



MEMORANDUM

October 13, 2015

To: Wade McKinney, City Manager

From: Ken Seumalo, Public Works Director

Re: Analysis of Golf Resort Sewer Capacity

City Staff analyzed the existing sewer system at the Indian Wells Golf Resort Fairway Grill to see if there is capacity to accommodate two new restrooms at the Pavilion.

Existing Restroom facility at Fairway Grill

- Sewer system consists of a 2-inch line and a grinder pump
- Grinder pump has the capacity to serve 36 restroom fixtures (15-gallons per minute maximum)
- 2-Inch PVC pipe has a 55-gallon per minute (GPM) capacity
- System serves 22 fixtures including toilets, sinks, urinals and kitchen drains that connect to the sewer line

Proposed Restroom facility at the Pavilion

- New toilets, sinks and a urinal will add an additional eight (8) fixtures
- Total of existing and proposed is 30 fixtures.

Findings:

If the sewer service is limited to the capacity of the grinder pump at 15 gallons per minute and it can (conservatively) handle 36-fixtures per the manufacture's rating; then the existing system has the capacity to serve the existing restroom/kitchen and proposed restroom improvements totaling 30-fixtures.