

Smoking Testing the Sewers



A drone's recorded video enables us to move from this static view of City Hall



...to a view that is “alive”.

WHY SMOKE TEST YOUR SEWER COLLECTION SYSTEM PIPING?

SMOKE TESTING IS A
INEXPENSIVE WAY TO
FIND INFLOW &
INFILTRATION
SOURCES



CREATE AMAZING.

Inflow & Infiltration (I/I) is Illusive



Four Steps To Reduce I/I

Quantification

Identification

Rehabilitation

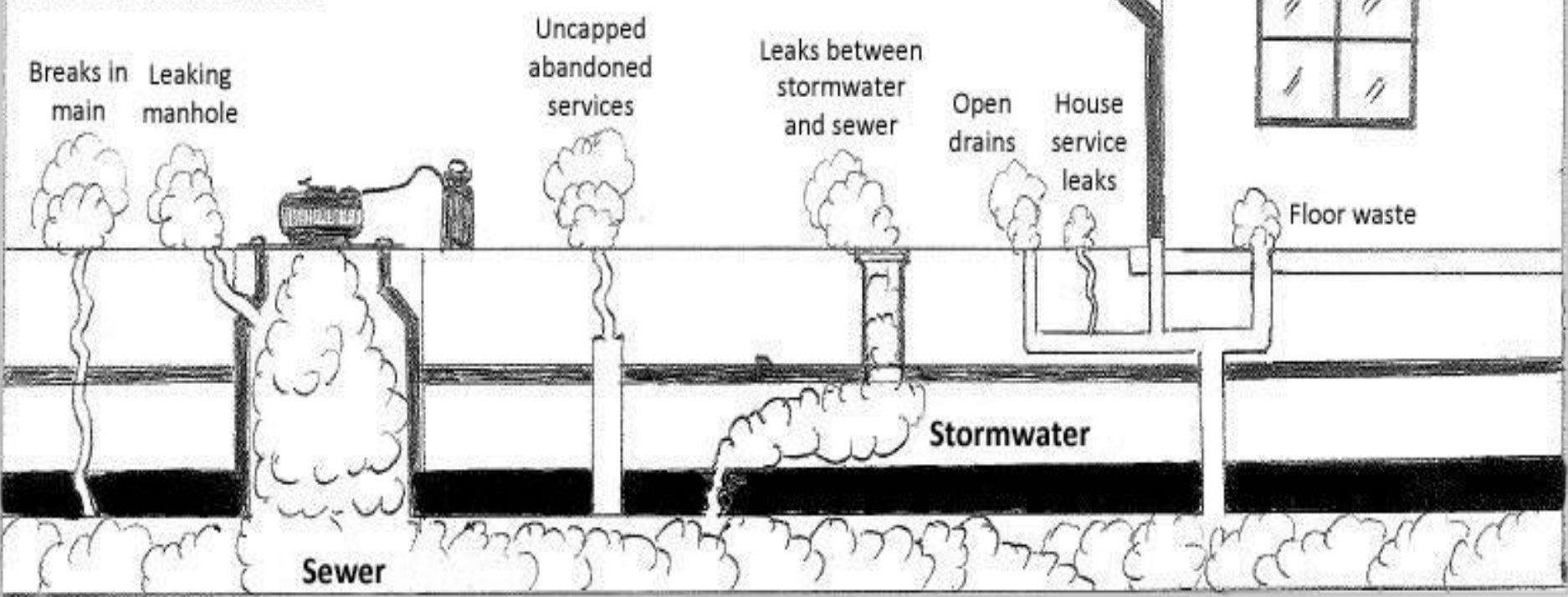
Verification

Purpose of Smoke Testing

- ▶ Identify gravity sewer system defects.
- ▶ Locate cross-connections between sanitary sewers and storm piping.
- ▶ Confirm system connectivity.

Smoke Testing for I/I Sources

Uses for Smoke Testers



Side-by-Side Comparison



**SMOKIN' WITH A
DONE IS LIKE...**



CREATE AMAZING.

A New Offensive Approach



**FIELD CREW IS
READY**

**DRONE IS READY
FOR TAKEOFF**

DRONE SUPPORT

COMING HOME



CREATE AMAZING.

AS SEEN BY THE DRONE

EMPLOYING THE ENTIRE ARSENAL



CREATE AMAZING.

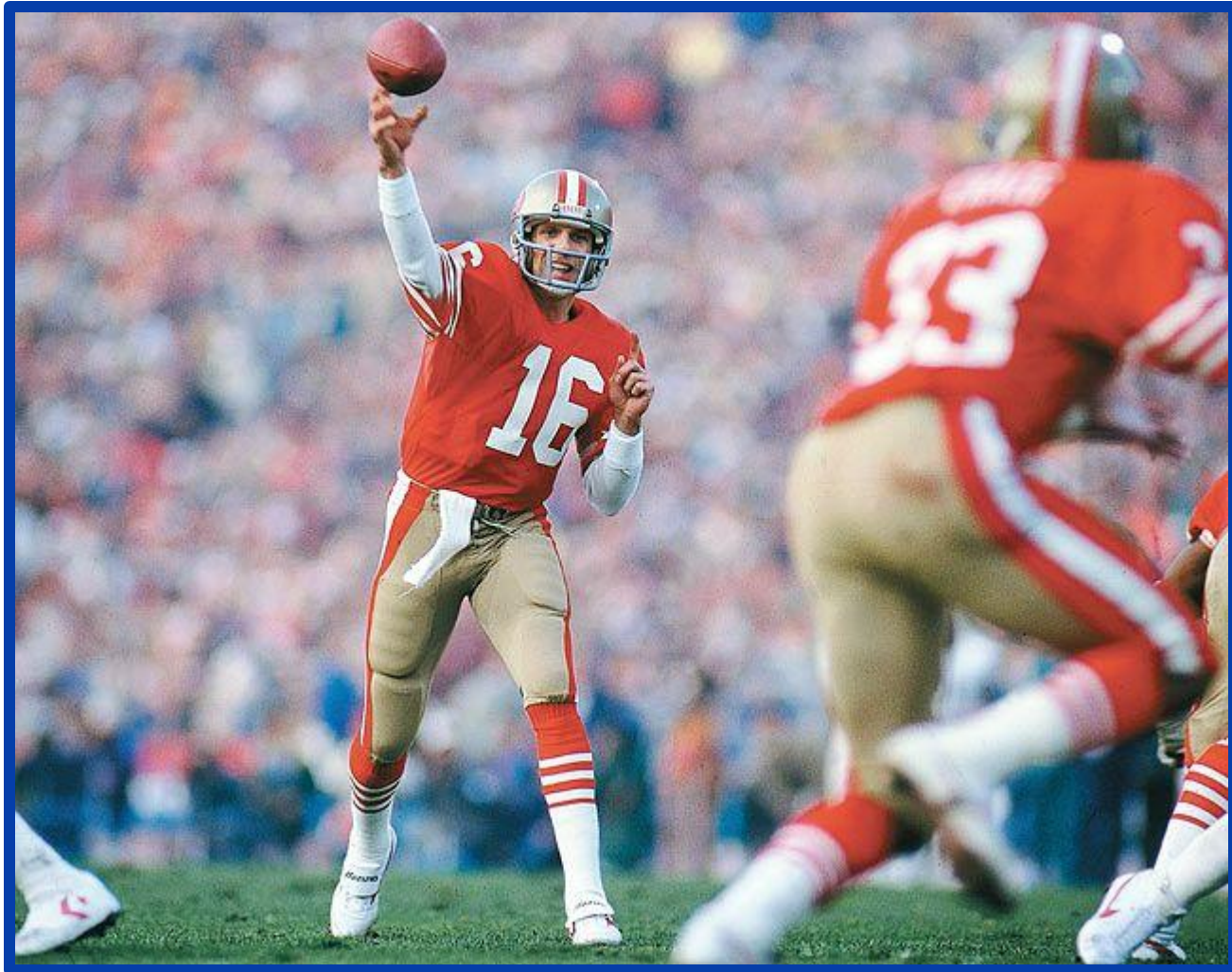
DRONE FOOTAGE

THE BIG PICTURE

BURNS  MCDONNELLSM

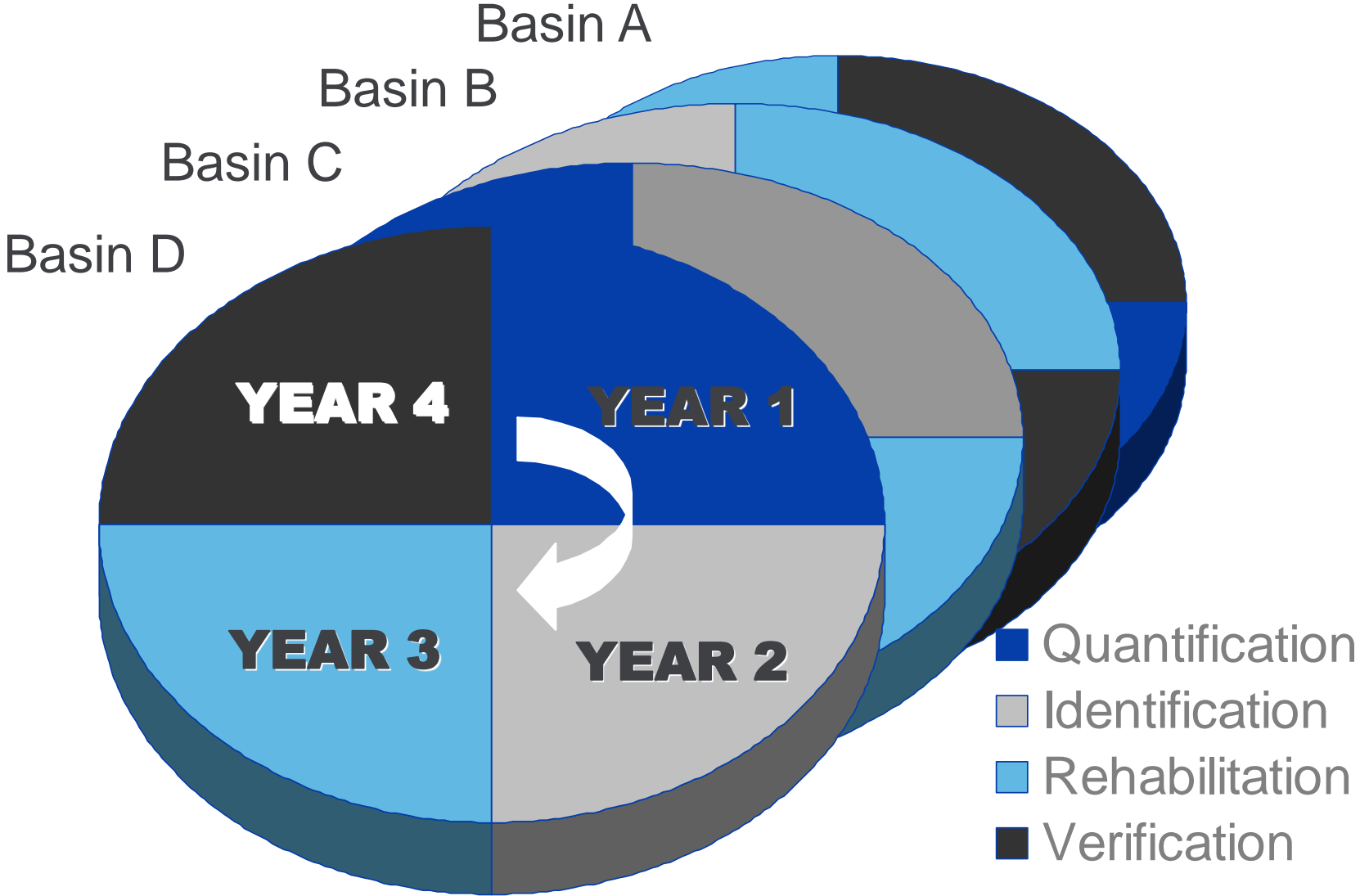
**FINDING A I/I
SOURCE CAN BE
A FRUSTRATING
REALIZATION**

Employing a drone is akin to using a new offensive scheme.



Implementation Plan

“Covering the Field”



PHIL WALSACK

(573) 808-0254

PKWALSACK@BURNSMCD.COM

