

Private Facility Inspections: From Paper to High Definition



Jennifer Adams
Surface Water Quality Specialist
jadams@shorelinewa.gov

City of Shoreline

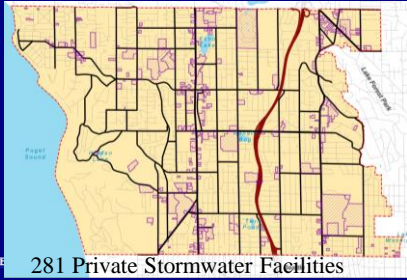


Topics

- Private Facility Maintenance Inspection Process – Then and Now
- Reports
- Cost
- Added Benefits and Lessons Learned



Shoreline's Private Facility Inspection Program



281 Private Stormwater Facilities

Paper Inspection Process



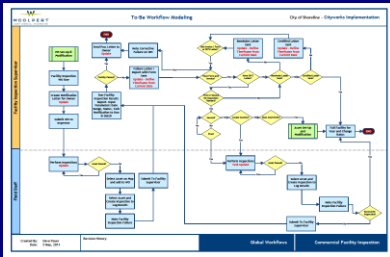
Going Digital

Goals of Asset Management - Inspections

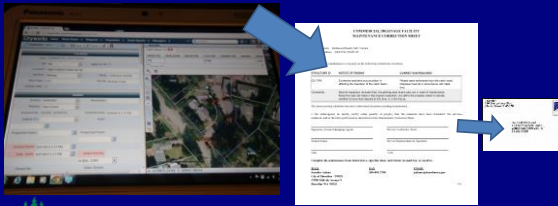
- Spatial and asset data together in GIS
- Streamline processes
- Reduce administrative time
- Field friendly –Go MOBILE or Go HOME!
- Reduce field inspection frustrations (e.g. poor maps and poor histories)
- Adaptable system
- Provide detailed tracking of facilities and assets
- Provide tailored reports to property owners and managers



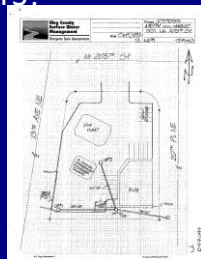
Work Flow Analysis



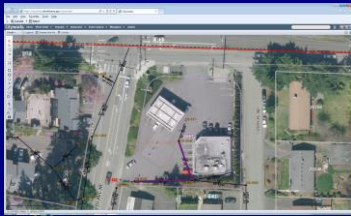
Inspections in the Digital Age



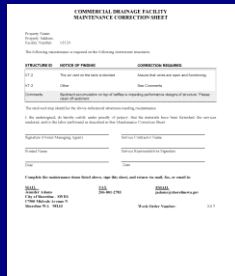
Maps – Then “Who Was NTS?”



Maps - Now



Report to Owners



NPDES Reports

- Report # of inspections – 5 minutes
- Report level of effort – 5 minutes (not possible previously)
- Also being used to track IDDE incidents and spill reports – 5 minutes



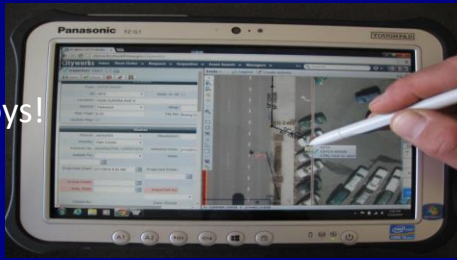
Added Benefits



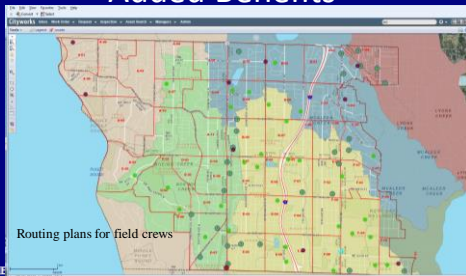
- Better mapping everywhere!
- Tightening of inspection practices
- Efficiencies in ROW CB inspection program
- Reduced administrative errors
- More complete records – past history in the field

Added Benefits

New Toys!



Added Benefits



Cityworks® Implementation Costs

Surface Water

- Licensing and implementation = \$58K
- Hardware (field tablets) = \$6K
- ESRI Editing License = \$3K
- DOE Capacity Grant = (\$67K)
- TOTAL IMPLEMENTATION COST TO CITY = \$0



Lessons Learned

- Understand your work flow
- Understand the resources needed for the change
- Involve field staff in configuration
- Be flexible (adjust business practices if needed)
- Commitment is key



Questions?



Jennifer Adams
Surface Water Quality Specialist
jadams@shorelinewa.gov
