

## Borderieux, Scott

---

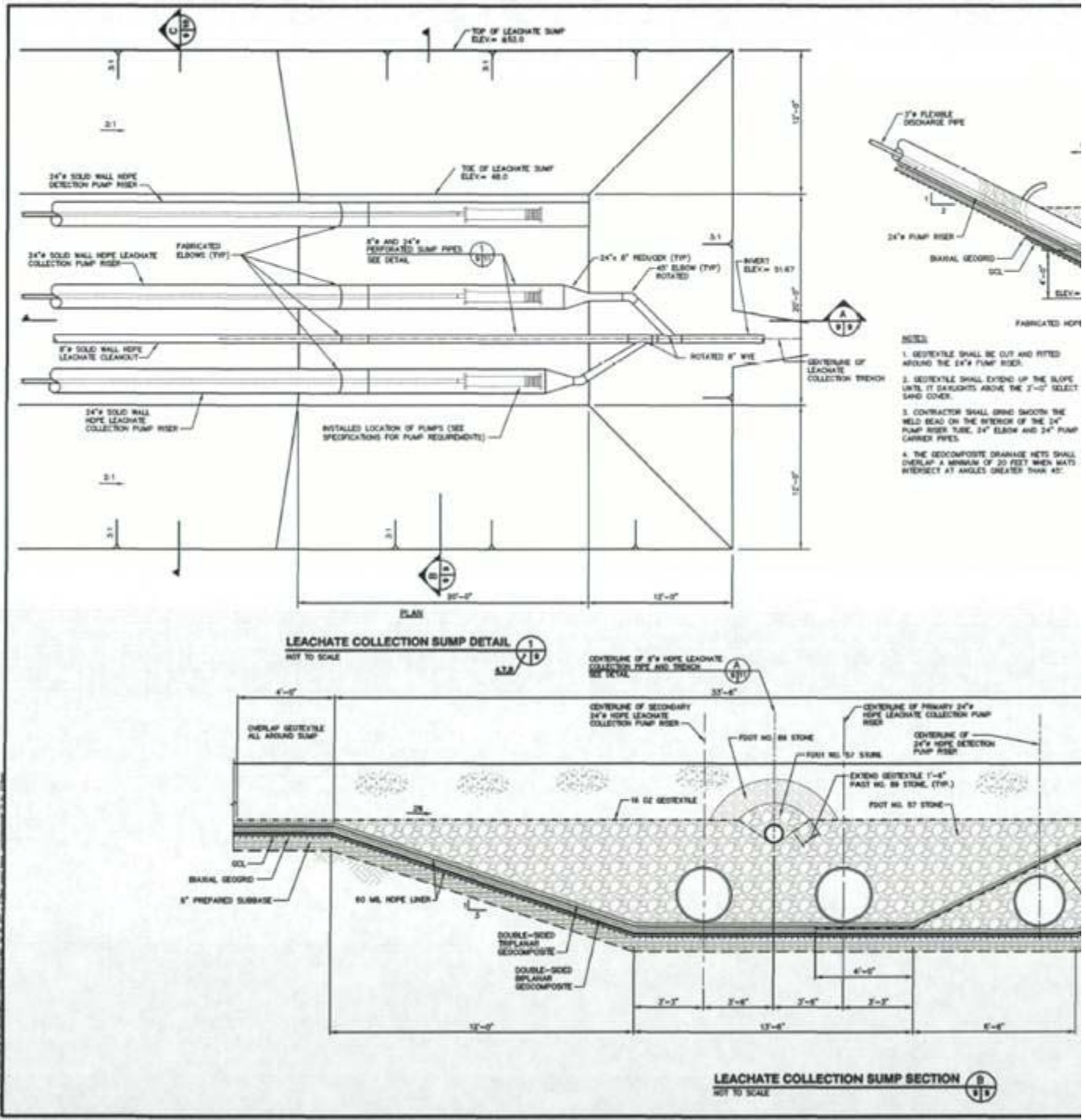
**From:** Borderieux, Scott  
**Sent:** Friday, October 4, 2019 3:15 PM  
**To:** Henry C. Norris  
**Cc:** Madden, Melissa; Dinning, Matt; Morgan, Steve; Tafuni, Steven  
**Subject:** Citrus Central Inspection Follow-up

Henry, it was nice to see you yesterday. As promised, here is the outline of items we discussed during the inspection that need follow-up. As always, please send photos of the fixes as they are completed. For anything that cannot be finished in 2 weeks (by 9-18-19), please provide a schedule of when and how it will be corrected.

Items to address:

1. Isolate and repair the active leachate seeps on the East side of Phase 3.
2. Evaluate the integrity of well MW-19 and replace the cracked well pad.
3. Provide the 2019 Q2 gas report.
4. Provide the 2019 Q3 gas report and Q3 leachate report when finished or by no later than October 15, 2019.
5. Provide a plan and a schedule to address the inadequate initial and intermediate cover on Phase 3
6. Provide documentation that the working face containment berm on the east side of Phase 3 has been restored.
7. Provide details about the compressed gas pilot project described to be mobilizing to the site next week (received 10-4-19 – Thank you).
8. Provide maintenance records for leachate pumps in accordance with Appendix D of the Operation Plan
9. Provide a schedule for mowing the 7 Acre cell and Phases 1 and 1A side slopes
10. Provide information regarding spotter retraining in the Citizen Drop Off/Scalehouse to ensure that Class I household wastes are not dumped on the ground in the furniture area
11. Provide additional information about pump and transducer locations at Phases 1, 1A, 2 and 3 in relation to the pump setpoints and provide a demonstration that leachate is not allowed to accumulate in excess of 12" on each of the respective landfill liners. As discussed during the inspection, it appears that the leachate pumps and transducers within the riser pipes of Phase 3 (and Phase 2?) may be located outside of the sump (within the pipe & before the elbow) and/or that the pump setpoints may be set too high. During the inspection, the Phase 3 primary lead pump was set to pump at 7' and the lag at 7'2", with pump off at 6'5" and the secondary on at 1'5" and pump off 1'1". The primary alarm is set to 8'. It was also indicated that the transducer is set 1' above the pump in the riser pipe. The sump appears to be 4' deep. Please see the Phase 3 Expansion Project, Sheet 9, titled *Leachate Collection System Details*, below or at the following link for more detail about the sump construction. Based on these observations, it appears that head on liner may be accumulating in excess of 12" within Phase 3 (and Phase 2?); and Phase 3 may never be drawn down to less than 12" of head (normal operating condition between 2'7" and 3' of head on liner outside of the sump or more depending on transducer location). Similar setpoints were observed for Phase II but details for the sump construction have not yet been reviewed.

[https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&\[guid=8.109141.1\]&\[profile=Permitting\\_Authorization\]](https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&[guid=8.109141.1]&[profile=Permitting_Authorization])



Thank you for your assistance with these items. Please let me know if there is anything I can clarify for you.

Scott

Scott Borderieux  
 Engineering Specialist  
 Compliance Assurance  
 Florida Department of Environmental  
 Protection -- Southwest District  
 13051 N. Telecom Pkwy Suite 101

Temple Terrace, FL 33637-0926  
(813) 470-5758 (direct line)  
(813) 470-5995 - fax  
[scott.borderieux@floridadep.gov](mailto:scott.borderieux@floridadep.gov)