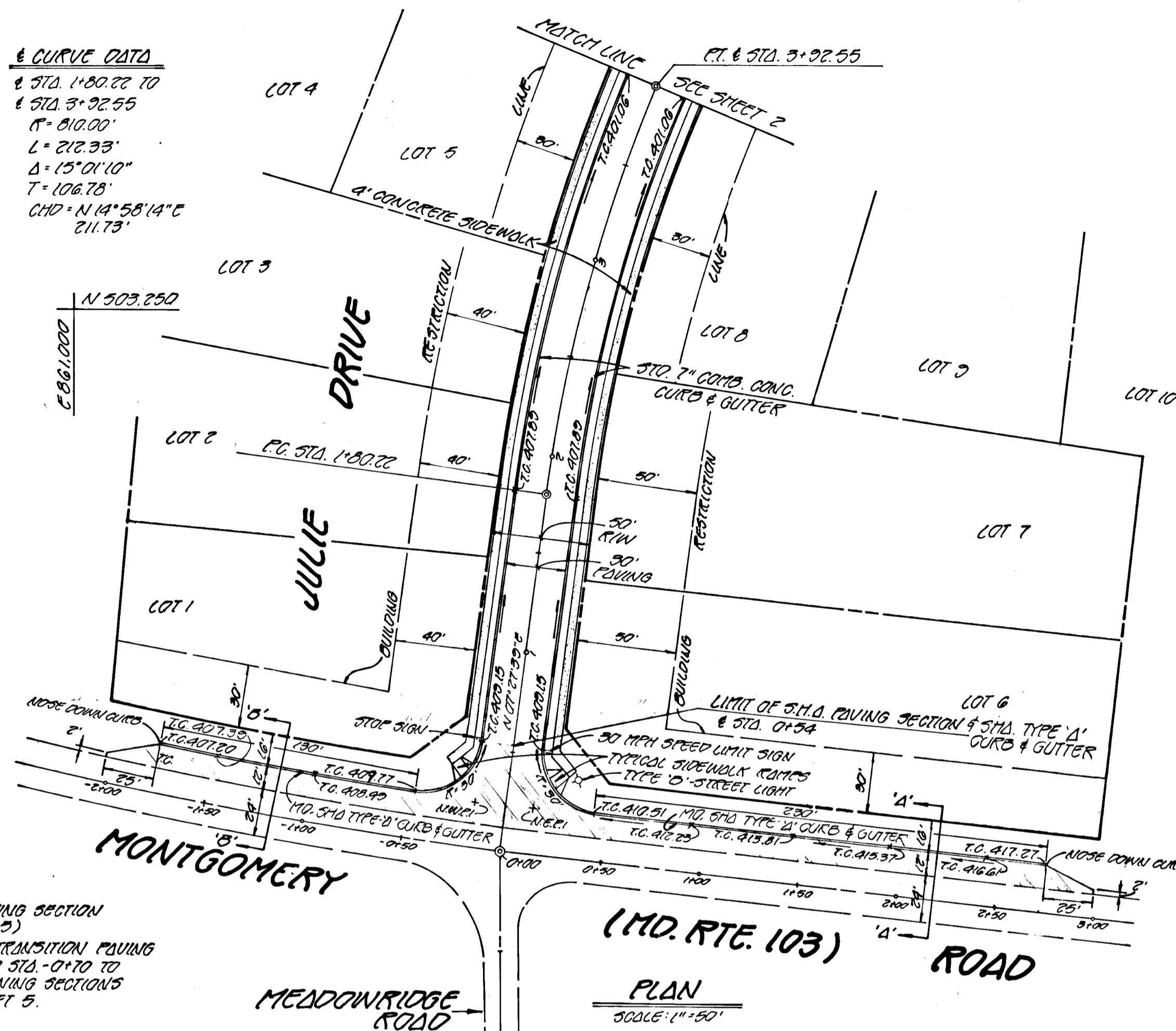


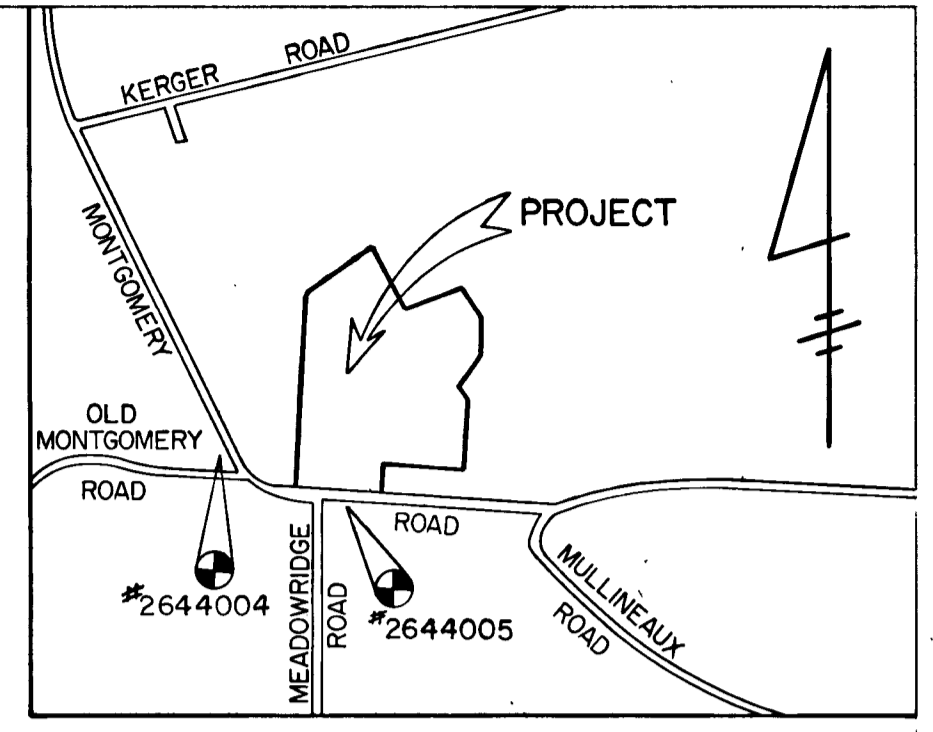
**GENERAL NOTES**

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. ALL INLETS SHALL BE HOWARD COUNTY STANDARD UNLESS OTHERWISE SHOWN. ALL 1' INLETS SHALL BE DEPRESSED.
4. STORM DRAIN TRENCHES WITHIN ROAD RIGHTS-OF-WAYS SHALL BE BACKFILLED AND COMPLETED IN ACCORDANCE WITH HOWARD COUNTY ROAD CODE.
5. ANY DAMAGE TO PUBLIC RIGHTS-OF-WAYS OR PAVING WILL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
6. CONTRACTOR TO NOTIFY THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS AND PERMITS AT LEAST 3 DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS - TELEPHONE: 892-2436.

**4 CURVE DATA**  
 1. STA. 1+80.22 TO 3+92.55  
 R = 810.00'  
 L = 212.33'  
 Δ = 15° 01' 10"  
 T = 106.78'  
 CHD = N 14° 58' 14" E  
 211.73'



--- DENOTES S.H.S. PAVING SECTION (SEE DETAIL SHEET 2)  
 NOTE: CONTRACTOR SHALL TRANSITION PAVING FROM STA. 0+50 TO STA. 0+70 TO MEET TYPICAL PAVING SECTIONS AS SHOWN ON SHEET 3.



**VICINITY MAP**  
 SCALE: 1" = 1200'

**BENCH MARKS**

HOWARD COUNTY MONUMENT #2644004 ELEV. 402.18  
 TOP OF CONC MONUMENT NEAR SOUTHWEST CORNER OF MONTGOMERY ROAD AND OLD MONTGOMERY ROAD

HOWARD COUNTY MONUMENT #2644005 ELEV. 416.98  
 TOP OF CONCRETE MONUMENT SOUTHWEST OF MONTGOMERY ROAD 800' SOUTHEAST FROM #2644004

**DANVILLE ACRES**

SECTION I  
 1ST ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

**JULIE DRIVE**  
 PLAN AND PROFILE

OWNER MARVIN LANG ET AL	OWNER AND DEVELOPER STD. FEDERAL SAVINGS & LOAN ASSN.	DEVELOPER FISHER, COLLINS AND CARTER, INC.
481 NORTH FREDERICK AVENUE GAITHERSBURG, MARYLAND 20760		
SCALE: AS SHOWN	DATE: 3-22-82	DWG. NO. 1 OF 9
DES.: C. GROVO	DRN.: B. HARDEN	CHK.: R. CARTER
FISHER, COLLINS AND CARTER, INC. CIVIL ENGINEERS AND LAND SURVEYORS 8388 COURT AVE. ELLICOTT CITY, MARYLAND 21043		



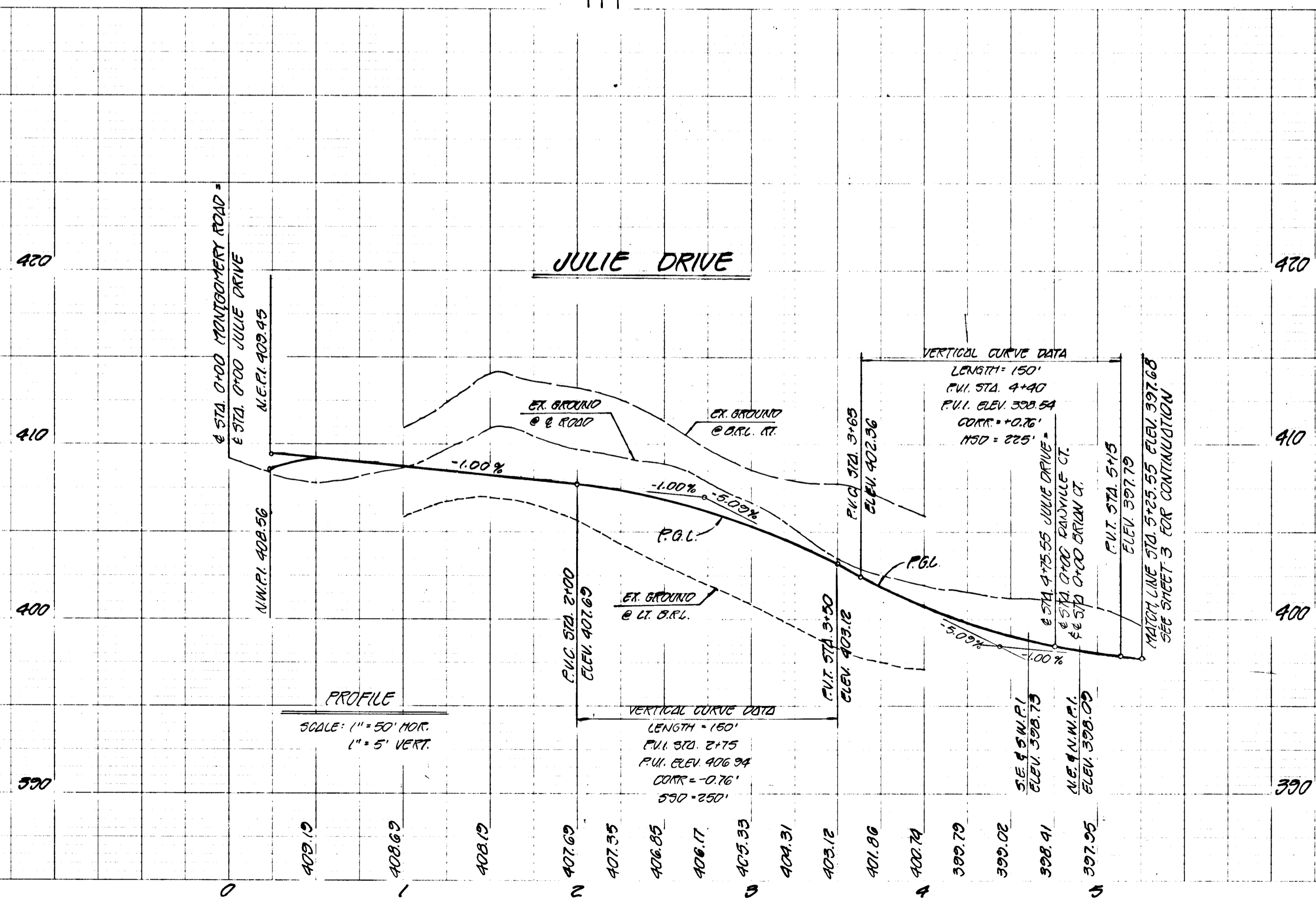
Earl D. Collins 6/13/82  
 EARL D. COLLINS DATE

APPROVED DEPARTMENT OF PUBLIC WORKS  
*[Signature]* 8-1-82

APPROVED OFFICE OF PLANNING AND ZONING  
*[Signature]* 8-4-82

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 NOTE BOOK NO. \_\_\_\_\_  
 STRUCTURE NOTATION CHART

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 NOTE BOOK NO. \_\_\_\_\_  
 STRUCTURE NOTATION CHART



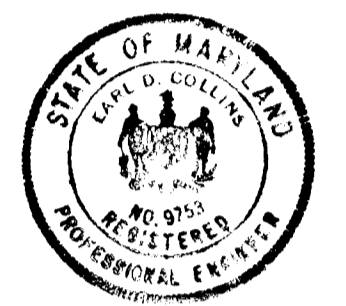
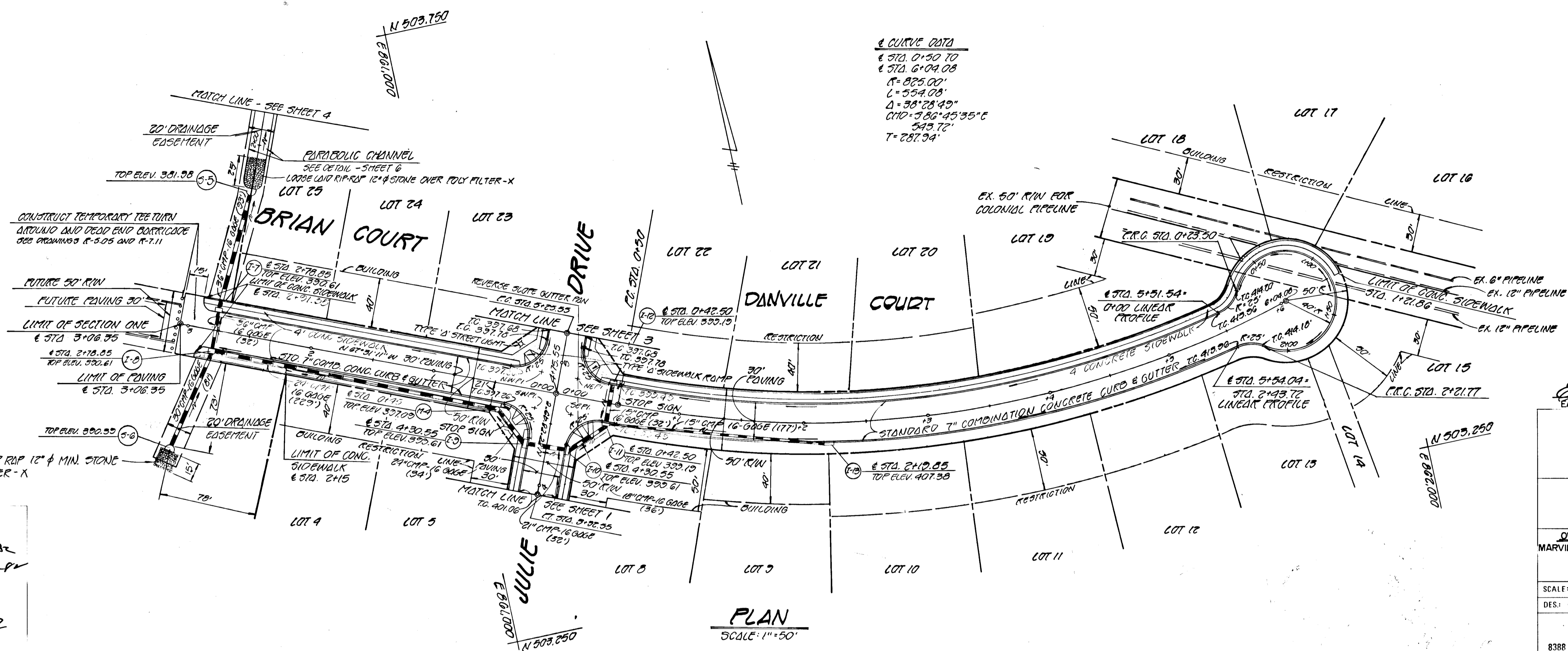
#952

NOTES:  
 1. ALL WORK SHALL BE ACCORDING TO THE LATEST EDITIONS OF THE MARYLAND SURVEYING AND MAPPING ACTS.  
 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.  
 3. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.  
 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES AND STRUCTURES.  
 5. THE CONTRACTOR SHALL MAINTAIN THE EXISTING DRIVEWAY AND SIDEWALKS.  
 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL DEBRIS AND EXCESS MATERIAL.  
 7. THE CONTRACTOR SHALL MAINTAIN THE EXISTING CURBS AND GUTTERS.  
 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL NEW CURBS AND GUTTERS.  
 9. THE CONTRACTOR SHALL MAINTAIN THE EXISTING DRIVEWAY AND SIDEWALKS.  
 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL DEBRIS AND EXCESS MATERIAL.

APPROVED  
 DEPARTMENT OF PUBLIC WORKS  
*Richard E. Riley* 8-6-82

APPROVED  
 OFFICE OF PLANNING AND ZONING  
*John W. Manderson* 8-4-82

#952



Earl D. Collins 6/23/82  
 EARL D. COLLINS DATE

**DANVILLE ACRES**  
 SECTION I  
 1ST ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

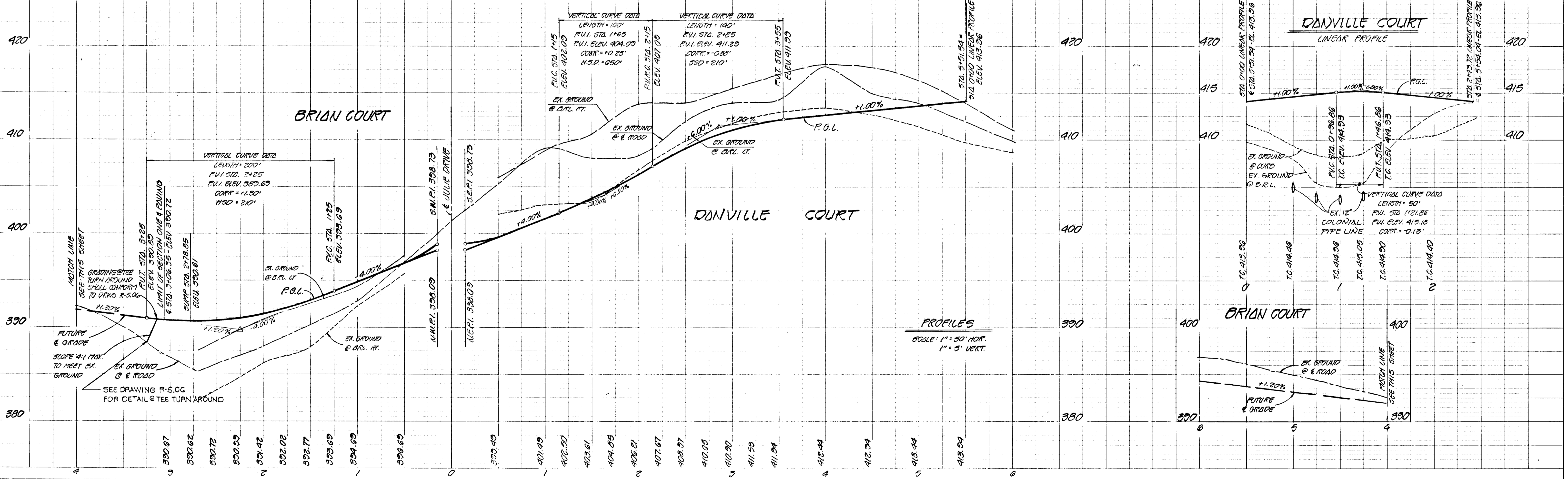
**DANVILLE COURT**  
**BRIAN COURT**  
**PLAN AND PROFILE**

**OWNER**  
 MARVIN LANG ET AL

**DEVELOPER**  
 STD. FEDERAL SAVINGS & LOAN ASSN.  
 481 NORTH FREDERICK AVENUE  
 GAITHERSBURG, MARYLAND 20760

SCALE: AS SHOWN DATE: 3-22-82 DWG. NO. 2 OF 9  
 DES: C. GROVO DRN: B. HARDEN CHK: R. CARTER

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

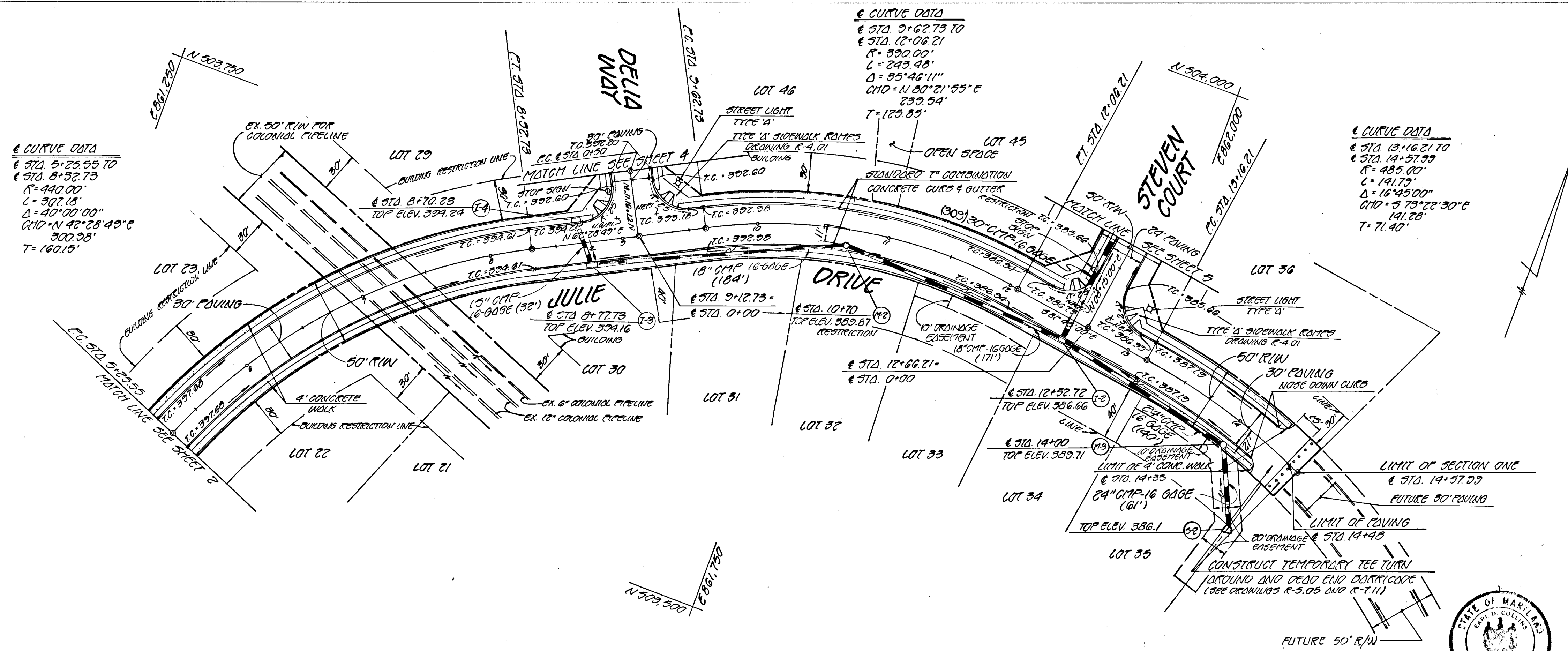


DATE: 3/22/82  
 DRAWN BY: EARL D. COLLINS  
 CHECKED BY: B. HARDEN  
 IN CHARGE: R. CARTER

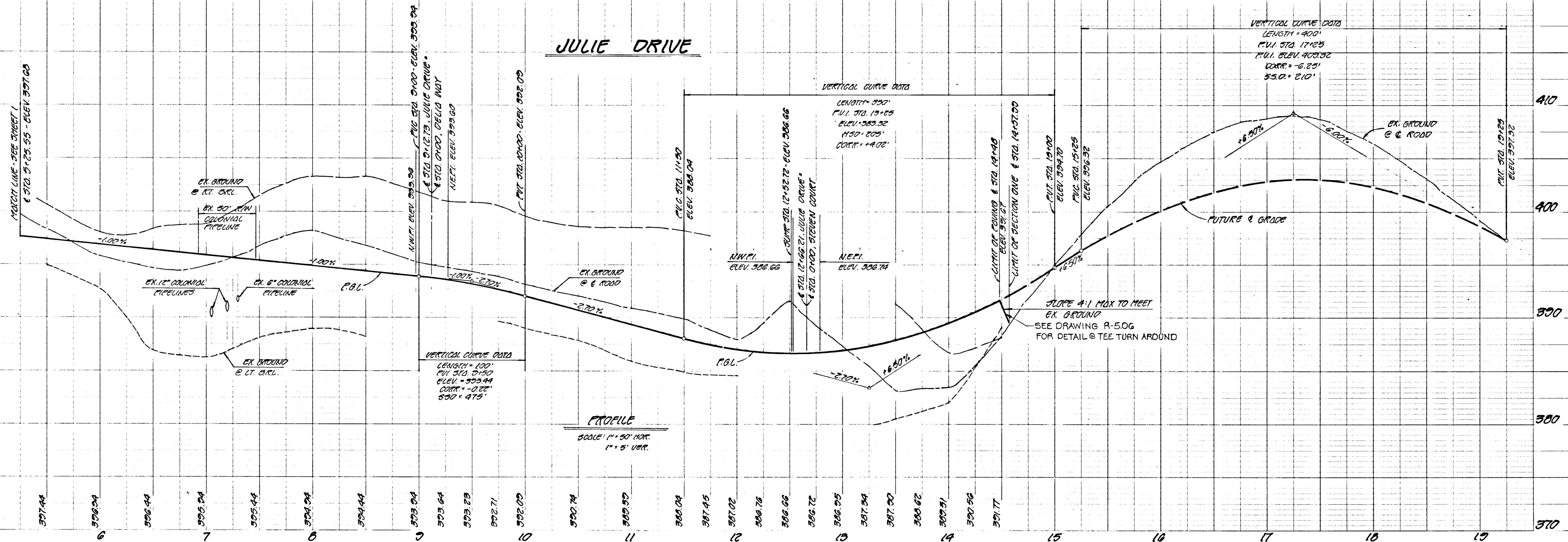
DATE: 3/22/82  
 DRAWN BY: EARL D. COLLINS  
 CHECKED BY: B. HARDEN  
 IN CHARGE: R. CARTER

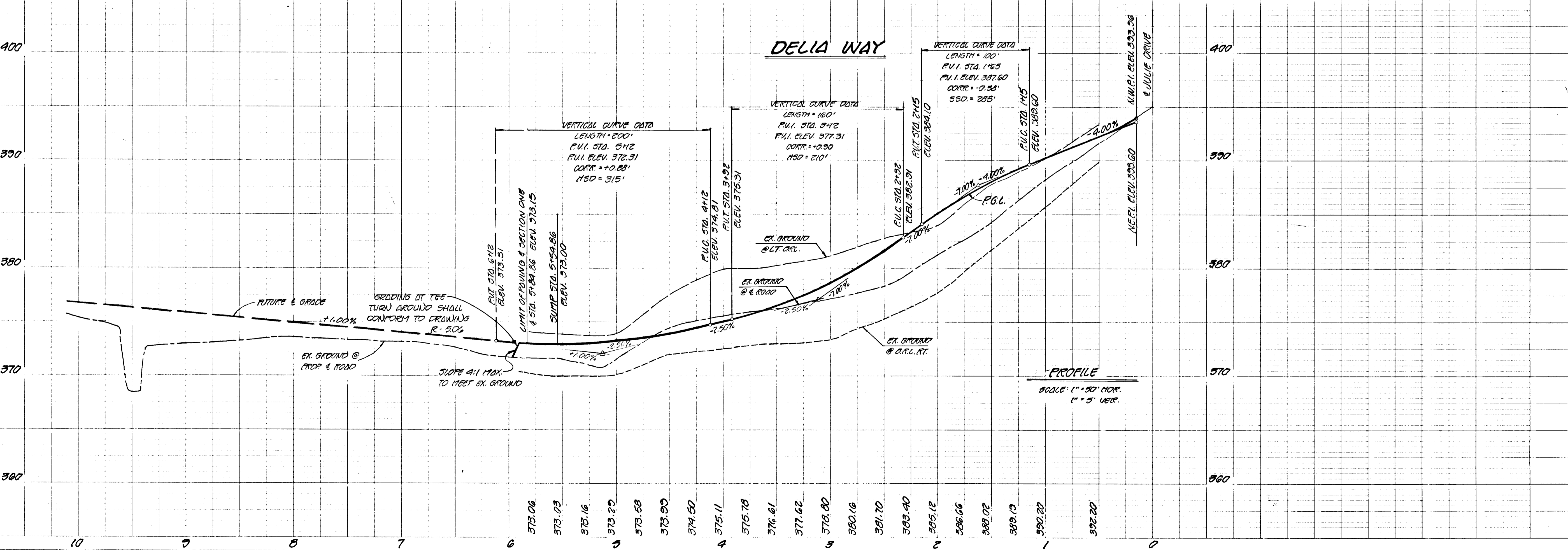
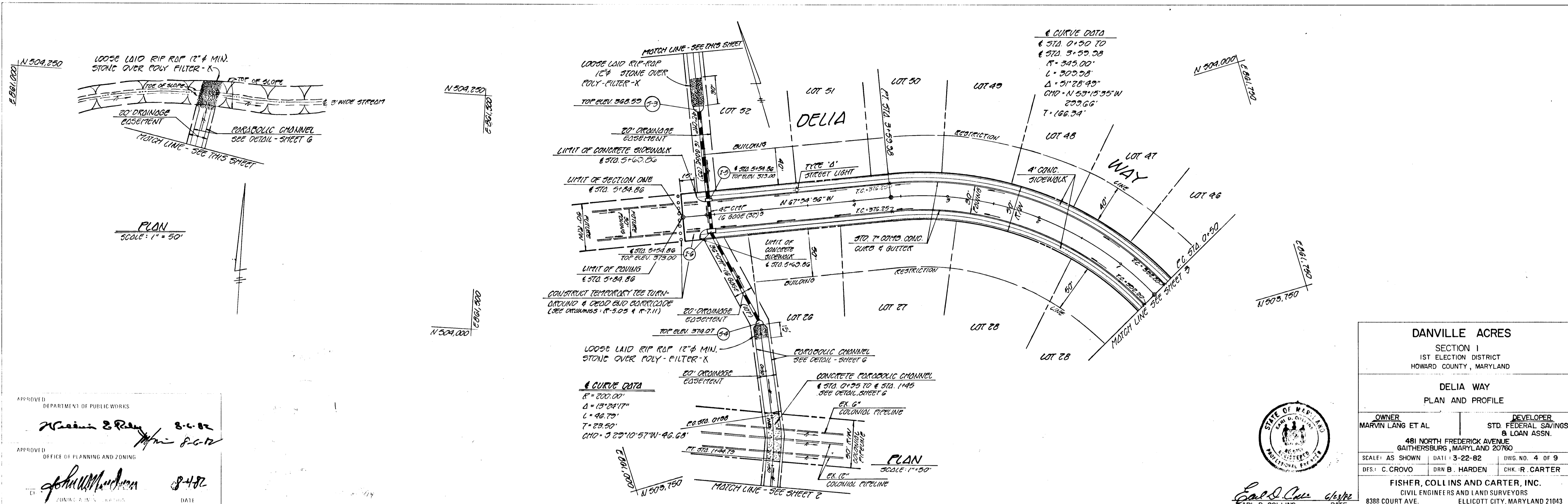
APPROVED: DEPARTMENT OF PUBLIC WORKS  
*William E. Roy*  
 DATE: 8-4-82

APPROVED: OFFICE OF PLANNING AND ZONING  
*John W. ...*



<b>DANVILLE ACRES</b>	
SECTION I 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
<b>JULIE DRIVE</b> PLAN AND PROFILE	
<b>OWNER</b> MARVIN LANG ET AL	<b>DEVELOPER</b> STD. FEDERAL SAVINGS & LOAN ASSN.
481 NORTH FREDERICK AVENUE GAITHERSBURG, MARYLAND 20878	
SCALE: AS SHOWN	DATE: 3-22-82
DES: C. CROVO	DRN: B. HARDEN
FISHER, COLLINS AND CARTER, INC. CIVIL ENGINEERS AND LAND SURVEYORS 8388 COURT AVE. ELLICOTT CITY, MARYLAND 21043	





APPROVED  
 DEPARTMENT OF PUBLIC WORKS  
 [Signature] 8-6-82

APPROVED  
 OFFICE OF PLANNING AND ZONING  
 [Signature] 8-4-82

**DANVILLE ACRES**  
 SECTION 1  
 1ST ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

**DELIA WAY**  
 PLAN AND PROFILE

OWNER: MARVIN LANG ET AL  
 DEVELOPER: STD. FEDERAL SAVINGS & LOAN ASSN.  
 481 NORTH FREDERICK AVENUE  
 GAITHERSBURG, MARYLAND 20878

SCALE: AS SHOWN  
 DATE: 3-22-82  
 DWG. NO. 4 OF 9

DES: C. CROVO  
 DRN: B. HARDEN  
 CHK: R. CARTER

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

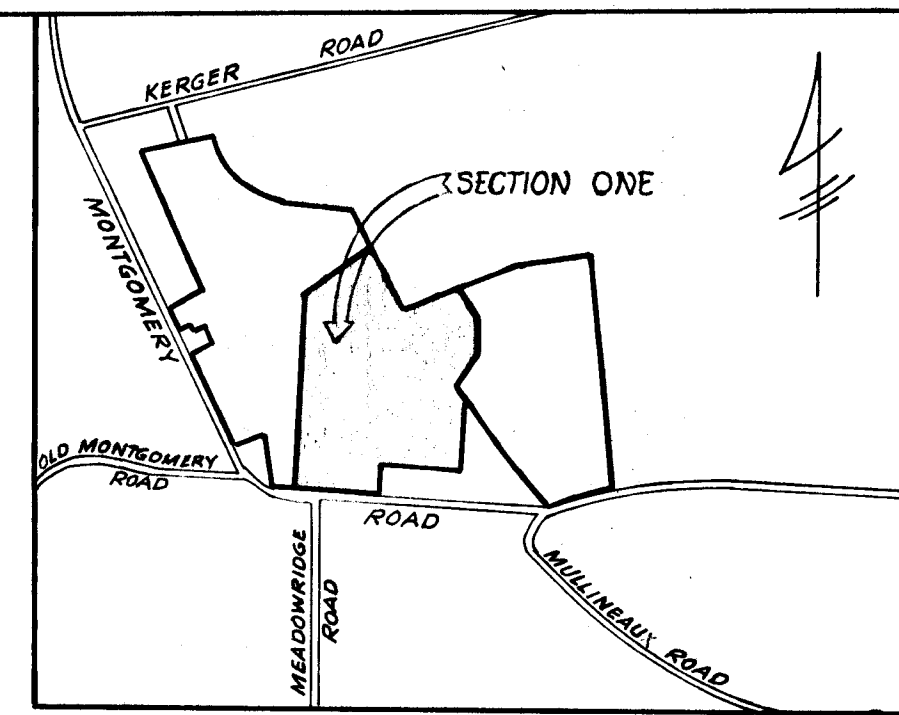
STATE OF MARYLAND  
 EARL D. COLLINS  
 DATE



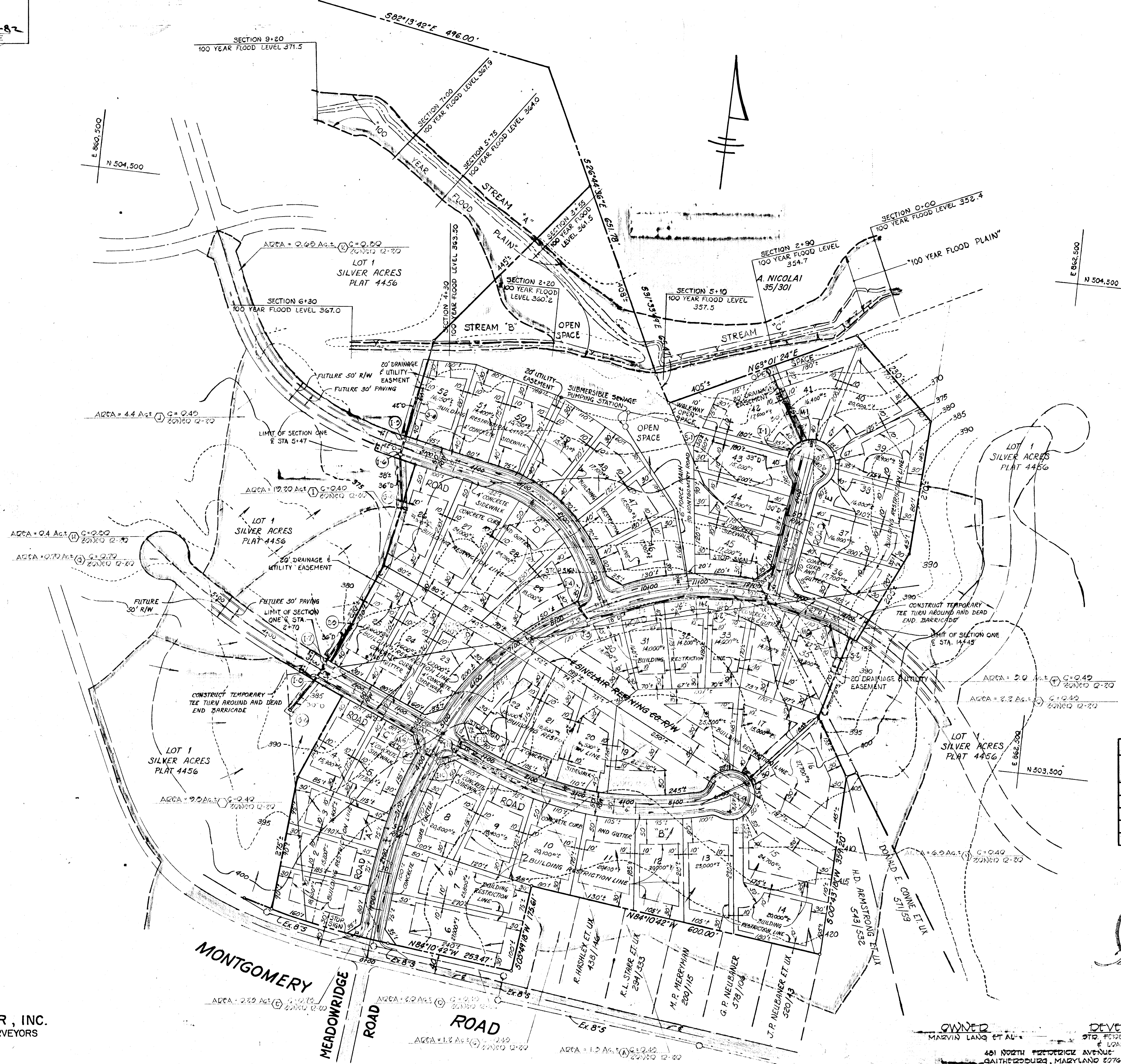


APPROVED: OFFICE OF PLANNING AND ZONING  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION  
 DATE 8-4-82

APPROVED: DEPARTMENT OF PUBLIC WORKS  
 CHIEF, BUREAU OF ENGINEERING  
 DATE 8-4-82



VICINITY MAP  
 SCALE: 1"=1200'



GENERAL NOTES

1. SUBJECT PROPERTY ZONED R-20 PER OCTOBER 3, 1977 COMPREHENSIVE ZONING PLAN.
2. PROPOSED NUMBER OF LOTS 52
3. TOTAL AREA OF LOTS 22.2 AC.+-
4. TOTAL AREA OF ROADWAYS TO BE DEDICATED TO HOWARD COUNTY 4.0 AC.+-
5. TOTAL AREA OF OPEN SPACE PROVIDED 3.30 AC.+-
6. TOTAL AREA OF OPEN SPACE REQUIRED 3.30 AC.+-
7. TOTAL AREA OF PROPERTY
8. PROPERTY IS LOCATED ON TAX MAPS 31 AND 37 PARCEL 215
9. PUBLIC WATER AND SEWER WILL BE USED WITHIN THIS DEVELOPMENT.

LOT SIZE AND MANDATORY OPEN SPACE PROVISIONS				
LOT SIZE SQ. FT.	NUMBER OF LOTS	AREA OF LOTS (ACRES +-)	MANDATORY OPEN SPACE REQUIRED	ARE OF OPEN SPACE (ACRES +-)
20,000 OR LARGER	17	8.84	6%	0.53
18,000 TO 19,999	8	3.43	10%	0.34
16,000 TO 17,999	14	5.46	20%	1.09
14,000 TO 15,999	13	4.48	30%	1.34
TOTALS	52	22.21	-	3.30
TOTAL OPEN SPACE PROVIDED			3.30 AC.+-	
AREA OF 100 YEAR FLOOD PLAIN			1.60 AC.+-	



DRAINAGE AREA MAP  
 DANVILLE ACRES  
 SECTION ONE

A RESUBDIVISION OF LOT 1 SILVER ACRES  
 1<sup>ST</sup> ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 MARCH 22, 1982 SHEET 7 OF 9 SCALE: 1"=100'

FISHER, COLLINS & CARTER, INC.  
 CONSULTING ENGINEERS & LAND SURVEYORS  
 8386 COURT AVENUE  
 ELLICOTT CITY, MARYLAND 21043

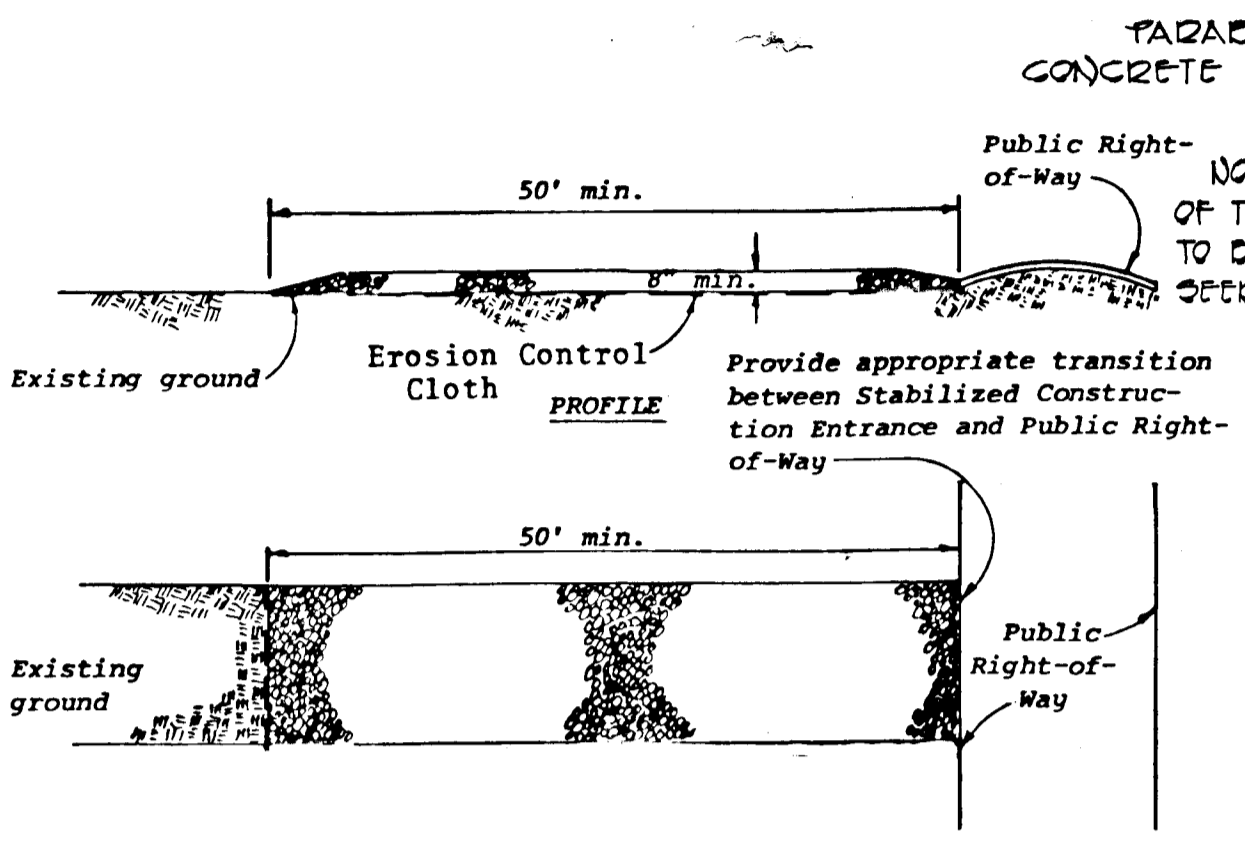
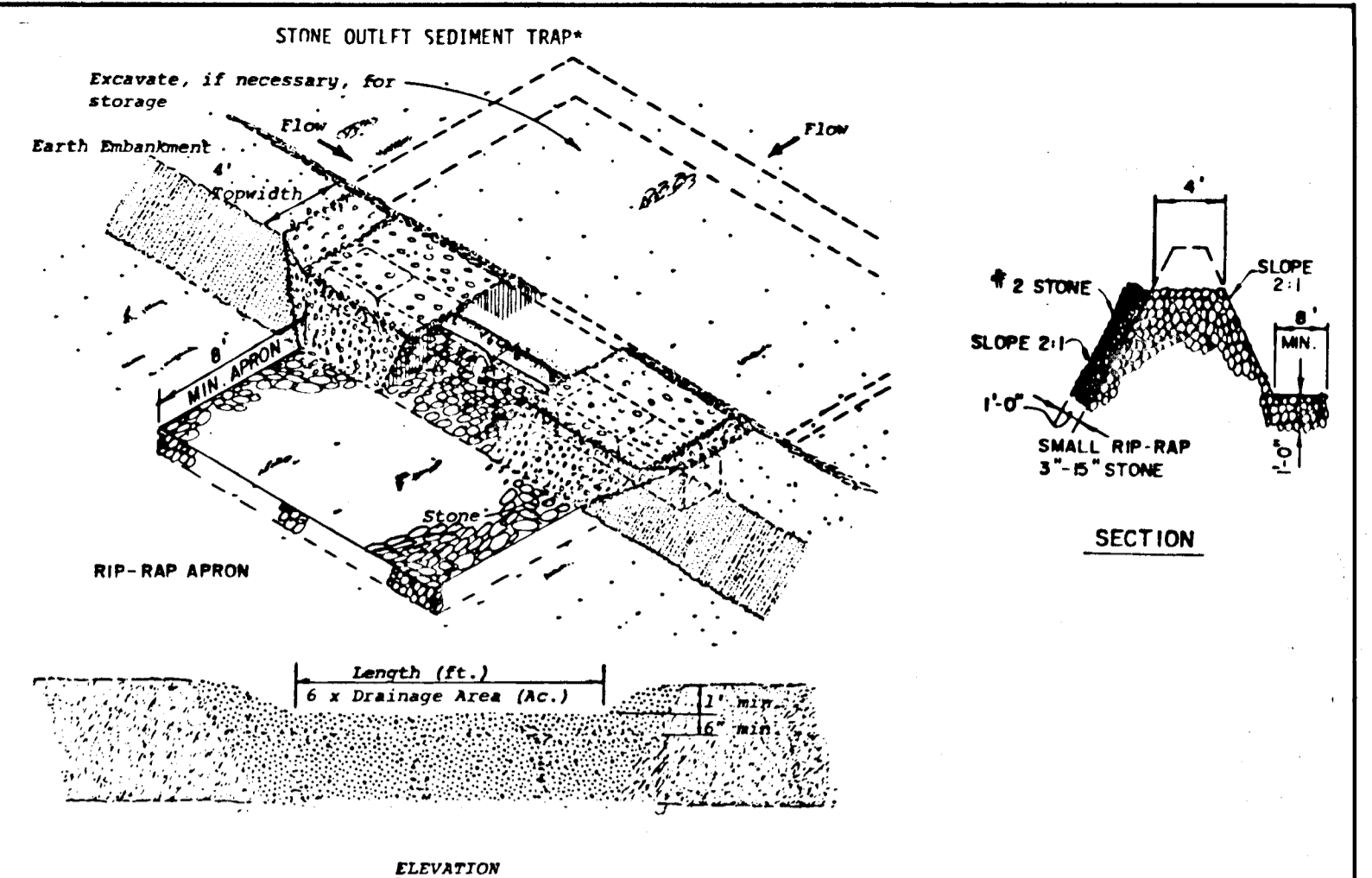
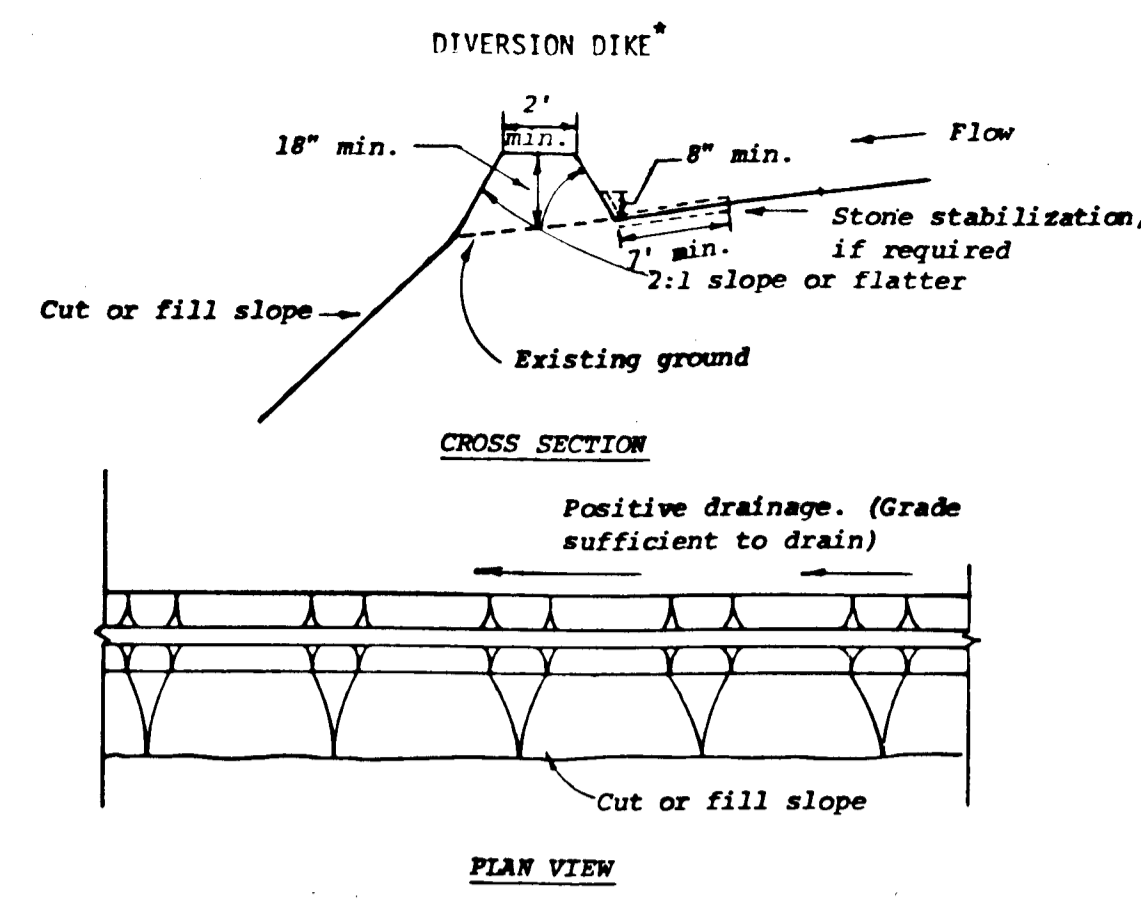
OWNER: MARVIN LANG ET AL.  
 DEVELOPER: STD. FEDERAL SAVINGS & LOAN ASSN.  
 481 SOUTH FREDERICK AVENUE  
 GAITHERSBURG, MARYLAND 20878

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND METS TECHNICAL REQUIREMENTS  
*John M. Vele* 6-28-82 DATE  
 DISTRICT COORDINATOR  
 HOWARD SOIL CONSERVATION DISTRICT

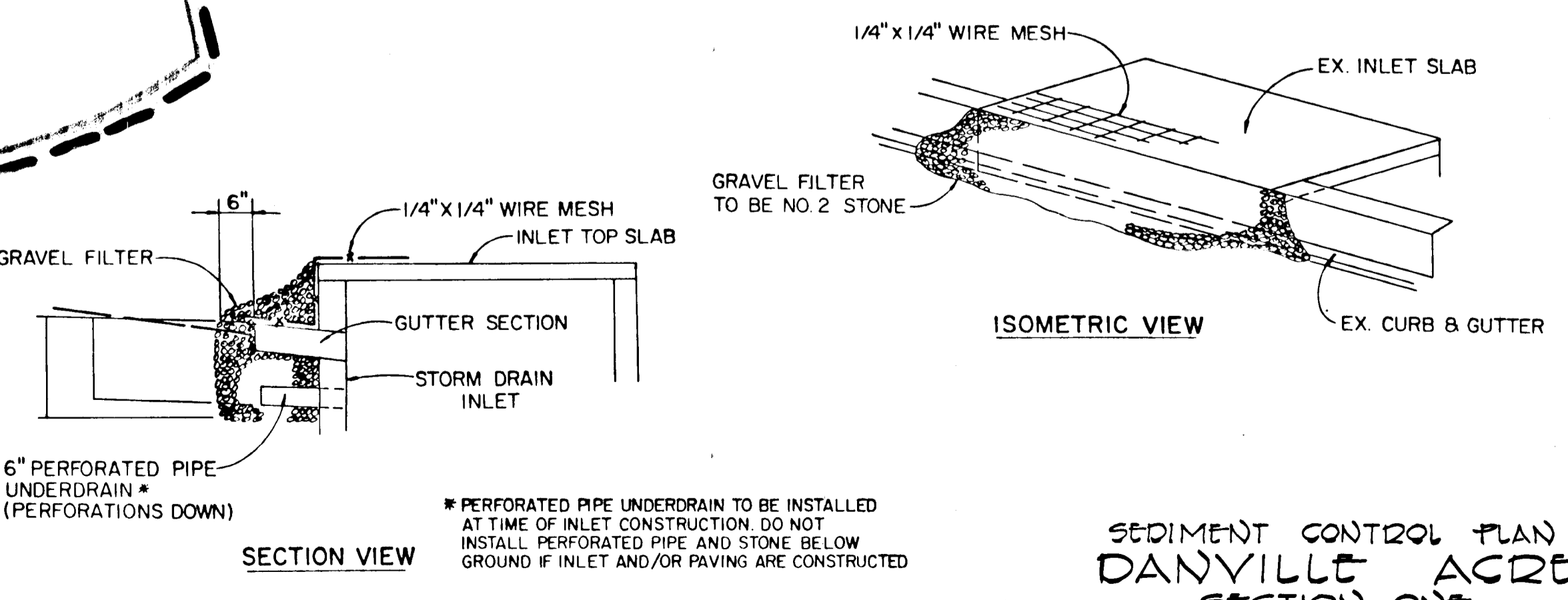
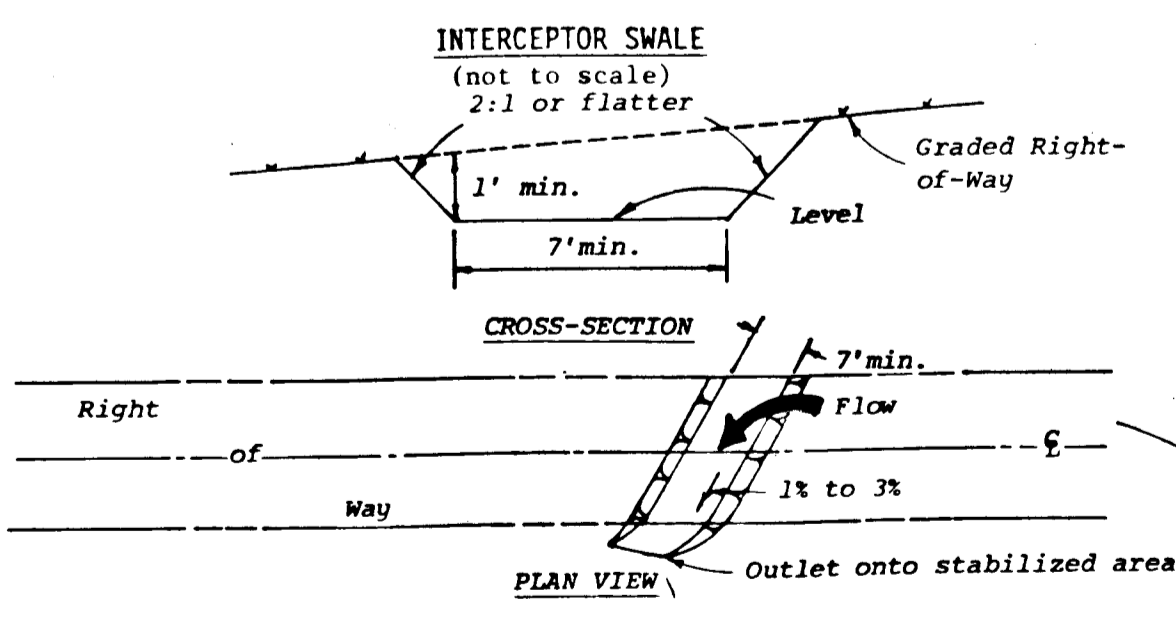
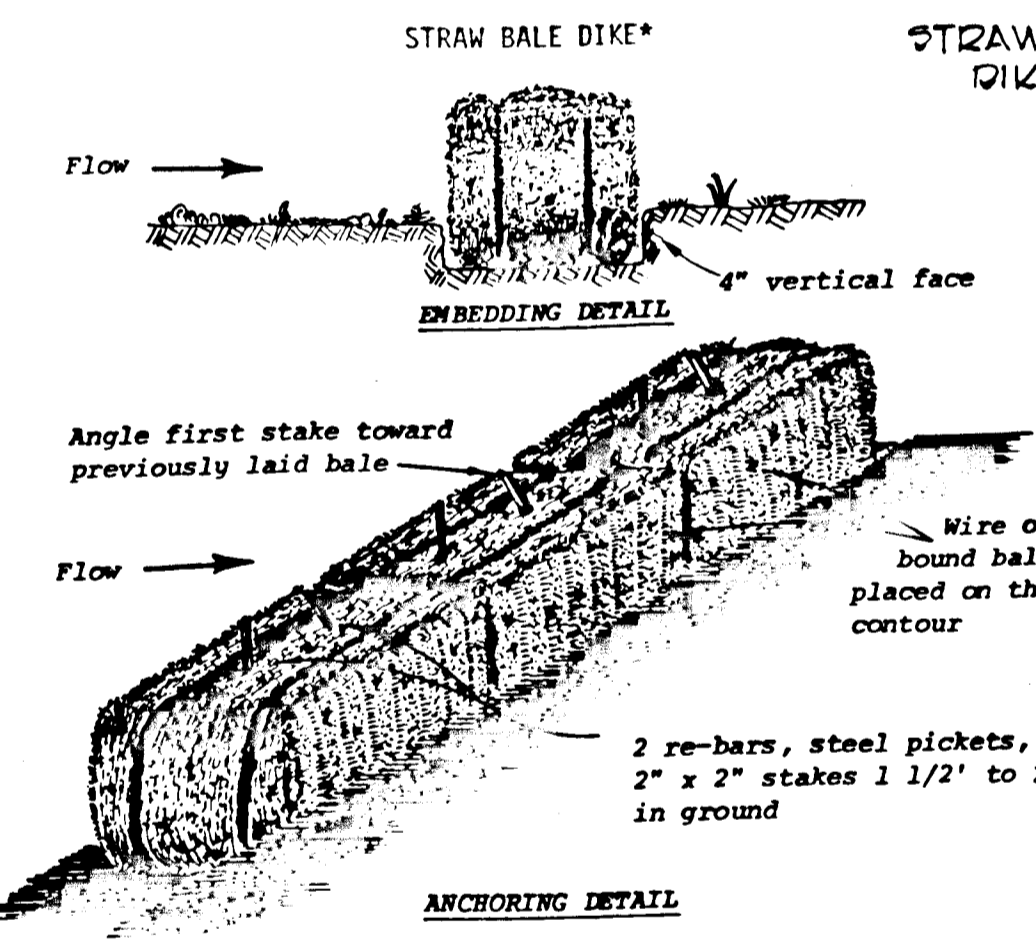
DEVELOPER'S CERTIFICATE  
 "I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF 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."  
*Marvin R. King* 6-28-82 DATE

APPROVED: OFFICE OF PLANNING AND ZONING  
*John W. Musselman* 8-4-82 DATE  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION  
 APPROVED: DEPARTMENT OF PUBLIC WORKS  
*William R. Kelly* 8-4-82 DATE  
 CHIEF, BUREAU OF ENGINEERING

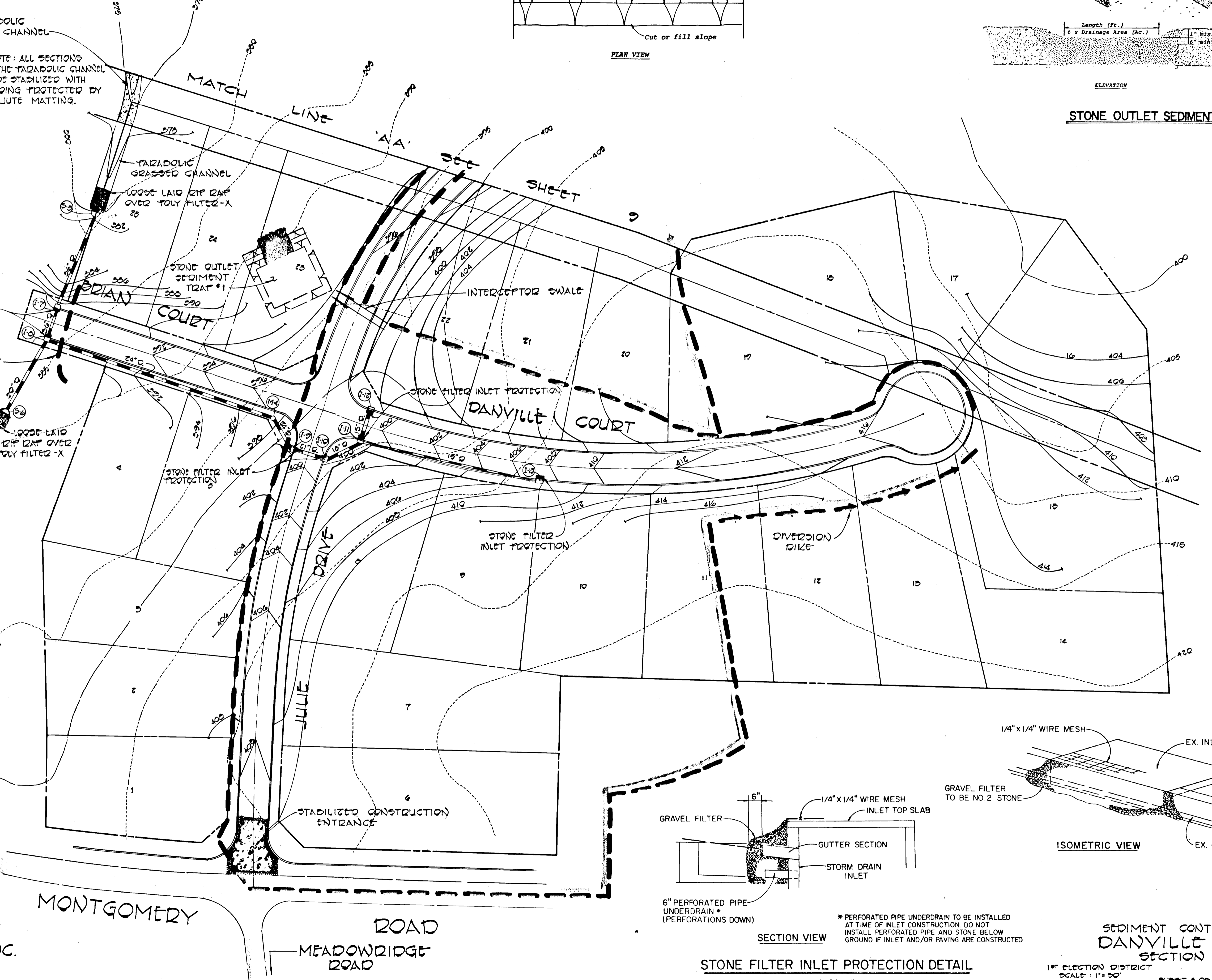
ENGINEER'S CERTIFICATE  
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.  
*Paul D. Collins* 6-28-82 DATE  
 P.E. REG. NO. 9753



STABILIZED CONSTRUCTION ENTRANCE  
 NOT TO SCALE



STONE FILTER INLET PROTECTION DETAIL  
 NO SCALE



FISHER, COLLINS AND CARTER, INC.  
 CONSULTING ENGINEERS AND LAND SURVEYORS  
 8300 COURT AVENUE  
 ELLICOTT CITY, MARYLAND 21045

SEDIMENT CONTROL PLAN  
 DANVILLE ACRES  
 SECTION ONE  
 1\"/>



REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

*William M. Deane* 6-28-82  
U.S. SOIL CONSERVATION SERVICE DATE

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

*William T. Rowe* 6-28-82  
DISTRICT SUPERVISOR DATE

HOWARD SOIL CONSERVATION DISTRICT

**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."

*Mark R. Long* 6/21/82  
DATE

STONE OUTLET SEDIMENT TRAP DATA

TRAP NO.	DRAINAGE AREA	STORAGE REQUIRED	STORAGE PROVIDED	LENGTH OF STONE FILTER	BOTTOM OF TRAP	TOP OF WEIR ELEV.	SIZE OF TRAP (TOP DIMENSIONS)
1	5.0 Ac. ±	9045 cu. ft.	9108 cu. ft.	30'	388.0	391.5	66x56x3'
2	1.5 Ac. ±	2714 cu. ft.	2723	9'	366.0	369.0	33x43x2.5'
3	4.2 Ac. ±	7598 cu. ft.	7698	25.2'	390.0	391.0	61x52x3'

APPROVED:

OFFICE OF PLANNING AND ZONING

*Shull M. Mendenhall* 8-19-82  
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

APPROVED:

DEPARTMENT OF PUBLIC WORKS

*W. Cooney* 8-2-82  
CHIEF, BUREAU OF ENGINEERING DATE

**ENGINEER'S CERTIFICATE**

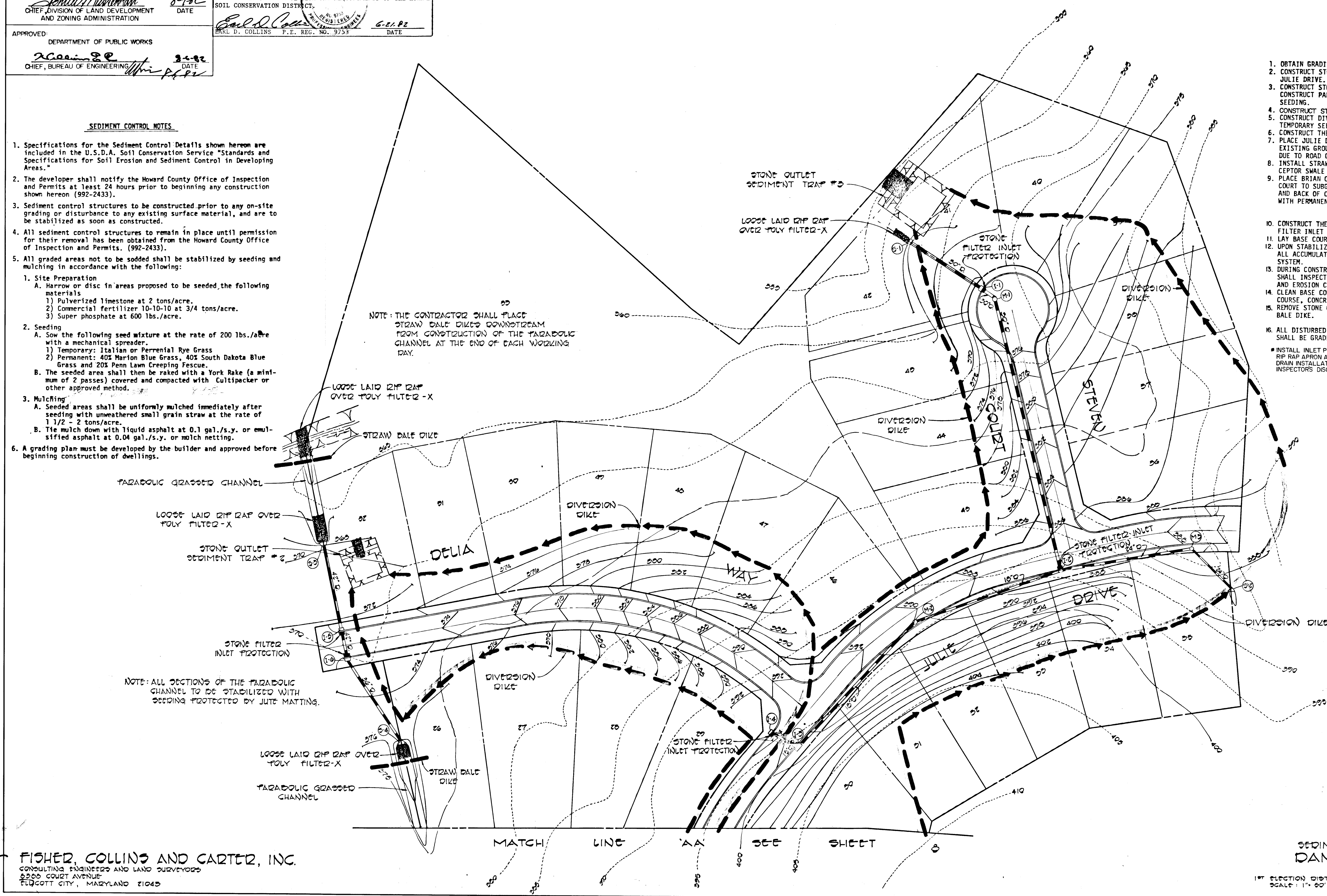
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*Paul D. Collins* 6-21-82  
PAUL D. COLLINS P.E. REG. NO. 9753 DATE

- SEDIMENT CONTROL NOTES**
- Specifications for the Sediment Control Details shown hereon are 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 sodded 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% Marion Blue Grass, 40% South Dakota Blue Grass and 20% Penn Lawn Creeping Fescue.
      - The seeded area shall then be raked with a York Rake (a minimum of 2 passes) covered and compacted with Cultipacker 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 molch netting.
  - A grading plan must be developed by the builder and approved before beginning construction of dwellings.

NOTE: THE CONTRACTOR SHALL PLACE STRAW BALE DIKES DOWNSTREAM FROM CONSTRUCTION OF THE PARABOLIC CHANNEL AT THE END OF EACH WORKING DAY.

NOTE: ALL SECTIONS OF THE PARABOLIC CHANNEL TO BE STABILIZED WITH SEEDING PROTECTED BY JUTE MATTING.



- CONSTRUCTION SEQUENCE**
- OBTAIN GRADING PERMIT.
  - CONSTRUCT STONE CONSTRUCTION ENTRANCE AT MONTGOMERY ROAD AND JULIE DRIVE.
  - CONSTRUCT STORM DRAIN SYSTEM FROM S-3 TO S-4 AND S-5 TO S-6. CONSTRUCT PARABOLIC CHANNEL AND STABILIZE WITH PERMANENT SEEDING.
  - CONSTRUCT STORM DRAIN SYSTEM FROM S-2 TO S-1.
  - CONSTRUCT DIVERSION DIKES AS SHOWN ON PLAN AND STABILIZE WITH TEMPORARY SEEDING.
  - CONSTRUCT THE STONE OUTLET SEDIMENT TRAPS AS SHOWN ON PLAN.
  - PLACE JULIE DRIVE TO SUBGRADE, STABILIZING SLOPE AREAS BETWEEN EXISTING GROUND AND BACK OF CURB AND CUT AND FILL SLOPE AREAS DUE TO ROAD GRADING WITH PERMANENT SEEDING.
  - INSTALL STRAW BALE DIKE AT END OF BRIAN COURT WEST, AND INTERCEPTOR SWALE AT JULIE DRIVE.
  - PLACE BRIAN COURT WEST, BRIAN COURT EAST, DELIA WAY, AND STEVEN COURT TO SUBGRADE. STABILIZE SLOPE AREAS BETWEEN EXISTING GROUND AND BACK OF CURB AND CUT AND FILL SLOPE AREAS DUE TO ROAD GRADING WITH PERMANENT SEEDING.
  - CONSTRUCT THE REMAINING STORM DRAIN SYSTEM AND INSTALL STONE FILTER INLET PROTECTION DEVICES AT ALL INLETS AS SHOWN ON PLAN.
  - LAY BASE COURSE.
  - UPON STABILIZATION OF GRADED AREAS, INLETS SHALL BE OPENED AND ALL ACCUMULATED SEDIMENT SHALL BE REMOVED FROM THE STORM DRAIN SYSTEM.
  - DURING CONSTRUCTION AND AFTER EACH RAINFALL, THE CONTRACTOR SHALL INSPECT AND PROVIDE NECESSARY MAINTENANCE ON THE SEDIMENT AND EROSION CONTROL STRUCTURES SHOWN HEREON.
  - CLEAN BASE COURSE, APPLY TACK COAT TO BASE COURSE, LAY SURFACE COURSE, CONCRETE CURB, SIDEWALKS AND STABILIZE SHOULDERS.
  - REMOVE STONE OUTLET SEDIMENT TRAPS, DIVERSION DIKES AND STRAW BALE DIKE.
  - ALL DISTURBED AREAS DUE TO REMOVAL OF SEDIMENT CONTROL MEASURES SHALL BE GRADED AND STABILIZED BY PERMANENT SEEDING.
- \* INSTALL INLET PROTECTION DEVICES AT I-1 AND I-2 AND INSTALL THE RIP RAP APRON AT S-1. SEDIMENT CONTROL MEASURES FOR THE STORM DRAIN INSTALLATION FROM S-2 TO S-1 WILL BE INSTALLED AT THE INSPECTOR'S DISCRETION IN THE FIELD.

# 952

FISHER, COLLINS AND CARTER, INC.  
CONSULTING ENGINEERS AND LAND SURVEYORS  
2500 COURT AVENUE  
FUGGITT CITY, MARYLAND 21045

SEDIMENT CONTROL PLAN  
DANVILLE ACRES  
SECTION ONE  
1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
SCALE: 1" = 20' MAY 28, 1982  
SHEET 7 OF 7