Investigative Chart to Determine SSO Causes, Corrective Actions and Preventive Measures

Legend

a	hydraulic modeling
b	engineering evaluation support
c	closed circuit television inspection (CCTV)
d	smoke testing
e	dyed water flood testing
f	dyed water flood testing with CCTV
g	temporary flow monitoring
h	night time flow isolation testing
i	rainfall simulation testing
j	manhole inspection
k	line lamping
l	ground-penetrating radar (voids under pavement)
m	ground survey (establish inlet/outlet pipe inverts in u/s & d/s manholes)
n	construction observation/inspection
l	piezometric data
p	check pump station status – pump and drive equipment, instrumentation and controls, motor control center, hydraulic surge arrestor, check valves, standby power, etc.
q	inspect right-of-way/easement
r	contact power company