LOT No. 1
SECTION 1
ELLICOTT CENTER

℄ CURVE DATA
Sta. 0+79.50 to Sta. 3+03.35
R = 581.26' L = 223.85
Δ = 24°08'30" T = 113.61
LCW S 40°47'15" E = 222.19'

℄ CURVE DATA
Sta 5+61.90 to Sta. 8+55.24
R = 545.67' L = 293.34'
Δ = 30°48'05" T = 150.31'
LCW S 68°15'33" E = 289.82'

To U.S. Route #40

Parapet Wall w/ Hand Rail

N 13°28'24" E

Ex. Conc. Curb

Ex. 4' Conc. Sidewalk

Parapet Wall w/ Hand Rail

P.O.T. - Sta. 14+17.62 Ramp "H"

℄ - Sta. 0+00.4 Bridge Road

S 22°43'52" E

EXPANSION JOINTS

Ex. 4' Conc. Flume

℄ Ramp "H" Md. Route 29 to U.S. Route 40 connection

Ex. 4' Conc. Flume

25' Std. Guard Rail (Beam-Type) Complete with Terminal End As Shown in Specifications.

Ex. 4' Conc. Flume

25' Std. Guard Rail (Beam-Type) Complete with Terminal End Sta. 0+87.45 As Shown in Specifications.

P.C. - Sta. 0+79.50

Begin Road Paving Here

LIMIT OF SECTION No. 1

Construct Curb & Gutter & Guard Rail to meet existing bridge.

G&E #390590

Existing road to be abandoned

⊥ G&E #228206

G&E #228205

℄ CURVE DATA
R = 1150.00' L = 169.52'
Δ = 8°26'00" T = 95.10'
Chd. S 69°21'00" W = L = 160.64'

P.T. - Sta. 3+03.35

50' BUILDING RESTRICTION LINE

℄ STA. 0+35 TROP TEMP. EARTH BERM SEE DETAIL SHEET 4 OF 7

ELLICOTT CENTER DRIVE

See Sheet 3 of 7

P.C. - Sta. 5+61.90

P.T. - Sta. 8+55.24

Standard 7" Comb. Conc. C&G

S 52°51'30" E

G&E #231310

G&E #231311

℄ Sta. 4+54.27 RIDGE ROAD
℄ Sta. 0+00 ELLICOTT CENTER DR.

RIDGE ROAD

Standard 7" Comb. Conc. C&G

G&E #231309 Nose down Curb Transition from Proposed Paving to existing Paving

Ex. Paving

Future Paving

Future Edge of Pavement

Sta. 8+27.24

Limit of Prop. C&G

Sta. 8+50.00 Limit of Prop. Conc. C&G. Begin Bit. Cont. Mountable Curb

Temporary Bit. Conc. Mountable Curb

R = 150.00'

S 83°39'39" E

Construct temp. Tee-turnaround (As Shown)

Road 10'

℄ Sta. 10+43.74 Limit of Prop. C&G

Construct temporary Dead end Barricade as shown in Specifications.

FOR LIMITS OF GRADING SEE SHEET No. 1 OF 7

PLAN
SCALE: 1" = 50'

DEPARTMENT OF PUBLIC WORKS:

CHIEF, BUREAU OF HIGHWAYS DATE
DEPARTMENT OF PUBLIC WORKS

CHIEF, BUREAU OF WATER AND SEWER DATE

Date

STATE OF MARYLAND — WILLIAM GRAY HASSARD II — REG. No. 4575

OWNER & DEVELOPER	PURDUM & DESCHKE ENGINEERS
ELLICOTT CORPORATION The Rosslyn Building 1901 N. Fort Myer Drive Arlington, Va.	LAND SURVEYORS 3697 PARK AVE., ELLICOTT CITY, MARYLAND.

DEPARTMENT OF PUBLIC WORKS

Bronislaw W. Makowski 4/3/71
Chief, Bureau of Highway Date

OFFICE OF PLANNING AND ZONING

J. H. Clawson 3-31-71
Chief Engineer, Division of Land Development Date

PLAN & PROFILE - RIDGE ROAD

SECTION 1

ELLICOTT CENTER

2nd ELECTION DISTRICT — HOWARD COUNTY, MD.
FEBRUARY 8, 1971 — SCALE: As Shown
REV. MAY 14, 1971 Sheet 2 of 7

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

RIDGE ROAD

U.S. Route #29 (U.S. Route #40 Interchange)
Sta. 14+17.62 ℄ RAMP "H" = 0+00.00 ℄ RIDGE ROAD (412.49)

EXISTING BRIDGE

+2.0%

EXISTING GROUND @ ℄

-2.0%

Sta. 0+87.45

Limit of Section "1"

PVC - Sta. 0+50.00

200' V.C.

PVT - Sta. 2+50.00

230' V.C.

PVC - Sta. 4+05 (405.30)

℄ Sta. 4+44.35 RIDGE ROAD (403.46)
= ℄ Sta. 0+00.00 ELLICOTT CENTER DR. (403.20)

SUMP - Sta. 5+38 (403.20)

PVT - Sta. 6+35 (404.60)

EXISTING GROUND @ RIGHT BUILDING RESTRICTION LINE

+3.0%

EXISTING GROUND @ LEFT BUILDING RESTRICTION LINE

FINISHED GRADE

-4.0%

PVC - Sta. 7+50.00

200' V.C.

PVT - Sta. 9+50.00

Sta. 10+39.00 LIMIT of PROP. TEMP BIT. CONC. CURB & Sta. 10+43.74 LIMIT OF SECTION No. 1 (403.39)

FUTURE ℄ GRADE @ 4.0%

0	1	2	3	4	5	6	7	8	9	10
413.49	413.85	414.05	414.15	413.90	413.60	413.05	412.35	411.49	409.49	407.49
405.50	404.75	404.05	403.65	403.35	403.35	403.50	403.85	404.37	405.12	406.62
406.12	406.65	407.00	407.25	407.25	407.00	406.65	406.00	407.12	405.12	

PLATE 1 - PLAN-PROFILE

BITUMINOUS CONC. SURFACE
BITUMINOUS CONC. BINDER
CRUSHER RUN BASE

1½" BAND C-3
3" BAND C-2
9" (2 COURSES)

TYPICAL PAVING SECTION
NO SCALE

7" 1" 1'-6" 1'-3" 7¾" 8¾" 6" 1⅛" 8" CLASS "A" CONCRETE 2'-2" 1⅛"

STANDARD 7" COMBINATION CURB & GUTTER
DRAWING D-40 PAGE 95

#72

F71-44

DEPARTMENT OF PUBLIC WORKS:	
CHIEF BUREAU OF HIGHWAYS	DATE
DEPARTMENT OF PUBLIC WORKS.	
CHIEF, BUREAU OF WATER AND SEWER	DATE

PLAN — PLOTTED, PLOTTED, NOTE BOOK, ALIGNMENT CHECKED, R/T. OF WAY CHECKED, NO., DATE, BY

℄ CURVE DATA
Sta. 0+55.05 to 2+34.49
R = 1962.47' L = 179.44'
Δ = 05°14'20" T = 89.78'
L.CHD = N.32°35'10"E. - 179.38'

P.R.C. Sta 0+55.05
P.T. Sta 2+34.49
S.52°51'50"E.
RIDGE ROAD
℄ 50'
BUILDING RESTRICTION LINE
ELLICOTT CENTER DRIVE
STD. TYPE 'S' COMB. INLET - ℄ Sta. 2+40 TOP ELEV. 399.31 D-99, P-154
DOUBLE 'S' COMB. INLET ℄ Sta. 4+50 TOP ELEV. 396.55
DOUBLE 'S' COMB. INLET ℄ Sta. 6+30 TOP ELEV. 393.07
℄ STA. 5+60 TROT. TEMP. EARTH BERM SEE DETAIL, SHEET 4 OF 7
STANDARD 'T' CONCRETE CURB & GUTTER
0+00.00
4+94.27
24" R.C.C.P. (204')
15" R.C.C.P. (266')CL IV
15" R.C.C.P. 28'±
42° 53'44" E.
27" R.C.C.P. (177')
15" R.C.C.P. (28')
30"R.C.C.P. (127')
STD. TYPE 'S' COMB. INLET ℄ Sta 4+50 - TOP ELEV. 396.55 D-99, P154
STD. TYPE 'S' COMB. INLET ℄ Sta. 6+50 TOP ELEV. 393.07 D-99, P-154
STD. TYPE 'S' COMB. INLET, Sta. 2+40 TOP ELEV. 399.31 D-99, P.154
℄ Sta. 5+36 TYPE A-S INLET TOP ELEV. 403.11
P.C. Sta 2+84.32
P.T. Sta. 4+45.67
P.C. Sta 5+24.95
P.T. Sta 7+24.47
LIMIT OF SECTION
FUTURE
10'R
20'
50'

℄ CURVE DATA
Sta. 0+00 to 0+55.05
R = 1504.85', L = 55.05'
Δ = 02°05'45", T = 27.53'
L.CHD = N.34°09'38"E. - 55.05'

℄ CURVE DATA
Sta. 2+84.32 to 4+45.67
R = 733.94' L = 161.35'
Δ = 12°35'44" T = 81.00
L.CHD N 36° 15'52"E - 161.02'

℄ CURVE DATA
Sta. 5+24.95 to 7+24.47
R = 851.47' L = 199.52'
Δ = 13°25'32" T = 100.22
L.CHD = N 49°16'30"E - 199.06'

FOR LIMITS OF GRADING SEE SHEET No. 1 OF 7

PLAN
SCALE: 1" = 50'

NOTE: SEE SHEET 4 FOR STORM DRAIN PLAN AND PROFILE

CONSTRUCT TEMP. TEE TURN AROUND ℄ DEAD END BARRICADE. SEE DETAIL IN SPECIFICATIONS & DWG. D-33, P.88 & DWG. D-109 P.164

ZONED: B-2 / M-R DESIGN SPEED 35 M.P.H.
80' RIGHT OF WAY
44' PAVING
18'-0" 22'-0" 22'-0" 18'-0"
MAX. 2:1 SEED & MULCH 1/2" TO 1' AV. SLOPE 3/8" TO 1' AV. SLOPE 3/8" TO 1' 1/2" TO 1' CROWN @ 1/2" MAX. 2:1 SEED & MULCH
SEED & MULCH
STANDARD 7" COMBINATION CURB AND GUTTER
FOR PAVING SECTION SEE SHEET NO. 2 OF 7

TYPICAL SECTION - 80' R/W WITH CURB AND GUTTER
Sta. 0+00.00 to Sta. 10+43.74
SCALE: 1" = 10'

ZONED: B-2 / M-R DESIGN SPEED: 25 M.P.H.
60' RIGHT OF WAY
36' PAVING
12'-0" 18'-0" 18'-0" 12'-0"
MAX. 2:1 SEED & MULCH 1/2" TO 1' AV. SLOPE 3/8" TO 1' AV. SLOPE 3/8" TO 1' 1/2" TO 1' CROWN @ 1/2" MAX. 2:1 SEED & MULCH
SEED & MULCH
STANDARD 7" COMBINATION CURB AND GUTTER
FOR PAVING SECTION SEE SHEET NO. 2 OF 7

TYPICAL SECTION - 60' R/W WITH CURB AND GUTTER
Sta. 0+00.00 to Sta. 7+24.47
SCALE: 1" = 10'

DATE
STATE OF MARYLAND
WILLIAM W. BASHOR
No. 4575
REGISTERED
Professional Engineers & Land Surveyors
REG. No. 4575

OWNER & DEVELOPER	PURDUM & UESCHKE
ELLICOTT CORPORATION THE ROSSLYN BUILDING 1901 N. FORT MYER DRIVE ARLINGTON, VIRGINIA	ENGINEERS LAND SURVEYORS 3697 PARK AVENUE ELLICOTT CITY, MARYLAND

DEPARTMENT OF PUBLIC WORKS
Granville R. Wakefield 4/3/71
Chief, Bureau of Highways Date
OFFICE OF PLANNING AND ZONING
J. H. Clawson 3-31-71
Chief, Bureau of Land Development Date

PLAN AND PROFILE: ELLICOTT CENTER DRIVE
SECTION 1
ELLICOTT CENTER
2ND ELECTION DISTRICT - HOWARD COUNTY, MD.
FEBRUARY 8, 1971 SCALE: AS SHOWN
REV. MAY 14, 1971 SHEET 3 OF 7

PROFILE — PLOTTED, PLOTTED, NOTE BOOK, GRADES CHECKED, R/T. OF WAY CHECKED, NO., DATE, BY, STRUCTURE NOTATIONS CHECKED

ELLICOTT CENTER DRIVE

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

℄ RIDGE ROAD Sta. 4+91.38 (403.50)
Sta. 0+22 (402.81)
EXIST. GROUND ℄ LEFT BUILDING RESTRICTION LINE
EXIST. GROUND ℄ RIGHT BUILDING RESTRICTION LINE
EXIST. GROUND ℄
-1.60%
FINISHED GRADE
-1.60%
Sta. 7+24.47 (394.57)
SLOPE 3:1 TO EXIST. GROUND
FUTURE
LIMIT OF SECTION

	0	1	2	3	4	5	6	7	8	9
	403.50	402.36	401.56	400.76	399.96	399.16	398.36	397.56	396.76	395.96	395.16	394.36	393.56	392.76	391.96
	407.0	405.0	403.5	403.6	399.8	399.0	398.5	398.0	398.6	393.9	392.0	390.4	389.6	388.6	387.8

410 405 400 395 390 385 380 375 370 365

℄ RIDGE ROAD
I-7 I-5
EXISTING GROUND
FINISHED GRADE
HYDRAULIC GRADIENT
15" R.C.C.P. @ 1.60% CL IV
Q = 6.3 cfs
V = 5.0'/sec
INV. 394.62
INV. 393.62
INV. 392.62
MOT. 15" D.(3)
MOT. 24" R.C.C.P. @ 1.60%
33.46'
33.53'
2.47'
2.89'

#72

PLATE 1 PLAN-PROFILE O. P. & B. & E. STANDARD
100% RAG ACEPROOF VELLUM - MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

F 71-44
-002

DEPARTMENT OF PUBLIC WORKS:

CHIEF BUREAU OF HIGHWAYS DATE

DEPARTMENT OF PUBLIC WORKS

CHIEF, BUREAU OF WATER AND SEWER DATE

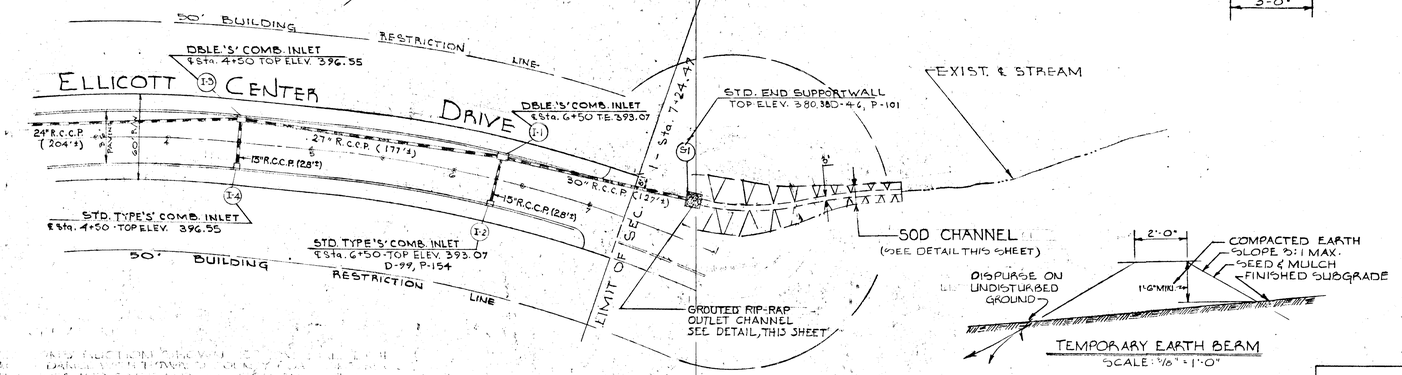
BENCH MARKS

B.M. #31 (W.R.A.) ELEV. 412.24

"X" CUT IN TOP N. END OF CONC. CURB SURROUNDING GRASS PLOT IN CONC. CROSSOVER 105'± W. OF ℄ INT. E.B.L. ROUTE 40

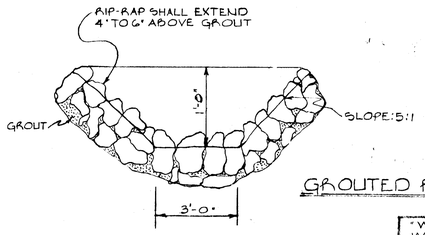
B.M. #56 ELEV. 351.88

N.E. BONNET BOLT FIRE HYDRANT OPPOSITE #56 ROGERS AVE.

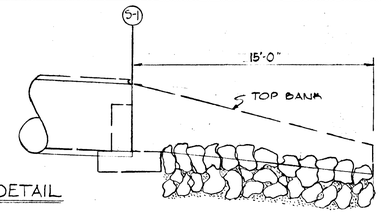


FOR LIMITS OF GRADING SEE SHEET NO. 1 OF 7

PLAN
SCALE 1"=50'



GROUTED RIP-RAP CHANNEL DETAIL
NOT TO SCALE



SEDIMENT CONTROL NOTES

1. THE DEVELOPER SHALL NOTIFY THE HOWARD COUNTY SOIL CONSERVATION SERVICE AT LEAST 24 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION SHOWN HEREON.
2. SEDIMENT CONTROL MEASURES MUST BE INSTALLED PRIOR TO GRADING OPERATION.
3. ALL DISTURBED AREAS AREAS SHALL BE STABILIZED BY SEEDING AND/OR SODDING IN ACCORDANCE WITH "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN URBANIZING AREAS" FOR CRITICAL AREA STABILIZATION, IMMEDIATELY FOLLOWING EARTHWORK OPERATION.
4. THE CONTRACTOR SHALL NOT BEGIN ANY CONSTRUCTION SHOWN ON THESE PLANS UNTIL AN APPROVED "GRADING AND SEDIMENT CONTROL PLAN" HAS BEEN PLACED ON FILE WITH THE HOWARD SOIL CONSERVATION DISTRICT.

"WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN OF SILT AND SEDIMENT CONTROL."

M.F. Weissberg D.R. Lawson Date

"I CERTIFY THAT THE PLAN OF DEVELOPMENT AND THE PLAN FOR CONTROL OF SILT AND EROSION MEETS THE REQUIREMENTS, STANDARDS, AND SPECIFICATIONS OF THE HOWARD SOIL CONSERVATION DISTRICT."

William G. Rasch II Date

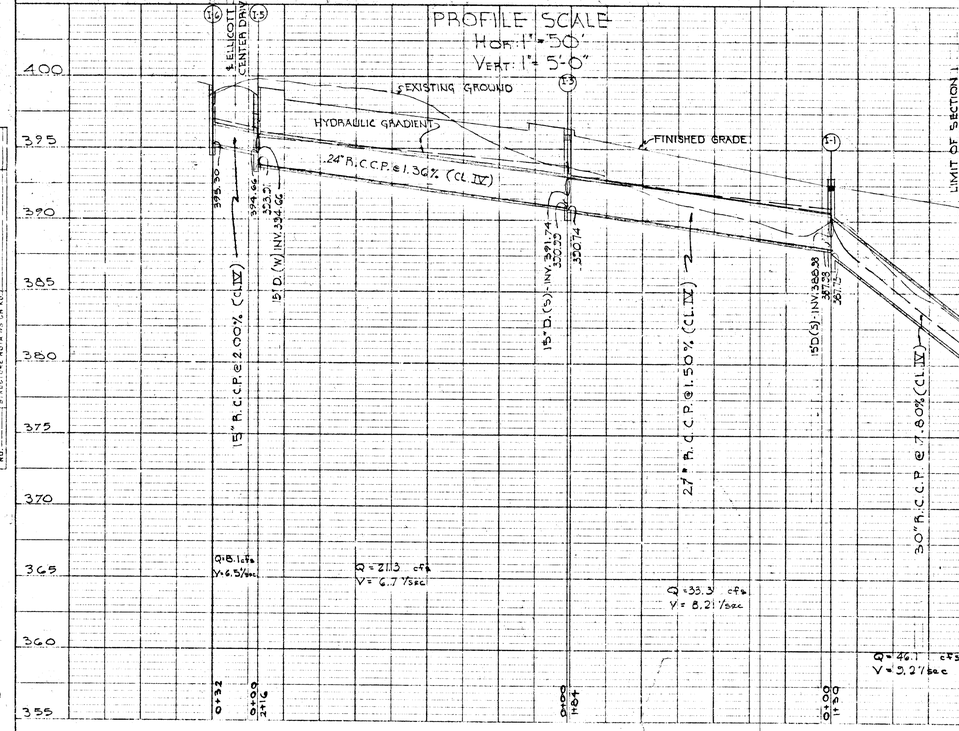
"THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

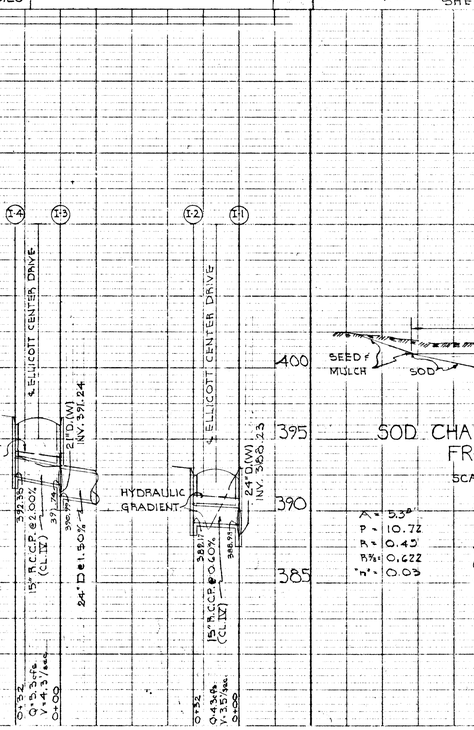
REVIEWED: District Conservation Date

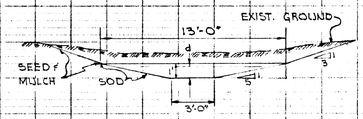
APPROVED: Howard Soil Conservation District Date

STRUCTURE SCHEDULE

No.	Type	Inv. In.	Inv. Out	Top Elev.	Remarks
I-6	'S' Comb. Inlet		395.30	399.31	Depressed and Parallel to Curb
I-5	'S' Comb. Inlet	394.66	394.16	399.31	"
I-4	'S' Comb. Inlet		392.38	396.55	"
I-3	Dble. 'S' Comb. Inlet	391.74	391.99	396.55	"
I-2	'S' Comb. Inlet		389.17	393.07	"
I-1	Dble. 'S' Comb. Inlet	388.98	387.73	393.07	"
S-1	Std. End Support Wall		377.58	380.38	
I-7	Type A-5 Inlet		399.75	403.25	







SOD CHANNEL DETAIL FROM S-1
SCALE: 1"=50'

A = 5.3°
P = 10.72
R = 0.49
R^2/3 = 0.622
n = 0.05

S = 0.05 ft/ft
S^1/2 = 0.2828
V = 0.49^2/3 × 0.622 × 0.2828 = 8.7
Q = 8.7 × 5.3 = 46.11 CFS
d = 0.77

PURDUM & JESCHKE ENGINEERS LAND SURVEYORS 3697 PARK AVENUE ELLICOTT CITY, MARYLAND

DATE
STATE OF MARYLAND — WILLIAM G. RASCH II — No. 10910 REGISTERED — Professional Engineers & Land Surveyor
REG. NO. 4575

OWNER & DEVELOPER
ELLICOTT CORPORATION
THE ROSSLYN BUILDING
1901 N. FORT MYER DR.
ARLINGTON, VIRGINIA

DEPARTMENT OF PUBLIC WORKS

Granville R. Welbourn 4/3/71
Chief, Bureau of Highways Date

OFFICE OF PLANNING AND ZONING

J. H. Clawson 3-31-71
Chief Engineer, Division of Land Development Date

STORM DRAIN SHEET

SECTION 1

ELLICOTT CENTER

2ND ELECTION DISTRICT - HOWARD COUNTY, MD.
FEBRUARY 8, 1971
REV. MAY 14, 1971
SCALE: AS SHOWN
SHEET 4 OF 7

PLAN — SURVEYED, PLOTTED, NOTE BOOK, ALIGNMENT CHECKED, NO. OF MH CHECKED, BY, DATE

PROFILE — PLOTTED, GRADES CHECKED, NOTE BOOK, NO. OF STRUCTURE NOTATIONS CHKD., BY, DATE

PLATE 1 PLAN-PROFILE O. P. W. & R. E. STANDARD
100% RAG ASSEPOOT VELLUM - MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

F 71-44
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