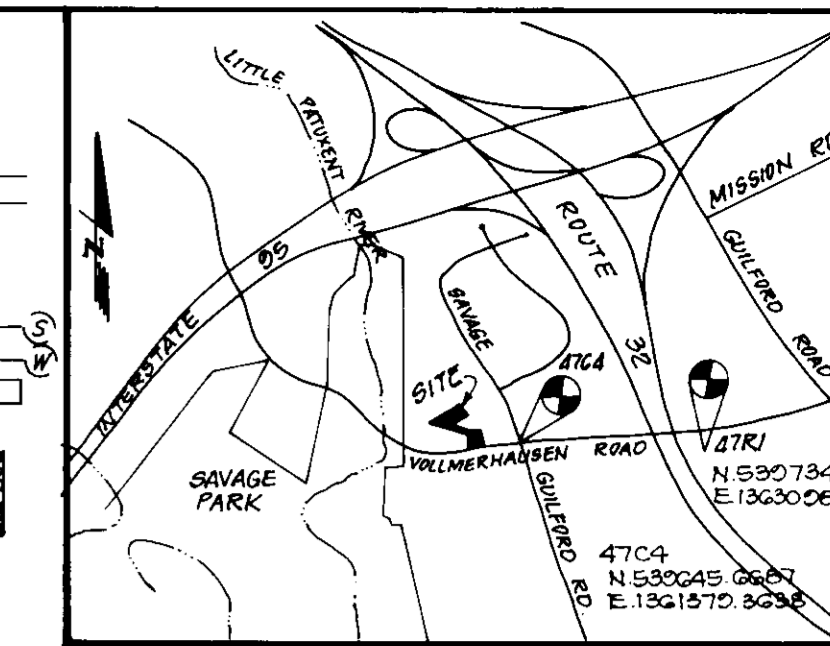
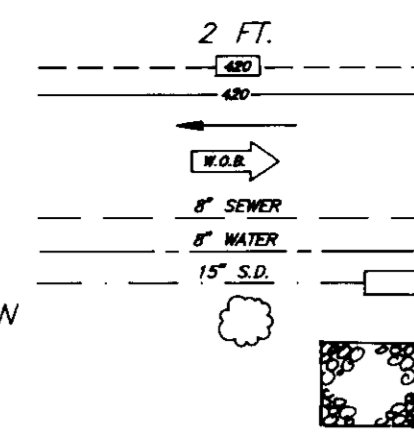


KEY	QUANTITY	PLANT NAME	SIZE	REMARKS
⊙	1G	ACER RUBRUM 'RED SUNSET' RED SUNSET MAPLE	2 1/2"-3"	B & B

LEGEND

CONTOUR INTERVAL
EXISTING CONTOUR
PROPOSED CONTOUR
DIRECTION OF DRAINAGE
WALK-OUT BASEMENT
EXISTING SEWER MAIN
EXISTING WATER MAIN
EXISTING STORM DRAIN
EXISTING TREES TO REMAIN



VICINITY MAP
Scale 1"=200'

Bench Mark #1
P.K. Nail Point N8108 - Elev. 252.20
N. 530453.807 E. 1360267.138
Bench Mark #2
P.K. Nail Point N8110 - Elev. 271.11
N. 530633.709 E. 1360277.754

GENERAL NOTES:

- Subject property is zoned: R-20 per 10-18-93 Comprehensive Zoning Plan.
- The total area included in this submission is: 52,817 sq. ft. or 1.2125 Ac. The total area of buildable lots is: 1.2125 Ac.
- The total number of lots included in this submission is: 3 The total number of buildable lots is: 3
- Improvement to property: Single Family Detached Homes
- Department of Planning and Zoning reference file numbers F-05-123 F-06-71
- Utilities shown as existing are taken from approved Water and Sewer plans Contract # 5 24-3427-D 20-150 and actual field surveys by Clark, Finefrock & Sackett, dated 8-7-96
- Any damage to county owned rights-of-way shall be corrected at the developer's expense.
- All roadways are public and existing.
- The existing topography was taken from actual field survey by Clark, Finefrock & Sackett, dated 8-7-96
- The coordinates shown herein are based upon the Howard County Geodetic Control which is based upon the Maryland State Plane Coordinate System - Howard County Control stations: 47C4 & 47K1
- The contractor shall notify the Department of Public Works/ Division of Construction Inspection at (410) 313-1880 at least twenty-four (24) hours prior to the start of work.
- The contractor shall notify "Miss Utility" at 1-800-257-7777 at least 48 hours prior to any excavation work.
- In accordance with sections 128.A.1.b and .c of the Zoning Regulations, bay windows or chimneys not more than 10 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.
- Stormwater Management is provided per drywells*
- All landscaping will be installed by the developer in conjunction with the construction plans for F-06-103.

SPECIAL NOTES:

* All downspouts to be connected to proposed drywells.
This plan is for house siting and lot grading only. Improvements shown within the rights-of-way on this S.D.P. are not to be used for construction. For construction, see approved Road Construction Plans and/or approved Water and Sewer Plans Contract # 24-3427 D and # 20-150
This plan has been prepared in accordance with the provisions of Section 10.12 of the Howard County Code and Landscape Manual. Financial surety for the required trees in the amount of \$1000.00 is part of the Builders Grading Permit Application.

MINIMUM LOT SIZE CHART

LOT #	GROSS AREA	PIPESTEM REMAINING	100' FEET RADIUS FLOODPLAIN	25% SLOPES	MINIMUM LOT SIZE
5	10,304 sq. ft.	3713 sq. ft.	15,501 sq. ft.	0	15,501 sq. ft.
6	19,519 sq. ft.	5330 sq. ft.	14,183 sq. ft.	0	14,183 sq. ft.

- The Health Dept. must certify that the existing water locks on Lot 5 have been abandoned prior to issuance of a building permit.

ADDRESS CHART

LOT NUMBER	STREET ADDRESS
4	0210 VOLLMERHAUSEN ROAD
5	0230 VOLLMERHAUSEN ROAD
6	0228 VOLLMERHAUSEN ROAD

SUBDIVISION NAME		SECTION/AREA	LOTS/PARCELS
SHANK PROPERTY			4,5 AND 6
PLAT NO.	BLOCK NO.	ZONE	TAX MAP NO.
12260	5	R-20	47
ELECTION DIST.		CENSUS TRACT	
6TH		GO02.02	
WATER CODE		SEWER CODE	
C01		G100000	

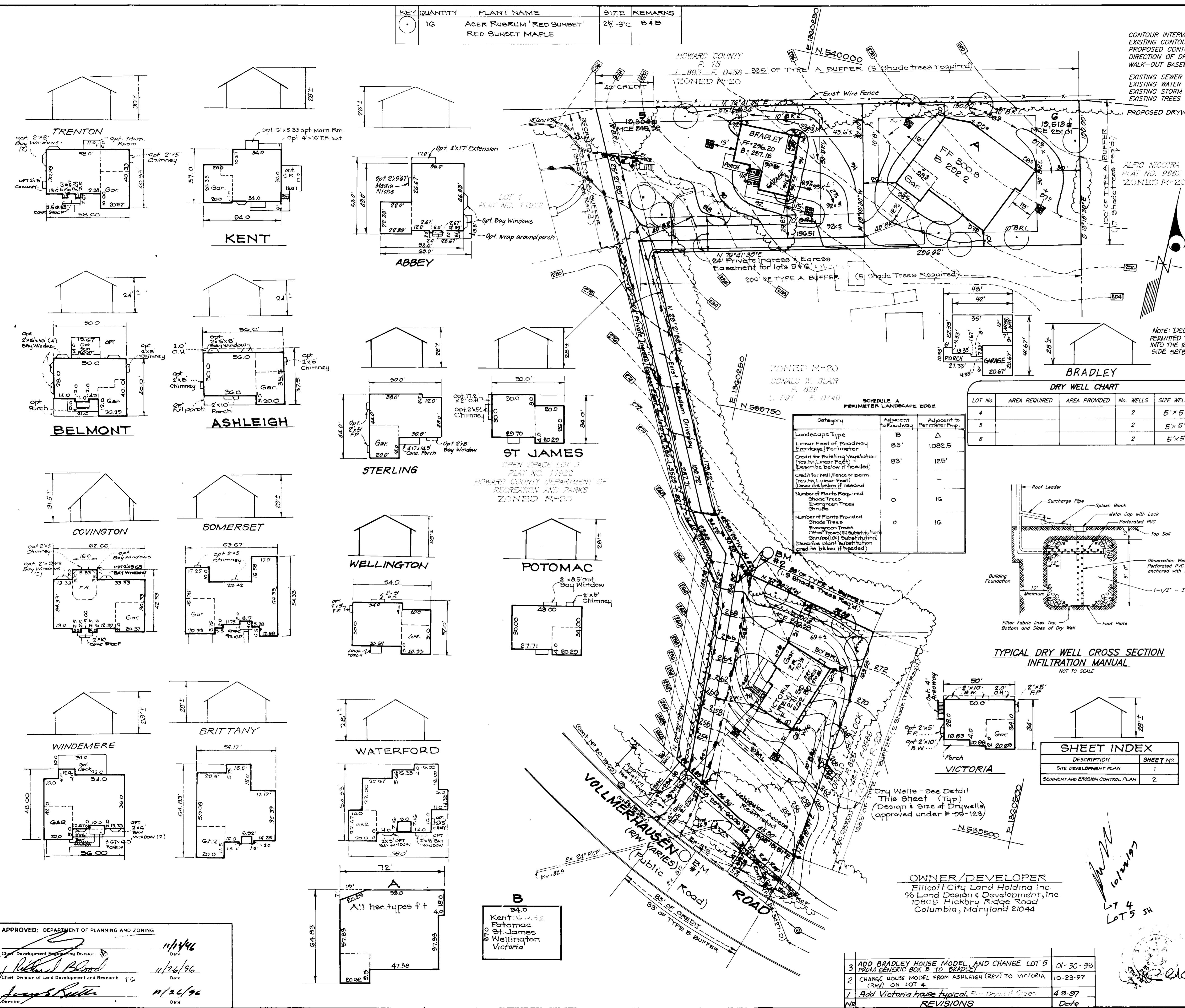
CLARK • FINEFROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS
7735 MINSTREL WAY • COLUMBIA MD 21045 • (410) 381-7500 BALTO. • (301) 621-8100 WASH.

DESIGNED JME
DRAWN ZAH/SH
CHECKED jme
DATE 10-20-96

SITE DEVELOPMENT PLAN
LOTS 4,5 AND 6
SHANK PROPERTY
SIXTH (6th) ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

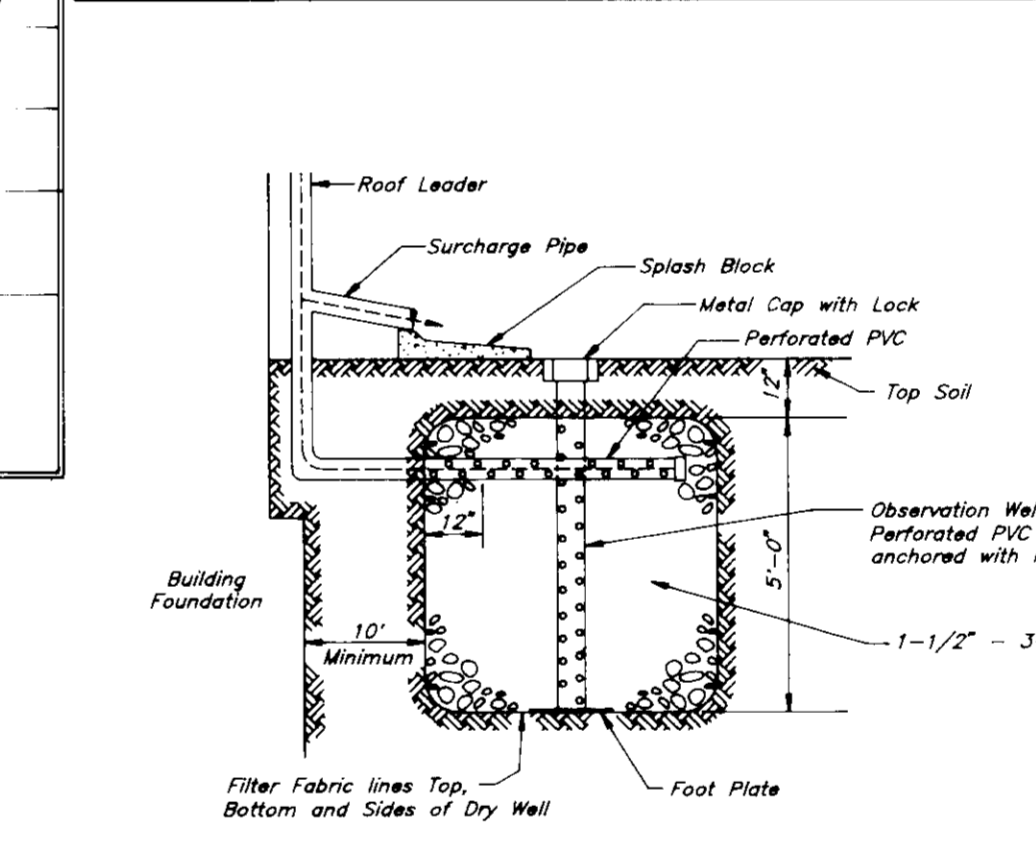
SCALE 1"=30'
DRAWING 1 of 2
JOB NO 96-141
FILE NO 96-141-X

FOR: TRINITY BUILDERS INC
6212 DEVON DRIVE
COLUMBIA, MD 21044



DRY WELL CHART

LOT No.	AREA REQUIRED	AREA PROVIDED	No. WELLS	SIZE WELLS
4			2	5' x 5'
5			2	5' x 5'
6			2	5' x 5'



TYPICAL DRY WELL CROSS SECTION INFILTRATION MANUAL
NOT TO SCALE

SHEET INDEX

DESCRIPTION	SHEET NO.
SITE DEVELOPMENT PLAN	1
SEDIMENT AND EROSION CONTROL PLAN	2

OWNER/DEVELOPER
Ellicott City Land Holding Inc
% Land Design & Development, Inc
10805 Hickory Ridge Road
Columbia, Maryland 21044

REVISIONS

No.	Description	Date
3	ADD BRADLEY HOUSE MODEL AND CHANGE LOT 5 FROM GENERIC BOX B TO BRADLEY	01-30-98
2	CHANGE HOUSE MODEL FROM ASHLEIGH (REV) TO VICTORIA (REV) ON LOT 4	10-23-97
1	Add Victoria house typical, See Drywell Order	4-9-97

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Chief Development Engineering Division
Richard Blood
11/26/96

Chief Division of Land Development and Research
Joseph S. Rutter
11/26/96

21.0 STANDARD AND SPECIFICATIONS FOR TOPSOIL

Definition

Placement of topsoil over a prepared subsoil prior to establishment of permanent vegetation.

Purpose

To provide a suitable soil medium for vegetable growth. Soils of concern have low moisture content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptable soil gradation.

Conditions Where Practice Applies

- This practice is limited to areas having 2:1 or flatter slopes where:
 - The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.
 - The soil material is so shallow that the rooting zone is not deep enough to support plants or furnish continuing supplies of moisture and plant nutrients.
 - The original soil to be vegetated contains material toxic to plant growth.
 - The soil is so acidic that treatment with limestone is not feasible.

ii. For the purpose of these Standards and Specifications, areas having slopes steeper than 2:1 require special consideration and design for adequate stabilization. Areas having slopes steeper than 2:1 shall have the appropriate stabilization shown on the plans.

Construction and Material Specifications

i. Topsoil salvaged from the existing site may be used provided that it meets the standards set forth in these specifications. Typically, the depth of topsoil to be salvaged for a given soil type can be found in the representative soil profile section in the Soil Survey published by USDA-SSS in cooperation with Maryland Agricultural Experimental Station.

ii. Topsoil Specifications - Soil to be used as topsoil must meet the following:

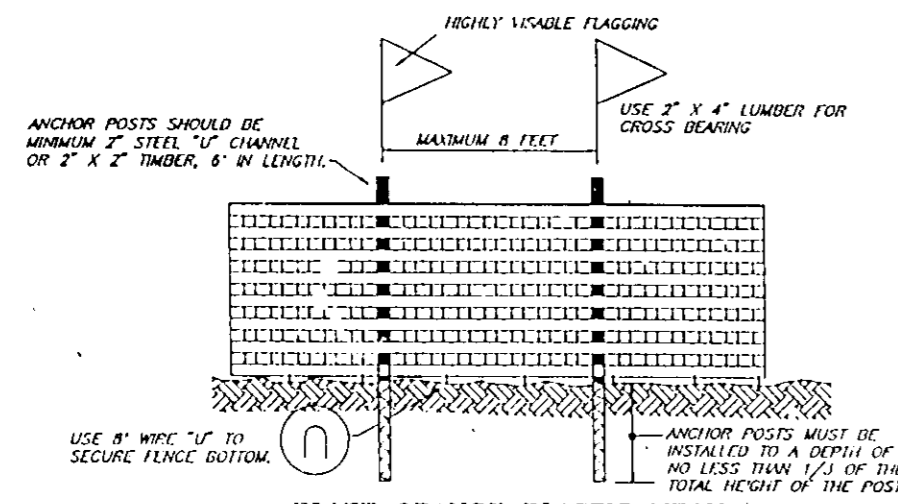
- Topsoil shall be a loam, sandy loam, clay loam, silt loam, sandy silt loam, loamy sand. Other soils may be used if recommended by an agronomist or a soil scientist and approved by the appropriate approval authority. Regardless, topsoil shall not be a mixture of contrasting textured subsoils and shall contain less than 5% by volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots, twigs, or other materials larger than 1" and 1/2" in diameter.
- Topsoil must be free of plants or plant parts such as Bermuda grass, quackgrass, Johnsongrass, nutsedge, poison ivy, thistle, or others as specified.
- Where the subsoil 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 1,000 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.

iii. For sites having disturbed areas under 5 acres:

- Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section I - Vegetative Stabilization Methods and Materials.

Topsoil Application

- When topsoiling, maintain needed erosion and sediment control practices such as diversions, Grade Stabilization Structures, Earth Dikes, Slope Soil Fence and Sediment Traps and Basins.
- Grades on the areas to be topsoiled, which have been previously established, shall be maintained, about 4" - 8" higher in elevation.
- Topsoil shall be uniformly distributed in a 4" - 8" layer and lightly compacted to a minimum thickness of 4". Spreading shall be performed in such a manner that sodding or seeding can proceed with a minimum of additional soil preparation and tillage. Any irregularities in the surface resulting from topsoiling or other operations shall be corrected in order to prevent the formation of depressions or water pockets.
- Topsoil shall not be placed while the topsoil or subsoil is in a frozen or muddy condition, when the subsoil is excessively wet or in a condition that may otherwise be detrimental to proper grading and seeded preparation.

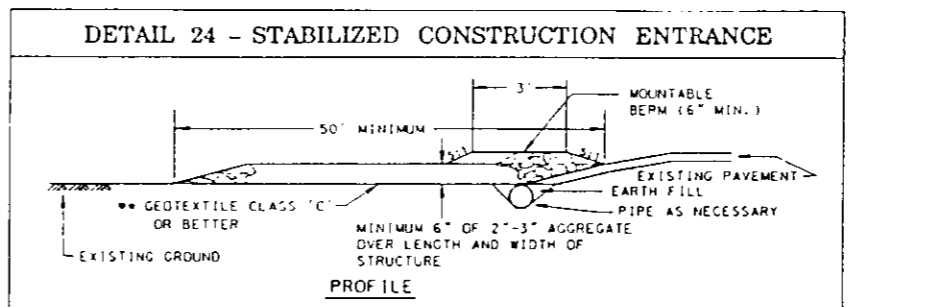
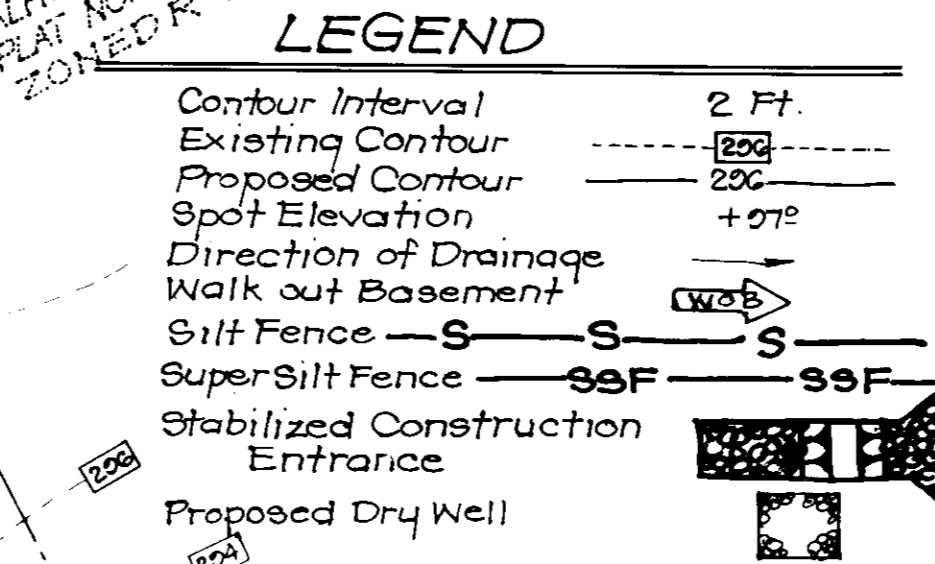
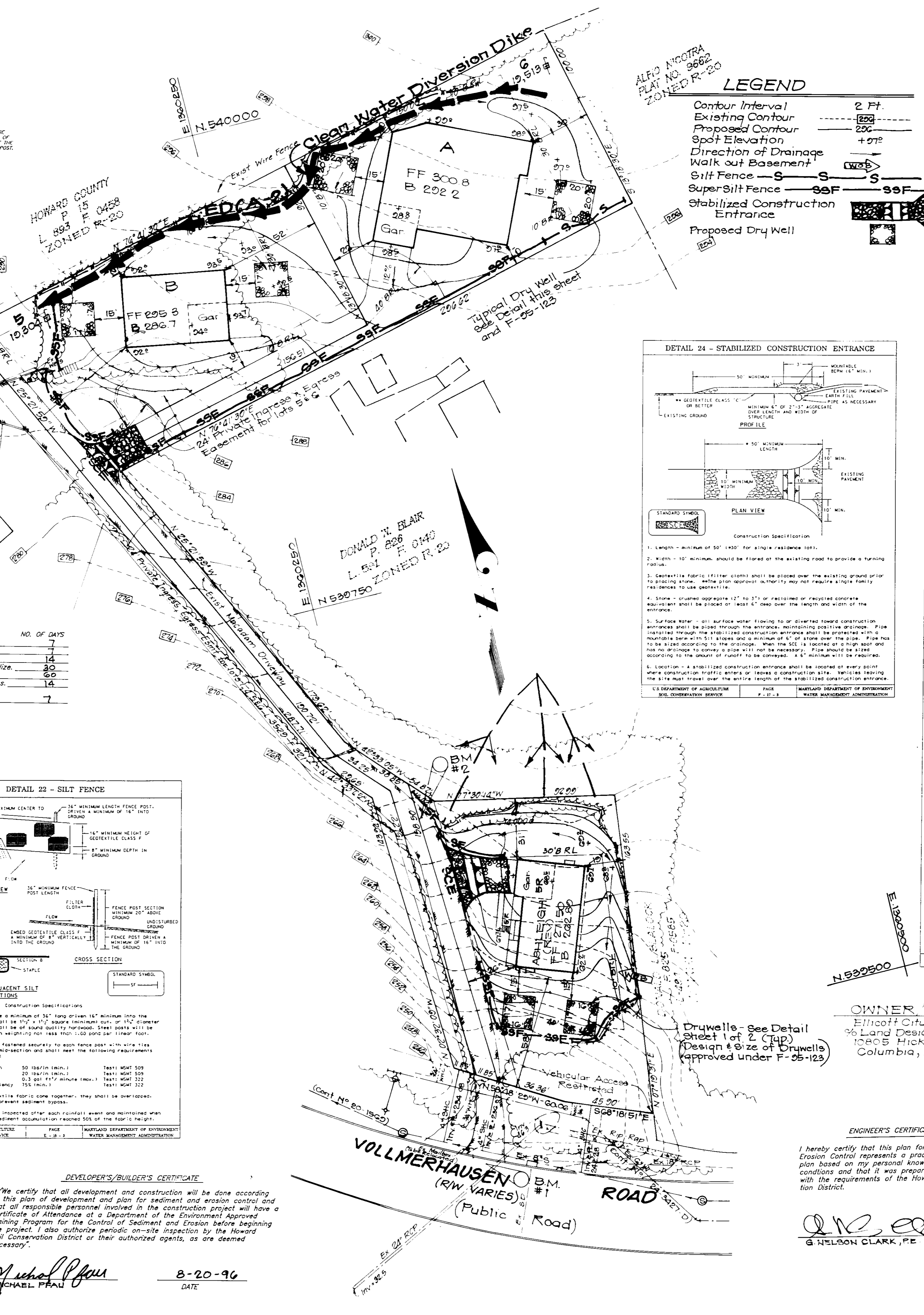


BLAZE ORANGE PLASTIC MESH TYPICAL TREE PROTECTION FENCE DETAIL

- NOTES:
- Forest protection device only.
 - Relation area will be set as part of the review process.
 - Boundaries of relation area should be staked and flagged prior to installing device.
 - Root damage should be avoided.
 - Protection signage may also be used.
 - Device should be maintained throughout construction.

CONSTRUCTION SEQUENCE:

NO. OF DAYS	DESCRIPTION
1	Obtain grading permit.
2	Install tree protection fence.
3	Install sediment and erosion control devices and stabilize.
4	Excavate for foundations, rough grade and temporarily stabilize.
5	Construct structures, sidewalks and driveways.
6	Final grade and stabilize in accordance with Stds. and Specs.
7	Upon approval of the sediment control inspector, remove sediment and erosion control devices and stabilize.



1. Length - minimum of 50' 100' for slope stabilization only.

2. Width - 10' minimum should be provided at the existing road to provide a turning radius.

3. Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. After prior approval authority may require a slight earthy resistance to use geotextile.

4. Stone - crushed aggregate 1/2" to 1" or recycled or recycled concrete equivalent shall be placed or least 6" deep over the length and width of the entrance.

5. Surface water - all surface water flowing to or diverted toward construction entrances shall be placed through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a suitable base with 1:1 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 lower, a pipe will not be necessary. Flow should be sized according to the amount of runoff to be conveyed. A 5' minimum will be required.

6. 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.

PERMANENT SEEDING NOTES

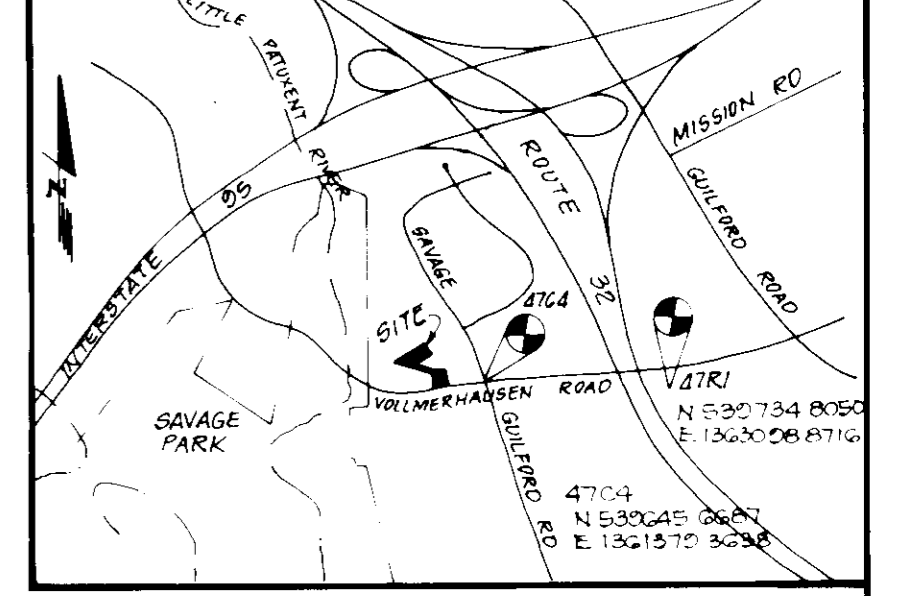
APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

SOIL AMENDMENTS: In lieu of soil test recommendations, use one of the following schedules:

- Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs./100 sq.ft.) and 600 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq.ft.) before seeding. Narrow or disc into upper three inches of soil. At the time of seeding, apply 400 lbs. per acre 30-0-0 ureaform fertilizer (8 lbs./1000 sq.ft.).
- Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq.ft.) and apply 1000 lbs. per acre 10-10-10 fertilizer (23 lbs./1000 sq.ft.) before seeding. Narrow or disc into upper three inches of soil.

SEEDING: For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs. per acre (1.4 lbs./1000 sq.ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs. Kentucky 31 Tall Fescue per acre and 2 lbs. per acre (0.5 lbs./1000 sq.ft.) of weeping lovegrass. During the period of October 16 thru February 28, protect site by applying 2 tons per acre well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use soil. Option (3) Seed with 60 lbs./acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.



TEMPORARY SEEDING NOTES

SEEDBED PREPARATION: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

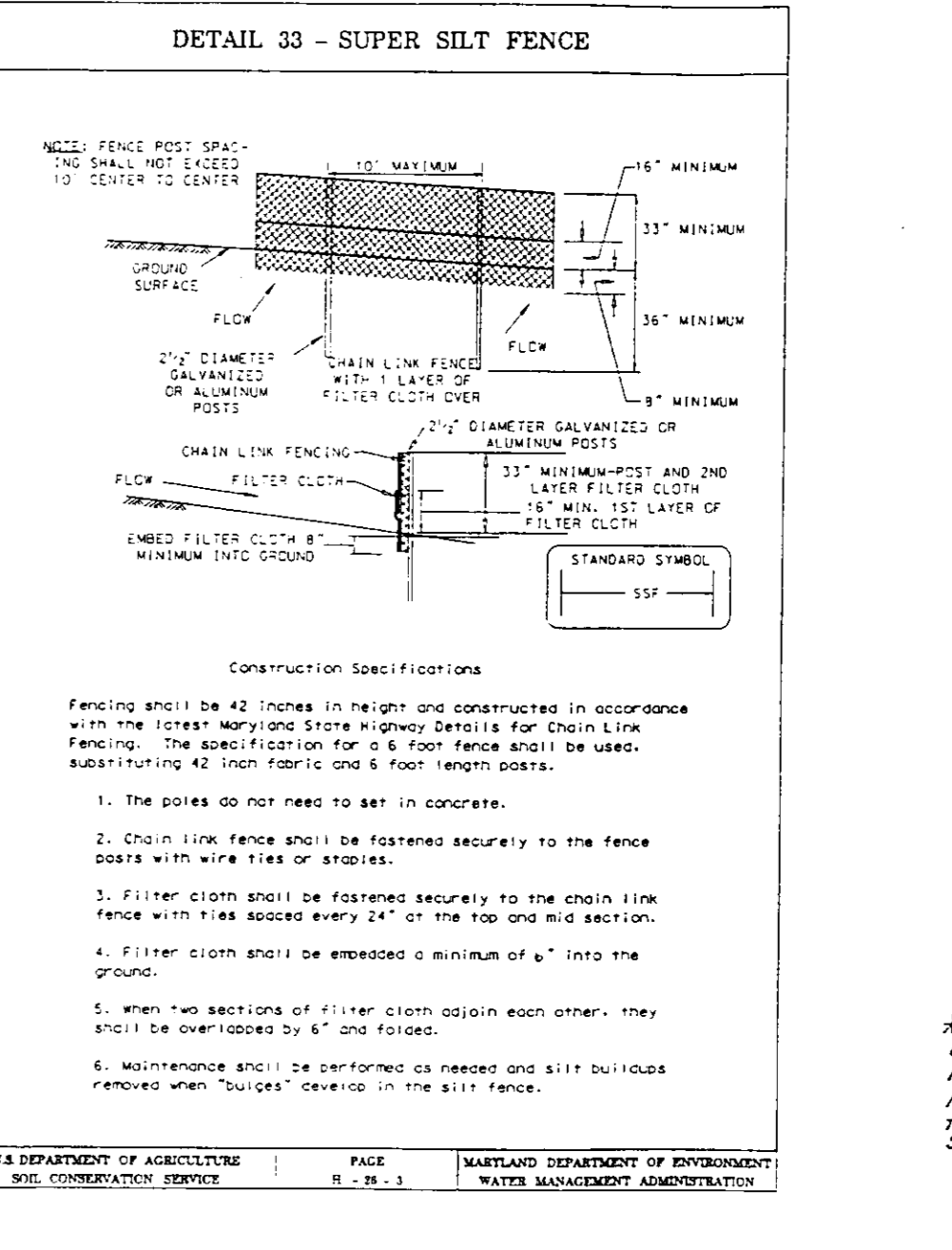
SOIL AMENDMENTS: Apply 600 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq.ft.).

SEEDING: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 1/2 bushel per acre of annual ryegrass (3.2 lbs./1000 sq.ft.). For the period May 1 thru August 14, seed with 3 lbs. per acre of weeping lovegrass (0.7 lbs./1000 sq.ft.). For the period November 1 thru February 28, protect site by applying 2 tons per acre well anchored straw mulch and seed as soon as possible in the spring, or use sod.

MULCHING: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq.ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq.ft.) of emulsified asphalt on flat areas (5 gal/1000 sq.ft.) or higher, use 348 gallons per acre (8 gal/1000 sq.ft.) for anchoring.

MULCHING: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq.ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq.ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq.ft.) for anchoring.

REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.



1. Surface water - all surface water flowing to or diverted toward construction entrances shall be placed through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a suitable base with 1:1 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 lower, a pipe will not be necessary. Flow should be sized according to the amount of runoff to be conveyed. A 5' minimum will be required.

2. 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.

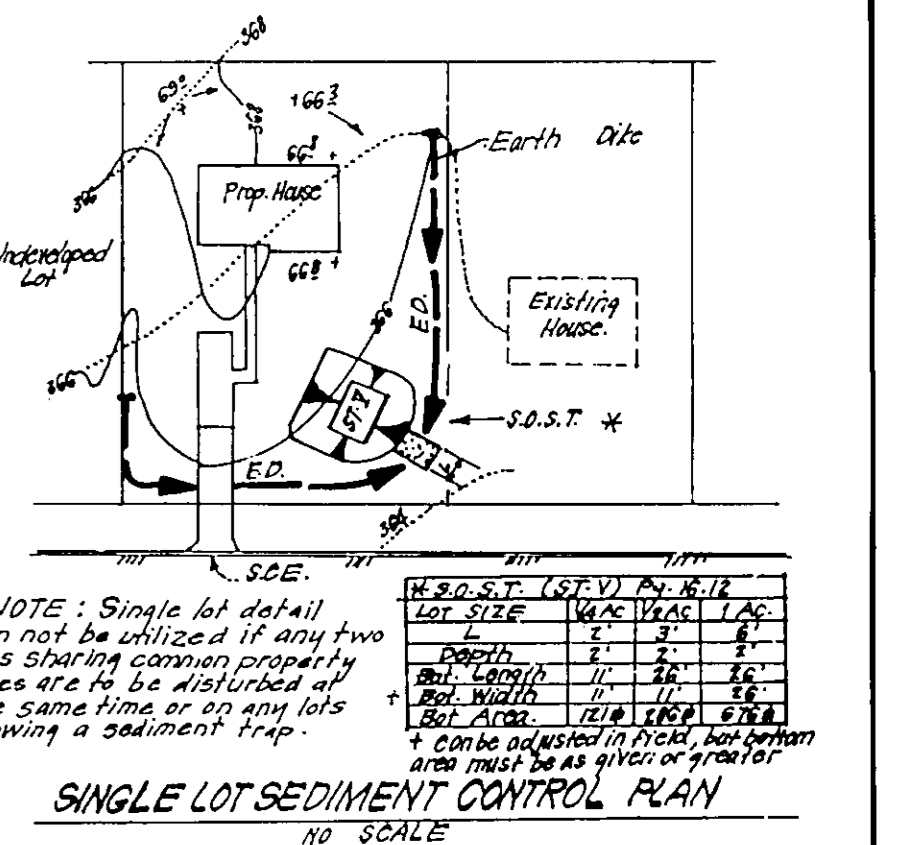
SEDIMENT AND EROSION CONTROL NOTES

- A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction (11.1-18.5).
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1994 MARYLAND STANDARDS AND SPECS. FOR SOIL EROSION AND SEDIMENT CONTROL.
- Following initial soil disturbance or disturbance, permanent or temporary stabilization shall be completed within:
 - 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1
 - 14 days as to all other disturbed or graded areas on the project site.
- All sediment traps/basins shown must be fenced and warning signs placed around their perimeters 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 seedings, sod, temporary seedings and mulching (Sec. 9-20.1 thru 9-23.3). 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.
7. SITE ANALYSIS:

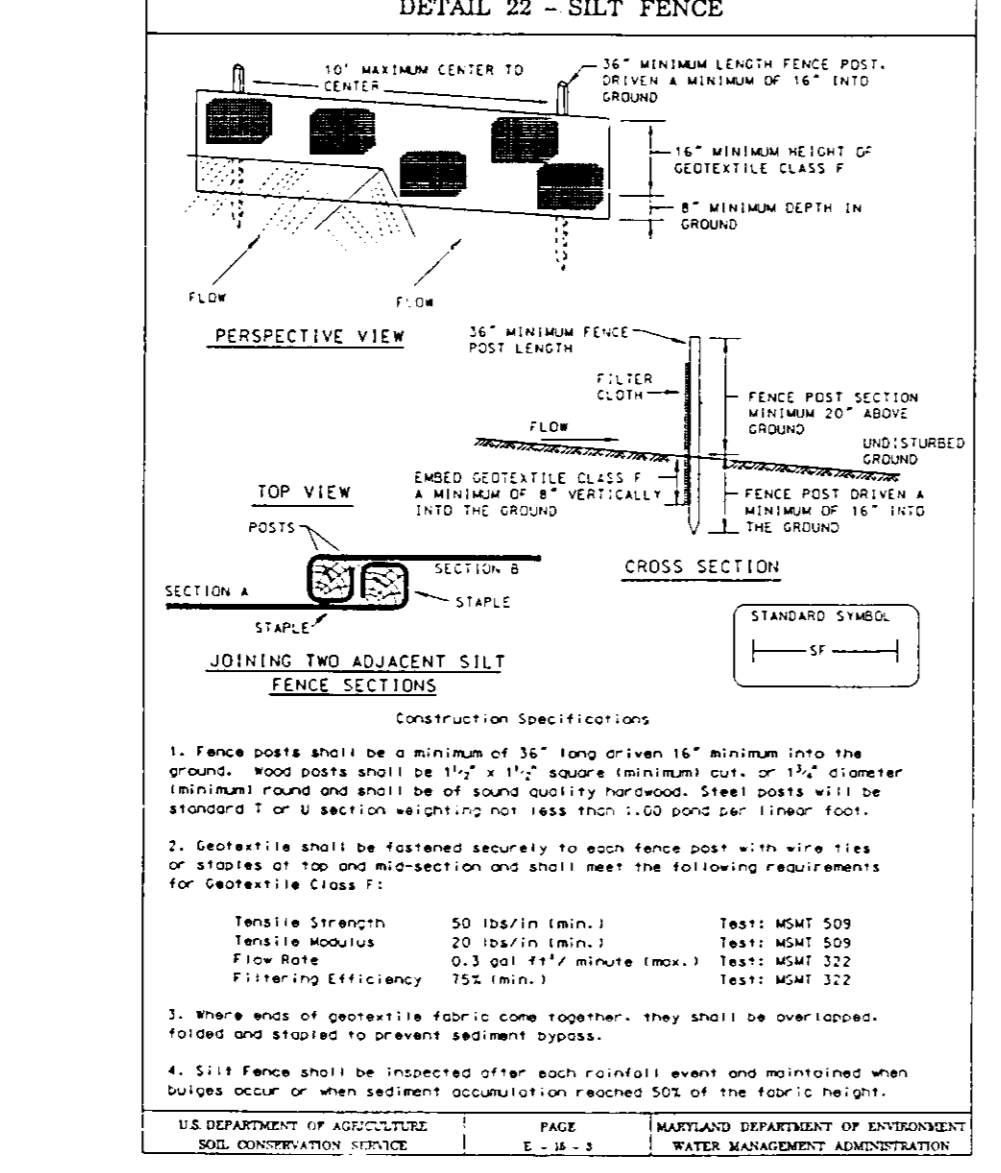
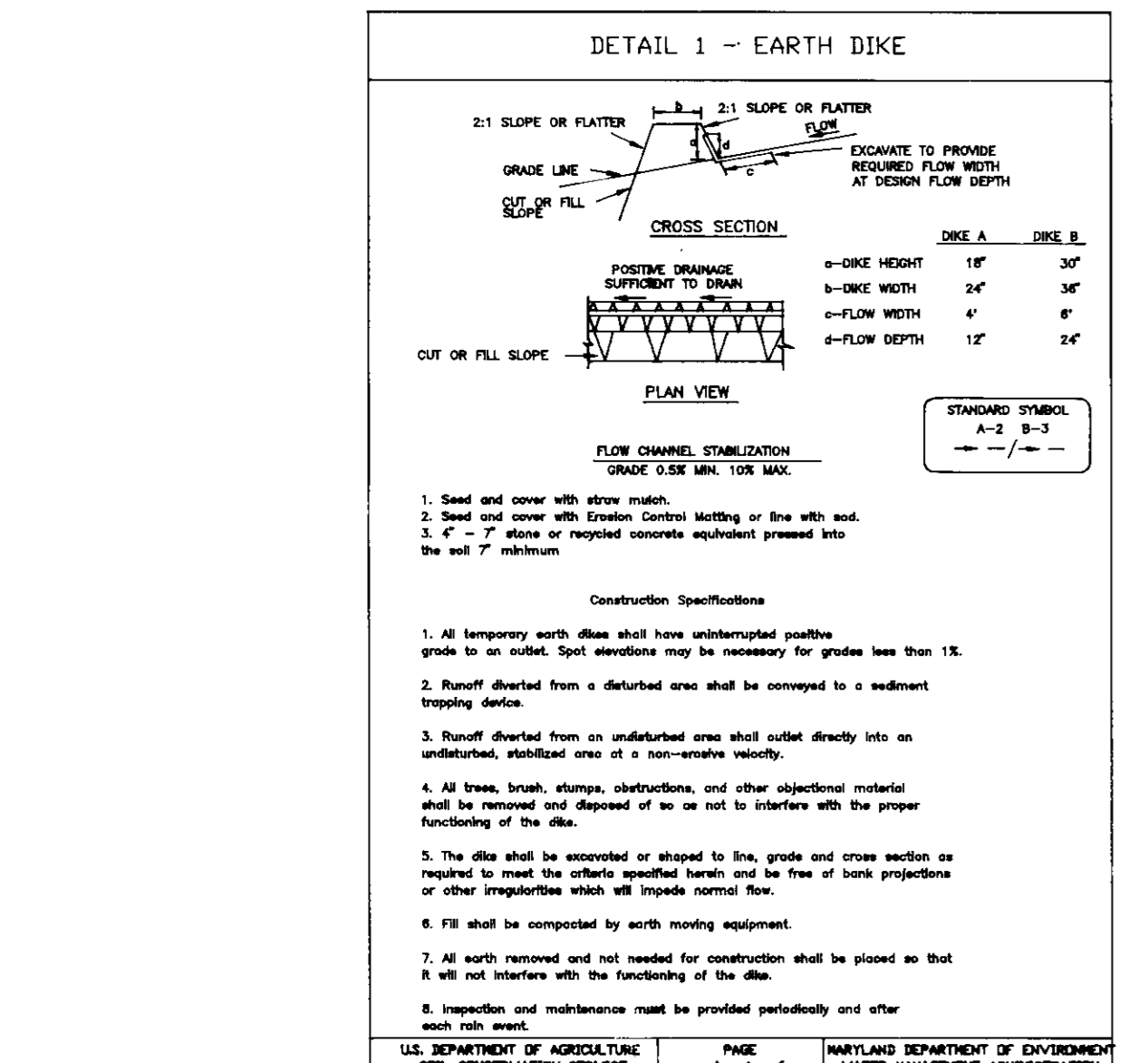
Total Area of Site:	121.26 Ac.
Area to be graded or paved:	0.92 Ac.
Area to be vegetatively stabilized:	120.34 Ac.
Total Cut:	1286.54 cu ft.
Total Fill:	1088.64 cu ft.

 Offsite Waste/Borrow 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 control 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.
- The total amount of silt fence = **108 L.F.**
 - "Super Silt Fence = **45 L.F.**

* It is the responsibility of the contractor to identify the spoil/borrow site and notify and gain approval from the sediment control inspector of the site and it's grading permit number at the time of construction.



SINGLE LOT SEDIMENT CONTROL PLAN



APPROVED: DEPARTMENT OF PLANNING AND ZONING

1/13/96 Date

1/26/96 Date

1/26/96 Date

DEVELOPER'S/BUILDER'S CERTIFICATE

I/We certify that all development and construction will be done according to this plan of development and plan for sediment and erosion control and that all 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 beginning the project. I/We also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary.

Michael Pfau DATE 8-20-96

OWNER/DEVELOPER

Ellisoff City Land Holdings Inc
 96 Land Division Development, Inc
 10100 S. Hickory Rd., Rockville, MD 20850
 Columbia, Maryland 21044

ENGINEER'S CERTIFICATE

I hereby certify that this plan for Sediment and Erosion Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

G. NELSON CLARK, P.E. DATE 8-20-96

DESIGNED	KJWM	DATE	8-20-96
DRAWN	ZAH/TH	DATE	8-20-96
CHECKED	KJM	DATE	8-20-96
DATE	10-30-96		

CLARK • FINEPROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS

7135 MINSTREL WAY • COLUMBIA MD 21045 • (410) 381-7500 (301) 621-8100 WASH.

SEDIMENT AND EROSION CONTROL PLAN

LOTS 4, 5 AND 6

SHANK PROPERTY

SIXTH (6th) ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

FOR TRINITY BUILDERS INC
 6212 DEVON DRIVE
 COLUMBIA, MD 21044

21.0 STANDARD AND SPECIFICATIONS FOR TOPSOIL

Definition

Placement of topsoil over a prepared subsoil prior to establishment of permanent vegetation.

Purpose

To provide a suitable soil medium for vegetable growth. Soils of concern have low moisture content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptable soil gradation.

Conditions Where Practice Applies

This practice is limited to areas having 2:1 or flatter slopes where:

- a. The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.
b. The soil material is so shallow that the rooting zone is not deep enough to support plants or furnish containing supplies of moisture and plant nutrients.
c. The original soil to be vegetated contains material toxic to plant growth.
d. The soil is so acidic that treatment with limestone is not feasible.

For the purpose of these Standards and Specifications, areas having slopes steeper than 2:1 require special consideration and design for adequate stabilization. Areas having slopes steeper than 2:1 shall have the appropriate stabilization shown on the plan.

Construction and Material Specifications

1. Topsoil salvaged from the existing site may be used provided that it meets the standards as set forth in these specifications. Typically, the depth of topsoil to be salvaged for a given soil type can be found in the representative soil profile section in the Soil Survey published by USDA-SCS in cooperation with Maryland Agricultural Experiment Station.

2. Topsoil Specifications - Soil to be used as topsoil must meet the following:

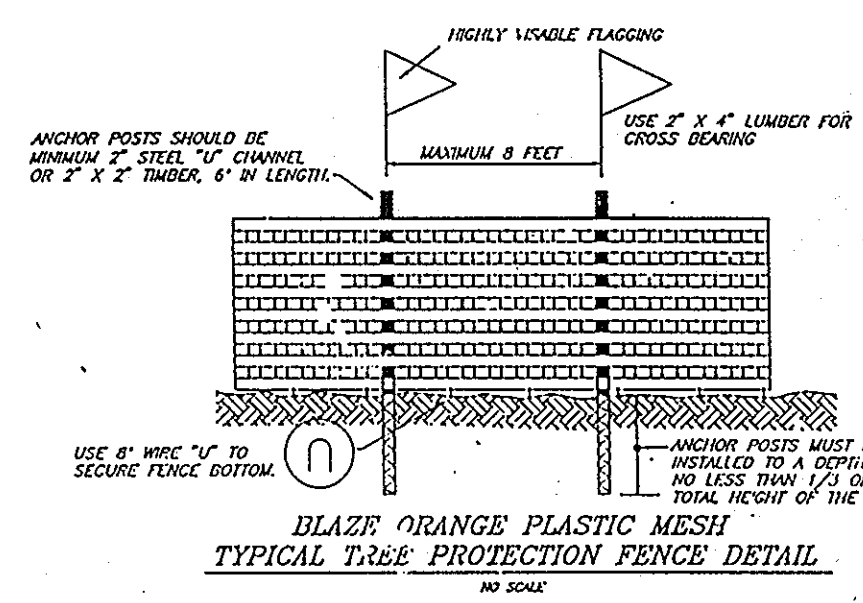
- i. Topsoil shall be a loam, sandy loam, clay loam, silt loam, sandy clay loam, loamy sand, or silty loam as defined in the Soil Survey. Other soils may be used if recommended by an agronomist or a soil scientist and approved by the appropriate approval authority.
ii. Topsoil must be free of plants or plant parts such as Bermuda grass, quackgrass, Johnsongrass, nutgrass, poison ivy, thistle, or others as specified.
iii. Where the subsoil 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 1,000 square feet) prior to the placement of topsoil.

For sites having disturbed areas under 5 acres:

- i. Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section 1 - Vegetative Stabilization Methods and Materials.

Topsoil Application

- i. When topsoiling, maintain needed erosion and sediment control practices such as Diversion, Grade Stabilization Structures, Earth Dikes, Slope Silt Fence and Sediment Traps and Basins.
ii. Grades on the areas to be topsoiled, which have been previously established, shall be maintained, albeit 4" - 8" higher in elevation.
iii. Topsoil shall be uniformly distributed in a 4" - 8" layer and lightly compacted to a minimum thickness of 4". Spreading shall be performed in such a manner that sodding or seeding can proceed with a minimum of additional soil preparation and tillage.
iv. Topsoil shall not be placed while the topsoil or subsoil is in a frozen or muddy condition, when the subsoil is excessively wet or in a condition that may otherwise be detrimental to proper grading and seeded preparation.

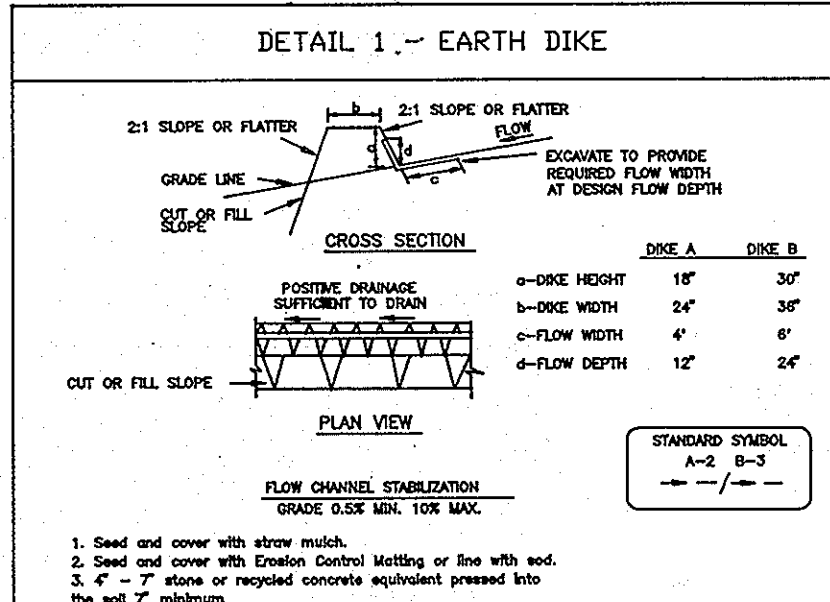


BLAZER ORANGE PLASTIC MESH TYPICAL TREE PROTECTION FENCE DETAIL

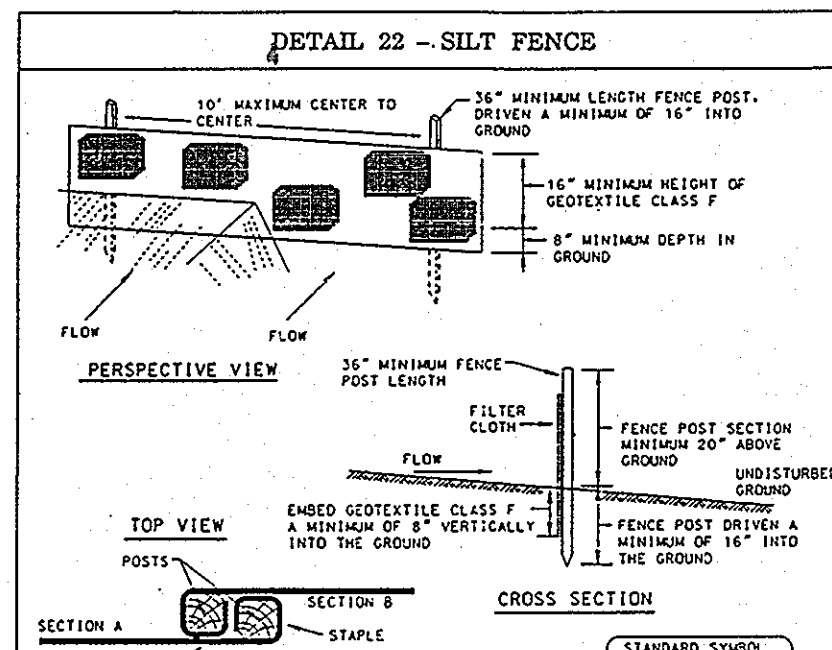
- NOTES: 1. Forest protection device only. 2. Definition area will be set as part of the review process. 3. Downstream of retention area should be staked and flagged prior to installing device. 4. Root damage should be avoided. 5. Protection signs may also be used. 6. Device should be maintained throughout construction.

CONSTRUCTION SEQUENCE

Table with 2 columns: NO. OF DAYS, and a list of construction tasks from 1 to 7.



Construction Specifications: 1. All temporary earth dikes shall have undisturbed positive grade to an outlet. Spot elevations may be graded less than 1%. 2. Runoff diverted from a disturbed area shall be conveyed to a sediment trap. 3. Runoff diverted from an undisturbed area shall outlet directly into an undisturbed, stabilized area at a non-erosive velocity.



Construction Specifications: 1. Fence posts shall be a minimum of 3/4" long driven 16" minimum into the ground. Wood posts shall be 1 1/2" x 1 1/2" square minimum size or 1 1/2" diameter (minimum round) and shall be of sound quality hardwood. Steel posts will be standard 1/2" x 1/2" section galvanized steel with 1/4" diameter hole.

Reviewed for HOWARD S.C.D. and meets Technical Requirements. Signature: Michael Pfeiffer, Date: 11/16/96

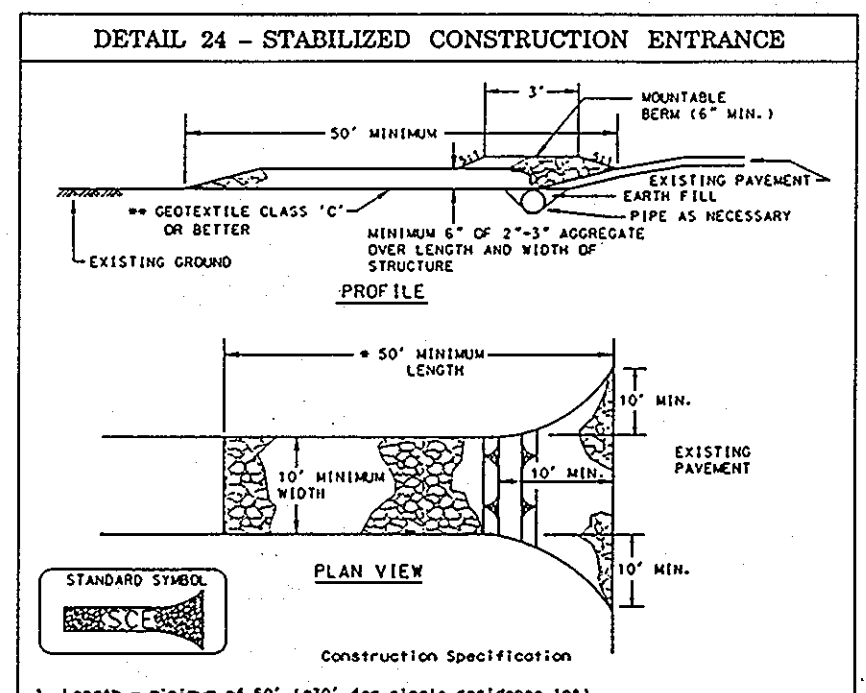
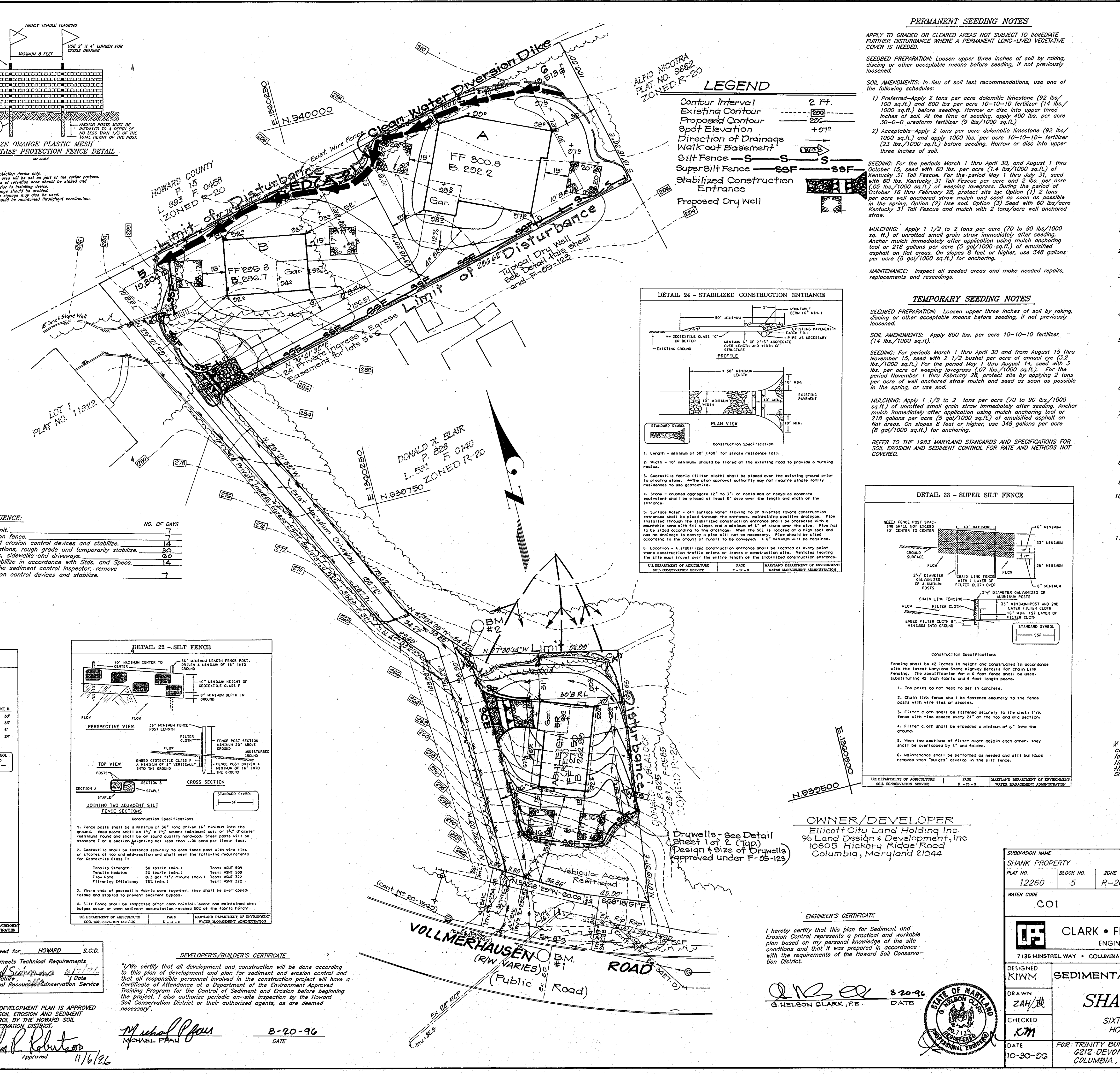
DEVELOPER'S/BUILDER'S CERTIFICATE: I hereby certify that all development and construction will be done according to this plan of development and plan for sediment and erosion control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project.

Signature: Michael Pfeiffer, Date: 8-20-96

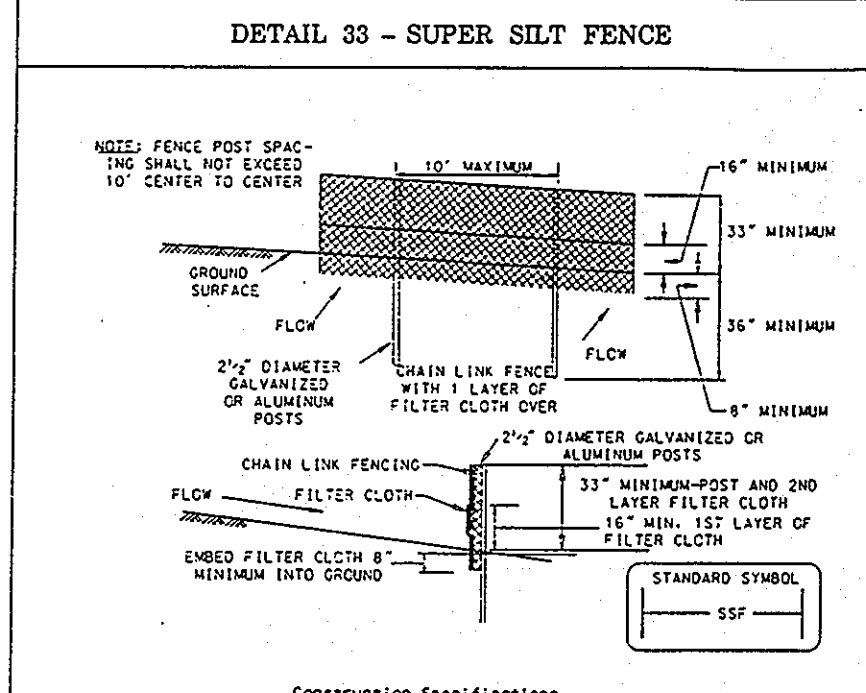
APPROVED: DEPARTMENT OF PLANNING AND ZONING. Chief, Development Engineering Division: Robert Blood, Date: 11/13/96. Chief, Division of Land Development and Research: [Signature], Date: 11/26/96. Director: [Signature], Date: 11/26/96.

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT. Signature: [Signature], Date: 11/16/96.

SDP 97-19



Construction Specifications: 1. Length - minimum of 50' (+30' for single residence lots). 2. Width - 10' minimum, should be flared at the existing road to provide a turning radius. 3. Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone.



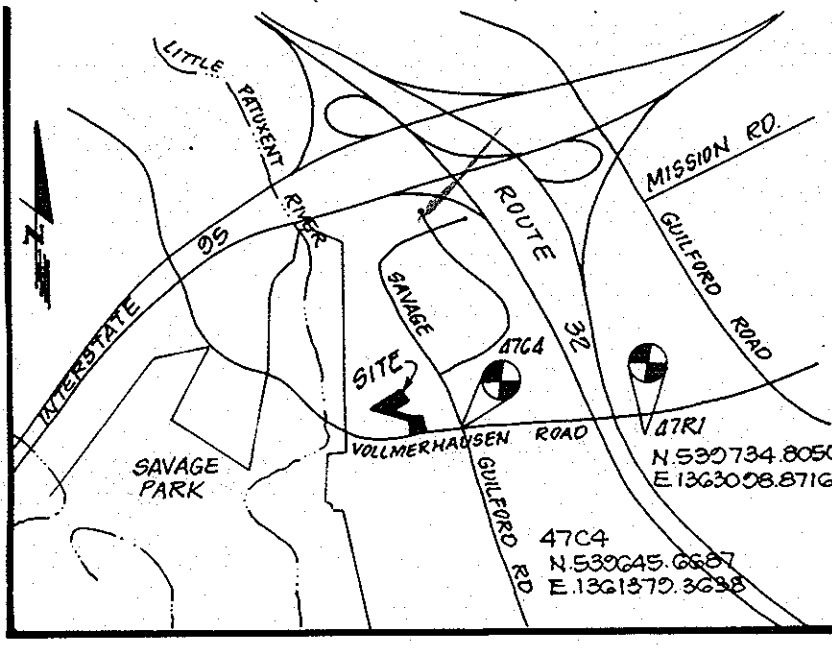
Construction Specifications: 1. The posts do not need to be set in concrete. 2. Chain link fence shall be fastened securely to the fence posts with wire ties or fasteners. 3. Filter cloth shall be fastened securely to the chain link fence with files spaced every 24" of the top and mid section.

OWNER/DEVELOPER: Ellicott City Land Holding Inc. % Land Design & Development, Inc. 10805 Hickory Ridge Road, Columbia, Maryland 21044

ENGINEER'S CERTIFICATE: I hereby certify that this plan for Sediment and Erosion Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District. Signature: G. Nelson Clark, P.E., Date: 8-20-96.

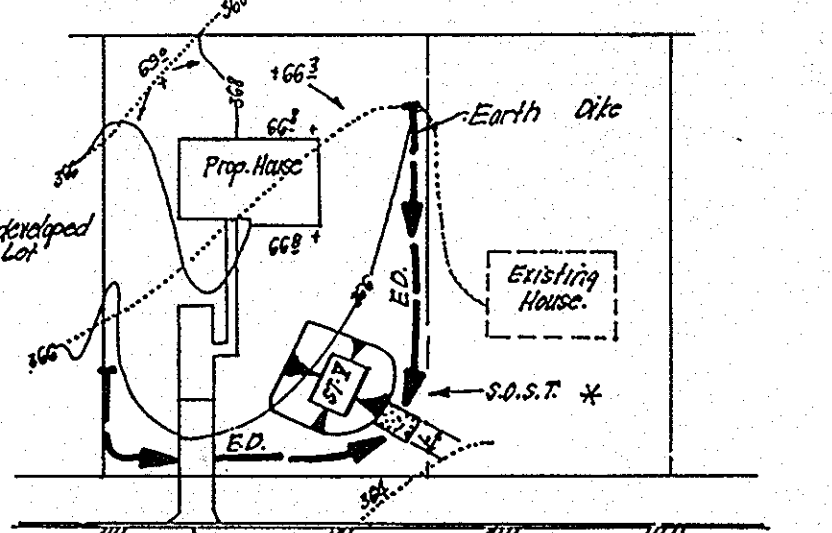


Table with columns: SUBMISSION NAME, SECTION/AREA, LOTS/PARCELS, PLAT NO., BLOCK NO., ZONE, TAX MAP NO., ELECTION DIST., GENUS TRACT, WATER CODE, SEWER CODE. Includes project details for SHANK PROPERTY and contact information for CLARK • FINEROCK & SACKETT, INC.



SEDIMENT AND EROSION CONTROL NOTES

- 1. A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction.
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 1994 MARYLAND STANDARDS AND SPECS. FOR SOIL EROSION AND SEDIMENT CONTROL.
3. Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1; b) 14 days for all other disturbed or graded areas on the project site.

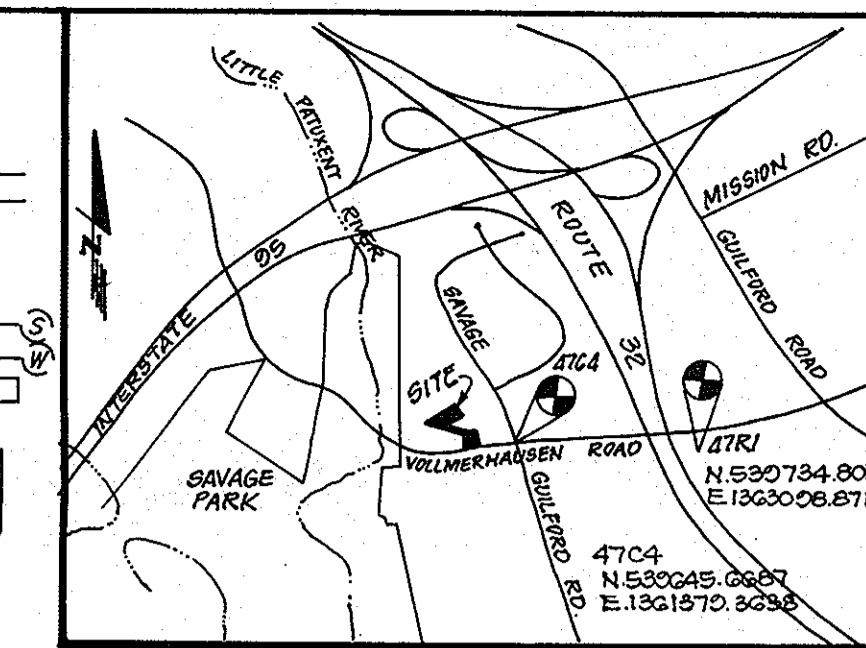
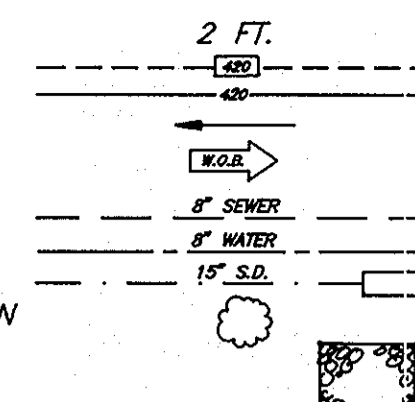


* NOTE: Single lot detail can not be utilized if any two lots sharing common property lines are to be disturbed at the same time or on any lots showing a sediment trap.

KEY	QUANTITY	PLANT NAME	SIZE	REMARKS
⊙	1G	ACER RUBRUM 'RED SUNSET' RED SUNSET MAPLE	2 1/2" - 3"	B & B

LEGEND

CONTOUR INTERVAL
EXISTING CONTOUR
PROPOSED CONTOUR
DIRECTION OF DRAINAGE
WALK-OUT BASEMENT
EXISTING SEWER MAIN
EXISTING WATER MAIN
EXISTING STORM DRAIN
EXISTING TREES TO REMAIN



Bench Mark #1
PK. Nail Point No. 108 - Elev. 252.20
N. 530458.807 E. 1202067.138
Bench Mark #2
PK. Nail Point No. 110 - Elev. 271.11
N. 530635.120 E. 1202077.754

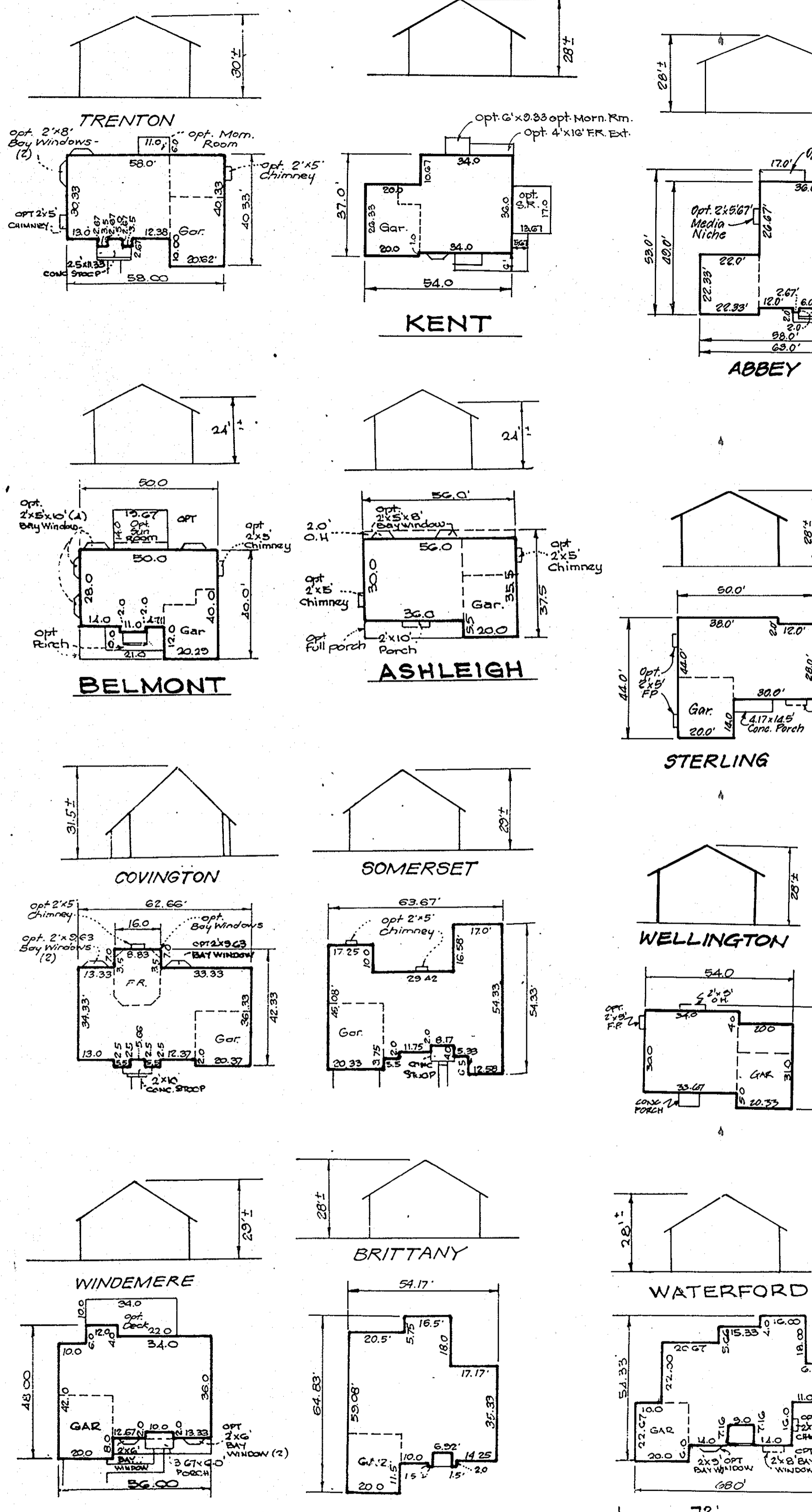
GENERAL NOTES:

- Subject property is zoned: R-20 per 10-18-93 Comprehensive Zoning Plan.
- The total area included in this submission is: 52,817 sq. ft. or 1.2125 Ac. The total area of buildable lots is: 1,2125 Ac.
- The total number of lots included in this submission is: 3 The total number of buildable lots is: 3
- Improvement to property: Single Family Detached Homes
- Department of Planning and Zoning reference file numbers F-95-123 F-95-71
- Utilities shown as existing are taken from approved Water and Sewer plans Contract # 24-3427-D & 20-1500 and actual field surveys by Clark, Finetrock and Sackett, dated 8-7-96
- Any damage to county owned rights-of-way shall be corrected at the developer's expense.
- All roadways are public and existing.
- The existing topography was taken from actual field survey by Clark, Finetrock & Sackett, dated 8-7-96.
- The coordinates shown hereon are based upon the Howard County Geodetic Control which is based upon the Maryland State Plane Coordinate System - Howard County Control stations: 47C4 & 47R1
- The contractor shall notify the Department of Public Works/Division of Construction Inspection at (410) 313-1880 at least twenty-four (24) hours prior to the start of work.
- The contractor shall notify "Miss Utility" at 1-800-257-7777 at least 48 hours prior to any excavation work.

SPECIAL NOTES:

This plan is for house siting and lot grading only. Improvements shown within the rights-of-way on this S.D.P. are not to be used for construction. For construction, see approved Road-Construction Plans - end-of-approved Water and Sewer Plans Contract # 24-3427 D and # 20-1500

17. The Health Dept. must certify that the existing water wells on Lot 5 have been abandoned prior to issuance of a building permit.



ST JAMES
OPEN SPACE LOT 3
PLAT NO. 11922
HOWARD COUNTY DEPARTMENT OF RECREATION AND PARKS
ZONED R-20

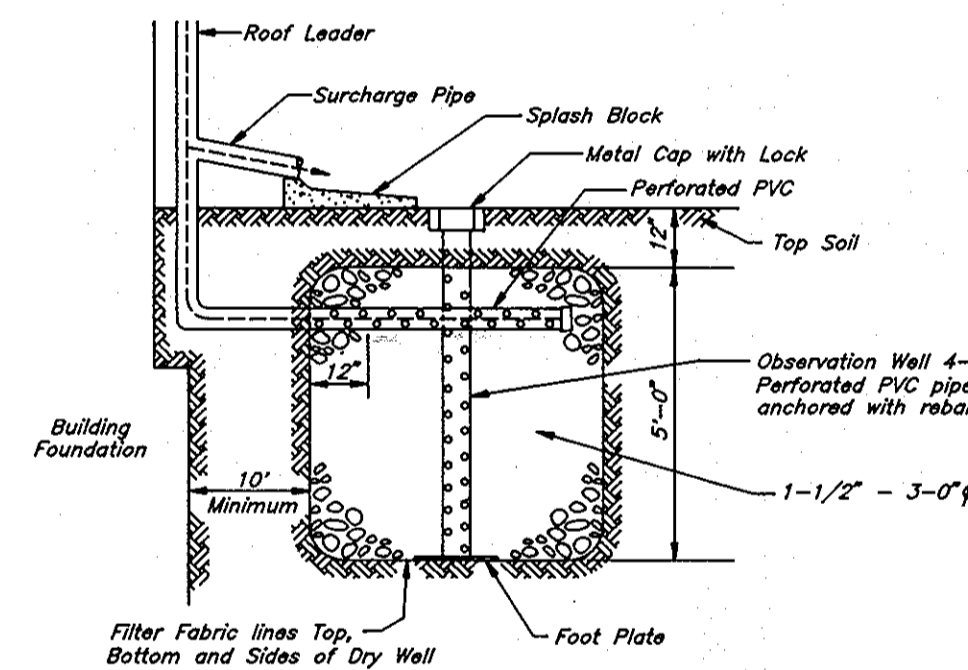
ZONED R-20
DONALD W. BLAIR
P. 826
L. 591 F. 0140

SCHEDULE A
PERIMETER LANDSCAPE EDGES

Category	Adjacent to Roadway	Adjacent to Perimeter
Landscape Type	B	A
Linear Feet of Roadway Frontage/Perimeter	83'	1082.5'
Credit for Existing Vegetation (Yes/No Linear Feet) (Describe below if needed)	83'	125'
Credit for Wall, Fence or Berm (Yes/No Linear Feet) (Describe below if needed)	-	-
Number of Plants Required	0	1G
Number of Plants Provided	0	1G

DRY WELL CHART

LOT No.	AREA REQUIRED	AREA PROVIDED	No. WELLS	SIZE WELLS
4			2	5' x 5'
5			2	5' x 5'
6			2	5' x 5'



TYPICAL DRY WELL CROSS SECTION INFILTRATION MANUAL
NOT TO SCALE

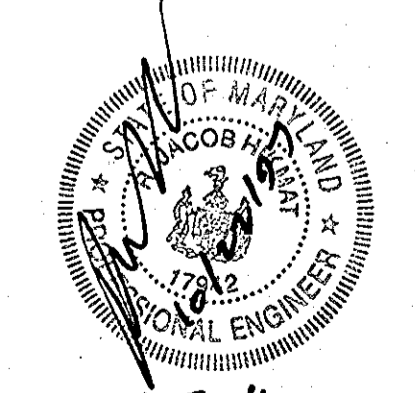
SHEET INDEX

DESCRIPTION	SHEET NO.
SITE DEVELOPMENT PLAN	1
SEDMENT AND EROSION CONTROL PLAN	2

MINIMUM LOT SIZE CHART

LOT	GROSS AREA	PIPESTEM AREA	REMAINING AREA	100 YEAR FLOODPLAIN	2% SLOPES	MINIMUM LOT SIZE
B	19,304 sq ft	3713 sq ft	15,591 sq ft	o	o	19,301 sq ft
C	19,519 sq ft	5330 sq ft	14,189 sq ft	o	o	14,189 sq ft

OWNER/DEVELOPER
Ellicott City Land Holding Inc.
% Land Design & Development, Inc.
10805 Hickory Ridge Road
Columbia, Maryland 21044



APPROVED: DEPARTMENT OF PLANNING AND ZONING

Chief, Development Engineering Division
Richard Blood
11/26/96

Chief, Division of Land Development and Research
TC
11/26/96

ADDRESS CHART

LOT NUMBER	STREET ADDRESS
4	0210 VOLLMEYER ROAD
5	0230 VOLLMEYER ROAD
6	0223 VOLLMEYER ROAD

CLARK • FINEFROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS
7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 BALTO. • (301) 621-8100 WASH

DESIGNED JME	SITE DEVELOPMENT PLAN LOTS 4, 5 AND 6 SHANK PROPERTY SIXTH (6th) ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: TRINITY BUILDERS INC. 6212 DEVON DRIVE COLUMBIA, MD 21044	SCALE 1"=30'
DRAWN ZAH/		DRAWING 1 of 2
CHECKED jme		JOB NO. 96-141
DATE 10-20-96		FILE NO. 96-141-X

REVISIONS

No.	Description	Date
3	ADD BRADLEY HOUSE MODEL AND CHANGE LOT 5 FROM GENERIC BOX B TO BRADLEY	01-30-98
2	CHANGE HOUSE MODEL FROM ASHLEIGH (REV) TO VICTORIA (REV) ON LOT 4	10-23-97
1	Add Victoria house typical, Rev. Drywell Sizes	4-9-97