



MEMORANDUM

TO:	Brandon Laurie Pakpour Consulting Group	Date: May 17, 2016 Time: 10:00 am Weather: Sunny & Cool
FROM:	Chris Ingle, PE Thomas L. Swayze, SE	Job No: 2016022
PROJECT:	Tournament Tank No. 2 Water Tank Structural Observation of Tank	

We arrived on site at approximately 10:00 am, met with Misty Bradshaw with the Town of Hillsborough, Dana Gaya of DB Gaya Consulting, and yourself to observe the current state of the water tank. The following observations were made:

1. Access was permitted to the inside of the tank through one of the man hatches. From the floor, we observed some corrosion on the underside of the rafters, the underside of the roof plate, the dollar plate, and the ladder on the inside of the tank. Rafters adjacent to ladder were visible and corrosion did not seem to be serious. In general the corrosion appeared minor; however the extent of corrosion could not be properly assessed without a close inspection subsequent to cleaning from scaffolding, which is scheduled for a later date.
2. Access was permitted to the roof of the tank by use of the ladder on the outside of the tank. The tank hatch was observed and appeared to be in good condition with minor rust developing around its perimeter and underneath the lid. The roof plate was observed to have patches of minor rust throughout.

It should be noted the tank is scheduled to be cleaned prior to further observation of the extents of corrosion damage. Also, scaffolding will be installed on the inside of the tank at a later date to further assess corrosion damage to the roof plate and rafters.



Figure 1: Tournament Tank No. 2 Elevation



Figure 2: Underside of Roof Hatch



Figure 3: Rusted Ladder on Interior of the Tank



Figure 4: Patches of Rust on the Roof Plate



Figure 5: Corrosion on underside of Dollar Plate



Figure 6: Corrosion on underside of Rafters and Roof Plate



Figure 7: Corrosion on Knuckle Plate