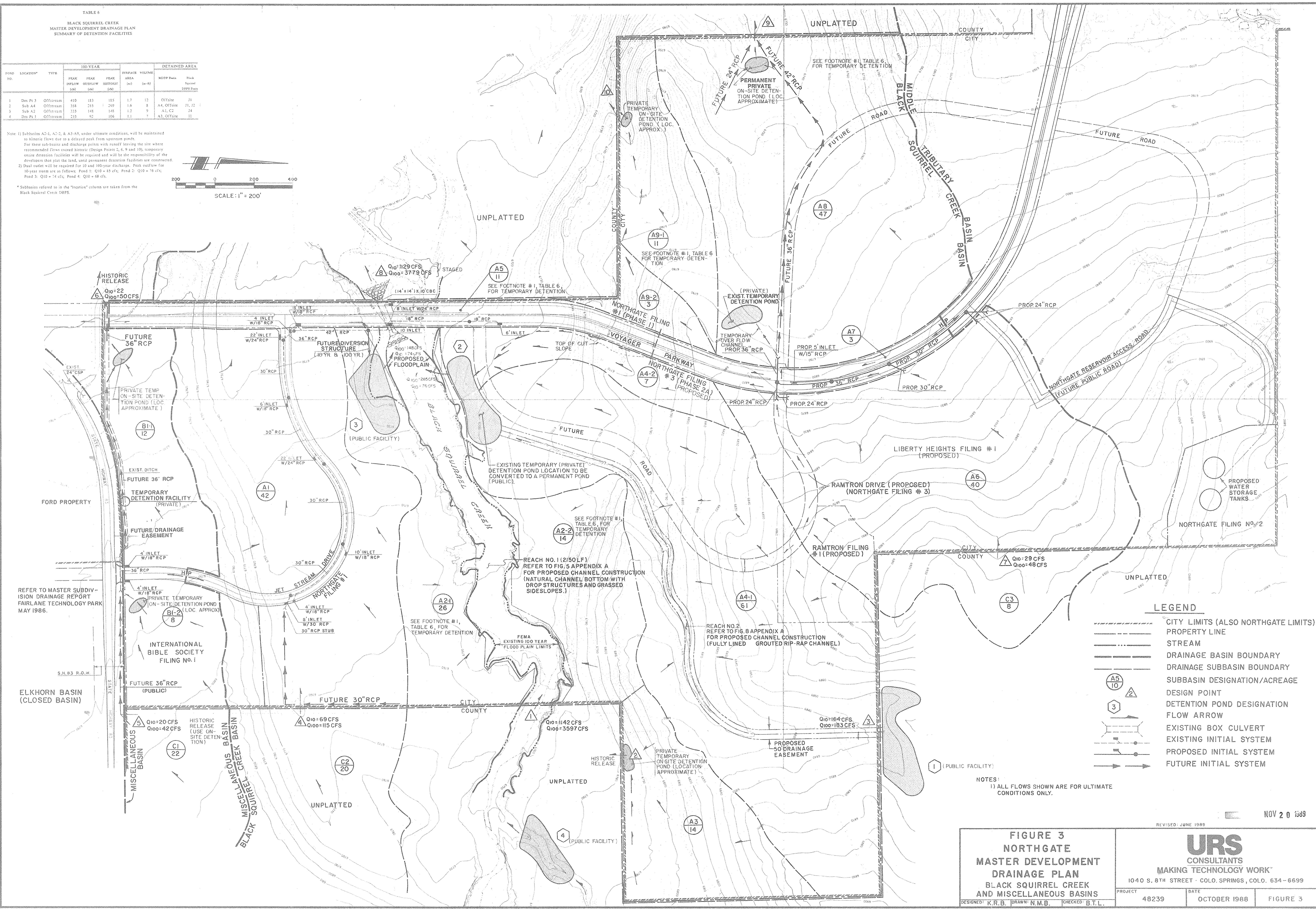
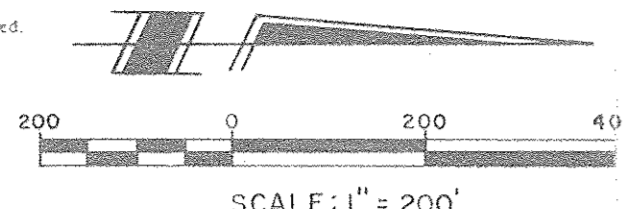


TABLE 6
BLACK SQUIRREL CREEK
MASTER DEVELOPMENT DRAINAGE PLAN
SUMMARY OF DETENTION FACILITIES

POND NO.	LOCATION*	TYPE	100-YEAR			DETAINED AREA	
			PEAK INFLOW (CFS)	PEAK OUTFLOW (CFS)	PEAK HEIGHT (FOOT)	AREA (AC)	DEPT (FEET)
1	Des Pt 3	Offstream	410	183	18.5	1.7	12
2	Sub A4	Offstream	358	215	25.9	1.6	8
3	Sub A2	Offstream	333	148	14.1	1.2	9
4	Des Pt 1	Offstream	233	62	10.6	1.1	7

Note: 1) Subbasins A2-1, A2-2, & A3-A9, under ultimate conditions, will be maintained so historic flows due to a delayed peak from upstream ponds.
For these subbasins and discharge points with runoff leaving the site where recommended flows exceed historic (Design Points 2, 6, 9 and 10), temporary on-site detention facilities will be required and will be the responsibility of the developers that plat the land, until permanent detention facilities are constructed.
2) Dual outlet will be required for 10 and 100-year discharge. Peak outflow for 10-year storm as follows: Pond 1: Q10 = 85 cfs; Pond 2: Q10 = 76 cfs; Pond 3: Q10 = 74 cfs; Pond 4: Q10 = 68 cfs.

* Subbasins referred to in the "location" column are taken from the Black Squirrel Creek DMPs.



LEGEND

- CITY LIMITS (ALSO NORTHGATE LIMITS)
- PROPERTY LINE
- STREAM
- DRAINAGE BASIN BOUNDARY
- DRAINAGE SUBBASIN BOUNDARY
- A5/10 DESIGN POINT
- △ 2 DETENTION POND DESIGNATION
- △ 3 DETENTION POND DESIGNATION
- FLOW ARROW
- EXISTING BOX CULVERT
- EXISTING INITIAL SYSTEM
- PROPOSED INITIAL SYSTEM
- FUTURE INITIAL SYSTEM

NOTES:
1) ALL FLOWS SHOWN ARE FOR ULTIMATE CONDITIONS ONLY.

FIGURE 3
NORTHGATE
MASTER DEVELOPMENT
DRAINAGE PLAN
BLACK SQUIRREL CREEK
AND MISCELLANEOUS BASINS

DESIGNED: K.R.B. DRAWN: N.M.B. CHECKED: B.T.L.

PROJECT: 48239 DATE: OCTOBER 1988

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NOV 20 1989

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FIGURE 3