



TOPOGRAPHIC MAP WITH ANNOTATIONS 1"=800' SHOWING STORM WATER AND DRAINAGE FLOW

PRELIMINARY PLAT OF  
LOT 1 OF BLOCK 1, and  
LOTS 1-3 of BLOCK 2,  
MENARDS SUBDIVISION

SECTION 32, T2N, R8E, BHM,  
CITY OF RAPID CITY,  
PENNINGTON COUNTY, SD

STORM WATER FLOW

LEGEND:

Standard City of Rapid City Mapping

Red lines: drainage basin boundaries

Blue arrows: direction of flow

Blue bodies: retention basins

ELE 200 – outlet is 30" RCP 3259', 18"  
flow orifice, 30" RCP @3270'. Inflow  
(100yr) 348 cfs, outflow (100yr) 32 cfs.  
10.7 acre-feet @3273' overflow 3280'

ELE 2 – 30" RCP modeled as 42", 32 cfs

ELE 201 – DOWNSTREAM peak inflow  
(100 yr) 657 cfs, outflow 159 cfs, 18.2 Ac-ft  
storage at 3243'

Proposed lots and development within the  
parameters of the Drainage Basin Study  
(impervious area, slopes, etc.) Proposed  
changes (see storm water plan) will  
improve drainage to existing elements, and  
improve existing elements.

Applicant: CENTURY RESOURCES

(605) 343-7117 POB 8007, RCSD 57709