INC.
- NO WETLANDS CURRENTLY EXIST ON THE PROPERTY.
- DRIVEWAY CULVERTS SHALL BE CONSTRUCTED AT SITE DEVELOPMENT PLAN STAGE IN ACCORDANCE WITH APPROVED CULVERT SIZE SHOWN ON F-01-191.
- STORMWATER MANAGEMENT IS PROVIDED UNDER F-01-191.
- EXISTING WELLS AND SEPTIC EASEMENTS WITHIN 100 FEET OF THE PROPERTY (LOT) BOUNDARIES HAVE BEEN LOCATED.
- THE EXISTING WELL SHOWN ON THIS PLAN, TAG NO. HD 94-3169 HAS BEEN FIELD LOCATED BY FISHER, COLLINS & CARTER, INC. PROFESSIONAL LAND SURVEYORS AND IS ACCURATELY SHOWN.



AT GRADE INLET PROTECTION

NOT TO SCALE

4301 BUCKSKIN WOODS DRIVE
PERCOLATION CERTIFICATION PLAN
SITE DEVELOPMENT,
SEDIMENT/EROSION CONTROL PLAN, NOTES & DETAILS
BUCKSKIN RIDGE
LOT 15

ZONED RR-DEO
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1" = 30'
PLAT NO. 15704
DATE: JUNE, 2006

FISHER, COLLINS & CARTER, INC.
LAND ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL FREE
ELLSWORTH CITY, MARYLAND 21042
410-461-2955

PART OF
NON-BUILDABLE
PRESERVATION
PARCEL A

LOT 15
47,890 SQ.FT.

SEPTIC
AREA

65 Dba

1,300 GAL. SEPTIC TANK
INVT. BOX
INVT. 815.00
INVT. 812.00
OUT 812.30

GAR.
X 625.50

GAR.
625.50

FF 627.20
B 617.17
(MODIFIED)
00

3R
X 624.80

PER 50' BRL
5TH ADJACENT ZONING
PER RECORD PLA
NO. 15704

Approved Septic System Plan
Howard County Health Department
[Signature]
Signature
Date 7/14/06

SECTION
12
MANAGEMENT
SECTION

PARCEL 529
N/E H.A. KNAN, ET UX
D2345 F.643
ZONE: RR-D5C



MANAGEMENT AND
SECTION DISTRICT.

7/14/06

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT
AND MEETS TECHNICAL REQUIREMENTS.

[Signature] 7/14/06

BUILDER/DEVELOPER

COLUMBIA BUILDERS
P.O. BOX 999
COLUMBIA, MARYLAND 21044

APPLICATION

PERCOLATION TESTING

A 513618-0

P _____

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

DISTRICT _____

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 Jared T. Healy, Trustee and M. Charlotte Powel, Trustee

ADDRESS 10715 Charter Dr., Columbia, MD 21044 PHONE 410-730-4545

AGENT OR PROSPECTIVE BUYER Floyd Lane, L.L.C. CONTACT: Tim Feaga, Heritage Land Develop

ADDRESS P.O. Box 999, Columbia, MD 21044 PHONE 410-489-7900, ext. 11

PROPERTY LOCATION:

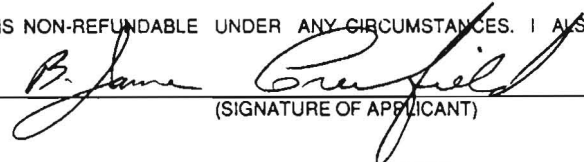
SUBDIVISION _____ LOT NO. 15

ROAD AND DESCRIPTION Buckskin Woods Drive, Ellicott City, MD 21042

TAX MAP 22 PARCEL # 77, 283 and 74

SIZE OF LOT 1 acre 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

COUNTY #

SOIL PROFILE
(26) (25)

topsoil
org brn
sa cl lm

pale
org beig
sa mica
lm

15%
sapr
sh

(29)

topsoil
red brn
sa cl lm

pale
org fan
sa mica
lm

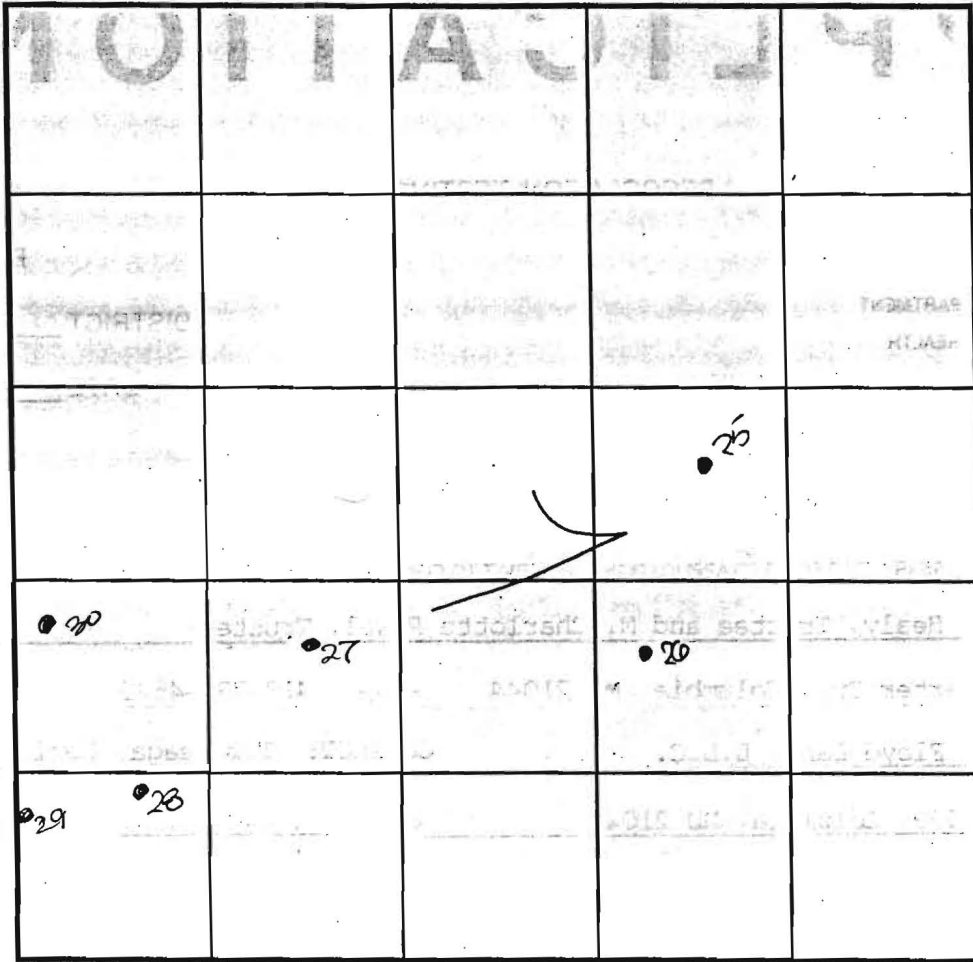
15%
sapr
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(28)

topsoil
org brn
sa cl lm

med
org brn
sa mica
lm

15%
sapr
sh



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE
(29)

topsoil
br
org brn
sa cl lm

med
pk brn
sa mica
lm

15%+
sapr
sh

(30)

topsoil
br
red brn
sa cl lm

pale
org brn
sa mica
lm

15%+
sapr
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DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7-25-00	26	3.5'S	3:07	3:09	3:09	3:12 ₃	4
		(12.5'D)	Visual	-see	profile		OK
	25	12.0'D	Visual	-see	profile		OK
	27	4.0'S	3:16	3:17 ₃	3:17 ₃	3:20	3
		12.0'D	Visual	-see	profile		OK
	28	13.0'D	Visual	-see	profile		OK
	30	12'8"D	Visual	-see	profile		OK
	29	2.5'S	3:25	3:26 ₃	3:26 ₃	3:28 ₂	2
		12.0'D	Visual	-see	profile		OK

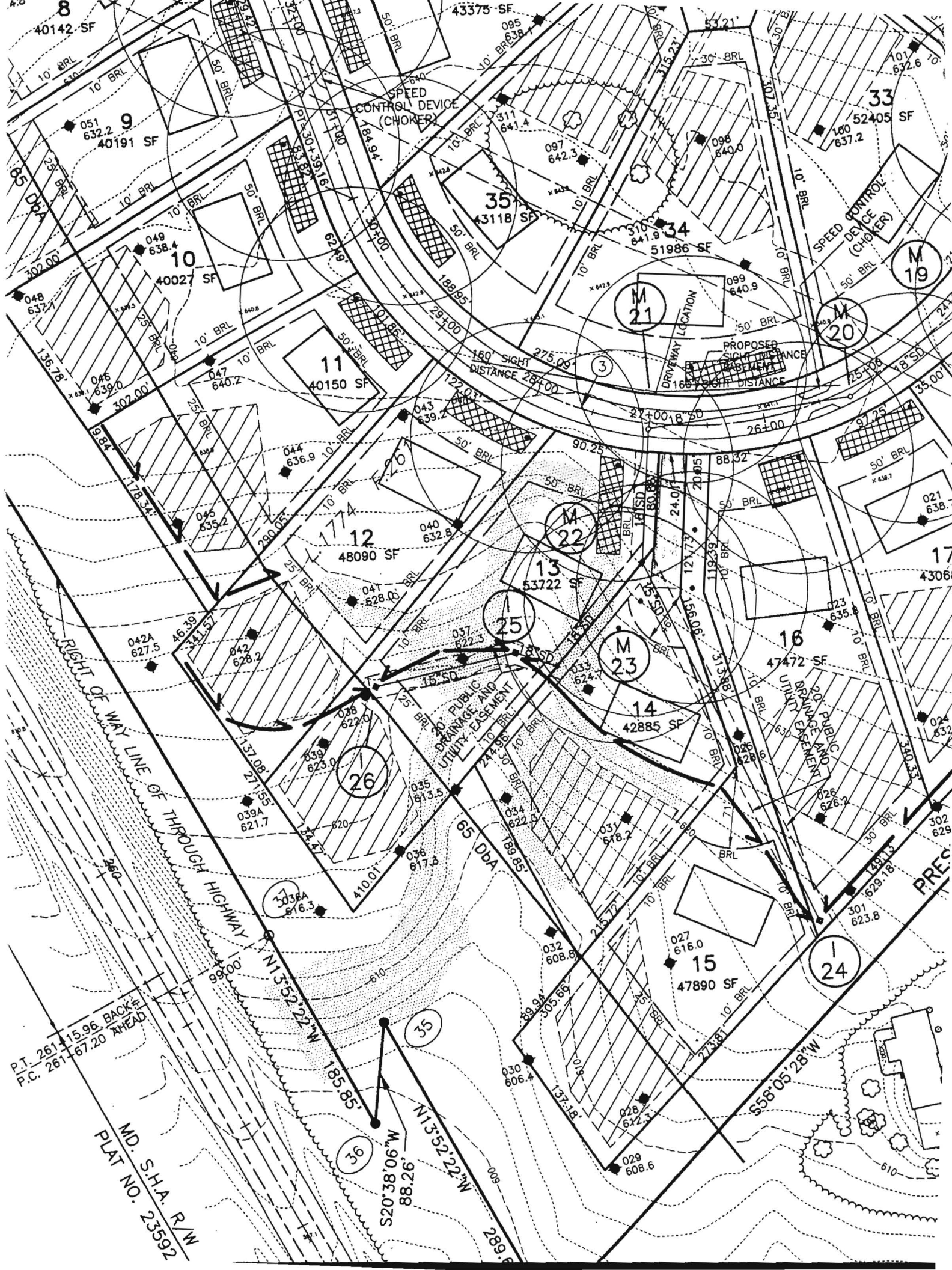
REMARKS: holes tested as stated

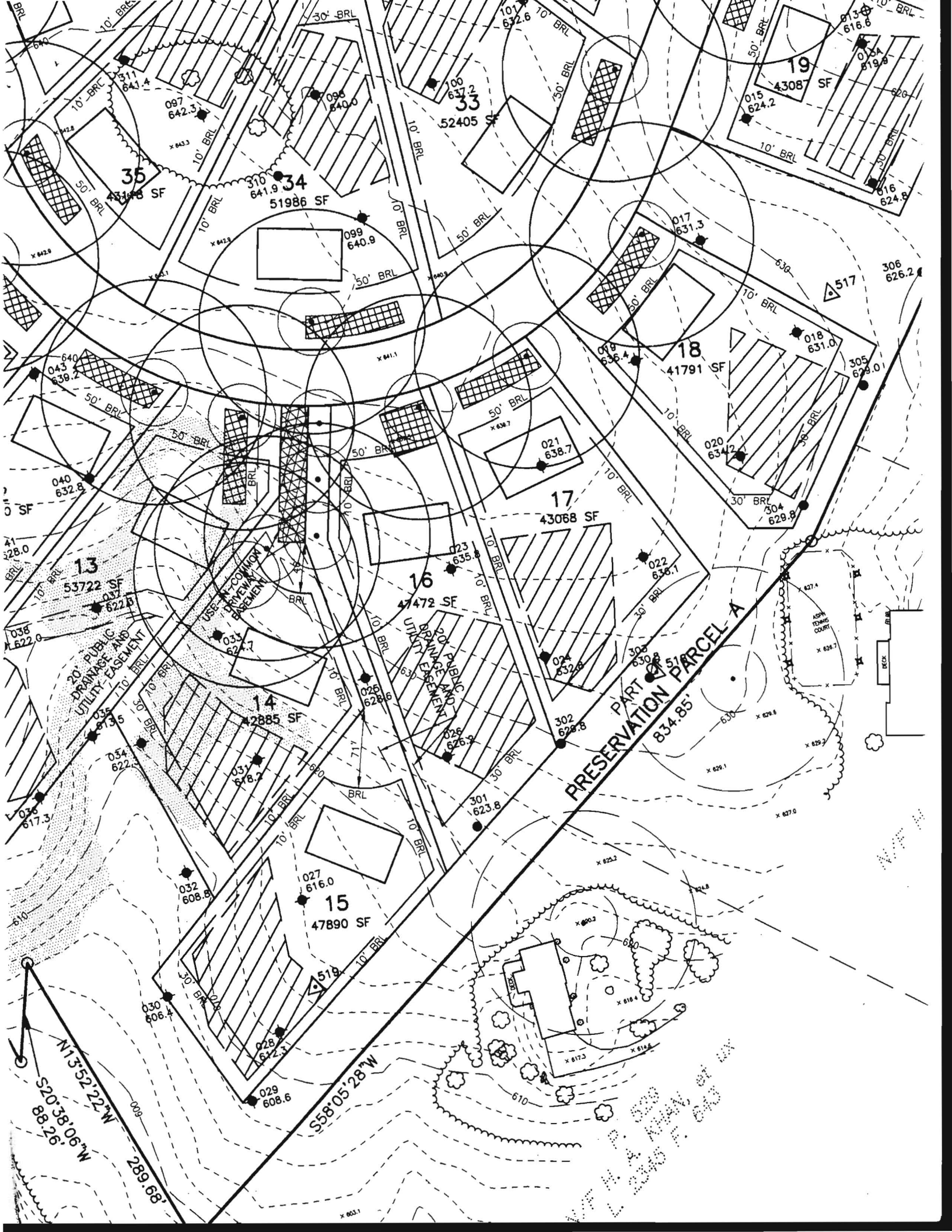
TYPE OF SOIL _____

TESTED BY: DK5 ALSO PRESENT: C. Zepp, T. Feaga

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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





35

43148 SF

34

51986 SF

33

52405 SF

19

4308 SF

13

53722 SF

16

47472 SF

17

43088 SF

18

41791 SF

14

42885 SF

15

47890 SF

PART OF PRESERVATION PARCEL A
834.85 SF

N13°52'22"W
88.26'

S58°05'28"W
289.68'

PLANNED BY
H. J. BROWN & SONS, INC.

PART OF
NON-BUILDABLE
PRESERVATION
PARCEL A

LOT 15
47,890 SQ.FT.

SEPTIC
AREA

65 Dba

N54°56'13"E 305.66'

625.00

620

622

624.00

624.70

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GAR.
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(MODIFIED)
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1,300 GAL. SEPTIC TANK
INVT. 620
OUT 622.30

1,300 GAL. SEPTIC TANK
INVT. 620
OUT 622.30

1,300 GAL. SEPTIC TANK
INVT. 620
OUT 622.30

1,300 GAL. SEPTIC TANK
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OUT 622.30

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OUT 622.30

1,300 GAL. SEPTIC TANK
INVT. 620
OUT 622.30

PARCEL 529
N/E H.A. KNAN, ET UX
D2345 F.643
ZONE: RR-D5C

Approved Septic System Plan
Howard County Health Department
[Signature]
Signature
Date 7/14/06



REVISION AND
VARIATION DISTRICT.

7/14/06

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT
AND MEETS TECHNICAL REQUIREMENTS.

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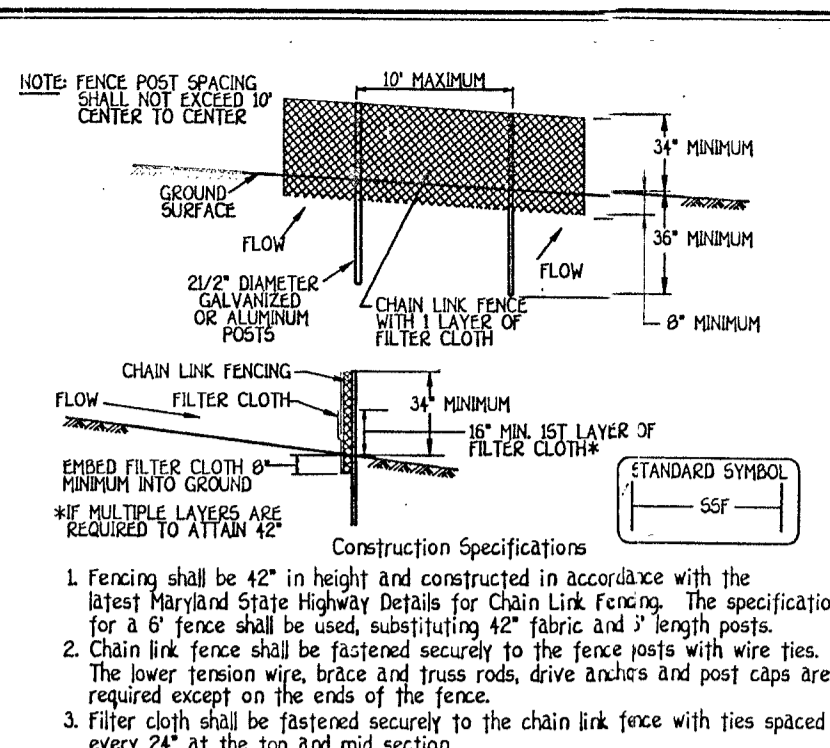
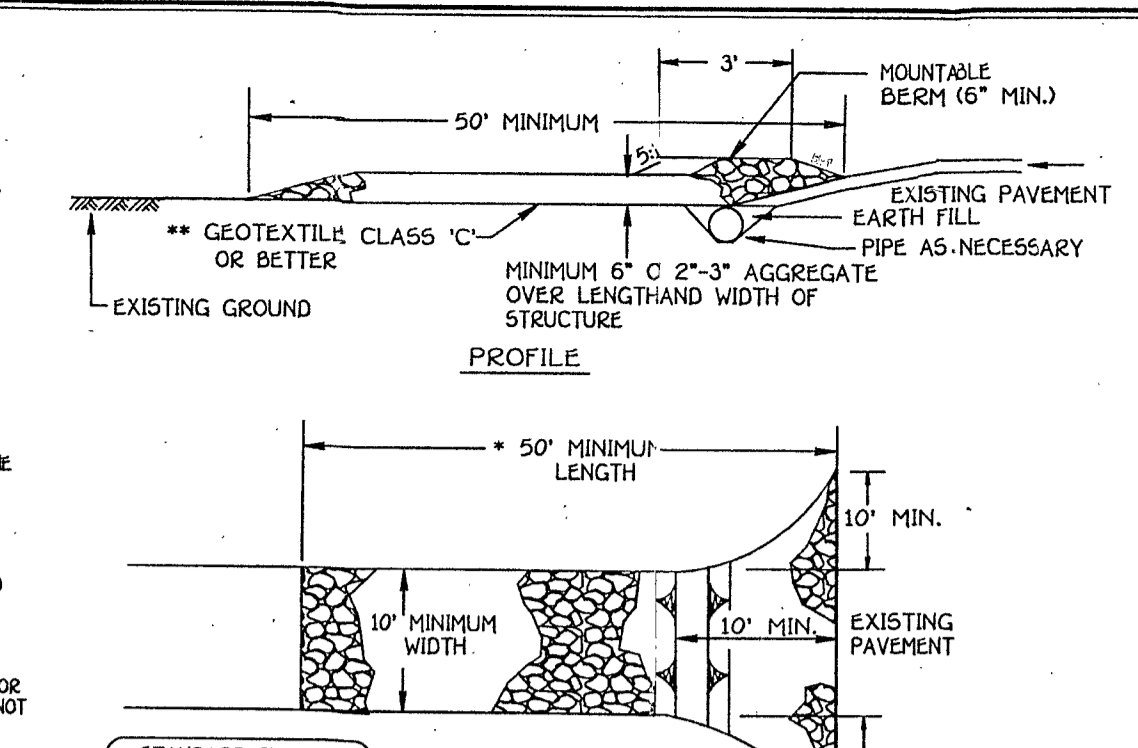
COLUMBIA BUILDERS
P.O. BOX 999
COLUMBIA, MARYLAND 21044

SEDIMENT CONTROL NOTES

- 1. 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 (03-18-99).
- 2. 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.
- 3. FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 30 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, Dikes, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3:1. IN 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- 4. ALL SEDIMENT TRAPWAYS SHOWN MUST BE FENCED AND MARKING SIGNS POSTED AROUND THESE PERIMETER IN ACCORDANCE WITH VOL. 1 CHAPTER 22 OF THE HOWARD COUNTY DESIGN MANUAL, SIGNAGE REQUIREMENTS. 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, 500 GCS, 5A), TEMPORARY SEEDING (SEC. 50 AND 500 GCS, 5B), TEMPORARY STABILIZATION WITH HELIX ALGAE COAT ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- 5. ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMSSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- 6. SITE ANALYSIS: TOTAL AREA OF SITE: 1.099 ACRES; AREA TO BE ROOFED OR PAVED: 0.660 ACRES; AREA TO BE VEGETATIVELY STABILIZED: 0.439 ACRES; TOTAL CUT: 200 CUBIC YDS.; TOTAL FILL: 1800 CUBIC YDS.
- 7. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIR OR RE-CONSTRUCTED WITHIN THE SAME DAY OF DISTURBANCE.
- 8. SEDIMENT CONTROL STRUCTURES MUST BE PROVIDED IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- 9. ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE OBTAINED PRIOR TO COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROL STRUCTURES, BUT BEFORE PROCEEDING WITH OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR OTHER EARTH DISTURBANCE APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
- 10. 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.

TEMPORARY SEEDING NOTES

- APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED 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 (4 LBS./1000 SQ.FT.)
- SEEDING: APPLY 1 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNMULCHED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE OF 3/4" DIA. WIRE MULCH OR 2" DIA. WIRE MULCH ON FLAT AREAS ON SLOPES 3 FEET OR HIGHER. USE 340 GALLONS PER ACRE (6 GAL./1000 SQ.FT.) FOR ANCHORING. REFER TO THE 1990 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.



SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT.	1 DAY
2. INSTALL SEDIMENT AND EROSION CONTROL DEVICES AS SHOWN IN PLAN.	1 DAY
3. CLEAR AND GRAD TO LIMITS OF DISTURBANCE AND PAVED AREAS.	1 DAY
4. INSTALL TEMPORARY SEEDING.	1 DAY
5. CONSTRUCT BUILDINGS.	2 MONTHS
6. FINISH GRADE SITE AND INSTALL PERMANENT SEEDING AND LANDSCAPE.	1 DAY
7. REMOVE SEDIMENT CONTROL DEVICES AS NEARLY AS ARE STABILIZED AND PERMSSION IS GRANTED BY E/S CONTROL INSPECTOR.	2 DAYS

STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE

SEQUENCE OF CONSTRUCTION

NOT TO SCALE

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PERMITS AND APPROVALS

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT. Approved for Private Water and Private Sewerage Systems, Howard County Health Department. Approved for Private Water and Private Sewerage Systems, Howard County Health Department.

4-17-08 Rev drwg to Perc Cert Plan inc. all notes, perc test holes & adj. in br. 11-2-07 Rev hse. elev. & rear grade. 8-8-07 Rev hse. type from O-O to K-K.

Reviewed for HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS. Reviewed for HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT. Approved for Private Water and Private Sewerage Systems, Howard County Health Department.

TERRELL A. FISHER, P.E., Surveyor No. 10692, 4/18/08 Date. J. Fisher, Collins & Carter, Inc. Civil Engineering Consultants & Land Surveyors.

PERC CERTIFICATION. I certify that the information shown hereon is based on field locations done under my direct supervision and are correct to the best of my professional knowledge and belief. Terrell A. Fisher, Surveyor No. 10692, 4/18/08 Date.

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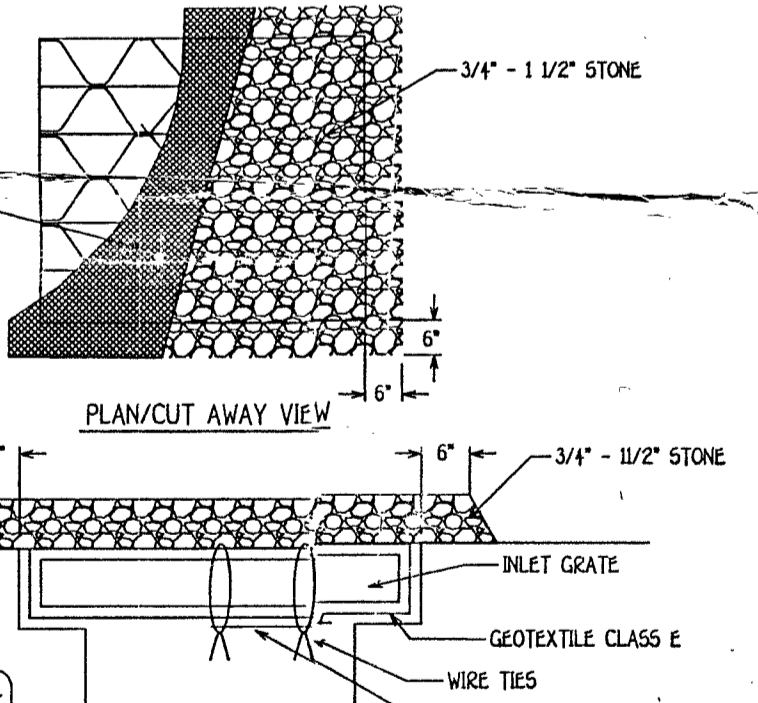
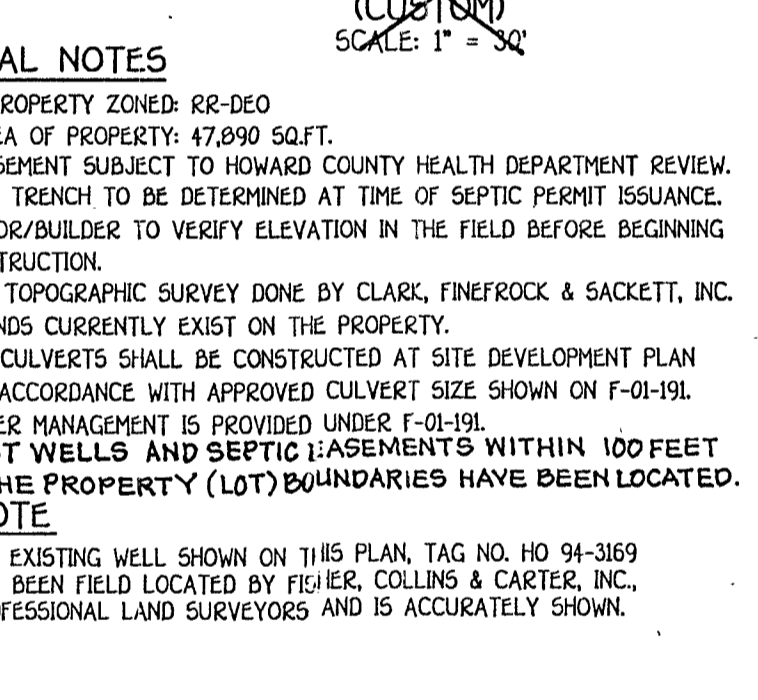
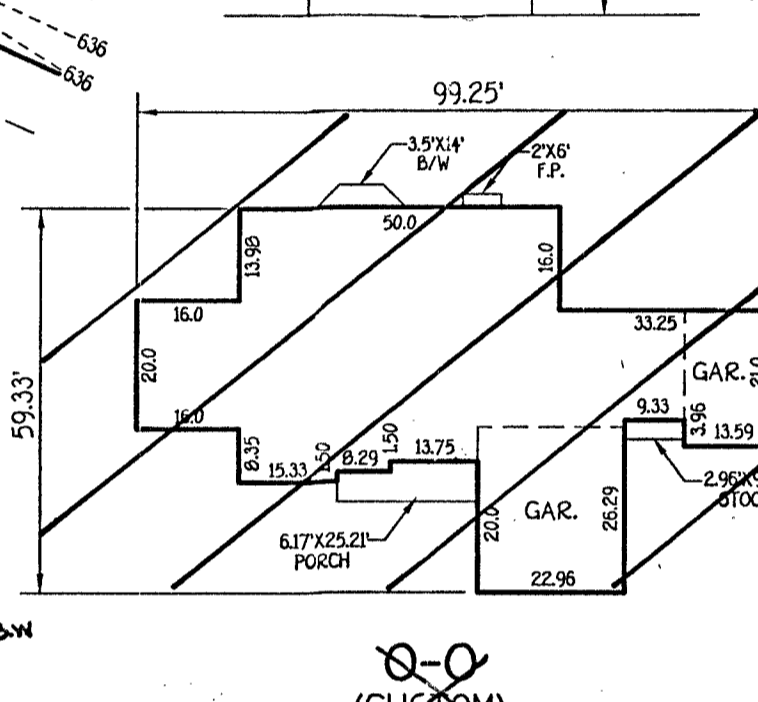
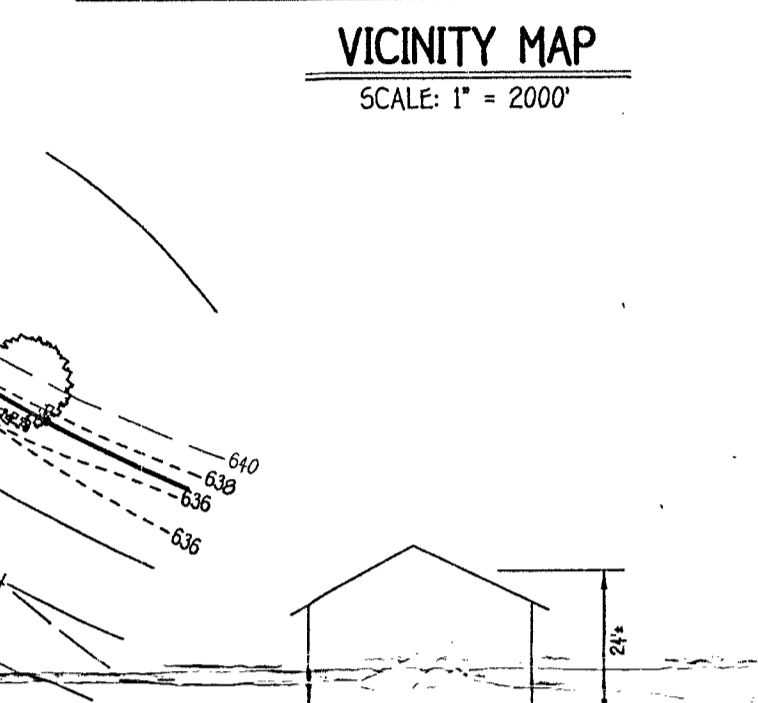
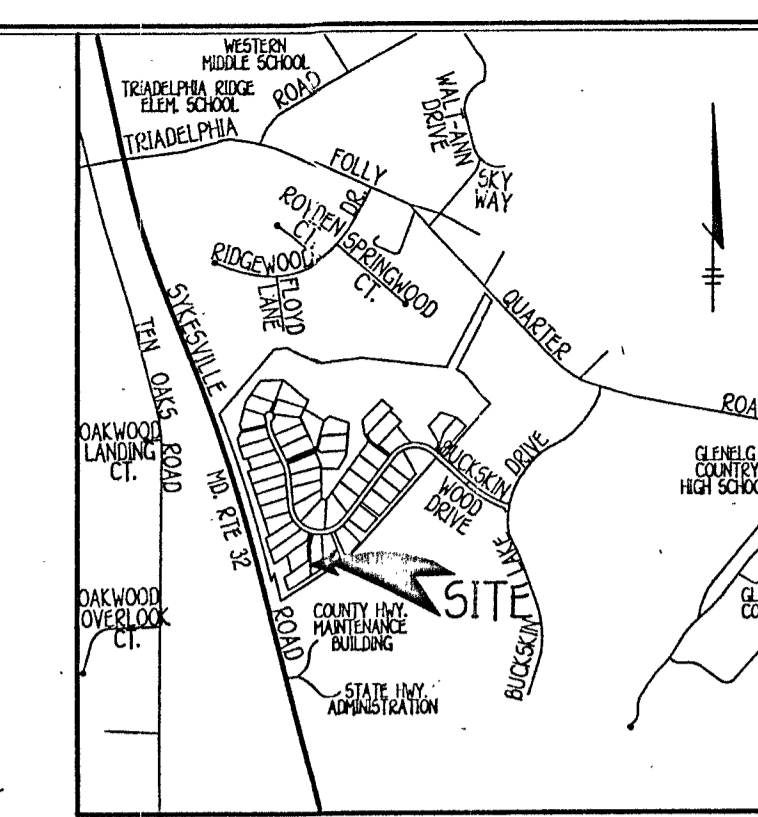
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AT GRADE INLET PROTECTION. NOT TO SCALE. Construction Specifications: 1. Lift grate and wrap with Geotextile Class E to completely cover all openings, then set grate back in place. 2. Place 3/4" to 1 1/2" stone, 4"-6" thick on the grate to secure the fabric and provide additional drainage. 3. Max. drainage area = 1/4 acre.

LEGEND

---	EXISTING CONTOUR 2' INTERVAL
- - - -	PROPOSED CONTOUR 2' INTERVAL
+362.5	SPOT ELEVATION
---	INLET PROTECTION
---	SUPER SILT FENCE
---	PROPOSED WALKOUT
---	LIMITS OF DISTURBANCE
---	EXISTING STREET TREES FROM F-01-01L
---	EXISTING PERC TEST HOLE

J. Fisher, Collins & Carter, Inc. Civil Engineering Consultants & Land Surveyors. 1072 BALTIMORE NATIONAL FREE ELLCOTT CITY, MARYLAND 21042 410-661-2250

HOWARD COUNTY SOIL CONSERVATION DISTRICT. J. Fisher, Collins & Carter, Inc. 7/14/06 DATE

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