

## Two views south to north along the central axis of the pit

April 6, 2020



During the operation of the pit, water discharge from the pit area into an adjacent drainageway and via the original drainage from this area prior to mining was not allowed due to a large barrier that was constructed at the outlet. Eventually the outlet area was mined for sand leaving a deep hole where water from the entire pit would collect after large thunderstorms. This maintained a complete surface disconnect between the pit area and the adjacent drainage.

Note: The elevation difference between the original and the new flow line - as shown in the adjacent photo - is a matter of inches.

March 14, 2022



During the reclamation of the pit the slopes were graded to 5:1, the large hole at the outlet (about 15 feet deep) was filled and the wall barrier removed so water could be discharged into the adjacent drainage via a route it originally flowed down to join that drainage. The drainage flow line was made more sinuous and the total elevation drop from the toe of the back slopes of the pit and the outlet is about 1% to 2% with some area almost level so the flow through the pit should be gentle with even a few shallow basins forming that will hold water after storms but only a couple of inches deep. It is expected that this drainage will be invaded by willows and possibly cottonwood adding to the stability of the drainage. It is also possible that Schmidt will collect some willow branch cuttings from along Coal Creek and lay them horizontally in the softer and muddier locations along the drainage to encourage woody plant growth.