

SEDIMENT CONTROL NOTES

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.

Soil Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding.

Soil Amendments: Apply 0-20-20 fertilizer at the rate of 500 lbs. per acre. Nitrogen or disc lime and 0-20-20 fertilizer into the soil to a minimum depth of 3". Lawns or high maintenance areas will be dragged and leveled with a York rake. At the time of seeding, apply 400 lbs. of 10-0-0 urethane fertilizer and 500 lbs. of 10-0-20 or equivalent fertilizer per acre.

Seeding: For the periods March 1 thru April 30, and August 1 thru October 15, seed with 40 lbs. per acre (1 lb./1000 sq. ft.) of a mixture of certified 'Merion' Kentucky bluegrass, common Kentucky bluegrass @ 40 lbs. per acre (1 lb./1000 sq. ft.) and Red Fescue, Pennlawn or Jamestown @ 20 lbs. per acre (0.5 lb./1000 sq. ft.) for the period May 1 thru July 31, seed with 40-0-20 mix as specified above and 2 lbs. per acre (0.05 lb./1000 sq. ft.) of weeping lovegrass. During the period of October 16 thru February 28, protect site by: (Option 1) 2 tons per acre of well-anchored straw mulch and seed as soon as possible in the spring. (Option 2) Use sod. (Option 3) Seed with 40-0-20 mix as specified above and mulch with 2 tons/acre well-anchored straw.

Mulching: Apply 1 1/2 to 2 tons per acre (70 to 90 lb./1000 sq. ft.) of unretted 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 ft. or higher, use 348 gal. per acre (8 gal./1000 sq. ft.) for anchoring.

Maintenance: Inspect all seeded areas and make needed repairs, replacements and reseedings.

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be redistributed where a short-term vegetative cover is needed.

Soil Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding.

Soil Amendments: Apply 400 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq. ft.) where soil is highly acidic, apply domestic limestone at the rate of 1 ton per acre.

Seeding: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 140 lbs. 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 (0.07 lb./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 sod.

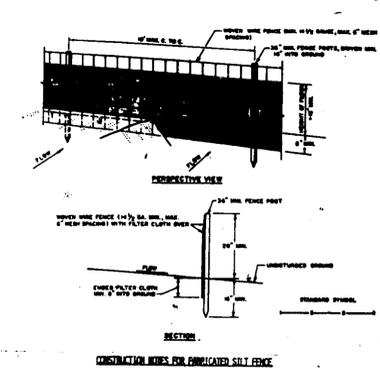
Mulching: Apply 1 1/2 to 2 tons per acre (70 to 90 lb./1000 sq. ft.) of unretted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal. per acre (5 gal./1000 sq. ft.) of emulsified asphalt on flat areas. On slopes, 8 ft. or higher,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

Refer to the 1983 HARTLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

- A minimum of 24 hours notice must be given to the Howard County Office of Inspections and Permits prior to the start of any construction (1912-2437).
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 HARTLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- 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 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.
- All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 HARTLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) and (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:

Total Area of Site	50 acres
Area Disturbed	40 acres
Area to be roofed or paved	30 acres
Area to be vegetatively stabilized	20 acres
Total Cut	225.7 Cu. yds.
Total Fill	225.1 Cu. yds.
- 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 DPW sediment control inspector.
- Site grading will begin only after all perimeter sediment control measures have been installed and are in a functioning condition.
- Sediment will be removed from traps when its depth reaches the clean out elevation shown on the plans.

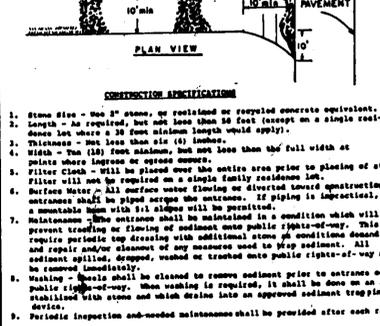
CONSTRUCTION NOTES FOR PERIMETER SILT FENCE



PLANT LIST

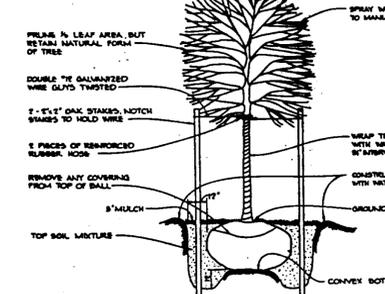
AMT.	SYM.	NAME	SIZE	REMARKS
1	Ar	ACER RUBRUM	2 1/2-3" Cal., 13-15' Ht.	FULL BRANCHING
	s	Red Maple		
3	Qc	QUERCUS COCCINEA	2 1/2-3" Cal., 12-14' Ht.	FULL BRANCHING
	Ps	Scarlet Oak		
2	Ps	PINUS STROBUS	7-8' Ht.	FULL BRANCHING UNSHARED
4	Ms	MALUS SNOW CLOUD	8-10' Ht.	FULL HEAD
		Snow Cloud Crabapple		
6	Jh	JUNIPERUS HORIZONTALIS	18-24" Spread	B&B OR CONTAINER
		PLUMOSA		
2	In	Andorra Juniper	2 1/2-3' Ht.	B&B OR CONTAINER
		ILEX NELLIE STEVENS		
		Nellie Stevens Holly		

STABILIZED CONSTRUCTION ENTRANCE

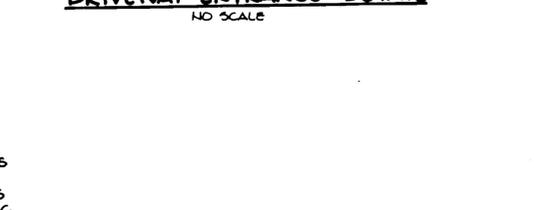
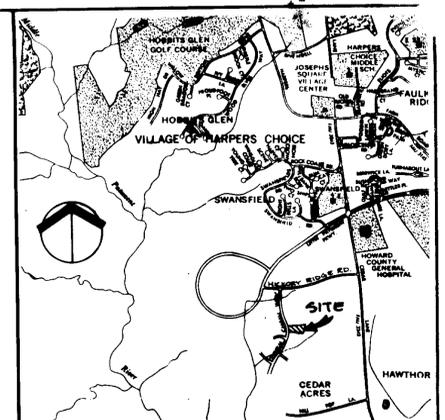
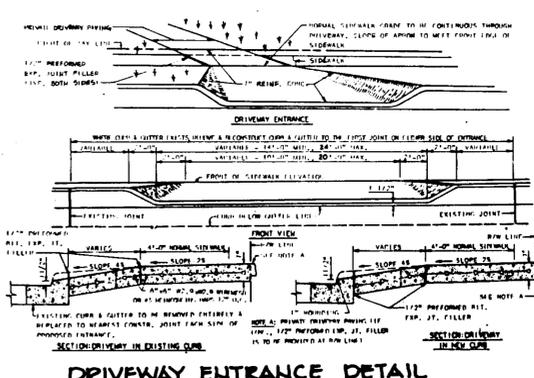
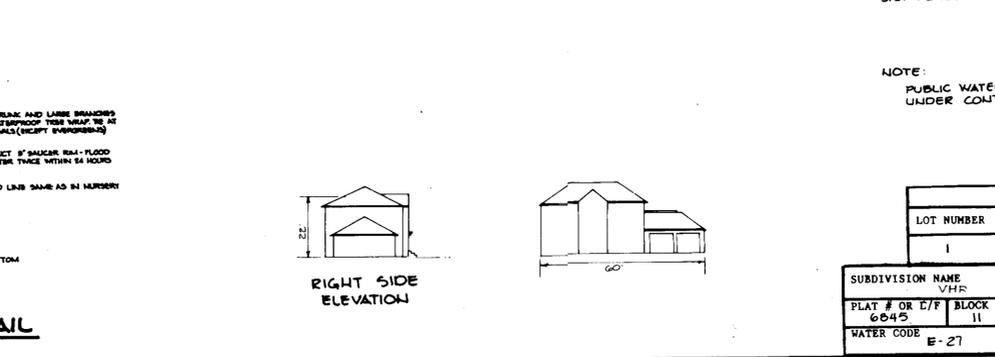
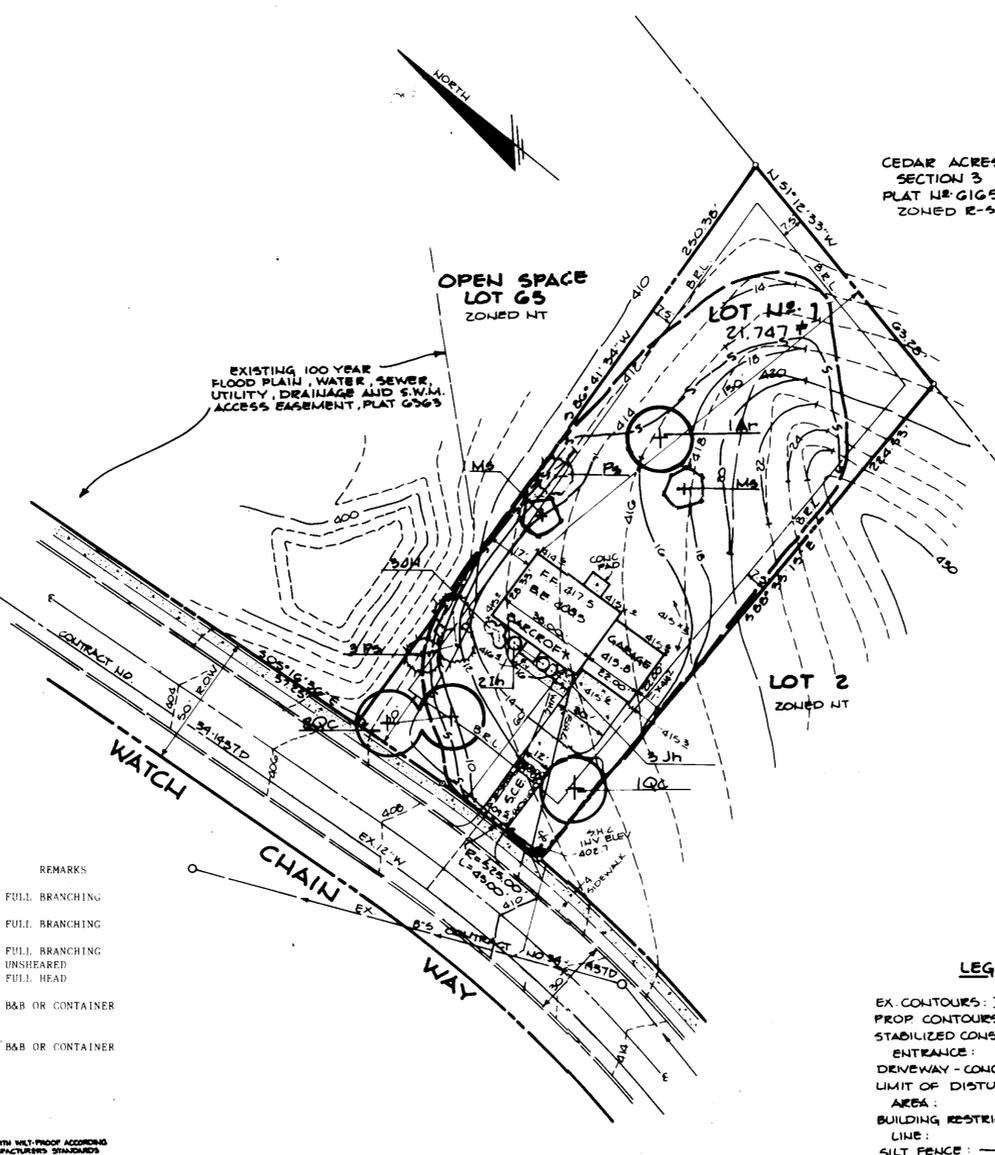


STABILIZED CONSTRUCTION ENTRANCE

TREE PLANTING DETAIL



TREE PLANTING DETAIL



- SEQUENCE OF CONSTRUCTION
- OBTAIN GRADING PERMIT.
 - CLEAR FOR, AND INSTALL, SEDIMENT CONTROL DEVICES.
 - ROUGH GRADE DRIVEWAY.
 - FINAL GRADE DRIVEWAY AND STABILIZE ALL DISTURBED AREAS.
 - UPON APPROVAL BY THE DEPARTMENT OF PUBLIC WORKS SEDIMENT CONTROL INSPECTOR, REMOVE ALL SEDIMENT CONTROL DEVICES AND SEED ALL REMAINING DISTURBED AREAS IN ACCORDANCE WITH THE PERMANENT SEEDING NOTES.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.

[Signature] 8-26-86
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

[Signature] 8-27-86
PLANNING DIRECTOR DATE

[Signature] 8-27-86
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

[Signature] 8-22-86
DIRECTOR DATE

[Signature] 8-21-86
CHIEF, BUREAU OF ENGINEERING DATE

BY THE DEVELOPER:

"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 NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT."

[Signature] 8/18/86
DEVELOPER DATE

BY THE ENGINEER:

"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT 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] 8-11-86
ENGINEER DATE

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS

[Signature] 8-19-86
U.S. SOIL CONSERVATION SERVICE DATE

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

[Signature] 8-19-86
HOWARD S.C.D. DATE

DATE NO REVISION

OWNER: HOWARD RESEARCH AND DEVELOPMENT CORP.
1075 LITTLE PATUXENT PARKWAY
COLUMBIA, MARYLAND 21044

DEVELOPER: HOWARD VOCATIONAL CONSTRUCTION CO.
10920 CLARKSVILLE PIKE (RT. 108)
ELLICOTT CITY, MARYLAND 21043

PROJECT: CLARY'S FOREST LOT 1
VHR, 3/12, SECTION 3, AREA 12
ELECTION DISTRICT 5
HOWARD COUNTY, MARYLAND

TITLE: SITE DEVELOPMENT PLAN

THE RIEMER GROUP, INC.

The Riemer Group, Inc. A Land Planning, Design & Civil Engineering Firm
3105 Health Park Drive, Ellicott City, Maryland 21043 (301) 481-8800

6-11-86 DATE

DESIGNED BY: R.L.H.

DRAWN BY: P.E.R.

PROJECT NO: 32600

DATE: JUNE 20, 1986

SCALE: 1" = 30'

DRAWING NO. 1 OF 1

ADDRESS CHART

LOT NUMBER	STREET ADDRESS
1	6001 WATCH CHAIN WAY

SUBDIVISION NAME: VHR

PLAT # OR E/F: 6045

BLOCK #: 11

ZONE: SF MD

TAX/ZONE MAP: 5

ELEC. DIST.: 5

CENSUS TR.: 60301

SEWER CODE: 651100

7-21-86
M/SPD.

BY THE DEVELOPER:

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[Signature] 8-11-86
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