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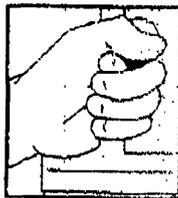


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**FAX  
TRANSMISSION**

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TO: Jim Smith  
 FROM: Patrick  
 DATE: Aug 30, 2007  
 SUBJECT: pg of MRP to compare  
 NO. OF PAGES (including this pg.): 2

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*Patrick*  
8/30/07

See attached pg:

section  
742

page  
16

date  
4/30/98

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TABLE 742.0c. Culvert Design Summary

Culvert ID	Contributing Ditch	Design Peak Flow (cfs)	Minimum Allowable CMP Culvert Diameter (inches)
CVL-C1	CVL-D1	4.4	15
CVL-C2	Area CVL-7F	4.3*	12

\*\*Design peak includes 2 cfs from plant upset

742.220 through 742.221 Sedimentation Ponds

Six existing ponds are included in the sediment control plan. These ponds include the Plant Sediment Pond, Refuse Basin Sediment Pond, Slurry Pipeline Sediment Pond, Road Pond, Auxiliary Pond and the Dryer Sediment Pond. The road Pond, Auxiliary Pond and the Dryer Sediment Pond are used in series. The Plan Sediment Pond, Slurry Pond, and the Refuse basin Sediment Pond are used independently with respect to each other. The sediment ponds are located near the disturbed area, and will be maintained to provide adequate sediment storage volume as described below.

The Road Pond, Auxiliary Pond and The Dryer Sediment Pond are connected in series; however, the Dryer Pond was enlarged in 1994, and will contain the entire runoff from the 10-year 24-hour precipitation event. The computed 10-year 24-hour runoff to the series of ponds is presented in Table 742-1 along with available storage between proposed decant elevations and spillway elevations. Stage capacity curves are presented in the Hydrologic Appendix. The peak 25-year 6-hour storm event discharge from the pond was computed assuming the pond full to the spillway elevation prior to start of storm.

The Dryer Sediment Pond will serve as the final treatment facility for Watershed No. 4. The Dryer Sediment Pond, as constructed, will provide dead storage (i.e. storage below the decant level) for nearly 10 times the computed 3-year sediment volume (see computations in Hydrologic Appendix).

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7.42

1b

