

DESIGN POINT	AREA(sm)	Q _s (cfs)	Q ₁₀₀ (cfs)
A1	0.06	3	32
A3	0.38	87	326
A4	0.09	39	133
A5 (IN)	0.77	279	979
A5 (OUT)	0.77	68	157
A6	0.54	220	715
A7	0.21	118	362
A	0.78	69	158
A9	0.12	51	170
B	0.04	60	122
C3	0.05	33	100
C	0.16	104	314
D2 (IN)	0.10	49	160
D2 (OUT)	0.10	5	54
E5	0.13	85	241
E2 (IN)	0.18	116	336
E2 (OUT)	0.18	8	97

DESIGN POINT	AREA(sm)	Q _s (cfs)	Q ₁₀₀ (cfs)
F9	0.21	20	157
F10	0.06	6	48
F11	0.14	13	102
F12	0.43	24	236
F13	0.05	2	30
F14	0.25	45	210
F18 (IN)	0.80	72	572
F18 (OUT)	0.80	29	147
F19 (IN)	0.37	61	349
F19 (OUT)	0.37	21	91
F23	0.05	16	69
F24	0.14	55	203
F25	0.34	67	306
F27	1.24	55	245
F30	0.50	124	515
F28 (IN)	2.02	185	813
F28 (OUT)	2.02	85	462
F	2.09	86	475

DESIGN POINT	AREA(sm)	Q _s (cfs)	Q ₁₀₀ (cfs)
G3	0.29	57	278
G (IN)	0.45	57	278
G (OUT)	0.45	34	111

DESIGN POINT	AREA(sm)	Q _s (cfs)	Q ₁₀₀ (cfs)
G _s IN	165 cfs	Q ₁₀₀ IN = 496 cfs	
G _s OUT	13 cfs	Q ₁₀₀ OUT = 151 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

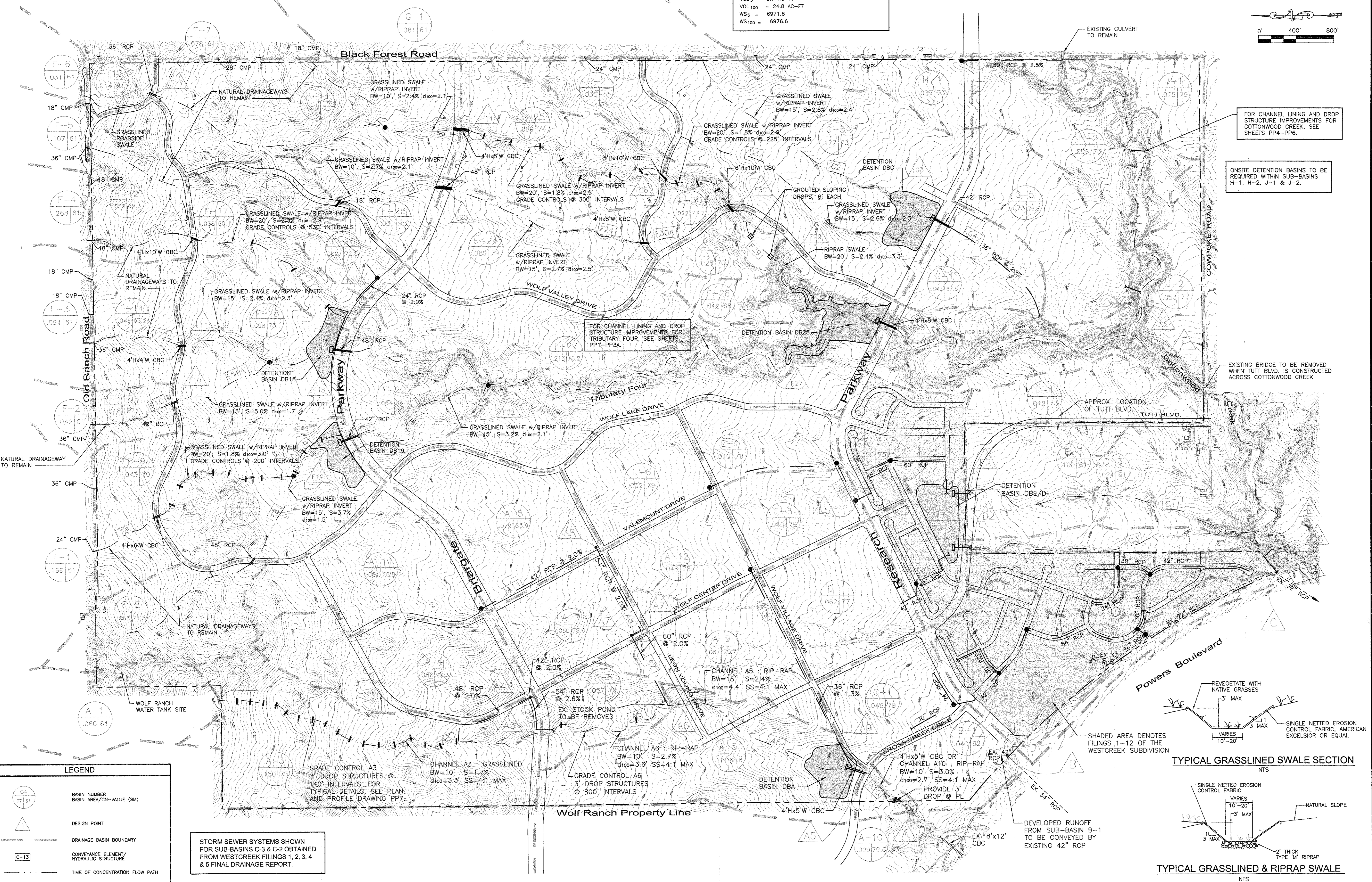
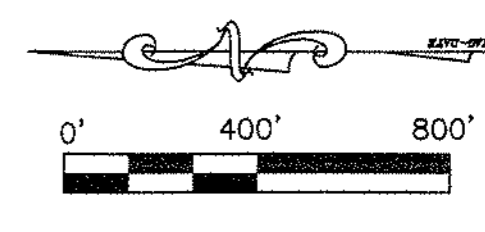
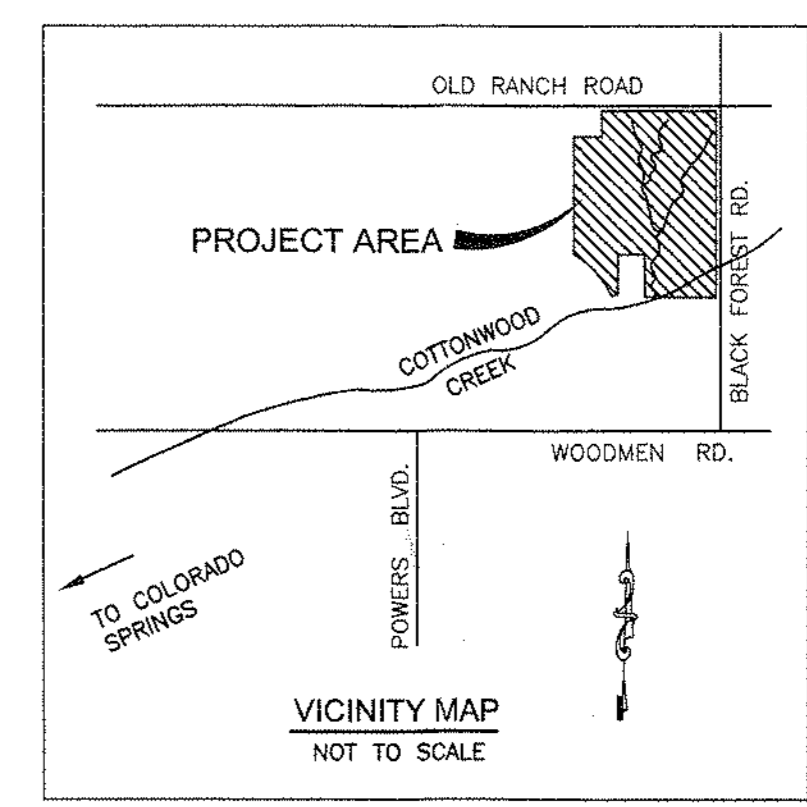
DESIGN POINT	AREA(sm)	Q _s (cfs)	Q ₁₀₀ (cfs)
G _s IN	72 cfs	Q ₁₀₀ IN = 572 cfs	
G _s OUT	29 cfs	Q ₁₀₀ OUT = 147 cfs	
VOL _s	2.5 AC-FT		
VOL ₁₀₀	12.0 AC-FT		
WS _s	7142.8		
WS ₁₀₀	7146.9		

DESIGN POINT	AREA(sm)	Q _s (cfs)	Q ₁₀₀ (cfs)
G _s IN	61 cfs	Q ₁₀₀ IN = 349 cfs	
G _s OUT	21 cfs	Q ₁₀₀ OUT = 91 cfs	
VOL _s	1.7 AC-FT		
VOL ₁₀₀	9.5 AC-FT		
WS _s	7142.5		
WS ₁₀₀	7145.6		

DESIGN POINT	AREA(sm)	Q _s (cfs)	Q ₁₀₀ (cfs)
G _s IN	185 cfs	Q ₁₀₀ IN = 813 cfs	
G _s OUT	85 cfs	Q ₁₀₀ OUT = 462 cfs	
VOL _s	6.7 AC-FT		
VOL ₁₀₀	24.8 AC-FT		
WS _s	6971.6		
WS ₁₀₀	6976.6		

DESIGN POINT	AREA(sm)	Q _s (cfs)	Q ₁₀₀ (cfs)
G _s IN	279 cfs	Q ₁₀₀ IN = 979 cfs	
G _s OUT	68 cfs	Q ₁₀₀ OUT = 157 cfs	
VOL _s	8.4 AC-FT		
VOL ₁₀₀	36.0 AC-FT		
WS _s	7142.8		
WS ₁₀₀	7146.9		

DESIGN POINT	AREA(sm)	Q _s (cfs)	Q ₁₀₀ (cfs)
G _s IN	57 cfs	Q ₁₀₀ IN = 278 cfs	
G _s OUT	34 cfs	Q ₁₀₀ OUT = 111 cfs	
VOL _s	4.2 AC-FT		
VOL ₁₀₀	7.0 AC-FT		
WS _s	4.1		
WS ₁₀₀	7.0		

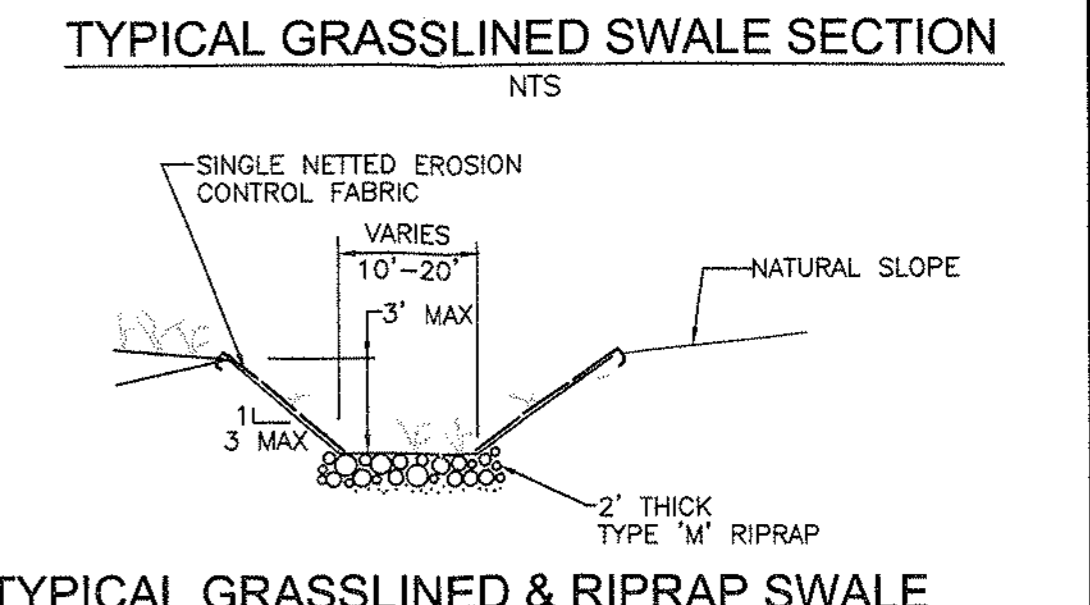
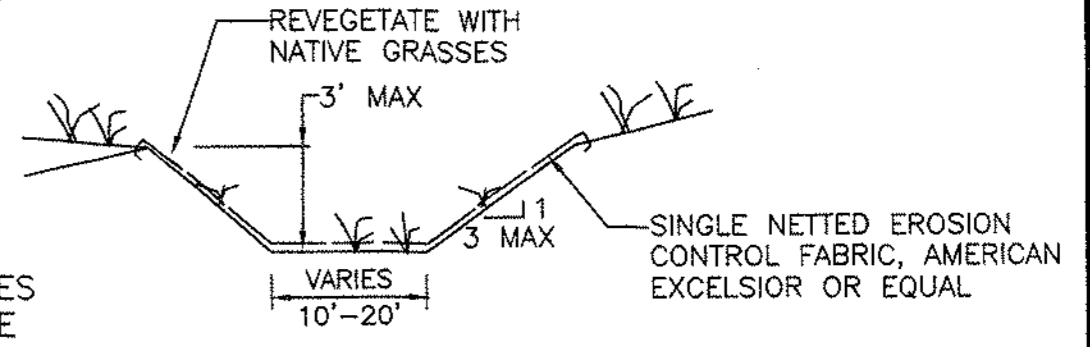


FOR CHANNEL LINING AND DROP STRUCTURE IMPROVEMENTS FOR COTTONWOOD CREEK, SEE SHEETS PP4-PP6.

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

FOR CHANNEL LINING AND DROP STRUCTURE IMPROVEMENTS FOR TRIBUTARY FOUR, SEE SHEETS PP1-PP3A.

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



Symbol	Description
G4	BASIN NUMBER
071 61	BASIN AREA/CH-VALUE (SM)
△	DESIGN POINT
---	DRAINAGE BASIN BOUNDARY
C-13	CONVEYANCE ELEMENT/HYDRAULIC STRUCTURE
---	TIME OF CONCENTRATION FLOW PATH

STORM SEWER SYSTEMS SHOWN FOR SUB-BASINS C-3 & C-2 OBTAINED FROM WESTCREEK FILINGS 1, 2, 3, 4 & 5 FINAL DRAINAGE REPORT.

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

Project No.: 03094
Date: 03/09/2004
Design: RNW
Drawn: JLN
Check: RNW
Revisions:

Fig. 6