

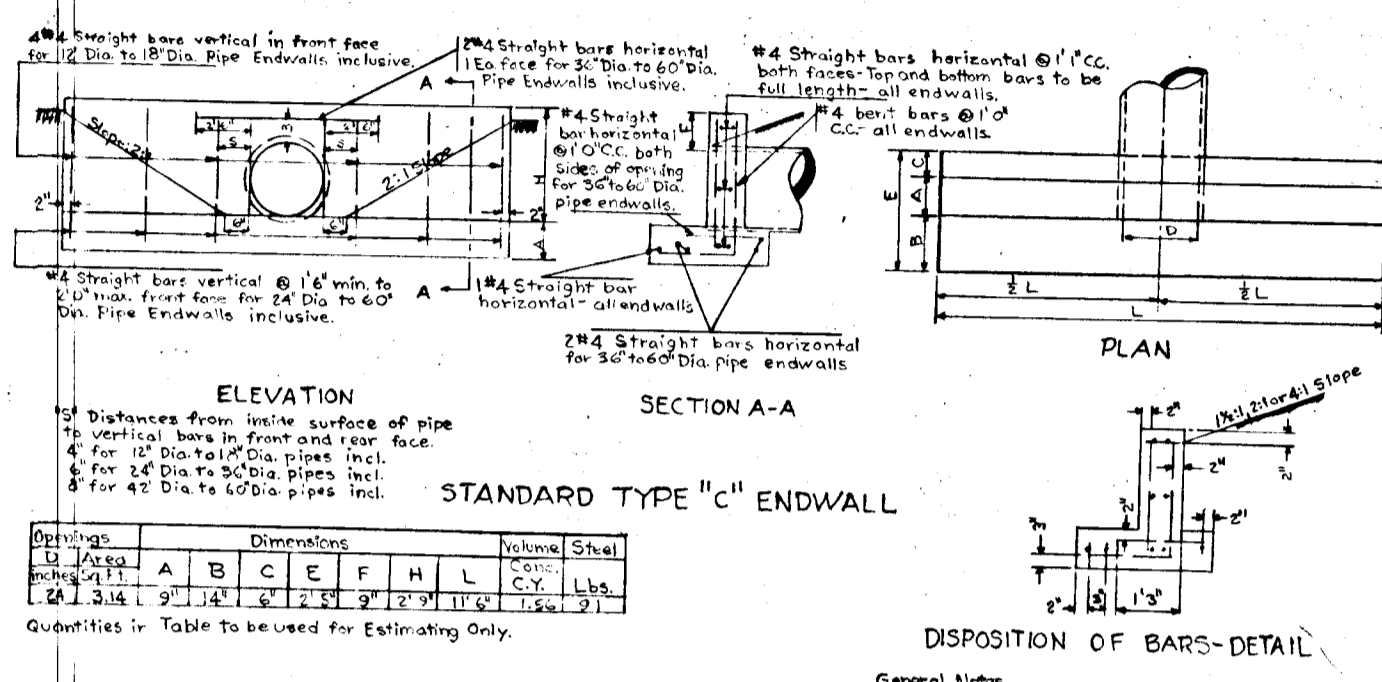
Ellicott Manor Apartments
DRAINAGE MAP
Scale: 1"=200 ft

STORM DRAINAGE COMPUTATIONS 10YR. FREQUENCY*

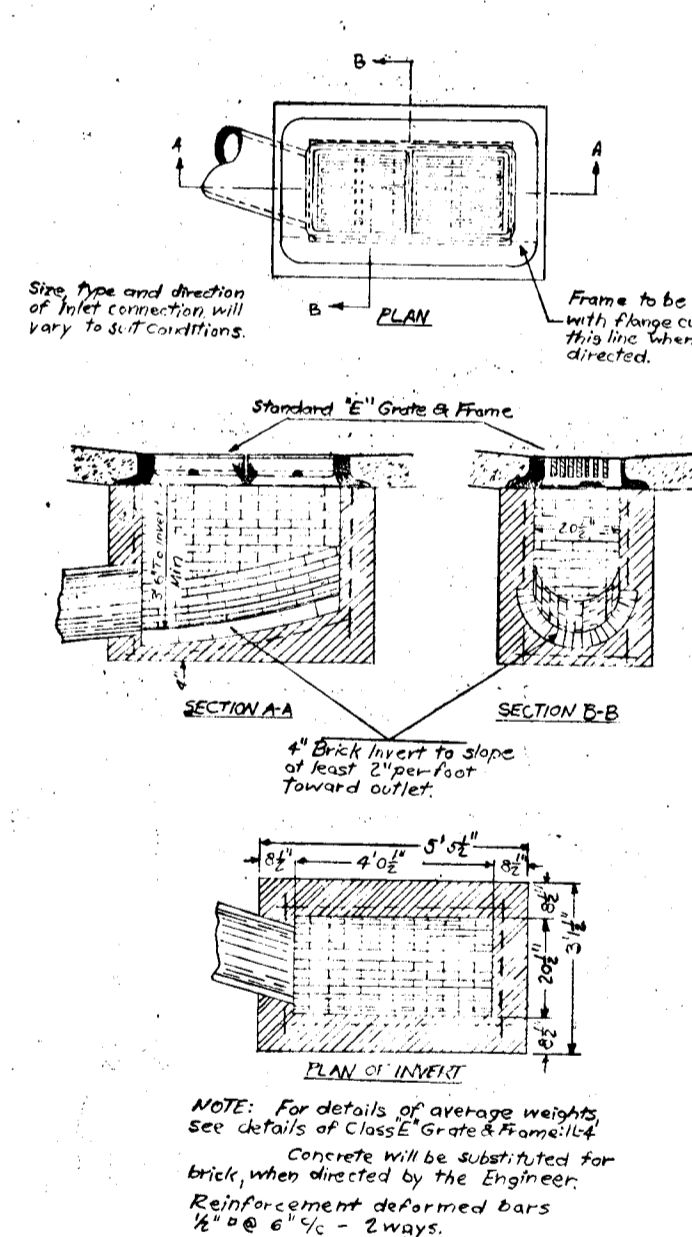
Location	Area	Acres	Coeff	CA	ZCA	Time Conc	Min	Inlet	Qcfs	Pipe n=0.014	REMARKS
From To	Sym	Sub Total	C			Inlet	Drain	Total L	CA L	Size Slope Vel Lgth	
I-6	M-3	A	1.5	0.62	0.93	8	8	6.4	5.9	15" 0.95 4.7	A2
I-5	M-3	B	1.6	0.62	0.99	8	-	6.4	6.3	15" 1.1 5.0	A2
M-3	M-2	A+B	3.1			1.92	8	8	6.4	12.3 18" 1.55 6.0	350
I-3	M-2	C	0.8	0.64	0.51	6	-	6	6.9	3.5 15" 0.33 2.0	A2
I-4	M-2	D	0.7	0.64	0.45	6	-	6	6.9	3.1 15" 0.24 2.5	A2
M-3	M-2	A,B,C,D	4.6			2.88	8	1	9	6.2 17.9 24" 0.70 5.5	95
I-2	M-1	E	0.4	0.66	0.26	5	-	5	7.0	1.8 15" 0.07 1.4	52
M-1	I-1	A to E	5.0			3.14	9	0.3	9.3	6.2 19.5 24" 0.32 6.1	55
I-1	I-1	F	0.2	0.62	0.12	5	-	5	5	24" 0.16 0.2	
outfall	A to F	5.20				3.26	9.3	0.2	9.5	24" 0.16 0.2	70 20yr*

Concrete Flume

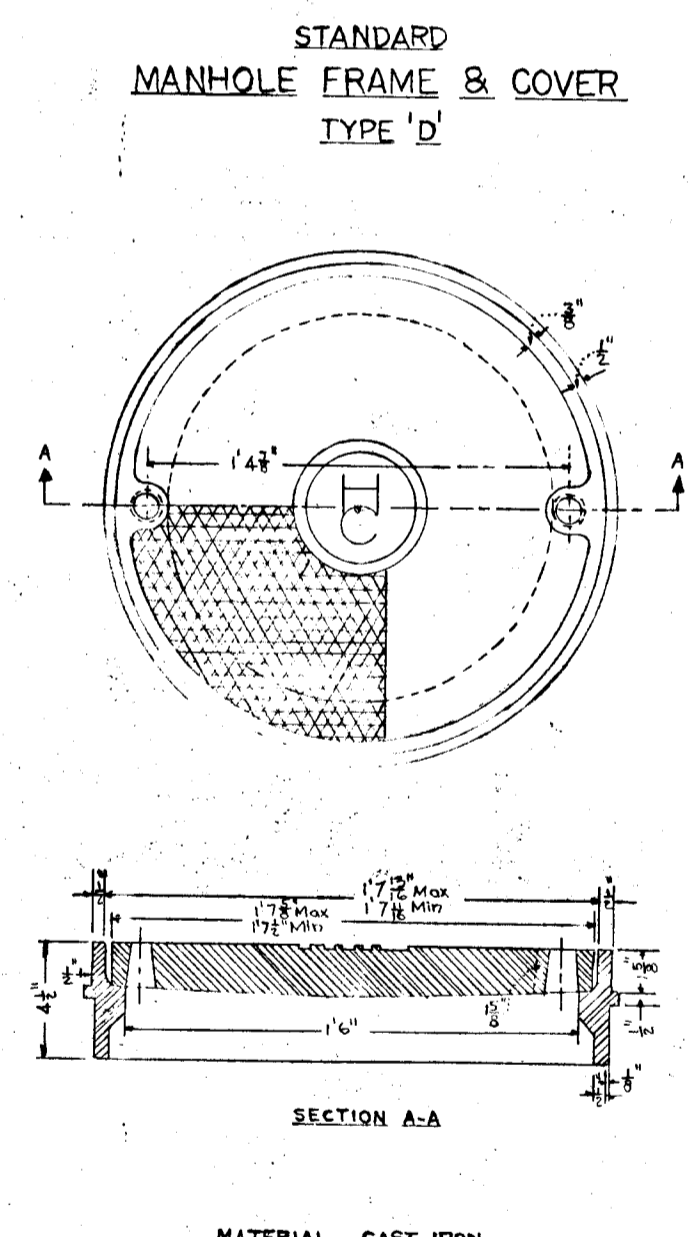
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OF HOWARD COUNTY



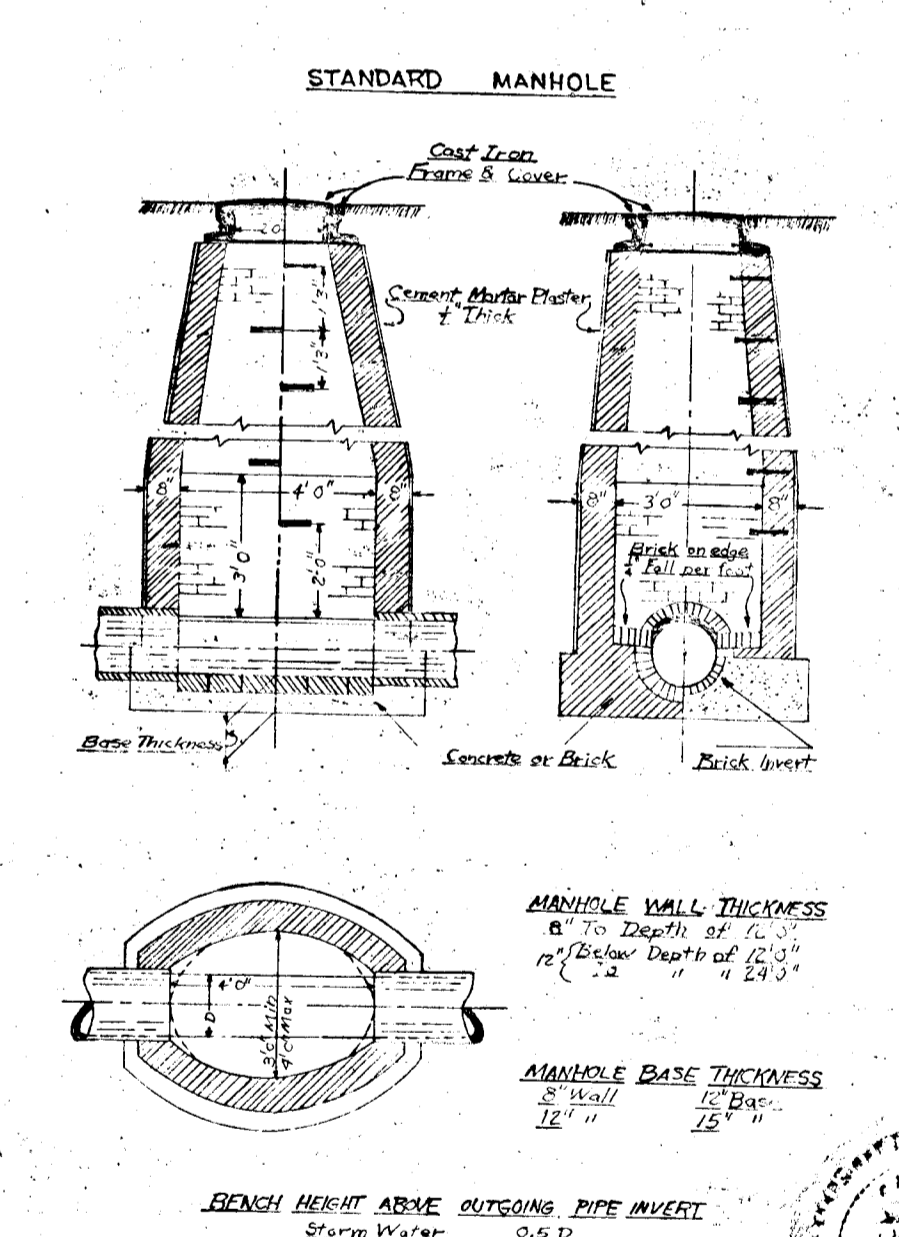
Howard County Standard Type "C" Endwall
DRAWING D-52 Page 107



Howard County Standard Class "E" Inlet
DRAWING D-67 Page 122



Howard County Standard Manhole Frame and Cover Type "D"
DRAWING D-106 Page 151



Howard County Standard Manhole
DRAWING D-103 Page 158

APPROVED DATE

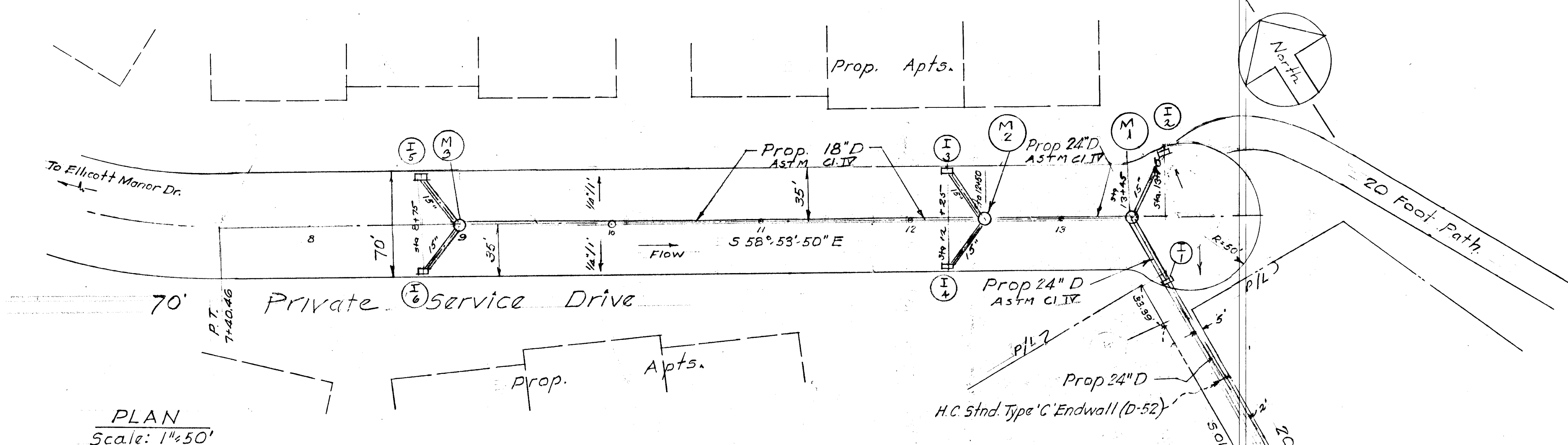
J. H. Clawson 4-14-66
SENIOR ENGINEER PLANNING COMM

Harmon S. Gneill 4-4-66
COUNTY ROADS SUPERINTENDENT

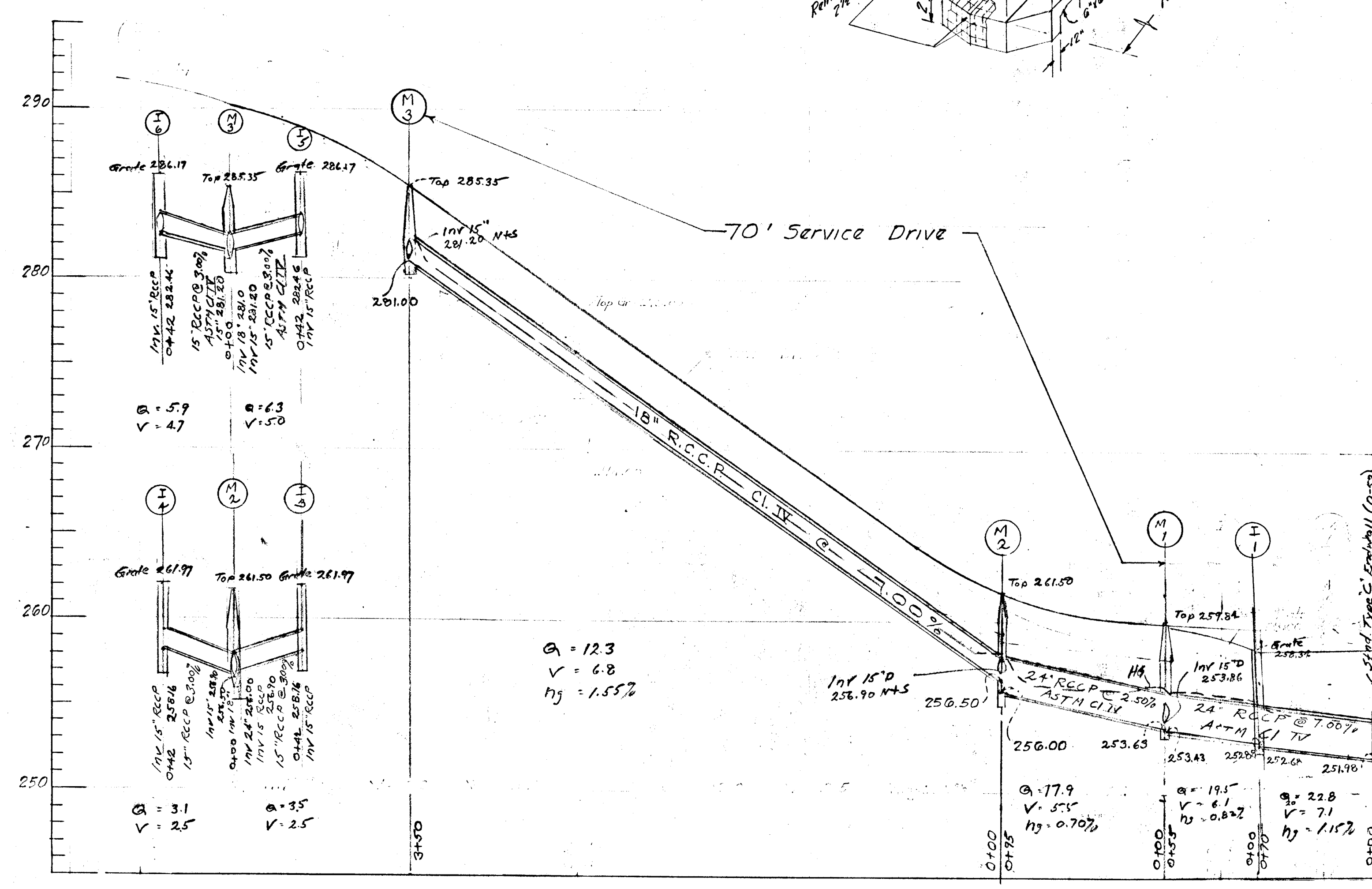
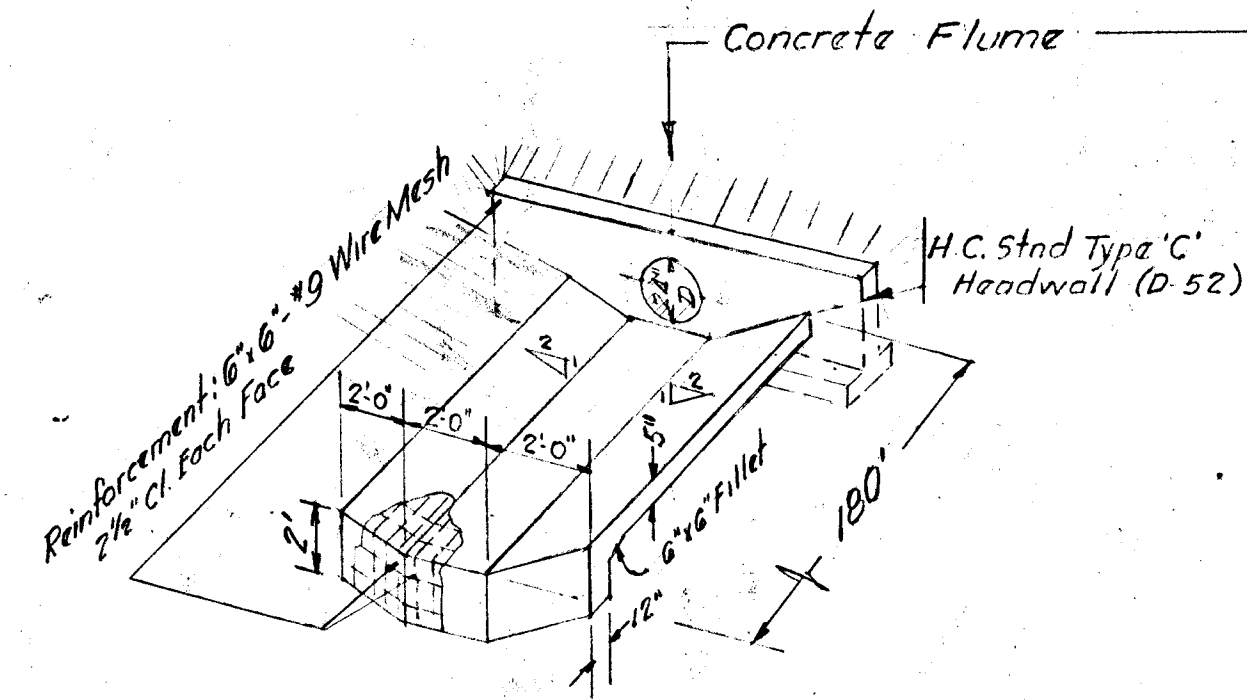
W. F. Hubert 4-15-66
METROPOLITAN COMMISSION CHIEF ENGR

STORM DRAINAGE PLANS
ELICOTT MANOR APARTMENTS

Second Election District Howard County, Md.
SAMUEL M. PISTORIO, Turf Valley Ellicott City, Md.
Scales: As Noted August 18, 1965
W. Lloyd Wallace Surveyor & CIVIL ENGR
3205 The Alameda Reg # 63
Baltimore, Md 21218 W. Lloyd Wallace

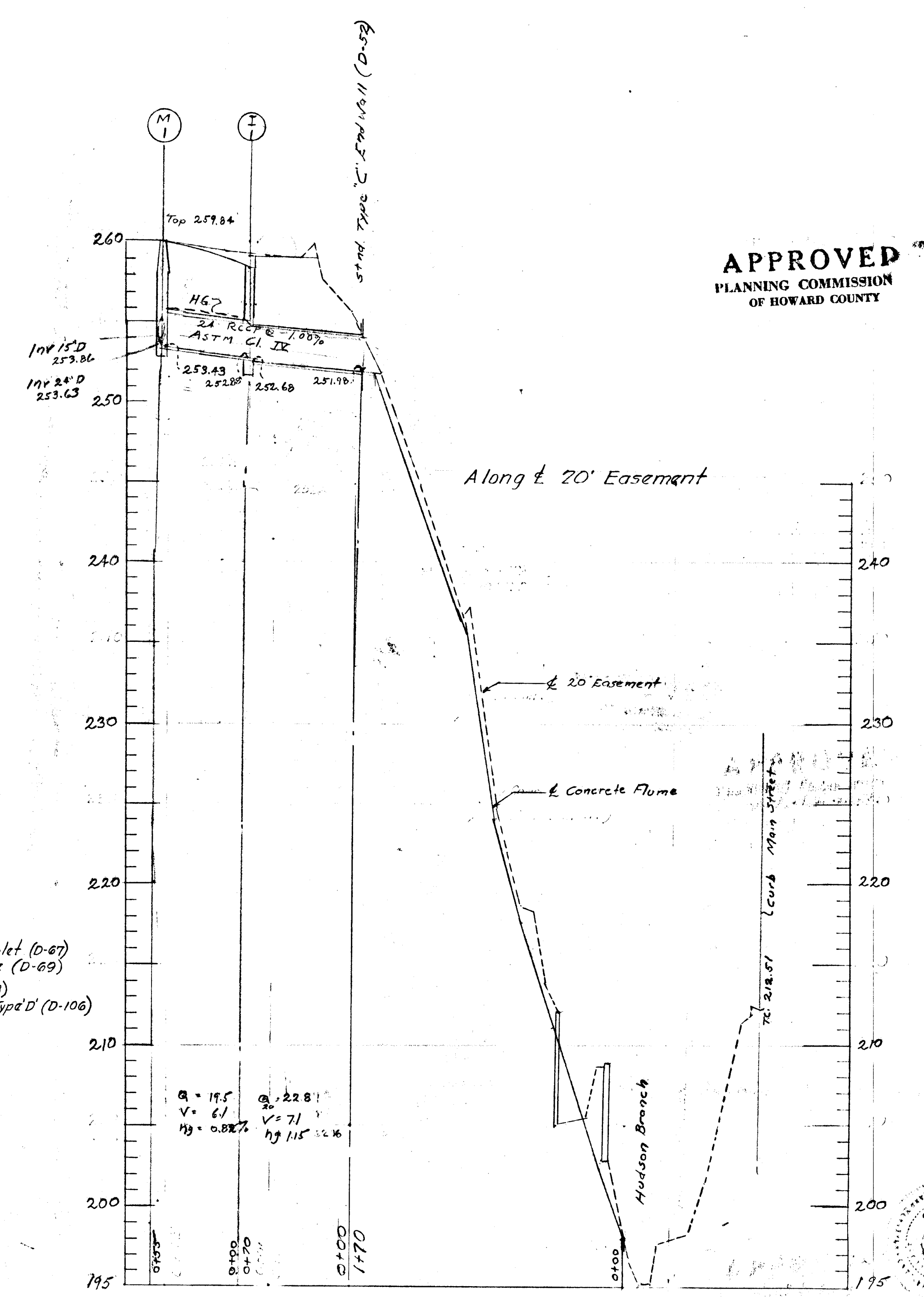


PLAN
Scale: 1"=50'



PROFILE: Scale: Hor: 1"=50'
Vert: 1"=5'

NOTE: All Inlets - H.C. Std. Class "E" Inlet (D-67)
with Std. Cl. "E" Grate & Frame (D-69)
Manholes - H.C. Std. Manhole (D-103)
with Std. MH frame & cover Type "D" (D-106)

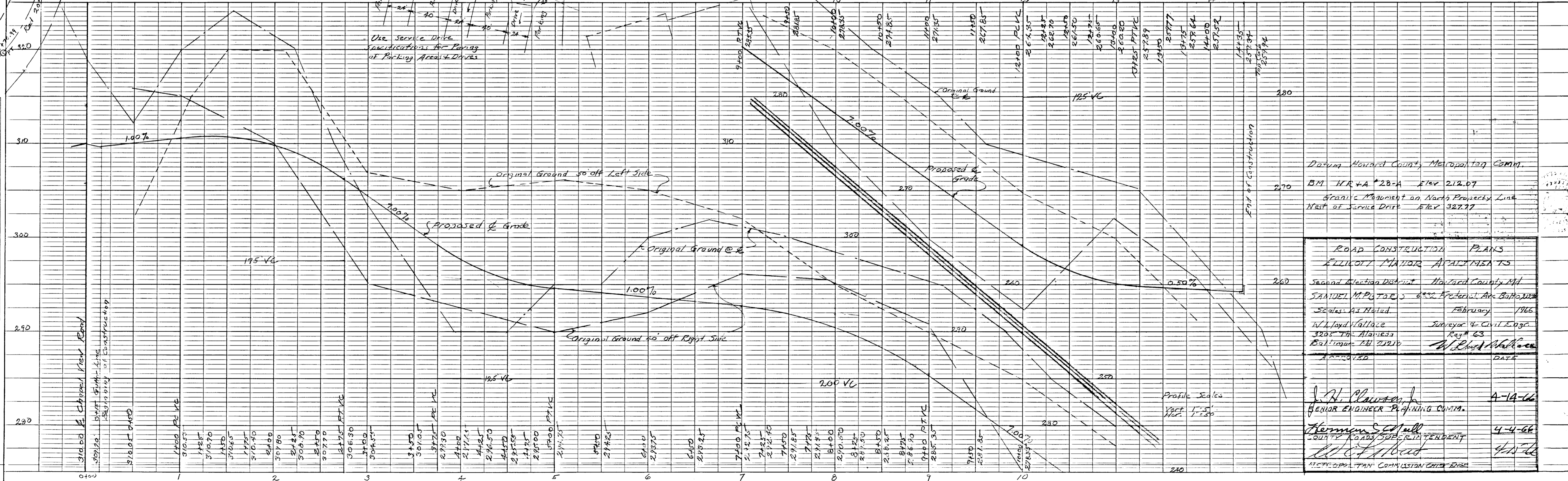
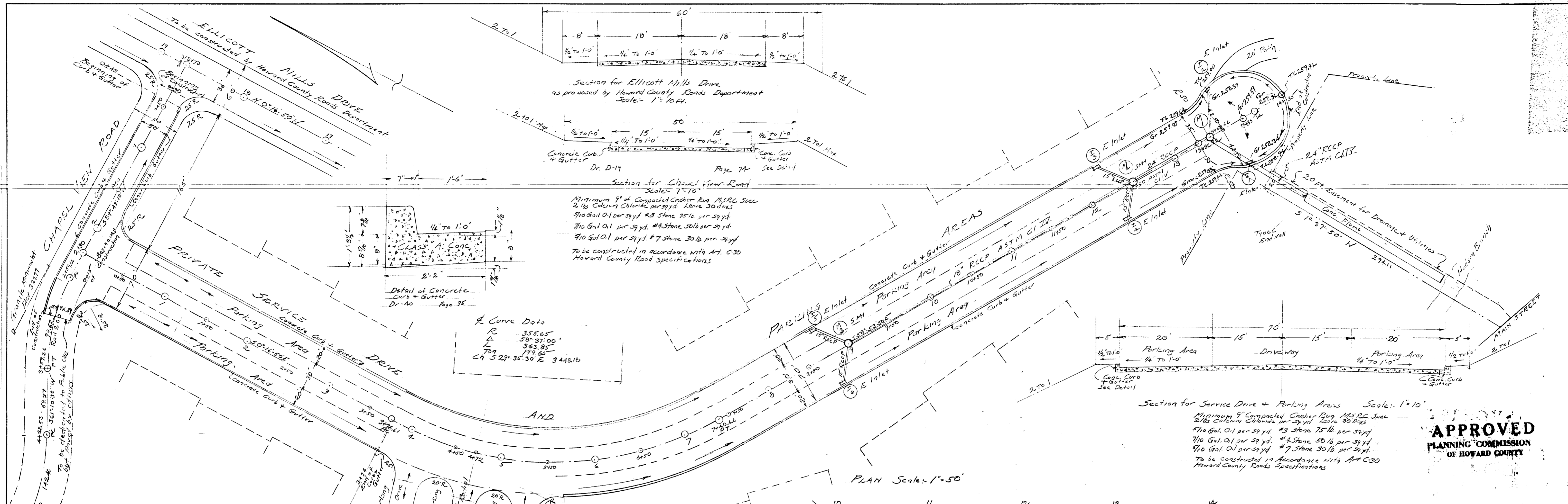


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PLANNING COMMISSION
OF HOWARD COUNTY

APPROVED	DATE	STORM DRAINAGE PLANS
<i>J.H. Clawson</i> SENIOR ENGINEER OF PLANNING COMM.	4-14-66	ELLICOTT MANOR APARTMENTS
<i>Herman S. Mull</i> HOWARD COUNTY BOARD SUPERVISOR	4-4-66	Second Election District Howard County, Md
<i>W. Lloyd Wallace</i> Metropolitan Commission Civil Engineer	4-15-66	SAMUEL M. PISTORIO - Turf Valley, Ellicott City, Md
		Scale: As Noted August 18, 1965
		W. Lloyd Wallace 3205 The Alameda Baltimore, Md 21218
		Surveyor & Civil Engineer Reg. # 63

PLAN
 DRAWN BY: [Name]
 PLOTTED: [Date]
 NOTE BOOK: [Number]
 ALIGNMENT CHECKED: [Initials]
 RT. OF WAY CHECKED: [Initials]
 NO.:

PROFILE
 DRAWN BY: [Name]
 PLOTTED: [Date]
 NOTE BOOK: [Number]
 GRADES CHECKED: [Initials]
 STRUCTURE NOTING CHECKED: [Initials]
 NO.:



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 PLANNING COMMISSION
 OF HOWARD COUNTY

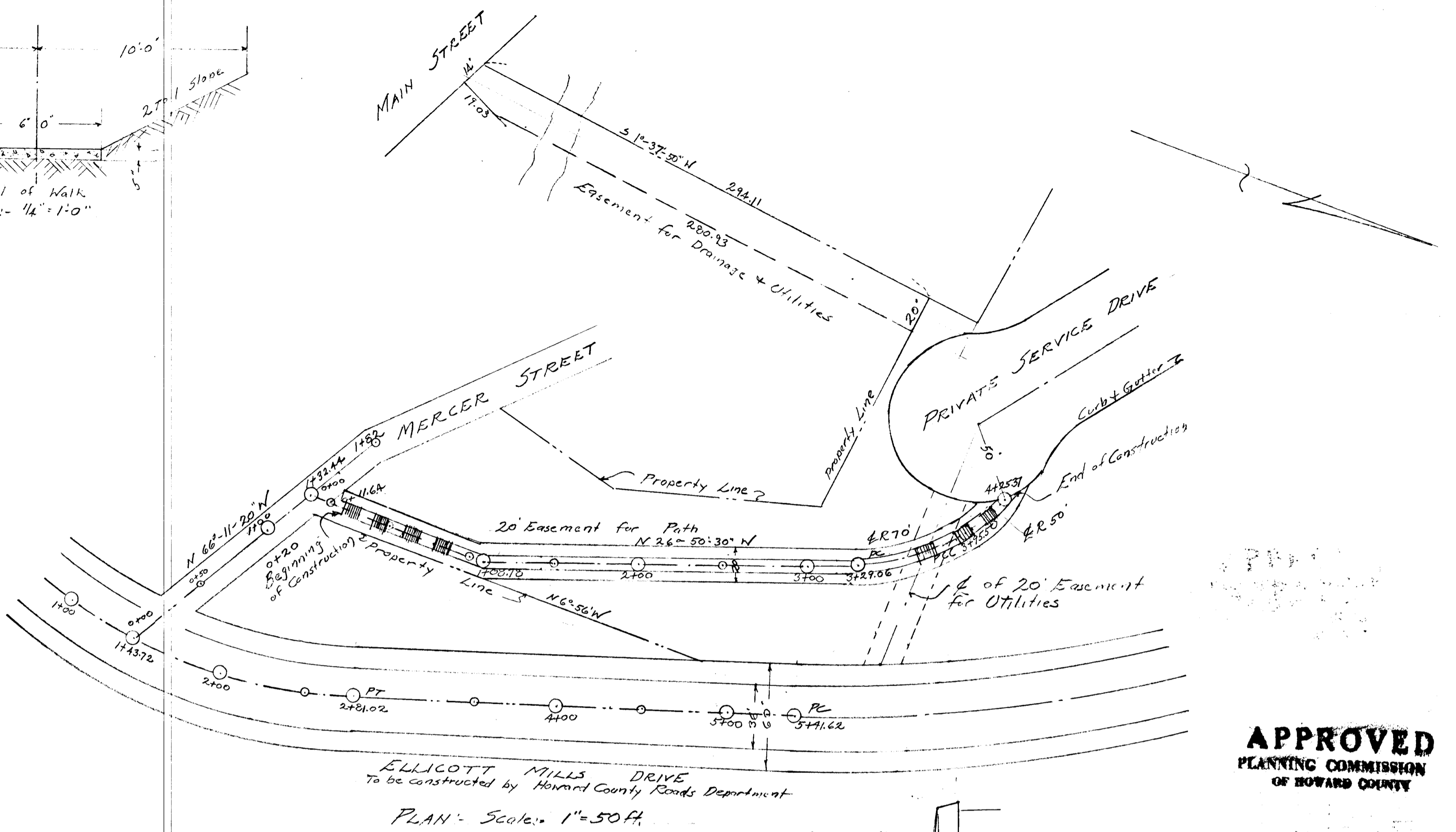
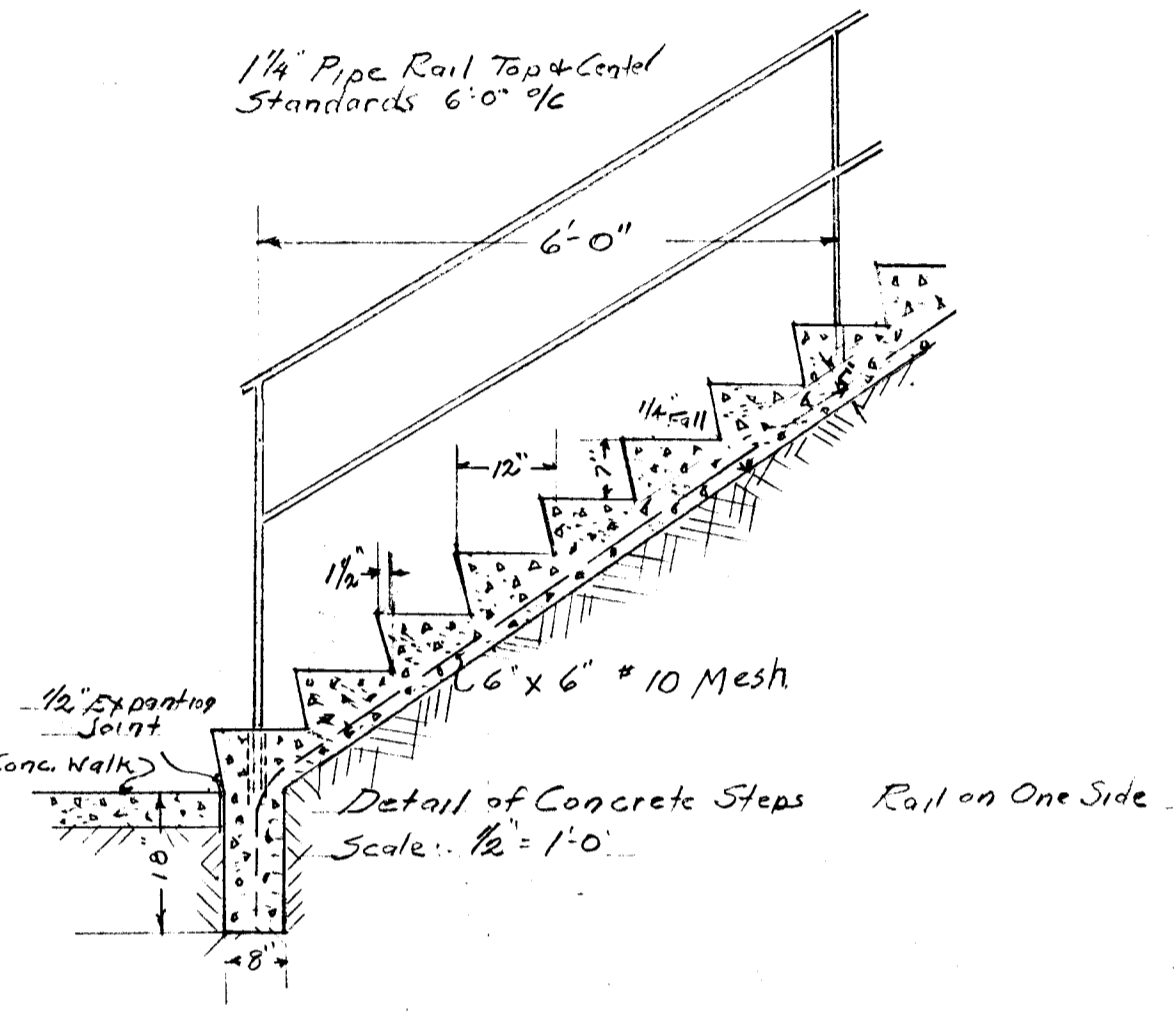
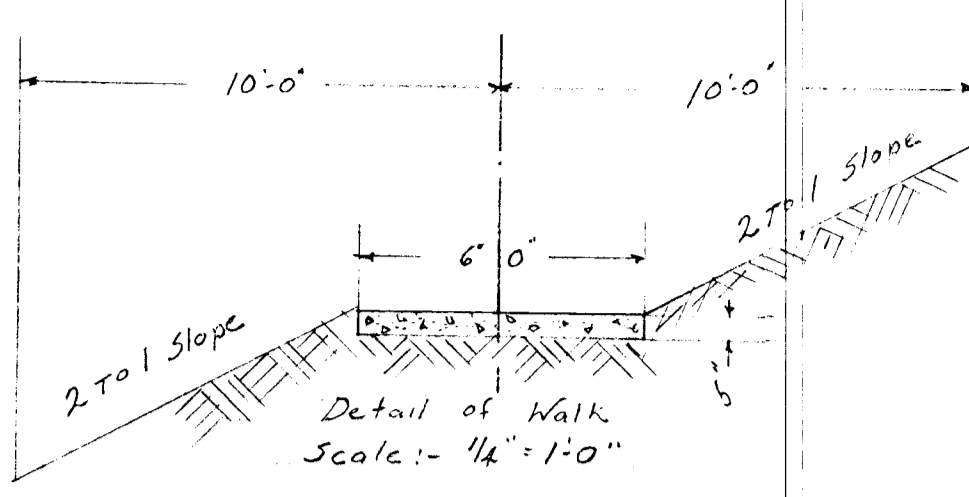
Drawing Howard County Metropolitan Comm.
 13M HR VA #28-A Elev 212.07
 Strategic Alignment on North Property Line
 West of Service Drive Elev 327.97

ROAD CONSTRUCTION PLANS
ELLCOTT MAJOR APARTMENTS
 Second Election District Howard County Md
 SANDER M. POTTS, 6322 Federal Ave Baltimore
 Scales: As Noted February 1966
 W. Lloyd Wallace, Surveyor & Civil Engr.
 3205 The Alameda, Reston, VA
 Baltimore Md 21210
 APPROVED: [Signature] DATE: 4-14-66

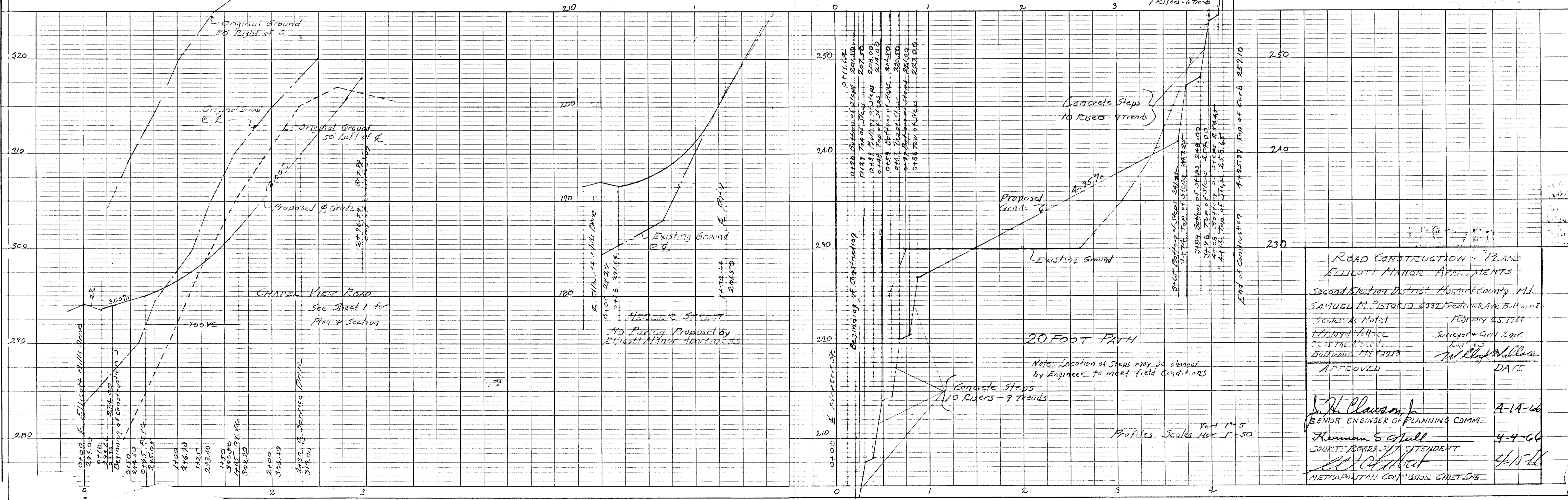
HERMAN S. FULL
 COUNTY ROADS SUPERINTENDENT
 [Signature]
 METROPOLITAN PLANNING COMMISSION CHECK ENGINEER
 DATE: 4-14-66

DATE: _____ BY: _____
 PLAN NO. _____

DATE: _____ BY: _____
 PROFILE NO. _____



APPROVED
 PLANNING COMMISSION
 OF HOWARD COUNTY



ROAD CONSTRUCTION PLANS
 ELLCOTT MAJOR APARTMENTS
 Second Section District Howard County, Md.
 SAMUEL M. PISTORIO 6332 FREDERICK AVE BETHESDA
 SCALE: AS NOTED FEBRUARY 25 1966
 MARY W. HALLER Survey & Civil Eng.
 201 The Heights BETHESDA, MD 20814
 APPROVED DATE: 4-14-66
 J. H. Clawson, Jr. SENIOR ENGINEER OF PLANNING COMM. 4-4-66
 JOINT: ROBERT J. ATTENDENT 4-5-66
 METROPOLITAN COMMISSION CHIEF ENG.