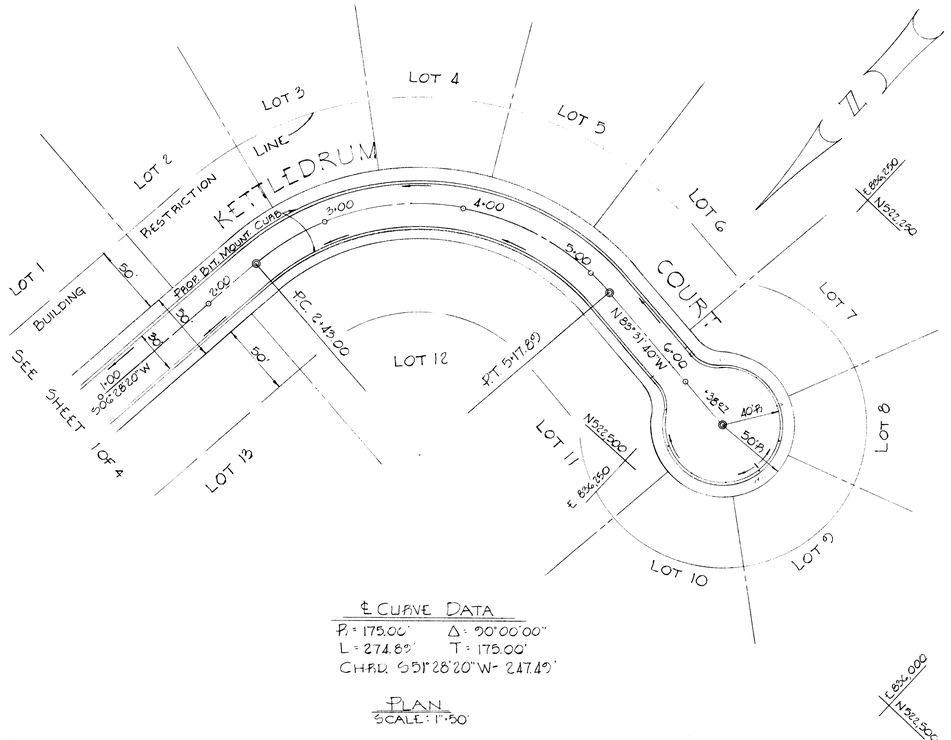
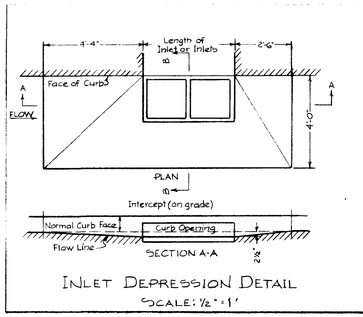


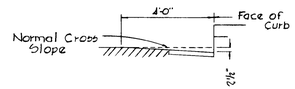
℄ CURVE DATA

R = 175.00' Δ = 90°00'00"
L = 274.89' T = 175.00'
CHRD. S51°28'20"W - 247.49'

PLAN
SCALE: 1"=50'



INLET DEPRESSION DETAIL
SCALE: ½"=1'



SECTION B-B
Scale ½"=1'-0"

STRUCTURE SCHEDULE

No.	Type	Inv In	Inv Out	Top Elev.	Remarks
I-1	Dble "S" Comb.	391.11	390.50	397.88	
I-2	Dble "S" Comb.		392.55	397.88	
I-3	Dble "S" Comb.	394.66	394.31	401.37	Depressed
I-4	Dble "S" Comb.	396.06	395.66	401.37	Depressed
I-5	Dble "S" Comb.		397.56	402.49	Depressed
S-1	6' Area Headwall		389.50	396.65	
S-2	8' Area Headwall	389.91		397.00	

OWNER & DEVELOPER
CHATEAU BUILDERS INC.
2919 MARNAT ROAD
BALTIMORE, MARYLAND

2/19/70
Date

Reg. No. 4015

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

APPROVED: DEPARTMENT OF PUBLIC WORKS

D. N. Weiskamp 4/27/70
CHIEF, BUREAU OF HIGHWAYS Date

APPROVED: OFFICE OF PLANNING & ZONING

J. H. Clawson Jr. 4-13-70
CHIEF ENGINEER, DIVISION OF LAND DEV. Date

PLAN & PROFILE:

KETTLEDRUM COURT

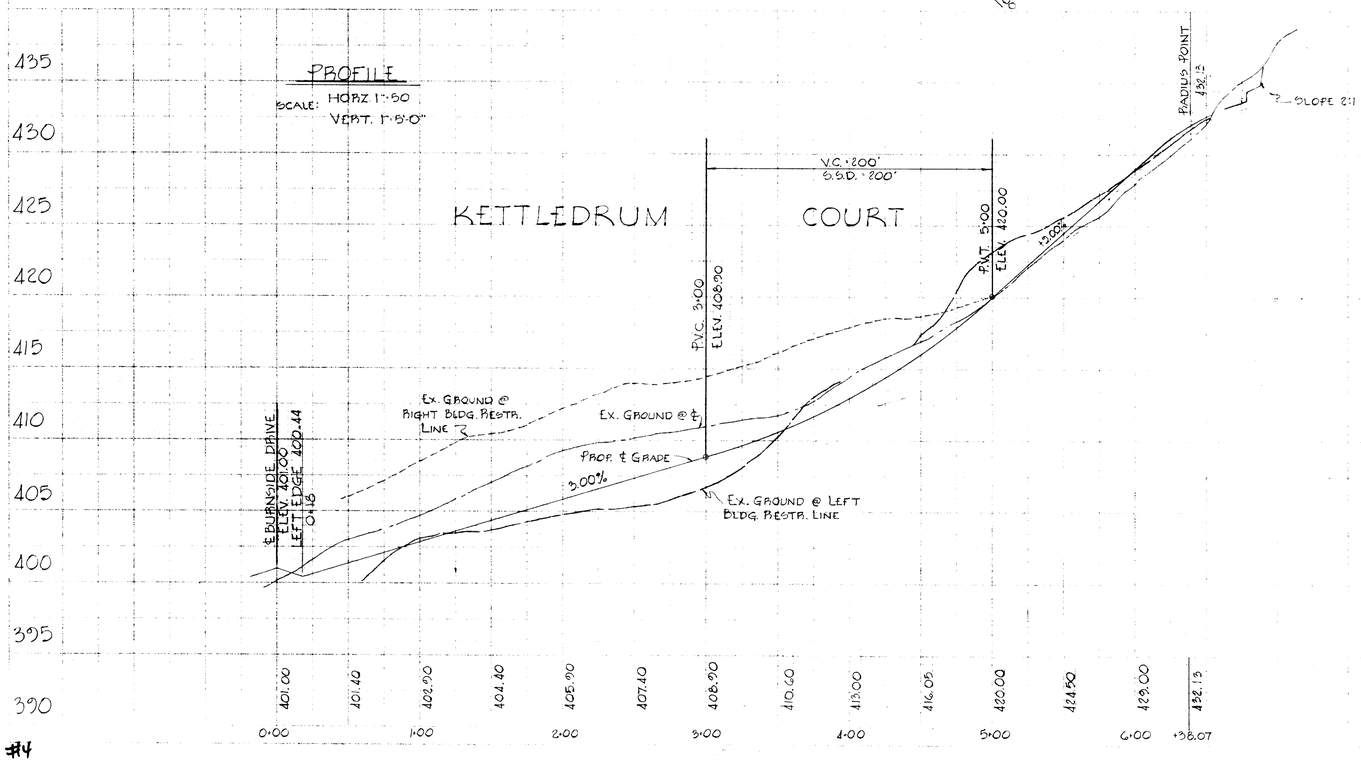
CHATEAU RIDGE

SECTION #2

2ND ELECTION DISTRICT HOWARD COUNTY, MD.

JANUARY 8, 1970 SCALE 1"=50'

SHEET 2 OF 4



#4

F70-57

7

Designed: R.D.C.
Drawn: E.A.D.
Checked: R.D.C.

OWNER & DEVELOPER
CHATEAU BUILDERS INC.
2919 MARNAT ROAD
BALTIMORE, MARYLAND

APPROVED: DEPARTMENT OF PUBLIC WORKS
Granville N. Mehrend 4/27/70
Chief Bureau of Highway Date

APPROVED: OFFICE OF PLANNING AND ZONING
J. H. Clawson 4-13-70
Chief Engineer, Division of Land Development Date

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

4/19/70
DATE

WILLIAM G. JESCHKE II

FLOOD PLAIN PLAN & PROFILE

CHATEAU RIDGE

SECTION 2

2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND

JANUARY 27, 1970 SCALE: AS SHOWN

SHEET No. 3 OF 4

PLAN
SCALE: 1"=50'

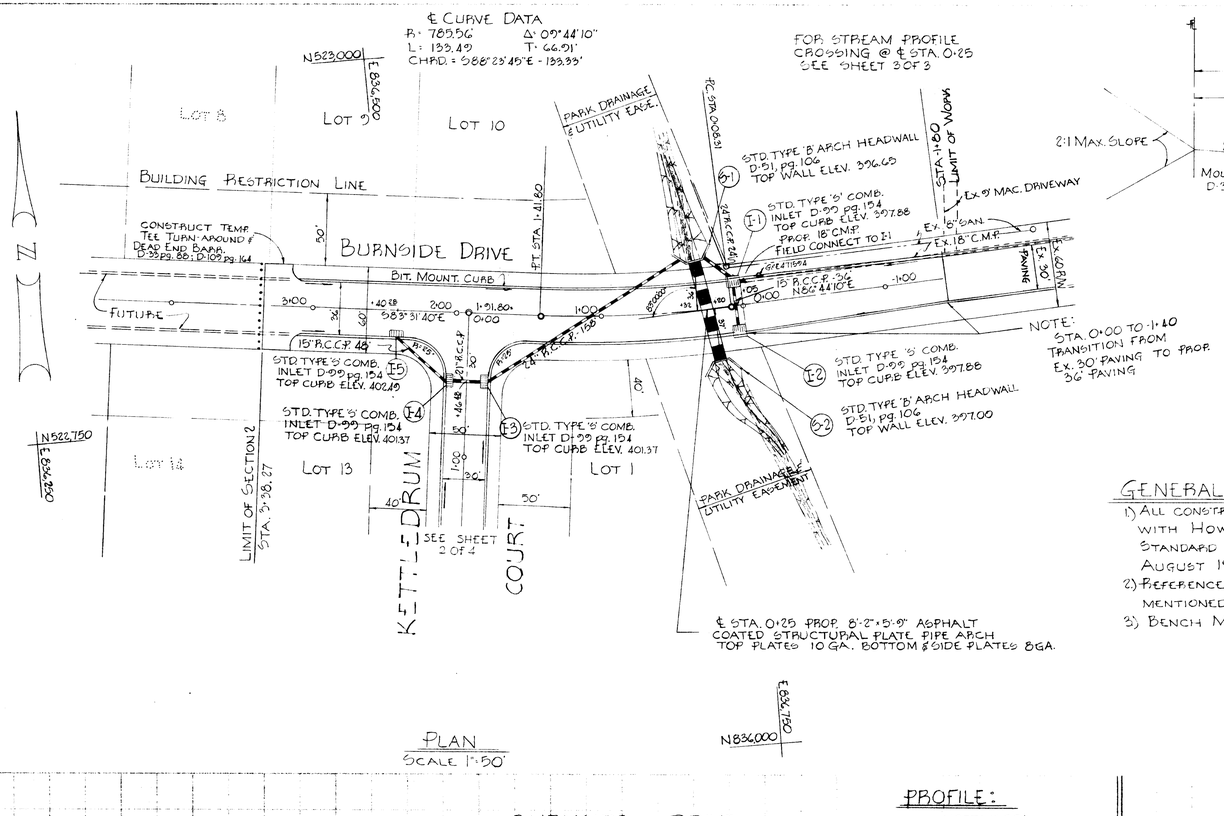
"PARK DRAINAGE AND UTILITY RESERVATION"

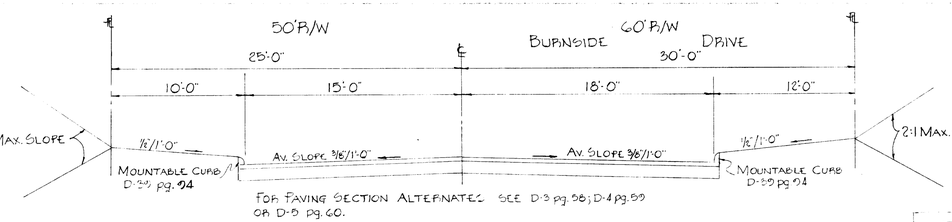
PROFILE
SCALE: HORZ. 1"=50'
VERT. 1"=5'

EARTH CHANNEL DETAIL
NO SCALE

#4

F70-5





TYPICAL SECTION
NOT TO SCALE

GENERAL NOTES

1) ALL CONSTRUCTION SHOWN HEREON SHALL BE IN ACCORDANCE WITH HOWARD COUNTY ROAD CONSTRUCTION CODE AND STANDARD SPECIFICATIONS DATED NOV. 27, 1962 AND REVISED AUGUST 1967
2) REFERENCE TO PAGE AND DRAWING NUMBER REFER TO ABOVE MENTIONED SPECIFICATIONS.
3) BENCH MARKS

BENCH MARK "1" ELEV. 396.05
R.R. SPIKE SET IN "GEE" 471594; NORTH SIDE BURNSIDE 200'± WEST OF INTER. TUSTIN RD. & BURNSIDE DR.

BENCH MARK "2" ELEV. 406.68
ROAD SIDE BONNET BOLT, FIRE HYDRANT AT INTER. TUSTIN RD. & BURNSIDE DR.

OWNER & DEVELOPER

CHATEAU BUILDERS INC.
2919 MARNAT ROAD
BALTIMORE, MARYLAND

2/19/70
Date

Reg. No 4575

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

APPROVED: DEPARTMENT OF PUBLIC WORKS

4/27/70
CHIEF, BUREAU OF HIGHWAYS Date

APPROVED: OFFICE OF PLANNING & ZONING

4-13-70
CHIEF ENGINEER, DIVISION OF LAND DEV. Date

PLAN & PROFILE

BURNSIDE DRIVE

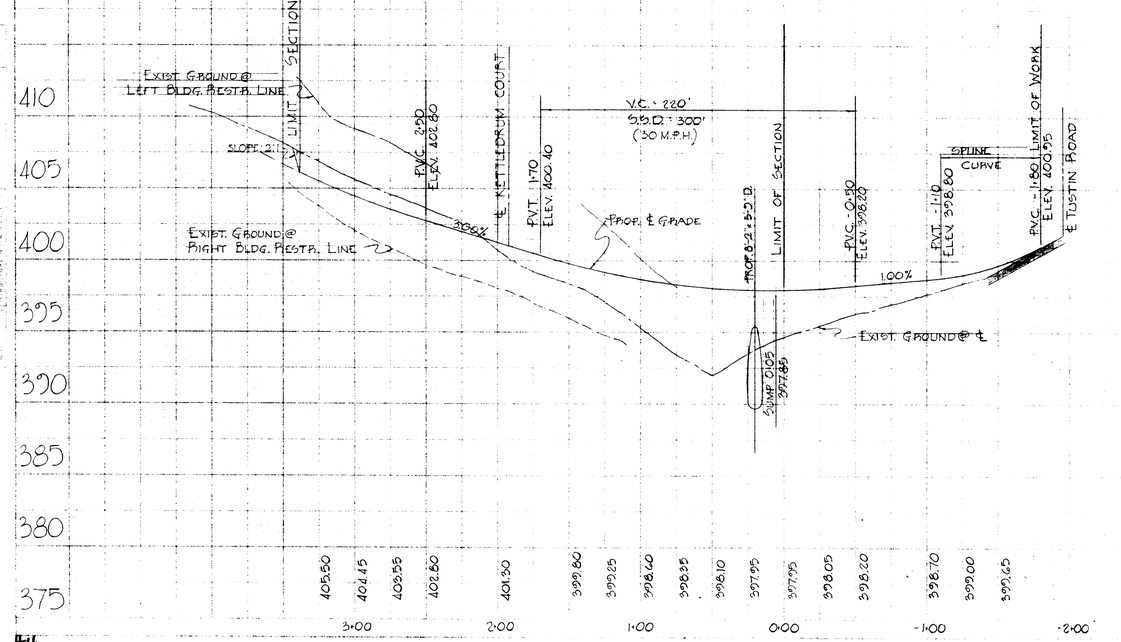
CHATEAU RIDGE

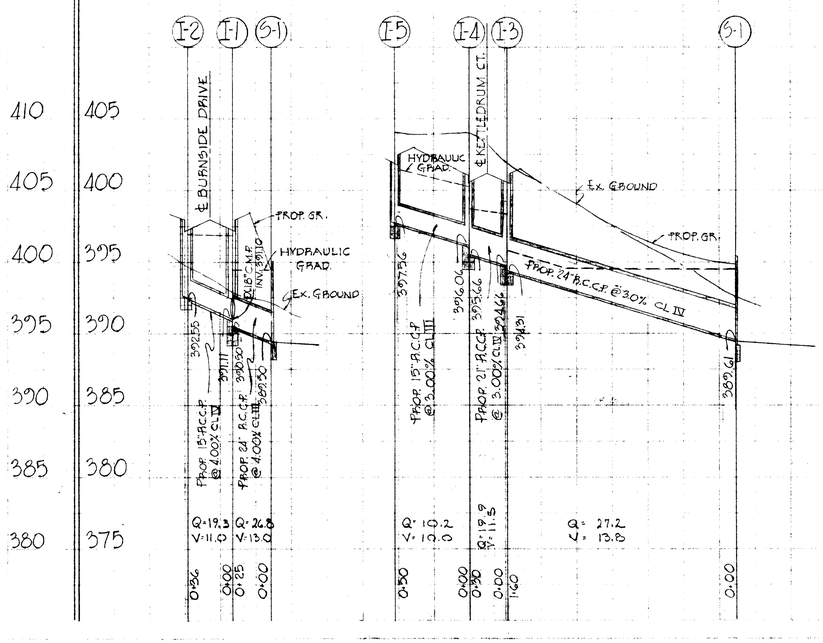
SECTION "2

2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND

JANUARY 8, 1970 SCALE 1"=50'

SHEET 1 OF 4





#4

F 70-57

4/19/70
Date

Reg. No. 4575

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

APPROVED: DEPARTMENT OF PUBLIC WORKS

D. M. Mekemson 4/27/70
Chief, Bureau of Highways Date

APPROVED: OFFICE OF PLANNING & ZONING

J. H. Clawson 4-13-70
Chief Engineer, Division of Land Dev. Date

OWNER & DEVELOPER
CHATEAU BUILDERS, INC.
2919 MARNAT ROAD
BALTIMORE, MARYLAND

FLOOD PLAIN SECTIONS

CHATEAU RIDGE

SECTION #2

2ND ELECTION DISTRICT - HOWARD COUNTY, MD.

FEBRUARY 6, 1970 SCALE: AS SHOWN

SHEET 4 OF 4

STATION 3+65 SECTION A (STATION 5+50) AVERAGE
A = 51.75 sq ft S = 1.6% V = 6.1 ft/sec
P = 45.75' S_f = 0.1265 Q_{50} =
R = 1.13 n = 0.035
$R^{2/3}$ = 1.085 Q_{50} = 315 cfs

PROPOSED PARK, DRAINAGE AND UTILITY RESERVATION
A = 41.0 sq ft R = 1.12 n = 0.035 S_f = 0.1095 Q_{50} = 191.5 CFS
P = 36.5' $R^{2/3}$ = 1.078 S = 1.2% Q_D = 205 CFS V = 5.0 ft/sec.
SLOPE 2% MIN.
PROPOSED FILL
50 YR. FLOOD LEVEL ELEV. 419.60
1' FREEBOARD
INVERT 416.6
STATION 13+65 TO STATION 15+20 AVERAGE
A = 40.0 sq ft S = 2.84%
P = 37.25' S_f = 0.1673
R = 1.07 Q_D = 297.5 cfs
$R^{2/3}$ = 1.046 V = 7.4 ft/sec
n = 0.035 Q_{50} = 197.5 cfs
℄ STR. - STA. 15+20 DATUM 415

PROPOSED PARK, DRAINAGE AND UTILITY RESERVATION
A = 50 sq ft $R^{2/3}$ = 1.117 S_f = 0.1414 Q_D = 336.0 CFS
P = 42.5' S = 2.0% n = 0.035 V = 6.7 ft/sec
R = 1.18
SLOPE 2% MIN.
PROPOSED FILL
50 YR. FLOOD LEVEL ELEV. 394.00
1' FREEBOARD
INVERT 391.2
℄ STR-STA. 3+65 DATUM 390
STATION 1+00 TO STATION 3+65 AVERAGE
A = 60.55 sq ft S = 1.13% V = 5.0 ft/sec
P = 50.75' S_f = 0.1049 Q_D = 325 cfs
R = 1.19 n = 0.035
$R^{2/3}$ = 1.128 Q_{50} = 304 cfs

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

PROPOSED PARK, DRAINAGE AND UTILITY RESERVATION
A = 39.0 sq ft R = 1.03 S = 3.7% n = 0.035 V = 8.4 ft/sec
P = 38' $R^{2/3}$ = 1.02 S_f = 0.1924 Q_{50} = 326.0 CFS
50 YR. FLOOD LEVEL ELEV. 415.35
1' FREEBOARD
SLOPE 2% MIN.
PROPOSED FILL
INVERT 412.20
℄ STR. - STA. 13+65 DATUM 410
STATION 11+90 TO STATION 13+65 AVERAGE
A = 39.5 sq ft S = 2.11% Q_{50} = 253.5 CFS
P = 37' S_f = 0.1450 V = 6.7 ft/sec
R = 1.07 n = 0.035
$R^{2/3}$ = 1.046 Q_D = 268 CFS

PROPOSED PARK, DRAINAGE AND UTILITY RESERVATION
A = 71.1 sq ft R = 1.20 S = 1.8% S_f = 0.1342 n = 0.035 Q_D = 458 CFS V = 6.4 ft/sec.
P = 59' $R^{2/3}$ = 1.128
PROPOSED FILL (BY OTHERS)
50 YR. FLOOD LEVEL ELEV. 390.65
1' FREEBOARD
INVERT 388.2
℄ STR. - STA 1+00 DATUM 385
STATION 0+00 TO STATION 1+00 AVERAGE
A = 70.3 sq ft S = 1.70% V = 6.3 ft/sec.
P = 57.85' S_f = 0.1304 Q_{50} = 425 CFS
R = 1.22 n = 0.035
$R^{2/3}$ = 1.142 Q_D = 445 CFS

PROPOSED PARK, DRAINAGE AND UTILITY RESERVATION
A = 43.5 sq ft S = 2.0% Q_D = 297.0 CFS
P = 36' S_f = 0.1414 V = 6.8 ft/sec
R = 1.21 n = 0.035
$R^{2/3}$ = 1.136
1' FREEBOARD
50 YR. FLOOD LEVEL ELEV. 410.80
INVERT 408.3
SECTION C (STATION 10+30 TO STATION 11+90
A = 50 sq ft S = 1.88%
P = 45.25' S_f = 0.136
R = 1.10 Q_D = 306 cfs
$R^{2/3}$ = 1.065 V = 6.2 ft/sec
n = 0.035 Q_{50} = 283.5 cfs
℄ STR-STA. 11+90 DATUM 405

PROPOSED PARK, DRAINAGE AND UTILITY RESERVATION
A = 69.5 sq ft R = 1.22 S = 1.8% n = 0.035 V = 6.5 ft/sec.
P = 56.7' $R^{2/3}$ = 1.142 S_f = 0.1342 50 YR. FLOOD LEVEL ELEV. 389.25 1' FREEBOARD Q_D = 453 CFS
PROPOSED FILL (BY OTHERS)
INVERT 386.5
℄ STR-STA. 0+00 DATUM 385

#4

F 70-57

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