

**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) ALL INLETS SHALL BE HOWARD COUNTY STANDARDS UNLESS OTHERWISE SHOWN. ALL "A" INLETS SHALL BE DEPRESSED.
- 4) STORM DRAIN TRENCHES WITHIN ROAD RIGHTS-OF-WAYS SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH HOWARD COUNTY ROAD CODE.
- 5) ANY DAMAGE TO PUBLIC RIGHTS-OF-WAYS OR PAVING WILL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
- 6) CONTRACTOR TO NOTIFY THE HOWARD COUNTY DEPT. OF INSPECTION AT LEAST 3 DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS. TELEPHONE: 792-7272
- 7) CONTRACTOR SHALL NOTIFY THE HOWARD COUNTY SURVEY DIVISION FOR POSSIBLE RELOCATION OR ADJUSTMENT OF CONTROL STATIONS 3035002 AND 3035003 AT LEAST TWO WEEKS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS. TELEPHONE: 792-7272
- 8) ALL TRAFFIC CONTROL DEVICES SHALL BE INSTALLED IN COMPLIANCE WITH THE MUTCD, 1978 EDITION.

APPROVED  
DEPARTMENT OF PUBLIC WORKS  
*[Signature]* 2-4-86  
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED  
OFFICE OF PLANNING AND ZONING  
*[Signature]* 1-31-86  
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

# BUCKSKIN WOODS SECTION ONE

**INDEX OF SHEETS**

- 1) TITLE SHEET
- 2) FOLLY QUARTER ROAD - PLAN AND PROFILE
- 3) FOLLY QUARTER ROAD - PLAN AND PROFILE
- 4) BUCKSKIN LAKE DRIVE - PLAN AND PROFILE
- 5) BUCKSKIN LAKE DRIVE - PLAN AND PROFILE
- 6) BUCKSKIN LAKE DRIVE - PLAN AND PROFILE
- 7) BUCKSKIN WOOD DRIVE - PLAN AND PROFILE
- 8) ROAD SECTIONS AND DETAILS.
- 9) DRAINAGE AREA MAP.
- 10) STORM DRAINAGE PROFILES
- 11) STORM DRAINAGE PROFILES AND DETAILS
- 12) GRADING AND SEDIMENT CONTROL PLAN
- 13) GRADING AND SEDIMENT CONTROL PLAN

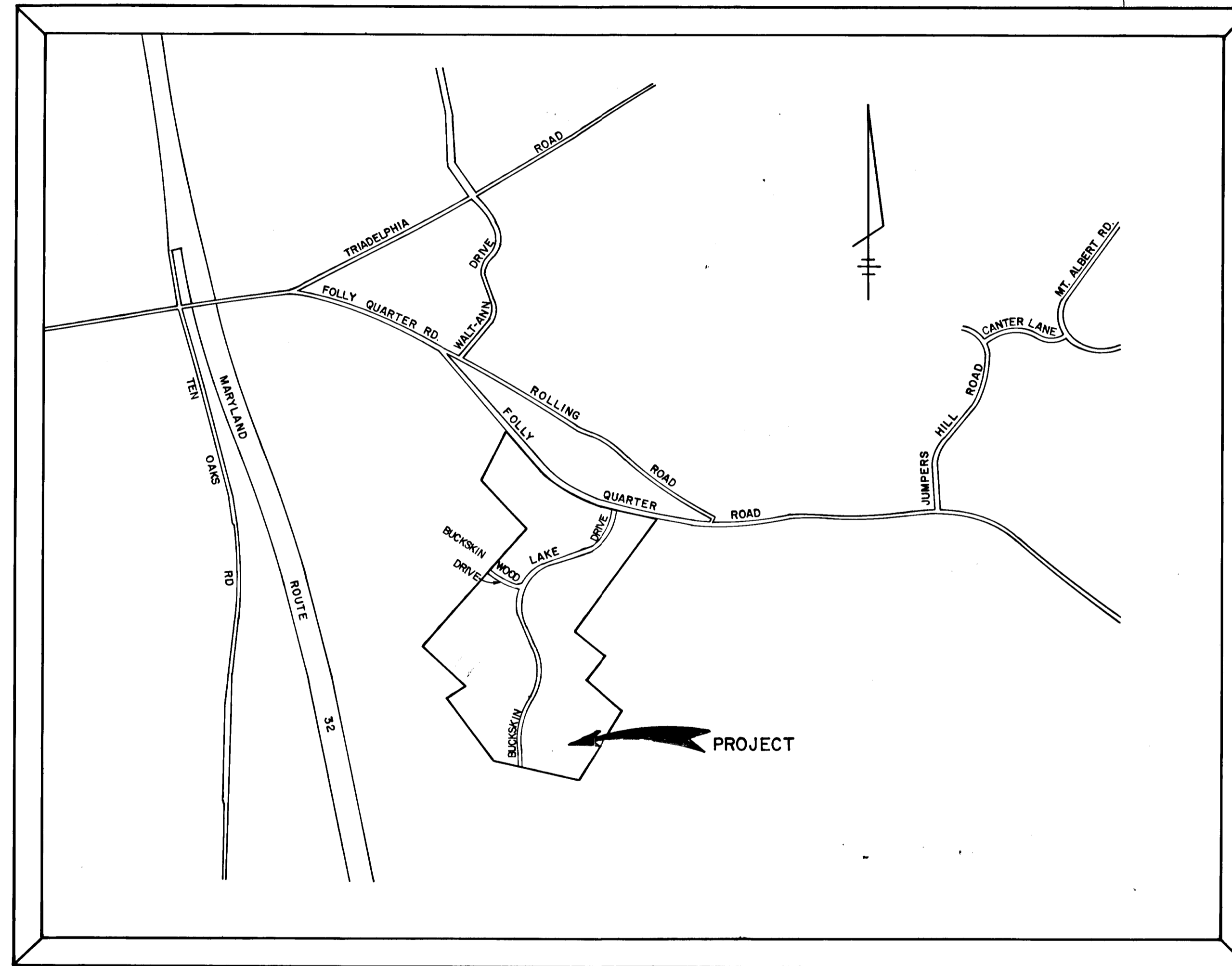
**BENCH MARKS**

1) B.M. #3035002 ELEV. 493.080  
3/4" REBAR SET 0.6' BELOW SURFACE, 12.6' OPPOSITE Q. STA. 1+25 FOLLY QUARTER ROAD

2) B.M. #3035003 ELEV. 501.265  
CONCRETE MONUMENT SET 0.4' BELOW SURFACE, 14.5' OPPOSITE Q. STA 6+82 FOLLY QUARTER ROAD

HORIZONTAL CONTROL POINTS:  
B.M. # 3035002 N 518 569.698  
E 809 977.965  
B.M. # 3035003 N 518 771.854  
E 808 854.115

BUCKSKIN LAKE DRIVE LENGTH 4108'  
BUCKSKIN WOOD DRIVE LENGTH 505'



**VICINITY MAP**  
SCALE: 1" = 1200'

IS-BUILD SURVEY CERTIFIED BY  
CHARLES J. CROVO, SR. REG.-P.E. No. 13804  
ON Nov. 20, 1985

*[Signature]*  
CHARLES J. CROVO, SR. DATE 11/20/85

OWNER AND DEVELOPER  
DALE Z. MAISEL C/O  
**HOWARD COUNTY LAND SERVICES, INC.**  
10178 BALTIMORE NATIONAL PIKE - SUITE 202 - ELLICOTT CITY, MD. 21048

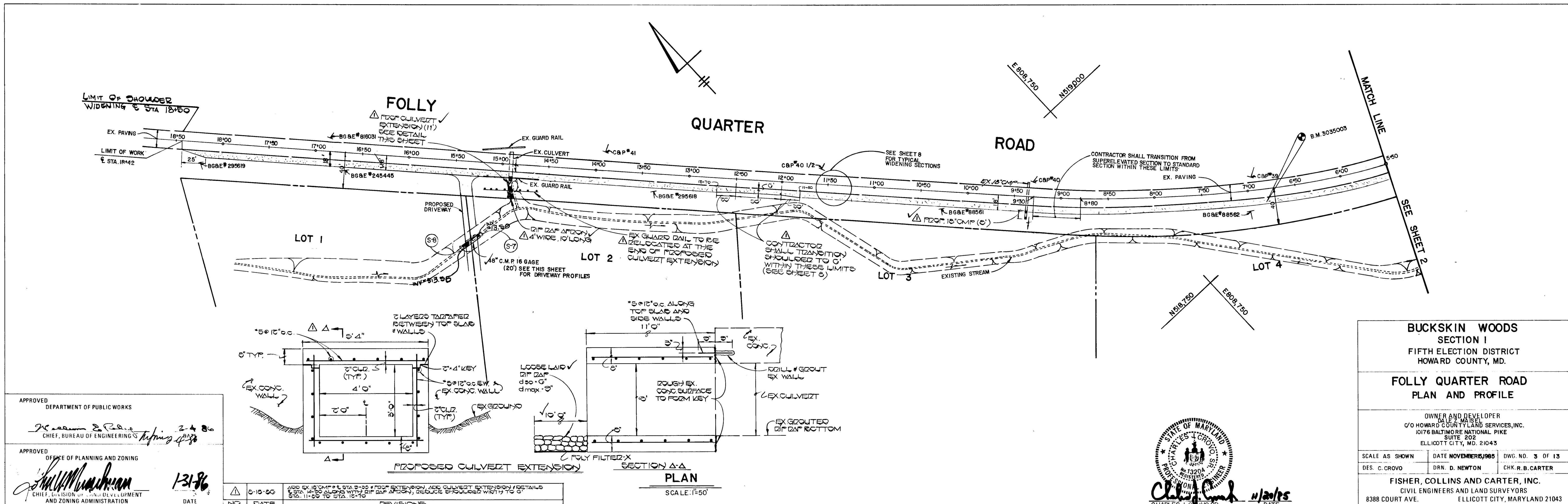
**FISHER, COLLINS, AND CARTER, INC.**  
CONSULTING ENGINEERS AND LAND SURVEYORS  
8338 COURT AVENUE  
ELLICOTT CITY, MARYLAND 21043  
TELEPHONE (301) 461-2855

AS-BUILT

11/20/85



DATE	
BY	
CHECKED	
PLANNING	
DESIGN	
CONSTRUCTION	
NO.	



APPROVED  
DEPARTMENT OF PUBLIC WORKS  
*[Signature]*  
CHIEF, BUREAU OF ENGINEERING

APPROVED  
OFFICE OF PLANNING AND ZONING  
*[Signature]*  
CHIEF, DIVISION OF PLANNING AND ZONING ADMINISTRATION

DATE: 11/20/85

NO.	DATE	REVISIONS
1	0-10-85	ADD EX. 10" C.M.P. @ STA 9+00 & PROPOSED EXTENSION, ADD CULVERT EXTENSION & DETAILS @ STA. 11+00 TO STA. 15+00, RELOCATE EX. 10" C.M.P. @ STA. 11+00 TO STA. 15+00

**BUCKSKIN WOODS**  
SECTION I  
FIFTH ELECTION DISTRICT  
HOWARD COUNTY, MD.

**FOLLY QUARTER ROAD**  
PLAN AND PROFILE

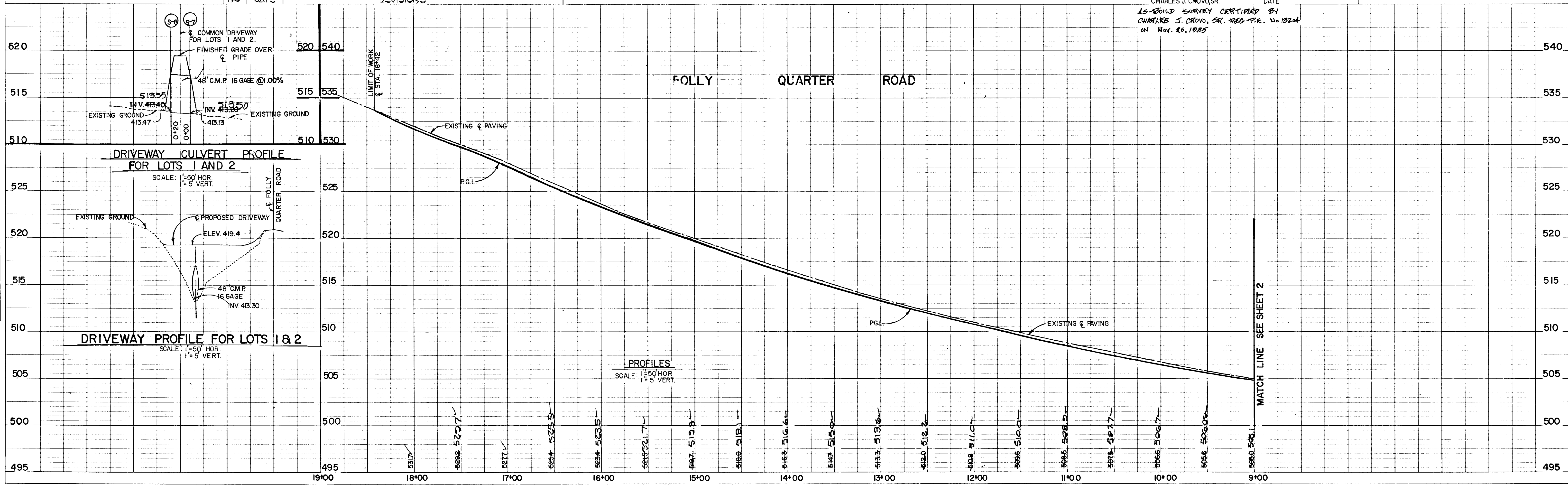
OWNER AND DEVELOPER  
DALE F. MOORE  
C/O HOWARD COUNTY LAND SERVICES, INC.  
10176 BALTIMORE NATIONAL PIKE  
SUITE 202  
ELLICOTT CITY, MD. 21043

SCALE AS SHOWN | DATE NOVEMBER 1985 | DWG. NO. 3 OF 13  
DES. C. CROVO | DRN. D. NEWTON | CHK. R. B. CARTER

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

*[Seal of Charles J. Crovo, Sr.]*  
CHARLES J. CROVO, SR. | DATE 11/20/85  
15-BOND SURVEY CERTIFIED BY  
CHARLES J. CROVO, SR. REG. P.E. 1101204  
ON Nov. 20, 1985

DATE	
BY	
CHECKED	
PLANNING	
DESIGN	
CONSTRUCTION	
NO.	



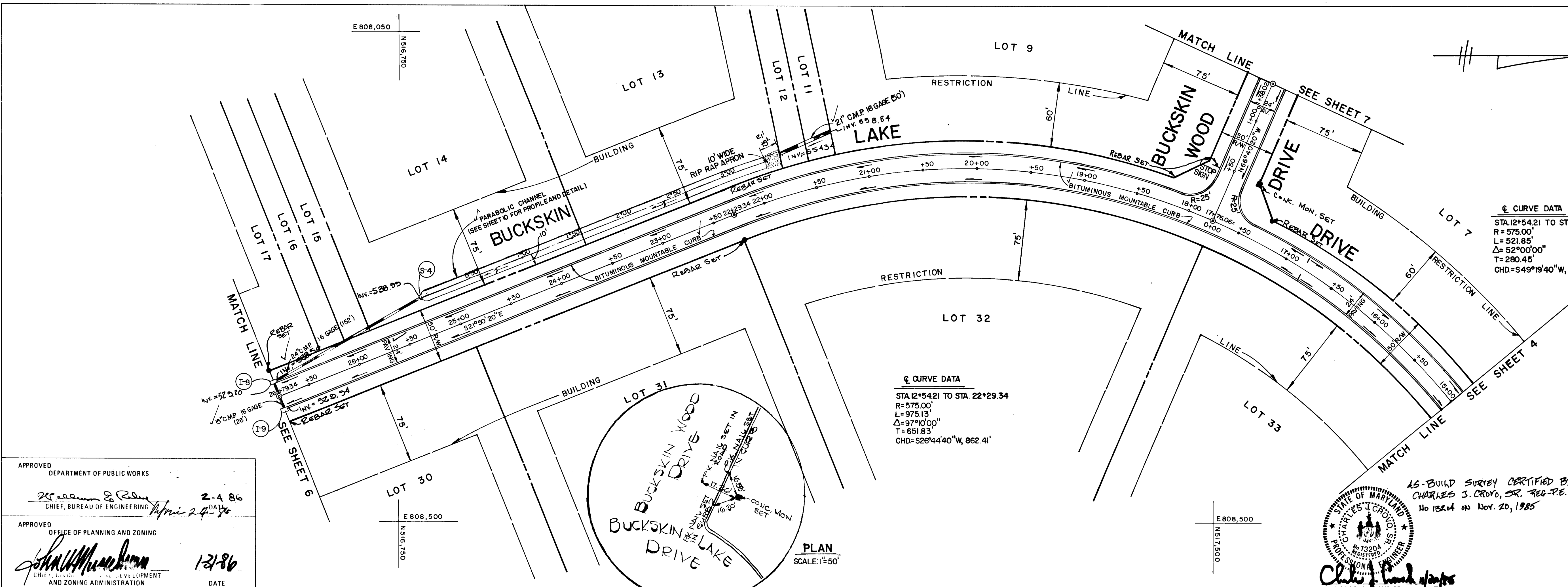
#1175

11/20/85



DATE	
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SURVEYED	
ALIGNED	
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RT. OF WAY	
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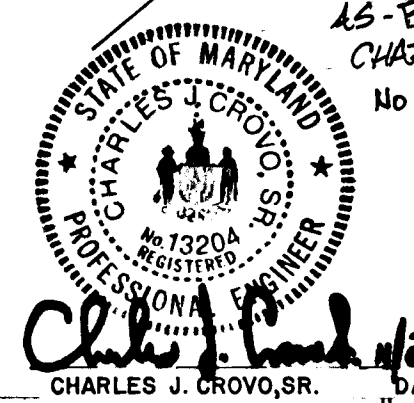
APPROVED	
DEPARTMENT OF PUBLIC WORKS	
DATE	2-4-86
CHIEF, BUREAU OF ENGINEERING	
APPROVED	
OFFICE OF PLANNING AND ZONING	
DATE	1-21-86
CHIEF, PLANNING AND ZONING DEPARTMENT	



@ CURVE DATA  
 STA 12+54.21 TO STA. 17+76.06  
 R = 575.00'  
 L = 521.85'  
 $\Delta = 52^{\circ}00'00''$   
 T = 280.45'  
 CHD =  $S 49^{\circ}19'40'' W, 504.13'$

@ CURVE DATA  
 STA 12+54.21 TO STA. 22+29.34  
 R = 575.00'  
 L = 975.13'  
 $\Delta = 97^{\circ}10'00''$   
 T = 651.83'  
 CHD =  $S 28^{\circ}44'40'' W, 862.41'$

PLAN  
 SCALE: 1" = 50'



AS-BUILD SURVEY CERTIFIED BY  
 CHARLES J. CROVO, SR., P.E.  
 No. 15204 on Nov. 20, 1985

**BUCKSKIN WOODS**  
 SECTION I  
 FIFTH ELECTION DISTRICT  
 HOWARD COUNTY, MD.

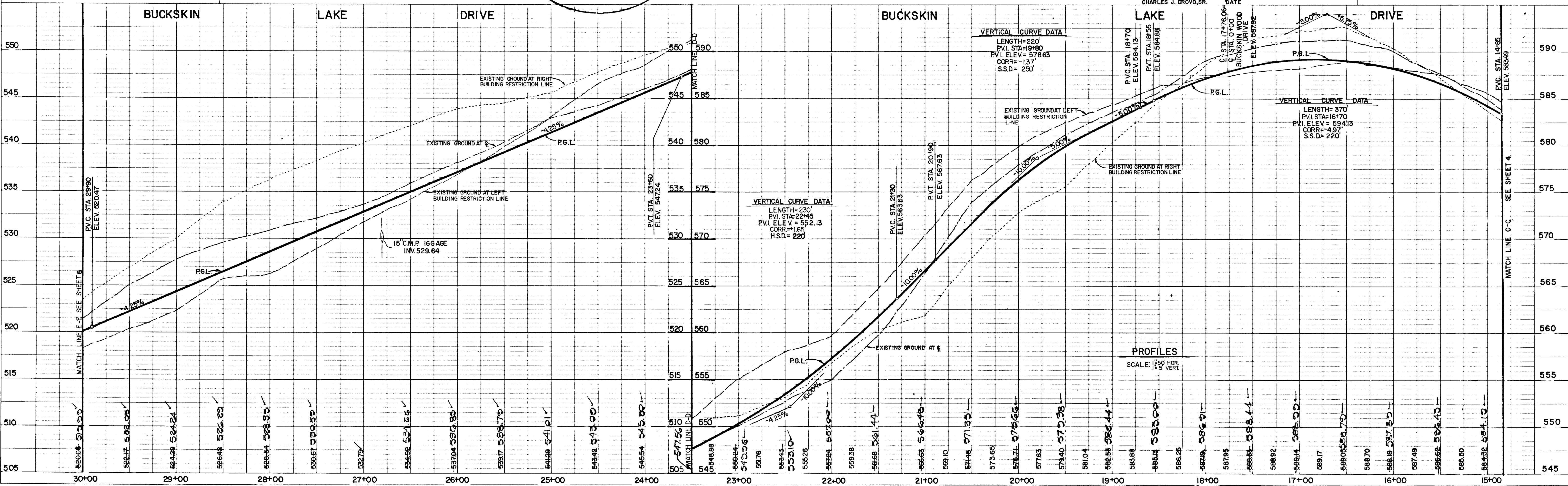
**BUCKSKIN LAKE DRIVE**  
 PLAN AND PROFILE

OWNER AND DEVELOPER  
 DALE Z. MAISEL  
 C/O HOWARD COUNTY LAND SERVICES, INC.  
 1075 BALTIMORE NATIONAL PIKE  
 SUITE 202  
 ELLICOTT CITY, MD. 21043

SCALE AS SHOWN	DATE NOVEMBER 15, 1985	DWG. NO. 4 OF 13
DES. C. CROVO	DRN. D. NEWTON	CHK. R.B. CARTER

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

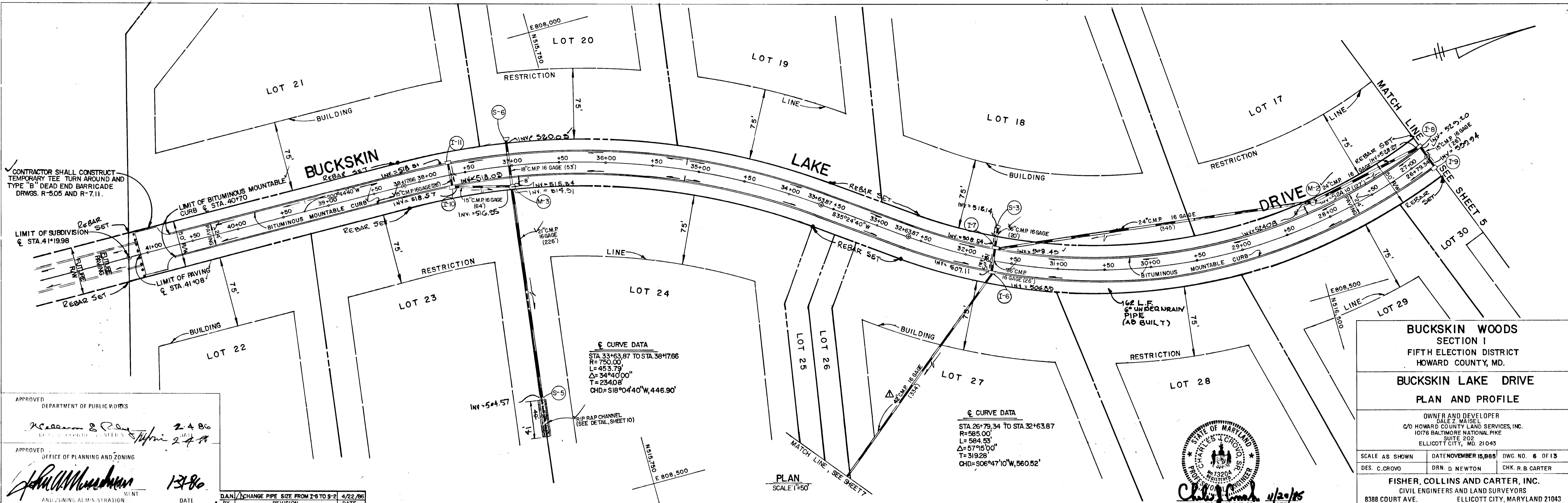
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11/20/85

DATE	
BY	
REVISIONS	
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APPROVED DEPARTMENT OF PUBLIC WORKS  
*Richard S. Ray* 2-4-86  
 DATE

APPROVED OFFICE OF PLANNING AND ZONING  
*John W. Mansfield* 1-31-86  
 DATE

DATE 4/22/86  
 BY REVISION

**BUCKSKIN WOODS SECTION I**  
 FIFTH ELECTION DISTRICT  
 HOWARD COUNTY, MD.

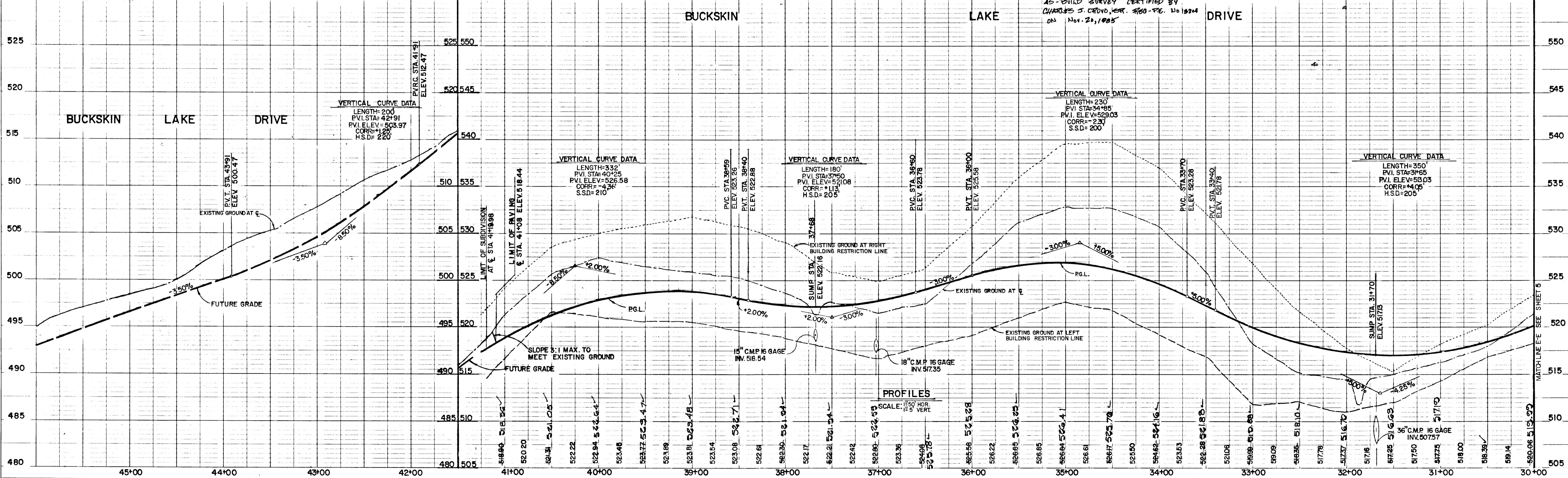
**BUCKSKIN LAKE DRIVE**  
 PLAN AND PROFILE

OWNER AND DEVELOPER  
 DATE 2-1-86  
 C/O HOWARD COUNTY LAND SERVICES, INC.  
 10176 BALTIMORE NATIONAL PIKE  
 SUITE 202  
 ELLICOTT CITY, MD. 21043

SCALE AS SHOWN DATE NOVEMBER 15, 1985 DWG. NO. 6 OF 13  
 DES. C. GROVO DRN. D. NEWTON CHK. R. B. CARTER

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

DATE	
BY	
REVISIONS	
NO. 1	
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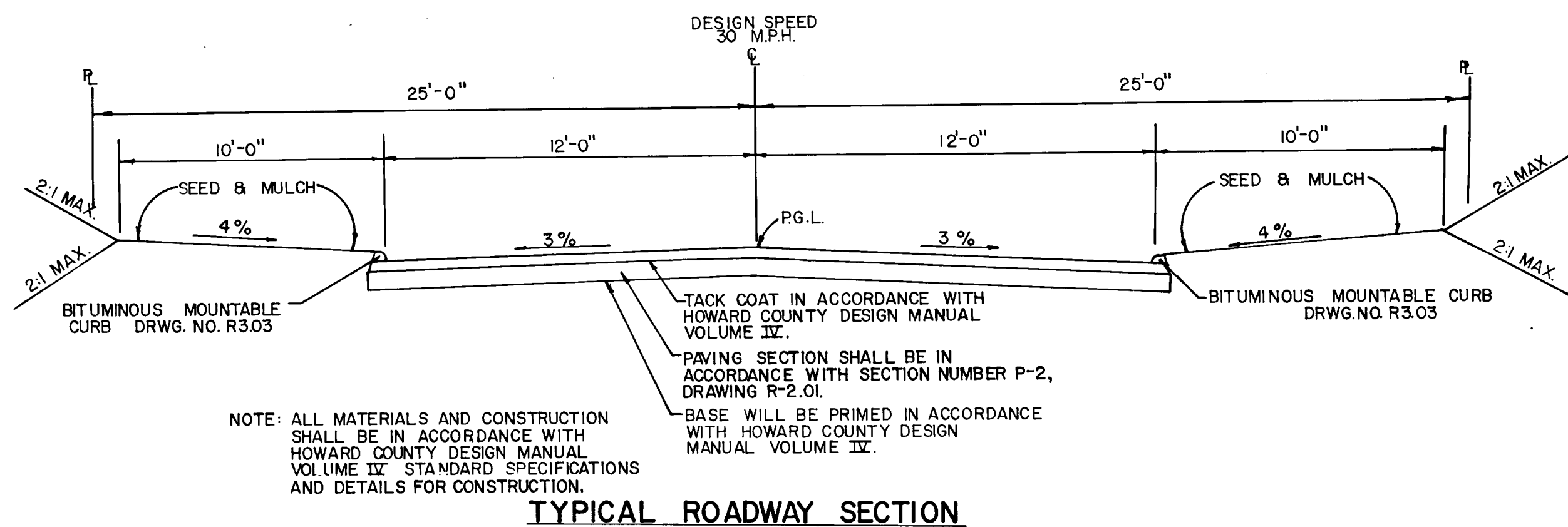
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11/20/85



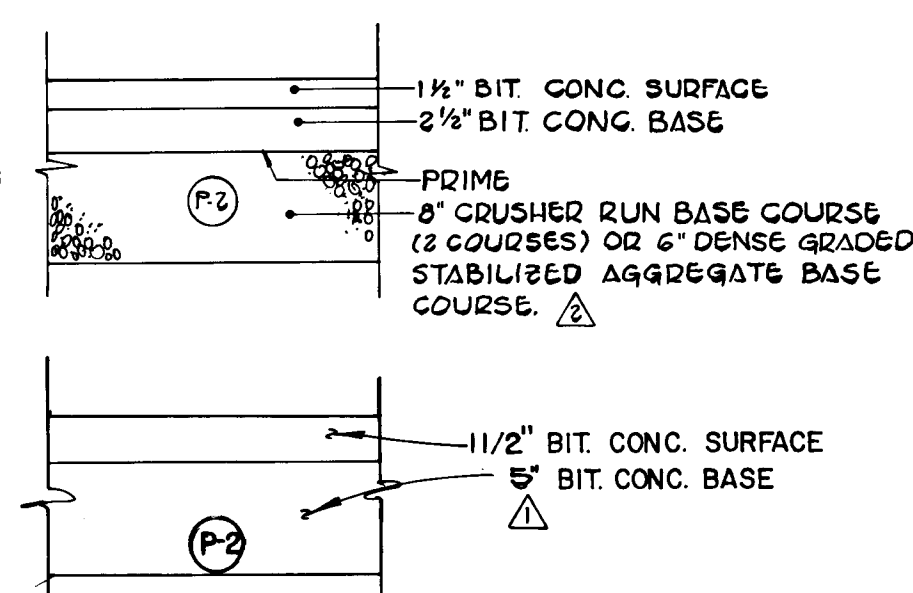
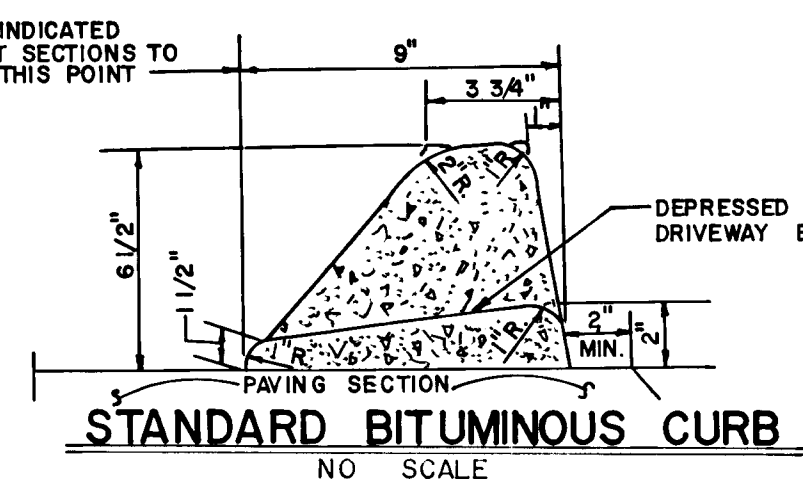
BUCKSKIN LAKE DRIVE  
ZONED R  
CLASSIFICATION; LOCAL ROAD  
LIMITS @ STA. 0+40 TO @ STA. 4+70

BUCKSKIN WOOD DRIVE  
ZONED R  
CLASSIFICATION; LOCAL ROAD  
LIMITS @ STA. 0+00 TO @ STA. 4+67

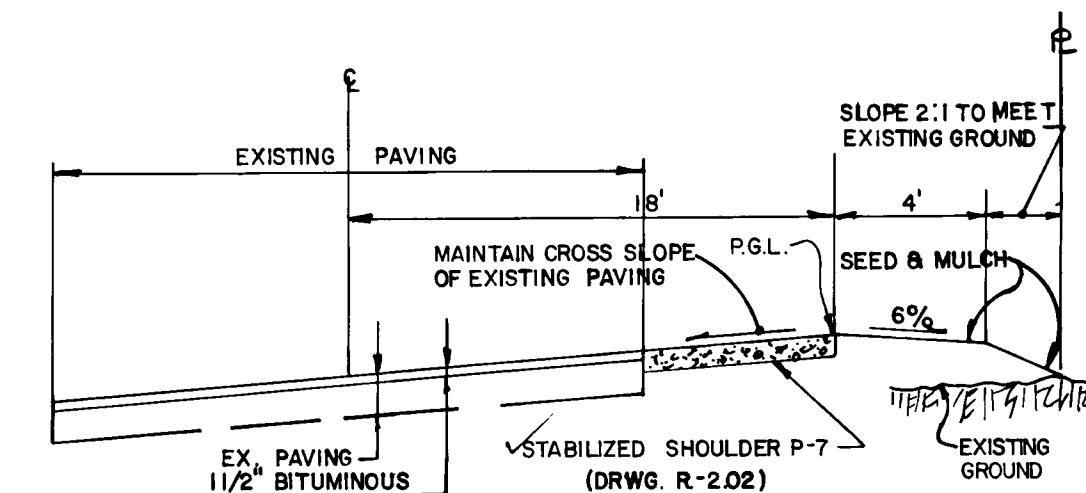
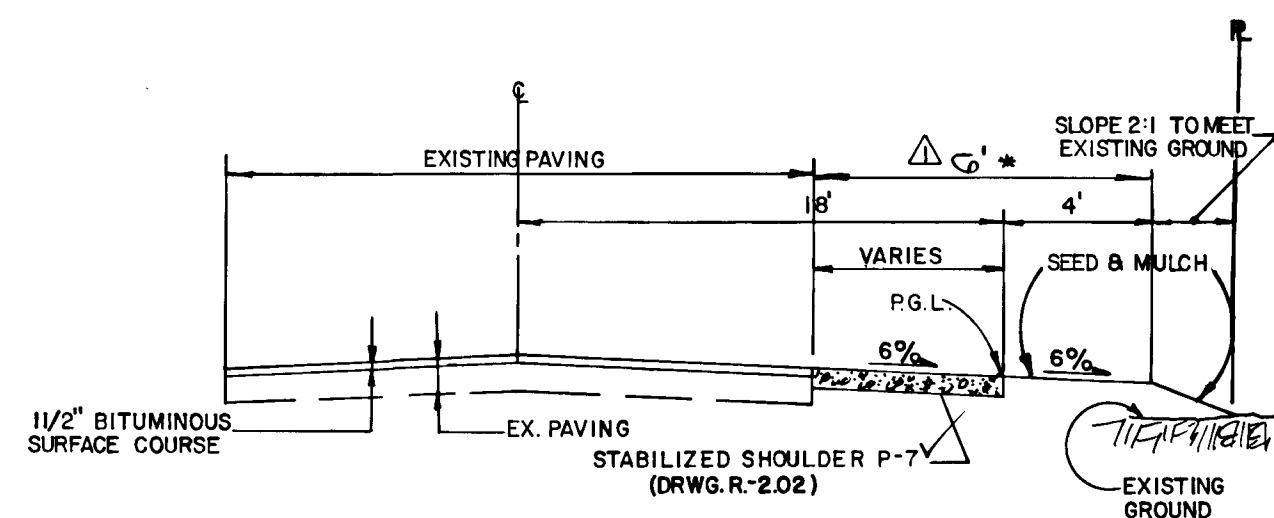


TYPICAL ROADWAY SECTION  
NO SCALE

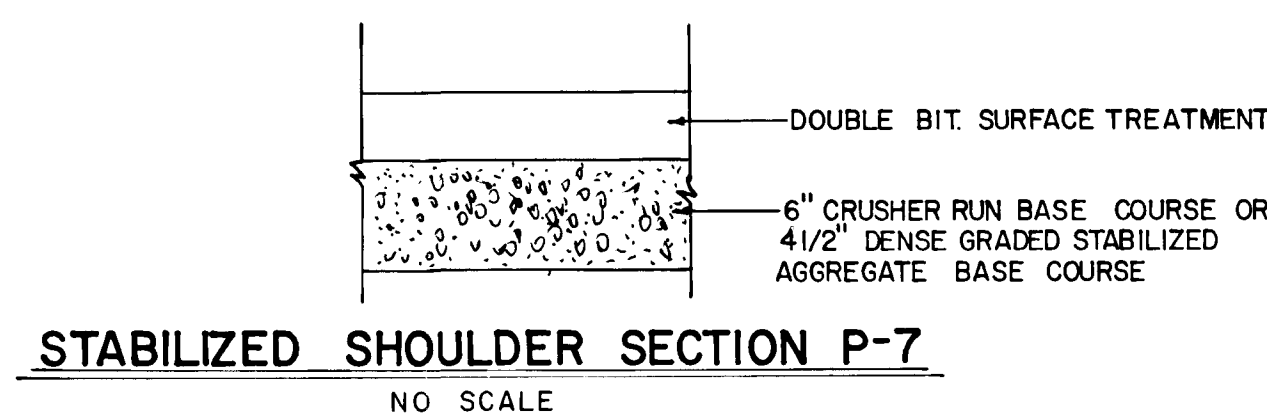
PAVEMENT WIDTH INDICATED ON TYPICAL STREET SECTIONS TO BE MEASURED TO THIS POINT



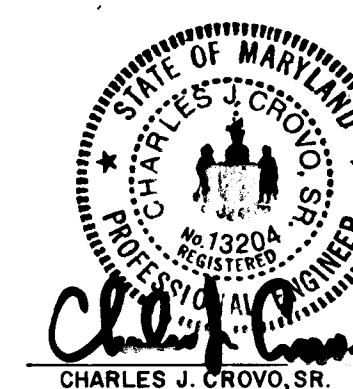
△ DENOTES SHOULDER WIDTH FROM STA. 12+00 TO STA. 12+50



TYPICAL WIDENING SECTIONS  
ALONG FOLLY QUARTER ROAD



AS-BUILT SURVEY CERTIFIED BY CHARLES J. CROVO, SR., REC. RE. No. 12044 ON Nov. 20, 1985



11/20/85  
DATE

BUCKSKIN WOODS  
SECTION I  
FIFTH ELECTION DISTRICT  
HOWARD COUNTY, MD.

ROAD SECTIONS AND DETAILS

OWNER AND DEVELOPER  
DALE F. MAISEL  
C/O HOWARD COUNTY LAND SERVICES, INC.  
10176 BALTIMORE NATIONAL PIKE  
SUITE 202  
ELlicOTT CITY, MD. 21043

SCALE AS SHOWN DATE NOVEMBER 5, 1985 DWG. NO. 8 OF 13

DES. C. CROVO DRN. D. NEWTON CHK. R. B. CARTER

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

DATE  
BY  
SURVEYED  
GRADES CHECKED  
B.M. NOTED  
STRUCTURE NOTATION CHKD  
PLAN  
NOTE BOOK NO.

APPROVED  
DEPARTMENT OF PUBLIC WORKS  
2 4 85  
CHIEF, BUREAU OF ENGINEERING

APPROVED  
OFFICE OF PLANNING AND ZONING  
13186  
DATE

NO.	DATE	REVISION
1	10-27-86	ADD CRUSHED RUN PAVING SECTION.
2	5-10-86	REVISE PAVING SECTION TO FULL BITUMINOUS INSTEAD OF CRUSHED RUN
3		REVISION

DATE  
BY  
SURVEYED  
GRADES CHECKED  
B.M. NOTED  
STRUCTURE NOTATION CHKD  
PROFILE  
NOTE BOOK NO.

# 175



APPROVED  
 DEPARTMENT OF PUBLIC WORKS  
 CHIEF, BUREAU OF ENGINEERING  
 DATE 2-4-86

APPROVED  
 OFFICE OF PLANNING AND ZONING  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION  
 DATE 1-31-86



▨ DENOTES 10,000 SQUARE FEET PRIVATE SEWAGE EASEMENT.  
 □ DENOTES APPROXIMATE LOCATION OF DWELLING.

# 1175

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



16-BUILD SURVEY CERTIFIED  
 BY CHARLES S. CROVO, SR. No 13204  
 ON Nov. 20, 1985

Charles S. Crovo, Sr.  
 11/20/85  
 DATE

D.A.N.	CHANGE PITE SIZE FROM I-6 TO S-2	4/22/86
BY	REVISION	DATE

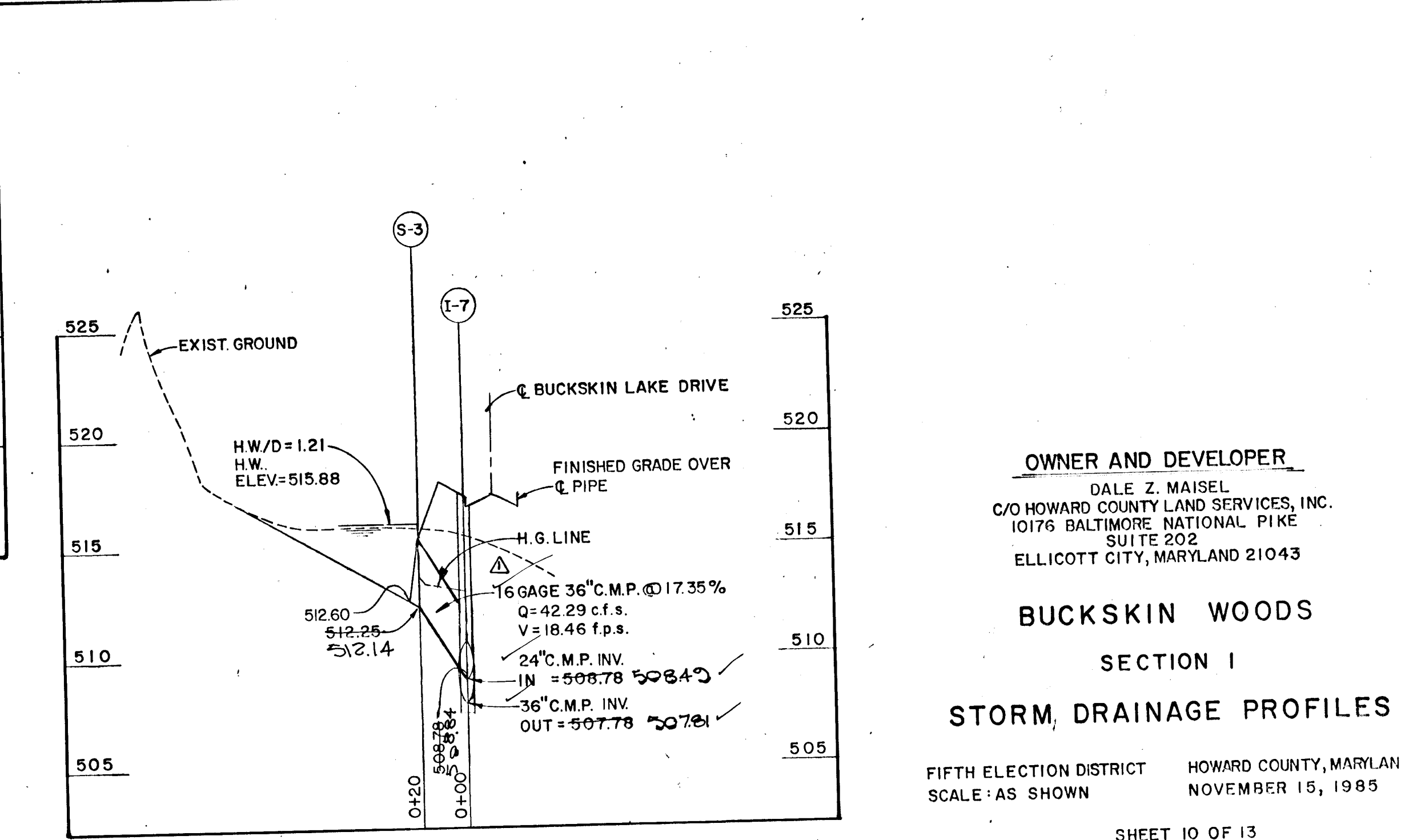
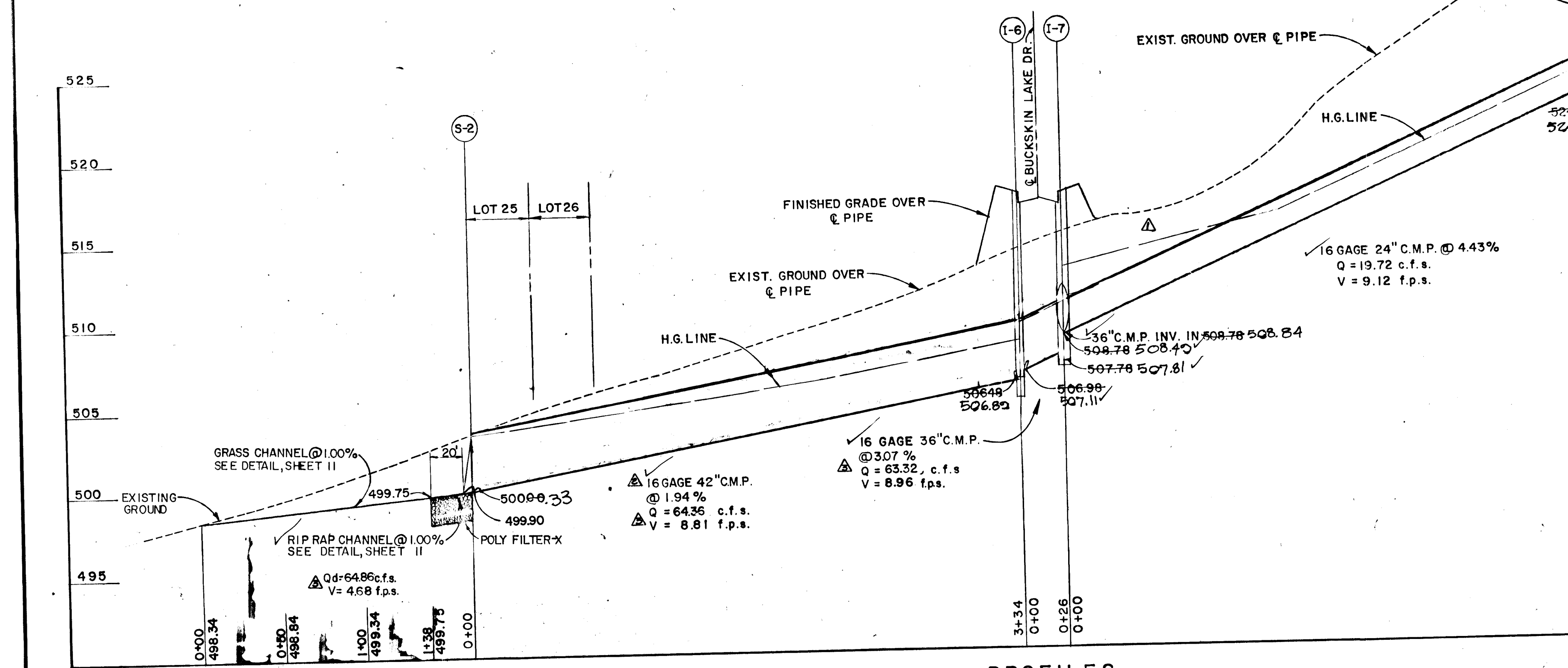
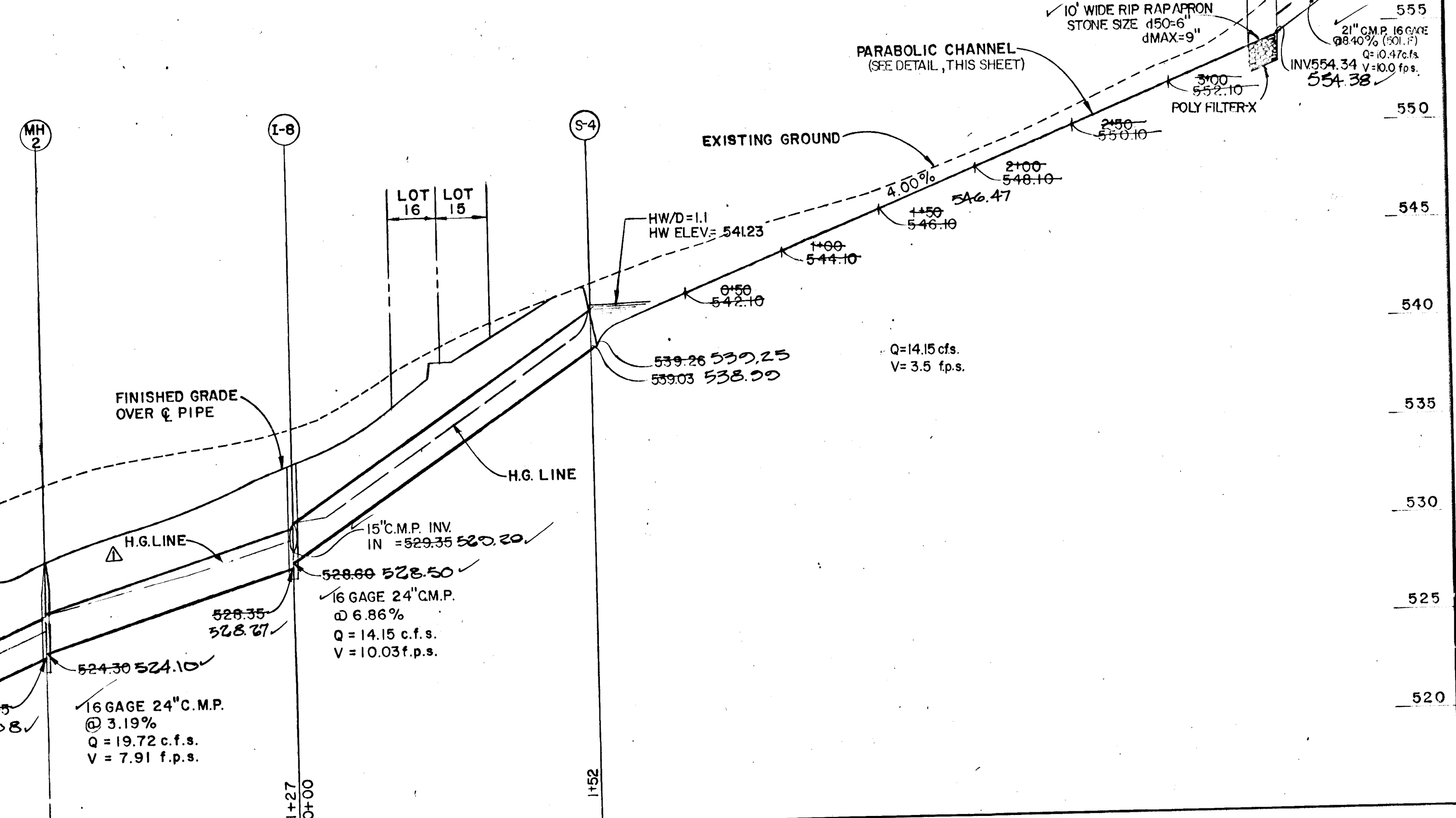
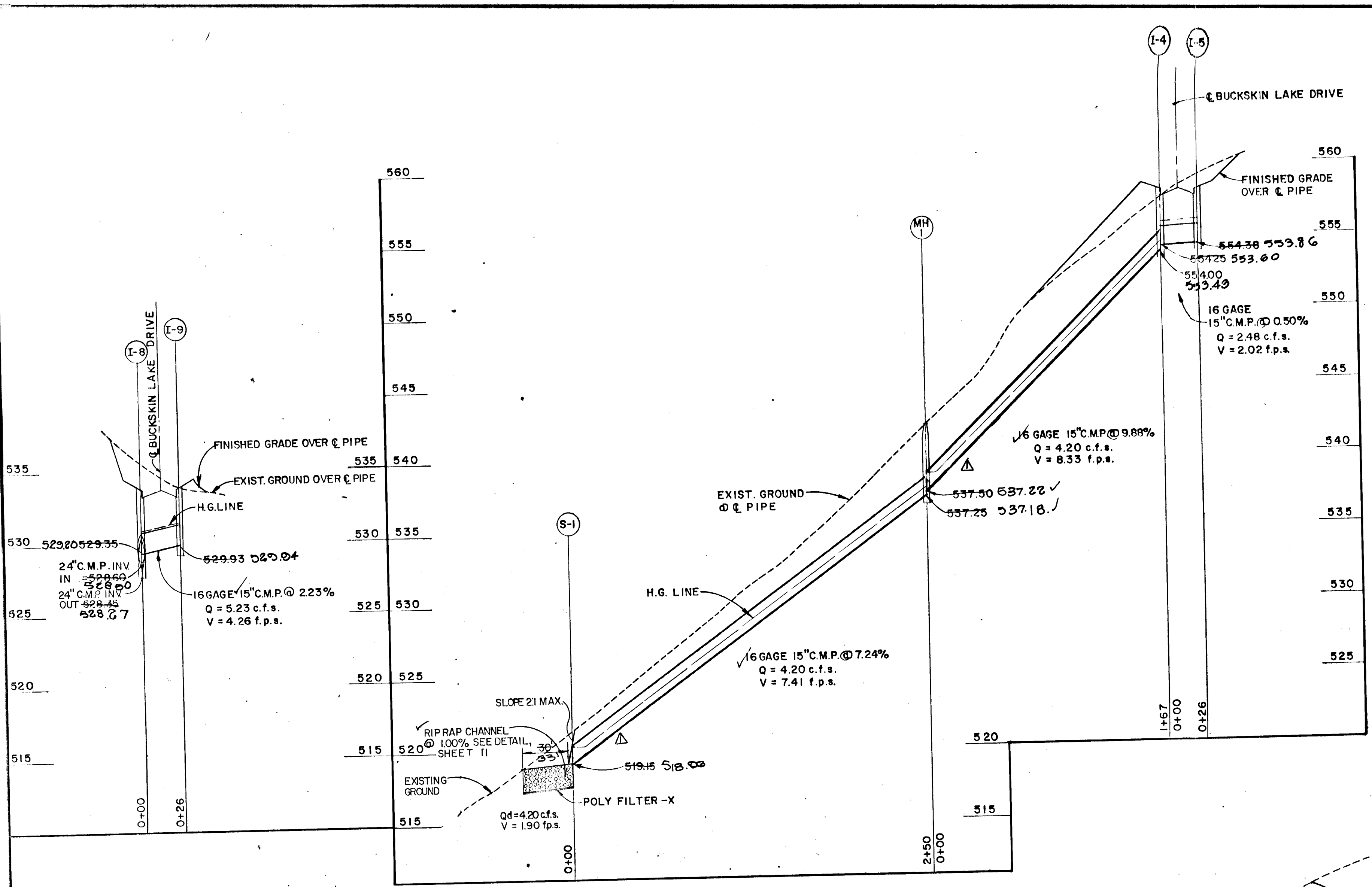
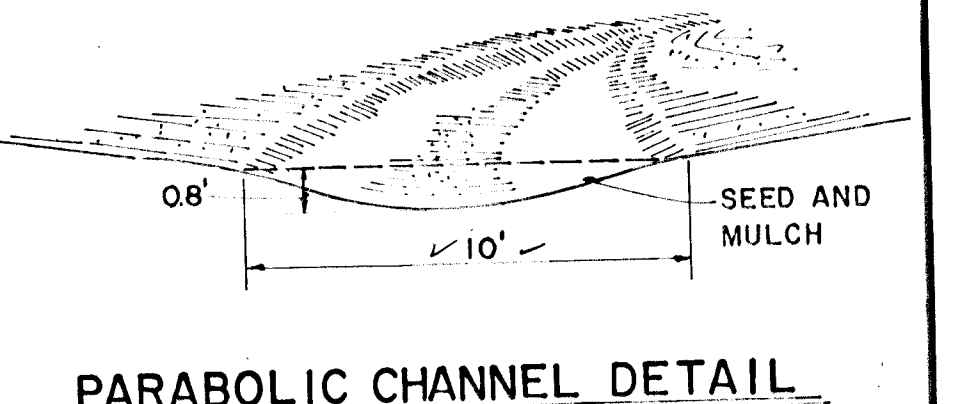
OWNER AND DEVELOPER  
 DALE Z MAISEL  
 C/O HOWARD COUNTY LAND SERVICES, INC.  
 1076 BALTIMORE NATIONAL PIKE  
 SUITE 202  
 ELLICOTT CITY, MD 21043

DRAINAGE AREA MAP  
**BUCKSKIN WOODS**  
 SECTION ONE  
 5TH. ELECTION DISTRICT HOWARD COUNTY MD.  
 SCALE: 1"=200' NOVEMBER 15, 1985  
 SHEET 9 OF 13

11/20/85

NO.	TYPE	INVERT IN	OUT	TOP ELEV.	STATION	REMARKS
I-1	A-5 w/deflectors	498.00	487.65	497.32.30	0+55.5 Buckskin Lake Dr.	Dwg. S.D. 4.01 & S.D. 4.33
I-2	A-5 w/deflectors	488.17	481.82	491.23.280	0+55.5 Buckskin Lake Dr.	Dwg. S.D. 4.01 & S.D. 4.33
I-3	A-5 w/deflectors	488.75	481.82	492.77.3.13	0+10 Holly Quarter Road	Dwgs. S.D. 4.01 & S.D. 4.33
I-4	A-5 w/deflectors	554.21	554.34	558.73.6	10+04.21 Buckskin Lake Dr.	Dwgs. S.D. 4.01 & S.D. 4.33
I-5	A-5 w/deflectors	557.11	557.11	558.84.34	10+04.21 Buckskin Lake Dr.	Dwgs. S.D. 4.01 & S.D. 4.33
I-6	A-5	547.11	508.23	508.10.87	11+70 Buckskin Lake Dr.	Dwg. S.D. 4.01
I-7	A-5	508.23	507.74	517.44.06	11+70 Buckskin Lake Dr.	Dwg. S.D. 4.01
I-8	A-5 w/deflectors	529.42	529.42	533.85.79	26+79.34 Buckskin Lake Dr.	Dwgs. S.D. 4.01 & S.D. 4.33
I-9	A-10 w/deflectors	529.42	529.42	533.85.75	26+79.34 Buckskin Lake Dr.	Dwgs. S.D. 4.02 & S.D. 4.33
I-10	A-5	518.44	518.44	522.44.13	17+68 Buckskin Lake Dr.	Dwg. S.D. 4.01
I-11	A-5	518.44	518.44	522.44.15	17+68 Buckskin Lake Dr.	Dwg. S.D. 4.01
S-1	Metal End Section	500.00	500.00	520.44.16	--	Dwg. S.D. 5.61
S-2	Metal End Section	500.00	500.00	503.50.67	--	Dwg. S.D. 5.61
S-3	Metal End Section	512.44	512.44	518.17	--	Dwg. S.D. 5.61
S-4	Metal End Section	512.44	512.44	518.17	--	Dwg. S.D. 5.61
S-5	Metal End Section	504.51	504.51	504.37	--	Dwg. S.D. 5.61
S-6	Metal End Section	504.51	504.51	504.37	--	Dwg. S.D. 5.61
MH-1	Shallow Manhole	537.50	537.50	542.46.98	23+09 Buckskin Lake Dr.	Dwg. G 5.05
MH-2	Shallow Manhole	524.40	524.40	528.66.71	23+09 Buckskin Lake Dr.	Dwg. G 5.01
MH-3	Std. Manhole	516.25	516.25	517.17	--	Dwg. S.D. 5.61
S-7	Metal End Section	444.20	444.20	477.80	517.10	Dwg. S.D. 5.61
S-8	Metal End Section	444.20	444.20	477.80	517.36	Dwg. S.D. 5.61

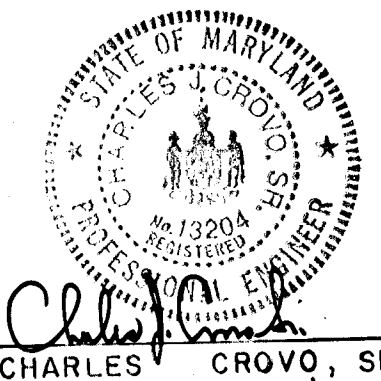
APPROVED  
 DEPARTMENT OF PUBLIC WORKS  
 CHIEF BUREAU OF ENGINEERING  
 APPROVED  
 OFFICE OF PLANNING AND ZONING  
 JOHN W. MAISEL  
 CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION  
 DATE 11/20/85



PROFILES

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

AS-BUILT SURVEY CERTIFIED BY  
 CHARLES J. CROVO, SR. REC-PE. No 15204  
 ON Nov. 20, 1985



CHARLES CROVO, SR. DATE 11/20/85

NO.	REVISION	DATE
3	CHANGE DISCHARGES, VELOCITIES, AND SLOPES	4/22/86
2	CHANGE PIPE SIZE FROM I-5 TO S-2	4/22/86
1	SHOW H.G. LINE TO CROWN OF PIPE.	4/22/86

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

OWNER AND DEVELOPER  
 DALE Z. MAISEL  
 C/O HOWARD COUNTY LAND SERVICES, INC.  
 10176 BALTIMORE NATIONAL PIKE  
 SUITE 202  
 ELLICOTT CITY, MARYLAND 21043

BUCKSKIN WOODS  
 SECTION I  
 STORM DRAINAGE PROFILES

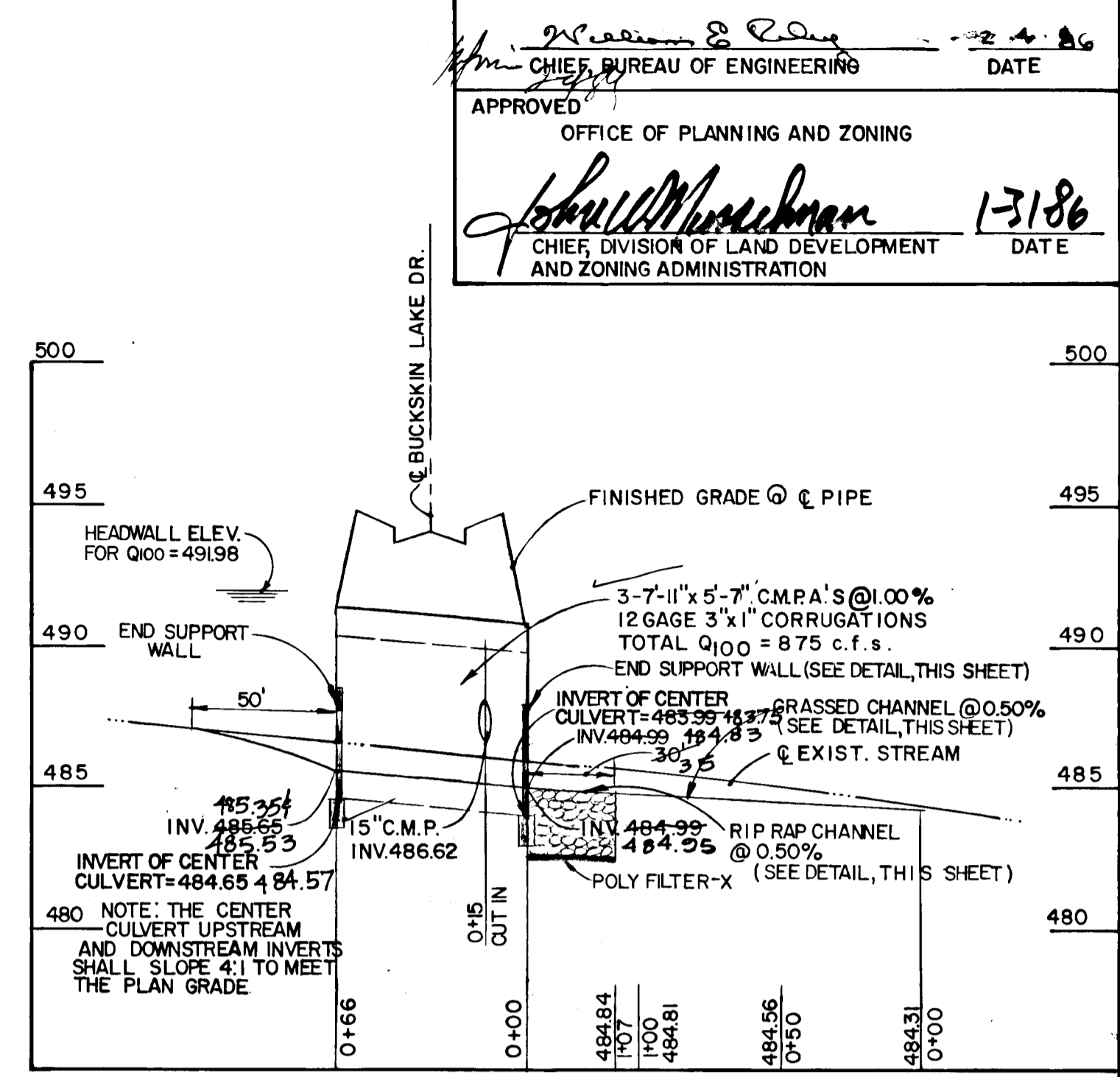
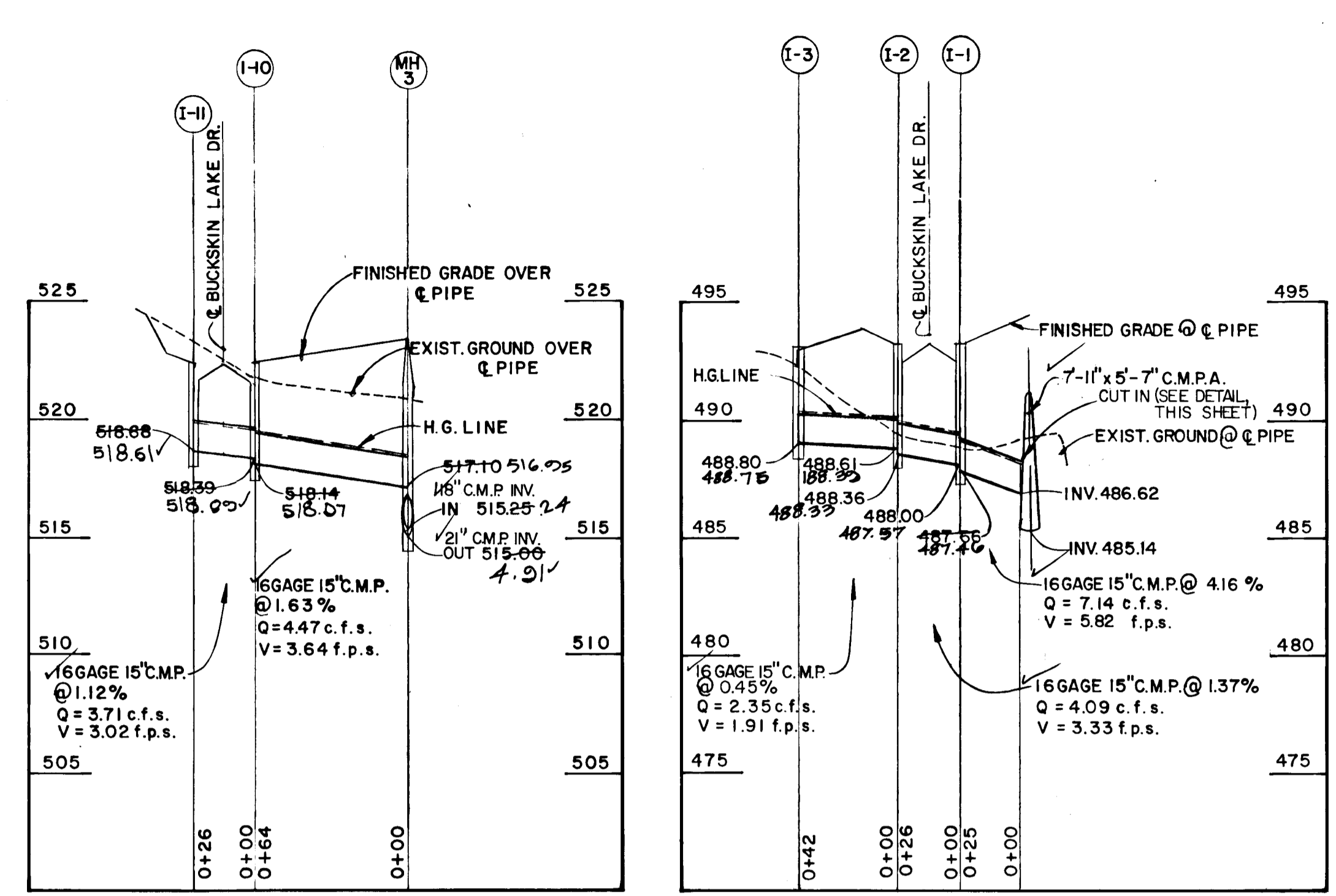
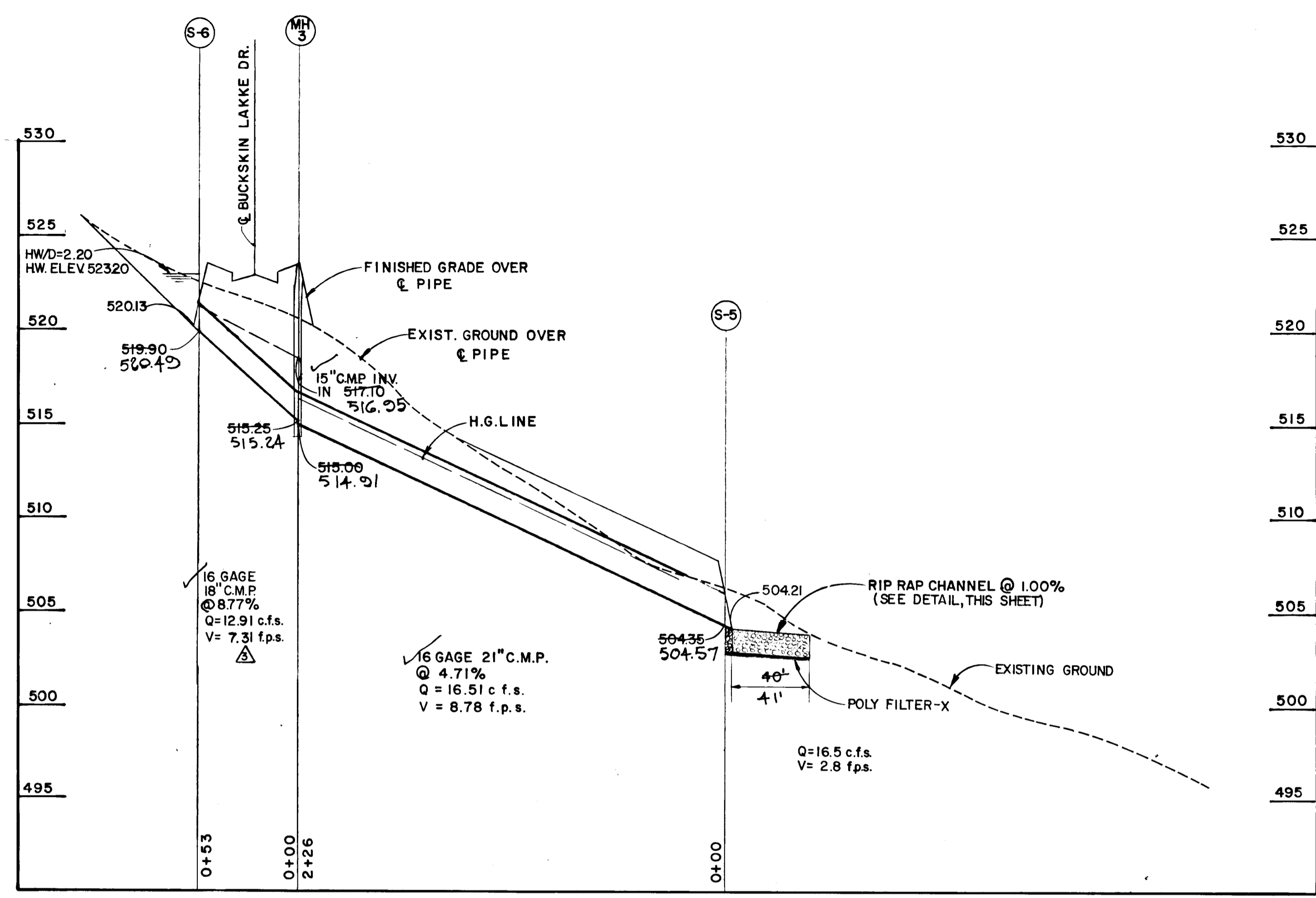
FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 SCALE: AS SHOWN NOVEMBER 15, 1985

#1175

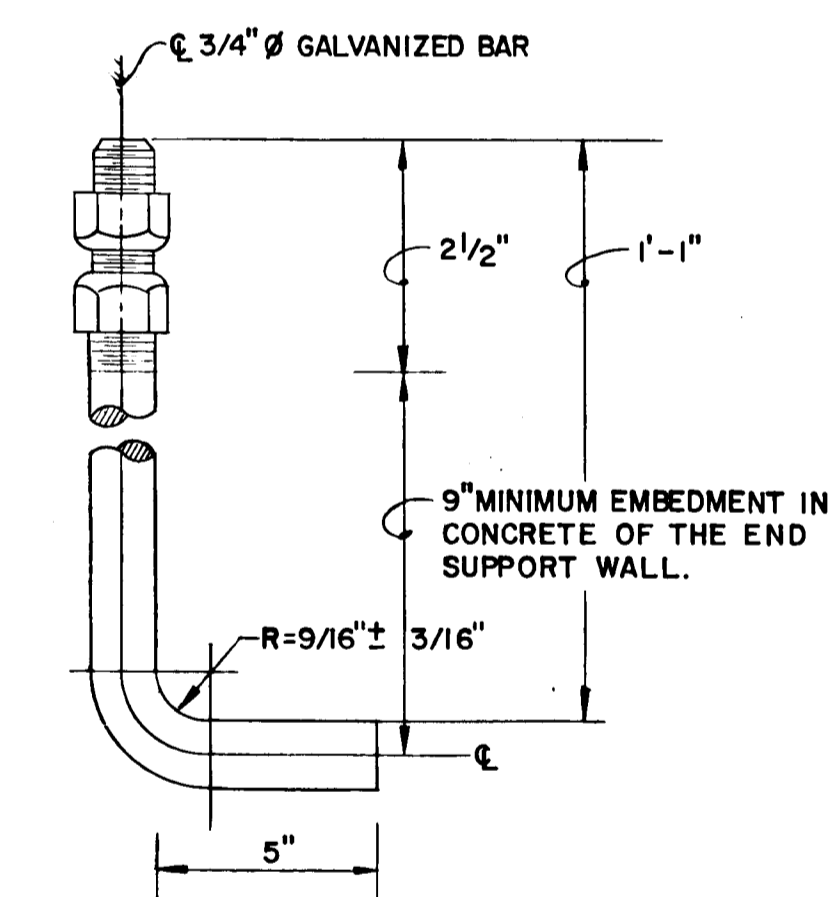
11/20/85

APPROVED  
 DEPARTMENT OF PUBLIC WORKS  
 CHIEF, BUREAU OF ENGINEERING  
 DATE 11-24-86

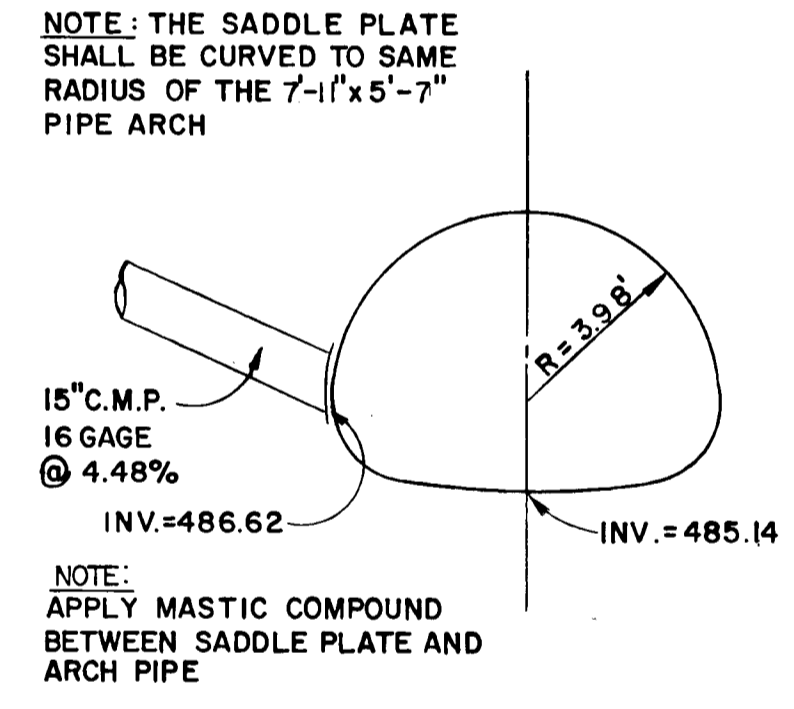
APPROVED  
 OFFICE OF PLANNING AND ZONING  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION  
 DATE 1-31-86



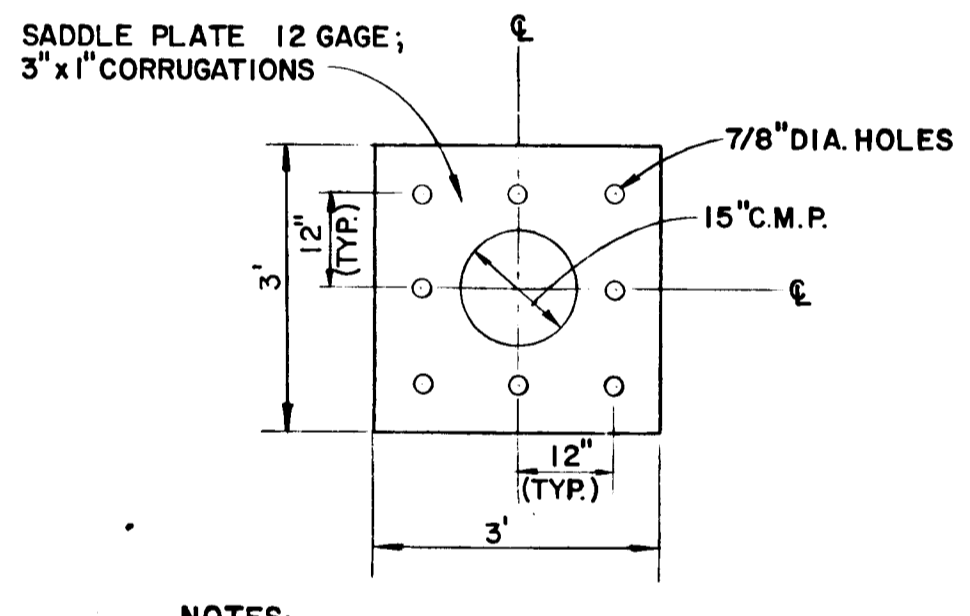
PROFILES  
 SCALE: 1" = 50' HOR.  
 1" = 5' VERT.



ANCHOR BOLT DETAIL  
 NO SCALE

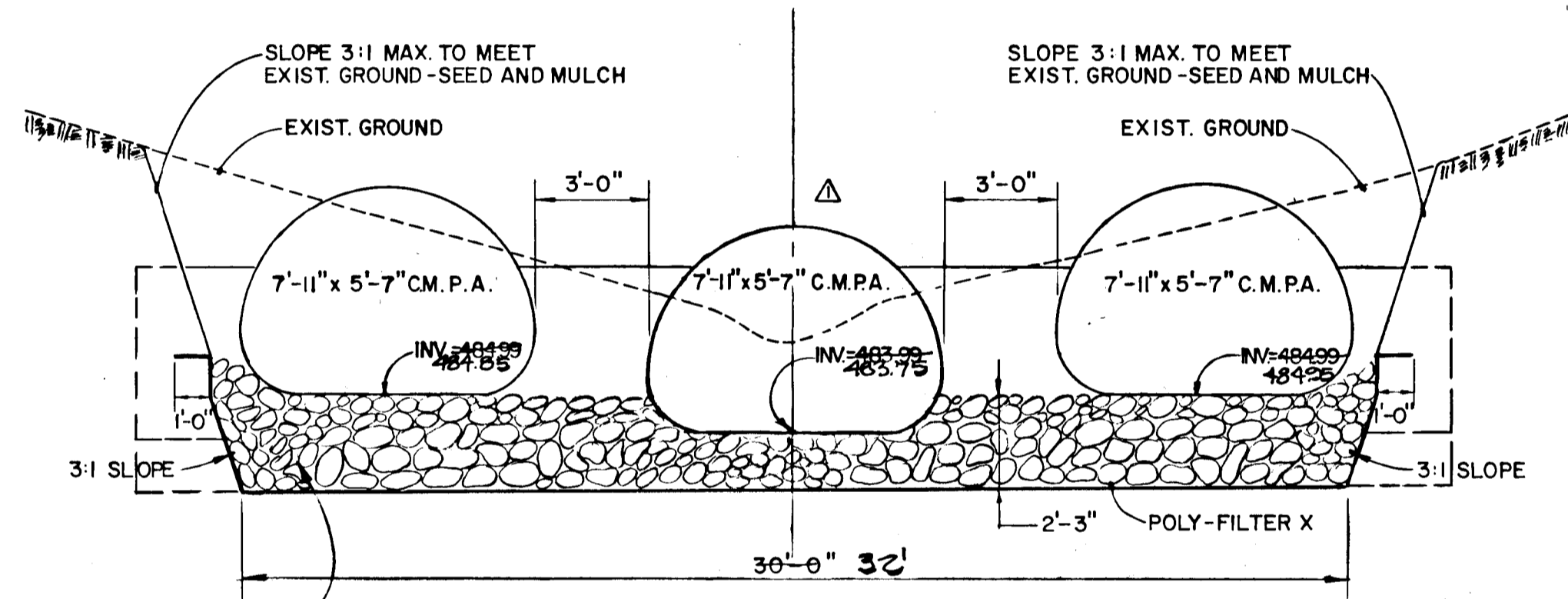


CUT IN DETAIL  
 NO SCALE

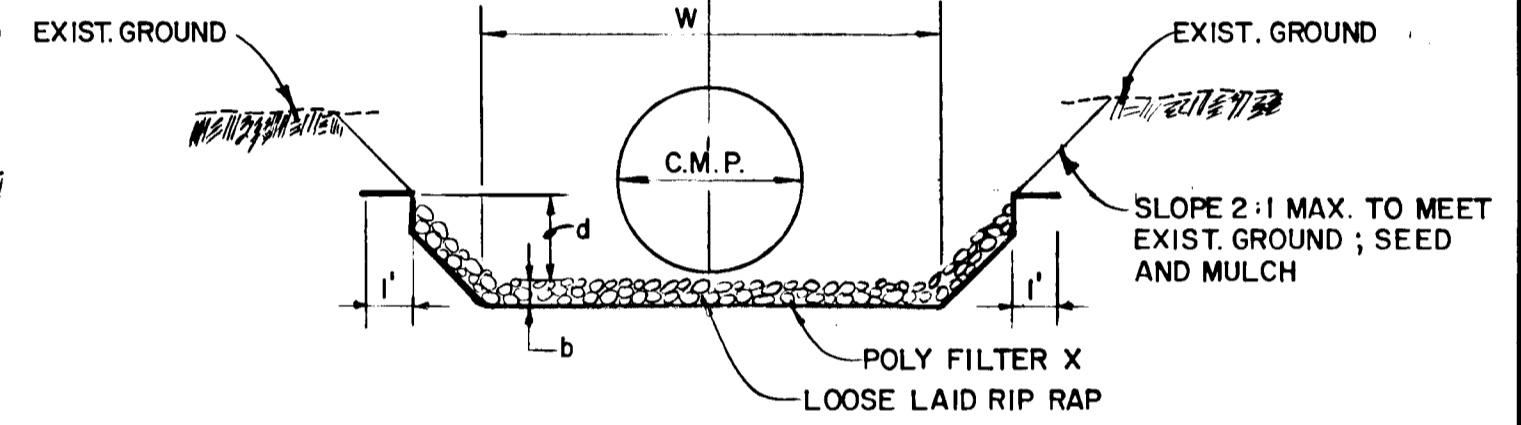


SADDLE PLATE DETAIL  
 NO SCALE

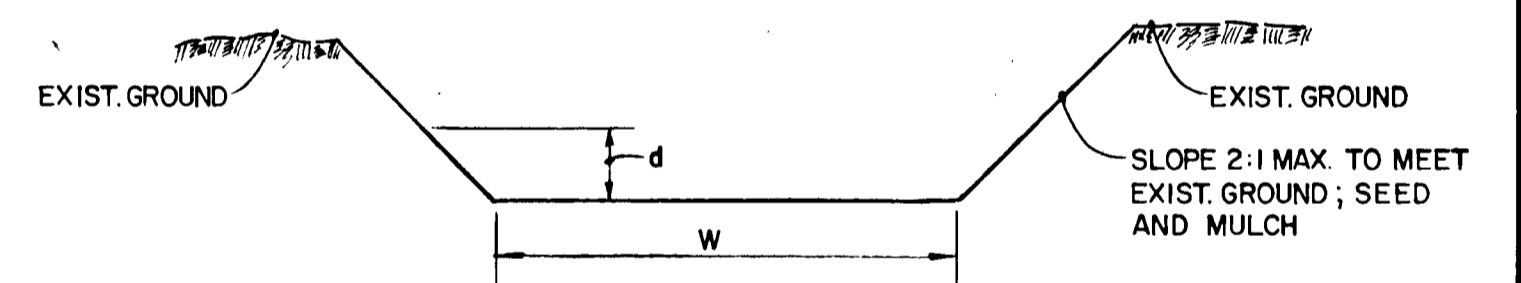
- NOTES:
- 1) THE SADDLE PLATE SHALL BE FASTENED TO THE 7-11" x 5-7" C.M.P.A. WITH GALVANIZED 3/4" DIAMETER BOLTS.
  - 2) THE 15" C.M.P. SHALL BE FASTENED TO SADDLE PLATE WITH A CONTINUOUS WELD AROUND THE DIAMETER OF THE PIPE.



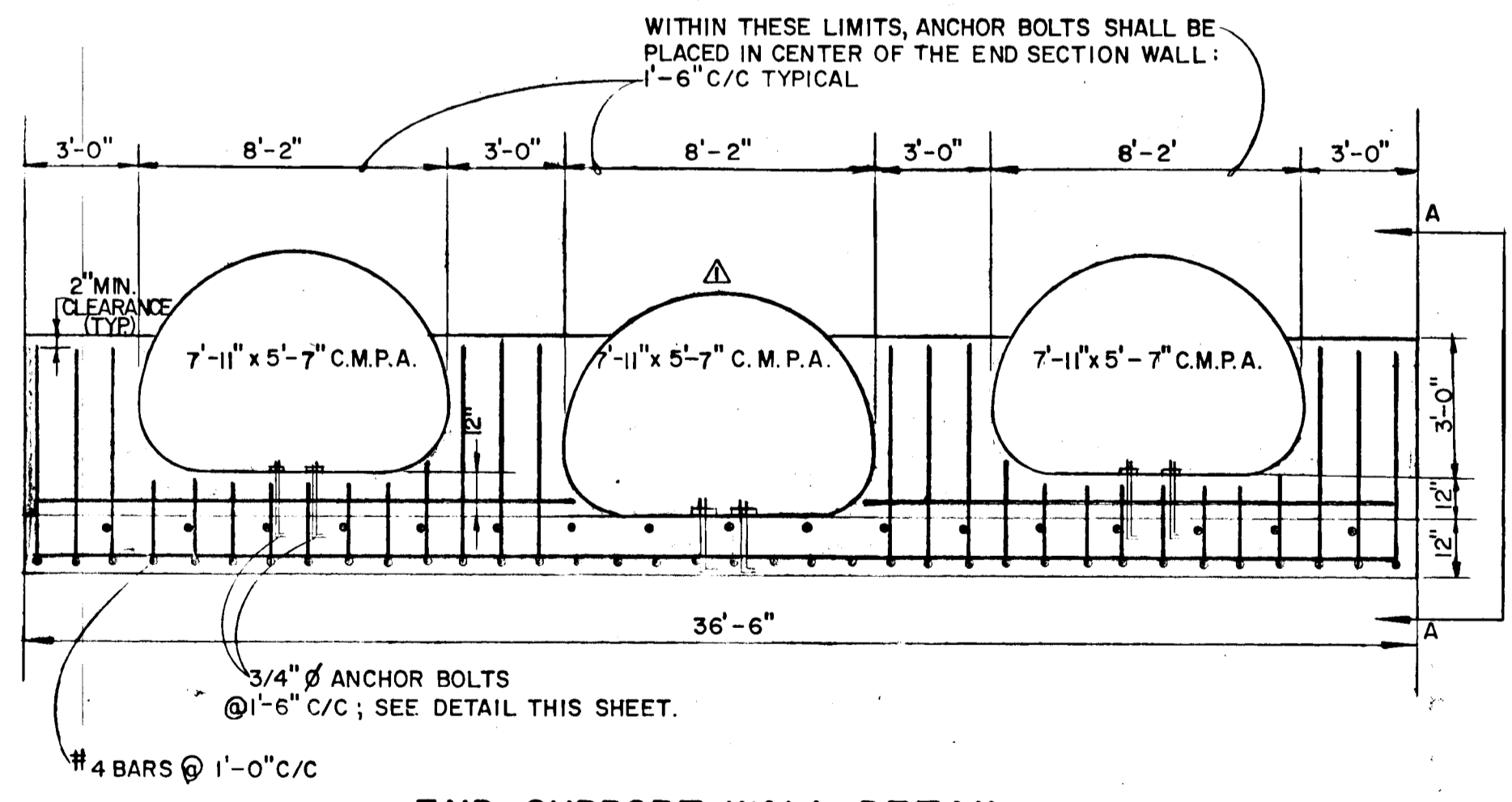
RIP RAP CHANNEL DETAIL  
 NO SCALE



RIP RAP CHANNEL DETAIL  
 NO SCALE



GRASSED CHANNEL DETAIL  
 NO SCALE

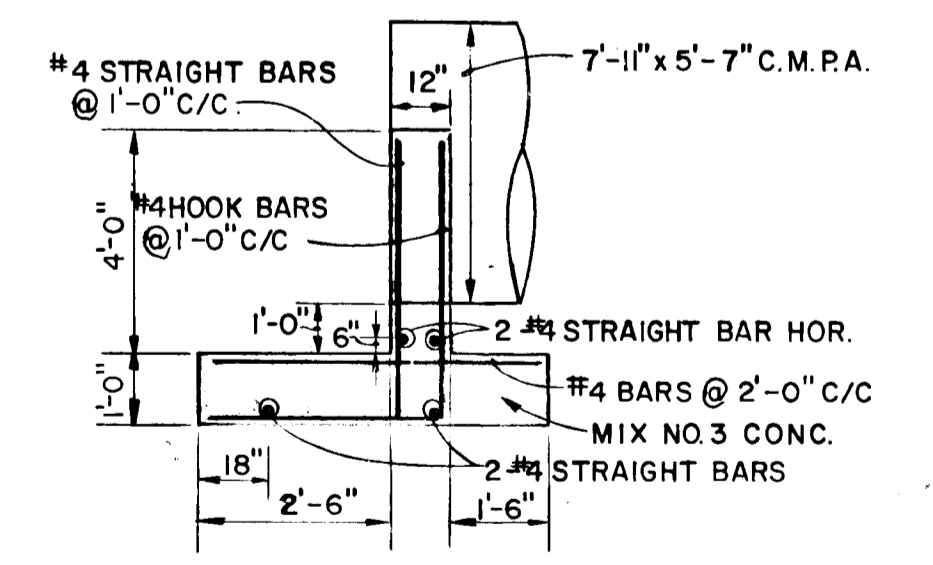


END SUPPORT WALL DETAIL  
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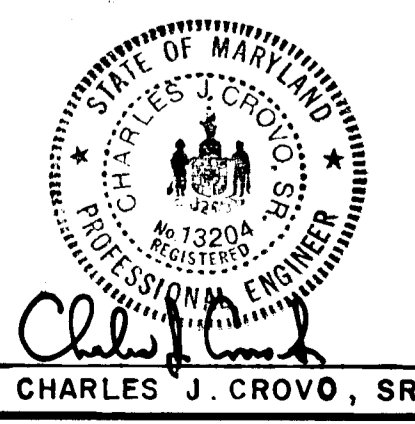
- NOTES:
- 1) EXCAVATION, BEDDING, FOUNDATION PREPARATION & BACKFILL FOR THE C.M.P.A.'S SHALL BE IN ACCORDANCE WITH SECT. 602 OF THE STATE HIGHWAY ADMINISTRATION SPECIFICATIONS. IF ROCK IS ENCOUNTERED, IT SHALL BE REMOVED & REPLACED WITH SAND TO PROVIDE A MINIMUM CUSHION OF 8 INCHES BELOW THE BOTTOM OF THE PIPE ARCH. SELECTED BACKFILL, IF REQUIRED, SHALL MEET THE REQUIREMENTS OF SECT. 601 OF THE S.H.A. SPECIFICATIONS.
  - 2) REINFORCING STEEL SHALL BE FREE FROM MUD, OIL OR OTHER NON-METALLIC COATINGS THAT ADVERSELY AFFECT BONDING CAPACITY.

RIP RAP CHANNEL DESIGN DATA												
STRUCTURE	A	P	R	R-2/3	S	S-1/2	n	Q	V	d	W	RIP RAP SIZE
												d <sub>50</sub> d <sub>max</sub> b
S-1	2.21	6.01	3.677	5.16	1.00%	.10	.04	4.20	1.90	0.45'	4'	6" 9" 14"
S-2	16.84	15.96	1.0551	1.0366	1.00%	.10	.04	64.85	3.85	1.33'	10'	6" 9" 14"
S-5	5.86	8.90	.6584	.7568	1.00%	.10	.04	16.47	2.81	0.87'	5'	6" 9" 14"
CULVERT	161.56	54.54	2.9623	2.07	0.50%	0.71	.04	878.59	5.44	3.88'	30'	12" 18" 24"

GRASS CHANNEL DESIGN DATA											
STRUCTURE	A	P	R	R-2/3	S	S-1/2	n	Q	V	d	W
S-2	13.85	15.06	.9198	.9455	1.00%	.10	.03	64.86	4.68	1.13'	10'
CULVERT	131.67	50.87	2.5884	1.89	0.50%	0.71	.03	871.74	6.62	3.30'	30'



SECTION A-A  
 NO SCALE



AS-BUILD SURVEY CERTIFIED BY  
 CHARLES J. CROVO, SR. REG. P.E. No. 15204  
 ON Nov. 20, 1985

CHARLES J. CROVO, SR.  
 DATE 11/20/85

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

OWNER AND DEVELOPER  
 DALE Z. MAISEL  
 C/O HOWARD COUNTY LAND SERVICES, INC.  
 10176 BALTIMORE NATIONAL PIKE  
 SUITE 202  
 ELLICOTT CITY, MARYLAND 21043

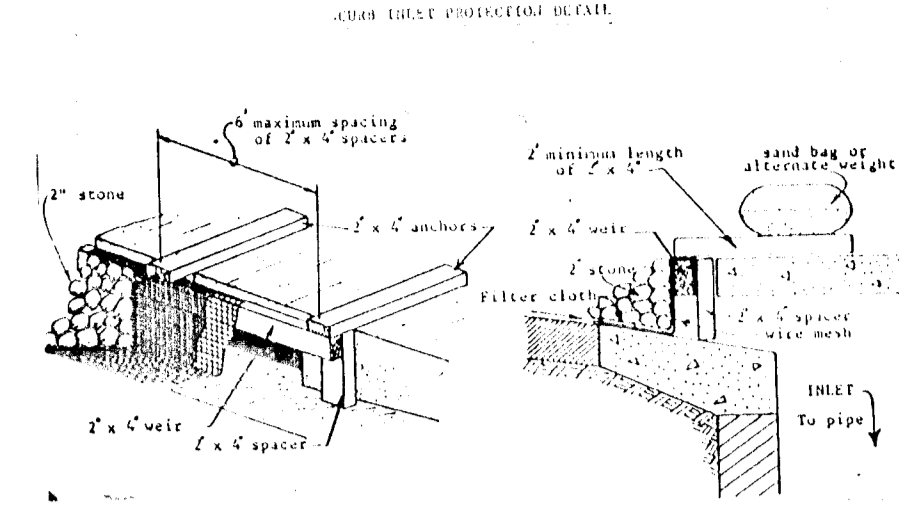
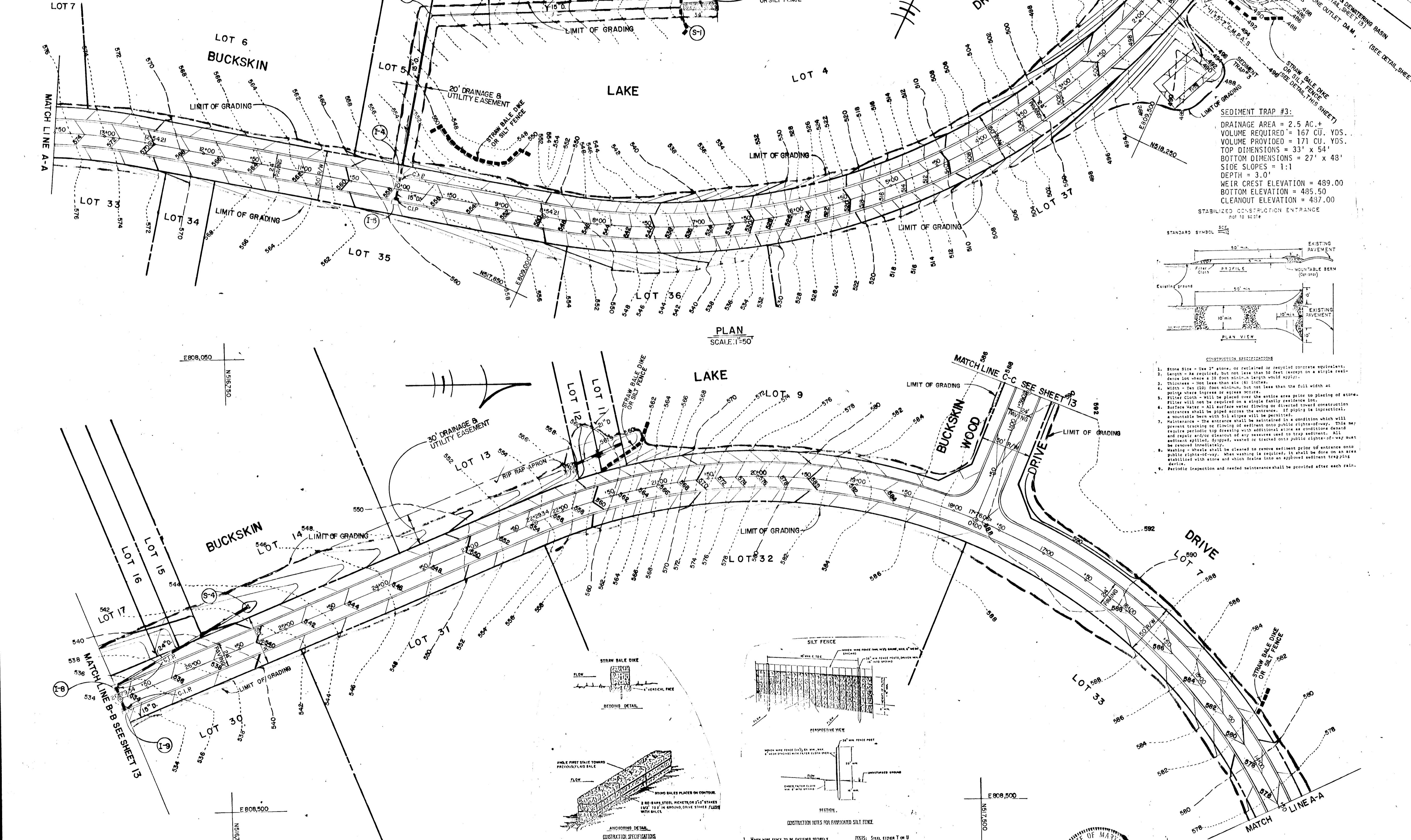
BUCKSKIN WOODS  
 SECTION I  
 STORM DRAINAGE PROFILES AND DETAILS  
 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 SCALE: AS SHOWN NOVEMBER 15, 1985

D.A.N.	BY	NO.	REVISION	DATE
D.A.N.	AC	1	CHANGE VELOCITY S-6, M-3	4-22-86
D.A.N.	AC	2	CHANGE DESIGN DATA FOR S-2	4-22-86
D.A.N.	AC	3	LOWERED CENTER CULVERT 1	3-25-86
BY	NO.		REVISION	DATE

#1175

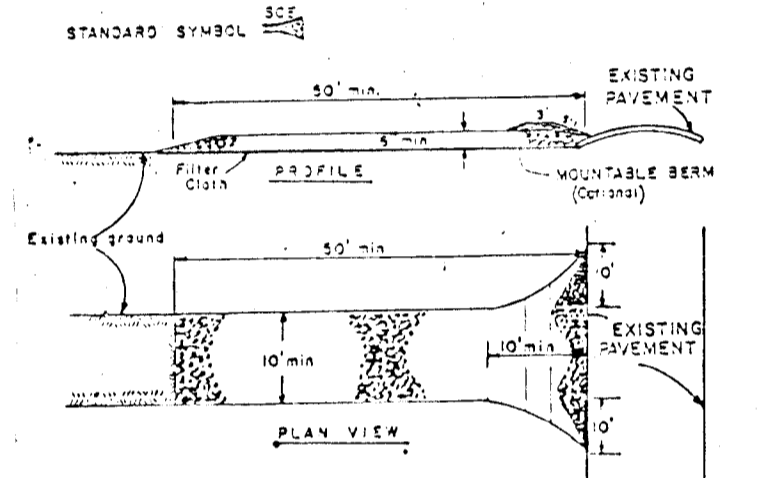
11/20/85

- 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 (292-2337).
  - 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. 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, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1; b) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
  - 3) ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (SEC. 51) SOD (SEC. 54), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
  - 4) ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
  - 5) SITE ANALYSIS:
    - TOTAL AREA OF SITE: 159.10 ACRES
    - AREA DISTURBED: 12.10 ACRES
    - AREA TO BE ROOFED OR PAVED: 1.51 ACRES
    - AREA TO BE VEGETATIVELY STABILIZED: 76.5 ACRES
    - TOTAL CUT: 10.00 CU.YDS.
    - TOTAL FILL: 10.00 CU.YDS.
  - 6) OFFSITE WASTE/BORROW AREA LOCATION IS TO BE DETERMINED BY THE DEVELOPER FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
  - 7) ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY OPM SEDIMENT CONTROL INSPECTOR.

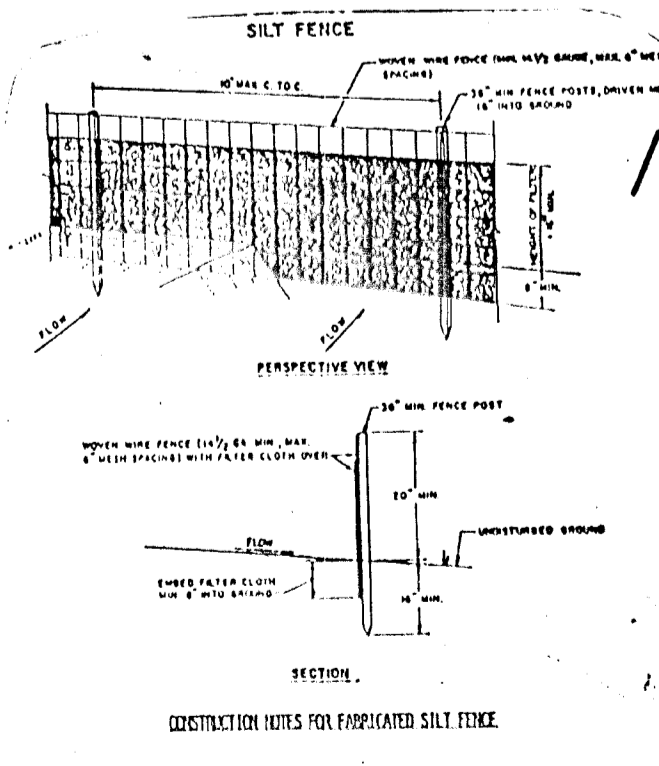
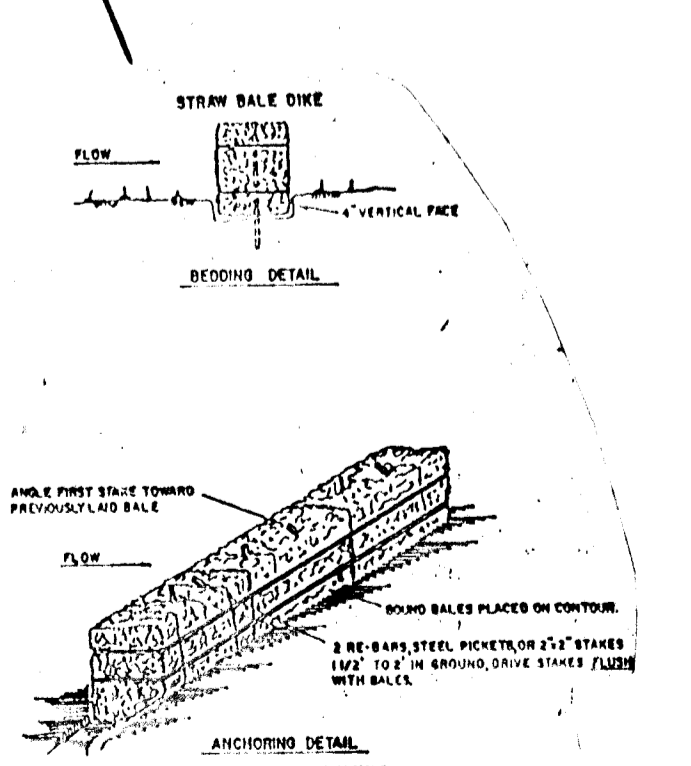


- One's Inlet Protection:**
1. Attach a continuous piece of wire mesh (30" dia. with by throat length plus 1") to the 2" x 1" weir (fastening throat length plus 1") as shown on the standard drawing.
  2. Place a piece of approved filter cloth (60-85 gals) of the same dimension as the wire mesh over the wire mesh and securely attach to the 2" x 1" weir.
  3. Securely nail the 2" x 1" weir to 9" long vertical spacers to be located between the weir and inlet face (max. 9" apart).
  4. Place the assembly against the inlet throat and nail (minimum 2" length of 2" x 1" to the top of the weir at spaced locations. These 2" x 1" anchors shall extend across the inlet top and be held in place by sandbags or alternate weight).
  5. The assembly shall be placed so that the end appears are 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 clean 1" stone over the wire mesh and filter fabric 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 inspected frequently and the filter cloth and stone replaced when clogged with sediment.
  8. Assume that storm flow does not bypass inlet by installing temporary earth or asphalt dikes directing flow into inlet.

**SEDIMENT TRAP #3:**  
 DRAINAGE AREA = 2.5 AC. +  
 VOLUME REQUIRED = 167 CU. YDS.  
 VOLUME FULFILLED = 171 CU. YDS.  
 TOP DIMENSIONS = 33' x 54'  
 BOTTOM DIMENSIONS = 27' x 48'  
 SIDE SLOPES = 1:1  
 DEPTH = 3.0'  
 WEIR CREST ELEVATION = 489.00  
 BOTTOM ELEVATION = 485.50  
 CLEANOUT ELEVATION = 437.00



- CONSTRUCTION SPECIFICATIONS:**
1. Stone Size - One 2" stone or recycled concrete equivalent.
  2. Length - As required, but not less than 30 feet except on a single level-crest weir where a 25 foot minimum length would apply.
  3. Thickness - Not less than six (6) inches.
  4. Width - Ten (10) feet minimum, but not less than the full width as being where ingress or egress occurs.
  5. Filter Cloth - Must be placed over the entire area prior to placing of stone.
  6. Surface Water - All surface water flowing or directed toward construction entrances shall be piped across the entrance. If 20" or larger in diameter, the pipe shall be placed over the entrance which will prevent tracking of sludge or sediment onto public right-of-way. This may require particle trap drawing with additional stone or sediment trap. All and larger surface drainage or pipe openings used to trap sediment, shall be removed immediately.
  7. Maintenance - The entrance shall be maintained in the condition which will prevent tracking of sludge or sediment onto public right-of-way. This may require particle trap drawing with additional stone or sediment trap. All and larger surface drainage or pipe openings used to trap sediment, shall be removed immediately.
  8. Weeding - Weeds shall be cleared to remove sediment prior to entrance onto public right-of-way. When weeding is required, it shall be done on an area established with stone and which drains into an approved sediment trap/ditch.
  9. Periodic inspection and needed maintenance shall be provided after each rain.



- CONSTRUCTION NOTES FOR EXPANDED SILT FENCE:**
1. WOOD WIRE FENCE TO BE FASTENED NORMALLY TO FINE POSTS WITH WIRE TIES OR STAPLES.
  2. FILTER CLOTH TO BE FASTENED NORMALLY TO WOOD POSTS WITH WIRE TIES OR STAPLES.
  3. WIRE MESH TO BE FASTENED TO WOOD POSTS WITH WIRE TIES OR STAPLES.
  4. SEDIMENT TRAP SHALL BE PROVIDED AS SHOWN AND MAINTAINED AS SHOWN.
  5. BALES SHALL BE PROVIDED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPAIR STORM FLOW OR DRAINAGE.

APPROVED  
 DEPARTMENT OF PUBLIC WORKS  
 DATE: 11-24-85  
 CHIEF, BUREAU OF ENGINEERING  
 APPROVED  
 OFFICE OF PLANNING AND ZONING  
 DATE: 11-31-86  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

**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: 11/30/85  
 SIGNATURE: Dale Z. Mausel

**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.  
 DATE: 11/30/85  
 SIGNATURE: Dale Z. Mausel

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
 DATE: 1-29-86  
 SIGNATURE: James M. Hillm  
 U.S. SOIL CONSERVATION SERVICE

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
 DATE: 1/29/86  
 SIGNATURE: Stephen L. Huber  
 HOWARD SOIL CONSERVATION DISTRICT

APPROVED: DEPARTMENT OF PUBLIC WORKS  
 CHIEF, BUREAU OF ENGINEERING  
 APPROVED: OFFICE OF PLANNING AND ZONING  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

**OWNER AND DEVELOPER**  
 DALE Z. MAUSEL  
 C/O HOWARD COUNTY LAND SERVICES, INC.  
 10176 BALTIMORE NATIONAL PIKE  
 SUITE 202  
 ELLICOTT CITY, MARYLAND 21043

**GRADING AND SEDIMENT CONTROL PLAN**  
**BUCKSKIN WOODS**  
 SECTION 1 LOTS 1-37  
 5TH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 SCALE: AS SHOWN SHEET 12 OF 13 NOV. 15, 1985

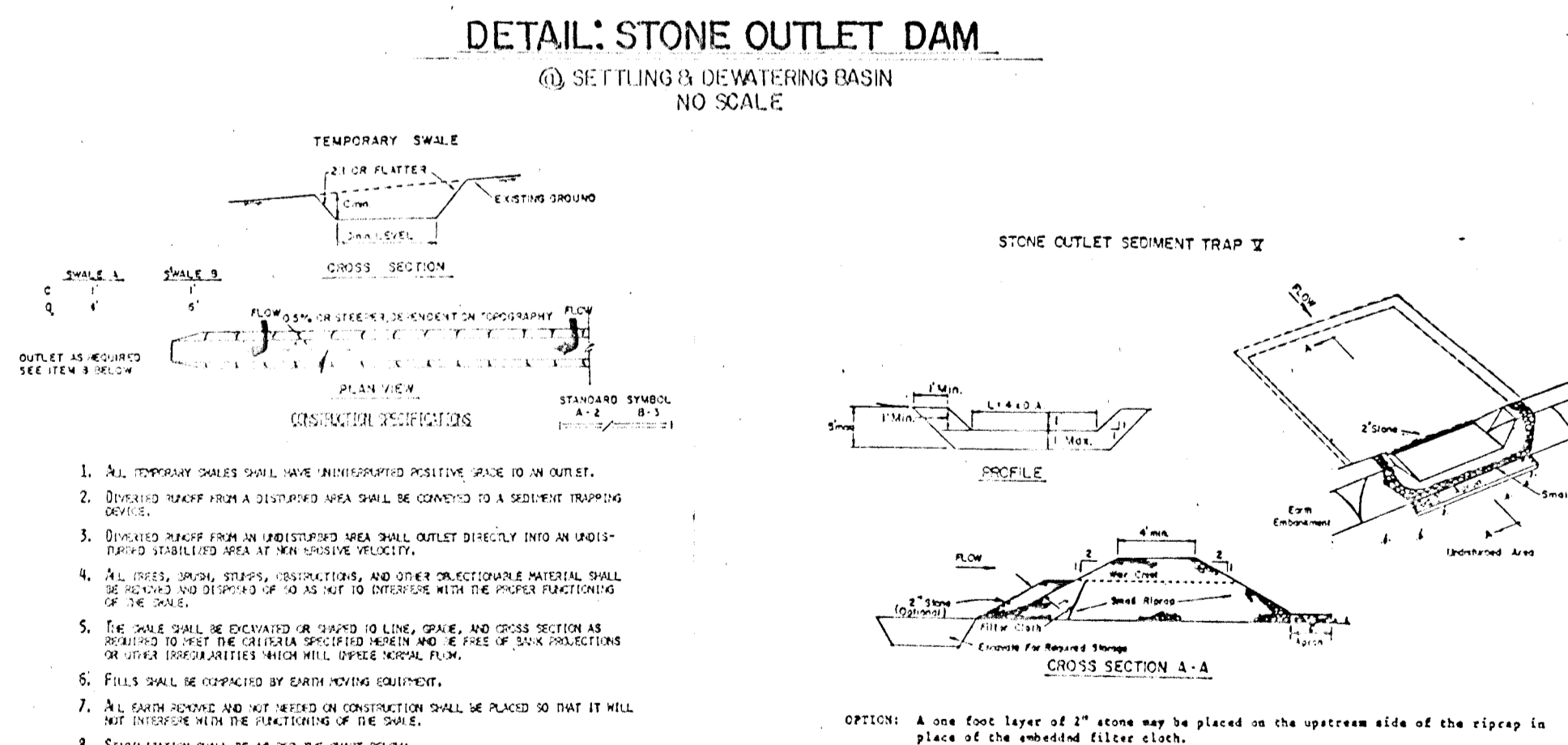
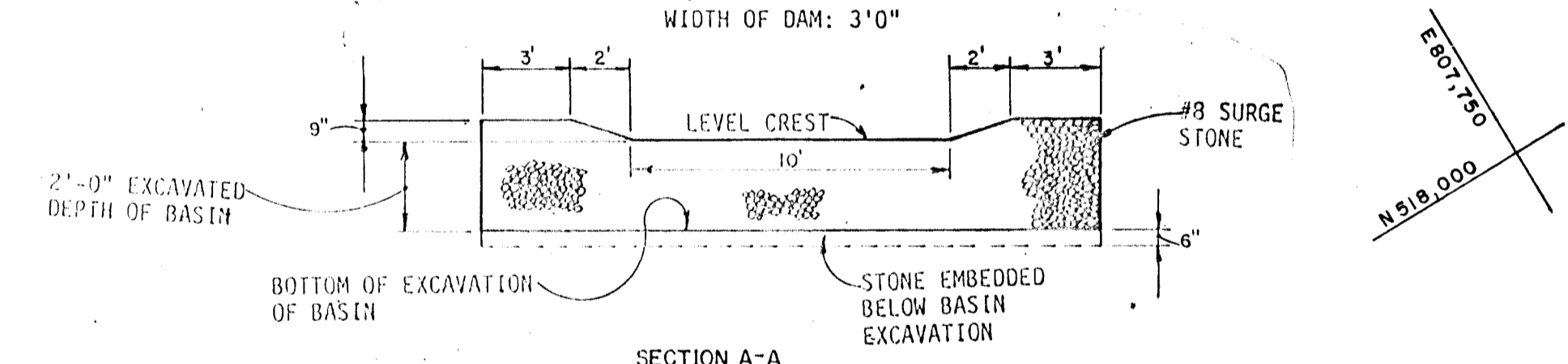
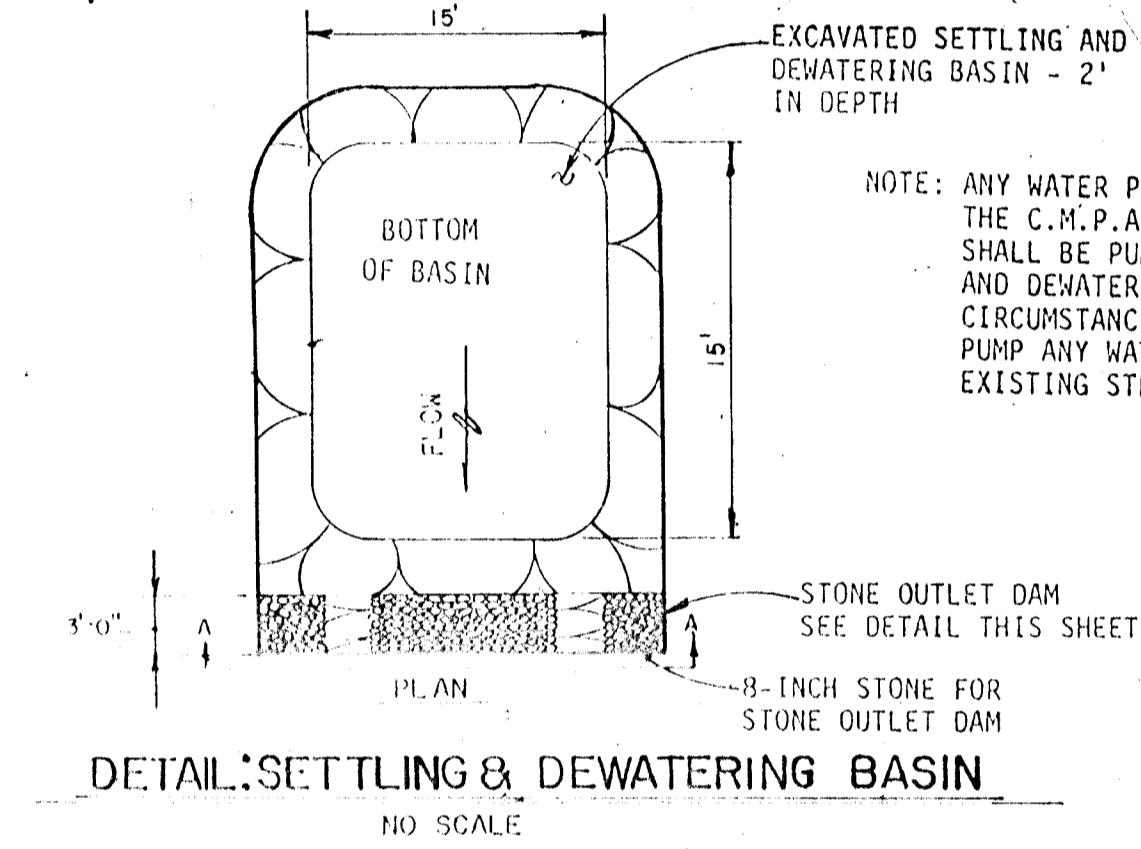
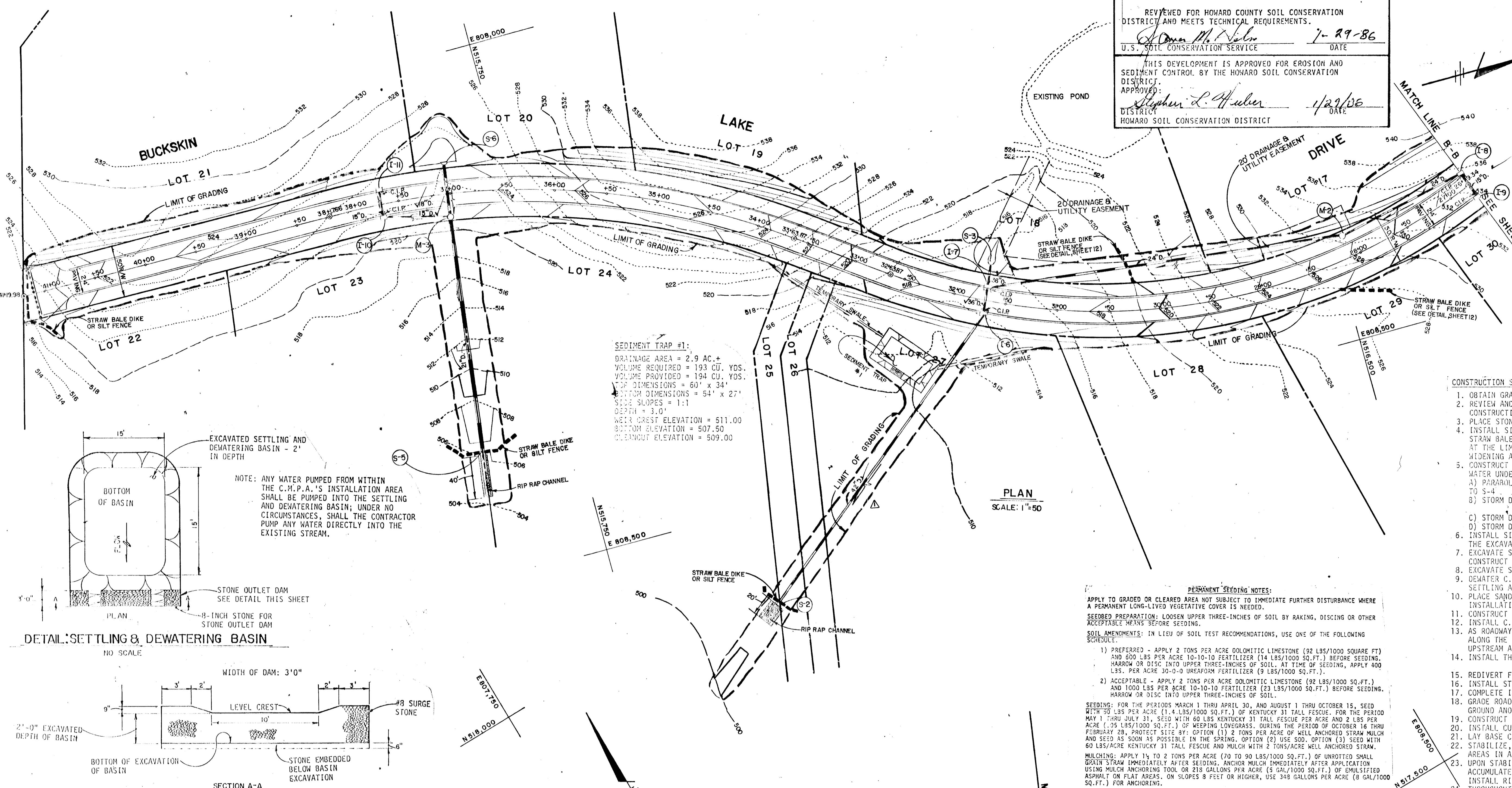


REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
*John M. Wilson* 7-29-86  
 U.S. SOIL CONSERVATION SERVICE DATE  
 THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
 APPROVED: *Stephen L. Huber* 1/27/86  
 DISTRICT CHIEF HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED  
 DEPARTMENT OF PUBLIC WORKS  
*John J. M... 2-2-86*  
 CHIEF, BUREAU OF ENGINEERING DATE  
 APPROVED  
 OFFICE OF PLANNING AND ZONING  
*John J. M... 1-31-86*  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

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. Maisel* 11/30/85  
 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, AS ARE DEEMED NECESSARY.  
*John J. Maisel* 11/30/85  
 SIGNATURE OF DEVELOPER DATE



1. ALL TEMPORARY DAMS SHALL HAVE UNIDIRECTIONAL FLOWING WATER TO THE OUTLET.  
 2. DAMS TO BE CONSTRUCTED FROM A DISTURBED AREA SHALL BE CONSTRUCTED TO A SPECIFIC TRAPPING DEVICE.  
 3. DAMS TO BE CONSTRUCTED FROM AN UNDISTURBED AREA SHALL BE CONSTRUCTED TO A SPECIFIC TRAPPING DEVICE.  
 4. ALL DAMS, WALLS, STRUCTURES, AND OTHER OBSTRUCTIONS MUST BE CONSTRUCTED TO A SPECIFIC TRAPPING DEVICE.  
 5. THE DAM SHALL BE CONSTRUCTED TO A SPECIFIC TRAPPING DEVICE.  
 6. ALL DAMS SHALL BE CONSTRUCTED TO A SPECIFIC TRAPPING DEVICE.  
 7. ALL DAMS SHALL BE CONSTRUCTED TO A SPECIFIC TRAPPING DEVICE.  
 8. STABILIZATION SHALL BE AS PER THE DAM DESIGN.  
 9. PERIODIC INSPECTION AND MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

CONSTRUCTION SPECIFICATIONS FOR STONE OUTLET DAMS:  
 1. Area under abutment shall be cleared, grubbed and stripped of any vegetation and root mass. The pool area shall be cleared.  
 2. The fill material for the abutments shall be free of roots and other woody vegetation as well as oversized stones, rocks, organic material or other objectionable material. The abutments shall be constructed by raking with equipment while in the working construction.  
 3. All cut and fill slopes shall be 2:1 or flatter.  
 4. The stone used in the outlet shall be small riprap 4" to 8" along with a 1" thickness of 2" aggregate placed on the up-grade side on the small riprap to embedded filter cloth to the riprap.  
 5. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to the design depth of the trap.  
 6. The structure shall be inspected after each rain and repairs made as needed.  
 7. Construction operation shall be carried out in such a manner that erosion and water pollution is minimized.  
 8. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.

SEDIMENT TRAP #1:  
 DRAINAGE AREA = 2.9 AC. +  
 VOLUME REQUIRED = 193 CU. YDS.  
 VOLUME PROVIDED = 194 CU. YDS.  
 TOP DIMENSIONS = 60' x 34'  
 DEPTH = 3.0'  
 WEIR SLOPES = 1:1  
 WEIR CREST ELEVATION = 511.00  
 BOTTOM ELEVATION = 507.50  
 CLEANOUT ELEVATION = 509.00

PERMANENT SEEDING NOTES:  
 APPLY TO GRADED OR CLEARED AREA NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.  
 SEEDBED PREPARATION: LOOSEN UPPER THREE-INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.  
 SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:  
 1) PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ.FT.) AND 500 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ.FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE-INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 30-0-0 UREAFORM FERTILIZER (9 LBS/1000 SQ.FT.).  
 2) ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ.FT.) AND 1000 LBS PER ACRE 10-10-10 FERTILIZER (23 LBS/1000 SQ.FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE-INCHES OF SOIL.

SEEDING: FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 30 LBS PER ACRE (1.4 LBS/1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS PER ACRE (.09 LBS/1000 SQ.FT.) OF KEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, PROTECT SITE BY: OPTION (1) 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) USE SOD. OPTION (3) SEED WITH 60 LBS/ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL ANCHORED STRAW.  
 MULCHING: APPLY 14 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL/1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ.FT.) FOR ANCHORING.  
 MAINTENANCE: INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE DISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.  
 SEEDBED PREPARATION: LOOSEN UPPER THREE-INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.  
 SOIL AMENDMENTS: APPLY 1000 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ.FT.)  
 SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU NOVEMBER 15, SEED WITH 15 BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS/1000 SQ.FT.). FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS PER ACRE OF KEEPING LOVEGRASS (.07 LBS/1000 SQ.FT.). FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOD.  
 MULCHING: APPLY 14 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GAL PER ACRE (5 GAL/1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES, 8 FT. OR HIGHER, USE 348 GAL PER ACRE (8 GAL/1000 SQ.FT.) FOR ANCHORING.  
 REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

SEDIMENT TRAP #2:  
 DRAINAGE AREA = 0.6 AC. +  
 VOLUME REQUIRED = 40 CU. YDS.  
 VOLUME PROVIDED = 43 CU. YDS.  
 TOP DIMENSIONS = 20' x 25'  
 BOTTOM DIMENSIONS = 14' x 19'  
 SIDE SLOPES = 1:1  
 DEPTH = 3.0'  
 WEIR CREST ELEVATION = 537.00  
 BOTTOM ELEVATION = 533.50  
 CLEANOUT ELEVATION = 535.00

AD-BUILD SURVEY CERTIFIED BY  
 CHARLES J. COVINO, SR. REG-SP.E. No 1324  
 ON Nov. 20, 1985



- CONSTRUCTION SEQUENCE:
- OBTAIN GRADING PERMIT.
  - REVIEW AND IMPLEMENT REQUIREMENTS OF THE TEMPORARY WATERWAY CONSTRUCTION PERMIT ISSUED BY WATER RESOURCES ADMINISTRATION.
  - PLACE STONE CONSTRUCTION ENTRANCE AS SHOWN ON PLAN.
  - INSTALL SILT FENCE OR STRAW BALE DIKES AS SHOWN ON PLAN. CONSTRUCT SED. TRAPS. STRAW BALE DIKE OR SILT FENCE SHALL BE PLACED BY CONTRACTOR AT THE LIMIT OF DISTURBANCE DURING THE CONSTRUCTION OF ROAD WIDENING ALONG FULLY QUARTER ROAD AT THE END OF EACH WORKING DAY.
  - CONSTRUCT THE FOLLOWING STORM DRAIN RUNS IN ORDER TO DIVERT WATER UNDER ROADWAY:  
 A) PARABOLIC CHANNEL ALONG BUCKSKIN LAKE DRIVE STA. 21 + 75 TO S-4  
 B) STORM DRAIN RUN FROM S-4 TO S-2  
 C) STORM DRAIN RUN FROM I-5 TO S-1.  
 D) STORM DRAIN RUN FROM S-6 TO S-5.
  - INSTALL SILT FENCE OR STRAW BALE DIKE ALONG UPGRADE SIDES OF THE EXCAVATION AT THE LIMITS OF DISTURBANCE-BOTH SIDES OF STREAM.
  - EXCAVATE SETTLING AND DEWATERING BASIN TO DIMENSIONS SHOWN. CONSTRUCT STONE OUTLET DAM AT DOWNSTREAM FACE OF BASIN.
  - EXCAVATE STREAM DIVERSION CHANNEL.
  - DEWATER C.M.P.A.'S INSTALLATION AREA - PUMP ALL WATER INTO THE SETTLING AND DEWATERING BASIN.
  - PLACE SANDBAGS AT BOTH UPSTREAM AND DOWNSTREAM LIMITS OF C.M.P.A. INSTALLATION AREA.
  - CONSTRUCT CONCRETE END SUPPORT WALLS.
  - INSTALL C.M.P.A.'S.
  - AS ROADWAY FILL IS PLACED, INSTALL SILT FENCE OR STRAW BALE DIKES ALONG THE ENTIRE LENGTH OF THE TOE OF SLOPE OF THE EMBANKMENT - UPSTREAM AND DOWNSTREAM FACES.
  - INSTALL THE RIP RAP CHANNEL AT THE DOWNSTREAM END OF THE C.M.P.A.'S INSTALLATION AREA.
  - REDIRECT FLOW THROUGH C.M.P.A.'S.
  - INSTALL STORM DRAIN RUN FROM I-3 AND CONNECT 15" C.M.P. TO C.M.P.A.'S.
  - COMPLETE INSTALLATION OF C.M.P.A.'S.
  - LAY BASE COURSE.
  - GRADE ROADS TO SUBGRADE STABILIZING SLOPE AREAS BETWEEN EXISTING GROUND AND BACK OF CURB USING PERMANENT SEEDING.
  - CONSTRUCT REMAINING STORM DRAIN SYSTEM.
  - INSTALL CURB INLET PROTECTION DEVICE AT ALL STORM DRAIN INLETS.
  - LAY BASE COURSE.
  - STABILIZE, SEED AND MULCH EMBANKMENT SLOPES AND ALL OTHER DISTURBED AREAS IN ACCORDANCE WITH THE SEDIMENT CONTROL NOTES.
  - UPON STABILIZATION OF GRADED AREAS, INLETS SHALL BE OPENED AND ALL ACCUMULATED SEDIMENT SHALL BE REMOVED FROM THE STORM DRAIN SYSTEM. INSTALL RIP RAP CHANNELS AND GRADE GRASS CHANNEL @ S-2.
  - THROUGHOUT THE CONSTRUCTION PERIOD, AND ESPECIALLY AFTER EACH RAINFALL, THE CONTRACTOR SHALL INSPECT AND PROVIDE ALL NECESSARY MAINTENANCE ON THE SEDIMENT CONTROL DEVICES TO ENSURE THAT ALL DEVICES ARE IN SATISFACTORY WORKING CONDITION.
  - REMOVE STONE CONSTRUCTION ENTRANCE.
  - CLEAN BASE COURSE, APPLY TACK COAT TO BASE COURSE, LAY SURFACE COURSE. STABILIZE ALL SHOULDERS USING PERMANENT SEEDING.
  - THE SETTLING AND DEWATERING BASIN SHALL BE DEWATERED BY PUMPING.
  - 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, DITCHES, PERMETER SLOPES AND ALL SLOPES GREATER THAN 3:1; b) 14 CALENDAR DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
  - THE EXISTING POND ON LOT 8 SHALL BE DEWATERED BY PUMPING THE POND SHALL BE BACKFILLED AND STABILIZED WITH PERMANENT SEEDING.

OWNER AND DEVELOPER  
 DALE Z. MAISEL  
 CO. HOWARD COUNTY LAND SERVICES, INC.  
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GRADING AND SEDIMENT CONTROL PLAN  
 BUCKSKIN WOODS  
 SECTION I LOTS 1-37  
 5TH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 SCALE: AS SHOWN SHEET 13 OF 13 NOV 15, 1985

D.A.N.	REVISION	DATE
BY	CHANGE PIPE SIZE FROM I-6 TO S-2.	4/22/86

#1175

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