

TYPICAL CHANNEL SECTION STA 18+ TO 10+
SCALE: 1"=10'

TYPICAL CHANNEL SECTION STA. 27+ TO 19+
SCALE: 1"=10'

Sta. 24+ to 27+			Sta. 18+65 - 10+00		
A: 135 sq.ft.	n: .04	Qp: 865.1 cfs.	A: 168 sq.ft.	n: .04	Qp: 1220.6 cfs.
P: 46.7 ft.	K: 37.2	V: 5.4 ft/sec.	P: 48.2 ft.	K: 37.2	V: 7.5 ft/sec.
D: 2.89	S: 0.72%	d: 1.3 ft.	D: 3.49	S: 0.72%	d: 2.0 ft.
D ² : 2.029	S ^{1/2} : .0849		D ² : 2.301	S ^{1/2} : .0849	

CURVE DATA
 $\Delta = 79^{\circ}52'50"$
 $R = 1000.00'$
 $L = 139.42'$
 $T = 83.73'$

- SEDIMENT CONTROL & CRITICAL AREA STABILIZATION**
- 1) GRADING: A. Slope Stabilization - The maximum slope shall be 2:1 and the maximum height shall be 15 feet between benches. (See slope bench detail.)
 B. Earth berms shall be constructed at the top of all cut slopes and along the top of diversion ditches. Concrete outlet channels shall be constructed at the outfall of diversion ditches from slope benches and berms.
 - 2) VEGETATIVE PROTECTION
 A. Lime - Pulverized Dolomitic limestone shall be spread on all graded areas, not prop to be paved @ 2000 lbs/acre, worked into the parent soil with a disc or other mech means to a depth of 6".
 B. Fertilizer - A 10-10-10 Commercial fertilizer shall be applied to graded areas as defined above at the rate of 600 lbs/acre, and worked into the soil immediately following spreading operation to a depth of 6 inches using a disc or other suitable tool.
 C. Seeding - Kentucky 31 tall fescue at the rate of 40 lbs/acre combined with Serenoa Lespedeza (inoculated) at 20 lbs/acre.
 D. Mulching - Mulch uniformly all seeded areas immediately after seeding with small unweathered grain straw or hay at the rate of 14 tons/acre and tie down with Emulsified Asphalt (Rapid Curing R-Site 2) at the rate of .024 gallons/Sq.
 E. Maintenance: All seeded areas which do not show signs of germination within 4 weeks after seeding shall be reseeded, or sodded if necessary.
 F. All debris shall be completely removed from the site.

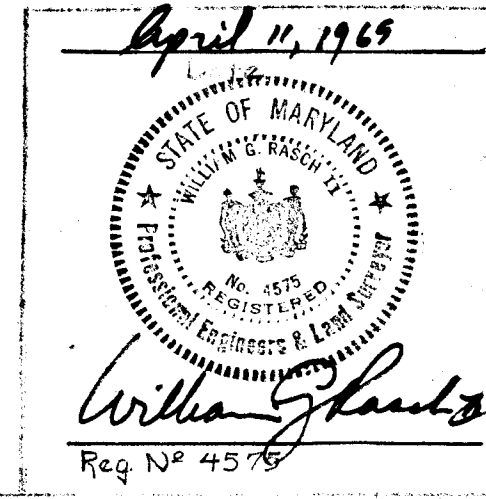
NOTE: DEVELOPER SHALL BE RESPONSIBLE FOR 12 PAVING WITH COMBINATION CONCRETE CURB & GUTTER ALONG EACH SIDE OF THE FRONTAGE ON SOUTH HANOVER ROAD. CONSTRUCTION SHALL BE IN ACCORDANCE WITH HIGHWAY DRWS. PREVIOUSLY PREPARED FOR HOWARD COUNTY IN AS MUCH AS THEY PERTAIN TO PAVEMENT SECTION, LINE, AND GRADE.

OWNER & DEVELOPER
A.G. PARROTT
 LOUDON AVENUE
 ELLFRIDGE, MARYLAND

PURDUM
 AND
JESCHKE
 ENGINEERS AND
 LAND SURVEYORS
 24 PARK AVENUE
 ELLICOTT CITY, MD.

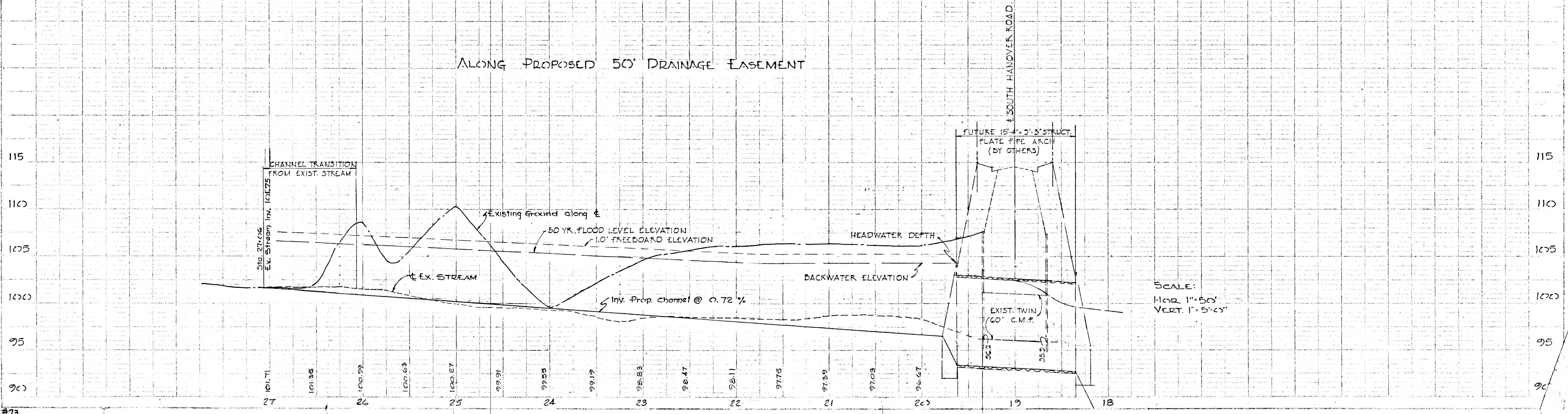
DEPARTMENT OF PUBLIC WORKS
Sherrille N. Mahland 10-23-69
 Chief, Bureau of Highways Date
 OFFICE OF PLANNING & ZONING
J.H. Clawson 10-14-69
 Chief, Engineer Division of Land Development Date

PLAN & PROFILE:
PROPOSED OPEN CHANNEL RELOCATION
A.G. PARROTT
INDUSTRIAL PARK
 1ST ELECTION DISTRICT - HOWARD COUNTY, MD
 MARCH 1969
 REVISION: 2/23/1969
 SCALE: AS SHOWN
 SHEET 1 OF 3



PLAN
 SCALE: 1"=50'

ALONG PROPOSED 50' DRAINAGE EASEMENT

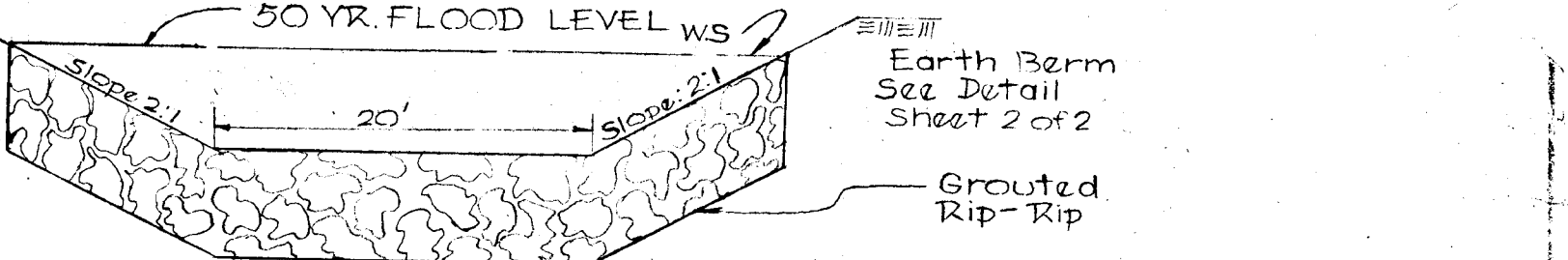


SCALE:
 HOR. 1"=50'
 VERT. 1"=5'-0"

HYDRAULIC DATA										
Area No.	LOCATION	Inch. Acres	Total Acres	C	C-A	Accum. C-A	Time Conc.	In/hr	Q cfs.	REMARKS
A	Sta. 24+ to 27+	343	-	0.44	150.92	-	27.1	5.7	260.2	50 yr. design
B	Stream Spur	109	-	0.57	62.13	-	20.0	6.5	403.8	"
A+B	Sta. 19+ to 24+	-	452	0.47	-	213.05	28.0	5.7	1210.5	"
C		47	-	0.51	23.97	-	17.5	6.8	160	"
A-C	Sta. 19+ to Rd.	-	499	0.51	-	237.02	28.0	5.6	1327.3	"
D		35	-	0.8	28.0	-	28.0	5.6	157	"
A-D	Sta. 10+ to 19+	-	535	0.51	-	265.02	28.0	5.6	1484.1	50 yr. design

GENERAL NOTES:

- All construction shown hereon shall be in accordance with the Howard County Road Construction Code & Standard Specifications dated November 27, 1962 and revised August, 1968 & the zoning regulations of Howard County dated 1961.
- Elevations shown hereon are based on Whitman Requardt & Assoc. Bench Mark #26 Elev. 106.40. RR. spike set on S/4 Smith Hanover Road @ intersection of Smith Ave.



DEPARTMENT OF PUBLIC WORKS

Pranville H. Meland 10-23-69
Chief, Bureau of Highways Date

OFFICE OF PLANNING & ZONING

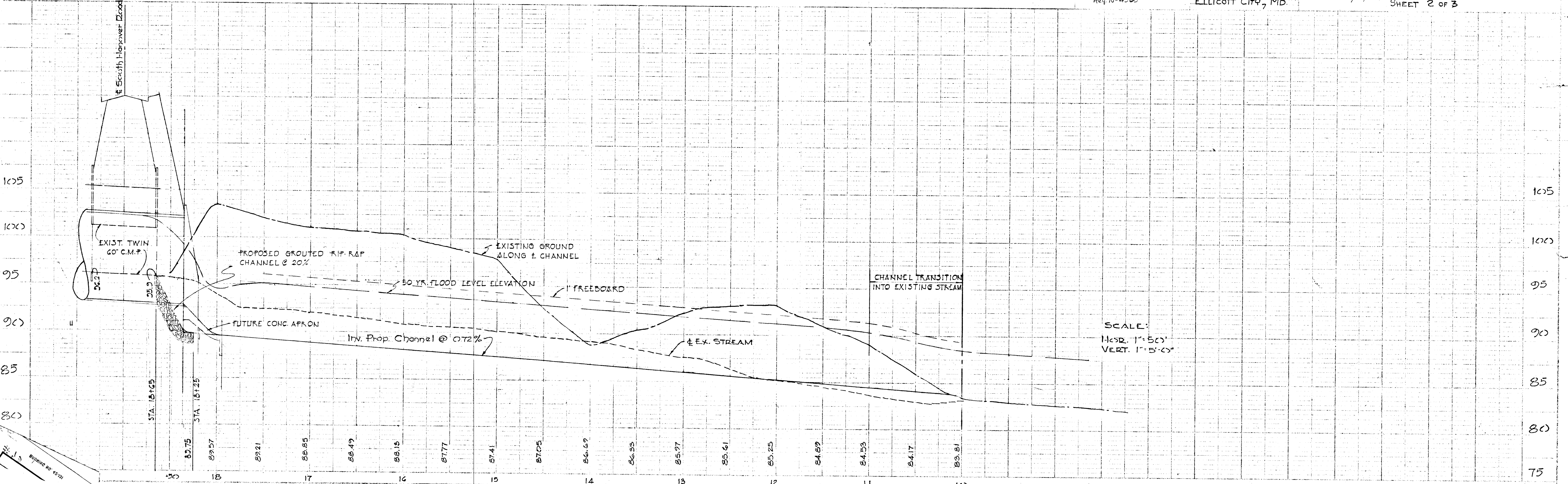
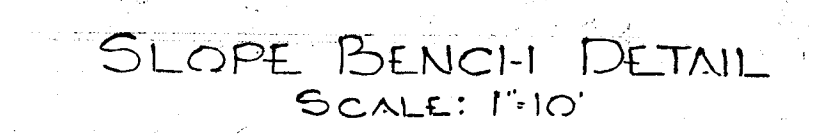
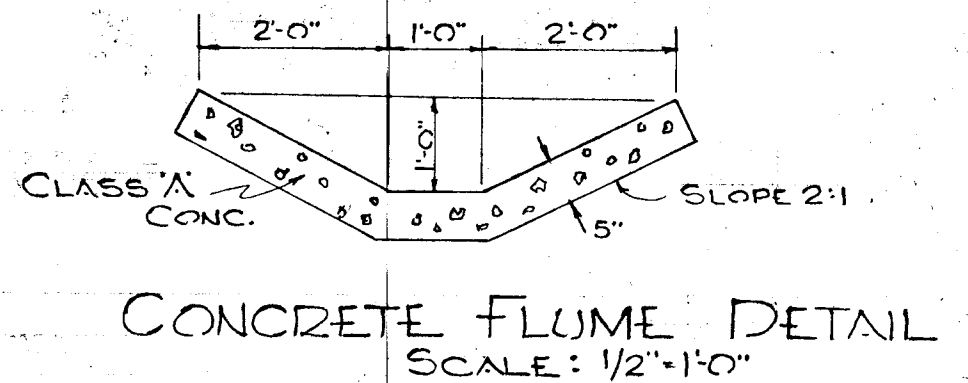
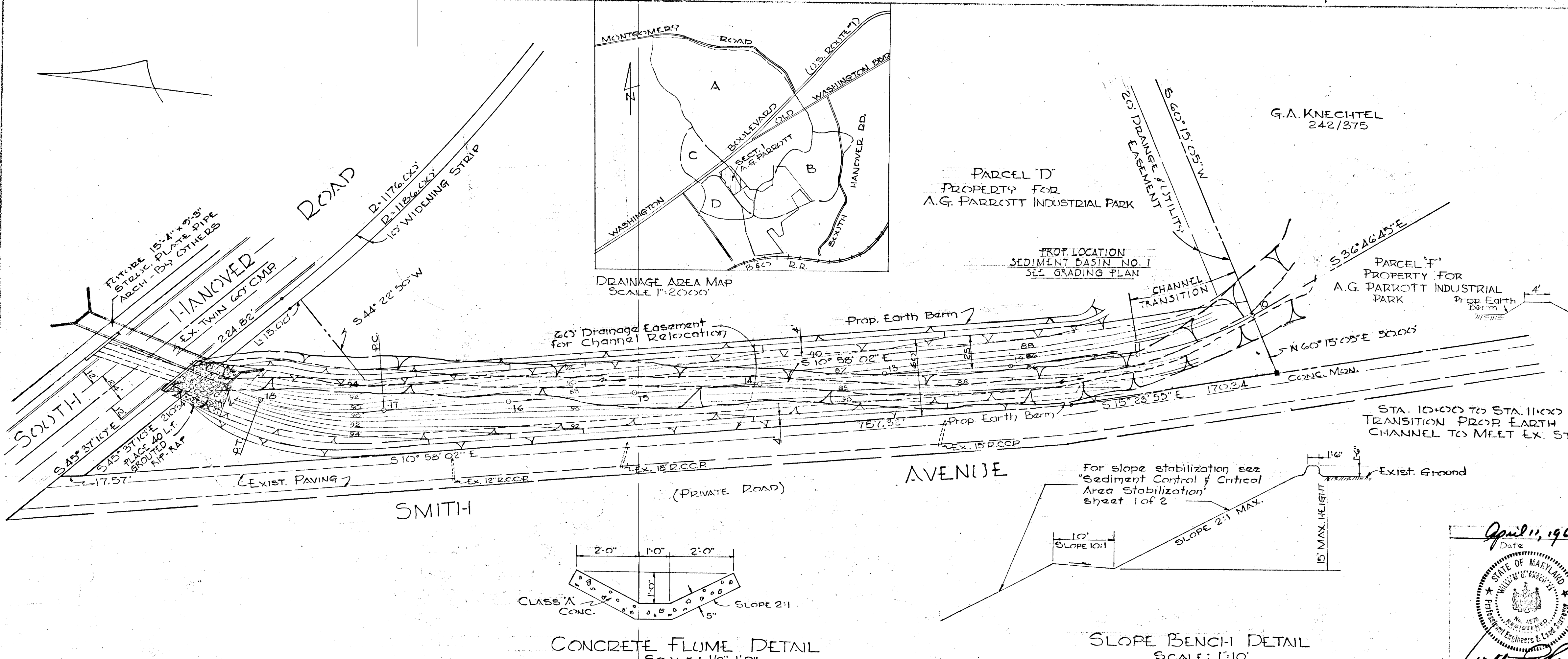
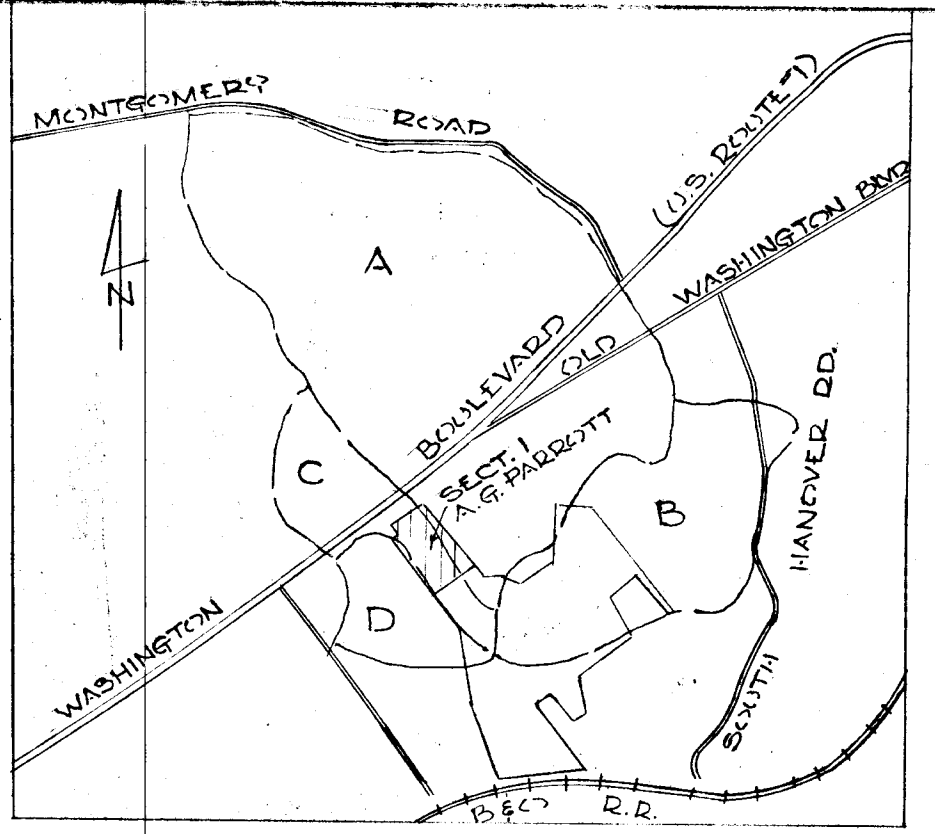
J.H. Clawson, Jr. 10-14-69
Chief Engineer, Division of Land Development Date

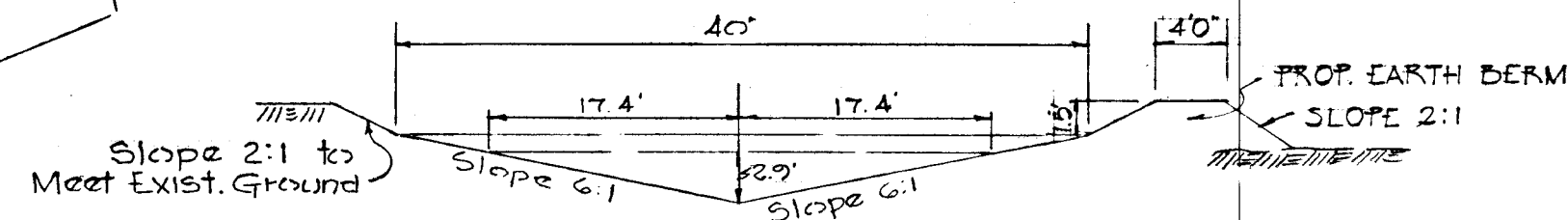
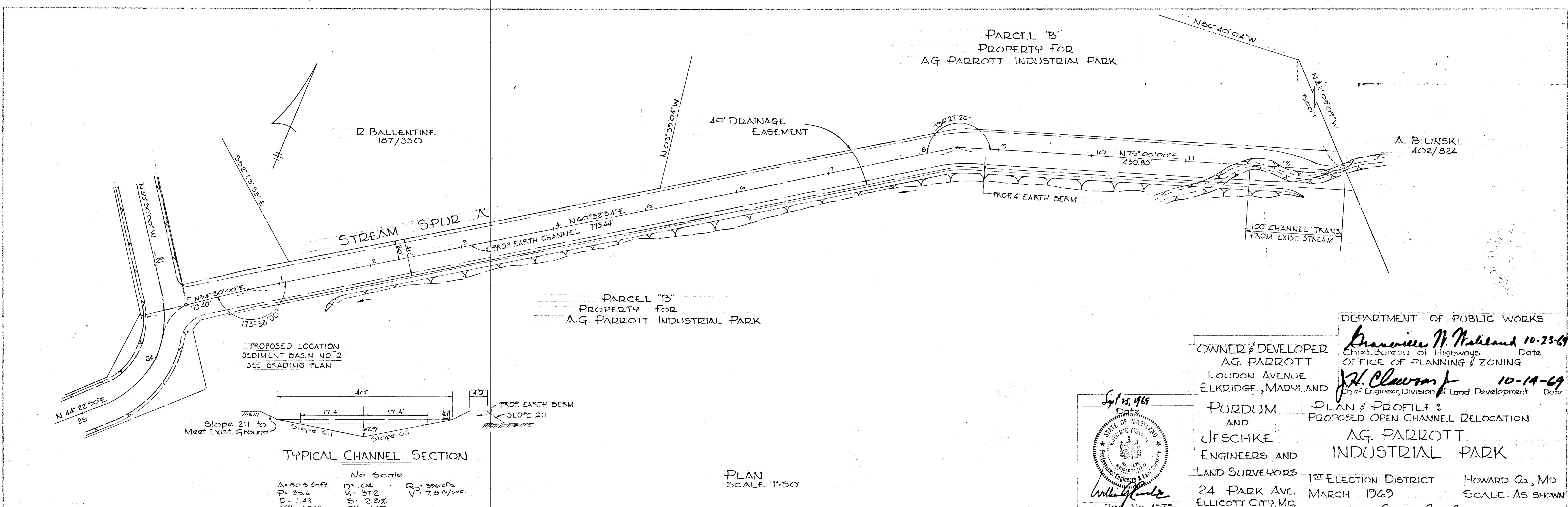
OWNER & DEVELOPER
A.G. PARROTT
LOUDON AVENUE
ELKBRIDGE, MARYLAND

PLAN & PROFILE:
PROPOSED OPEN CHANNEL RELOCATION
A.G. PARROTT
INDUSTRIAL PARK

1ST ELECTION DISTRICT - Howard County, Md.
MARCH, 1969
REVISED: 3/23/1969

SCALE: AS SHOWN
SHEET 2 OF 3





TYPICAL CHANNEL SECTION
 No Scale
 A = 50.3 sq ft $n = .04$ $Q_D = 396 cfs$
 P = 35.6 $K = 37.2$ $V = 7.6 ft/sec$
 D = 1.42 $S = 2.8%$
 D₅₀ = 1.243 $S_{1/2} = 1.67$

PLAN SCALE 1"=50'

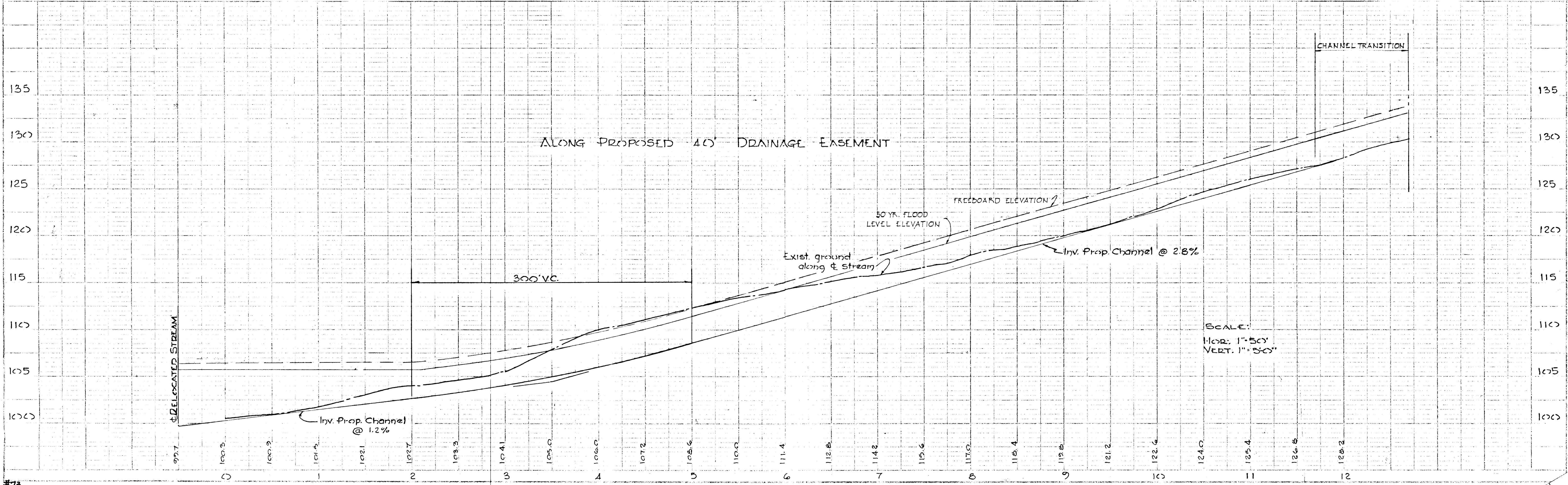
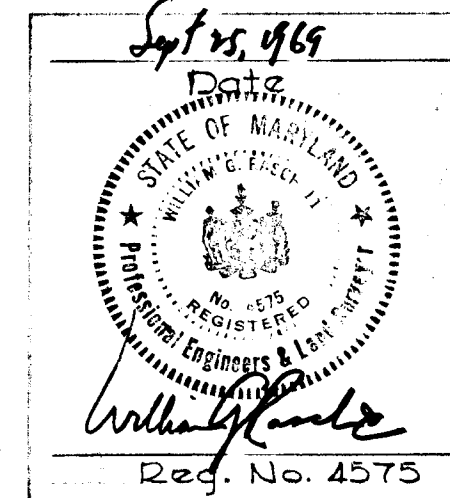
OWNED & DEVELOPED BY
 AG. PARROTT
 LOUDON AVENUE
 ELKBRIDGE, MARYLAND

DEPARTMENT OF PUBLIC WORKS
 Branville H. Noland 10-23-69
 Chief, Bureau of Highways Date
 OFFICE OF PLANNING & ZONING
 J.H. Clewson 10-14-69
 Chief Engineer, Division of Land Development Date

PLAN & PROFILE:
 PROPOSED OPEN CHANNEL RELOCATION
 AG. PARROTT INDUSTRIAL PARK

1ST ELECTION DISTRICT Howard Co., MD
 MARCH 1969 SCALE: AS SHOWN

SHEET 3 OF 3



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