



## MEETING NOTES-DRAFT

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### REVIEW OLD BUSINESS

- a) Review Raba Kistner Contract and conceptual boring layout

### NEW BUSINESS

- LS has a quorum of Commissioners and opens the meeting
- Raba has asked that test bores be moved to accommodate existing site features prior. We will get a diagram from DG to evaluate.
- Russell Kane will be here to review and discuss onsite sanitary disposal
  - Non spray system with a pressurized/pumped system.
- WW/BCGC will provide initial estimate with alternate suggestions on the 16<sup>th</sup> with a review meeting at 4pm July 17.
- Owner is looking at furniture options and purchasing potential. Have visited other County organizations to see how those systems are working from an ergonomic/function standpoint
- RC discussed how modified system will work with our soil, topography, etc. under a low pressure dose system. We will need less suitable soil to meet the statutory requirements.



- System should have low OM requirements
  - System should present location advantages due to pressurized operation
  - LS asked about staying subsurface and this was confirmed.
  - 12" of pea gravel in each dosing trench.
  - No tank size reduction with pressurized system w/2 day reserve capacity
  - Has alternating dose system to sequence dosing w/mechanical valve vs solenoid operation. Redundant double pump system
  - RC thinks we would need about 10,000sf with about \$75k in max budget from 5' stub to field
  - We will discuss disposing of condensate system.
  - Backwash from water softener will need to be diverted from septic as well.
  - We will look at traffic rated tank for flexibility, add manhole and tee for future tie in to regional sewer.
  - DG talked about LUE vs future load to give RC a max capacity when the building is a 24 hour facility. Use a mix of prescriptive codes and push up to meet realistic maximums from a capacity standpoint. Mix of fixture count (B occupancy) and beds/LUE (R occupancy), and intermittent assembly occupancy in the classrooms.
  - 100' to 150' separation from our leach fields and adjacent wells. Walt is going to keep those active for later use. These must be maintained or we will be in a 'taking' condition and in contravention of TCEQ regulations.
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- SR thought stated that we need drains for slip hazard reduction vs DG's move to eliminate drains altogether. This pushes water to the doors and does create an issue
  - No RO system proposed for the building, just for a coffee makers, etc as an FFE item.
  - SO asked if the WW system is expanded to the station how do we move forward.
  - 6" main to sprinkler the building per NFPA 13, nonsprinkler the satellite building
  - Floor mounted WC's
  - 2-100 gallons water heaters with recirculation pumps
  - Discussed systems to be used in decontamination system. Prefer a large floor basin where mops, etc can be consolidated.
  - Add emergency shower over the decontamination floor basin. No eyewash at this point
  - Mezzanine on concrete deck over semi-load bearing block walls with both a ladder/hatch access with man doors that open to bay.
  - Discussed pros and cons of polished concrete vs tile or sealed floor. Consensus of DG and SS is that it represents a poor value to the Owner
  - Chief expressed desire to have sealed concrete in wet areas
  - Discussed utility of large central fan in apparatus bay to assist in air circulation along with unit heaters
  - Discussed need for back up generator. HCE is shooting for full system backup. WW cautioned the team on high cost. Chief Smith discussed relocation of existing generator and whether it would be cost effective.
  - JS will design back wall to act as a load bearing stem wall to double as retaining wall up to 8' in height with structural steel to support upper levels
  - No sprayed insulation will be required
  - No windows are needed in sleeping dorm areas



- Remote bay building will be estimated as a pull out add-alternate.

#### REVIEW ACTION ITEMS

- DG will work with Baker Aiklen to get the BCGC team grading data for estimate
- WW will provide Schematic Design (SD) estimate for next week's meeting for team review. Mentioned that we will be challenged to meet budget in light of existing grading issues. WW also discussed that BCGC will carry a comparatively high excavation cost number due to lack of geotech data

#### SCHEDULE NEXT MEETING

Next meeting will be at the same location on July 17 at 4pm.