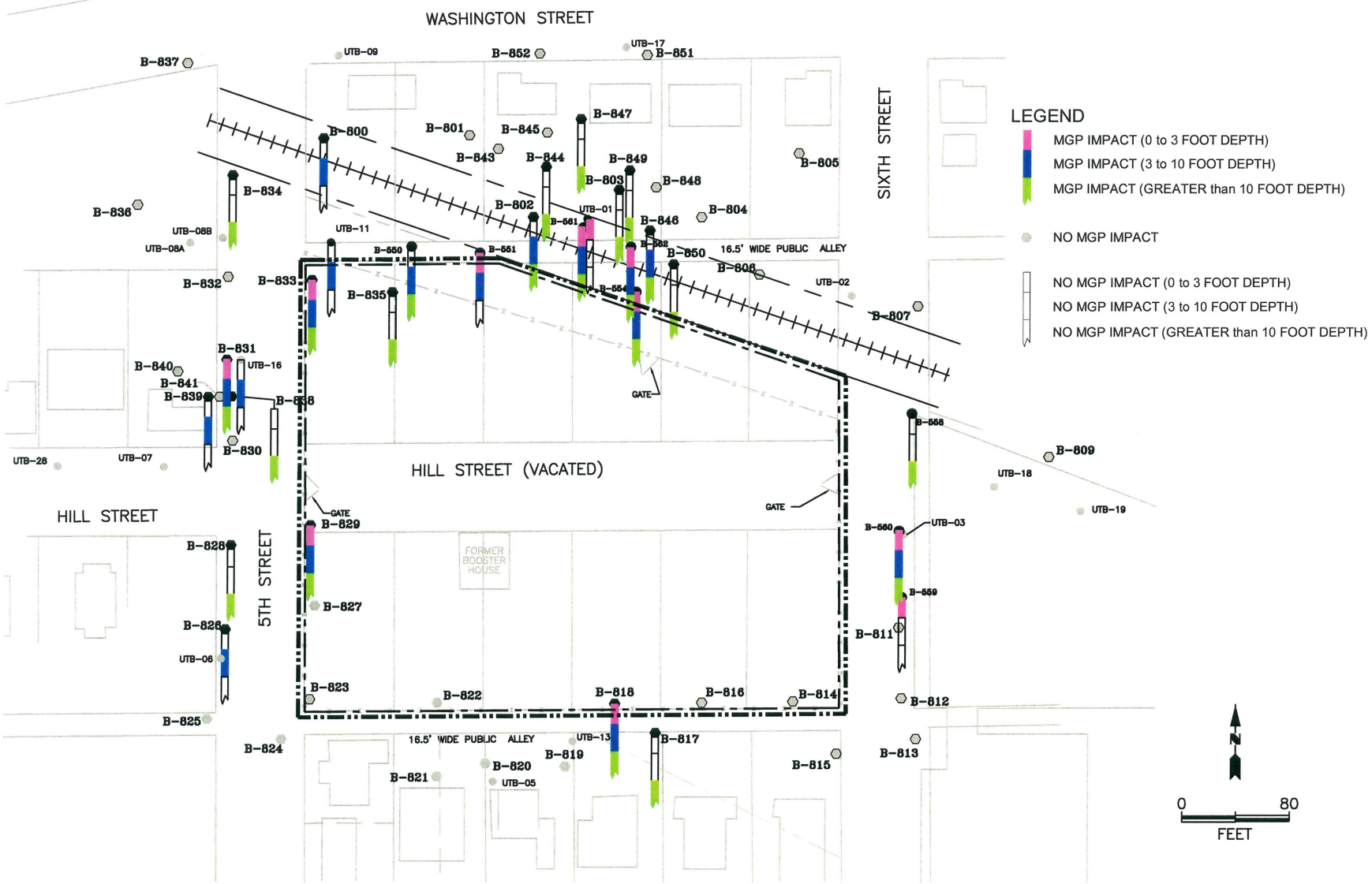MGP-Related Tier 1 Exceedances by Depth