



Shephard Wesnitzer, Inc.

**Talking Rock Ranch
Phase 10-12-13 Sewer Design Report**

Addendum #1

Engineering an environment of excellence

Design Clarifications

SWI #05495

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Concerns have been raised by the ICRSD's contract engineer, Civiltec Engineering, in regard to future flows from Phases 17, 18, and 19 and their effect on the Phase 10 sewage pump station design and existing gravity lines.

The following clarifications are provided:

- On 4-25-07 the 4" force main from future Phases 17, 18, and 19 was revised from directly discharging into the 6" force main to discharging into the wet well of the Phase 10 lift station. This change was for convenience and does not affect the function of the lift station for development of Phases 10, 12 and 13.
- The Phase 10 lift station will be revisited in the future when and if additional flows are introduced to the facility. Any necessary modifications required will be addressed at that time.
- The original construction plans included a callout for a Flygt pump capable of 205 gpm at 86' head. The revision on 4-25-07 specified a pump capable of 270 gpm at 78' total head. The submitted Meyers pumps met that operating condition and were approved for the installation. Myers pumps are currently installed at the main lift station for Talking Rock Ranch.
- Pump float control elevations as shown on the construction plans are preliminary in nature. Final pump float elevations will be established in the field based on the number of homes discharging to the wet well. These settings will need to be modified periodically by the system operators as conditions change. This applies to not only the Phase 10 lift station, but also the main lift station pumping from Talking Rock Ranch to the ICRSD sewage treatment plant.