

DESIGN POINT	AREA(sm)	Q _s (cfs)	Q ₁₀₀ (cfs)
A1	0.06	3	32
A3	0.21	49	194
A4	0.30	86	332
A5 (IN)	0.77	281	985
A5 (OUT)	0.77	36	242
A6	0.55	221	730
A7	0.21	109	347
A	0.78	161	365
A9	0.11	49	161
B	0.04	60	122
C3	0.05	33	100
C	0.16	104	314
E5	0.13	85	241
E2 (IN)	0.18	111	332
DBE (OUT)	0.18	13	155

DESIGN POINT	AREA(sm)	Q _s (cfs)	Q ₁₀₀ (cfs)
F9	0.21	20	157
F10	0.06	6	46
F11	0.14	13	102
F12	0.43	24	236
F13	0.05	3	30
F14	0.25	45	229
F18 (IN)	0.80	76	547
F18 (OUT)	0.80	11	137
F19 (IN)	0.37	69	353
F19 (OUT)	0.37	4	92
F23	0.05	16	69
F24	0.14	61	201
F25	0.34	71	330
F30	0.50	140	570
F28 (IN)	2.02	218	851
F28 (OUT)	2.02	66	456
F	2.09	66	464

DESIGN POINT	AREA(sm)	Q _s (cfs)	Q ₁₀₀ (cfs)
G3	0.29	57	278
G3 (OUT)	0.29	25	113
G	0.34	29	137
G-5	0.73	30	100

DESIGN POINT	AREA(sm)	Q _s (cfs)	Q ₁₀₀ (cfs)
Q _s IN	160 cfs	Q ₁₀₀ IN	492 cfs
Q _s OUT	13 cfs	Q ₁₀₀ OUT	155 cfs (1)
VOL _s	5.9 AC-FT		
VOL ₁₀₀	14.8 AC-FT		
WS _s	55.2		
WS ₁₀₀	57.8		

(1) TOTAL OUTFLOW. OUTFLOW TO BE CONTROLLED TO EXISTING LEVELS AT DP E2 & DP D2
(2) DETENTION BASIN IN AS-BUILT CONDITION

DESIGN POINT	AREA(sm)	Q _s (cfs)	Q ₁₀₀ (cfs)
Q _s IN	76 cfs	Q ₁₀₀ IN	547 cfs
Q _s OUT	11 cfs	Q ₁₀₀ OUT	137 cfs
VOL _s	5.2 AC-FT		
VOL ₁₀₀	17.2 AC-FT		

DESIGN POINT	AREA(sm)	Q _s (cfs)	Q ₁₀₀ (cfs)
Q _s IN	69 cfs	Q ₁₀₀ IN	353 cfs
Q _s OUT	4 cfs	Q ₁₀₀ OUT	92 cfs
VOL _s	3.4 AC-FT		
VOL ₁₀₀	10.5 AC-FT		

DESIGN POINT	AREA(sm)	Q _s (cfs)	Q ₁₀₀ (cfs)
Q _s IN	218 cfs	Q ₁₀₀ IN	851 cfs
Q _s OUT	66 cfs	Q ₁₀₀ OUT	456 cfs
VOL _s	8.4 AC-FT		
VOL ₁₀₀	24.3 AC-FT		

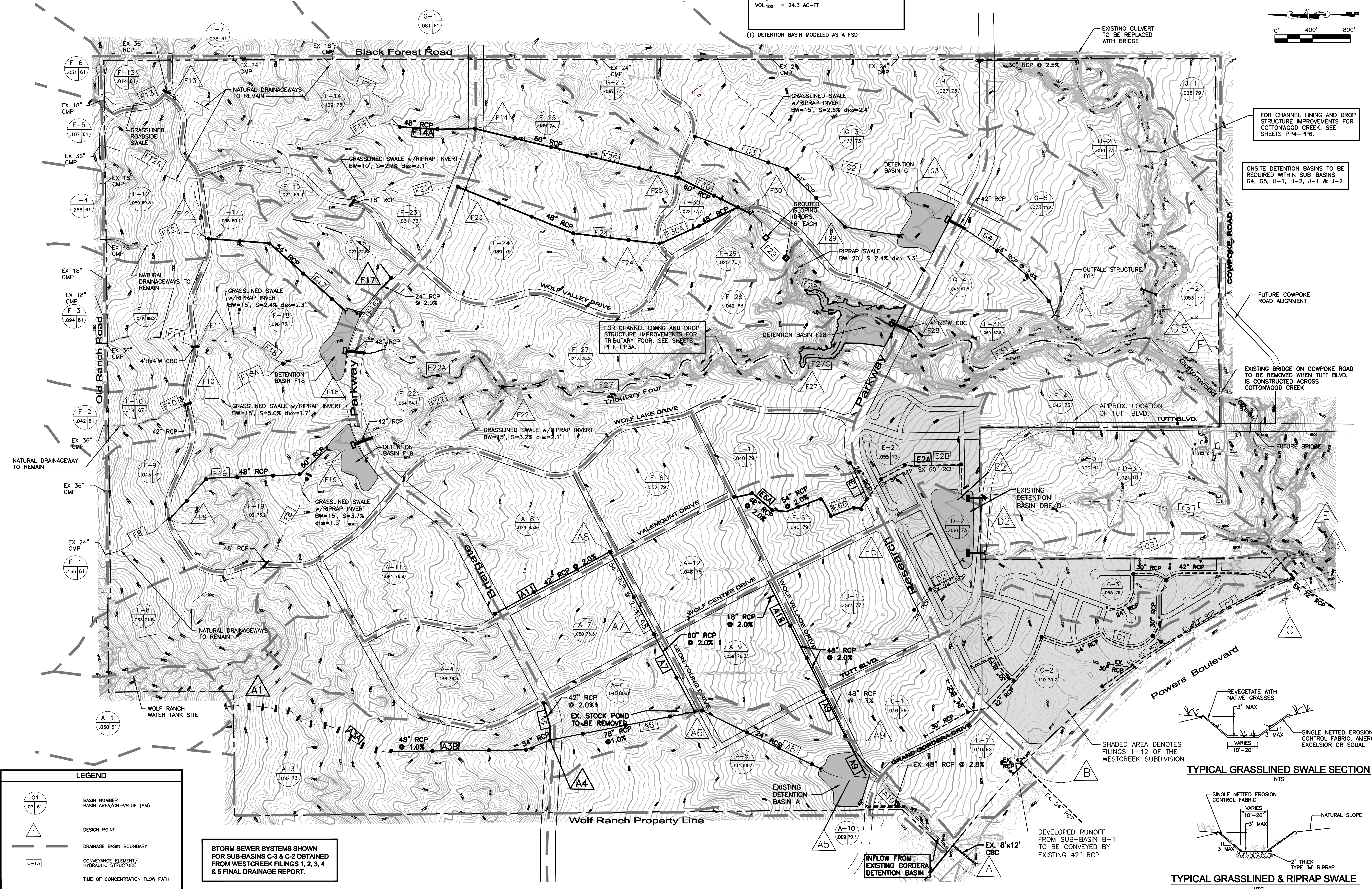
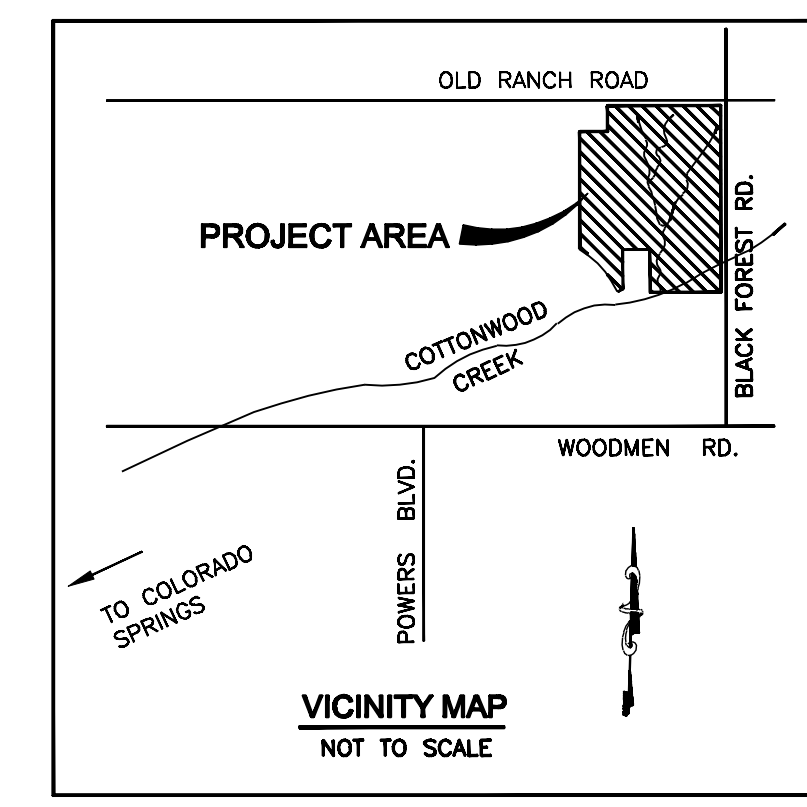
DESIGN POINT	AREA(sm)	Q _s (cfs)	Q ₁₀₀ (cfs)
Q _s IN	281 cfs	Q ₁₀₀ IN	989 cfs
Q _s OUT	36 cfs	Q ₁₀₀ OUT	242 cfs
VOL _s	10.4 AC-FT		
VOL ₁₀₀	36.0 AC-FT		

DESIGN POINT	AREA(sm)	Q _s (cfs)	Q ₁₀₀ (cfs)
Q _s IN	57 cfs	Q ₁₀₀ IN	278 cfs
Q _s OUT	25 cfs	Q ₁₀₀ OUT	113 cfs
VOL _s	1.8 AC-FT		
VOL ₁₀₀	4.6 AC-FT		

DESIGN POINT	AREA(sm)	Q _s (cfs)	Q ₁₀₀ (cfs)
Q _s IN	4 cfs	Q ₁₀₀ IN	92 cfs
Q _s OUT	4 cfs	Q ₁₀₀ IN	92 cfs
VOL _s	3.4 AC-FT		
VOL ₁₀₀	10.5 AC-FT		

DESIGN POINT	AREA(sm)	Q _s (cfs)	Q ₁₀₀ (cfs)
Q _s IN	218 cfs	Q ₁₀₀ IN	851 cfs
Q _s OUT	66 cfs	Q ₁₀₀ OUT	456 cfs
VOL _s	8.4 AC-FT		
VOL ₁₀₀	24.3 AC-FT		

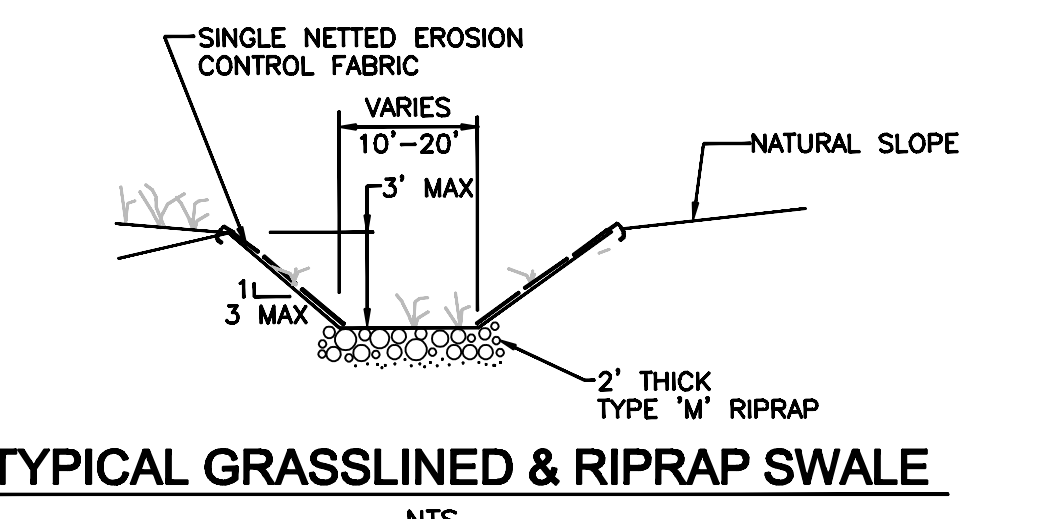
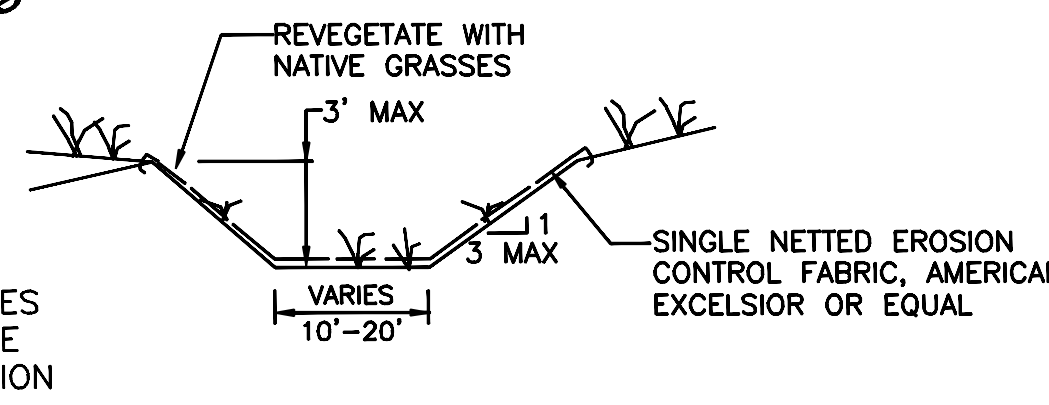
DESIGN POINT	AREA(sm)	Q _s (cfs)	Q ₁₀₀ (cfs)
Q _s IN	281 cfs	Q ₁₀₀ IN	989 cfs
Q _s OUT	36 cfs	Q ₁₀₀ OUT	242 cfs
VOL _s	10.4 AC-FT		
VOL ₁₀₀	36.0 AC-FT		



FOR CHANNEL LINING AND DROP STRUCTURE IMPROVEMENTS FOR COTTONWOOD CREEK, SEE SHEETS PP4-PP6.

ONSITE DETENTION BASINS TO BE REQUIRED WITHIN SUB-BASINS G4, G5, H-1, H-2, J-1 & J-2

EXISTING BRIDGE ON COWPOKE ROAD TO BE REMOVED WHEN TUTT BLVD. IS CONSTRUCTED ACROSS COTTONWOOD CREEK



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**WOLF RANCH
MASTER DEVELOPMENT DRAINAGE PLAN UPDATE
PROPOSED FACILITIES
COLORADO SPRINGS, COLORADO**

Project No.: 12055
Date: 08/01/2013
Design: RNW
Drawn: JLN
Check: RNW
Revisions:

Fig. 6