# **OPERATIONS AND MAINTENANCE MANUAL**

**DFI No.: D01135** 

**Facility Type: Water Quality Biofiltration** 

Swale



**April, 2020** 

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#### 1. Identification

Drainage Facility ID (DFI): D01135

Facility Types: Water Quality Biofiltration Swale

Construction 52V-013

Drawings:

Location: District: 5

Florence-Eugene Highway 62 Milepost: 31.77/31.79 (beg./end)

#### 2. Facility Contact Information

Contact the Engineer of Record, Region Technical Center, or Geo-Environmental's Senior Hydraulics Engineer for:

- Operational clarification
- Maintenance clarification
- Repair or restoration assistance

#### **Engineering Contacts**:

Region Technical Center Hydraulics Engineer (503) 986-2691

Or

Geo-Environmental Senior Hydraulic Engineer (503) 986-3365

#### 3. Construction

Engineer of Record: ODOT Designer - Region 2 Tech. Center,

Chris Carman, (503) 986-2691

Facility construction: 2019
Contractor: TBD
Contract #: 15126

#### 4. Facility Overview

The swale is located at milepost 31.77 on the Florence-Eugene highway 62 on the south side of the highway. Treatment of pollutants from the highway are achieved through sedimentation and infiltration through the water quality mix shown in section B-B in the operational plan.

#### 5. Facility Haz Mat Spill Feature(s)

The swale can be used to store a volume of liquid by blocking the outlet of the swale. A barrier such as a temporary berm made of sandbags could be used to prevent liquid from draining from the swale.

#### 6. Auxiliary Outlet (High Flow Bypass)

This facility does not contain an auxiliary outlet feature. The facility was designed to receive runoff from the road and discharge into cross pipes.

#### 7. Maintenance Requirements

Routine maintenance table for non-proprietary stormwater treatment and storage/detention facilities have been incorporated into ODOT's Maintenance Guide. These tables summarize the maintenance requirements for ponds, swales, filter strips, bioslopes, and detention tanks and vaults. Special maintenance requirements in addition to the routine requirements are noted below when applicable.

The ODOT Maintenance Guide can be viewed at the following website:

https://www.oregon.gov/ODOT/HWY/OOM/mg/02/act125\_waterqualityfacilandtables.pdf

The following stormwater facility maintenance table (See ODOT Maintenance Guide) should be used to maintain the facility outlined in this Operation and Maintenance Manual or follow the Maintenance requirements outlined in Appendix C when proprietary structure is selected below:

∑ Table 1 (general maintenance)
☐ Table 2 (stormwater ponds)
□ Table 3 (water quality biofiltration swales)
☐ Table 4 (water quality filter strips)
☐ Table 5 (water quality bioslopes)
☐ Table 6 (detention tank)
☐ Table 7 (detention vault)
□ Appendix C (proprietary structure)
☐ Special Maintenance requirements:

#### 8. Waste Material Handling

Material removed from the facility is defined as waste by DEQ. Refer to the roadwaste section 5.18 of the ODOT Maintenance Yard Environmental Management System (EMS) Policy and Procedures Manual for disposal options:

#### https://www.oregon.gov/ODOT/HWY/OOM/EMSdoc/ems\_manual.pdf

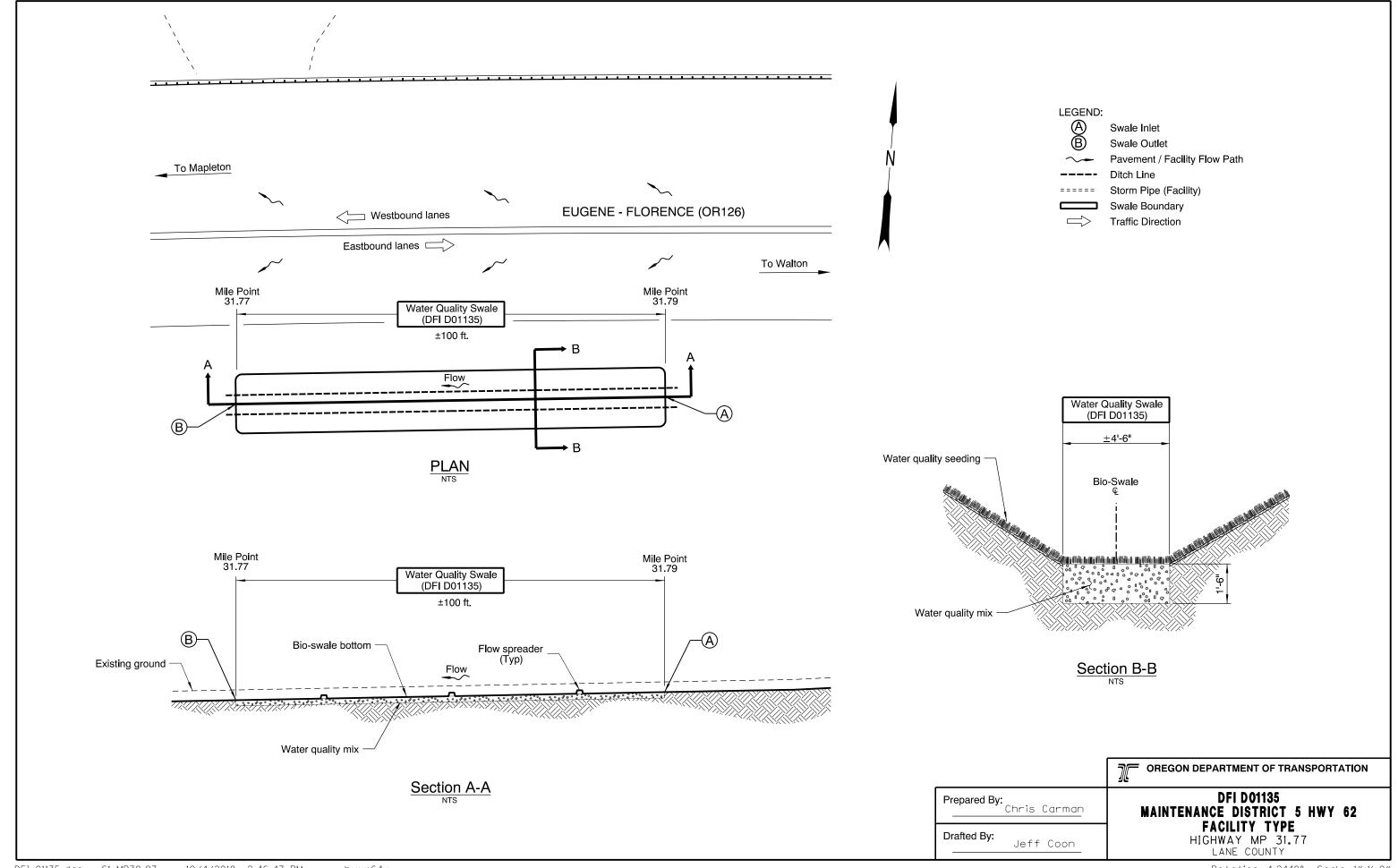
Contact any of the following for more detailed information about management of waste materials found on site:

ODOT Clean Water Unit	(503) 986-3008
ODOT Statewide Hazmat Coordinator	(503) 229-5129
ODOT Region Hazmat Coordinator	(503) 986-2647
ODEQ Northwest Region Office	(503) 229-5263

# Appendix A

## Content:

Operational Plan and Profile Drawing(s)



# **Appendix B**

#### **Content:**

- ODOT Project Plan Sheets
  - o Cover/Title Sheet
  - o Water Quality/Detention Plan Sheets
  - o Other Details

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STATE OF OREGON

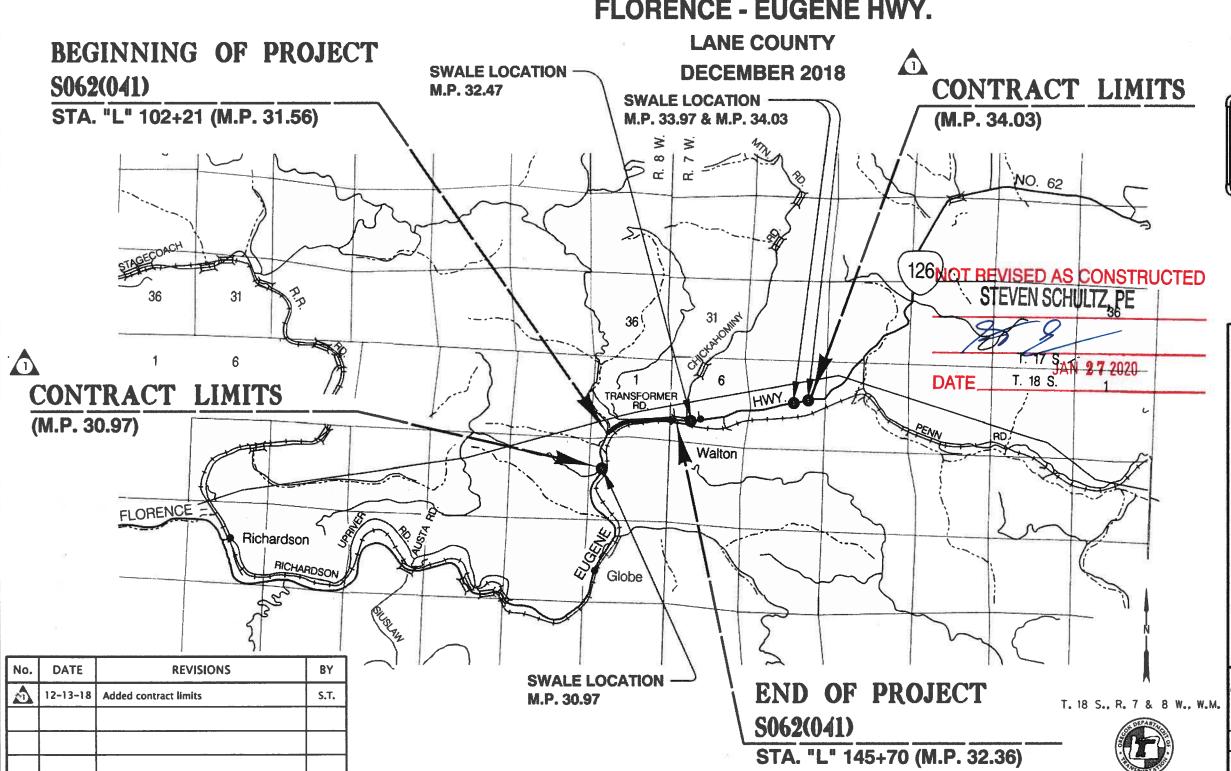
DEPARTMENT OF TRANSPORTATION

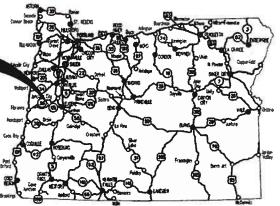
PLANS FOR PROPOSED PROJECT

**GRADING, PAVING & SIGNING** 

# OR126: WALKER CREEK - CHICKAHOMINY CREEK SEC.

FLORENCE - EUGENE HWY.





Overall Length Of Project - 0.8 Miles

Oregon Law Requires You To Follow Rules
Adopted By The Oregon Utility Notification
Center. Those Rules Are Set Forth In
OAR 952-001-0010 Through OAR 952-001-0090.
You May Obtain Copies Of The Rules By Calling
The Center. (Note: The Telephone Number For
The Oregon Utility Center Is (503) 232-1987.)

LET'S ALL WORK TOGETHER TO MAKE THIS JOB SAFE \$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$

#### **OREGON TRANSPORTATION COMMISSION**

Tammy Baney Bob Van Brocklin Alando Simpson Julie Brown Martin Callery

CHAIR VICE-CHAIR COMMISSIONER COMMISSIONER COMMISSIONER DIRECTOR OF TRANSPORTATION

These plans were developed using ODOT design standards. Exceptions to these standards, if any, have been submitted and approved by the ODOT Chief Engineer or their delegated

\_\_\_\_\_ Dec 12 2018 8:26 AM Approving Authority:

Signature & date

James E. West - R2 Tech Center Manager Print name and title

Steven B Cooley Dec 14 2018 11:12 AM

Concurrence by ODOT Chief Engineer

OR126: WALKER CREEK - CHICKAHOMINY CREEK SEC.
FLORENCE - EUGENE HWY.
LANE COUNTY

FEDERAL HIGHWAY ADMINISTRATION	PROJECT NUMBER	SHEET NO.
OREGON	STATE	A01

INDEX OF SHEETS

Title Sheet

Survey Control Data

SHEET NO.

A01

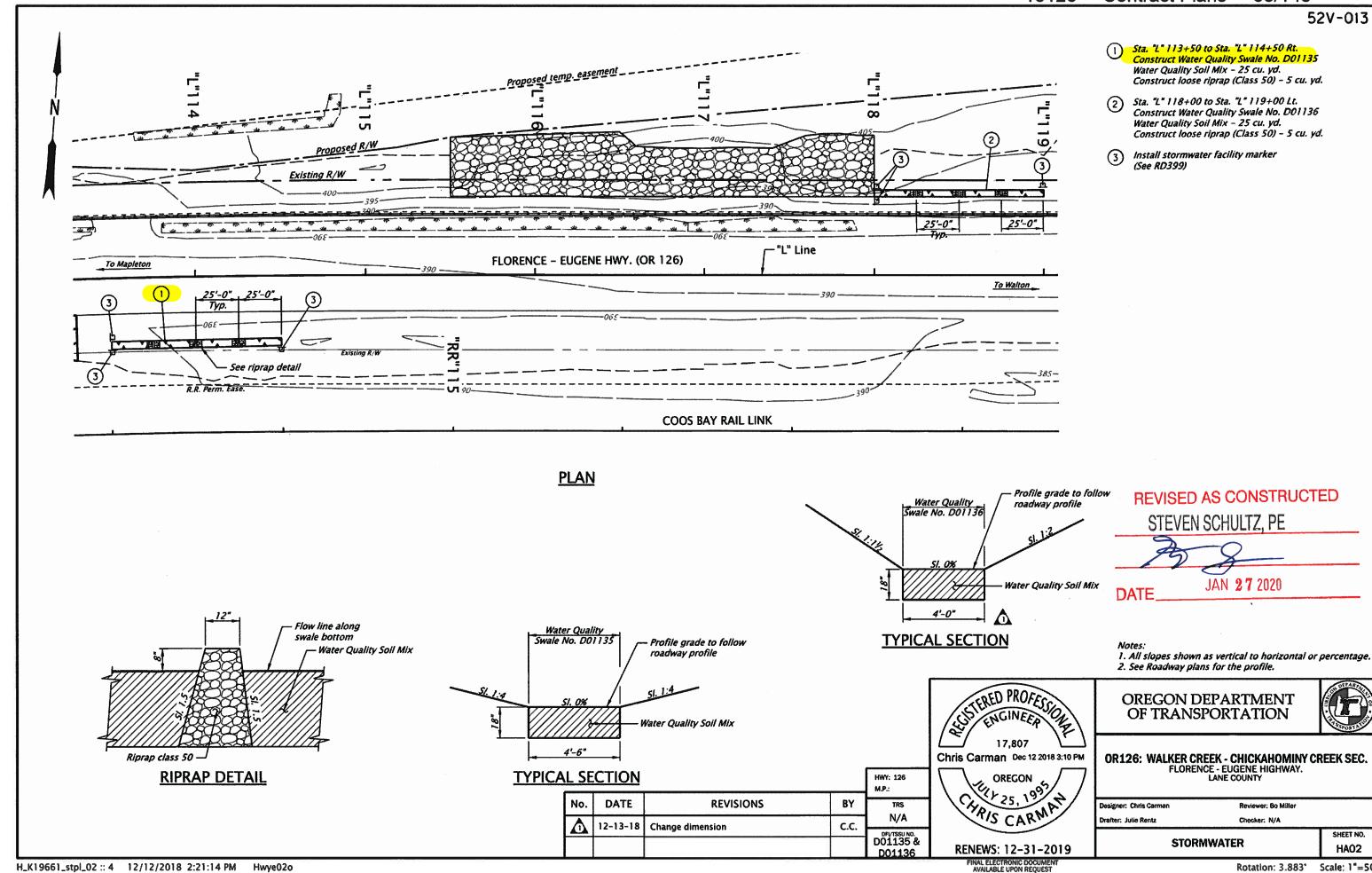
A02

AO3 Thru

A07 Incl.

DESCRIPTION

Index Of Sheets Cont'd. & Std. Drg. Nos.



**ROADSIDE DEVELOPMENT PLAN** 

EXPIRES: 06-30-2019

FINAL ELECTRONIC DOCUMENT AVAILABLE UPON REQUEST SHEET NO.

FA06

# Appendix C

### **Content:**

• Photos





