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MAIN CHANNEL FLOWS FROM LARGER SUBBASIN COMPUTER MODEL (IBC-1)		
DESIGN POINT	LOCATION / DESCRIPTION	PEAK FLOW (CFS)
S	PIKE PEAK AVENUE - WAGNER PARK INFLOW	3,022
SDRT	PIKE PEAK AVENUE - WAGNER PARK OUTFLOW	2,171
WAGN	REWEAVING SANCTUARY OUTFLOW	3,177
AIRP	AIRPORT ROAD	4,086

TRIBUTARY CHANNEL FLOWS FROM 100 ACRE SUBBASIN COMPUTER MODEL		
DESIGN POINT	LOCATION / DESCRIPTION	PEAK FLOW (CFS)
CC	PLATTE AVENUE AT MURRAY BLVD.	493
AC	ACADEMY BLVD. BY BIVOUX ST.	1,083
AV	ACADEMY BLVD. BY PIKE PEAK AVE.	1,375

RATIONAL METHOD PEAK FLOWS				
DESIGN POINT	DESIGN INTENSITY (IN/HR)	AREA (AC)	Q100 (CFS)	Q10 (CFS)
C2	0.88	37.0	3.6	126.0
D2	0.90	19.2	6.2	59.8
E1	0.84	12.5	6.4	30.7
F1	0.80	21.0	3.8	126.0
F2-1	0.75	17.5	5.5	82.9
F2-2	0.90	13.8	6.0	58.9
F3	0.55	38.0	4.6	121.9
F4	0.84	17.1	5.6	43.9
F5	0.70	23.9	4.7	159.4
F7	0.72	39.3	3.8	82.8
F8	0.74	11.0	7.0	32.3
G1	0.74	14.8	5.9	60.3
G3	0.84	18.4	5.3	40.8

SPRING CREEK DBPS	
OVERLAY BASIN	CONTRIBUTING SUBBASINS
BASIN A	A1, A2, B1, B2, B3, B4, B5, C, D2
BASIN B	D1, D2, E1, F6
BASIN C	F1, F2, F3, F4, F5, F7, F8
BASIN D	F5, B1, C, D2, E1, F6, G2, G3, G5
BASIN E	H1, H2
BASIN F	H1, H2, J1, J2, J3, J4, J5
BASIN G	J1, J2, J3, J4, J5, K1, K2, K3, K4, K5, K6, K7, K8, K9, K10, K11, K12, K13, K14, K15, K16, K17, K18, K19, K20, K21, K22, K23, K24, K25, K26, K27, K28, K29, K30, K31, K32, K33, K34, K35, K36, K37, K38, K39, K40, K41, K42, K43, K44, K45, K46, K47, K48, K49, K50, K51, K52, K53, K54, K55, K56, K57, K58, K59, K60, K61, K62, K63, K64, K65, K66, K67, K68, K69, K70, K71, K72, K73, K74, K75, K76, K77, K78, K79, K80, K81, K82, K83, K84, K85, K86, K87, K88, K89, K90, K91, K92, K93, K94, K95, K96, K97, K98, K99, K100
BASIN H	K1, K2, L1, L2, L3, L4
BASIN I	M1, M2, M3, M4, M5, M6, M7, M8, M9, M10
BASIN J	N1, N2, N3, N4, N5, N6, N7, N8, N9, N10

DETENTION POND DATA  
 Q100 IN = 3317 CFS  
 Q100 OUT = 3177 CFS  
 AT EL. 5060 FT.  
 MAX. W.L. = 5088 FT.

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

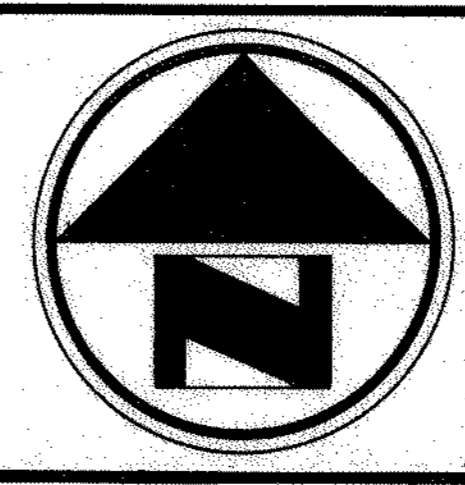
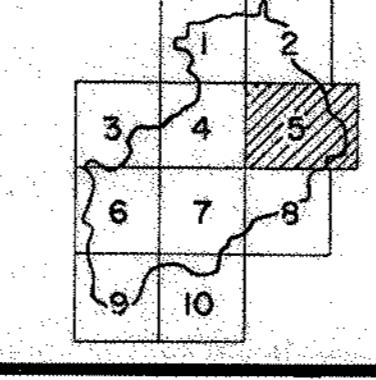
**LEGEND:**

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.)
- ▲ DESIGN POINT
- MAJOR BASIN BOUNDARY
- SUB-BASIN BOUNDARY
- CITY LIMITS
- 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
- ENVIRONMENTAL CLASSIFICATION

**SHEET INDEX**



PROJECT :  
 SPRING CREEK DRAINAGE BASIN  
 PLANNING STUDY - DRAINAGE PLAN  
 SCALE : 1" = 200'      CONTOUR INTERVAL = 2'  
 FIGURE 11      SHEET 5 OF 10