



**“A PROBLEM YOU’RE GOING TO HEAR ABOUT LATER.”**

*Brian Tym / Cannon Design*



*For uncertain or demanding applications, CISP is the more durable choice.*

**Brian Tym on PVC and Noise Abatement**

“I was working on a six-story outpatient facility. I wanted to specify cast iron, but they said absolutely not. We save money by using PVC pipe. I remember thinking, ‘Ooooookay, now that problem is going to come back to me later.’”

“The problem was that everything – storm, sanitary, and clean waste water mains – all runs over a waiting room area. So when it rains, it sounds like a waterfall. So it came back to me with the ‘what can we do?’”

“All horizontal drain piping was wrapped with 1" fiberglass insulation.”

“So now we have to add additional layers of fiberglass insulation to approximately 800 feet of PVC pipe to get it down to the noise rating of cast iron. There’s no way this is a cost savings.”

“PVC has its place and is a great value. I use it all the time, but you have to make sure it really is a value in your application.”

“Cast iron offers some advantages over PVC, such as noise control, and this is an essential part of design criteria.”

*For more case studies on cast iron and the perils of value engineering, go to [charlottepipe.com/VE](http://charlottepipe.com/VE).*