

APPROVED  
DEPARTMENT OF PUBLIC WORKS  
*John W. Seragusa* 6/6/90  
CHIEF, LAND DEVELOPMENT DIVISION DATE

*Francis W. Keenan* 7/30/90  
CHIEF, BUREAU OF HIGHWAYS DATE

APPROVED  
DEPARTMENT OF PUBLIC WORKS  
*Michael B. Raby* 6/22/90  
CHIEF, BUREAU OF ENGINEERING DATE

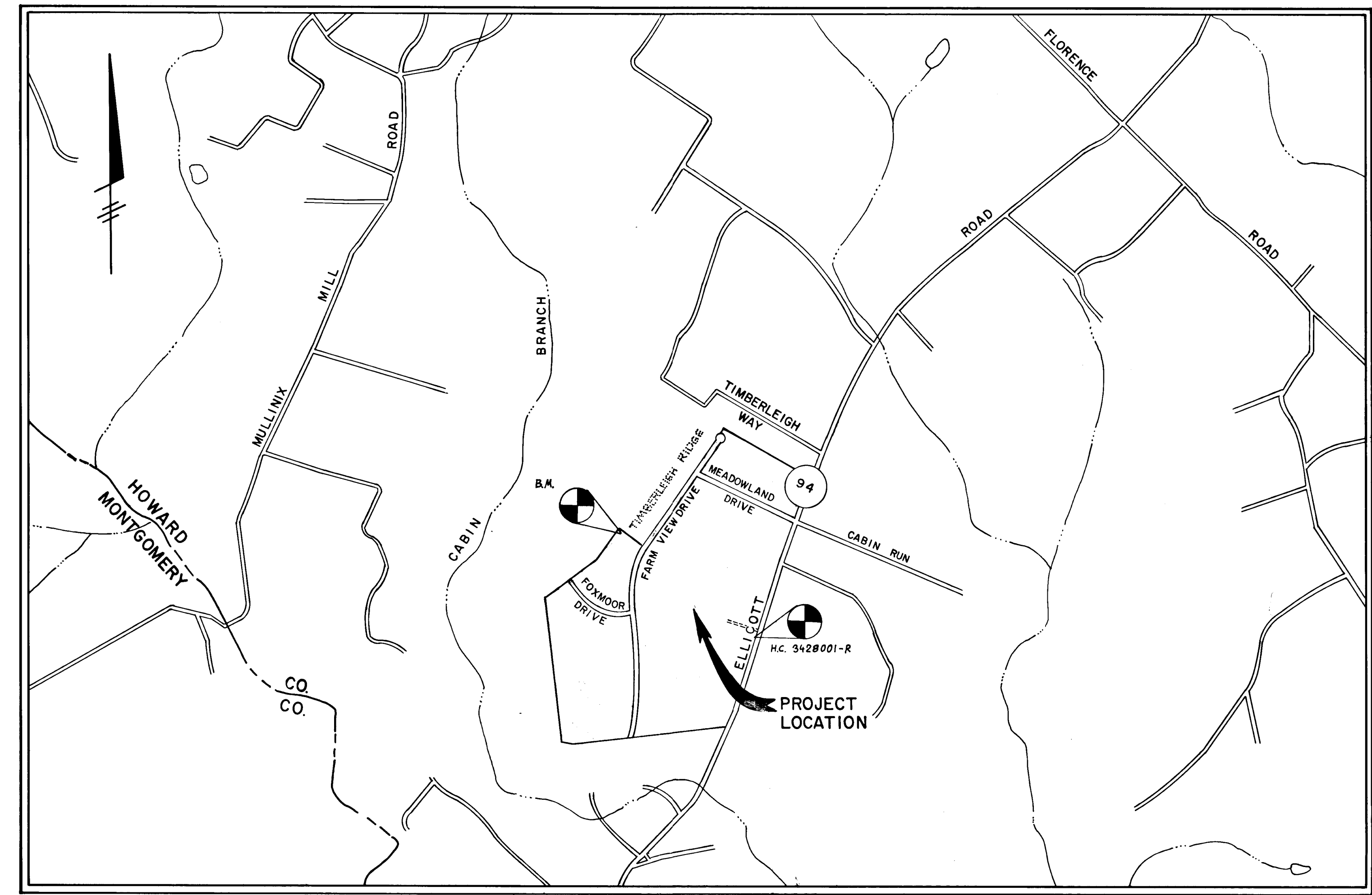
APPROVED  
DEPARTMENT OF PLANNING AND ZONING  
*David J. Zarycki* 6/22/90  
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

# TIMBERLEIGH HOMESTEADS

## FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

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 DRAINAGE TRENCHES WITHIN ROAD RIGHTS OF WAY SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL IV.
4. ANY DAMAGE TO PUBLIC RIGHTS OF WAY SHALL BE 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. ALL TRAFFIC CONTROL DEVICES, 1984 REVISED EDITION, WILL BE INSTALLED IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES 1978 EDITION.
7. ALL WORK SHALL BE DONE IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL VOLUME IV STANDARDS SPECIFICATIONS AND DETAILS FOR CONSTRUCTION 1989 AMENDMENTS.



VICINITY MAP  
SCALE: 1" = 1200'

BENCH MARKS

H.C. STATION 3428001-R ELEVATION 589.877  
CONC. MONUMENT 0.7' BELOW SURFACE 146' SOUTH TO DRIVEWAY

B.M. ELEVATION 665.36  
RAIL ROAD SPIKE IN 27" OAK 150' SOUTH OF TIMBERLEIGH RIDGE

INDEX

SHEETS 2-6	ROAD PLANS & PROFILES.
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SHEETS 9-12	GRADING & SEDIMENT CONTROL.
SHEET 13	DRAINAGE AREA MAP
SHEET 14	STORM WATER MANAGEMENT POND

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

*Charles J. Crovo Sr.*  
CHARLES J. CROVO SR.  
REGISTERED PROFESSIONAL ENGINEER  
STATE OF MARYLAND  
132004

9/6/97  
DATE

OWNER & DEVELOPER  
WILLIAM B. & PHYLLIS MARTIN  
3268 MD. ROUTE 94  
WOODBINE, MD. 21797

0850

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 APPROVED: \_\_\_\_\_  
 DEPARTMENT OF PUBLIC WORKS

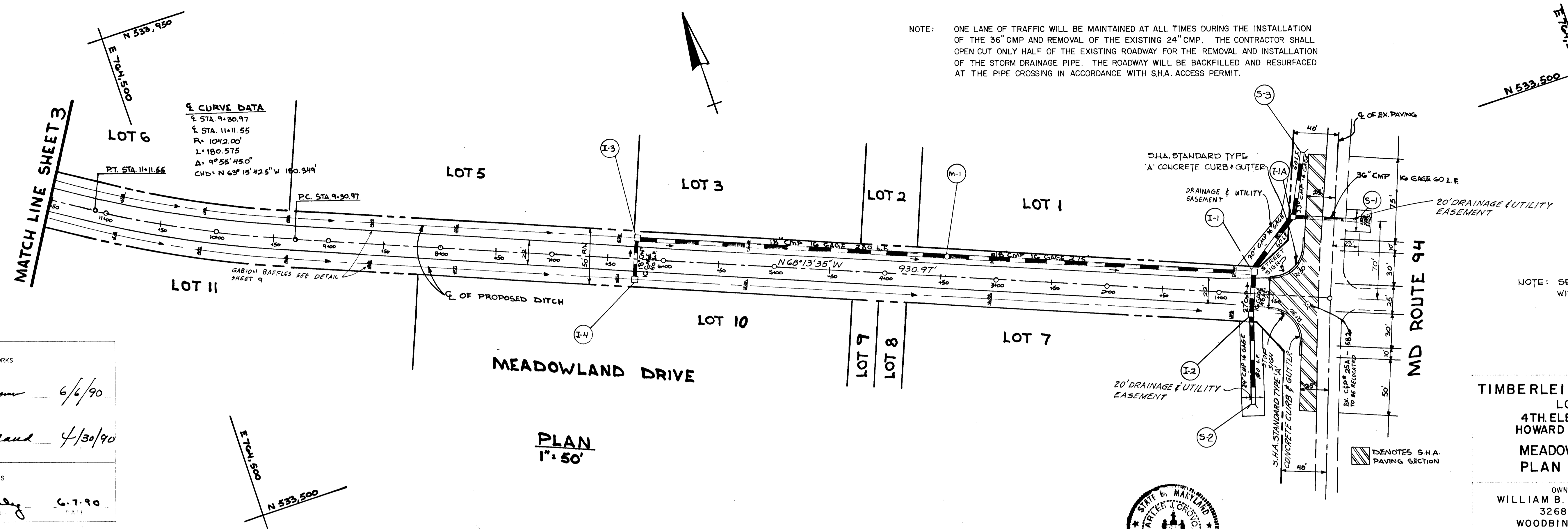
APPROVED: *Olga M. Perryman* 6/6/90  
 CHIEF, DIVISION OF HIGHWAYS

APPROVED: *Francis W. Wessand* 4/30/90  
 CHIEF, DIVISION OF HIGHWAYS

APPROVED: *William E. Reay* 6-7-90  
 CHIEF, DIVISION OF ENGINEERING

APPROVED: *Joseph J. Kewell* 6/21/90  
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 STRUCTURE: NOTATION CHNGD



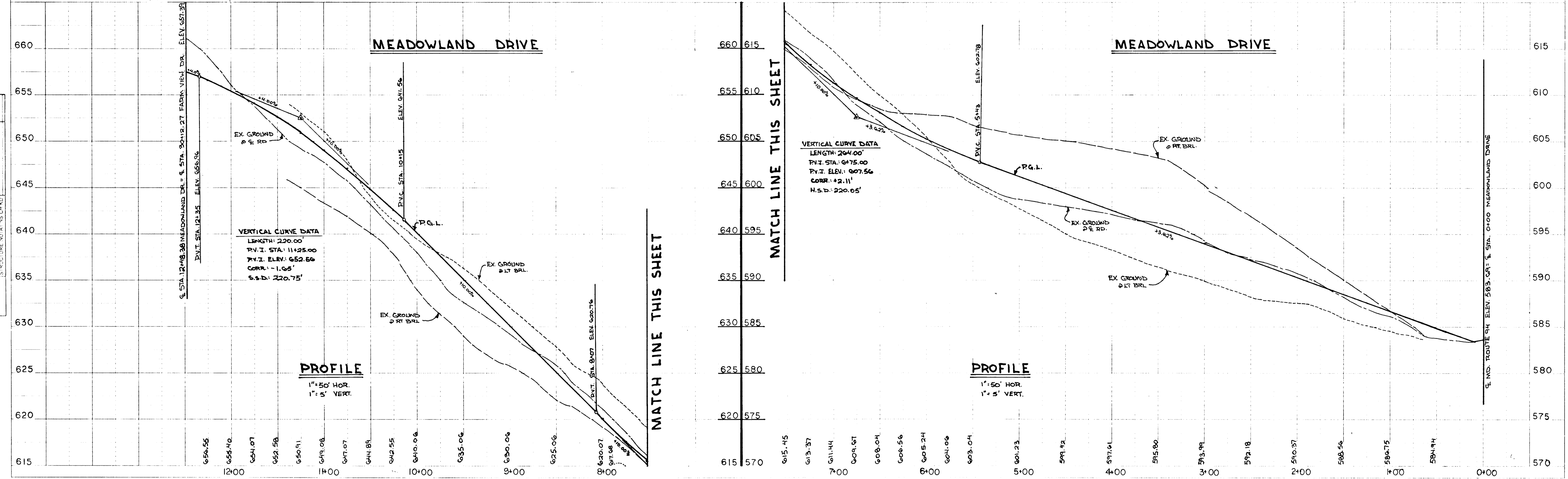
*Charles J. Crovo Sr.*  
**CHARLES J. CROVO SR.**  
 DATE: 9/6/89

**TIMBERLEIGH HOMESTEADS**  
 LOTS 1-36  
 4TH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
**MEADOWLAND DRIVE**  
 PLAN AND PROFILE

OWNER AND DEVELOPER:  
 WILLIAM B. AND PHYLLIS MARTIN  
 3268 MD. ROUTE 94  
 WOODBINE, MARYLAND 21797

SCALE AS SHOWN JAN. 29, 1990 DWG NO. 2 OF 14  
 DR. Z. Y. FISCH DR. D. GROSS DR. C. J. GROVO

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

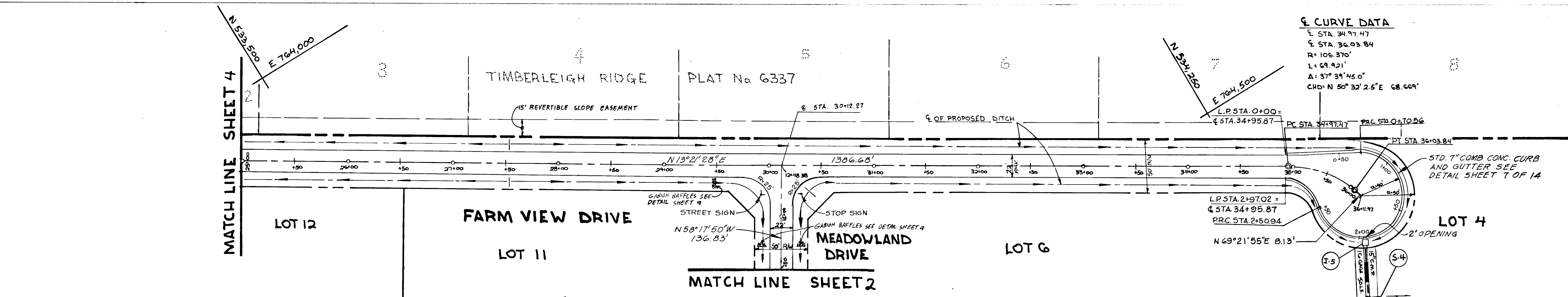


PLAN  
 SURVEYED  
 PLOTTED  
 CHECKED  
 DATE  
 BY  
 NO.

APPROVED  
 DEPARTMENT OF PUBLIC WORKS  
*Alan M. Serizano* 6/6/90  
 DEVELOPER

APPROVED  
 DEPARTMENT OF PUBLIC WORKS  
*William W. Welland* 4/30/90  
 CHIEF, DIVISION OF HIGHWAYS

APPROVED  
 DEPARTMENT OF PLANNING AND ZONING  
*William W. Welland* 6/7/90  
 CHIEF, DIVISION OF COMMUNITY AND LAND DEVELOPMENT



PLAN  
 1" = 50'

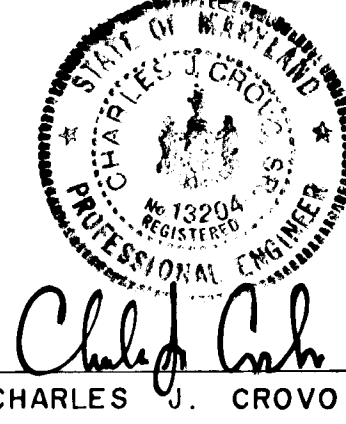
**Q CURVE DATA**

E STA.	34.97.47
Q STA.	36.03.84
R	106.370'
L	69.921'
A	57° 31' 45.0"
CHD	N 50° 32' 2.6" E 68.669'

**TIMBERLEIGH HOMESTEADS**  
 LOTS 1-36  
 4TH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
**FARM VIEW DRIVE**  
 PLAN AND PROFILE

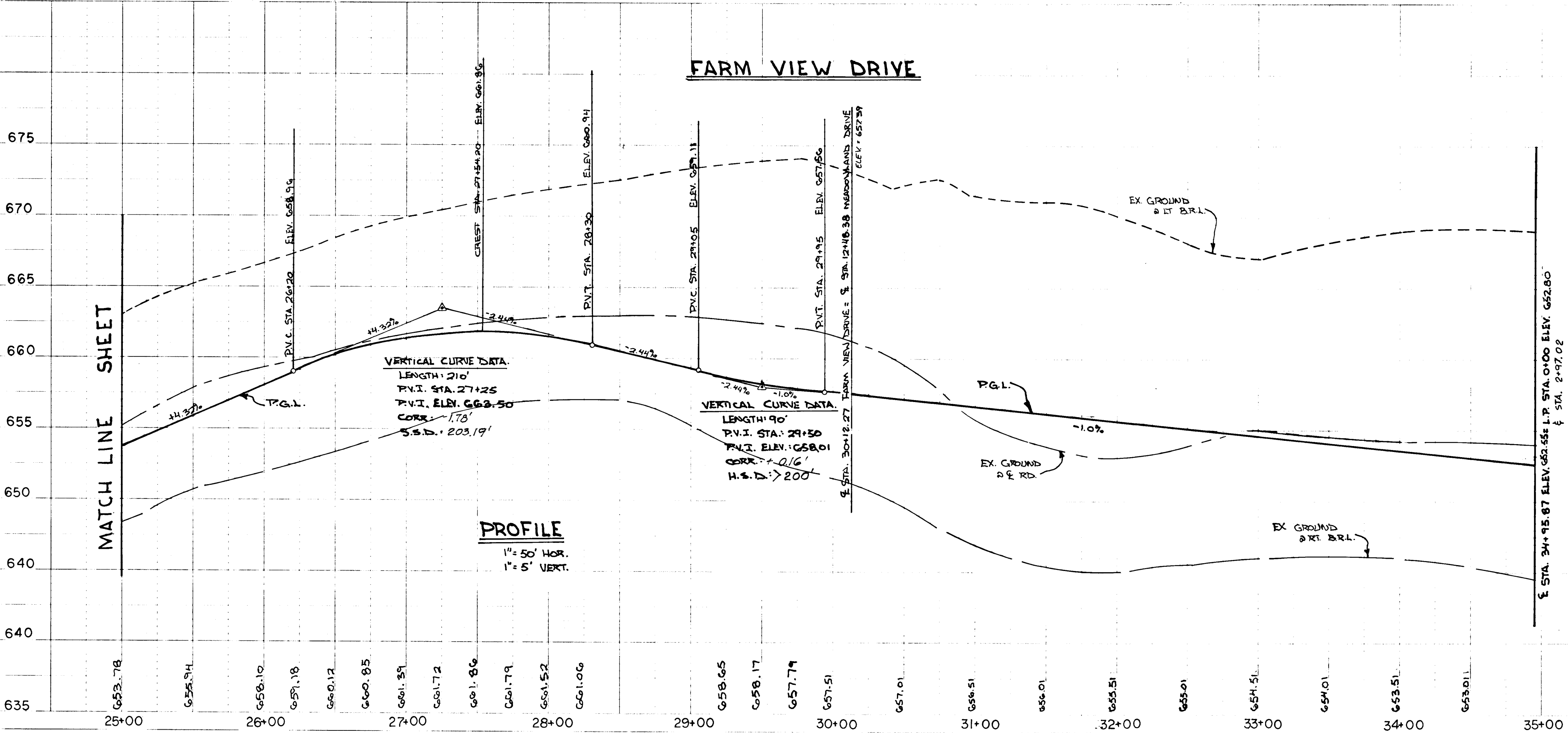
OWNER AND DEVELOPER  
 WILLIAM B. AND PHYLLIS MARTIN  
 3268 MD. ROUTE 94  
 WOODBINE, MARYLAND 21797

DATE AS SHOWN JAN. 29, 1990 3 OF 14  
 BY Z.Y. FISCH D.GROSS C.J. CROVO  
 FISHER, COLLINS AND PARTNER INC.  
 CIVIL ENGINEERS AND SURVEYORS  
 8368 COURT AVE. ELLICOTT CITY, MARYLAND 21104

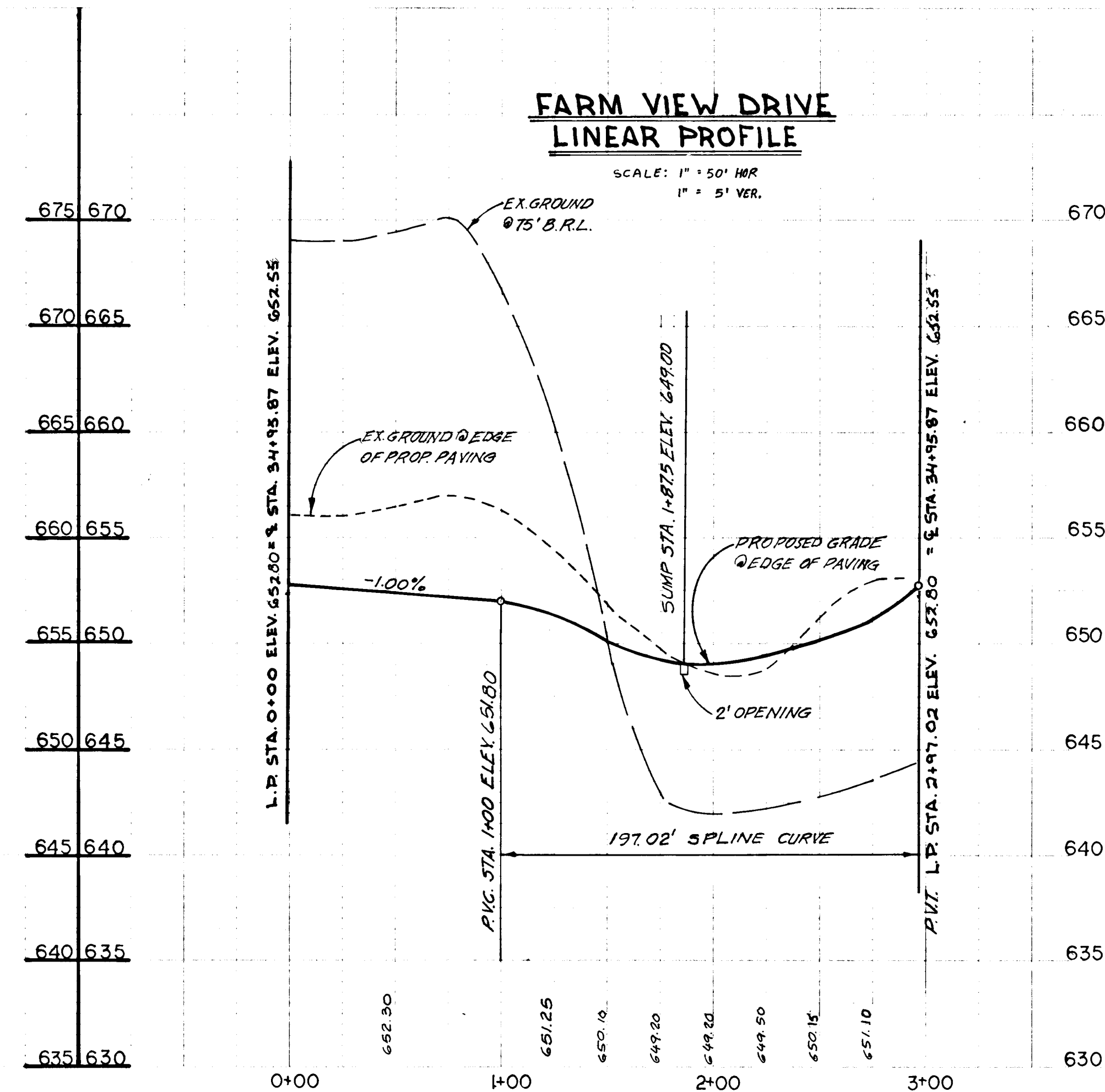


*Charles J. Crovo Sr.*  
 CHARLES J. CROVO SR. DATE 9/6/89

PROFILE  
 SURVEYED  
 PLOTTED  
 CHECKED  
 DATE  
 BY  
 NO.



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



**FARM VIEW DRIVE**  
 LINEAR PROFILE  
 SCALE: 1" = 50' HOR.  
 1" = 5' VERT.

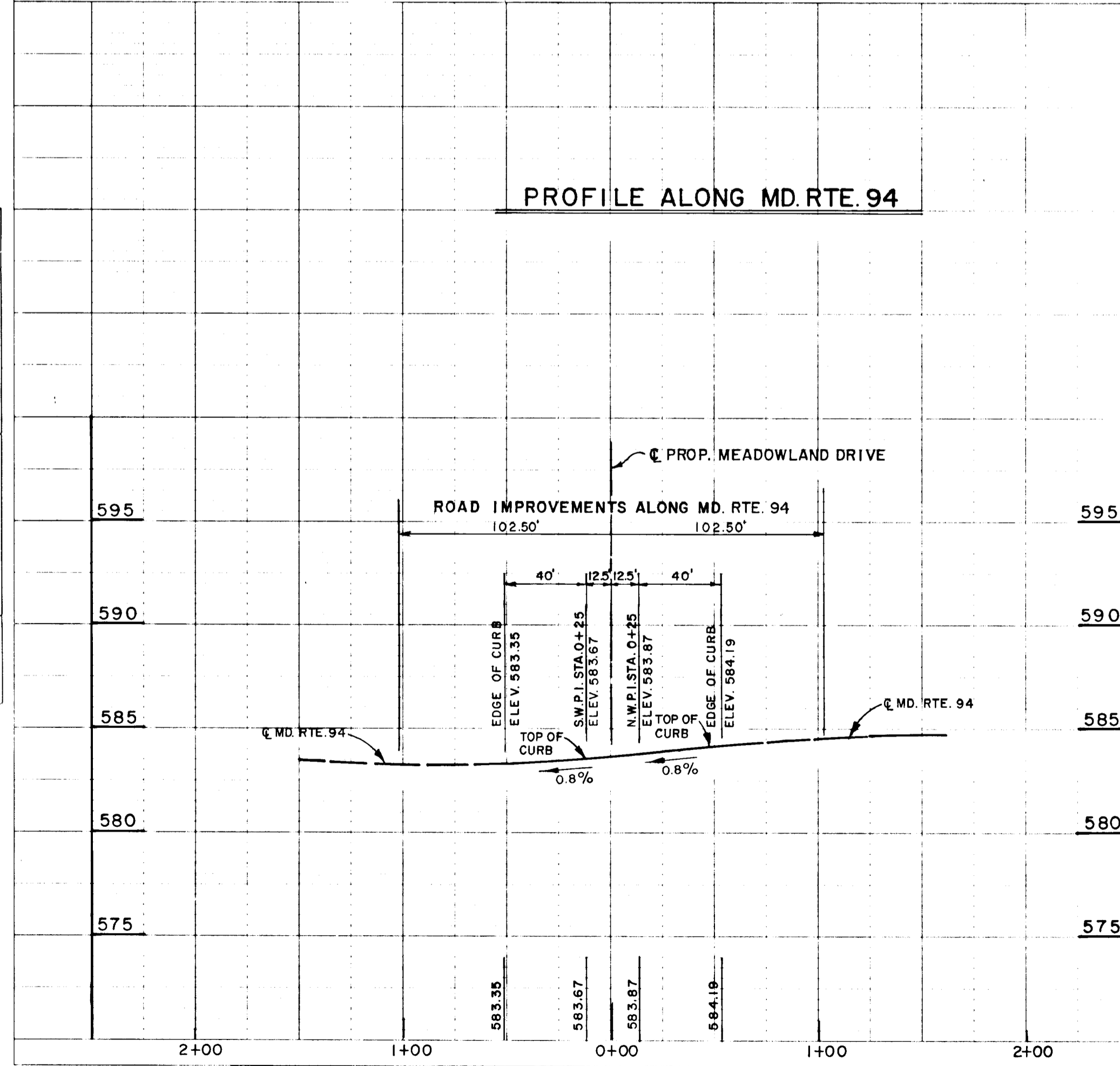
1580

DATE	
BY	
NO.	
PLAN	
NO.	
NO.	
NO.	
NO.	

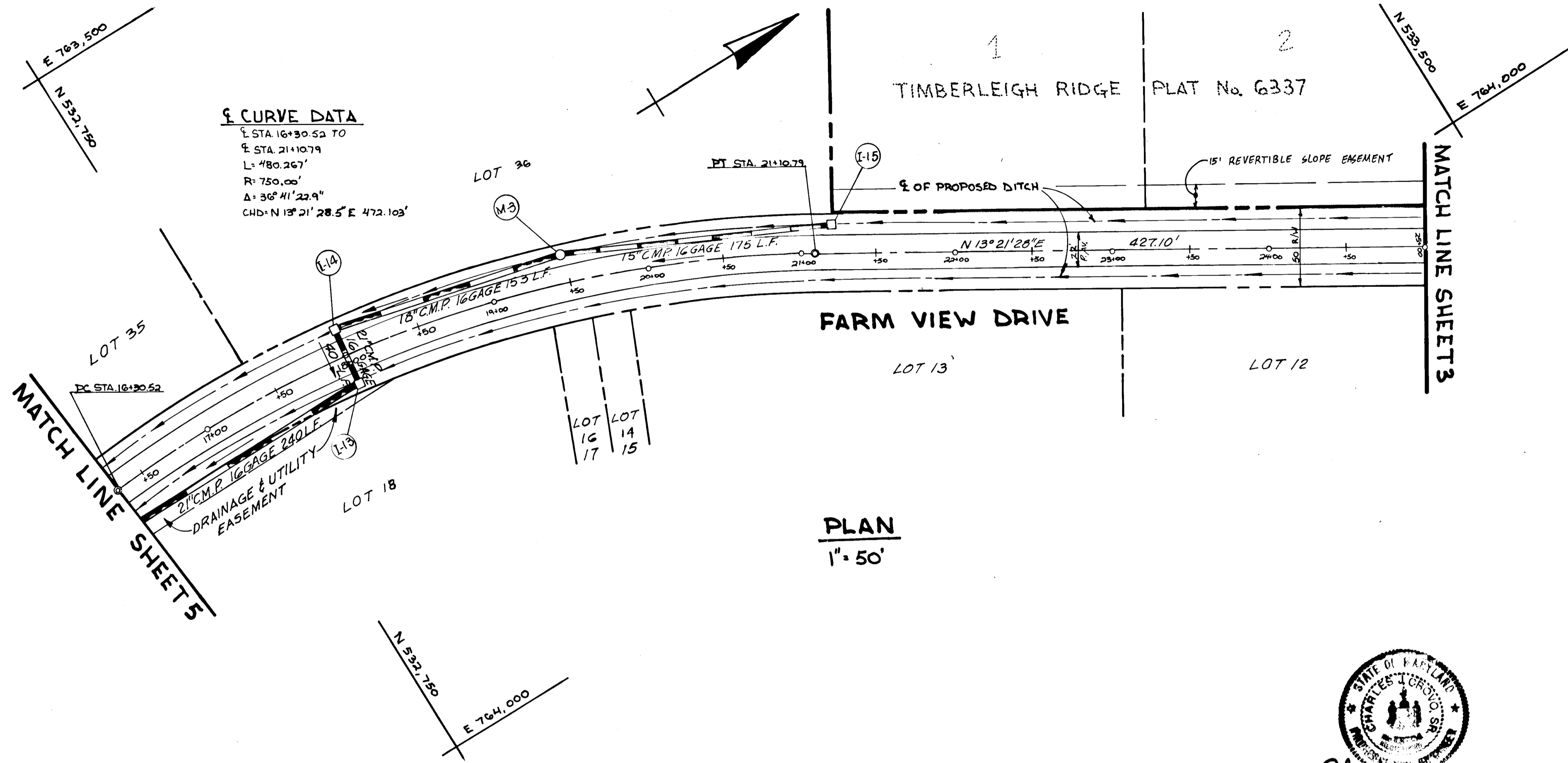
APPROVED  
DEPARTMENT OF PUBLIC WORKS  
*Alan M. Terrigano* 6/6/90  
DEPARTMENT OF PLANNING AND ZONING  
*Frank J. D'Angelo* 6/24/90

APPROVED  
DEPARTMENT OF PUBLIC WORKS  
*William B. Ray* 6-7-90  
DEPARTMENT OF PLANNING AND ZONING  
*Frank J. D'Angelo* 6/24/90

DATE	
BY	
NO.	
PROFILE	
NO.	
NO.	
NO.	
NO.	



**§ CURVE DATA**  
 E STA 16+30.52 TO  
 E STA 21+10.79  
 L= 480.267'  
 R= 750.00'  
 Δ= 36° 11' 22.9"  
 CHD= N 13° 21' 28.5" E 472.103'



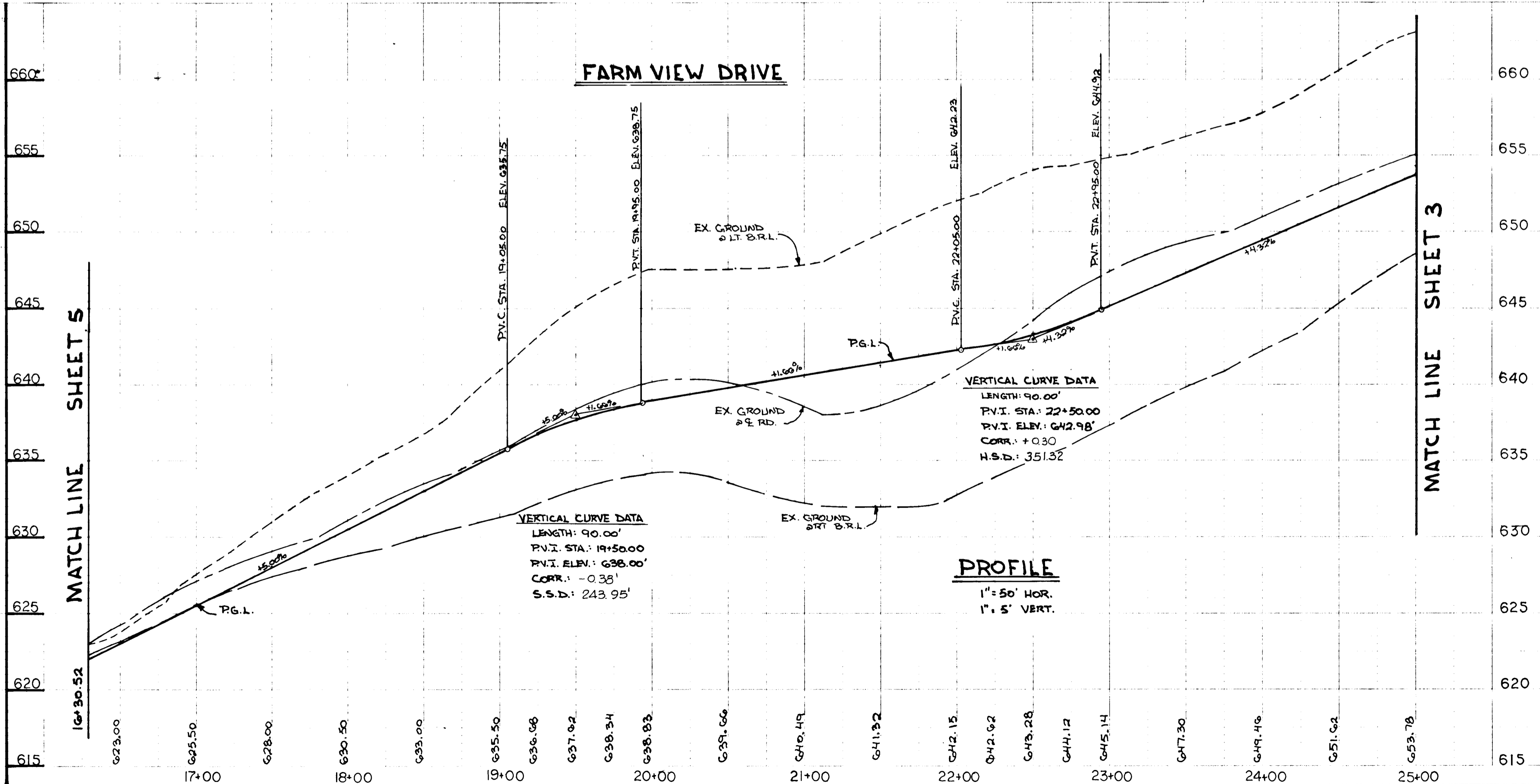
**TIMBERLEIGH HOMESTEADS**  
 LOTS 1-36  
 4TH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
**FARM VIEW DRIVE**  
**PLAN AND PROFILE**

OWNER AND DEVELOPER  
 WILLIAM B. AND PHYLLIS MARTIN  
 3268 MD. ROUTE 94  
 WOODBINE, MARYLAND 21797

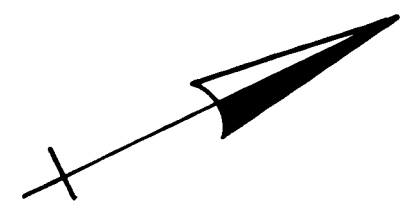
SCALE AS SHOWN DATE JAN. 29, 1990 SHEET NO. 4 OF 14  
 DR. Z. Y. FISCH DR. D. GROSS DR. C. J. CROVO

FISHER, COLLINS AND CARTER, INC.  
 CIVIL ENGINEERS AND LAND SURVEYORS  
 6388 COURT AVE. ELLENDSBORO, MARYLAND 21043

STATE OF MARYLAND  
 CHARLES J. CROVO SR.  
 9/6/89  
 DATE



1580



**CURVE DATA**  
 C. STA. 14+31.98 TO  
 C. STA. 14+32.05  
 R= 915.00'  
 L= 1300.067'  
 Δ= 81°24'29.0"  
 CHD. N 35°45'1.5" E 1192.438'

APPROVED  
 DEPARTMENT OF PUBLIC WORKS  
*Oliver M. Williams* 6/6/90  
 CHIEF, LAND DEVELOPMENT DIVISION  
*Francis W. Welwood* 4/30/90  
 CHIEF, BUREAU OF HIGHWAYS

APPROVED  
 DEPARTMENT OF PUBLIC WORKS  
*William B. Ray* 6-7-90  
 CHIEF, BUREAU OF HIGHWAYS

APPROVED  
 DEPARTMENT OF PLANNING AND ZONING  
*James V. Taylor* 4/27/90  
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

**TIMBERLEIGH HOMESTEADS**  
 LOTS 1-36  
 4TH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
**FOXMOOR DRIVE & FARMVIEW DRIVE**  
 PLAN AND PROFILE

OWNER AND DEVELOPER  
 WILLIAM B. AND PHYLLIS MARTIN  
 3268 MD. ROUTE 94  
 WOODBINE, MARYLAND 21797

SCALE AS SHOWN DATE: JAN. 29, 1989 DWG. NO. 5 OF 14  
 DES. Z. Y. FISCH DRN. D. GROSS CHK. C. J. CROVO

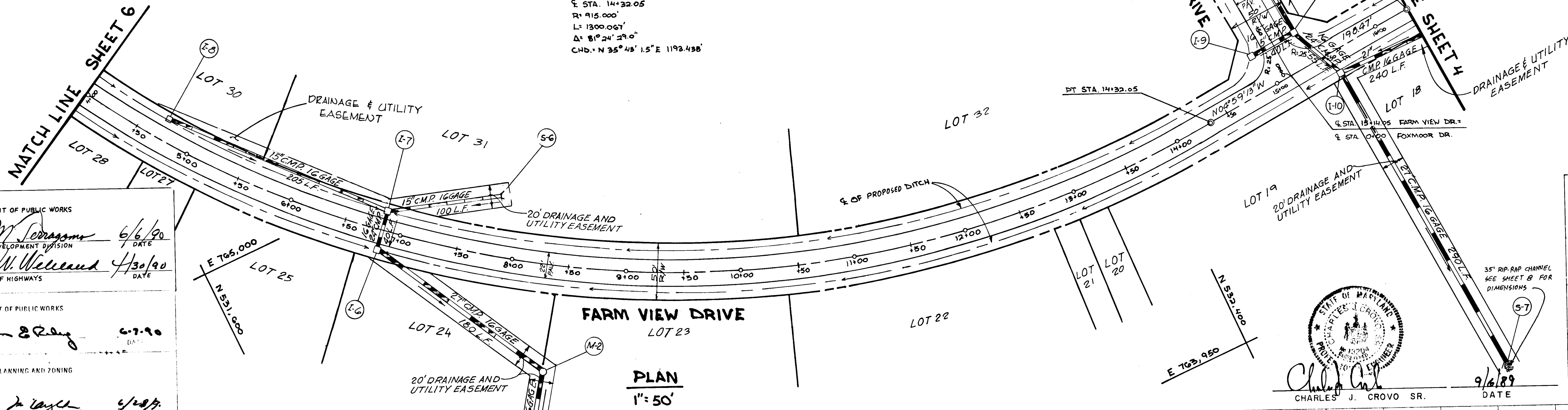
FISHER, COLLINS AND CARTER, INC.  
 CIVIL ENGINEERS AND LAND SURVEYORS  
 8388 COURT AVE. ELLICOTT CITY, MARYLAND 21043



MATCH LINE SHEET 6

MATCH LINE SHEET 6  
 FOXMOOR DRIVE

MATCH LINE SHEET 4



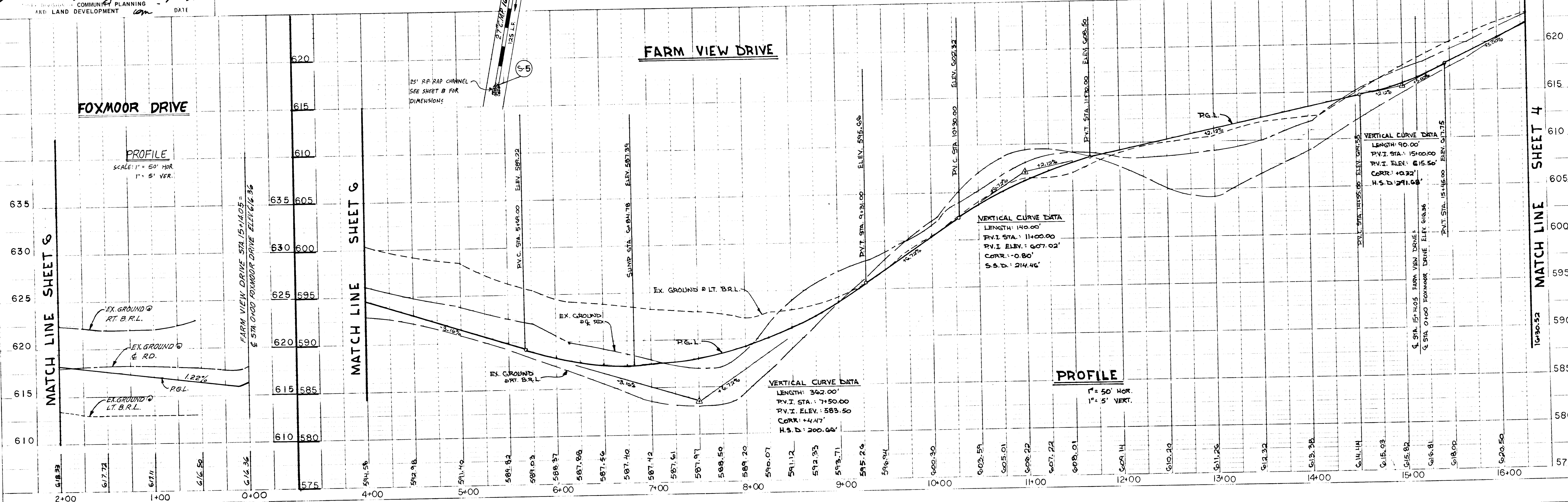
**PLAN**  
 1" = 50'

FOXMOOR DRIVE

FARM VIEW DRIVE

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

**PROFILE**  
 1" = 50' HOR.  
 1" = 5' VERT.



1580

F-90-50

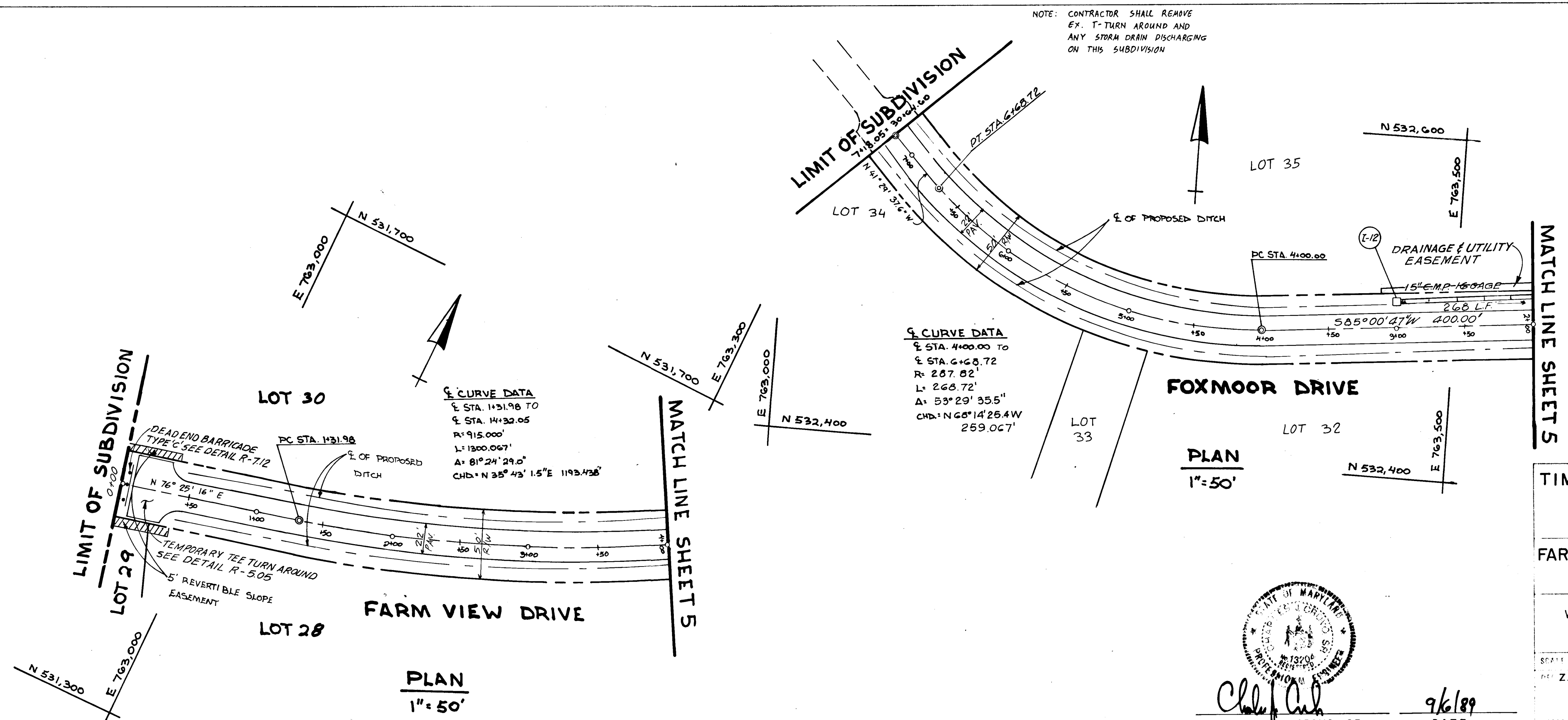
APPROVED DEPARTMENT OF PUBLIC WORKS  
 Chief, Land Development Division  
 6/6/90 DATE

Chief, Bureau of Highways  
 4/30/90 DATE

6-7-90

DEPARTMENT OF PUBLIC WORKS  
 COMMUNITY PLANNING AND LAND DEVELOPMENT

4/22/90



**TIMBERLEIGH HOMESTEADS**  
 LOTS 1-36  
 4TH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

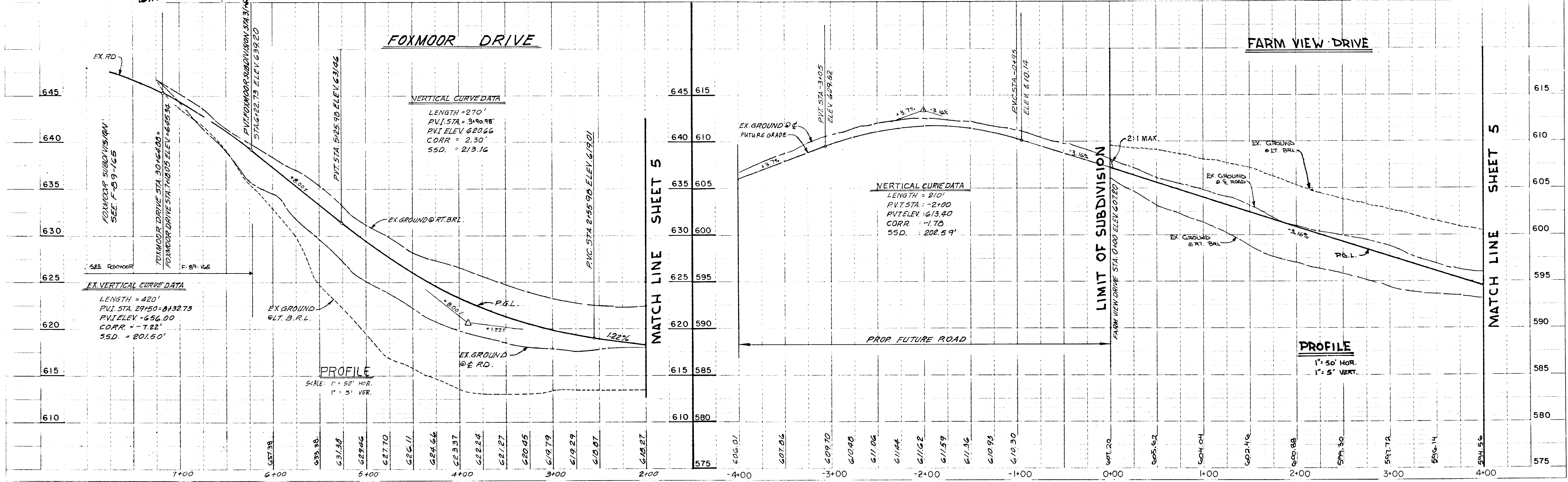
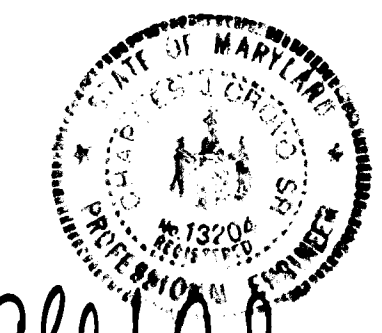
**FARM VIEW DR. AND FOXMOOR DR.  
 PLAN AND PROFILE**

OWNER AND DEVELOPER  
 WILLIAM B. AND PHYLLIS MARTIN  
 3268 MD. ROUTE 94  
 WOODBINE, MARYLAND 21797

SEAL AS SHOWN JAN. 29, 1990 INC. NO. 6 OF 14  
 Z.Y. FISCH D.GROSS C.J. CROVO

FISHER, COLLIER AND CARTER, INC.  
 8338 CAMDEN AVE. ELKTON, MD. 21921

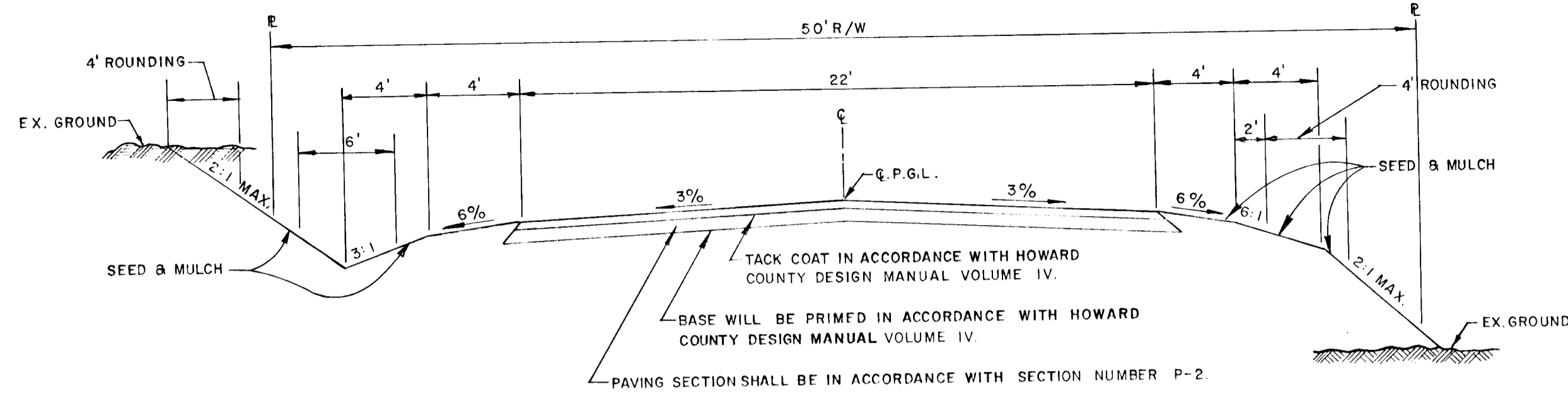
CHARLES J. CROVO SR. 9/6/89 DATE



1580

**FARM VIEW DRIVE, FOXMOOR DRIVE & MEADOWLAND DRIVE**

0+00-30+12.27 LOCAL RD. 30 M.P.H. ZONED 'R'  
 0+00-7+13.05 LOCAL RD. 30 M.P.H. ZONED 'R'  
 0+00-12+18.38 LOCAL RD. 30 M.P.H. ZONED 'R'



NOTE: ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL VOLUME IV. STANDARD SPECIFICATION AND DETAILS FOR CONSTRUCTION.

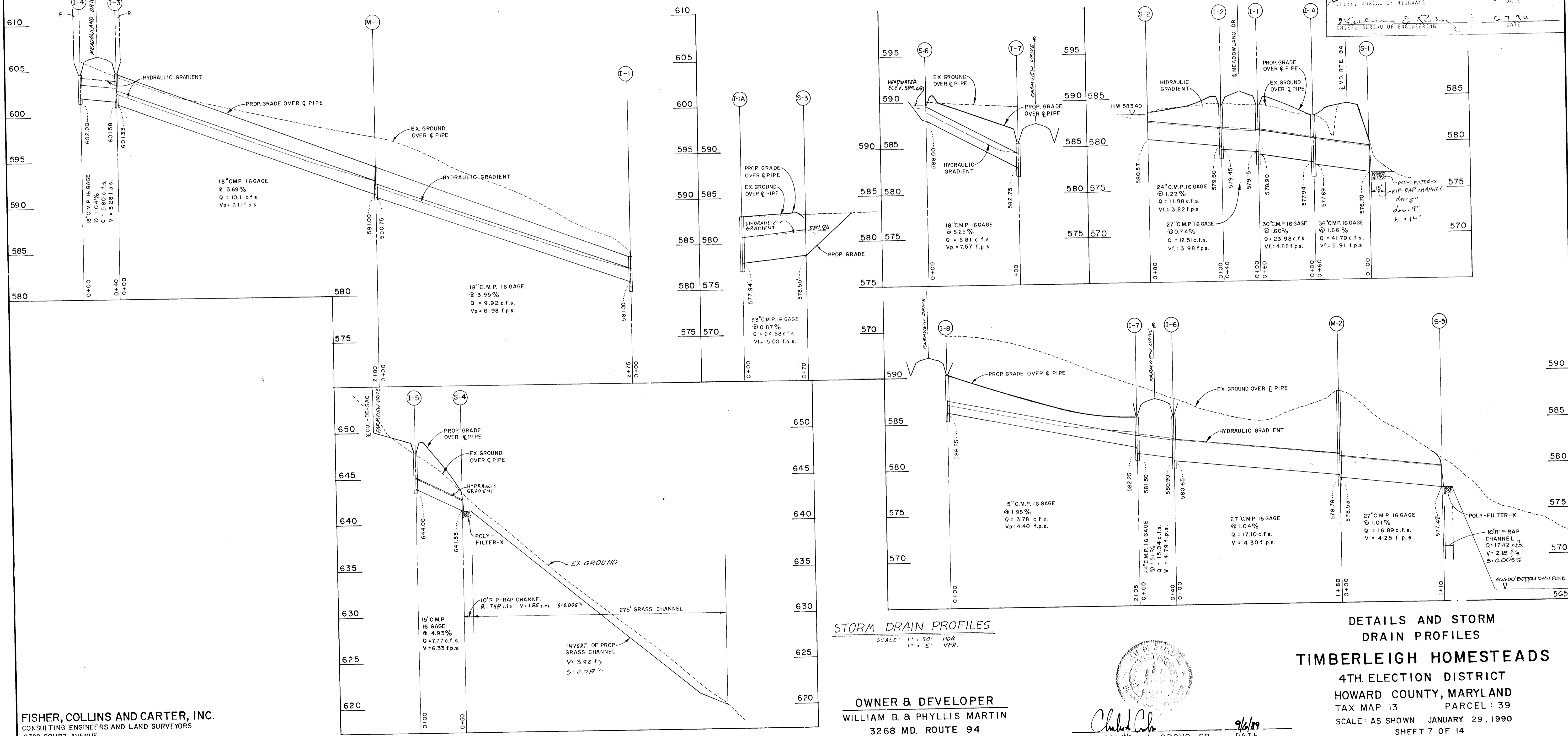
**TYPICAL ROADWAY SECTION**  
NO SCALE

**STANDARD 7" COMB. CONC. CURB & GUTTER**  
NOT TO SCALE

**PAVING SECTION P-2**  
NOT TO SCALE

**TYPICAL WIDENING SECTION ALONG MARYLAND ROUTE 94**  
NOT TO SCALE

APPROVED: DEPARTMENT OF PLANNING AND ZONING  
 Chief, Division of Community Planning and Land Development  
 APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 Chief, Bureau of Engineering  
 DATE: 6/10/90  
 DATE: 6/6/90  
 DATE: 4/30/90  
 DATE: 6/7/90



**STORM DRAIN PROFILES**  
SCALE: 1" = 50' HOR.  
1" = 5' VER.

**DETAILS AND STORM DRAIN PROFILES**

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

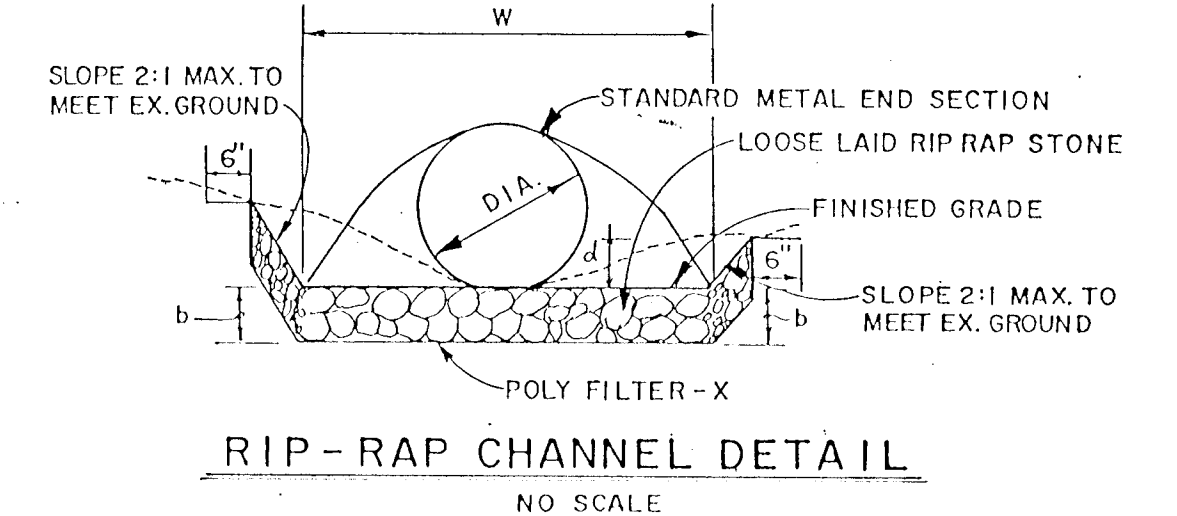
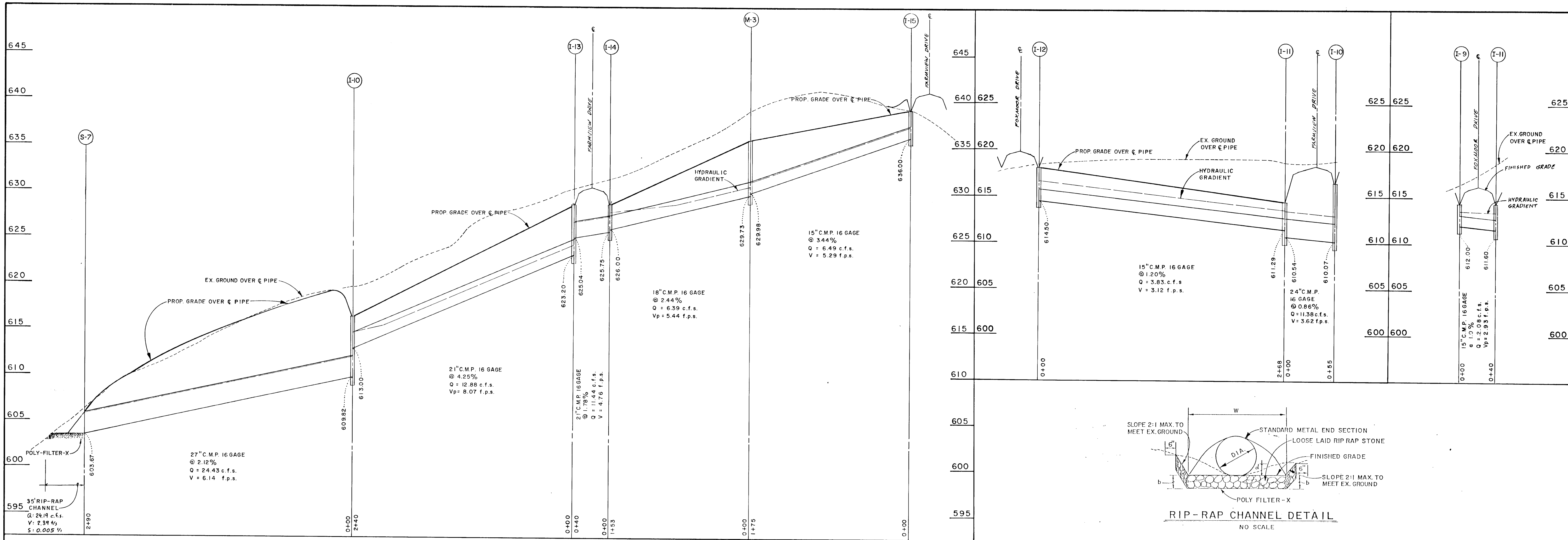
OWNER & DEVELOPER  
 WILLIAM B. & PHYLLIS MARTIN  
 3268 MD. ROUTE 94  
 WOODBINE, MD. 21797

CHARLES J. CROVO SR.  
 DATE: 9/6/89

TIMBERLEIGH HOMESTEADS  
 4TH. ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 TAX MAP 13 PARCEL: 39  
 SCALE: AS SHOWN JANUARY 29, 1990  
 SHEET 7 OF 14

1580

F-90-50



STRUCTURE SCHEDULE						
STRUCT.	TYPE	INV. IN.	INV. OUT.	TOP ELEV.	STATION	REMARKS
I-1	'K' INLET	579.15	578.90	583.76	0+70 RT. MEADOWLAND DR.	S.D.-4.12
I-1A	'K' INLET	577.94	577.69	583.00	70' RT. OF STA 0+37	MO. -378.05
I-2	'K' INLET	579.60	579.45	583.76	MEADOWLAND DR. 0+70 LT.	S.D.-4.23
I-3	'K' INLET	601.58	601.33	604.66	MEADOWLAND DR. 6+25 RT.	S.D.-4.12
I-4	'K' INLET	-----	602.00	604.66	MEADOWLAND DR. 6+25 LT.	S.D.-4.12
I-5	'K' INLET	-----	644.00	647.33	MEADOWLAND DR. L.P. STA. 1+87.5 RT.	S.D.-4.12
I-6	'K' INLET	580.90	580.65	585.49	FARMVIEW DR. 6+84.78 RT.	S.D.-4.12
I-7	'K' INLET	582.75	581.50	585.49	FARMVIEW DR. 6+84.78 LT.	S.D.-4.12
I-8	'K' INLET	-----	586.25	590.44	FARMVIEW DR. 4+70 LT.	S.D.-4.12
I-9	'K' INLET	-----	612.00	614.39	FARMVIEW DR. 0+33 LT.	S.D.-4.12
I-10	'K' INLET	613.00	609.82	616.10	FOXMOOR DR. 15+50 RT.	S.D.-4.12
I-11	'K' INLET	611.60	610.54	614.39	FARMVIEW DR. 0+33 RT.	S.D.-4.12
I-12	'K' INLET	-----	614.50	617.89	FOXMOOR DR. 3+00 RT.	S.D.-4.12
I-13	'K' INLET	625.04	623.20	628.60	FOXMOOR DR. 18+00 LT.	S.D.-4.12
I-14	'K' INLET	626.00	625.75	628.60	FARMVIEW DR. 21+20 LT.	S.D.-4.12
I-15	'K' INLET	-----	636.00	638.92	FARMVIEW DR. 21+20 LT.	S.D.-4.12
M-1	STD. MANHOLE	591.00	590.75	593.72	3+45 RT. MEADOWLAND DR.	G-5.01
M-2	STD. MANHOLE	578.78	578.53	588.00	SEE PLAN	G-5.01
M-3	STD. MANHOLE	629.98	629.73	635.68	19+48 LT.	G-5.01
S-1	METAL END SECTION	-----	576.70	579.70	SEE PLAN	S.D.-5.61
S-2	METAL END SECTION	580.57	-----	582.57	100' LT. OF ESTA. 0+66	S.D.-5.61
S-3	METAL END SECTION	578.55	-----	581.30	MEADOWLAND DR. 126' RT. OF ESTA. 0+32	S.D.-5.61
S-4	METAL END SECTION	-----	641.53	642.78	MEADOWLAND DR. 50' S/E OF I-5	S.D.-5.61
S-5	METAL END SECTION	-----	577.42	579.67	ALONG LOT LINE LOTS 23-24 192' FROM R/W	S.D.-5.61
S-6	METAL END SECTION	588.00	-----	590.65	43' LT. OF E STA. 7+80	S.D.-5.61
S-7	METAL END SECTION	-----	603.67	605.92	FARMVIEW DR. 310' RT. OF E STA. 15+50	S.D.-5.61

- CONSTRUCTION SEQUENCE**
- OBTAIN GRADING PERMIT.
  - INSTALL S-2 TO S-1 AND S-3 TO I-1A.
  - CONSTRUCT STONE CONSTRUCTION ENTRANCE.
  - CONSTRUCT STONE OUTLET AND RIP-RAP OUTLET SEDIMENT TRAPS.
  - INSTALL TEMPORARY SWALE AS SHOWN ON SHEET 9 OF 13.
  - CONSTRUCT S.W.M. POND.
  - INSTALL SILT FENCE AND EARTH DIKES AS SHOWN ON SHEETS 9 - 12.
  - CLEAR MEADOWLAND DRIVE, FARMVIEW DRIVE AND FOXMOOR DRIVE TO SUBGRADE.
  - CONSTRUCT STORM DRAIN SYSTEM FROM I-4 TO I-1, I-5 TO S-4, I-15 TO S-7, I-8 TO S-5 AND S-6 TO I-7.
  - BLOCK I-13 TO I-10, I-10 TO S-7 AND INSTALL TEMPORARY PIPES TO DISCHARGE TO TRAPS.
  - INSTALL SWALE INLET PROTECTION AT I-1, I-2, I-3, I-4, I-5, I-6, I-7, I-8 I-9, I-10, I-11, I-12, I-13, I-14, I-15, AND I-1A.
  - GRADE SCOPE AREAS BETWEEN EXISTING GROUND AND EDGE OF PAVING.
  - REMOVE STONE CONSTRUCTION ENTRANCE.
  - INSTALL S.H.A. PAVING SECTION AND CONCRETE CURB AND CUTTERS, AS SHOWN ON SHEET 2 OF 13.
  - REMOVE TEMPORARY PIPES AND REOPEN BLOCKED PIPES.
  - CLEAN BASE COURSE, APPLY TACK COAT TO BASE COURSE AND LAY SURFACE COURSE. STABILIZE ALL AREAS USING PERMANENT SEEDING.
  - REMOVE STONE OUTLET AND RIP-RAP OUTLET SEDIMENT TRAPS ONCE DISTURBED AREAS HAVE BEEN STABILIZED.
  - INSTALL RIP-RAP AT OUTFALLS AS SHOWN ON PLAN.
  - ALL DISTURBED AREAS DUE TO REMOVAL OF SEDIMENT CONTROL MEASURES SHALL BE GRADED AND STABILIZED BY PERMANENT SEEDING.
  - FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: a) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, SWALES, DITCH PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1, b) 14 DAYS FOR ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
  - NOTIFY HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS FOR FINAL INSPECTION AT DURATION OF PROJECT.

RIP-RAP CHANNEL DESIGN DATA														
STRUCTURE	A <sup>+</sup>	P.F.	R	R <sup>2</sup> /3	S%	S <sup>1/2</sup>	n	Q c.f.g.	V f.p.s.	d ft.	W ft.	RIP-RAP SIZE		
												d 50	d MAX	
S-1	15.68	14.71	1.07	1.05	0.5%	0.0707	0.04	43.28	2.76	1.39	8.5	6"	9"	14"
S-4	4.31	7.32	0.59	0.7035	0.5%	0.0707	0.04	7.96	1.85	0.81	3.70	4"	6"	9"
S-5	7.99	10.69	0.75	0.83	0.5%	0.0707	0.04	17.42	2.18	0.96	6.4	6"	9"	14"
S-7	10.12	11.64	0.87	0.91	0.5%	0.0707	0.04	24.19	2.39	1.16	6.5	6"	9"	14"

APPROVED: \_\_\_\_\_ PLANNING AND ZONING  
*David J. Campbell* 6/20/90  
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT  
 APPROVED: \_\_\_\_\_ HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*Chas. M. Longman* 6/4/90  
 CHIEF, LAND DEVELOPMENT DIVISION  
*Francis W. W. W. W.* 4/30/90  
 CHIEF, BUREAU OF HIGHWAYS  
 APPROVED: \_\_\_\_\_ CHIEF, BUREAU OF ENGINEERING

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

OWNER & DEVELOPER  
 WILLIAM B. & PHYLLIS MARTIN  
 3268 MD. ROUTE 94  
 WOODBINE, MD. 21797

*Charles Crovo Sr.* 9/6/89  
 CHARLES CROVO SR. DATE

DETAILS AND STORM DRAIN PROFILES  
 TIMBERLEIGH HOMESTEADS  
 4TH. ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 TAX MAP 13 PARCEL: 39  
 SCALE: AS SHOWN JANUARY 29, 1990  
 SHEET 8 OF 14



**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.

DATE: 9/6/90  
 SIGNATURE OF ENGINEER: *Charles J. Crovo*

**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 TO DETERMINE NECESSARY CORRECTIVE ACTION.

DATE: March 20 '90  
 SIGNATURE OF DEVELOPER: *William B. Martin*

DATE: 3/27/90  
 SIGNATURE OF DEVELOPER: *Phyllis Martin*

DATE: 3/27/90  
 SIGNATURE OF DEVELOPER: *Robert Ziehm*

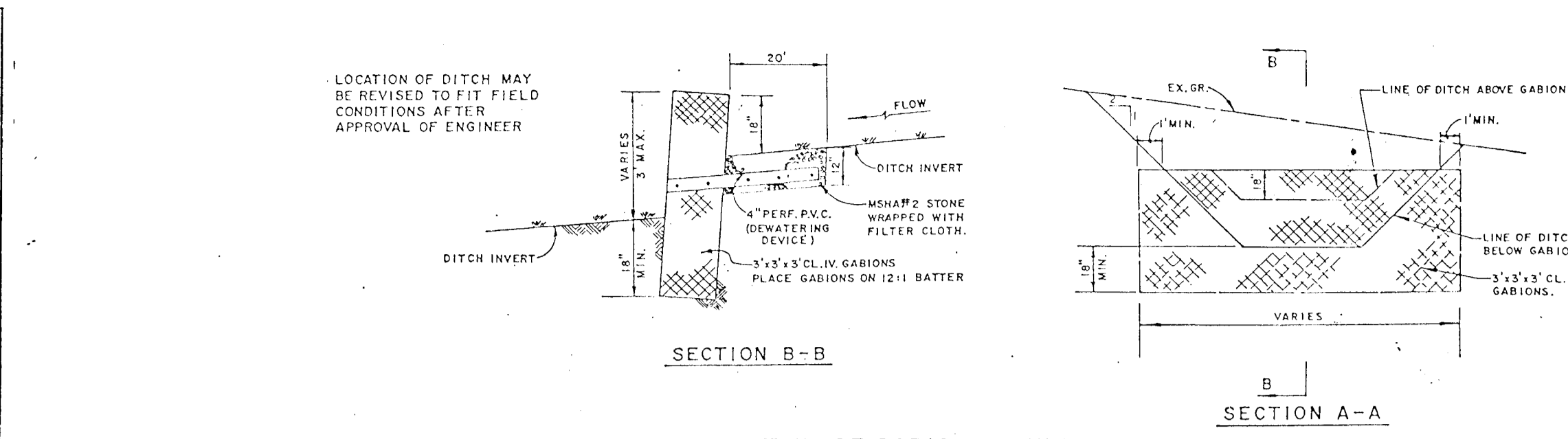
DATE: 6/6/90  
 SIGNATURE OF DEVELOPER: *Charles J. Crovo*

APPROVED: DEPT. OF PLANNING AND ZONING  
 DATE: 6/6/90

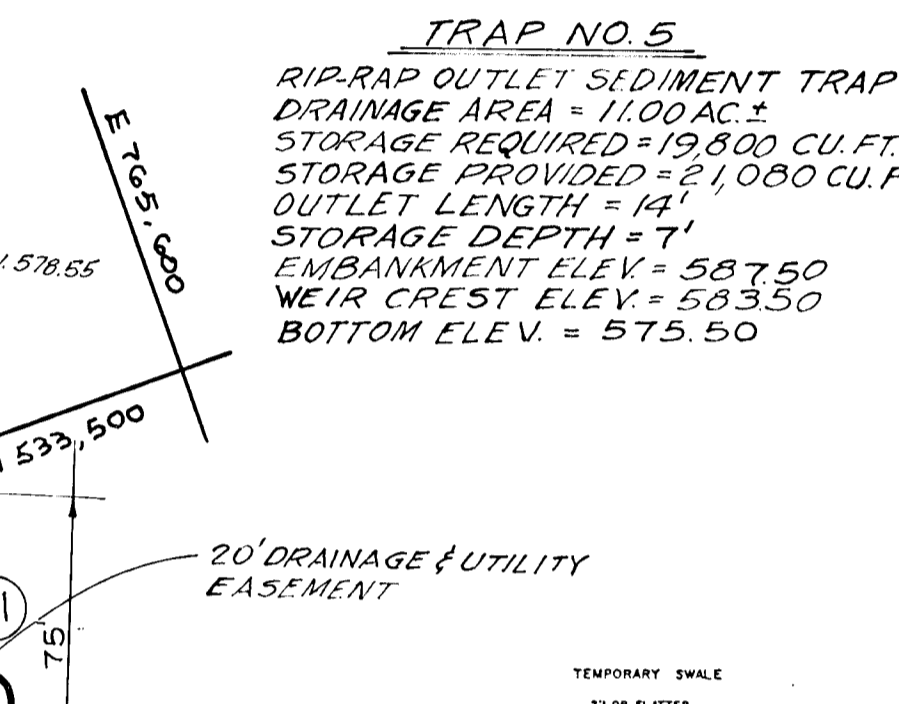
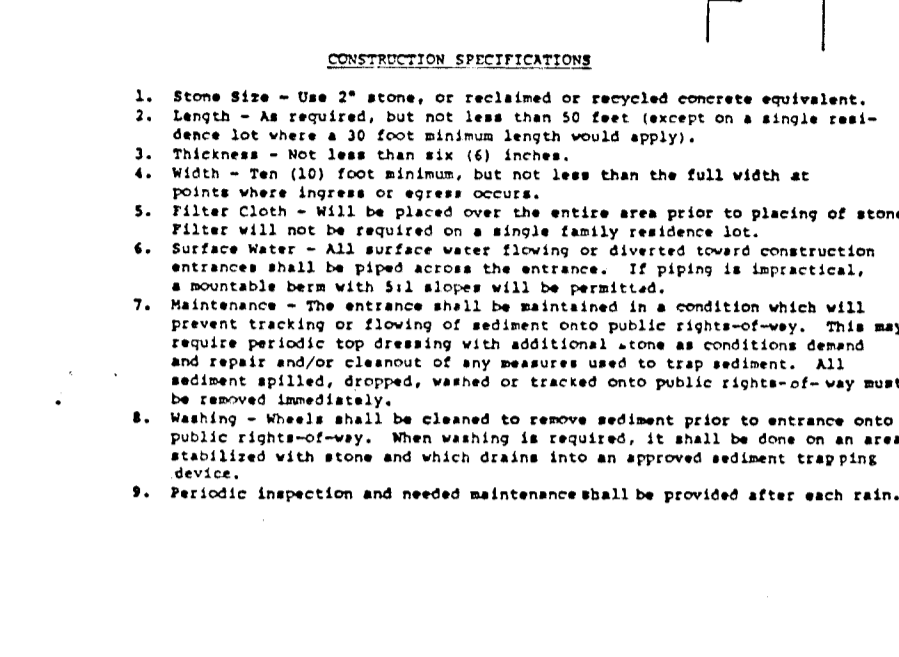
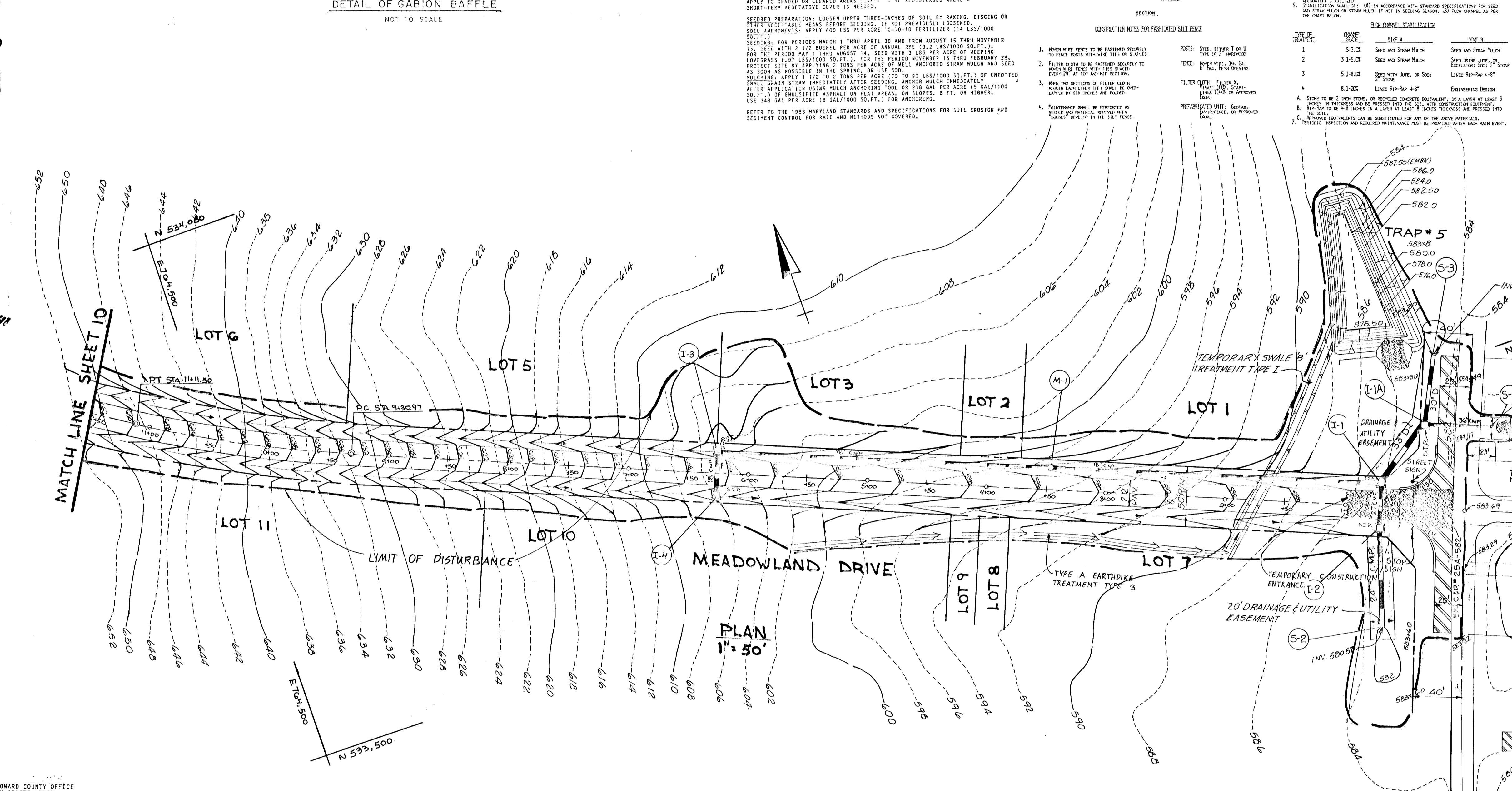
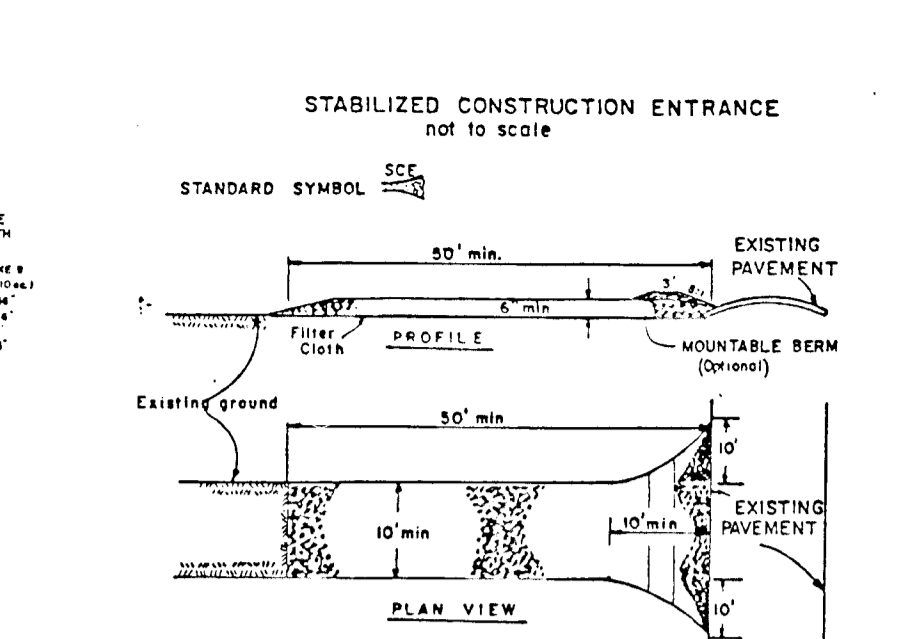
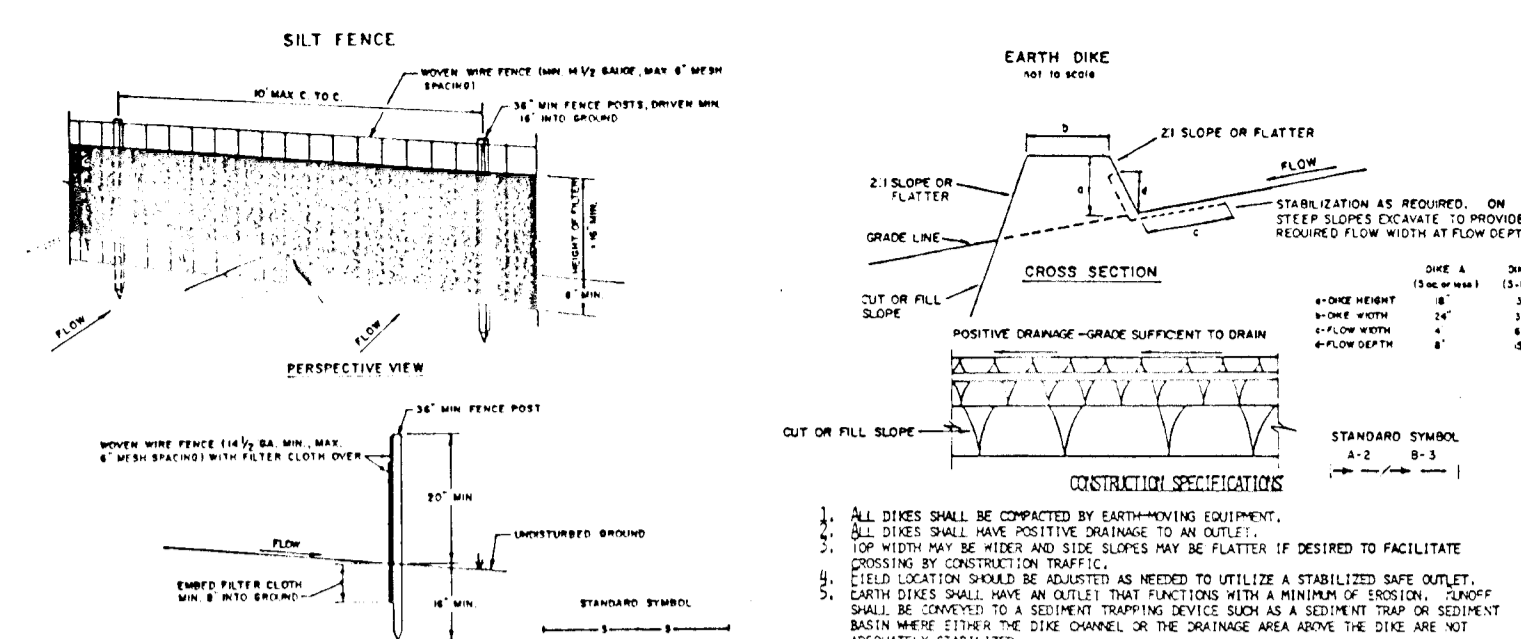
APPROVED: DEPARTMENT OF PUBLIC WORKS  
 DATE: 6/6/90

APPROVED: DEPARTMENT OF PUBLIC WORKS  
 DATE: 6/6/90

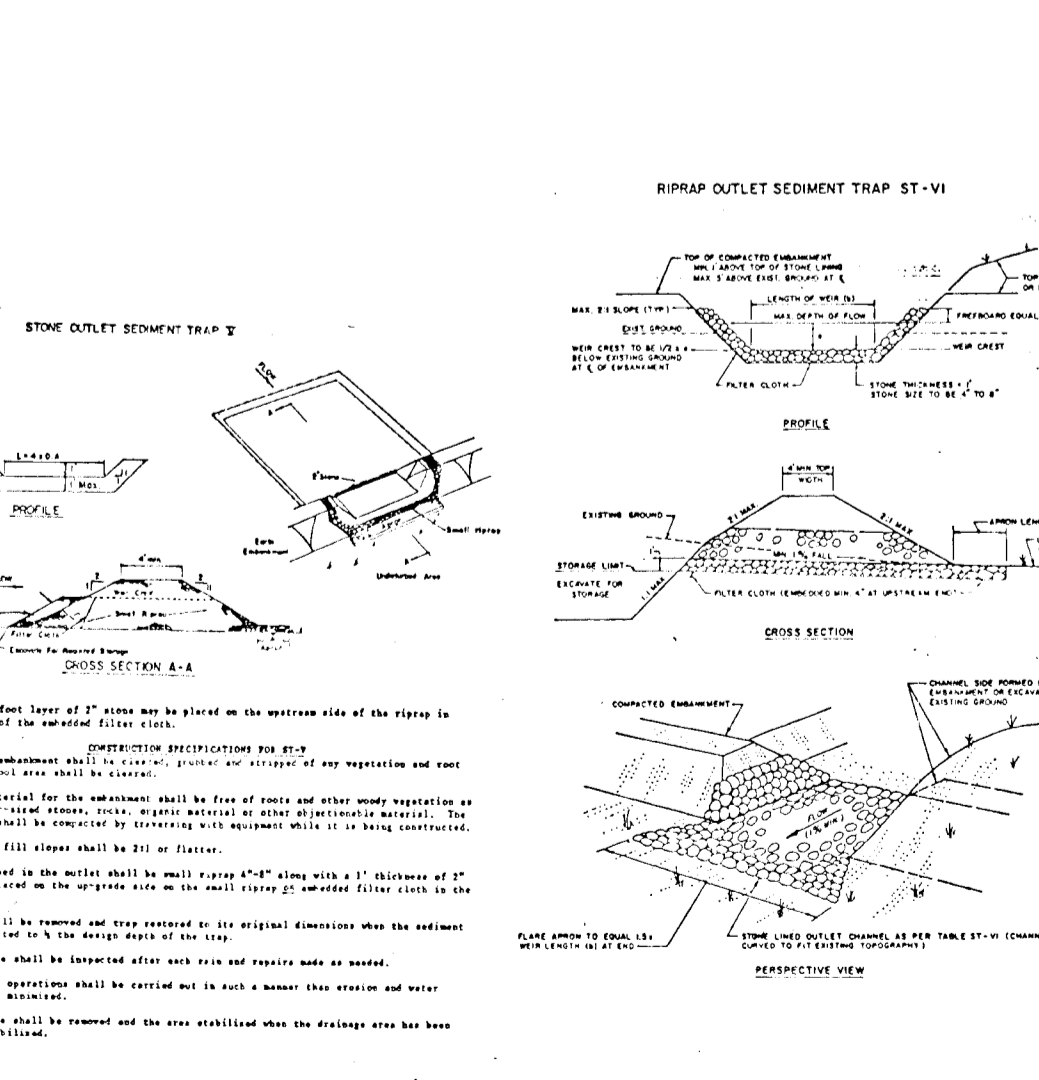
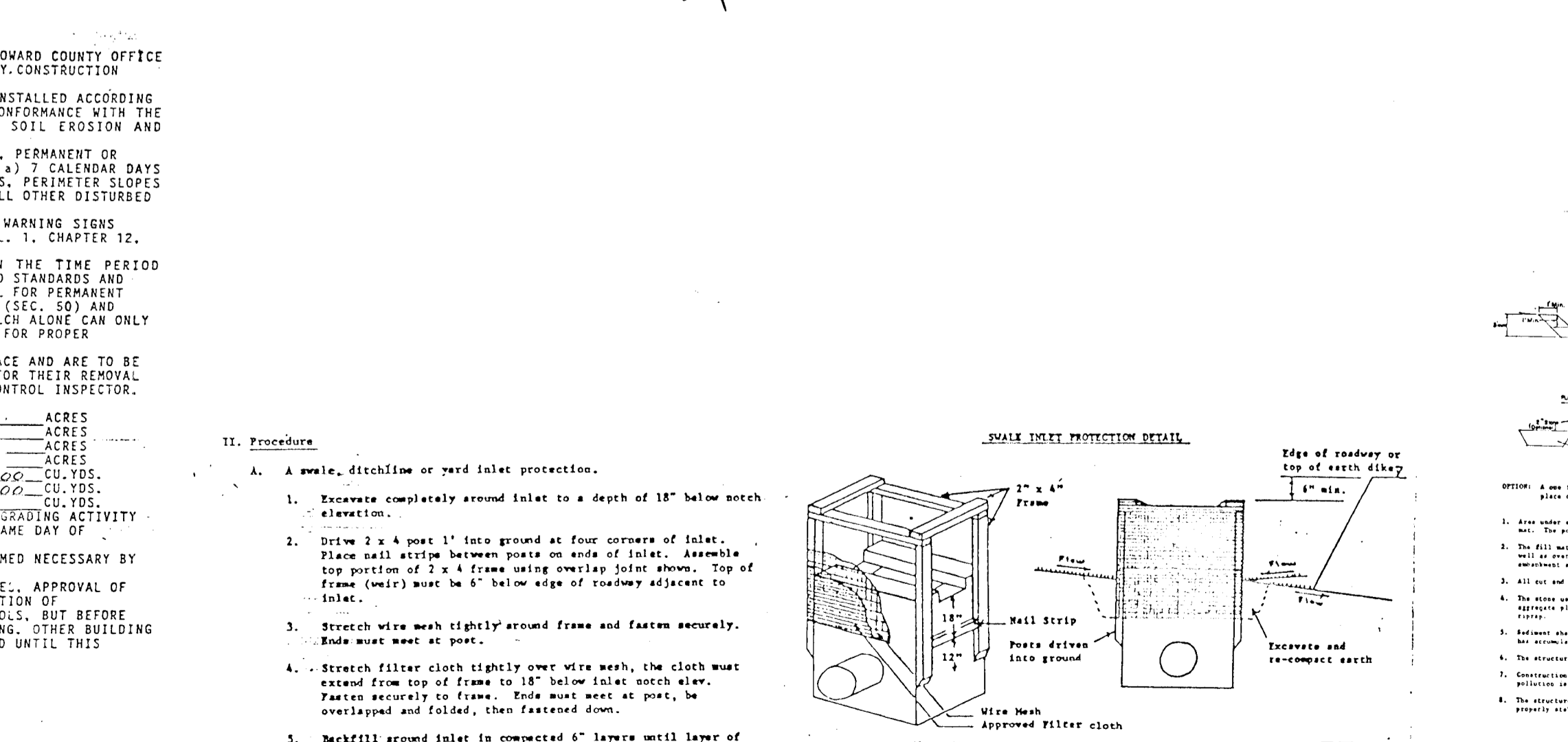
APPROVED: DEPARTMENT OF PUBLIC WORKS  
 DATE: 6/6/90



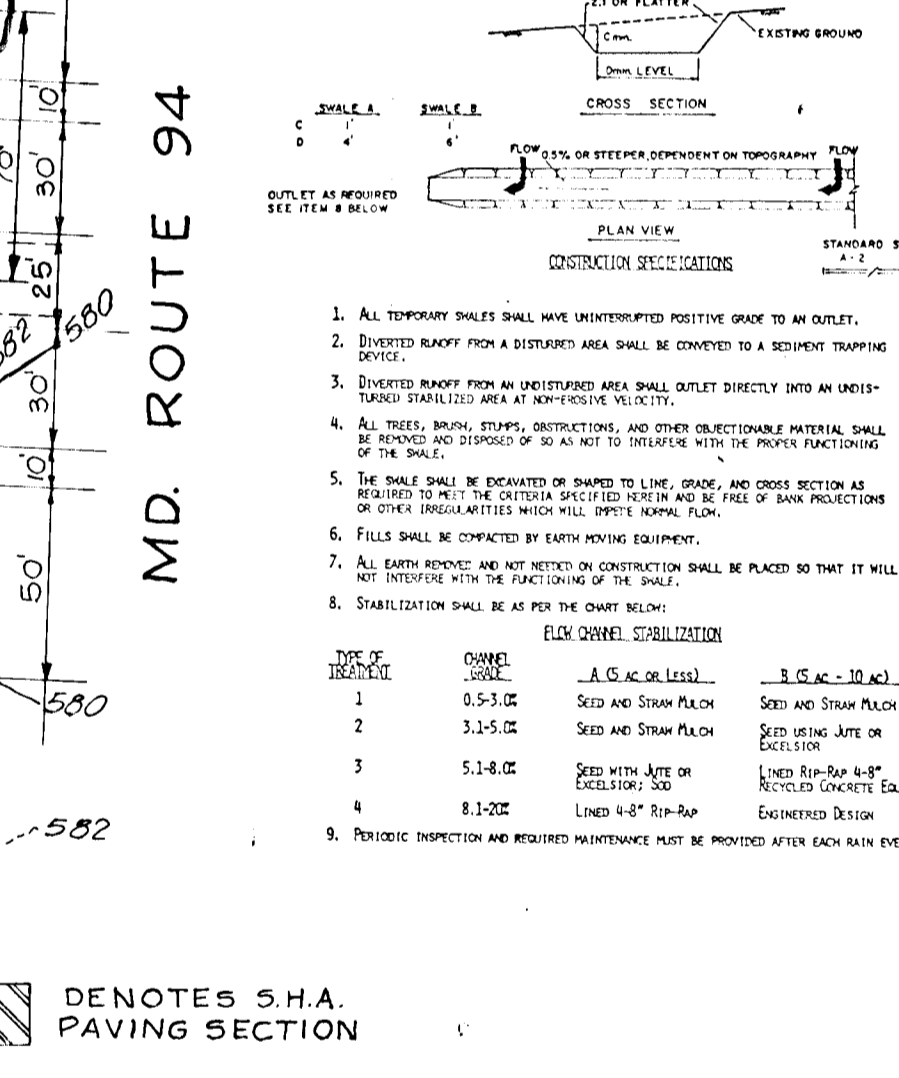
**PERMANENT SEEDING NOTES:**  
 APPLY TO GRADED OR CLEARED AREA IMMEDIATELY AFTER DISTURBANCE. SEEDING SHALL BE ACCORDING TO THE FOLLOWING RECOMMENDATIONS:  
 1) SEEDING PREPARATION: LOOSEN UPPER THREE-INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING. IF NOT PREVIOUSLY LOOSENED, SEEDING SHALL BE ACCORDING TO THE FOLLOWING RECOMMENDATIONS:  
 2) SEEDING: 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.  
 3) SEEDING: 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.  
 4) SEEDING: 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.



**SEDIMENT CONTROL NOTES:**  
 1) 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.  
 2) 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.  
 3) FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: a) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, BARRIERS, PERIMETER SLOPES OR GRADED AREAS ON THE PROJECT SITE.  
 4) ALL SEDIMENT TRAPS/BASINS SHALL BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.  
 5) 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 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.  
 6) 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.  
 7) SITE ANALYSIS:



**CONSTRUCTION SPECIFICATIONS FOR TRAP # 5:**  
 1. The area under the trap shall be cleared, grubbed and stripped of any vegetation and top soil. The trap area shall be cleared.  
 2. The fill material for the trap shall be free of roots or other woody obstructions. The material shall be compacted by tamping with equipment within 12 hours of construction. Maximum height of the embankment shall be five (5) feet, measured at crestline of embankment.  
 3. All fill shall be placed in 12 inch lifts on slopes 1:1 or flatter.  
 4. Elevation of the top of the embankment directing water trap must equal or exceed the height of embankment.  
 5. Storage area provided shall be figured by computing the volume available below the crestline of the embankment on an elevation of one (1) foot below the level of the crest.  
 6. Riprap shall be placed on the bottom and sides of the outlet channel prior to placement of stone. Riprap shall be placed at the outlet channel and shall be placed in a 12 inch thick layer of two (2) inch or finer aggregate shall be placed on the upstream face of the outlet.  
 7. Stone used in the outlet channel shall be four (4) to eight (8) inches (circles). To provide a filtering effect, a layer of filter cloth shall be installed one (1) foot back from the crestline of the embankment and one (1) foot from the crestline of the embankment.  
 8. Riprap shall be removed and replaced to its original elevation when the sediment has accumulated to 1/2 the design depth of the trap. Riprap shall be replaced in a 12 inch thick layer of two (2) inch or finer aggregate shall be placed on the upstream face of the outlet.  
 9. The structure shall be inspected after each rain event and any erosion and water pollution are minimized.  
 10. Construction operations shall be carried out in such a manner that erosion and water pollution are minimized.  
 11. The structure shall be inspected after each rain event and the area stabilized when the drainage area has been properly stabilized.  
 12. Drainage area for this structure is limited to 25 acres or less.



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

OWNER & DEVELOPER  
 WILLIAM B. & PHYLLIS MARTIN  
 3268 MD. ROUTE 94  
 WOODBINE, MD. 21797

GRADING AND SEDIMENT CONTROL  
 TIMBERLEIGH HOMESTEADS  
 4TH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 TAX MAP 13 PARCEL: 39  
 SCALE: AS SHOWN JANUARY 29, 1990  
 SHEET 9 OF 14

DATE: 9/6/90  
 SIGNATURE OF ENGINEER: *Charles J. Crovo*  
 CHARLES J. CROVO SR.

DATE: 9/6/90  
 SIGNATURE OF DEVELOPER: *William B. Martin*  
 WILLIAM B. MARTIN

**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 V. Crovo Sr.* 9/6/89  
 SIGNATURE OF ENGINEER 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 AT ANY TIME NECESSARY."

*William B. & Phyllis Martin* 3/20/90  
 SIGNATURE OF DEVELOPER DATE

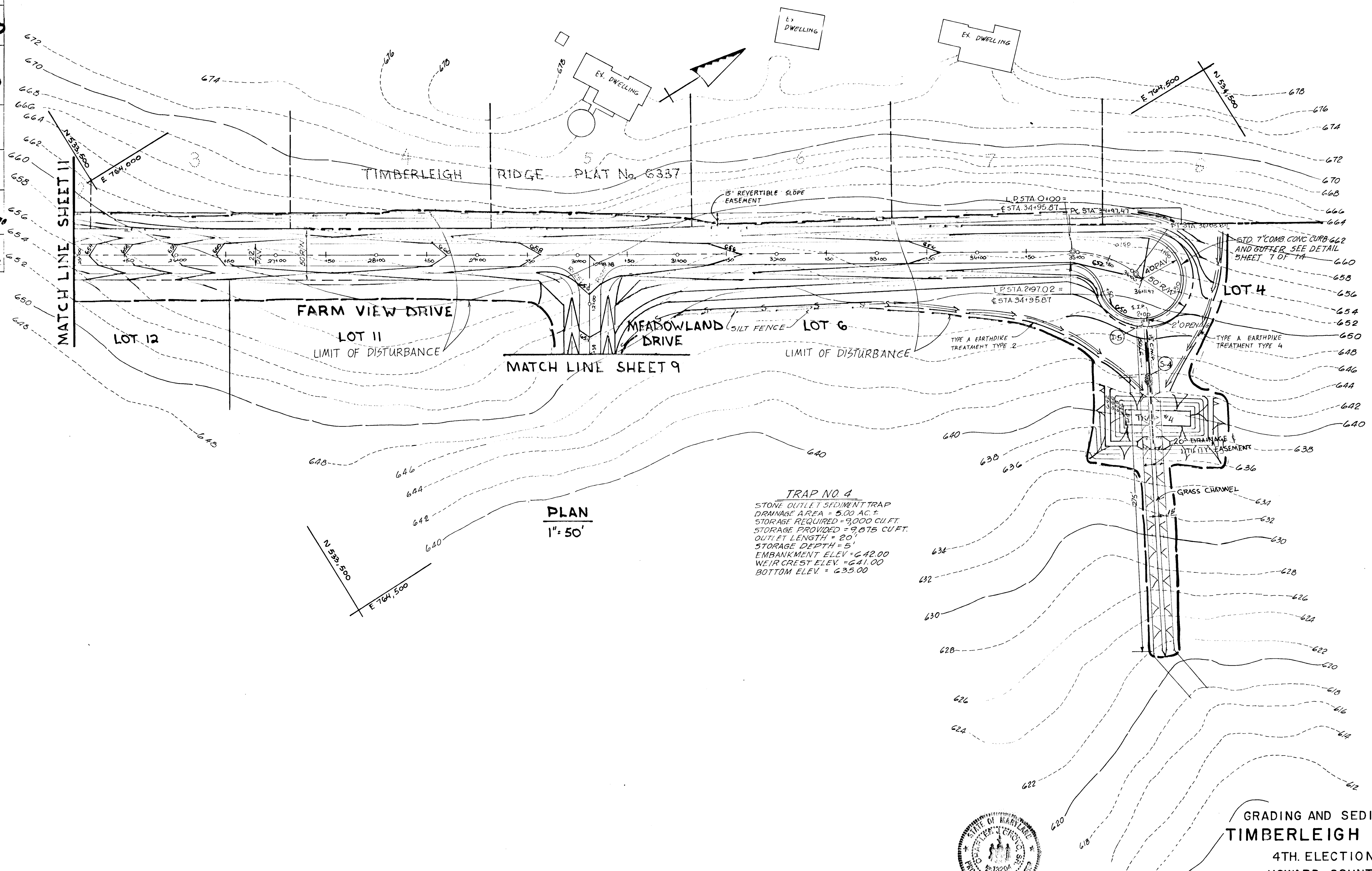
REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS  
*John W. Zelman* 3/27/90  
 DISTRICT ENGINEER DATE

THE DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*John W. Zelman* 3/27/90  
 DISTRICT ENGINEER DATE

APPROVED: DEPT. OF PLANNING AND ZONING  
*James J. Taylor* 6/20/89  
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

APPROVED: DEPARTMENT OF PUBLIC WORKS  
*Franklin W. Woodard* 4/29/90  
 CHIEF, BUREAU OF HIGHWAYS DATE

APPROVED: DEPARTMENT OF PUBLIC WORKS  
*Alan M. Tenigam* 6/6/90  
 CHIEF, LAND DEVELOPMENT DIVISION DATE



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

**OWNER & DEVELOPER**  
 WILLIAM B. & PHYLLIS MARTIN  
 3268 MD. ROUTE 94  
 WOODBINE, MD. 21797



*Charles V. Crovo Sr.* 9/6/89  
 CHARLES V. CROVO SR. DATE

**GRADING AND SEDIMENT CONTROL**  
**TIMBERLEIGH HOMESTEADS**  
 4TH. ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 TAX MAP 13 PARCEL: 39  
 SCALE: AS SHOWN JANUARY 29, 1990  
 SHEET 10 OF 14

1580

**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 J. Crovo* 9/6/89  
 SIGNATURE OF ENGINEER 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 AUTHORITY AS DEEMED NECESSARY."

*William B. & Phyllis Martin* 9/6/90  
 SIGNATURE OF DEVELOPER DATE

RECOMMENDED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

*Robert W. Zelman* 3/27/90  
 DISTRICT ENGINEER DATE

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

*Robert W. Zelman* 3/27/90  
 DISTRICT ENGINEER DATE

APPROVED: DEPT. OF PLANNING AND ZONING

*David V. Langer* 9/2/89  
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

APPROVED: DEPARTMENT OF PUBLIC WORKS

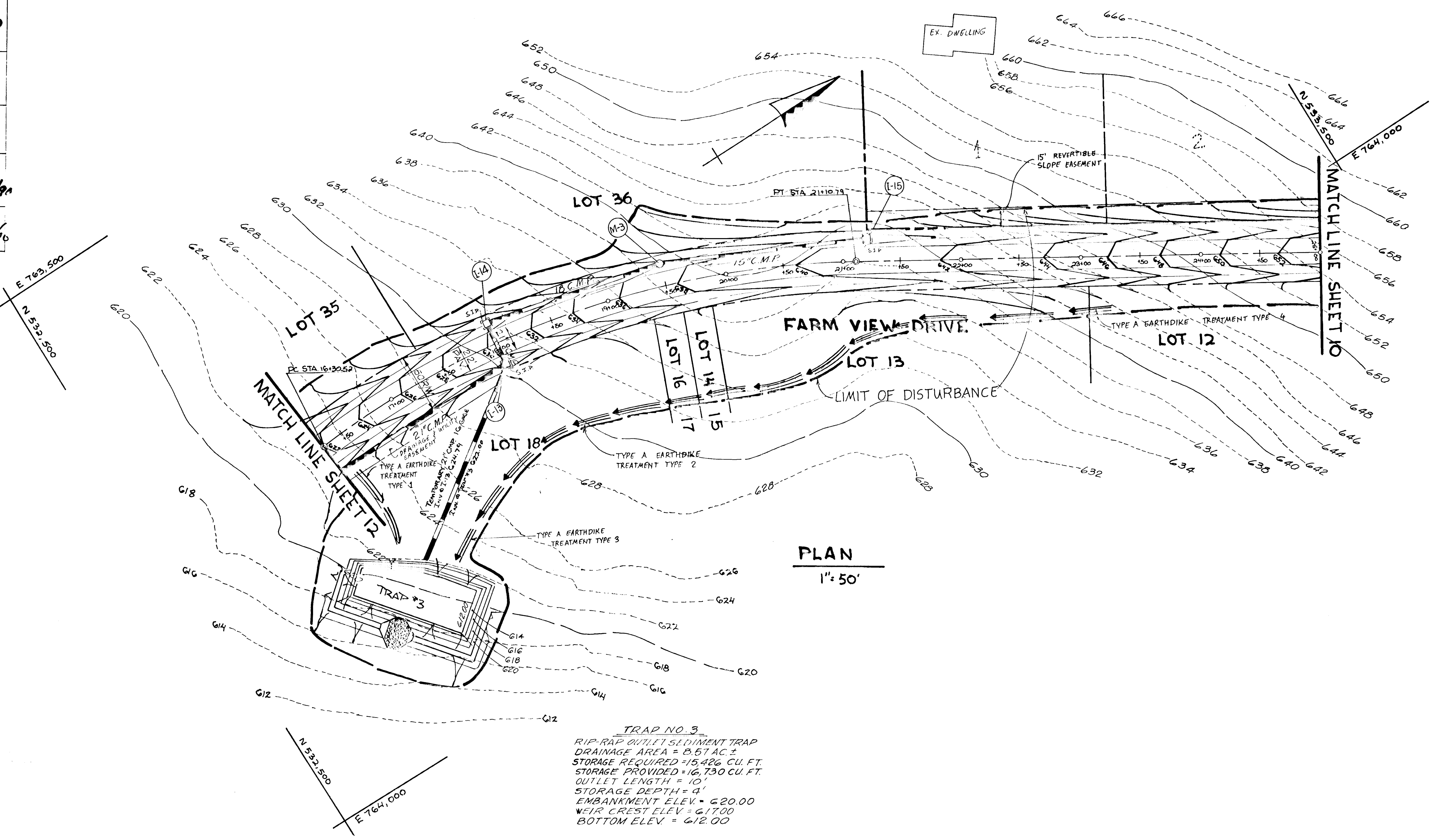
*William B. & Phyllis Martin* 9/20  
 CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: DEPARTMENT OF PUBLIC WORKS

*William B. & Phyllis Martin* 4/13/90  
 CHIEF, BUREAU OF HIGHWAYS DATE

APPROVED: DEPARTMENT OF PUBLIC WORKS

*Edna M. Terzaghi* 6/6/90  
 CHIEF, LAND DEVELOPMENT DIVISION DATE



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

OWNER & DEVELOPER  
 WILLIAM B. & PHYLLIS MARTIN  
 3268 MD. ROUTE 94  
 WOODBINE, MD. 21797

*Charles J. Crovo* 9/6/89  
 CHARLES J. CROVO SR. DATE

GRADING AND SEDIMENT CONTROL  
**TIMBERLEIGH HOMESTEADS**  
 4TH. ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 TAX MAP 13 PARCEL : 39  
 SCALE : AS SHOWN JANUARY 29, 1990  
 SHEET II OF 14

1580

1580

**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 J. Crovo* 9/6/89  
 SIGNATURE OF ENGINEER 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 APPOINTED AGENCIES AS DEEMED NECESSARY.

*William B. Martin* 3/27/90  
 SIGNATURE OF DEVELOPER DATE

REVISED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT TECHNICAL REQUIREMENTS  
*John P. Zichner* 3/27/90  
 DISTRICT ENGINEER DATE

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
 APPROVED: *John P. Zichner* 3/27/90  
 DISTRICT ENGINEER DATE  
 HOWARD SOIL CONSERVATION DISTRICT

APPROVED: DEPT. OF PLANNING AND ZONING  
*Frank W. Jones* 9/22/89  
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

APPROVED: DEPARTMENT OF PUBLIC WORKS  
*C. J. Crovo* 9/29/89  
 CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: DEPARTMENT OF PUBLIC WORKS  
*Francis W. Whitland* 10/9/89  
 CHIEF, BUREAU OF HIGHWAYS DATE

APPROVED: DEPARTMENT OF PUBLIC WORKS  
*Alan M. Simpson* 6/6/90  
 CHIEF, LAND DEVELOPMENT DIVISION DATE

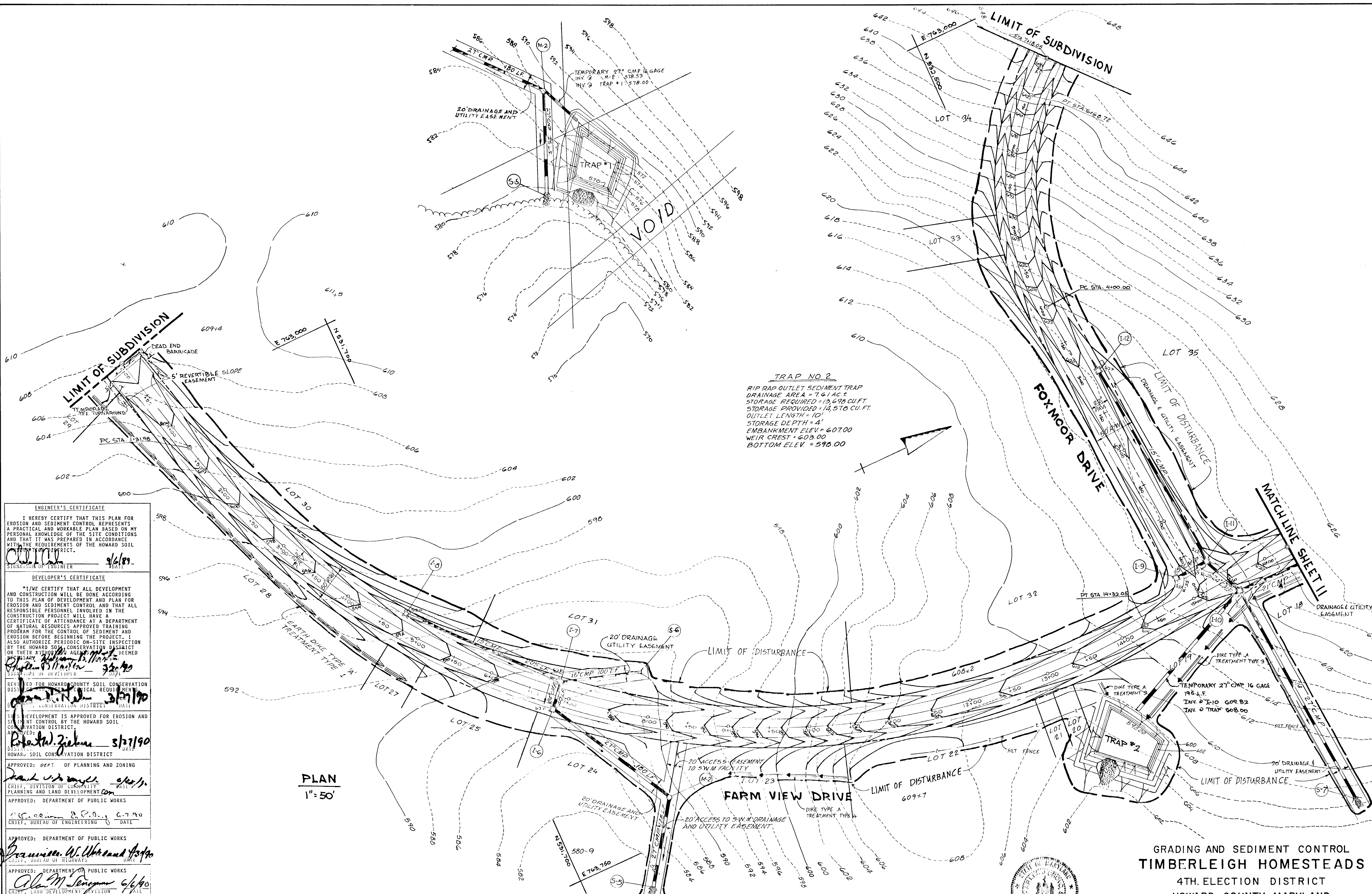
PLAN  
1" = 50'

FISHER, COLLINS AND CARTER, INC.  
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 ELLICOTT CITY, MARYLAND 21043

OWNER & DEVELOPER  
 WILLIAM B. & PHYLLIS MARTIN  
 3268 MD. ROUTE 94  
 WOODBINE, MD. 21797

*Charles J. Crovo* 9/6/89  
 CHARLES J. CROVO SR. DATE

GRADING AND SEDIMENT CONTROL  
 TIMBERLEIGH HOMESTEADS  
 4TH. ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 TAX MAP 13 PARCEL: 39  
 SCALE: AS SHOWN JANUARY 29, 1990  
 SHEET 12 OF 14



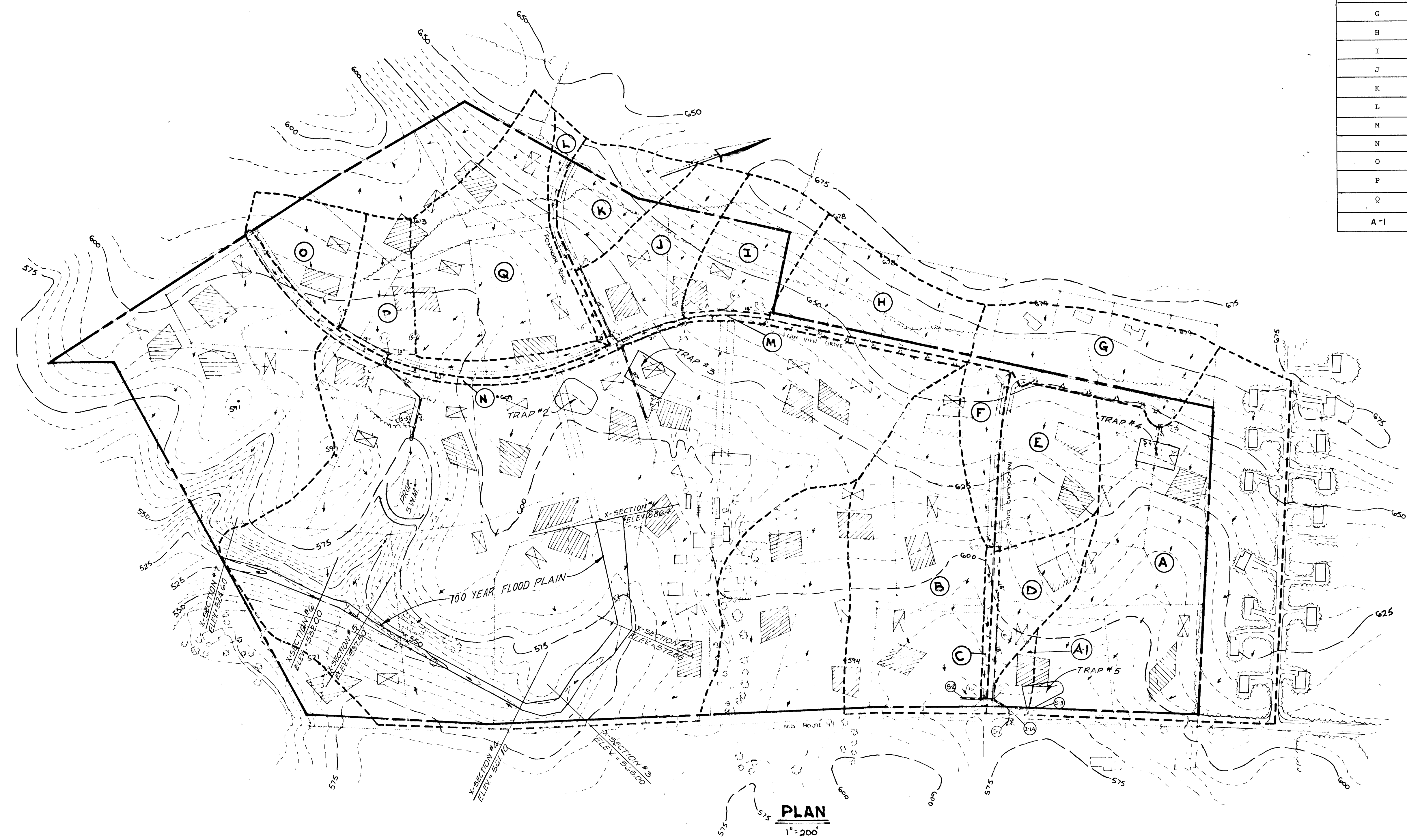
APPROVED: DEPARTMENT OF PLANNING AND ZONING  
 Chief, Division of Community Planning and Land Development  
 DATE: 6/2/89

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 Chief, Land Development Division  
 DATE: 6/6/89

APPROVED: *Francis W. McManus*  
 Chief, Bureau of Engineering  
 DATE: 4/30/91

DRAINAGE AREA TABULATION

DRAINAGE AREA	GOING	AREA AC.±	CW	ZONED
A	S-3	23.13	0.26	'R'
B	S-2	10.85	0.24	'R'
C	I-2	0.32	0.56	'R'
D	I-1	3.05	0.28	'R'
E	I-3	3.9	0.27	'R'
F	I-4	2.56	0.30	'R'
G	I-5	4.64	0.31	'R'
H	I-15	4.29	0.28	'R'
I	I-14	3.79	0.26	'R'
J	I-11	4.46	0.27	'R'
K	I-12	2.55	0.28	'R'
L	I-9	0.53	0.57	'R'
M	I-13	0.56	0.57	'R'
N	I-6	1.00	0.54	'R'
O	I-8	2.50	0.28	'R'
P	I-7	4.29	0.29	'R'
Q	E-1	6.86	0.24	'R'
A-I	I-1A	0.65	0.24	'R'



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 TELEPHONE: (301) 461-2855

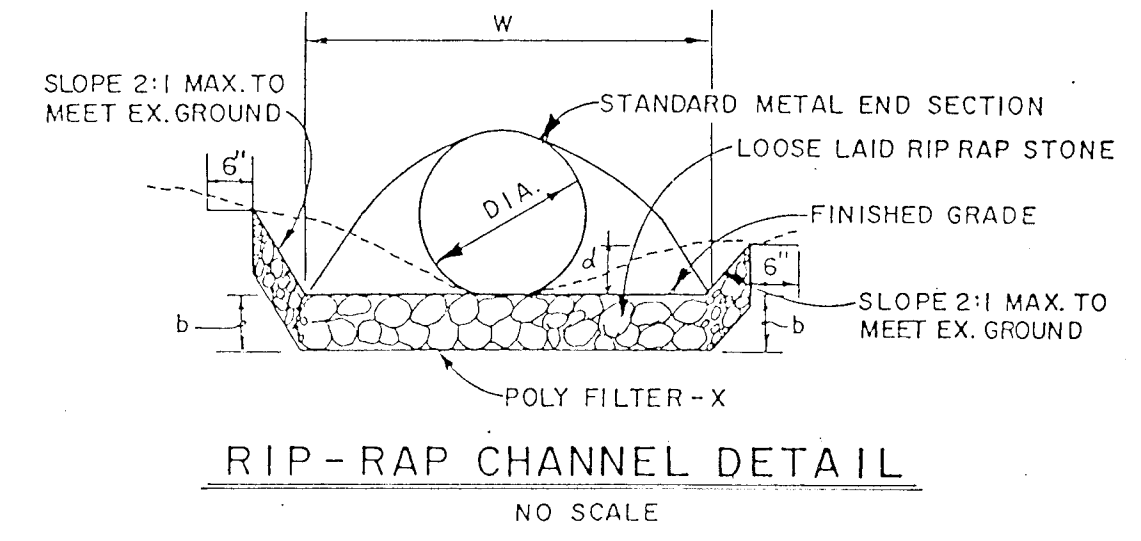
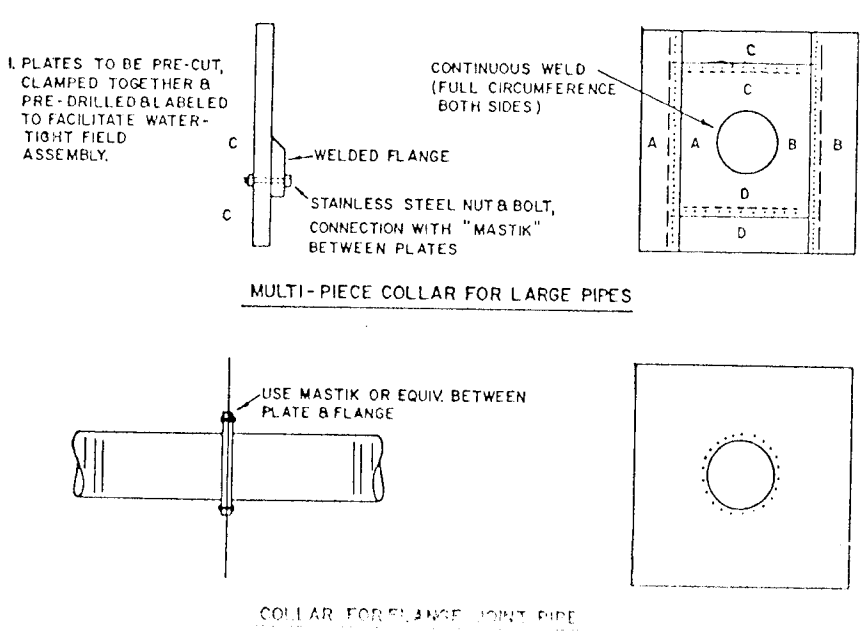
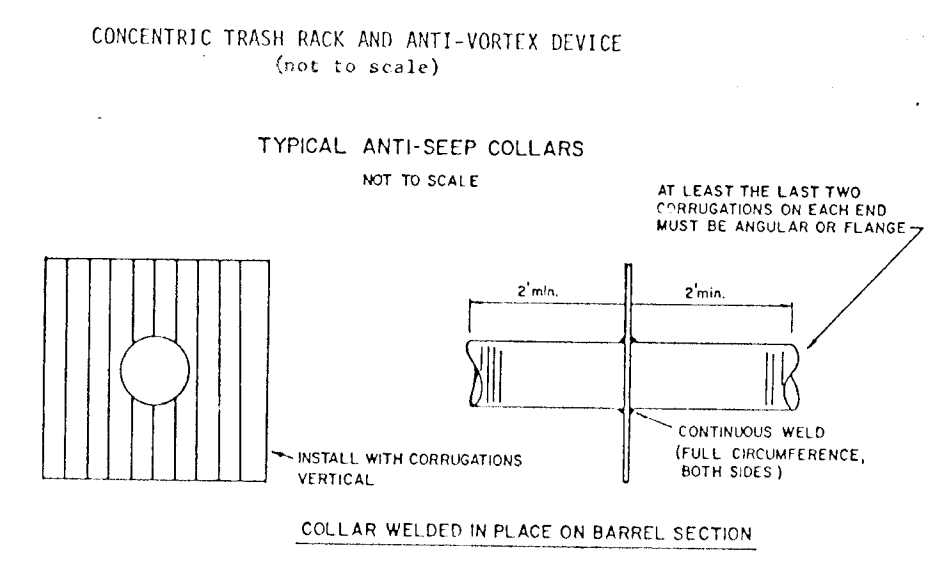
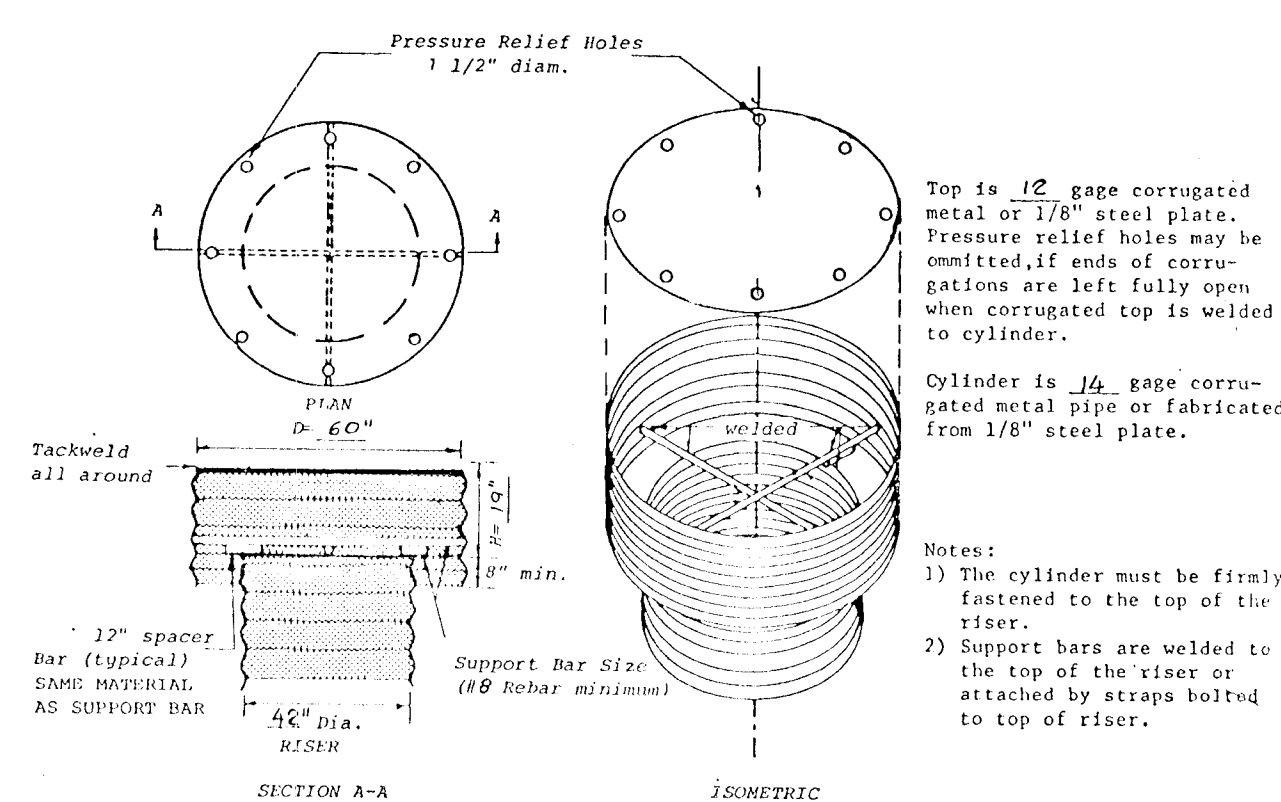
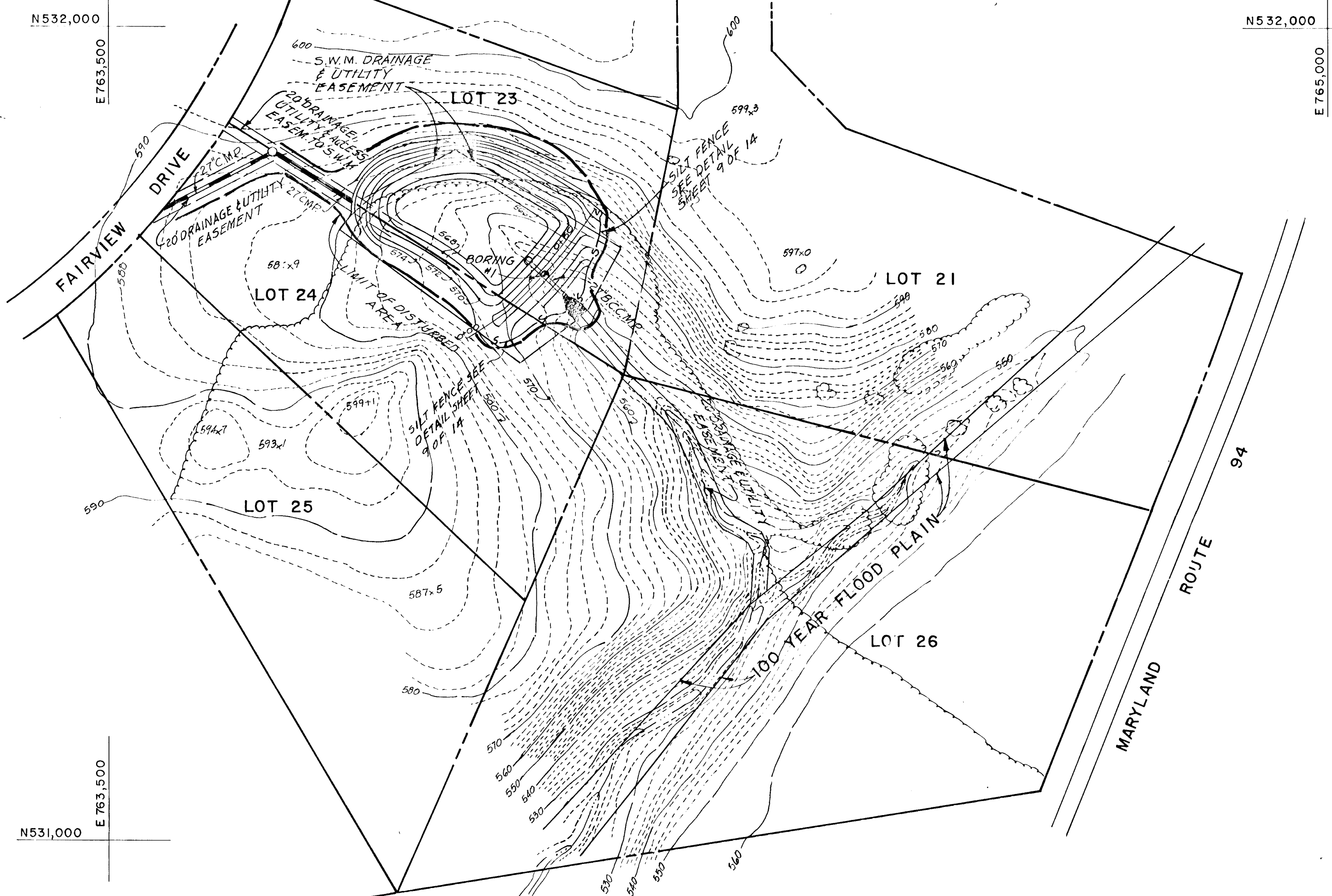
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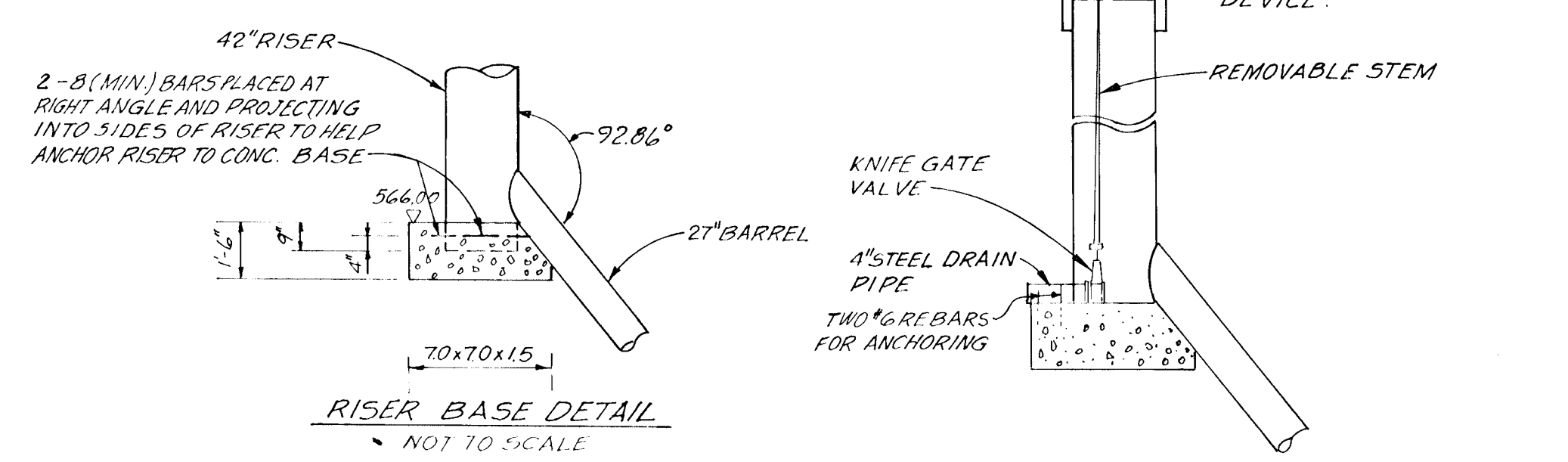
*Charles J. Crovo, Sr.*  
 CHARLES J. CROVO, SR. DATE: 9/6/89

**DRAINAGE AREA MAP**  
**TIMBERLEIGH HOMESTEADS**  
 4TH. ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 TAX MAP 13 PARCEL: 39  
 SCALE: AS SHOWN JANUARY 29, 1992  
 SHEET 13 OF 14

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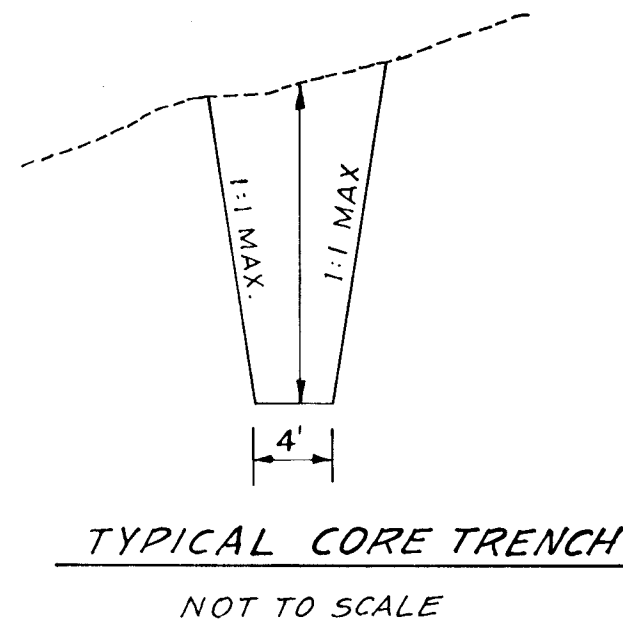
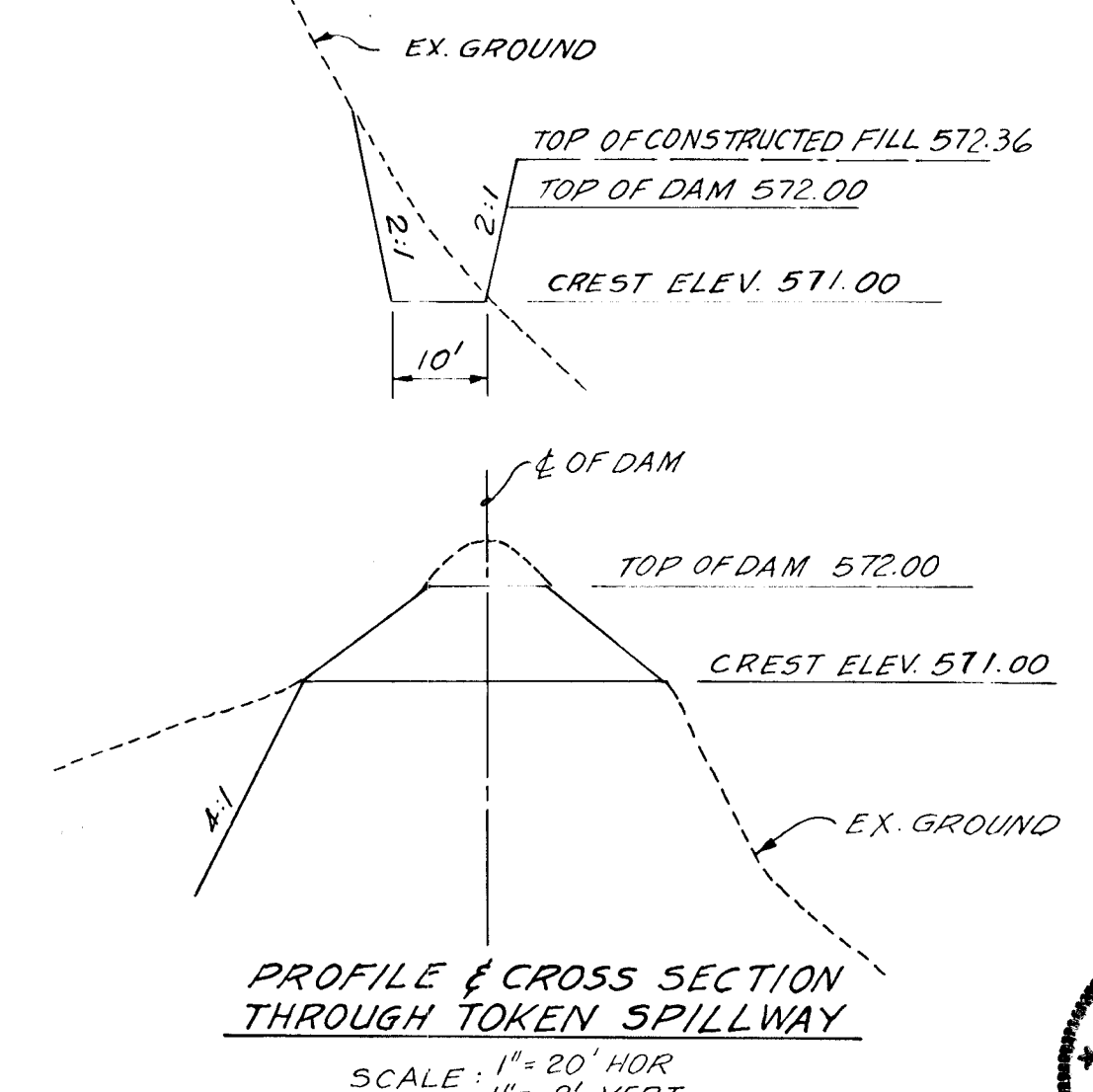
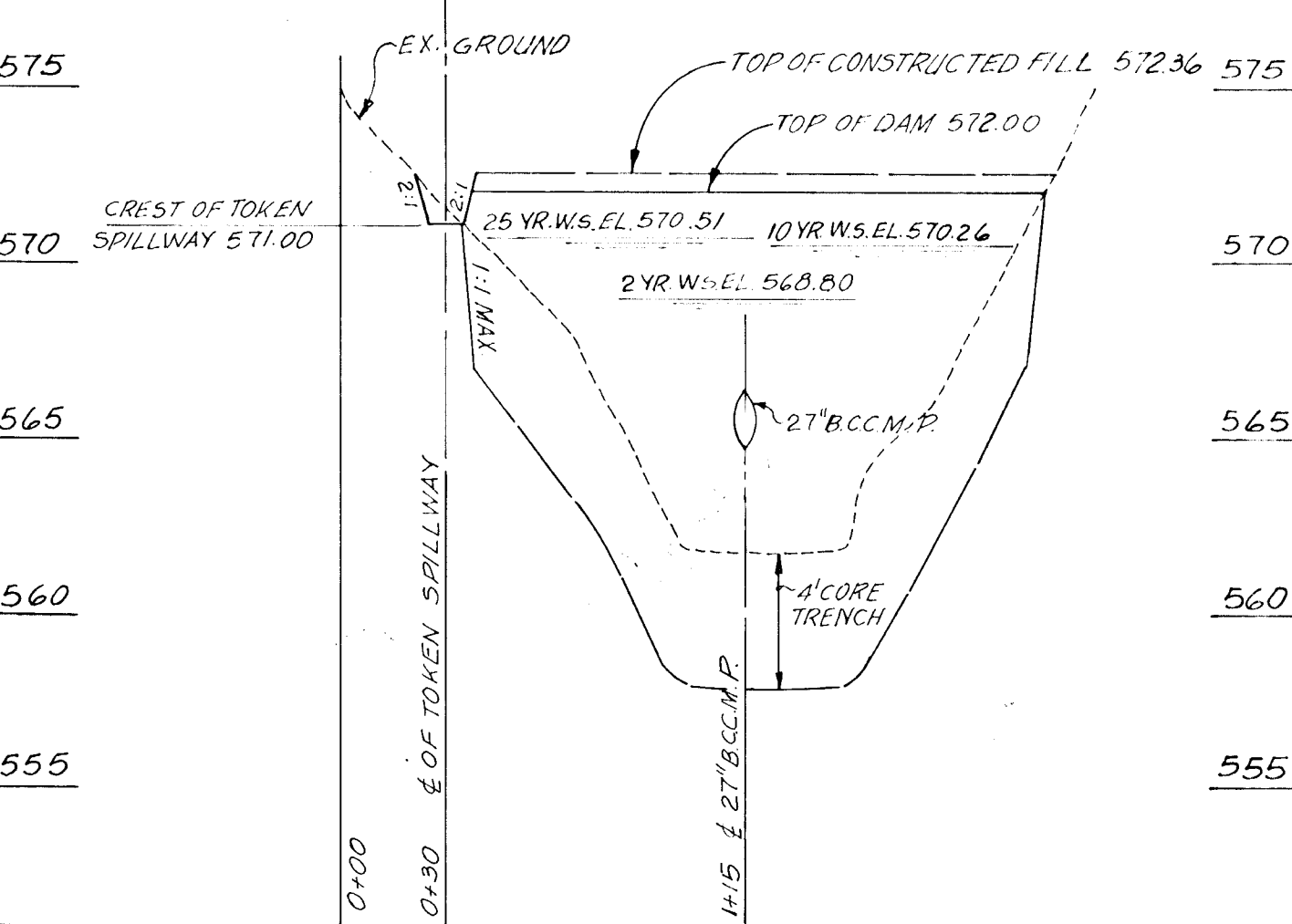
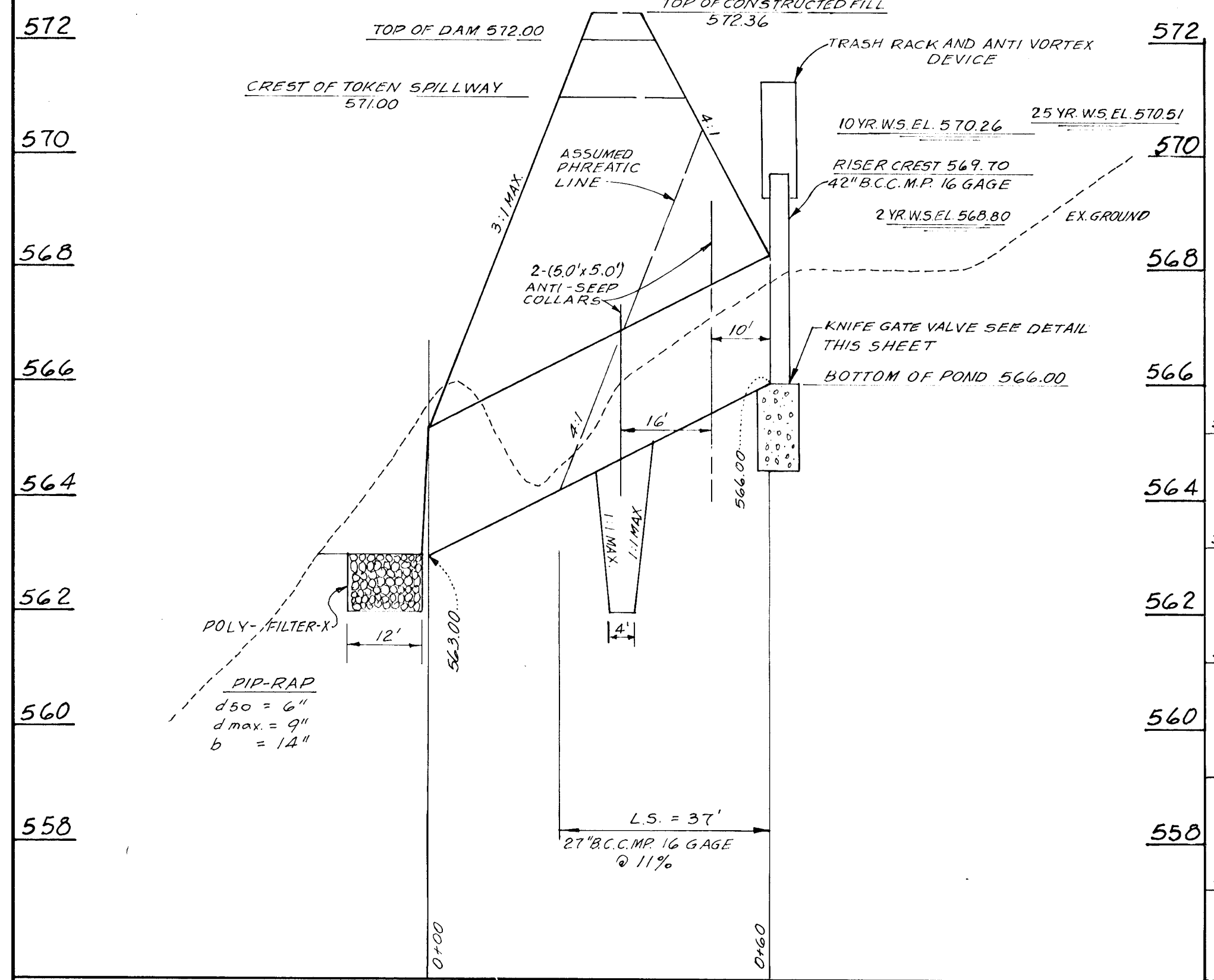


RIP-RAP CHANNEL DESIGN DATA												
STRUCTURE	A <sup>1</sup>	P ft.	R	R/2/3	S%	S 1/2	n	Q c.f.s.	Vf, ps.	d ft.	W ft.	RIP-RAP SIZE
												d 50 d MAX. c
RIP-RAP @ BARREL	10.35	1200	0.86	0.91	0.5	0.0707	0.04	2.464	2.38	1.12	7	6" 9" 14"



NOTES:  
1. THE CONCRETE BASE SHALL BE POURED IN SUCH A MANNER TO INSURE THAT THE CONCRETE FILLS THE BOTTOM OF THE RISER TO THE INVERT OF THE OUTLET PIPE TO PREVENT THE RISER FROM BREAKING AWAY FROM THE BASE.

KNIFE GATE VALVE DETAIL NOT TO SCALE



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

OWNER & DEVELOPER  
WILLIAM B. & PHYLLIS LOPER  
3268 MD. ROUTE 94  
WOODBINE, MD. 21797



Charles J. Crovo Sr. 9/26/89  
DATE

STORM WATER MANAGEMENT POND  
TIMBERLEIGH HOMESTEADS  
4TH. ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
TAX MAP 13 PARCEL : 39  
SCALE: AS SHOWN JANUARY 29, 1990  
SHEET 14 OF 14

STORM WATER MANAGEMENT POND CERTIFICATION AND APPROVAL  
ENGINEER'S CERTIFICATE  
"I CERTIFY THAT THIS PLAN FOR POND CONSTRUCTION, EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE MUST PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN WITHIN 30 DAYS OF COMPLETION."  
Charles J. Crovo Sr. 9/26/89

DEVELOPER'S CERTIFICATE  
"I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, AND THAT ANY 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 WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT."  
William B. Loper 9/26/89

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND APPROVED FOR THE HOWARD SOIL CONSERVATION DISTRICT.  
Robert Zielman 3/27/90

APPROVED: DEPARTMENT OF PLANNING AND ZONING  
Division of Planning and Zoning  
AND LAND DEVELOPMENT  
John M. Sengstacker 4/6/90  
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
Division of Land Development  
Spawelle W. Wellwood 4/30/90

DATE: 9/26/89  
OFFICE: BUREAU OF ENGINEERING

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