

I. SEEDBED PREPARATION
 Flat areas and slopes up to 3 to 1 grade shall be loose and friable to a depth of at least 3 inches. The top layer of soil shall be loosened by raking, disking or other acceptable means before seeding.

Slopes steeper than 3 to 1 shall have the top 1-3 inches of soil loose and friable before seeding.

II. SEEDBED PREPARATION
 A. Apply 2,000 pounds per acre or 46 pounds per 1000 sq.ft. of pulverized dolomitic limestone, 500 to 1,000 pounds per acre of 11.5 to 23 pounds per 1,000 sq.ft. of 0-20-0 superphosphate, or its equivalent (a higher rate of phosphate is normally needed with soils having a low silt-plus-clay content) and 1,000 pounds per acre of 23 pounds per 1,000 sq.ft. of 10-10-10 fertilizer or its equivalent. If soils are reasonably uniform, lime and fertilizer according to soil test.

Harrow or disc lime and fertilizer into the soils to a depth of 2 - 3 inches. Continue tillage until a reasonably uniform fine, firm seedbed has been prepared. On sloping land, the final harrowing or discing operation should be on the contour wherever feasible.

III. SEEDING
 A. Select a mixture from Table 1. (below)

B. Apply seed uniformly with a cyclone seeder, drill, cultipacker seeder or hydro-seeder (slurry includes seed and fertilizer) on a firm, moist seedbed.

C. Where feasible, except when a cultipacker type seeder is used, the seedbed should be firmed following seeding operations, with a cultipacker, roller or light drag; or following mulch application with the mulch anchoring tool or pick chain. On sloping land, seeding operations should be on the contour where feasible. Normal coverage is from 1/2 to 1 inch.

IV. MULCHING ANCHORING METHODS
 1. Mulch anchoring tool—a series of flat, notched discs which punch and anchor the mulch material into the soil. Soil must be moist and free of stones and loose enough to permit disc penetration to a depth of 2 - 3 inches. Note: Operate anchoring tool on the contour to secure maximum erosion control.

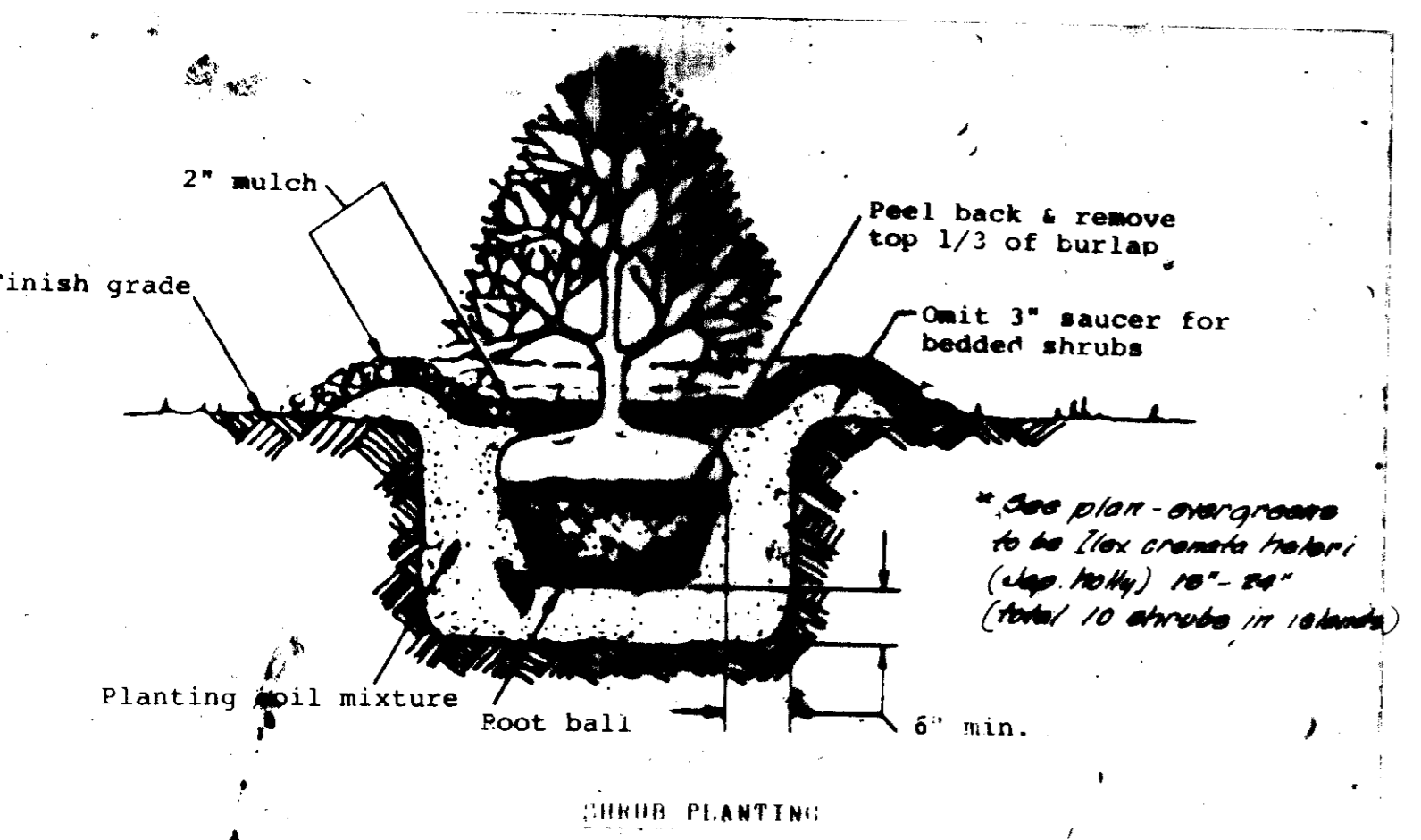
2. ASPHALT MULCH TIE-DOWN
 a. Liquid asphalt - rapid curing (RC-70, RC-250 or RC-800) or medium curing (MC-250 or MC-800) Apply .1 gal/sq.yd.

b. Emulsified asphalt - (SS-1, SS-K, MS-2, RS-1, RS-2, RS-2K, or RS-3K) Apply .04 gal/sq.yd.

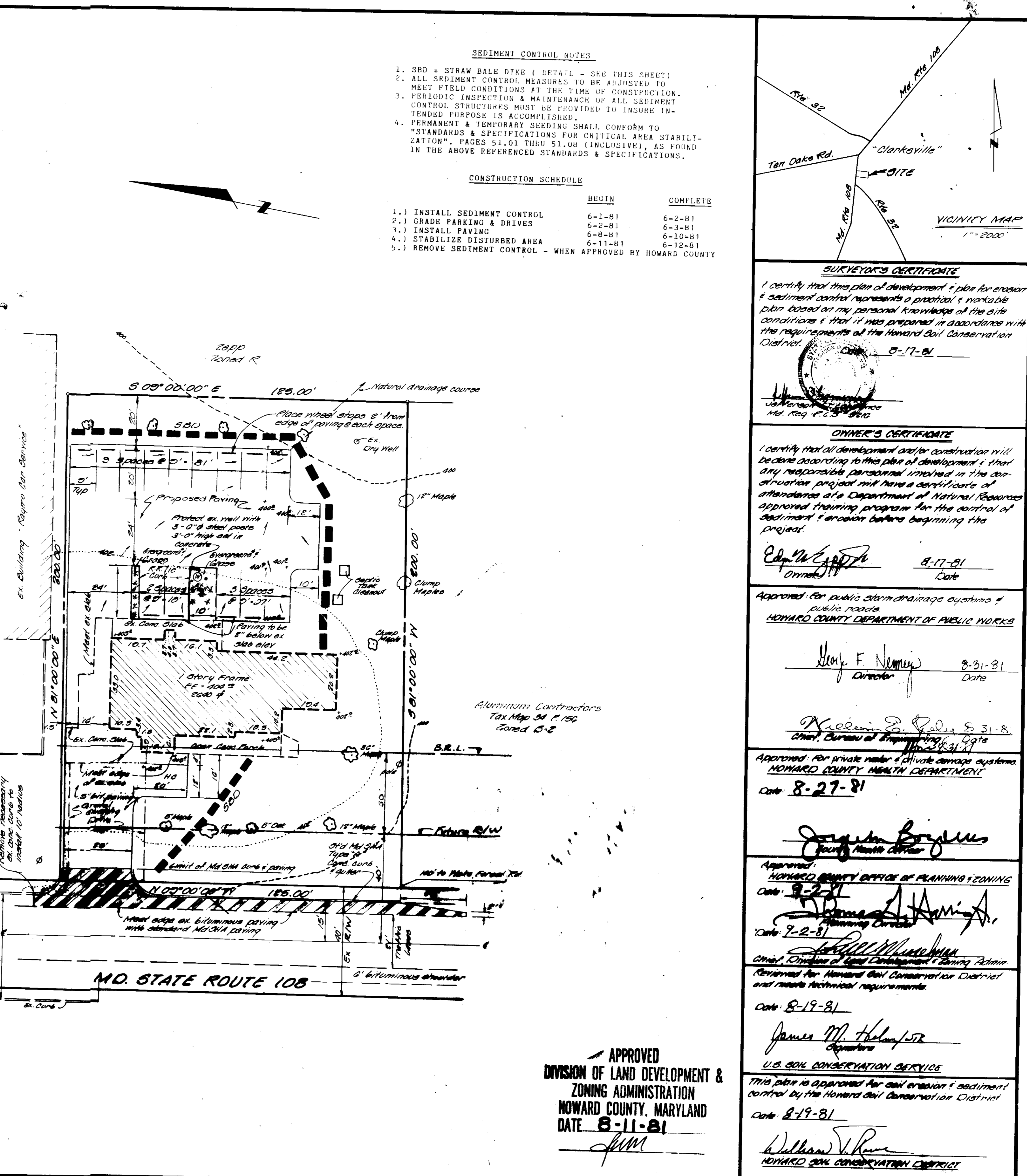
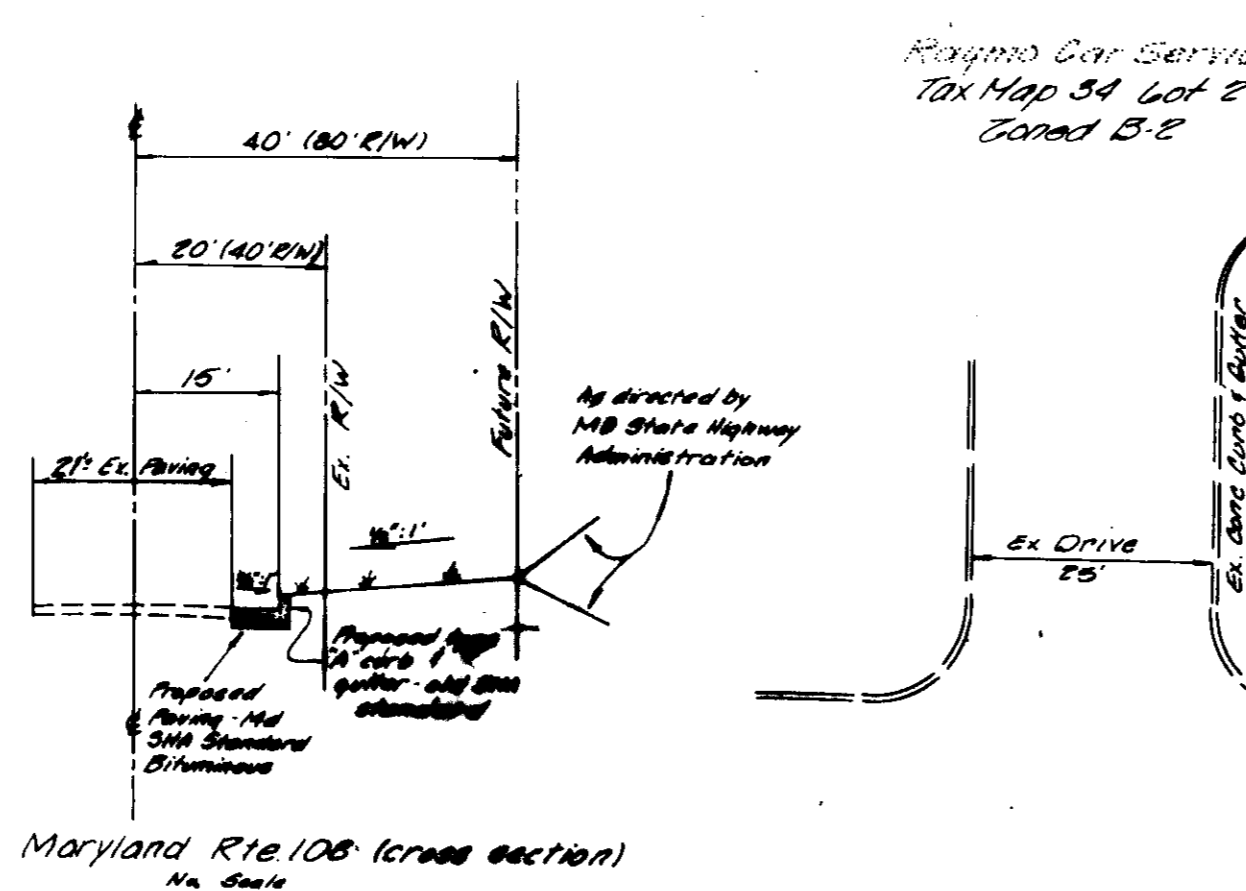
Apply so area has uniform appearance.

MULCHING
 Mulch - Immediately after seeding, uniformly mulch these areas with unweathered small grain straw (preferably wheat) at the rate of 1 1/2 to 2 tons per acre or 69 to 92 pounds per 1,000 sq.ft.

- GENERAL NOTES**
- Total area of Parcel - 85,000 sq ft or 0.574 ac.
 - Property bounded - S-E
 - Deed Reference - Deed SEC 100
 - Conveying use proposed - 0.410 ac ± 0.00 ac
 - Paving required - 1 space / 300 sq ft - 13.8 spaces
 - Parking provided - 12 (includes 1 handicapped @ 18.00)
 - No additions or revisions to existing building.
 - Existing coverage - building & drives - 70% ± or 30.8%
 - Proposed coverage - building & drives - 70% ± or 30.8%
 - Green area - 14,800 sq ft or 30.8%
 - Impervious area - 10,700 sq ft or 20.8%
 - Drainage from plan prepared by J.E. Clark Co., Laurel, Md.
 - Topography as assumed datum & from field survey by D.C.A.
 - Private water & drainage disposal systems - existing
 - No changes proposed.
 - Number of employees on site - 12
 - Parking lot analysis:
 Total area of lot - 5474 sq ft
 5% green area req. - 273.7 sq ft
 Green space provided - 14,800 sq ft
 - Shrubs to be planted in large island one to be 5'-11" diameter (Japanese Holly) 6" - 3" diameter
 - Water from storm water management requirements disposed via 4" catchers
 - Paving to be Howard County Standard Paving Section P-1, detail R-2.01, Vol II, Howard Co. Design Manual.



SEEDING MIXTURE	SEEDS PER LB	SEEDS PER SQ FT	SEEDS PER ACRE	SEEDS PER 1000 SQ FT	SEEDS PER 100 SQ FT	SEEDS PER 10 SQ FT	SEEDS PER 1 SQ FT
1. Bluegrass (Kentucky Bluegrass)	100,000	2,273	100,000	100,000	100,000	100,000	100,000
2. Fescue (Common Fescue)	100,000	2,273	100,000	100,000	100,000	100,000	100,000
3. Ryegrass (Perennial Ryegrass)	100,000	2,273	100,000	100,000	100,000	100,000	100,000
4. Orchardgrass (Orchardgrass)	100,000	2,273	100,000	100,000	100,000	100,000	100,000
5. Timothy (Timothy)	100,000	2,273	100,000	100,000	100,000	100,000	100,000
6. Brome (Brome)	100,000	2,273	100,000	100,000	100,000	100,000	100,000
7. Sorghum (Sorghum)	100,000	2,273	100,000	100,000	100,000	100,000	100,000
8. Miscanthus (Miscanthus)	100,000	2,273	100,000	100,000	100,000	100,000	100,000
9. Paspalum (Paspalum)	100,000	2,273	100,000	100,000	100,000	100,000	100,000
10. Pennisetum (Pennisetum)	100,000	2,273	100,000	100,000	100,000	100,000	100,000



SEDIMENT CONTROL NOTES

- SBD = STRAW BALE DIKE (DETAIL - SEE THIS SHEET)
- ALL SEDIMENT CONTROL MEASURES TO BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION.
- PERIODIC INSPECTION & MAINTENANCE OF ALL SEDIMENT CONTROL STRUCTURES MUST BE PROVIDED TO INSURE INTENDED PURPOSE IS ACCOMPLISHED.
- PERMANENT & TEMPORARY SEEDING SHALL CONFORM TO "STANDARDS & SPECIFICATIONS FOR CRITICAL AREA STABILIZATION", PAGES 51.01 THRU 51.08 (INCLUSIVE), AS FOUND IN THE ABOVE REFERENCED STANDARDS & SPECIFICATIONS.

CONSTRUCTION SCHEDULE

	BEGIN	COMPLETE
1.) INSTALL SEDIMENT CONTROL	6-1-81	6-2-81
2.) GRADE PARKING & DRIVES	6-2-81	6-3-81
3.) INSTALL PAVING	6-8-81	6-10-81
4.) STABILIZE DISTURBED AREA	6-11-81	6-12-81
5.) REMOVE SEDIMENT CONTROL - WHEN APPROVED BY HOWARD COUNTY		

SURVEYOR'S CERTIFICATE

I certify that this plan of development & plan for erosion & sediment control represents a practical & workable plan based on my personal knowledge of the site conditions & that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

Date: 8-17-81

J. W. ...
 Md. Reg. # 123,456

OWNER'S CERTIFICATE

I certify that all development and/or construction will be done according to this plan of development & 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 & erosion before beginning the project.

Date: 8-17-81

Edgar W. Zepp
 Owner

Approved for public storm drainage systems & public roads:
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Date: 8-31-81

Henry F. ...
 Director

Approved for private water & storm drainage systems:
HOWARD COUNTY HEALTH DEPARTMENT

Date: 8-27-81

N. ...
 Chief, Bureau of Engineering

Approved:
HOWARD COUNTY OFFICE OF PLANNING & ZONING

Date: 8-27-81

...
 Planning Director

Approved:
HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

Date: 8-19-81

James M. ...
 Director

Approved:
HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

Date: 8-19-81

William ...
 Director

APPROVED
 DIVISION OF LAND DEVELOPMENT &
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 8-11-81

OWNER	NO.	REVISIONS	DATE
Edgar W. Zepp 6844 Ten Oaks Rd. Clarksville, Md. 21029 301-591-6712			

DEVELOPMENT CONSULTANTS GROUP, INC.

12408 ROUTE 108
 CLARKSVILLE, MD. 21029
 301-596-9080 301-988-9830

SITE GRADING & SEDIMENT CONTROL PLAN

ZEPP PROPERTY

TAX MAP 34 PARCEL 155
 5TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

DATE	SHEET
8-11-81	1

PROJECT NO. 81-87