

Water Diversion Ridge to Protect Main Road



After backfilling and grading the big wash and sediment basin it was realized that now there was a high probability that runoff from the plant site would most likely go to the main road through this part of the Lowry Range and could render that road impassable for some period after large storms. To solve that problem a broad ridge was built between the flow down the hill to the east to the road and the road. It was graded such that it would discharge the runoff to the north and into an area that was mined and reclaimed over 20 years ago. Thus, only a small part of very heavy flows would flow on to the road and into ditches and culverts that are there that can handle those kinds of flows. In large flows most of the water would flow out onto vegetated and stable land aiding in its growth.

These are two views that connect at the match line that shows most of this structure. The blue lines show the likely water flow directions.

