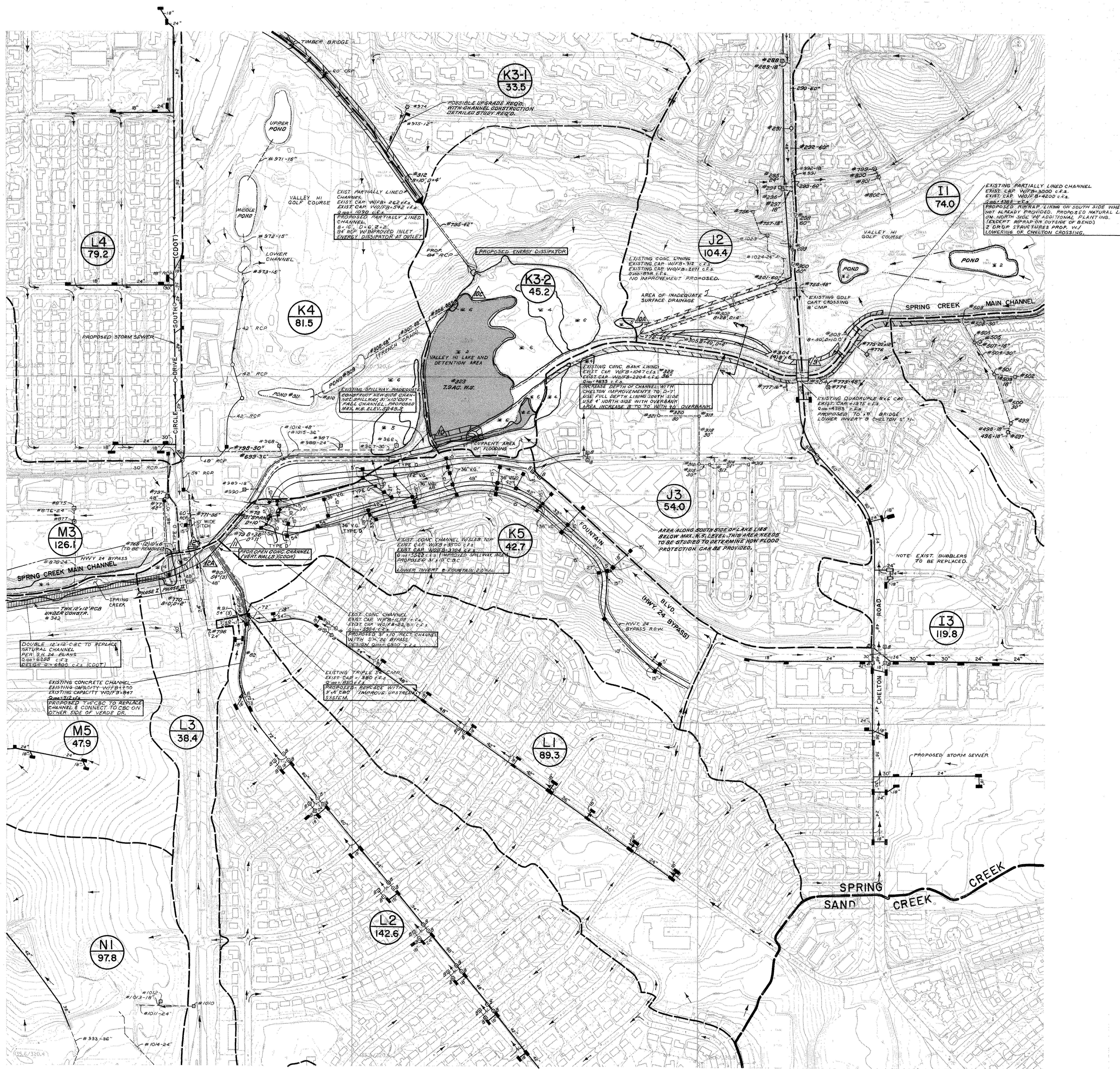


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MAIN CHANNEL FLOWS FROM LARGER SUBBASIN COMPUTER MODEL (IBC-1)

DESIGN POINT	LOCATION / DESCRIPTION	PEAK FLOW (CFS)
9 UPPER	JUST UPSTREAM OF CHELTON ROAD	4,383
9 LOWER	FIRST DOWNSTREAM OF CHELTON ROAD	4,331
10	VALLEY HIGH LAKE INFLOW	6,304
10DET	VALLEY HIGH LAKE RELEASE	5,522
*11	FOUNTAIN BLVD.	5,585
12	CIRCLE DR.	6,253

TRIBUTARY CHANNEL FLOWS FROM 100 ACRE SUBBASIN COMPUTER MODEL

DESIGN POINT	LOCATION / DESCRIPTION	PEAK FLOW (CFS)
10A	NORTHEAST SIDE OF VALLEY HI LAKE	898
10C	NORTHWEST SIDE OF VALLEY HI LAKE	1,161
12A	SOUTH OF CIRCLE DR. & FOUNTAIN BLVD.	840

* MAIN CHANNEL PEAK FLOW WERE INTERPOLATED BETWEEN FLOW GENERATED IN LARGER SUBBASIN MODEL.
 ** WITH RESERVOIR POND ABOVE DESIGN POINTS 5, 6, 10, AND 14.

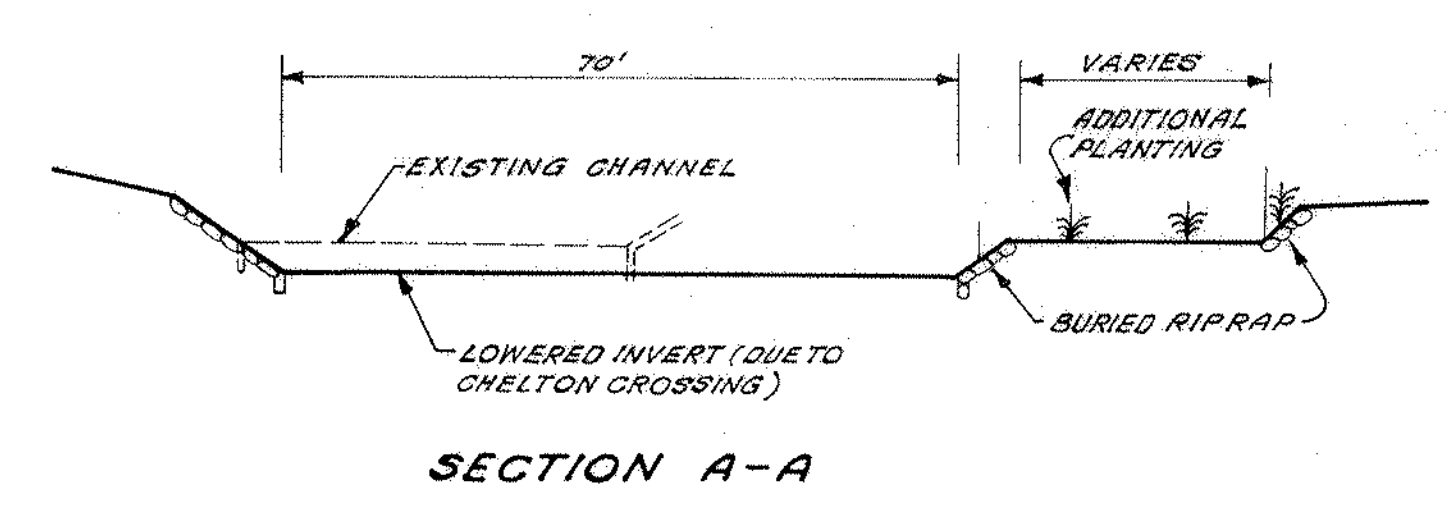
RATIONAL METHOD PEAK FLOWS

BASIN	C ²	Tc (MIN)	INTENSITY (IN/HR)	AREA (AC)	Q100 (CFS)
I1	0.57	13.7	6.3	74.0	257
I3	0.75	20.6	6.0	119.8	449
J2	0.58	20.4	5.3	104.4	309
J3	0.74	22.2	4.8	144.0	392
K3-1	0.51	26.8	4.5	33.5	77
K3-2	0.51	30.0	7.0	45.2	193
K4	0.53	20.7	5.0	81.5	257
K5	0.80	18.2	5.4	42.7	184
L1	0.73	14.5	6.9	89.3	385
L2	0.71	17.9	6.4	142.6	547
L3	0.78	18.9	6.3	38.4	159
L4	0.69	18.5	6.3	79.2	290
M3	0.73	22.3	4.8	126.1	420
M5	0.85	21.4	4.9	47.9	200
N3	0.90	17.0	5.6	97.8	493

SPRING CREEK DDBS 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, F3, F4, F5, F7, F8
BASIN D	F5, G1, G2, G3, G4, G5, G6, G7
BASIN E	H1, H2
BASIN F	I1, J1, J2, J3, J4, J5, J6, J7, J8
BASIN G	K1, K2, K3, K4, K5, K6, K7, K8, K9, K10, K11, K12, K13, K14
BASIN H	K4, K5, L1, L2, L3, L4
BASIN I	M3, M4, M5, N1, N2
BASIN J	M2, N3, N4, O1, O2, P1, P2

RETENTION POND DATA
 Q100 IN = 8304 CFS
 Q100 OUT = 5522 CFS
 1" = 16.8 MG PD
 MAX. W.L. = 5498.9'



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

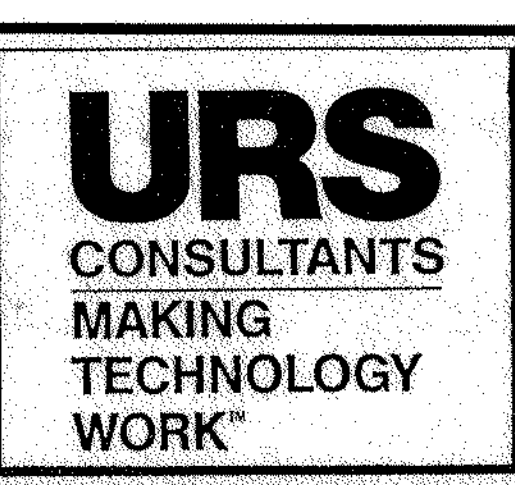
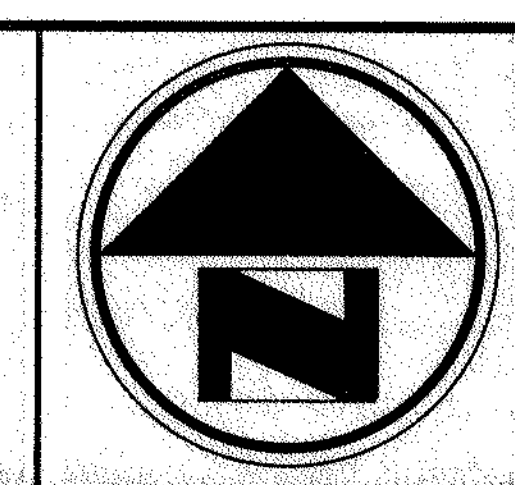
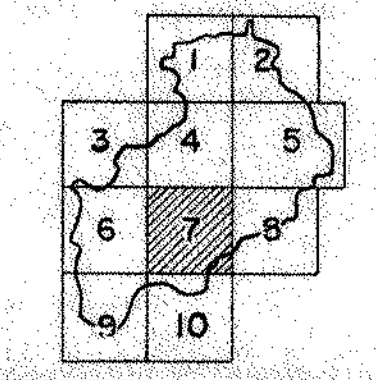
LEGEND:

- 1. STRUCTURAL FLOODWAY - concrete lined or rip-rap channel
- 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
- (A2 50.1) 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
- B-BUBBLER #10 (STRUCTURE NO.)

SHEET INDEX



PROJECT:
 SPRING CREEK DRAINAGE BASIN
 PLANNING STUDY - DRAINAGE PLAN
 SCALE: 1" = 200' CONTOUR INTERVAL = 2'
 FIGURE 13 SHEET 7 OF 10