MAIN CHANNEL FLOWS FROM LARGER SUBBASIN COMPUTER MODEL (HEC-1)		
DESIGN POINT	LOCATION / DESCRIPTION	PEAK FLOW **(CFS)
3	PLATTE AVENUE	2,320
* 4	BIJOU STREET	2,787

TRIBUTARY CHANNEL FLOWS FROM 100 ACRE SUBBASIN COMPUTER MODEL		
DESIGN POINT	LOCATION / DESCRIPTION	PEAK FLOW (CFS)
10B	AIRPORT ROAD BY CIRCLE DR.	1,070

* 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)
B4	0.77	14.1	6.0	74.8	346
C2	0.88	17.0	5.6	156.0	769
D1	0.87	20.8	5.0	89.4	389
F6	0.63	13.6	6.1	45.4	174
G1	0.74	14.8	5.9	80.1	350
J1-1	0.69	15.8	5.6	82.3	318
J1-2	0.63	20.6	5.0	80.2	253
J2	0.58	20.4	5.1	104.4	309
K1	0.80	24.5	4.6	153.9	566
K2-1	0.65	23.5	4.7	134.9	412
K2-2	0.66	14.7	5.9	39.1	152

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,F2w(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
Q100 IN = 3022 CFS
Q100 OUT = 2171 CFS
V = 24.7 AC.FT.
MAX. W.S. = 6030.11

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

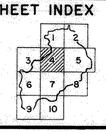
LEGEND:

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



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PROJECT:
SPRING CREEK DRAINAGE BASIN
PLANNING STUDY – DRAINAGE PLAN

SCALE: 1" = 200' CONTOUR INTERVAL = 2'
FIGURE 10 SHEET 4 OF 10