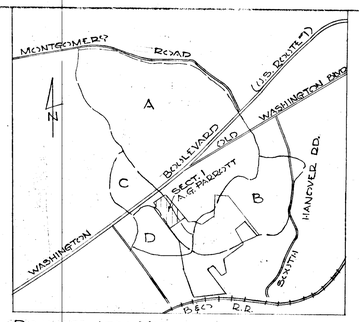


DRAINAGE AREA MAP
SCALE 1"=2000'

PARCEL 'D'
PROPERTY FOR
A.G. PARROTT INDUSTRIAL PARK

G.A. KNECHTEL
242/375

PROP. LOCATION
SEDIMENT BASIN NO. 1
SEE GRADING PLAN

PARCEL 'F'
PROPERTY FOR
A.G. PARROTT INDUSTRIAL PARK

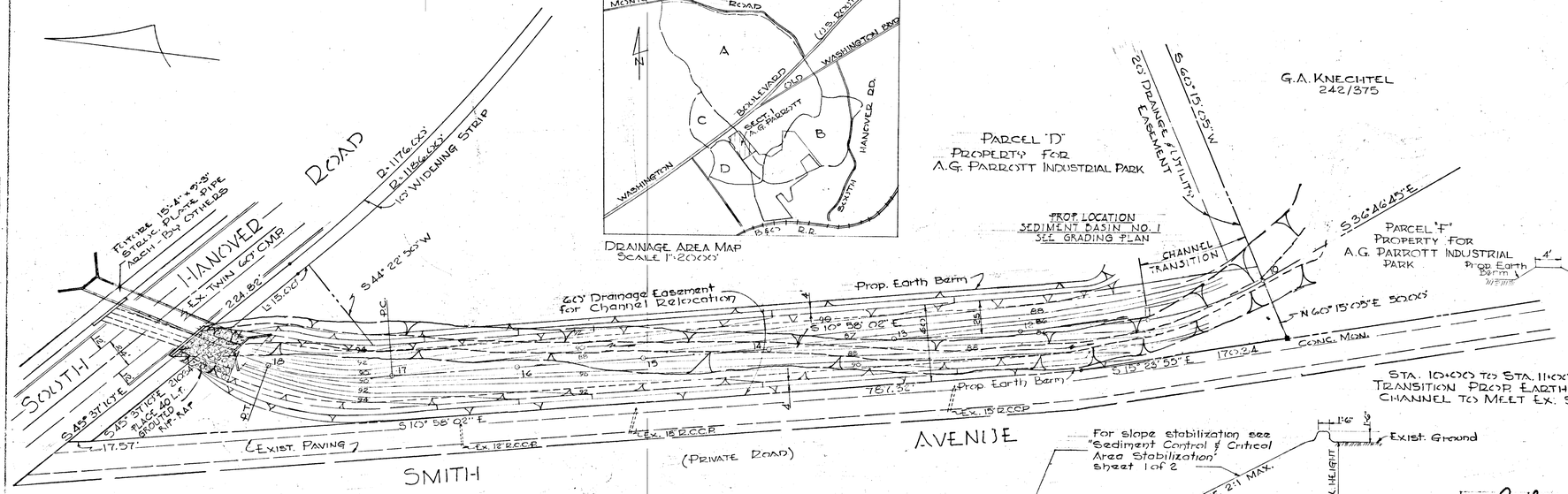
HYDRAULIC DATA

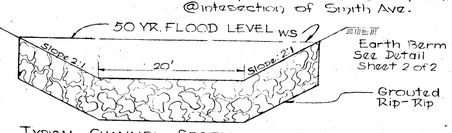
Area No.	LOCATION	Incr. Acres	Total Acres	C	C·A	Accum C·A	Time Conc.	I in/hr	Q c.f.s.	REMARKS
A	Sta 24+ to 27+	343	-	0.44	150.92	-	27.1	5.7	860.2	50 yr. design
B	Stream Spur	109	-	0.57	62.13	-	20.0	6.5	403.8	"
A+B	Sta. 19+ to 24+	-	452	0.47		213.05	28.0	5.7	1210.5	"
C		47	-	0.51	23.97	-	17.5	6.8	160	"
A-C	Sta. 19+& 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:

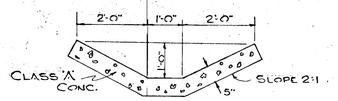
1.) All construction shown hereon shall be in accordance with the Howard County Road Construction Code & Standard Specifications dated November 27, 1962 and revised August, 1968 & the zoning regulations of Howard County dated 1961.

2.) Elevations shown hereon are based on Whitman Requardt & Assoc. Bench Mark #26 Elev. 1026.40
R.R. spike set on S/S South Hanover Road @ intersection of Smith Ave.

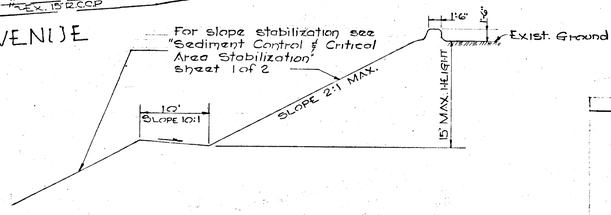




TYPICAL CHANNEL SECTION
STA 18+65 TO 18+25
SCALE 1"=10



CONCRETE FLUME DETAIL
SCALE: 1/2"=1'-0"



SLOPE BENCH DETAIL
SCALE: 1"=10'

DEPARTMENT OF PUBLIC WORKS

Granville M. Maitland 10-23-69
Chief, Bureau of Highways Date

OFFICE OF PLANNING & ZONING

J.W. Closson 10-14-69
Chief Engineer Division of Land Development Date

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

April 11, 1969
Date

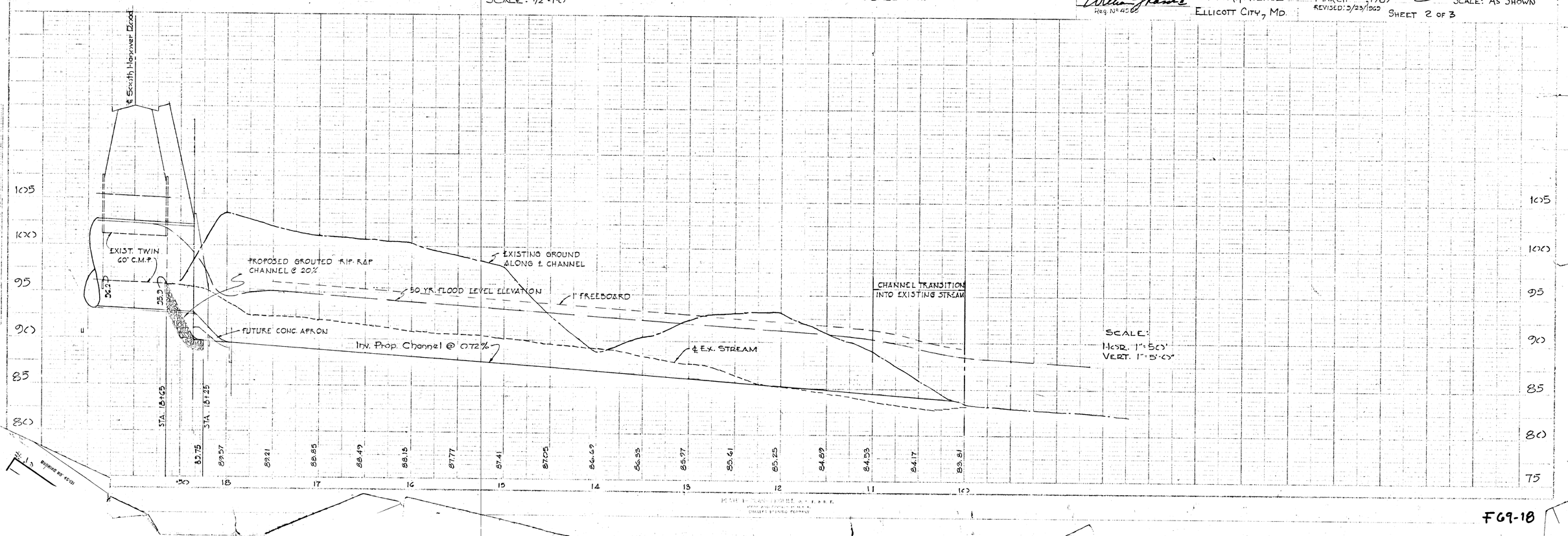
STATE OF MARYLAND — CHARLTON HAMBLE — No. 4578 — REGISTERED PROFESSIONAL ENGINEER — Professional Engineers & Land Surveyors

Charlton Hamble
Reg. No. 4578

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

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

1st ELECTION DISTRICT — HOWARD COUNTY, MD.
MARCH, 1969 — SCALE: AS SHOWN
REVISED: 9/23/1969 SHEET 2 OF 3



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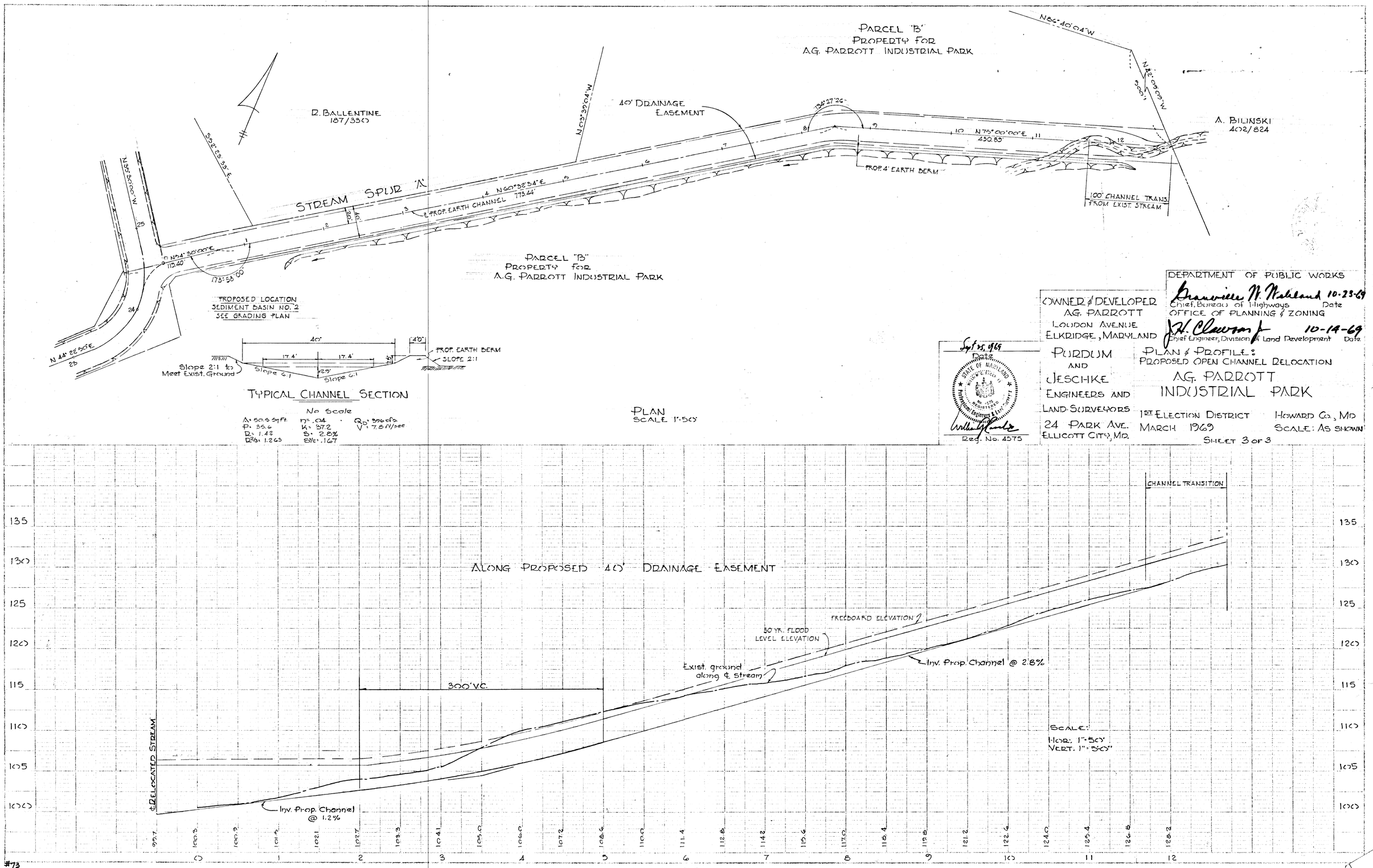

PARCEL "B"
PROPERTY FOR
A.G. PARROTT INDUSTRIAL PARK
R. BALLENTINE
187/330
40' DRAINAGE
EASEMENT
A. BILINSKI
402/824
STREAM SPUR "A"
N 60°32'34"E
773.44'
℄ PROP. EARTH CHANNEL
N 75°00'00"E
430.89'
PROP. 4' EARTH BERM
100' CHANNEL TRANS.
FROM EXIST. STREAM
N 86°40'04"W
N 42°09'09"W
N 03°39'04"W
S 52°23'33"E
N 35°30'00"W
N 34°30'00"E
119.40'
173°58'00"
N 44°22'50"E
PARCEL "B"
PROPERTY FOR
A.G. PARROTT INDUSTRIAL PARK
PROPOSED LOCATION
SEDIMENT BASIN NO. 2
SEE GRADING PLAN
40'
17.4'
17.4'
4.0'
PROP. EARTH BERM
SLOPE 2:1
Slope 2:1 to
Meet Exist. Ground
Slope 6:1
Slope 6:1
TYPICAL CHANNEL SECTION
No Scale
A = 50.5 sq.ft.
P = 35.6
R = 1.42
R2/3 = 1.263
n = .04
K = 37.2
S = 2.8%
S1/2 = .167
Qd = 396 cfs
V = 7.8 ft/sec
PLAN
SCALE 1"=50'
DEPARTMENT OF PUBLIC WORKS
Granville W. Wahland 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
ELKRIDGE, MARYLAND
Sept 25, 1969
Date
STATE OF MARYLAND
WILLIAM E. HAMBLETON II
No. 1575
REGISTERED
Professional Engineers & Land Surveyors
Reg. No. 4575
PURDUM
AND
JESCHKE
ENGINEERS AND
LAND SURVEYORS
24 PARK AVE.
ELLICOTT CITY, MD.
PLAN & PROFILE:
PROPOSED OPEN CHANNEL RELOCATION
A.G. PARROTT
INDUSTRIAL PARK
1ST ELECTION DISTRICT
HOWARD CO., MD
MARCH 1969
SCALE: AS SHOWN
SHEET 3 OF 3
CHANNEL TRANSITION
ALONG PROPOSED 40' DRAINAGE EASEMENT
FREEBOARD ELEVATION
50 YR. FLOOD
LEVEL ELEVATION
Exist. ground
along ℄ Stream
Inv. Prop. Channel @ 2.8%
300' V.C.
℄ RELOCATED STREAM
Inv. Prop. Channel
@ 1.2%
SCALE:
HOR. 1"=50'
VERT. 1"=5'0"
135
130
125
120
115
110
105
100
99.7
100.3
100.9
101.5
102.1
102.7
103.3
104.1
105.0
106.0
107.2
108.6
110.0
111.4
112.8
114.2
115.6
117.0
118.4
119.8
121.2
122.6
124.0
125.4
126.8
128.2
0
1
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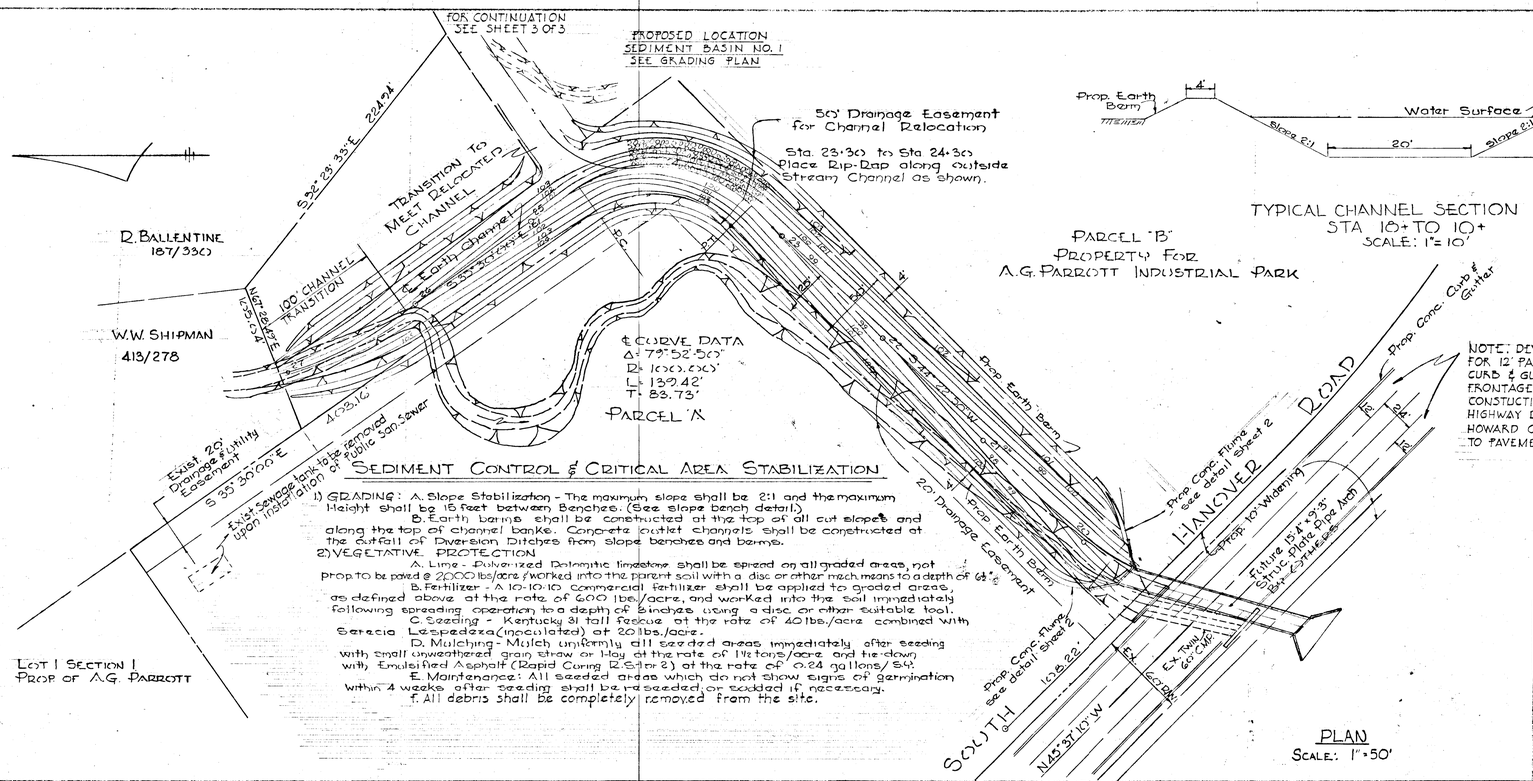
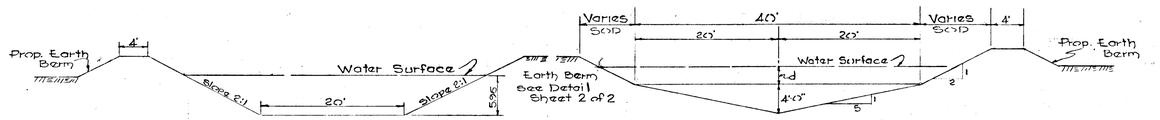




TYPICAL CHANNEL SECTION STA. 27+ TO 19+

SCALE: 1"=10'

Sta. 24 + to 27+			Sta.		
A= 135 sq.ft.	n=.04	Q_p= 865.1 c.f.s.	A= 168 sq.ft.	n=.04	Q_p= 1220.8 c.f.s.
P= 46.7 ft.	K= 37.2	V= 5.4 ft/sec.	P= 48.2 ft.	K= 37.2	V= 7.3 ft/sec.
R= 2.89	S= 0.72%	d= 1.3 ft.	R= 3.49	S= 0.72%	d= 2.0 ft.
$R^{2/3}$= 2.029	$S^{1/2}$= .0849		$R^{2/3}$= 2.301	$S^{1/2}$= .0849	

TYPICAL CHANNEL SECTION STA 18+ TO 10+

SCALE: 1"=10'

Sta. 18+65 - 10+00

A= 187.62 sq.ft.	n=.04	Q_p= 1803.3 c.f.s.
P= 46.4 ft.	K= 37.2	V= 8.0 ft/sec.
R= 4.04	S= 0.72%	
$R^{2/3}$= 2.537	$S^{1/2}$= 0.0849	

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

SEDIMENT CONTROL & CRITICAL AREA STABILIZATION

1) GRADING: A. Slope Stabilization - The maximum slope shall be 2:1 and the maximum Height shall be 16 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 channel banks. 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 Sericia 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 1½ tons/acre and tie-down with Emulsified Asphalt (Rapid Curing R.S.1 or 2) at the rate of 0.24 gallons/ S.Y.
E. Maintenance: All seeded areas which do not show signs of germination within 4 weeks after seeding shall be re-seeded or sodded if necessary.
F. All debris shall be completely removed from the site.

PLAN
SCALE: 1"=50'

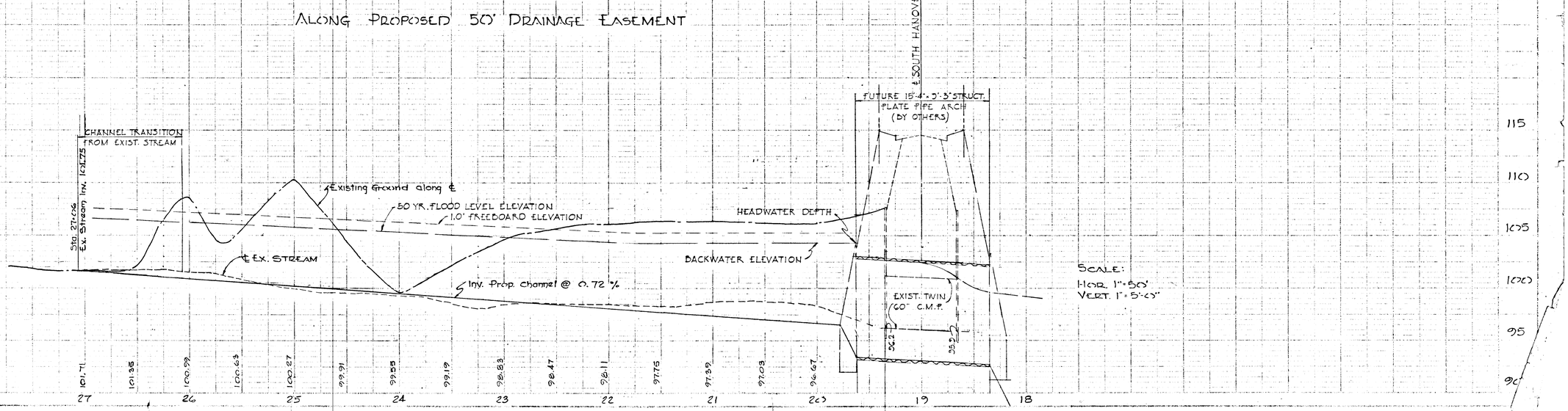
OWNER & DEVELOPER
A.G. PARROTT
LOUDON AVENUE
ELKRIDGE, MARYLAND

April 11, 1969
STATE OF MARYLAND — WILLIAM GRANTLAND PURDUM — No. 4576 — REGISTERED Engineer & Land Surveyor
Reg No 4576

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

DEPARTMENT OF PUBLIC WORKS
Granville W. Markland 10-23-69
Chief, Bureau of Highways Date
OFFICE OF PLANNING & ZONING
J.H. Clawson 10-18-69
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 — SCALE: AS SHOWN
REVISED: 9/23/1969
SHEET 1 OF 3



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