

City of Gainesville

Inter-Office Communication
Public Works Department
Mail Station 58
334-5070

TO: Wayne Bowers
City Manager

DATE: October 1, 2001

FROM: Teresa Scott
Public Works Director

SUBJECT: Supplement to the Northeast Park Stormwater Task Force Final Report

The structure of the Northeast Park Stormwater Task Force final proposal allows a wide range of outcomes in terms of allowing the various Popejoy development proposals to continue. In support of Options #1 and #2 presented, the Public Works Department is recommending the following additions to these options:

B. Option #1 – the City Commission direct that applications for all funding sources for grants be filed with the administering agencies. These grants, if obtained, will assist with funding the purchase of the portion of the Popejoy property needed for stormwater management. After construction of facilities, the land may be dedicated as park.

Option #2 – the additions below are to create a stormwater treatment and attenuation facility with a goal of compensating for the volumes predicted to leave the park:

1. In addition to the “untreed” area, Public Works recommends to include the soccer field and the land immediately to the west of the noted area between the ditch on the park border and Northeast 2nd Street. Several lots exist there that may be used for stormwater management.
2. In addition to “the runoff from the impervious area of Northeast Park,” Public Works recommends adding the runoff from the rest of the park as the design goal for the facility.

TS/jh

NE PARK AND NE 2ND STREET WATERSHED CHARACTERISTICS

C Causseaux & Ellington, Inc.
Engineering • Surveying • Planning

NE PARK TASK FORCE STUDY
NE PARK VICINITY DRAINAGE MAP
DATE: MAY 23, 2001



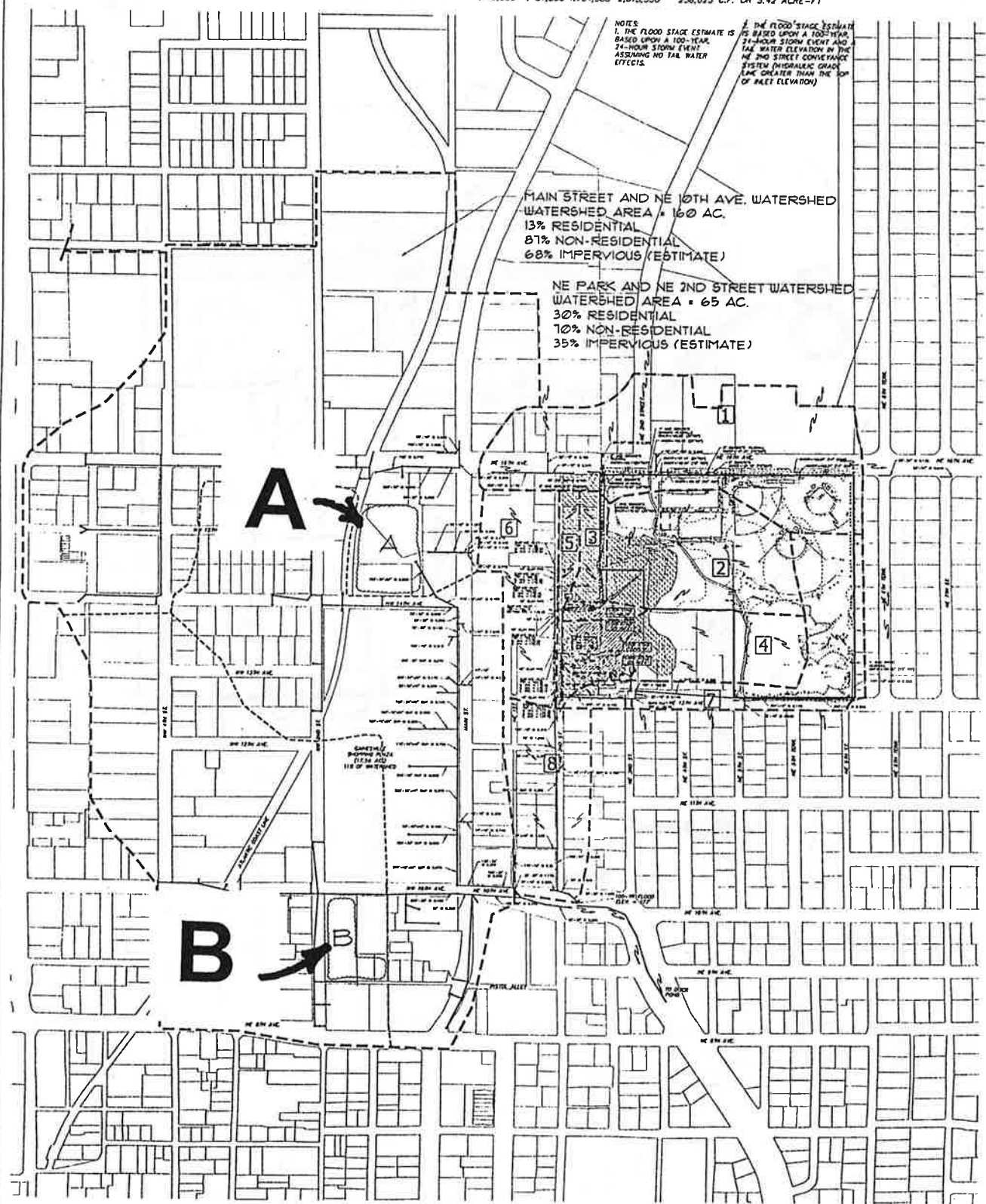
SCALE: 1" = 200'

ID	AREAS (ACRES)	% IMPERVIOUS	SOILTYPE	CN	I_p (in)	$Q_{15}^{(in)}$	$Q_{30}^{(in)}$	$Q_{60}^{(in)}$	$Q_{120}^{(in)}$	$V_{15}^{(in)}$	$V_{30}^{(in)}$	$V_{60}^{(in)}$	$V_{120}^{(in)}$	WQV 1" RUNOFF
1	19.75	44	B/D	91	40	10.1	13.8	15.2	19.8	355,568	490,104	540,903	711,051	71,692 C.F.
2	10.60	14	B/D	87	30	5.3	7.4	8.2	10.7	173,940	245,154	272,156	362,796	38,478 C.F.
3	2.39-32.74	10	B/D	86	20	1.2-16.6	1.7-22.9	1.9-25.3	2.5-33.0	38,710	54,740	60,818	81,234	8,676 C.F.-118,846 C.F.
4	8.62-41.36	16	B/D	87	47	4.1-20.7	5.7-28.6	6.3-31.6	8.3-41.3	142,365	200,338	222,304	296,050	31,290 C.F.-150,136 C.F.
5	1.38	28	B/D	89	20	0.7	1.0	1.1	1.5	23,672	33,003	36,535	48,376	5,010 C.F.
6	6.86	87	B/D	96	35	3.8	5.1	5.6	7.2	139,178	186,819	204,716	264,445	24,902 C.F.
7	8.42	37	B/D	90	60	4.0	5.5	6.1	7.9	148,458	205,632	227,230	299,652	30,565 C.F.
8	7.00	39	B/D	90	33	3.6	5.0	5.5	7.2	124,165	171,740	189,715	248,946	25,410 C.F.
9	65.02					32.8	45.2	49.9	65.1	1,146,056	1,487,530	1,754,365	2,313,550	236,073 C.F. OR 5.42 ACRE-FT

NOTES
1. THE FLOOD STAGE ESTIMATE IS BASED UPON A 100-YEAR, 24-HOUR STORM EVENT ASSUMING NO TAIL WATER EFFECTS.
2. THE FLOOD STAGE ESTIMATE IS BASED UPON A 100-YEAR, 24-HOUR STORM EVENT AND THE WATER ELEVATION IN THE NE PARK VICINITY DRAINAGE SYSTEM (HYDRAULIC GRADE LINE GREATER THAN THE TOP OF INLET ELEVATION)

MAIN STREET AND NE 10TH AVE. WATERSHED
WATERSHED AREA = 160 AC.
13% RESIDENTIAL
87% NON-RESIDENTIAL
68% IMPERVIOUS (ESTIMATE)

NE PARK AND NE 2ND STREET WATERSHED
WATERSHED AREA = 65 AC.
30% RESIDENTIAL
70% NON-RESIDENTIAL
35% IMPERVIOUS (ESTIMATE)



MAIN STREET AND NE 10TH AVENUE WATERSHED

ID	WATERSHED AREAS (ACRES)	SITE DESCRIPTION	PARCEL SIZE (ACRES)	WQV 1" RUNOFF	REQUIRED DEPTH FOR WQV
A	68.10	VACANT/WOODED WITH RC TRACK SOUTH SIDE	3.1	5.7 AC. FT.	1.9 FT.
B	45.70	VACANT/WOODED WITH ONE SINGLE-FAMILY RESIDENCE	1.8	3.8 AC. FT.	2.1 FT.

C. Coussiaux & Ellington, Inc.
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NE PARK TASK FORCE STUDY
NE PARK VICINITY DRAINAGE MAP
AND SMF LOCATION EVALUATION

DATE: MAY 29, 200

SMF OPTION 2



SCALE: 1" = 100'

