

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 SOIL CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Charles J. Crovo, Sr. 4/1/85
 CHARLES J. CROVO SR. DATE

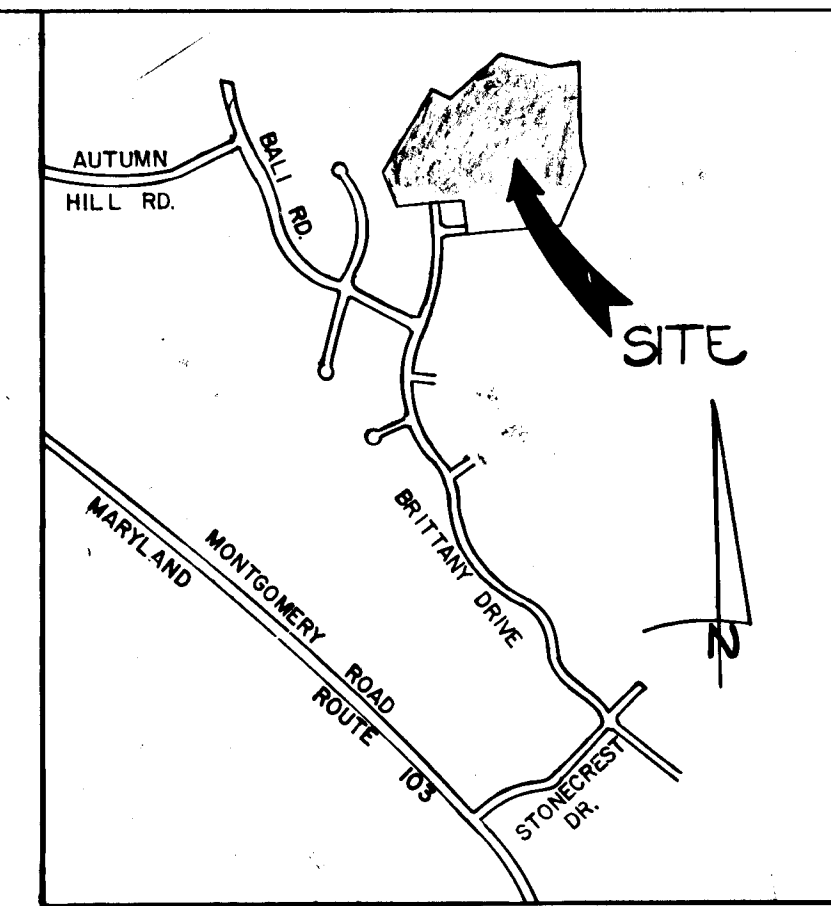
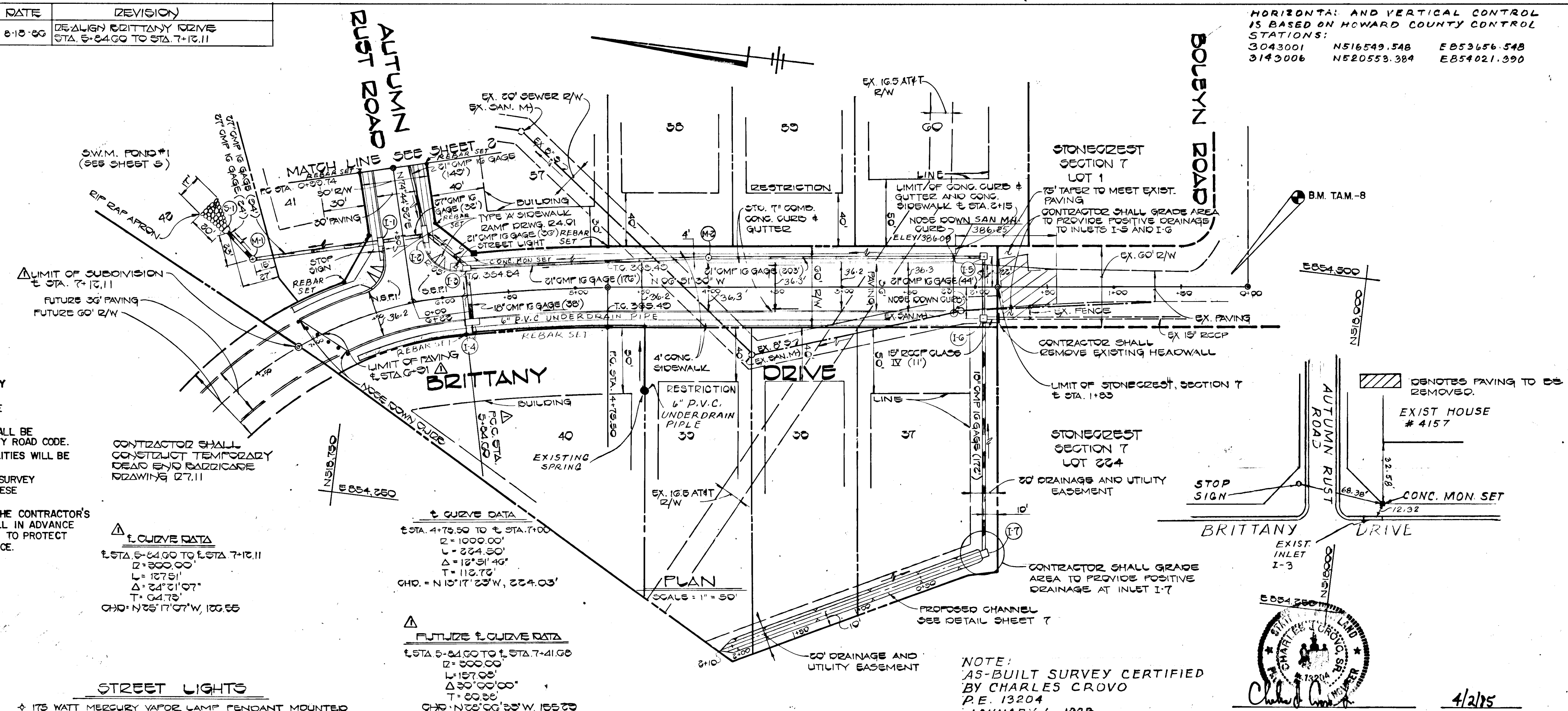
DEVELOPER'S CERTIFICATE
 I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL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

Irving J. Taylor 4/1/85
 IRVING J. TAYLOR DATE

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
 Kenneth Helm 6-21-85
 U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
 Robert W. Zechms 6-21-85
 HOWARD COUNTY SOIL CONSERVATION DISTRICT DATE

NO	DATE	REVISION
1	6-15-85	DESIGN BRITANNY DRIVE STA. 5+24.00 TO STA. 7+12.11



VICINITY MAP
 SCALE 1"=1200'

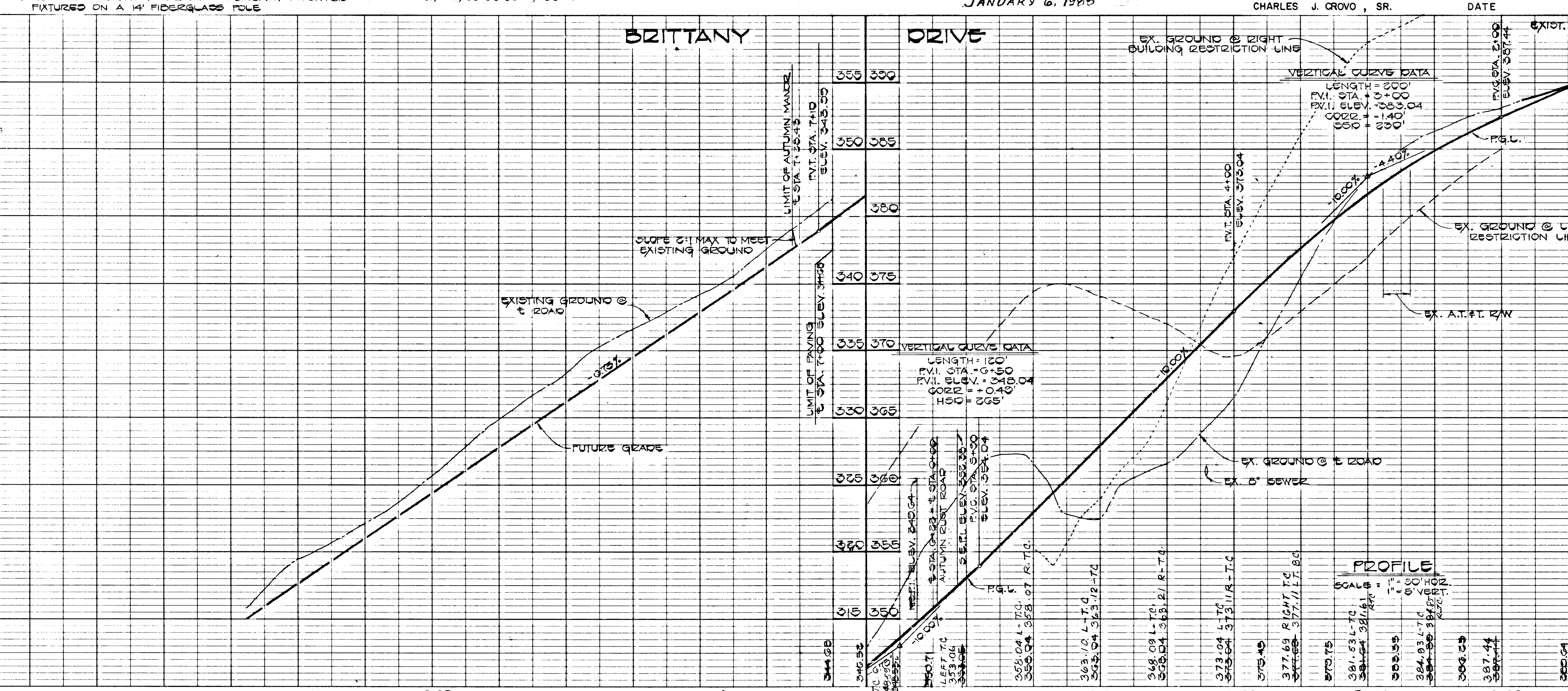
BENCH MARKS
 B.M. 1000
 BK. NAIL IN ROOT OF 24" BEECH TREE AT REAR OF LOT 1 LINE 49 AND 50 ELEV. 318.75
 B.M. T.A.M. 8
 BK. NAIL SET IN BRITANNY DRIVE 9' EAST OF E. STA. 0+12. ELEV. 395.86

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 HRS. IN ADVANCE OF ANY CONSTRUCTION.
- STORM DRAINAGE TRENCHES WITHIN ROAD RIGHTS-OF-WAYS SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH HOWARD COUNTY ROAD CODE.
- ANY DAMAGE TO PUBLIC RIGHTS-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.

APPROVED DEPARTMENT OF PUBLIC WORKS
 William B. Ryan 6/25/85
 CHIEF, BUREAU OF ENGINEERING DATE

APPROVED OFFICE OF PLANNING AND ZONING
 John W. Munchman 6/25/85
 DIRECTOR OF PLANNING AND ZONING ADMINISTRATION DATE



AUTUMN MANOR
 SECTION I AREA I
 2ND ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

BRITANNY DRIVE
 PLAN & PROFILE

OWNER AND DEVELOPER
 TAYLOR LAND SERVICE CO., INC.
 C/O HOWARD COUNTY LAND SERVICES
 10175 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21043

SCALE AS SHOWN DATE MARCH 22, 1985 DWG. NO. 1 OF 8
 DES. C. CROVO DRN. A. BOGDAN CHK. R. CARTER

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

STREET LIGHTS
 1 ITS WATT MERCURY VAPOR LAMP PENDANT MOUNTED FIXTURES ON A 14' FIBERGLASS POLE

CONTRACTOR SHALL CONSTRUCT TEMPORARY DEAD END BARRICADE DRAWING 27.11

CONTRACTOR SHALL GRADE AREA TO PROVIDE POSITIVE DRAINAGE AT INLET 1-7

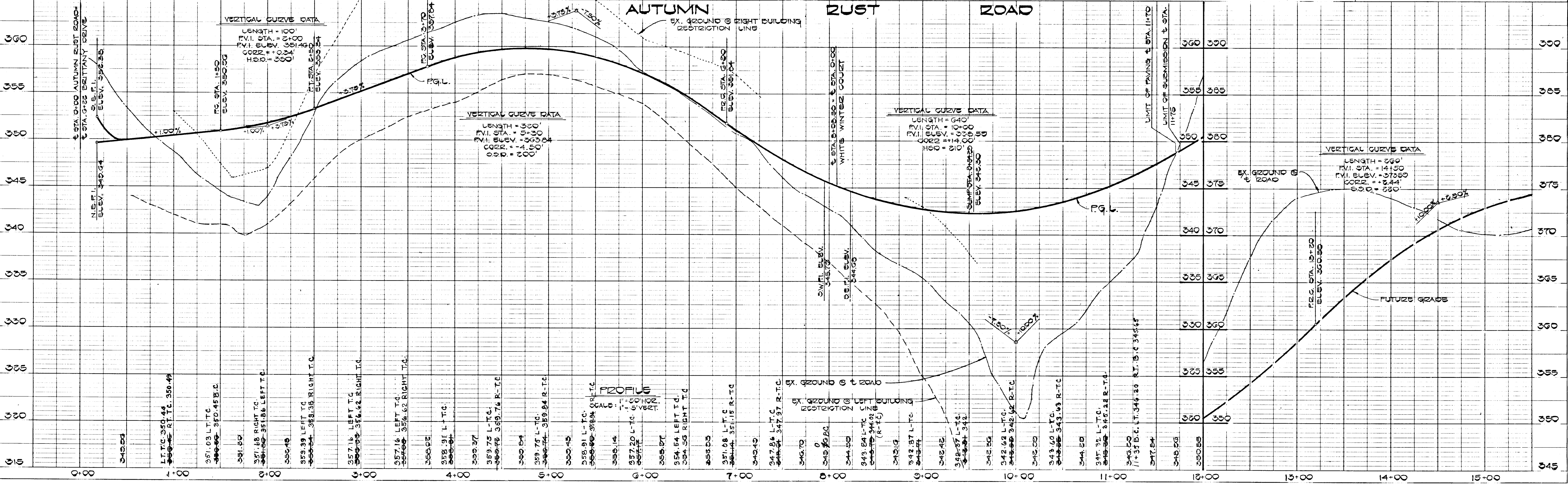
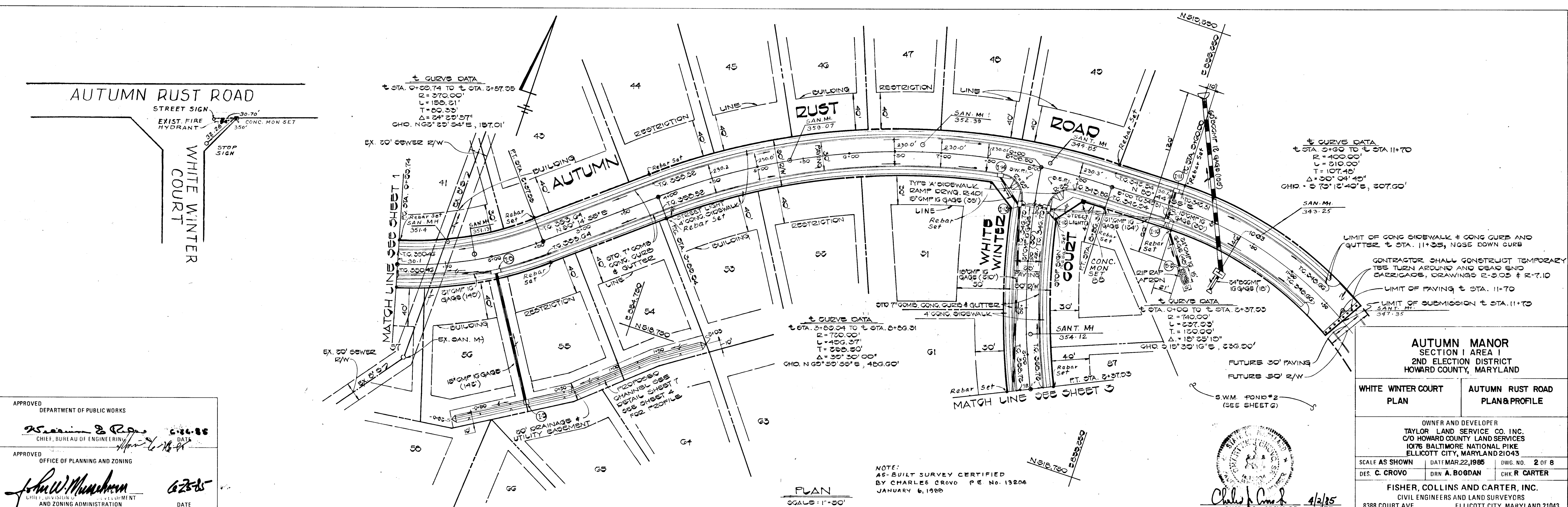
CONTRACTOR SHALL REMOVE EXISTING HEADWALL

CONTRACTOR SHALL REMOVE EXISTING HEADWALL

CONTRACTOR SHALL REMOVE EXISTING HEADWALL

DATE	
BY	
SURVEYED	
ALIGNMENT CHECKED	
NOTE BOOK	
NO.	

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



APPROVED
DEPARTMENT OF PUBLIC WORKS
Charles J. Crovo 6/24/88
CHIEF, BUREAU OF ENGINEERING

APPROVED
OFFICE OF PLANNING AND ZONING
John W. Munchman 6/25/88
CHIEF, DIVISION OF PLANNING AND ZONING ADMINISTRATION

AUTUMN MANOR
SECTION I AREA I
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

WHITE WINTER COURT
PLAN

AUTUMN RUST ROAD
PLAN & PROFILE

OWNER AND DEVELOPER
TAYLOR LAND SERVICE CO. INC.
C/O HOWARD COUNTY LAND SERVICES
1076 BALTIMORE NATIONAL PIKE
ELlicott CITY, MARYLAND 21043

SCALE AS SHOWN DATE: MAR 22, 1986 DWG. NO. 2 OF 8
DES. C. CROVO DRN. A. BOGDAN CHK. R. CARTER

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

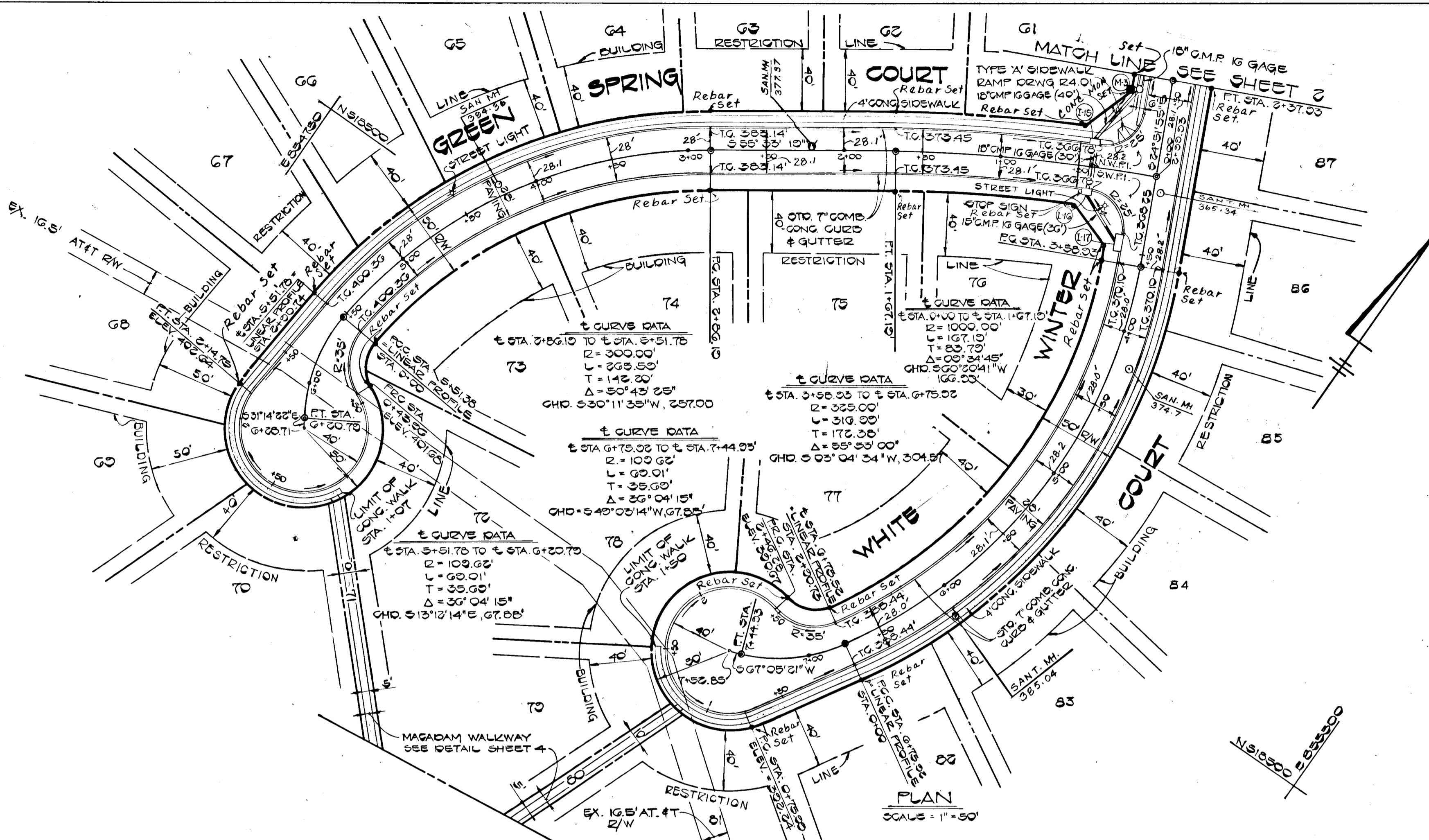
1132

PLAN
CURVES PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
NO. _____
BY _____
DATE _____

PROFILE
GRADES CHECKED
S.M. NOTED
STRUCTURE NOTATIONS CHECKED
NO. _____
BY _____
DATE _____

APPROVED
DEPARTMENT OF PUBLIC WORKS
William R. Reed 6-24-85
CHIEF, BUREAU OF ENGINEERING

APPROVED
OFFICE OF PLANNING AND ZONING
John W. Marchman 6-25-85
MENT DATE



Charles J. Crovo, Sr. 1/1/85
CHARLES J. CROVO, SR. DATE

AUTUMN MANOR
SECTION I AREA I
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

WHITE WINTER COURT
PLAN & PROFILE

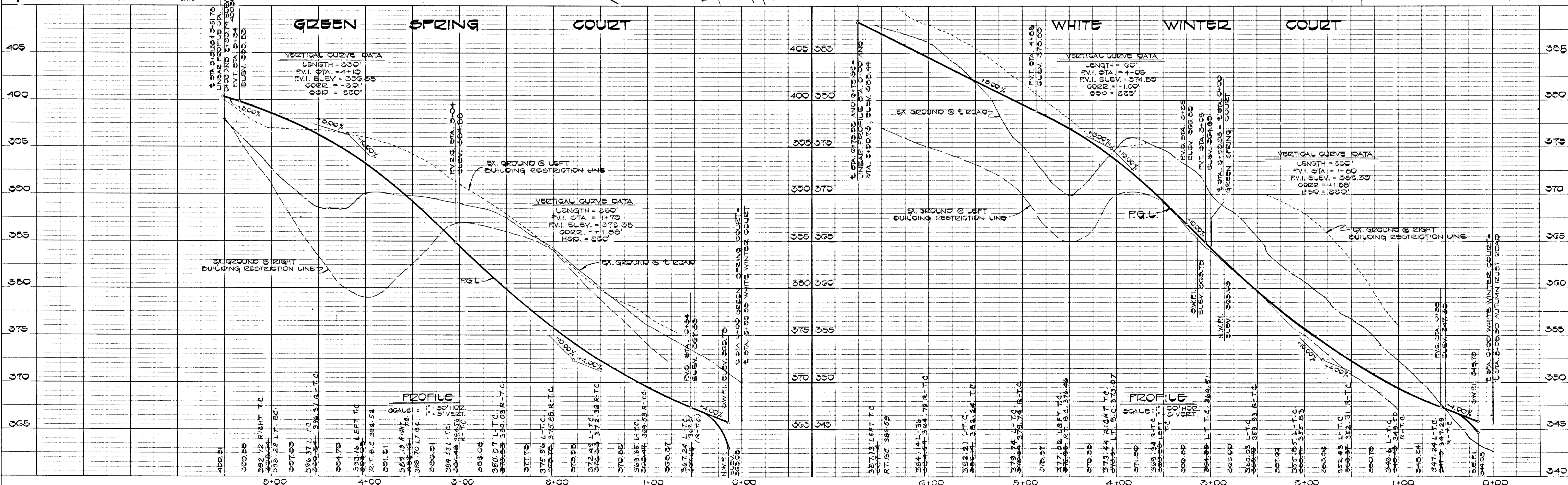
GREEN SPRING COURT
PLAN & PROFILE

OWNER AND DEVELOPER
TAYLOR LAND SERVICE CO., INC.
C/O HOWARD COUNTY LAND SERVICES
1076 BALTIMORE NATIONAL PIKE
ELlicott CITY, MARYLAND 21043

SCALE AS SHOWN DATE MARCH 22, 1985 DWG. NO. 3 OF 8
DES. C. CROVO DRN. A. BOGDAN CHK. R. CARTER

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

NOTE!
AS-BUILT SURVEY CERTIFIED
BY CHARLES CROVO P.E. 1320P
JANUARY 6, 1988

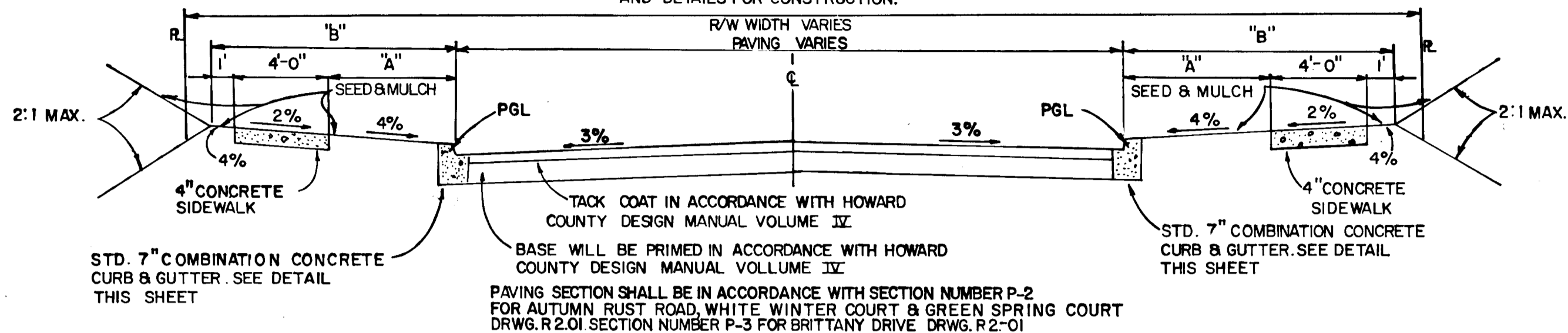


AS-BUILT JAN. 6, 1988

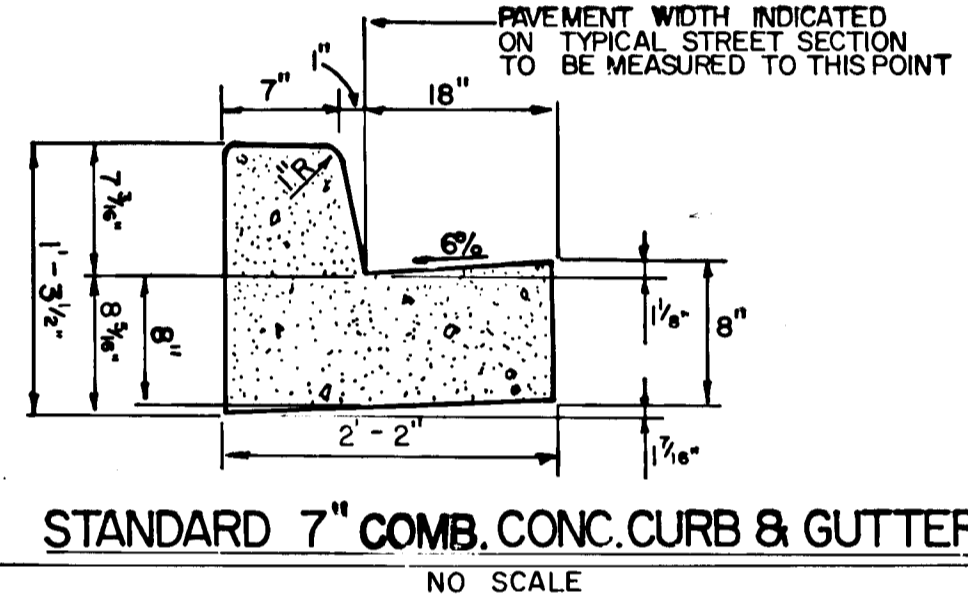
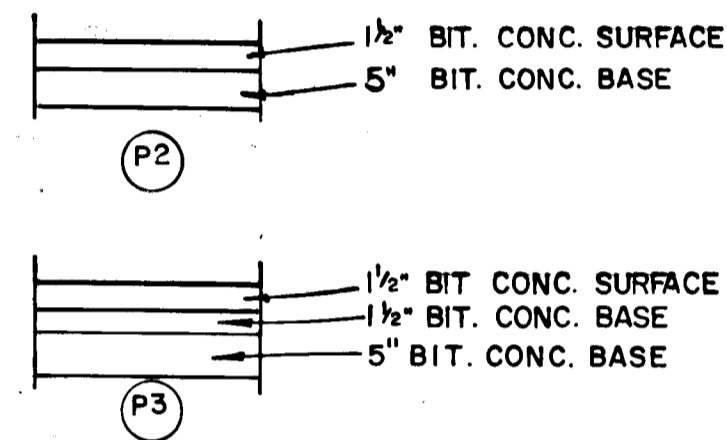
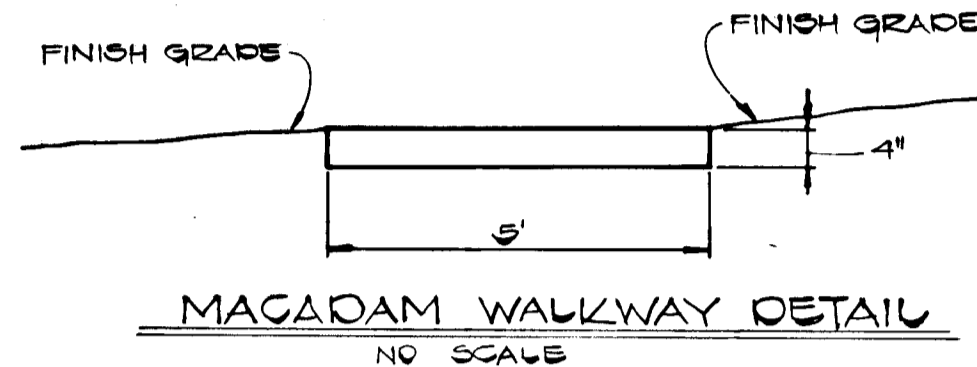
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TYPICAL ROADWAY SECTION

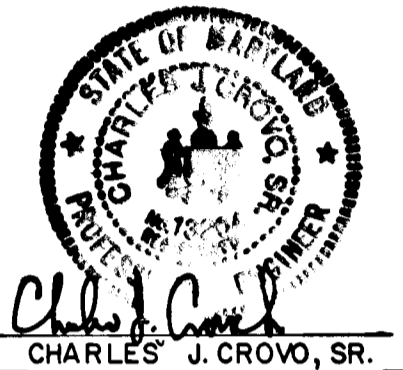
ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL VOLUME IX, STANDARD SPECIFICATION AND DETAILS FOR CONSTRUCTION.



PAVING WIDTH	R/W	CLASSIFICATION	A	B	DESIGN SPEED	ZONING	STA. LIMITS
BRITTANY DR - 36'	60'	MINOR COLLECTOR	7'	12'	35MPH	R-20	2+15 TO 7+00
AUTUMN RUST RD - 30'	50'	LOCAL	4'	9'	30MPH	R-20	0+00 TO 11+70
WHITE WINTER COURT-28'	50'	CUL-DE-SAC	4'	9'	30MPH	R-20	0+00 TO 7+52.85
GREEN SPRING COURT-28'	50'	CUL-DE-SAC	4'	9'	30MPH	R-20	0+00 TO 6+28.71



AS-BUILT SURVEY CERTIFIED
By Charles Crovo P.E. 13204
January 6, 1988

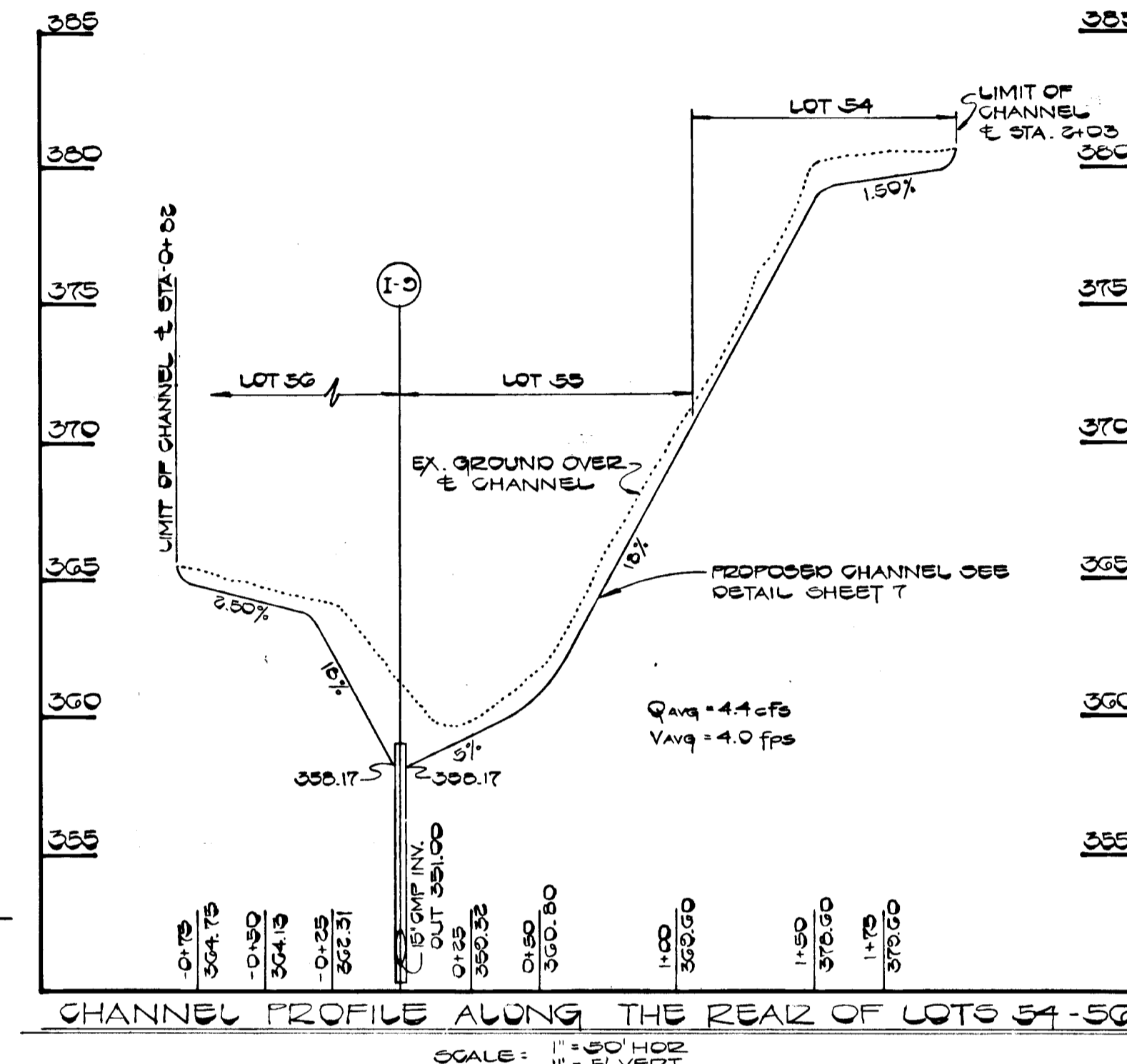


AUTUMN MANOR
SECTION I AREA I
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

OWNER AND DEVELOPER
TAYLOR LAND SERVICE CO., INC.
C/O HOWARD COUNTY LAND SERVICES
10176 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21043

DESIGNER: C. CROVO
DATE: MARCH 22, 1985
DRAWING NO.: 4 OF 8
CHECKER: R. CARTER

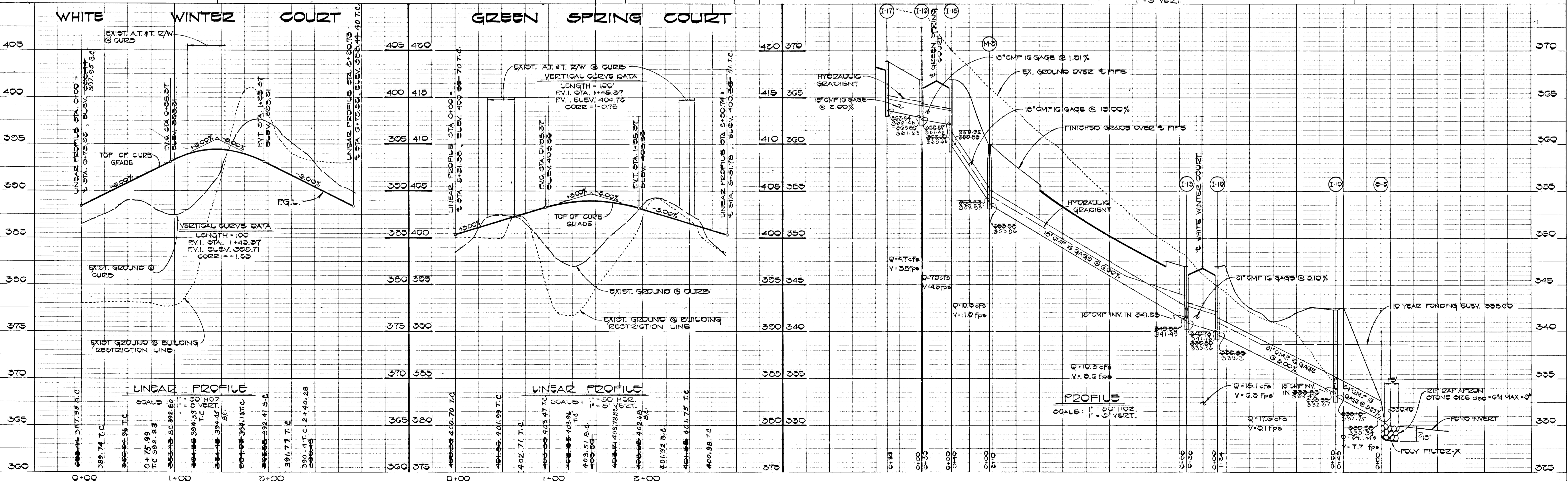
FISHER, COLLINS AND CARTER, INC.
CIVIL ENGINEERS AND LAND SURVEYORS
8388 COURT AVE.
ELLICOTT CITY, MARYLAND 21043



APPROVED DEPARTMENT OF PUBLIC WORKS
William E. Kelly 6-21-85
CHIEF ENGINEER

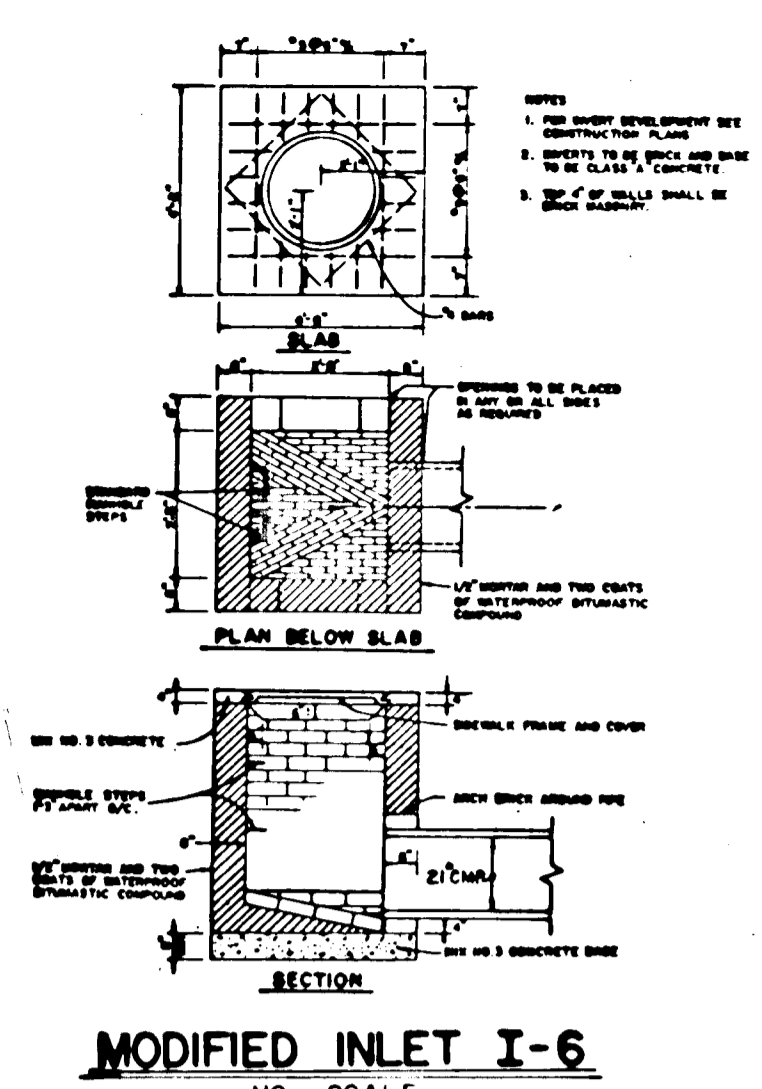
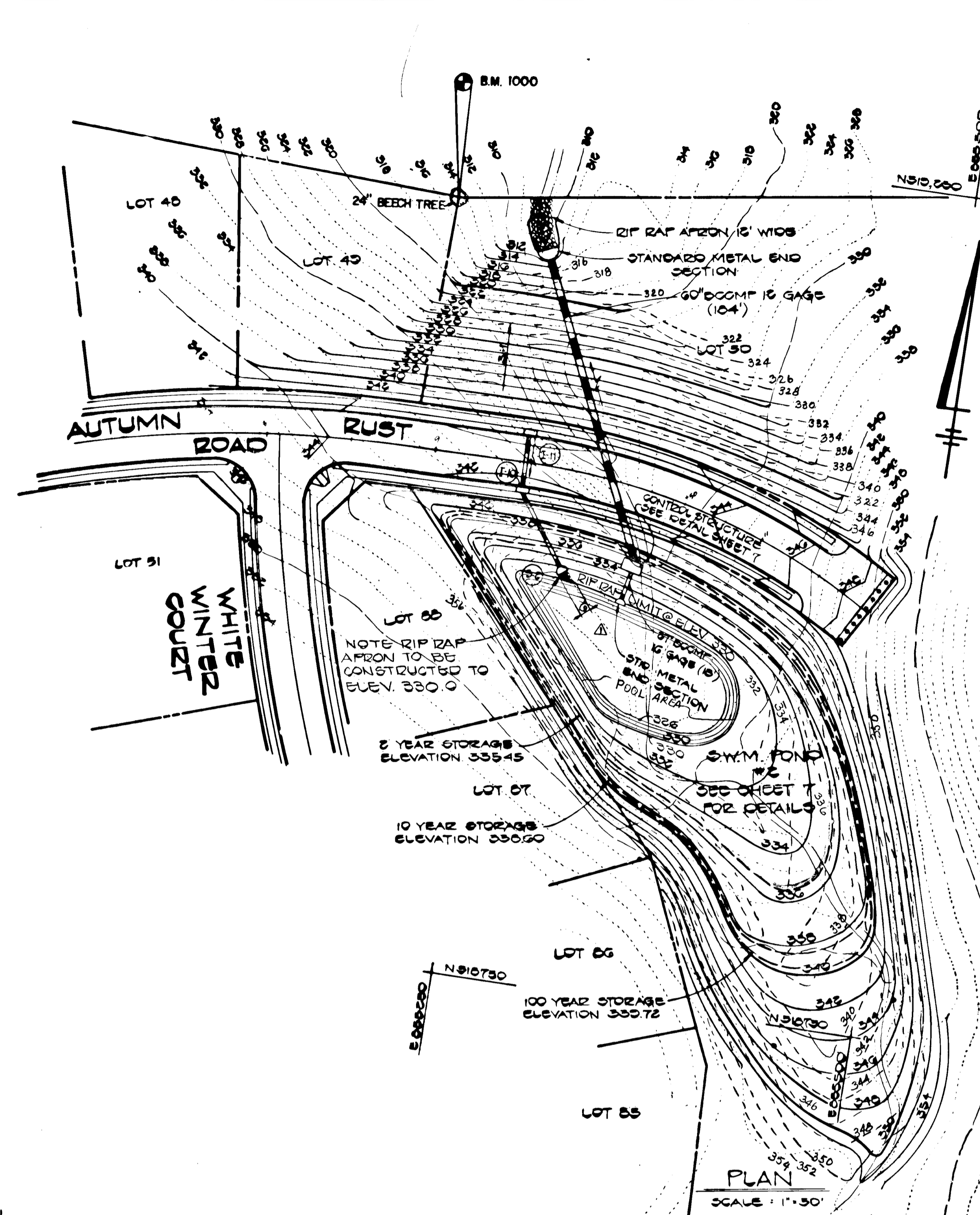
APPROVED OFFICE OF PLANNING AND ZONING
John W. Murrain 6-25-85
MENT

DATE	DESCRIPTION	BY
9/9/85	CHANGE VELOCITIES ON STORM DRAIN PROFILE	R.A.I.





DRAINAGE AREA MAP
SCALE: 1" = 200'



MODIFIED INLET I-6
NO SCALE

STRUCTURE SCHEDULE:						
NO.	TYPE	INVERT IN	INVERT OUT	% STATION	TOP ELEVATION	REMARKS
1-1	A-5	343.00 342.96	340.90 340.85	0+48.50 AUTUMN RUST ROAD	349.94 349.93	DRWG. SD 4.01
1-2	A-10	345.06 345.06	344.19 344.16	0+48.50 AUTUMN RUST ROAD	349.94 349.77	DRWG. SD 4.02
1-3	A-5 WITH DEFLECTORS	349.25 349.21	348.85 348.69	5+79 BRITANNY DRIVE	354.14 354.81	DRGMS. SD 4.01 & 4.83
1-4	A-10 WITH DEFLECTORS	--	350.00	5+79 BRITANNY DRIVE	355.14	DRGMS. SD 4.02 & 4.83
1-5	"D" INLET	280.61 280.48	379.19 379.24	1+93 BRITANNY DRIVE	367.00** 367.42	DRWG. SD 4.11
1-6	MODIFIED "D" INLET	305.92 305.75	300.00 301.92	1+93 BRITANNY DRIVE	367.00** 367.00**	SEE DETAIL THIS SHEET.
1-7	"D" INLET	347.13 347.18	303.00 304.71	383.23-388.88 RUST ROAD	367.00** 367.00**	DRWG. SD 4.11
1-8	A-10	346.62 347.18	346.62 346.71	2+02.00 AUTUMN RUST ROAD	361.86 361.86	DRWG. SD 4.02
1-9	"D" INLET	--	351.00	25+14.00-25+18.00	350.00**	DRWG. SD 4.11
1-10	A-5	333.85 333.72	333.19 333.72	8+54.75 AUTUMN RUST ROAD	342.36 342.35	DRWG. SD 4.01
1-11	A-5	--	336.25	8+54.75 AUTUMN RUST ROAD	342.36	DRWG. SD 4.01
1-12	A-5 WITH DEFLECTORS	339.00 331.56	339.55 339.5	0+43 WHITE WINTER COURT	346.99 346.99	DRGMS. SD 4.01 & 4.83
1-13	A-5 WITH DEFLECTORS	344.33 344.14	344.33 344.14	0+43 WHITE WINTER COURT	346.99 346.99	DRGMS. SD 4.01 & 4.83
1-14	A-5 WITH DEFLECTORS	--	342.75	7+66.50 AUTUMN RUST ROAD	347.13	DRGMS. SD 4.01 & 4.83
1-15	A-5 WITH DEFLECTORS	302.00 300.68	359.83 359.92	0+42 GREEN SPRING COURT	360.00 360.58	DRGMS. SD 4.01 & 4.83
1-16	A-5 WITH DEFLECTORS	306.00 304.68	306.57 304.62	0+42 GREEN SPRING COURT	360.00 360.58	DRGMS. SD 4.01 & 4.83
1-17	A-10 WITH DEFLECTORS	325.04	303.54	3+44.43 WHITE WINTER COURT	360.77 359.58	DRGMS. SD 4.02 & 4.83
M-1	STANDARD MANHOLE	342.22	344.50	334.50	334.50	DRWG. 6.5.02
M-2	STANDARD MANHOLE	367.25	367.00	4+00 BRITANNY DRIVE	373.20	DRWG. 6.5.01
M-3	STANDARD MANHOLE	359.83	357.58	2+50 WHITE WINTER COURT	362.45	DRWG. 6.5.01
S-1	STANDARD METAL END SECTION	359.83	359.83	--	359.83	DRWG. SD 5.81
S-2	STANDARD METAL END SECTION	--	330.56	--	332.58	DRWG. SD 5.81

* OPENINGS TO BE ON THE NORTH AND SOUTH SIDE OF THE INLET
** OPENINGS TO BE ON ALL 4 SIDES OF THE INLET

NOTE:
AS-BUILT SURVEY CERTIFIED
BY Charles Crovo P.E. No. 13204
January 6, 1988

APPROVED: DEPARTMENT OF PUBLIC WORKS.
CHIEF, BUREAU OF ENGINEERING
APPROVED: OFFICE OF PLANNING AND ZONING
DATE: 1/22/88

OWNER AND DEVELOPER
TAYLOR LAND SERVICE CO. INC.
C/O HOWARD COUNTY LAND SERVICES
1076 BALTIMORE NATIONAL PIKE
ELICOTT CITY, MARYLAND 21043

DRAINAGE AREA MAP
STORM WATER MANAGEMENT POND, PLAN & PROFILE
AUTUMN MANOR
SECTION I AREA I
SECOND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN MAR 22, 1985
SHEET 6 OF 8

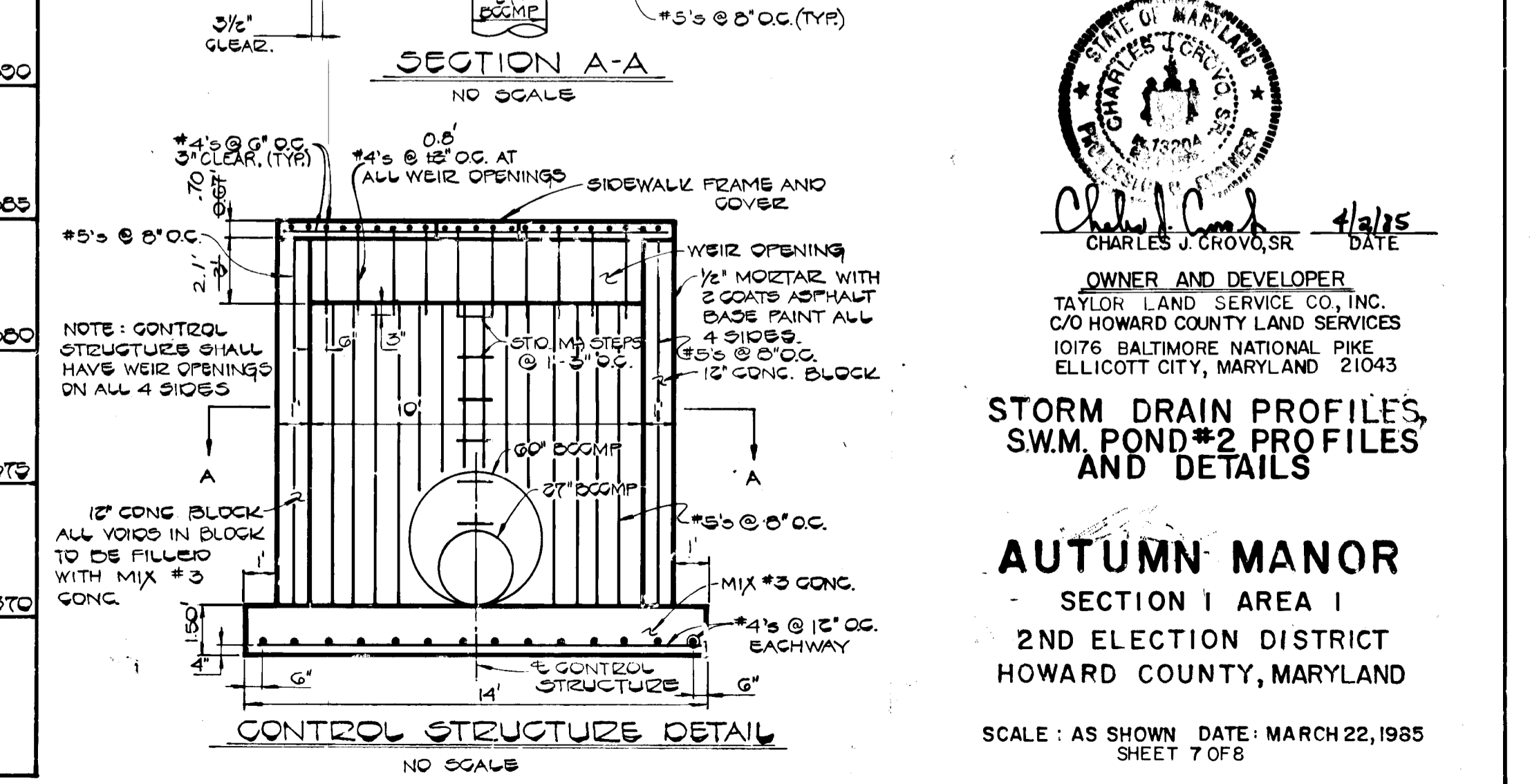
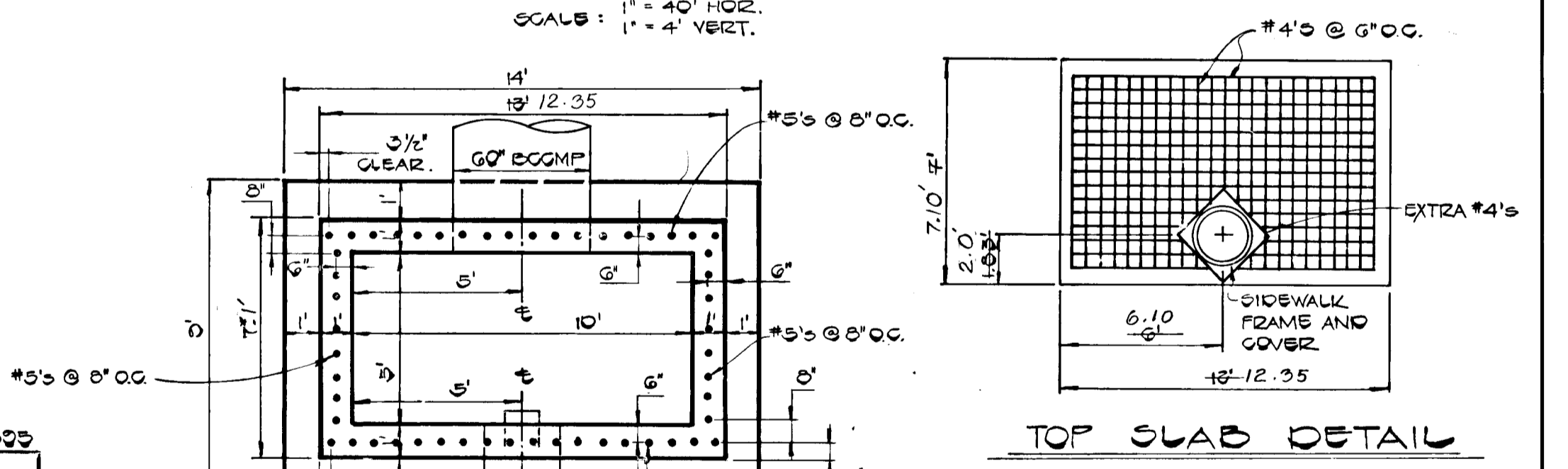
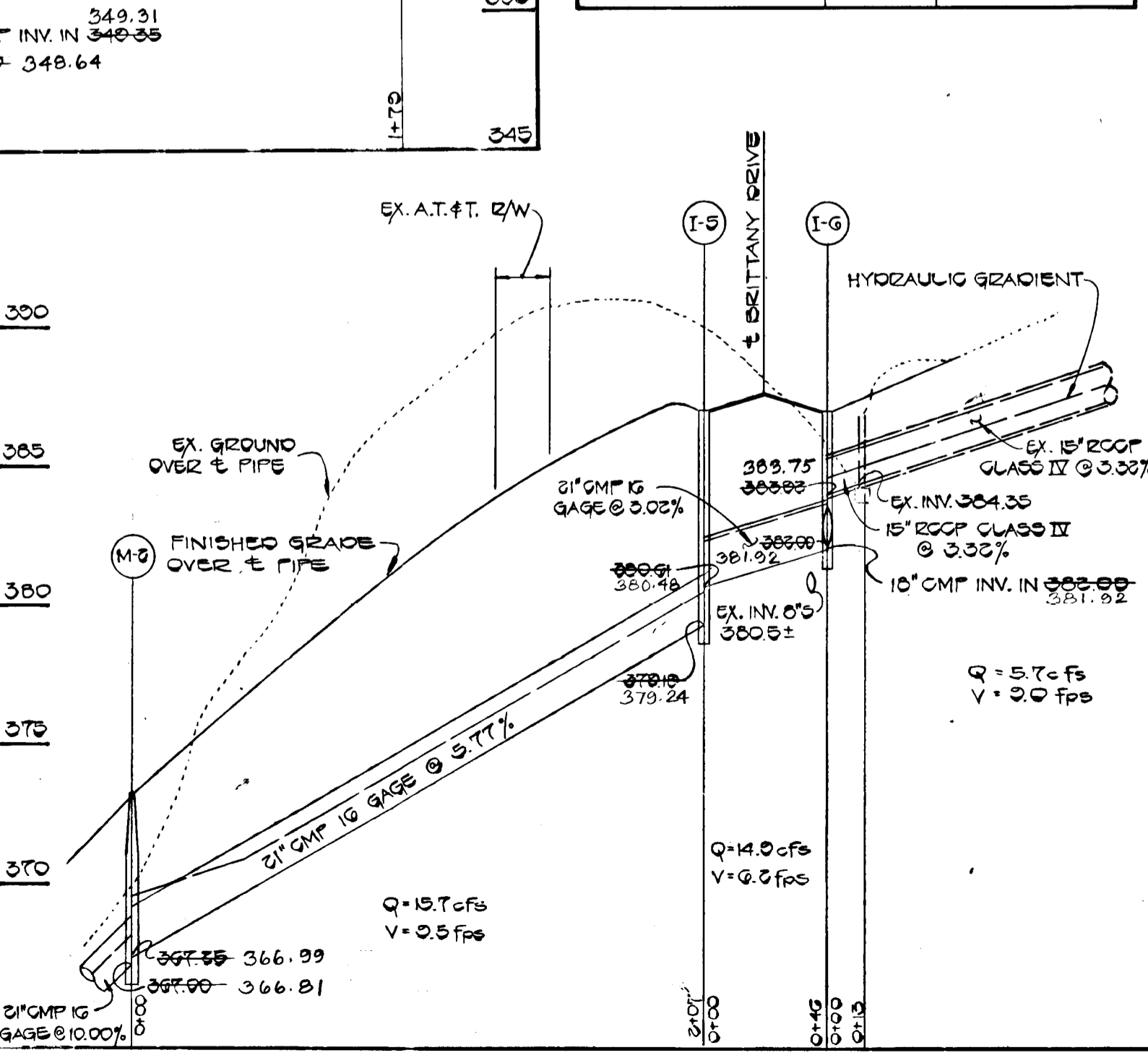
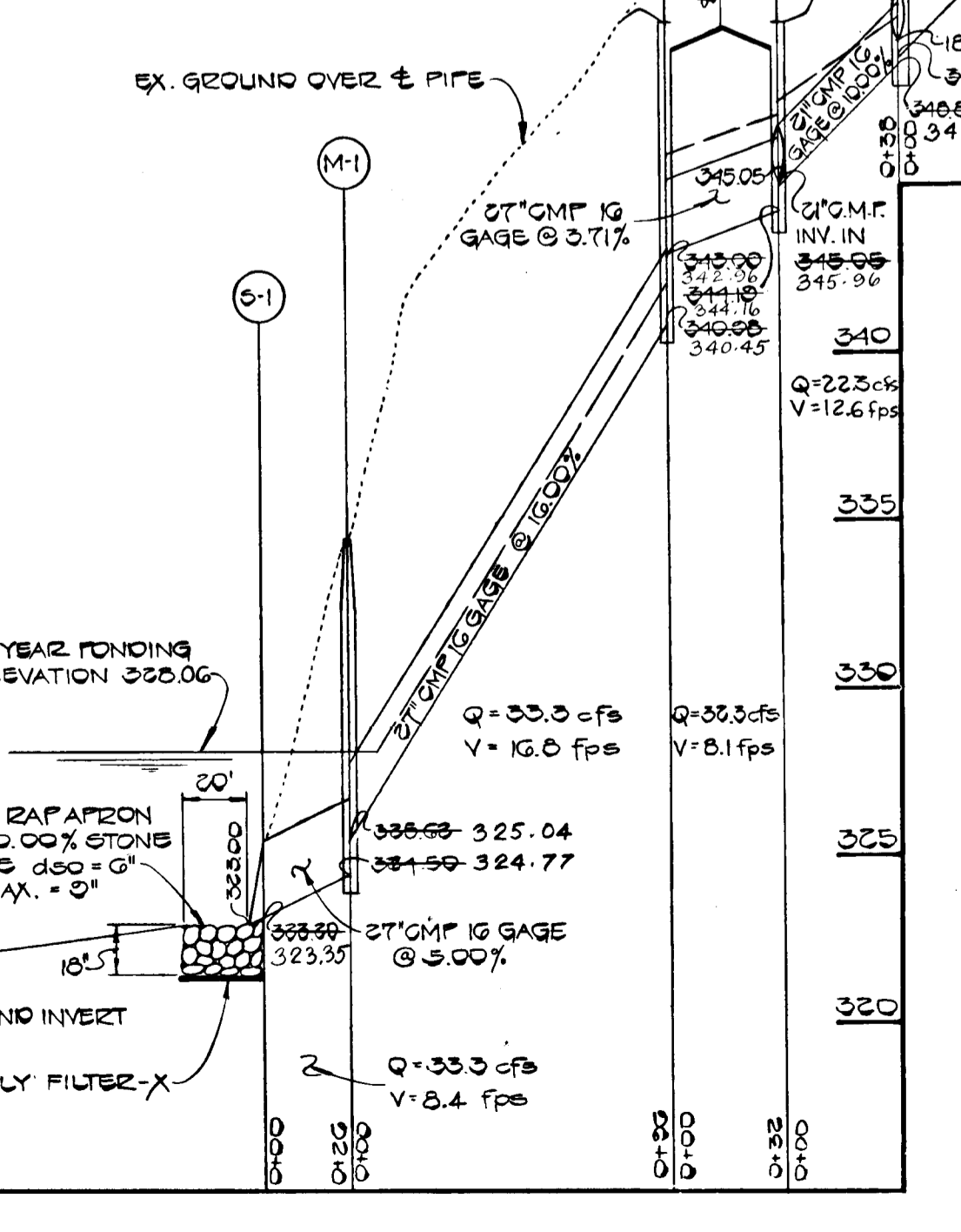
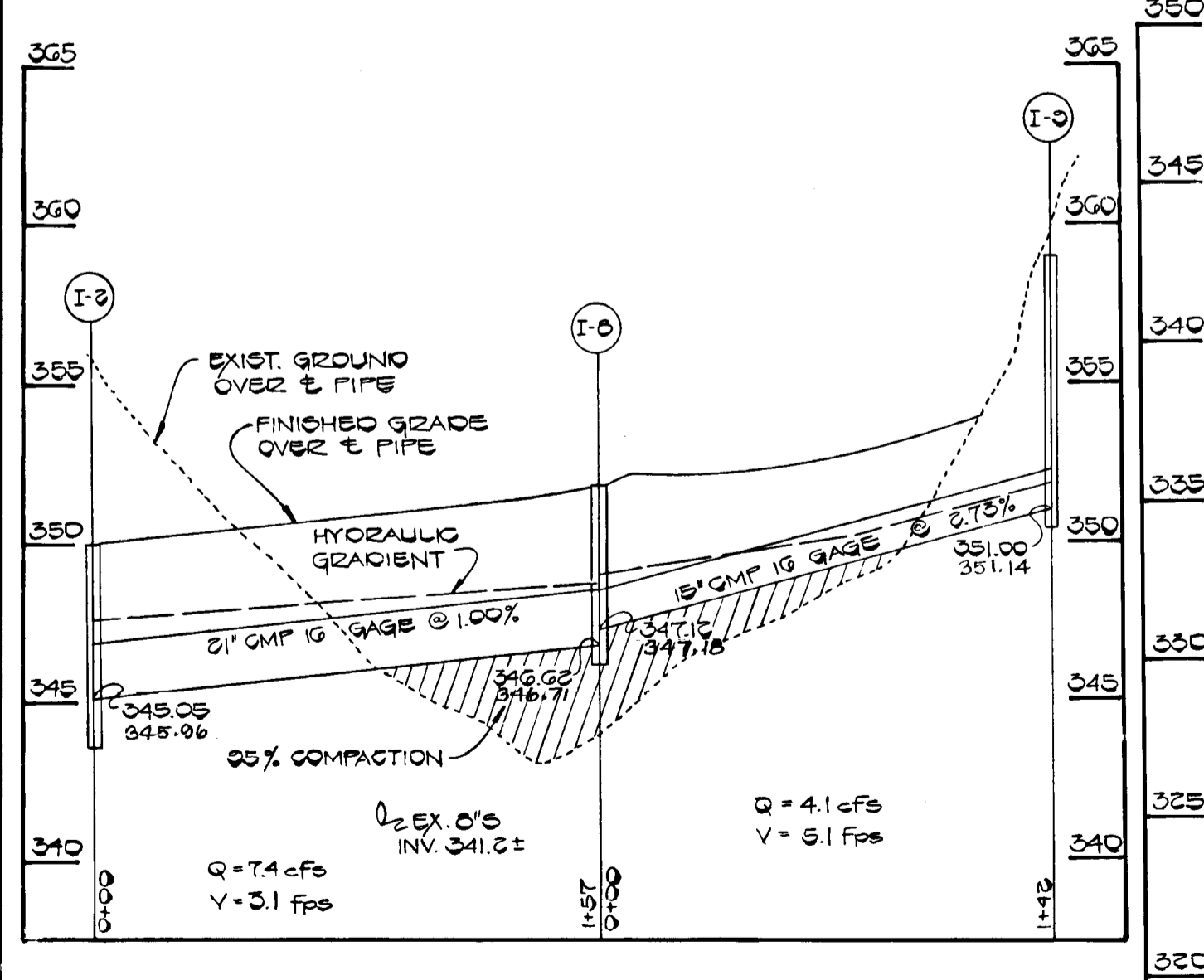
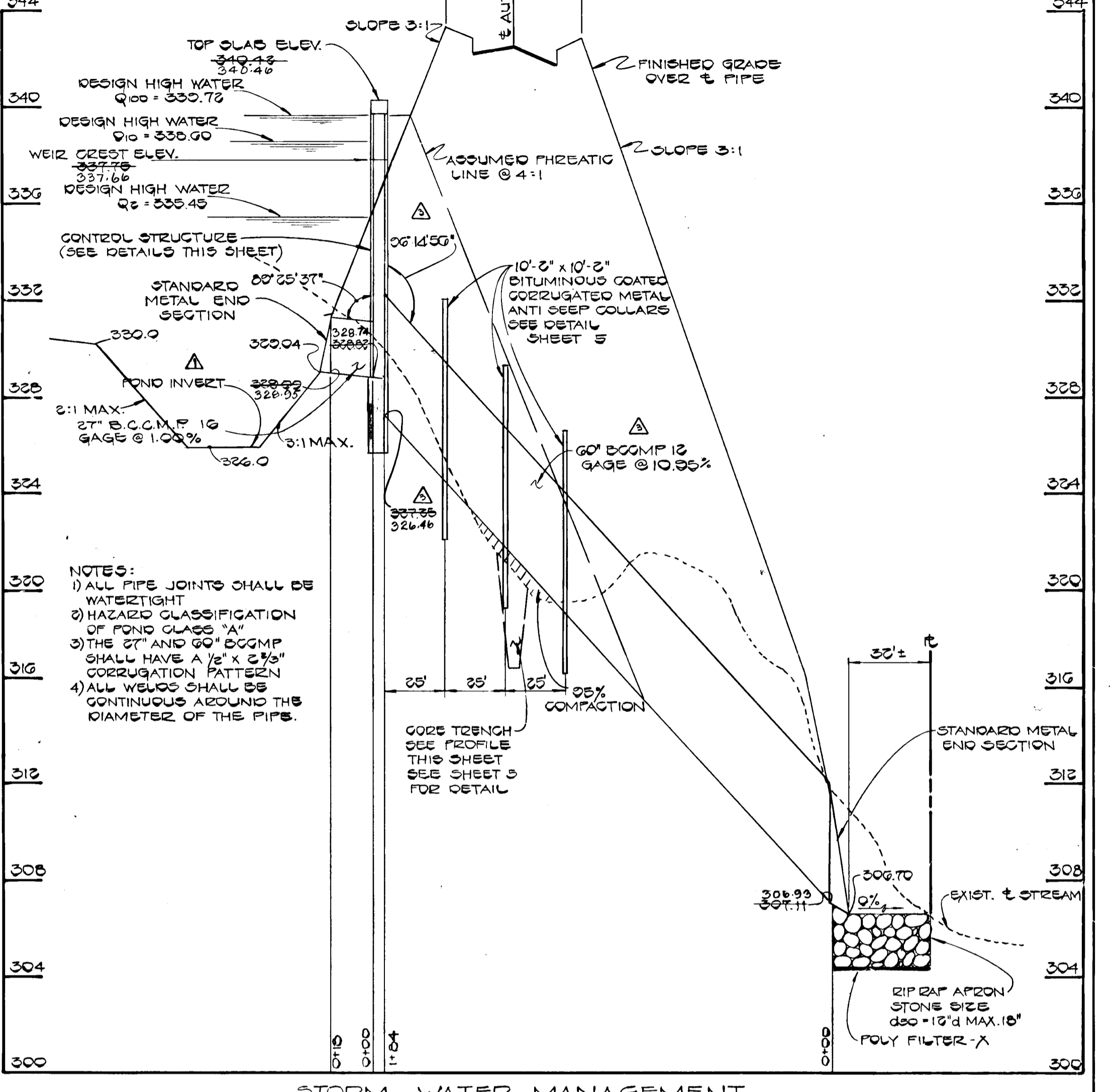
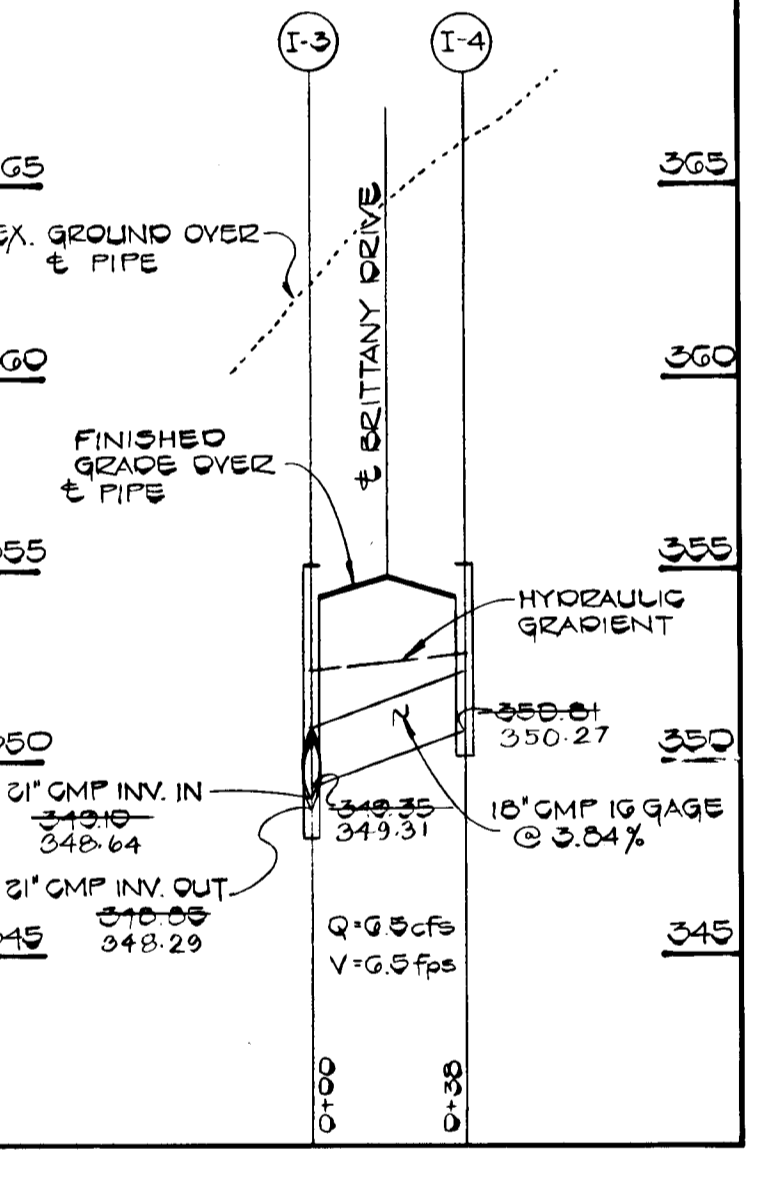
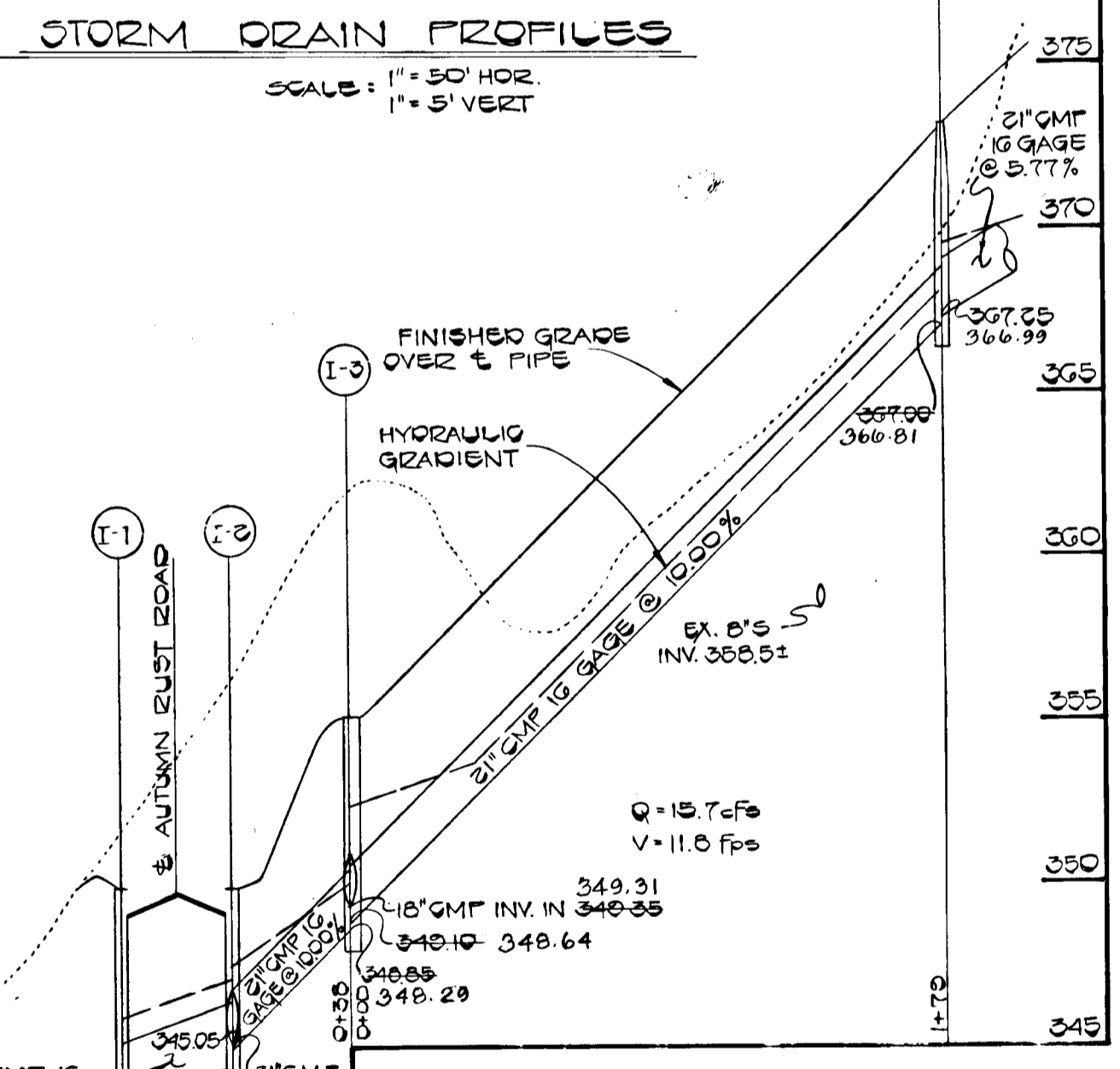
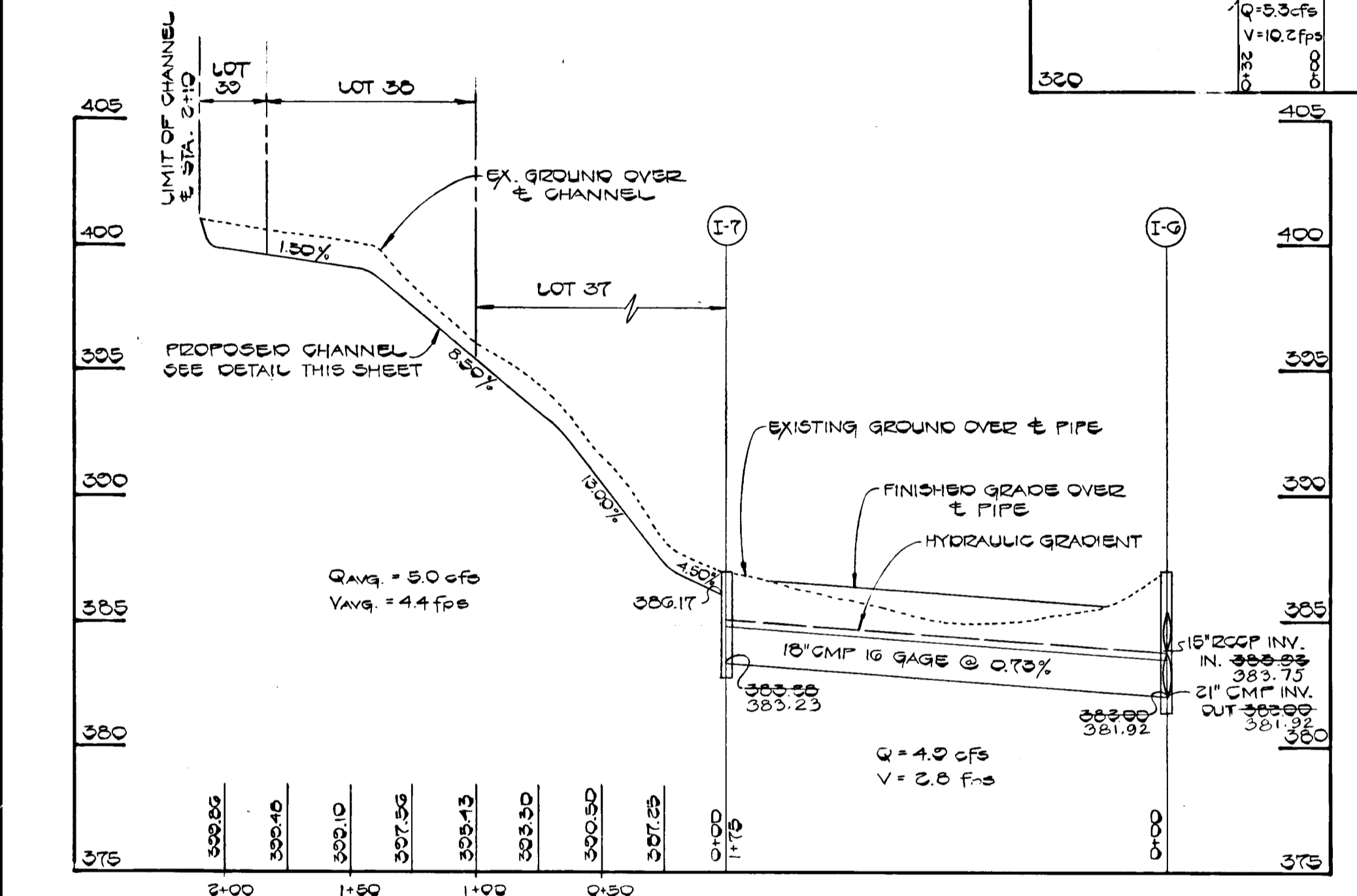
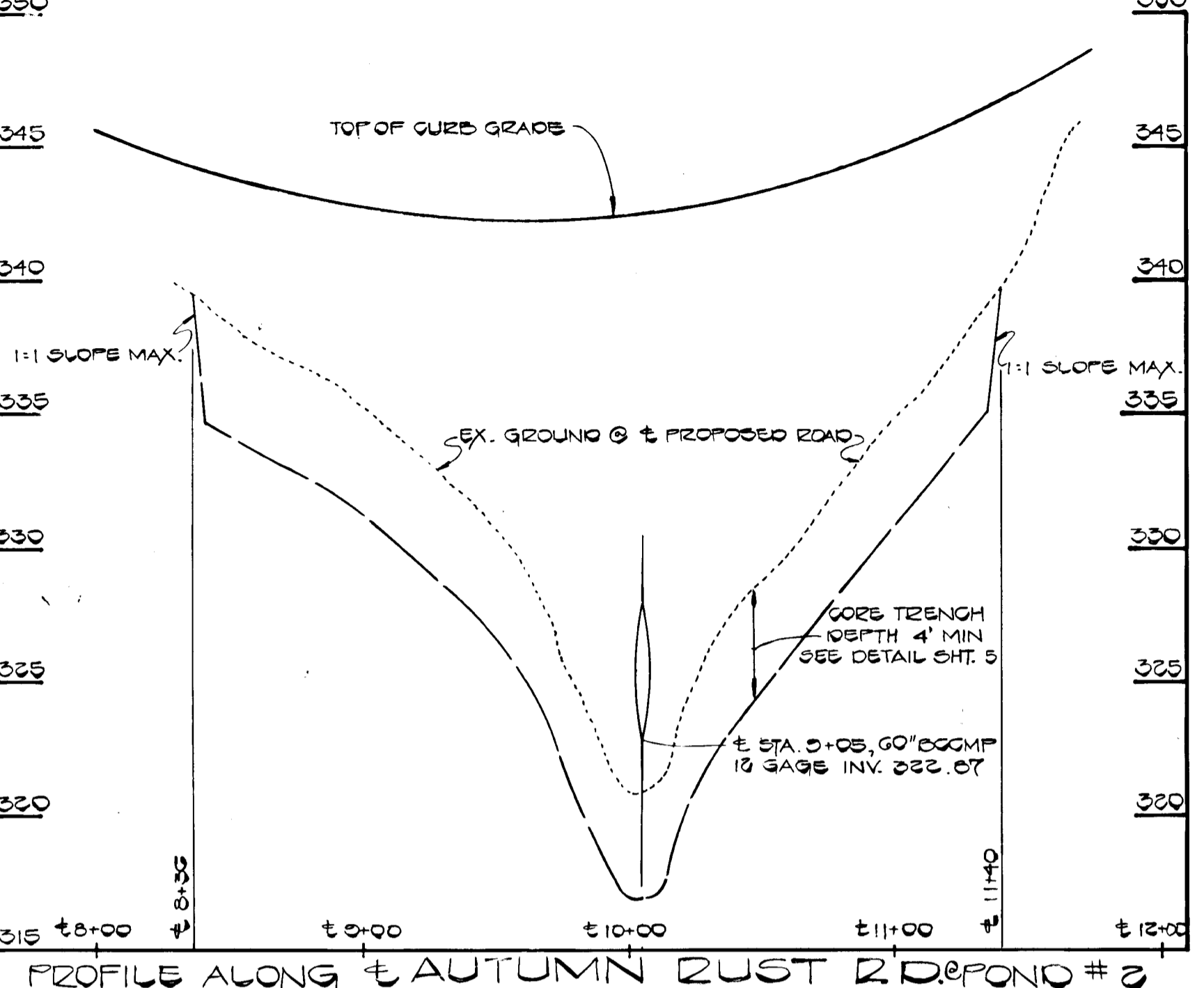
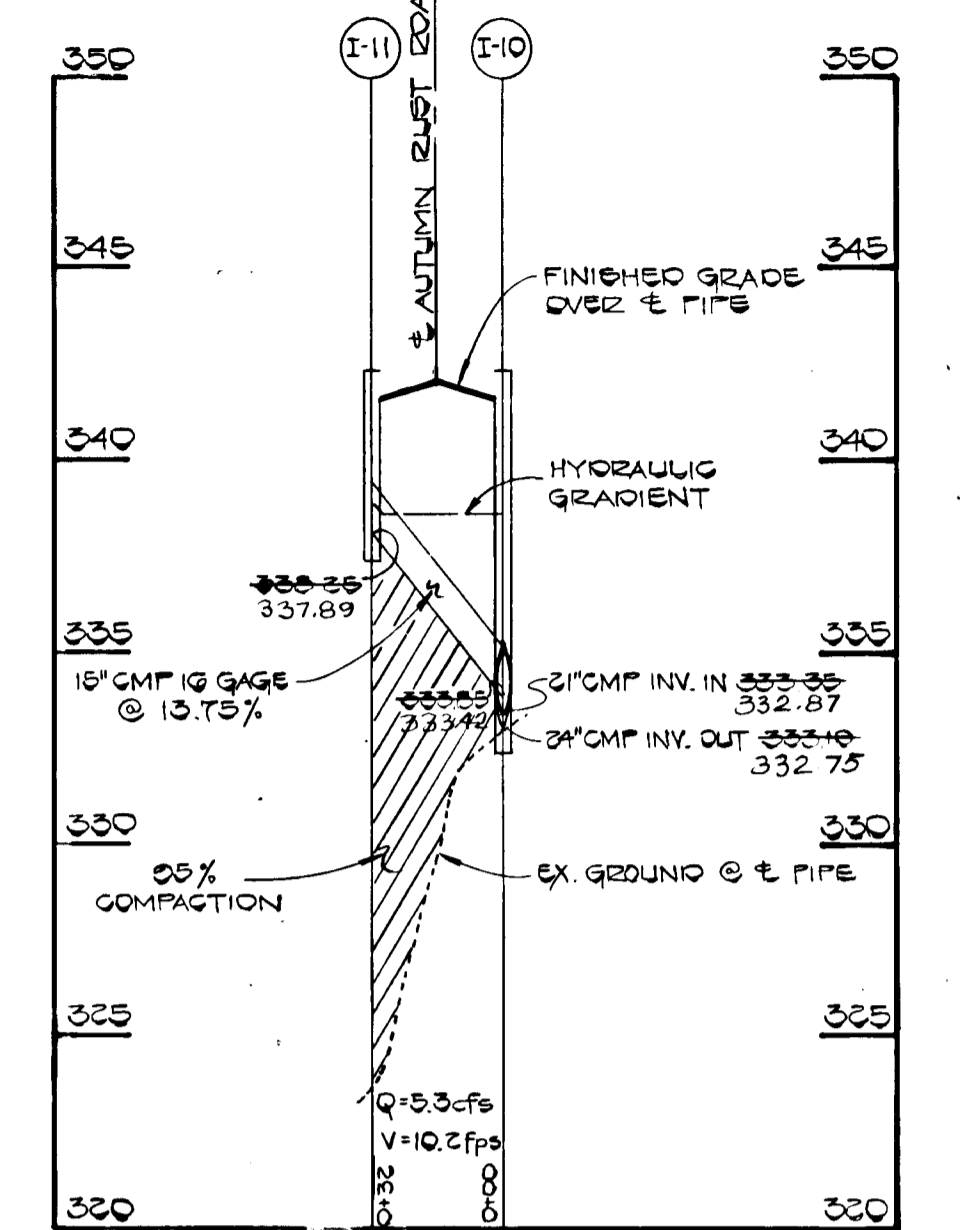
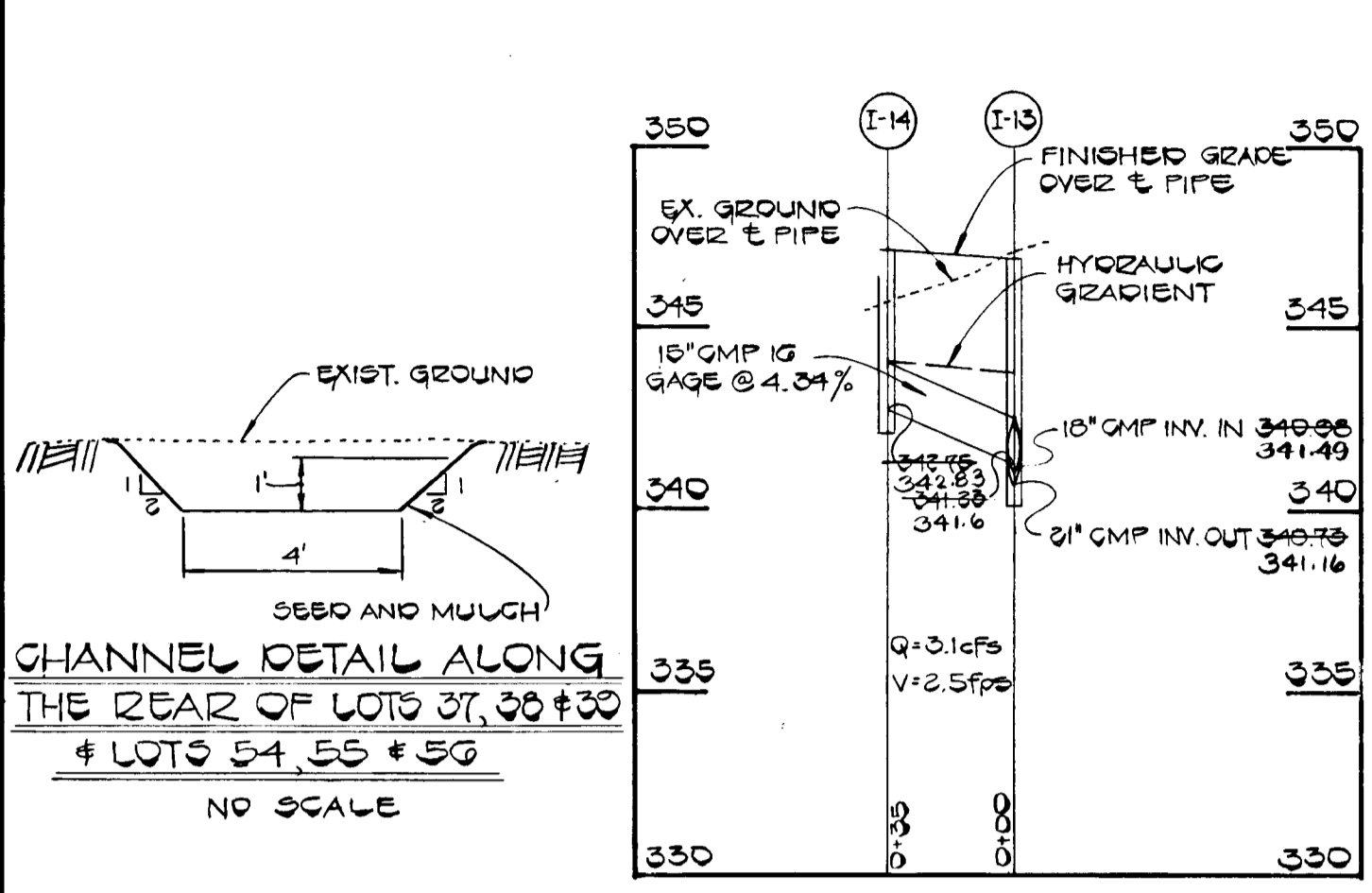
FISHER, COLLINS AND CARTER, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS
8388 COURT AVENUE
ELICOTT CITY, MARYLAND 21043

STATE OF MARYLAND
PROFESSIONAL ENGINEER
Charles J. Crovo SR.
DATE: 4/2/85

NO.	DATE	BY	REVISION
1	1/22/88	DAN	CREATE A PERMANENT POOL IN SWIM POND

APPROVED DEPARTMENT OF PUBLIC WORKS	APPROVED OFFICE OF PLANNING AND ZONING	DATE	DESCRIPTION	BY	DATE	NO.	REVISION	BY
<i>[Signature]</i> CHIEF, BUREAU OF ENGINEERING	<i>[Signature]</i> CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION	6/25/85	CHANGE "Q" & "V" FACTORS ON SELECTED PROFILES	P.A.T.	6/25/85	1	CHANGE POND INVERT.	D.A.N.
						2	REVISE SLOPE OF 60" DGGMP	

AS-BUILT SURVEY CERTIFIED
By CHARLES CROVO P.E. 13204
JANUARY 6, 1988



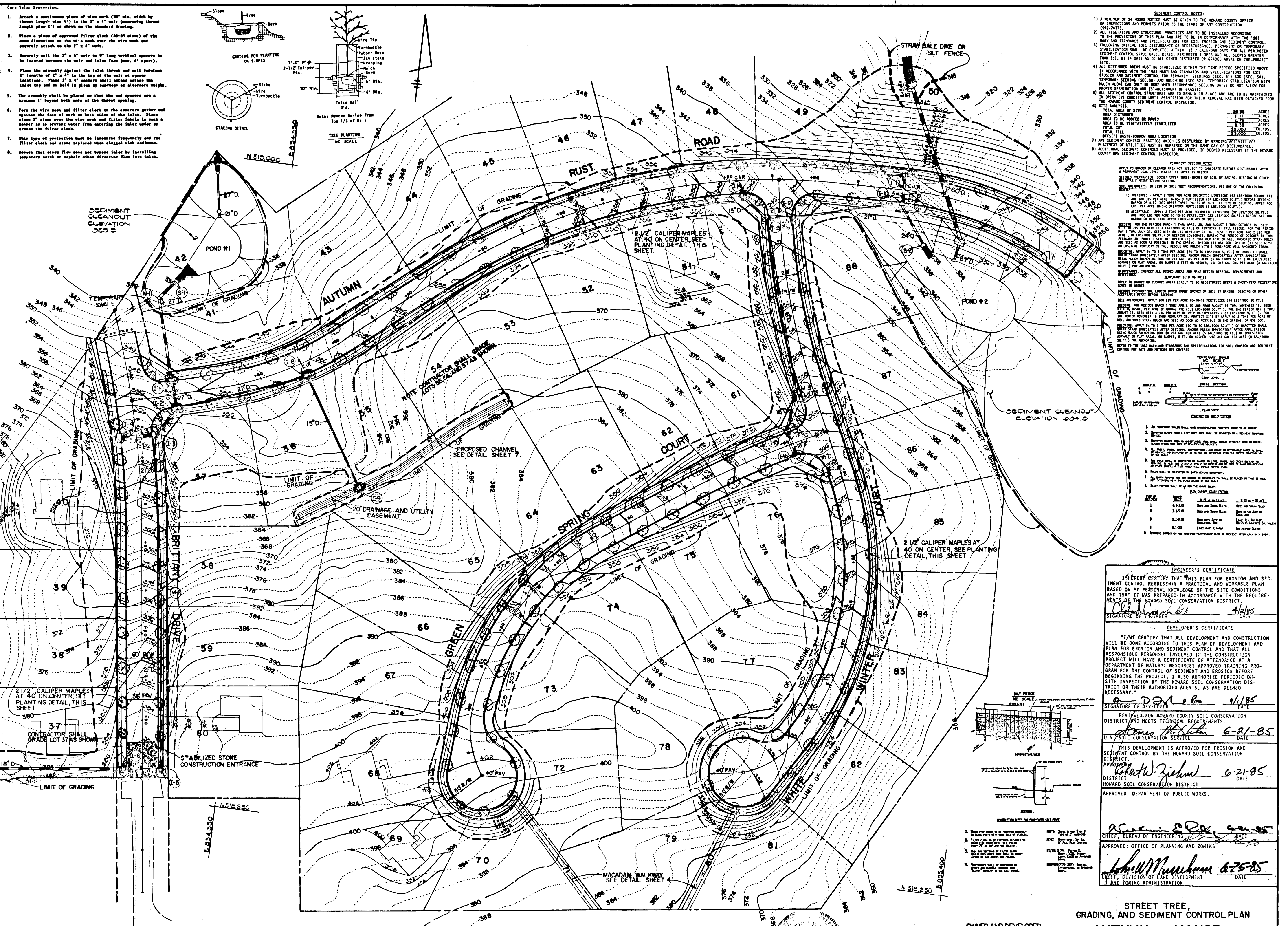
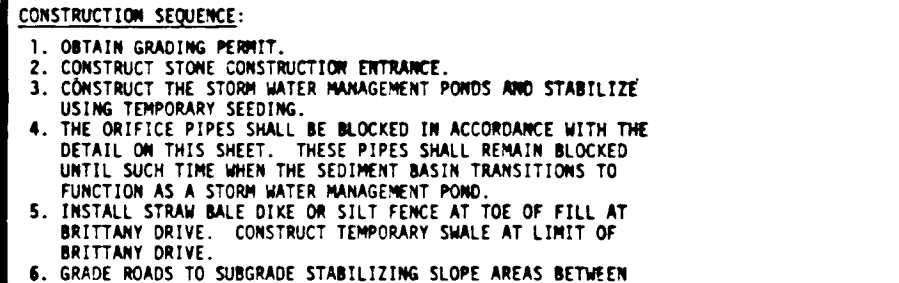
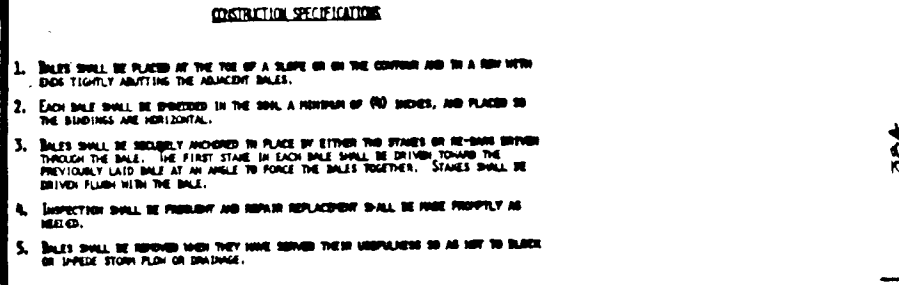
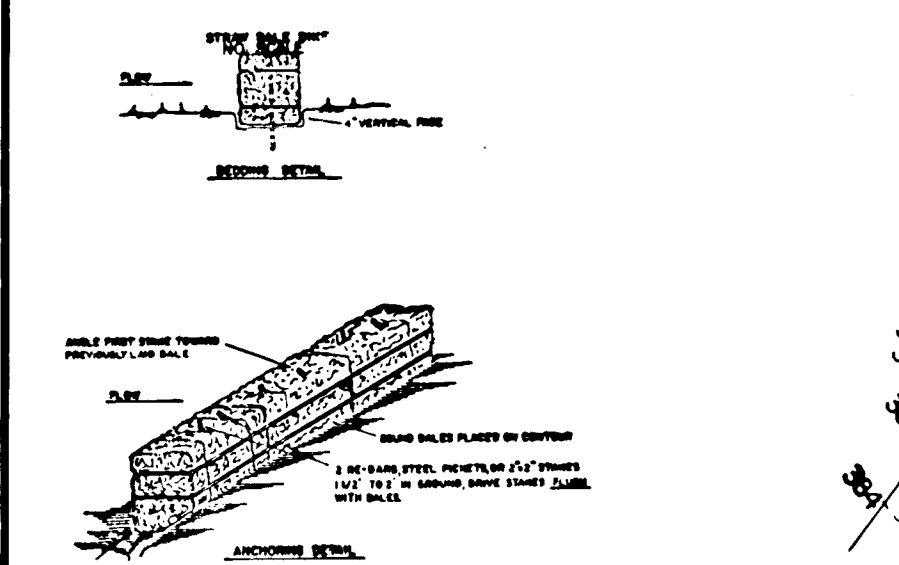
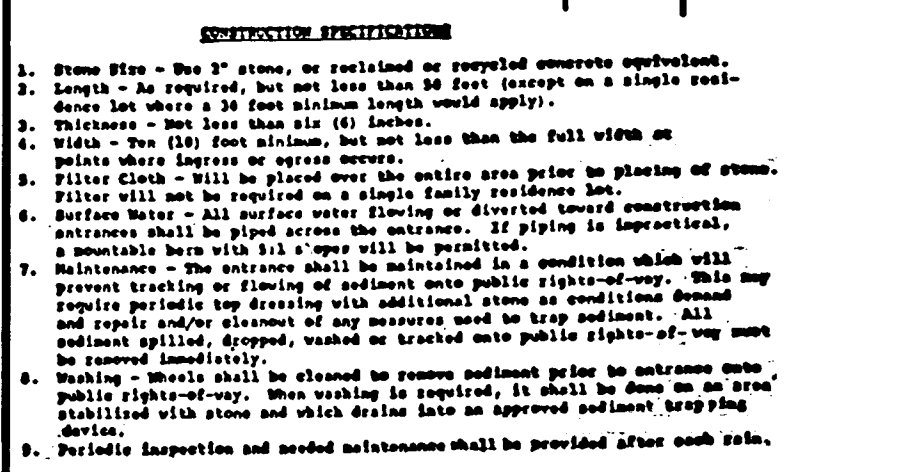
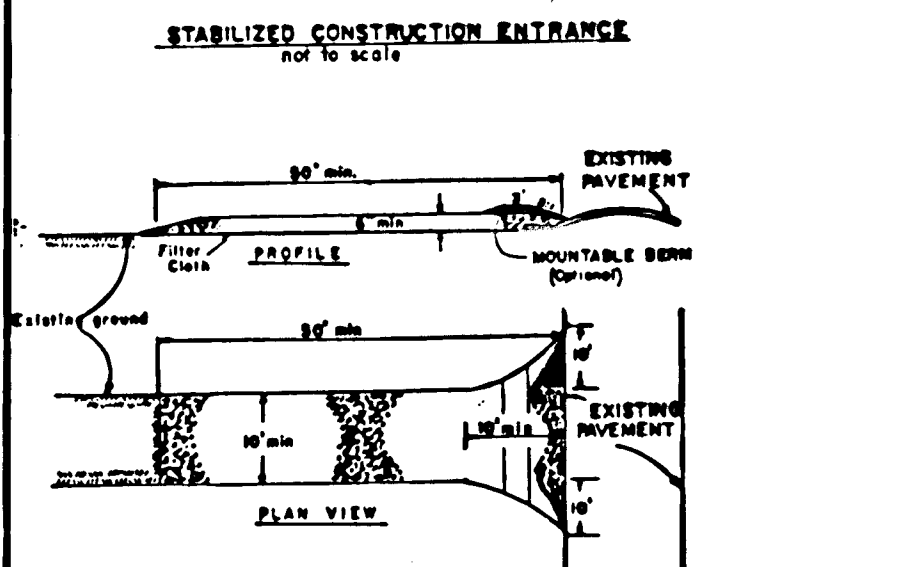
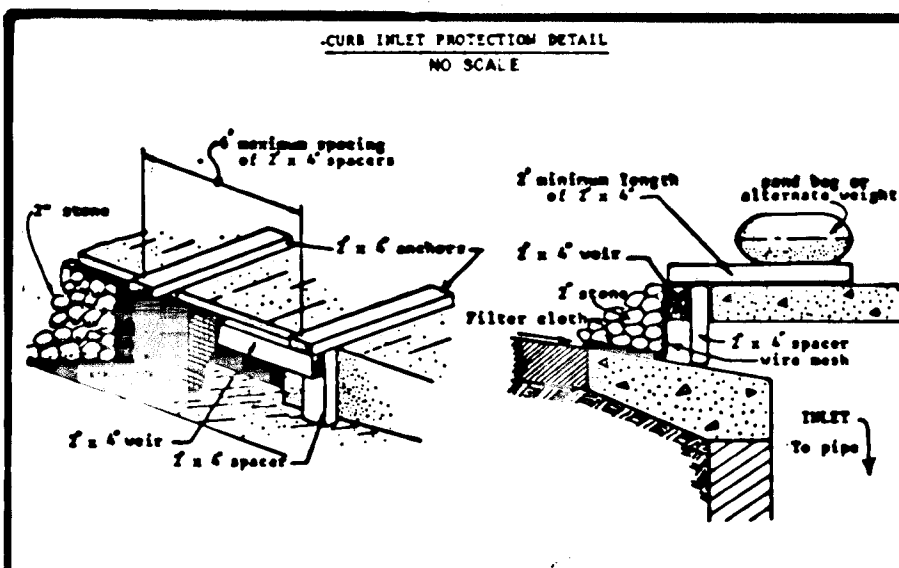
OWNER AND DEVELOPER
TAYLOR LAND SERVICE CO., INC.
C/O HOWARD COUNTY LAND SERVICES
10176 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21043

STORM DRAIN PROFILES,
SW.M. POND #2 PROFILES
AND DETAILS

AUTUMN MANOR
SECTION I AREA I
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE: AS SHOWN DATE: MARCH 22, 1985
SHEET 7 OF 8

FISHER, COLLINS AND CARTER, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS
6388 COURT AVENUE
ELLICOTT CITY, MARYLAND 21043



1. Attach a continuous piece of wire mesh (30" dia. mesh by length plus 4") to the 2" x 4" curb (bearing throat length plus 2") as shown on the standard drawing.
2. Place a piece of approved filter cloth (40-50 mesh) of the same dimension as the wire mesh over the wire mesh and securely attach to the 2" x 4" curb.
3. Securely nail the 2" x 4" curb to 2" long vertical supports to be located between the curb and the 2" x 4" curb.
4. Place the assembly against the inlet throat and wall (minimum 2" length of 2" x 4" to the top of the curb or support). Place a 2" x 4" curb over the wire mesh and filter cloth in such a manner as to prevent water from entering the inlet under or around the filter cloth.
5. The assembly shall be placed so that the curb opens on a minimum 1" beyond both ends of the throat opening.
6. Form the wire mesh and filter cloth to the concrete gutter and against the face of curb on both sides of the inlet. Place a 2" x 4" curb over the wire mesh and filter cloth in such a manner as to prevent water from entering the inlet under or around the filter cloth.
7. This type of protection must be bypassed frequently and the filter cloth and curb replaced when clogged with sediment.
8. Ensure that storm flow does not bypass inlet by installing temporary earth or asphalt along drainage flow into inlet.

1. Stone Size - No. 2 stone, as specified or recycled concrete equivalent. Length as specified, but not less than 3/4 inch (except on slight inclines less than 3/4 inch minimum length would apply).
2. Thickness - Not less than 10 inches.
3. Width - Not less than 18 inches, but not less than the full width of the inlet where the inlet is wider than the curb.
4. Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter cloth will be placed on a clean, level surface. Surface water - All surface water flowing on disturbed land immediately adjacent to the structure shall be directed to the structure. If piping is impractical, a suitable berm with 18" top will be provided.
5. Maintenance - The structure shall be maintained in a condition which will prevent tracking or blowing of sediment onto public right-of-way. This may require periodic watering of the structure. If piping is impractical, a suitable berm with 18" top will be provided. All openings shall be closed and secured against public right-of-way. All openings shall be closed and secured against public right-of-way. All openings shall be closed and secured against public right-of-way. All openings shall be closed and secured against public right-of-way.
6. Periodic inspection and needed maintenance shall be provided after each rain.

1. Stone shall be placed on the top of a curb on the ground and on a 2" x 4" curb on the ground.
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4. THE OFFICE PIPES SHALL BE BLOKED IN ACCORDANCE WITH THE DETAIL ON THIS SHEET. THESE PIPES SHALL BE UNBLOKED UNTIL SUCH TIME WHEN THE SEDIMENT BASIN TRANSITIONS TO FUNCTION AS A STORM WATER MANAGEMENT POND.
5. INSTALL STRAIN BALE DIKE OR SILT FENCE AT TOE OF FILL AT BRITANNY DRIVE. CONSTRUCT TEMPORARY SMALE AT LIMIT OF BRITANNY DRIVE.
6. GRADE ROADS TO SUBGRADE STABILIZING SLOPE AREAS BETWEEN EXISTING GROUND AND BACK OF CURB USING PERMANENT SEEDING.
7. CONSTRUCT STORM DRAIN SYSTEM.
8. INSTALL INLET PROTECTION DEVICES AT ALL STORM DRAIN INLETS. 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 PONDS WHEN THE CLEANOUT ELEVATIONS FOR POND #1, 2, 3 AND FOR POND #2, 3, 4 HAS BEEN REACHED. DURING CONSTRUCTION AND AFTER EACH RAINFALL, THE CONTRACTOR SHALL INSPECT AND PROVIDE NECESSARY MAINTENANCE ON THE SEDIMENT AND EROSION CONTROL STRUCTURES SHOWN HEREON.
11. REMOVE STONE CONSTRUCTION ENTRANCES.
12. CLEAR BASE COURSE, APPLY TOP COAT TO BASE COURSES AND LAY SURFACE COURSE. STABILIZE ALL SHOULDERS USING PERMANENT SEEDING.
13. THE STORM WATER MANAGEMENT POND SHALL BE DETAILED BY PUMPING. THE POND SHALL BE GRADED IN ACCORDANCE WITH SHEETS AND STABILIZED WITH PERMANENT SEEDING SPECIFICATIONS IN THE SEDIMENT CONTROL NOTES. INSTALL RIP-RAP APPROX: 1. ALL DISTURBED AREAS DUE TO REMOVAL OF SEDIMENT CONTROL MEASURES SHALL BE GRADED AND STABILIZED BY PERMANENT SEEDING.
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15. PIPE COUPLING BAND TO BE PLACED OVER FILTER CLOTH, AND WIRE MESH.

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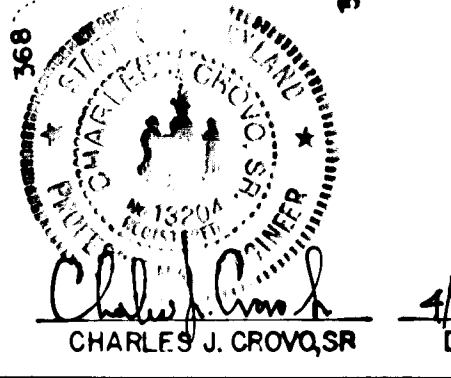
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CONSULTING ENGINEERS AND LAND SURVEYORS
10200 COURT AVENUE
ELLICOTT CITY, MARYLAND 21043
TELEPHONE: (301) 461-2855

PLAN
SCALE: 1" = 50'
AS-BUILT SURVEY CERTIFIED
BY CHARLES CROVO P.E. 13204
JANUARY 6, 1988



OWNER AND DEVELOPER
TAYLOR LAND SERVICE CO., INC.
C/O HOWARD COUNTY LAND SERVICES
1076 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21043

STREET TREE,
GRADING, AND SEDIMENT CONTROL PLAN
AUTUMN MANOR
SECTION I AREA 1
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN SHEET 8 OF 8 MARCH 22, 1988

- 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 (ENR-2437).
 - 2) ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE SPECIFICATIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1983 MARLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
 - 3) FOLLOWS INITIAL SOIL DISTURBANCE OR RESTORATION, PERMANENT OR TEMPORARY STABILIZATION SHALL BE ACCEPTED WITHIN: a) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DICES, SMALES, DITCH PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1; b) 14 DAYS FOR ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
 - 4) ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE MARLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (SEC. 871.503 (SEC. 84), TEMPORARY SEEDINGS (SEC. 871.504 (SEC. 84)), PERMANENT OR TEMPORARY STABILIZATION WITH PERMANENT SEEDING SHALL BE ACCEPTED WITHIN: a) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DICES, SMALES, DITCH PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1; b) 14 DAYS FOR ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
 - 5) ALL SEDIMENT CONTROL STRUCTURES ARE TO BE PLACED AND ARE TO BE MAINTAINED FOR THE LIFE OF THE PROJECT UNTIL PERMITS FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
 - 6) SITE ANALYSIS:
AREA TO BE DISTURBED OR GRADED: 28.88 ACRES
AREA TO BE VEGETATIVELY STABILIZED: 2.88 ACRES
TOTAL CUT: 2.88 ACRES
TOTAL FILL: 28.88 CU. YDS.
TOTAL DISTURBED/STABILIZED AREA: 31.76 ACRES
 - 7) ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
8) ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SOIL SEDIMENT CONTROL INSPECTOR.

- APPLY TO SHOULDER OR CLEAR AREA NOT SUBJECT TO DISTURBANCE FURTHER DISTANCE WITH A PERMANENT VEGETATIVE COVER IS NEEDED.
- 1) PERMANENT SEEDING: 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. APPLY 400 LBS. PER ACRE 30-30-30 UNIFORM FERTILIZER (80 LB/1000 SQ. FT.) BEFORE SEEDING.
 - 2) ACCEPTABLE: 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. APPLY 400 LBS. PER ACRE 30-30-30 UNIFORM FERTILIZER (80 LB/1000 SQ. FT.) BEFORE SEEDING.
 - 3) PERIODS: PERIODS WHICH 1. FROM APRIL 30, AND FROM AUGUST 1 TO OCTOBER 15, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 2. FROM OCTOBER 15, TO APRIL 30, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 3. FROM APRIL 30, TO OCTOBER 15, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 4. FROM OCTOBER 15, TO APRIL 30, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 5. FROM APRIL 30, TO OCTOBER 15, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 6. FROM OCTOBER 15, TO APRIL 30, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 7. FROM APRIL 30, TO OCTOBER 15, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 8. FROM OCTOBER 15, TO APRIL 30, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 9. FROM APRIL 30, TO OCTOBER 15, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 10. FROM OCTOBER 15, TO APRIL 30, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 11. FROM APRIL 30, TO OCTOBER 15, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 12. FROM OCTOBER 15, TO APRIL 30, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 13. FROM APRIL 30, TO OCTOBER 15, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 14. FROM OCTOBER 15, TO APRIL 30, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 15. FROM APRIL 30, TO OCTOBER 15, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 16. FROM OCTOBER 15, TO APRIL 30, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 17. FROM APRIL 30, TO OCTOBER 15, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 18. FROM OCTOBER 15, TO APRIL 30, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 19. FROM APRIL 30, TO OCTOBER 15, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 20. FROM OCTOBER 15, TO APRIL 30, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 21. FROM APRIL 30, TO OCTOBER 15, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 22. FROM OCTOBER 15, TO APRIL 30, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 23. FROM APRIL 30, TO OCTOBER 15, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 24. FROM OCTOBER 15, TO APRIL 30, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 25. FROM APRIL 30, TO OCTOBER 15, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 26. FROM OCTOBER 15, TO APRIL 30, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 27. FROM APRIL 30, TO OCTOBER 15, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 28. FROM OCTOBER 15, TO APRIL 30, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 29. FROM APRIL 30, TO OCTOBER 15, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 30. FROM OCTOBER 15, TO APRIL 30, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 31. FROM APRIL 30, TO OCTOBER 15, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 32. FROM OCTOBER 15, TO APRIL 30, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 33. FROM APRIL 30, TO OCTOBER 15, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 34. FROM OCTOBER 15, TO APRIL 30, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 35. FROM APRIL 30, TO OCTOBER 15, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 36. FROM OCTOBER 15, TO APRIL 30, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 37. FROM APRIL 30, TO OCTOBER 15, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 38. FROM OCTOBER 15, TO APRIL 30, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 39. FROM APRIL 30, TO OCTOBER 15, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 40. FROM OCTOBER 15, TO APRIL 30, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 41. FROM APRIL 30, TO OCTOBER 15, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 42. FROM OCTOBER 15, TO APRIL 30, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 43. FROM APRIL 30, TO OCTOBER 15, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 44. FROM OCTOBER 15, TO APRIL 30, SEED SHALL BE 1 TON PER ACRE OF OPTIC LIMESTONE (80 LB/1000 SQ. FT.) AND 1 TON PER ACRE OF SUPERPHOSPHATE (80 LB/1000 SQ. FT.) BEFORE SEEDING. PERIODS WHICH 45. FROM APRIL