

Advisory Technical Panel – Infiltration and Inflow Control Program

September 17, 2015 Meeting Minutes

Attendees: See attached Sign-In Sheet

I. Reducing Excessive Infiltration/Inflow in Local Sanitary Sewer Systems

Mrs. Justine Skawski, Principal Civil Engineer, summarized that the MWRD is researching and exploring the possibility of a GIS Assistance Program that would be available to the communities that are interested in utilizing GIS to map their sewer systems.

II. ATP Committee

Mr. Michael Zigulich, Assistant Civil Engineer, delivered a presentation (attached) regarding the general outline of a potential GIS Assistance Program and asked the ATP Committee to share their GIS experience.

Mr. Matt Overeem (Village of Mount Prospect) discussed his Village's effort in creating a GIS map. He stated that a consultant collected most of the sewer and water data within 6 months. The Village is still collecting additional data and conducting its own QA/QC of the data. He stated that medium accuracy GPS units are used; however, he is working to obtain high accuracy GPS units to have more accurate and reliable data.

Mr. Al Hollenbeck (RJN), Mr. Sean O'Dell (Baxter & Woodman), and Mr. Overeem recommended high accuracy GPS units (capable of providing survey-grade coordinates) for the program over lower accuracy units.

Mr. Hollenbeck and Mr. Overeem recommended that the training budget should be as much as the equipment budget. They both indicated that continuous software and hardware training will be essential for successful data collection and processing.

Mr. Overeem suggested the MWRD provide a standard data model for all communities.

Mr. Hollenbeck and Mr. Overeem discussed the difficulty and expense of obtaining a base map, and asked if the MWRD has a base map they can provide. Mr. Overeem suggested that the MWRD could share their base map with the communities by an IGA. Mr. Tom Nagel (Robinson Engineering) stated that Cook County's base map can be obtained from them by executing an IGA.

Mr. Overeem suggested the MWRD conduct a survey to gauge interest of the program. Mrs. Skawski stated that the MWRD will be conducting a survey.

Mr. Hollenbeck, Mr. Overeem, and Mr. Dave Weakley (City of Palos Hills) suggested that the MWRD assist with NASSCO training since NASSCO coding is required by the IICP.

Mr. Hollenbeck and Mr. Overeem suggested that dedicated GIS and IT staff will be needed for a successful GIS map to be developed.

Mr. Weakley indicated that his City started their GIS map with a student partnership through Northern Illinois University.

Mr. Mark Toll (Elk Grove Township) indicated that smaller-sized communities will need to have their GIS data hosted at the MWRD or become a member of a consortium.

III. Next Meeting

The next ATP meeting has not been scheduled. The MWRD will contact the ATP Committee and schedule a meeting when the survey has been completed and results have compiled.