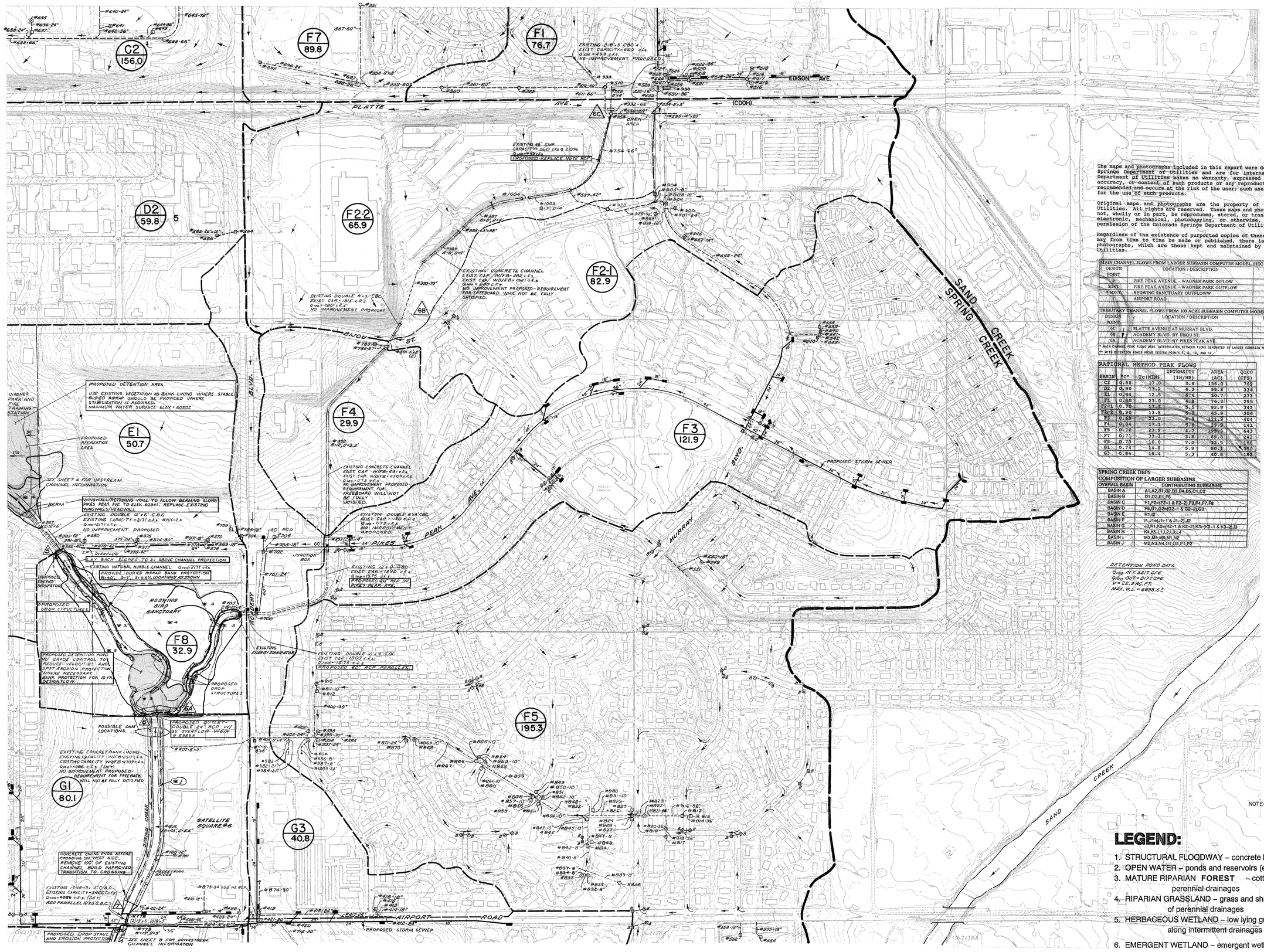


MAIN CHANNEL FLOWS FROM LARGER SUBBASIN COMPUTER MODEL (HEC-1)		
DESIGN POINT	LOCATION / DESCRIPTION	PEAK FLOW **(CFS)
3	PIKE PEAK AVENUE - WAGNER PARK INFLOW	3,022
3DET	PIKE PEAK AVENUE - WAGNER PARK OUTFLOW	2,171
4 (NOTE 1)	REDWING SANCTUARY OUTFLOW	3,177
7	AIRPORT ROAD	4,086

TRIBUTARY CHANNEL FLOWS FROM 100 ACRE SUBBASIN COMPUTER MODEL		
DESIGN POINT	LOCATION / DESCRIPTION	PEAK FLOW (CFS)
6C	PLATTE AVENUE AT MURRAY BLVD.	493
6B	ACADEMY BLVD. BY BIJOU ST.	1,063
6A	ACADEMY BLVD. BY PIKES PEAK AVE.	1,575

* MAIN CHANNEL PEAK FLOWS WERE INTERPOLATED BETWEEN FLOWS GENERATED IN LARGER SUBBASIN MODEL
** WITH DETENTION PONDS ABOVE DESIGN POINTS 5, 6, 10, AND 14.

RATIONAL METHOD PEAK FLOWS					
BASIN	"C"	Tc (MIN)	INTENSITY (IN/HR)	AREA (AC)	Q100 (CFS)
C2	0.88	17.0	5.6	156.0	769
D2	0.90	13.2	6.2	59.8	334
E1	0.84	12.5	6.4	50.7	273
F1	0.80	23.0	4.8	76.7	265
F2-1	0.78	17.5	5.5	82.9	362
F2-2	0.90	13.8	6.0	65.9	356
F3	0.69	22.0	4.8	121.9	404
F4	0.84	17.1	5.9	29.9	141
F5	0.70	23.9	4.7	195.3	643
F7	0.71	23.2	3.8	89.8	242
F8	0.73	10.0	7.0	32.9	168
G1	0.74	14.8	5.9	80.1	350
G3	0.84	18.4	5.3	40.8	182

SPRING CREEK DBPS COMPOSITION OF LARGER SUBBASINS	
OVERALL BASIN	CONTRIBUTING SUBBASINS
BASIN A	A1,A2,B1,B2,B3,B4,B5,C1,C2
BASIN B	D1,D2,E1,F6
BASIN C	F1,F2=(F2-1 & F2-2),F3,F4,F7,F8
BASIN D	F5,G1,G2=(G2-1 & G2-2),G3
BASIN E	H1,I2
BASIN F	I1,J1=(J1-1 & J1-2),J2
BASIN G	J3,K1,K2=(K2-1 & K2-2),K3=(K3-1 & K3-2),I3
BASIN H	K4,K5,L1,L2,L3,L4
BASIN I	M3,M4,M5,N1,N2
BASIN J	M2,N3,N4,O1,O2,P1,P2

DETENTION POND DATA
Q_{100} IN = 3317 CFS
Q_{100} OUT = 317 CFS
V = 21 AC. FT.
MAX. W.L. = 5998.5'

NOTE: ALL PROPOSED INLETS ARE ASSUMED TO BE 12' D-10-R, UNLESS OTHERWISE NOTED.

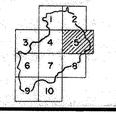
LEGEND:

1. STRUCTURAL FLOODWAY – concrete lined or rip-rap channels
2. OPEN WATER – ponds and reservoirs (excludes flowing channel)
3. MATURE RIPARIAN **FOREST** – cottonwood and willow along perennial drainages
4. RIPARIAN GRASSLAND – grass and shrub depressions in the floodplains of perennial drainages
5. HERBACEOUS WETLAND – low lying grassy and weedy areas along intermittent drainages
6. EMERGENT WETLAND – emergent wetlands along ponds or stream channels

LEGEND:

- A2 / 50.1 — BASIN DESIGNATION / BASIN AREA (AC.)
- 1 — DESIGN POINT
- MAJOR BASIN BOUNDARY
- SUB-BASIN BOUNDARY
- CITY LIMITS
- B - BUBBLER #10 (STRUCTURE NO.)
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- EXIST. CROSS CULVERT OR BRIDGE
- PROP. CROSS CULVERT OR BRIDGE
- EXIST. BANK LINING WITH NO CHANGE
- EXIST. BANK LINING INCREASE DEPTH
- PROPOSED BANK LINING
- PROPOSED DROP STRUCTURE
- 8 — ENVIRONMENTAL CLASSIFICATION

SHEET INDEX



URS CONSULTANTS MAKING TECHNOLOGY WORK™

PROJECT:
SPRING CREEK DRAINAGE BASIN PLANNING STUDY – DRAINAGE PLAN

SCALE: 1" = 200' (0 – 600) CONTOUR INTERVAL = 2'

FIGURE 11 SHEET 5 OF 10