

# THE WARFIELDS

## SECTION ONE

### FIFTH ELECTION DISTRICT

### HOWARD COUNTY, MARYLAND

APPROVED: DEPARTMENT OF PLANNING AND ZONING  
*Frank S. Taylor* 12/1/89  
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

APPROVED: DEPARTMENT OF PUBLIC WORKS  
*William E. Pugh* 11-16-89  
 CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: DEPARTMENT OF PUBLIC WORKS  
*William W. Weiland* 11/2/89  
 CHIEF, BUREAU OF HIGHWAYS DATE

APPROVED: DEPARTMENT OF PUBLIC WORKS  
*Frank B. Leggett* 11/16/89  
 CHIEF, LAND DEVELOPMENT DIVISION DATE

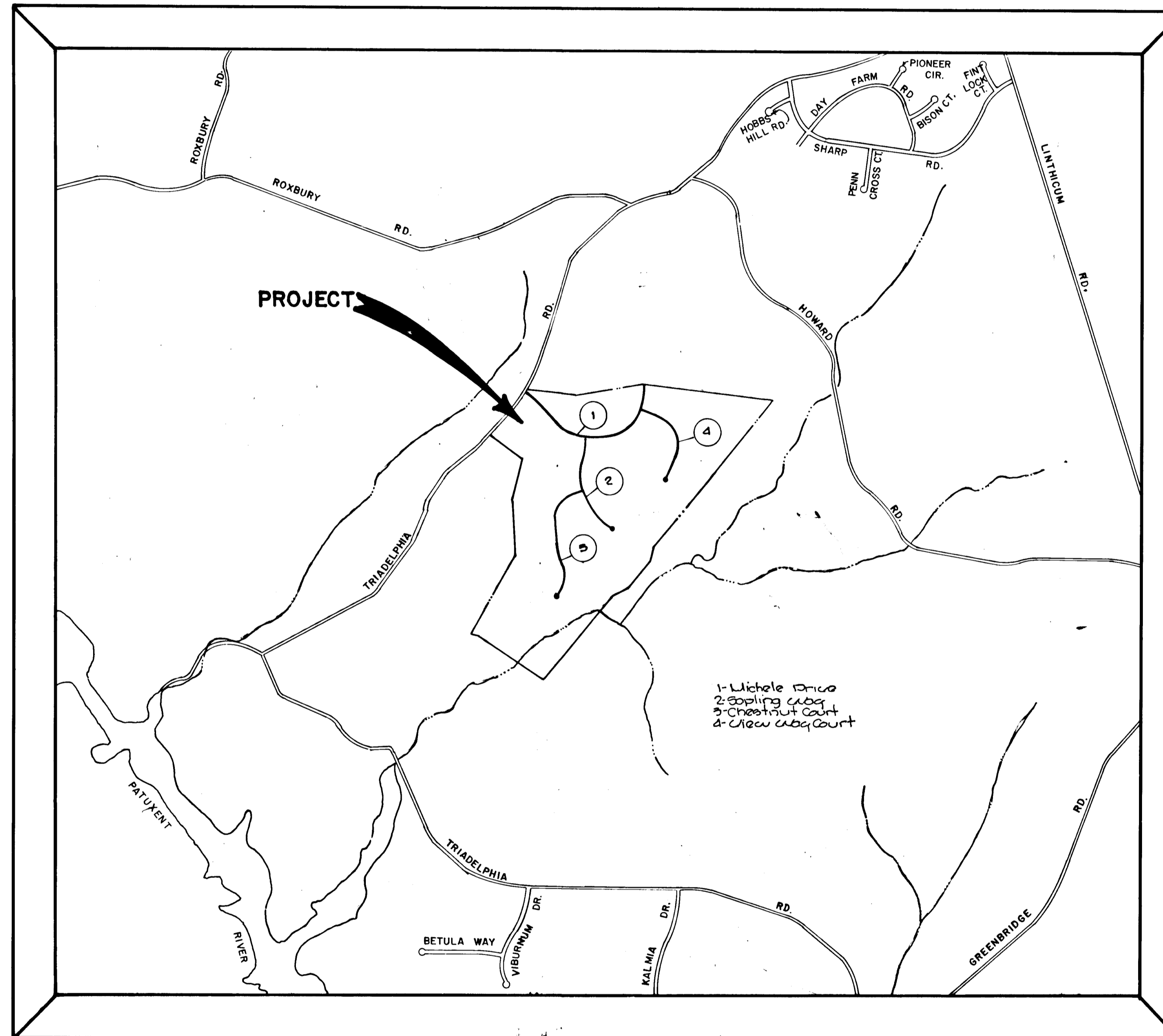
**GENERAL NOTES**

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL, VOLUME IV STANDARDS, SPECIFICATIONS AND DETAILS FOR CONSTRUCTION, 1989 AMENDMENTS.
2. ALL UTILITY COMPANIES MUST BE NOTIFIED 24 HRS IN ADVANCE OF ANY CONSTRUCTION.
3. STORM DRAINAGE 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, PAVING, OR EXISTING UTILITIES WILL BE CORRECTED AT THE CONTRACTORS EXPENSE.
5. CONTRACTOR TO NOTIFY THE HOWARD COUNTY INSPECTION AND SURVEY DIVISION AT LEAST 3 DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS TELEPHONE 792-7272.
6. 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.
7. ALL TRAFFIC CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, CURRENT REVISED EDITION.

**Bench Marks**

B.M.#1 Elev. = 529.25  
 H.C. Control Point # 2999201-19 Located Approximately 40' North of the Proposed Intersection of Nichols Drive & Triadelphia Road. Located 45' Right of Edge of Paving For location see sheet 29.

B.M.#2 Elev. = 491.60  
 T.P. 102-381 Rebar set, located at the Rear of lot #11, Approximately 500' left of E. to 10125.20 View City Court. For location see sheet 29.



Vicinity Map  
 Scale: 1" = 1200'

**Index of Sheets**

- 1) Title Sheet
- 2) Nichols Drive - Plan & Profile
- 3) Sipping Way - Plan & Profile
- 4) Chestnut Court - Plan & Profile
- 5) Storm Drain Profile
- 6) View City Court - Plan & Profile
- 7) Typical Roadway Section, Storm Drain Profiles, Details.
- 8) Drainage Area Maps
- 9) Storm Drain Profiles
- 10) Grading & Sediment Control Plan
- 11) Grading & Sediment Control Plan
- 12) Grading & Sediment Control Plan

THE HORIZONTAL AND VERTICAL CONTROL IS BASED ON THE FOLLOWING HOWARD COUNTY CONTROL STATIONS:

2933001-R	N 519219.051
	E 793727.924
3033005	N 517179.570
	E 794371.270

AS-BUILT

FISHER, COLLINS AND CARTER, INC.  
 CONSULTING ENGINEERS AND LAND SURVEYORS  
 8388 COURT AVENUE  
 ELLICOTT CITY, MARYLAND 21043  
 TELEPHONE: (301) 461-2855

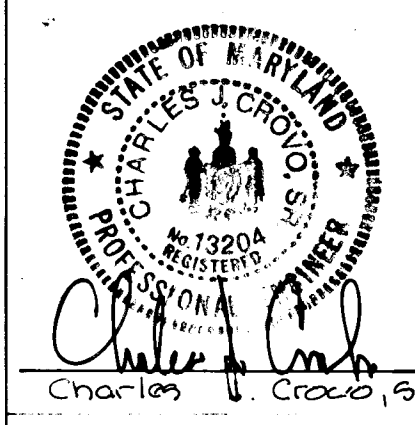
OWNER AND DEVELOPER  
 WARFIELD BROTHERS  
 14663 TRIADELPHIA ROAD  
 GLENELG, MARYLAND 21737



*Charles J. Crovo Sr.* 5/16/89  
 CHARLES J. CROVO SR. DATE

DATE	
BY	
NO.	
PLAN	
NO.	

DATE	
BY	
NO.	
PROFILE	
NO.	



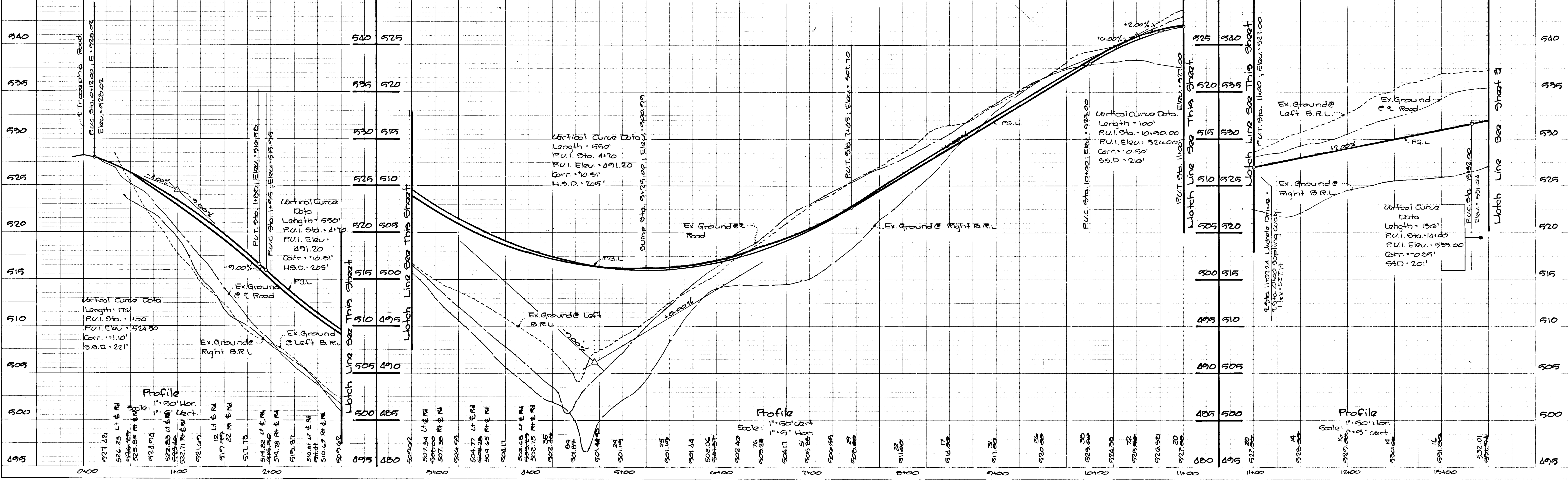
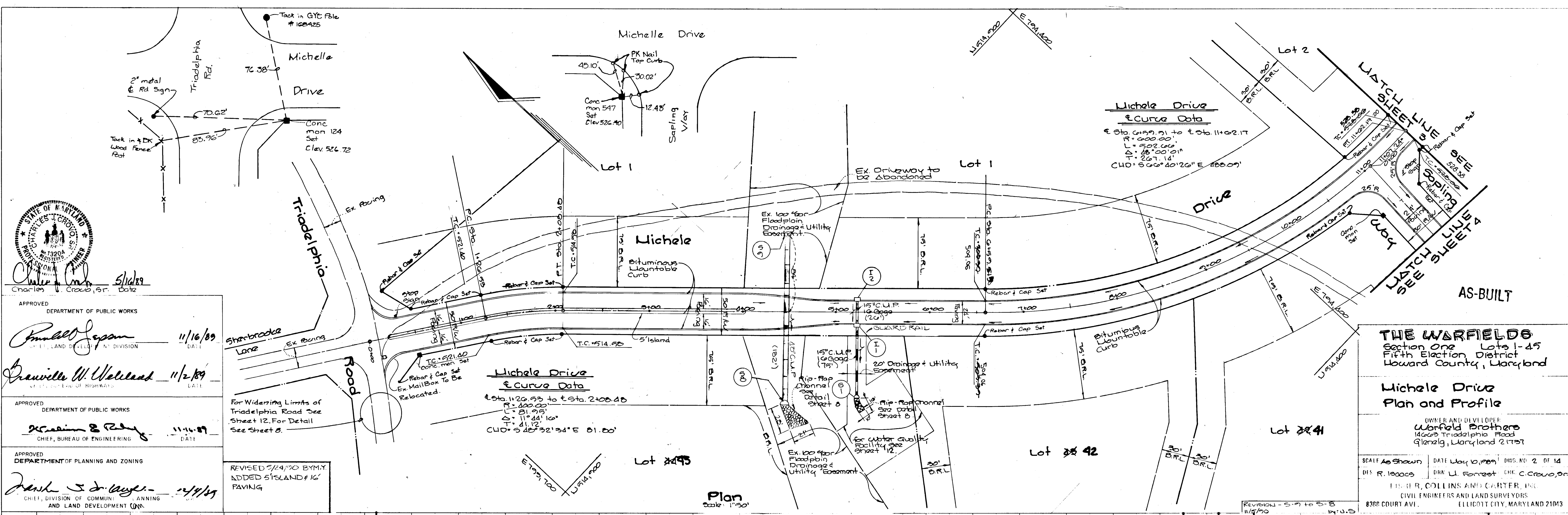
APPROVED  
DEPARTMENT OF PUBLIC WORKS  
*Charles Crowder* 11/16/89  
DATE

APPROVED  
DEPARTMENT OF PUBLIC WORKS  
*Draville W. Wallace* 11/2/89  
DATE

APPROVED  
DEPARTMENT OF PUBLIC WORKS  
*William E. Kelly* 11/14/89  
DATE

APPROVED  
DEPARTMENT OF PLANNING AND ZONING  
*Frank S. ...* 11/14/89  
DATE

REVISED 3/24/90 BY MY  
ADDED 5' ISLAND & 16'  
PAVING



**THE WARFIELDS**  
Section One Lots 1-45  
Fifth Election District  
Howard County, Maryland

**Michele Drive**  
Plan and Profile

OWNER AND DEVELOPER  
**Warfield Brothers**  
14623 Triadelphia Road  
Glenridge, Maryland 21757

SCALE As Shown DATE May 10, 1989 DWG. NO. 2 OF 14  
DIS. R. 100000 DRN. L. Forrest CHK. C. Crowder

FISHER, COLLINS AND CARTER, INC.  
CIVIL ENGINEERS AND LAND SURVEYORS  
8360 COURT AVE. ELICOTT CITY, MARYLAND 21043

1507

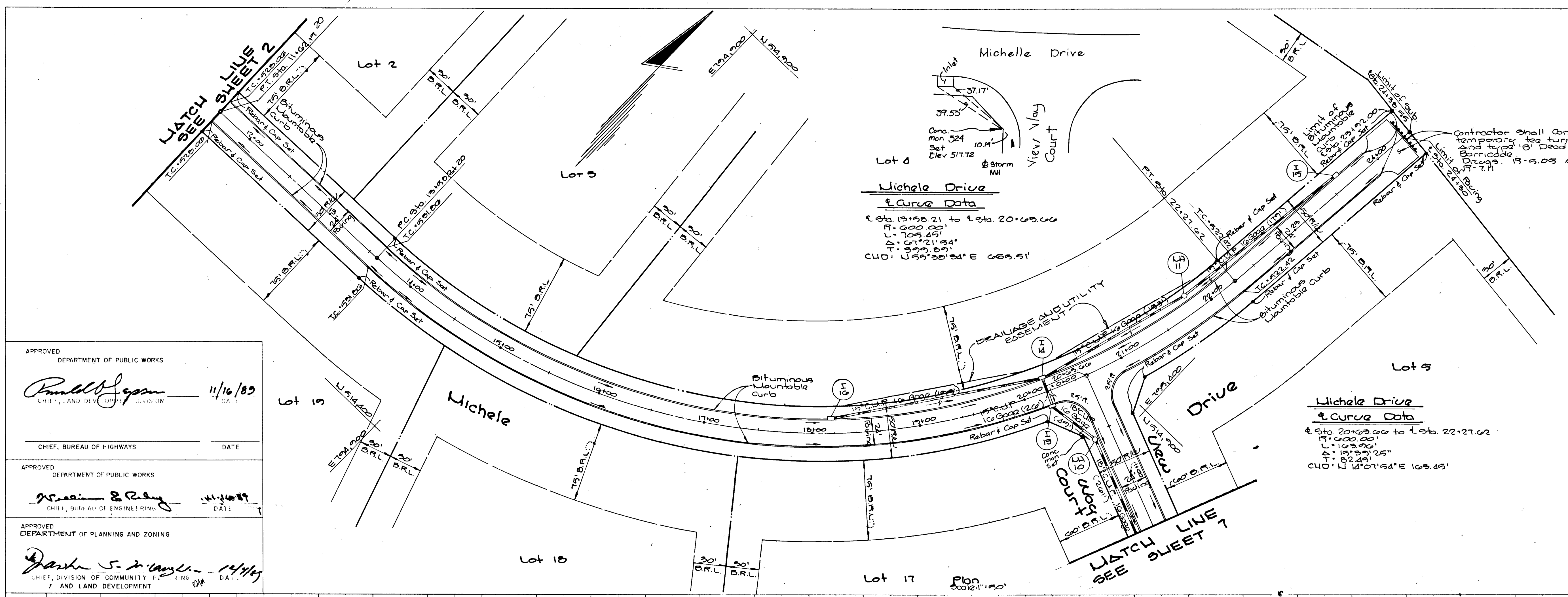
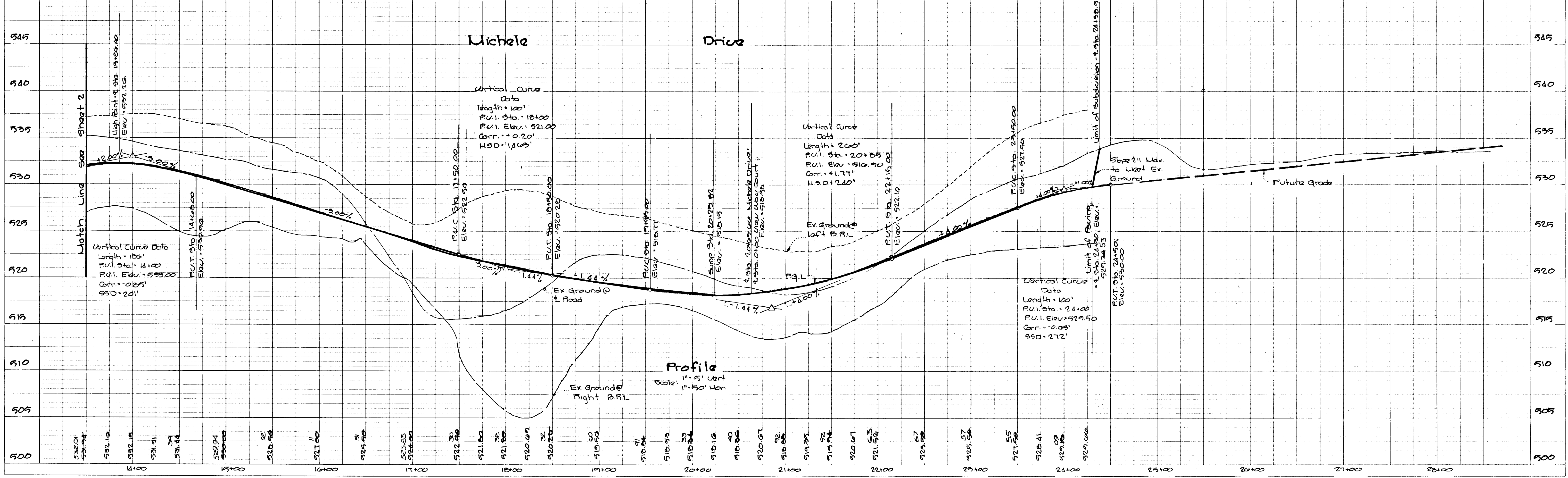
AS-BUILT

DATE	
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APPROVED  
DEPARTMENT OF PUBLIC WORKS  
*Donald J. Gannon* 11/16/89  
CHIEF, BUREAU OF HIGHWAYS

APPROVED  
DEPARTMENT OF PUBLIC WORKS  
*James R. Kelly* 11/16/89  
CHIEF, BUREAU OF ENGINEERING

APPROVED  
DEPARTMENT OF PLANNING AND ZONING  
*Dorothy S. Langley* 11/16/89  
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT



AS-BUILT

THE WARFIELDS  
Section One Lots 1-25  
Fifth Election District  
Howard County, Maryland

Michele Drive  
Plan and Profile

OWNER AND DEVELOPER  
Warfield Brothers  
14008 Tridaphnia Road  
Glenolg, Maryland 21757

SEAL AS SHOWN DATE: May 10, 1989 Dwg. No. 5 of 14  
DTS: F. Isaacs DRN: L. Forrest CHK: C. Crow, Sr.

FISHER, COLLINS AND CARTER, INC.  
CIVIL ENGINEERS AND LAND SURVEYORS  
8300 CORTAVE ELLICOTT CITY, MARYLAND 21143



*Charles J. Crow, Sr.* 5/12/89  
Charles J. Crow, Sr. Date

Michele Drive  
Plan and Profile

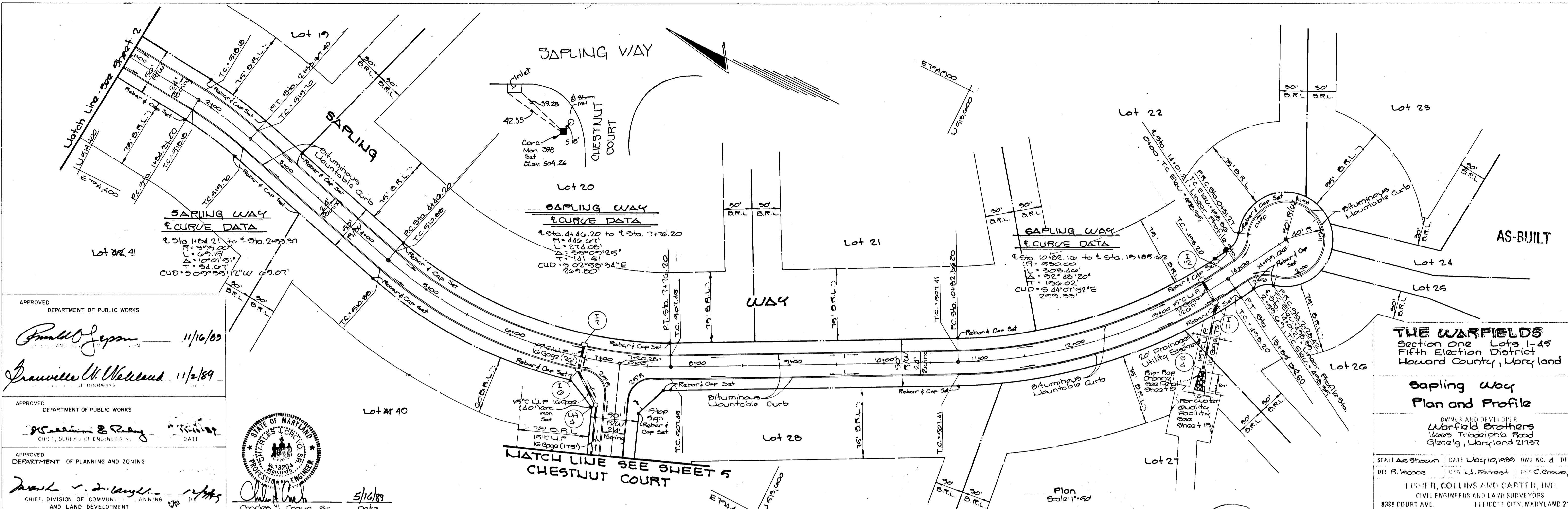
OWNER AND DEVELOPER  
Warfield Brothers  
14008 Tridaphnia Road  
Glenolg, Maryland 21757

SEAL AS SHOWN DATE: May 10, 1989 Dwg. No. 5 of 14  
DTS: F. Isaacs DRN: L. Forrest CHK: C. Crow, Sr.

FISHER, COLLINS AND CARTER, INC.  
CIVIL ENGINEERS AND LAND SURVEYORS  
8300 CORTAVE ELLICOTT CITY, MARYLAND 21143

DATE	
BY	
SURVEYED	
ALIGNED	
CHECKED	
RT. OF WAY CHECKED	
NOTE BOOK NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
CHECKED	
B.M. NOTED	
STRUCTURE NOTATIONS CHFD	
NOTE BOOK NO.	



APPROVED  
 DEPARTMENT OF PUBLIC WORKS  
*Frank J. Jeyan* 11/16/89

APPROVED  
 DEPARTMENT OF PUBLIC WORKS  
*Frank J. Jeyan* 11/2/89

APPROVED  
 DEPARTMENT OF PLANNING AND ZONING  
*Frank J. Jeyan* 5/16/89

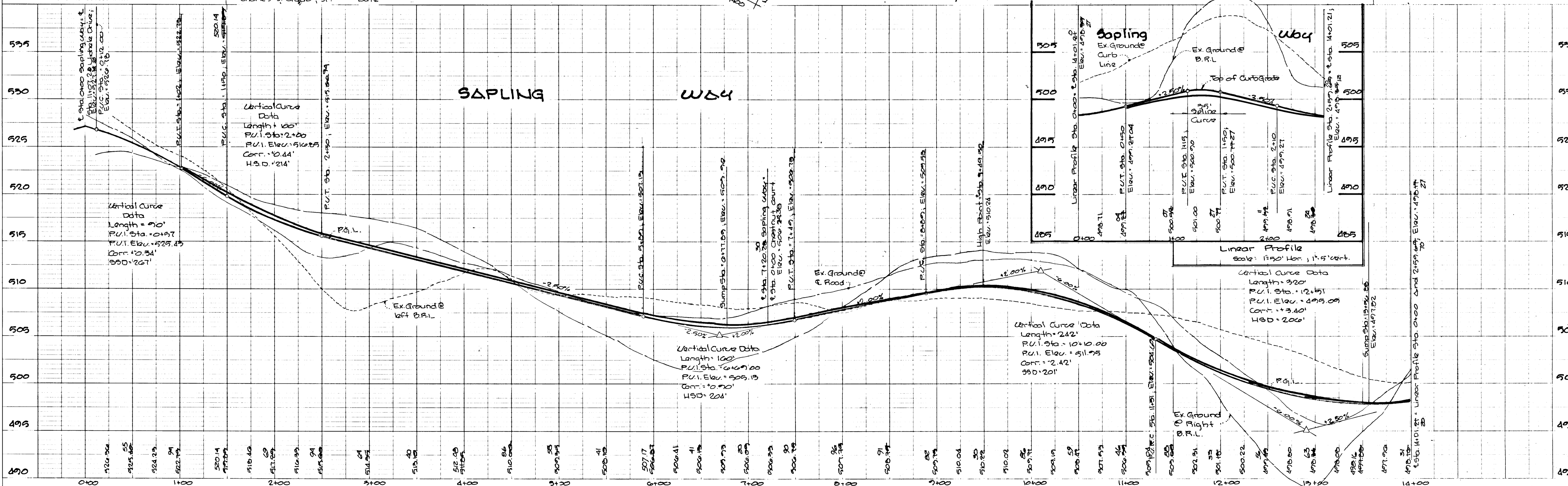
STATE OF MARYLAND  
 PROFESSIONAL ENGINEER  
 Charles C. Cray, Sr.  
 DATE

**THE WARFIELDS**  
 Section One, Lots 1-45  
 Fifth Election District  
 Howard County, Maryland

**Sapling Way**  
 Plan and Profile

OWNER AND DEVELOPER  
 Warfield Brothers  
 14005 Tridaphia Road  
 Glenelg, Maryland 21037

SCALE As Shown DATE Nov 10, 1989 DWG NO. 4 OF 14  
 DESIGNED BY: DEN. L. FOSTER, CIVIL ENGINEER  
 DRAWN BY: J. COLLINS AND C. CARTER, INC.  
 CIVIL ENGINEERS AND LAND SURVEYORS  
 8388 COURT AVE. ELICOTT CITY, MARYLAND 21043



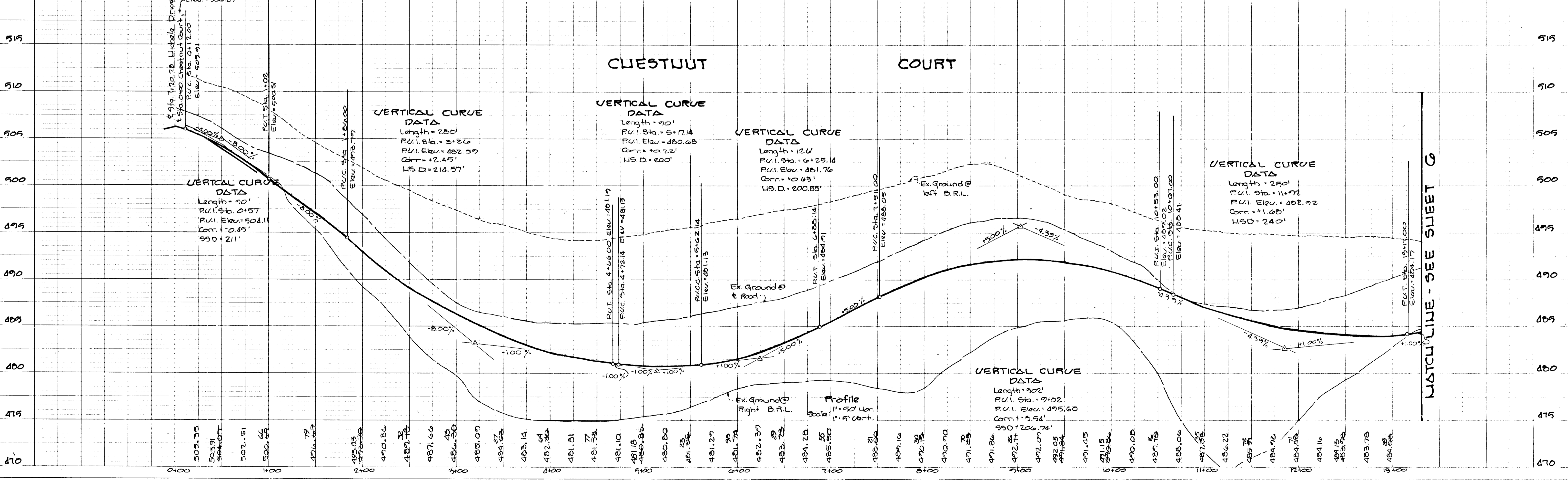
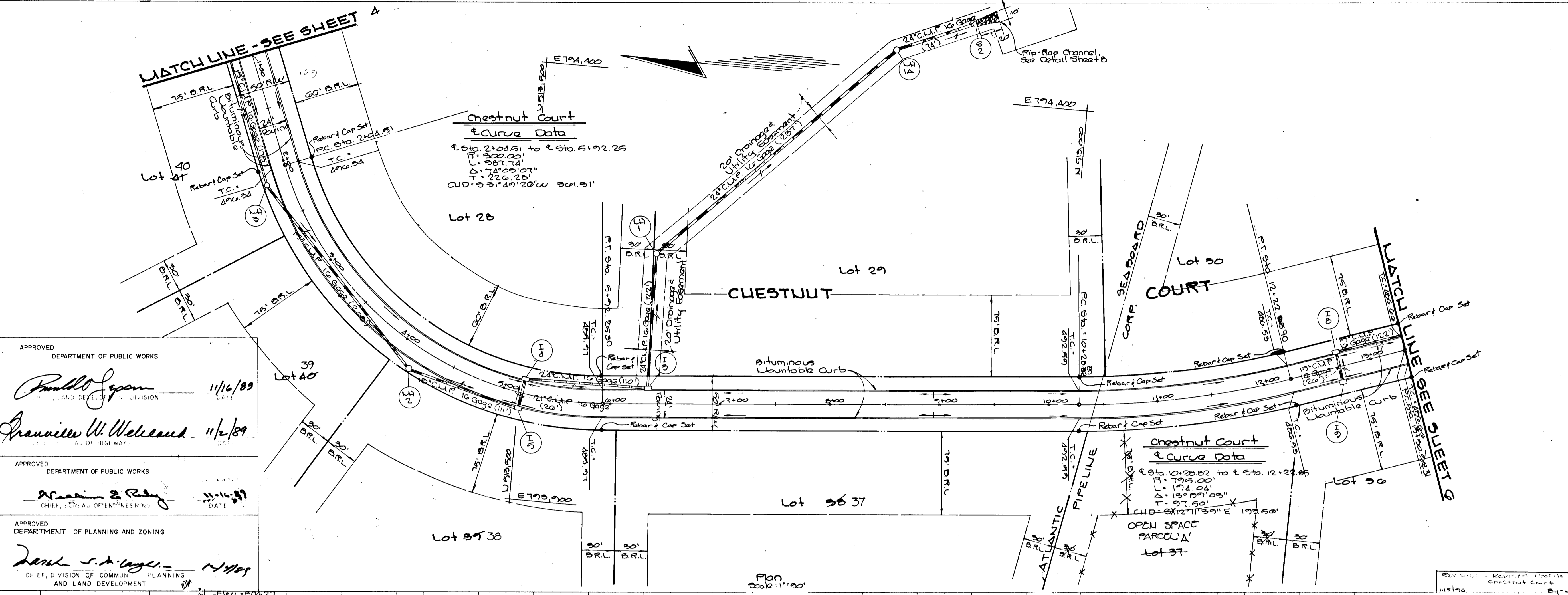
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DATE	
BY	
NO.	
PROFILE	
NO.	
DATE	
BY	
NO.	

APPROVED  
DEPARTMENT OF PUBLIC WORKS  
*Richard J. Ryan* 11/16/89  
LAND DEVELOPMENT DIVISION  
DATE

APPROVED  
DEPARTMENT OF PUBLIC WORKS  
*William W. Welstead* 11/16/89  
CHIEF, BUREAU OF HIGHWAYS  
DATE

APPROVED  
DEPARTMENT OF PLANNING AND ZONING  
*David S. Lange* 11/16/89  
CHIEF, DIVISION OF COMMUN. PLANNING AND LAND DEVELOPMENT  
DATE



AS-BUILT

5/16/79  
Date  
Charles J. Crow, Sr.

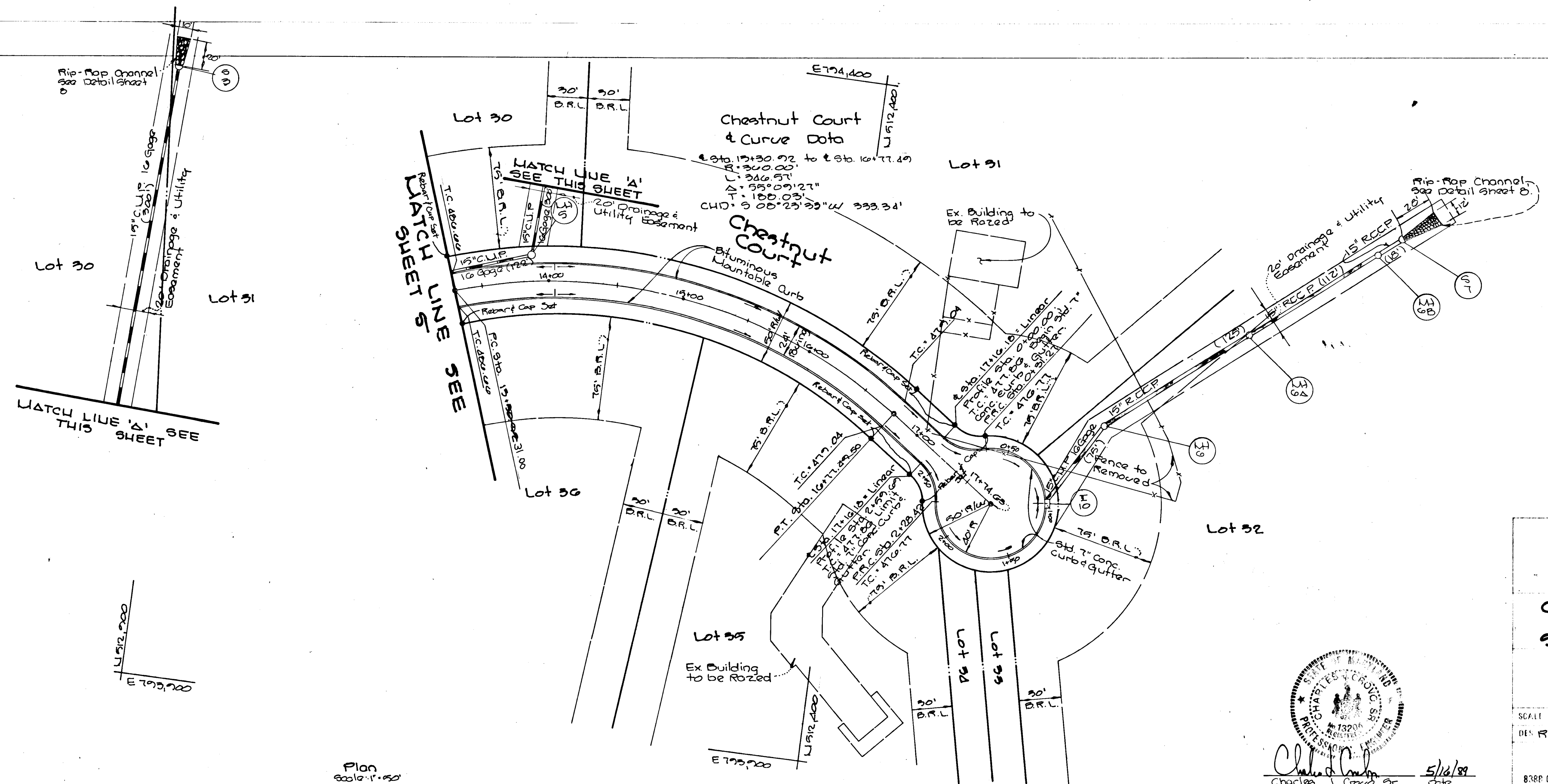
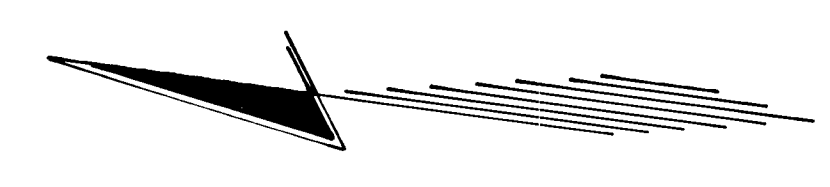
**THE WARFIELDS**  
 Section One Lots 1-45  
 Fifth Election District  
 Howard County, Maryland

**Chestnut Court**  
 Plan & Profile

OWNER AND DEVELOPER  
**WARFIELD BROTHERS**  
 14003 Tradelphic Road  
 Glenzig, Maryland 21737

SCALE AS SHOWN DATE May 12, 1979 DWG. NO. 5 OF 14  
 DES. R. L. FORREST  
 L. FISHER, COLLINS AND GARTER, INC.  
 CIVIL ENGINEERS AND LAND SURVEYORS  
 8388 COURT AVE. ELLECIOT CITY, MARYLAND 21043

1507



AS-BUILT

**THE WARFIELDS**  
 Section One Lots 1-45  
 Fifth Election District  
 Howard County, Maryland  
**Chestnut Court**  
 Plan & Profile,  
 Storm Drain Profile

WARFIELD BROTHERS  
 14003 Tridolphia Road  
 Glenzly, Maryland 21737

SCALE AS SHOWN DATE May 12, 1989 DWG NO. 6 OF 14  
 DEN. R. 100000 DAN L. FOREST, CH. C. COLLINS, ENR.  
 FISHER, COLLINS AND CARTER, INC.  
 CIVIL ENGINEERS AND LAND SURVEYORS  
 8388 COURT AVE. ELICOTT CITY, MARYLAND 21043



APPROVED  
 DEPARTMENT OF PUBLIC WORKS

*Donald E. Jenson* 11/16/89  
 SUPERVISOR OF HIGHWAYS

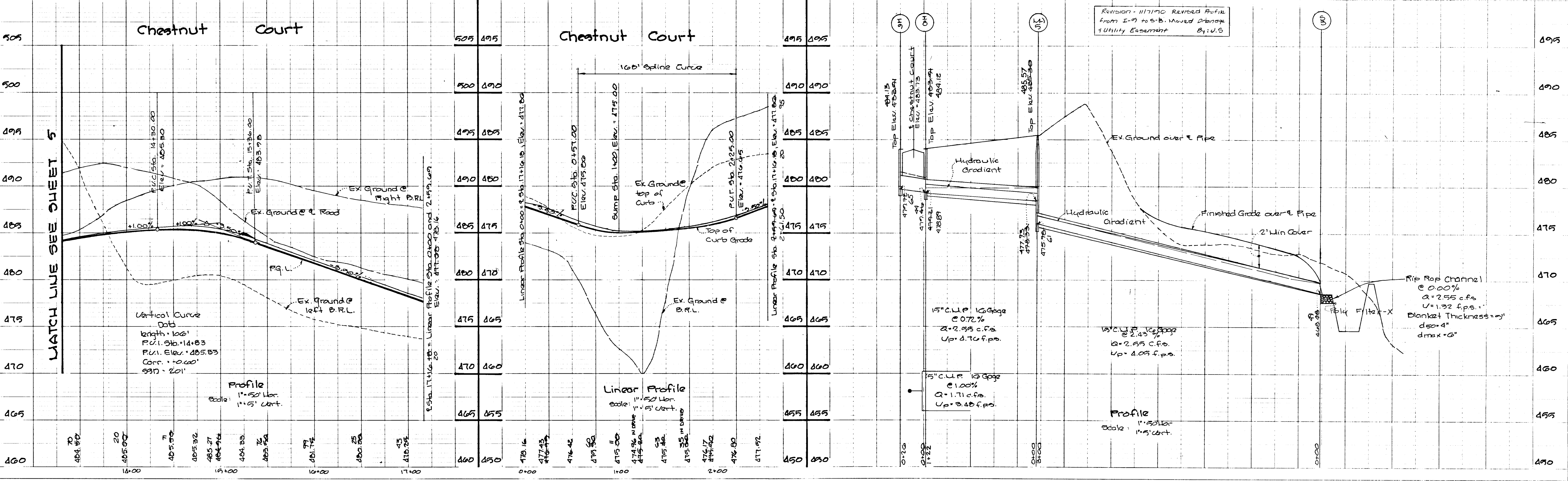
APPROVED  
 DEPARTMENT OF PUBLIC WORKS

*William W. McKeand* 11/2/89  
 CHIEF, BUREAU OF ENGINEERING

APPROVED  
 DEPARTMENT OF PLANNING AND ZONING

*Frank J. Knight* 12/4/89  
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

Plan  
 Scale: 1"=50'



REVISION: 11/7/90 REVISOR: Profile from I-7 to 5-B. Moved Drainage & Utility Easement By: U.S.

Profile  
 Scale: 1"=50' Vert.

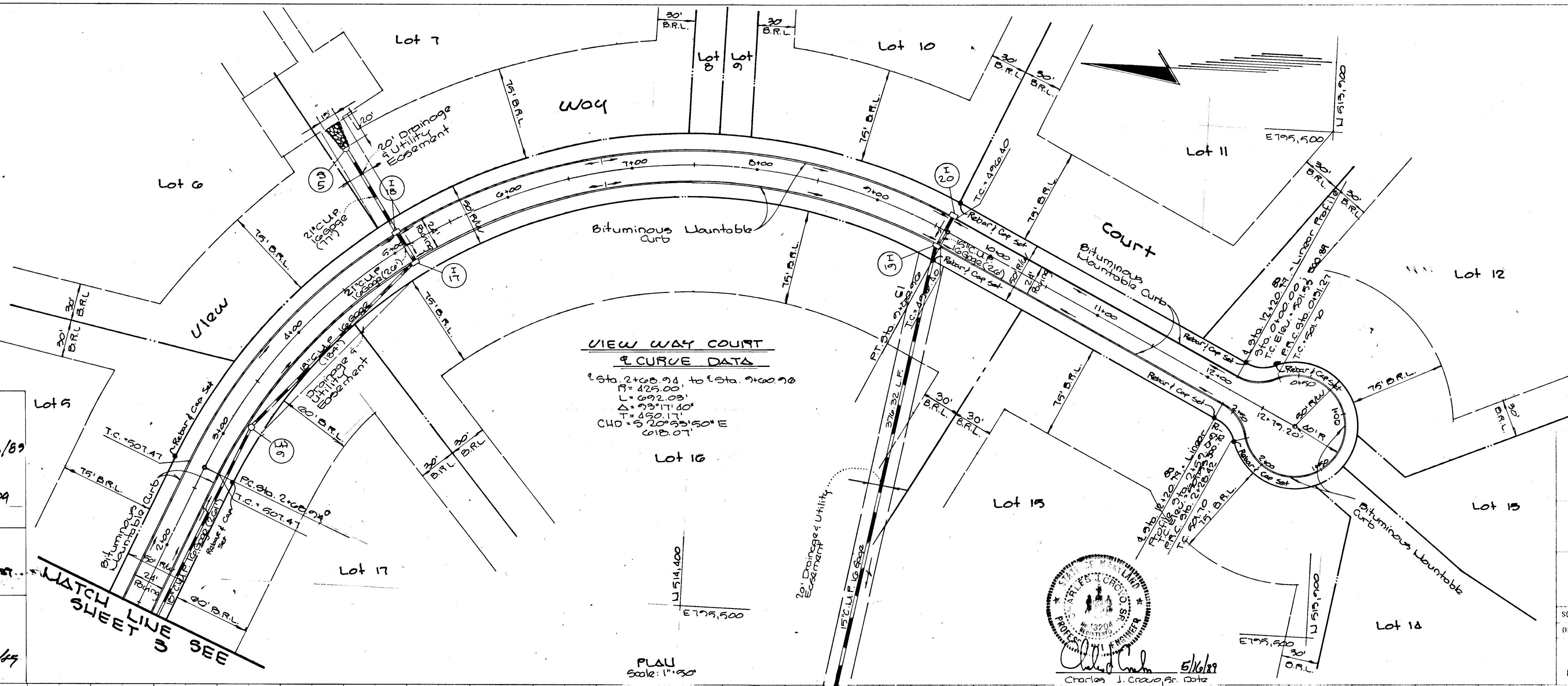
FD9-231

AS-BUILT

1507

DATE	
BY	
SURVEYED	
ALIGNED	
CHECKED	
RT. OF WAY CHECKED	
NOTE BOOK NO.	

APPROVED  
DEPARTMENT OF PUBLIC WORKS  
*Paul J. Egan* 11/16/89  
VISION  
*Granville W. Wallace* 11/2/89  
DEPARTMENT OF HIGHWAYS  
APPROVED  
DEPARTMENT OF PUBLIC WORKS  
*William E. Rely* 11/16/89  
CHIEF, BUREAU OF ENGINEERING  
APPROVED  
DEPARTMENT OF PLANNING AND ZONING  
*James W. Taylor* 11/14/89  
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT



**THE WARFIELDS**  
Section One Lots 1-45  
Fifth Election District  
Howard County, Maryland

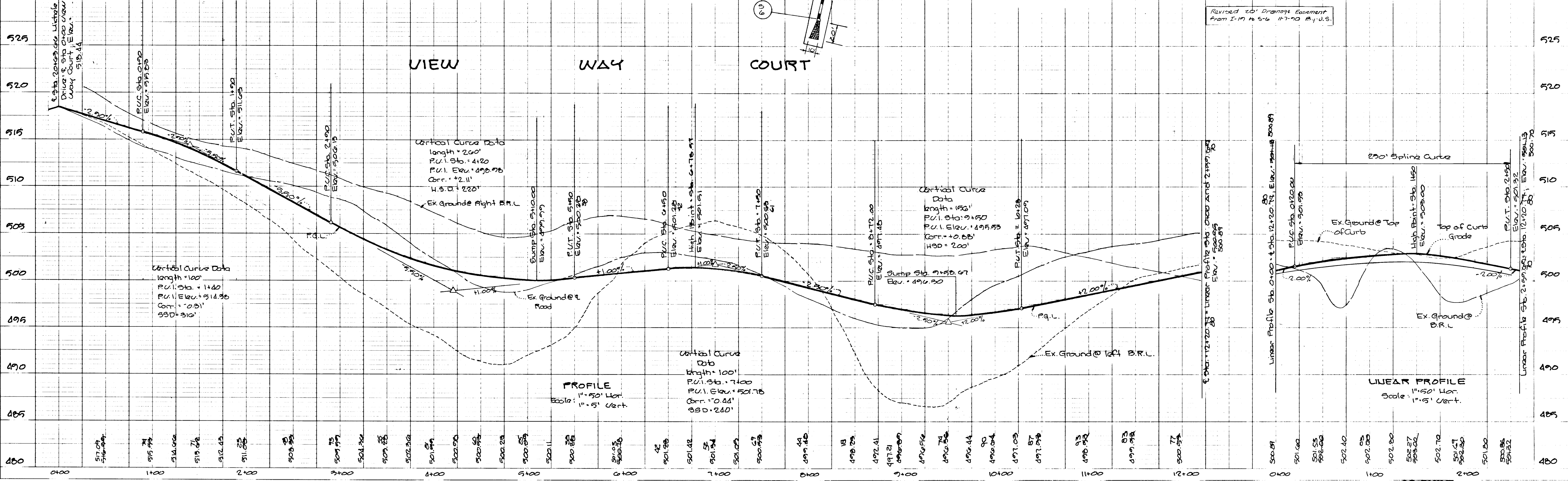
**View Way Court  
Plan and Profile**

OWNER AND DEVELOPER  
**Warfield Brothers**  
14005 Trudolph Road  
Glenzig, Maryland 21757

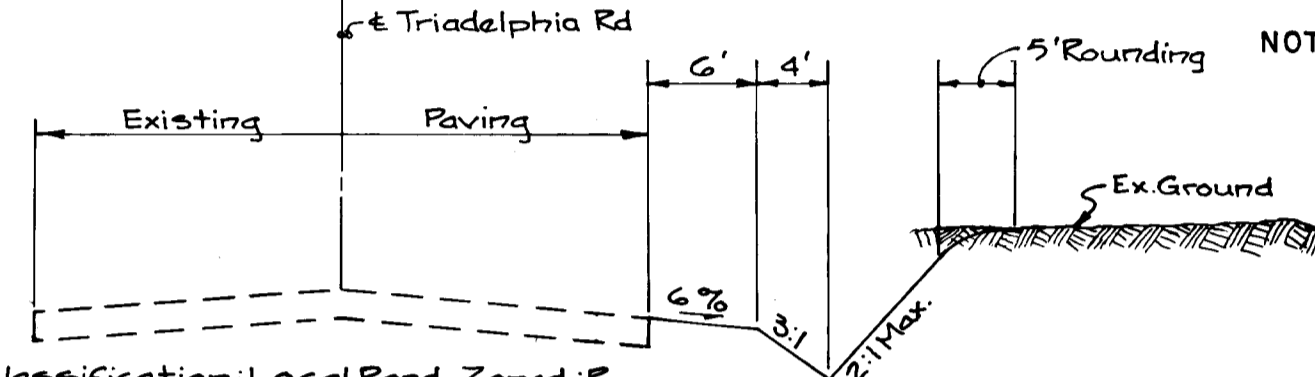
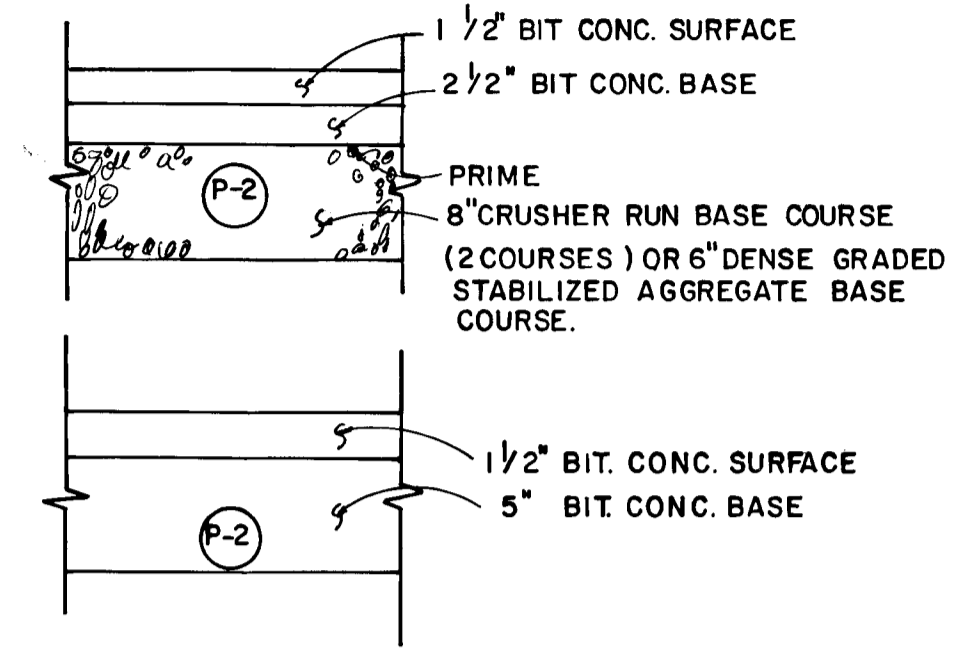
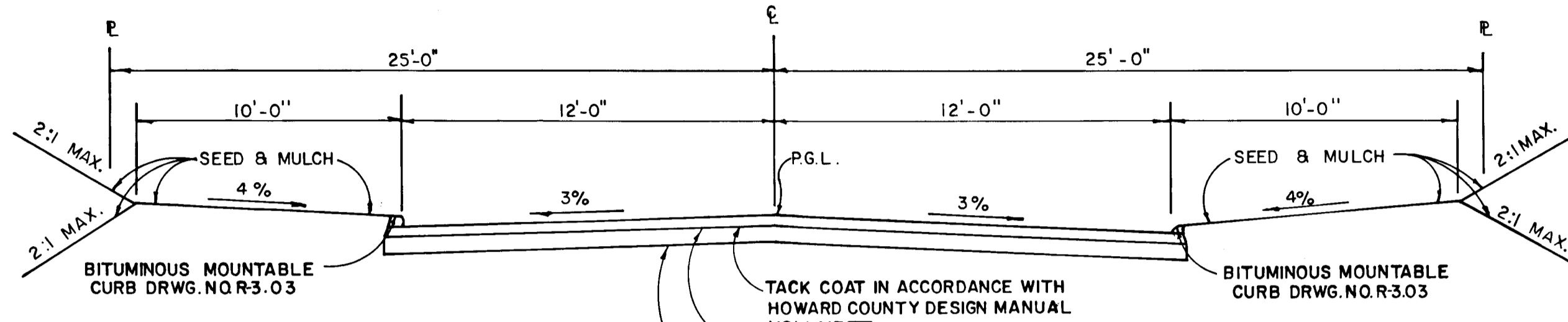
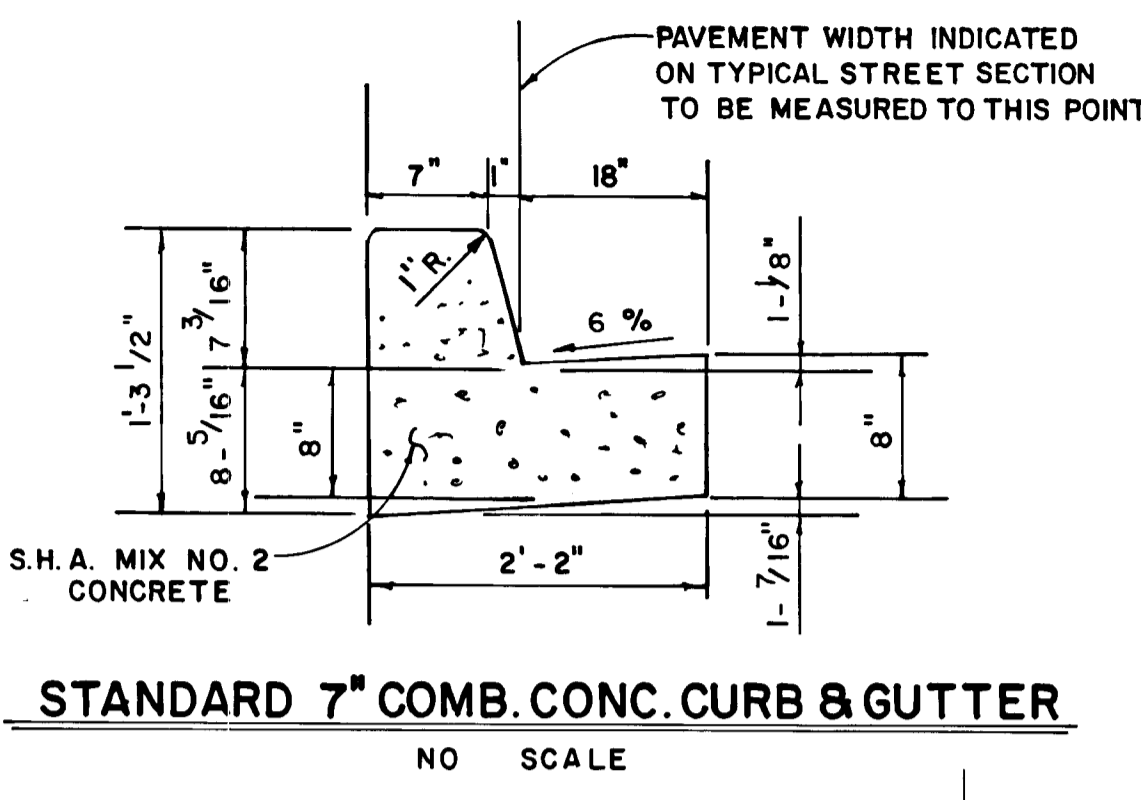
SCALE As Shown DATE 10/19/89 DWG. NO. 7 OF 14  
DES. W. Wallace DRN. L. Egan EXP. C. Egan, Sr.

REGISTERED PROFESSIONAL ENGINEER  
COLLINS AND SAFER, INC.  
CIVIL ENGINEERS AND LAND SURVEYORS  
8388 COURT AVE. ELICOTT CITY, MARYLAND 21043

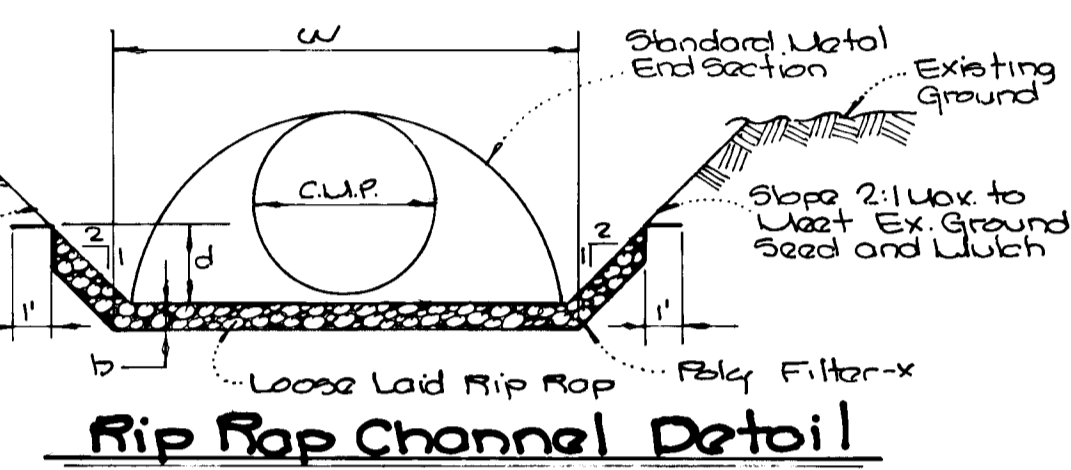
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SURVEYED	
GRADES CHECKED	
B.M.'S NOTED	
STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.	



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TYPICAL ROADWAY SECTION  
NO SCALE



PAVING SECTION P-2  
NO SCALE

TYPICAL WIDENING SECTION ALONG TRIADELPHIA ROAD  
NO SCALE

Rip Rap Channel Detail  
NO SCALE

Road Name	Classification	Design Speed	Zoning	Station Limits
Uchale Drive	Local Road	25 U.P.H	R	0+00 to 24+50.55
New Way Court	Cul-De-Sac	25 U.P.H	R	0+00 to 12+20.00
Chestnut Court	Cul-De-Sac	25 U.P.H	R	0+00 to 17+16.10
Popling Way	Cul-De-Sac	25 U.P.H	R	0+00 to 14+01.21

Structure	A	P	R	R 2/3	S	S 1/2	n	Q	U	d	w	Rip Rap	b
S-1	3.04	7.04	9.10	.6421	0.90%	0.707	.04	5.01 c.f.s.	1.67 f.p.s.	0.60'	4.0'	4"	6"
S-2	6.49	9.70	.6421	.7577	0.90%	0.707	.04	12.12 c.f.s.	1.97 f.p.s.	0.84'	6.0'	4"	6"
S-3	2.15	5.91	3.04	.5044	0.90%	0.707	.04	2.55 c.f.s.	1.32 f.p.s.	0.44'	4.0'	4"	6"
S-4	2.62	6.33	4.39	.5550	0.90%	0.707	.04	3.92 c.f.s.	1.49 f.p.s.	0.52'	4.0'	4"	6"
S-5	7.02	10.02	.7020	.7879	0.90%	0.707	.04	14.01 c.f.s.	2.07 f.p.s.	0.75'	6.0'	4"	6"
S-6	3.12	6.68	4.61	.6009	0.90%	0.707	.04	4.44 c.f.s.	1.50 f.p.s.	0.60'	4.0'	4"	6"
S-7	2.38	6.15	3.67	.5294	0.90%	0.707	.04	3.22 c.f.s.	1.39 f.p.s.	0.48'	4.0'	4"	6"
S-8	17.92	16.26	10.21	1.0673	2.00%	.1414	.04	78.72 c.f.s.	5.61 f.p.s.	1.40'	10.0'	4"	6"

**THE WARFIELD'S**  
Section One Lots 1-15  
Fifth Election District  
Howard County, Maryland

Typical Roadway Section,  
Lots and Details and  
Storm Drain Profiles

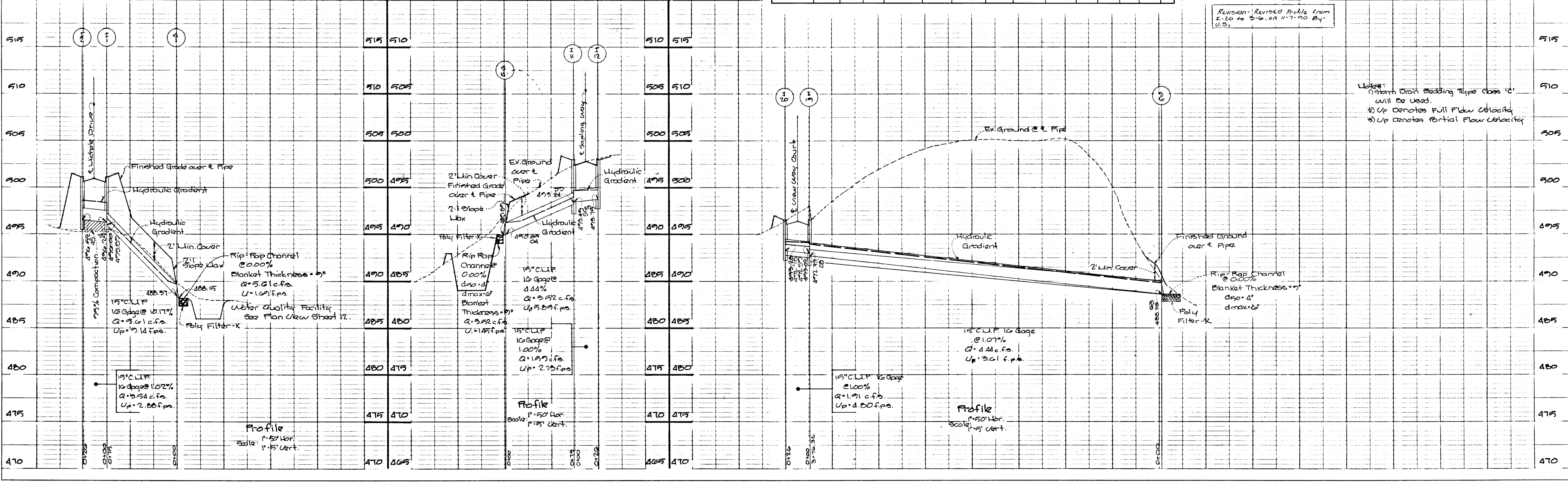
OWNER AND DEVELOPER  
**Warfield Brothers**  
1400 Triadelphia Road  
Glenelg, Maryland 21737



CHARLES J. CROVO SR. 5/14/89  
DATE

SCALE As Shown DATE May 12, 1989 DWG NO. 20 OF 14  
DES. R. Leach DRN. J. Forrest CH. Crovo, Sr.  
FISHER, COLLINS AND CARTER, INC.  
CIVIL ENGINEERS AND LAND SURVEYORS  
8388 COURT AVE. ELLICOTT CITY, MARYLAND 21043

Revision - Revised Profile from  
E-20 to E-6, on 11-7-90 by  
C.S.



Notes:  
1) Storm Drain Bedding Type class 'C' will be used.  
2) U<sub>f</sub> Denotes Full Flow Velocity  
3) U<sub>p</sub> Denotes Partial Flow Velocity

DATE  
BY  
CHECKED  
DATE  
NO.

APPROVED DEPARTMENT OF PUBLIC WORKS  
*Charles J. Crovo Sr.* 11/16/89  
CHIEF, LAND DEVELOPMENT DIVISION DATE

DEPARTMENT OF PUBLIC WORKS  
*Granville W. McLeod* 11/2/89  
CHIEF, BUREAU OF HIGHWAYS DATE

APPROVED DEPARTMENT OF PUBLIC WORKS  
*William E. Rely* 11/14/89  
DATE

APPROVED DEPARTMENT OF PLANNING AND ZONING  
*John S. Taylor* 12/1/89  
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

DATE  
BY  
CHECKED  
DATE  
NO.

1507



APPROVED  
DEPARTMENT OF PUBLIC WORKS

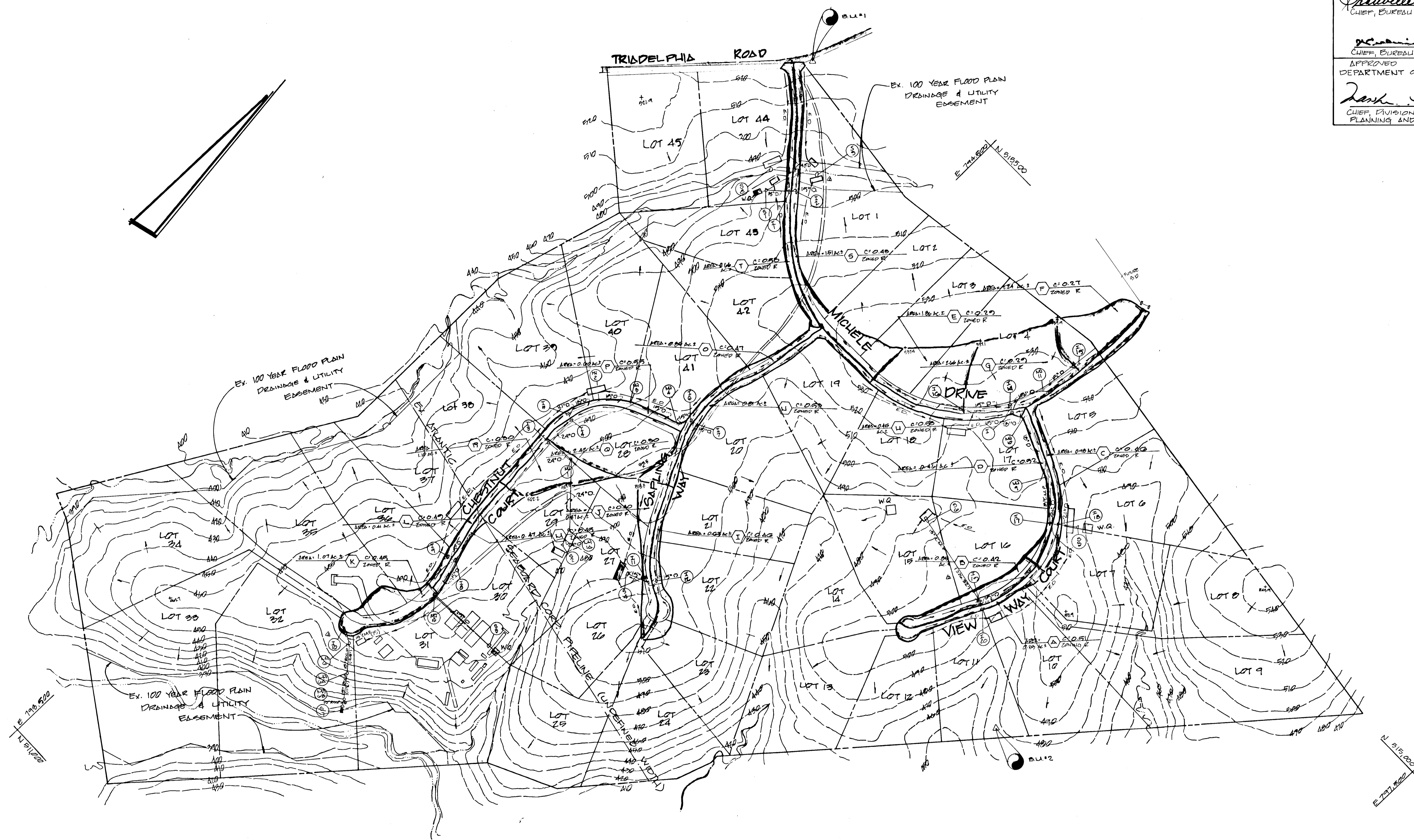
*Kenneth Egan* 11/16/89  
CHIEF, LAND DEVELOPMENT DIVISION DATE

*Bruce W. Heston* 11/2/89  
CHIEF, BUREAU OF HIGHWAYS DATE

*William B. Kelly* 11-16-89  
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED  
DEPARTMENT OF PLANNING AND ZONING

*Don S. Long* 11/16/89  
CHIEF, DIVISION OF COMMUNITY PLAN DATE  
PLANNING AND LAND DEVELOPMENT

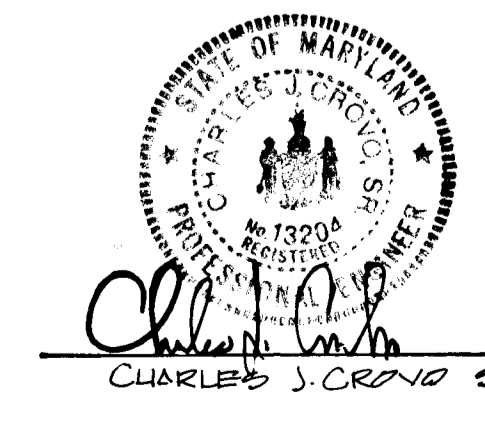


PLAN  
SCALE 1"=200'

1507

FIJNER, COLLINS AND CARTER, INC.  
CONSULTING ENGINEERS AND LAND SURVEYORS  
8000 COURT AVENUE  
ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: (301) 461-2855

OWNER AND DEVELOPER  
WARFIELD BROTHERS  
14600 TRIDELPHIA RD  
GREENGL, MARYLAND, 21737



*Charles S. Craig*  
CHARLES S. CRAIG, ENGR.  
5/16/89  
DATE

DRAINAGE AREA MAP  
THE WARFIELDS  
FIFTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
SCALE AS SHOWN  
MAY 10, 1989  
SHEET 9 OF 14

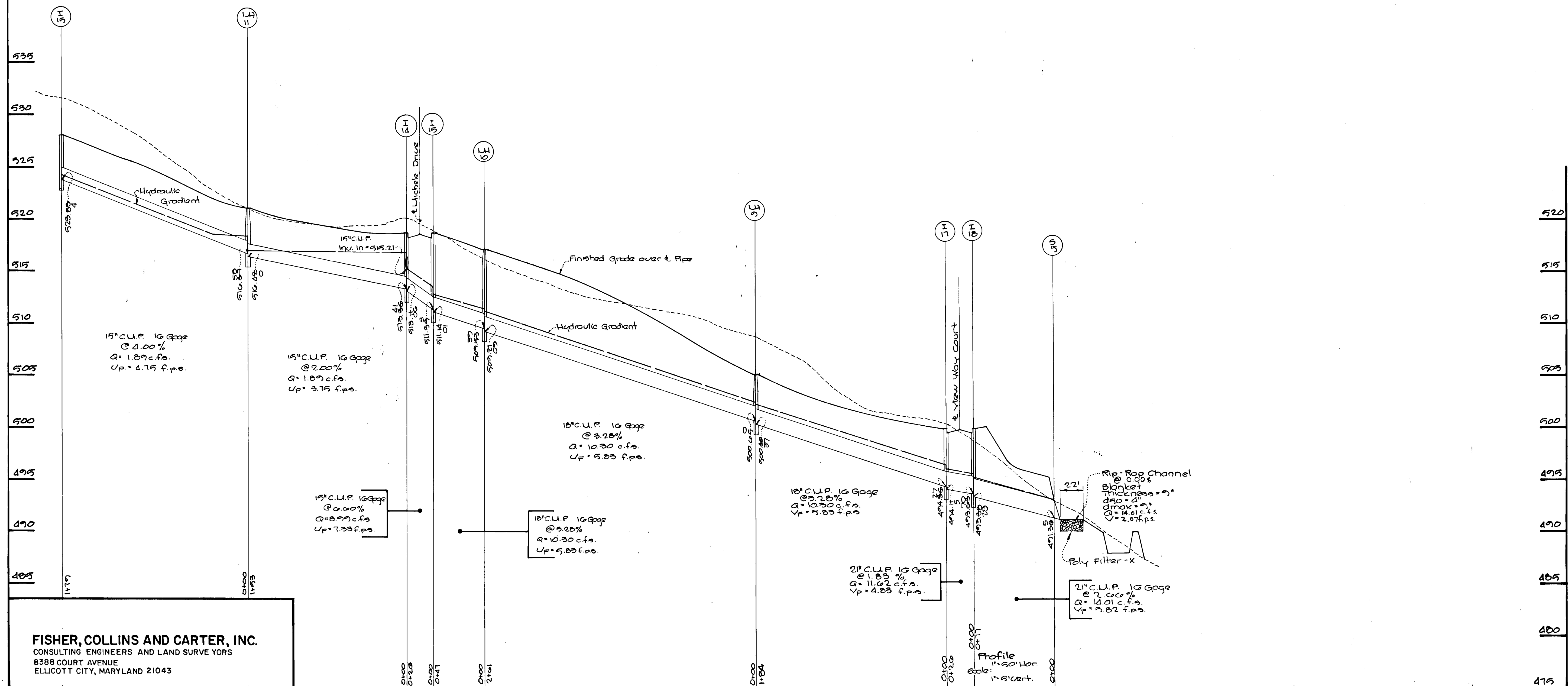
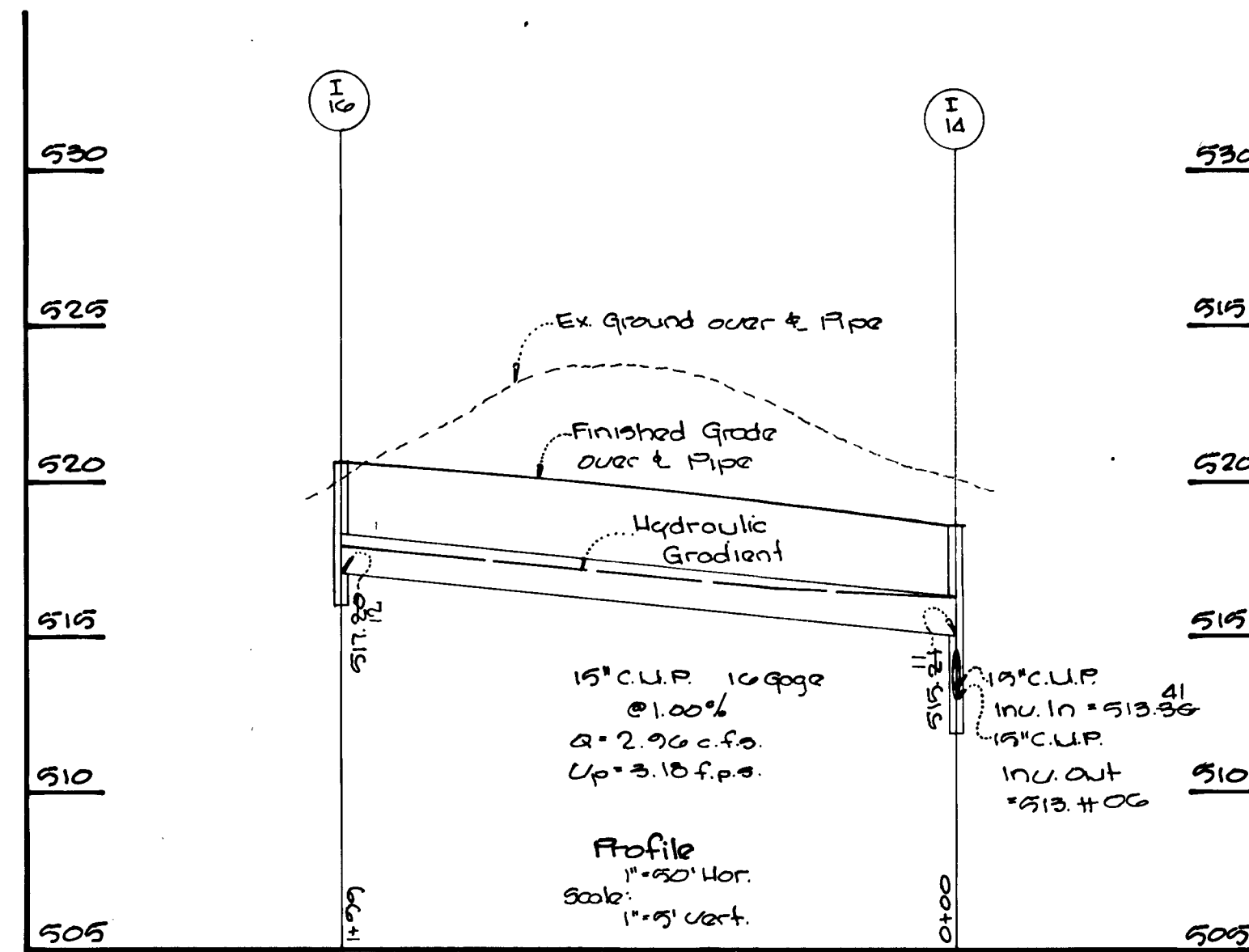
Reviewed - Revised Area performing by S.S. 3/17/92

APPROVED: DEPARTMENT OF PLANNING AND ZONING  
*Frank V. Long* 12/1/89  
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

APPROVED: DEPARTMENT OF PUBLIC WORKS  
*Donnell W. Welland* 11/2/89  
 CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: DEPARTMENT OF PUBLIC WORKS  
*William R. Green* 11/16/89  
 CHIEF, BUREAU OF HIGHWAYS DATE

APPROVED: DEPARTMENT OF PUBLIC WORKS  
*Donald S. Saxon* 11/16/89  
 CHIEF, LAND DEVELOPMENT DIVISION DATE



520  
515  
510  
505  
500  
495  
490  
485  
480  
475

*Charles J. Crava, Sr.* 5/16/89  
 Charles J. Crava, Sr. Date

Notes:  
 1) Storm Drain Bedding Class C to be used  
 2) Vp Denotes Full Flow Velocity  
 3) Vp Denotes Partial Flow Velocity

**THE WARFIELDS**  
 Section One Lots 1-15  
 Fifth Election District  
 Howard County, Maryland  
 Scale: As Shown Date: 5-10-89

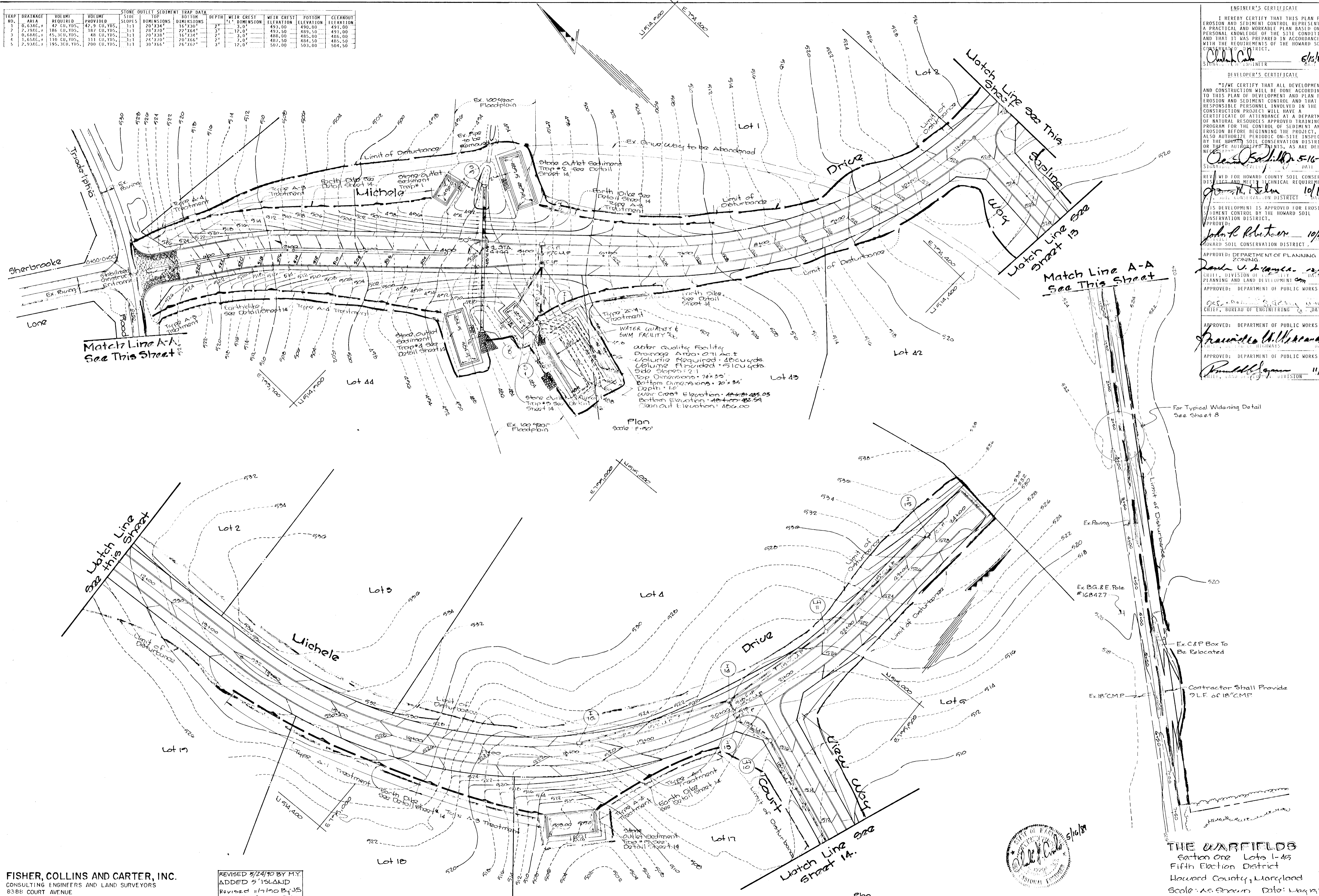
Sheet: 10 of 14

1501

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



TRAP NO.	DEPTH	VOLUME REQUIRED	VOLUME PROVIDED	SIZE	TOP	LENGTH	DEPTH	WEIR CREST ELEVATION	POTIOM ELEVATION	CLEANOUT ELEVATION	
1	0.63AC.	42 CU. YDS.	42.9 CU. YDS.	1:1	20'x34'	16'x30'	2'	3.0'	493.00	490.00	491.00
2	2.99AC.	186 CU. YDS.	187 CU. YDS.	1:1	28'x70'	22'x64'	3'	12.0'	493.50	489.50	491.00
3	0.63AC.	45.3CU. YDS.	48 CU. YDS.	1:1	20'x38'	16'x34'	2'	3.0'	488.00	484.50	485.50
4	1.63AC.	110 CU. YDS.	111 CU. YDS.	1:1	24'x70'	20'x66'	3'	7.0'	487.50	484.50	485.50
5	2.93AC.	185.3CU. YDS.	200 CU. YDS.	1:1	30'x66'	26'x62'	3'	12.0'	507.00	503.00	504.50



**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 SOIL CONSERVATION DISTRICT.  
 Signature: [Signature] 5/16/89  
 DATE: 5/16/89

**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: [Signature] 5/16/89  
 DATE: 5/16/89

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MET ALL TECHNICAL REQUIREMENTS.  
 Signature: [Signature] 10/16/89  
 DATE: 10/16/89

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
 Signature: [Signature] 10/16/89  
 DATE: 10/16/89

APPROVED: DEPARTMENT OF PLANNING AND ZONING  
 Signature: [Signature] 10/16/89  
 DATE: 10/16/89

APPROVED: DEPARTMENT OF PUBLIC WORKS  
 Signature: [Signature] 10/16/89  
 DATE: 10/16/89

APPROVED: DEPARTMENT OF PUBLIC WORKS  
 Signature: [Signature] 11/16/89  
 DATE: 11/16/89

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

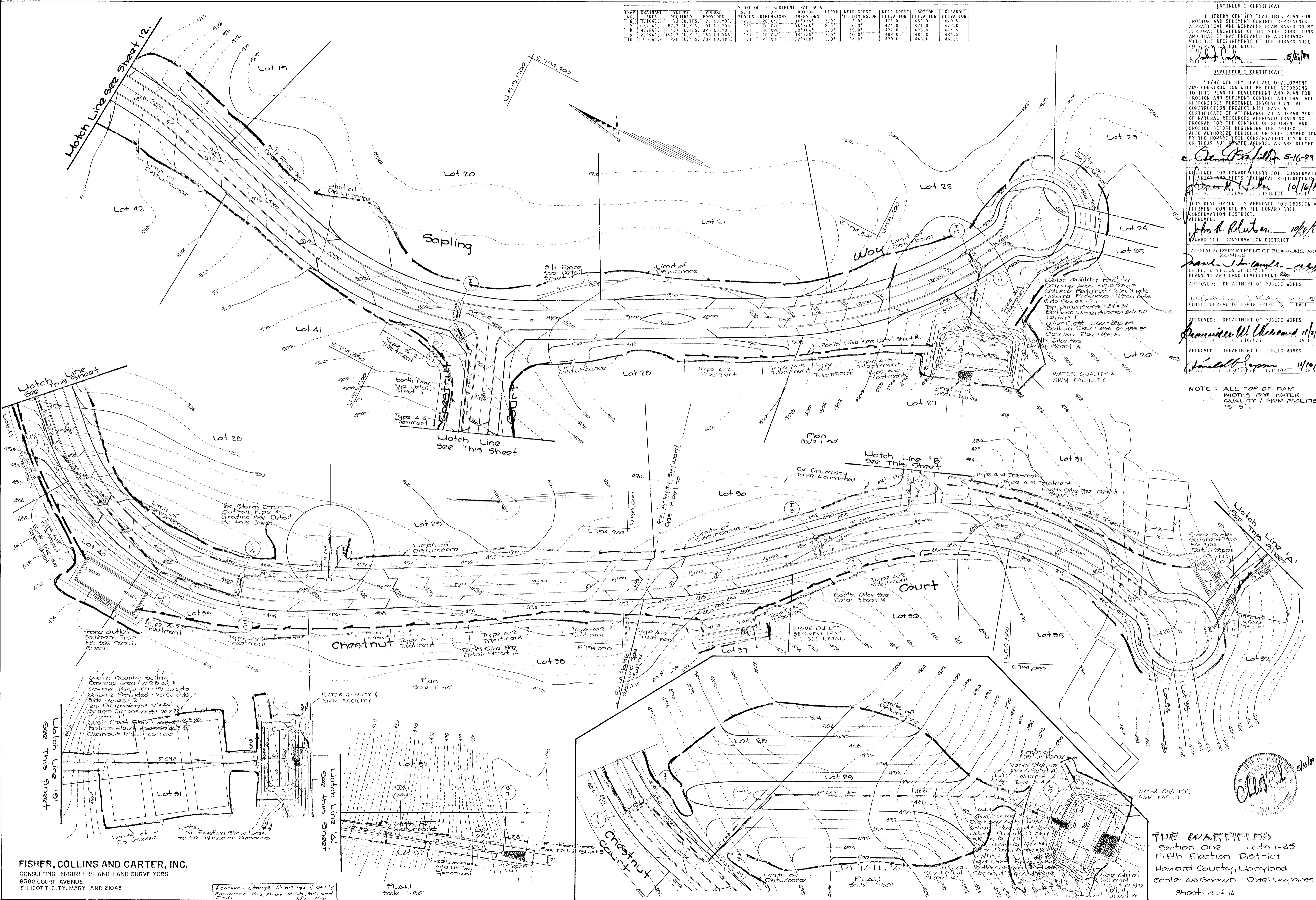
REVISED 5/24/70 BY M.Y.  
 ADDED 5' ISLAND  
 REVISED 11/17/80 BY JS  
 MOVED PIPE 5-9 TO  
 5-8 AND RIP ROP.



**THE WARFIELDS**  
 Section One Lots 1-15  
 Fifth Election District  
 Howard County, Maryland  
 Scale: AS SHOWN Date: May 19, 1989  
 Sheet: 12 of 14  
 3-27-92

1507

TRAP NO.	DRAINAGE AREA	VOLUME REQUIRED	VOLUME PROVIDED	STONE OUTLET	SEDIMENT TRAP DATA	DEPTH	WEIR CREST ELEVATION	WEIR CREST ELEVATION	BOTTOM ELEVATION	CLEANOUT ELEVATION
NO.	AC.	CU. YDS.	CU. YDS.	SLOPE	TOP DIMENSIONS	BOTTOM DIMENSIONS	1" DIMENSION	2" DIMENSION	3" DIMENSION	4" DIMENSION
6	1.10AC	73 CU. YDS.	75 CU. YDS.	2:1	20'x42"	14'x36"	3.0'	5.0'	473.0	470.5
7	1.50 AC	87.3 CU. YDS.	91 CU. YDS.	2:1	20'x42"	14'x36"	3.0'	5.0'	474.0	471.5
8	4.25AC	316.7 CU. YDS.	320 CU. YDS.	2:1	36'x90"	30'x84"	3.0'	19.0'	472.0	474.5
9	2.25AC	152.7 CU. YDS.	158 CU. YDS.	2:1	20'x42"	14'x36"	3.0'	10.0'	489.0	486.5
10	2.50 AC	175.0 CU. YDS.	179 CU. YDS.	2:1	20'x42"	14'x36"	3.0'	14.0'	470.0	467.5



**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 SOIL CONSERVATION DISTRICT.

*Charles C. Fisher*  
 REGISTERED PROFESSIONAL ENGINEER  
 STATE OF MARYLAND  
 No. 11111

**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 SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARI DEEMED NECESSARY.

*James W. Williams*  
 5-11-89  
 STATE OF MARYLAND  
 No. 11111

APPROVED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT MEETING REQUIREMENTS  
*James W. Williams*  
 10/16/89  
 STATE OF MARYLAND  
 No. 11111

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
 APPROVED:  
*John H. Blanton*  
 10/16/89  
 STATE OF MARYLAND  
 No. 11111

APPROVED: DEPARTMENT OF PLANNING AND ZONING  
*Frank J. Campbell*  
 10/16/89  
 STATE OF MARYLAND  
 No. 11111

APPROVED: DEPARTMENT OF PUBLIC WORKS  
*James W. Williams*  
 11/16/89  
 STATE OF MARYLAND  
 No. 11111

NOTE: ALL TOP OF DAM WIDTHS FOR WATER QUALITY / SWM FACILITIES IS 5'.

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

Revision - Change Drainage & Utility Equipment M-6, M-10a, M-16b, 5-7, and I-10.

**THE WARFIELDS**  
 Section One Lots 1-15  
 Fifth Election District  
 Howard County, Maryland  
 Scale: AS SHOWN Date: 10/16/89  
 Sheet: 13 of 14



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