

EXISTING DETENTION BASIN
 $Q_{100} \text{ IN} = 729 \text{ cfs}$ $Q_{100} \text{ OUT} = 168 \text{ cfs}$

NOTE: DP5B=DP9
 MESA BASIN DBPS

EAST FORK MESA BASIN
 100 YEAR FLOODPLAIN
 PER FIS

M17.2
 24.7

M18.1
 37.3

NOTE: DP17.2=DP11
 MESA BASIN DBPS

CAMELROCK
 HOLDING LLC

M17.1
 25.5

M14.1
 18.9

NOTE: DP10=DP20
 MESA BASIN DBPS

GRAND VISTA
 FILING No. 1

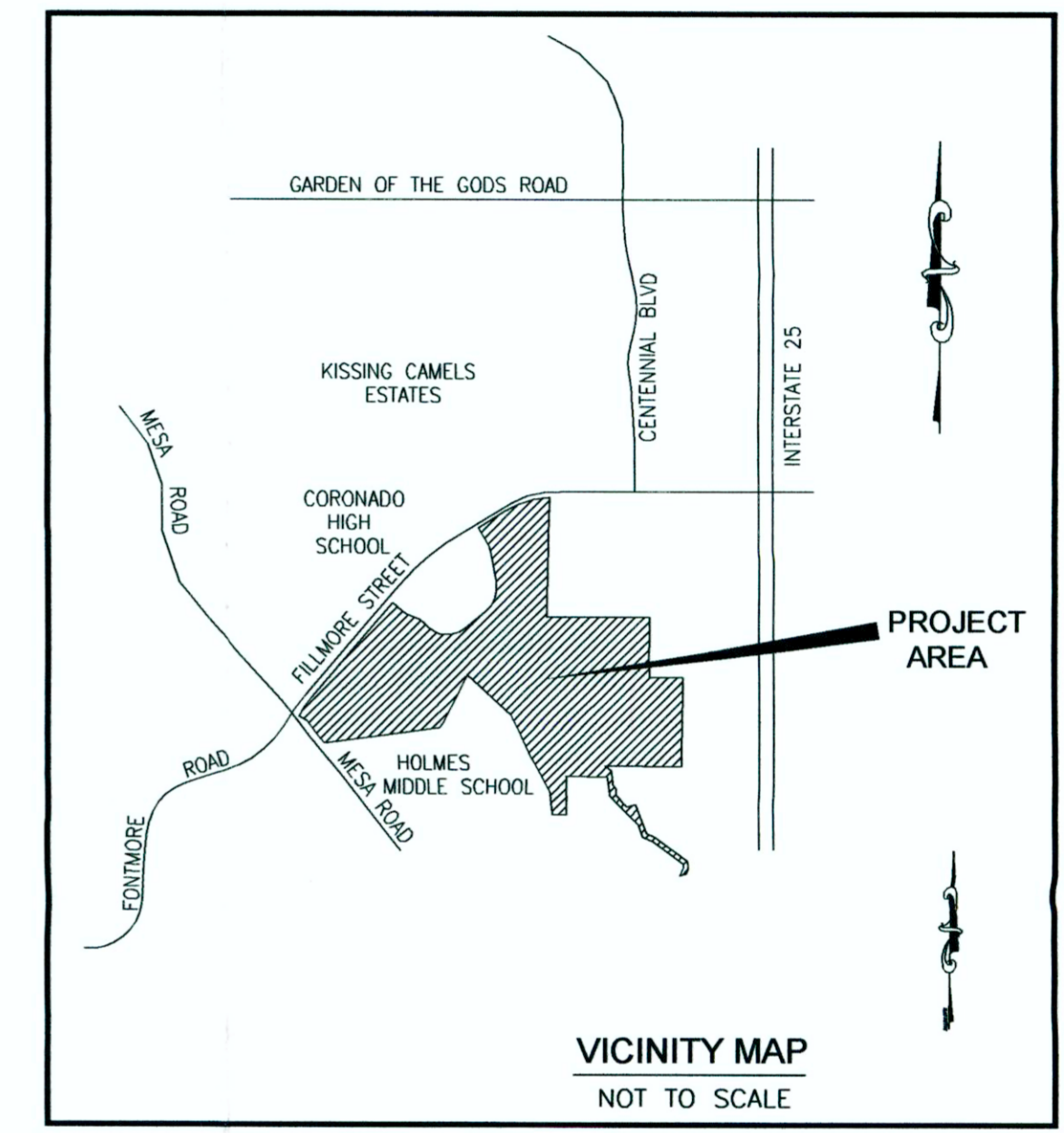
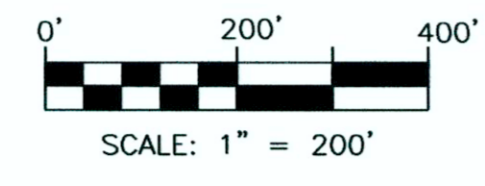
M14
 39.9

NOTE: DP13=DP25
 MESA BASIN DBPS

EXISTING DETENTION BASIN 14
 $Q_{100} \text{ IN} = 210 \text{ cfs}$ $Q_{100} \text{ OUT} = 130 \text{ cfs}$
 $Q_5 \text{ IN} = 44 \text{ cfs}$ $Q_5 \text{ OUT} = 42 \text{ cfs}$

LEGEND

- SUB-BASIN DESIGNATION
- SUB-BASIN AREA
- DESIGN POINT
- DRAINAGE BASIN BOUNDARY
- STREAM INVERT
- HEC-1 ROUTING ELEMENT



DESIGN POINT DISCHARGES

DESIGN POINT	5-YEAR FLOW	100-YEAR FLOW
5B	106	168
10	17	61
3	25	135
4(1)	44	210
4.1	28	82
17.1	107	172
17.2	108	177
18.1	107	189
18.2(2)	111	279

(1) DP 14=DP 26 DBPS
 (2) DP 18.1=DP 12 DBPS

SUB-BASIN DISCHARGES

BASIN	Q_5	Q_{100}
M14	1	6
M14.1	18	35
M17.1	14	53
M17.2	1	23
M18.1	1	13
M18.2	43	110

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SENTINEL RIDGE
 MASTER DEVELOPMENT DRAINAGE PLAN
 SUB-BASIN MAP
 EXISTING BASIN CONDITIONS
 COLORADO SPRINGS, COLORADO,

Project No.: 07028
 Date: September 2008
 Design: RNW
 Drawn: MFA
 Check: RNW
 Revisions:

SHEET
EXH 1
 OF X SHEETS