

PLAN
 SURVEYED, PLOTTED, CHECKED, RE-CHECKED, RT. OF WAY CHECKED, NOTE BOOK NO.

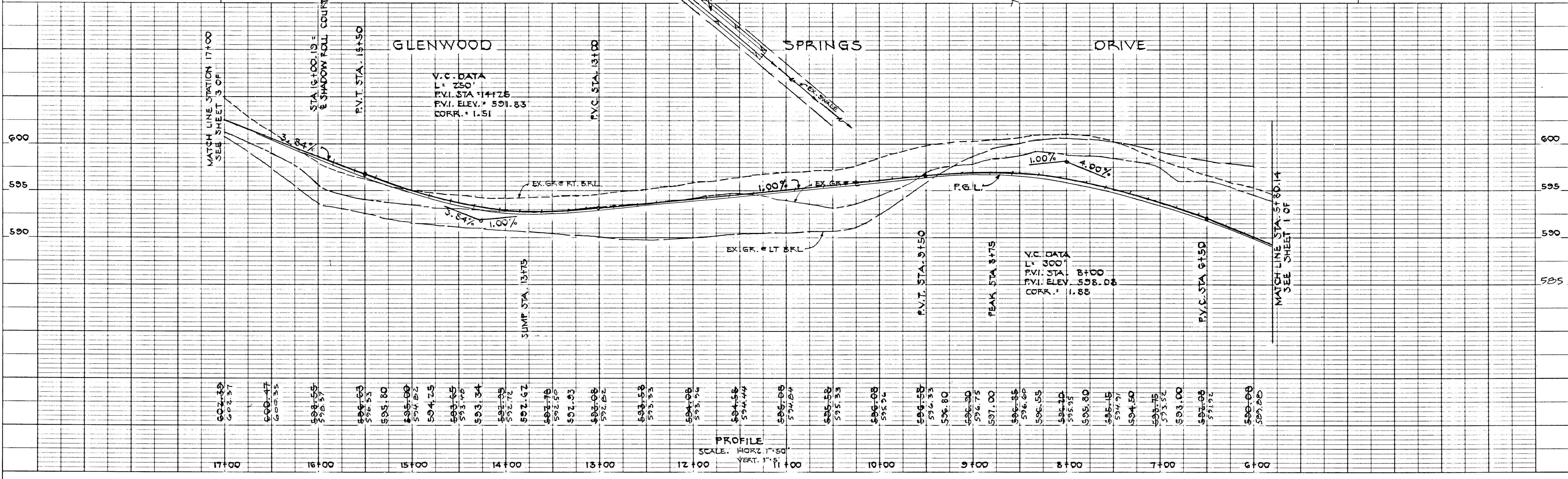
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 CHIEF, LAND DEVELOPMENT DIVISION
 DATE: 11-16-87

APPROVED: *Stanley W. Williams*
 CHIEF, BUREAU OF HIGHWAYS
 DATE: 12-3-87

APPROVED: *William B. Riley*
 CHIEF, BUREAU OF ENGINEERING
 DATE: 12-3-87

APPROVED: OFFICE OF PLANNING AND ZONING
John M. ...
 DATE: 11-16-87

PROFILE
 SURVEYED, PLOTTED, CHECKED, RE-CHECKED, STRUCTURE NOTATIONS OK'D, NOTE BOOK NO.



1359

GLENWOOD SPRINGS
 4TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

GLENWOOD SPRINGS DRIVE
 PLAN AND PROFILE

OWNER AND DEVELOPER
 GLENWOOD SPRING PARTNERSHIP
 P.O. BOX 122
 ELLICOTT CITY, MARYLAND 21043

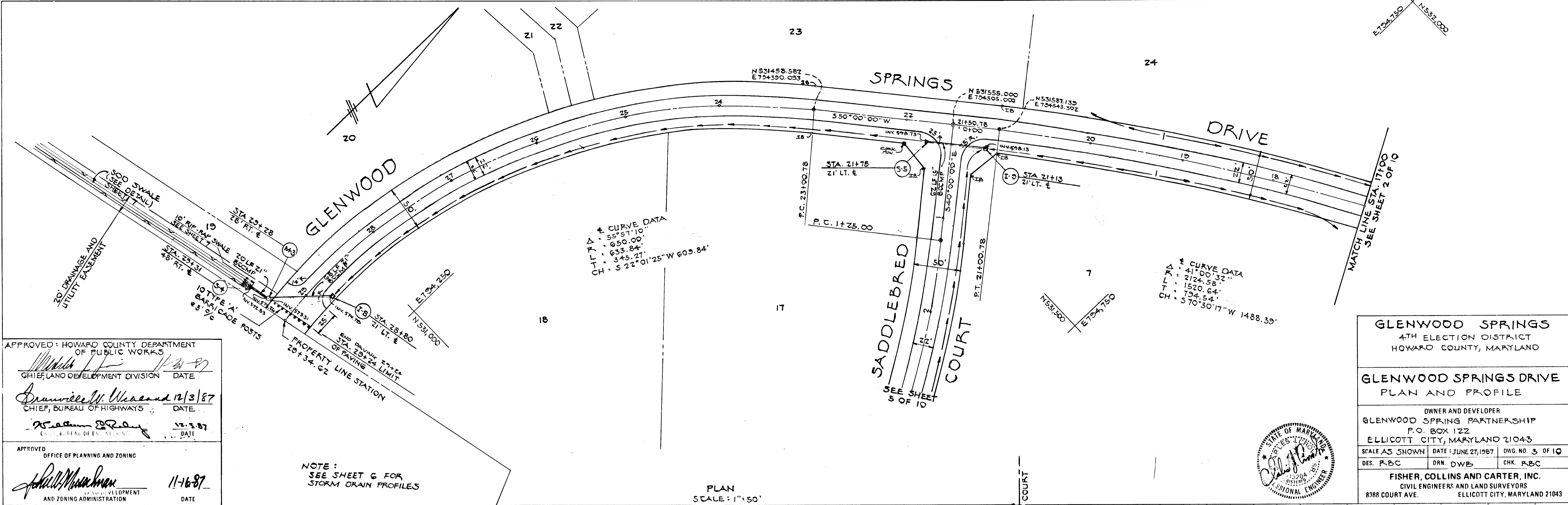
SCALE AS SHOWN DATE: JUNE 27, 1987 DWG. NO. 2 OF 10
 DES. RBC DRN. DWS CHK. RBC

FISHER, COLLINS AND CARTER, INC.
 CIVIL ENGINEERS AND LAND SURVEYORS
 838F COURT AVE ELLICOTT CITY, MARYLAND 21043



DATE	
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APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Chief, LAND DEVELOPMENT DIVISION DATE: 11-16-87
 Approved: *William W. Woodard* 12/3/87
 Chief, BUREAU OF HIGHWAYS DATE: 12-3-87
 Approved: *John W. Murchison* 11-16-87
 Office of PLANNING AND ZONING AND ZONING ADMINISTRATION DATE: 11-16-87

GLENWOOD SPRINGS
 4TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

GLENWOOD SPRINGS DRIVE
 PLAN AND PROFILE

OWNER AND DEVELOPER
 GLENWOOD SPRING PARTNERSHIP
 P.O. BOX 122
 ELLICOTT CITY, MARYLAND 21043

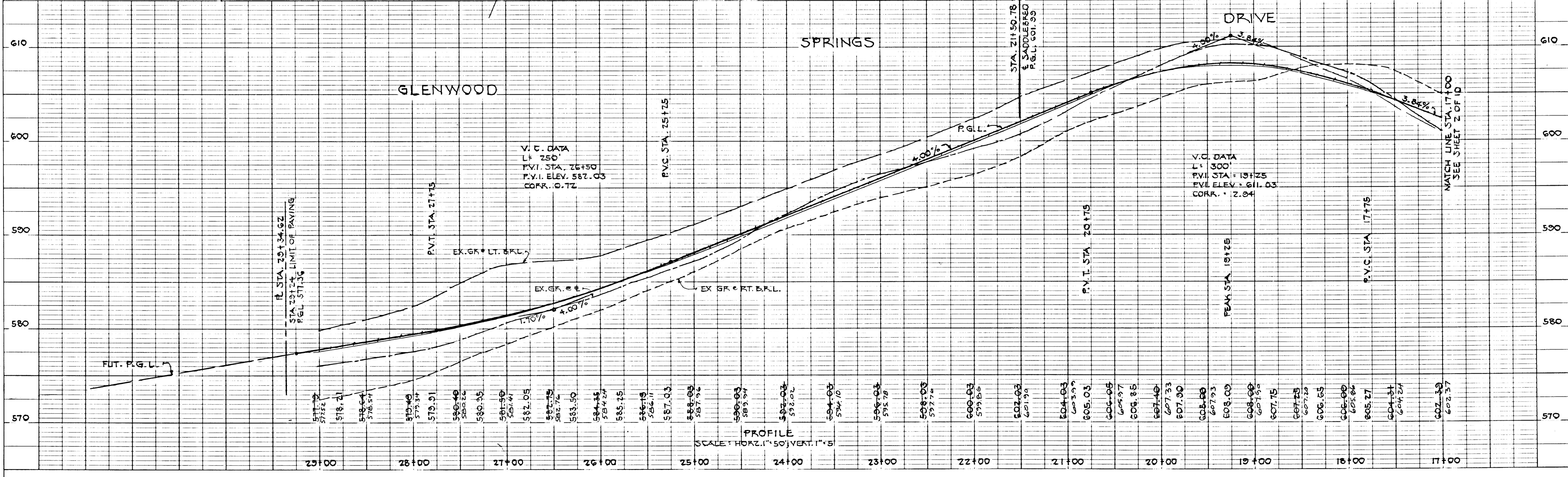
SCALE AS SHOWN DATE: JUNE 27, 1987 DWG. NO. 3 OF 10
 DES. R.B.C. DRN. D.W.B. CHK. R.B.C.

FISHER, COLLINS AND CARTER, INC.
 CIVIL ENGINEERS AND LAND SURVEYORS
 8388 COURT AVE. ELLICOTT CITY, MARYLAND 21043



NOTE: SEE SHEET G FOR STORM DRAIN PROFILES

PLAN SCALE: 1" = 50'



PROFILE SCALE: HORIZ. 1" = 50' VERT. 1" = 5'

1359

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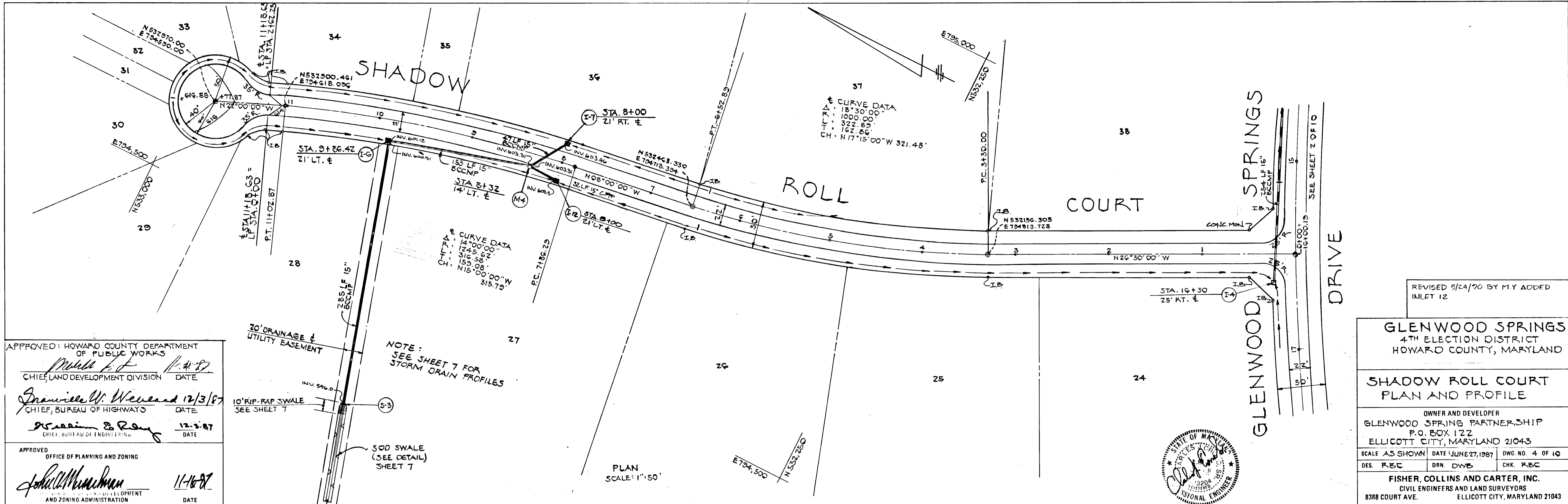
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 NOTE BOOK NO.

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Michael L. J. 11-4-87
 CHIEF, LAND DEVELOPMENT DIVISION DATE

Dr. William W. Weaver 12/3/87
 CHIEF, BUREAU OF HIGHWAYS DATE

William B. Ray 12-5-87
 CHIEF, BUREAU OF ENGINEERING DATE

APPROVED
 OFFICE OF PLANNING AND ZONING
John M. Murchman 11-16-87
 AND ZONING ADMINISTRATION DATE



REVISED 5/24/90 BY M.Y. ADDED INLET 12

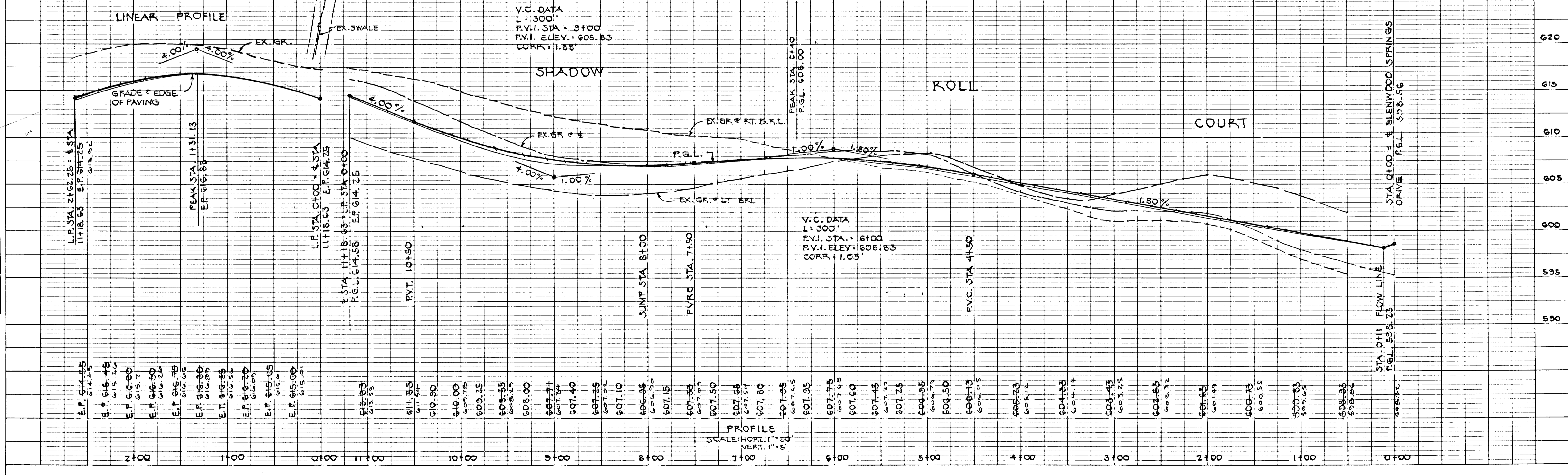
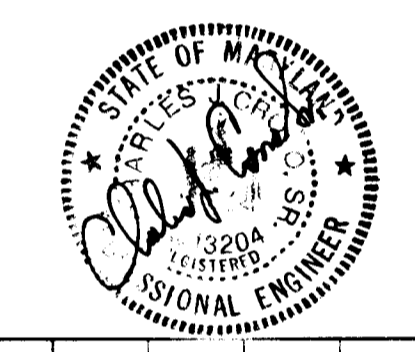
GLENWOOD SPRINGS
 4TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

SHADOW ROLL COURT
 PLAN AND PROFILE

OWNER AND DEVELOPER
 GLENWOOD SPRING PARTNERSHIP
 P.O. BOX 122
 ELLICOTT CITY, MARYLAND 21043

SCALE AS SHOWN DATE: JUNE 27, 1987 DWG. NO. 4 OF 10
 DES. REC. DRN. DWG. CHK. REC.

FISHER, COLLINS AND CARTER, INC.
 CIVIL ENGINEERS AND LAND SURVEYORS
 8388 COURT AVE. ELLICOTT CITY, MARYLAND 21043



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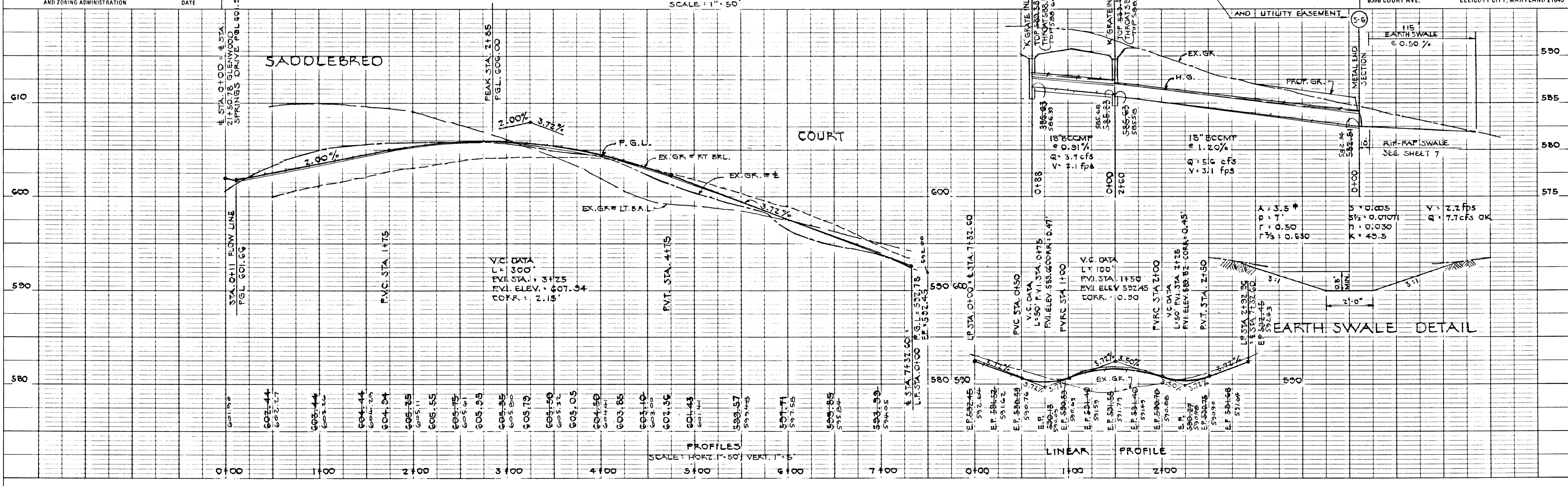
11.31.13 619.50

F-88-03
 AS-BUILT 2-10-92

DATE	
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APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 CHIEF, LAND DEVELOPMENT DIVISION DATE
Drummond W. Weaver 1/3/87
 CHIEF, BUREAU OF HIGHWAYS DATE
William E. Reay 12-2-87
 APPROVED OFFICE OF PLANNING AND ZONING
John M. ... 11-16-87
 AND ZONING ADMINISTRATION DATE

DATE	
BY	
SURVEYED	
PLOTTED	
CHECKED	
NOTE BOOK NO.	
STRUCTURE NOTATION CHFD	



GLENWOOD SPRINGS
 4TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

SADDELBRED COURT
 PLAN AND PROFILE

OWNER AND DEVELOPER
 GLENWOOD SPRING PARTNERSHIP
 P.O. BOX 122
 ELLICOTT CITY, MARYLAND 21043

SCALE AS SHOWN DATE JUNE 27, 1987 DWG. NO. 5 OF 10
 DES. RBC DRN. DWB CHK. RBC

FISHER, COLLINS AND CARTER, INC.
 CIVIL ENGINEERS AND LAND SURVEYORS
 8388 COURT AVE. ELLICOTT CITY, MARYLAND 21043



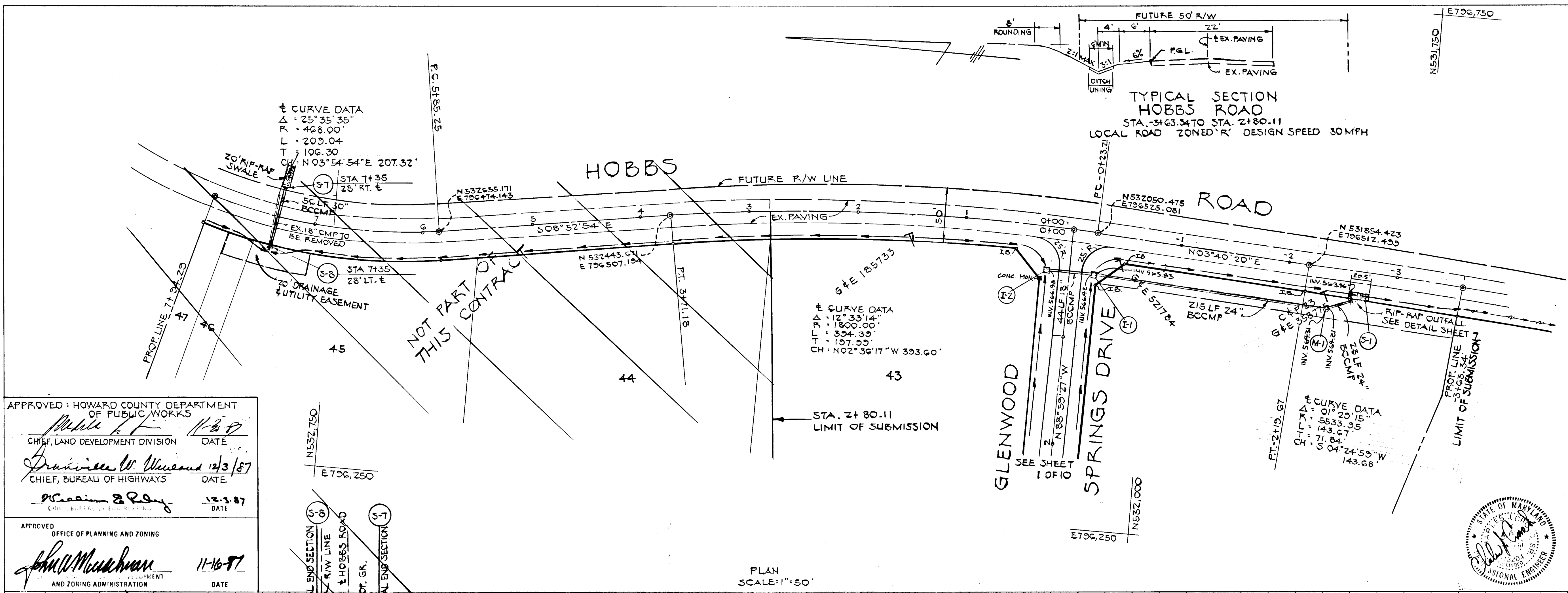
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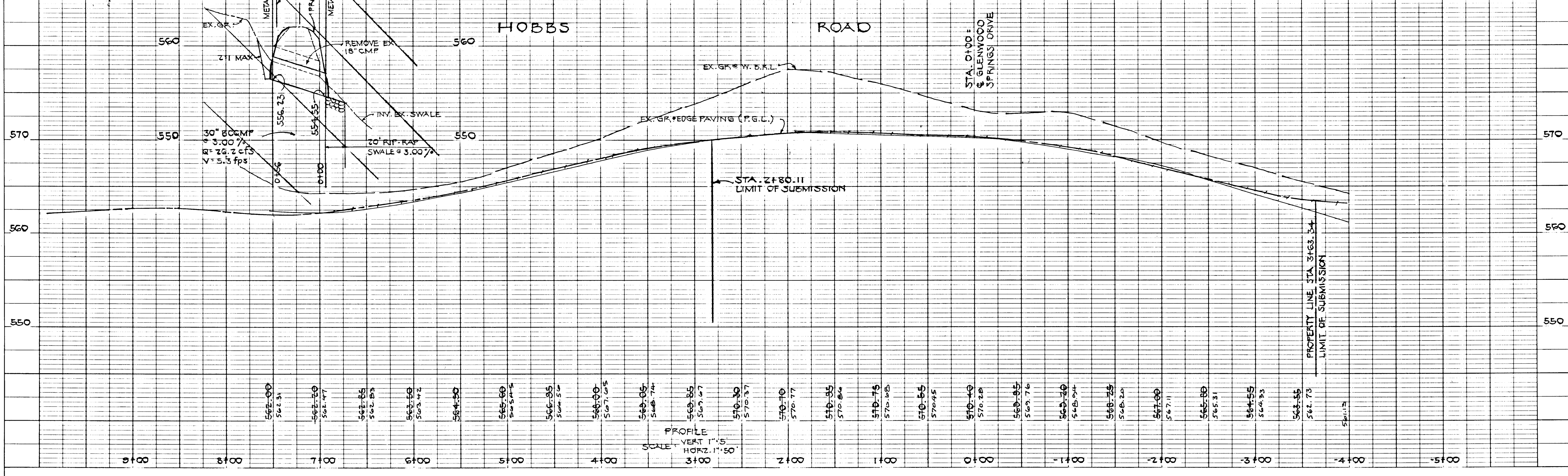
APPROVED - HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 CHIEF, LAND DEVELOPMENT DIVISION
 DATE 11-2-87
 CHIEF, BUREAU OF HIGHWAYS
 DATE 12-3-87
 CHIEF, OFFICE OF PLANNING AND ZONING
 DATE 11-16-87

PROFILE
 CURVES
 GRADES
 CHECKED
 PLOTTED
 STRUCTURE NOTATIONS CHECKED
 NO.

1339



PLAN SCALE 1"=50'



GLENWOOD SPRINGS
 4TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

HOBBS ROAD
 PLAN AND PROFILE

OWNER AND DEVELOPER
 GLENWOOD SPRING PARTNERSHIP
 P.O. BOX 122
 ELLICOTT CITY, MARYLAND 21043

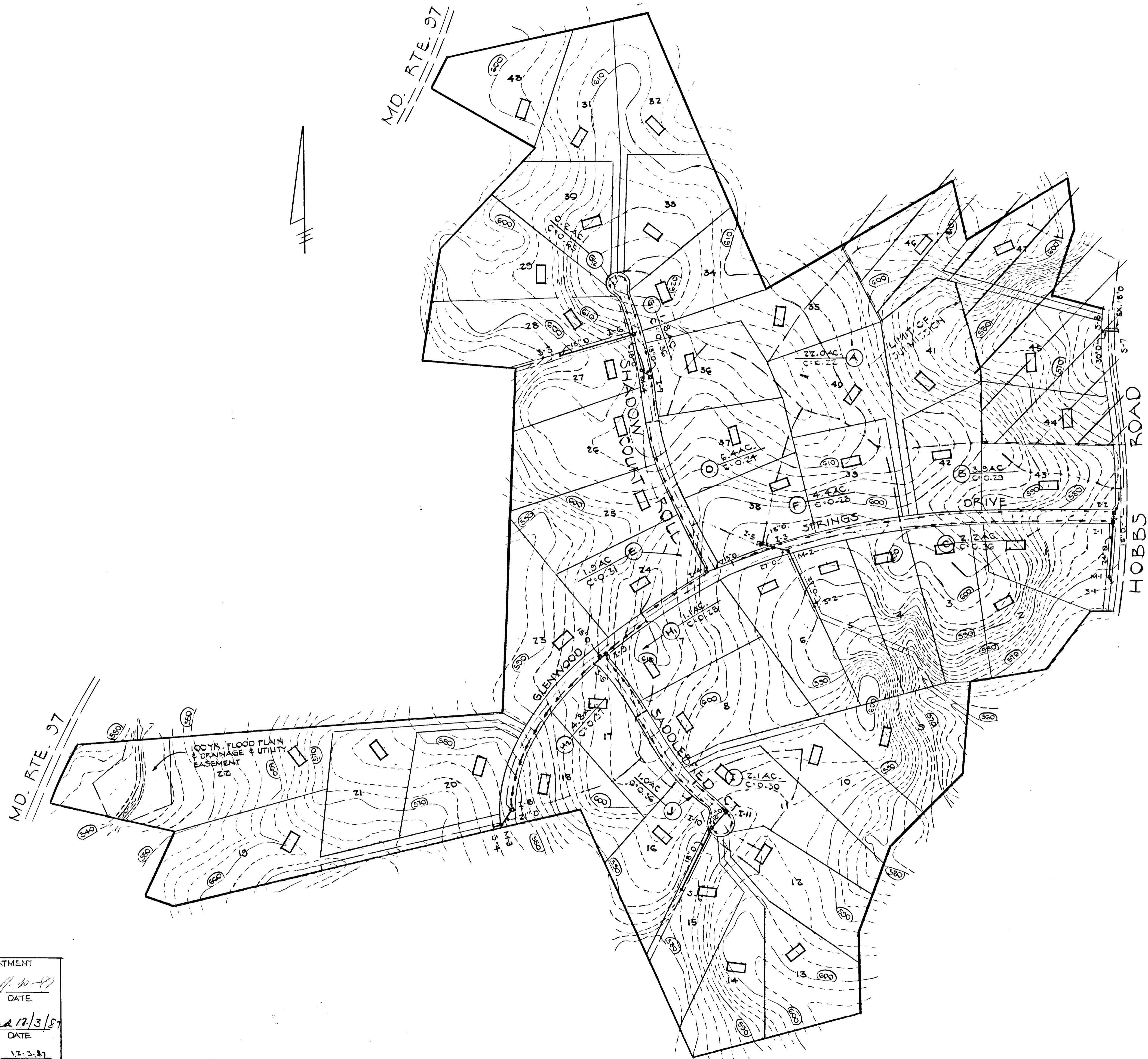
SCALE AS SHOWN DATE JUNE 27, 1987 DWG. NO. G OF 10
 DES. RBC DRN. DWB CHK. RBC

FISHER, COLLINS AND CARTER, INC.
 CIVIL ENGINEERS AND LAND SURVEYORS
 838R COURT AVE. ELLICOTT CITY, MARYLAND 21043



F-88-03

AS-BUILT 2-10-92



PLAN
SCALE: 1" = 200'

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
William W. Newland 12/3/87
 CHIEF, LAND DEVELOPMENT DIVISION DATE
William W. Newland 12/3/87
 CHIEF, BUREAU OF HIGHWAYS DATE
William W. Newland 12/3/87
 CHIEF, BUREAU OF ENGINEERING DATE
 APPROVED: OFFICE OF PLANNING AND ZONING
William W. Newland 1/16/87
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

GLENWOOD SPRINGS
 4TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

DRAINAGE AREA MAP

OWNER AND DEVELOPER,
 GLENWOOD SPRING PARTNERSHIP
 P.O. BOX 122
 ELLICOTT CITY, MARYLAND 21043

SCALE: AS SHOWN	DATE: JUNE 27, 1987	DWG. NO. 8 OF 10
DES. RBC	DRN. DWB	CHK. RBC

FISHER, COLLINS AND CARTER, INC.
 CIVIL ENGINEERS AND LAND SURVEYORS
 8388 COURT AVE.
 ELLICOTT CITY, MARYLAND, 21043



SEDIMENT 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. (992-2437)
- 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 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- Following initial soil disturbance or redisturbance, 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 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 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 rates 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	152.45 Acres
Area Disturbed	2.3 Acres
Area to be roofed or paved	2.6 Acres
Area to be vegetatively stabilized	6.7 Acres
Total Cut	11,000 Cu. yds
Total Fill	11,000 Cu. yds
Offsite waste/borrow area location	N/A
- 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.
- 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.

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.

Soil Amendments: In lieu of soil test recommendations, use one of the following schedules:

- 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. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq ft).
- 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 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 (.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 of 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 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.

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

TEMPORARY SEEDING NOTES

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

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

Soil Amendments: Apply 60 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 bushel per acre of annual rye (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 unrotted 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 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Chief, Land Development Division DATE 11-2-87

Shawnee W. Hines 11-2-87
Chief, Bureau of Highways

8 Ray 11-2-87
Chief, Bureau of Engineering

APPROVED: OFFICE OF PLANNING AND ZONING

11-16-87
DATE

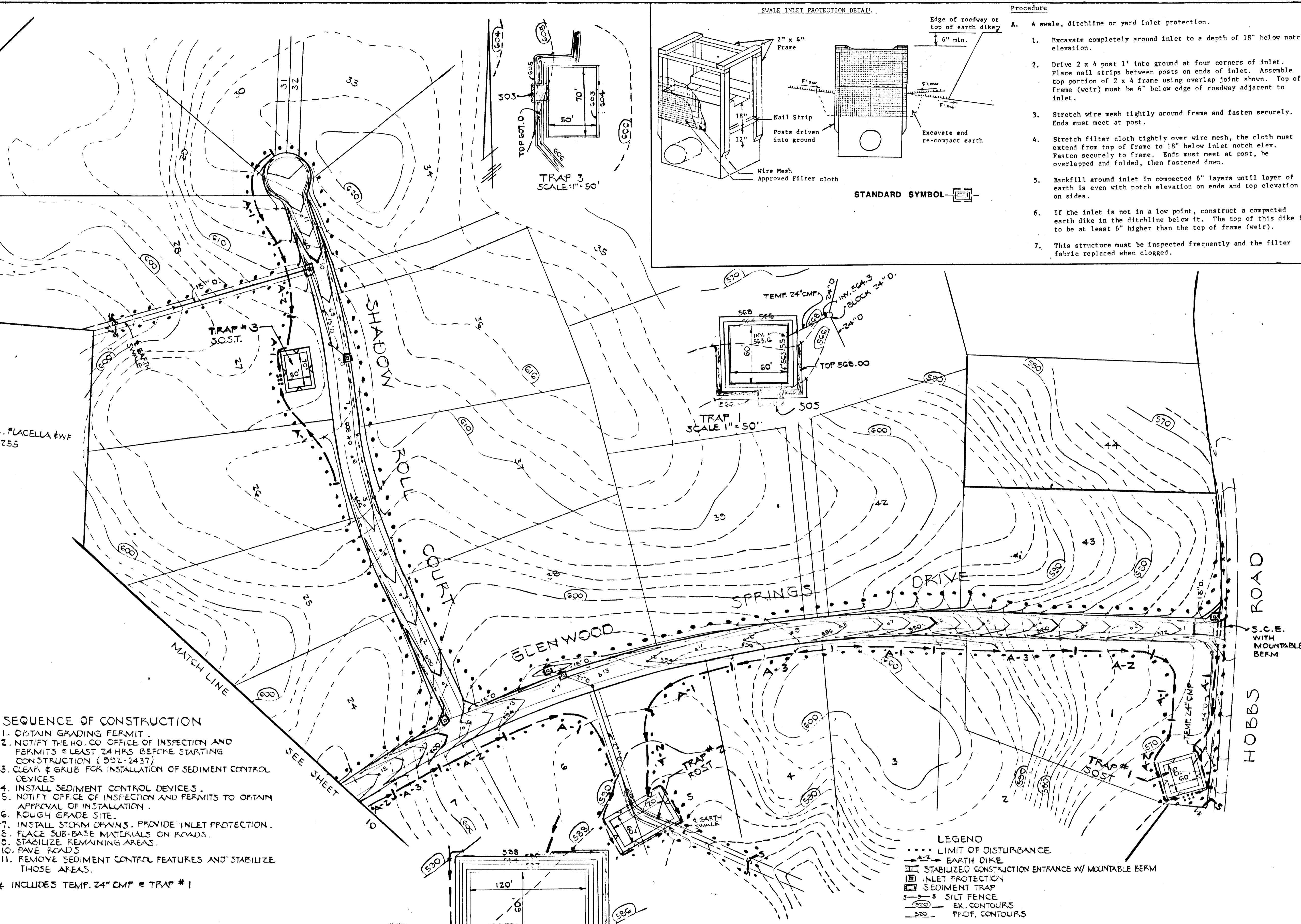
Reviewed for HOWARD S.C.D. and Storm-Technical Requirements

11-12-87
Date

U.S. Soil Conservation Service

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

11-16-87
Date



- SEQUENCE OF CONSTRUCTION**
- OBTAIN GRADING PERMIT.
 - NOTIFY THE HO. CO OFFICE OF INSPECTION AND PERMITS AT LEAST 24 HRS BEFORE STARTING CONSTRUCTION (992-2437)
 - CLEAR & GRUB FOR INSTALLATION OF SEDIMENT CONTROL DEVICES.
 - INSTALL SEDIMENT CONTROL DEVICES.
 - NOTIFY OFFICE OF INSPECTION AND PERMITS TO OBTAIN APPROVAL OF INSTALLATION.
 - ROUGH GRADE SITE.
 - INSTALL STORM DRAINAGE. PROVIDE INLET PROTECTION.
 - PLACE SUB-BASE MATERIALS ON ROADS.
 - STABILIZE REMAINING AREAS.
 - PAVE ROADS.
 - REMOVE SEDIMENT CONTROL FEATURES AND STABILIZE THOSE AREAS.
- * INCLUDES TEMP. 24" CMP @ TRAP #1

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 of Attendance at a Department of Natural Resources 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."

Philip Mangit 6/30/87
Signature of Developer Date

ENGINEER'S CERTIFICATE

"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."

6/30/87
Signature of Engineer Date

TRAP SCHEDULE

NO.	TYPE	EXIST. D.A.	PROP. D.A.	VOL. REQ.	VOL. PROV.	SIZE	EX. GR. E. OUTLET	TOP WEIR	TOP DAM	BOTT. POND	LENGTH WEIR	DEPTH OF STONE CHANNEL	CLEANOUT DEPTH & ELEV.
1	STONE OUTLET SEDIMENT TRAP ST. VI	4.5AC	4.9AC	4.9X1800 8820CF	8820CF	60'x60'x 2.45'	566.0	567.0	568.0	563.55	4.0x4 = 20'	NA	564.75
2	RIP-RAP OUTLET SEDIMENT TRAP ST. VII	14.2AC	13.9AC	4.2X1800 25,560CF	25,560CF	120'x60'x 3.55'	586.3	585.3	588.3	580.75	18'	2'	582.55
3	STONE OUTLET SEDIMENT TRAP ST. III	3.7AC	3.7AC	3.7X1800 6660CF	7000CF	60'x10'x 2.0'	605.0	606.0	607.0	603.0	3.7x4 = 15'	NA	604.0
4	RIP-RAP OUTLET SEDIMENT TRAP ST. IV	4.7AC	4.3AC	4.7X1800 8460CF	8700CF	60'x60'x 2.9'	588.0	589.0	590.0	585.1	4.7x4 = 19'	NA	586.55
5	RIP-RAP OUTLET SEDIMENT TRAP ST. V	6.4AC	6.4AC	6.4X1800 11,520CF	11,700CF	60'x60'x 2.6'	574.0	573.0	575.5	569.4	16'	1.5'	570.7

GLENWOOD SPRINGS
4TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

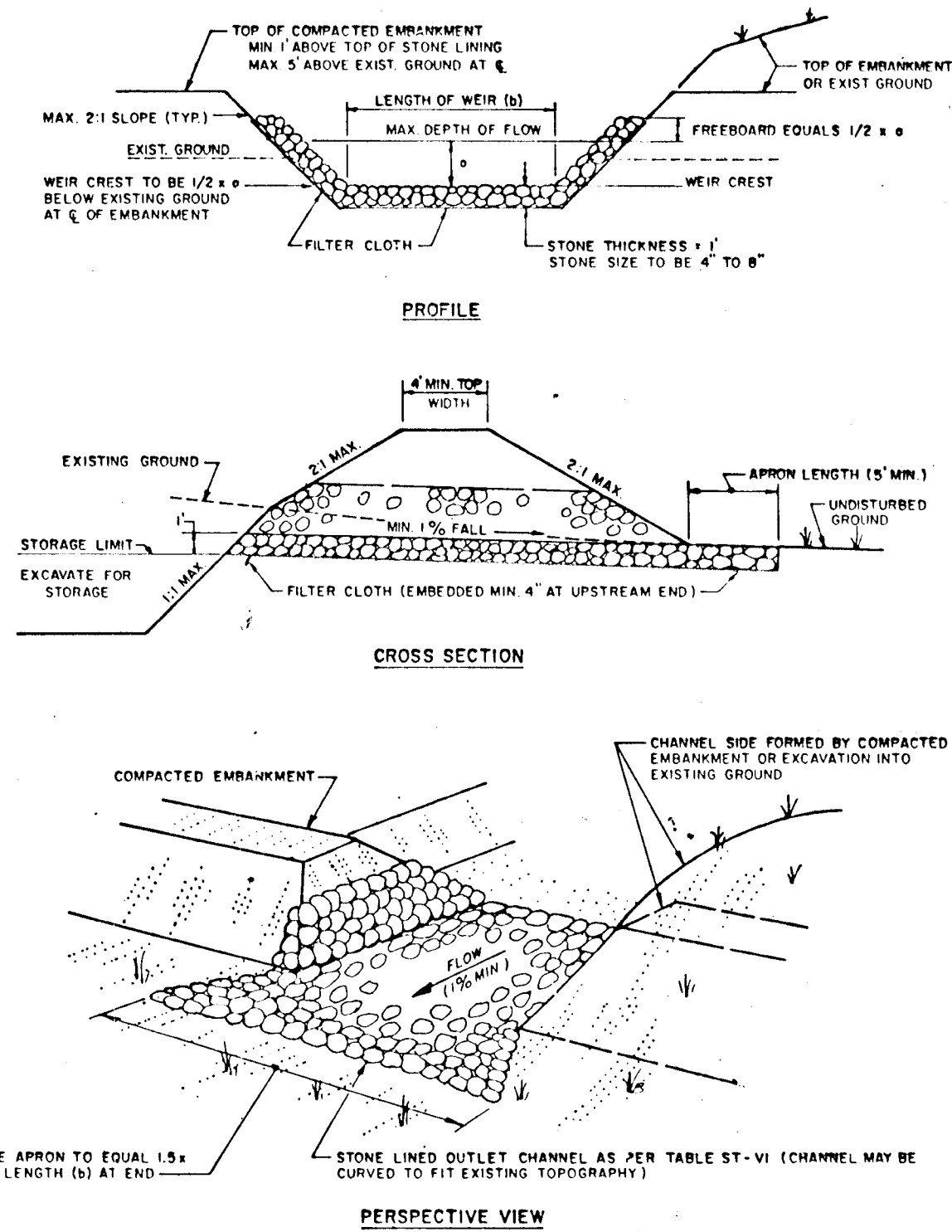
SEDIMENT CONTROL PLAN

OWNER AND DEVELOPER
GLENWOOD SPRING PARTNERSHIP
P.O. BOX 122
ELLICOTT CITY, MARYLAND 21043

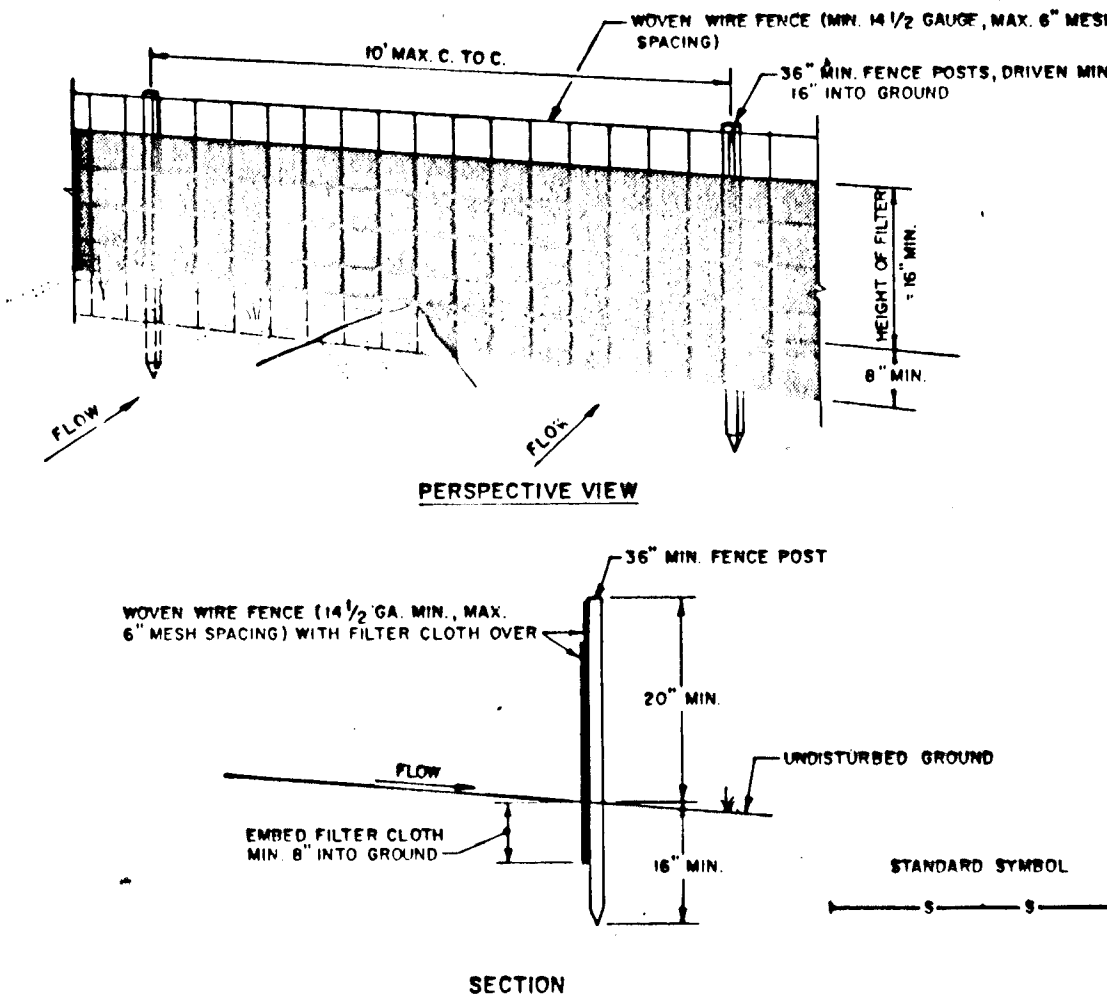
SCALE: 1"=100' DATE: JUNE 27, 1987 DWG. NO. 9 OF 10
DES. R.B.C. DRN. DWB CHK. R.B.C.

FISHER, COLLINS AND CARTER, INC.
CIVIL ENGINEERS AND LAND SURVEYORS
8388 COURT AVE. ELICOTT CITY, MARYLAND 21043

RIPRAP OUTLET SEDIMENT TRAP ST-VI



SILT FENCE

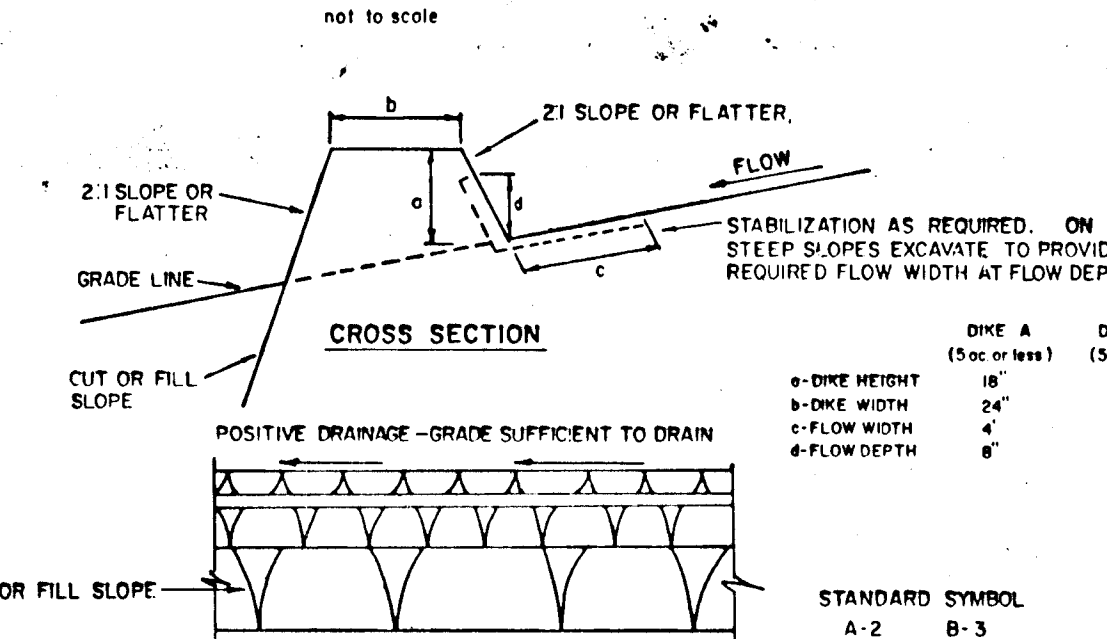


- CONSTRUCTION NOTES FOR FABRICATED SILT FENCE
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
 2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 4" AT TOP AND MID SECTION.
 3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
 4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
- POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD
 FENCE: WOVEN WIRE, 14 GA. 6" MAX. MESH OPENING
 FILTER CLOTH: FILTER X, HIRAFI, LINDSAY, STABIL-LINKA L1400 OR APPROVED EQUAL
 PREFABRICATED UNIT: GEOFAB, DAVINFENCE, OR APPROVED EQUAL.

U.S. DEPARTMENT OF AGRICULTURE
 SOIL CONSERVATION SERVICE
 COLLEGE PARK, MARYLAND

RIPRAP OUTLET SEDIMENT TRAP
 STANDARD DRAWING
 ST-VI

EARTH DIKE



CONSTRUCTION SPECIFICATIONS

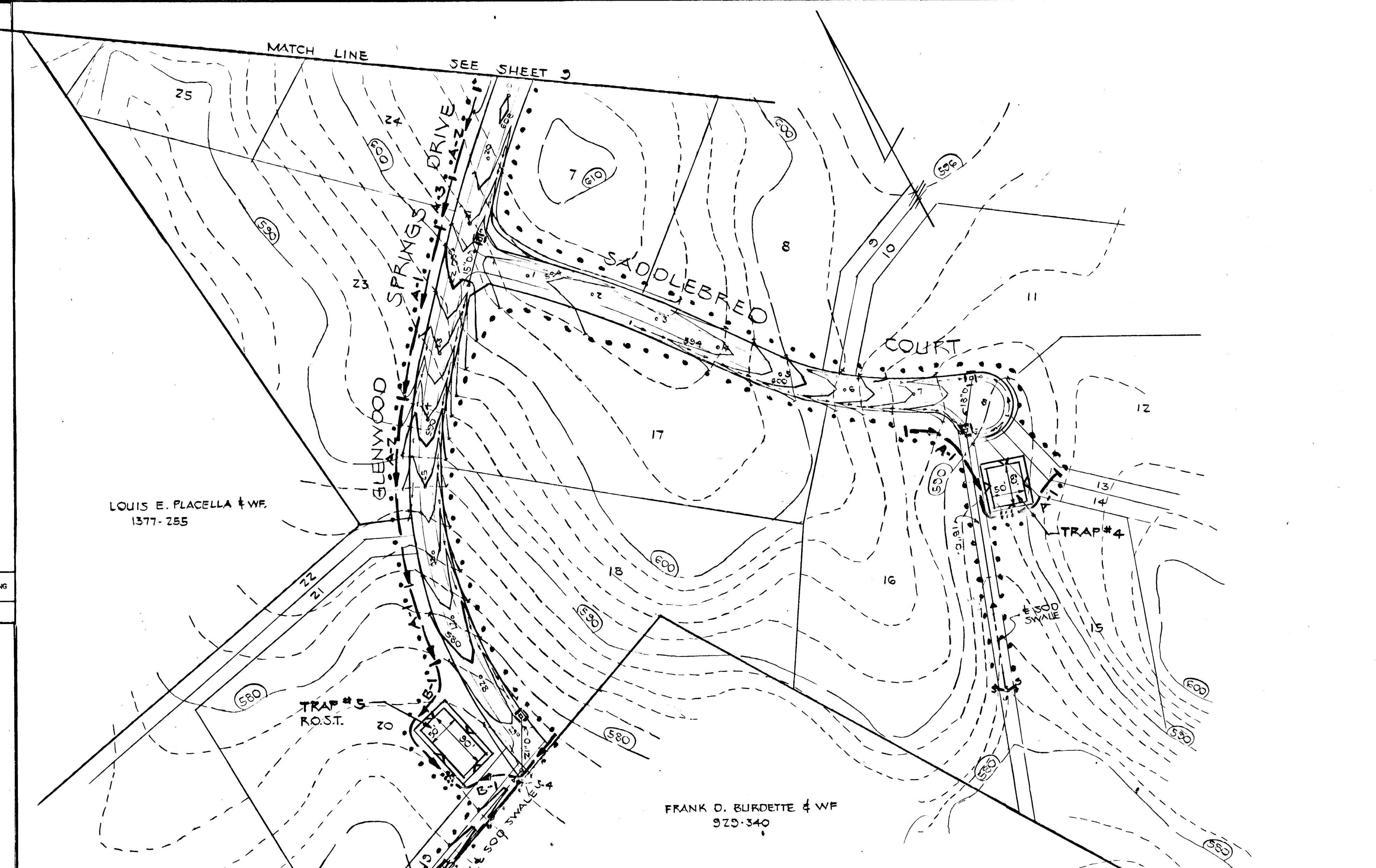
1. ALL DIKES SHALL BE COMPACTED BY EARTH-MOVING EQUIPMENT.
2. ALL DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
3. TOP WIDTH MAY BE WIDER AND SIDE SLOPES MAY BE FLATTER IF DESIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
4. FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED SAFE OUTLET. EARTH DIKES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINIMUM OF EROSION. PUNCTURE SHALL BE CORRECTED 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.
5. 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	CHANNEL GRADE	DIKE A	DIKE B
1	5-3.0%	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1-5.0%	SEED AND STRAW MULCH	SEED USING JUTE, OR EXCELSTOR; SOD; 2" STONE
3	5.1-8.0%	SEED WITH JUTE, OR SOD; 2" STONE	LINED RIP-RAP 4-8"
4	8.1-20%	LINED RIP-RAP 4-8"	ENGINEERING DESIGN

A. 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.
 B. RIP-RAP TO BE 4-8 INCHES IN A LAYER AT LEAST 8 INCHES THICKNESS AND PRESSED INTO THE SOIL.
 C. APPROVED EQUIVALENTS CAN BE SUBSTITUTED FOR ANY OF THE ABOVE MATERIALS.
 7. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

U.S. DEPARTMENT OF AGRICULTURE
 SOIL CONSERVATION SERVICE
 COLLEGE PARK, MARYLAND

EARTH DIKE
 STANDARD DRAWING
 ED-1



- CONSTRUCTION SPECIFICATIONS FOR ST-VI
1. The area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
 2. 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.
 3. All fill slopes shall be 2:1 or flatter; cut slopes 1:1 or flatter.
 4. Elevation of the top of any dike directing water into trap must equal or exceed the height of embankment.
 5. 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.
 6. 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.
 7. Stone used in the outlet channel shall be four (4) to eight (8) inches (riprap). To provide a filtering effect, a layer of filter cloth shall be embedded one (1) foot back into the upstream face of the outlet stone or one (1) foot thick layer of two (2) inch or finer aggregate shall be placed on the upstream face of the outlet.
 8. 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.
 9. The structure shall be inspected after each rain and repaired as needed.
 10. Construction operations shall be carried out in such a manner that erosion and water pollution are minimized.
 11. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.
 12. Drainage area for this practice is limited to 15 acres or less.

U.S. DEPARTMENT OF AGRICULTURE
 SOIL CONSERVATION SERVICE
 COLLEGE PARK, MARYLAND

RIPRAP OUTLET SEDIMENT TRAP
 STANDARD DRAWING
 ST-VI

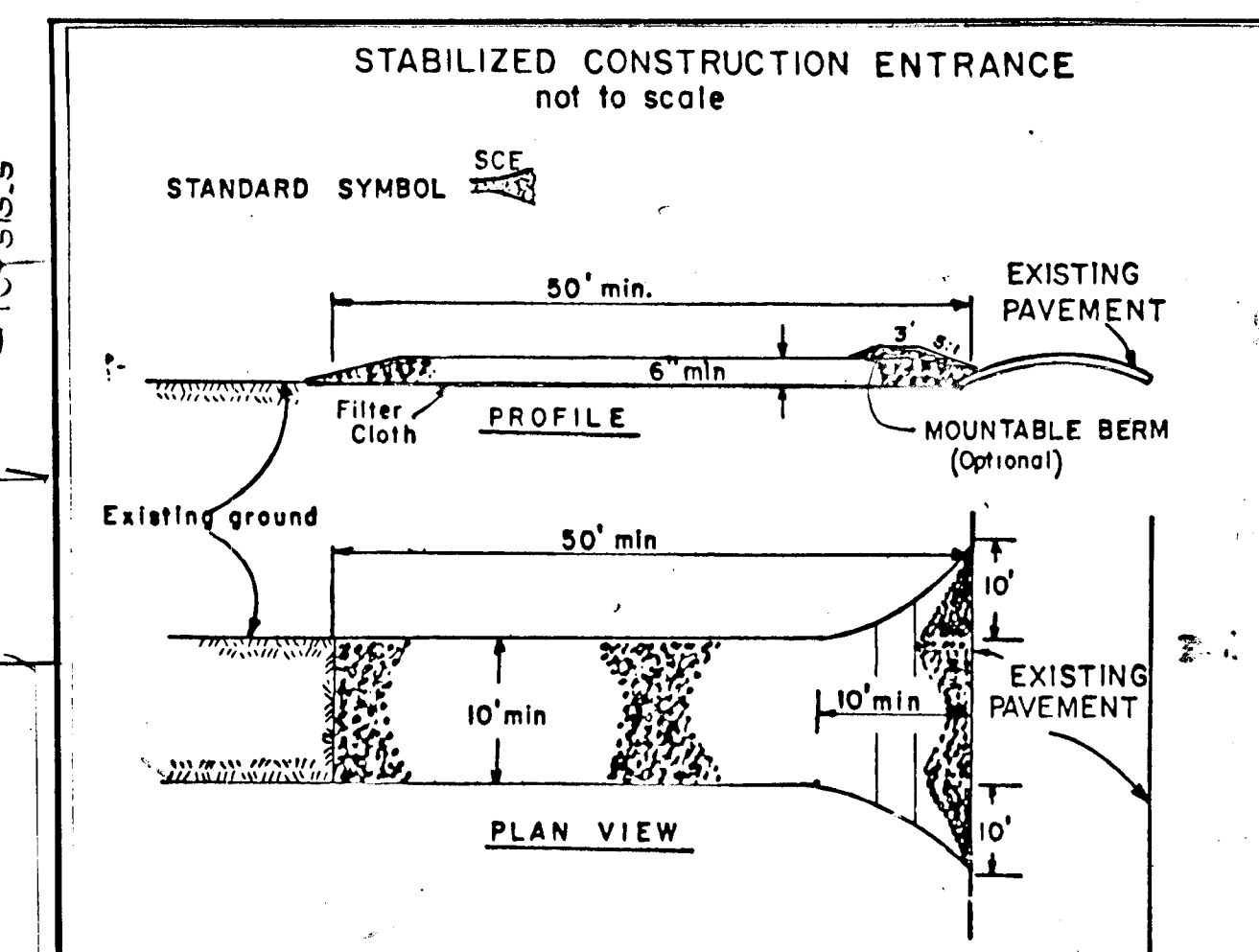
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Chief, Land Development Division
 Date: 11/12/87

Reviewed for HOWARD S.C.O. and meets Technical Requirements
 Date: 11-12-87

APPROVED
 Office of Planning and Zoning
 Date: 11-16-87

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 of Attendance at a Department of Natural Resources 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."
 Signature of Developer: Philip A. Magley
 Date: 11/12/87

ENGINEER'S CERTIFICATE
 "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 of Engineer: Charles C. ...
 Date: 11/5/87



- CONSTRUCTION SPECIFICATIONS
1. Stone Size - Use 2" stone, or reclaimed or recycled concrete equivalent.
 2. Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
 3. Thickness - Not less than six (6) inches.
 4. Width - Ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs.
 5. Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
 6. Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 slopes will be permitted.
 7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanup of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.
 8. Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-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.
 9. Periodic inspection and needed maintenance shall be provided after each rain.

GLENWOOD SPRINGS
 4TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

SEDIMENT CONTROL
 PLAN

OWNER AND DEVELOPER
 GLENWOOD SPRING PARTNERSHIP
 P.O. BOX 122
 ELLICOTT CITY, MARYLAND 21043

SCALE: 1" = 100' DATE: JUNE 27, 1987 DWG. NO. 10 OF 10
 DES. R.B.C. DRN. O.W.B. CHK. R.B.C.

FISHER, COLLINS AND CARTER, INC.
 CIVIL ENGINEERS AND LAND SURVEYORS
 8388 COURT AVE. ELLICOTT CITY, MARYLAND 21043

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