IDDE Catchment Investigation Procedure

### Step 1. Records review
Applies to all Problem, High priority, and low priority basins (or outfall catchment areas) in the priority area.

- **Does records review identify presence of any SVFs →?**
  - No → Document absence of SVFs in Annual Report
  - Yes → Conduct at least 1 wet weather screening/sampling at catchment outfall

- **Indication of sanitary sewer or septic inputs?**
  - No
  - Yes → Isolate and verify source and require its removal.

**SVFs**
common (twin invert) manholes, directly piped connections between storm & sanitary structures, common weir walls, sanitary sewer underdrain connections, other structural vulnerabilities where sanitary flow can enter MS4 during wet weather

### Step 2. Storm drain network investigation
Applies to all Problem, High priority, and low priority basins (or outfall catchment areas) in the priority area.

- **Conduct dry weather Key Junction manhole investigation**
  - **Is there evidence (visual, olfactory, or sampling flow) of illicit connection?**
    - Yes → Investigate area draining to junction manhole and isolate and verify source of illicit connection. Require removal of illicit connection
    - No → Document absence of illicit connection in Annual Report
  - **Conduct dry weather screening within 1 year to confirm removal of illicit connection (unless SVFs then conduct dry and wet weather screening)**
    - **Is there evidence of illicit discharge?**
      - Yes → Conduct additional investigation to verify the source and remove.
      - No → Conduct follow-up dry weather screening within 5 years of completing Catchment Investigation Procedure (unless SVFs then conduct dry and wet weather screening)