For a real 3-manifold embedded in $\mathbb{C}^3$, the local geometry at each point is either “totally real” if the tangent plane contains no complex line, or “CR singular” otherwise. Embeddings in general position have a CR singular locus along a curve, but I will show by examples that isolated CR singularities can occur. One such example appears in a refinement of Webster’s classification of parabolic CR singularities by cubic normal forms. (Received February 15, 2016)