

APPENDIX G

Engineer's Report for Approval of a Backflow Prevention Design



**ENGINEER'S REPORT
FOR APPROVAL OF A BACKFLOW PREVENTION DEVICE**

Name of Facility/Project: _____

Address: _____ Town: _____

1. Facility/Project Classification (Check all That Apply):

- | | |
|--|--|
| <input type="checkbox"/> Residential Multi Family; No. of Units _____ | <input type="checkbox"/> Funeral Home |
| <input type="checkbox"/> Single Retail Store | <input type="checkbox"/> School – Public/Private |
| <input type="checkbox"/> Multiple Retail Stores/Plazas | <input type="checkbox"/> Country Club/Golf Course |
| <input type="checkbox"/> Single Business | <input type="checkbox"/> Church |
| <input type="checkbox"/> Multiple Business; Professional/Office Building | <input type="checkbox"/> Nursery/Garden Store |
| <input type="checkbox"/> Food Service/Restaurant | <input type="checkbox"/> Health Club/Community Center |
| <input type="checkbox"/> Laundromats/Dry Cleaners | <input type="checkbox"/> Automotive Sales/Service Center |
| <input type="checkbox"/> Hotel/Motel; No. of Rooms _____ | <input type="checkbox"/> Grocery |
| <input type="checkbox"/> Car Wash | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> Medical Center/Nursing Home/Hospital | |

2. How many stories (floors) will the facility have? _____

3. What is the square footage of floor space at the facility? _____

4. What is the maximum domestic flow rate (GPM)? _____ GPM

What is the average daily consumption (Gallons)? _____ GPD

What is the size of the domestic service? _____

5. Will the facility/project receive domestic water supply from a secondary source, such as (Check if Yes):

- Well Cistern Other _____

6. Please indicate method of Sewage Disposal:

- Public Sewer Private Septic Other _____

7. Will the facility require a booster pump station on the domestic Service? Yes No

If YES, what will pressure be in MCWA's main at the point of connection during Maximum Flow: _____ PSI

8. Will the facility have a fire service? Yes No

(If YES, answer Questions A through E below; if no, continue to Question 9)

a. Will the fire service have a fire pump? Yes No If YES, what will pressure be in MCWA's main at the point of connection during Maximum Flow: _____ PSI.

b. Is the facility located within 1700 feet of an alternative source of water (retention pond, lake, river, canal, etc.) from which fire equipment could draw from (draft) in the event of a fire? Yes No

If YES, please describe: _____

c. What is the size of the fire service? _____

d. What is the maximum flow rate of the fire service? _____

e. Check all that apply to the facility's fire system: Wet System Dry System Private Fire Hydrant

Pumper Connections Other _____

