

VENETUCCI BOULEVARD (U.S. 85)

CHEYENNE MOUNTAIN BOULEVARD

TYPICAL ROAD SECTIONS

SECTION A-A
TEMPORARY SWALE FOR FILING NO. 1

SECTION C-C
100 YEAR OVERFLOW

DESIGN PT. 2
Q_s = 120 cfs
Q₁₀₀ = 279 cfs

B CURVE DATA
R = 1835.00'
Δ = 4°00'00"
L = 128.11'
T = 64.05'
Ch = S 28°02'00"E
128.08'

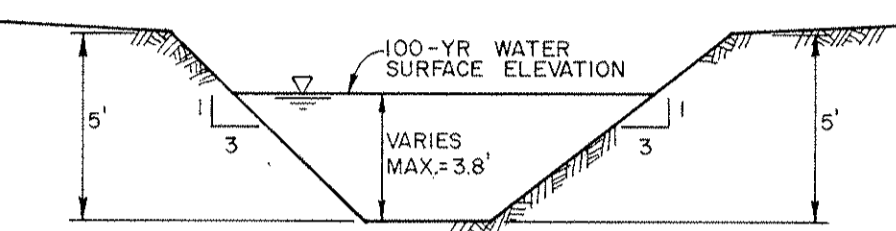
DESIGN PT. 3
Q_s = 122 cfs
Q₁₀₀ = 283 cfs

DESIGN PT. 4
Q_s = 218 cfs
Q₁₀₀ = 462 cfs

DESIGN PT. 5
Q_s = 18.4 cfs
Q₁₀₀ = 135 cfs

DESIGN PT. 7
Q_s = 7.4 cfs
Q₁₀₀ = 14.9 cfs

SECTION B-B
TYPICAL GRASS-LINED CHANNEL SECTION
(AT FRONTAGE ROAD AS APPROVED BY CDOH)



PROPOSED GRASS-LINED CHANNEL
RIPRAP EROSION PROTECTION
650' x 24"

10' CURB OPENING INLET
MODIFIED

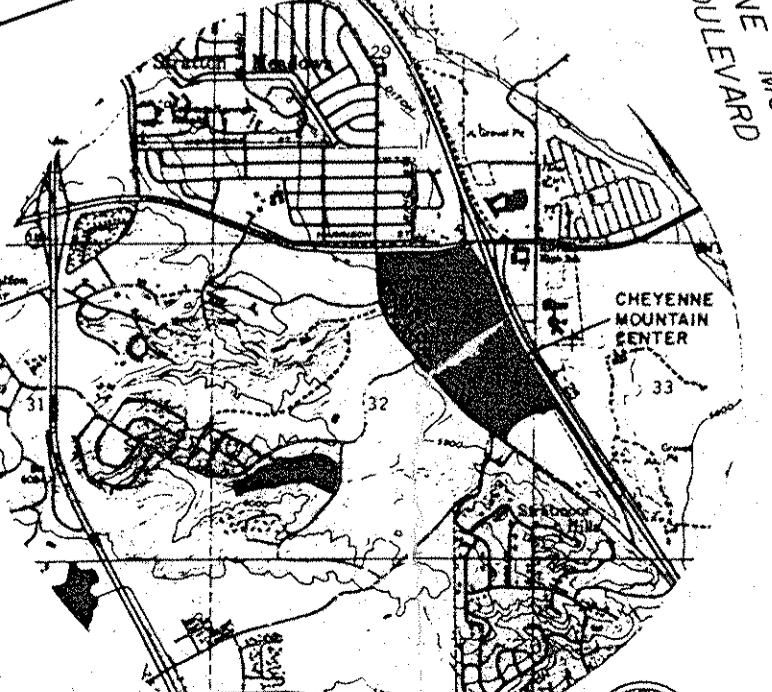
DESIGN PT. 1
Q_s = 89 cfs
Q₁₀₀ = 223 cfs

3' x 56' x 36" CMP
1' x 24" CMP
TRASH RACK SUBJECT TO
C.D.H. APPROVAL

NOTE: POND K2 FLOODWAY WILL BE LEFT NATURAL AND MAINTAINED BY THE PARKS DEPARTMENT. THE FLOODWAY LIMIT IS CONTAINED WITHIN THE PARK BOUNDARY OR STATE HIGHWAY ROW.

FOR CONCEPTUAL PLAN OF DETENTION POND K-2 SEE DREXEL, BARRELL, DWN. NO. 30 460

VICINITY MAP



LEGEND

- EXIST. CONTOUR
--- EXIST. SANITARY SEWER
--- EXIST. STORM SEWER
--- EXIST. GAS LINE
--- EXIST. WATER LINE
--- EXIST. ELECTRIC LINE
4.5/9.7 ROADWAY FLOW (cfs) 5-YR/100-YR CAPACITY
6.5/36.4 " " " " "
32.1/302.2 PRIVATE FLOW (cfs) 5-YR/100-YR
4.13% STREET GRADE
--- FLOWS TRIBUTARY TO THIS POINT ARE LESS THAN 1 cfs
4.5 5 YR FLOW AT INLET (cfs)
6.5 INLET CAPACITY (cfs)
A-1 BASIN OR SUB-BASIN DESIGNATION
4.12 AREA IN ACRES
--- BASIN BOUNDARY
--- SUB-BASIN BOUNDARY
--- DIRECTION OF FLOW (PROPOSED)
--- PROPOSED STORM SEWER MAIN, MANHOLE & MANHOLE NUMBER
--- PROPOSED STORM SEWER & OUTLET
29 5-YEAR FLOW (cfs)
CAP = 302 cfs PIPE CAPACITY

NOTES

- 1. TOPOGRAPHY SHOWN BASED UPON GROUND SURVEY BY DREXEL, BARRELL AND COMPANY DURING NOVEMBER, 1983.
2. BENCH MARK GATES GRK 64,000 N 109,000 E ELEVATION 5895.43 (USGS).
3. EXCEPT FOR CHEYENNE MOUNTAIN CENTER FILING NO. 1, THE SITE PLAN SHOWN HERE IS NOT FINAL. IT IS REPRESENTATIVE ONLY OF THE TYPE AND PERCENTAGES OF PROPOSED BUILDING AND PARKING AREAS.
4. ALL STREETS, EXCEPT FRONTAGE ROAD AND PRIVATE ROAD, SHALL HAVE AT LEAST 10' SIDEWALK AND DRAINAGE EASEMENTS ON EACH SIDE OF PROPOSED ROW.
5. EROSION CONTROL MEASURES WILL BE INSTALLED AS REQUIRED.

MASTER DRAINAGE PLAN FOR CHEYENNE MOUNTAIN CENTER AND FINAL DRAINAGE PLAN FOR CHEYENNE MOUNTAIN CENTER FILING NO. 1 COLORADO SPRINGS, COLORADO FOR GATES LAND COMPANY

DREXEL, BARRELL & CO. ENGINEERS SURVEYORS
1700 10TH STREET BOULDER, COLORADO 80501
22 OCT 85 LABELING Date 10 JUNE 1985
1 OCT 85 MAJOR Scale 1" = 100'
7 1/2" x 10" AND BASKIN 6" x 7" Drawn by RD E 3234
Revisions - Date Drawing No. IQ 298

These detailed plans and specifications were prepared under my direction and supervision. Said detailed plans and specifications have been prepared according to the criteria established by the City for detailed drainage plans and specifications, and said detailed plans and specifications are in conformity with the master plan of the drainage business and residential development plans and specifications for the area for which the particular project is being prepared. I accept responsibility for the accuracy of the information furnished to me by the client and for the accuracy of the information furnished to me by the client and for the accuracy of the information furnished to me by the client.