

# VARIANCE REQUEST

Iowa Department of Natural Resources

1. Date: August 29, 2002  
2. Review Engineer: Billy Chen  
3. Date Received: May 31, 2002  
4. County Number: 6  
5. Facility Name: St Anthony  
6. Program Area: CP (Wastewater)  
7. Facility Type: CO2  
8. Subject Area: 327, valve pit  
9. Rule Reference: 507-64.2(9)a  
10. Design Stds Ref: 13.10.4  
11. Consulting Engr: McClure Engineering Co.  
12. Variance Rule: 507-64.2(9)c

13. Decision:

Date:

Approved  
9/5/02

14. Appeal:

Date:

## 15. Description of Variance Request:

The city requests a variance from the design standard which requires valves for submersible pumps station be located in a separate valve pit. The city is proposing using valves inside a small pumping station wet well.

## 16. Consulting Engineer's Justifications

This project is a participant in the Iowa Rural Water Association Small Community Wastewater Pilot Project. This Department has approved several variance from our design standards to the Small Community Wastewater Pilot Projects. Buried valves was originally approved, then valves located inside the wet well was late approved also.

## 17. Department's Justifications

A letter from this department on March 8, 1995 approved the buried valves concept as a value engineering design for most of these unsewered communities. The Department later on approved the design of locating valves inside wet well. Departmental approval is recommended since this project is a Small Community Pilot Project.

## 18. Precedents Used

Previous small community pilot projects

19. Staff Reviewer: Billy Chen

Date:

August 29, 2002

20. Supervisor:

Date:

8/30/02

21. Authorized by: J. Kressen

Date:

9/5/02