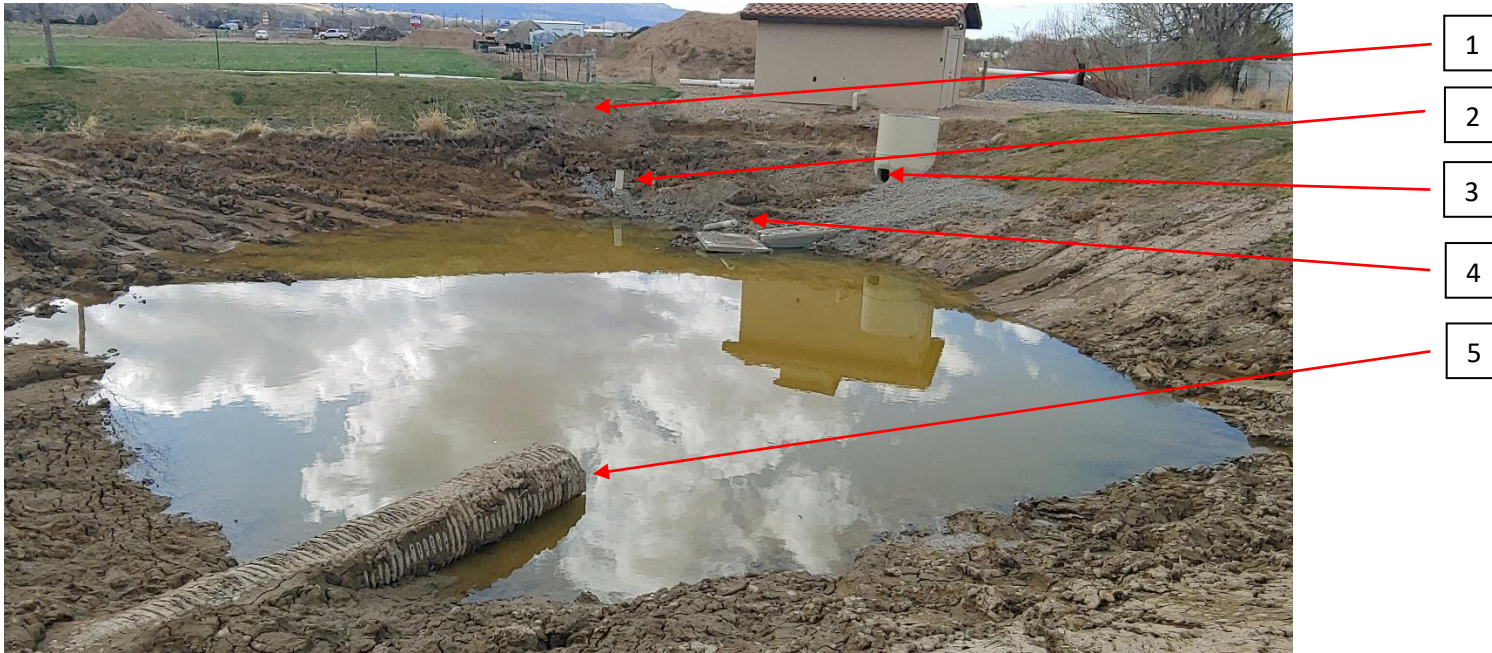


## DESCRIPTION OF IRRIGATION SYSTEM AND POND ELEMENTS

The photo below was taken on April 4, 2020 after a major cleanout of the pond. 25 truckloads of silt had been removed in the weeks prior. This silt buildup was from 6-7 years of buildup since the last cleanout. It is estimated that cleanouts will need to be done on a recurring 4-5 year basis or possibly more often.



Item # 1 –There is a 7-foot deep vault in the grass area south of the pump house covered with a heavy metal storm drain cover. The water flows into this vault from the south distributed by underground pipe from the riser out by the Grand Junction sign. The water flows to that riser through an underground pipe from the diverter box at the NW corner of the 28 ½ Road & Frontage Road intersection. Overflow water rising to the top of that vault has a large discharge pipe that flows under the road north and dumps into the ditch.

Item # 2 – This is the “inflow pipe”. It comes straight from the vault to the west (Item 1 above). The water comes to the pond through a 10” dia pipe outflowing horizontally from the bottom of the vault and then is turned vertically by a 90-degree connection.

Item # 3 – This is the “pond overflow structure that allows excess inflow to be carried by an underground pipe under the road north to dump into the ditch. At peak water inflows, oftentimes the water level in the pond is several inches above the top of the opening.

Item # 4 – This is the “gravity-fed” inflow pipe to the cistern in the pump house. The cistern is about 12-feet deep. It has a filter on the tip that should be cleaned at least once per year if possible.

Item # 5 – This is a storm water drain located at the SE corner of the pond. All of the storm water coming from the four storm drains (two near the south end of Kelso Mesa and two near the south end of Trevor Mesa) empty into the pond. This drain was “jetted” in 2020 as it was almost clogged. The Board suspects that might have been the first cleaning ever. It should be monitored and “jetted” as appropriate.