

ENGINEER'S CERTIFICATE
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICABLE 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.
 EARL D. WILSON
 11-4-82
 DATE

DEVELOPER'S CERTIFICATE
 "I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL 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 OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY."
 John M. Wicks
 11/4/82
 DATE

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
 James M. Wilson
 1-21-83
 DATE
 THIS DEVELOPMENT PLAN IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 Howard Soil Conservation District
 1-21-83
 DATE

GENERAL NOTES
 1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH HOWARD COUNTY STANDARDS SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
 2. ALL UTILITY COMPANIES MUST BE NOTIFIED 24 HOURS IN ADVANCE OF ANY CONSTRUCTION.
 3. STORM DRAIN TRENCHES WITHIN ROAD RIGHT-OF-WAYS SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH HOWARD COUNTY ROAD CODE.
 4. ANY DAMAGE TO PUBLIC RIGHT-OF-WAYS OR PAVING WILL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
 5. CONTRACTOR TO NOTIFY THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS AND PERMITS AT LEAST 3 DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS. TELEPHONE: 992-2430

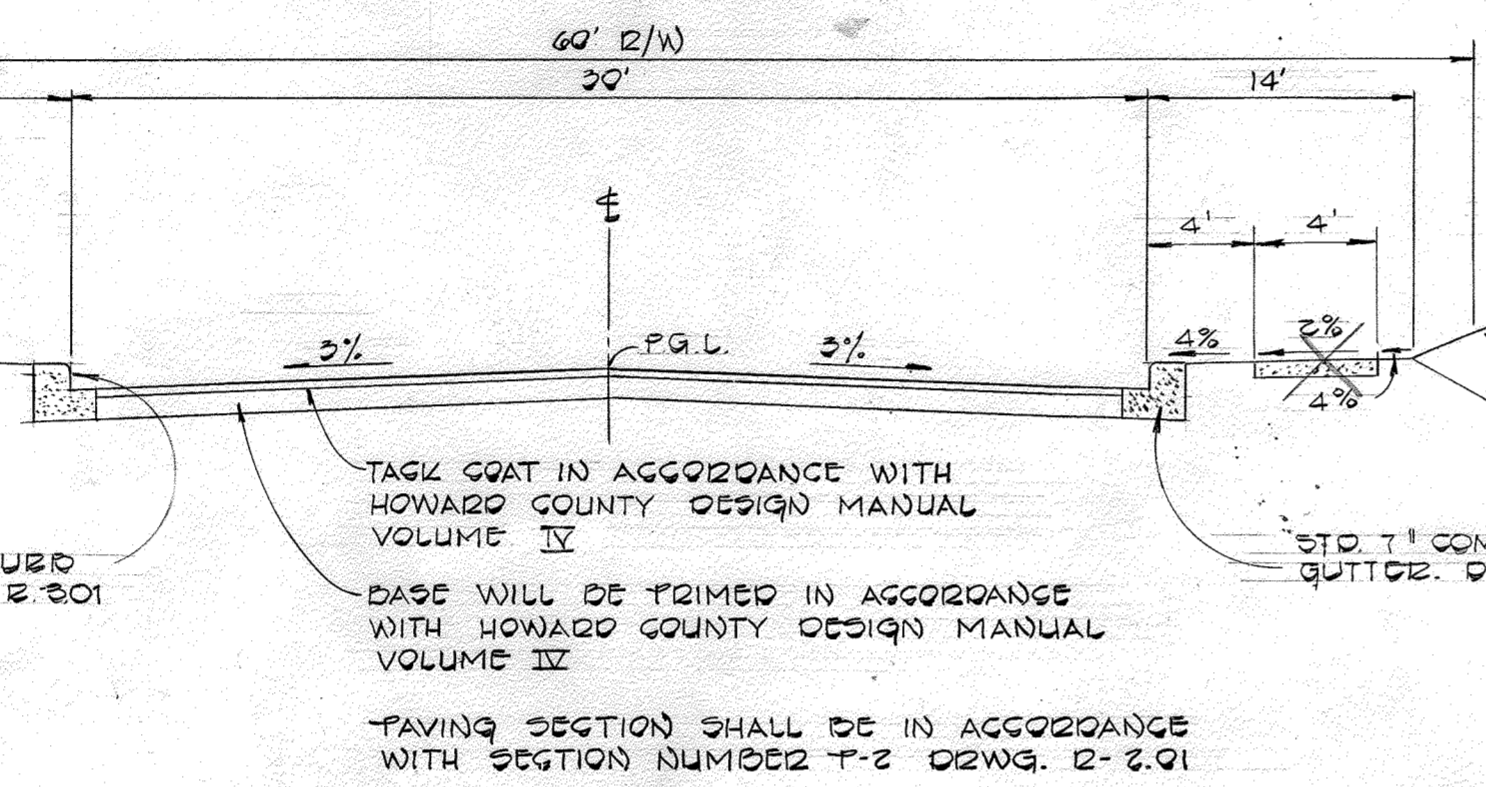
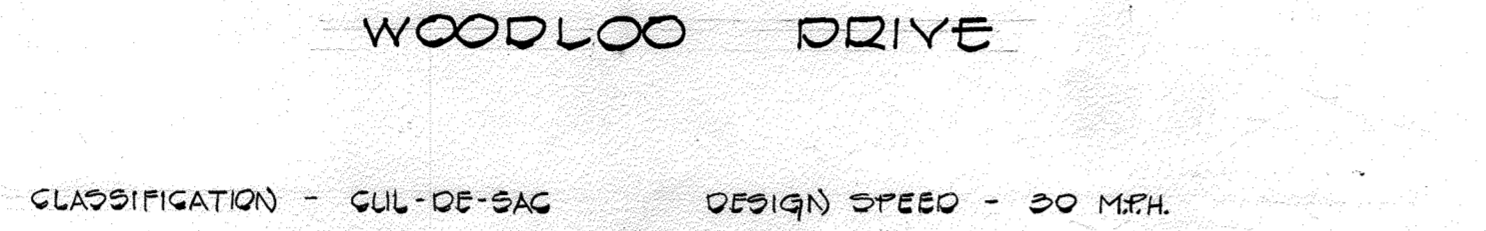
BENCH MARKS
 B.M. CS-40 ELEV. = 353.89
 3/4" IRON PIPE SET
 B.M. CS-41 ELEV. = 370.03
 1" IRON PIPE SET

APPROVED
 DEPARTMENT OF PUBLIC WORKS
 William E. Kelly
 1-26-83
 CHIEF, BUREAU OF ENGINEERING
 DATE

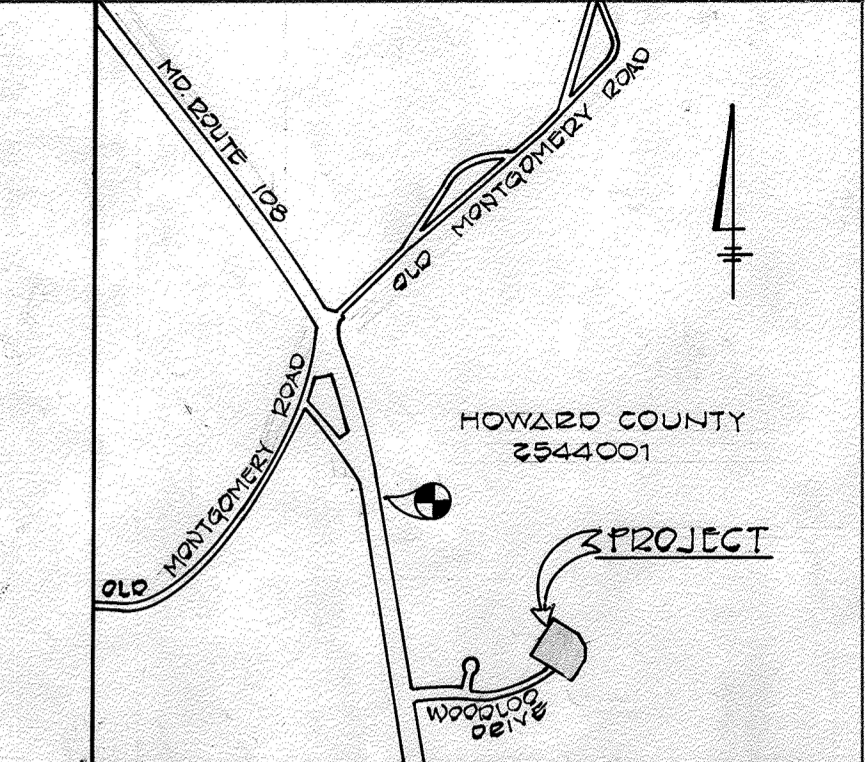
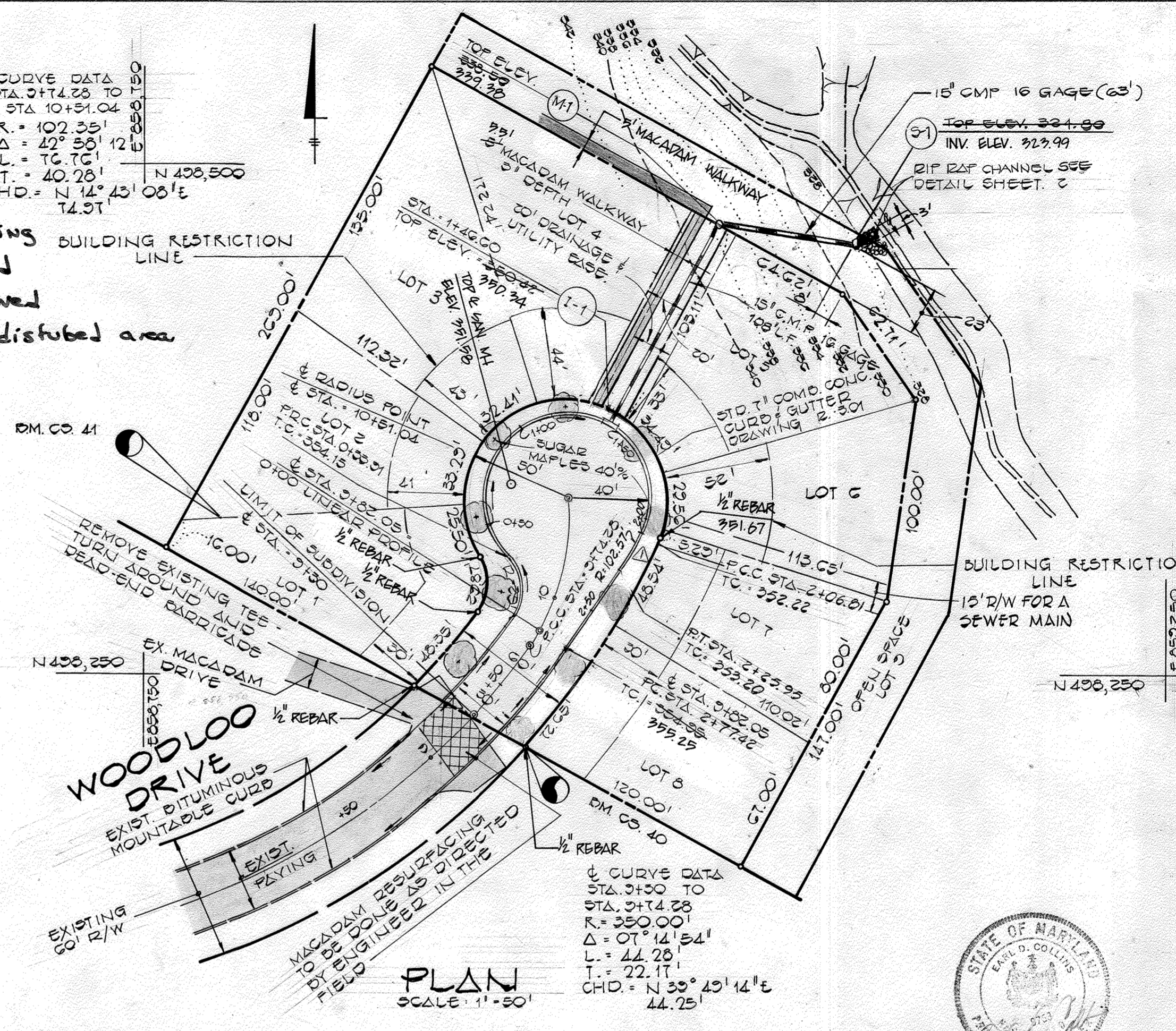
APPROVED
 OFFICE OF PLANNING AND ZONING
 John M. Wicks
 1-24-83
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION
 DATE

BENCH MARK
 HO CO. 2544001 ELEV. 401.028
 COORDINATES
 N 400,210.70 E 857,856.64

Plan Revision Note: On or around 10/23/2020 Capital Project D-1176 entitled "Woodcrest Drive Stream Rehabilitation Project" was created to stabilize approx. 3,645 LF along four unnamed tributaries to Deep Run, replace existing 54" in CMP with 72" in RCP culvert, and replace existing pedestrian bridge illustrated within the limits of this site plan. An alternative compliance was processed through the Department of Planning and Zoning under WP-20-061, approved on 2/13/2020, to waive Section 16.185(a)(1)(i), Section 16.1201 (N), and Section 16.1205(a)(7) of the Subdivision and Land Development Regulations subject to four approved conditions. For the detailed conditions of approval and current site conditions within the disturbed area please see the capital project plans.



ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL - VOLUME II - STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION



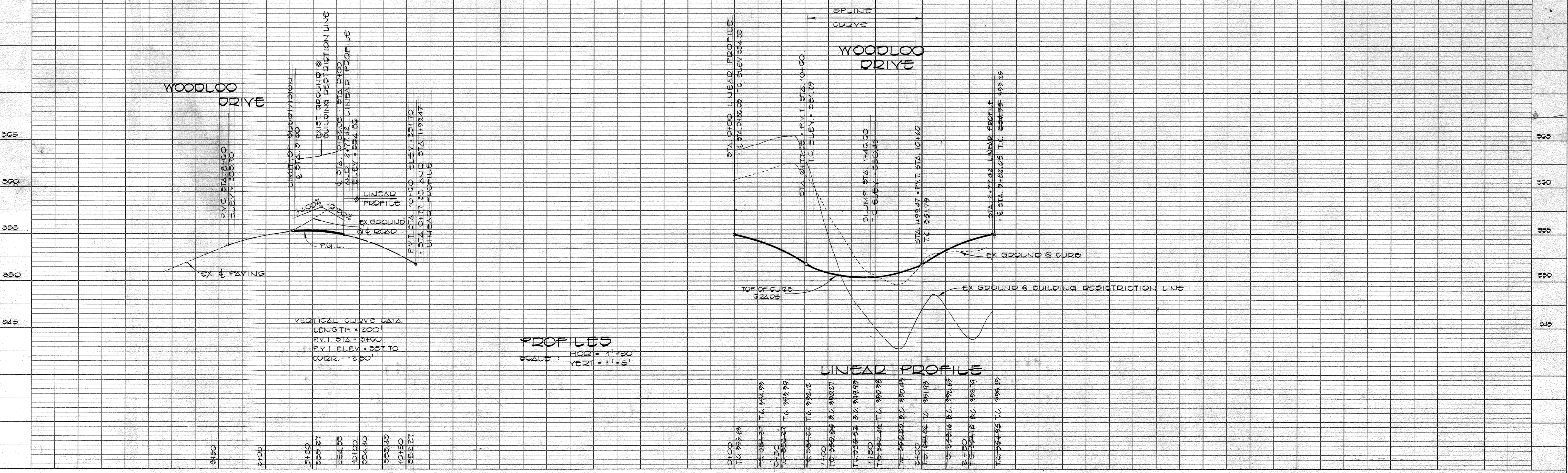
WOODLAND PARK SECTION ONE AREA ONE
 FIRST ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

WOODLOO DRIVE PLAN AND PROFILE

OWNER AND DEVELOPER
 COLWELL - IAGER 8904 BRIARCROFT LANE LAUREL, MARYLAND 20810
 MEADOWLAND JOINT VENTURE 8659 BALTIMORE NATIONAL PIKE ELLICOTT CITY, MARYLAND 21043

SCALE AS SHOWN DATE NOV. 4, 1982 DWG. NO. 1 OF 2
 DES. C. CROVO DRN. K. FRALIC CHK. R. B. CARTER

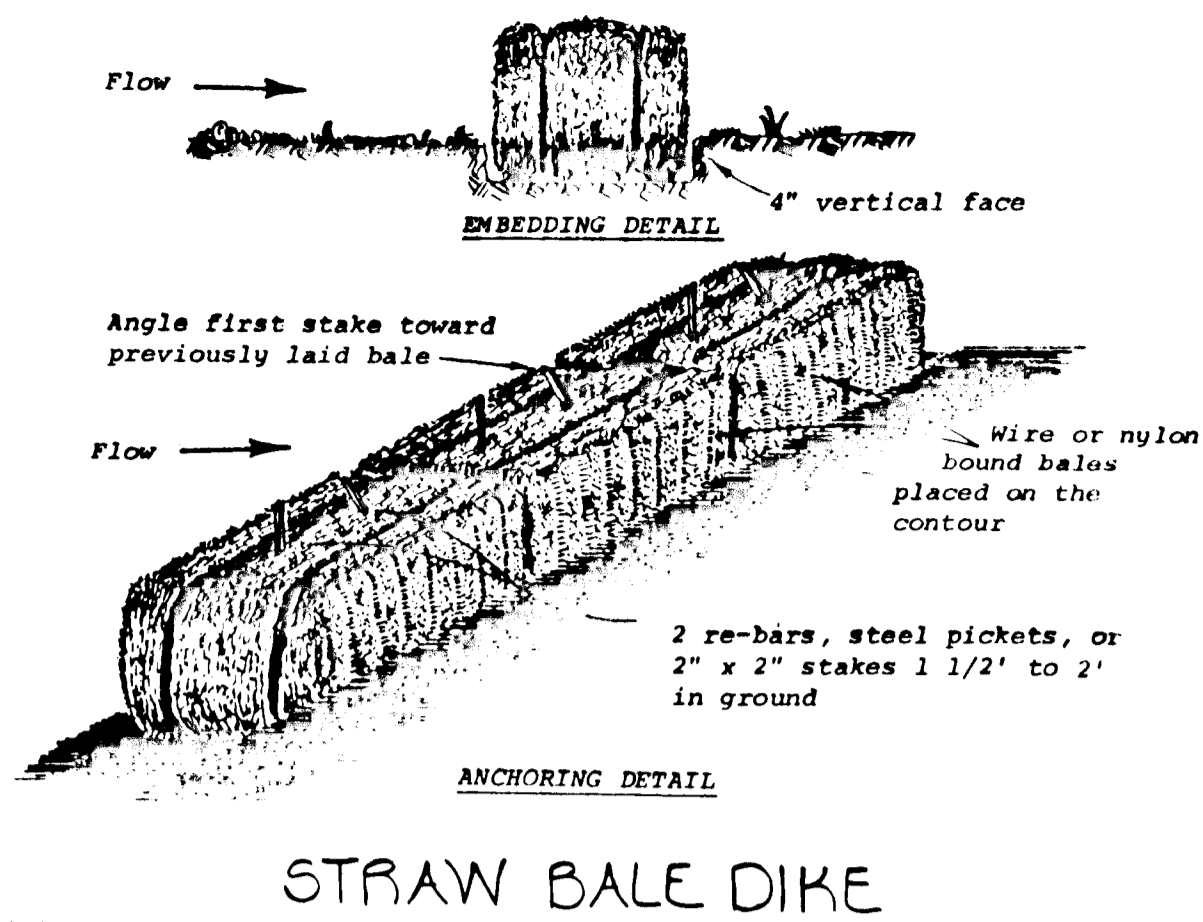
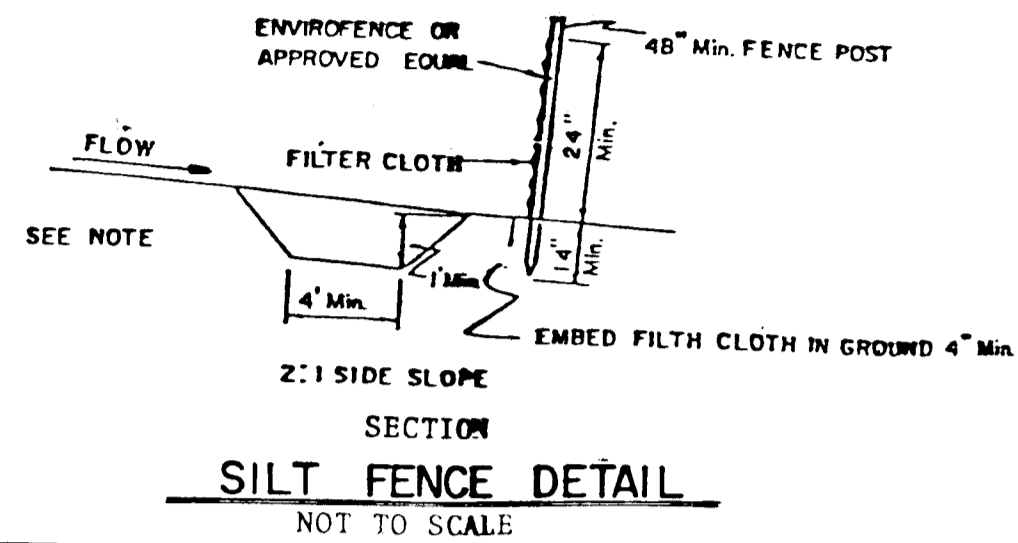
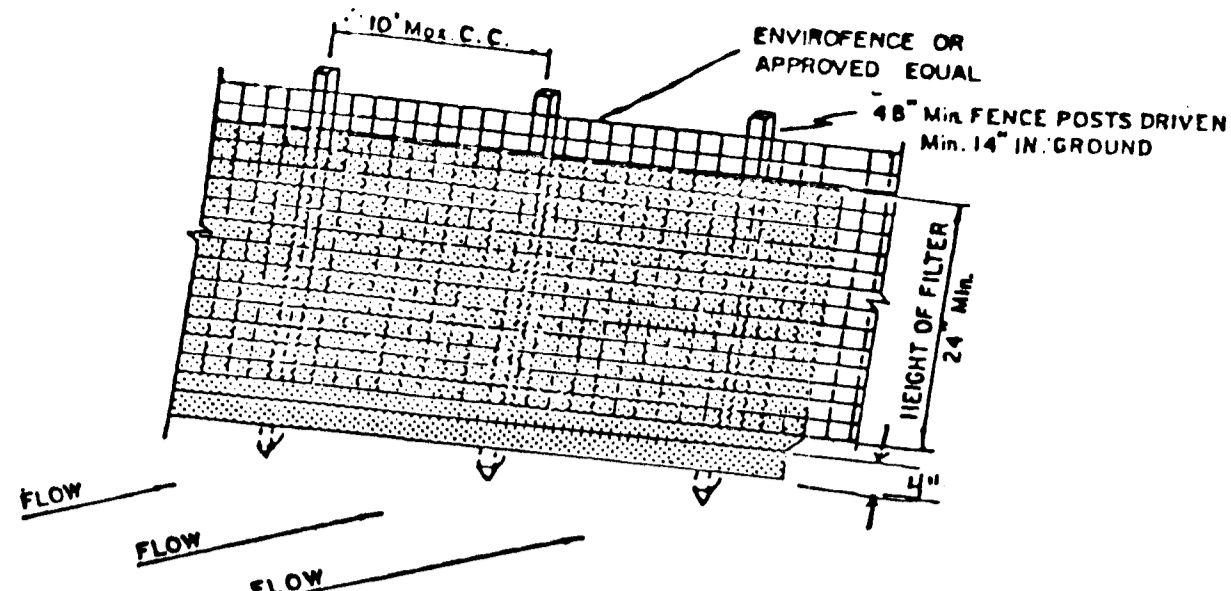
FISHER, COLLINS AND CARTER, INC.
 CIVIL ENGINEERS AND LAND SURVEYORS
 8388 COURT AVE. 461-2855 ELLICOTT CITY, MARYLAND 21043



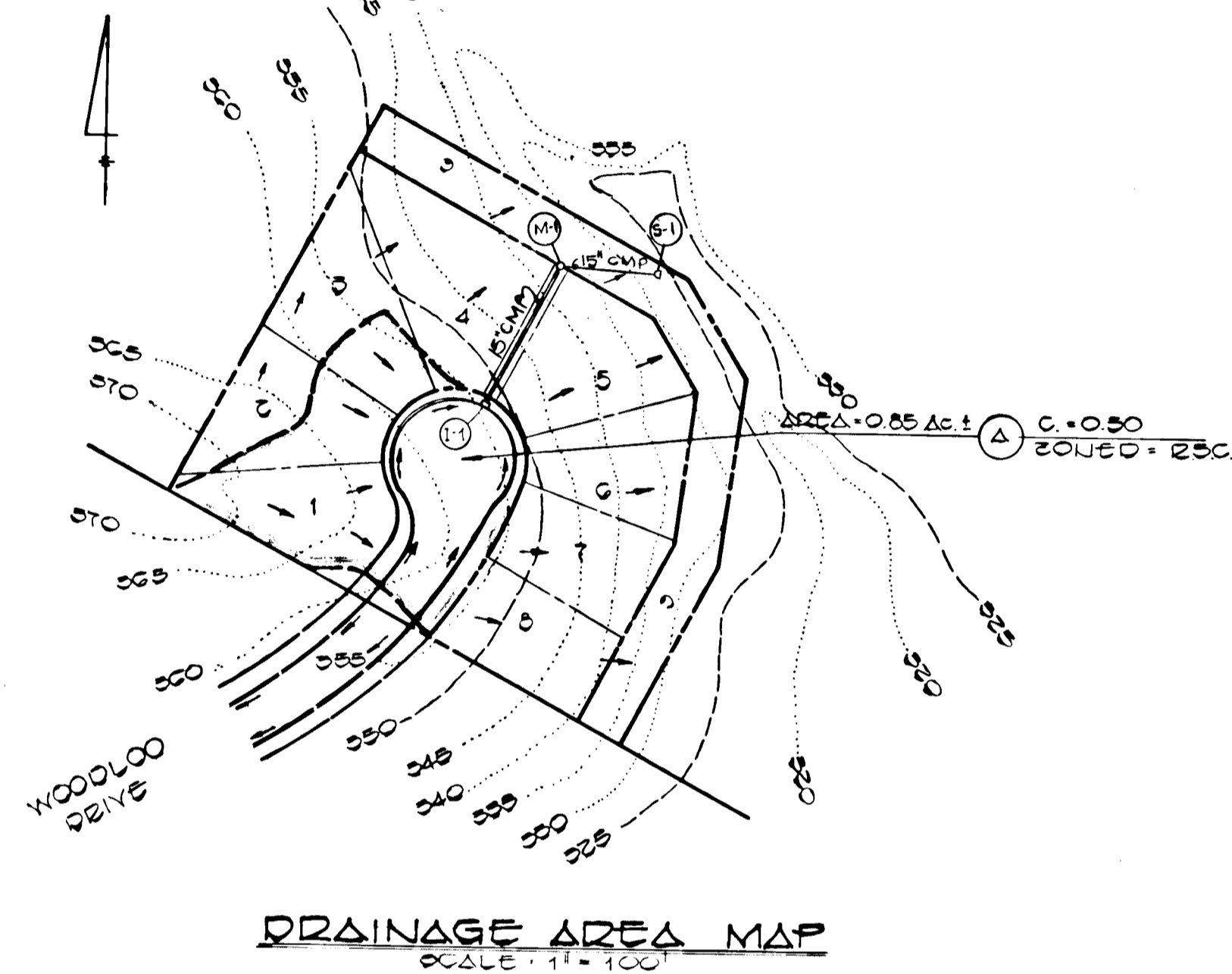
PROFILE
 DATE
 BY
 DESIGNED
 CHECKED
 GRADES CHECKED
 STRUCTURE NOTATIONS CHKO

PLAN
 DATE
 BY
 DESIGNED
 CHECKED
 ALIGNMENT CHECKED
 RT. OF WAY CHECKED

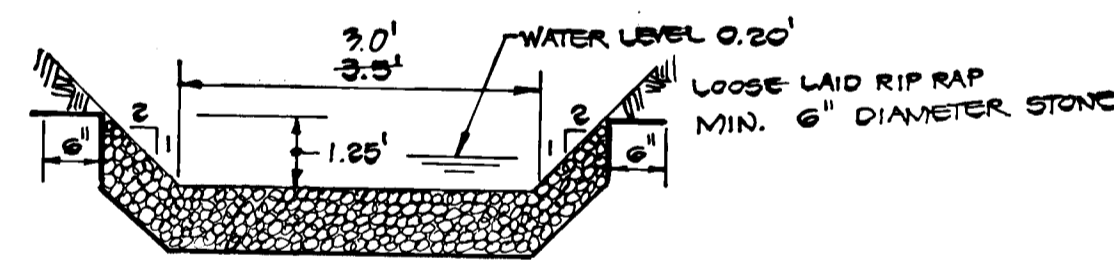
#976



STRAW BALE DIKE



DRAINAGE AREA MAP



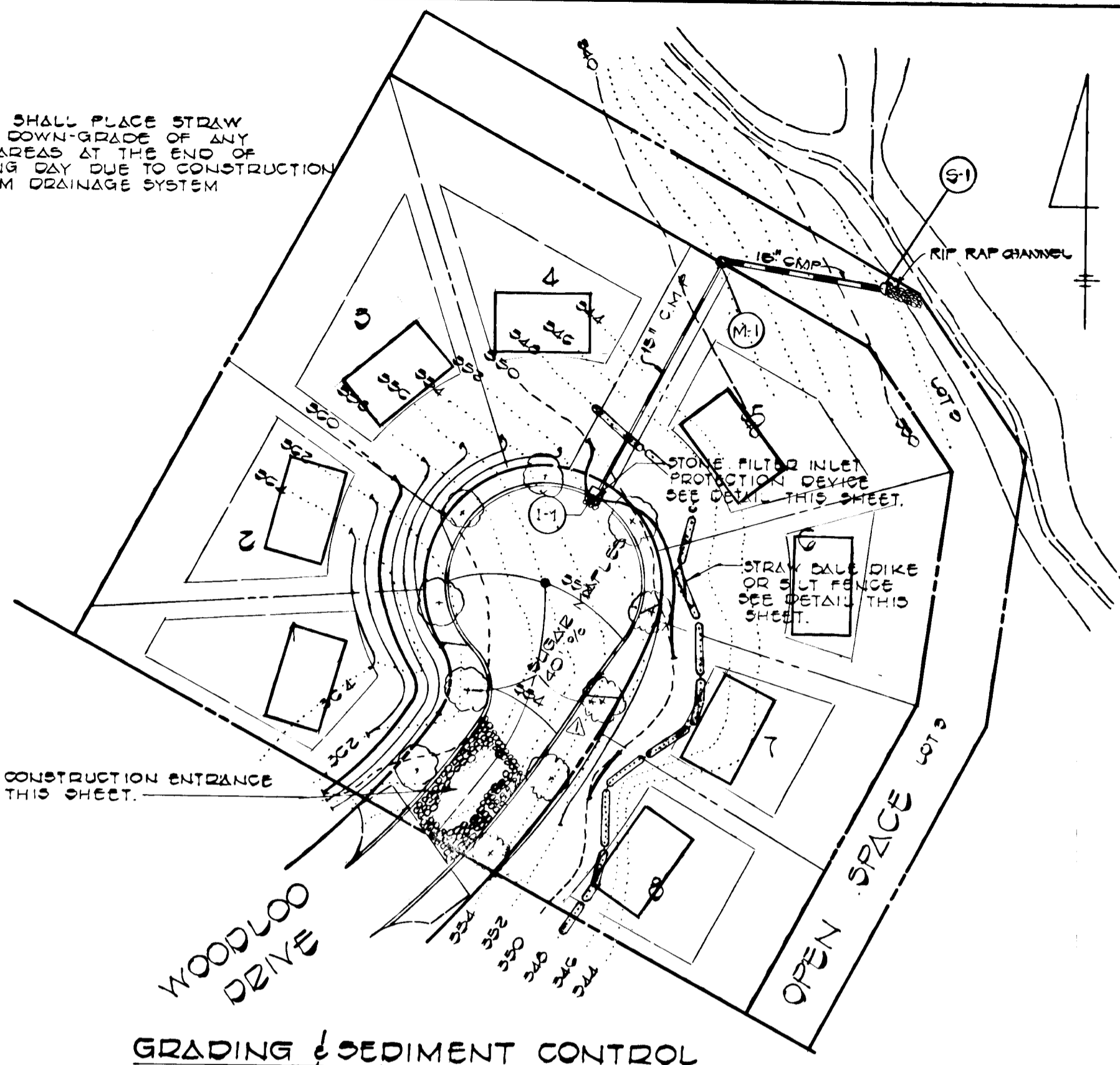
RIP RAP CHANNEL @ 3-1

CHANNEL DESIGN DATA @ 3-1
 NO SCALE
 $A = 0.70 \text{ ft}^2$
 $P = 4.40 \text{ ft}$
 $R = 0.177 \text{ ft}$
 $R^{2/3} = 0.3156$
 $S = 12\%$
 $S^{1/2} = 0.3464$
 $n = 0.04$
 $Y = 1.488 \times 0.3156 \times 0.3464 = 4.08 \text{ cfs}$
 $Q = 0.70 \times 4.08 = 2.87 \text{ cfs}$

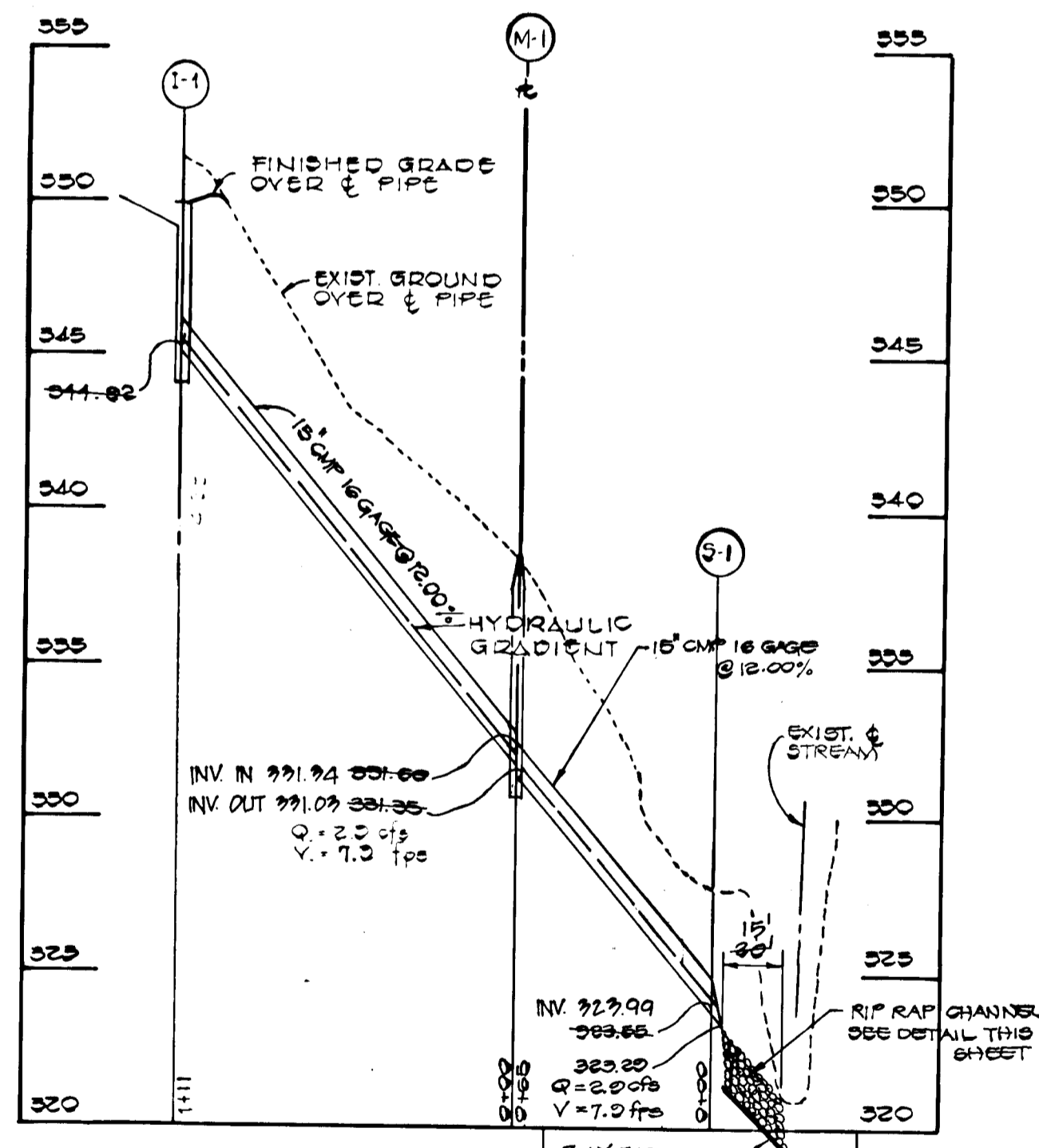
CONSTRUCTION SEQUENCE

- OBTAIN GRADING PERMIT.
- CONSTRUCT STONE CONSTRUCTION ENTRANCE.
- CONSTRUCT STORM WATER MANAGEMENT POND AND STABILIZE USING TEMPORARY SEEDING.
- THE 12" CMP SHALL BE BLOCKED IN ACCORDANCE WITH THE DETAIL ON THIS SHEET. THE 12" CMP SHALL REMAIN BLOCKED UNTIL SUCH TIME WHEN THE SEDIMENT BASIN TRANSITIONS TO FUNCTION AS A STORM WATER MANAGEMENT POND.
- INSTALL STRAW BALE DIKE OR SILT FENCE.
- CONSTRUCT STORM DRAIN SYSTEM.
- INSTALL STONE FILTER INLET PROTECTION DEVICE @ I-1.
- THE CONTRACTOR SHALL PLACE STRAW BALE DIXES DOWN-GRADE OF ANY DISTURBED AREAS AT THE END OF EACH WORKING DAY DUE TO CONSTRUCTION OF THE STORM DRAINAGE SYSTEM.
- GRADE WOODLOO DRIVE. STABILIZE SLOPE AREAS BETWEEN EXISTING GROUND AND BACK OF CURB AND CUT AND FILL SLOPE AREAS DUE TO ROAD GRADING WITH PERMANENT SEEDING.
- CONSTRUCT CONCRETE CURB AND LAY BASE COURSE.
- UPON STABILIZATION OF GRADED AREAS, INLET I-1 SHALL BE OPENED AND ALL ACCUMULATED SEDIMENT SHALL BE REMOVED FROM THE STORM DRAIN SYSTEM.
- CLEAN BASE COURSE, APPLY TACK COAT TO BASE COURSE, AND LAY SURFACE COURSE. STABILIZE SHOULDERS.
- DURING CONSTRUCTION, SEDIMENT SHALL BE REMOVED FROM THE STORM WATER MANAGEMENT POND WHEN THE CLEANOUT ELEVATION 328.0 HAS BEEN REACHED.
- THE SEDIMENT BASIN SHALL BE DEWATERED BY PUMPING.
- THE SEDIMENT FROM THE STORM WATER MANAGEMENT POND SHALL BE PLACED ALONG LOT 5.
- THE STORM WATER MANAGEMENT POND SHALL BE GRADED IN ACCORDANCE WITH SHEET ONE AND STABILIZED IN ACCORDANCE WITH THE PERMANENT SEEDING SPECIFICATIONS IN THE SEDIMENT CONTROL NOTES. INSTALL RIP RAP APRON.
- DURING CONSTRUCTION AND AFTER EACH RAINFALL, THE CONTRACTOR SHALL INSPECT AND PROVIDE NECESSARY MAINTENANCE ON THE SEDIMENT AND EROSION CONTROL STRUCTURES SHOWN HEREON.
- REMOVE STRAW BALE DIXES OR SILT FENCE.
- ALL DISTURBED AREAS DUE TO REMOVAL OF SEDIMENT CONTROL MEASURES SHALL BE GRADED AND STABILIZED WITH PERMANENT SEEDING.

NOTE:
 CONTRACTOR SHALL PLACE STRAW BALE DIXES DOWN-GRADE OF ANY DISTURBED AREAS AT THE END OF EACH WORKING DAY DUE TO CONSTRUCTION OF THE STORM DRAINAGE SYSTEM.



GRADING & SEDIMENT CONTROL PLAN



STORM DRAIN PROFILE

SITE ANALYSIS
 TOTAL AREA OF SUBDIVISION : 2.00AC ±
 AREA TO BE DISTURBED : 0.50 AC ±
 IMPERVIOUS AREA : 0.20 AC ±
 AREA TO BE : 0.50 AC ±



APPROVED: OFFICE OF PLANNING AND ZONING

APPROVED: DEPARTMENT OF PUBLIC WORKS

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY OFFICE OF DISTRICT COORDINATOR

SEDIMENT CONTROL NOTES

- SPECIFICATIONS FOR THE SEDIMENT CONTROL DETAILS INCLUDED IN THE U.S.D.A. SOIL CONSERVATION SERVICE "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS."
- THE DEVELOPER SHALL NOTIFY THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS AT LEAST 24 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION SHOWN HEREON (992-2433).
- SEDIMENT CONTROL STRUCTURES TO BE CONSTRUCTED PRIOR TO ANY ON-SITE GRADING OR DISTURBANCE TO ANY EXISTING SURFACE MATERIAL, AND ARE TO BE STABILIZED AS SOON AS CONSTRUCTED.
- ALL SEDIMENT CONTROL STRUCTURES TO REMAIN IN PLACE UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS (992-2433).
- ALL GRADED AREAS NOT TO BE SODDING SHALL BE STABILIZED BY SEEDING AND MULCHING IN ACCORDANCE WITH THE FOLLOWING:
 - SITE PREPARATION
 - HARROW OR DISC IN AREAS PROPOSED TO BE SEEDED THE FOLLOWING MATERIALS
 - PULVERIZED LIMESTONE AT 2 TONS/ACRE.
 - COMMERCIAL FERTILIZER 10-10-10 AT 3/4 TONS/ACRE.
 - SUPER PHOSPHATE AT 600 LBS./ACRE.
 - SEEDING
 - SOW THE FOLLOWING SEED MIXTURE AT THE RATE OF 200 LBS./ACRE WITH A MECHANICAL SPREADER.
 - TEMPORARY: ITALIAN OR PERENNIAL RYE GRASS.
 - PERMANENT: 40% MORTON BLUE GRASS, 40% DAKOTA BLUE GRASS AND 20% PENN LAMN CREEPING FESCUE.
 - THE SEEDED AREA SHALL THEN BE RAKED WITH A YORK RATE (A MINIMUM OF 2 PASSES) COVERED AND COMPACTED WITH MULTIPACKER OR OTHER APPROVED METHOD.
 - MULCHING
 - SEEDED AREAS SHALL BE UNIFORMLY MULCHED IMMEDIATELY AFTER SEEDING WITH UNWEATHERED SMALL GRAIN STRAW AT THE RATE OF 1 1/2-2 TONS/ACRE.
 - TIE MULCH DOWN WITH LIQUID ASPHALT AT 0.1 GAL./S.Y. OR EMULSIFIED ASPHALT AT 0.04 GAL./S.Y. OR MULCH NETTING.
 - A GRADING PLAN MUST BE DEVELOPED BY THE BUILDER AND APPROVED BEFORE BEGINNING CONSTRUCTION OF DWELLINGS.

AS-BUILT CERTIFICATION 4-10-86
 BY: CHARLES J. GROVO
 REG. NO. 13204

NO.	DESCRIPTION	INVT. IN	TOP ELEV.	REMARKS
I-1	STO METAL END SECTION	324.00	320.22	DWG. 50-4.01
M-1	STANDARD MANHOLE	331.00	328.50	DWG. G.S.01

WOODLAND PARK
 SECTION ONE AREA ONE
 FIRST ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 SCALE: AS SHOWN DATE NOV. 4, 1982
 SHEET 2 OF 2

REV. 8-12-83 REMOVED S.W.M. POND; CHANGED PROFILE & REMOVED DETAILS

AS-BUILT 4-10-86

FISHER, COLLINS AND CARTER
 CONSULTING ENGINEERS AND LAND SURVEYORS
 6000 COURT AVENUE
 ELLICOTT CITY, MARYLAND 21043 410-2005

DATE	BY	REVISION
1/17/83	DAW	REMOVE SIDEWALK

#976