

NE PARK AND NE 2ND STREET WATERSHED CHARACTERISTICS

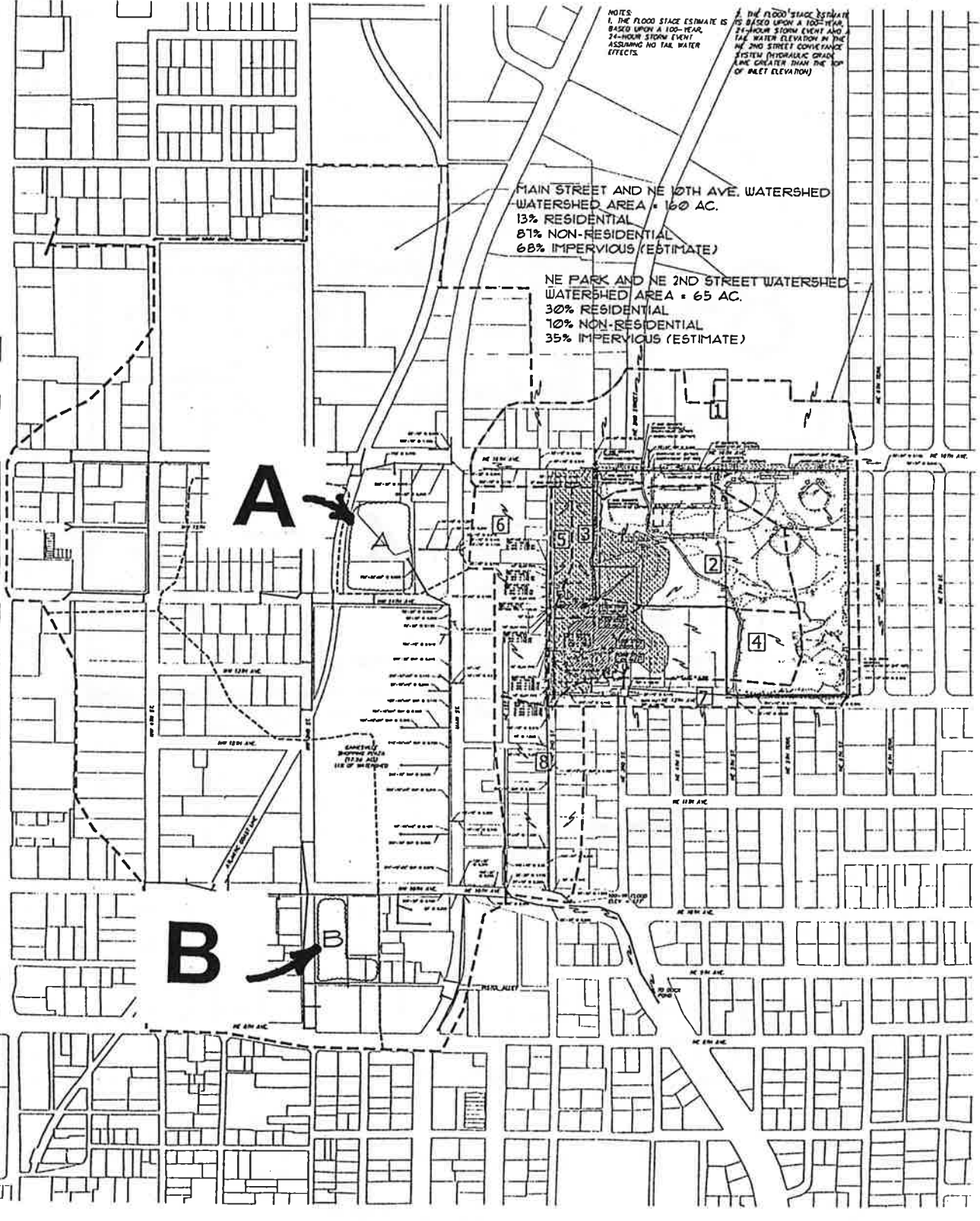
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NE PARK TASK FORCE STUDY
 NE PARK VICINITY DRAINAGE MAP
 DATE: MAY 23, 2001



SCALE: 1" = 200'

| ID | AREAS (ACRES) | % IMPERVIOUS | SOILTYPE | CN | $T_{c(m)}$ | $Q_{100(m)}$ | $Q_{100(fw)}$ | $Q_{100(m)}$ | $Q_{100(fw)}$ | V_{100} | V_{100} | V_{100} | V_{100} | NOTV 1" RUNOFF | |
|----|---------------|--------------|----------|-----|------------|--------------|---------------|--------------|---------------|-----------|-----------|-----------|-----------|------------------------------|--------------|
| 1 | 18.75 | 44 | B/D | 91 | 40 | 10.1 | 13.8 | 15.2 | 19.8 | 355,568 | 490,104 | 540,903 | 711,091 | 71,692 C.F. | |
| 2 | 10.00 | 14 | B/D | 87 | 30 | 5.3 | 7.4 | 8.2 | 10.7 | 173,940 | 245,154 | 272,156 | 362,796 | 36,478 C.F. | |
| 3 | 7.39 | 32.74 | 10 | B/D | 86 | 20 | 1.2 | 1.2 | 2.5 | 38,710 | 54,740 | 60,818 | 81,234 | 8,676 C.F. | |
| 4 | 8.62 | 41.36 | 16 | B/D | 87 | 47 | 4.1 | 20.7 | 5.7 | 28.6 | 6.3 | 31.6 | 41.3 | 118,846 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 | 150,136 C.F. |
| 6 | 8.85 | | 87 | B/D | 96 | 35 | 3.8 | 5.1 | 5.8 | 7.2 | 139,178 | 188,819 | 204,716 | 264,445 | 5,010 C.F. |
| 7 | 8.42 | | 37 | B/D | 80 | 4.0 | 5.5 | 6.1 | 7.9 | 148,458 | 205,632 | 227,230 | 299,652 | 24,902 C.F. | |
| 8 | 7.00 | | 39 | B/D | 90 | 3.6 | 5.0 | 5.5 | 7.2 | 124,165 | 171,740 | 189,715 | 249,946 | 30,565 C.F. | |
| 9 | 65.02 | | | | | | 37.8 | 45.2 | 48.9 | 65.1 | 1,146,056 | 1,487,530 | 1,754,365 | 2,313,550 | 25,410 C.F. |
| | | | | | | | | | | | | | | 236,023 C.F. OR 5.42 ACRE-FT | |



NOTES
 1. THE FLOOD STAGE ESTIMATE IS BASED UPON A 100-YEAR, 24-HOUR STORM EVENT AND THE WATER ELEVATION IN THE 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 2ND STREET CONVEYANCE SYSTEM (HYDRAULIC GRADE LINE GREATER THAN THE TOP OF RAFT 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) | NOTV 1" RUNOFF | REQUIRED DEPTH FOR NOTV |
|----|-------------------------|--|---------------------|----------------|-------------------------|
| 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. |

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**NE PARK TASK FORCE STUDY
 NE PARK VICINITY DRAINAGE MAP
 AND SMF LOCATION EVALUATION**

SMF OPTION 2

DATE: MAY 29, 200

