

## Chris Phillips

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**From:** Chris Phillips  
**Sent:** Wednesday, January 09, 2008 8:45 AM  
**To:** 'Ratliff, Steve'; 'djehle@jehle-halstead.com'  
**Cc:** Clifton Wells; Stephen Furman  
**Subject:** Russell Elementary Punchlist for County Acceptance of Pond/Drainage

Steve/Don,

Please review the following items that need to be addressed prior to acceptance of the pond and drainage system at Russell Elementary. Clifton and I will be able to meet with you if necessary.

1. ~~Pour rollocks in all inlets.~~
2. ~~The shape of the curb is not what was approved on the construction plans. Provide revised gutter spread calculations to support the use of this shape of curbing.~~
3. ~~There are no expansion joints in the curbing that extend completely through the section. These should be sawn and filled with an approved joint material.~~
4. ~~The curb inlet tops are not according to the approved construction plans. The county requires a manhole access in the inlet top per the approved plans.~~
5. ~~The western cul-de-sac inlet has been dislodged from the riser. The space over the riser was not supported by a steel plate, only mortar and bricks. Please revise.~~
6. ~~Remove the oak tree just inside the pond access gate.~~
7. Fix erosion problem at gravel access drive into pond. Direct runoff to concrete swale at top of slope to help alleviate this problem.
8. ~~Provide steel pipe guard where concrete ditch and flume intersect to prevent crawling under fence by small child. Fence wire is not adequate.~~
9. Fill beneath fence. No gaps.
10. Tighten fence throughout. It is very loose in some sections.
11. ~~Clean out easternmost inlet in concrete swale. Stabilize the area upstream to prevent clogging by debris and silt. Clean out piping system.~~
12. The pond slope is slowly failing just east of the access road. This area appears to have been repaired from a previous washout.
13. The pond was sodded with centipede. Plans call for Bahia sod. Provide Bahia overseeding during growing season.
14. Top rail on fence should be a continuous pipe where applicable. There are a few locations where joints were put unnecessarily to follow the slope of the berm.
15. The rip-rap and erosion cloth at the discharge for the pond (railroad side) is undermined. Backfill, compact, and tuck fabric beneath the concrete curb to prevent undermining.
16. The rip-rap at the headwall in the pond (inflow pipe) is undermined. The energy dissipator is not installed. There is erosion around the sides of the headwall.
17. The skimmer to the outfall structure is not built to the elevation as shown on the plans.
18. There is an erosion problem between this pond and the pond to the west. If the west pond does discharge (only during and emergency event), said discharge needs somewhere to go. We can discuss a solution here; possibly a flume into the new pond.
19. ~~The brick risers for the slotted inlet in the concrete swale west of the pond access road should be constructed of concrete. You may consider adding concrete risers to create a "slot" in the easternmost inlet in the concrete swale to alleviate clogging.~~
20. Grass the area inside the fence around the gravel access road.
21. ~~Re-establish erosion controls around mitered end section at the north end of the piping system.~~
22. Place stop bar and yellow striping on south road at Excalibur Way.
23. ~~Stop signs are installed too short (should be 7ft-6in to bottom of sign).~~
24. ~~Install street sign post and "Excalibur" Street sign per approved plans. Do not co-mount on stop sign.~~
25. Provide barricade at end of roads per approved construction plans (at least the reflective portions and stop sign mounted to the provided gates).
26. ~~Asphalt is not 0.25" above the lip of the curb.~~

27. ~~Back of curb is chipped in several locations.~~
28. ~~Curb is starting to buckle in some locations.~~
29. ~~Provide all required testing reports and asphalt corings.~~
30. Provide surveyed legal descriptions for all required rights-of-way and public drainage easements (20 ft wide minimum to follow all piping the county will accept for maintenance) for review by the County Surveyor.
31. Provide access easement from Moultons to be able to reach the pond for maintenance.
32. ~~Set up appointment with Clifton Wells to inspect storm pipe for straightness and integrity of joints.~~
33. Fence corner posts are not sized per County specification.

Chris Phillips, P.E.  
 Project Engineer  
 Santa Rosa County Engineering  
 (850) 981-7100

676 Steven Furman  
 0191

CO. capacity use all  
 calculator  
 Does Pond  
 (3rd Party)  
 NO TO Pond  
 (DEP) Owned  
 BY  
 3rd Party  
 CO. owned

EX claim  
 King Artans

1- South - Short  
 1- North Short.

Owned By School-  
 Board