

STREET TREE SCHEDULE

KEY	PLANT NAME	SIZE	QUANTITY	REMARKS
○	ACER RUBRUM "RED SUNSET"	2-1/2" X 3" J.C.	28	B & B HEAVY HEADS
●	RED SUNSET MAPLE	12-14" HT.		

1. ALL PLANTINGS SHALL BE DONE IN ACCORDANCE WITH COLUMBIA AND PLANTING SPECIFICATIONS.
 2. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO DIGGING.
 3. FINAL LOCATION OF PLANT MATERIAL MAY VARY PER FINAL FIELD CONDITIONS.
 4. SEE PLANTING DETAIL SHEET 2 OF 6.
 5. TRAPS LOCATED BETWEEN SIDEWALK & CURB ALONG BARE BUSH PATH SHALL BE PLANTED WITH A BIOLOGIC ROOT INHIBITOR BARRIER.

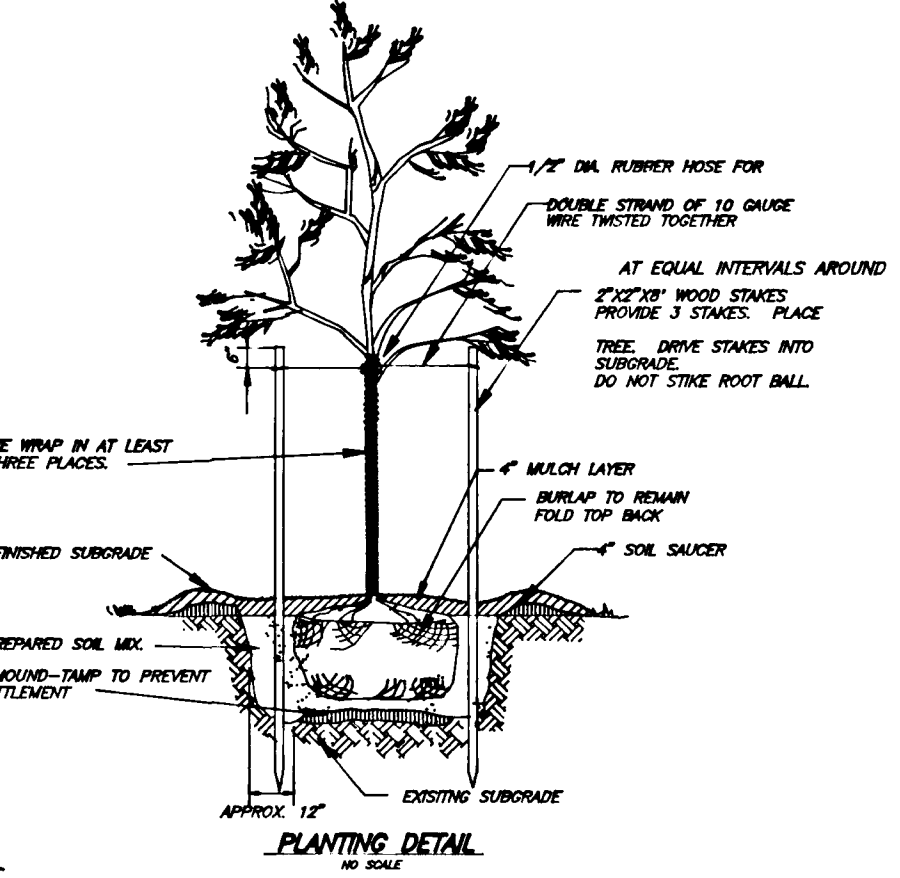
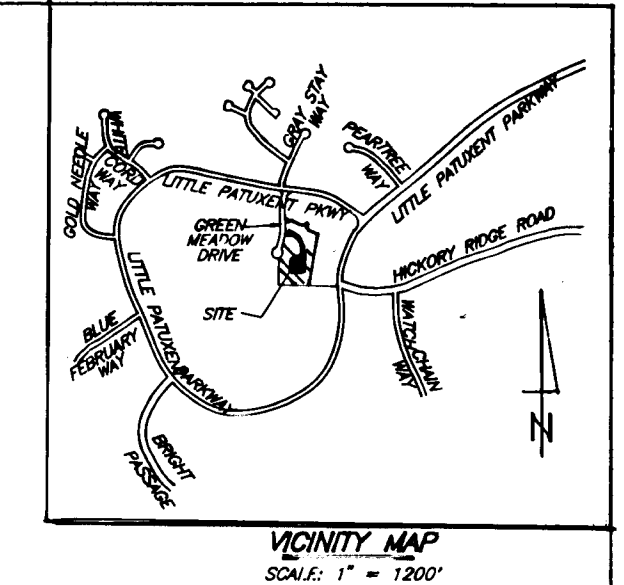
CURB AND GUTTER LEGEND:

- STD. CURB AND GUTTER
- REV. CURB AND GUTTER
- REV. CURB AND GUTTER
- STD. CURB AND GUTTER
- MODIFIED CURB AND GUTTER
- EXISTING STREET TREES TO REMAIN

- GENERAL NOTES:**
- All construction shall be in accordance with the latest standards and specifications of Howard County standards and specifications.
 - The contractor shall notify the Department of Public Works/Bureau of Construction Inspection at (301) 313-7272 at least five (5) working days 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.
 - Project Background:
 Zoning: New Town, Single Family Attached
 Total Tract Area: 3.76 AC.
 Number of Proposed Lots: 43 (42 Buildable Lots)
 Date Preliminary Plan was approved: March 16, 1993
 Approved and DQ2 Reference: S/P-92-12, F-93-87 and WP-93-58.
 Design Speed: 30 mph - Bare Bush Path
 - Information concerning underground utilities was obtained from available records and field survey, but the contractor must determine the exact location and elevation of mains by digging test pits, by hand, at all utility crossings well in advance of construction.
 - All utility companies shall be notified 24 hours in advance of construction.
 - Traffic control devices, markings, and signing shall be in accordance with the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD). All street and regulatory signs shall be in place prior to the placement of any asphalt.
 - Topography and boundary was provided by boundary survey provided by Fisher Collins and Carter, Inc. dated June 9, 1992.
 - Coordinates are based on plat meridian for Village of Hickory Ridge, Section 3 Area 4, Parcels K,L, and M, as recorded on Plat No. 5674.
 - Light poles and fixtures for street lights shall be in accordance with the latest Howard County Design Manual, Volume II, Roads and Bridges.
 - Public water and sewer is to be provided. Contract No. 32-3263-D include contract number and drainage area if public.
 - Stormwater Management for this project is provided off-site in extended detention pond as per F-83-120.
 - Provide handicap ramps where shown in plan. See details sheet 2, and Howard County Stds. R-4.01 and R-6.15 as in compliance with ADA requirements.
 - Sag and Crest vertical Curves were designed in accordance with Howard County Design Manual Vol. III.
 - Trench compaction for storm drains within the road or street rights of way limits shall be in accordance with "Howard County Design Manual, Vol. II, Std. No. G-2.01.
 - A traffic study was prepared by the Traffic Group, Inc. dated March 16, 1993.
 - Limits of wetlands were determined by Geo-Technology Associates, Inc., per previously recorded plat 10747.
 - Private maintenance within county right of way shall include routine maintenance such as litter removal, re-striping, etc. The county shall be responsible for pavement resurfacing and structural (e.g. curb & drain) repair.

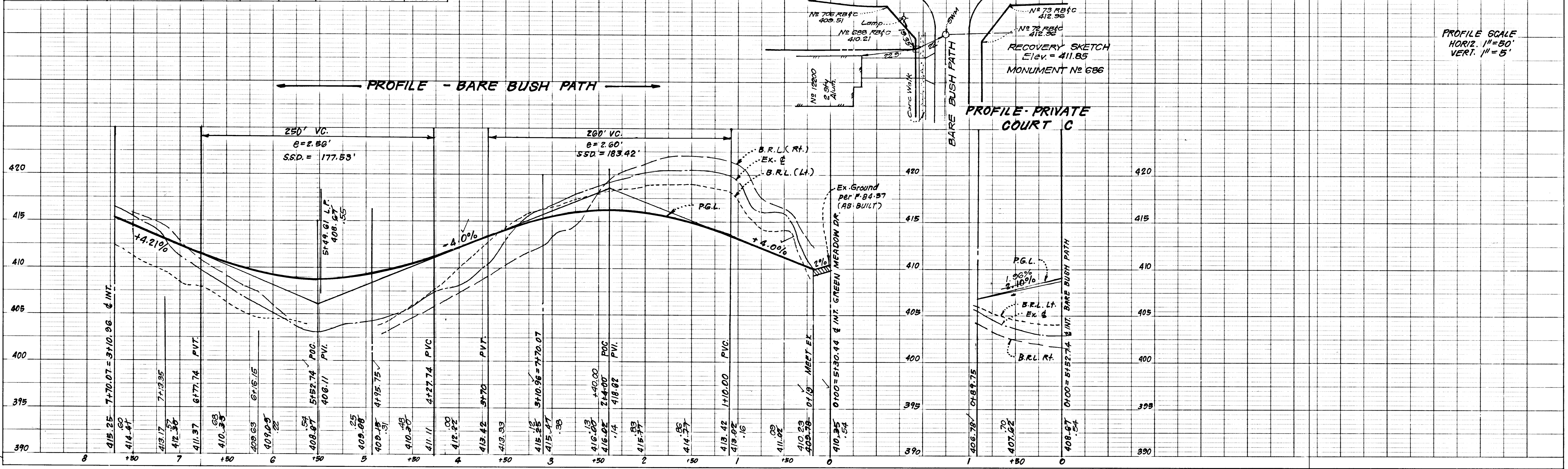
SHEET INDEX

SHEET INDEX	SHEET NO.
PLAN AND PROFILE SHEET - BARE BUSH PATH	1
PAVING DETAILS	2
SEDIMENT AND EROSION CONTROL PLAN	3
SEDIMENT AND EROSION CONTROL DETAILS	4



CENTERLINE CURVE DATA

PC TO PT	NAME OF ROAD	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
PC 1+00.90 TO 3+10.96	BARE BUSH LANE	125.00'	210.06'	139.53'	186.20'	N29°48'59"W	96°17'12"
PC 7+13.35 TO 7+70.07	BARE BUSH LANE	118.11'	56.72'	28.92'	56.18'	N32°05'07"E	27°30'55"
PC 5+76.88 TO 6+16.15	BARE BUSH LANE	50.00'	39.27'	21.71'	38.27'	N23°20'31"E	45°00'00"



APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

[Signature]
 CHIEF, BUREAU OF ENGINEERING

7/26/93
 7/26/93
 7/26/93

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

[Signature]
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

7/26/93

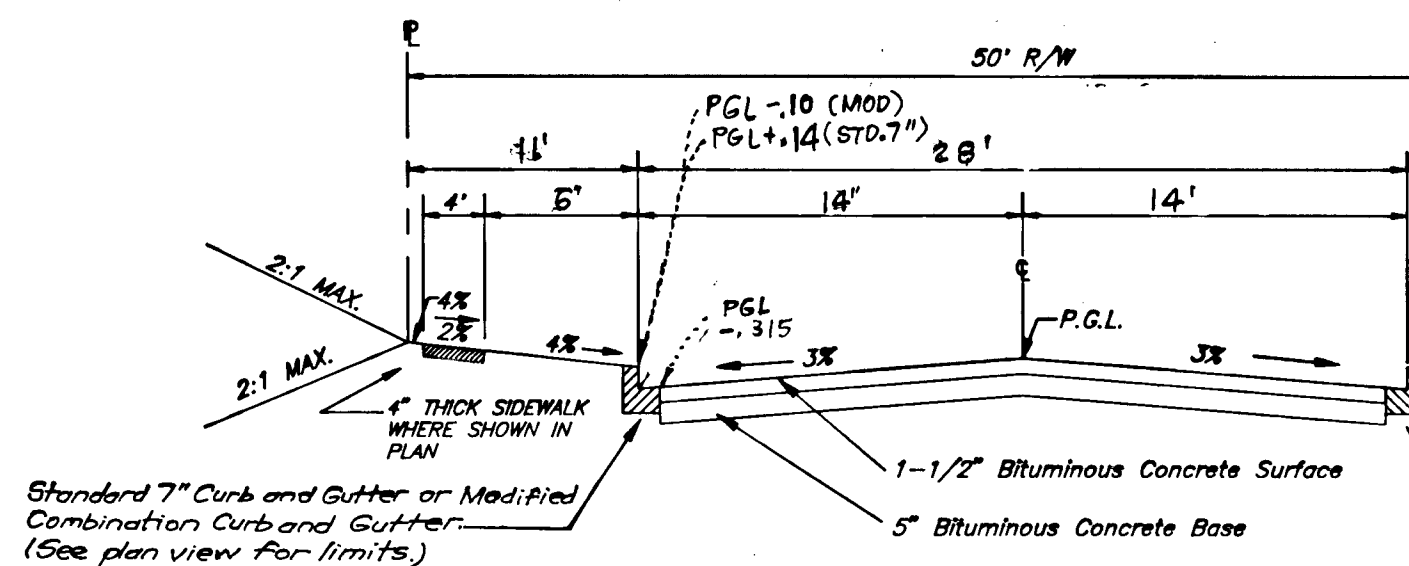
CLARK • FINEFROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS

7135 MINISTREL WAY • COLUMBIA, MD 21045 • (301) 381-7500 - BALTO • (301) 291-8100 - WASH

DESIGNED	SCALE
KJWM	AS SHOWN
DRAWN	DRAWING
KJWM	1 OF 4
CHECKED	JOB NO.
JLS	92-166
DATE	FILE NO.
APR., 1993	92-166-D

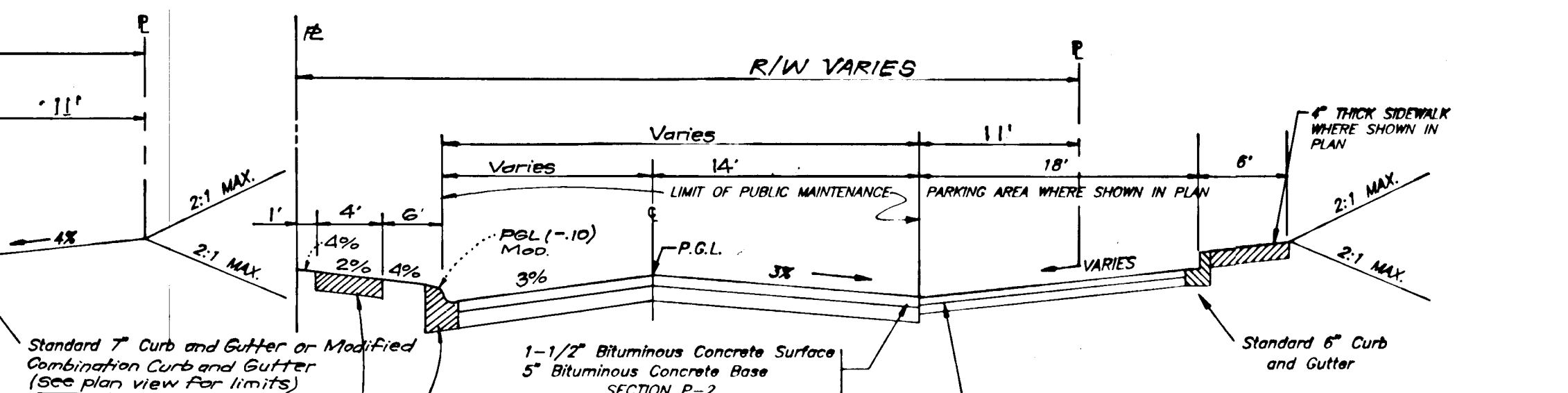
ROAD CONSTRUCTION PLANS FOR BARE BUSH PATH COLUMBIA
 VILLAGE OF HICKORY RIDGE SECTION 3 AREA 4
 TAX MAP NO. 35 PARCEL NO. 395
 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 FOR: COLUMBIA BUILDERS, INC. PO BOX 999 COLUMBIA, MD. 21044

11/21/96 "AS-BUILT"
 BARE BUSH PATH
 PHASE II
 F-93-122 92-166-D



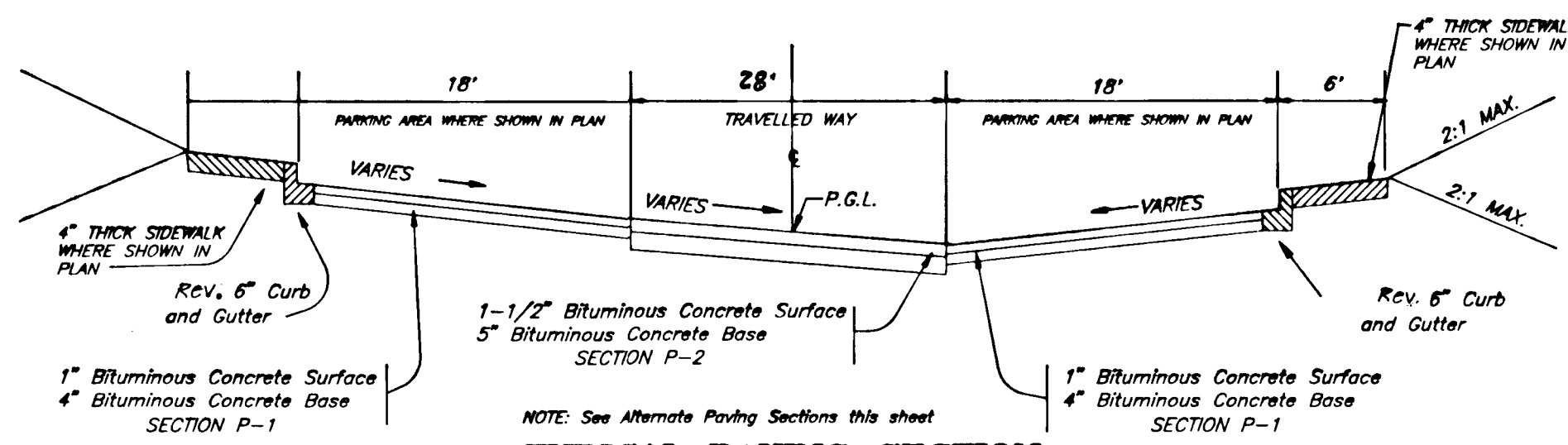
**TYPICAL PAVING SECTION
BARE BUSH PATH**

NO SCALE
5+52.74 to 7+70.07 &
0+00 to 2+53.78



**TYPICAL PAVING SECTION
BARE BUSH PATH**

NO SCALE
2+33.78 to 5+52.74



**TYPICAL PAVING SECTION
PRIVATE COURT C**

NO SCALE
STA. 0+00 to 0+89.75

1\"/>	
2\"/>	
Prime	4\"/>
5\"/>	

**PRIVATE CT. C
ALTERNATE PAVING SECTION
FOR PARKING AREAS**

NO SCALE
(SECTION P-1)

1-1/2\"/>	
2-1/2\"/>	
Prime	6\"/>
8\"/>	

**BARE BUSH PATH
ALTERNATE PAVING SECTION
FOR PUBLIC ROADS**

NO SCALE
(SECTION P-2)

1-1/2\"/>
1-1/2\"/>
5\"/>

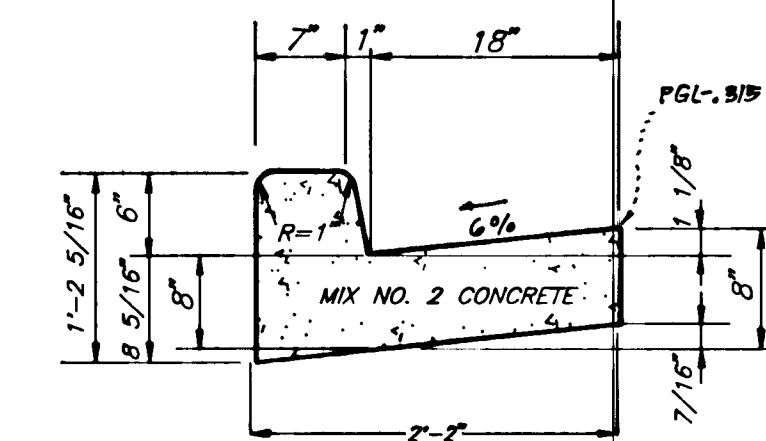
**TYPICAL PAVING SECTION
GREEN MEADOW DRIVE**

NO SCALE
(SECTION P-3)

1-1/2\"/>	
4-1/2\"/>	
Prime	6\"/>
8\"/>	

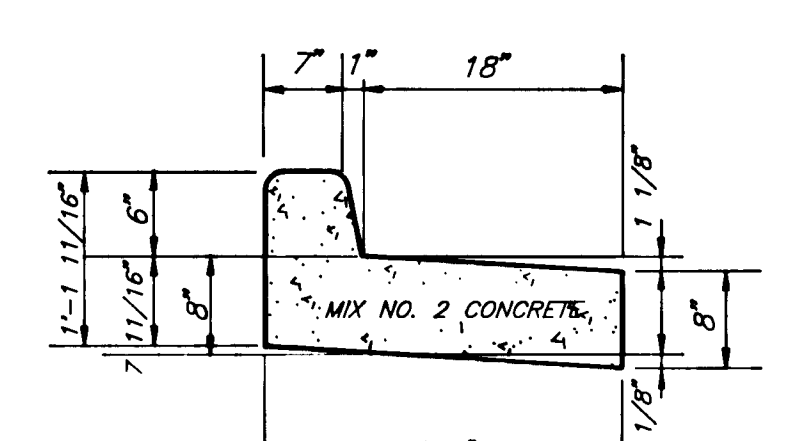
**TYPICAL PAVING SECTION
GREEN MEADOW DRIVE**

NO SCALE
(SECTION P-3)



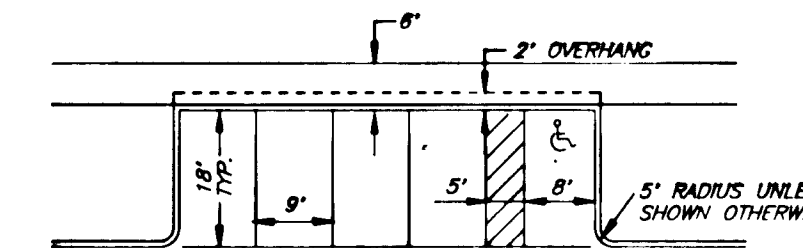
STANDARD 6\"/>

NO SCALE



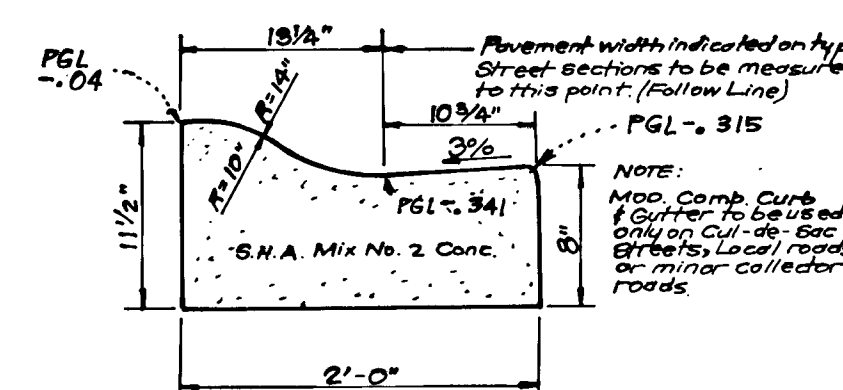
REVERSE 6\"/>

NO SCALE



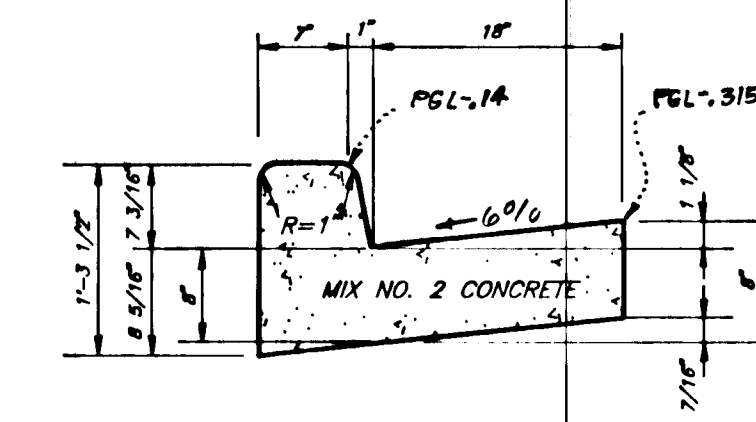
TYPICAL PARKING DETAIL

NO SCALE



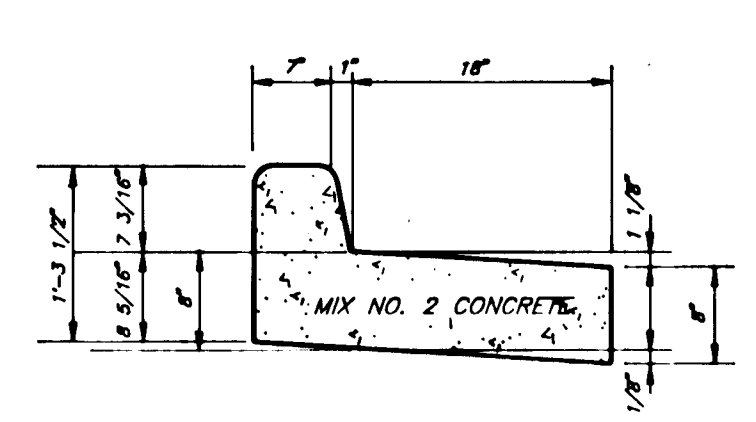
**MODIFIED COMBINATION
CURB & GUTTER**

No Scale



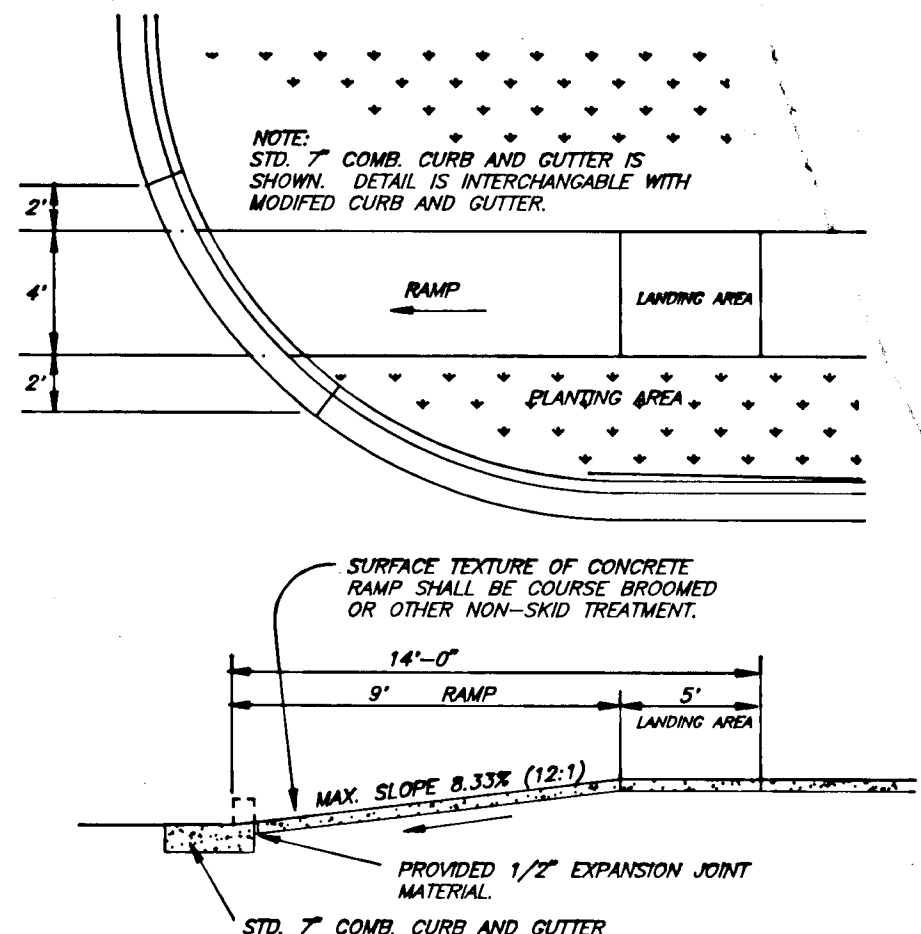
STANDARD 7\"/>

NO SCALE



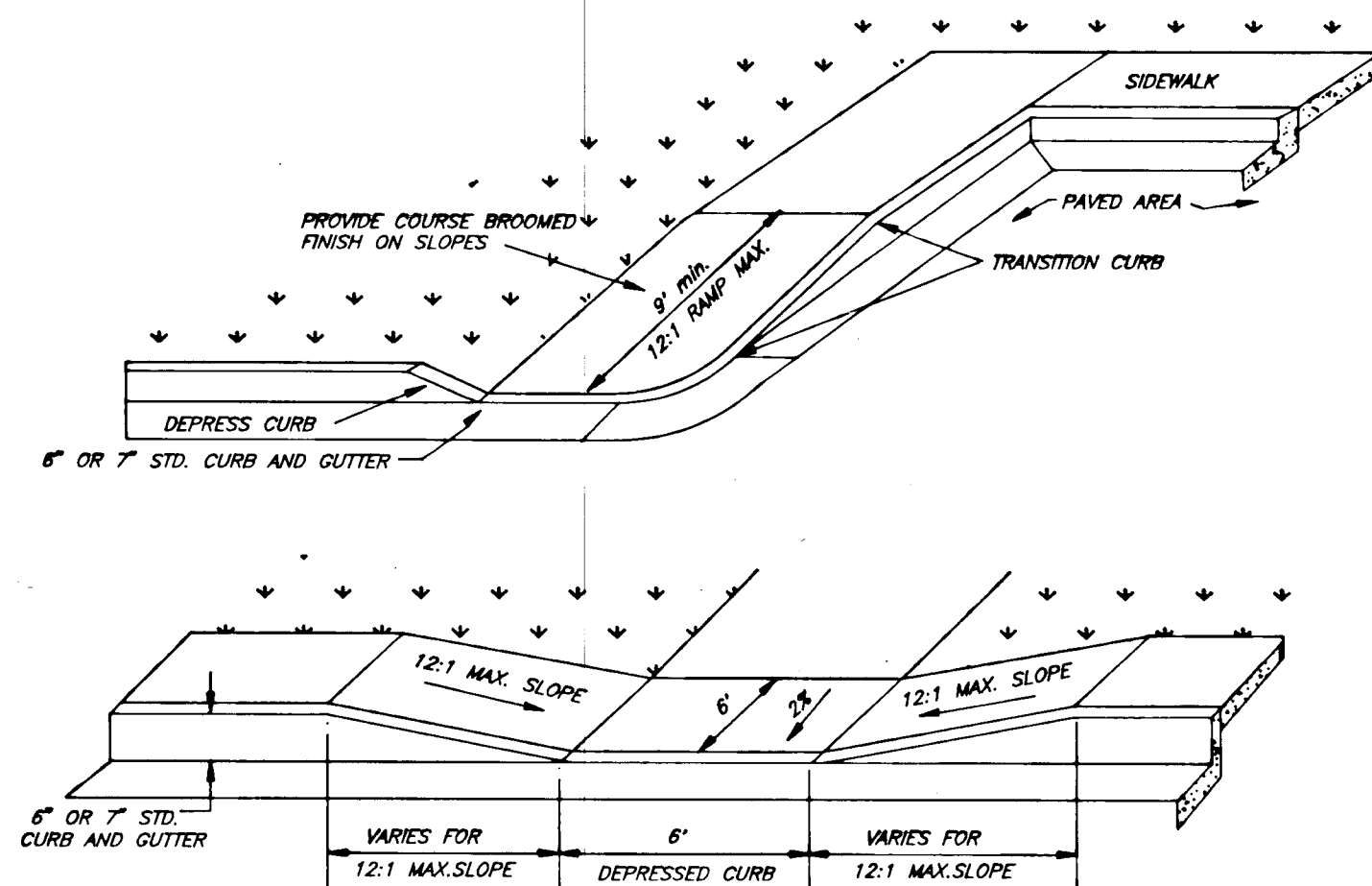
REVERSE 7\"/>

NO SCALE

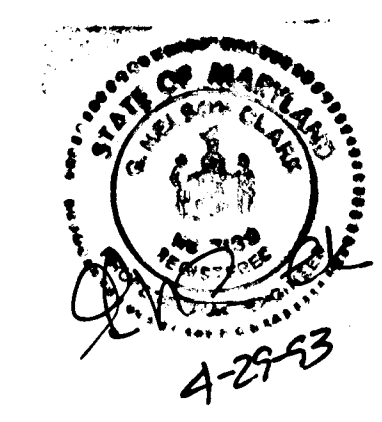


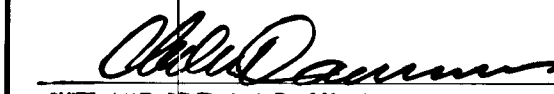
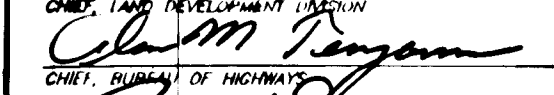

HANDICAP RAMP DETAILS

NO SCALE




APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS



 7/26/93
 7/15/93
 7/26/93

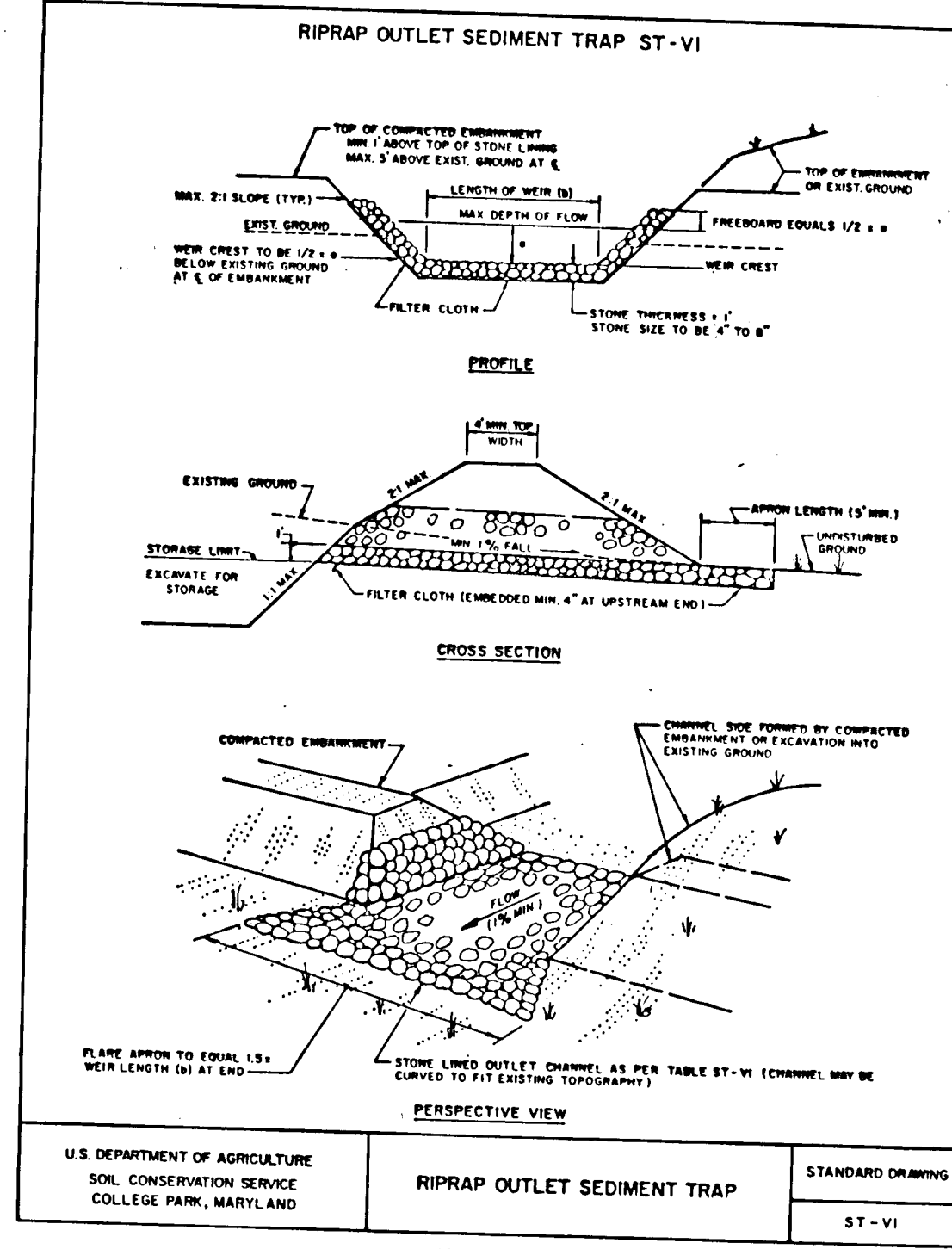
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

 7/26/93

CLARK • FINEROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS		
7155 MINSTREL WAY • COLUMBIA, MD. 21045 • (410) 381-7500 - BALTO. • (301) 621-8100 - WASH.		
DESIGNED DRAWN CHECKED DATE	ROAD CONSTRUCTION PLANS FOR STORM DRAIN AND PAVING DETAILS COLUMBIA VILLAGE OF HICKORY RIDGE SECTION 3 AREA 4 TAX MAP NO. 35 PARCEL NO. 395 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: COLUMBIA BUILDERS, INC. P.O. BOX 999 COLUMBIA, MD. 21044	SCALE As Shown DRAWING 2 OF 4 JOB NO 92-100 FILE NO 92-100-D

F-93-122

PHASE II



US DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
COLLEGE PARK, MARYLAND
STANDARD DRAWING
RIPRAP OUTLET SEDIMENT TRAP
ST-VI
16.13

CONSTRUCTION SPECIFICATIONS FOR ST-VI

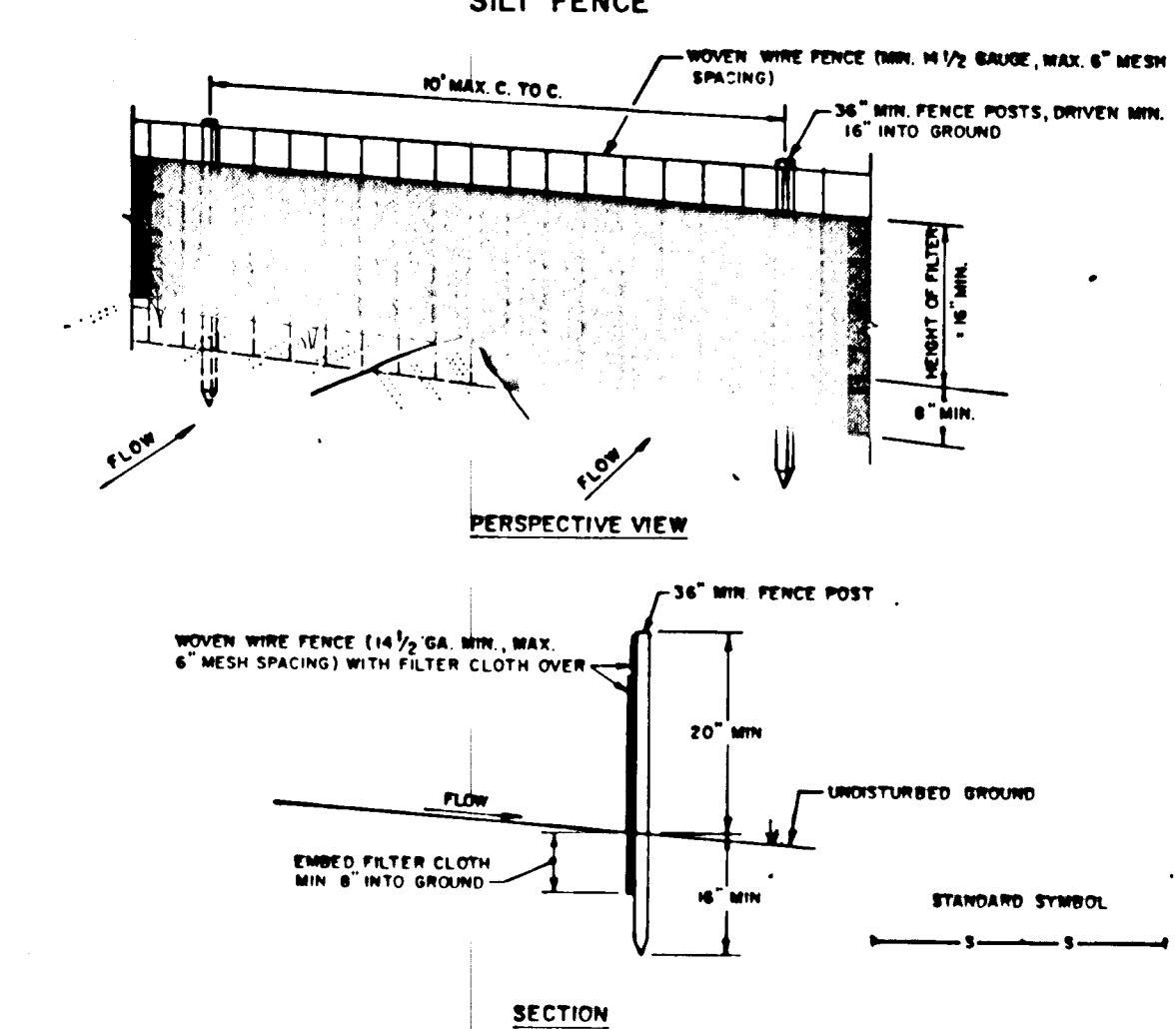
- The area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
- The fill material for the embankment shall be free of roots or other woody vegetation as well as over-sized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed. Maximum height of embankment shall be five (5) feet, measured at centerline of embankment.
- All fill slopes shall be 2:1 or flatter; cut slopes 1:1 or flatter.
- Elevation of the top of any dike directing water into trap must equal or exceed the height of embankment.
- Storage area provided shall be figured by computing the volume available behind the outlet channel up to an elevation of one (1) foot below the level weir crest.
- Filter cloth shall be placed over the bottom and sides of the outlet channel prior to placement of stone. Sections of fabric must overlap at least one (1) foot with section nearest the entrance placed on top. Fabric shall be embedded at least six (6) inches into existing ground at entrance of outlet channel.
- Stone used in the outlet channel shall be four (4) to eight (8) inches embedded one (1) foot back into the upstream face of the outlet stone or be one (1) foot thick layer of two (2) inch or finer aggregate shall be placed on the upstream face of the outlet.
- Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
- The structure shall be inspected after each rain and repaired as needed.
- Construction operations shall be carried out in such a manner that erosion and water pollution are minimized.
- The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.
- Drainage area for this practice is limited to 15 acres or less.

ANCHOR POSTS SHOULD BE MINIMUM 2" STEEL "U" CHANNEL OR 2" X 2" TIMBER, 6' IN LENGTH.



BLAZE ORANGE PLASTIC MESH TYPICAL TREE PROTECTION FENCE DETAIL
NO SCALE

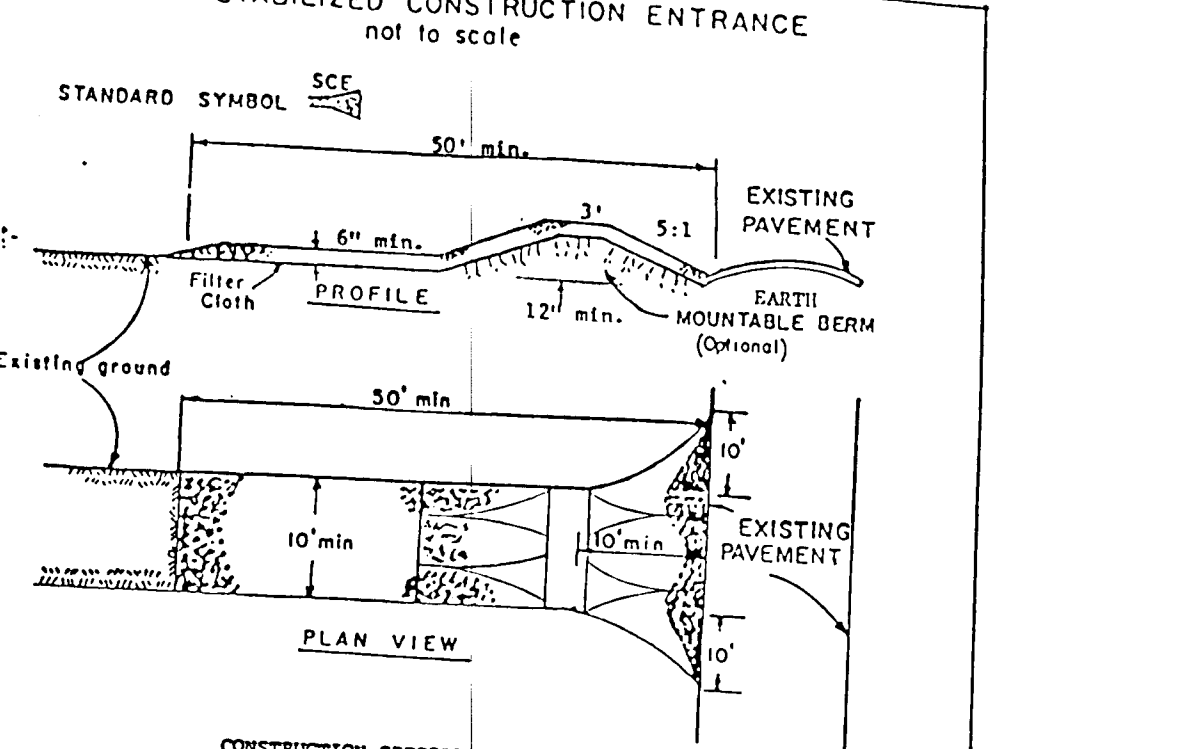
- NOTES:
- Forest protection device only.
 - Retention areas will be set out as part of the review process.
 - Boundaries of retention areas should be staked and flagged prior to installing device.
 - Root damage should be avoided.
 - Protection signage may also be used.
 - Devices should be maintained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



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

- Woven wire fence to be fastened securely to fence posts with wire ties or staples.
- Filter cloth to be fastened securely to woven wire fence with ties or staples every 24" at top and mid section.
- When two sections of filter cloth adjoin each other they shall be overlapped by six inches and folded.
- Maintenance shall be performed as needed and material replaced as needed in the silt fence.

POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD
FENCE: WOVEN WIRE, 14 GA. 6" MAX. MESH SPACING
FILTER CLOTH: FILTER X, MIRAFIL 1100, STABILINKA 1140N OR APPROVED EQUAL
PRE-FABRICATED UNIT: GEOMAP, DRAINWEL, OR APPROVED EQUAL



CONSTRUCTION SPECIFICATIONS

- Stone Size - One (1) inch or smaller, or recycled concrete equivalent.
- Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
- Thickness - Not less than six (6) inches.
- Width - Ten (10) foot minimum, but not less than the full width at points where ingress or egress not less than the full width at points where ingress or egress occurs.
- Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter cloth will not be required on a single family residence lot.
- Surface Water - All surface water flowing or directed toward construction entrances shall be piped across the entrance. If piping is impractical, a mounded berm with 5:1 slopes will be permitted.
- Maintenance - The entrance shall be maintained in a condition which will require periodic top dressing with additional stone as conditions demand and/or cleanup of any material used to trap sediment. All sediment spilled, dropped, washed or tracked onto public right-of-way must be removed immediately.
- Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public right-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
- Periodic inspection and needed maintenance shall be provided after each rain.

SOIL CONSERVATION	STABILIZED CONSTRUCTION ENTRANCE	Standard Drawing
MS		SC-12

ANCHOR POSTS MUST BE INSTALLED TO A DEPTH OF NO LESS THAN 1/3 OF THE TOTAL HEIGHT OF THE POST.

USE 2" X 4" LUMBER FOR CROSS BEARING

USE 1/2" WIRE "U" TO SECURE FENCE BOTTOM

Reviewed for HOWARD S.C.D. Name _____ and meets Technical Requirements
Signature _____ Date 7/16/93
US Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
Signature _____ Date 7/16/93
Approved

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 also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary.

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 _____ Date 4-29-93
G. NELSON CLARK

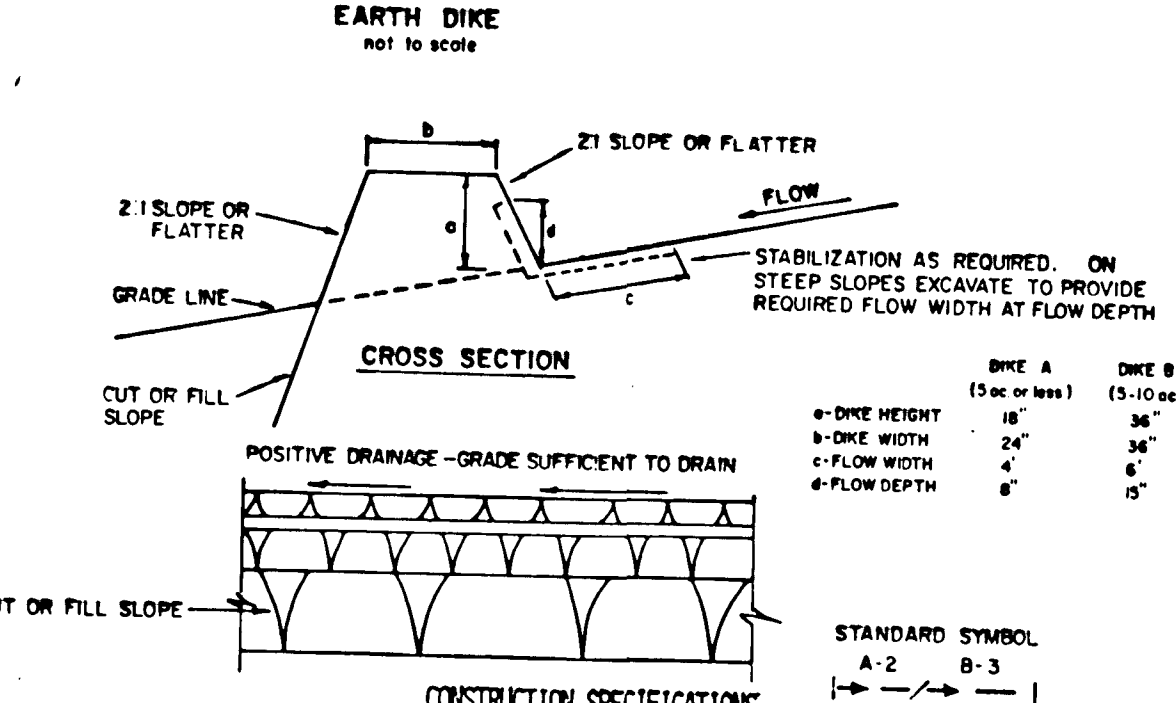
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Signature _____ Date 7/26/93
Signature _____ Date 7/15/93
Signature _____ Date 7/26/93

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
Signature _____ Date 7/20/93

CLARK • FINEFROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS
7135 MINSFIRE LWAY • COLUMBIA MD 21045 • (301) 381-7500 • BAL TO • (301) 671-8100 • WA SH

DESIGNED: KIWM
DRAWN: KIWM
CHECKED: JLS
DATE: APR. 1993

SCALE: AS SHOWN
DRAWING: 40P4
JOB NO: 92-166
FILE NO: 92-166-D



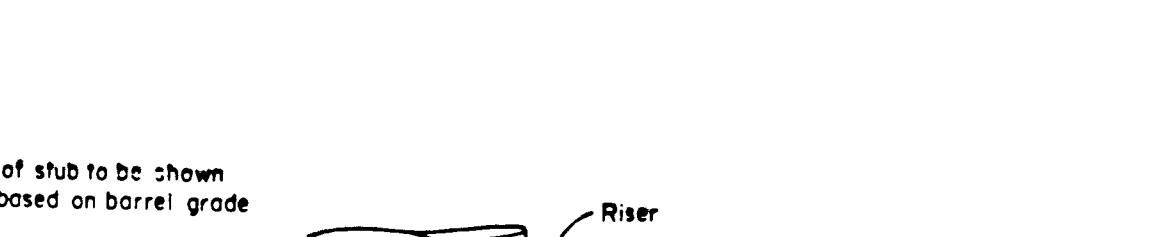
CONSTRUCTION SPECIFICATIONS

- ALL DIKES SHALL BE COMPACTED BY EARTH-MOVING EQUIPMENT.
- ALL DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
- TOP WIDTH MAY BE WIDER AND SIDE SLOPES MAY BE FLATTER IF DESIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
- FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED SAFE OUTLET. EARTH DIKES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINIMUM OF EROSION. RUNOFF SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE SUCH AS A SEDIMENT TRAP OR SEDIMENT BASIN WHERE EITHER THE DIKE CHANNEL OR THE DRAINAGE AREA ABOVE THE DIKE ARE NOT ADEQUATELY STABILIZED.
- STABILIZATION SHALL BE: (A) IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SEED AND STRAW MULCH OR STRAW MULCH IF NOT IN SEEDING SEASON, (B) FLOW CHANNEL AS PER THE CHART BELOW.

TYPE OF TREATMENT	FLOW CHANNEL STABILIZATION	
	DIKE A	DIKE B
1	5-3.0X SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1-5.0X SEED AND STRAW MULCH	SEED USING JUTE, OR EXCELSTOR; SOD; 2" STONE
3	5.1-8.0X SEED WITH JUTE, OR SOD; 2" STONE	LINED RIP-RAP 4-8"
4	8.1-20X LINED RIP-RAP 4-8"	ENGINEERING DESIGN

- STONE TO BE 2 INCH STONE, OR RECYCLED CONCRETE EQUIVALENT, IN A LAYER AT LEAST 3 INCHES IN THICKNESS AND BE PRESSED INTO THE SOIL WITH CONSTRUCTION EQUIPMENT.
- RIP-RAP TO BE 4-8 INCHES IN A LAYER AT LEAST 8 INCHES THICKNESS AND PRESSED INTO THE SOIL.
- APPROVED EQUIVALENTS CAN BE SUBSTITUTED FOR ANY OF THE ABOVE MATERIALS. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

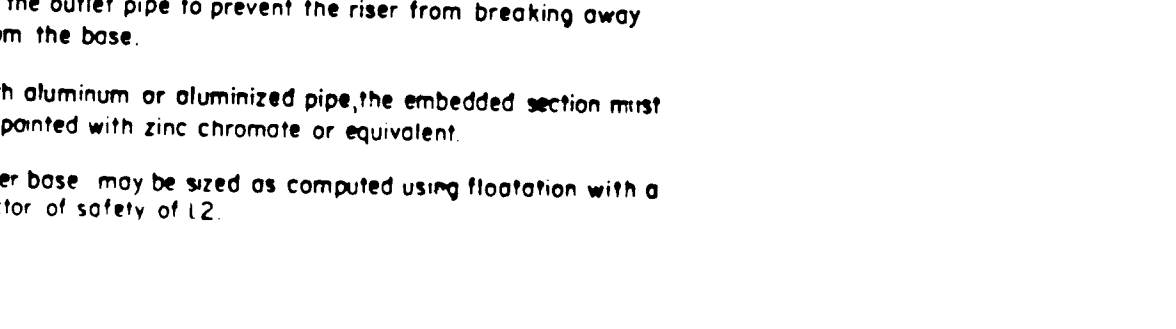
RISER BASE DETAIL



NOTES

- The concrete base shall be poured in such a manner to insure that the concrete fits the bottom of the riser to the invert of the outlet pipe to prevent the riser from breaking away from the base.
- With aluminum or aluminumized pipe, the embedded section must be painted with zinc chromate or equivalent.
- Riser base may be sized as computed using floatation with a factor of safety of 1.2.

OPTIONAL SEDIMENT BASIN DEWATERING DEVICE I WITH 6" PERFORATED RISER



SECTION A-A

ISOMETRIC

CONCENTRIC TRASH RACK AND ANTI-VORTEX DEVICE
(not to scale)

PERFORATIONS OR SLITS, MUST NOT BE MADE ANY LOWER THAN 6" ABOVE TOP OF THE HORIZONTAL OUTFALL BARREL.

PERFORATIONS - 6" SPACING HORIZ & VERT LOCATED IN CONCAVE

BASE PLATE (1/4") SIZE: 0" x 24"

PERFORATIONS - 1" PERFORATIONS

MINIMUM 6" DIA CMP

2" STONE CORE CONTINUOUS BAND

12" SPACED BAR (TYPICAL) SAME MATERIAL AS SUPPORT BAR

1/2" DIA RISER

Support Bar Size (1/8" Bar Minimum)

Pressure Relief Hole 1/2" diam.

Top stiffener (if required) is angle welded to top and oriented perpendicular to corrugations.

To be gage corrugated metal or 1/8" steel plate. Pressure relief holes may be omitted, if ends of corrugations are left fully open when corrugated top is welded to cylinder.

Cylinder is gage corrugated metal pipe or fabricated from 1/8" steel plate.

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, discing or other acceptable means before seeding, if not previously loosened.

SOIL AMENDMENTS: In lieu of soil test recommendations, use one of the following schedules:
1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft), and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding, and 400 lbs per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq ft.)
2) Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft.) and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000 sq ft) before seeding. Harrow 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 600 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 (.05 lbs/1000 sq ft) of weeping lovegrass. During the period of October 16 thru February 28, protect site by: Option (1) 2 tons per acre well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use sod. Option (3) Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

MULCHING: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrattled 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.

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

TEMPORARY SEEDING NOTES

SEEDBED 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 (14 lbs/1000 sq ft).

SEEDING: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2 1/2 bushels 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 (.07 lbs/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 lbs/1000 sq ft) of unrattled 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.

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. 343-2417.
- 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 MARYLAND STANDARDS AND SPECS. 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 shown must be fenced and warning signs posted 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 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) sod (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: 3.7687A
Area Disturbed: 2.0 AC
Area to be roofed or paved: 1.2 AC
Area to be vegetatively stabilized: 0.80 AC
Total Cut: 2.02 CY
Total Fill: 2.12 CY
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 DPW 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.
- If houses are to be constructed on an "as sold" basis, at random, Single Family Sediment Control, as shown below shall be implemented.
- All pipes to be blocked at the end of each day (see detail this sheet).
- The total amount of silt fence = 0-

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.

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

CLARK • FINEFROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS
7135 MINSFIRE LWAY • COLUMBIA MD 21045 • (301) 381-7500 • BAL TO • (301) 671-8100 • WA SH

DESIGNED: KIWM
DRAWN: KIWM
CHECKED: JLS
DATE: APR. 1993

SCALE: AS SHOWN
DRAWING: 40P4
JOB NO: 92-166
FILE NO: 92-166-D

ROAD CONSTRUCTION PLANS FOR STORM DRAIN AND PAVING DETAILS

COLUMBIA VILLAGE OF HICKORY RIDGE SECTION 3 AREA 4 TAX MAP NO. 35 PARCEL NO. 395 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

FOR: COLUMBIA BUILDERS, INC. P.O. BOX 999 COLUMBIA, MD 21044

PHASE II

F-93-122