

DOES NOT ACCOUNT FOR WATER ASSOCIATED WITH RAW SAND EXTRACTED FROM MINE WHICH IS AN INPUT TO THE SYSTEM. THIS INPUT SHOULD RESULT IN A DECREASE IN THE MAKE-UP WATER REQUIREMENT.

FRESH WATER INPUTS:
 1,081 gpm Makeup Water
 1,850 gpm Fine Sand Slurry
 2,931 gpm TOTAL

RETURN TO GROUNDWATER:
 RECLAMATION AREA
 2,215 gpm Fine Sand Slurry
 2,215 gpm TOTAL

LOSSES:
 160 gpm Coarse Sand Winter Pile
 72 gpm Coarse Sand Decanting Piles
 217 gpm Dry Plant Feed
 267 gpm Thickener Tank Mud
 716 TOTAL

COARSE SAND WINTER FEED
 87 GPM IS RETAINED ON DRY PLANT FEED
 160 GPM DRAINS FROM PILE WITH 0% RECOVERY ASSUMED FOR WORSE CASE CONDITION. COULD ENGINEER RECOVERY SYSTEM IF NEEDED.
 50% recovery was part of the initial plan but since moved the winter feed stockpile to lower elevation than wet pant, removed recovery system from current plan.

Closed Loop Recycle

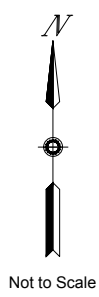
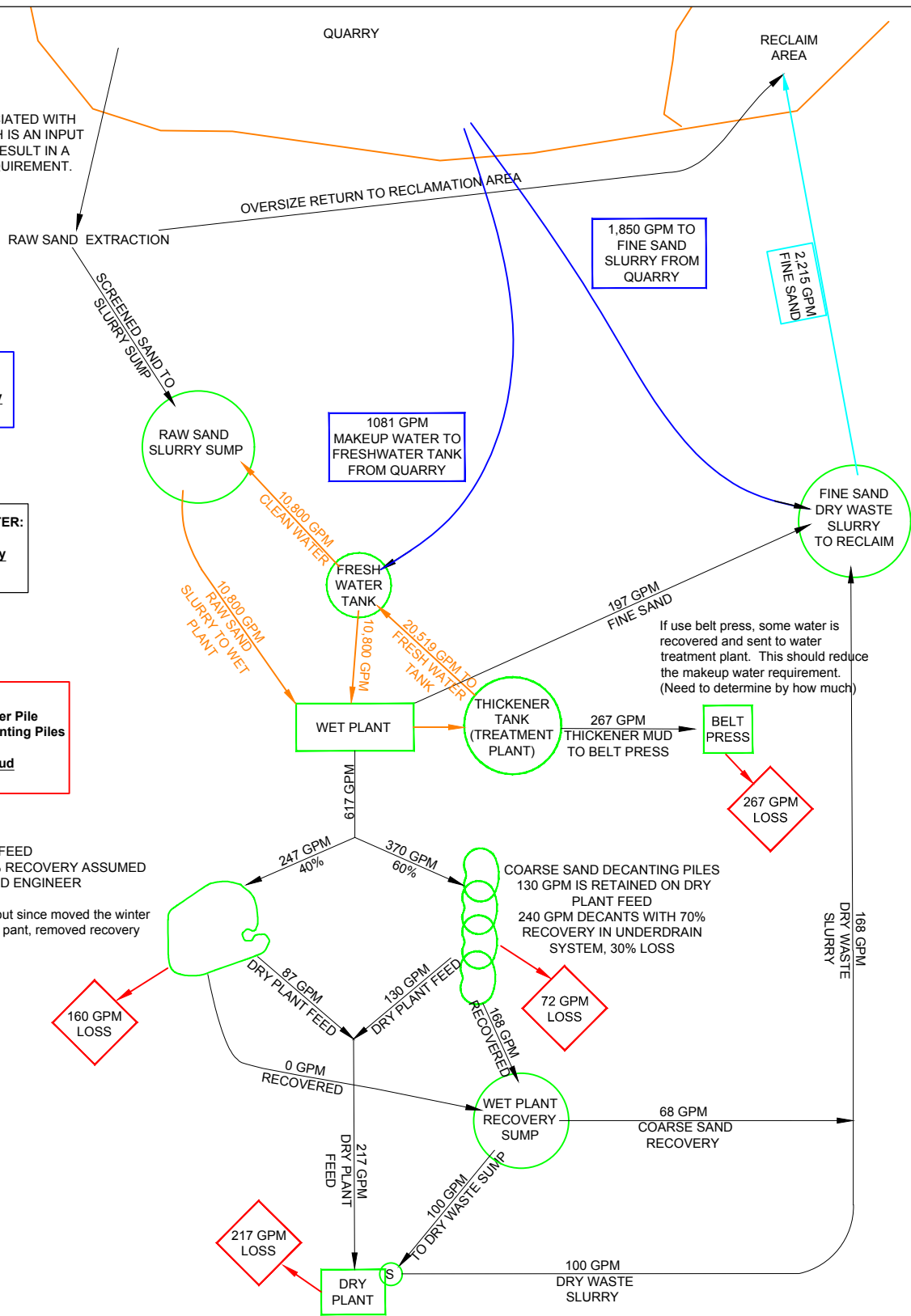


Figure 3.5.1
 Preliminary Water Circuit
 Merriam Junction Sands
 DEIS

