

# UPPER MALLETTS CREEK FLOODWATER REPORTING APP

For many years, a residential neighborhood in Ann Arbor had been experiencing severe flooding during heavy rain events. Flooding would happen so fast that by the time officials arrived on scene, floodwaters would have already receded and the damage was done. This made it difficult to get an accurate comprehension of the true details of the flooding without seeing it themselves.

The City of Ann Arbor and the Washtenaw County Water Resources Commissioner hired Crome Data Management, LLC to develop an online app that allowed residents to report and document flooding incidents immediately as they occurred. The app that allows residents to take a picture of flooding as it occurs and add details including the time and address. When data is entered into the app, the information is automatically recorded on an interactive map that shows the details of every flooding incident reported.

In return, engineers are able to take that information and compare it with the details of the storm or runoff event and incorporate it into an overall storm water model. This will help identify solutions to the flooding in this particular neighborhood.

Not only does this app give residents a voice and a chance to help with the solution effort to the flooding issues, but it also allows team members to get a much better perspective of the type of flooding occurring and when it occurs.

