

ENGINEER'S CERTIFICATE
 I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL IS A TRUE AND CORRECT COPY OF THE ORIGINAL AS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

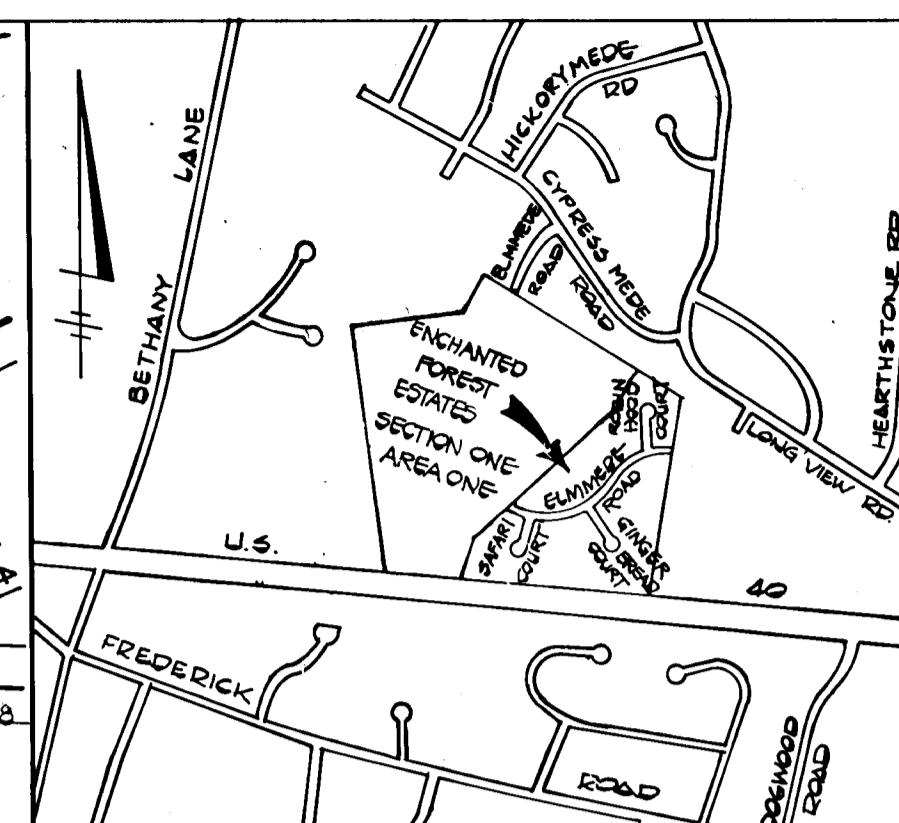
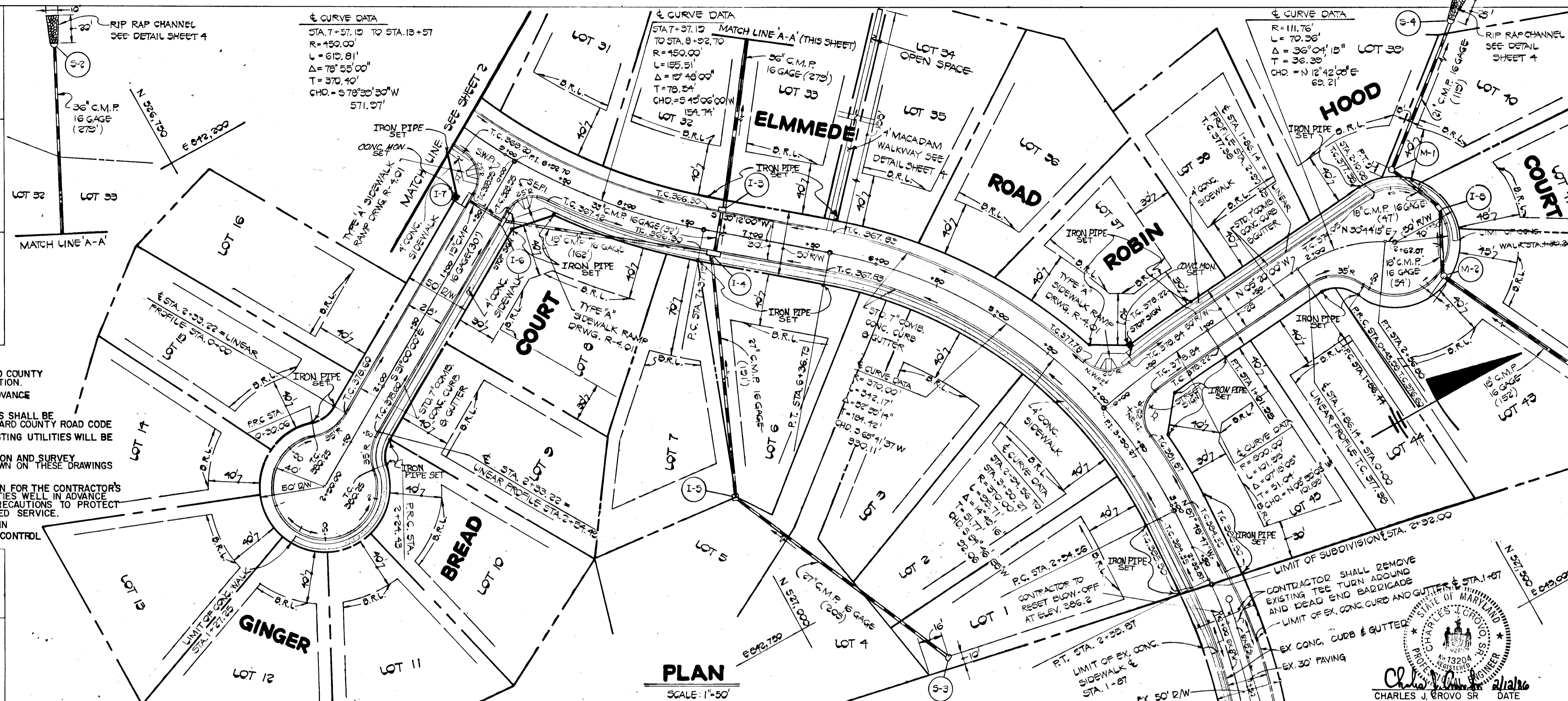
DEVELOPER'S CERTIFICATE
 I HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF 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 COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY.

APPROVED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
 APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

GENERAL NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH HOWARD COUNTY STANDARDS, SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
- ALL UTILITY COMPANIES MUST BE NOTIFIED 24 HOURS IN ADVANCE OF ANY CONSTRUCTION.
- STORM DRAINAGE TRENCHES WITHIN ROAD RIGHT-OF-WAYS SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH HOWARD COUNTY ROAD CODE.
- ANY DAMAGE TO PUBLIC RIGHT-OF-WAYS, PAVING, OR EXISTING UTILITIES WILL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR TO NOTIFY THE HOWARD COUNTY INSPECTION AND SURVEY DIVISION AT LEAST 3 DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS TELEPHONE 792-7272.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN FOR THE CONTRACTOR'S INFORMATION. CONTRACTOR SHALL LOCATE EXISTING UTILITIES WELL IN ADVANCE OF CONSTRUCTION ACTIVITIES AND TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND TO MAINTAIN UNINTERRUPTED SERVICE.
- ALL TRAFFIC CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, 1978 EDITION.

APPROVED DEPARTMENT OF PUBLIC WORKS
 APPROVED OFFICE OF PLANNING AND ZONING



BENCH MARK:
 BM #1 ELEV. 330.82'
 REBAR SET IN SHOULDER OF WESTBOUND LANE, REAR LOT 22 - TRAVERSE STA. 'LM-2'

BM #2 ELEV. 330.61'
 REBAR SET IN REAR OF LOTS 16 & 17, BOUNTY VISTA - TRAVERSE STA. 'LM-5'

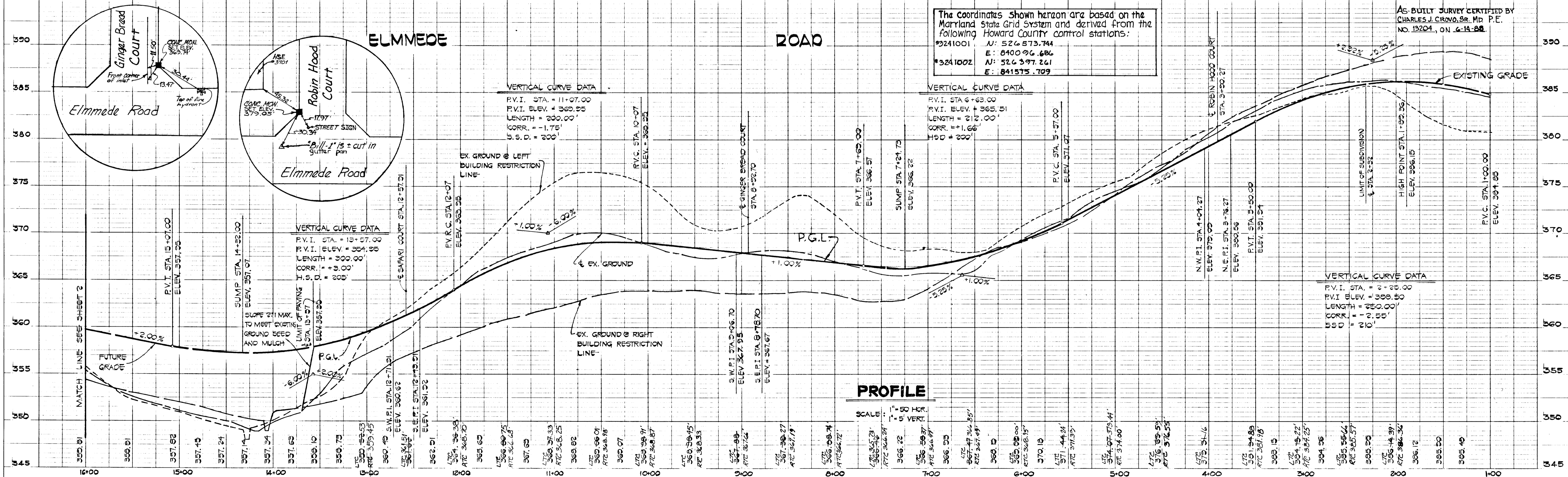
ENCHANTED FOREST ESTATES SECTION ONE AREA ONE
 2ND. ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

GINGER BREAD COURT AND ROBIN HOOD COURT PLAN AND PROFILE

OWNER AND DEVELOPER: GREENHILL JOINT VENTURE, 1777 REISTERSTOWN ROAD, BALTIMORE, MD 21208

SCALE AS SHOWN DATE: FEB. 10, 1996 DWG. NO. 1 OF 6
 DES. R. SHUMAKER DRN. J. O'DONNELL CHK. C. GROVO

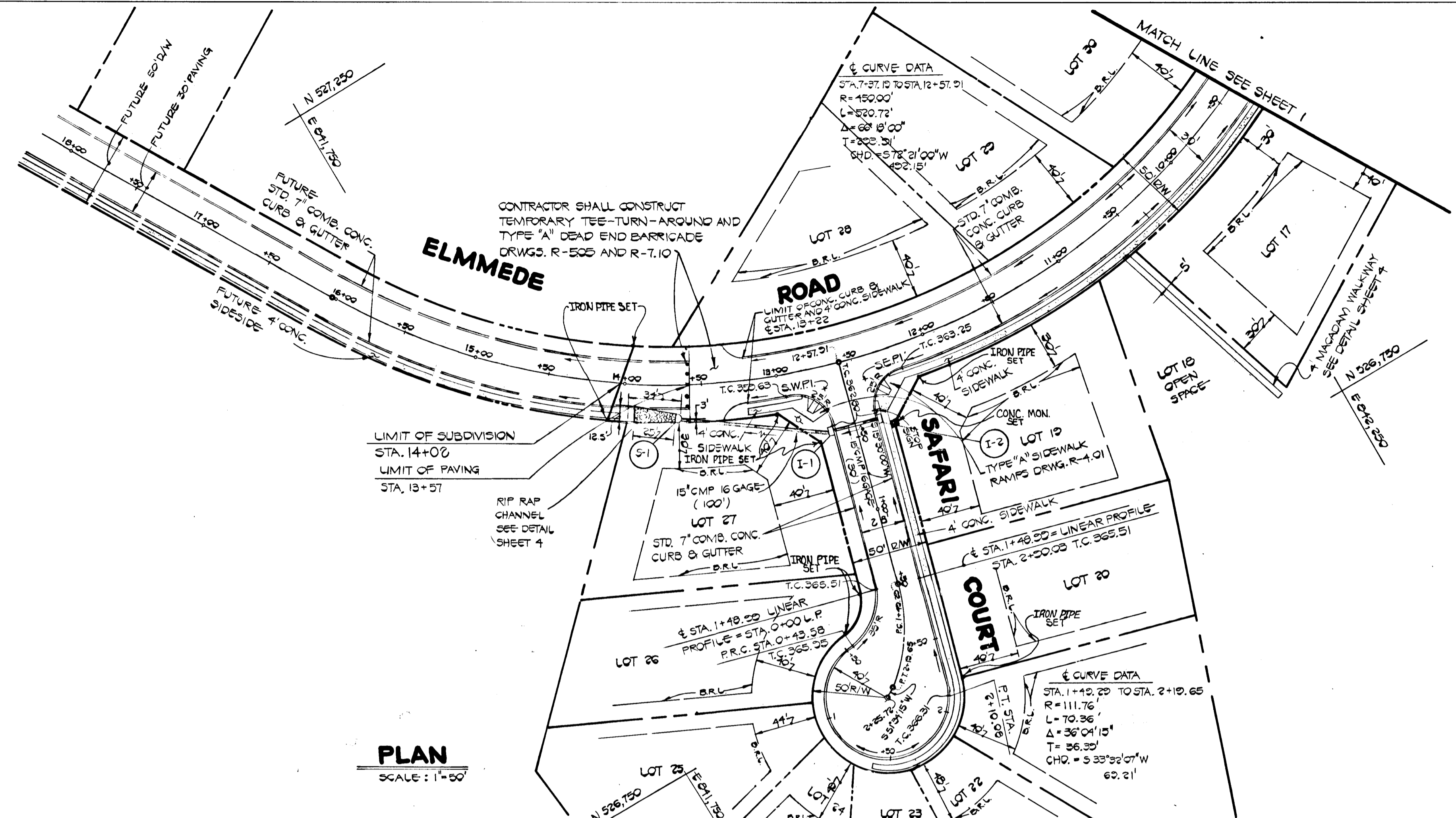
FISHER, COLLINS AND CARTER, INC.
 CIVIL ENGINEERS AND LAND SURVEYORS
 8388 COURT AVE. ELLICOTT CITY, MARYLAND 21103



DATE	
BY	
DESIGNED	
PLOTTED	
ALIGNMENT CHECKED	
RT. OF WAY CHECKED	
NO.	

APPROVED DEPARTMENT OF PUBLIC WORKS
ASAD R. RAHMAN 5-9-86
 CHIEF, BUREAU OF ENGINEERING

APPROVED OFFICE OF PLANNING AND ZONING
John W. Murchman 5-28-86
 CHIEF, OFFICE OF PLANNING AND ZONING ADMINISTRATION



PLAN
 SCALE: 1"=50'

STATE OF MARYLAND
 PROFESSIONAL ENGINEER
 NO. 10300
 REGISTERED
 CHARLES J. CROVO, SR.
 DATE

AS-BUILT SURVEY CERTIFIED BY
 CHARLES J. CROVO, SR. MD. PE.
 NO. 13204, ON 6-14-88.

ENCHANTED FOREST ESTATES
 SECTION ONE, AREA ONE
 2ND. ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

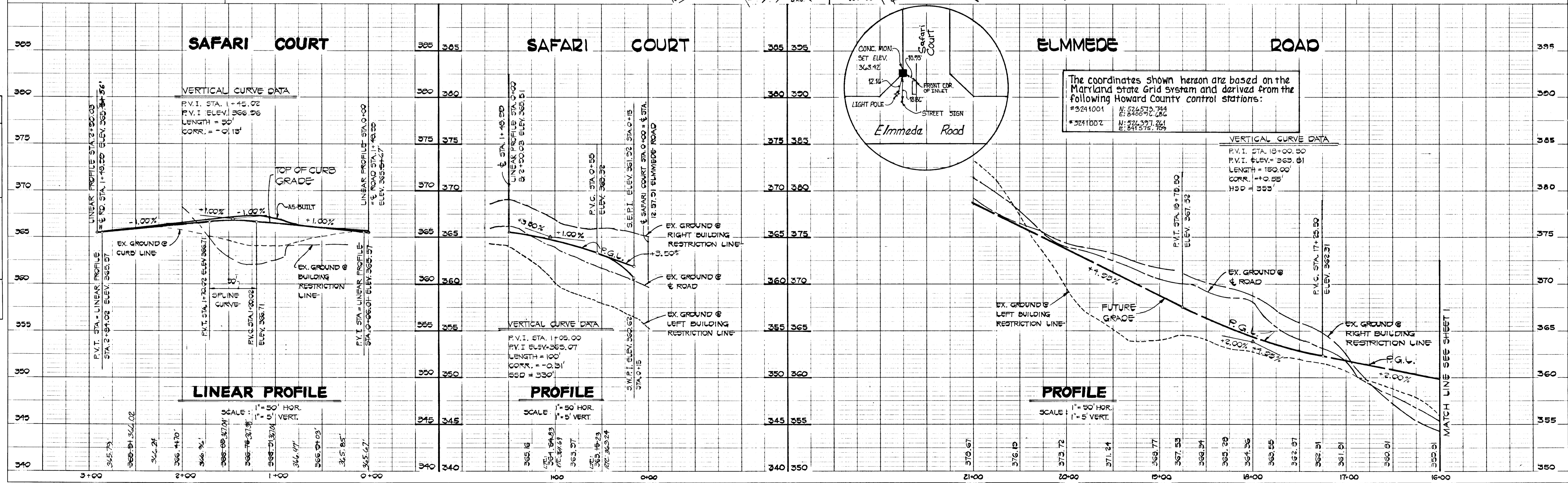
ELMEDDE ROAD AND
 SAFARI COURT
 PLAN AND PROFILE

OWNER AND DEVELOPER
 GREENWIN I JOHN VENTURE
 60 GORDON GREENSHIRE
 SUITE 270 COMMERCENTRE EAST
 1777 REISTERSTOWN ROAD
 BALTIMORE, MD. 21208

SCALE AS SHOWN DATE FEB 10, 1986 DWG. NO. 2 OF 6
 DES. R. SHUMAKER DRN. J. O'DONNELL CHK. C. CROVO

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

DATE	
BY	
DESIGNED	
PLOTTED	
GRADES CHECKED	
B.M. NOTED	
STRUCTURE NOTATIONS CHECKED	
NO.	



#205

PLAN	REVISIONS	DATE
NO.	NO.	
NOTE BOOK	ALIGNED CHECKED	
	PLOTTED	
	BY	
	DATE	

APPROVED DEPARTMENT OF PUBLIC WORKS
 CHIEF, BUREAU OF ENGINEERING
 DATE 5-1-88

APPROVED OFFICE OF PLANNING AND ZONING
 CHIEF, DIVISION OF PLANNING AND ZONING ADMINISTRATION
 DATE 5-7-88

AS-BUILT SURVEY CERTIFIED BY
 CHARLES J. CROVO, SR. Md. P.E.
 NO. B204, ON 6-14-88.

ENCHANTED FOREST ESTATES
 SECTION ONE AREA ONE
 2ND ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

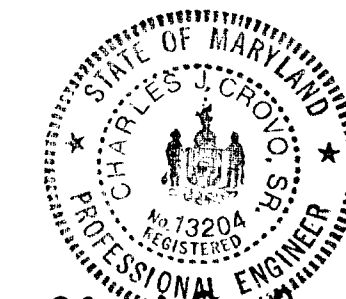
ROBIN HOOD COURT
 AND GINGER BREAD
 COURT PROFILES

OWNER AND DEVELOPER
 GREE NW IN A JOINT VENTURE
 670 GORDON GREENSPAN
 SUITE 275 COMMERCE CENTRE EAST
 1777 REISTERSTOWN ROAD
 BALTIMORE, MD. 21208

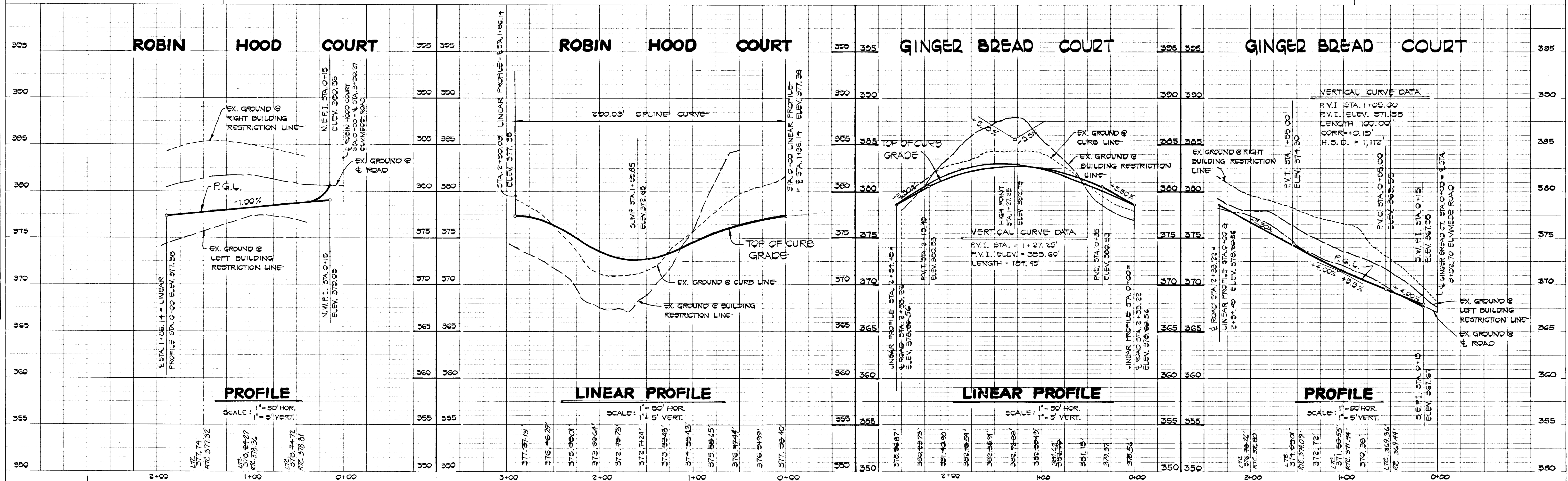
SCALE AS SHOWN DATE FEB 10, 1986 DWG. NO. 3 OF 6
 DES. R. SHUMAKER DRN. J. O'DONNELL CHK. C. CROVO

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

The coordinates shown hereon are based on the Maryland State Grid System and derived from the following Howard County control stations:
 # 3241001 N: 526573.744
 E: 840692.286
 # 3241002 N: 524297.261
 E: 841573.189



CHARLES J. CROVO, SR. DATE



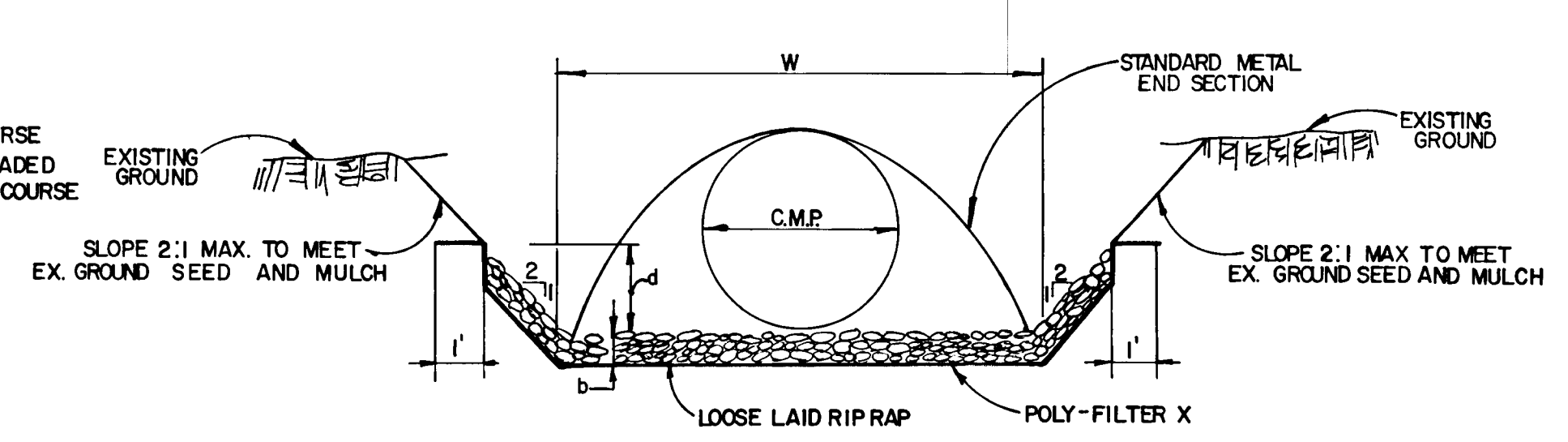
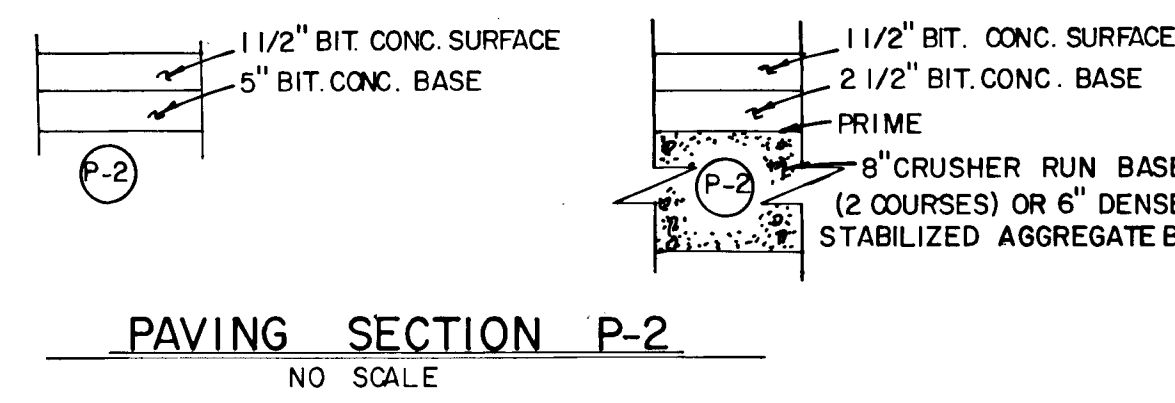
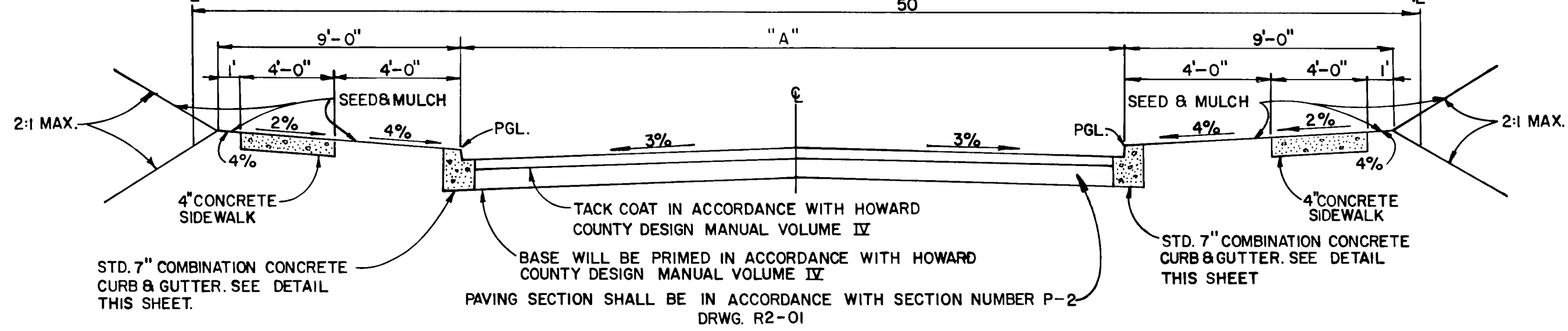
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DATE
BY
SURVEYED
PLOTTED
CHECKED
NOTE BOOK NO.

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

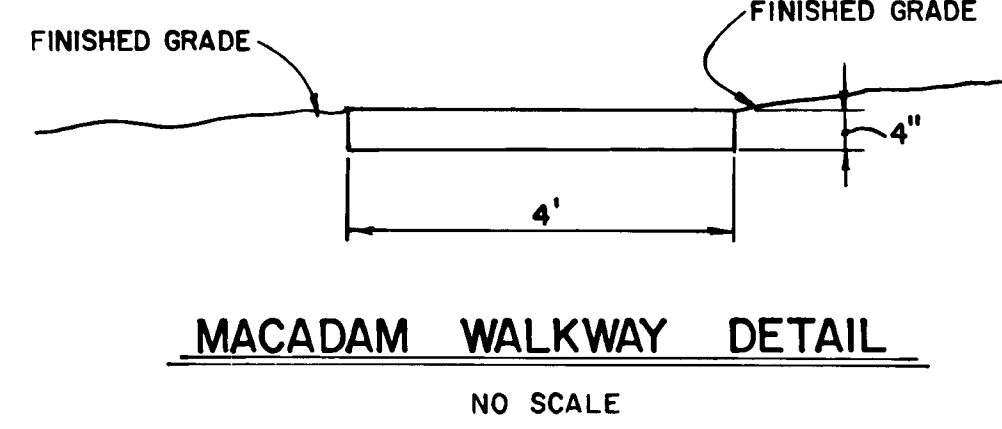
TYPICAL ROADWAY SECTION

ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL VOLUME IX, STANDARD SPECIFICATION AND DETAILS FOR CONSTRUCTION.



RIP RAP CHANNEL DESIGN DATA

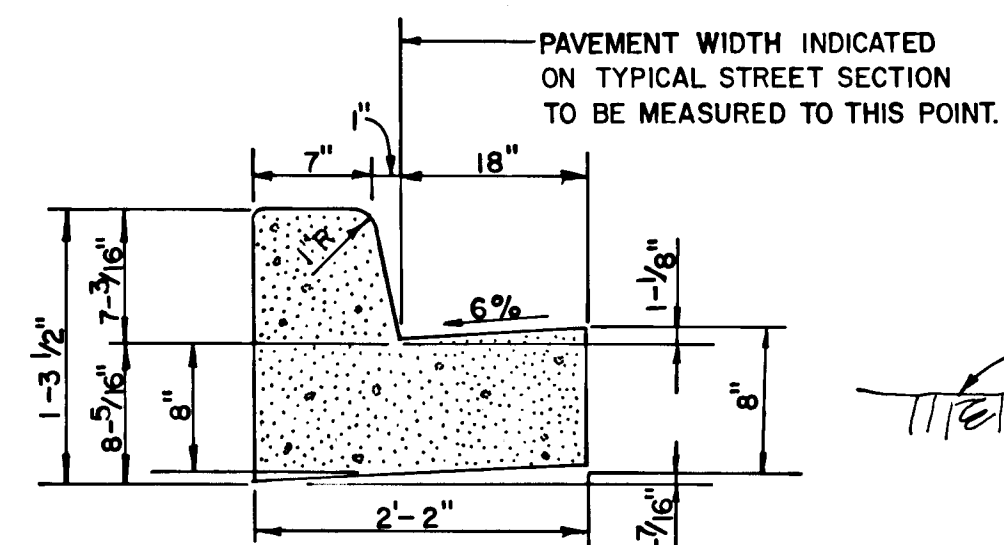
STRUCTURE	A'	P	R	R/2/3	S	S1/2	n	Q	V	d	W	RIP RAP SIZE	b
												d50	d MAX.
S-1	1.75	5.65	3101	4564	1.00%	.10	.04	237 cfs	1.70 f.p.s.	37'	4'	6"	9"
S-2	11.77	3.42	8770	9159	1.00%	.10	.04	400 cfs	3.40 f.p.s.	10'	8.5'	6"	9"
S-4	3.87	7.78	4974	6278	1.00%	.10	.04	302 cfs	2.33 f.p.s.	6.62'	5'	6"	9"



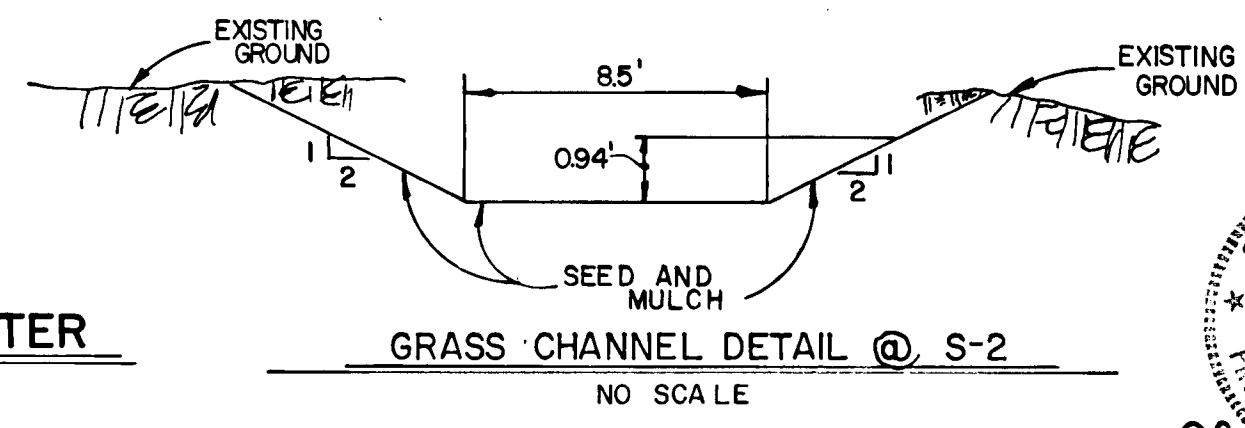
MACADAM WALKWAY DETAIL

ROAD NAME	CLASSIFICATION	DESIGN SPEED	ZONING	Q STA. LIMITS	"A"
ELMMEDE ROAD	LOCAL	30 M.P.H.	R-20	1+80 TO 13+22	30'
ROBIN HOOD COURT	CUL DE SAC	30 M.P.H.	R-20	0+00 TO 1+86.14	28'
GINGER BREAD COURT	CUL DE SAC	30 M.P.H.	R-20	0+00 TO 2+33.22	28'
SAFARI COURT	CUL DE SAC	30 M.P.H.	R-20	0+00 TO 1+48.99	28'

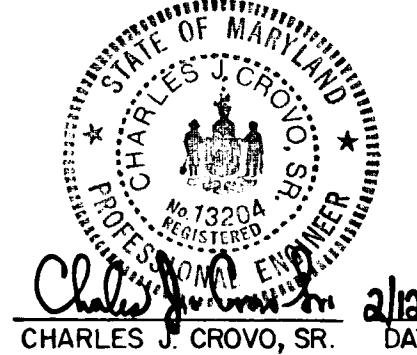
NO.	TYPE	INV. IN	INV. OUT	E TOP ELEV.	Q ROAD STATION	REMARKS
I-1	A-5 w/ deflectors	358.95	358.70	362.98	ROAD STA. 0+43 SAFARI COURT	DWGS. S.D. 4.01 & S.D. 4.83
I-2	A-5 w/ deflectors	359.24	359.24	362.96	ROAD STA. 0+43 SAFARI COURT	DWGS. S.D. 4.01 & S.D. 4.83
I-3	A-5	359.33	359.88	366.28	ROAD STA. 7+24.73 ELMMEDE RD.	DWG. S.D. 4.01
I-4	A-10	361.89	366.25	366.24	ROAD STA. 7+24.73 ELMMEDE RD.	DWG. S.D. 4.02
I-5	D'INLET	365.56	368.34	370.81	---	INLET WILL HAVE OPENINGS ON ALL 4 SIDES DWG. S.D. 4.11
I-6	A-5 w/ deflectors	365.75	364.78	369.32	ROAD STA. 0+45.50 GINGER BREAD CT.	DWGS. S.D. 4.01 & S.D. 4.83
I-7	A-10 w/ deflectors	---	365.32	369.32	ROAD STA. 0+45.50 GINGER BREAD CT.	DWG. S.D. 4.02 & S.D. 4.83
I-8	A-5	367.26	370.05	372.68	LINEAR PROFILE STA. 1+59.85 ROBIN HOOD COURT	DWG. S.D. 4.01
I-9	D'INLET	---	370.18	374.38	---	INLET WILL HAVE OPENINGS ON ALL 4 SIDES DWG. S.D. 4.11
M-1	STANDARD MH	365.80	365.13	364.25	---	DWG. S.D. 5.01
M-2	SHALLOW MH	365.80	368.09	374.38	LINEAR PROFILE STA. 1+08.18 ROBIN HOOD COURT	DWG. S.D. 5.05
S-1	STD. METAL END SECTION	---	359.70	358.96	---	DWG. S.D. 5.61
S-2	STD. METAL END SECTION	---	356.26	359.25	---	DWG. S.D. 5.61
S-3	STD. METAL END SECTION	---	374.29	374.54	---	DWG. S.D. 5.61
S-4	STD. METAL END SECTION	---	364.38	365.86	---	DWG. S.D. 5.61



STANDARD 7" COMB. CONC. CURB & GUTTER



GRASS CHANNEL DETAIL @ S-2



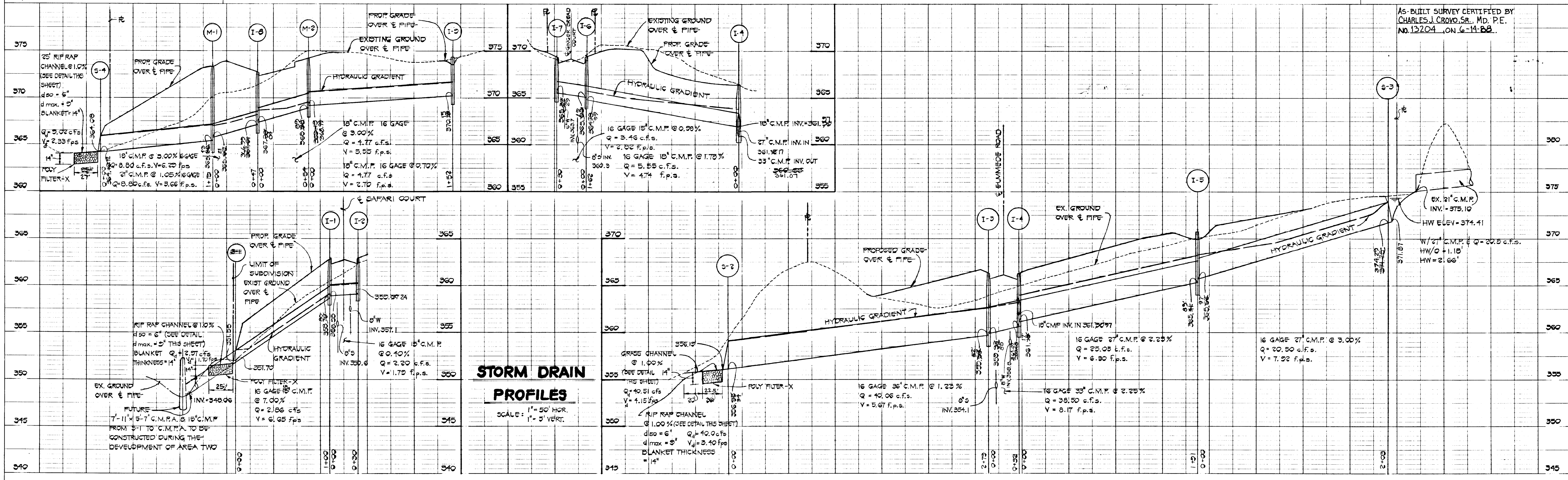
ENCHANTED FOREST ESTATES
SECTION ONE AREA ONE
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

ROAD SECTIONS, DETAILS AND STORM DRAINAGE PROFILES

OWNER AND DEVELOPER
GREENWIN I JOINT VENTURE
724 GORDON GREENWAIN
SUITE 275 COMMERCIAL CENTRE EAST
177 REISTERSTOWN ROAD
BALTIMORE, MD 21208

SCALE AS SHOWN DATE FEB 10, 1986 DWG. NO. 4 OF 6
DES. R. SHUMAKER DRN J. O'DONNELL CHK. C. CROVO

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



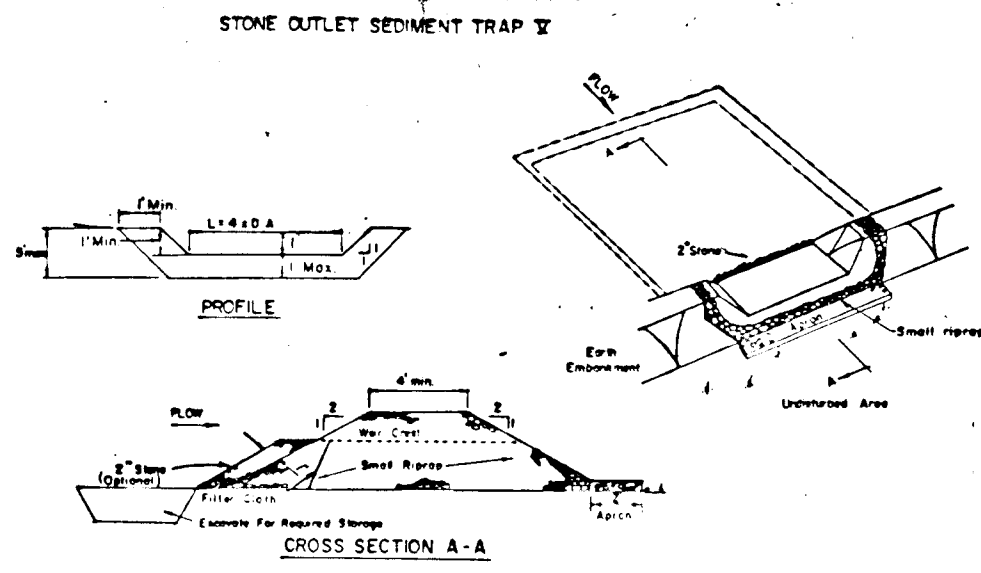
STORM DRAIN PROFILES

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

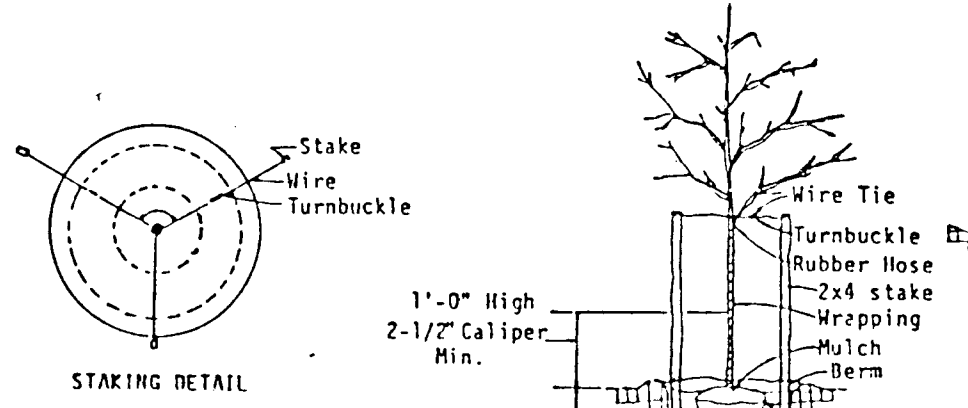
AS-BUILT SURVEY CERTIFIED BY CHARLES J. CROVO, SR., MD. P.E. NO. 12204, ON 6-14-88.

#1205

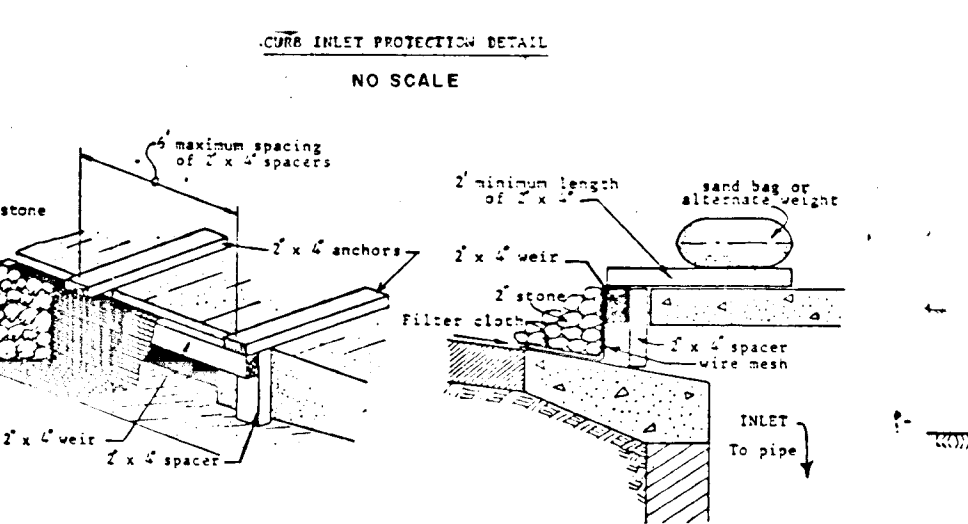
The coordinates shown hereon are based on the Maryland State Grid System and derived from the following Howard County control stations:
 #3241001 N: 526,573.744 E: 848,096.484
 #3241002 N: 526,597.264 E: 848,075.709



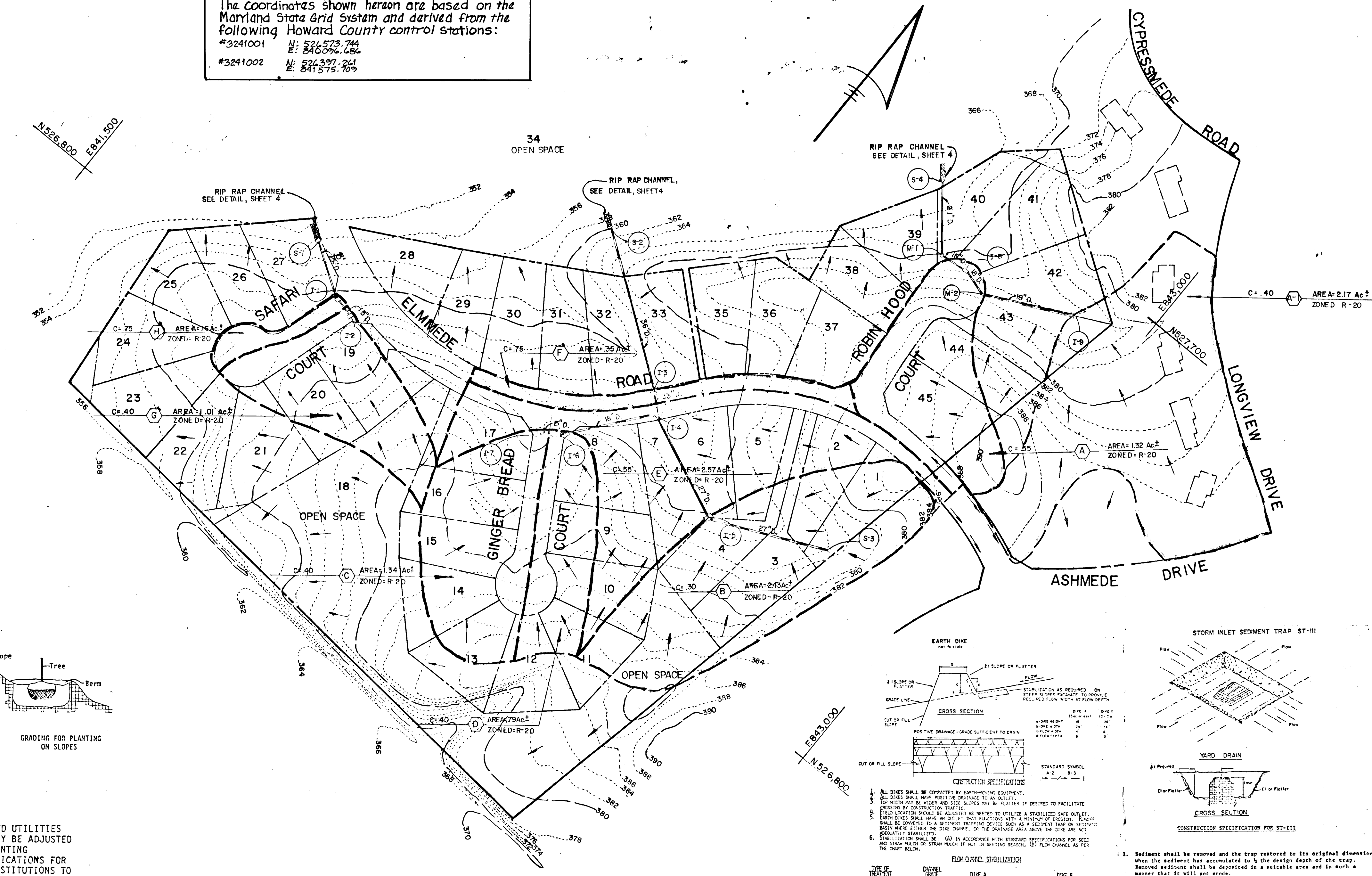
- OPTION:** A one foot layer of 2" stone may be placed on the upstream side of the riprap in place of the sediment filter cloth.
- CONSTRUCTION SPECIFICATIONS FOR ST-W**
- Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
 - The fill material for the embankment shall be free of roots and other woody vegetation as well as over-sized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by treading with equipment while it is being constructed.
 - All cut and fill slopes shall be 2:1 or flatter.
 - The stone used in the outlet shall be small riprap 4"-8" along with a 1" thickness of 2" aggregate placed on the up-grade side on the small riprap to embedded filter cloth in the riprap.
 - Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to the design depth of the trap.
 - The structure shall be inspected after each rain and repairs made as needed.
 - Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
 - The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.



NOTE: CONTRACTOR SHALL VERIFY LOCATION OF UNDERGROUND UTILITIES PRIOR TO DIGGING. FINAL LOCATIONS OF TREES MAY BE ADJUSTED SLIGHTLY TO ACCOMMODATE FIELD CONDITIONS. PLANTING PROCEDURES SHALL COMPLY WITH LANDSCAPE SPECIFICATIONS FOR BALTIMORE-WASHINGTON METROPOLITAN AREAS. SUBSTITUTION TO THE ABOVE SPECIES MAY BE PERMITTED PROVIDED THAT THE PLANTING IS IN ACCORDANCE WITH THE STREET TREE AND LANDSCAPE REQUIREMENTS AS SPECIFIED IN SECTION 16.131 OF THE HOWARD COUNTY SUBDIVISION REGULATIONS.

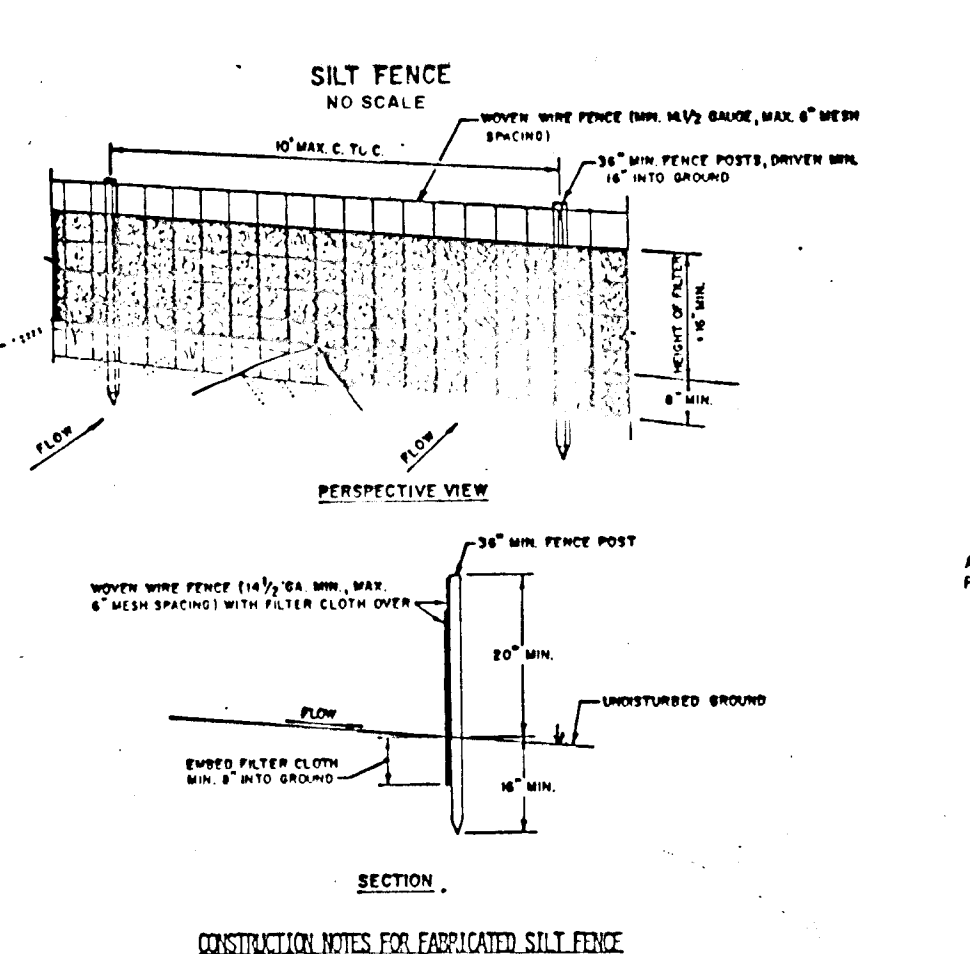


- CONSTRUCTION SPECIFICATIONS**
- Stone Size - Use 2" stone, or reclaimed or recycled concrete equivalent.
 - Length - As required, but not less than 50 feet (except on a single residential lot where a 30 foot minimum length would apply).
 - Thickness - Not less than six (6) inches.
 - Width - Ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs.
 - 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.
 - 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 8:1 slope will be permitted.
 - 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 cleanout of any measures used to trap sediment. All sediments applied, dropped, or tracked onto public rights-of-way must be removed immediately.
 - 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.
 - Periodic inspection and needed maintenance shall be provided after each rain.

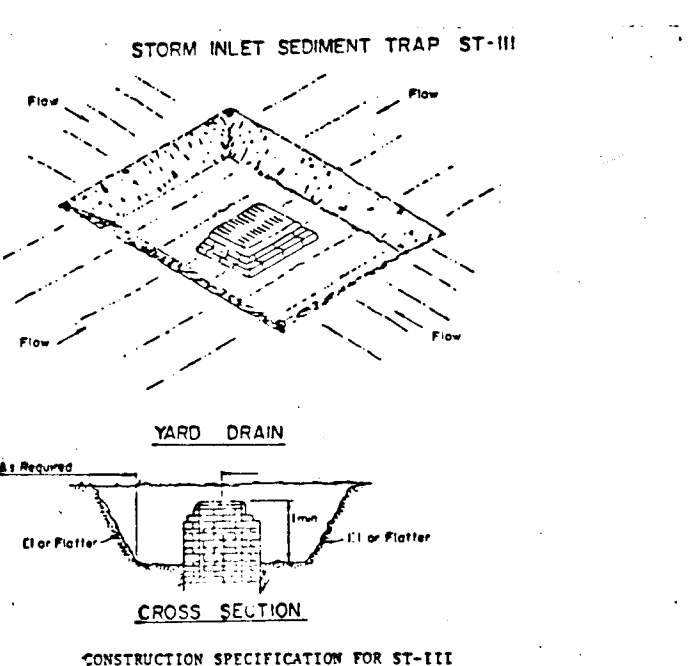


DRAINAGE AREA MAP
 SCALE: 1"=100'

PERMANENT SEEDING NOTES:
 APPLY TO GRADED OR CLEARED AREA 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:
 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. 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.).
 2) ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ. FT.) AND 1000 LBS PER ACRE 10-10-10 FERTILIZER (22 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 50 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 278 GALLONS PER ACRE (6 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 SEEDING 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 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 25 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 278 GAL PER ACRE (6 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.



- CONSTRUCTION NOTES FOR FABRICATED SILT FENCE:**
- MOUND WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR CHAINES.
 - FILTER CLOTH TO BE FASTENED SECURELY TO MOUND WIRE FENCE WITH 1/2" GAL. 6" MAX. FLASH DRIPPING.
 - WIRE TIES AND SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
 - PAINTMENT SHALL BE PERFORMED AS NEEDED TO PREVENT RUSTING WHEN MOISTURE DEVELOPS ON THE SILT FENCE.



- CONSTRUCTION SPECIFICATIONS FOR ST-II:**
- Sediment shall be removed and the trap restored to its original dimensions when the sediment has accumulated to the design depth of the trap. Runoff sediment shall be deposited in a suitable area and in such a manner that it will not erode.
 - The volume of sediment storage shall be 1800 cubic feet per acre of contributing drainage.
 - The structure shall be inspected after each rain and repairs made as needed.
 - Construction operations shall be carried out in such a manner that erosion and water pollution shall be minimized.
 - The sediment trap shall be removed and the area stabilized when the contributing drainage area has been properly stabilized.
 - All cut slopes shall be 2:1 or flatter.

SEDIMENT CONTROL NOTES:

- A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (892-2437).
- 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, DICES, 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 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 PERMITS FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:
 TOTAL AREA OF SITE: 23.8 ACRES
 AREA DISTURBED: 6.01 ACRES
 AREA TO BE ROOFED OR PAVED: 1.72 ACRES
 AREA TO BE VEGETATIVELY STABILIZED: 4.9 ACRES
 TOTAL CUT: 0.0 CU. YDS.
 TOTAL FILL: 0.0 CU. YDS.
- 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 DPM SEDIMENT CONTROL INSPECTOR.

ENGINEER'S CERTIFICATE
 I 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 COUNTY SOIL CONSERVATION DISTRICT.
 Charles J. Crovo, Sr. 5/4/86
 STATE REGISTERED PROFESSIONAL ENGINEER

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 COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.
 Stephen A. Fulmer 5/2/86
 SIGNATURE OF DEVELOPER DATE

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
 U.S. SOIL CONSERVATION SERVICE 5-6-86 DATE
 THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
 APPROVED: Stephen A. Fulmer 5/6/86
 DISTRICT ENGINEER
 HOWARD COUNTY SOIL CONSERVATION DISTRICT
 APPROVED: DEPARTMENT OF PUBLIC WORKS.

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 APPROVED: OFFICE OF PLANNING AND ZONING
 APPROVED: 5-7-86 DATE
 AND ZONING ADMINISTRATION

AS-BUILT SURVEY CERTIFIED BY CHARLES J. CROVO, SR. MD. P.E. NO. 12024 ON 6-14-88.
 OWNER & DEVELOPER
 GREENWIND JOINT VENTURE
 275 COMMERCIAL CENTER EAST
 SUITE 275 COMMERCIAL CENTER EAST
 1777 REISTERSTOWN ROAD
 BALTIMORE MD. 21208

DRAINAGE AREA MAP AND SEDIMENT CONTROL DETAILS
 SECTION I AREA I
 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1"=50' FEBRUARY 10, 1986
 SHEET 5 OF 6

#1205

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

John W. M... 5-7-86 DATE

Chief, Bureau of Engineering 5-1-86 DATE

Stephan L. ... 5/6/86 DATE

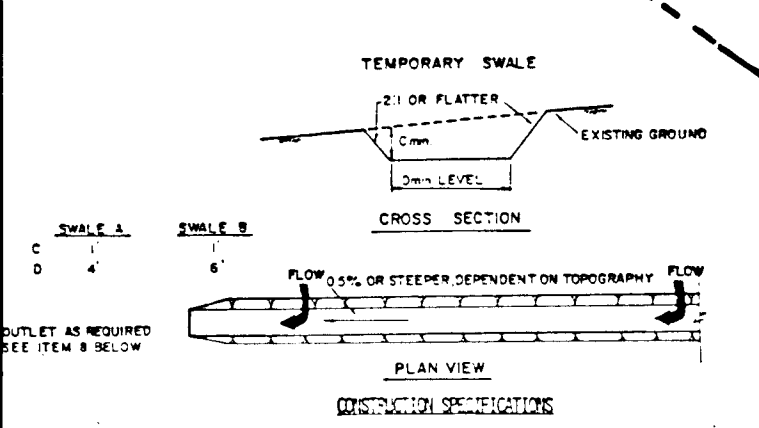
5-6-86 DATE

STONE OUTLET SEDIMENT TRAP DATA FOR TRAP #1

STONE OUTLET SEDIMENT TRAP DATA FOR TRAP #2

STONE INLET SEDIMENT TRAP DATA

- CONSTRUCTION SEQUENCE: 1. OBTAIN GRADING PERMIT. 2. CONSTRUCT STONE CONSTRUCTION ENTRANCE...



- 1. ALL TEMPORARY SHALES SHALL HAVE UNDISTURBED POSITIVE GRADE TO AN OUTLET.

The coordinates shown hereon are based on the Maryland State Grid System and derived from the following Howard County control stations:

FISHER, COLLINS AND CARTER, INC. CONSULTING ENGINEERS AND LAND SURVEYORS



OWNER & DEVELOPER GREENWIN #1 JOINT VENTURE

STREET TREE, GRADING AND SEDIMENT CONTROL PLAN ENCHANTED FOREST ESTATES

SCALE: 1" = 50' SHEET 6 OF 6 FEB. 10, 1986