

THE TOWN OF DISCOVERY BAY COMMUNITY SERVICES DISTRICT

WWTP OPERATIONS AND MAINTENANCE MANUAL











Agenda

- 1. O&M Manual Purpose
- 2. Options
 - Basic O&M Manual
 - Interactive O&M Option
- 3. IOM Features
- 4. Optional Items
 - Local Hosting
 - SCADA Programming Links



O&M Manual, Purpose

The **purpose** of the **O&M manual** is to provide information to the plant staff responsible for the operations and maintenance of the facilities to ensure that the facilities are adequately maintained to function as designed.

Compliance with NPDES Permit.

Transfer knowledge to existing and future staff:

- Essential for planned maintenance
- Necessary during emergency operations
- Useful for specific process questions
- Train new plant staff

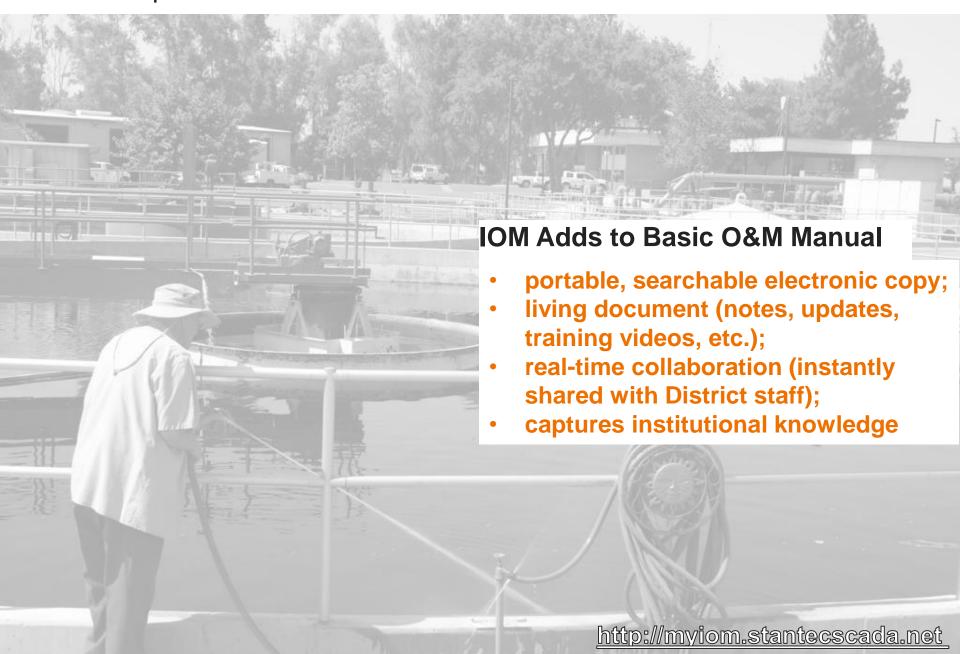
Option 1 - Basic O&M Manual

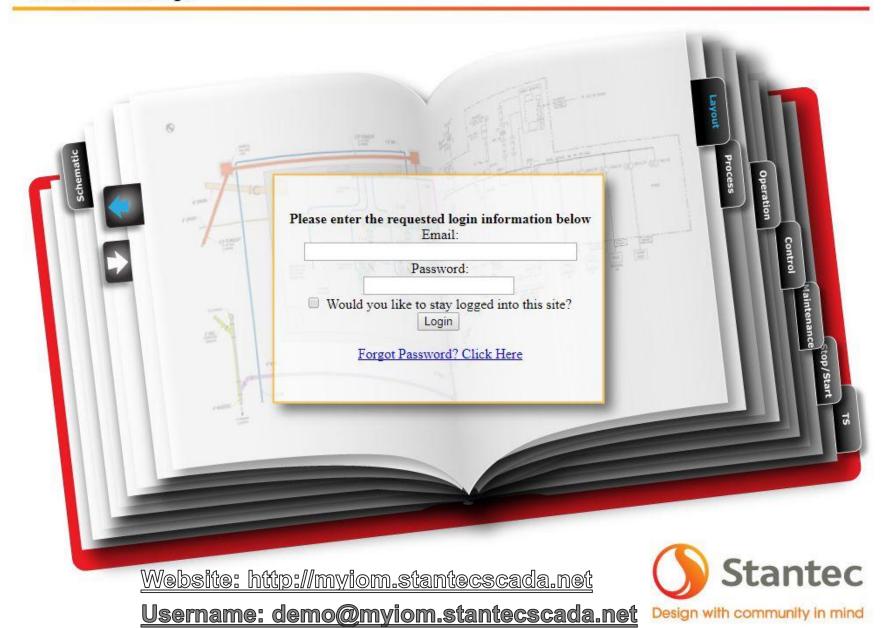
Wastewater Treatment Plant – 23 Chapters & Appendices Sewer Conveyance Pump Stations – 16 Chapters Each Chapter – 8 Detailed Sections:

- Purpose
- Process Description
- Relationship with Other Equipment
- Operation and Description
- Controls and Instrumentation
- Monitoring and Maintenance
- Shutdown/Start-up Procedures
- Potential Problems and Troubleshooting Guide

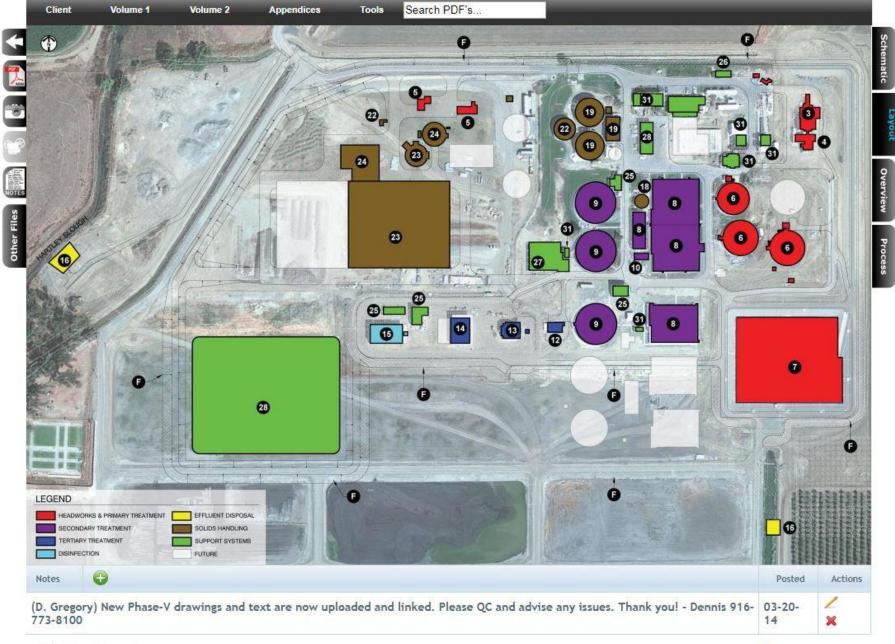
^{*}See example binders

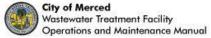
Option 2 - Interactive O&M Manual



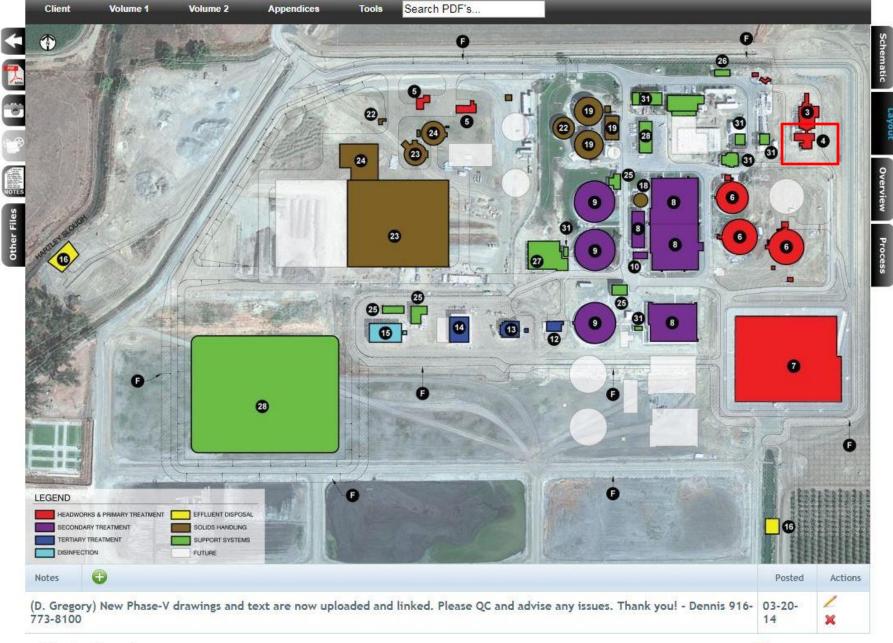


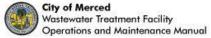
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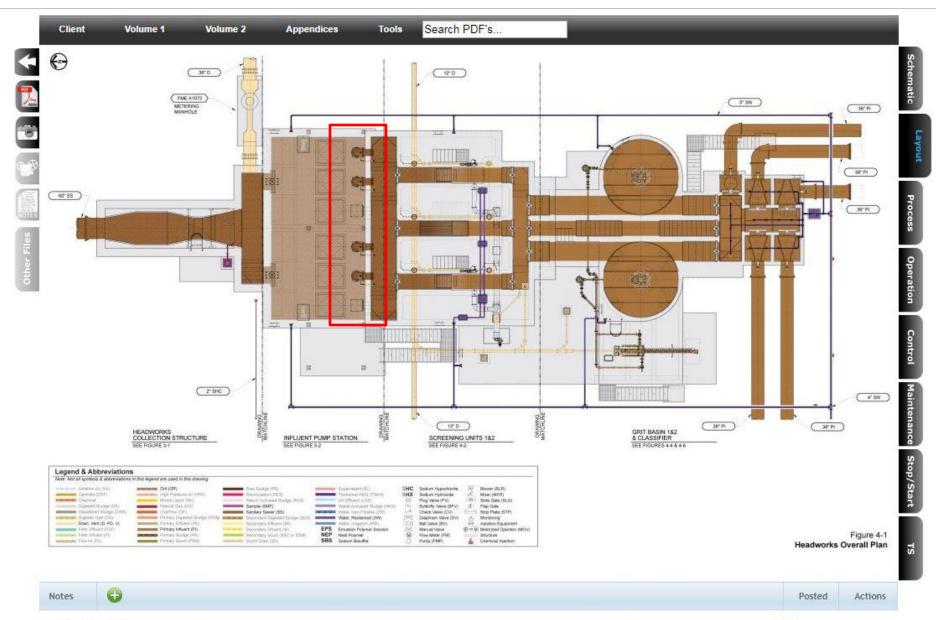


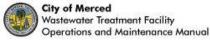




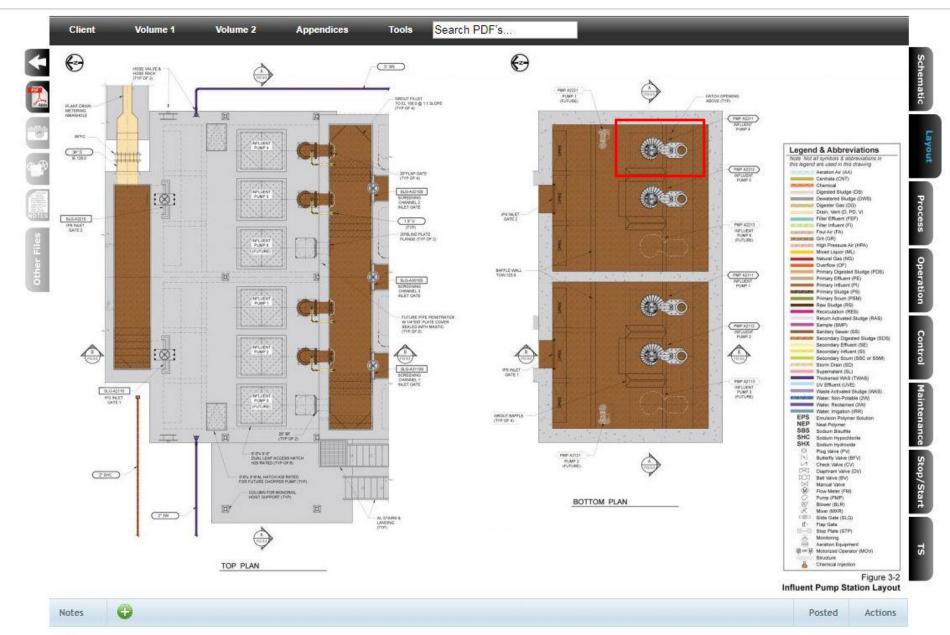


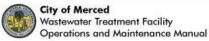




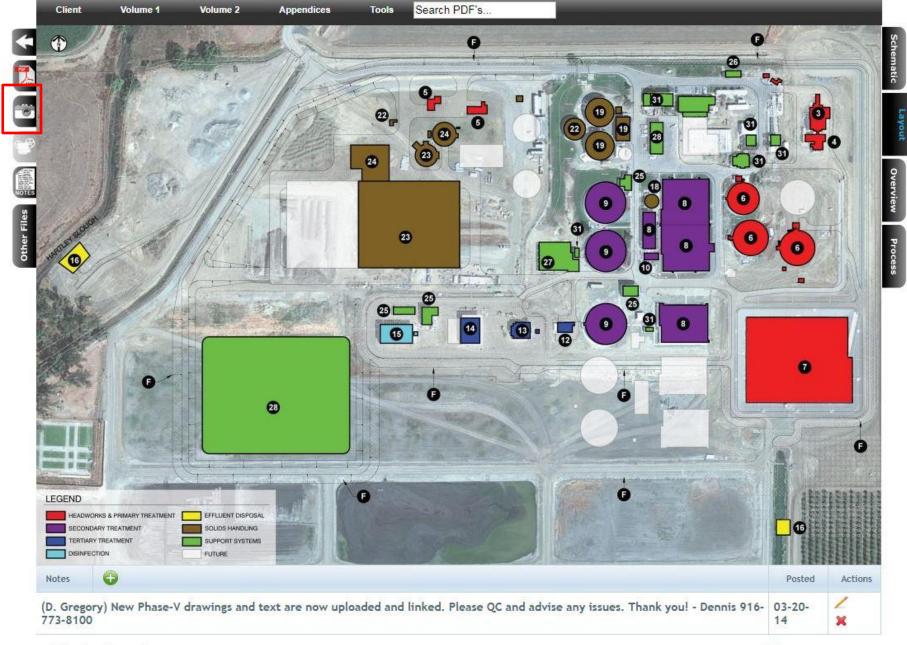


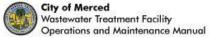












Notes	0	Posted	Actions
D. Gregory) New Phase-V drawings and text are now uploaded and linked. Please QC and advise any issues. Thank you! - Dennis 916 73-8100		03-20-	/



• Add a new item * File uploads must be one of the following filetypes: jpg/png/pdf/word/excel





Option 3 - Streamlined O&M Manual

Less detail, basic description with coupled drawings and manufacturers data. Four (4) basic sections in each chapter:

- Purpose
- Design Criteria
- Appurtenance Descriptions
- PCN

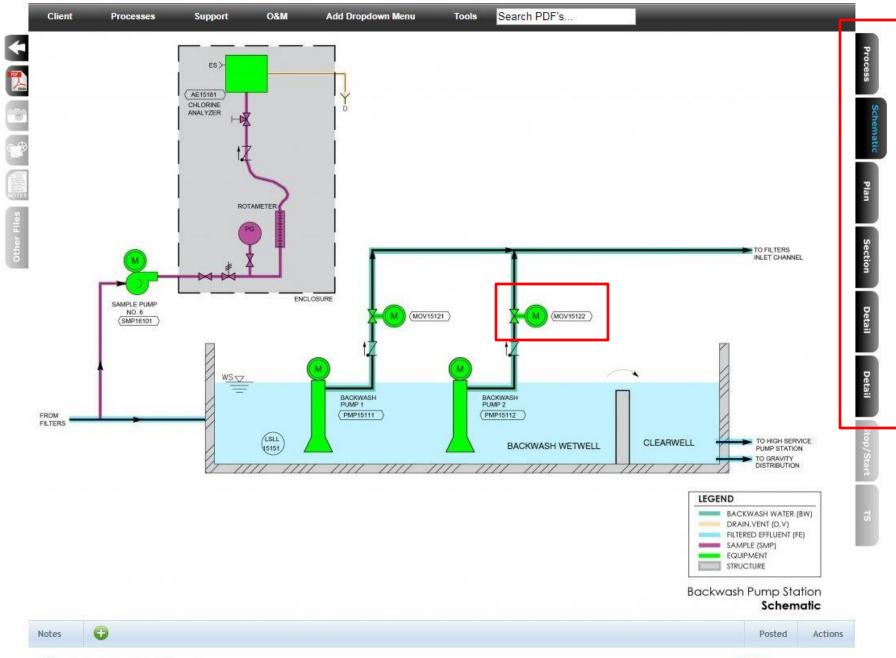


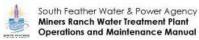














Client **Processes** Support

M&O

Add Dropdown Menu

Tools

Replace/Unlink PDF

Search PDF's...



















rotor **Submittal**



Project Name: Miners Ranch WTP

Contract Number:

Contract Section: Specification Section 15135

Date: 10/5/16

Rotork Customer: FRANK A OLSEN CO.

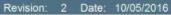
Purchase Order No.: 12517

Rotork Job No.: C19496

Consulting Engineer: Stantec

Contractor: Overaa Construction







Data



Option 3 - IOM Local Hosting

Remote Hosting

- Normally hosted on Stantec Servers at no Cost.
- Reduces cost because local to program developers
- Information can still be added remotely by operation staff
- Initial data provided to Stantec to place on their servers.

Local Hosting

- System is hosted on Town servers including remote internet access.
- Similar to hosting a web page yourself vs. a provider.











Option 4 – SCADA System Programming Links

SCADA Links

- IOM is currently a separate web based application
- SCADA system is Ignition, which is web based with remote access
- Ignition can be programmed with links that could jump to IOM directly form SCADA screen vs Opening up a new application through internet browser
- Stantec has not been done before, but is possible.







