

GIS TOOLS FOR STORMWATER COMPLIANCE: WEST SPRINGFIELD, MA

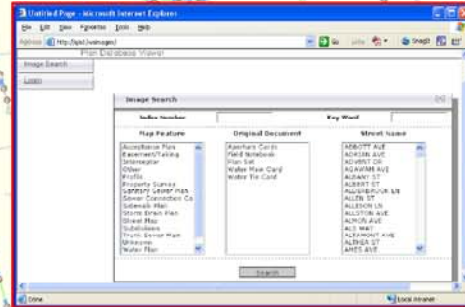
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Tighe&Bond

Step 1: Create Asset Management Databases

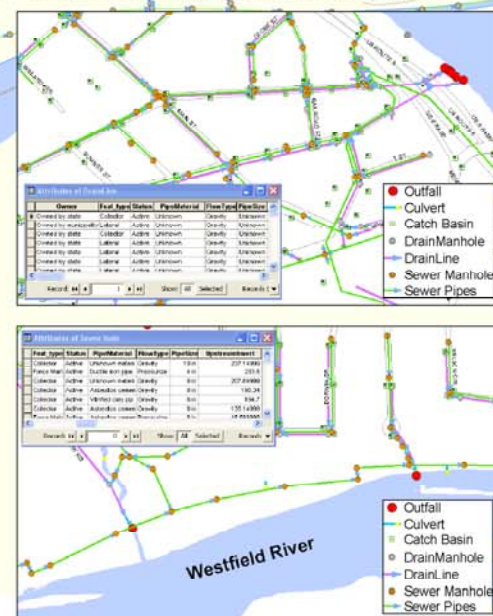
Create Searchable Database of Plans



Identify Plans and Interpret



Create GIS Databases and Maps



Step 2: Perform Field Work to Verify GIS Asset Inventory

GPS and Inspect Outfalls



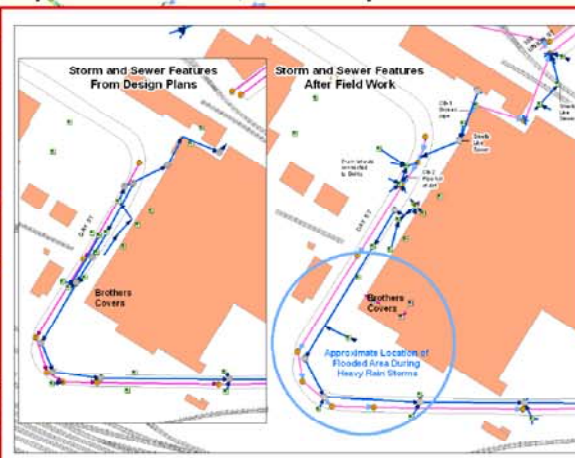
Perform Dye Testing



Perform Video Testing



Update GIS Databases and Maps with Field Data



Step 3: Illicit Discharge Detection

Perform Network Tracing



Inspect and Monitor Outfalls

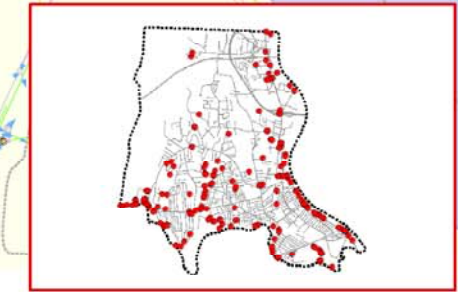
FEATURES	INITIALS	REASON	FLOW TYPE	LAND USE IN AREA	LOCATION
1. Pipe	2. PVC	3. EOP	4. Public/Shared	5. Medium	6. 10+ ac Residential
7. Other	8. Other	9. Other	10. Other	11. Other	12. Other

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

Track Inspection Information in GIS



Choose Annual Monitoring Sites



Date: May 15, 2008
Data: Utility data from engineering plans dating back 100 years and field work during 2006 and 2007.