

Florissant Fossil Beds National Monument Water System Improvements Responses to Comments from June 19, 2012 Conference Call

- 1.a. Add specific equipment manufacturer and model information to each specified item in the specification documents, excluding commodity items such as PVC pipe and fittings.

Done
- 1.b. Section 329200, 2.1, A, 1. Add seed mix specification to match that of the septic system project.

Done
- 1.c. Section 331313, correct footer (this may apply to other sections, check all for consistency).

Done
- 1.d. Section 331313, 2.1. Change title to "Chemical Feed Equipment".

Done
- 1.e. Section 331616, 2.1, A. Verify air pressure test safety factor on storage tank – update if required.
- 1.f. Section 332100, 2.2, A, 1. Add the drop pipe depth to the specification based on data provided in Terracon study.

Done
- 2. Provide a copy of the hydraulic calculations for both supply and finished water lines (including selected well pump curve).

Done
- 3. Provide a copy of chlorine use rate calculations and suggested dilution / pump rate.

Done
- 4. Change drawing title block to match title block shown in scope of work, appendix D (download from NPS standards web page). Include designer information and contractor information from design/build team. Change title from "Schematic Drawings" to "Construction Drawings".

Done
- 5. The correct drawing number to be used in all title blocks is: 171 / 111794.

Done

6. Include symbol legend sheets for P&ID and Mechanical drawings. (This will be two sheets that include standard P&ID symbols as well as mechanical notes).

Done

7. Modify the pump house piping layout to include a horizontal piping run along the North wall of the building to allow space for additional future equipment if needed. Maintain minimum 12-inch horizontal spacing between pipe and interior north wall surface.

Done

8. Sheets 3, 16 and 19 do not comply with the Grey Water Disposal System Requirements. Update the drawings to ensure a catch basin is installed and that the Grey water disposal system meets the 300 gpd capacity requirement called for in amendment 4. Minimum pipe diameter shall be 4-inches exiting the catch basin outlet.

Done

9. Show connection details for level indicator and high/low level switches on Sheet 5 or in a detail.

Done

10. All standard details currently included with the specification package should be shown on a drawing sheet and included in the drawing package.

Done

11. The three required fire hydrants shall be located as follows: one at the A-Frame building, one at the Maintenance building, and one near the Admin building (near NE corner). Verify building stand-off required distance.

Done

12. The proposed "Alternate" alignment is approved. Alignment stationing will be updated to reflect this change and the TOPO information for the road will remain on the drawings for reference.

Done

13. Update flushing hydrant detail to identify air / vacuum release valve. Also see comment #16.

Done

14. Add a flushing hydrant near current station 46+50 (this will change with revised stationing due to selection of "Alternate" pipe route).

Done

15. Sheet 6 of 20: Update sheet index labeling and rectangle shapes to ensure consistency with other sheets.

Done

16. During the conference call on Tuesday DOWL mentioned that the component positioned above ground to the right of the blowoff hydrant is an ARV. If this is an ARV the detail title should be relabeled from "Blowoff Hydrant" to "Flush Hydrant and ARV" Specification section 221113 currently does not identify an ARV. How will the ARV work under normal operating conditions when curb stop is closed? Should the ARV be positioned between water main and curb stop? The way it's currently shown on the detail it appears the ARV won't function unless someone goes out and opens the curb stop. How will the ARV not freeze if it's placed above ground as shown?

Done. Response provided in a separate memo.

17. Provide a detail drawing for PRV vault shown on sheet 13.

Done