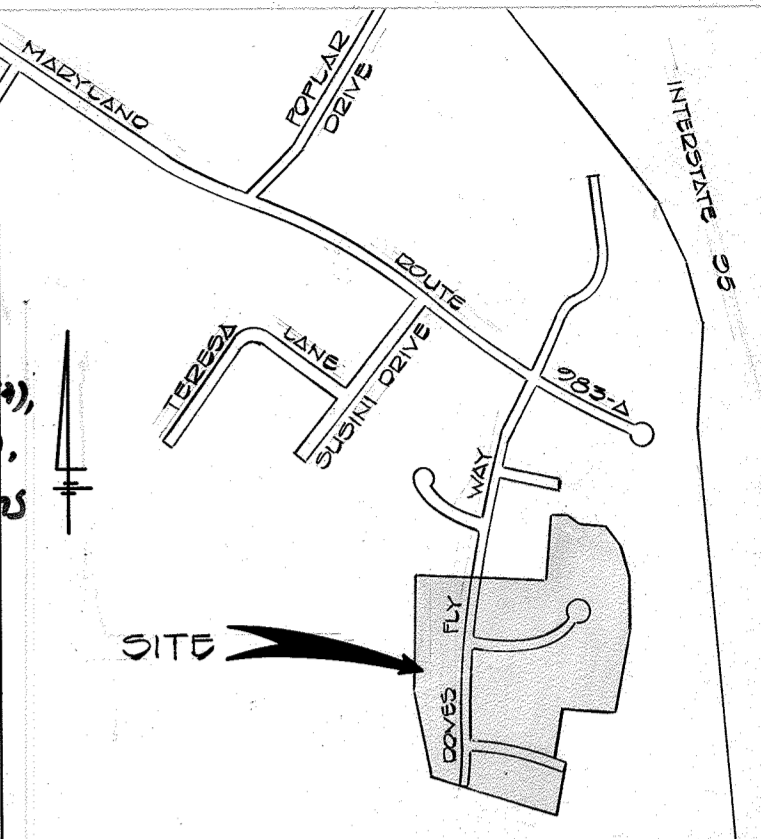


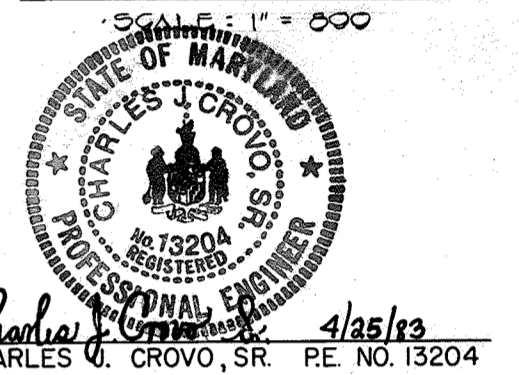
- GENERAL NOTES**
1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH HOWARD COUNTY STANDARDS, SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
 2. ALL UTILITY COMPANIES MUST BE NOTIFIED 24 HRS. IN ADVANCE OF ANY CONSTRUCTION.
 3. STORM DRAINAGE TRENCHES WITHIN ROAD RIGHTS-OF-WAYS SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH HOWARD COUNTY ROAD CODE.
 4. ANY DAMAGE TO PUBLIC RIGHTS-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: 992-2436

± CURVE DATA
 ± STA. 10+00.00 TO ± STA. 14+21.00
 R = 1020.00'
 L = 352.95'
 Δ = 107°43'37"
 T = 162.32'
 CHD = 5°00'07"41" E, 352.16'

Note: 9/26/2022 - Capital Project D-11592 (177) (EP-17-06) titled Cardinal Forest Stormwater Pond Repair was created to repair the principal spillway, riser and barrel, and the emergency spillway along a Patuxent River tributary illustrated within the limits of this site plan. An alternative compliance was processed through the Department of Planning and Zoning under WP-22-058, approved on 06/30/2022, to waive Section 16.155(c)(4), Section 16.155(c), Section 16.1201(c), Section 16.1205(a)(2), and of the subdivision and Land Development Regulations subject to four approval conditions. For the detailed conditions of approval and the current site conditions within the disturbed area, please see the capital project plans.



VICINITY MAP
 SCALE: 1" = 500'

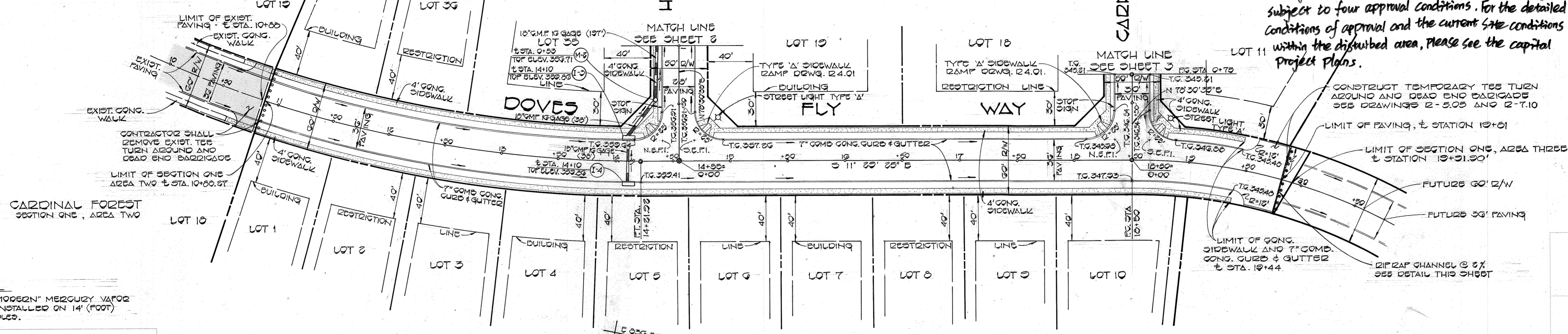


CARDINAL FOREST SECTION I, AREA 3
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

DOVES FLY WAY PLAN & PROFILE

OWNER AND DEVELOPER
 FOXLEIGH JOINT VENTURE
 2205 FOXLY ROAD
 TIMONIUM, MARYLAND 21093

SCALE: AS SHOWN DATE: APRIL 22, 1983 DWG. NO. 1 OF 5
 DES: C. CROVO DRN: A. BOGDAN CHK: R.B. CARTER
 FISHER, COLLINS AND CARTER, INC.
 CIVIL ENGINEERS AND LAND SURVEYORS
 8388 COURT AVE. ELLICOTT CITY, MARYLAND 21043



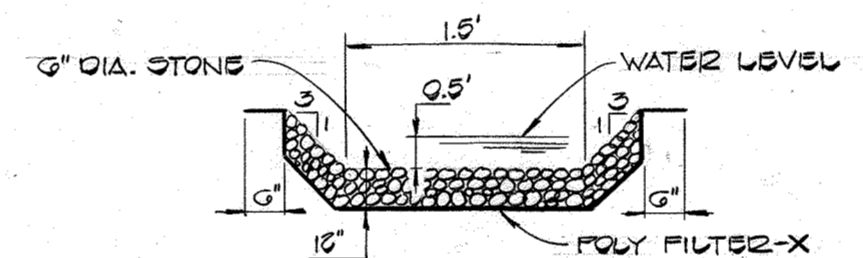
STREET LIGHTS
 TYPE 'A' ITS WATT "MODERN" MERCURY VAPOR FOOT TOP FIXTURES INSTALLED ON 14' (FOOT) GRAY FIBERGLASS POLES.

APPROVED DEPARTMENT OF PUBLIC WORKS
 [Signature] 7-5-83
 CHIEF, BUREAU OF ENGINEERING

APPROVED OFFICE OF PLANNING AND ZONING
 [Signature] 7-13-83
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

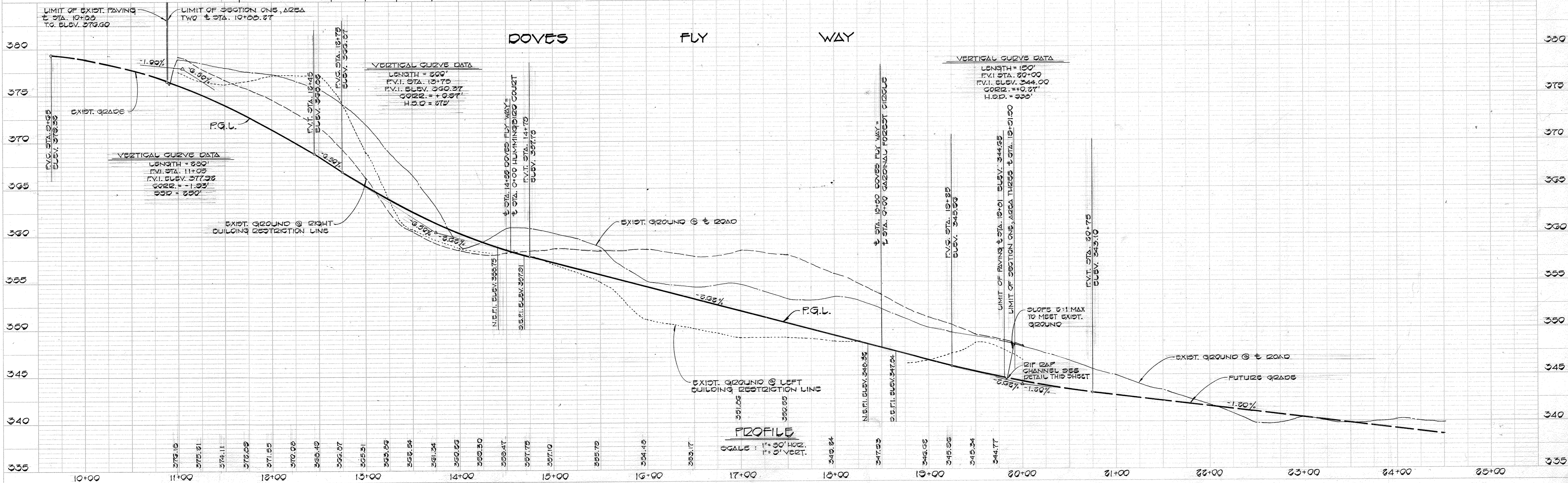
STRUCTURE SCHEDULE

NO.	TYPE	INV. IN	INV. OUT	TOP ELEV.	REMARKS
I-1	A-5	344.08	344.37	351.11	DRWG. 50 4.01
I-2	A-10	346.08	346.28	351.11	DRWG. 50 4.02
I-3	A-10 WITH DEFLECTORS	354.73	354.01	353.66	DRWG. 50 4.03 & 4.04
I-4	A-10 WITH DEFLECTORS	-	359.25	359.66	DRWG. 50 4.03 & 4.04
M-1	STAND. MANHOLE	340.28	349.37	352.03	DRWG. 9 2.01, 20' RIGHT
M-2	STAND. MANHOLE	331.14	350.23	352.71	DRWG. 9 2.01, 20' LEFT
S-1	STR. METAL END SECT.	-	331.23	333.23	DRWG. 50 3.01



PLAN RIP RAP CHANNEL @ TEE TURN AROUND
 NO SCALE

± CURVE DATA
 ± STA. 10+00 TO ± STA. 19+21.90
 R = 475.00'
 L = 141.90'
 Δ = 28°21'33"
 T = 71.48'
 CHD = 5°00'33" E, 141.37'



PROFILE
 SCALE: 1" = 50' HOR.
 1" = 0' VERT.

DATE: _____ BY: _____
 SURVEYED: _____
 PLOTTED: _____
 GRADES CHECKED: _____
 STRUCTURE NOTATIONS CHKD: _____
 NOTE BOOK NO. _____

DATE: _____ BY: _____
 SURVEYED: _____
 PLOTTED: _____
 GRADES CHECKED: _____
 STRUCTURE NOTATIONS CHKD: _____
 NOTE BOOK NO. _____

128

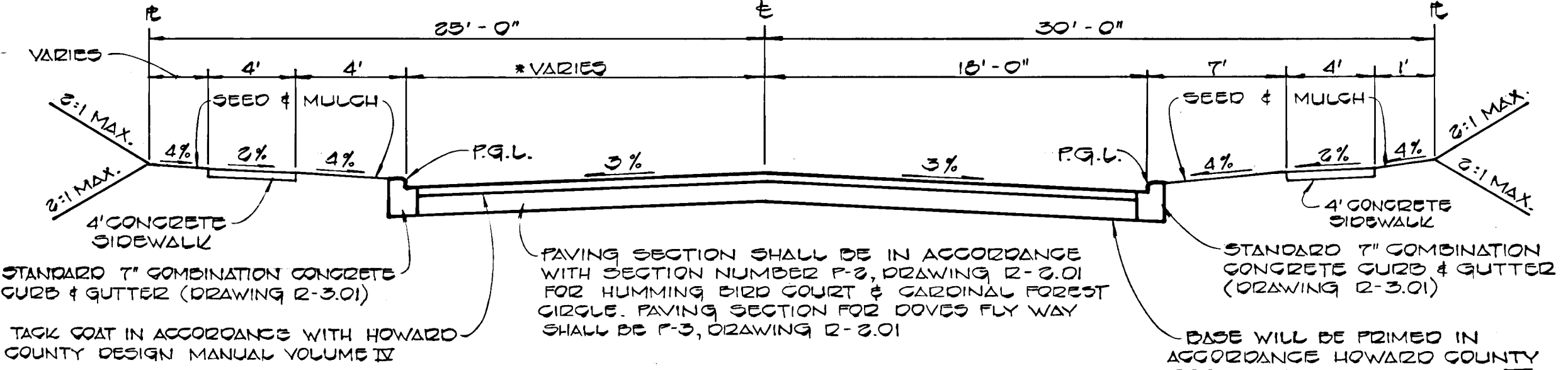
CARDINAL FOREST CIRCLE
± STA. 0+00 TO ± STA. 3+30

DOVES FLY WAY
± STA. 10+00 TO ± STA. 19+01

HUMMINGBIRD COURT
± STA. 0+00 TO ± STA. 5+60.71

TYPE OF TRAFFICWAY LOCAL AND CULDESAC DESIGN SPEED 30 MPH ZONED R-20

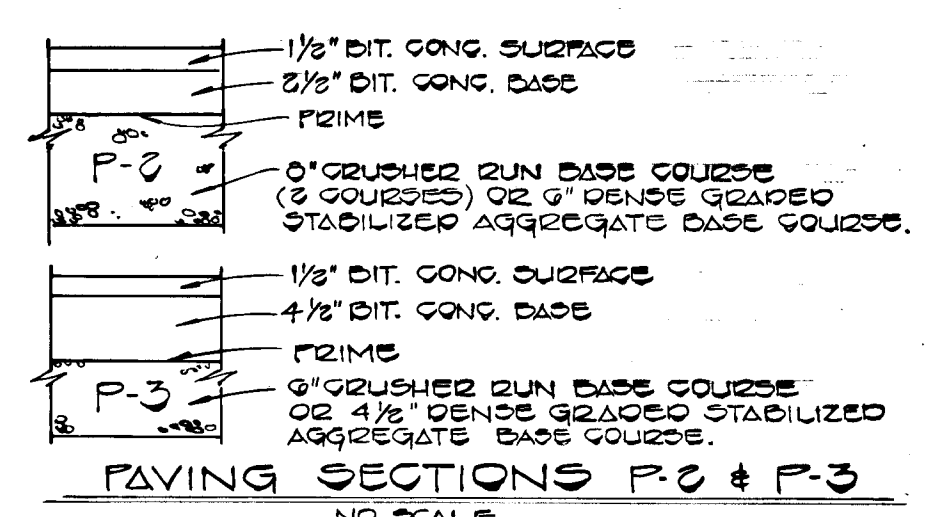
TYPE OF TRAFFICWAY RESIDENTIAL COLLECTOR DESIGN SPEED 30 MPH ZONED R-20



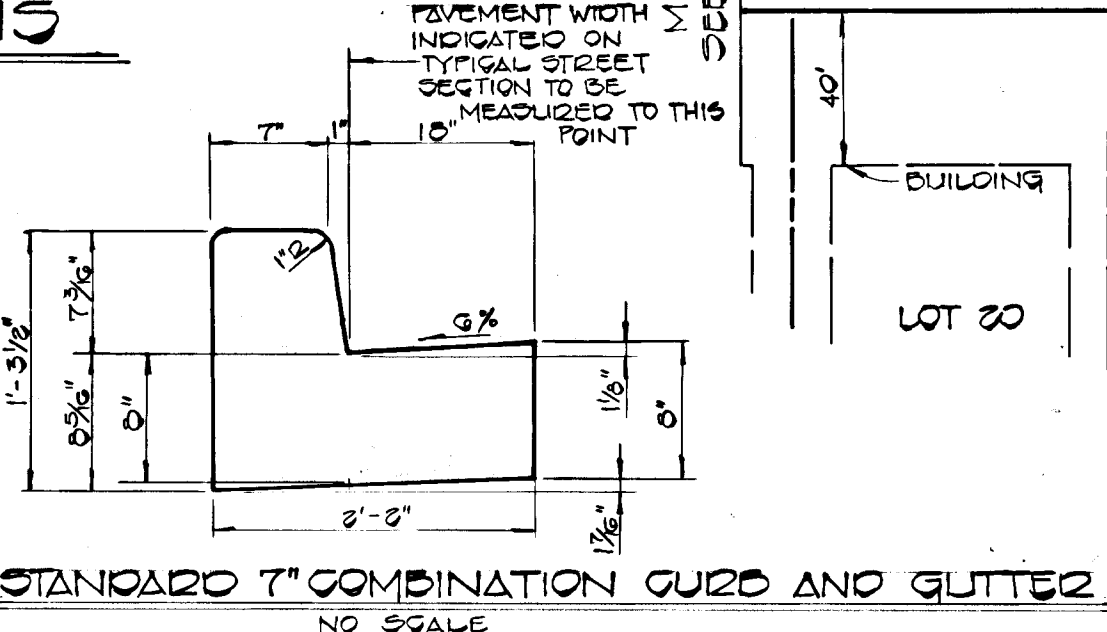
TYPICAL ROADWAY - HALF SECTIONS
NO SCALE

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

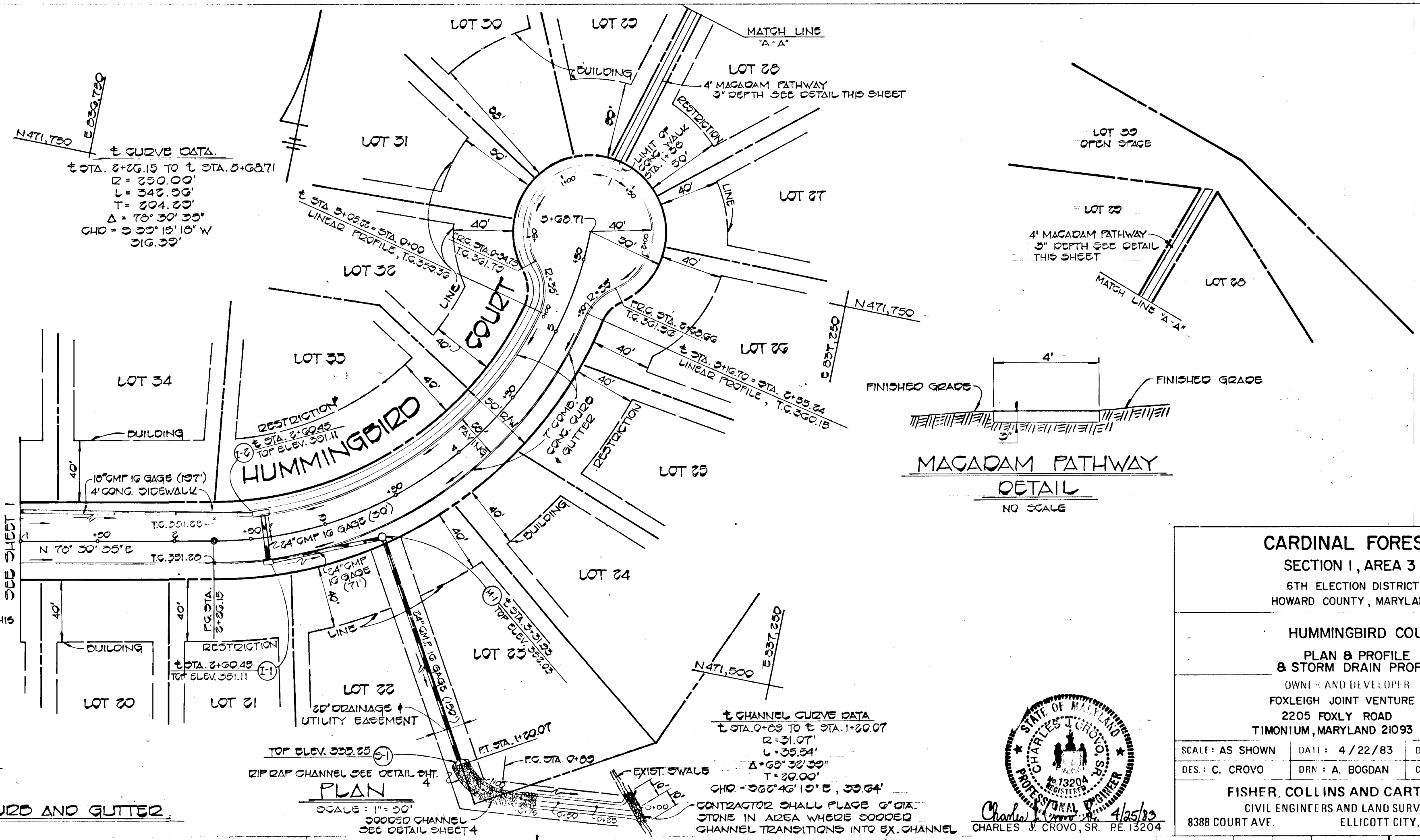
* PAVING WIDTH FOR HUMMINGBIRD COURT = 25'-0"
* PAVING WIDTH FOR CARDINAL FOREST CIRCLE = 30'-0"



PAVING SECTIONS P-0 & P-3
NO SCALE



STANDARD T-COMBINATION CURB AND GUTTER
NO SCALE



PLAN
SCALE: 1" = 50'



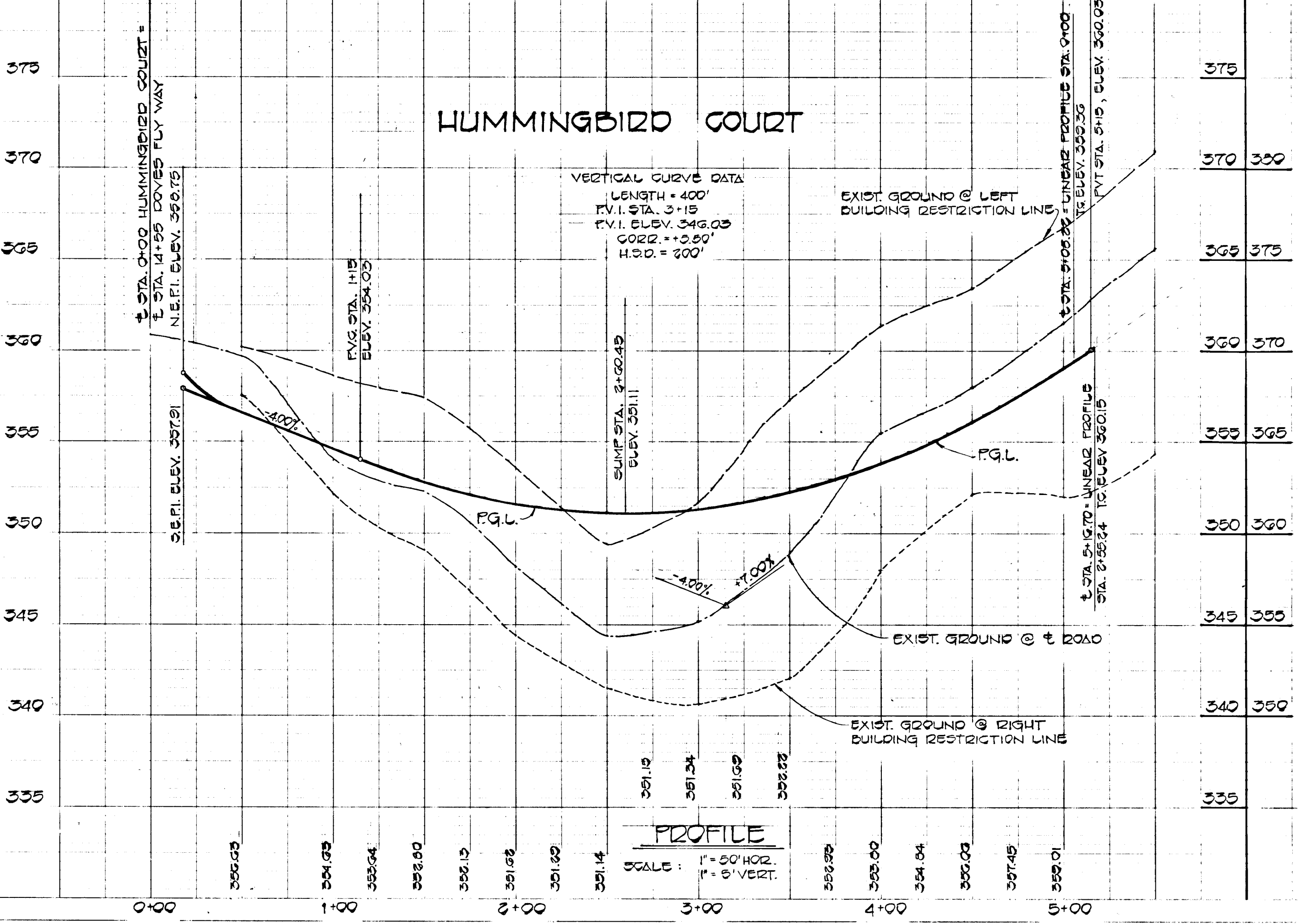
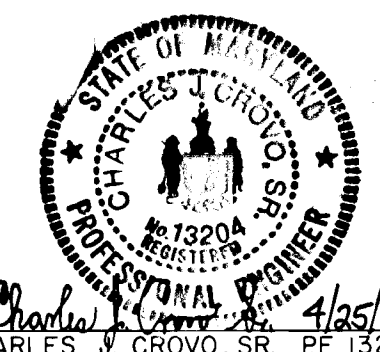
MACADAM PATHWAY DETAIL
NO SCALE

CARDINAL FOREST SECTION I, AREA 3
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

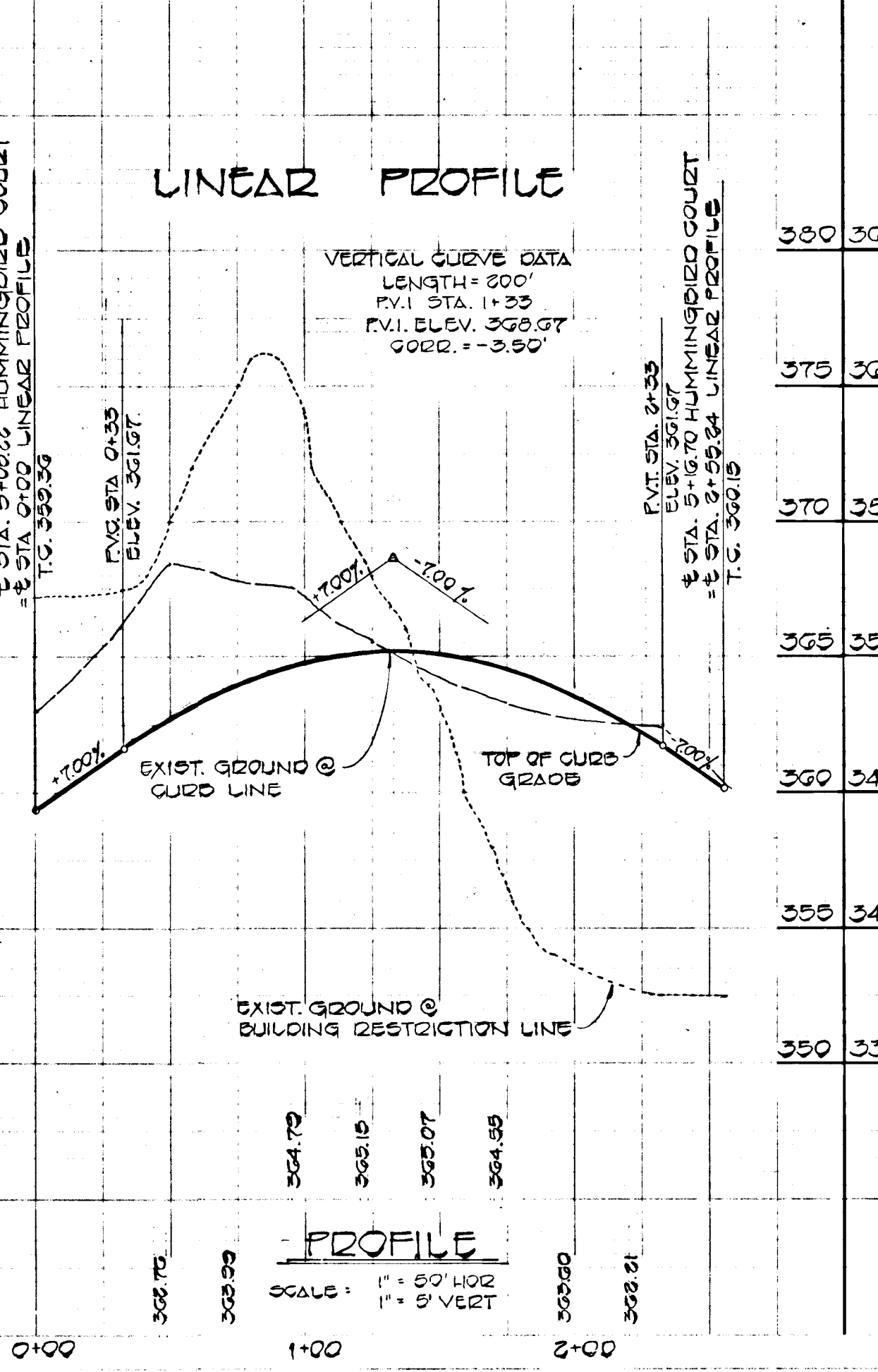
HUMMINGBIRD COURT
PLAN & PROFILE & STORM DRAIN PROFILES
OWNED AND DEVELOPED BY
FOXLEIGH JOINT VENTURE
2205 FOXLY ROAD
TIMONIUM, MARYLAND 21093

SCALE: AS SHOWN DATE: 4/22/83 DWG. NO. 2 OF 5
DES.: C. CROVO DRN.: A. BOGDAN CHK.: R. B. CARTER

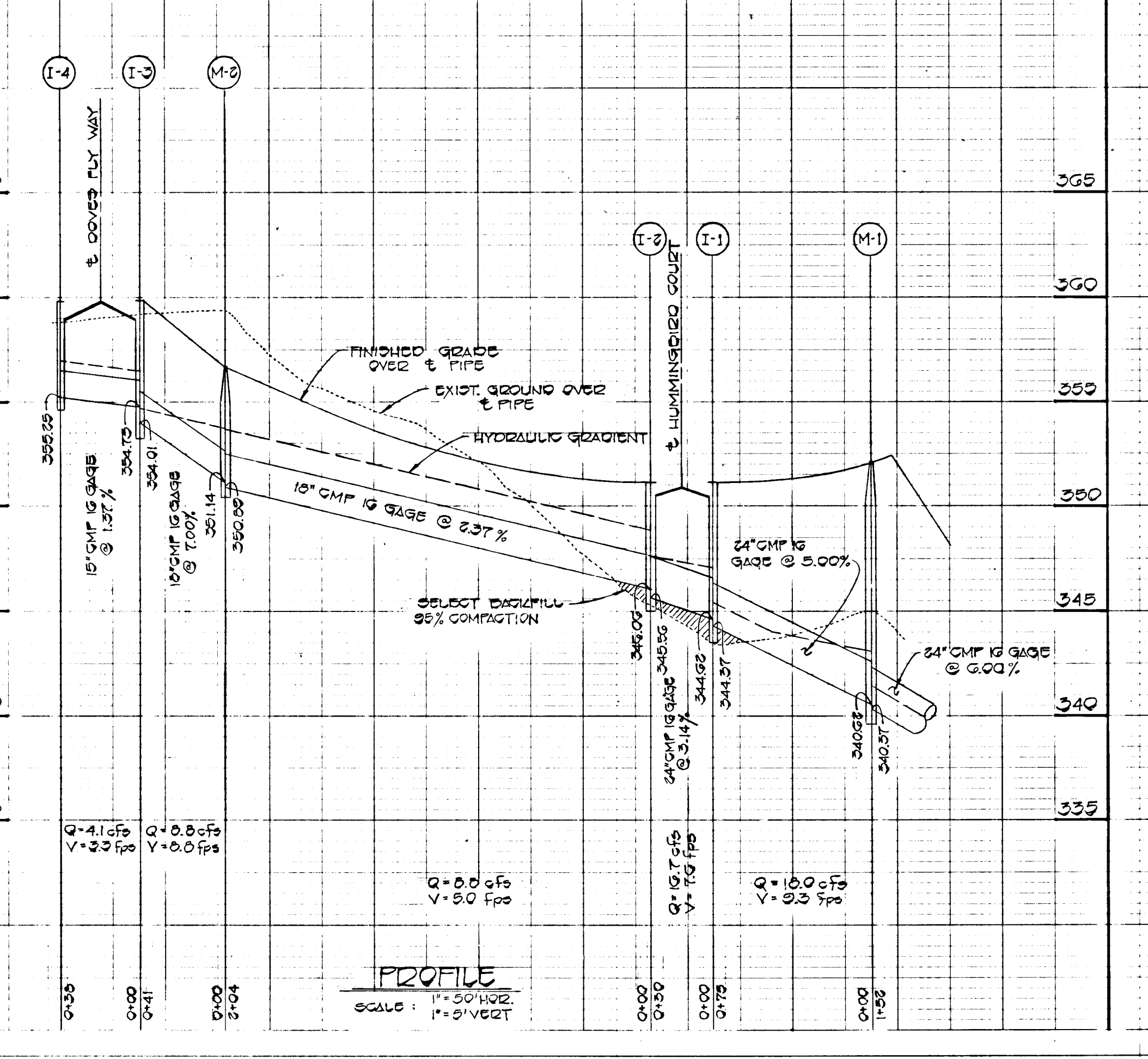
FISHER, COLLINS AND CARTER, INC.
CIVIL ENGINEERS AND LAND SURVEYORS
8388 COURT AVE. ELLICOTT CITY, MARYLAND 21043



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



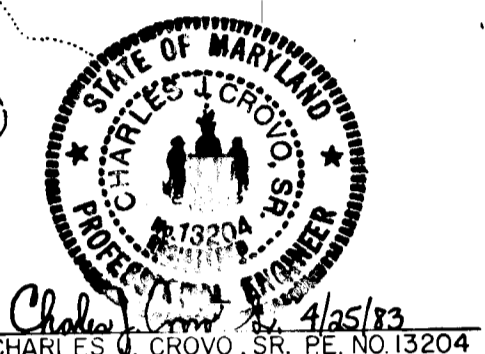
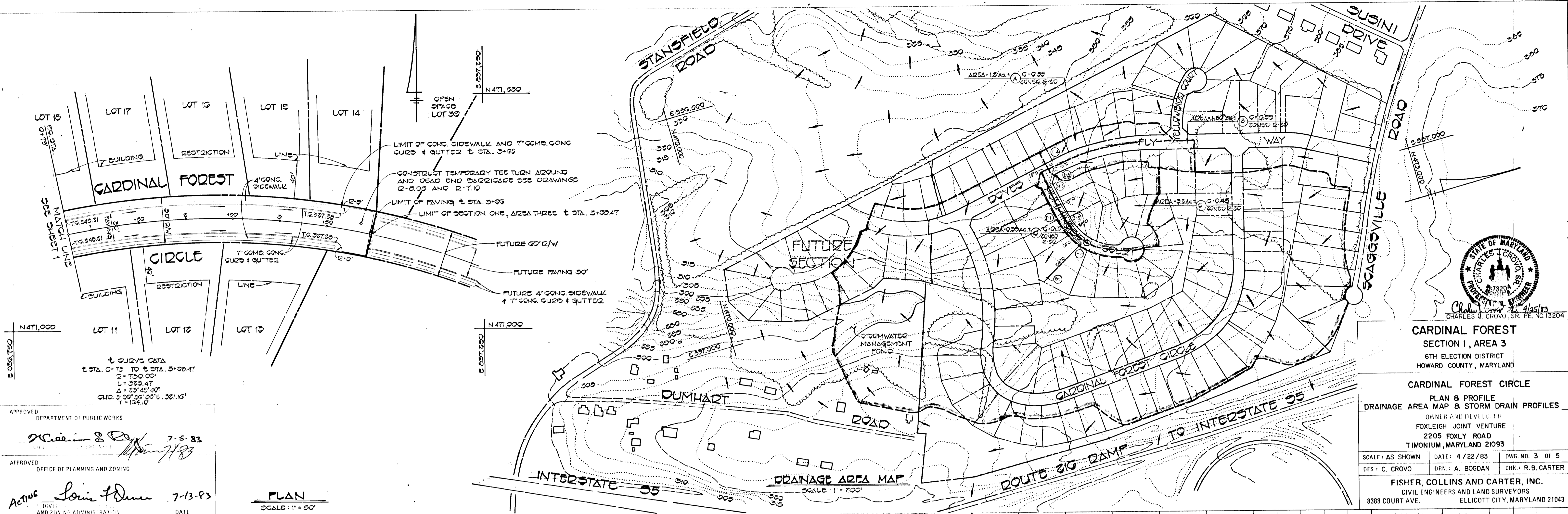
PROFILE
SCALE: 1" = 50' HOR.
1" = 5' VERT.



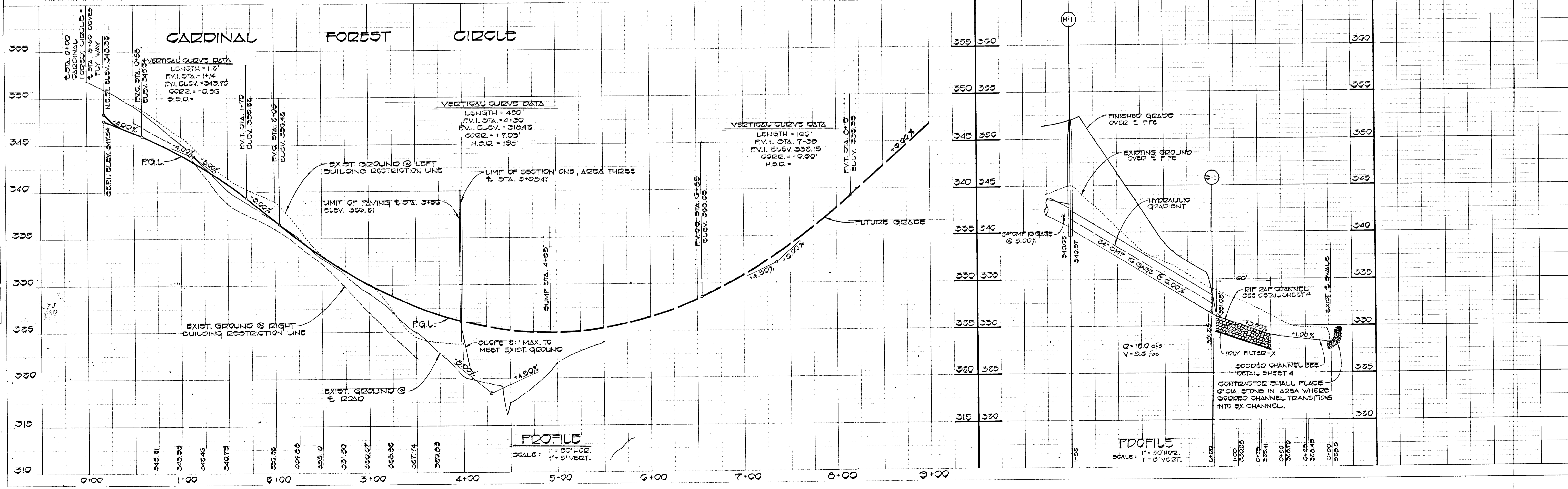
PROFILE
SCALE: 1" = 50' HOR.
1" = 5' VERT.

#728

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MARYLAND ENGINEERING AND SURVEYING BOARD'S REGULATIONS.
 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS.
 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES.
 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ACCESS TO ALL ADJACENT PROPERTIES.
 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ALL AREAS TO ORIGINAL OR BETTER CONDITION.
 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL EXCESS MATERIAL AND DEBRIS.
 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC CONTROL DURING CONSTRUCTION.
 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL ENVIRONMENTAL FEATURES.
 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INSURANCE.
 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL RECORDS OF THE PROJECT.



CARDINAL FOREST
 SECTION I, AREA 3
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
CARDINAL FOREST CIRCLE
 PLAN & PROFILE
 DRAINAGE AREA MAP & STORM DRAIN PROFILES
 OWNER AND DEVELOPER:
 FOXLEIGH JOINT VENTURE
 2205 FOXLY ROAD
 TIMONIUM, MARYLAND 21093
 SCALE: AS SHOWN DATE: 4/22/83 DWG. NO. 3 OF 5
 DES.: C. CROVO DRN.: A. BOGDAN CHK.: R.B. CARTER
FISHER, COLLINS AND CARTER, INC.
 CIVIL ENGINEERS AND LAND SURVEYORS
 8388 COURT AVE.
 ELLICOTT CITY, MARYLAND 21043



#728

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."

Signature of Developer: *John W. Hatalak* DATE: 4/20/83

ENGINEER'S CERTIFICATE

"HEREBY 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 J. Cross Jr.* DATE: 4/21/83

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

Signature of Reviewer: *John M. Helm* DATE: 7-1-83

U.S. SOIL CONSERVATION SERVICE DATE

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

APPROVED: *Robert J. Helm* DATE: 7-1-83

DISTRICT COORDINATOR DATE

HOWARD SOIL CONSERVATION DISTRICT

APPROVED: DEPARTMENT OF PUBLIC WORKS.

Signature: *William B. Powell* DATE: 7-5-83

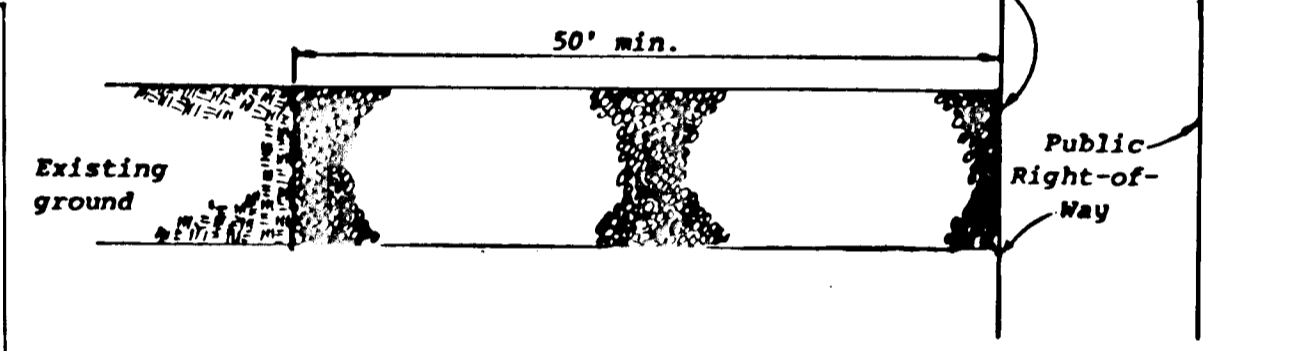
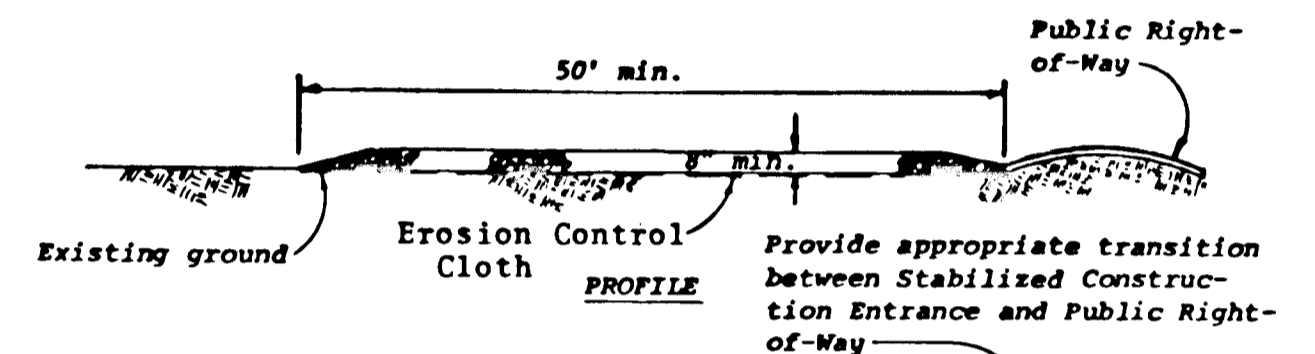
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: OFFICE OF PLANNING AND ZONING

Signature: *Robert L. Danner* DATE: 7-12-83

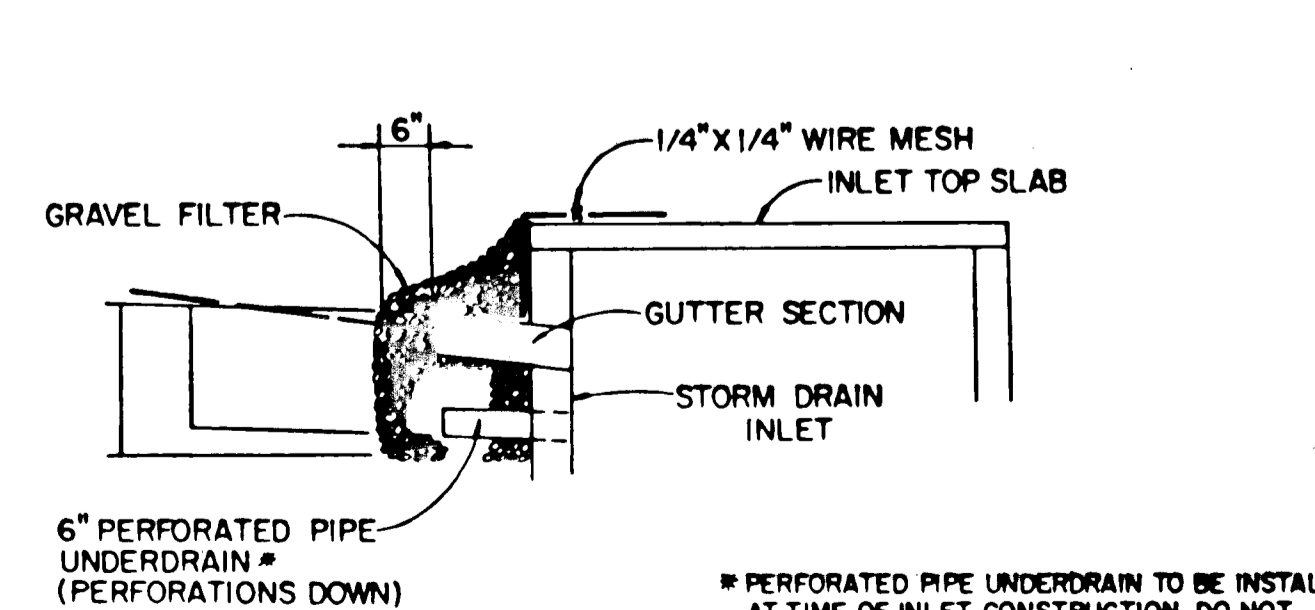
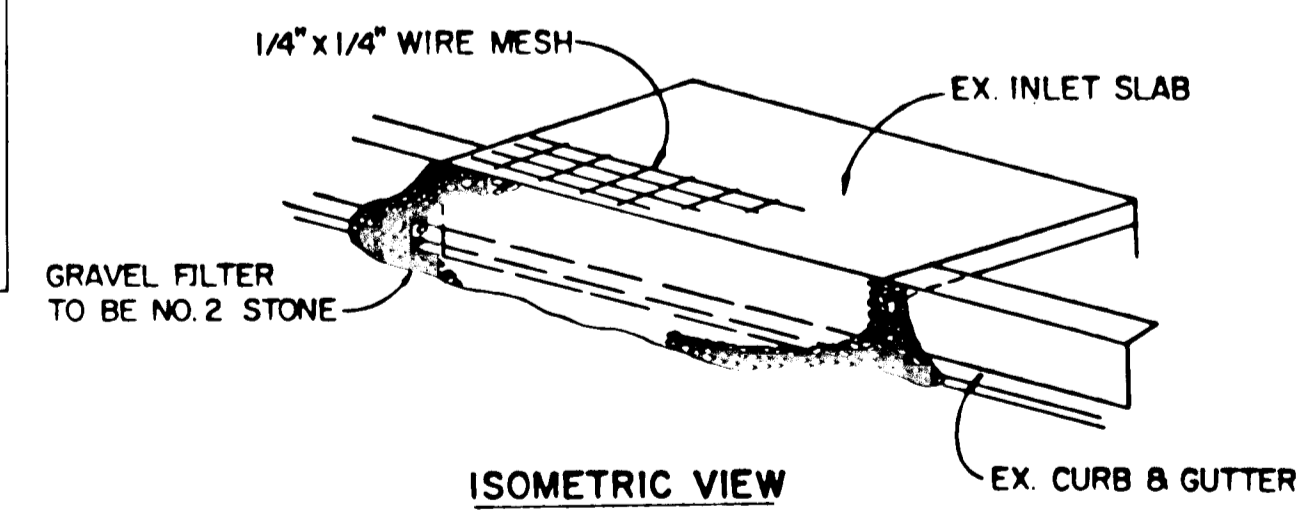
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

- CONSTRUCTION SEQUENCE**
1. OBTAIN GRADING PERMIT.
 2. CONSTRUCT STONE CONSTRUCTION ENTRANCE AS SHOWN ON PLAN.
 3. CONSTRUCT STORM WATER MANAGEMENT POND AND STABILIZE USING TEMPORARY SEEDING.
 4. THE 18" CMP SHALL BE BLOCKED IN ACCORDANCE WITH THE DETAIL ON THIS SHEET. THE 18" CMP SHALL REMAIN BLOCKED UNTIL SUCH TIME WHEN THE SEDIMENT BASIN TRANSITIONS TO FUNCTION AS A STORM WATER MANAGEMENT POND.
 5. GRADE ROADS TO SUBGRADE STABILIZING SLOPE AREAS BETWEEN EXISTING GROUND AND BACK OF CURB USING PERMANENT SEEDING.
 6. CONSTRUCT STORM DRAIN SYSTEM.
 7. INSTALL STONE FILTER INLET PROTECTION DEVICES AT INLETS 1-1, 1-2, 1-3, 1-4.
 8. CONSTRUCT CONCRETE CURB AND LAY BASE COURSE.
 9. UPON STABILIZATION OF GRADED AREAS, INLETS SHALL BE OPENED AND ALL ACCUMULATED SEDIMENT SHALL BE REMOVED FROM THE STORM DRAIN SYSTEM.
 10. DURING CONSTRUCTION, SEDIMENT SHALL BE REMOVED FROM THE STORM WATER MANAGEMENT POND WHEN THE CLEANOUT ELEVATION 307.50 HAS BEEN REACHED.
 11. DURING CONSTRUCTION AND AFTER EACH RAINFALL, THE CONTRACTOR SHALL INSPECT AND PROVIDE NECESSARY MAINTENANCE ON THE SEDIMENT AND EROSION CONTROL STRUCTURES SHOWN HEREON.
 12. REMOVE STONE CONSTRUCTION ENTRANCE.
 13. CLEAN BASE COURSE, APPLY TACK COAT TO BASE COURSE, LAY SURFACE COURSE AND INSTALL CONCRETE SIDEWALK. STABILIZE ALL SHOULDERS USING PERMANENT SEEDING.
 14. THE SEDIMENT BASIN SHALL BE DEWATERED BY PUMPING.
 15. THE SEDIMENT FROM THE STORM WATER MANAGEMENT POND SHALL BE PLACED ALONG THE FILL SLOPE AT HUMMINGBIRD COURT.
 16. THE STORM WATER MANAGEMENT POND SHALL BE GRADED IN ACCORDANCE WITH SHEET FOUR AND STABILIZED IN ACCORDANCE WITH THE PERMANENT SEEDING SPECIFICATIONS IN THE SEDIMENT CONTROL NOTES. INSTALL RIP RAP APRONS.
 17. ALL DISTURBED AREAS SHALL BE GRADED AND STABILIZED BY PERMANENT SEEDING.

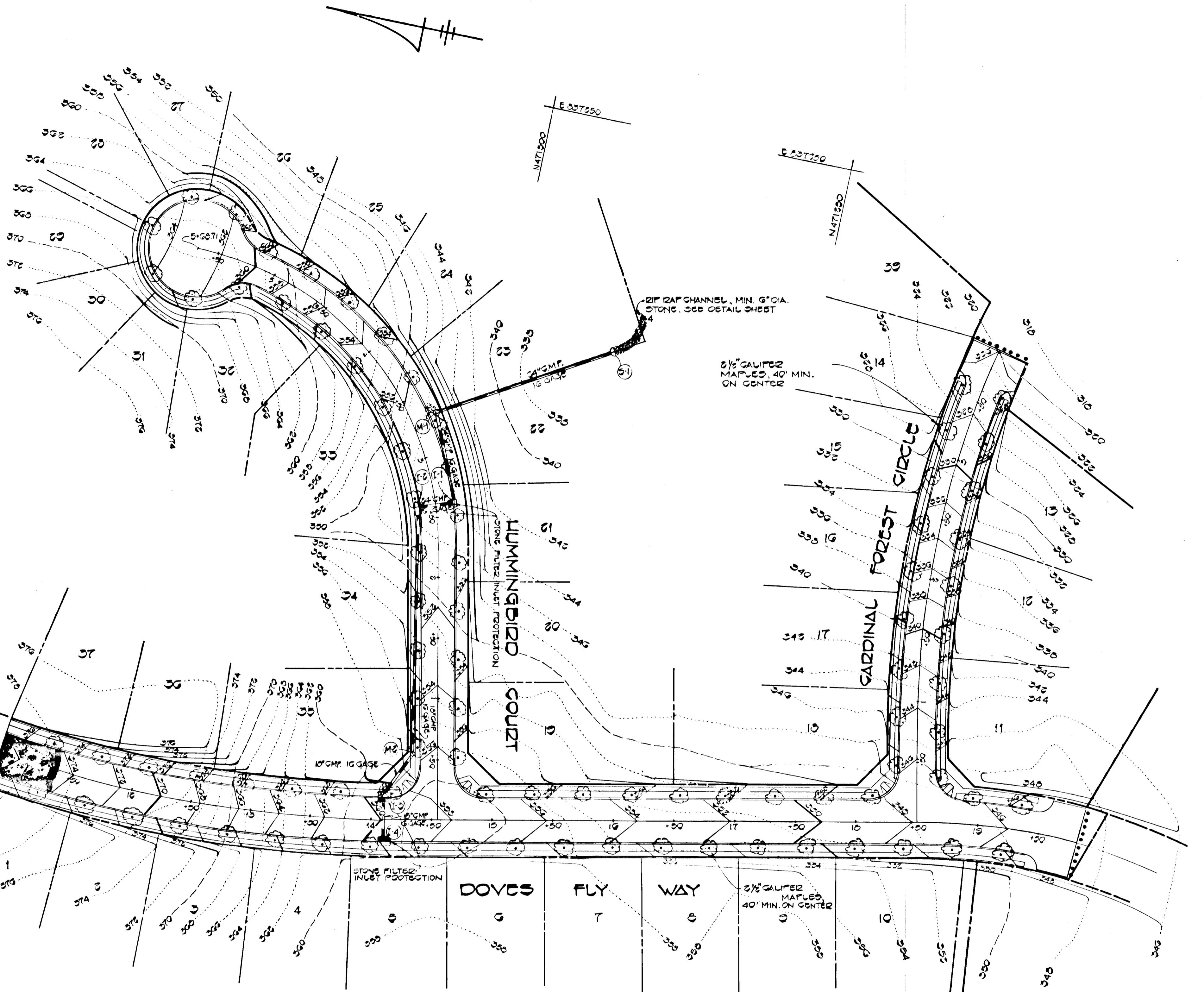
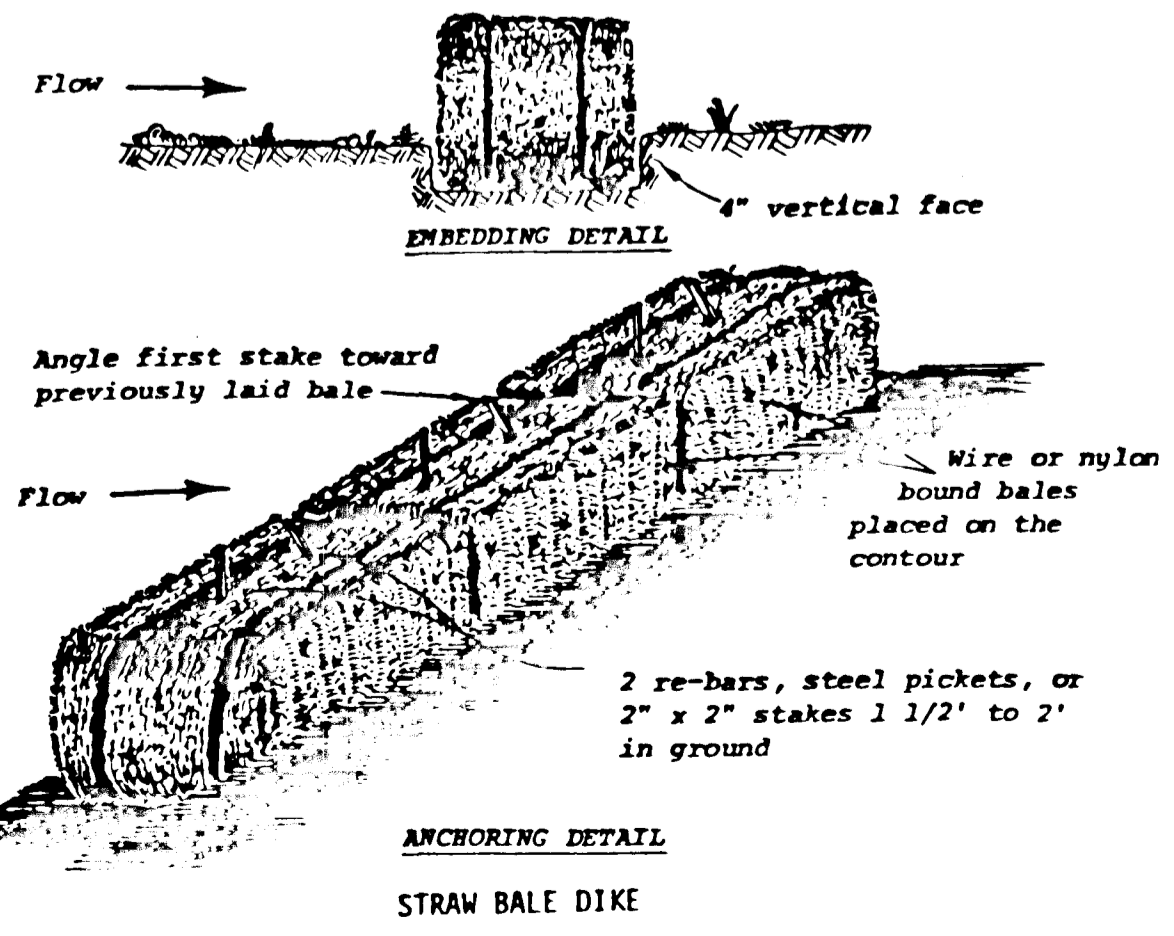


STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE

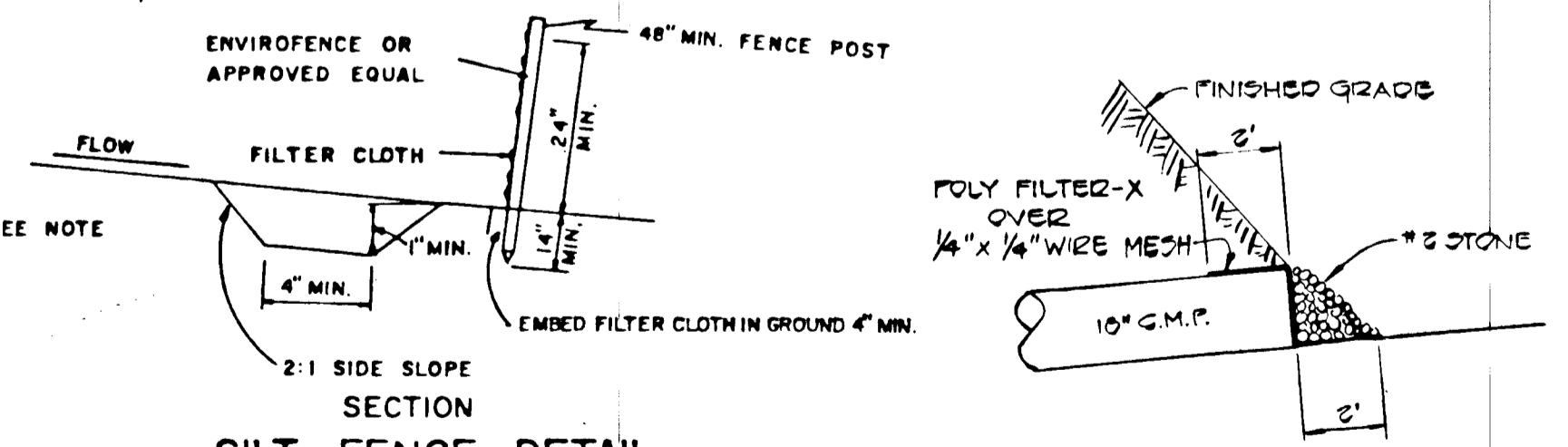
- SEDIMENT CONTROL NOTES**
1. Specifications for the Sediment Control Details shown hereon are included in the U.S.D.A. Soil Conservation Service "Standards and Specifications for Soil Erosion and Sediment Control in Developing Areas."
 2. The developer shall notify the Howard County Office of Inspection and Permits at least 24 hours prior to beginning any construction shown hereon (992-2433).
 3. 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.
 4. 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).
 5. All graded areas not to be sodded shall be stabilized by seeding and mulching in accordance with the following:
 1. Site Preparation
 - A. Harrow or disc in areas proposed to be seeded the following materials:
 - 1) Pulverized limestone at 2 tons/acre.
 - 2) Commercial fertilizer 10-10-10 at 3/4 tons/acre.
 - 3) Super phosphate at 600 lbs./acre.
 2. Seeding
 - A. Sow the following seed mixture at the rate of 200 lbs./acre with a mechanical spreader.
 - 1) Temporary: Italian or Perennial Rye Grass
 - 2) Permanent: 40% Marion Blue Grass, 40% South Dakota Blue Grass and 20% Penn Lawn Creeping Fescue.
 - B. 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.
 3. Mulching
 - A. Seeded areas shall be uniformly mulched immediately after seeding with unweathered small grain straw at the rate of 1 1/2 - 2 tons/acre.
 - B. Tie mulch down with liquid asphalt at 0.1 gal./s.y. or emulsified asphalt at 0.04 gal./s.y. or mulch netting.
 6. A grading plan must be developed by the builder and approved before beginning construction of dwellings.



STONE FILTER INLET PROTECTION DETAIL
NO SCALE



PLAN
SCALE: 1" = 50'



SILT FENCE DETAIL
NOT TO SCALE

SITE ANALYSIS

TOTAL AREA OF SECTION ONE, AREA THREE - 13.7 AC.

IMPERVIOUS AREA - 1.4 AC.

AREA TO BE VEGETATED - 1.3 AC.

UNDISTURBED AREA - 10.4 AC.

BLOCKING DETAIL FOR 18\"/>

GRADING & SEDIMENT CONTROL PLAN

CARDINAL FOREST

SECTION ONE, AREA THREE

6TH ELECTION DISTRICT HOWARD COUNTY, MD.

SCALE: AS SHOWN APRIL 22, 1983

SHEET 5 OF 5

FISHER, COLLINS & GARTER, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS
5500 COURT AVENUE
ELLSWORTH CITY, MARYLAND 21043

OWNER & DEVELOPER

FORELIGH JOINT VENTURE
SUITE 103, 5501 TWIN KNOLLS RD.
COLUMBIA, MARYLAND 21045