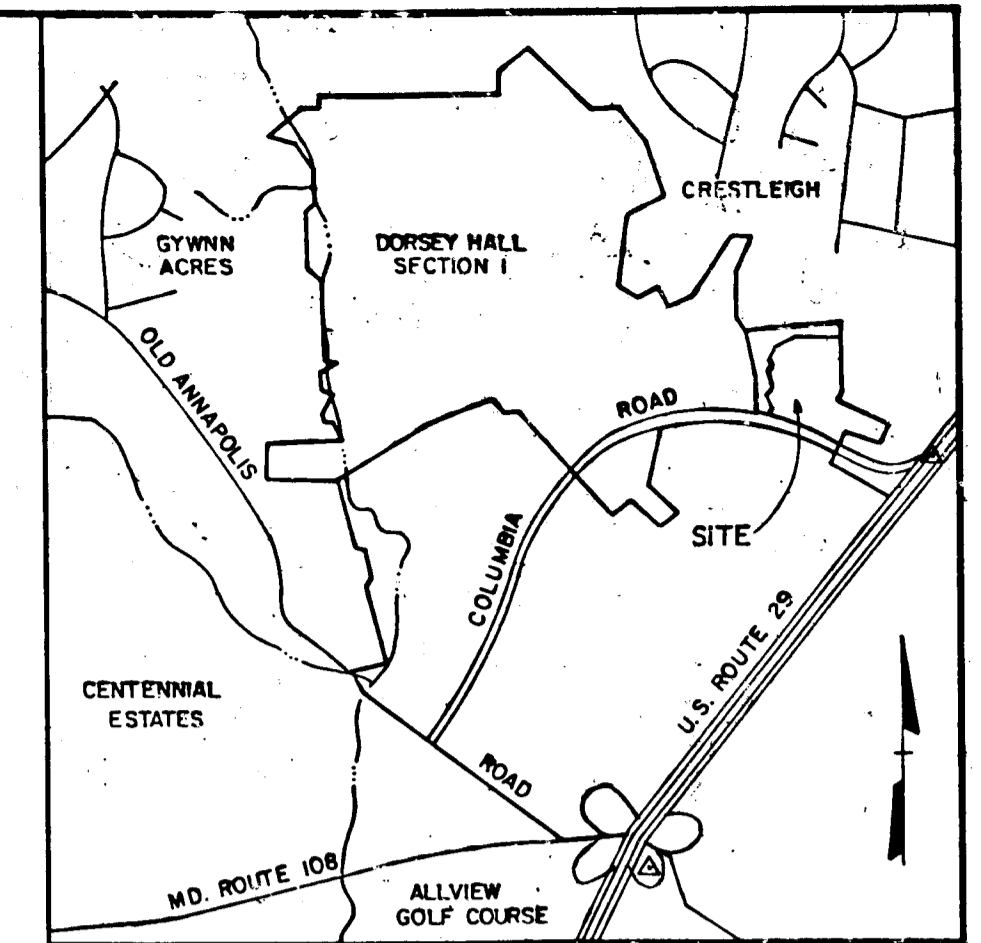


DORSEY HALL

SECTION 2-AREA 2 PARCEL "A"

2ND. ELECTION DISTRICT

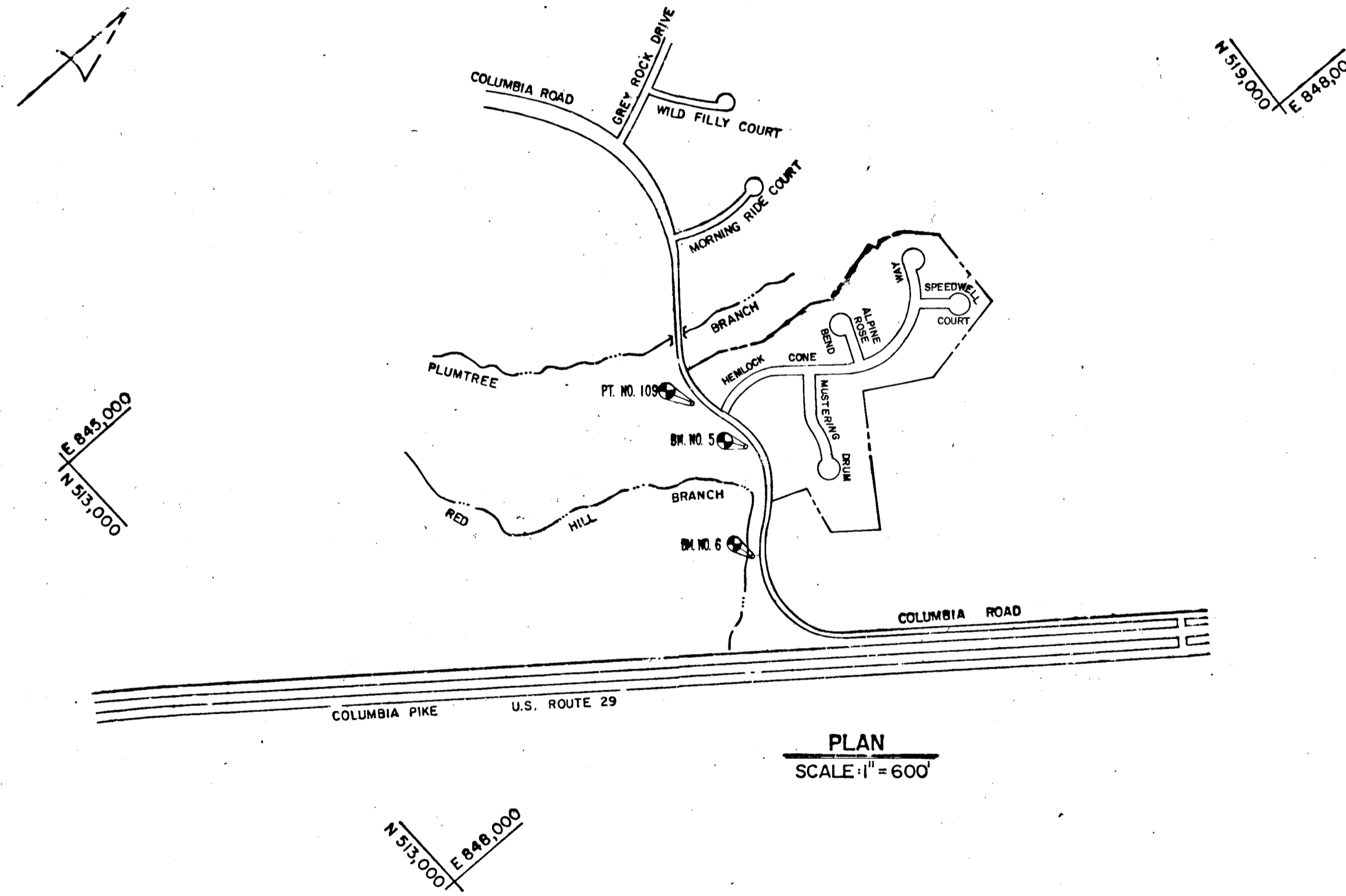
HOWARD COUNTY, MARYLAND



VICINITY MAP
SCALE: 1" = 2,000'

GENERAL NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS, SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
2. ALL UTILITIES SHALL BE NOTIFIED 24 HOURS IN ADVANCE OF CONSTRUCTION.
3. ALL INLETS SHALL BE HOWARD COUNTY STANDARDS UNLESS OTHERWISE SHOWN.
4. STORM DRAIN TRENCHES WITHIN ROAD RIGHTS OF WAY SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH HOWARD COUNTY ROAD CODE.
5. APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND TO MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATIONS SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
6. THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES WHERE DIRECTED BY THE ENGINEER A MINIMUM OF TWO WEEKS IN ADVANCE OF ANY CONSTRUCTION.
7. TEMPORARY COMPACTED 18" HIGH EARTH FILL DIVERSION DIKES SHALL BE CONSTRUCTED ABOVE THE LIPS OF FILL SLOPES ON THE R.O.W. CONCURRENTLY WITH THE INITIAL GRADING AND DIRECTED TO UNDISTURBED SOD AREAS AT THE END OF EACH DAY.
8. CONTRACTOR TO NOTIFY THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS AND PERMITS AT LEAST 3 DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS. TELEPHONE NO. 992-2436.
9. ALL DISTURBED SLOPE AREAS TO BE STABILIZED AS SOON AS GRADING IS COMPLETED.
10. ALL REINFORCED CONCRETE FOR STORM DRAIN STRUCTURES SHALL HAVE A MINIMUM OF 28 DAYS STRENGTH OF 3500 p.s.i.
11. ALL SWALES AND SLOPES SHALL BE PERMANENTLY SEEDED. SEE THE SEED SPECIFICATIONS ON SHEET 10.
12. INSTALLATION OF TRAFFIC CONTROL DEVICES, MARKING AND SIGNING SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES 1978 OR LATEST REVISION.
13. STABILENKA (FILTER CLOTH T-100) OR EQUAL SHALL BE PLACED UNDER ALL STONE RIPRAP (FULL WIDTH AND LENGTH OF STONE).
14. STONE FOR RIPRAP SHALL BE AS SPECIFIED ON THE DRAWINGS. ALL RIPRAP SHALL BE UNPAVED.
15. CONTRACTOR TO NOTIFY "MISS UTILITY" PHONE (1) 539-0100 AT LEAST THREE (3) DAYS BEFORE STARTING WORK SHOWN ON THIS/THESE DRAWING(S).
16. DESIGNED TRAFFIC SPEED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL VOLUME III STANDARDS. DESIGN SPEED FOR ALL ROADS-30MPH EXCEPT MUSTERING DRUM-25 MPH
17. ALL ELEVATIONS SHOWN ARE BASED ON U.S.C. AND G.S. MEAN SEA LEVEL DATUM 1929.
18. ALL COORDINATES BASED ON MARYLAND STATE GRID SYSTEM.
19. PIPE SHALL NOT BE INSTALLED BY THE CONTRACTOR UNTIL THE LENGTH CALLED FOR AT EACH STATION HAS BEEN APPROVED BY THE ENGINEER IN THE FIELD.
20. CONTRACTOR TO RESTORE ALL EXISTING PAVING, SIDEWALKS OR LAWNS AFFECTED BY THE CONSTRUCTION SHOWN HEREON TO A CONDITION COMPARABLE TO THAT EXISTING PRIOR TO CONSTRUCTION.
21. REFER TO APPROVED GP 86-61 FOR SEDIMENT CONTROL DEVICES THAT ARE TO BE MAINTAINED DURING CONSTRUCTION OF THIS CONTRACT. SEE DRAWINGS 8 THRU 10 FOR ANY REVISIONS REQUIRED BY THIS WORK.
22. ALL STORM DRAIN BEDDING TO BE CLASS C EXCEPT WHERE OTHERWISE NOTED.
23. TOP OF INLET ELEVATIONS SHOWN ARE GIVEN AT THE TOP OF CURB AT THE CENTER OF THE INLET.



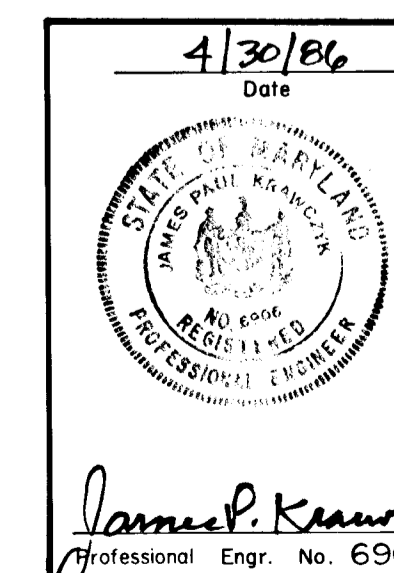
PLAN
SCALE: 1" = 600'

Bench Marks

- CEI TBM TRAVERSE POINT NO. 109
REBAR W/X-CUT ELEV. 351.31
- CEI TBM NO. 6 ELEV. 344.05
X-CUT ON S.E. FLANGE BOLT OF FIRE HYDRANT SOUTH SIDE OF OLD COLUMBIA RD. STA. 264+40 - 20' LT.
- CEI TBM NO. 5 ELEV. 362.99
X-CUT ON S.E. FLANGE BOLT OF FIRE HYDRANT SOUTH SIDE OF OLD COLUMBIA RD. STA. 271+71 - 25' LT.

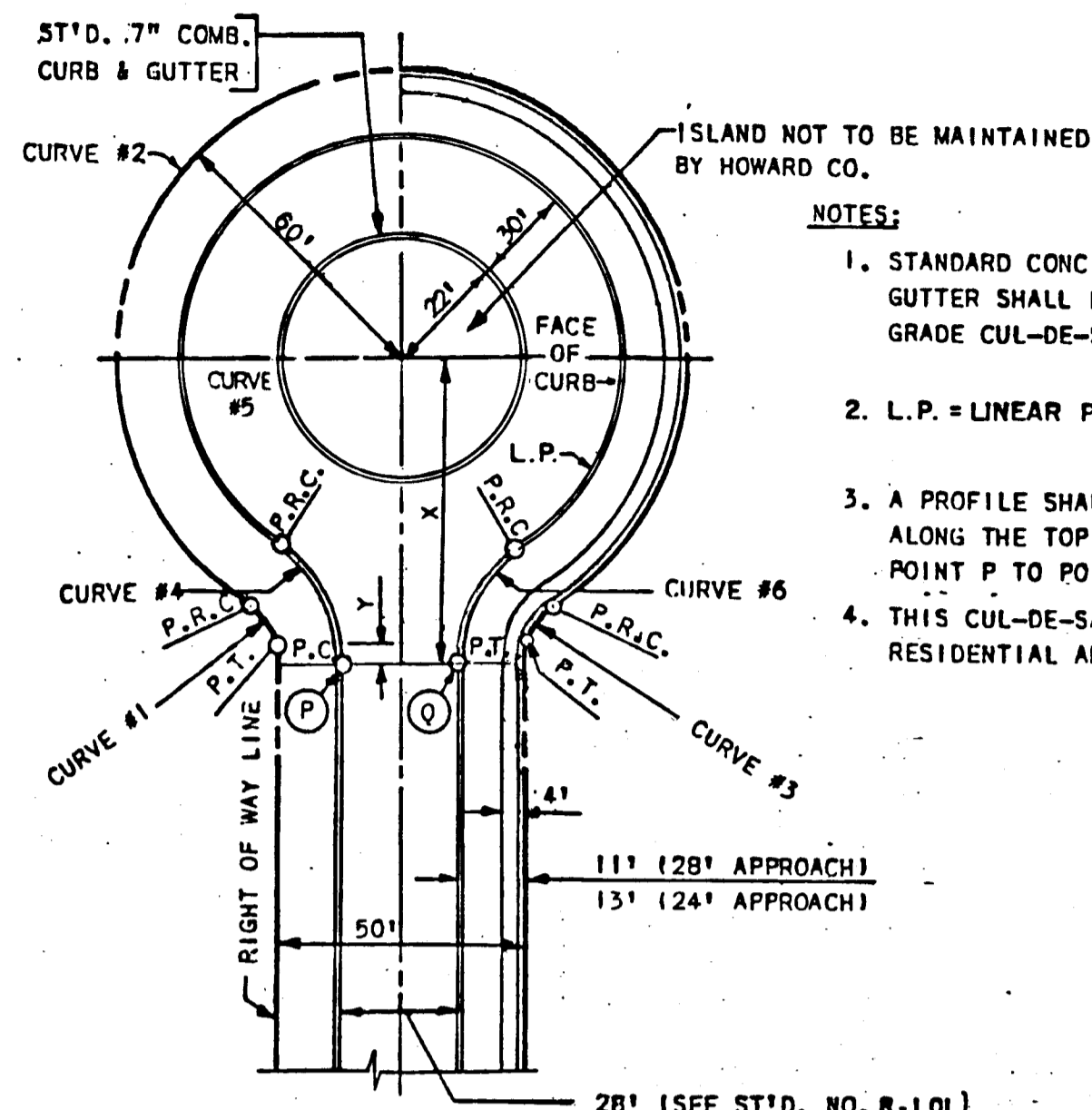
DEPARTMENT OF PUBLIC WORKS		
<i>[Signature]</i>	7-15-86	DATE
CHIEF, BUREAU OF ENGINEERING		
DEPARTMENT OF PLANNING AND ZONING		
<i>[Signature]</i>	7-22-86	DATE
CHIEF, DIV. OF LAND/DEVEL. AND ZONING ADMIN.		
Date	No.	Revision Description
OWNER AND DEVELOPER		
COLUMBIA INDUSTRIAL DEVELOPMENT CORPORATION		
C/O		
THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION		
THE ROUSE COMPANY		
10275 Little Patuxent Parkway Columbia, Maryland 21044		
CENTURY ENGINEERING, INC.		
CONSULTING ENGINEERS • PLANNERS		
TOWSON, MARYLAND 21204		
AREA DORSEY HALL		
SECTION 2-AREA 2 TAX MAP 30 - PART OF PARCEL 12		
2nd ELECTION DISTRICT OF HOWARD COUNTY, MD.		
TITLE TITLE SHEET		
Des By	J.R.H.	Scale AS SHOWN
Drn By	H.W.	Date 4-25-86
Chk By	J.P.K.	Approved
Proj No	85-0117	
Drawing No.	1 OF 10	

NO.	INDEX OF SHEETS
1	TITLE SHEET
2	DETAIL SHEET
3	ROAD PLAN AND PROFILE: HEMLOCK CONE WAY STA. 0+00 TO STA. 12+00
4	ROAD PLAN AND PROFILE: HEMLOCK CONE WAY AND SPEEDWELL COURT
5	ROAD PLAN AND PROFILE: ALPINE ROSE
6	ROAD PLAN AND PROFILE: MUSTERING DRUM
7	STORM DRAIN PROFILES
8	DRAINAGE AREA MAP, GRADING & SEDIMENT CONTROL PLANS
9	DRAINAGE AREA MAP, GRADING & SEDIMENT CONTROL PLANS
10	SEDIMENT CONTROL DETAILS



F-86-183

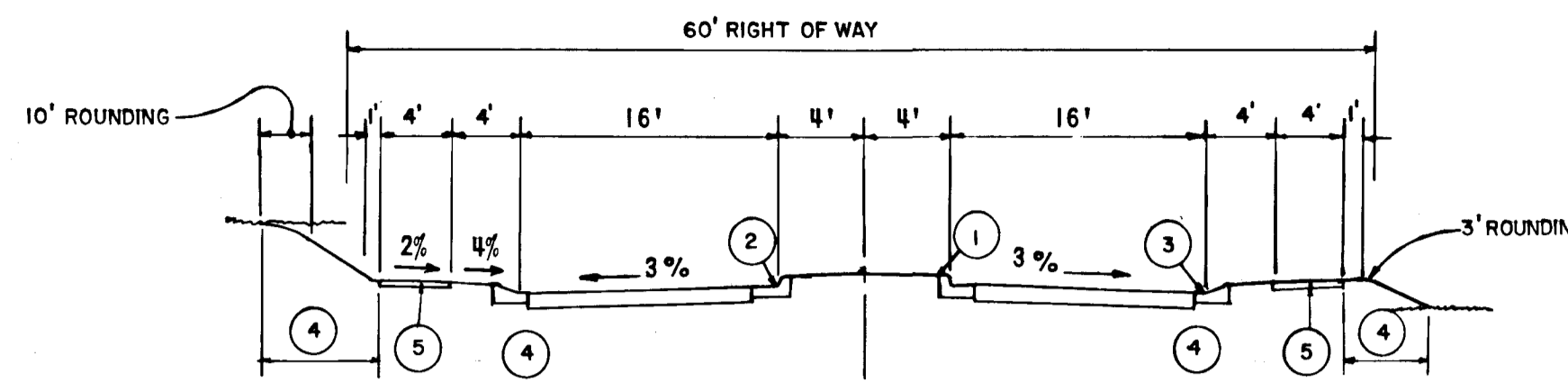
771



- NOTES:
1. STANDARD CONC. COMB. CURB & GUTTER SHALL BE USED ON DOWN GRADE CUL-DE-SAC.
 2. L.P. = LINEAR PROFILE OF CURB.
 3. A PROFILE SHALL BE PROVIDED ALONG THE TOP OF CURB FROM POINT P TO POINT Q.
 4. THIS CUL-DE-SAC TO BE USED IN RESIDENTIAL AREAS ONLY.

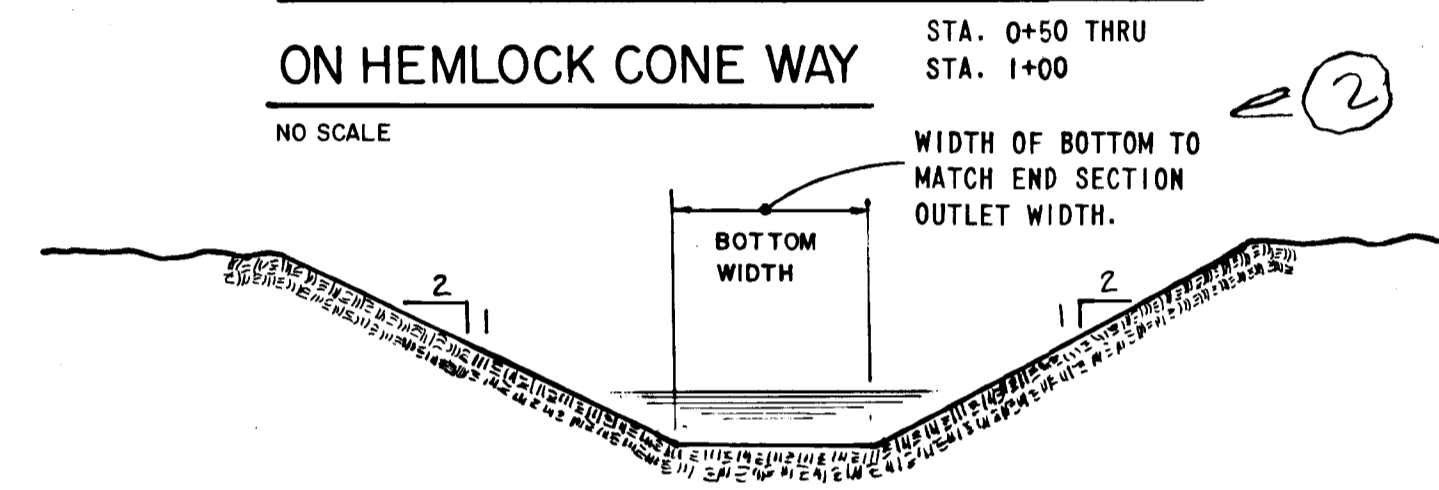
CURVE DATA				
	CURVE NO.			
	1 & 3	2	4 & 6	5
28' APPROACH: X=74.48', Y=5.75', L.P.=336.97'				
Δ	53°58'05"	287°56'10"	54°03'13"	288°07'02"
R	25.00'	60.00'	40.00'	52.00'
L	23.55'	301.93'	37.74'	261.49'
T	12.73'	—	20.41'	—
L.C.	22.69'	—	36.36'	—

CUL-DE-SAC FOR 28' PAVEMENT WIDTH
NO SCALE

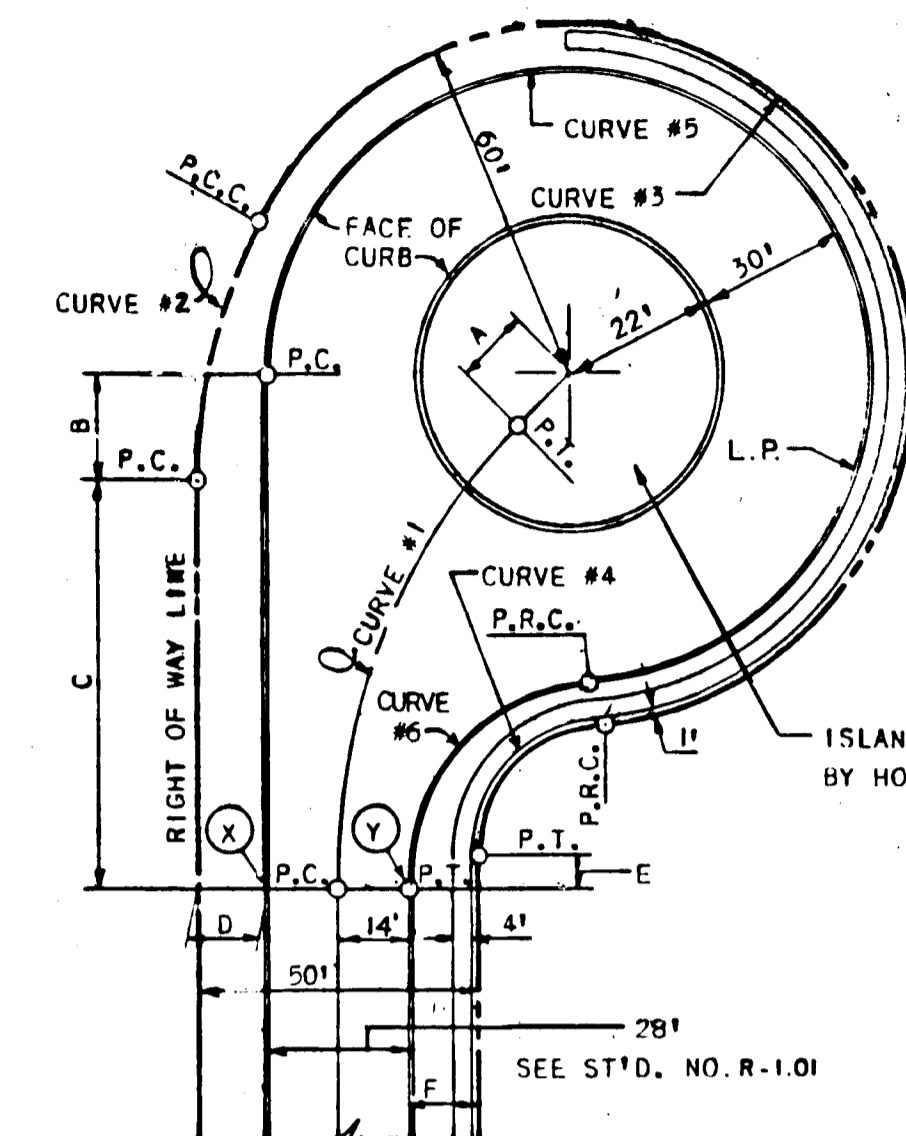


- 1 PROFILE GRADE LINE (PGL), SEE DESIGN MANUAL.
- 2 ST'D. COMB. CURB & GUTTER.
- 3 MOD. COMB. CURB & GUTTER
- 4 INDICATES 2" TOPSOIL, SEED AND MULCH.
- 5 4" CONCRETE SIDEWALK AS REQUIRED BY SUB-DIVISION REGULATIONS.
- 6 DITCH CROSS SECTION SLOPE MAY BE FLATTENED TO PROVIDE A SWALE AT OR NEAR THE CREST OF VERTICAL CURVES WHERE QUANTITY OF SWALE FLOW IS SMALL, AS APPROVED BY DPW.

TYPICAL SECTION THRU ENTRANCE
ON HEMLOCK CONE WAY



GRASSED SWALE
NO SCALE

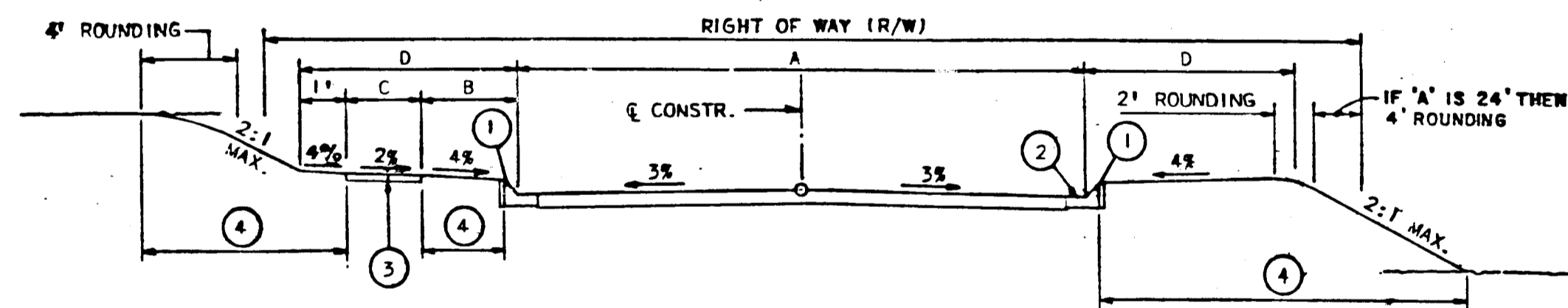


- NOTES:
1. STANDARD CONC. COMB. CURB & GUTTER SHALL BE USED ON DOWN GRADE CUL-DE-SAC'S.
 2. L.P. = LINEAR PROFILE OF CURB.
 3. A PROFILE SHALL BE PROVIDED ALONG THE TOP OF CURB FROM POINT X TO POINT Y.
 4. THIS CUL-DE-SAC TO BE USED IN RESIDENTIAL AREAS ONLY.

28' APPROACH	
A	13.83'
B	19.36'
C	71.23'
D	11.00'
E	6.44'
F	11.00'

CURVE DATA						
	CURVE NO.					
	1	2	3	4	5	6
28' APPROACH L.P.=382.98'						
Δ	39°59'32"	28°57'18"	234°17'19"	63°14'37"	259°59'05"	79°59'04"
R	124.48'	100.00'	60.00'	25.00'	52.00'	40.00'
L	86.89'	50.54'	245.35'	36.32'	235.95'	55.84'
T	45.30'	25.82'	—	22.21'	—	33.55'
L.C.	85.14'	50.00'	—	33.21'	—	51.41'

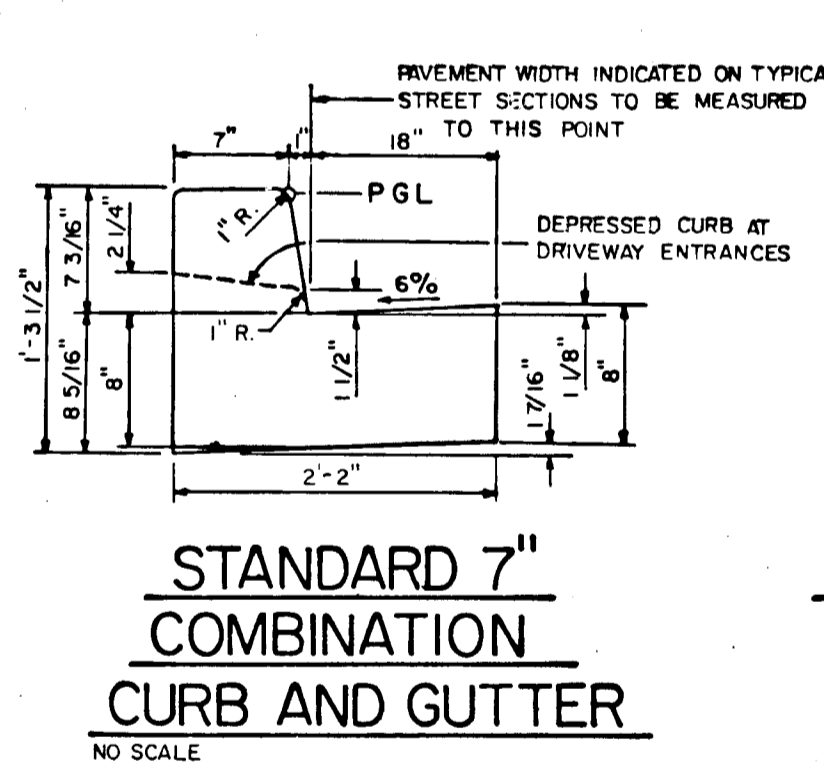
OFFSET CUL-DE-SAC FOR 28' PAVEMENT WIDTH
NO SCALE



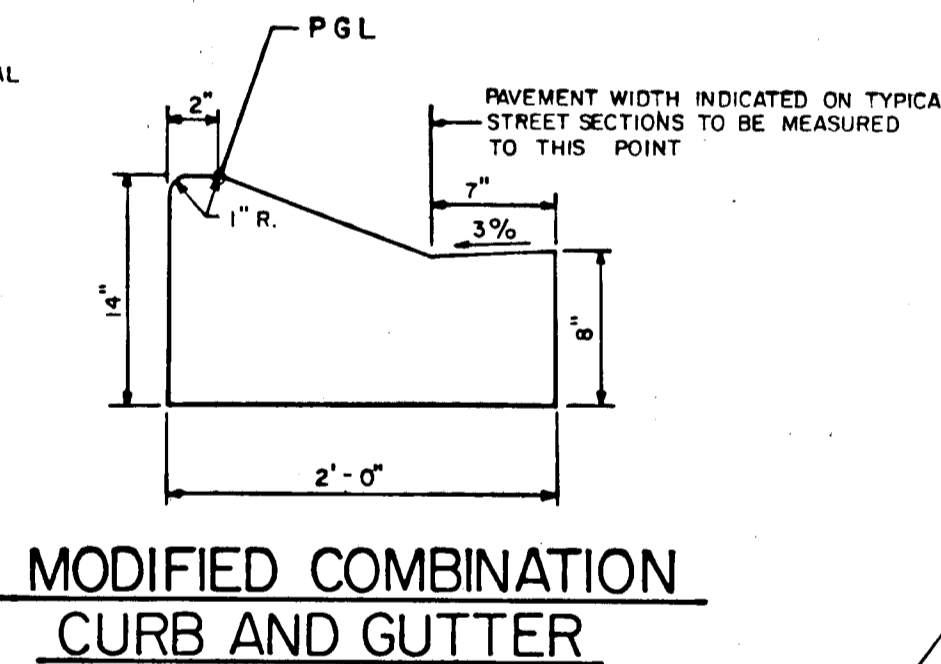
- 1 PROFILE GRADE LINE (PGL).
- 2 TYPE OF CURB VARIES (MOD. COMB. CURB & GUTTER OR ST'D. COMB. CURB & GUTTER).
- 3 4" CONCRETE SIDEWALK
- 4 INDICATES 2" TOPSOIL, SEED AND MULCH.
- 5 DITCH CROSS SECTION SLOPE MAY BE FLATTENED TO PROVIDE A SWALE AT OR NEAR THE CREST OF VERTICAL CURVES WHERE QUANTITY OF SWALE FLOW IS SMALL, AS APPROVED BY DPW.
- 6 DESIGN SPEED FOR ALL ROADS - 30 MPH EXCEPT MUSTERING DRUM - 25 MPH. SEE NOTE 16 SHEET No. 1

ROAD NAME & STATION	A	B	C	D	R/W	PAVING SECTION
HEMLOCK CONE WAY LOCAL ROAD STA. 1+00 TO STA. 9+18.12	VARIES SEE PLAN	4'	4'	9'	VARIES SEE PLAN	P 2
HEMLOCK CONE WAY LOCAL ROAD STA. 4+18.12 TO STA. 18+42.88	30'	4'	4'	9'	50'	P 2
HEMLOCK CONE WAY CUL-DE-SAC ROAD STA. 18+42.88 TO STA. 15+92.88	28'	4'	4'	9'	50'	P 2
MUSTERING DRUM CUL-DE-SAC ROAD STA. 0+00 TO STA. 2+05.00	28'	4'	4'	9'	50'	P 2
ALPINE ROSE BEND CUL-DE-SAC ROAD STA. 0+00 TO STA. 1+70.00	28'	4'	4'	9'	50'	P 2

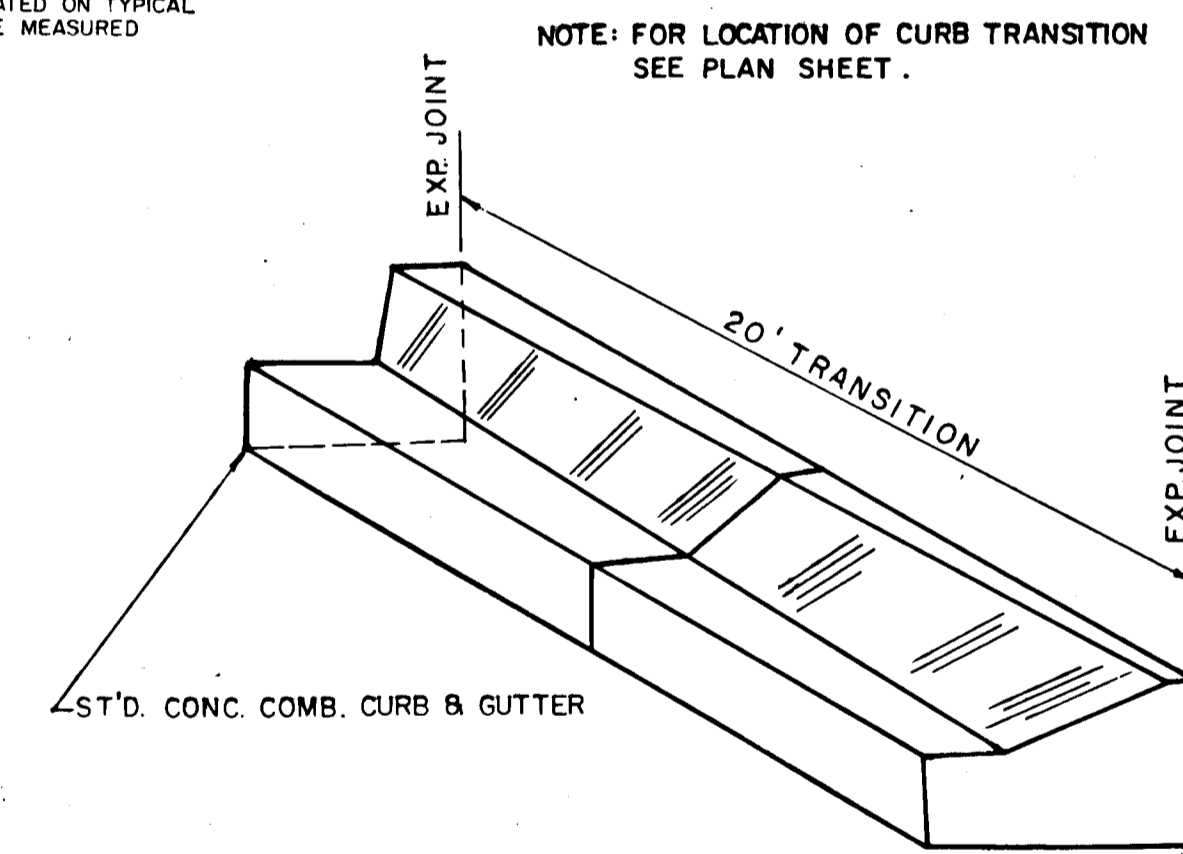
TYPICAL ROADWAY SECTION
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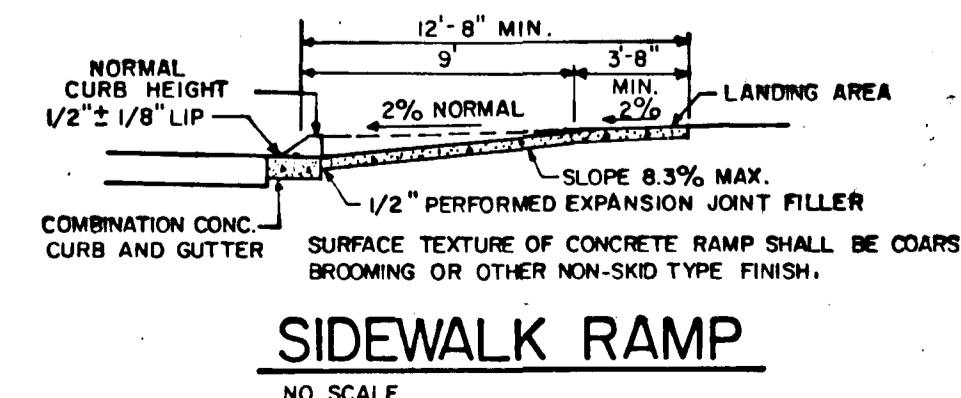
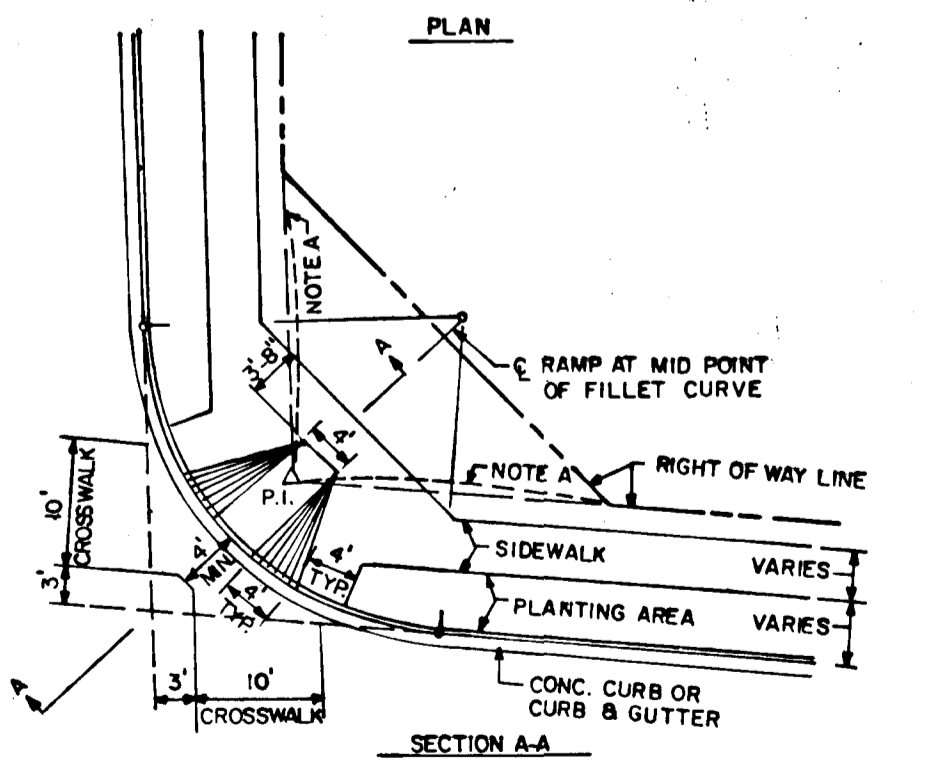
STANDARD 7" COMBINATION CURB AND GUTTER
NO SCALE



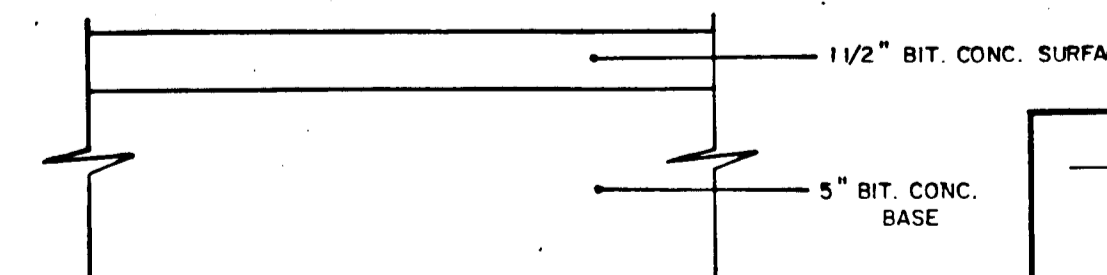
MODIFIED COMBINATION CURB AND GUTTER
NO SCALE



CONCRETE CURB & GUTTER TRANSITION
NO SCALE



SIDEWALK RAMP
NO SCALE



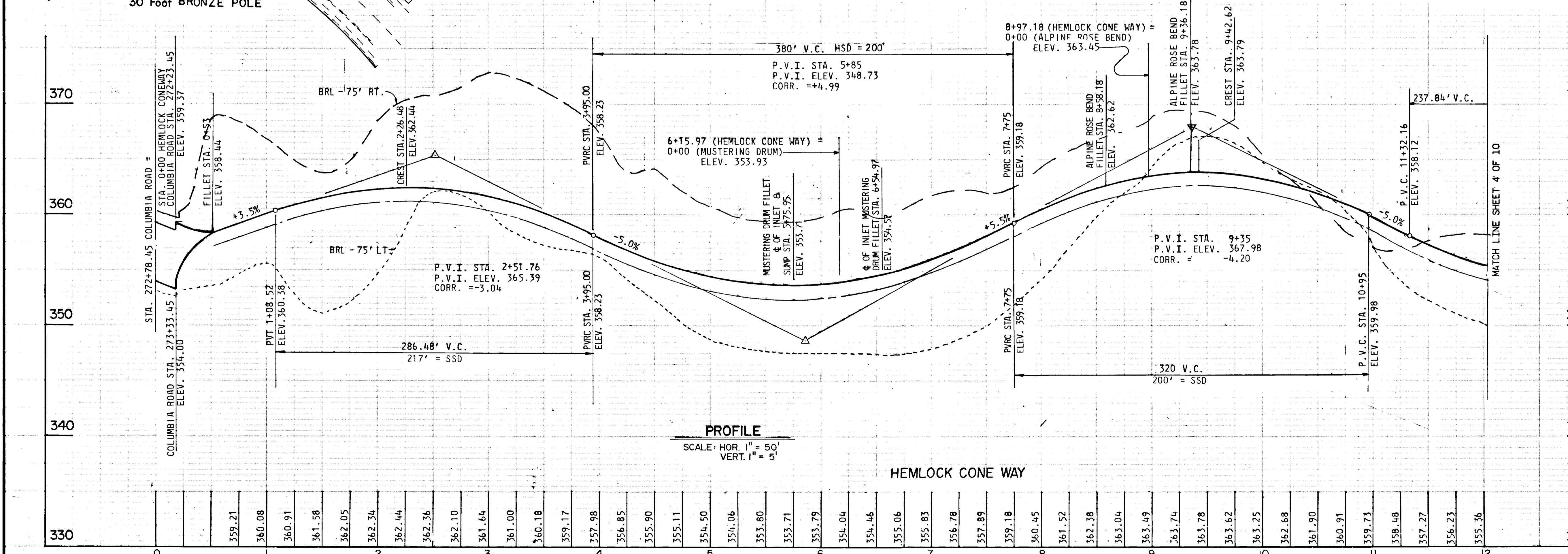
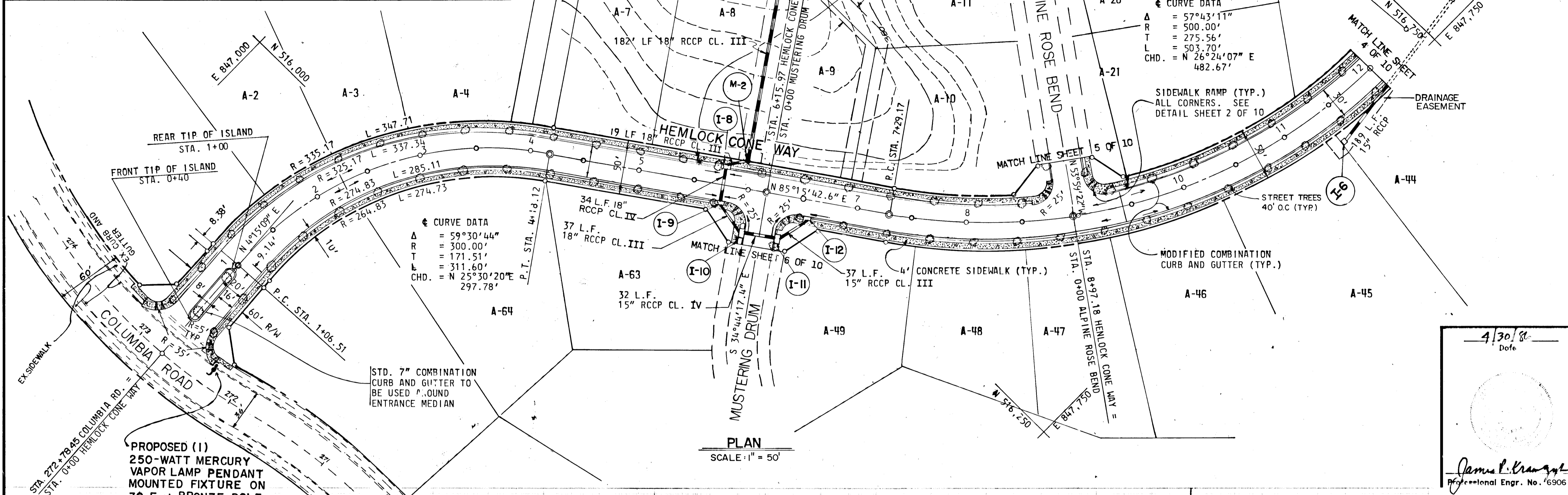
FULL DEPTH BIT. CONC. P-2
NO SCALE

4-25-86
Date

James P. Kravitz
Professional Engr. No. 6906

DEPARTMENT OF PUBLIC WORKS		
CHIEF, BUREAU OF ENGINEERING 7-25-86 DATE		
DEPARTMENT OF PLANNING AND ZONING		
CHIEF, DIV. OF LAND DEVEL. AND ZONING ADM. 7-22-86 DATE		
Date	No	Revision Description
OWNER AND DEVELOPER		
COLUMBIA INDUSTRIAL DEVELOPMENT CORPORATION		
C/O		
THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION		
THE ROUSE COMPANY		
10275 Little Patuxent Parkway		
Columbia, Maryland 21044		
CENTURY ENGINEERING, INC.		
CONSULTING ENGINEERS - PLANNERS		
TOWSON, MARYLAND 21204		
AREA	DORSEY HALL	
SECTION	SECTION 2-AREA 2 TAX MAP 30-PART OF PARCEL 12	
TITLE	2nd ELECTION DISTRICT OF HOWARD COUNTY, MD.	
DETAIL SHEET		
Des By	R.F.	Scale AS SHOWN
Proj	No 85-0117	
Drn By	R.F.	Date 4-25-86
Drawing No.	2 OF 10	
Chk By	J.P.K.	Approved

STRUCT. NO.	STATION	OFFSET	TYPE	TOP ELEV.	REMARKS
S-4	SEE PLAN	SEE PLAN	STD. END SEC.	SEE PROFILE	HOWARD CO. DETAIL SD 5.51
M-1	SEE PLAN	SEE PLAN	STD. MANHOLE	341.3	HOWARD CO. DETAIL G 5.12
I-8	6+06.96	15' LT.	A-5	353.71*	HOWARD CO. DETAIL SD 4.01
I-9	5+76.97	15' RT.	A-5	353.71*	HOWARD CO. DETAIL SD 4.01
I-10	0+40.00	14' RT.	A-5 W/DEFLECT.	354.10*	HOWARD CO. DETAIL SD 4.01 & 4.83
I-11	0+40.00	14' LT.	A-5 W/DEFLECT.	354.10*	HOWARD CO. DETAIL SD 4.01 & 4.83
I-12	6+54.97	15' RT.	A-5 W/DEFLECT.	354.57	HOWARD CO. DETAIL SD 4.01 & 4.83
I-6	11+40.00	30' RT.	STD. 'D'	357.0	HOWARD CO. DETAIL SD 4.11
M-2	5+95.00	25' LT.	STD. MANHOLE	354.15	HOWARD CO. DETAIL ST 5.12



DEPARTMENT OF PUBLIC WORKS

James P. Kravitz 7-25-86
 CHIEF, BUREAU OF ENGINEERING DATE

DEPARTMENT OF PLANNING AND ZONING

John W. Mueselmann 7-22-86
 CHIEF DIV. OF LAND DEVEL. AND ZONING ADM. DATE

Date	No.	Revision Description
4-29-87	1	Extended 18" RCP RELOCATED (S-4)

OWNER AND DEVELOPER

COLUMBIA INDUSTRIAL DEVELOPMENT CORPORATION

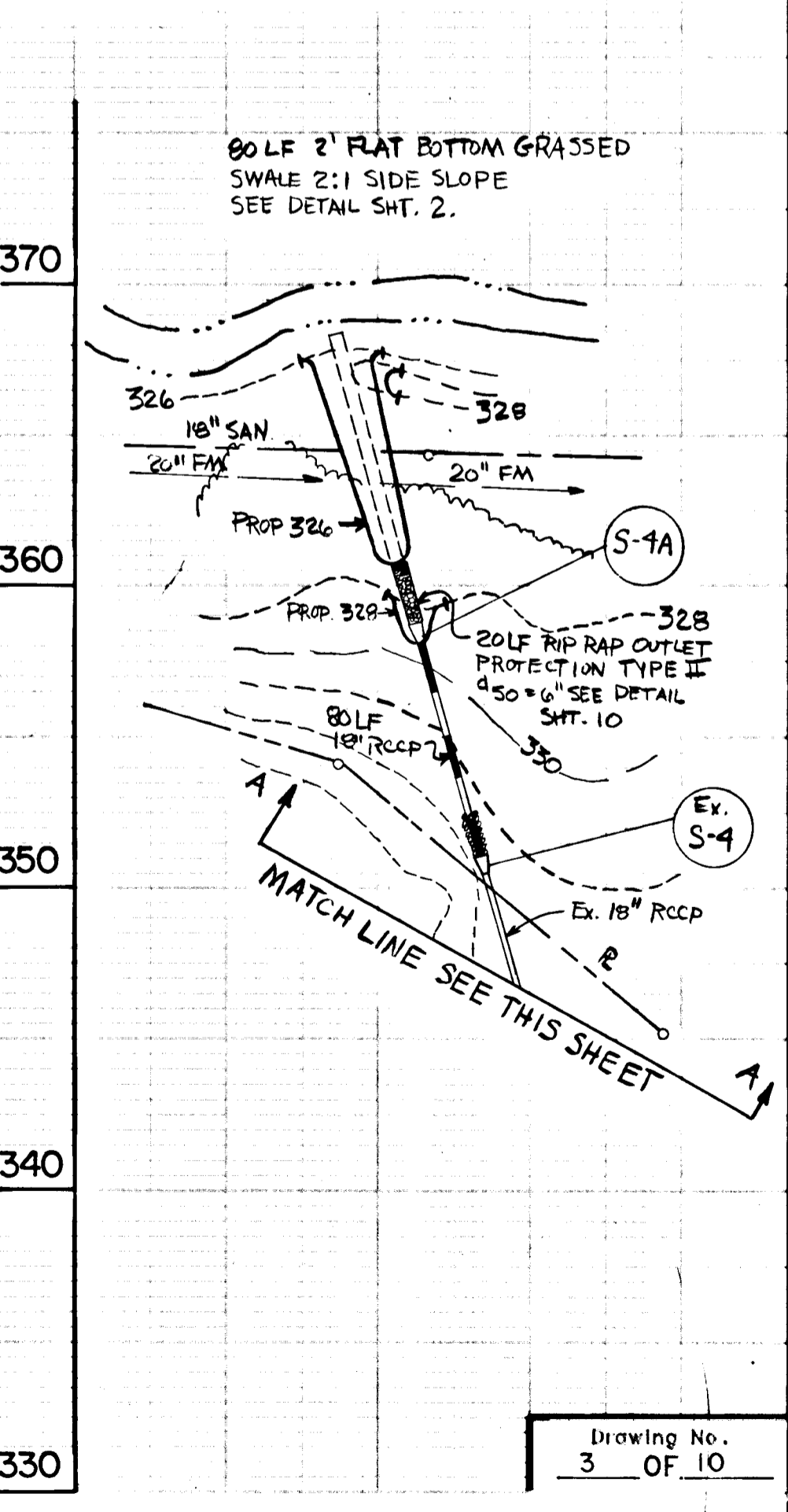
C/O
 THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION
 THE ROUSE COMPANY
 10275 Little Patuxent Parkway
 Columbia, Maryland 21044

CENTURY ENGINEERING, INC.
 CONSULTING ENGINEERS - PLANNERS
 TOWSON, MARYLAND 21204

AREA DORSEY HALL
 SECTION 2 AREA 2 TAX MAP-30 PART OF PARCEL 12
 2nd ELECTION DISTRICT OF HOWARD COUNTY, MD.

TITLE
 PLAN AND PROFILE
 HEMLOCK CONE WAY

Des By	GBZ & GRK	Scale	AS SHOWN	Proj. No.	85-0117
Drn By	FM	Date	4-15-86		
Chk By	JRH & JPK	Approved			



DATE	BY	REVISION

PLAN
 SURVEYED
 ALIGNMENT CHECKED
 NOTE BOOK NO. OF WAY CHECKED

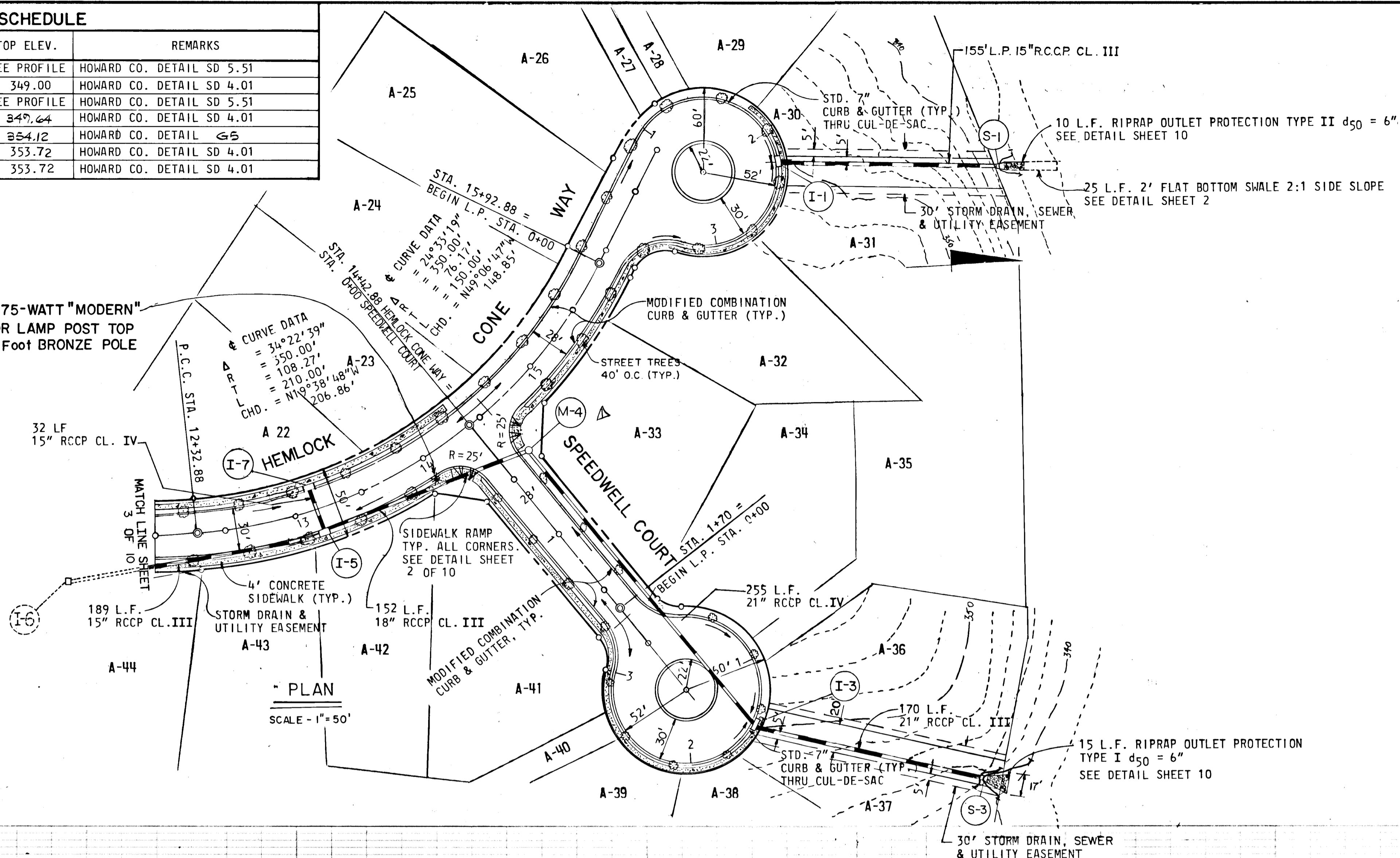
DATE	BY	REVISION

PROFILE
 SURVEYED
 GRADES CHECKED
 NOTE BOOK NO. NOTED
 STRUCTURE NOTATIONS CHECKED

771

STRUCTURE		SCHEDULE			
STRUCT. NO.	STATION	OFFSET	TYPE	TOP ELEV.	REMARKS
S-1	SEE PLAN	SEE PLAN	STD. END SEC.	SEE PROFILE	HOWARD CO. DETAIL SD 5.51
I-1	L.P. 2+26	0.00'	A-5	349.00	HOWARD CO. DETAIL SD 4.01
S-3	SEE PLAN	SEE PLAN	STD. END SEC.	SEE PROFILE	HOWARD CO. DETAIL SD 5.51
I-3	L.P. 1+48.62	0.00'	A-5	349.64	HOWARD CO. DETAIL SD 4.01
M-4	0+42.00	19' LT.	A/5	354.12	HOWARD CO. DETAIL GS 5
I-5	13+15.11	15' RT.	A-5	353.72	HOWARD CO. DETAIL SD 4.01
I-7	13+15.11	15' LT.	A-5	353.72	HOWARD CO. DETAIL SD 4.01

PROPOSED (1) 175-WATT "MODERN" MERCURY VAPOR LAMP POST TOP FIXTURE ON 14 FOOT BRONZE POLE



DEPARTMENT OF PUBLIC WORKS

CHIEF, BUREAU OF ENGINEERING *[Signature]* 7-25-86 DATE

DEPARTMENT OF PLANNING AND ZONING

CHIEF DIV. OF LAND DEVEL. AND ZONING ADM. *[Signature]* 7-22-86 DATE

OWNER AND DEVELOPER

COLUMBIA INDUSTRIAL DEVELOPMENT CORPORATION

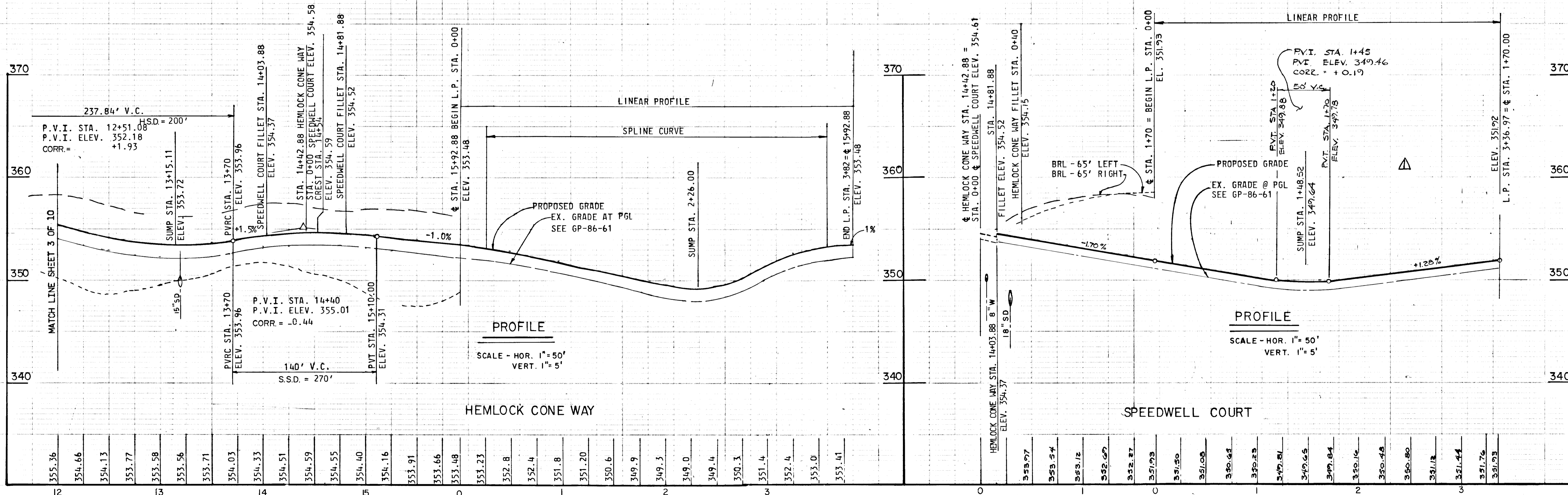
C/O
THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION
THE ROUSE COMPANY
10275 Little Patuxent Parkway
Columbia, Maryland 21044

CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS - PLANNERS
TOWSON, MARYLAND 21204

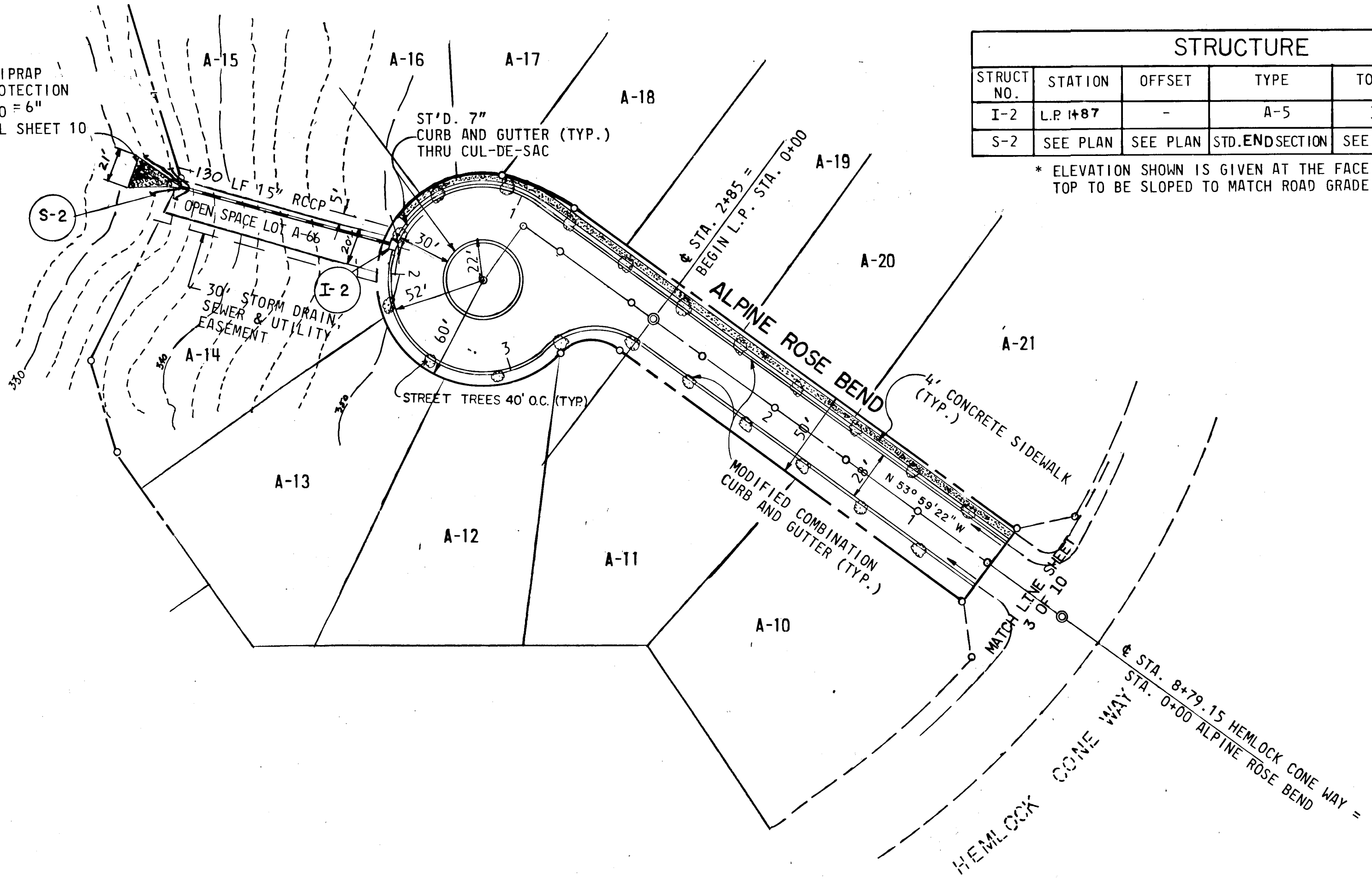
AREA DORSEY HALL
SECTION 2 AREA 2 TAX MAP 30-PART OF PARCEL 12
2nd ELECTION DISTRICT OF HOWARD COUNTY MD.

TITLE ROAD PLAN AND PROFILES
HEMLOCK CONE WAY AND SPEEDWELL COURT

Des By JRH Scale AS SHOWN Proj No 85-0117
Dwn By FM Date 4-25-86 PARCEL A
Chk By JPK Approved



20 L.F. RIPRAP
OUTLET PROTECTION
TYPE I $d_{50} = 6"$
SEE DETAIL SHEET 10

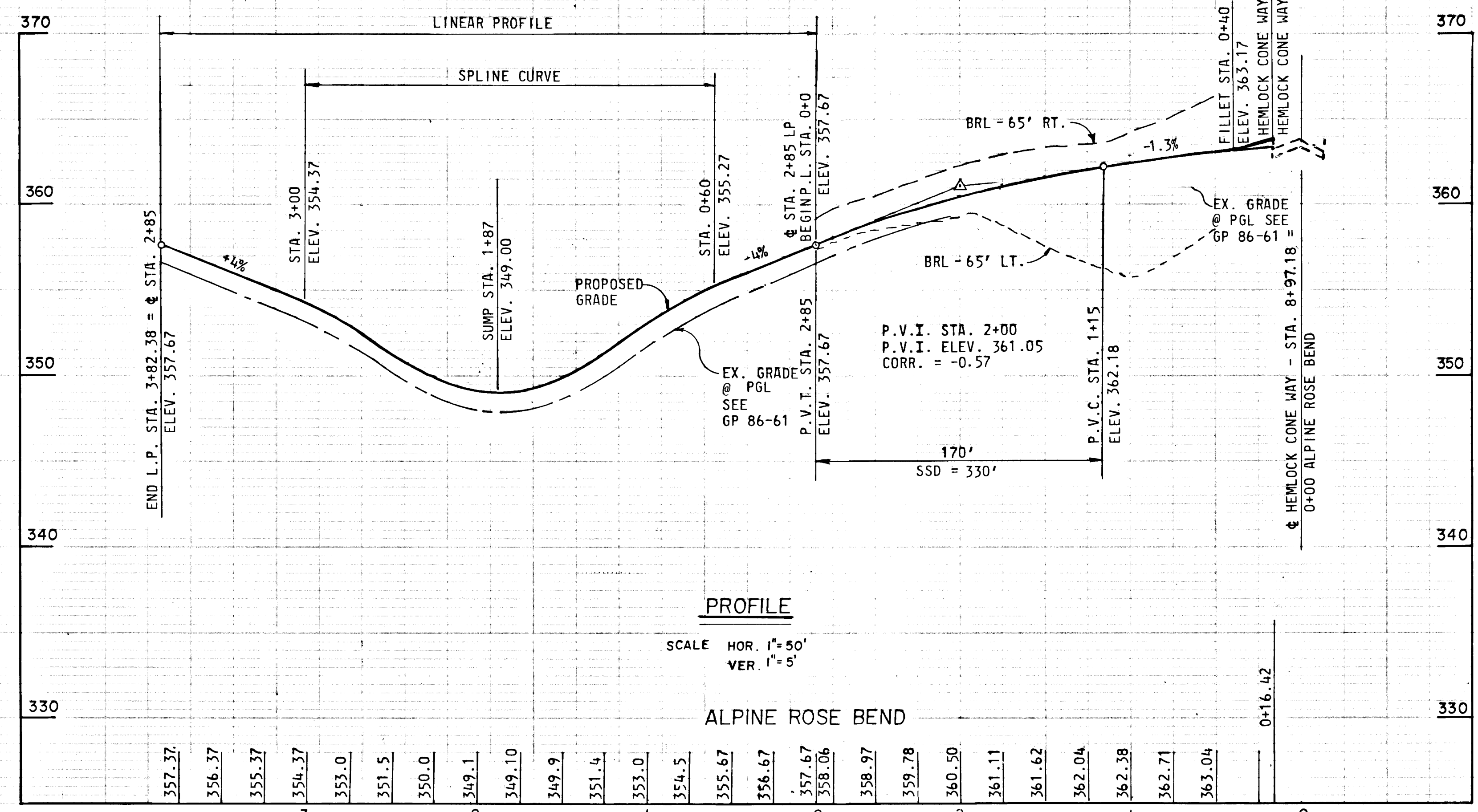


STRUCTURE SCHEDULE					
STRUCT. NO.	STATION	OFFSET	TYPE	TOP ELEV.	REMARKS
I-2	L.P. 1+87	-	A-5	349.00	HOWARD CO. DETAILS SD 4.01
S-2	SEE PLAN	SEE PLAN	STD. ENDSECTION	SEE PROFILE	HOWARD CO. DETAILS SD 5.51

* ELEVATION SHOWN IS GIVEN AT THE FACE OF CURB CENTER OF INLET.
TOP TO BE SLOPED TO MATCH ROAD GRADE.

PLAN

SCALE 1"=50'



PROFILE

SCALE HOR. 1"=50'
VER. 1"=5'

ALPINE ROSE BEND

DATE	BY

DATE	BY

DEPARTMENT OF PUBLIC WORKS

CHIEF, BUREAU OF ENGINEERING *[Signature]* DATE *7-22-86*

DEPARTMENT OF PLANNING AND ZONING

CHIEF DIV. OF LAND DEVEL. AND ZONING ADM. *[Signature]* DATE *7-22-86*

Date	No.	Revision Description

OWNER AND DEVELOPER

COLUMBIA INDUSTRIAL DEVELOPMENT CORPORATION

C/O
THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION
10275 Little Patuxent Parkway
Columbia, Maryland 21044

CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS - PLANNERS
TOWSON, MARYLAND 21204

AREA DORSEY HALL
SECTION 2-AREA 2 TAX MAP 30-PART OF PARCEL 12
2nd ELECTION DISTRICT OF HOWARD COUNTY, MD.

TITLE PLAN AND PROFILE
ALPINE ROSE BEND

Des By GSZ/GRL	Scale AS SHOWN	Proj No 85-C117
Drn By FM	Date 4/25/86	PARCEL A
Chk By JRH/JPK	Approved	

4-30-86
Date

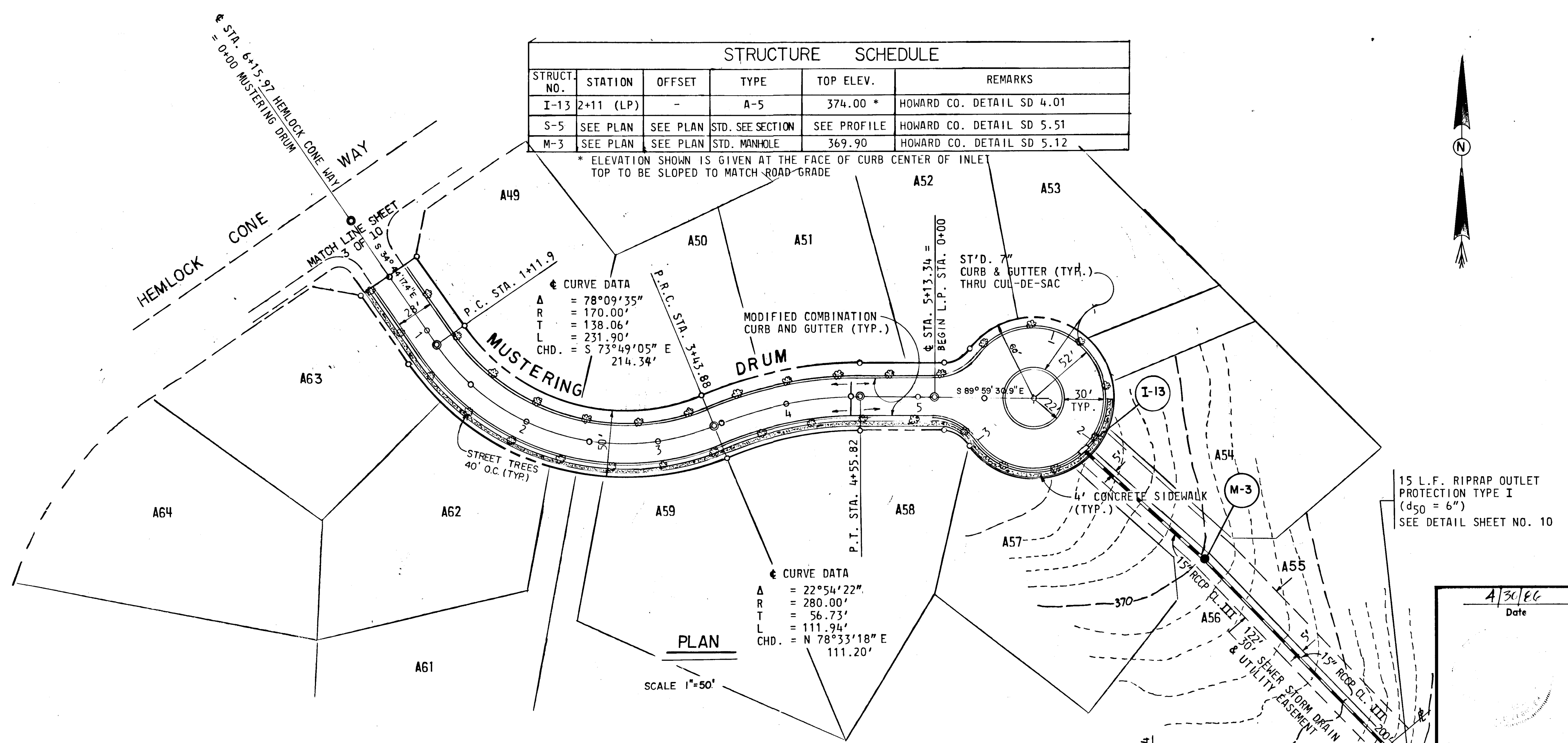
[Signature]
Professional Engr. No. 6906

DATE	
BY	
NO.	
PLAN	
NOTE BOOK	
NO.	
DATE	
BY	
NO.	
PROFILE	
NOTE BOOK	
NO.	
DATE	
BY	
NO.	

DATE	
BY	
NO.	
PROFILE	
NOTE BOOK	
NO.	
DATE	
BY	
NO.	

STRUCTURE SCHEDULE					
STRUCT. NO.	STATION	OFFSET	TYPE	TOP ELEV.	REMARKS
I-13	2+11 (LP)	-	A-5	374.00 *	HOWARD CO. DETAIL SD 4.01
S-5	SEE PLAN	SEE PLAN	STD. SEE SECTION	SEE PROFILE	HOWARD CO. DETAIL SD 5.51
M-3	SEE PLAN	SEE PLAN	STD. MANHOLE	369.90	HOWARD CO. DETAIL SD 5.12

* ELEVATION SHOWN IS GIVEN AT THE FACE OF CURB CENTER OF INLET TOP TO BE SLOPED TO MATCH ROAD GRADE



DEPARTMENT OF PUBLIC WORKS
 CHIEF, BUREAU OF ENGINEERING *[Signature]* 7-25-86 DATE

DEPARTMENT OF PLANNING AND ZONING
 CHIEF DIV. OF LAND DEVEL. AND ZONING ADM. *[Signature]* 7-22-86 DATE

Date	No.	Revision Description

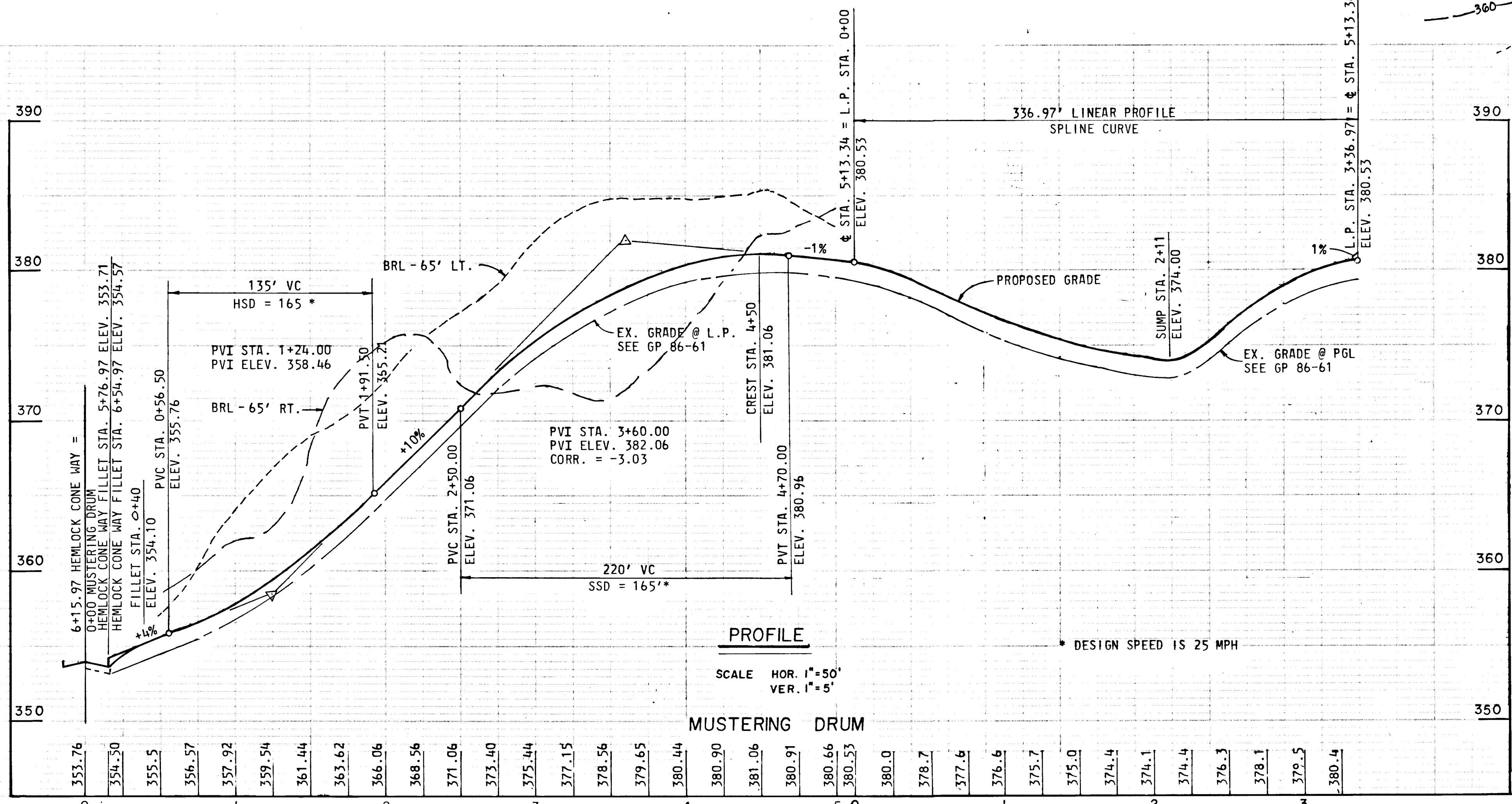
OWNER AND DEVELOPER
 COLUMBIA INDUSTRIAL DEVELOPMENT CORPORATION
 C/O
 THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION
 THE ROUSE COMPANY
 10275 Little Patuxent Parkway
 Columbia, Maryland 21044

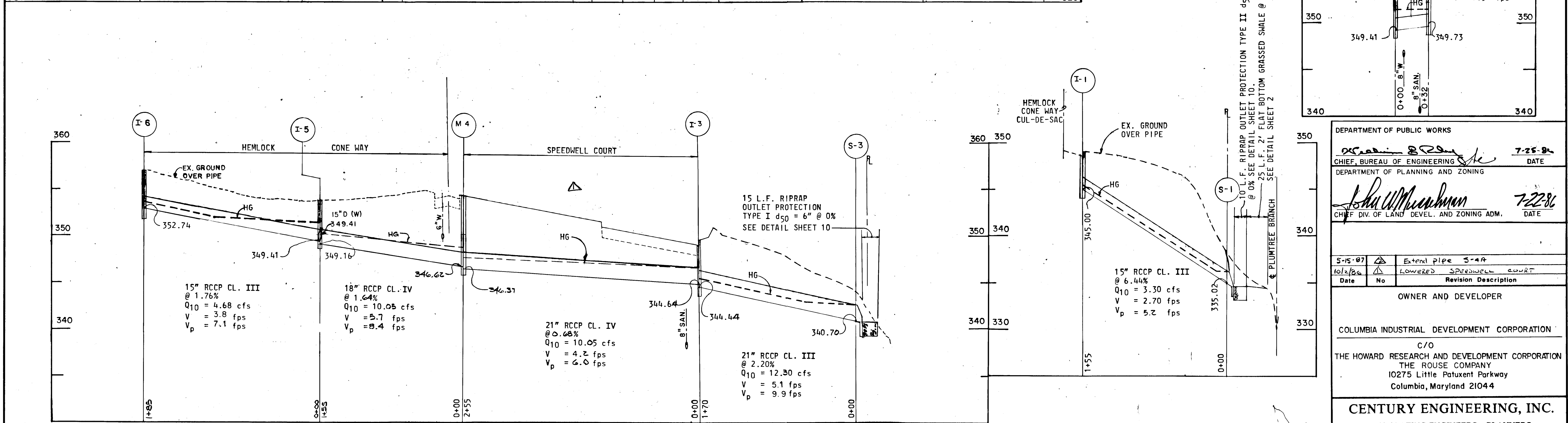
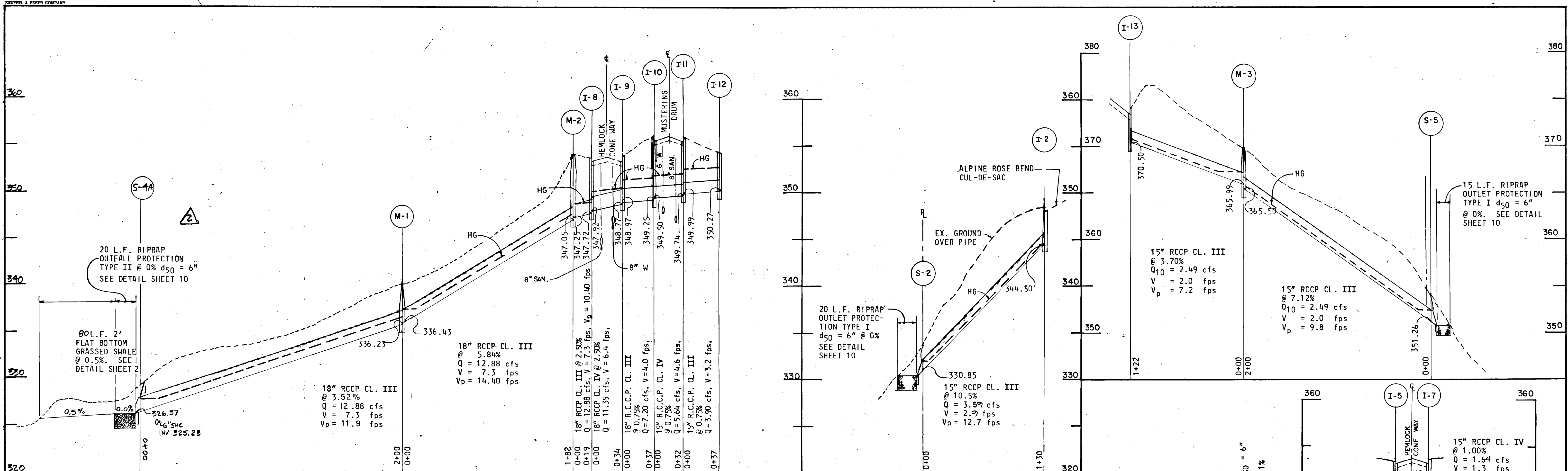
CENTURY ENGINEERING, INC.
 CONSULTING ENGINEERS - PLANNERS
 TOWSON, MARYLAND 21204

AREA DORSEY HALL
 SECTION 2-Area 2 TAX MAP 30-PART OF PARCEL 12
 2nd ELECTION DISTRICT OF HOWARD COUNTY, MD.

TITLE PLAN AND PROFILE
 MUSTERING DRUM

Des By	JRH	Scale	AS SHOWN	Proj No	85-0117
Drn By	FM	Date	4-25-86		PARCEL A
Chk By	JPK	Approved			





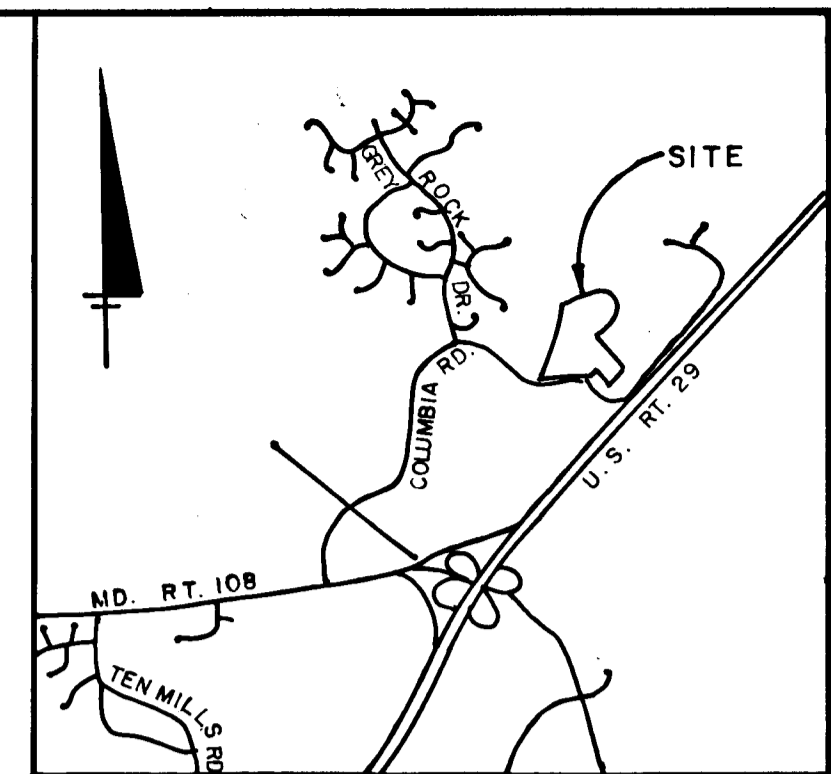
PROFILES
SCALE: VERT. 1"=5'
HOR. 1"=50'

4-30-86
Date

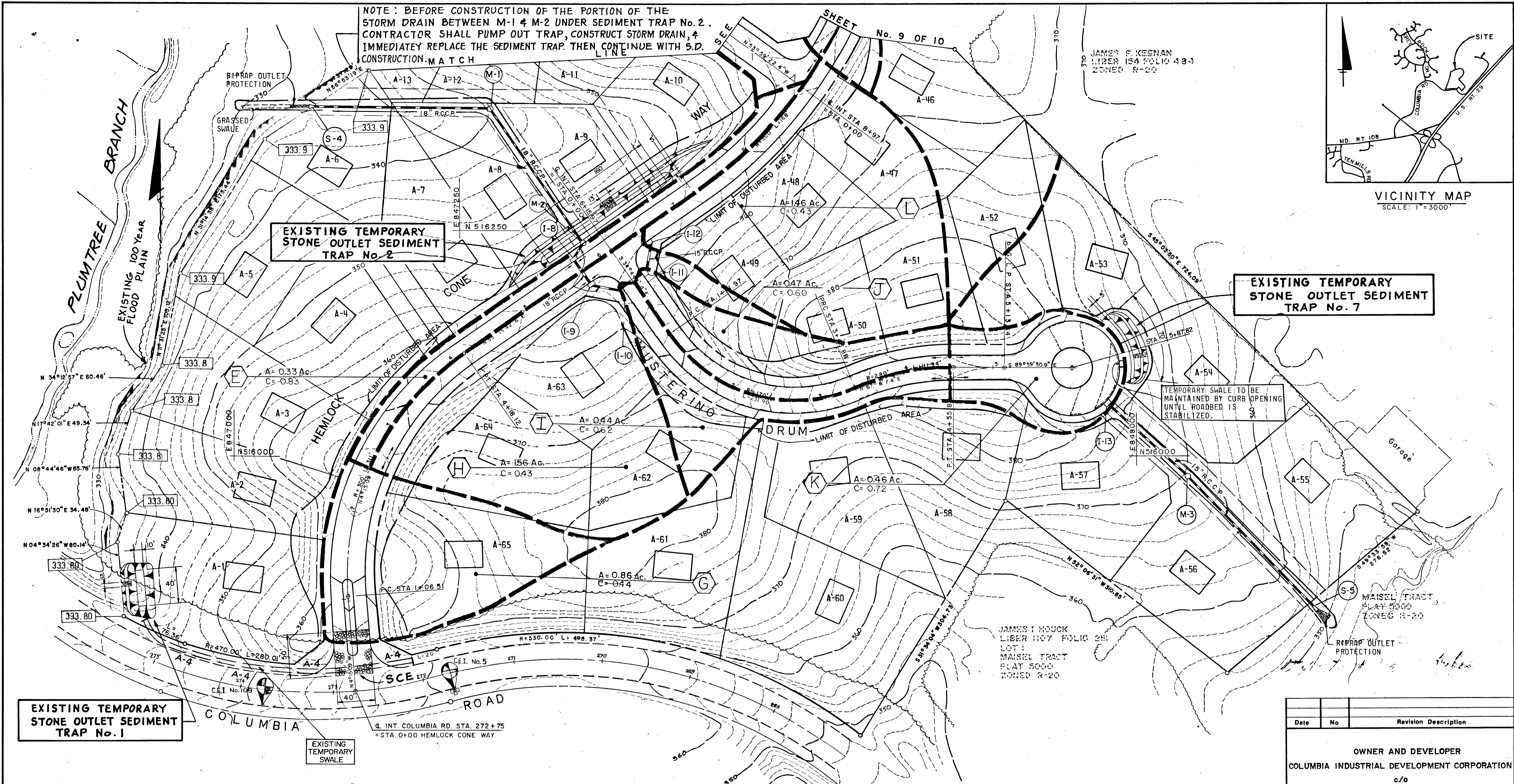
James P. Krangel
Professional Engr. No. 6906

DEPARTMENT OF PUBLIC WORKS		7-25-86
CHIEF, BUREAU OF ENGINEERING		DATE
DEPARTMENT OF PLANNING AND ZONING		
CHIEF DIV. OF LAND DEVEL. AND ZONING ADM.		7-22-86
		DATE
5-15-87	Extend pipe S-4A	
10/2/88	LOWERED SPEEDWELL COURT	
Date	No	Revision Description
OWNER AND DEVELOPER		
COLUMBIA INDUSTRIAL DEVELOPMENT CORPORATION		
C/O		
THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION		
THE ROUSE COMPANY		
10275 Little Patuxent Parkway		
Columbia, Maryland 21044		
CENTURY ENGINEERING, INC.		
CONSULTING ENGINEERS • PLANNERS		
32 WEST ROAD		
TOWSON, MARYLAND 21204		
AREA DORSEY HALL 'A'		
SECTION 2 AREA 2 TAX MAP 30 PART OF PARCEL 12		
2nd ELECTION DISTRICT OF HOWARD COUNTY, M.D.		
TITLE		
STORM DRAIN PROFILES		
Des By	Scale AS SHOWN	Proj No 85-0117
Drn By	Date 4-25-86	Drawing No. 7 OF 10
Chk By	JPK	Approved

NOTE: BEFORE CONSTRUCTION OF THE PORTION OF THE STORM DRAIN BETWEEN M-1 & M-2 UNDER SEDIMENT TRAP No. 2, CONTRACTOR SHALL PUMP OUT TRAP, CONSTRUCT STORM DRAIN, & IMMEDIATELY REPLACE THE SEDIMENT TRAP. THEN CONTINUE WITH S.D. CONSTRUCTION MATCH LINE



VICINITY MAP
SCALE: 1" = 3000'



EXISTING TEMPORARY STONE OUTLET SEDIMENT TRAP No. 1

EXISTING TEMPORARY STONE OUTLET SEDIMENT TRAP No. 2

EXISTING TEMPORARY STONE OUTLET SEDIMENT TRAP No. 7

TRAP No.	OUTLET LENGTH	TRAP DEPTH	FLOW DEPTH	WEIR ELEV.	DRAINAGE AREA	DISTURBED AREA	BOTTOM DIMENSION	VOL. REQD. REQD. PROV.	BOTTOM ELEV.	CLEANOUT ELEV.	EMBANKMT ELEV.
S.O.S.T. No. 2	13'-0"	4'-0"	N/A	352.0	3.22 Ac.	2.01 Ac.	160' x 5'	5790 c.f. 5904 c.f.	357.0	359.0	353.0
S.O.S.T. No. 1	5'-0"	4'-0"	N/A	334.0	1.26 Ac.	0.40 Ac.	40' x 10'	2268 c.f. 2464 c.f.	329.0	331.0	335.0
S.O.S.T. No. 7	5'-0"	2'-0"	N/A	375.0	0.53 Ac.	0.53 Ac.	70' x 5'	954 c.f. 1008 c.f.	372.0	373.0	376.0

DEPARTMENT OF PUBLIC WORKS
[Signature]
 CHIEF, BUREAU OF ENGINEERING
 DATE: 7-22-86

DEPARTMENT OF PLANNING AND ZONING
[Signature]
 CHIEF, DIV. OF LAND DEVL. & ZONING ADM.
 DATE: 7-22-86

BY THE ENGINEER:
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
[Signature]
 SIGNATURE OF ENGINEER
 JAMES P. KRAWCZYK
 DATE: 4-30-86

BY THE DEVELOPER:
 "I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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."
[Signature]
 SIGNATURE OF DEVELOPER
 DATE: 4-30-86

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
[Signature]
 HOWARD S.C.D.
 DATE: 7-21-86

REVIEWED FOR _____ NAME _____ S.C.D.
 AND MEETS TECHNICAL REQUIREMENTS.
[Signature]
 U.S. SOIL CONSERVATION SERVICE
 DATE: 7-21-86

4/30/86
 Date
[Professional Seal]
 Professional Engr. No. 6906

Date	No.	Revision Description

OWNER AND DEVELOPER
 COLUMBIA INDUSTRIAL DEVELOPMENT CORPORATION
 c/o
 THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION
 THE ROUSE COMPANY
 10275 Little Patuxet Parkway
 Columbia, Maryland 21044

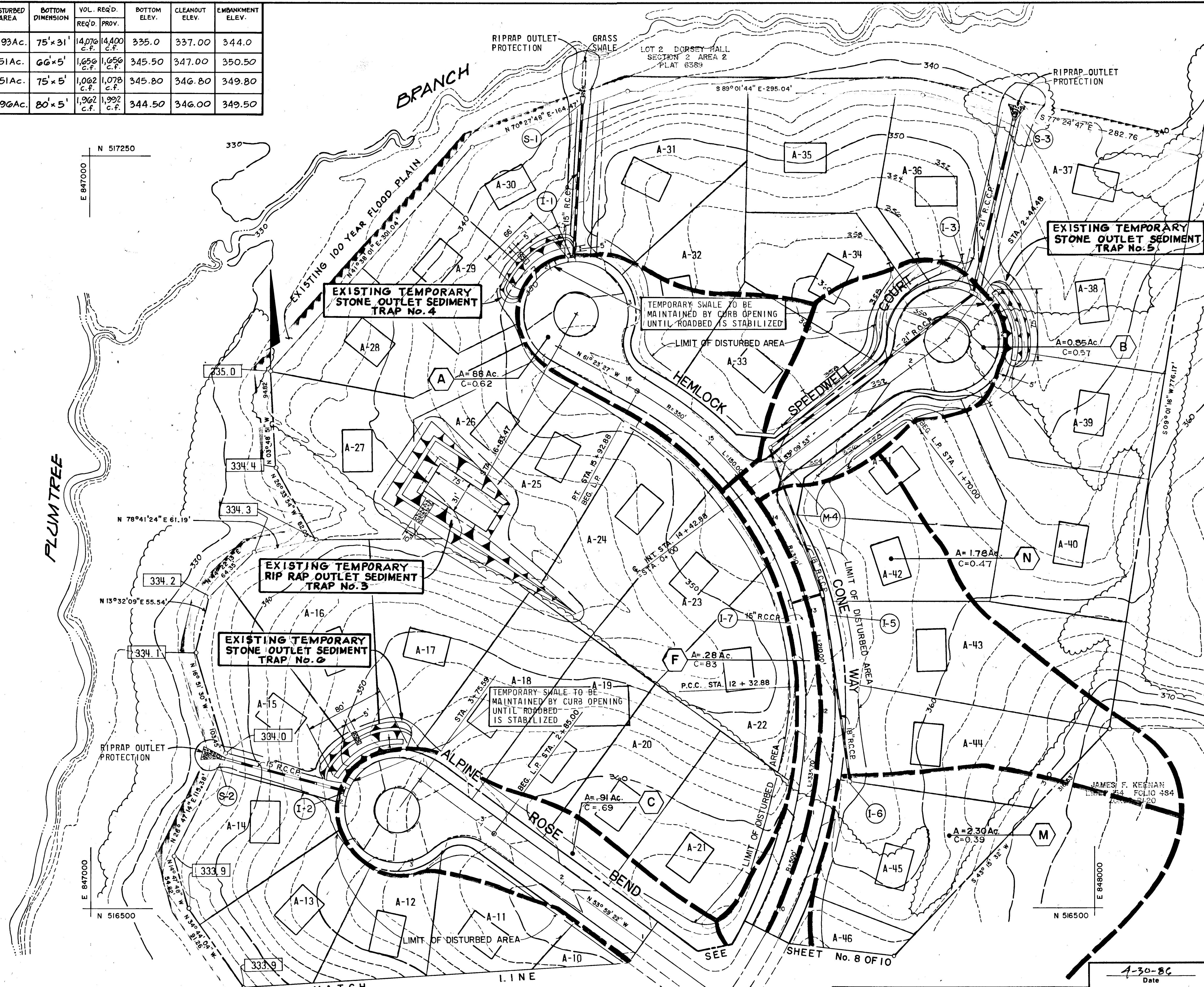
CENTURY ENGINEERING, INC.
 CONSULTING ENGINEERS - PLANNERS
 TOWSON, MARYLAND 21204

AREA: DORSEY HALL 'A'
 SECTION 2 AREA 2 TAX MAP 30-PART OF PARCEL I2
 2nd ELECTION DISTRICT OF HOWARD COUNTY, MD.

TITLE: DRAINAGE AREA AND SEDIMENT CONTROL PLAN

Des By G.B.Z. Scale 1" = 50' Proj No 85-0117
 Drn By R.F. Date 4-25-86 Drawing No. 8 OF 10
 Chk By J.R.H. Approved

TRAP No.	OUTLET LENGTH	TRAP DEPTH	FLOW DEPTH	WEIR ELEV.	DRAINAGE AREA	DISTURBED AREA	BOTTOM DIMENSION	VOL. REQ'D. REQ'D. PROV.	BOTTOM ELEV.	CLEANOUT ELEV.	EMBANKMENT ELEV.
R.O.S.T. No. 3	10.0'	4.0'	2.0'	340.0	7.82 Ac.	0.93 Ac.	75' x 31'	14,076 c.f. 14,400 c.f.	335.0	337.00	344.0
S.O.S.T. No. 4	5.0'	3.0'	N/A	350.0	0.92 Ac.	0.51 Ac.	66' x 5'	1,656 c.f. 1,656 c.f.	345.50	347.00	350.50
S.O.S.T. No. 5	5.0'	2.0'	N/A	347.8	0.59 Ac.	0.51 Ac.	75' x 5'	1,062 c.f. 1,078 c.f.	345.80	346.80	349.80
S.O.S.T. No. 6	5.0'	3.0'	N/A	348.5	1.09 Ac.	0.96 Ac.	80' x 5'	1,962 c.f. 1,992 c.f.	344.50	346.00	349.50



BY THE DEVELOPER:
 "I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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."

James P. Kranczyk 4-30-86
 SIGNATURE OF DEVELOPER DATE

BY THE ENGINEER:
 I 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."

James P. Kranczyk 4/30/86
 SIGNATURE OF ENGINEER DATE
 JAMES P. KRANCZYK

REVIEWED FOR *Howard* S.C.D. NAME
 AND MEETS TECHNICAL REQUIREMENTS.

U.S. SOIL CONSERVATION SERVICE *Halm* DATE 7-21-86
 U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

Stephen R. Huber 7/21/86
 HOWARD S.C.D. DATE

Date	No.	Revision Description
10/1/86	Δ	REVISED DRAINAGE AREA, I-4 TO M-4

OWNER AND DEVELOPER
 COLUMBIA INDUSTRIAL DEVELOPMENT CORPORATION
 C/O
 THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION
 THE ROUSE COMPANY
 10275 Little Patuxent Parkway
 Columbia, Maryland 21044

CENTURY ENGINEERING, INC.
 CONSULTING ENGINEERS - PLANNERS
 TOWSON, MARYLAND 21204

AREA DORSEY HALL 'A'
 SECTION 2 AREA 2 TAX MAP 30-PART OF PARCEL 12
 2nd ELECTION DISTRICT OF HOWARD COUNTY, MD.

TITLE DRAINAGE AREA AND SEDIMENT CONTROL PLAN

Des By G.B.Z.	Scale 1"=50'	Proj No 85-0117
Drn By J.B.D.	Date 4-25-86	Drawing No. 9 OF 10
Chk By J.R.H.	Approved	

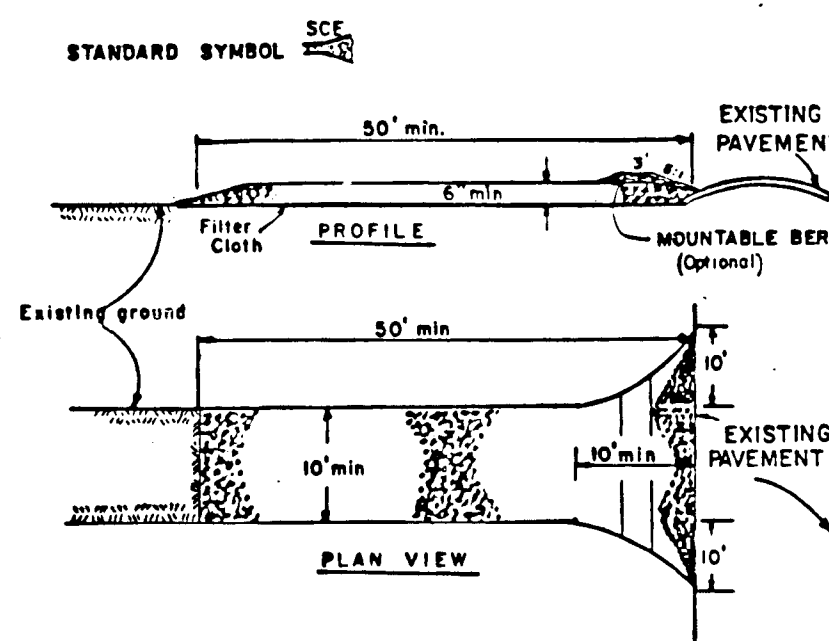
DEPARTMENT OF PUBLIC WORKS
James P. Kranczyk 7-25-86
 CHIEF, BUREAU OF ENGINEERING DATE

DEPARTMENT OF PLANNING & ZONING
John M. Marchman 7-22-86
 CHIEF, DIV. OF LAND DEVEL. & ZONING ADM. DATE

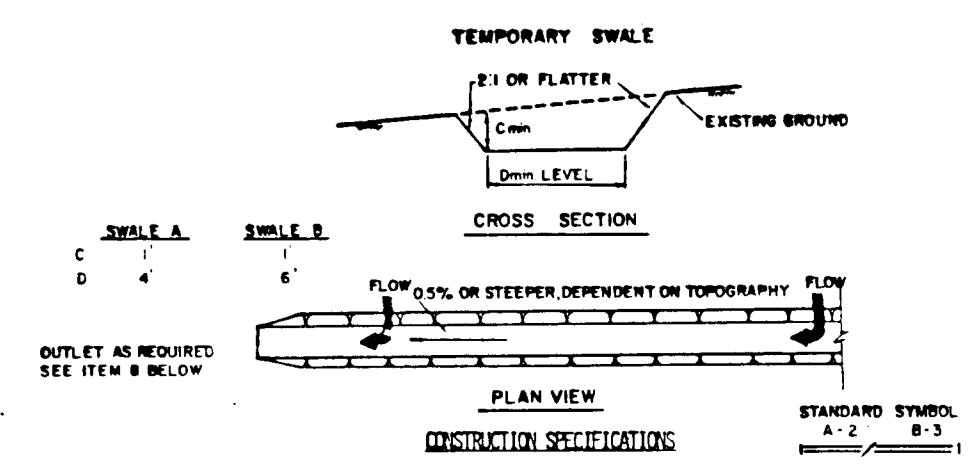
4-30-86
 Date

 Professional Engr. No. 6906

STABILIZED CONSTRUCTION ENTRANCE
not to scale

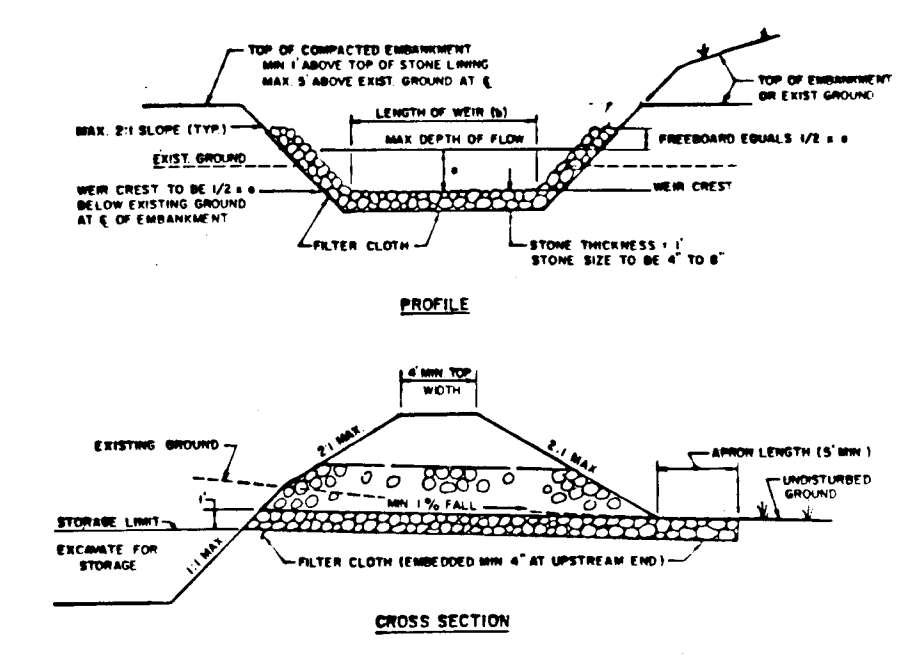


- CONSTRUCTION SPECIFICATIONS**
- Stone Size - Use 2" stone, or reclaimed or recycled concrete equivalent.
 - Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
 - Thickness - Not less than six (6) inches.
 - Width - Ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs.
 - Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
 - Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with six (6) inches will be permitted.
 - Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and regular and/or cleanings of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.
 - Washing - Wheels shall be cleaned or tracked sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
 - Periodic inspection and needed maintenance shall be provided after each rain.



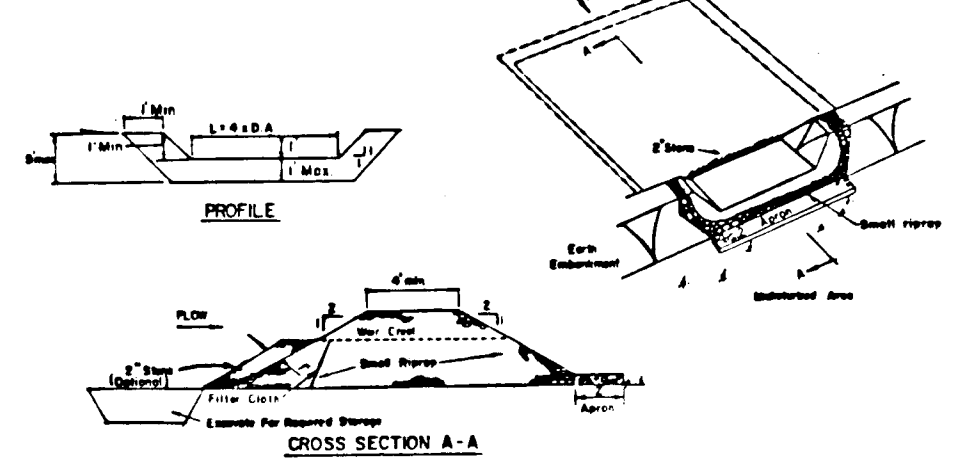
- All temporary swales shall have uninterrupted positive grade to an outlet.
 - Diverted runoff from a disturbed area shall be conveyed to a sediment trapping device.
 - Diverted runoff from an undisturbed area shall outlet directly into an undisturbed stabilized area at non-excessive velocity.
 - All trees, brush, stumps, obstructions, and other objectionable material shall be removed and disposed of so as not to interfere with the proper functioning of the swale.
 - The swale shall be excavated or shaped to line, grade, and cross section as required to meet the criteria specified herein and be free of bank projections or other irregularities which will impede normal flow.
 - Fills shall be compacted by earth moving equipment.
 - All earth removed and not needed in construction shall be placed so that it will not interfere with the functioning of the swale.
 - Stabilization shall be as per the chart below:
- | TYPE OF DISTURBANCE | CHANNEL | DUNE A | DUNE B |
|---------------------|----------|----------------------------------|------------------------------|
| 1 | 0.5-3.0% | SEED AND STRAW MULCH | SEED AND STRAW MULCH |
| 2 | 3.1-5.0% | SEED AND STRAW MULCH | SEED USING JUTE OR EXCELSTON |
| 3 | 5.1-8.0% | SEED WITH JUTE OR EXCELSTON, SO2 | LINED RIP-RAP 4-8" |
| 4 | 8.1-20% | LINED RIP-RAP 4-8" | ENGINEERED DESIGN |

RIP RAP OUTLET SEDIMENT TRAP ST-VI



- All dikes shall be compacted by earth-moving equipment.
 - All dikes shall have positive drainage to an outlet. Top width may be wider and side slopes may be flatter if designed to facilitate passing by construction traffic.
 - Field location should be adjusted as needed to utilize a stabilized safe outlet. Safe outlets shall have an outlet that functions with a minimum of erosion. Rip-rap shall be conveyed to a sediment trapping device such as a sediment trap or sediment basin where either the dike channel, or the drainage area above the dike are not adequately stabilized.
 - Stabilization shall be: (A) in accordance with standard specifications for seed and straw mulch or straw mulch if not in seeding season; (B) flow channel as per the chart below.
- | TYPE OF DISTURBANCE | CHANNEL | DUNE A | DUNE B |
|---------------------|----------|----------------------------------|--|
| 1 | 0.5-3.0% | SEED AND STRAW MULCH | SEED AND STRAW MULCH |
| 2 | 3.1-5.0% | SEED AND STRAW MULCH | SEED USING JUTE, OR EXCELSTON, SO2, 4" STONE |
| 3 | 5.1-8.0% | SEED WITH JUTE, OR SO2, 2" STONE | LINED RIP-RAP 4-8" |
| 4 | 8.1-20% | LINED RIP-RAP 4-8" | ENGINEERING DESIGN |

STONE OUTLET SEDIMENT TRAP V



- Area under sediment trap shall be cleared, grubbed and stripped of any vegetation and root mat. The soil area shall be cleared.
- The fill material for the sediment trap shall be free of roots and other woody vegetation as well as oversized stones, rocks, organic material or other objectionable material. The sediment trap shall be constructed by spreading with equipment while it is being constructed.
- All cut and fill slopes shall be 3:1 or flatter.
- The stone used in the outlet shall be small rip-rap 4-8" along with a 1" thickness of 2" rip-rap placed on the upgrade side on the small rip-rap 2" embedded filter cloth in the rip-rap.
- The stone used in the outlet shall be small rip-rap 4-8" along with a 1" thickness of 2" rip-rap placed on the upgrade side on the small rip-rap 2" embedded filter cloth in the rip-rap.
- The structure shall be inspected after each rain and repairs made as needed.
- Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
- The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.

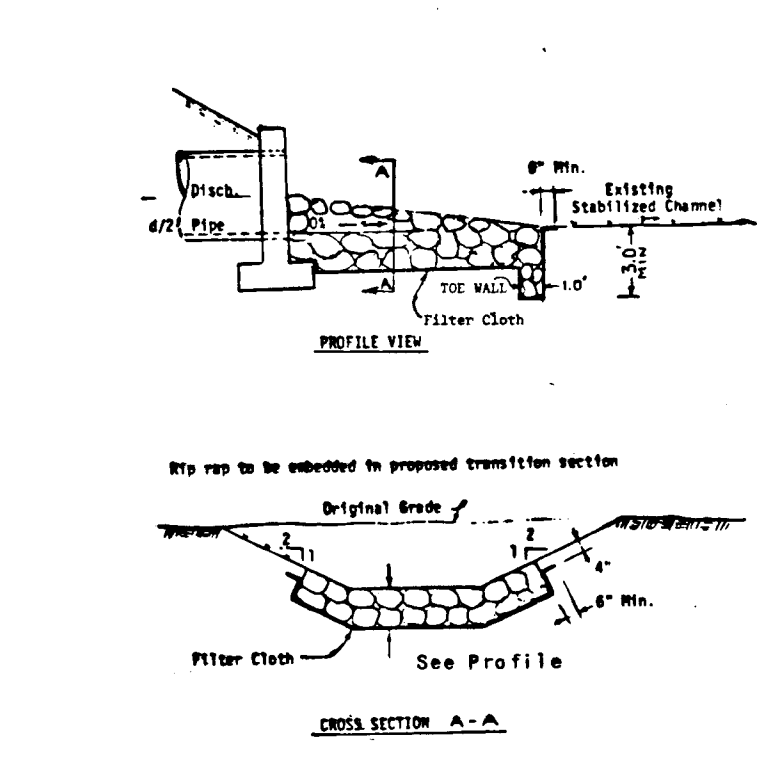
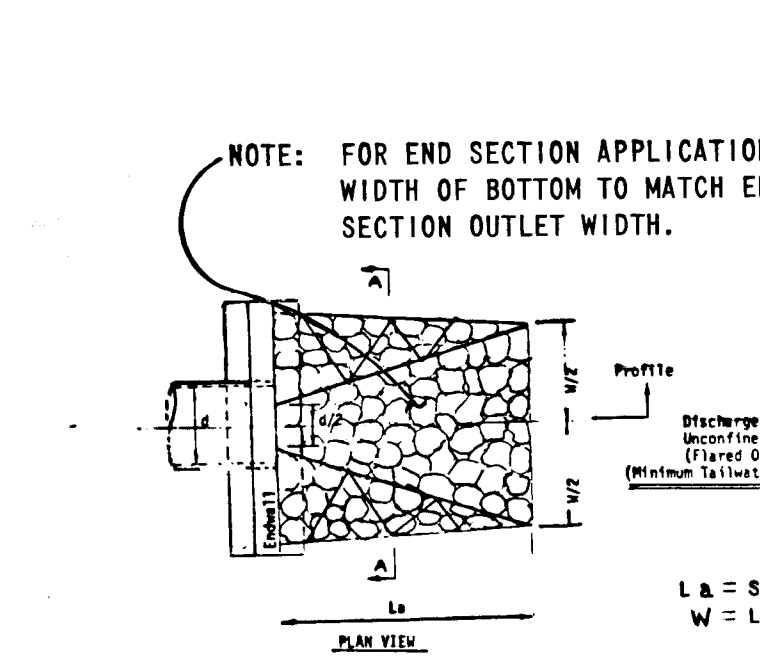
SEDIMENT CONTROL NOTES

- A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (892-2437)
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- Following initial soil disturbance or redistribution, 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.
- 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.
- 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) and (Sec. 54), temporary seedings (Sec. 50) and Mulching (Sec. 52.) Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
- All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
- Site Analysis:**
Total Area of Site: 22.32 Acres
Area Disturbed: 2.88 Acres
Area to be reseeded or paved: 2.66 Acres
Area to be vegetatively stabilized: 0.22 Acres
Total Cur: N/A Cu. Yds.
Total Fill: N/A Cu. Yds.
Offset Waste/Borrow Area: N/A N/A
- Any sediment control practice which is disturbed by grading activity for placement of materials shall be repaired on the same day of disturbance.

SEQUENCE OF CONSTRUCTION

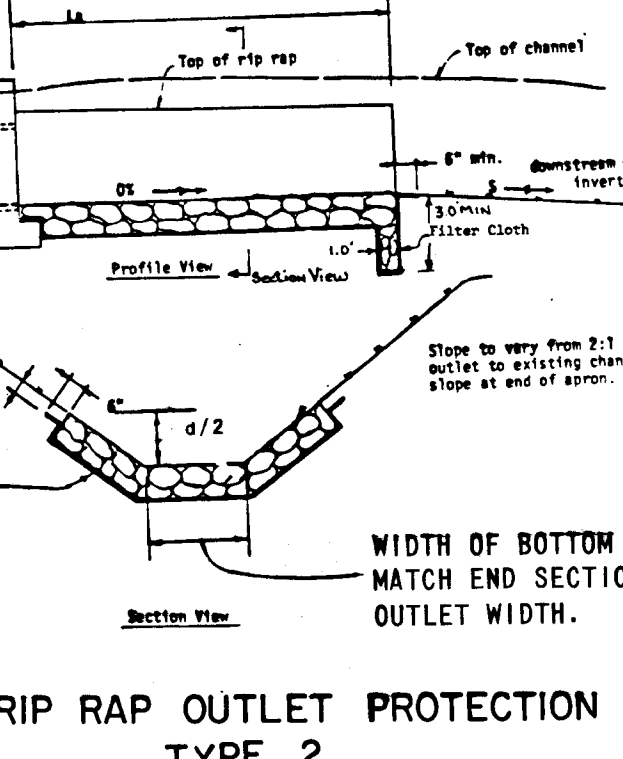
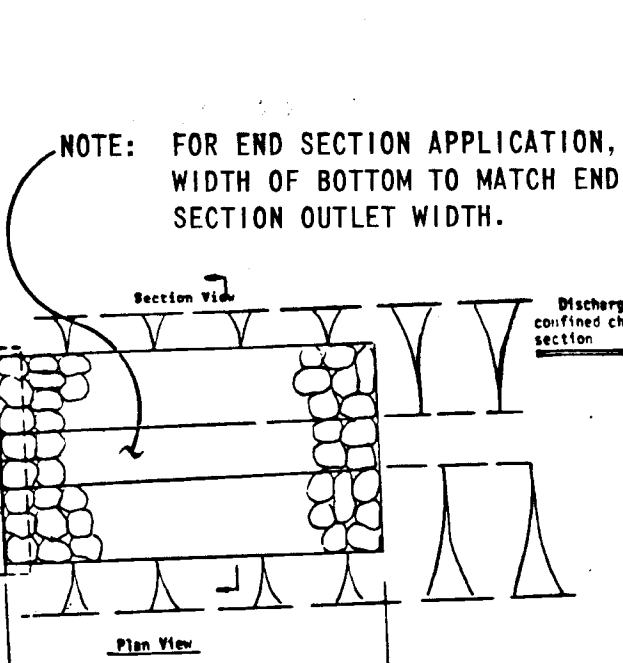
- OBTAIN GRADING PERMIT.
- NOTIFY THE DPM SEDIMENT CONTROL INSPECTOR FOR HOWARD COUNTY 48 HOURS PRIOR TO THE START OF ANY CONSTRUCTION.
- REFER TO APPROVED GP 86-61, FOR SEDIMENT CONTROL DEVICES THAT ARE TO BE MAINTAINED DURING CONSTRUCTION OF THIS CONTRACT.
- FOR PROPOSED IMPROVEMENTS ALONG HEMLOCK CONE WAY, MUSTERING DRUM, ALPINE ROSE BEND, AND SPEEDWELL CT.:
A. PRIOR TO BEGINNING WORK, EXISTING SEDIMENT DEVICES SHOULD BE INSPECTED. PERIMETER CONTROLS, TRAPS, SWALES, SILT FENCES AND EARTH DIKES INDICATED TO BE INSTALLED UNDER CONTRACT OF 86-61 FOR PARCEL 'A' SHALL BE IN PLACE. MODIFICATIONS TO EXISTING DEVICES AND THE INSTALLATION OF NEW DEVICES, SHALL BE PERFORMED AS SHOWN ON SHEETS 8-9 OR AS DIRECTED BY THE SEDIMENT CONTROL INSPECTOR.
B. INSTALL PROPOSED STORM DRAINAGE. PROTECT PROPOSED INLETS AND PIPES FROM RECEIVING STORMWATER UNTIL ALL DISTURBED AREAS ARE STABILIZED.
C. PERFORM GRADING OPERATIONS AND STABILIZE ALL DISTURBED AREAS NOT TO BE PAVED.
D. CONSTRUCT CURB AND GUTTER AND PAVE ROADS.
E. STABILIZE ALL INACTIVE BUT DISTURBED OR FINISHED GRADED AREAS WITHIN 14 DAYS. CONTRACTOR SHALL STABILIZE SUCH AREAS IN ACCORDANCE WITH THE TEMPORARY OR PERMANENT SEEDING NOTES AS APPROPRIATE.
- UPON STABILIZATION OF ALL DISTURBED AREAS AND AUTHORIZATION BY THE SEDIMENT CONTROL INSPECTOR, REMOVE REMAINING SEDIMENT CONTROL DEVICES.

STABILIZED CONSTRUCTION ENTRANCE DETAIL



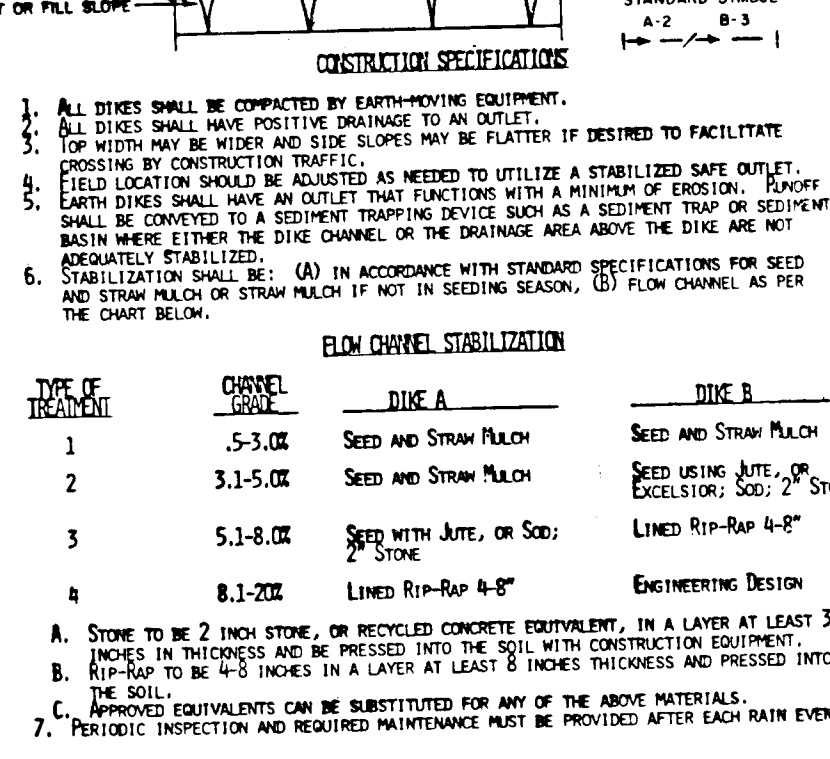
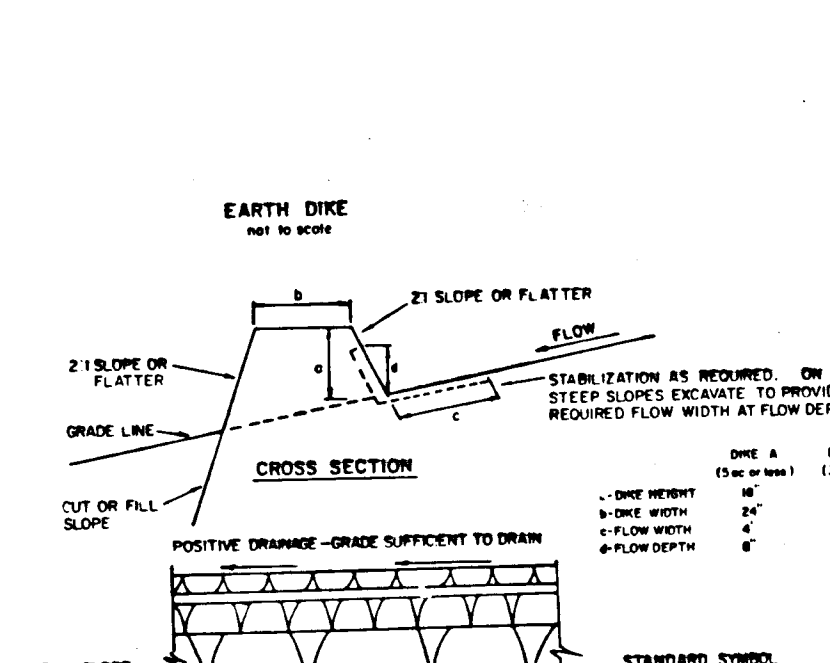
RIP RAP OUTLET PROTECTION TYPE 1

TEMPORARY SWALE DETAIL



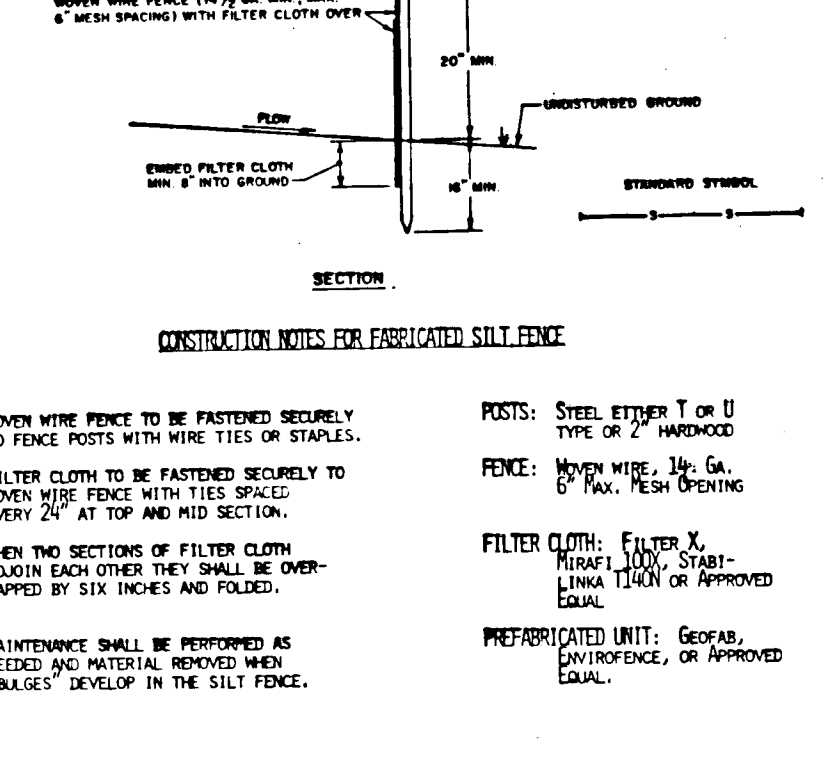
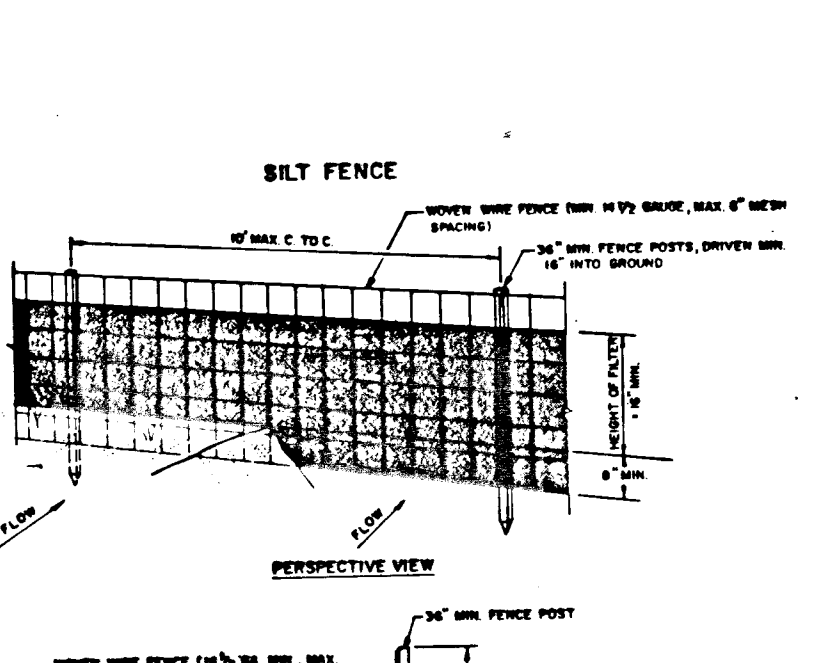
RIP RAP OUTLET PROTECTION TYPE 2

RIP RAP OUTLET SEDIMENT TRAP DETAIL



EARTH DIKE DETAIL

STONE OUTLET SEDIMENT TRAP DETAIL



SILT FENCE DETAIL

SEDIMENT CONTROL NOTES

TEMPORARY SEEDING

- Apply to graded or cleared areas likely to be redistributed where a short-term vegetative cover is needed.
- Seedbed Preparation:** Loosen upper three inches of soil by raking, disking or other acceptable means before seeding.
- Soil Amendments:** Apply 600 lbs. per acre 10-10-10 Fertilizer (14 lbs./1000 sq ft.)
- Seeding:** For periods March 1 thru April 30 and from August 15 thru November 15, seed with 75 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 weeding clovergrass (.07 lbs/1000 sq ft.). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.
- Mulching:** Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 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.

PERMANENT SEEDING

- Apply to graded or cleared areas 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, disking or other acceptable means before seeding.
- Soil Amendments:** In lieu of soil test recommendations, use one of the following schedules:
- Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 square ft) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Barrow 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).
 - 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. Barrow or disc into upper three inches of soil.
- Seeding -** For the periods March 1 thru April 30, and August 15 thru October 15, seed with 60 lbs per acre (1.4 lbs/1000 sq ft) of Kentucky 31 Tall fescue. For the period May 1 thru July 31, seed with 60 lbs Kentucky 31 Tall fescue per acre and 2 lbs per acre (.05 lbs/1000 sq ft) of weeding clovergrass. During the period of October 16 thru February 28, protect site by: Option (1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) use sod. Option (3) Seed with 60 lbs/acre Kentucky 31 Tall fescue and mulch with 2 tons/acre well anchored straw.
- Mulching -** Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 ft. or higher, use 348 gals. per acre (8 gal/1000 sq ft) for anchoring.
- Maintenance -** Inspect all seeded areas and make needed repairs, replacements and re-seedings.

By the Developer:
"I/We certify that all development and construction will be done according to this plan, 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."
James P. Kravczyk 4-30-86
Signature of Developer Date

By the Engineer:
I 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.
James P. Kravczyk 4/30/86
Signature of Engineer Date

Reviewed for *Howard* S.C.D. Name and meets Technical Requirements.
J. Helms 7-21-86
U.S. Soil Conservation Service Date

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
Stephen R. Fuler 4/30/86
Howard S.C.D. Date

Date	No	Revision Description

OWNER AND DEVELOPER
COLUMBIA INDUSTRIAL DEVELOPMENT CORPORATION
C/O
THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION
THE ROUSE COMPANY
10275 Little Patuxent Parkway
Columbia, Maryland 21044

CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS - PLANNERS
32 WEST ROAD
TOWSON, MARYLAND 21204

AREA DORSEY HALL
SECTION 2-AREA 2 TAX MAP 30-PART OF PARCEL 12
2nd ELECTION DISTRICT OF HOWARD COUNTY, MD.

TITLE EROSION & SEDIMENT CONTROL DETAILS
DORSEY HALL - PARCEL 'A'

Des By (S.D.Z.) Scale: NO SCALE Proj No 85-0117
Dwn By G.B.Z. Date 4-25-86 Drawing No.
Chk By J.P.K. Approved 10 OF 10

DEPARTMENT OF PUBLIC WORKS
William B. Perry 7-25-86
CHIEF, BUREAU OF ENGINEERING DATE

DEPARTMENT OF PLANNING & ZONING
William B. Perry 7-25-86
CHIEF, DIV. OF LAND DEVEL. & ZONING ADM. DATE

