CLAIMS

1. A gate valve comprising:
a body;
a sensing bore defined in the gate valve,
a bonnet; and a notch relief defined in the bonnet, wherein the sensing bore is accessible through the notch relief of the bonnet,
the bonnet includes a flange that is secured to a corresponding flange of the body, and the notch relief is defined in the flange of the bonnet.

2. The gate valve of claim 1, wherein the sensing bore is defined in the body.

3. The gate valve of claim 2, wherein the sensing bore is defined in webbing of the body.

4. The gate valve of claim 2, wherein the sensing bore is defined proximate an inlet end of the body.

5. The gate valve of claim 1, further comprising a vein,
wherein a diameter of the vein is about equal to a diameter of the sensing bore.

6. The gate valve of claim 5, wherein the sensing bore includes threading and wherein the vein includes threading to mate with the threading of the sensing bore.

7. The gate valve of claim 5, further comprising a bonnet, wherein the vein extends through the bonnet.

8. The gate valve of claim 1, further comprising a plug, the plug including threading to mate with threading of the sensing bore.

9. A gate valve comprising:
a body;
a sensing bore defined in the gate valve,
a bonnet; and a notch relief defined in the bonnet, wherein the sensing bore is accessible through the notch relief of the bonnet,
the sensing bore is defined centrally in a webbing of the body,

the bonnet includes a flange with an outmost extent,
the body includes a flange that matches up with the flange of the bonnet over a gasket seat, and
the notch relief extends to the outmost extent of the flange.

10. The gate valve of claim 9, wherein the sensing bore is defined in the body.

11. The gate valve of claim 10, wherein the sensing bore is defined proximate an inlet end of the body.

12. The gate valve of claim 9, further comprising a vein,
wherein a diameter of the vein is about equal to a diameter of the sensing bore.

13. The gate valve of claim 12, wherein the sensing bore includes threading and wherein the vein includes threading to mate with the threading of the sensing bore.

14. The gate valve of claim 12, further comprising a bonnet, wherein the vein extends through the bonnet.

15. The gate valve of claim 9, further comprising a plug, the plug including threading to mate with threading of the sensing bore.

~~9~~16. A subassembly comprising:
a body, the body defining a sensing bore;
a bonnet contacting the body; and
a notch relief defined in the bonnet, wherein the sensing bore is accessible through the notch relief of the bonnet,
the bonnet includes a flange that is secured to a corresponding flange of the body and the notch relief is defined in the flange of the bonnet.

~~10~~17. The subassembly of claim ~~9~~16, wherein the sensing bore is defined in webbing of the body.

~~11~~18. The subassembly of claim ~~9~~16, further comprising a gate and a stem.

~~12~~19. The subassembly of claim ~~9~~16, comprising at least one of a vein and a plug in the sensing bore, where the sensing bore includes threading to mate with at least one of the vein and the plug.

~~13~~20. The subassembly of claim ~~9~~16, comprising a vein in the sensing bore, wherein the vein includes an end, wherein a sensor may be mounted to the end.

~~14~~21. The subassembly of claim ~~9~~16, comprising a vein in the sensing bore, wherein the vein extends through a notch relief in the bonnet.

22. A subassembly comprising:
a body, the body defining a sensing bore;
a bonnet contacting the body; and
a notch relief defined in the bonnet, wherein the sensing bore is accessible through the notch relief of the bonnet,
the sensing bore is defined centrally in a webbing of the body,
the bonnet includes a flange with an outmost extent,
the body includes a flange that matches up with the flange of the bonnet over a gasket seat, and
the notch relief extends to the outmost extent of the flange.

23. The subassembly of claim 22, further comprising a gate and a stem.

24. The subassembly of claim 22, comprising at least one of a vein and a plug in the sensing bore, where the sensing bore includes threading to mate with at least one of the vein and the plug.

25. The subassembly of claim 22, comprising a vein in the sensing bore, wherein the vein includes an end, wherein a sensor may be mounted to the end.

26. The subassembly of claim 22, comprising a vein in the sensing bore, wherein the vein extends through a notch relief in the bonnet.

~~15~~27. A method of sensing an aspect of a water control system, the method comprising:
gaining access to the water control system through an access bore in a gate valve;
at least temporarily removing water for testing from the access bore; and
sensing an aspect of the removed water, wherein gaining access to the water control system comprises accessing the access bore through a notch relief that is defined in a bonnet of the gate valve,
the flange of the bonnet being secured to a corresponding flange of a body of the gate valve.

~~16~~28. The method of claim ~~15~~27, wherein the sensed aspect includes at least one of pressure, turbidity, chlorination, and acidity.

~~17~~29. The method of claim ~~15~~27, wherein the access bore is defined in a body of the gate valve.

~~18~~30. The method of claim ~~16~~28, wherein gaining access to the water control system through an access bore in the gate valve includes gaining access to the water control system through a vein extending through the access bore.

31. A method of sensing an aspect of a water control system, the method comprising:
gaining access to the water control system through an access bore in a gate valve;
at least temporarily removing water for testing from the access bore; and
sensing an aspect of the removed water, wherein gaining access to the water control system comprises accessing the access bore through a notch relief that is defined in a bonnet of the gate valve,
the sensing bore is defined centrally in a webbing of the body,
the bonnet includes a flange with an outmost extent,
the body includes a flange that matches up with the flange of the bonnet over a gasket seat, and
the notch relief extends to the outmost extent of the flange.

32. The method of claim 31, wherein the sensed aspect includes at least one of pressure, turbidity, chlorination, and acidity.

33. The method of claim 31, wherein the access bore is defined in a body of the gate valve.

34. The method of claim 32, wherein gaining access to the water control system through an access bore in the gate valve includes gaining access to the water control system through a vein extending through the access bore.