EXISTING DETENTION BASIN 5B

Q_{100} IN = 729 cfs Q_{100} OUT = 168 cfs

EX. 36" RCP

EAST FORK MESA BASIN 100 YEAR FLOODPLAIN PER FIS

CAMELROCK HOLDINGS LLC

GRADE CONTROL & SELECTIVE BANK LINING FOR THE EAST FORK BETWEEN DESIGN POINTS 17.1 & 17.2 TO BE PROVIDED BY OWNER/ DEVELOPER OF PROPERTY AT THE TIME OF DEVELOPMENT

PROPOSED COMMERCIAL

WEST FILLMORE STREET

PROPOSED 24" RCP

WEST FORK MESA BASIN

PROPOSED DETENTION BASIN 18

Q_{100} IN = 245 cfs Q_{100} OUT = 176 cfs
Q_5 IN = 111 cfs Q_5 OUT = 110 cfs
Vol.$_5$ = 0.6 ac-ft
Vol.$_{100}$ = 3.1 ac-ft

GRAND VISTA FILING No. 1

EX. 36" RCP

EX. 42" RCP

GRAND VISTA CIRCLE

WEST FILLMORE STREET

WEST FORK MESA BASIN

WEST FORK MESA BASIN

WEST FORK MESA BASIN 100 YEAR FLOODPLAIN PER FIS

EX. 48" CMP

PROP. 54" RCP

PROP. 54" RCP

WEST FORK SUB-TRIB

EAST FORK MESA BASIN

PROPOSED 108" RCP

PROPOSED 84" RCP

CITY OF COLORADO SPRINGS

CITY OF COLORADO SPRINGS

EXISTING DETENTION BASIN 14

Q_{100} IN = 245 cfs Q_{100} OUT = 143 cfs
Q_5 IN = 54 cfs Q_5 OUT = 51 cfs

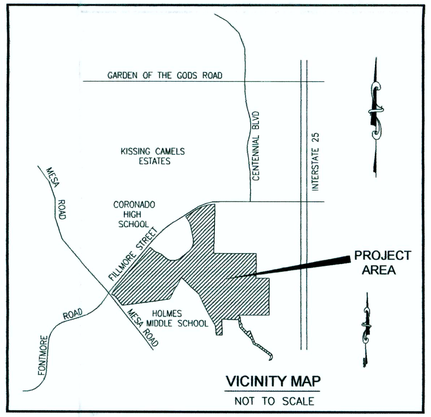
FOR DRAINAGEWAY IMPROVEMENTS, SEE PLAN & PROFILE SHEETS PP1-PP7

0' 200' 400'

SCALE: 1" = 200'

LEGEND

R – 10.4 ac	SUB-BASIN DESIGNATION / SUB-BASIN AREA
1	DESIGN POINT
	DRAINAGE BASIN BOUNDARY
	STREAM INVERT
R17.2	HEC-1 ROUTING ELEMENT



VICINITY MAP
NOT TO SCALE

DESIGN POINT FLOWS W/O PROPOSED DETENTION

DESIGN POINT	5-YEAR FLOW	100-YEAR FLOW
56	106	168
10	20	68
13	30	155
13.1	32	161
14 (1)	54	245
14.1	26	85
14.2	31	100
17.1	107	171
17.2	111	245
18.1	111	261
18.2	145	378

(1) OUTFLOW FROM EXISTING DETENTION BASIN

DESIGN POINT FLOWS WITH DETENTION

DESIGN POINT	5-YEAR FLOW	100-YEAR FLOW
18.1	111	261
18 (1)	110	176
18.2	127	280

(1) OUTFLOW FROM PROPOSED DETENTION BASIN @ DP 18.1

Kiowa Engineering Corporation
1604 South 21st Street
Colorado Springs, Colorado 80904
(719) 630-7342

SENTINEL RIDGE

MASTER DEVELOPMENT DRAINAGE PLAN

PROPOSED FACILITIES

COLORADO SPRINGS, COLORADO,

Project No.:	07028
Date:	SEPTEMBER 2008
Design:	RNW
Drawn:	MFA/JLN
Check:	RNW
Revisions:	

SHEET

EXH 3

OF X SHEETS

07028 Exh3.dwg/Oct 01, 2008