FIGURE I-3

Fuse Plug and Spillway Channel Plan and Profile (MWH Dwg. No. 20895-C5)

LIMITS OF CLEARING, GRAZING AND BEDDING

NOTES:
1. CONTRACTOR SHALL GRADE REACHES 3, 5 AND 6 BY EXCAVATION.
2. CONTRACTOR SHALL GRADE REACHES 2 AND 4 BY TRENCHING.
3. CONTRACTOR SHALL GRADE REACH 1 BY RENOVATION.
4. CONTRACTOR SHALL REMOVE SOIL 2 FELL PRIOR TO THE CONSTRUCTION OF FUSE PLUG.
5. CONTRACTOR SHALL ELEVATE CHANNEL SIDE SLOPES AT EAV TO LAV ACCORDING TO THE SPECIFICATIONS. THE CHANNEL SIDE SLOPES SHALL BE PROTECTED IN CONFORMANCE WITH THE SPECIFICATIONS.

REFERENCE DRAWINGS:

SILVER LAKE DAM – ROOT CAUSE REPORT

FIGURE I-3
FIGURE I-5
Rainfall Frequency / Depth / Duration Curves

SILVER LAKE DAM – ROOT CAUSE REPORT

X MAY 9-12, 2003
Data Source: Huff and Angel, 1992
FIGURE I-6
Flood Discharge and Runoff Recurrence Intervals
SILVER LAKE DAM – ROOT CAUSE REPORT

RECURRENT INTERVAL, YEARS

TOTAL WATERSHED RUNOFF (INCHES)

SILVER LAKE PEAK INFLOW, CFS

NON-EXCEEDENCE PROBABILITY, PER CENT PER YEAR

MAY 11-12, 2003
MAY 9-12, 2003
FIGURE I-7

May 11-14 Dead River Storage Basin Inflow – Observed vs. HEC-HMS

- Obs. Inflow
- - - HEC-HMS Inflow
- × - HMS with Designer's Tc
- - - Obs. Res. El. (3-hr average)
+ + + HEC-HMS Res. El.
Silver Lake May 9-14 Inflow from HEC-HMS Model

FIGURE I-8

SILVER LAKE DAM – ROOT CAUSE REPORT