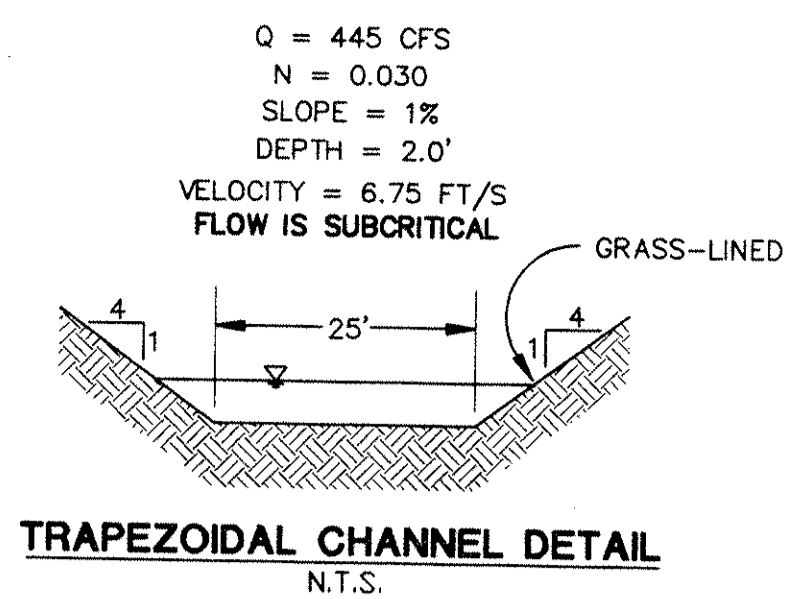


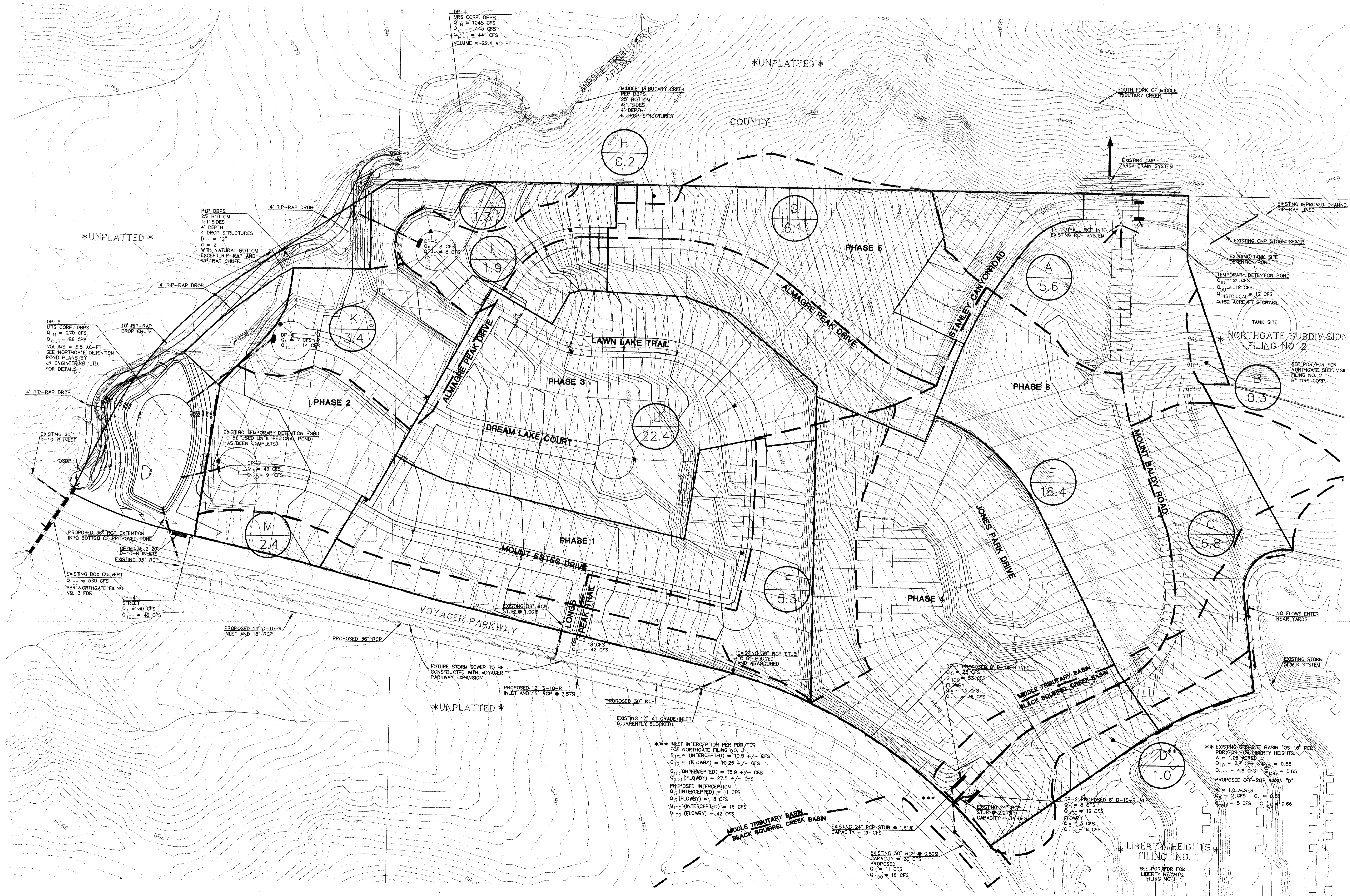
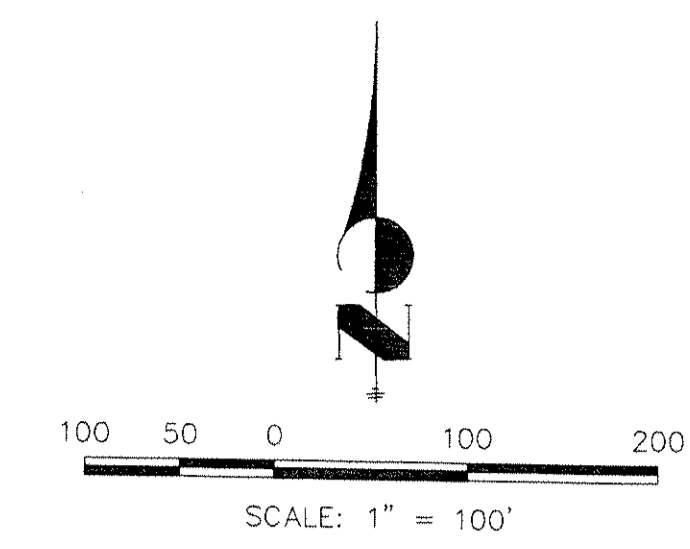
LEGEND

DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL
EXISTING GROUND CONTOUR	6910	DESIGN POINT	DPX
PROPOSED FINISHED CONTOUR	6910	PROPOSED CROSSSPAN	
SUBDIVISION BOUNDARY	---	EXISTING STORM SEWER	---
LOT LINE	---	PROPOSED STORM SEWER	---
BASIN BOUNDARY	---	FUTURE STORM SEWER	---
MAJOR BASIN BOUNDARY	---	PERMANENT SWALE	---
DIRECTION OF DRAINAGE	→		
BASIN IDENTIFIER	A		
AREA IN ACRES	10.1		



DESIGN POINT	Q ₅ (CFS)	Q ₁₀₀ (CFS)
DP-1	25	53
DP-2	8	19
DP-3	18	42
DP-4	21	46
DP-5	4	8
DP-6	7	14
DP-7	43	91

BASIN	AREA (ACRES)	Q ₅ (CFS)	Q ₁₀₀ (CFS)
A	5.6	10	21
B	0.3	1	2
C	6.8	8	19
D	1.0	2	5
E	16.4	25	53
F	5.3	9	17
G	6.1	13	26
H	0.2	1	1
I	1.9	4	8
J	1.3	3	6
K	3.4	7	14
L	22.4	41	84
M	2.4	6	12
A HIST.	5.6	5	12



*** INLET INTERCEPTION PER POR/FDR FOR NORTHGATE FILING NO. 2 ***
 Q₅ (INTERCEPTED) = 10.5 +/- CFS
 Q₁₀ (FLOWBY) = 10.25 +/- CFS
 Q₁₀₀ (INTERCEPTED) = 13.9 +/- CFS
 Q₁₀₀ (FLOWBY) = 27.5 +/- CFS
 PROPOSED INTERCEPTION
 Q₅ (INTERCEPTED) = 11 CFS
 Q₅ (FLOWBY) = 18 CFS
 Q₁₀₀ (INTERCEPTED) = 16 CFS
 Q₁₀₀ (FLOWBY) = 42 CFS

** EXISTING OFF-SITE BASIN "D" PER PDR/FDR FOR LIBERTY HEIGHTS:
 A = 1.0 ACRES
 Q₅ = 2 CFS C₁ = 0.55
 Q₁₀₀ = 4.8 CFS C₁₀₀ = 0.65
 PROPOSED OFF-SITE BASIN "D":
 A = 1.0 ACRES
 Q₅ = 2 CFS C₁ = 0.66
 Q₁₀₀ = 5 CFS C₁₀₀ = 0.66

TRAIL RIDGE AT NORTHGATE
 MASTER DEVELOPMENT DRAINAGE PLAN
 SHEET 1 OF 1
 JOB NO. 8639.25

SCALE	DATE	DES. BY	CHK. BY	DRWN. BY
1"=100'	5/14/97	ABE		TDS

REVISION
 NO. DATE BY

48 HOURS BEFORE YOU DIG,
 CALL UTILITY LOCATORS
1-800-922-1987
 CITY OF COLORADO SPRINGS DEPT. OF UTILITIES
 GAS, ELECTRIC, WATER AND WASTEWATER

JR Engineering, Ltd.
 4935 North 30th Street
 Colorado Springs, Colorado 80919
 (719) 593-5893 * FAX (719) 592-6613