

COLUMBIA

HOWARD COUNTY, MARYLAND

5th ELECTION DISTRICT

CONSTRUCTION PLANS

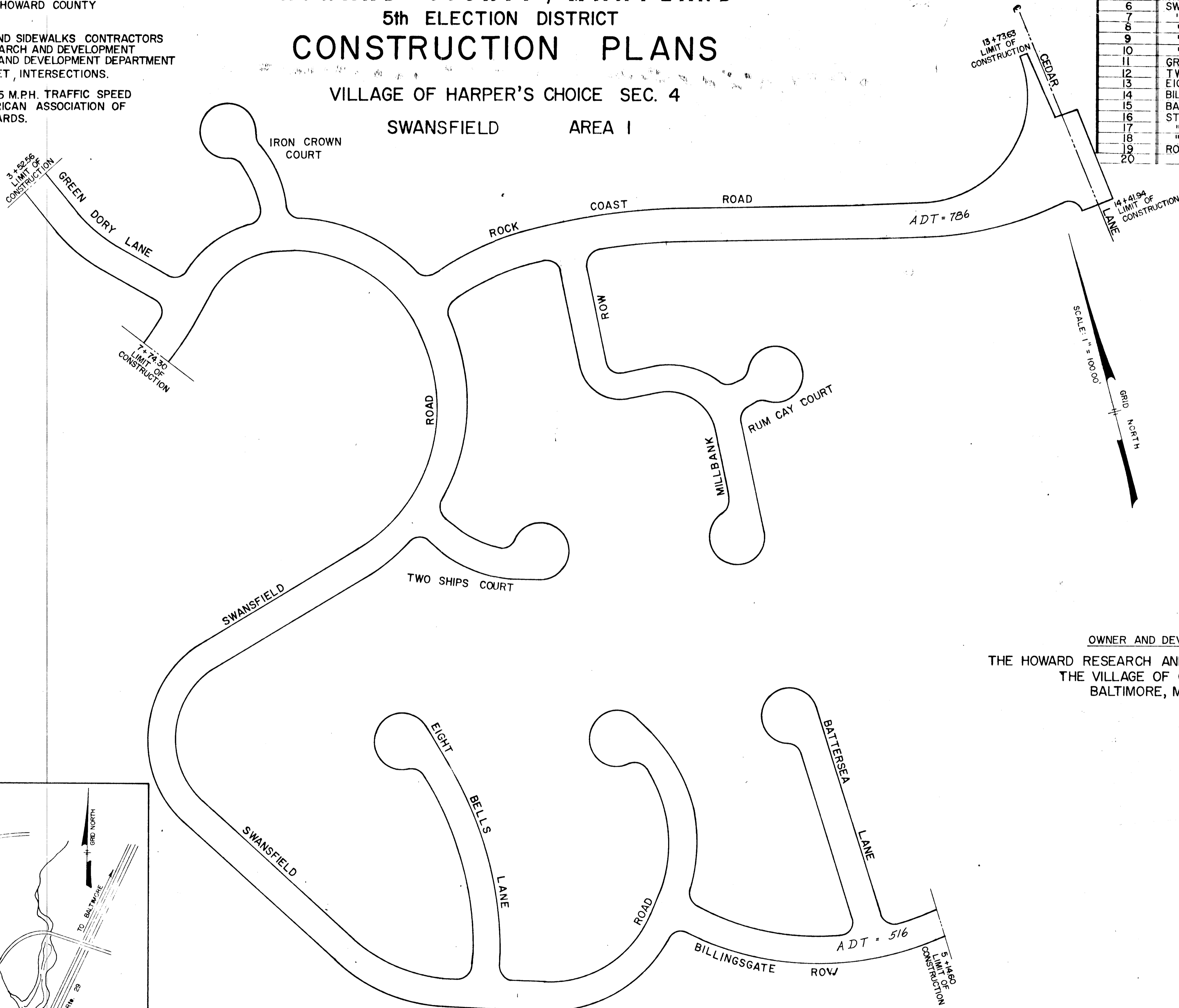
VILLAGE OF HARPER'S CHOICE SEC. 4

SWANSFIELD AREA I

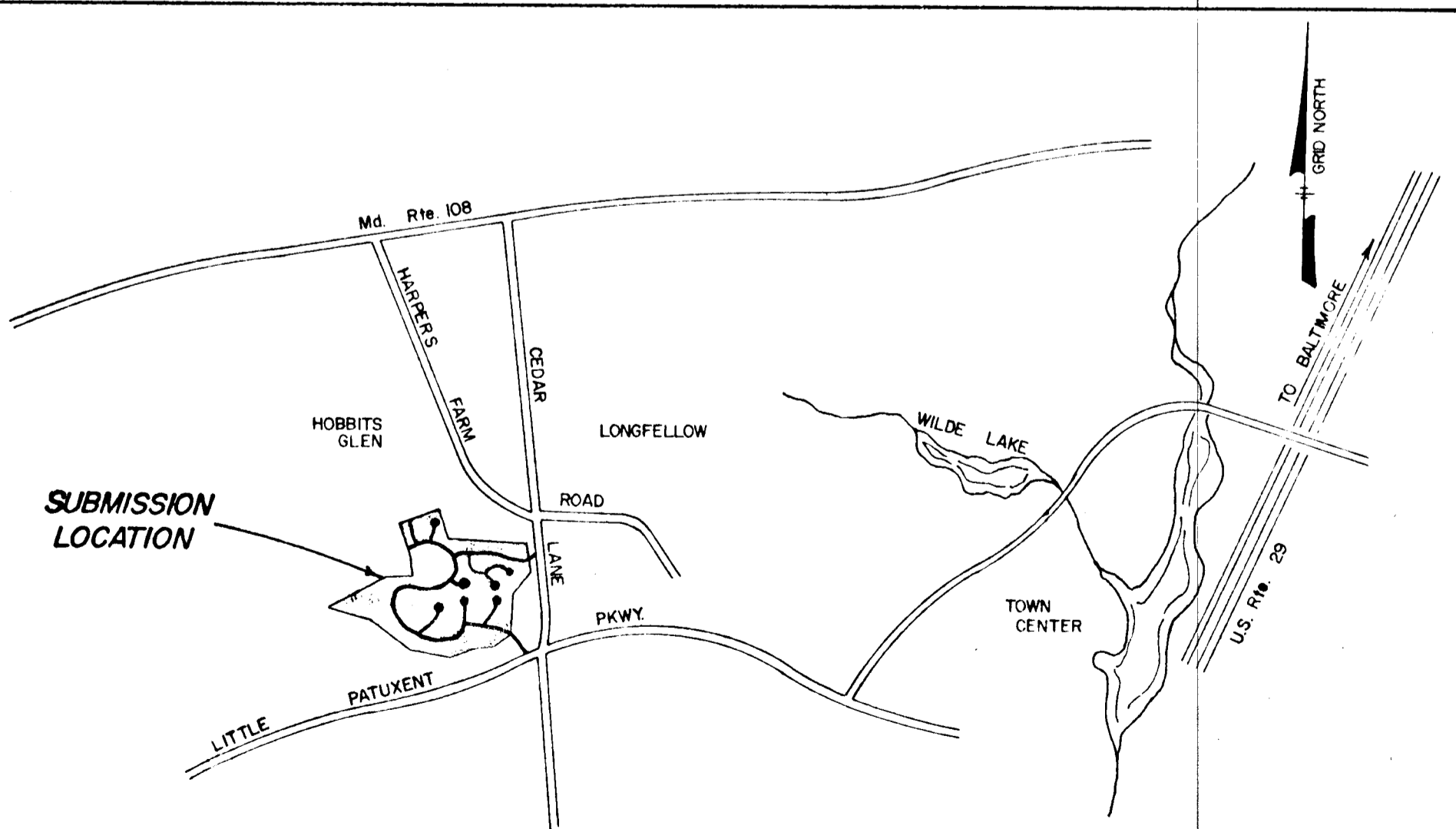
NOTES:

1. ALL DETAILS ARE FROM "ROAD CONSTRUCTION CODE AND STANDARD SPECIFICATIONS" ISSUED OR APPROVED BY THE COUNTY COMMISSIONERS AND THE HOWARD COUNTY ROAD DEPARTMENT.
2. BEFORE CONSTRUCTING CURBS AND SIDEWALKS CONTRACTORS SHALL NOTIFY THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION, ENGINEERING AND LAND DEVELOPMENT DEPARTMENT FOR LOCATIONS OF FUTURE STREET INTERSECTIONS.
3. ALL ROADS ARE DESIGNED FOR 25 M.P.H. TRAFFIC SPEED IN ACCORDANCE WITH THE AMERICAN ASSOCIATION OF STATE HIGHWAY OFFICIAL STANDARDS.

SHEET INDEX	
SHEET No.	DESCRIPTION
1	COVER SHEET
1A	DRAINAGE AREA PLAN & PROFILE SHEETS
2	ROCK COAST ROAD 9+31 - 16+58
3	" " " 6+58 - 12+49
4	" " " 6+58 - 13+91
5	MILLBANK ROW & RUM CAY COURT
6	SWANSFIELD ROAD 7+74 - 9+50
7	" " 9+50 - 14+50 & IRON CROWN CT.
8	" " " 14+50 - 22+63
9	" " " 22+63 - 33+33
10	" " " 33+33 - 39+83
11	GREEN DORY LANE
12	TWO SHIPS COURT
13	EIGHT BELLS LANE
14	BILLINGSGATE ROW
15	BATTERSEA LANE
16	STORM DRAINAGE PROFILES
17	" " " "
18	" " " "
19	ROADWAY DETAILS
20	" " " "



OWNER AND DEVELOPER
 THE HOWARD RESEARCH AND DEVELOPMENT CORP.
 THE VILLAGE OF CROSS KEYS
 BALTIMORE, MARYLAND

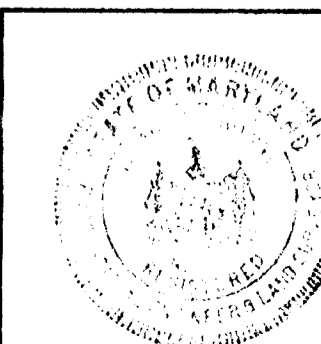


KEY MAP
 SCALE: 1" = 2000'

APPROVED HOWARD COUNTY PLANNING COMM.
J. A. [Signature] 10-18-68
 CHIEF ENGINEER DATE
 APPROVED HOWARD COUNTY ROADS DEPT.
[Signature] 10-18-68
 ROADS SUPERINTENDENT DATE
 APPROVED HOWARD COUNTY METROPOLITAN COMM.
W. O. [Signature] 10-18-68
 CHIEF ENGINEER DATE

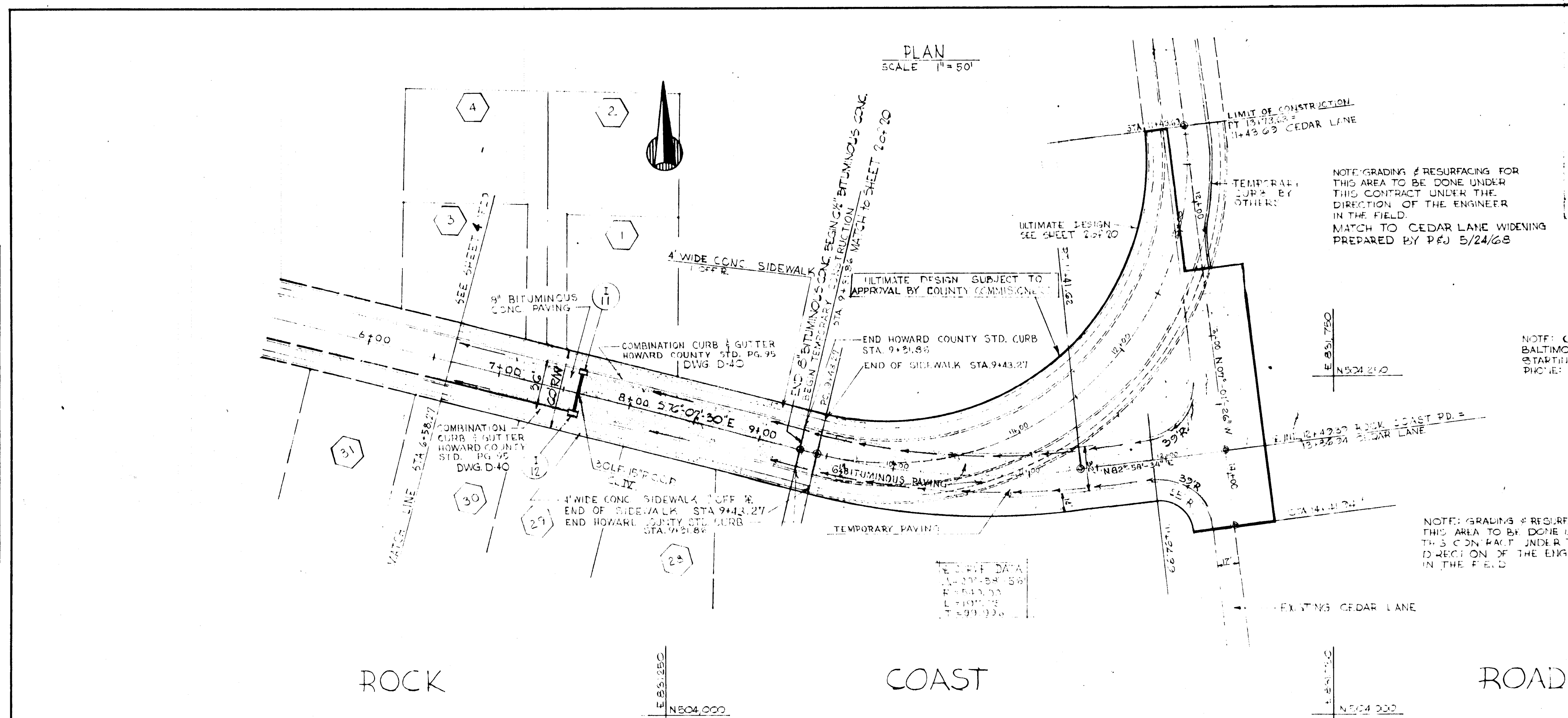
BROWNE-PANDULLO & ASSOCIATES
 ENGINEERS
 COLUMBIA, MARYLAND

Richard [Signature]



DATE	
BY	
NO.	
PLAN	
SURVIVED	
NOTE BOOK	
ALIGNMENT CHECKED	
RT. OF WAY CHECKED	

DATE	
BY	
NO.	
PROFILE	
SURVIVED	
NOTE BOOK	
GRADES CHECKED	
B. M. NOTED	
STRUCTURE NOTATIONS CHECKED	



NO.	TYPE	LOCATION	INV. IN	INV. OUT	T.C.P. ELEV.	REMARKS
1-11	Man Type 15" x 24" Inlet (SINGLE GRATE)	Sta 9+30-14.17 R.H.	452.10	456.75		See Detail Sheet 1
1-12	Man Type 15" Comb Inlet (DOUBLE GRATE)	Sta 7+60-14.17 R.H.	452.50	456.25	456.75	HOWARD CO. Old Dwg. D 77 - Plan 54

NOTE: CONTRACTOR TO NOTIFY THE BALTIMORE GAS & ELECTRIC CO AT LEAST 48 HRS. BEFORE STARTING CONSTRUCTION IN THIS AREA. PHONE: 532-3000 EX. 1221

APPROVED
 PLANNING COMMISSION
 OF HOWARD COUNTY
 DATE: OCT 18 1968
J. D. [Signature]

BROWNE-PANDULLO & ASSOCIATES
 ENGINEERS
 COLUMBIA, MARYLAND

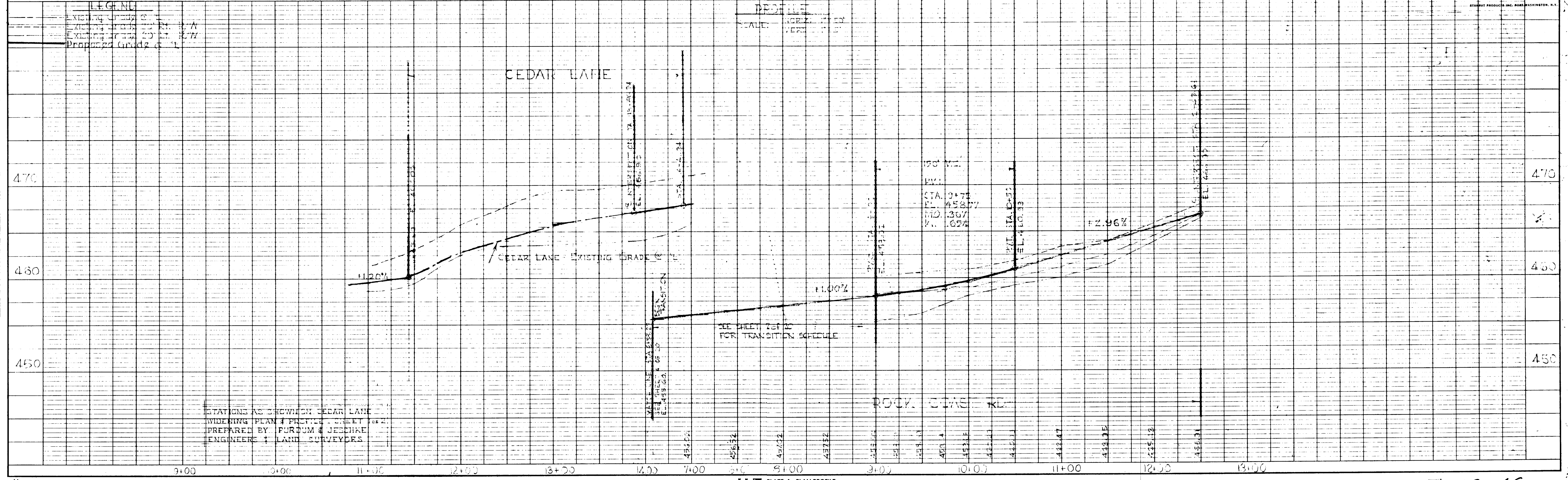
Rev Date Rev No Revision Description

COLUMBIA
 MARYLAND
 5TH ELECTION DISTRICT HOWARD COUNTY
 OWNER AND DEVELOPER
HOWARD RESEARCH AND DEVELOPMENT CORP.
 THE VILLAGE OF CROSS KEYS - BALTIMORE, MARYLAND 21210

PROJECT AREA
 THE VILLAGE OF HITCHER'S CHOICE SEC. 4
 SWANFIELD AREA I

PROJECT TITLE
ROCK COAST ROAD
 PLAN & PROFILE

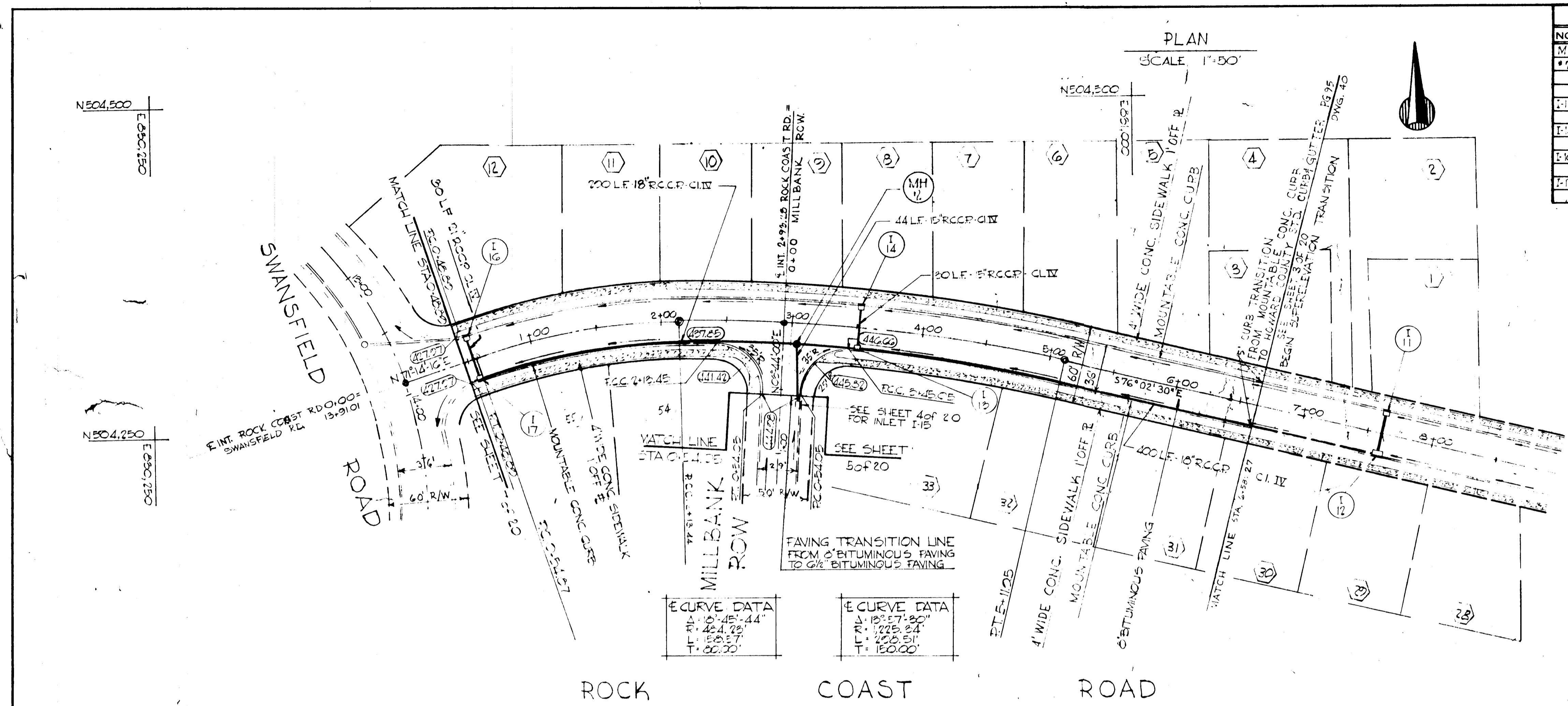
Des By: T.D. Scale: AS SHOWN Dwg. No: 3 OF 20
 Dm By: P.R. Date: JUNE 23, 1968 C.C.F. No:
 Chk By: J. D. Approved



STORM DRAINAGE STRUCTURE SCHEDULE						
NO.	TYPE	LOCATION	INV. IN	INV. OUT	T.C.P. ELEV.	REMARKS
MH-1	STD MANHOLE	Sta. 2+05	439.55	-	-	NO. CO. STD 02WG 103 Pg 158
I-13	Mod. Type 'B' Comb. Inlet (SINGLE GRATE)	Sta. 3+52 - 16.17 Rt. &	442.97	442.77	447.82	See Detail Sheet
I-14	Mod. Type 'B' Comb. Inlet (SINGLE GRATE)	Sta. 3+52 - 16.17 Lt. &		443.82	447.82	See Detail Sheet
I-16	Mod. Type 'B' Comb. Inlet (SINGLE GRATE)	Sta. 0+55 - 16.17 Lt. &	421.22	421.42	426.40	See Detail Sheet
I-17	Mod. Type 'B' Comb. Inlet (SINGLE GRATE)	Sta. 0+55 - 16.17 Rt. &	422.47	422.22	426.40	See Detail Sheet

PLAN
SURVEYED BY: []
NOTE BOOK NO. []
ALIGNMENT CHECKED BY: []
RT. OF WAY CHECKED BY: []

PROFILE
SURVEYED BY: []
NOTE BOOK NO. []
GRADES CHECKED BY: []
M.S. NOTED BY: []
STRUCTURE NOTATIONS CHECKED BY: []



APPROVED
PLANNING COMMISSION
DATE: OCT 18 1968
J. J. [Signature]

BROWNE-PANDULLO & ASSOCIATES
ENGINEERS
COLUMBIA, MARYLAND

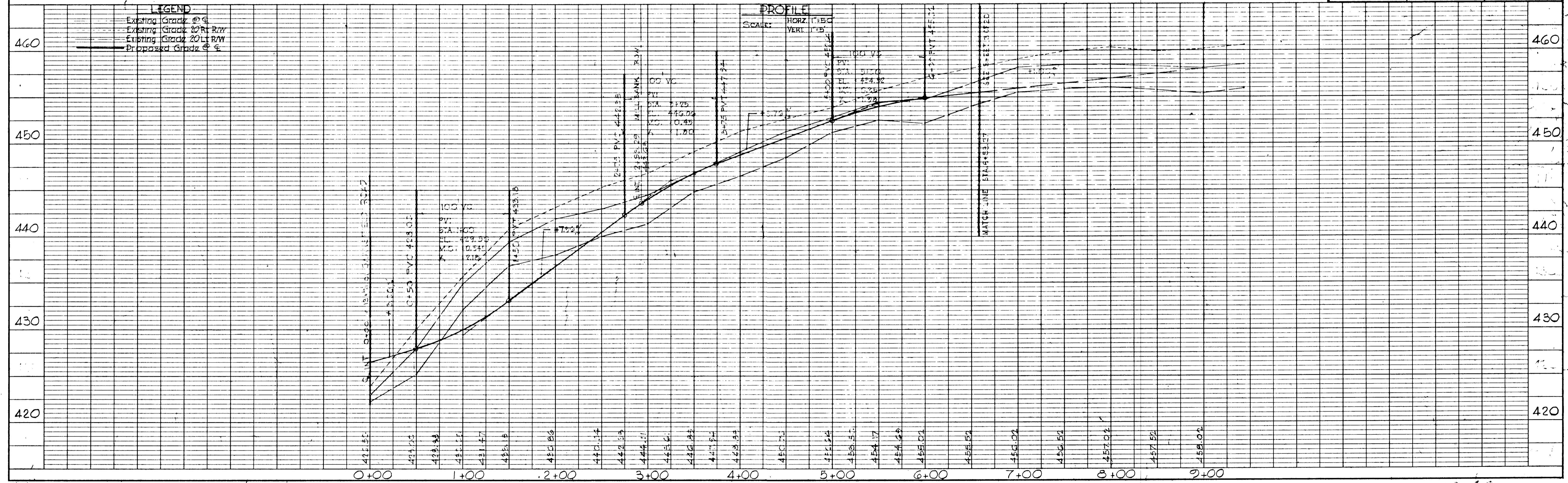
Rev Date: [] Rev No: [] Revision Description: []

COLUMBIA
Mth ELECTION DISTRICT - LEONARD COUNTY
OWNER AND DEVELOPER
HOWARD RESEARCH AND DEVELOPMENT CORP.
THE VILLAGE OF CROSS KEYS - BALTIMORE, MARYLAND 21210

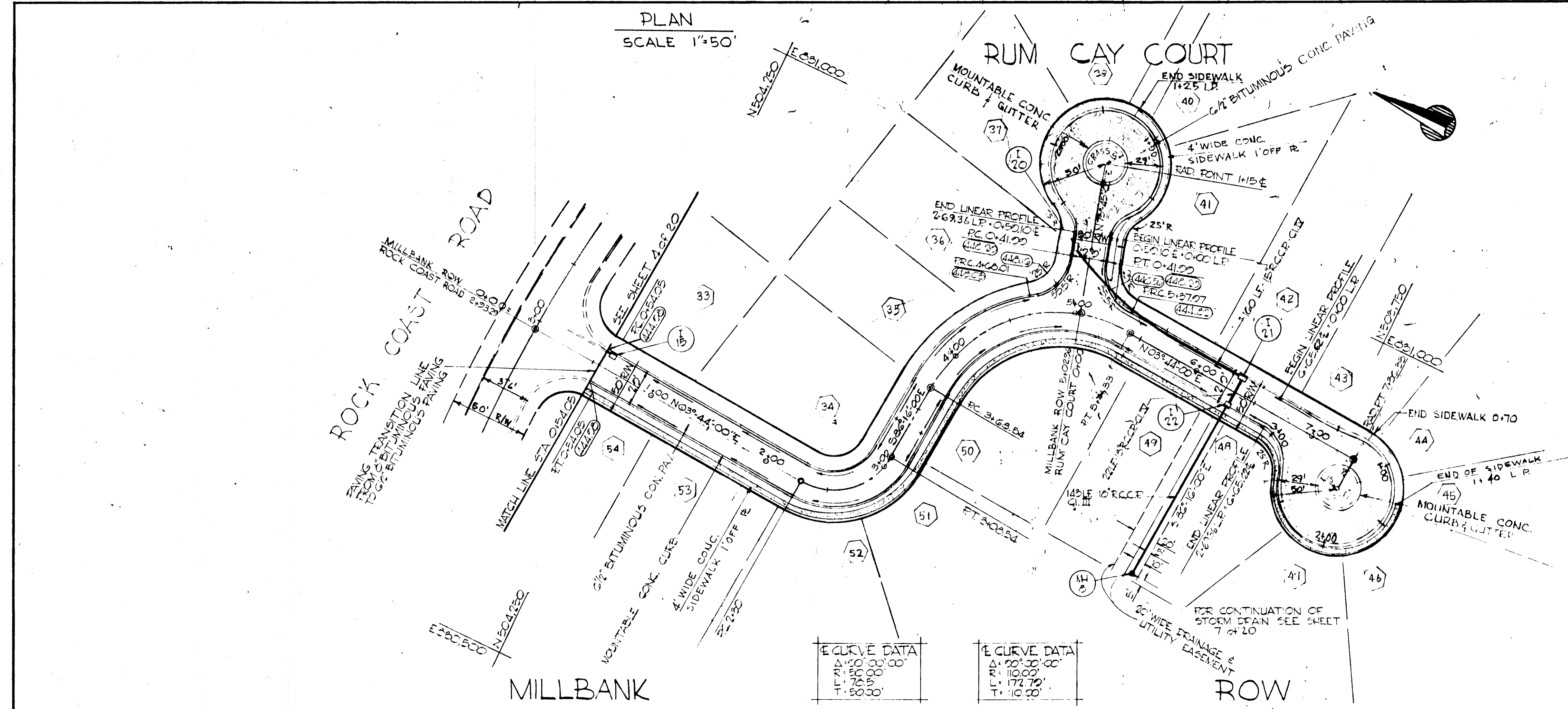
PROJECT AREA
VILLAGE OF HARPER'S CHOICE SEC. 4
SWANSFIELD AREA I

PROJECT TITLE
PLAN & PROFILE
ROCK COAST ROAD

Des By: T.S. Scale AS SHOWN Dwg. No. 4 of 20
Dwn By: F.T. & J.E. Date JUNE 29, 1968 C.C.F. No. []
Chk By: J.D. Approved



PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	RT. OF WAY CHECKED	
	NO.	



NO.	TYPE	LOCATION	INV. IN	INV. OUT	T.C.P. ELEV.	REMARKS
I-15	Std. Type 'S' Comb. Inlet (DOUBLE GRATE)	E Sta. 0+00 - 12.67' Lt. E	440.37	445.45	445.45	HOWARD Co. Std. Dwg. C-20 - Page 154
I-20	Std. Type 'S' Comb. Inlet (DOUBLE GRATE)	E Sta. 0+30 - 12.67' Lt. E	441.67	446.67	446.67	HOWARD Co. Std. Dwg. D-20 - Page 154
I-21	Std. Type 'S' Comb. Inlet (DOUBLE GRATE)	E Sta. 0+30 - 12.67' Lt. E	438.15	437.00	443.42	HOWARD Co. Std. Dwg. D-20 - Page 154
I-22	Mod. Type 'S' Comb. Inlet (DOUBLE GRATE)	E Sta. 0+30 - 12.67' Lt. E	437.46	437.00	442.42	See Detail Sheet
140	Std. MANHOLE	See Plan	437.68	437.48	437.00	HOWARD Co. Std. Dwg. D-105 - Page 150

BROWNE-PANDULLO & ASSOCIATES
ENGINEERS
COLUMBIA, MARYLAND

Rev Date Rev No Revision Description

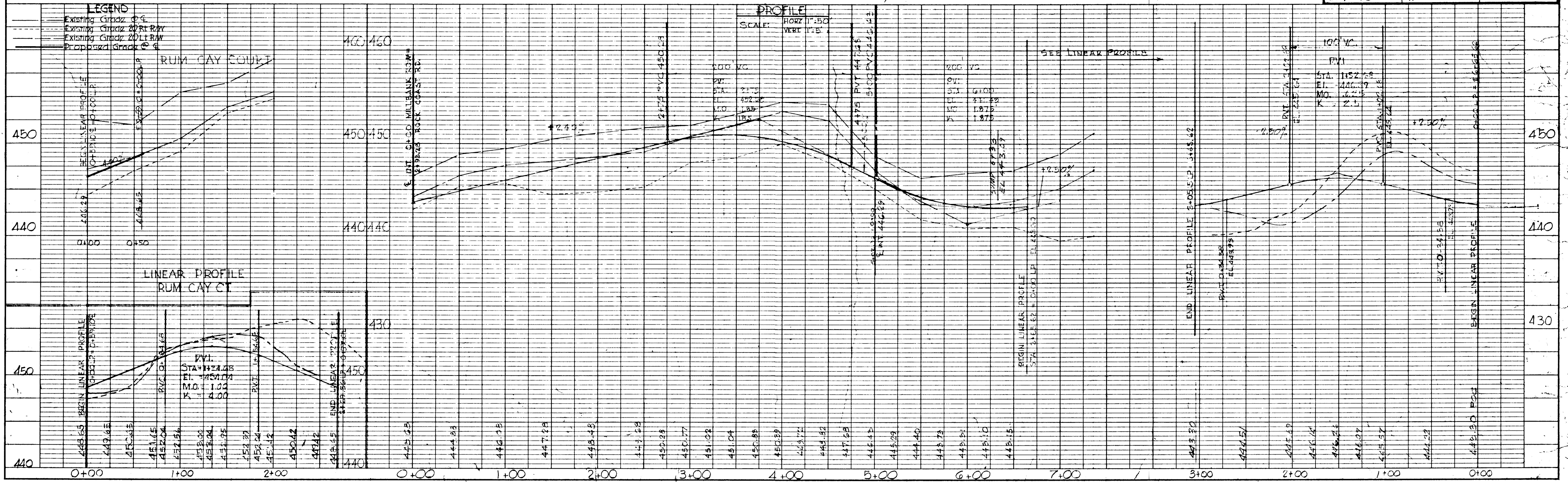
COLUMBIA
MARYLAND
5TH ELECTION DISTRICT - HOWARD COUNTY
OWNER AND DEVELOPER
HOWARD RESEARCH AND DEVELOPMENT CORP.
THE VILLAGE OF CROSS KEYS - BALTIMORE, MARYLAND 21210

PROJECT AREA
VILLAGE OF HARPER'S CHOICE SEC. 4
SWANSFIELD AREA 1

PROJECT TITLE
PLAN & PROFILE
MILLBANK ROW - RUM CAY COURT

Des By: TS Scale: AS SHOWN Dwg. No: B of 20
Dwn By: F.T. & J.E. Date: JUNE 28, 1968 C.C.F. No.
Chk By: J.D. Approved

APPROVED
PLANNING COMMISSION
DATE: OCT 13 1968

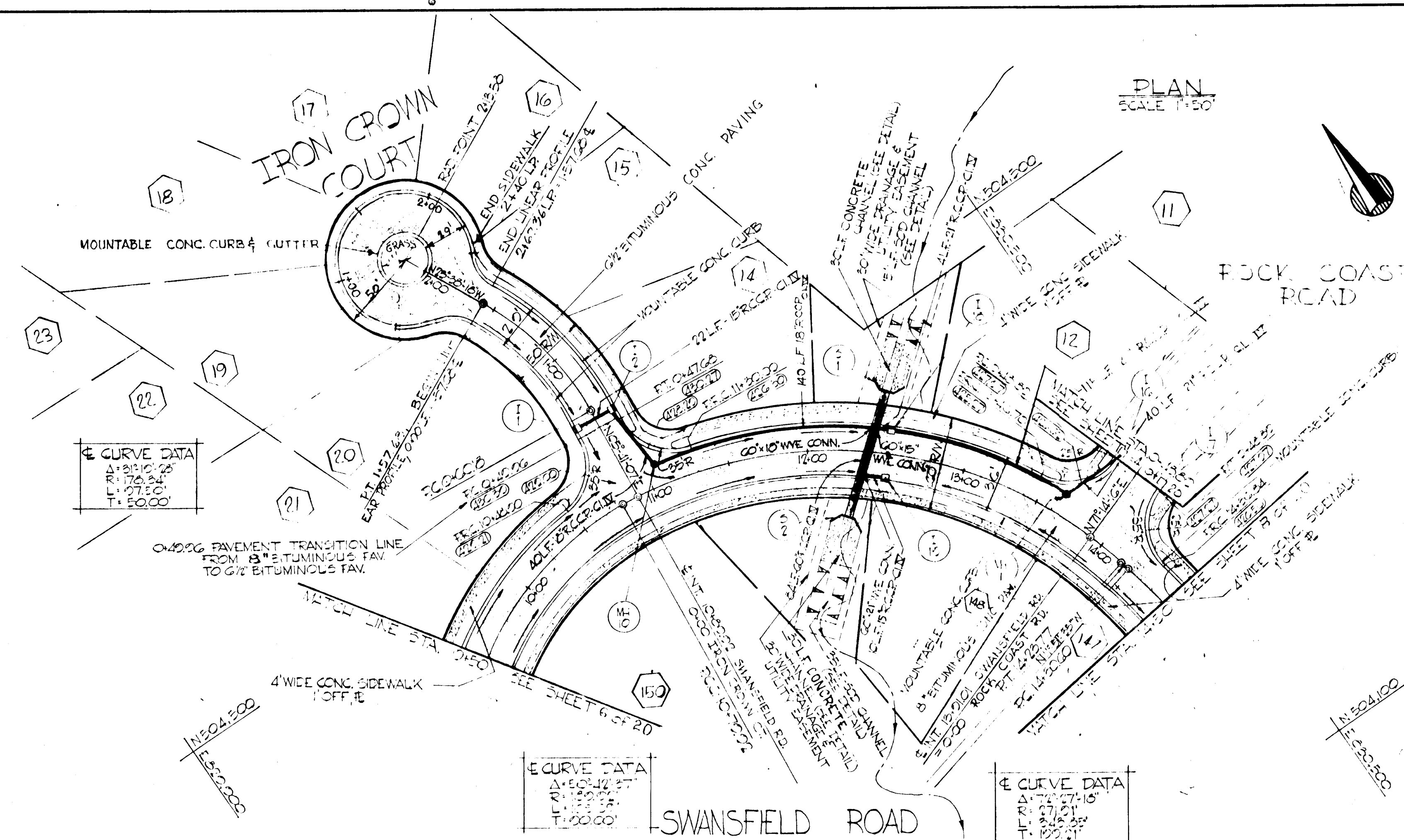


PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	

F-68-49

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

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



STORM DRAINAGE STRUCTURE SCHEDULE						
NO.	TYPE	LOCATION	INV. IN	INV. OUT	T.C.P. ELEV.	REMARKS
11	Mod. Comb. 5' Inlet (SINGLE GRATE)	E Sta. 0+50 - 12.27' L.R. E	422.24	421.04	421.04	SEE DETAIL SHEET
12	Mod. Comb. 5' Inlet (SINGLE GRATE)	E Sta. 0+50 - 12.67' R.T. E	422.20	420.00	421.02	SEE DETAIL SHEET
13	5" S.I. MANHOLE	E Sta. 11+00 - 16.7' L.R. E	422.60	422.22		Howard Co. Std. Dwg. D-102, Page 150
14	Mod. Comb. 5' Inlet (SINGLE GRATE)	E Sta. 12+51 - 16.7' L.R. E	416.37	416.77	422.01	SEE DETAIL SHEET
15	Mod. Comb. 5' Inlet (SINGLE GRATE)	E Sta. 2+51 - 16.7' R.T. E		416.37	422.01	SEE DETAIL SHEET
16	5" S.I. HEADWALL	E Sta. 2+75.50 - 35.00' L.R. E	416.00			Howard Co. Std. Dwg. D-102, Page 105
17	5" S.I. HEADWALL	E Sta. 12+26.14 - 26.52' R.T. E	414.25			Howard Co. Std. Dwg. D-102, Page 105
18	5" S.I. VAN-POLE	E Sta. 12+00 - 16.7' R.T. E	412.74	412.74		Howard Co. Std. Dwg. D-102, Page 150

APPROVED
 PLANNING COMMISSION
 HOWARD COUNTY
 DATE: OCT 18 1968
J. J. [Signature]

BROWNE-PANDULLO & ASSOCIATES
 ENGINEERS
 COLUMBIA, MARYLAND

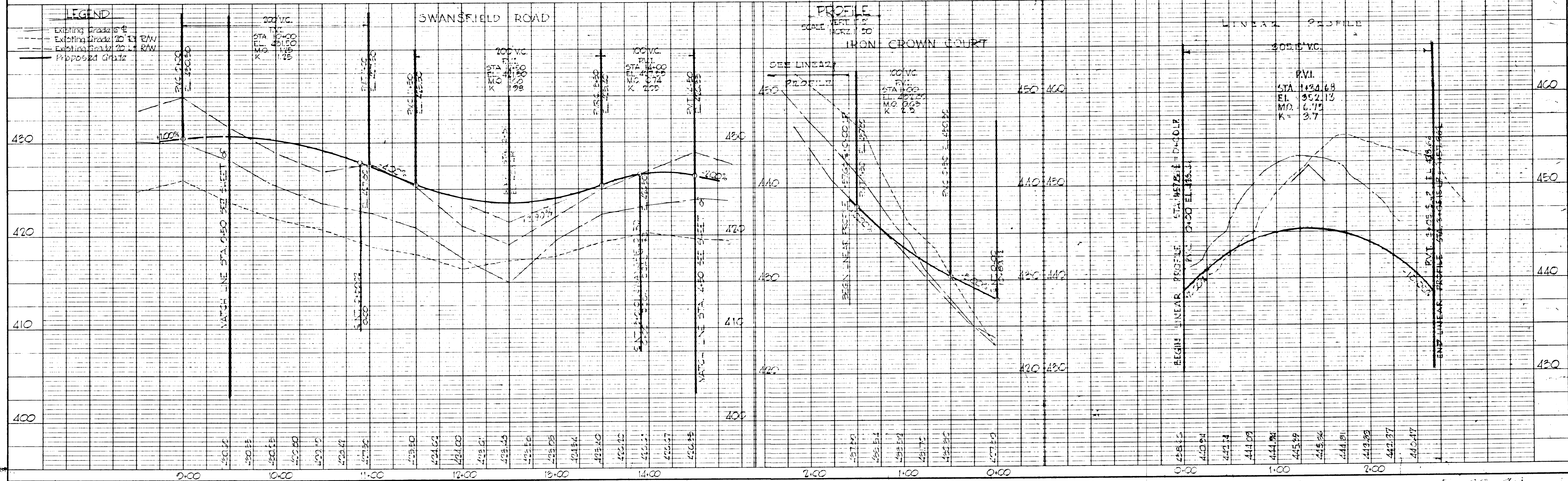
8/1/68 / 1
 Rev Date / Rev No / **REVISED MH 1 TO 1-18**
 Revision Description

COLUMBIA
 MARYLAND
 5TH ELECTION DISTRICT - HOWARD COUNTY
 OWNER AND DEVELOPER
HOWARD RESEARCH AND DEVELOPMENT CORP.
 THE VILLAGE OF CROSS KEYS - BALTIMORE, MARYLAND 21210

PROJECT AREA
VILLAGE OF HARPER'S CHOICE SEC 4 SWANSFIELD AREA I

PROJECT TITLE
SWANSFIELD ROAD & IRON CROWN COURT PLAN & PROFILE

Des By: T.S. Scale: AS SHOWN Dwg. No: 7 of 20
 Dwn By: F.T. Date: JUNE 18, 1968 C.C.F. No:
 Chk By: J.D. Approved

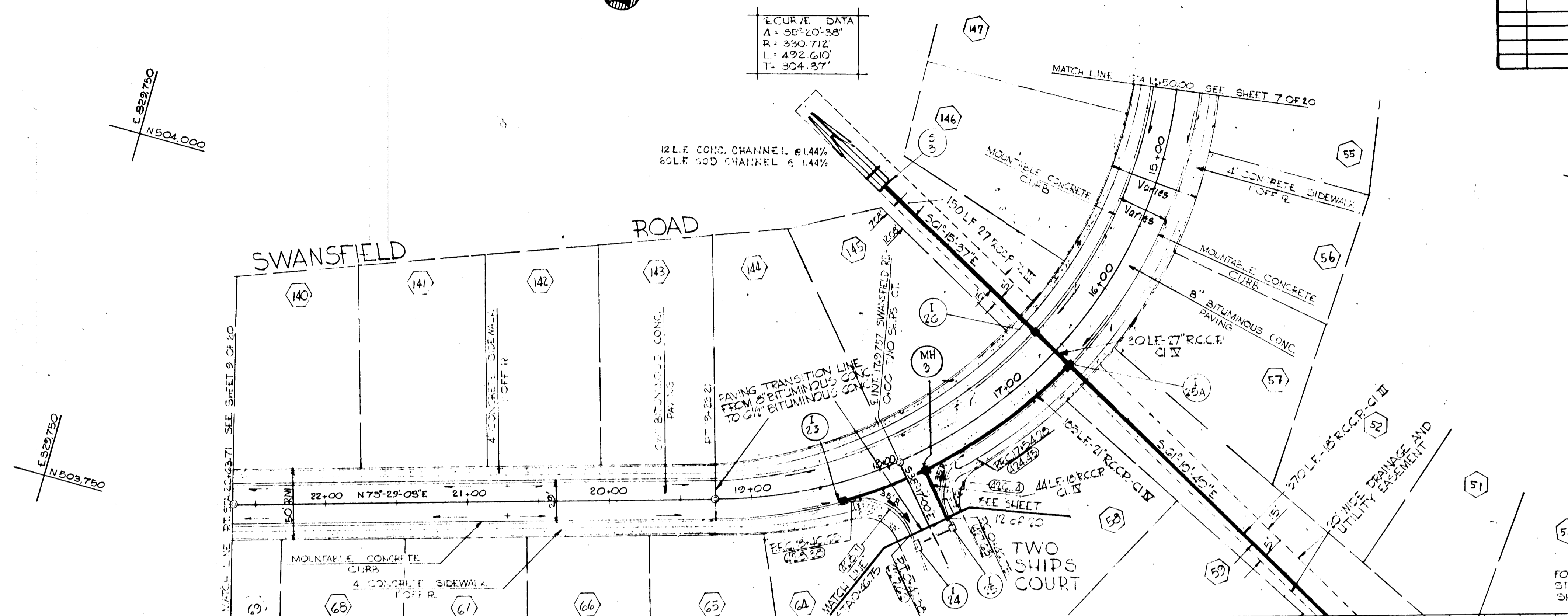


#11

7-68-77

STORM DRAINAGE STRUCTURE SCHEDULE						
NO.	TYPE	LOCATION	INV. IN	INV. OUT	T.C.P. ELEV.	REMARKS
I-23	MOD. S' COMB	E STA 18+47 12.7' LT. L	422.00	426.92		SEE DETAIL SHEET
I-25A	MOD. S' COMB	E STA 16+57 12.7' LT. L	418.20	418.05	423.10	SEE DETAIL SHEET
I-26	MOD. S' COMB	E STA 16+57 20' RT. E	417.45	417.20	423.10	SEE DETAIL SHEET
MH 9	STD. MANHOLE	E STA 17+83.57		420.78	-	HO. CO. STD ORWG. 103 PAGE 158

PLAN
SCALE 1"=50'



APPROVED
PLANNING COMMISSION
DATE OCT 18 1968
[Signature]

BROWNE-PANDULLO & ASSOCIATES
ENGINEERS
COLUMBIA, MARYLAND

Rev Date	Rev No	Revision Description

COLUMBIA
MARYLAND
5TH ELECTION DISTRICT - HOWARD COUNTY
OWNER AND DEVELOPER
HOWARD RESEARCH AND DEVELOPMENT CORP.
THE VILLAGE OF CROSS KEYS - BALTIMORE, MARYLAND 21210

PROJECT AREA
VILLAGE OF HARPER'S CHOICE SEC A
SWANSFIELD AREA I

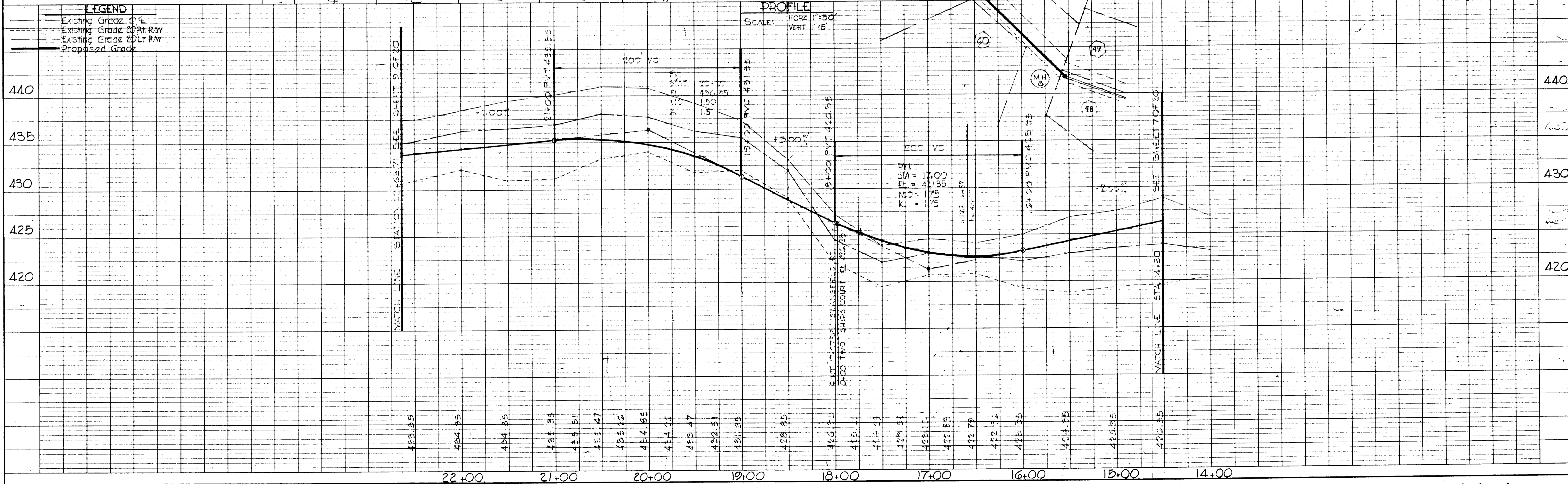
PROJECT TITLE
PLAN & PROFILE
SWANSFIELD ROAD

Des By T.S.	Scale AS SHOWN	Dwg. No 30F20
Drn By B.L.	Date JUNE 28 1968	C.C.F. No
Chk By D	Approved	

FOR CONTINUATION OF
STORM DRAIN SEE
SHEET 5 OF 20

PLAN
SURVEYED, PLOTTED, CHECKED, NO. BY DATE

PROFILE
SURVEYED, PLOTTED, GRADES CHECKED, STRUCTURE NOTATIONS CHECKED, NO. BY DATE

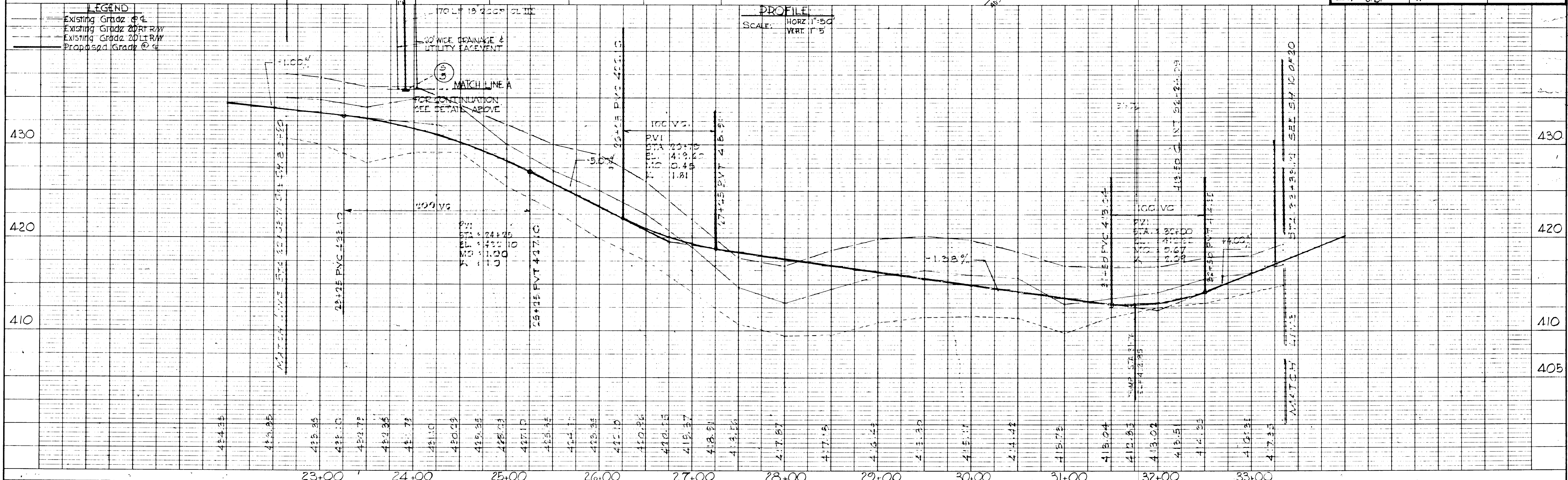
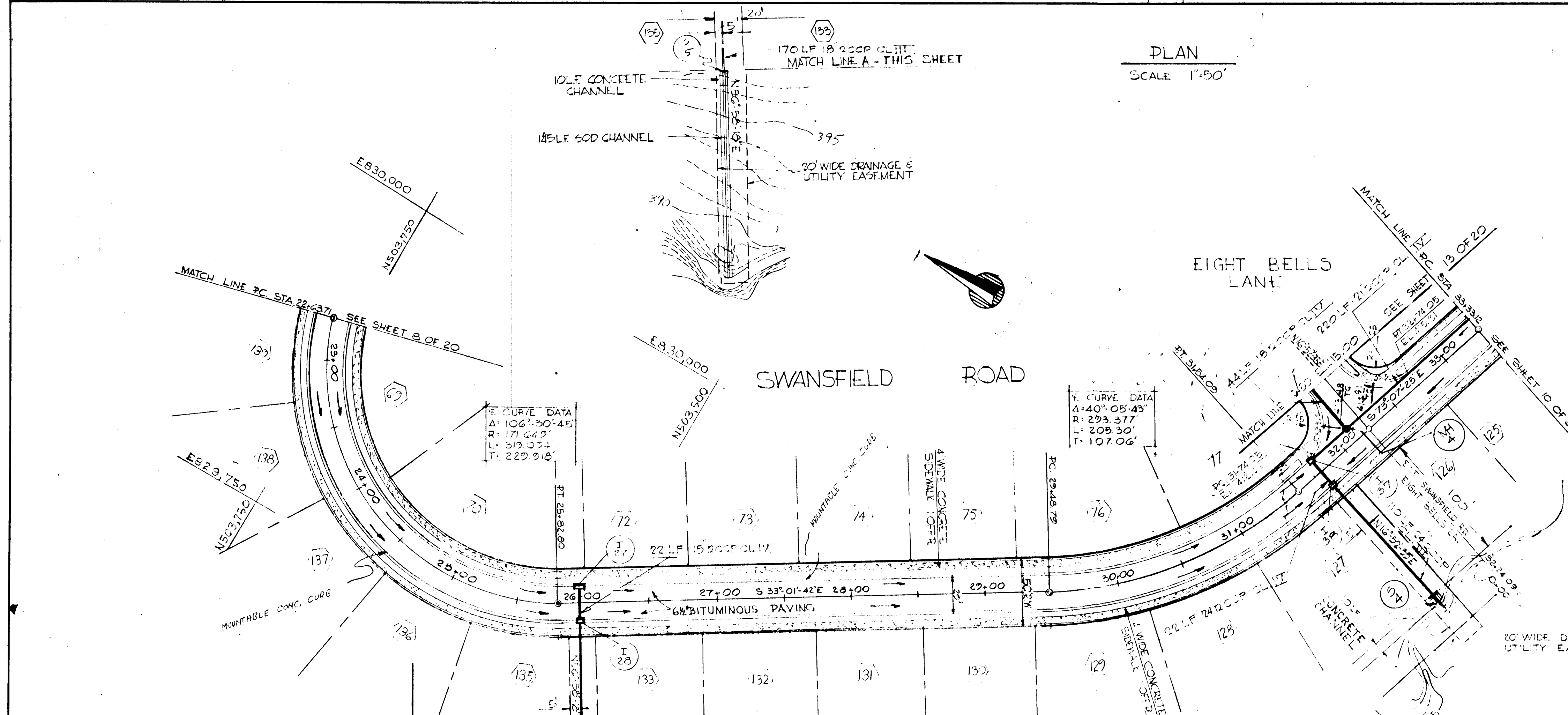


F-68-79

DATE	
BY	
SURVEYED	
PLANNED	
NOTED	
NO.	

DATE	
BY	
SURVEYED	
PLANNED	
NOTED	
NO.	

STORM DRAINAGE STRUCTURE SCHEDULE						
NO.	TYPE	LOCATION	INV. IN	INV. OUT	I.C. PELEV.	REMARKS
I-27	STD. DIA. 3 COMP.	± STA. 21+76	408.23	407.13	412.62	Ho. Co. Std. Pa. 154 D-32
I-28	STD. DIA. 3 COMP.	" " 21+76	407.22	407.43	412.62	SEE DETAIL
S-4	STD. C. ENDWALL	AS SHOWN	408.73			Ho. Co. Std. Pa. 107 D-52
I-27	STD. DIA. 3 COMP.	± STA. 22+00		410.15	423.23	" " Pa. 154 D-32
I-28	STD. DIA. 3 COMP.	" " 22+00	410.11	410.15	423.23	SEE DETAIL
S-5	STD. C. ENDWALL	" " 22+00	408.46			Ho. Co. Std. Pa. 107 D-52
MH-4	STD. MANHOLE	± STA. 22+11	-	409.07	-	Ho. Co. Std. Pa. 107 D-52



APPROVED
 PLANNING COMMISSION
 OF HOWARD COUNTY
 DATE OCT 13 1988
[Signature]

BROWNE-PANDULLO & ASSOCIATES
 ENGINEERS
 COLUMBIA, MARYLAND

Rev Date	Rev No	Revision Description

COLUMBIA
 MARYLAND
 5TH ELECTION DISTRICT - HOWARD COUNTY
 OWNER AND DEVELOPER
HOWARD RESEARCH AND DEVELOPMENT CORP.
 THE VILLAGE OF CROSS KEYS - BALTIMORE, MARYLAND 21210

PROJECT AREA
 VILLAGE OF HARPER'S CHOICE - SECTION 4
 SWANSFIELD AREA I

PROJECT TITLE
SWANSFIELD ROAD
 PLAN & PROFILE

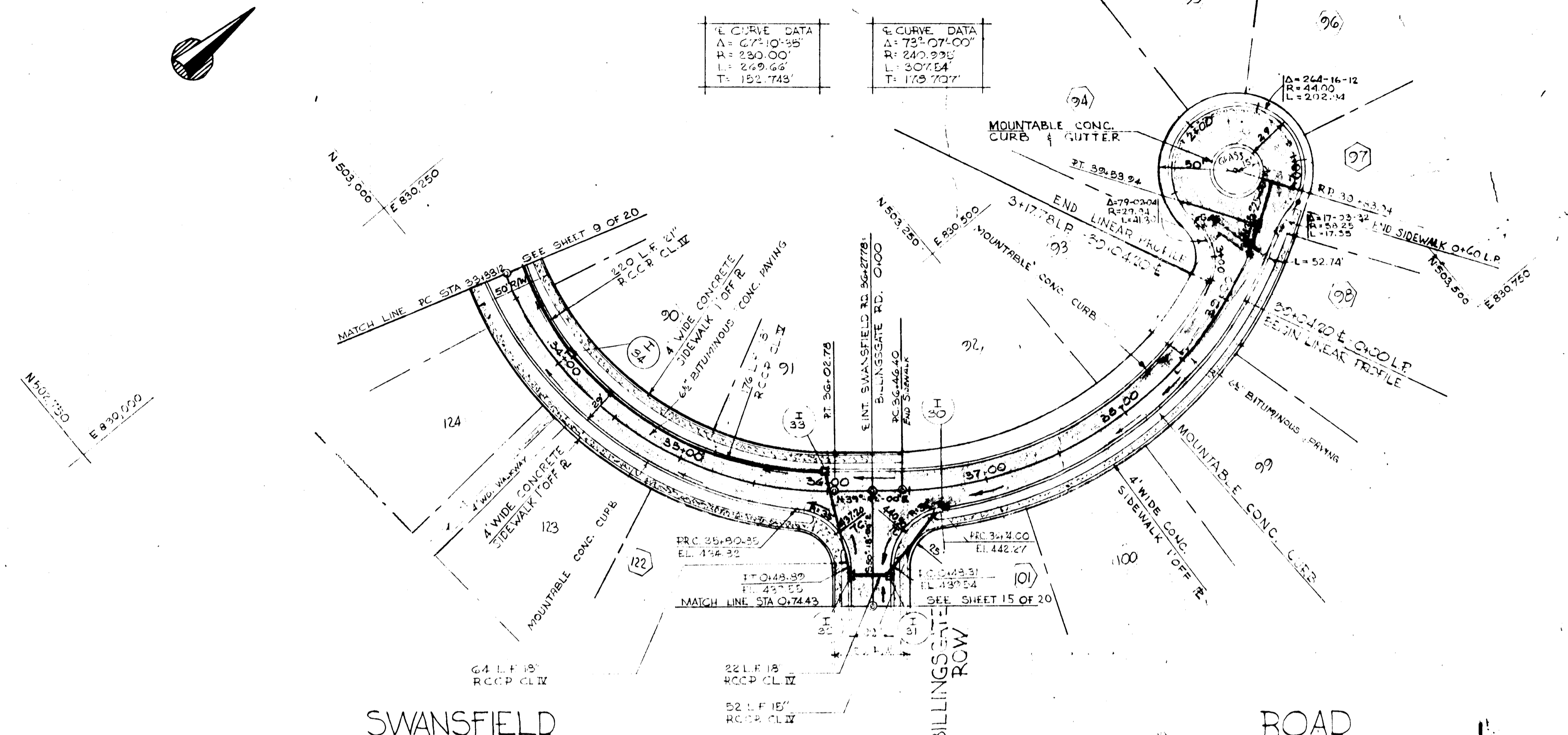
Des By	T.S.	Scale	AS SHOWN	Dwg. No.	2 OF 20
Drn By	F.C.	Date	JUNE 28 1988	C.C.F. No.	
Chk By	J.D.	Approved			

F-68-89

DATE	
BY	
SURVEYED	
PLANNED	
NOTED	
RT. OF WAY CHECKED	
NO.	

DATE	
BY	
SURVEYED	
GRADES CHECKED	
NOTED	
STRUCTURE NOTATIONS CHECKED	
NO.	

PLAN
SCALE 1" = 50'



NO.	TYPE	LOCATION	INV. IN	INV. OUT	T.C.P. ELEV.	REMARKS
E-30	MOD 'S' COMB. JG	ST. 36+80 12.7' RT.	436.26	443.08	440.00	SEE DETAIL SHEET
E-31	DOUBLE 'S' COMB.	ST. 0+55 12.7' LT.	434.36	434.11	440.00	HOCTY STD B, D
E-32	DOUBLE 'S' COMB.	ST. 0+55 12.7' RT.	433.01	432.81	440.00	HOCTY STD B, D
E-33	MOD 'S' COMB.	ST. 36+00 12.7' LT.	428.45	428.45	436.26	SEE DETAIL SHEET
E-34	MOD 'S' COMB.	ST. 34+00 12.7' LT.	414.02	413.78	421.43	SEE DETAIL SHEET

BROWNE-PANDULLO & ASSOCIATES
ENGINEERS
COLUMBIA, MARYLAND

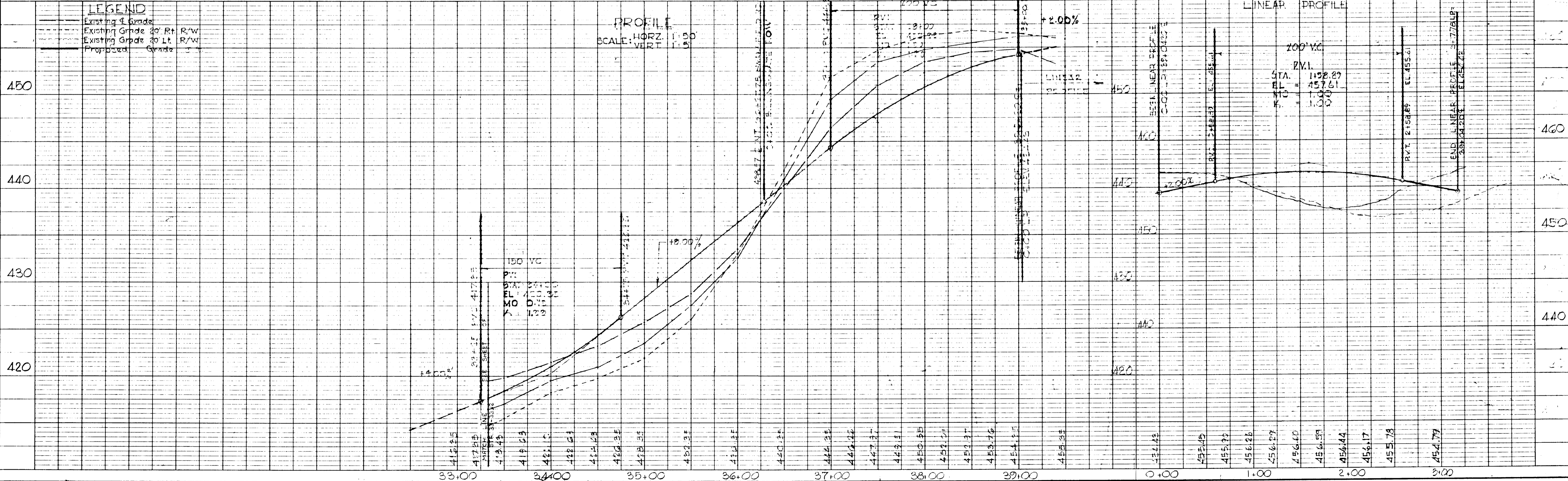
Rev Date: Rev No: Revision Description:

COLUMBIA
MARYLAND
5th ELECTION DISTRICT - HOWARD COUNTY
OWNER AND DEVELOPER
HOWARD RESEARCH AND DEVELOPMENT CORP.
THE VILLAGE OF CROSS KEYS - BALTIMORE, MARYLAND 21210

PROJECT AREA: VILLAGE OF HARPER'S CHOICE - SECTION 4 SWANSFIELD AREA
PROJECT TITLE: SWANSFIELD ROAD PLAN & PROFILE

Des By: T.S. Scale: AS SHOWN Dwg. No: 100 OF 20
Dwn By: B.B. Date: JUNE 28, 1968 C.C.F. No:
Chk By: J.D. Approved:

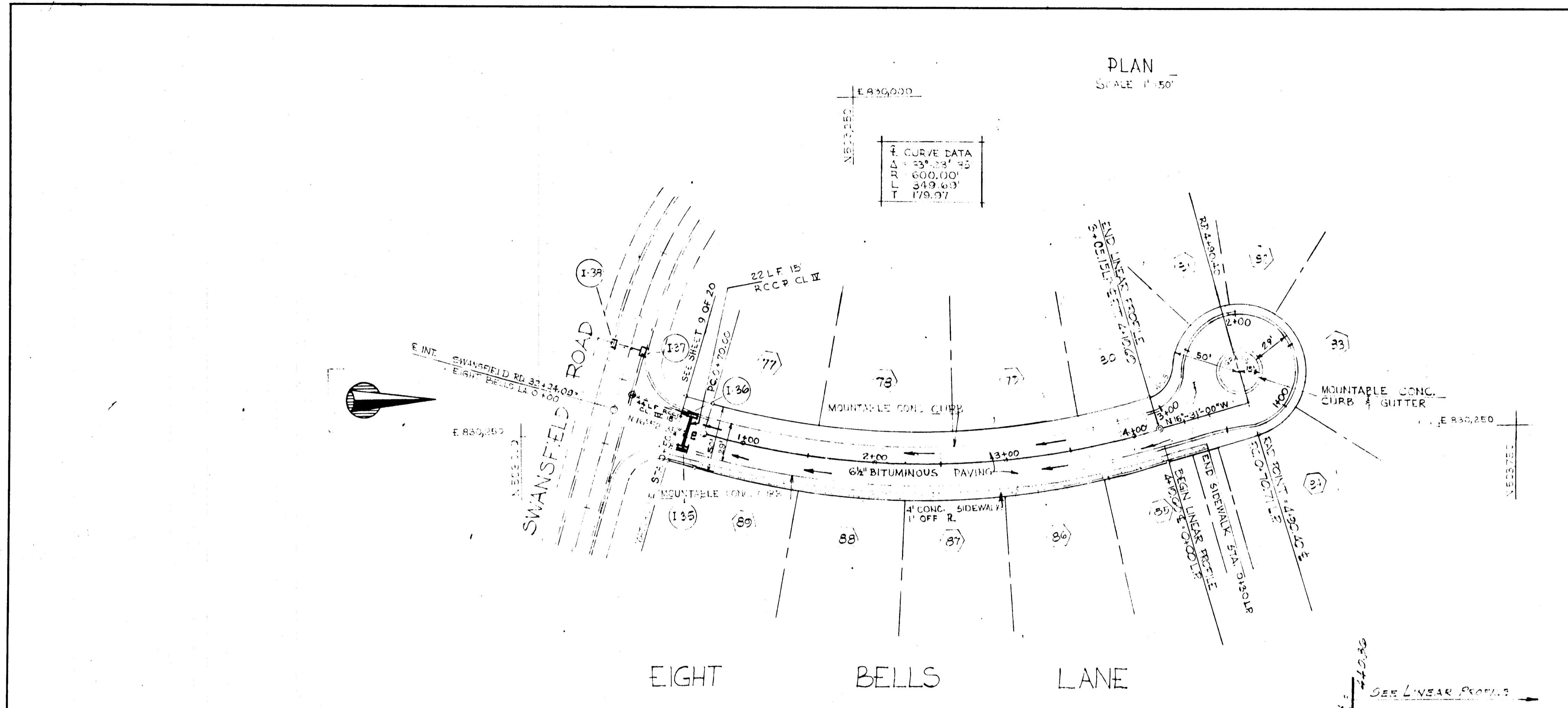
APPROVED
PLANNING COMMISSION
HOWARD COUNTY
DATE: OCT 18 1968
[Signature]



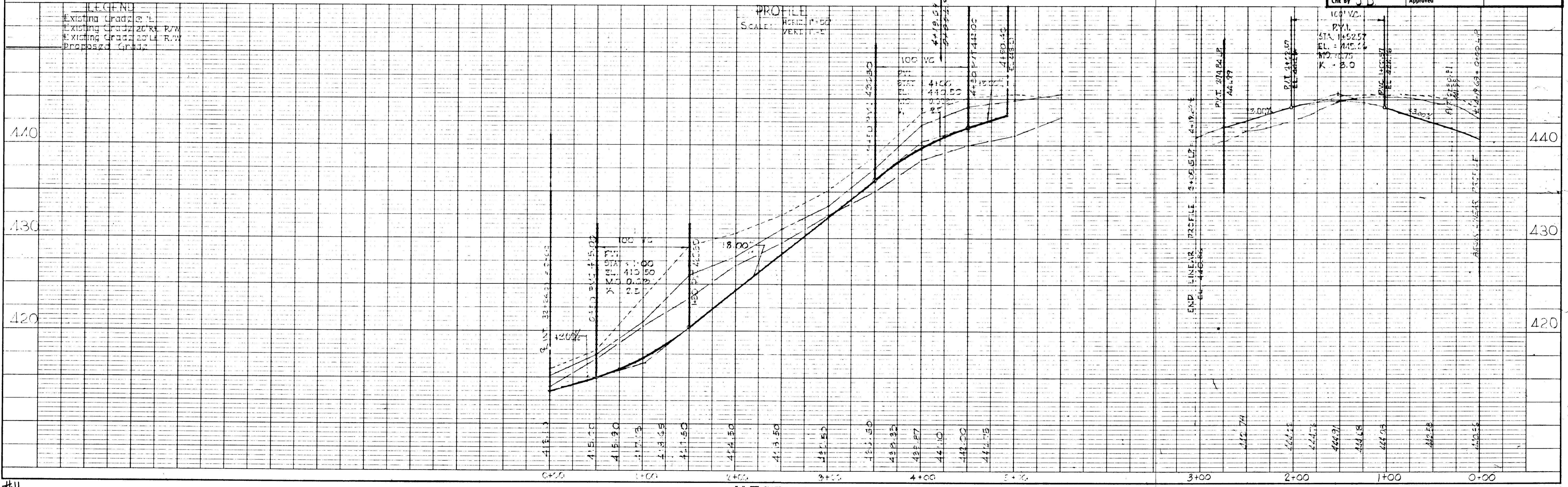
F-68-49

DATE	
BY	
SURVEYED	
NOTED	
FLIGHT	
ALIGNED	
CHECKED	
REL. OF W/T CHECKED	
NO.	

DATE	
BY	
SURVEYED	
NOTED	
FLIGHT	
ALIGNED	
CHECKED	
STRUCTURE NOTATION CHECKED	
NO.	



STORM DRAINAGE STRUCTURE SCHEDULE						
NO.	TYPE	LOCATION	INV. IN	INV. OUT	T.C. PELEV.	REMARKS
1	MODIFIED S COMB	STATION 2+24 12' 7\"/>				



APPROVED
 PLANNING COMMISSION
 DATE OCT 18 1968
J. J. [Signature]

BROWNE-PANDULLO & ASSOCIATES
 ENGINEERS
 COLUMBIA, MARYLAND

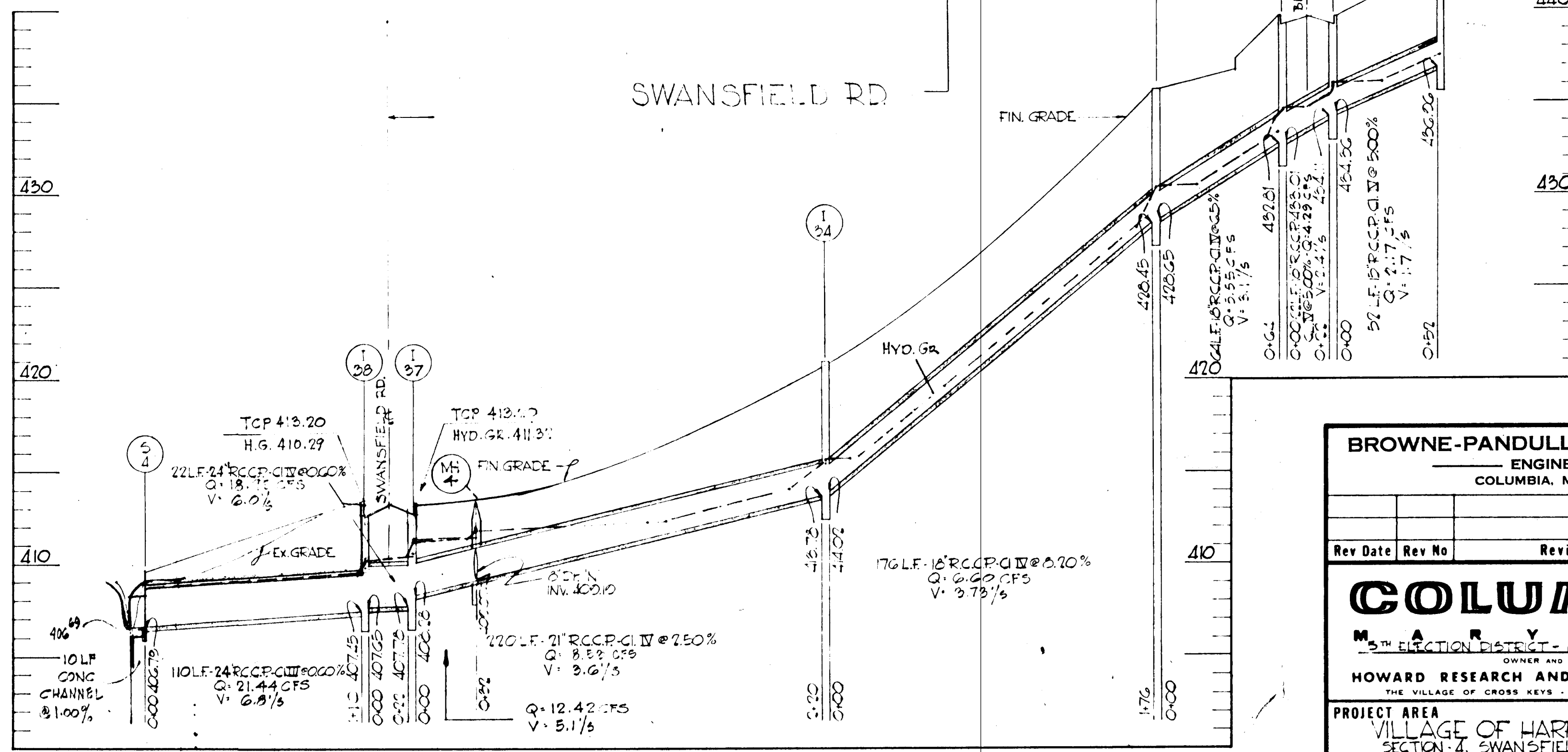
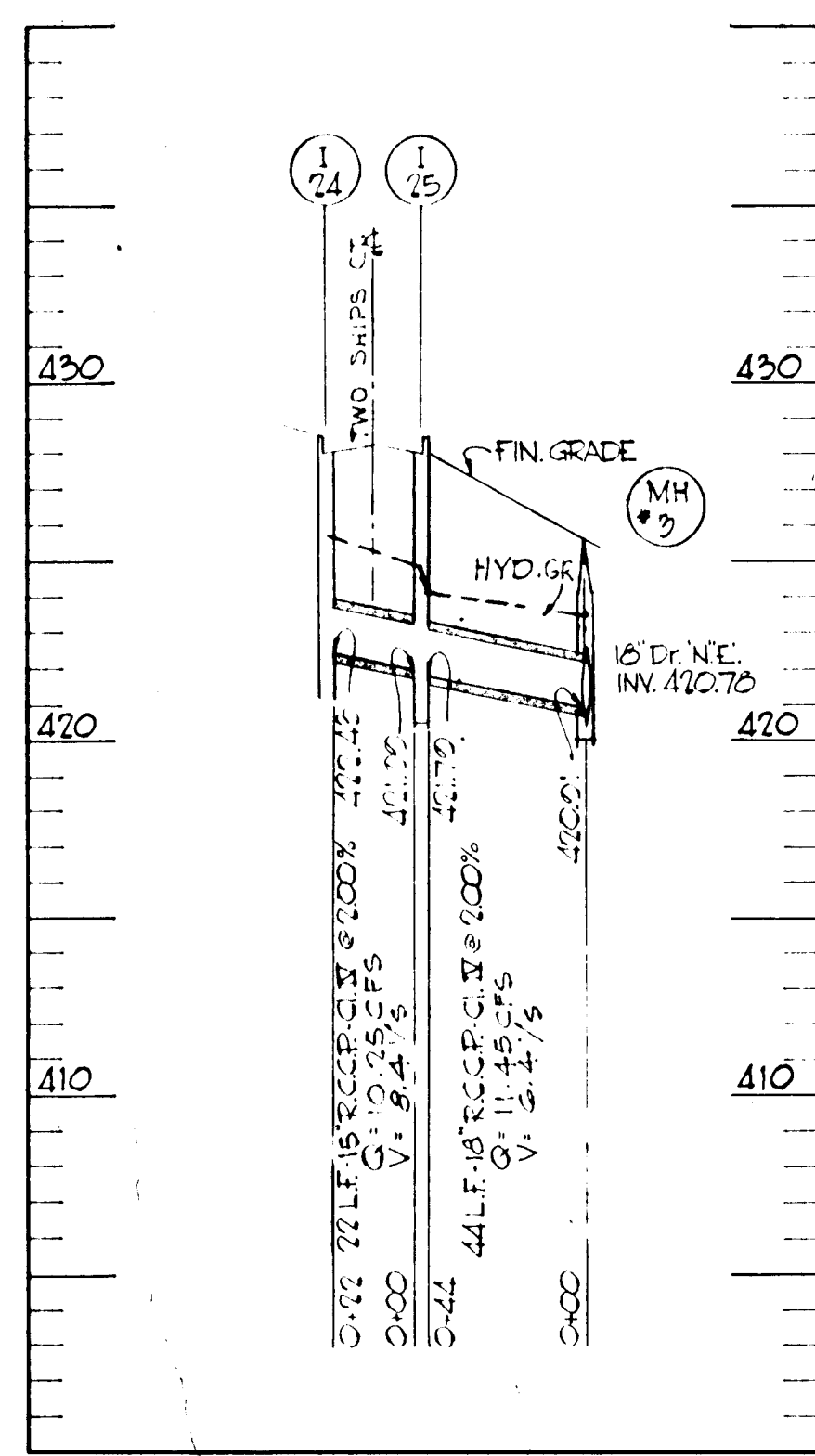
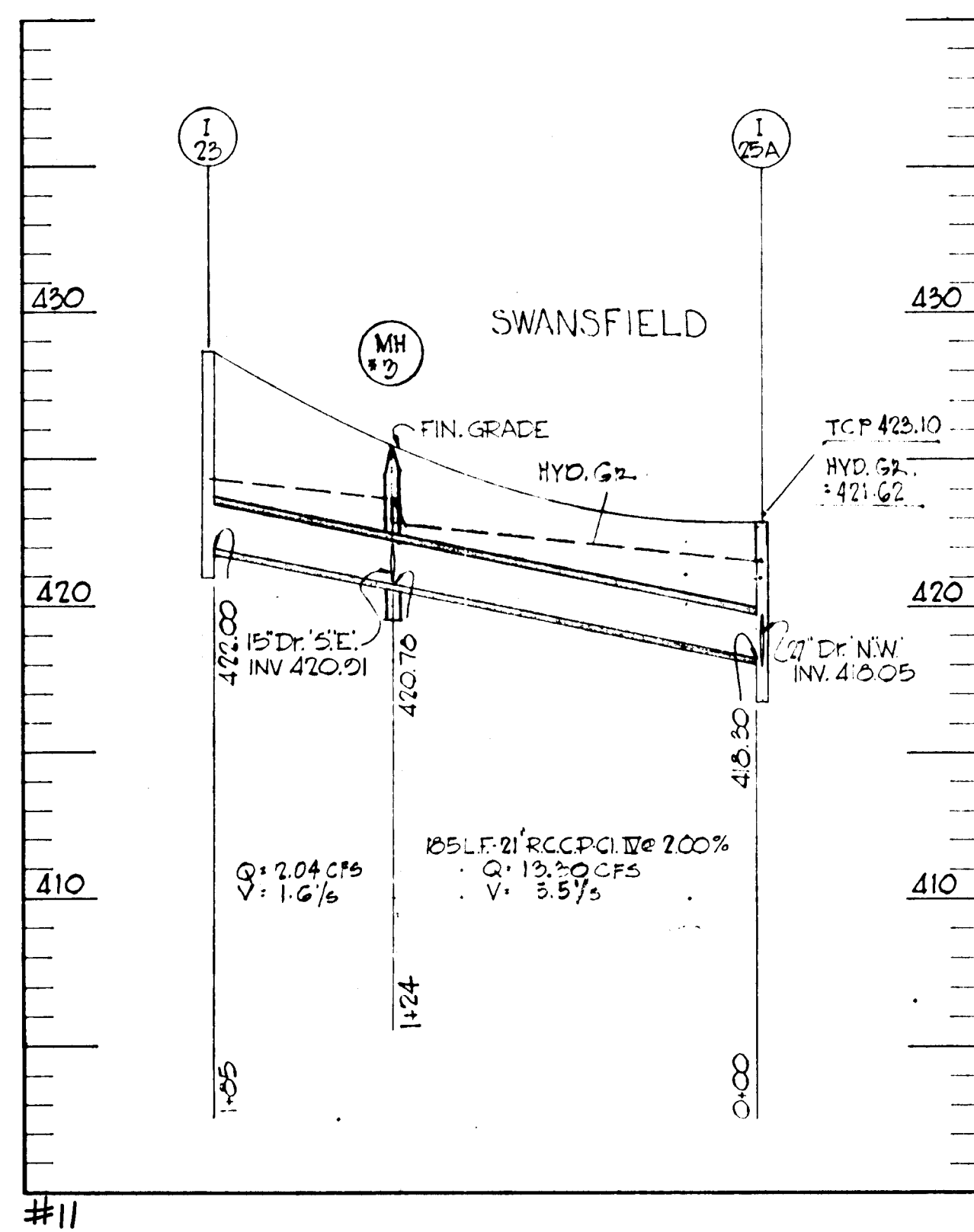
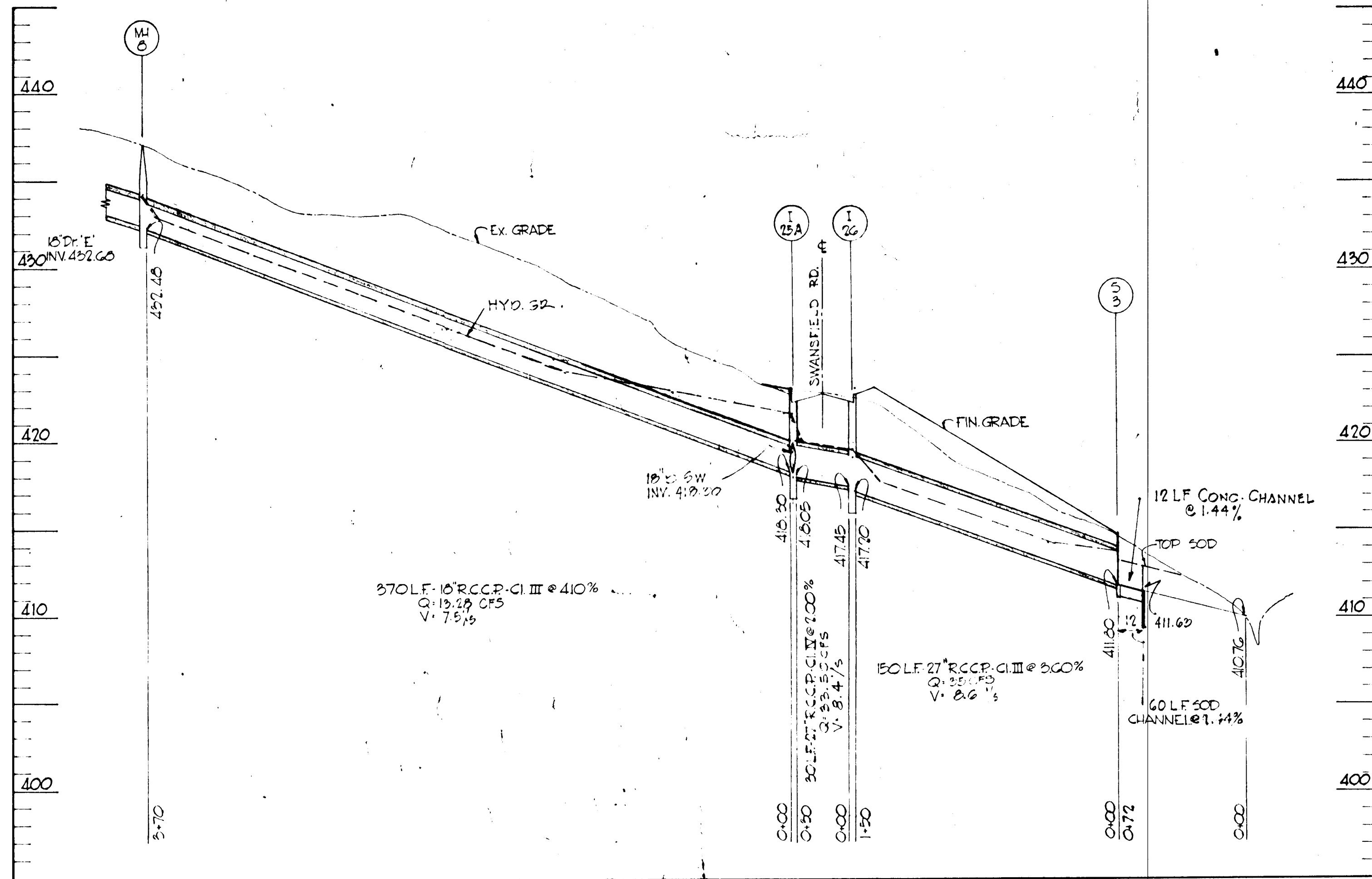
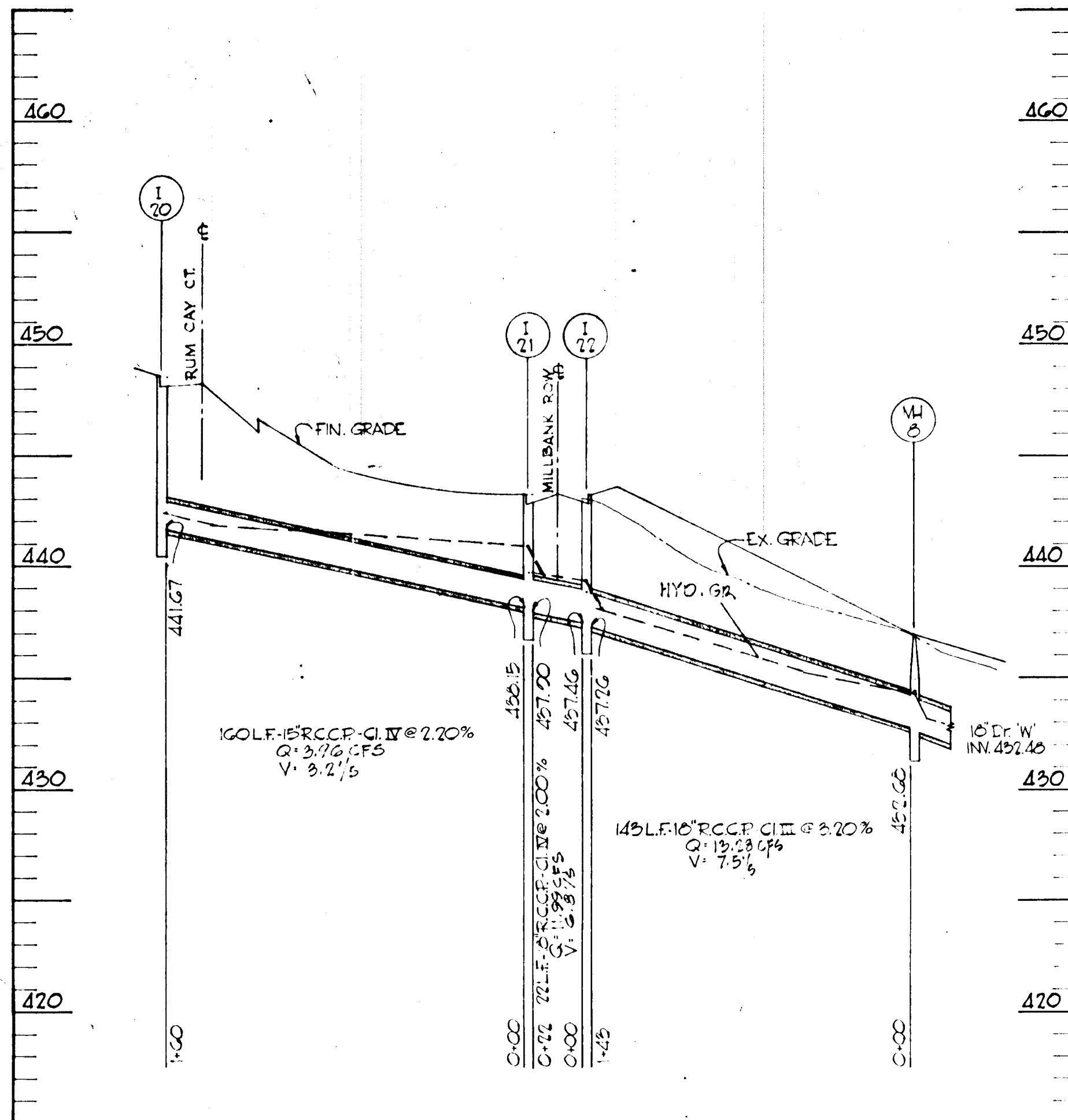
Rev Date Rev No Revision Description

COLUMBIA
 MARYLAND DISTRICT - HOWARD COUNTY
 OWNER AND DEVELOPER
HOWARD RESEARCH AND DEVELOPMENT CORP.
 THE VILLAGE OF CROSS KEYS - BALTIMORE, MARYLAND 21210

PROJECT AREA
 VILLAGE OF HARBOR CHOICE - SECTION 4
SWANSFIELD AREA I

PROJECT TITLE
EIGHT BELLS LANE
 PLAN & PROFILE

Des By: J.D. Scale: AS SHOWN Dwg. No. 13 OF 20
 Dwn By: J.D. Date: JUNE 22, 1968 C.C.F. No.
 Chk By: J.D. Approved



APPROVED
 PLANNING COMMISSION
 OF HOWARD COUNTY
 DATE DEC 18 1968

BROWNE-PANDULLO & ASSOCIATES
 ENGINEERS
 COLUMBIA, MARYLAND

Rev Date	Rev No	Revision Description

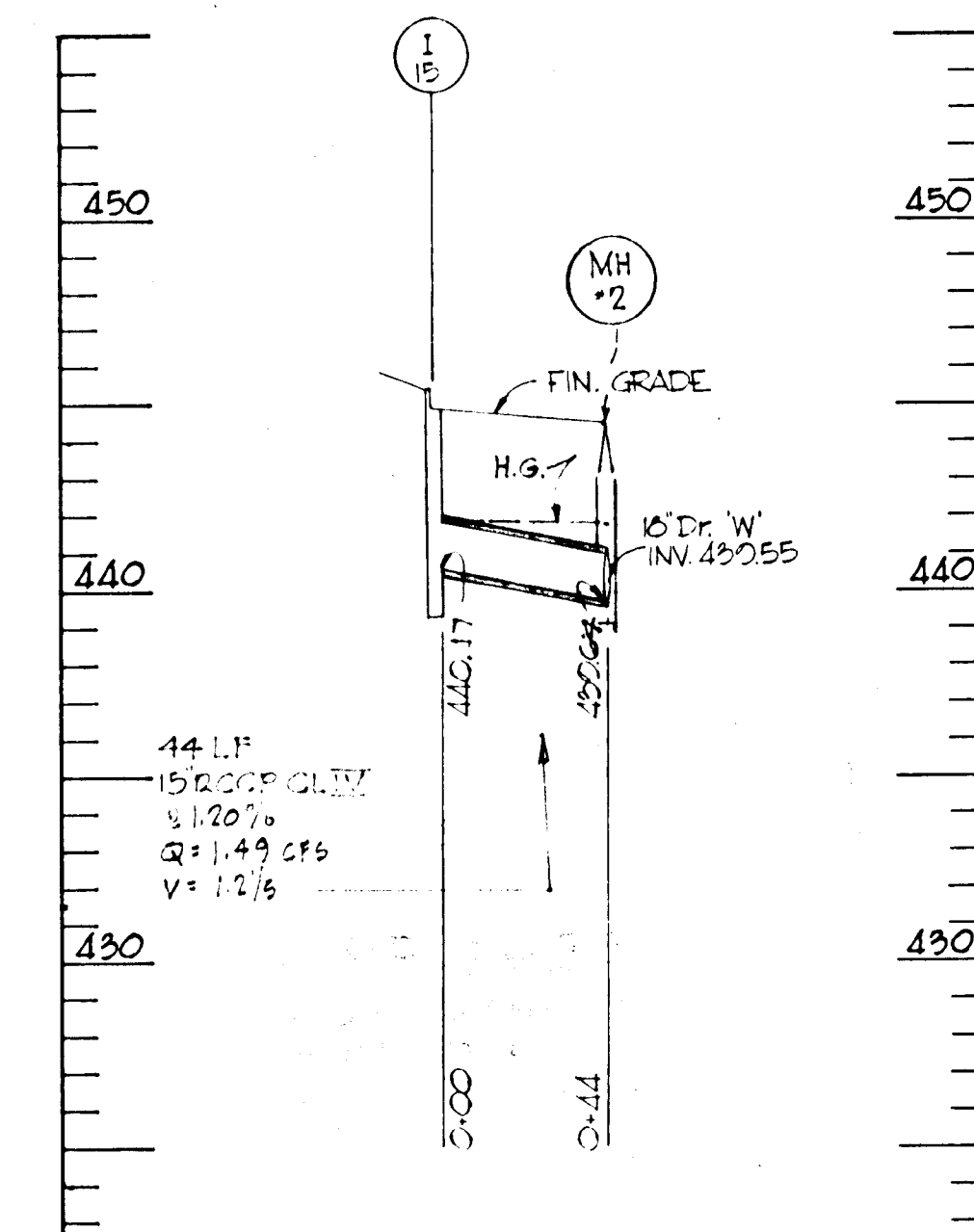
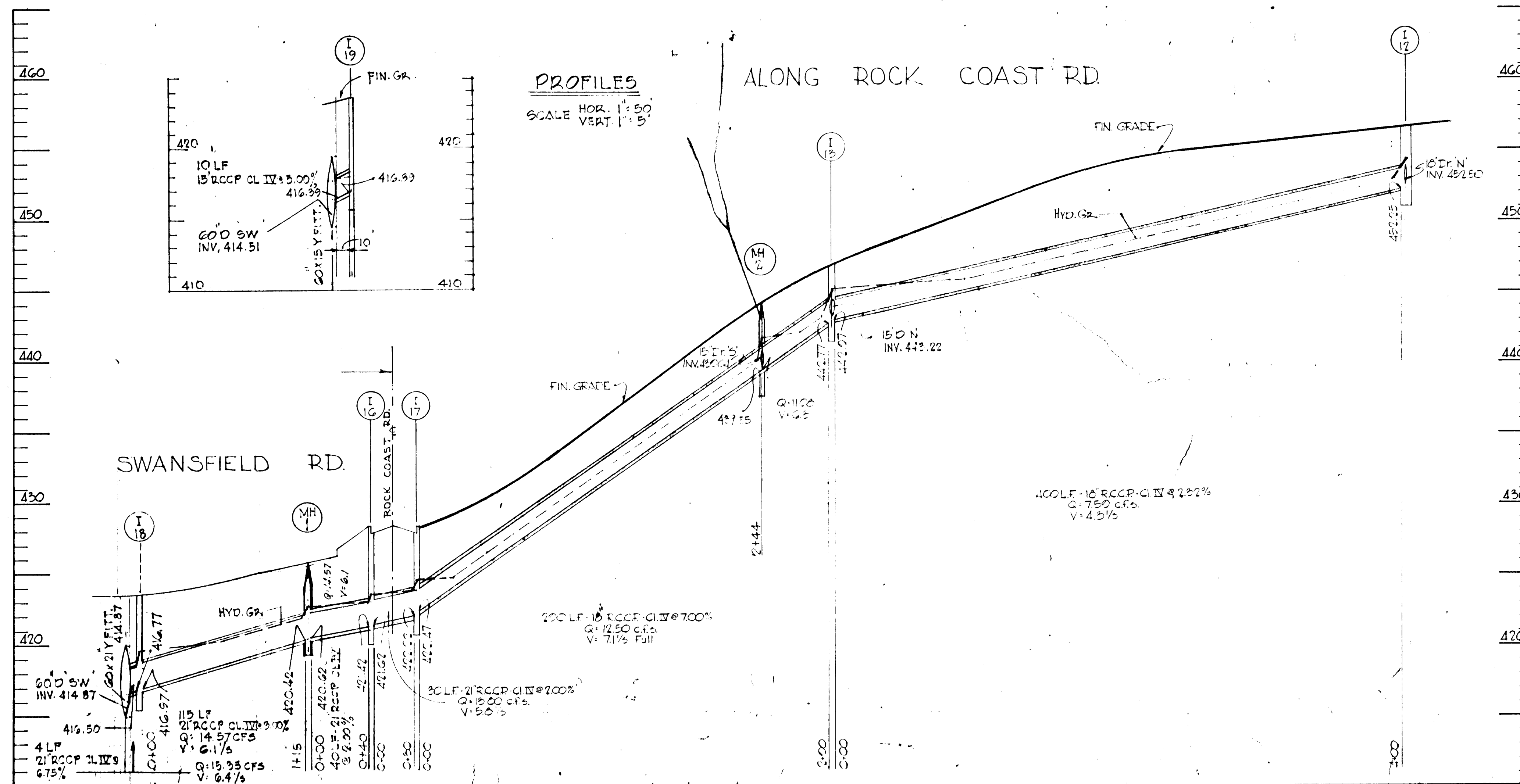
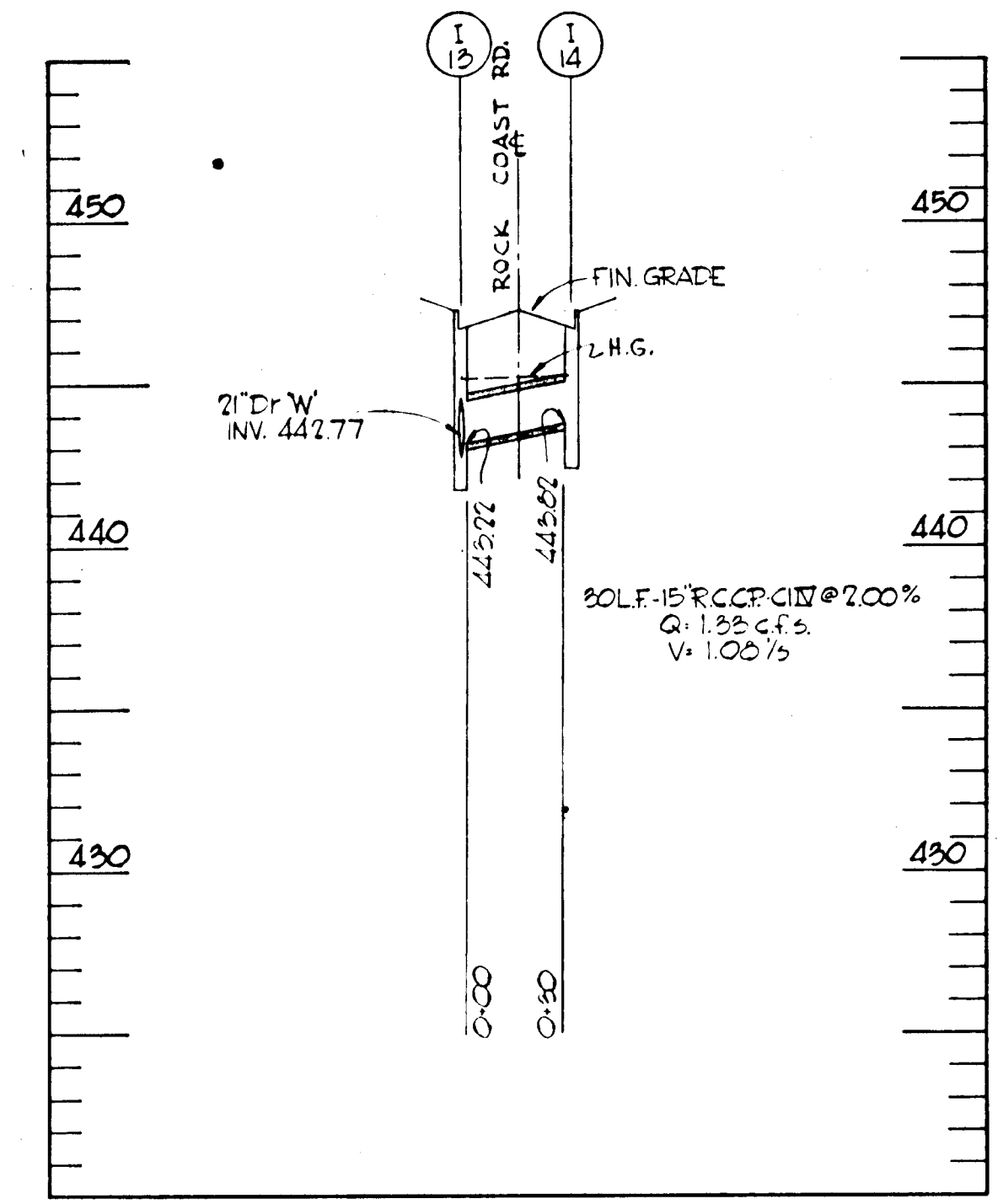
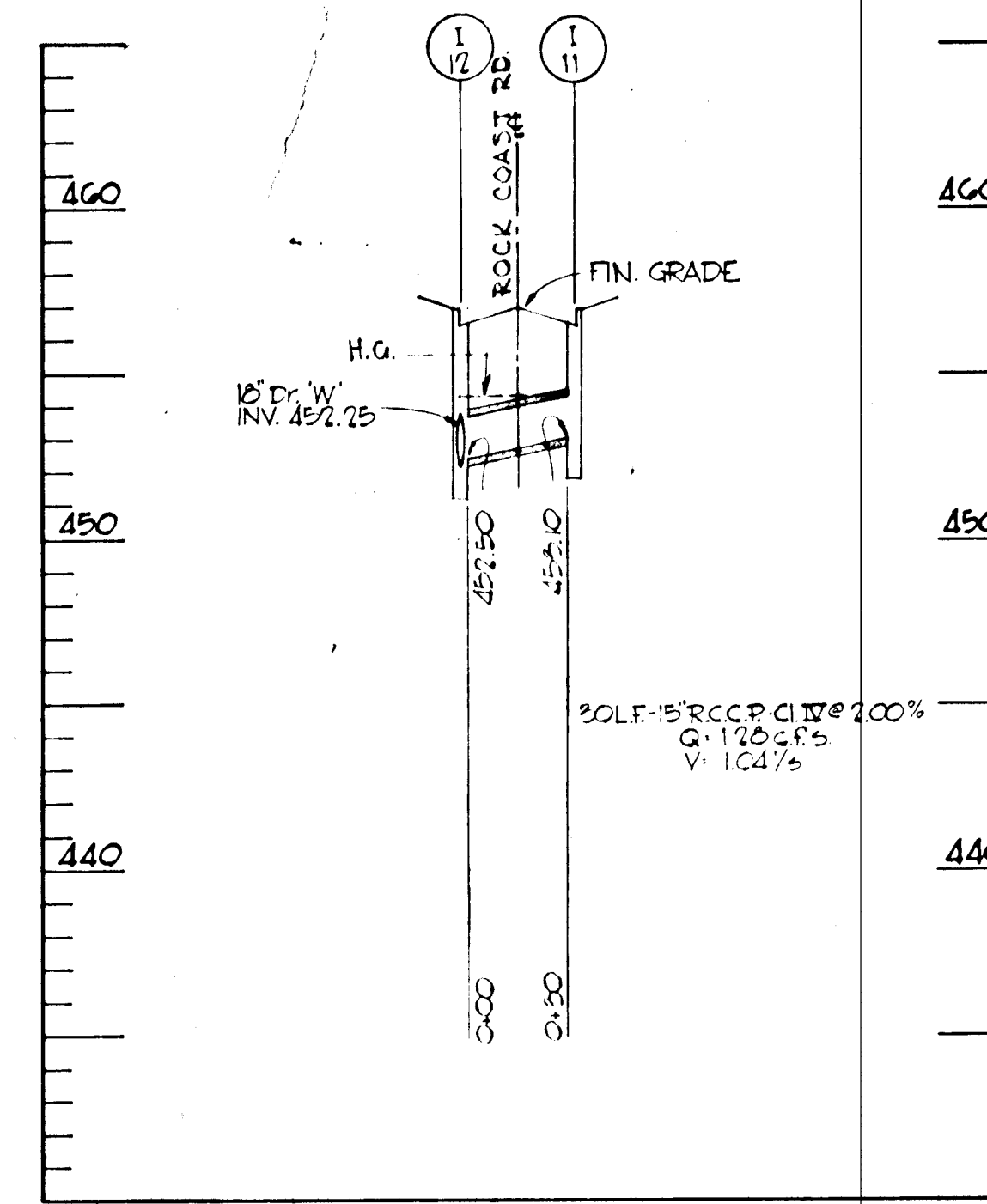
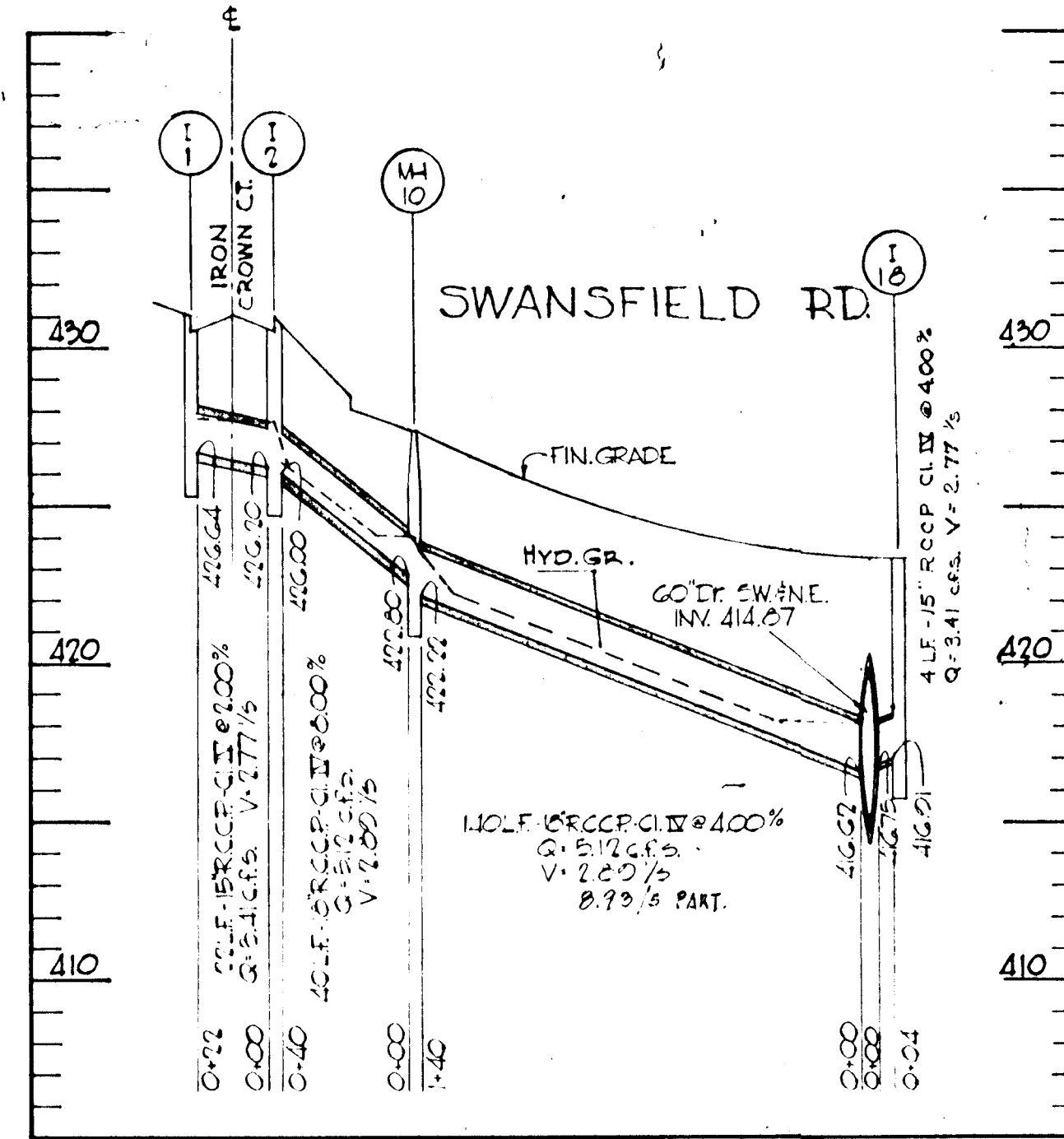
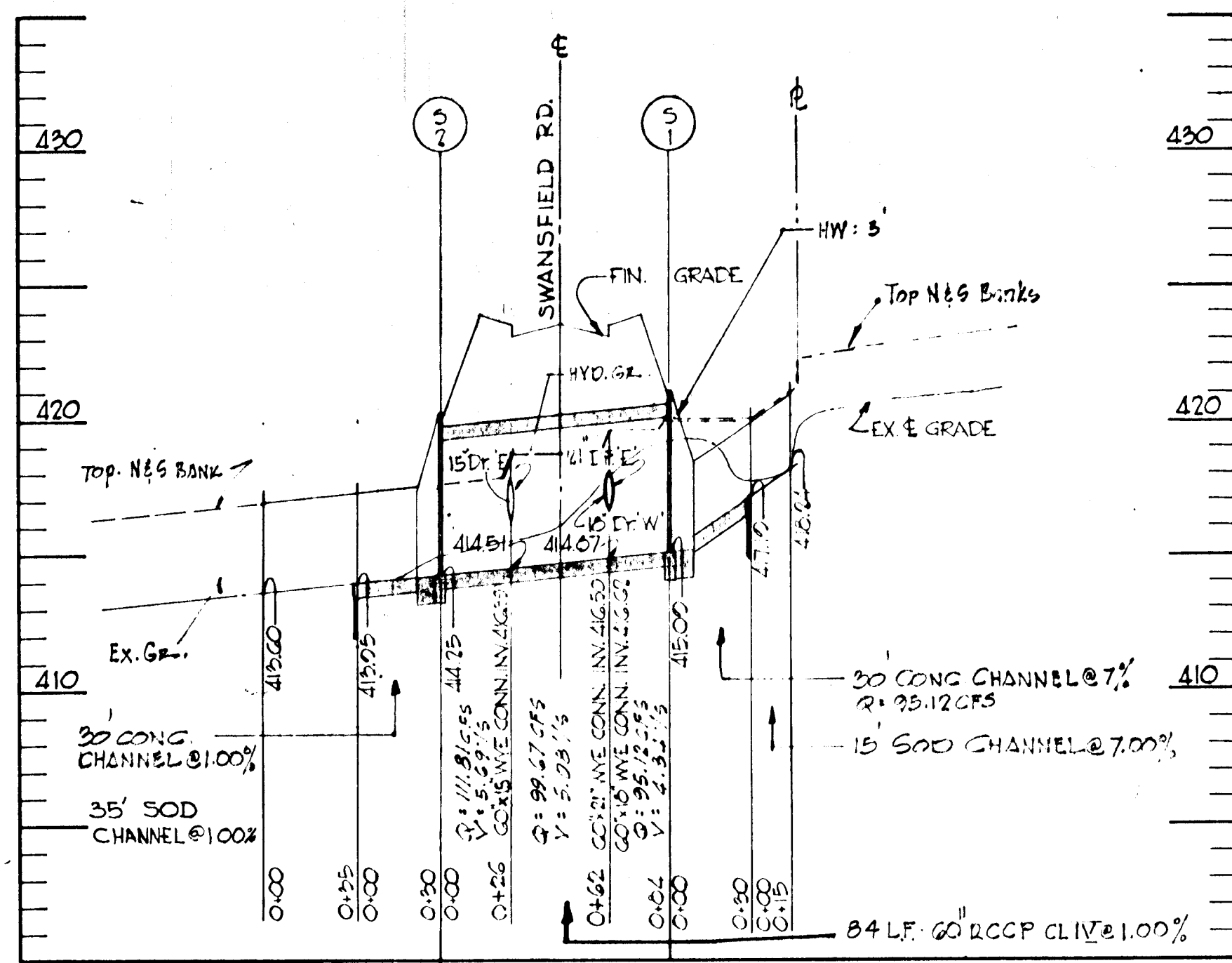
COLUMBIA
 MARYLAND
 3RD ELECTION DISTRICT - HOWARD COUNTY
 OWNER AND DEVELOPER
HOWARD RESEARCH AND DEVELOPMENT CORP.
 THE VILLAGE OF CROSS KEYS - BALTIMORE, MARYLAND 21210

PROJECT AREA
VILLAGE OF HARPER'S CHOICE
 SECTION - J, SWANSFIELD, AREA - I

PROJECT TITLE
STORM DRAIN PROFILES

Des By	T.S.	Scale	VERT. 1" = 5'	Dwg No	16 of 20
Drn By	F.T.	Date	JUNE 26 1968	C.C.F. No	
Chk By	J.D.	Approved			

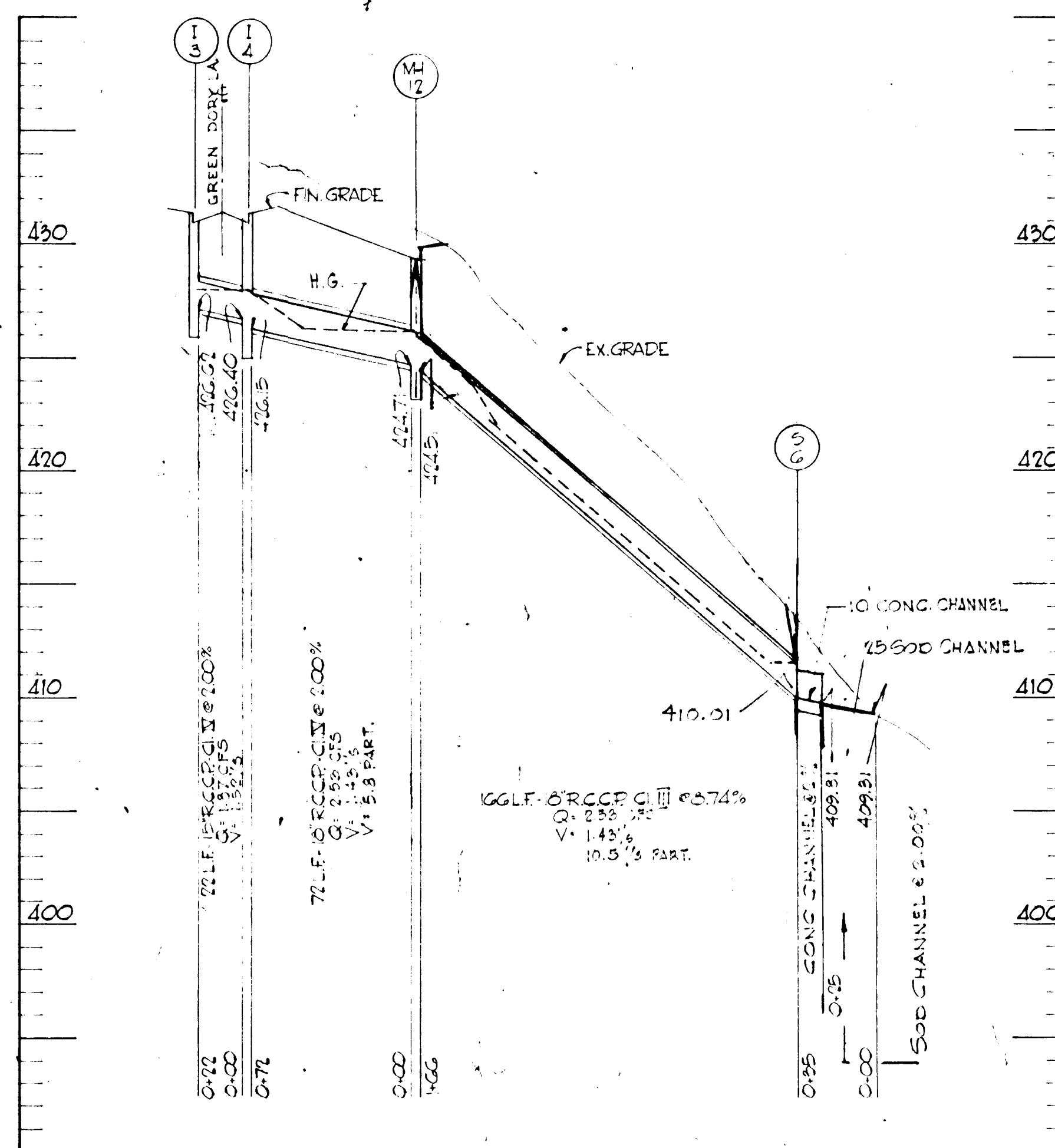
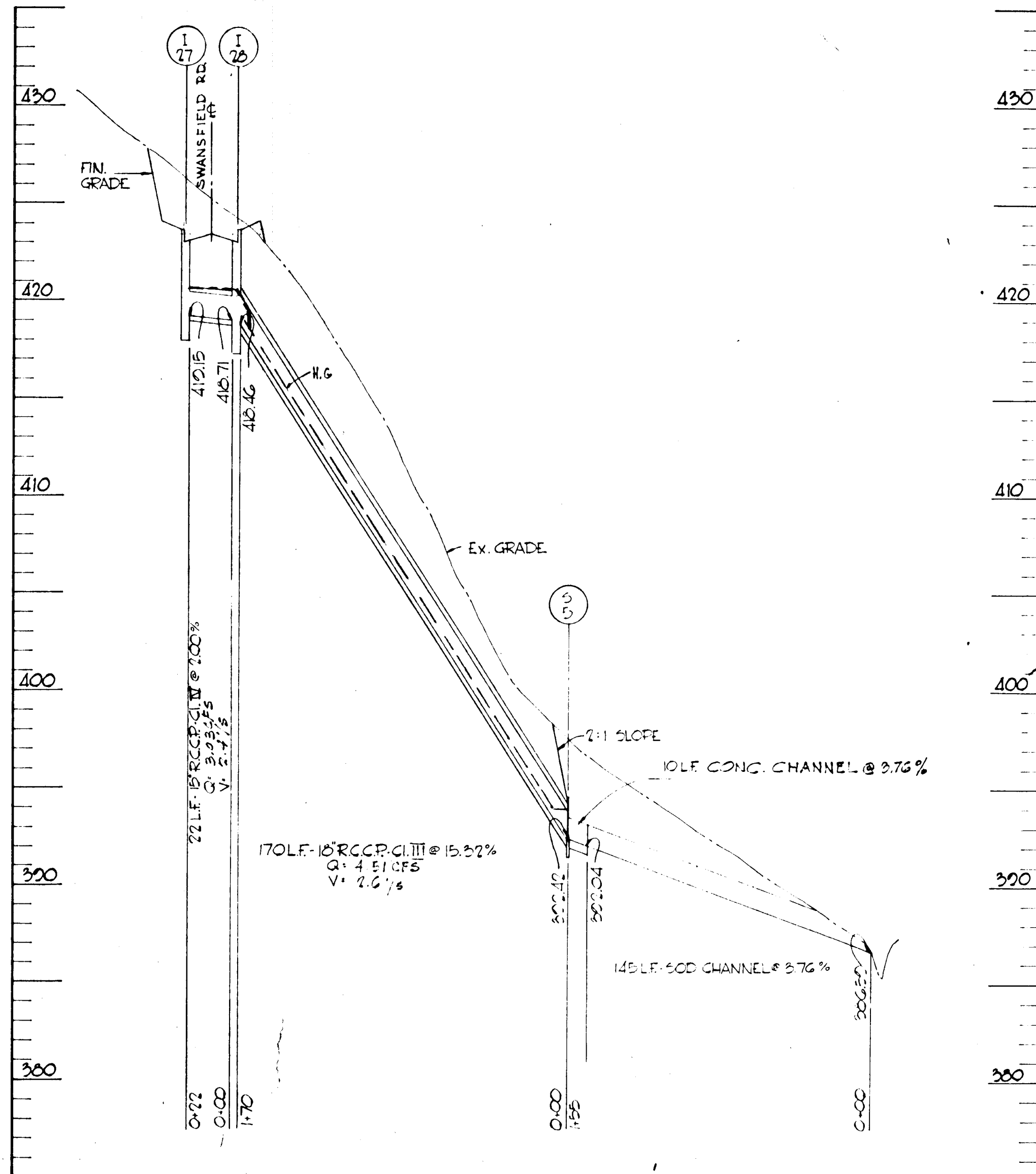
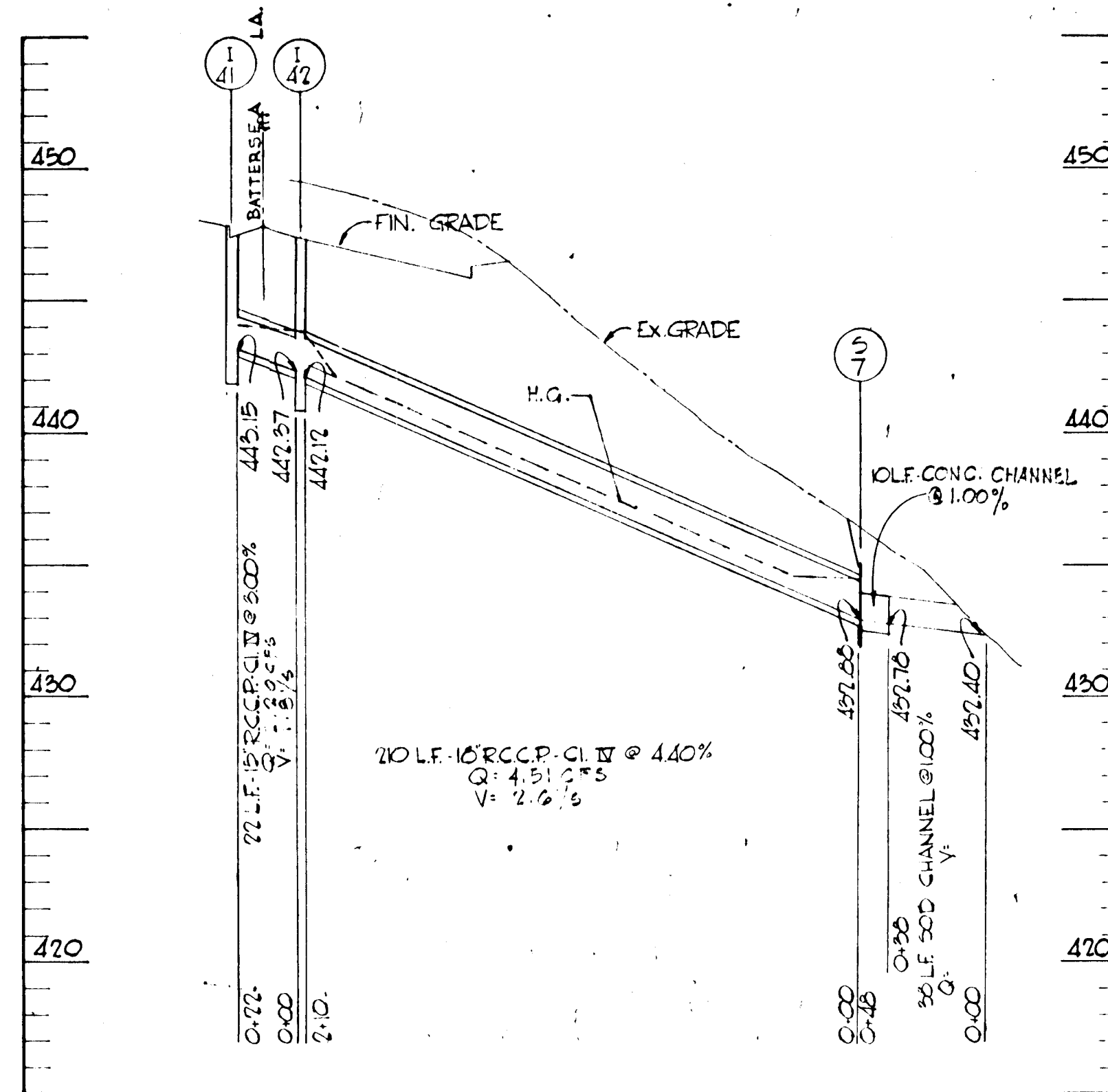
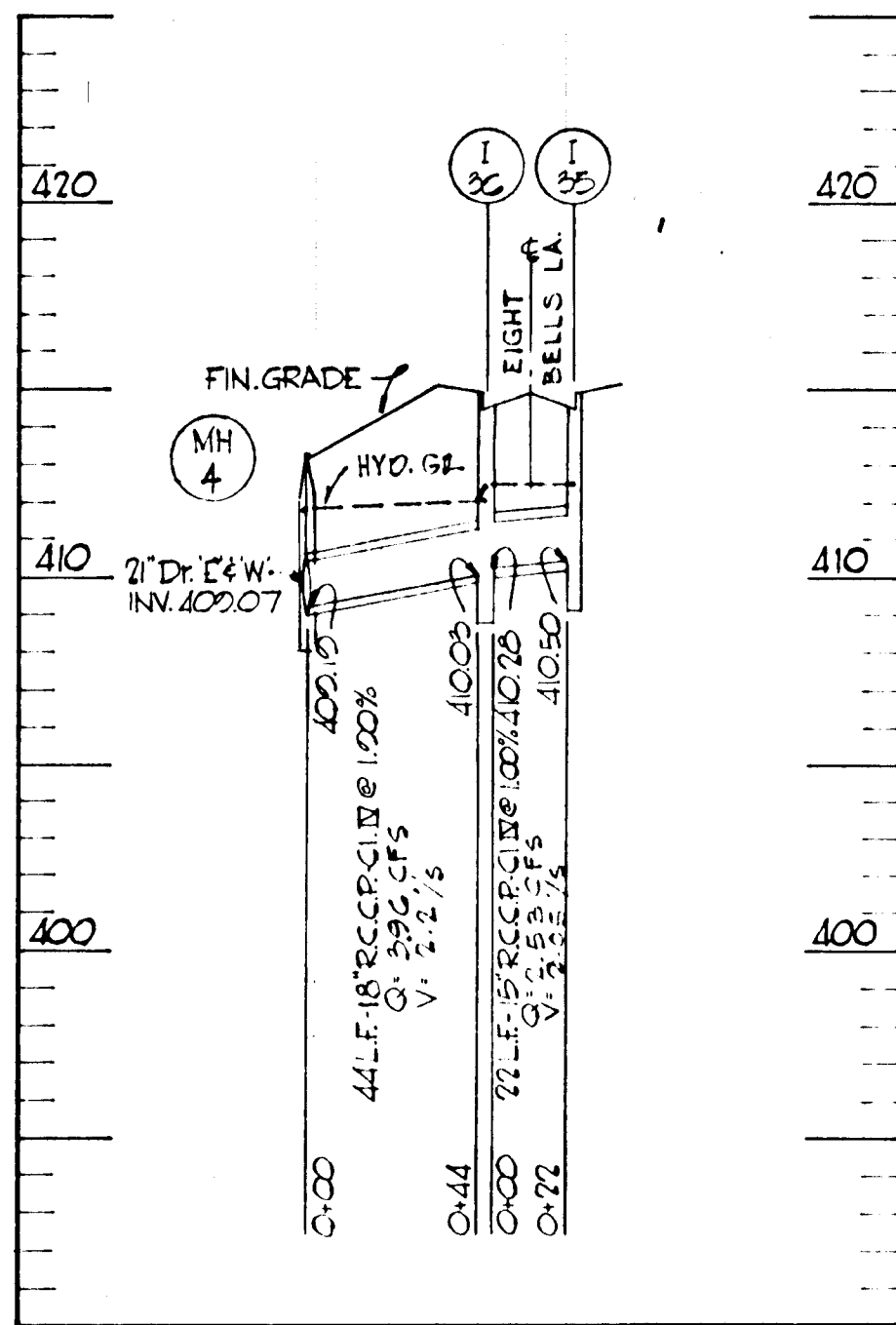
F-68-49



APPROVED
PLANNING COMMISSION
DATE: JUN 28 1968

BROWNE-PANDULLO & ASSOCIATES ENGINEERS COLUMBIA, MARYLAND		
Rev Date	Rev No	Revision Description
8-2-68	1	REVISED MH#2 TO I/B
COLUMBIA MARYLAND 5th ELECTION DISTRICT - HOWARD COUNTY OWNER AND DEVELOPER HOWARD RESEARCH AND DEVELOPMENT CORP. THE VILLAGE OF CROSS KEYS - BALTIMORE MARYLAND 21210		
PROJECT AREA VILLAGE OF HARPER'S CHOICE SECTION 4 SWANSFIELD AREA		
PROJECT TITLE STORM DRAIN PROFILES		
Des By	TS	Scale: VERT. 1" = 5'
Drn By	ET	Date: JUNE 28 1968
Chk By	J.D.	Approved
		Dwg No 17 of 20 C.C.F. No

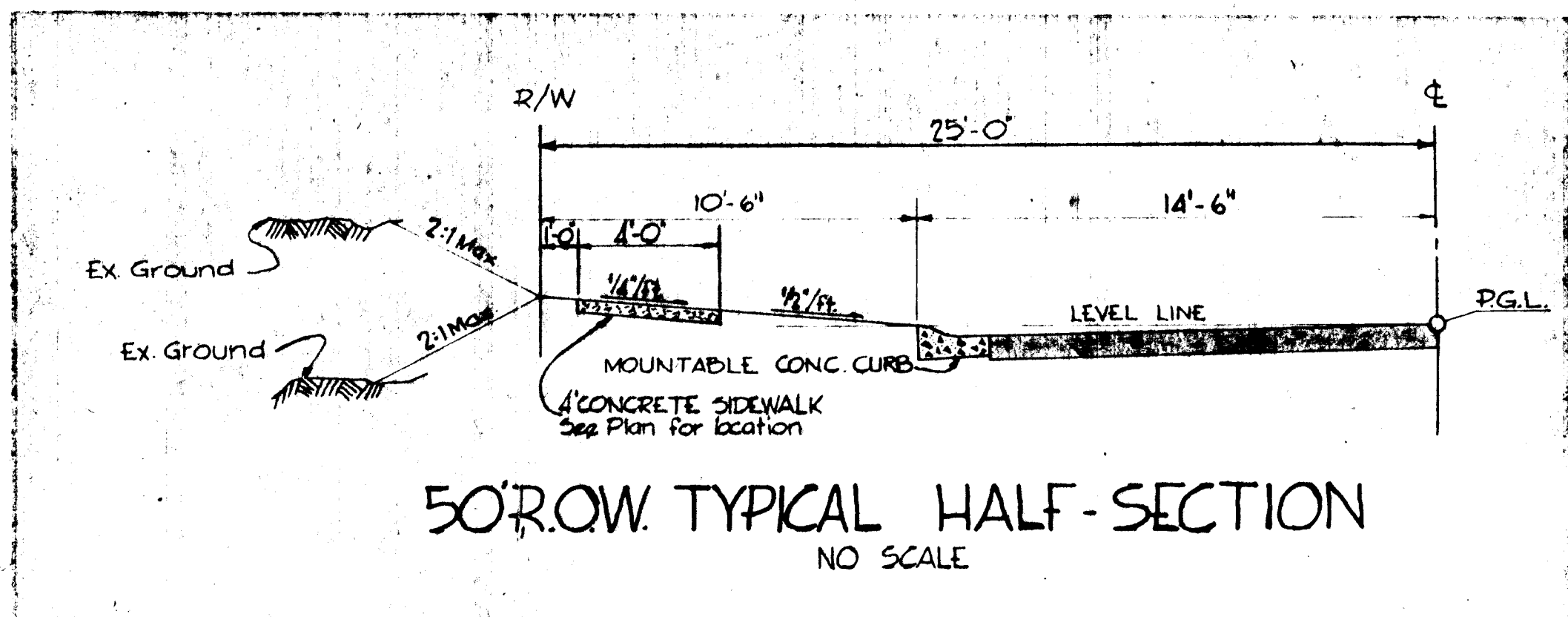
F-68-49



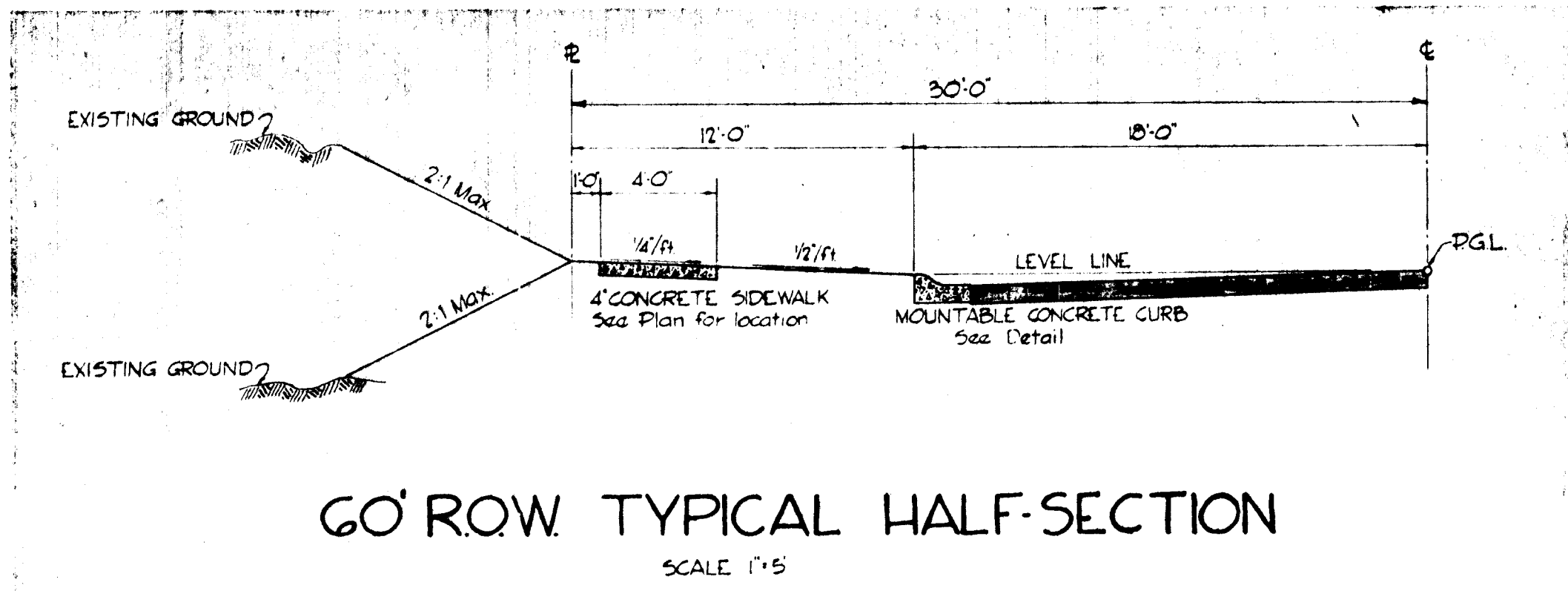
APPROVED
 PLANNING COMMISSION
 DATE OCT 13 1968
J. J. [Signature]

BROWNE-PANDULLO & ASSOCIATES ENGINEERS COLUMBIA, MARYLAND		
Rev Date	Rev No	Revision Description
COLUMBIA		
5 TH ELECTION DISTRICT - HOWARD COUNTY		
OWNER AND DEVELOPER HOWARD RESEARCH AND DEVELOPMENT CORP. THE VILLAGE OF CROSS KEYS - BALTIMORE, MARYLAND 21210		
PROJECT AREA VILLAGE OF HARPER'S CHOICE SECTION 4 SWANSFIELD AREA 1		
PROJECT TITLE STORM DRAIN PROFILES		
Des By	T.S.	Scale 1" = 10'
Drn By	F.T.	Date JUNE 26 1968
Chk By	J.D.	Approved
Dwg No	18 of 20	
C.C.F. No		

F-68-49



50' ROW TYPICAL HALF-SECTION
NO SCALE



60' ROW TYPICAL HALF-SECTION
SCALE 1/2"=1'-0"

BITUMINOUS CONCRETE SURFACE	3/4"	BAND C-3 FINAL PHASE
BITUMINOUS CONCRETE BINDER	3/4"	BAND A-3
BITUMINOUS CONCRETE BASE PLACED IN ONE COURSE	1 1/2"	BAND C-2 OR G-3 FIRST PHASE

CLEARING AND GRADING ARTICLE C-1
SUBGRADE ARTICLE C-2
BASE COURSE ARTICLE C-31 OR C-35
BINDER COURSE ARTICLE C-31
SURFACE COURSE ARTICLE C-31

NOTE:
PAVEMENT TO BE CONSTRUCTED IN ACCORDANCE
WITH THE HOWARD COUNTY ROAD CONSTRUCTION
CODE AND SPECIFICATIONS DWG-D-113 PG 165

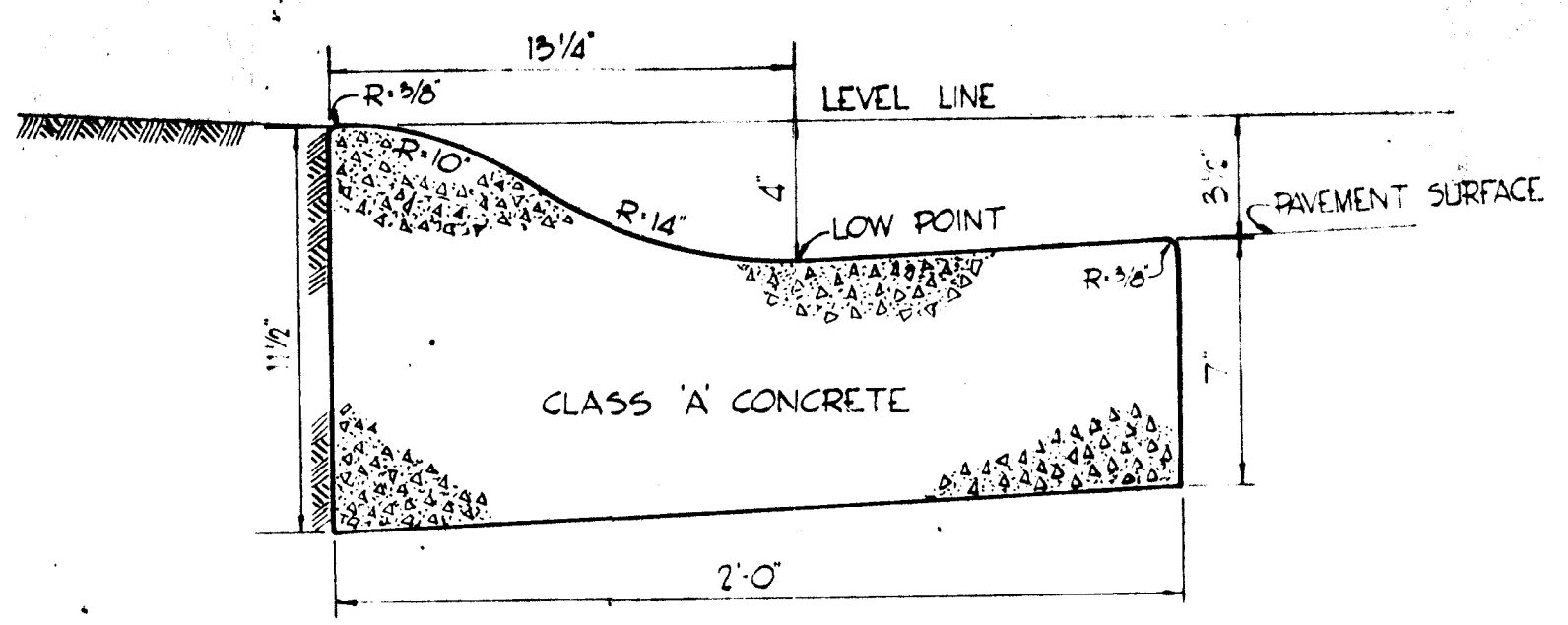
8" PAVEMENT DETAIL
NO SCALE

BITUMINOUS CONCRETE SURFACE	3/4"	BAND C-3 FINAL PHASE
BITUMINOUS CONCRETE BASE PLACED IN ONE COURSE	1 1/2"	BAND C-2 OR G-3 FIRST PHASE

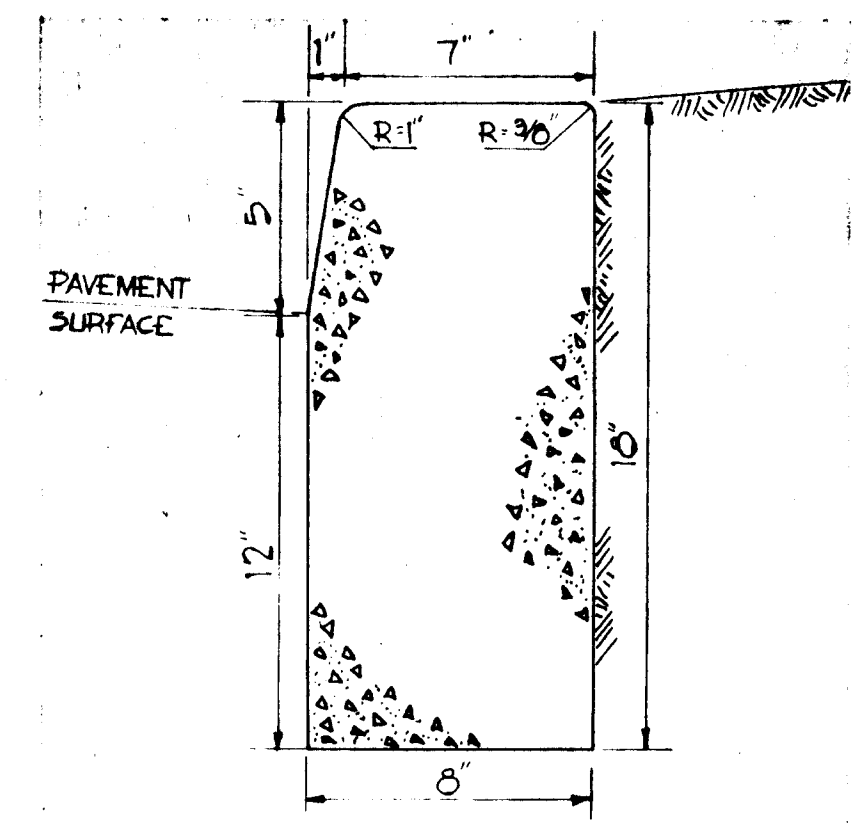
CLEARING AND GRADING ARTICLE C-1
SUBGRADE ARTICLE C-2
BASE COURSE ARTICLE C-31 OR C-35
SURFACE COURSE ARTICLE C-31

NOTE:
PAVEMENT TO BE CONSTRUCTED IN ACCORDANCE
WITH THE HOWARD COUNTY ROAD CONSTRUCTION
CODE AND SPECIFICATIONS DWG-D-113 PG 165

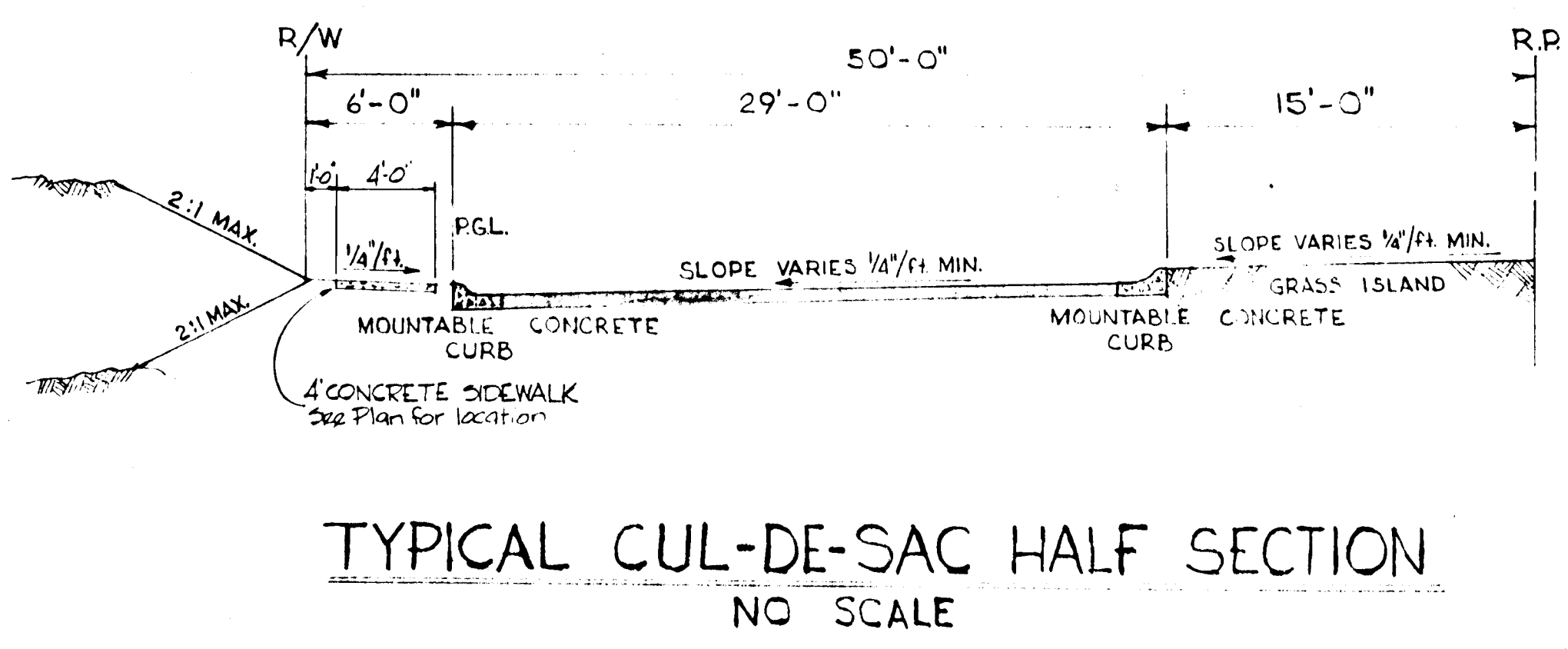
6 1/2" PAVEMENT DETAIL
NO SCALE



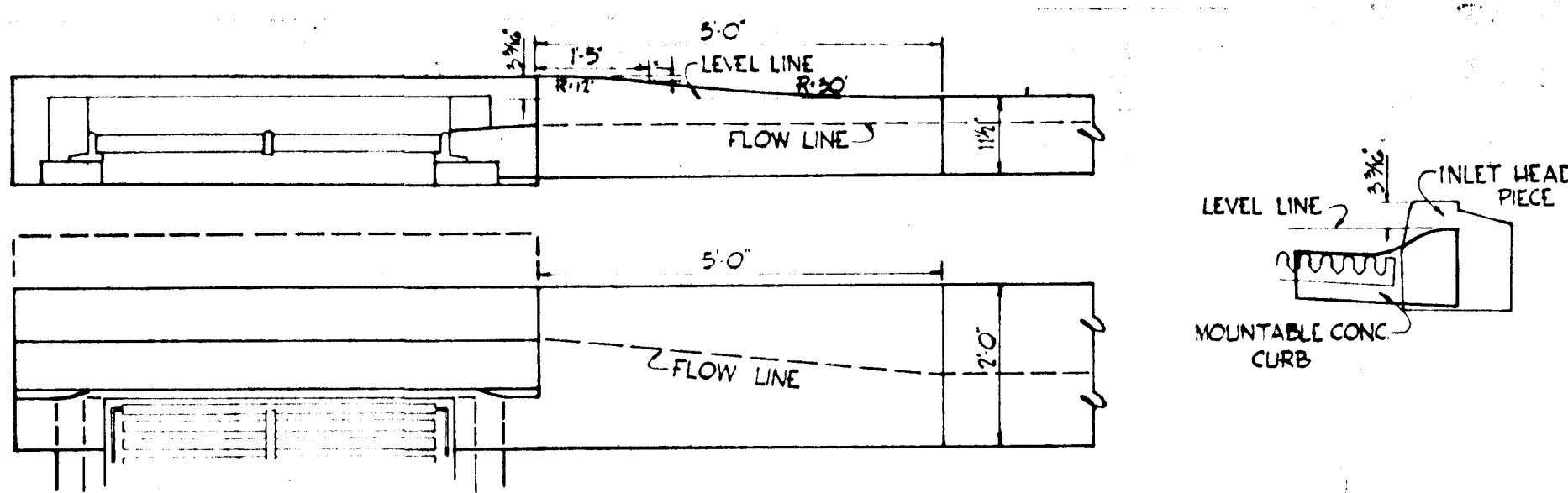
MOUNTABLE CONCRETE CURB
NO SCALE



VERTICAL CONCRETE CURB
NO SCALE



TYPICAL CUL-DE-SAC HALF SECTION
NO SCALE

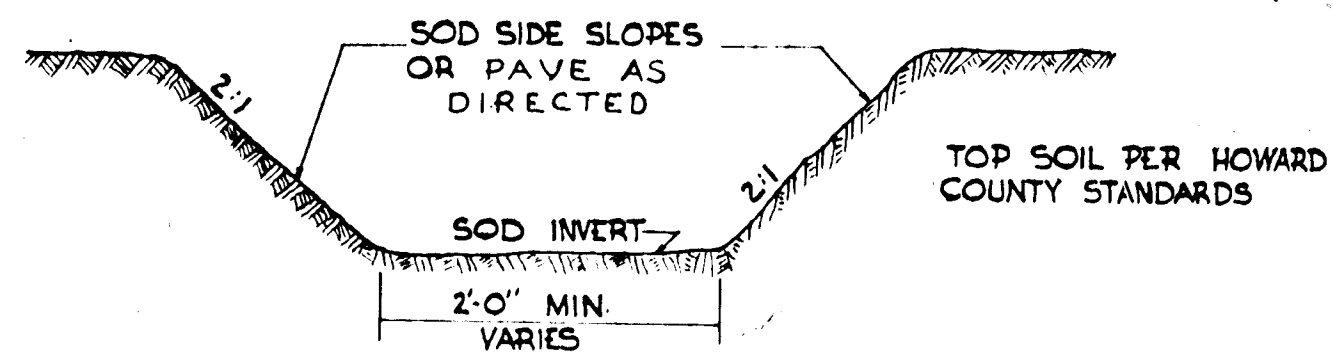


CURB TRANSITION
MOUNTABLE CURB TO INLET HEAD PIECE

APPROVED
PLANNING COMMISSION
OF HOWARD COUNTY
DATE OCT 13 1968
J. J. [Signature]

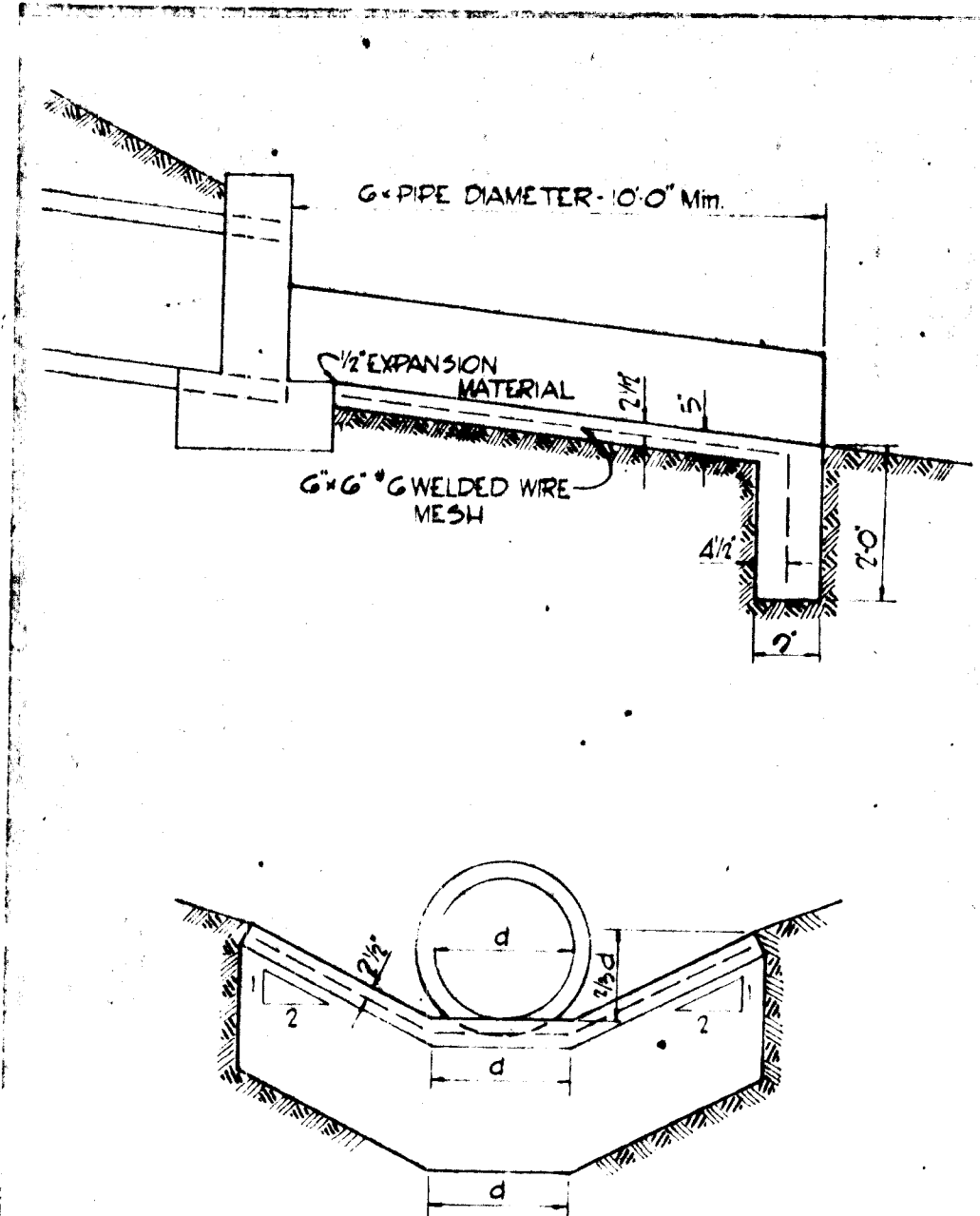
BROWNE-PANDULLO & ASSOCIATES ENGINEERS COLUMBIA, MARYLAND		
Rev Date	Rev No	Revision Description
COLUMBIA 5 TH ELECTION DISTRICT - HOWARD COUNTY OWNER AND DEVELOPER HOWARD RESEARCH AND DEVELOPMENT CORP. THE VILLAGE OF CROSS KEYS - BALTIMORE MARYLAND 21210		
PROJECT AREA VILLAGE OF HARPER'S CHOICE SECTION 4 SWANSFIELD AREA I		
PROJECT TITLE ROADWAY DETAILS		
Des By T.S.	Scale AS SHOWN	Dwg No 19 OF 20
Drn By J.B. E.F.T.	Date JUNE 28, 1968	C.C.F. No
Chk By B.A.	Approved	

F-68-47

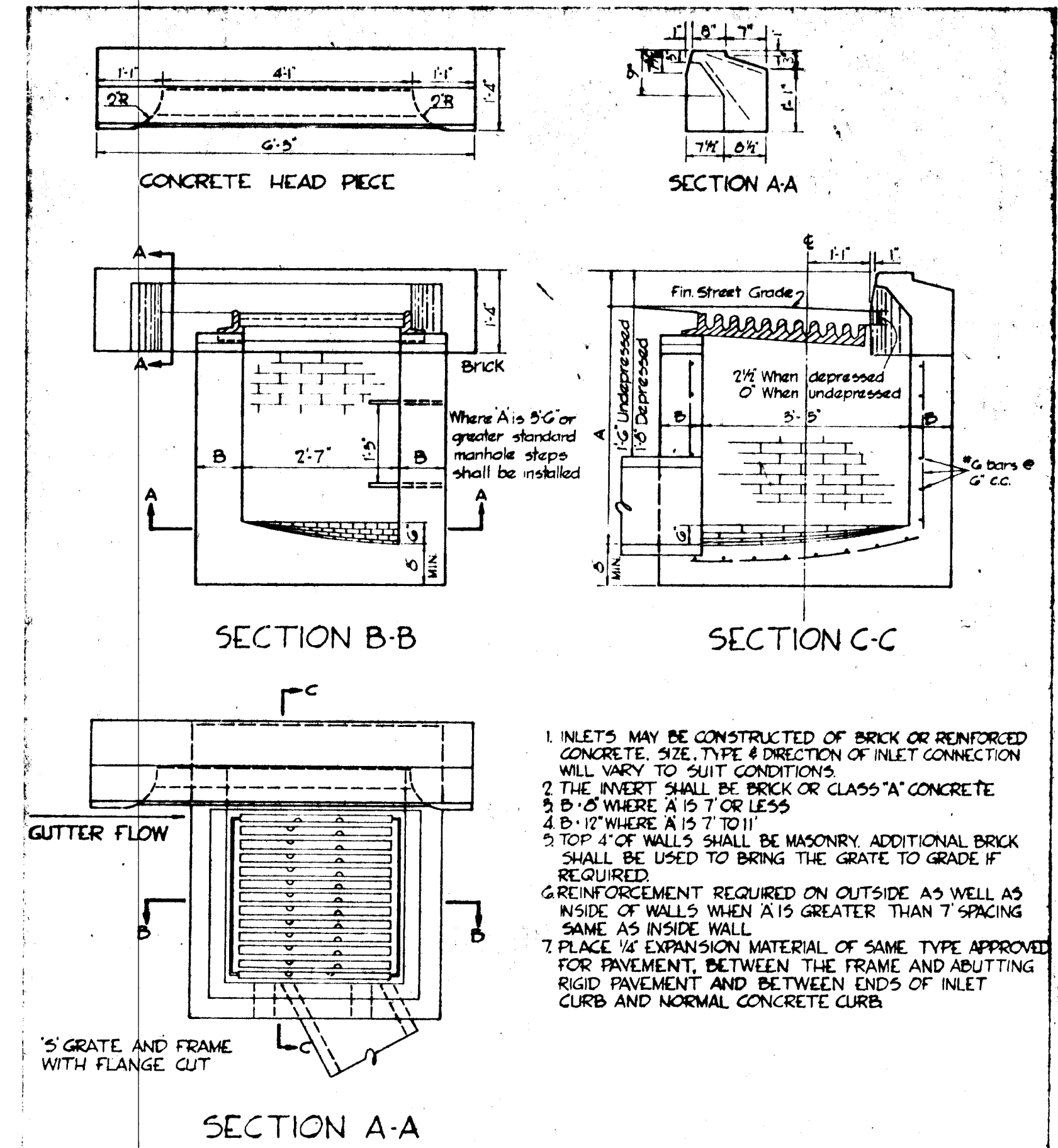


NOTE: ALL EXISTING DITCHES APPROACHING PROPOSED ENDWALLS SHALL BE TRIMMED IN ACCORDANCE WITH ARTICLE 6-6 OF THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND STANDARD SPECIFICATIONS.

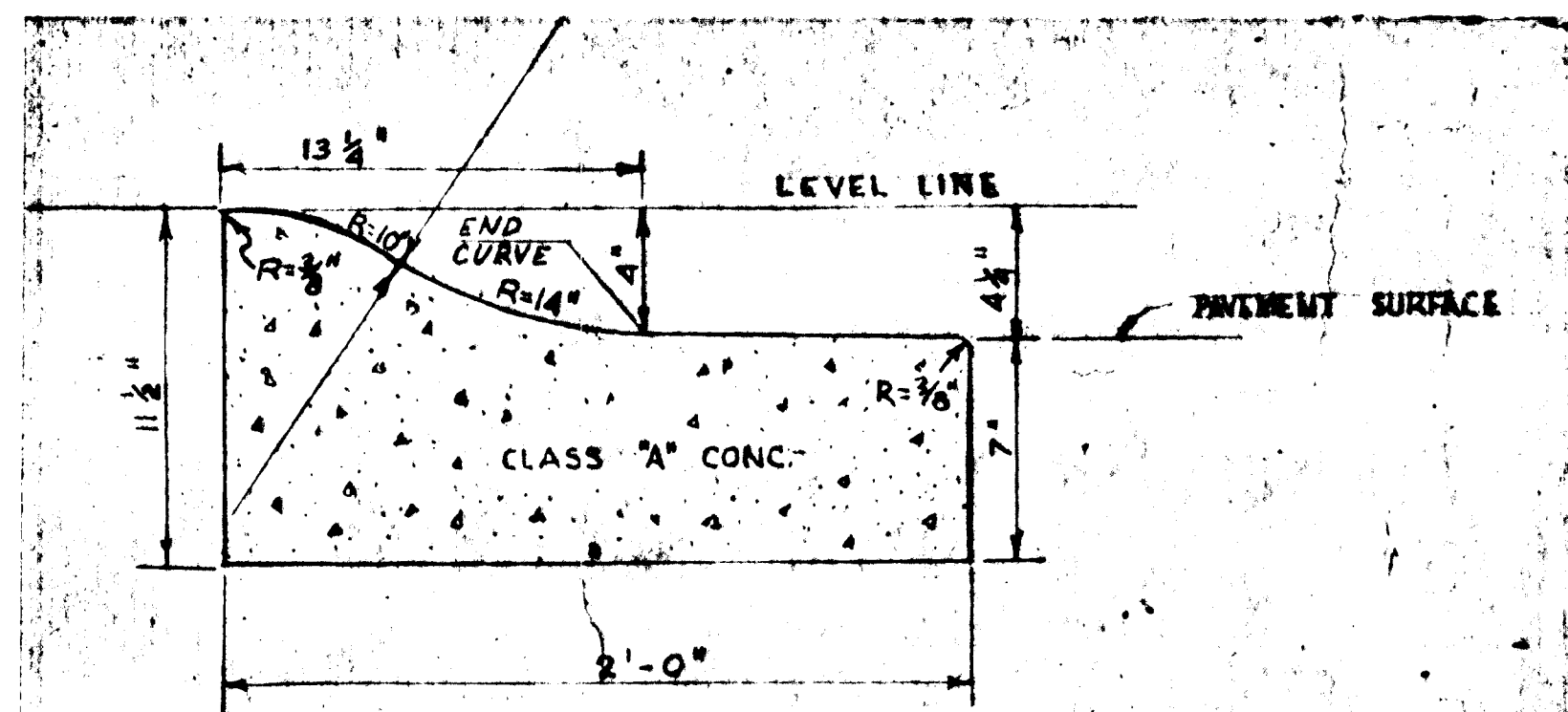
TYPICAL DRAINAGE DITCH
NO SCALE



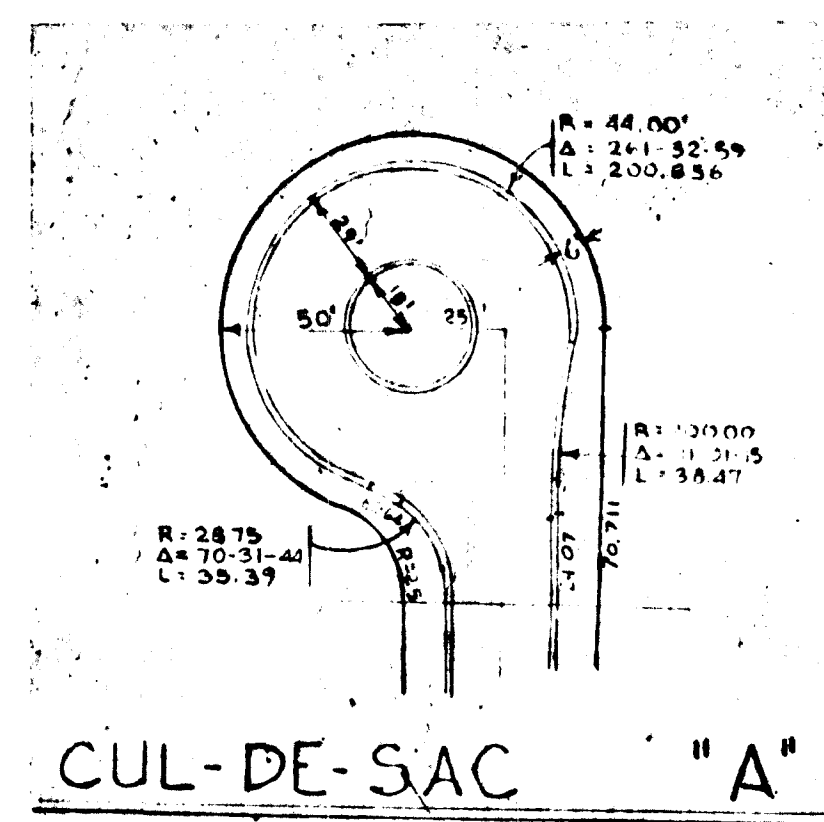
TYPICAL CONCRETE CHANNEL AND CUTOFF WALL
NO SCALE



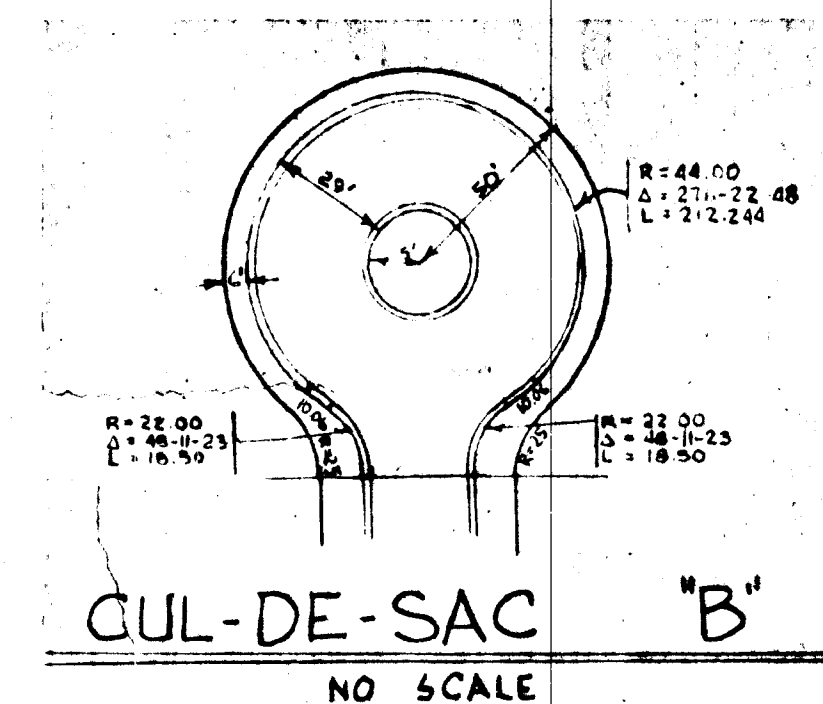
MODIFIED 'S' COMBINATION INLET
NO SCALE



MOUNTABLE CURB & GUTTER FOR CUL-DE-SAC ISLANDS
NO SCALE



CUL-DE-SAC "A"
NO SCALE



CUL-DE-SAC "B"
NO SCALE

APPROVED
PLANNING COMMISSION

DATE OCT 18 1968

J.R.C.

BROWNE-PANDULLO & ASSOCIATES		
ENGINEERS COLUMBIA, MARYLAND		
Rev Date	Rev No	Revision Description
COLUMBIA		
5 TH ELECTION DISTRICT - HOWARD COUNTY		
OWNER AND DEVELOPER HOWARD RESEARCH AND DEVELOPMENT CORP. THE VILLAGE OF CROSS KEYS - BALTIMORE, MARYLAND 21210		
PROJECT AREA VILLAGE OF HARPER'S CHOICE SECTION 4, SWANFIELD AREA 1		
PROJECT TITLE ROADWAY DETAILS		
Des By T.S.	Scale AS SHOWN	Dwg No 20 of 20
Drn By J.B. & F.T.	Date JUNE 28 1968	C.C.F. No
Chk By B.A.	Approved	

F-68-49