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| DESIGN POINT | LOCATION / DESCRIPTION | PEAK FLOW *(CFS) |
|--------------|---------------------------|---------------------|
| #2 | 1/2 WAY AIRPORT & CHELTON | 4,325 |

* MAIN CHANNEL PEAK FLOWS WERE INTERPOLATED BETWEEN PLUGS GENERATED IN LARGER SUBBASIN MODEL
** WITH OBSERVATION POINTS ABOVE DESIGN POINTS 5, 6, 10, AND 11

| BASIN | "C" | Tc (MIN) | INTENSITY (IN/HR) | AREA (AC) | Q100 (CFS) |
|-------|------|----------|----------------------|--------------|---------------|
| F5 | 0.70 | 23.9 | 4.7 | 195.3 | 643 |
| G2-1 | 0.67 | 13.7 | 6.1 | 69.5 | 284 |
| G2-2 | 0.70 | 14.2 | 6.0 | 57.5 | 241 |
| H1 | 0.82 | 18.7 | 5.3 | 138.6 | 602 |
| I2 | 0.72 | 14.3 | 5.9 | 45.3 | 192 |
| I3 | 0.75 | 20.6 | 5.0 | 119.8 | 449 |

| OVERALL BASIN | CONTRIBUTING SUBBASINS |
|---------------|--|
| BASIN A | A1, A2, B1, B2, B3, B4, B5, C1, C2 |
| BASIN B | D1, D2, E1, F8 |
| BASIN C | F1, F2, F3, F4, F5, F6, F7, F8 |
| BASIN D | F5, G1, G2, G3, H1, H2, H3 |
| BASIN E | H1, H2 |
| BASIN F | H1, H2, H3, H4, H5, H6, H7, H8, H9, H10, H11, H12 |
| BASIN G | J3, 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 | K4, K5, L1, L2, L3, L4 |
| BASIN I | M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28, M29, M30, M31, M32, M33, M34, M35, M36, M37, M38, M39, M40, M41, M42, M43, M44, M45, M46, M47, M48, M49, M50, M51, M52, M53, M54, M55, M56, M57, M58, M59, M60, M61, M62, M63, M64, M65, M66, M67, M68, M69, M70, M71, M72, M73, M74, M75, M76, M77, M78, M79, M80, M81, M82, M83, M84, M85, M86, M87, M88, M89, M90, M91, M92, M93, M94, M95, M96, M97, M98, M99, M100 |
| BASIN J | M2, N3, N4, O1, O2, P1, P2 |

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

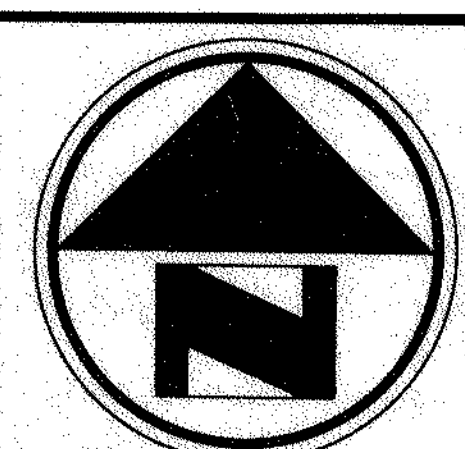
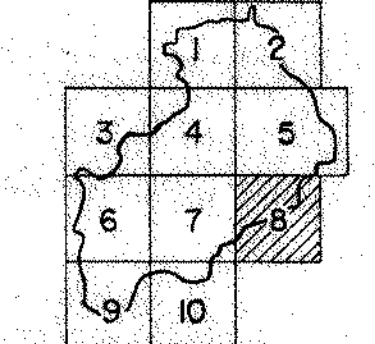
LEGEND:

- * 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
- (50.1) BASIN AREA (AC.)
- ▲ DESIGN POINT
- MAJOR BASIN BOUNDARY
- SUB-BASIN BOUNDARY
- CITY LIMITS
- B-BUBBLER (B TO 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
- ENVIRONMENTAL CLASSIFICATION

SHEET INDEX



PROJECT:
SPRING CREEK DRAINAGE BASIN
PLANNING STUDY - DRAINAGE PLAN
 SCALE: 1" = 200'
 CONTOUR INTERVAL = 2'
 FIGURE 14 SHEET 8 OF 10