

GIS TOOLS FOR STORMWATER COMPLIANCE: WEST SPRINGFIELD, MA

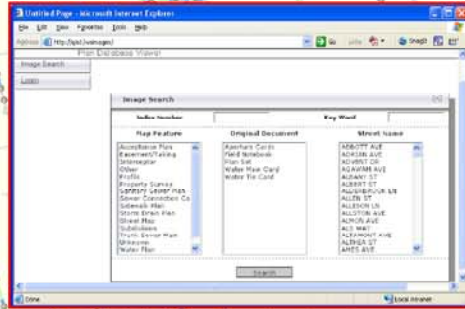
Andrea Newman, M.E.M., Robert Peirent, M.S., P.E., Tighe & Bond; Jim Lyons, P.E. West Springfield DPW



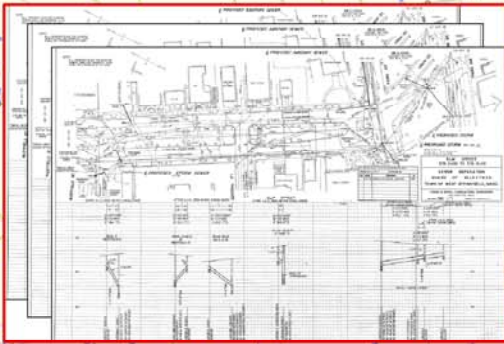
Tighe&Bond

Step 1: Create Asset Management Databases

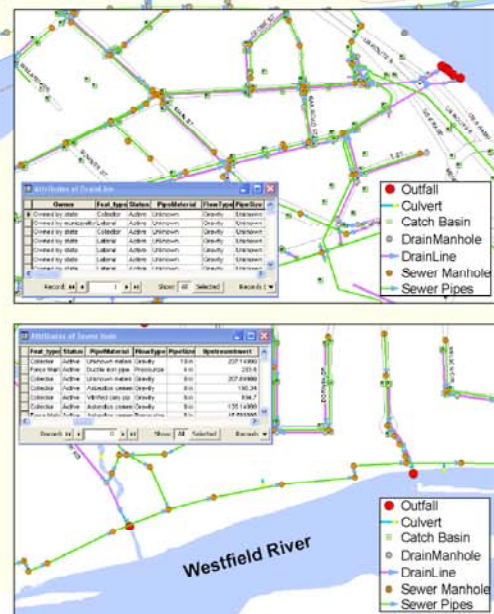
Create Searchable Database of Plans



Identify Plans and Interpret



Create GIS Databases and Maps



Step 2: Perform Field Work to Verify GIS Asset Inventory

GPS and Inspect Outfalls



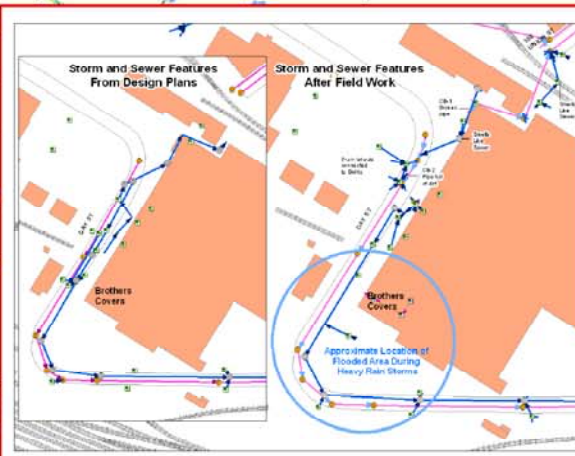
Perform Dye Testing



Perform Video Testing

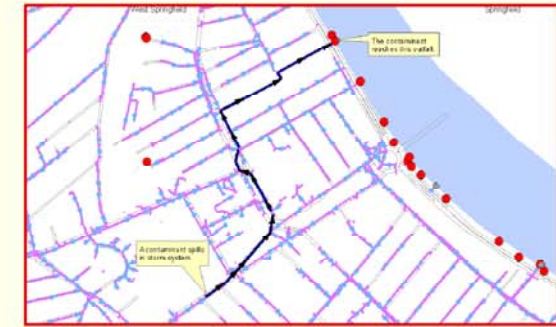


Update GIS Databases and Maps with Field Data



Step 3: Illicit Discharge Detection

Perform Network Tracing



Inspect and Monitor Outfalls

FEATURES	INITIALS	REVISIONS	PLAN TYPE	LAND USE IN AREA	LOCATION
<input type="checkbox"/> Sewer <input type="checkbox"/> Storm <input type="checkbox"/> Other	<input type="checkbox"/> 10/10/07 <input type="checkbox"/> 10/10/07 <input type="checkbox"/> 10/10/07	<input type="checkbox"/> 10/10/07 <input type="checkbox"/> 10/10/07 <input type="checkbox"/> 10/10/07	<input type="checkbox"/> 10/10/07 <input type="checkbox"/> 10/10/07 <input type="checkbox"/> 10/10/07	<input type="checkbox"/> 10/10/07 <input type="checkbox"/> 10/10/07 <input type="checkbox"/> 10/10/07	<input type="checkbox"/> 10/10/07 <input type="checkbox"/> 10/10/07 <input type="checkbox"/> 10/10/07

Adopted from Center for Watershed Protection (www.cwp.org)

Track Inspection Information in GIS



Choose Annual Monitoring Sites

