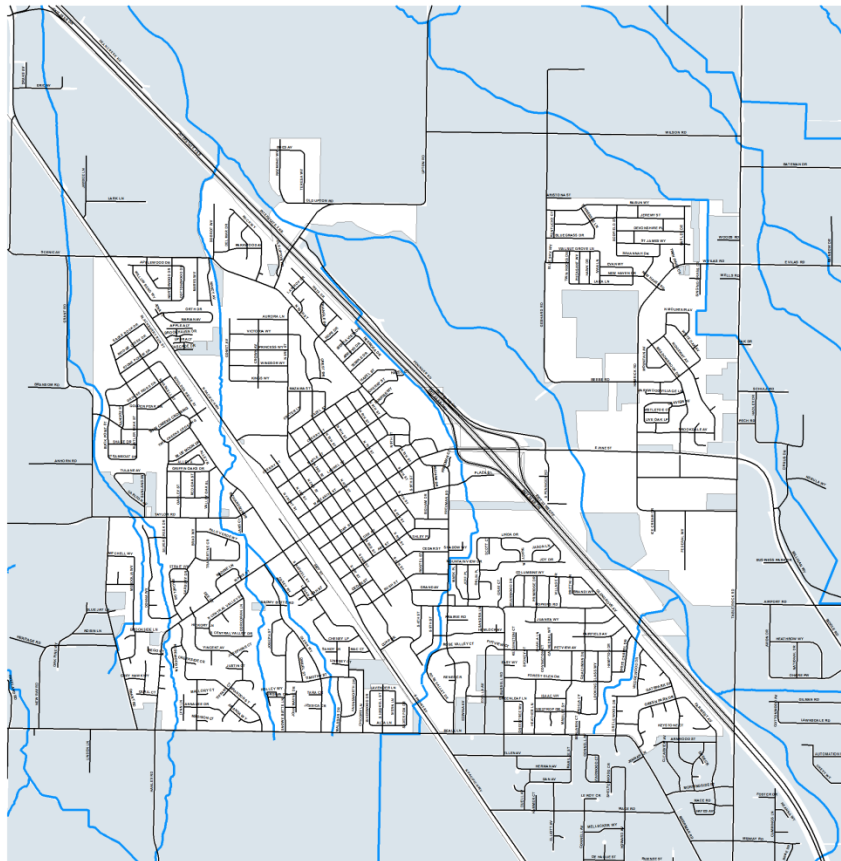




**City of Central Point, Oregon
Stormwater Management Program (SWMP) Document**

**In Compliance with the
NPDES MS4 Phase 2 General Permit**



FIVE-YEAR PROGRAM FOR MARCH 2019 - 2024

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CITY OF CENTRAL POINT, OREGON
STORMWATER MANAGEMENT PROGRAM (SWMP)

1.0 INTRODUCTION

The City of Central Point has prepared this Stormwater Management Plan (SWMP) document to meet the municipal stormwater permit requirements associated with the National Pollution Discharge Eliminate System (NPDES) Phase II program. The City of Central Point has its first stand-alone NPDES MS4 Phase II General Permit to discharge non-point source stormwater into the MS4 and in so doing, will implement activities that will reduce pollution to the maximum extent practicable (MEP). The SWMP describes the best management practices (BMPs) that the City will implement throughout the permit term to reduce the discharge of pollutants from the municipal separate sewer system (MS4) to waters of the state. By reducing impacts from the MS4 to local waterways, Central Point will help achieve and maintain the beneficial uses established for Oregon waterways by the Oregon Department of Environmental Quality.

Permit Area

The Central Point MS4 stormwater management area includes the land area located within the City limits boundary that drains to the MS4. Central Point's MS4 area is approximately 3.9 square miles. It does not include the natural stream systems, storm drainage facilities owned by other jurisdictions or private entities.

Central Point is located near the downstream extent of Bear Creek Valley within the Middle Rogue Watershed (HUC 8 – 17100308). The City has a generally flat landscape characterized by gentle slopes ranging from zero to three percent. Soils in Central Point were formed on floodplains and stream terraces, according to the Jackson County Soil Survey, and vary widely in drainage capability. Seven streams flow through the community including Bear Creek and six tributaries: Griffin, Jackson, Horn, Daisy, Mingus and Elk Creeks. Extensive floodplains associated with these streams are characterized by urban development that is primarily residential.

Physical characteristics and historic development patterns result in localized flooding problems, which are primarily addressed through conventional stormwater management techniques including a piped underground conveyance system that discharges surface waters to nearby streams. More recent developments have included measures to reduce stormwater runoff quantity and improve stormwater quality through Low Impact development such as, bioswales, rain gardens, pervious surface and street tree placement.

Stormwater Management Program Organization and Coordination

PROGRAM AUTHORIZATION

The Central Point City Council passed a resolution supporting the NPDES Phase II MS4 permit application on March 8, 2012. In that resolution, the City Council designated the Public Works Department as the lead agency for stormwater management program implementation.

LEGAL AUTHORITY

Legal authority for stormwater management program implementation is set forth in Chapter 8.05 Storm Drain Protection, of the Central Point Municipal Code and the City of Central Point Public Works Department Standard Specifications and Uniform Standards Details for Public Works Construction.

PROGRAM MANAGEMENT AND COORDINATION

The Public Works Department Director is responsible for overall program management, compliance, reporting, policy development coordination within the City of Central Point, as well as coordinating with other Phase II communities in the Bear Creek watershed. Since the permit is citywide, staff throughout the organization may be involved in the implementation of stormwater management activities.

COORDINATION WITH OTHER JURISDICTIONS

Stormwater management in the Bear Creek watershed has largely been conducted as a regional effort. Rogue Valley Sewer Services (RVSS) was the Phase II permittee representing Central Point, Phoenix, Talent and portions of Jackson County during the first permit cycle from January 2007 to January 2018. The cities of Medford and Ashland have stand-alone permits and also participated in the regional efforts to manage stormwater. Every three months SWAT (Stormwater Advisory Team) members from these communities get together to discuss stormwater issues and to make changes in the "Rogue Valley Stormwater Quality Design Manual" that has been collaboratively designed and agreed upon to use as a tool and standard for stormwater design in the Rogue Valley. Members from the City of Eagle Point and Josephine County and several local Engineers have now joined the group.

Central Point will be responsible for meeting all of the permit conditions and maintaining the six MS4 Stormwater Management requirements.

Program activities include:

- Education and Outreach
- Public Involvement and Participation
- Illicit Discharge Detection and Elimination
- Construction Site Runoff
- Post-Construction Site Runoff control
- Pollution Prevention and Good Housekeeping for Municipal Operations

The City has contracted with Rogue Valley Council of Governments (RVCOG) to collaborate on activities where city monies can be joined with other jurisdictions to leverage more opportunities in meeting stormwater management program objectives. Examples of partnering activities include:

- Stormwater education and outreach.
- Stormwater training.
- Stormwater involvement and participation.
- Presentations.
- Stormwater material.

2.0 PUBLIC EDUCATION AND OUTREACH PLAN

The City of Central Point, now on referred to as “The City” participates in a regional stormwater public education program with other members of the Stormwater Advisory Team (SWAT). This program is in compliance with the MS4 Phase 2 General Permit - released November 30, 2018 described in Schedule A.3.a i-vi. The implementation of the program is a combination of regional efforts paid for by each member of the SWAT and activities carried out at the local levels. The method of implementing each of the activities will be determined at future SWAT meetings. The SWAT agencies have signed an agreement with the Rogue Valley Council of Governments (RVCOG) to help implement the Public Education and Outreach program. This way it works as cooperative regional program so that all the member of the SWAT communities can benefit.

2.01 Schedule A.3.a.i - Implementation Date.

Schedule & Completion Date: The strategy is to continue the Stormwater Public Educational program with the other SWAT and RVGOG agencies.

Measurable Goal: The City meets with SWAT members quarterly to determine the effectiveness of the program. If it is determined minor modifications to the program are required to reach a larger audience these will be outlined in the annual reporting.

Responsible Party: City of Central Point Environmental Services Coordinator.

2.02 Schedule A.3.a.ii – Education and Outreach Program.

The City will work with the SWAT group to modify the Education and Outreach program so it will include the coordination and educational efforts targeting one of the four audiences listed in Schedule A.3.a.iv. The goal of the program is to reduce or change the behaviors and practices of the residents that may cause or contribute to stormwater pollutants.

Schedule & Completion Date: The strategy is to continue the Education and Outreach program with the other SWAT and RVCOG agencies.

Measurable Goal: The City meets with SWAT members quarterly to determine the effectiveness of the program. If it is determined minor modifications to the program are required to reach a larger audience these will be outlined in the annual reporting

Responsible Party: City of Central Point Environmental Services Coordinator.

2.03 Schedule A.3.a.iii – Stormwater Education Activities.

The City will work with the SWAT/ RVCOG group to develop and distribute at least two (2) educational stormwater brochures for the general public or other targeted audiences that are listed in Schedule A.3.a.iv.(A). The brochure will either be developed by the City or the City will work with other members of the SWAT/ RVCOG group to develop a regional brochure. Distribution methods for brochures will vary across the region however the City of Central Point will include the homeowner brochures in one normal utility bill mailing.

Schedule & Completion Date: Completed and ongoing.

Measurable Goal: At least two (2) educational stormwater brochures.

Responsible Party: City of Central Point Environmental Services Coordinator.

2.04 Schedule A.3.a.iv – Target Audiences and Topics

The City will conduct an education and outreach message to a Target Audience from Schedule A.3.a.iv.(A) and using one of the Target Topics from the list from Schedule A.3.a.iv.(B). at least once per year .

(A) Target Audience:

1. General Public, homeowners, homeowner association and schoolchildren.
2. Business, industrial, and commercial entities.
3. Construction companies, contractors, and developers.
4. Local elected officials, land use policy and planning staff.

(B) Target Topics:

1. Impacts of illicit discharges on receiving waters and how to report them.
2. Impacts from impervious surfaces and appropriate techniques to avoid adverse impacts.

3. Best management practices for proper use, application and storage of pesticides, herbicides, and fertilizers.
4. Litter and trash control and recycling programs.
5. Best management practices for power washing, carpet cleaning and auto repair and maintenance.
6. Low Impact Development/green infrastructure.
7. If the area is serviced by septic systems, the permit registrant must consider information pertaining to maintenance of septic systems as part of its education program.
8. Watershed awareness and how storm drains lead to local creeks and rivers, and potential impacts to fish and other wildlife.

Schedule & Completion Date: Completed and ongoing.

Measurable Goal: Newsletter, brochures, TV PSA, posted sign, handout, school classes, social media, etc.

Responsible Party: City of Central Point Environmental Services Coordinator.

2.05 Schedule A.3.a.v – Education on Construction Sites Control Measures.

City will coordinate and help promote at least twice (2) RVSS Erosion Prevention and Sediment Control Inspector (EPSCI) Certification Classed to construction site operators. Effort will include meeting with the City and RVSS to determine how their classes can provide better educational instruction and material to local construction operators. The coordination will include working with local developers to make sure their operators are up to date on their certification.

Schedule & Completion Date: Completed and ongoing.

Measurable Goal: Contact with local developers to make sure their operators are up to date in their EPSCI Certification. RVSS maintains a list of certified EPSC inspectors.

Responsible Party: City of Central Point Environmental Services Coordinator.

2.06 Schedule A.3.a.vi – Tracking and Assessment.

The City will evaluate at least one education and outreach activity during the permit year. The assessment will be used to help evaluate future stormwater efforts in conveying educational messages to other targeted audiences.

Schedule & Completion Date: Completed and ongoing.

Measurable Goal: Educational and outreach activities and how to improvements them.

Responsible Party: City of Central Point Environmental Services Coordinator.

Table 2-1: Public Education & Outreach Activities

Activity/Description	Regional Activity?	Current Activity	New Activity/ Materials	Audiences			Permit Year				
				Public, Homeowners, HOA's, Schools, Businesses (Target Audience #1)	Local Elected Officials, Land Use Planners, Engineers (Target Audience #2)	Construction Site Operators (Target Audience #3)	1	2	3	4	5
EDUCATIONAL ACTIVITIES											
<i>Printed Materials (Brochures, post cards). (Topics: 1-10)</i>											
City Newsletter		x		x	x		x	x	x	x	x
Distribution in the field of water quality brochures to contractors and homeowners.	x	x		x		x	x	x	x	x	x
<i>Electronic Communication Channels (Topics: 1-10)</i>											
City of Central Point Website		x		x	x		x	x	x	x	x
Stream Smart Website	x	x		x	x		x	x	x	x	x
RVCOG Website	x	x		x	x		x	x	x	x	x
Social Media- Facebook, Instagram, YouTube etc.	x	x		x	x	x	x	x	x	x	x
<i>Messaging/Campaigns</i>											
Meet annually to decide on a message or a campaign to focus on/highlight for the implementation year in addition to the activities that cover multiple topics.	x	x	x	x	x	x	x	x	x	x	x
<i>Targeted Workshops/Trainings (Topics: 1-10) – 1-2 per year</i>											
Encourage Contractors to have employees attend an Erosion Prevention & Sediment Control BMP class		x	x			x	x	x	x	x	x
Pesticide & Herbicide BMPs/Reduction			x	x	x		x		x		

Low Impact Development/Green Infrastructure		x	x	x	x		x	x	x	x
Erosion Prevention & Sediment Control BMPs- Goal: target construction site operators.		x	x		x	x		x		x
Riparian/Restoration/Invasive Spp. Management			x	x	x		x			x
Low Impact Development/Green Infrastructure		x	x	x	x		x	x	x	x
Homeowners/residential			x						x	
Landscape contractors/commercial & public maintenance operators			x							x
Pesticide & Herbicide BMPs/Reduction			x	x				x		
Other Topics			x	x	x				x	x

Target Topics:

1. Impacts of illicit discharges on receiving waters and how to report them.
2. Impacts from impervious surfaces and appropriate techniques to avoid adverse impacts.
3. Best management practices for proper use, application and storage of pesticides and fertilizers.
4. Best management practices for litter and trash control.
5. Best management practices for recycling programs.
6. Best management practices for power washing, carpet cleaning and auto repair and maintenance.
7. Low-impact development/green infrastructure.
8. Septic systems, information pertaining to maintenance of septic systems.
9. Watershed awareness and how storm drains lead to local creeks and rivers, and potential impacts to fish and other wildlife.
10. Stormwater issues of significance identified by permit registrant.

3.0 PUBLIC INVOLVEMENTS AND PARTICIPATION PLAN

Central Point intends to continue in participating in a regional stormwater public involvement and participation program with other members of the SWAT. This program will be in compliance with the MS4 Phase 2 General Permit - released November 30, 2018 described in Schedule A.3.b i-iv. The implementation of the program will be a combination of regional and local efforts paid for by members of the SWAT and other activities carried out at the local level. The actual method of implementing each activity will be determined at future SWAT meetings.

3.01 Schedule A.3.b.i - Implementation Date.

Schedule & Completion Date: The strategy is to continue the Public Involvement and Participation program with the other SWAT agencies.

Measurable Goal: The City meets with SWAT members quarterly to determine the effectiveness of the program. If it is determined minor modifications to the program are required to reach a larger audience these will be outlined in the annual reporting.

Responsible Party: City of Central Point Environmental Services Coordinator.

3.02 Schedule A.3.b.ii – Publically Accessible Website.

The City has a website at <https://www.centralpointoregon.gov/publicworks/page/stormwater-management> that is regularly maintained. The City will continue to update the web page with new information as required in Schedule A.3.b.ii.(A)-(D). The City also participates in the Stream Smart website <https://www.stream-smart.com/> that is a regional supported website that encourages change by education and awareness. The website was formed from the local DEQ TMDL group that meets quarterly.

The city website has fulfilled the following items in the permit:

- (A) Illicit Discharge Complaint or Report requirements in Schedule A.3.c.v.A
- (B) Any reports, plans, strategies, or documents generated by a permit registrant in compliance with this permit, in draft form when the document is completed.
- (C) Links to all ordinances, policies and /or guidance documents related to the construction and post-construction stormwater management control programs, including education, training, licensing, and permitting.
- (D) The permit registrant's contact information, including phone numbers for relevant staff, mailing addresses, and electronic mail addresses.

Schedule & Completion Date: Completed and ongoing.

Measurable Goal: City website content.

Responsible Party: City of Central Point Environmental Services Coordinator.

3.03 Schedule A.3.b.iii – Stewardship Opportunity.

The City will at a minimum create or partner in the development of one of the listed below stewardship opportunities in the permit year.

- (A) Stream team activities.
- (B) Storm drain marking or stenciling.
- (C) Volunteer monitoring.
- (D) Riparian planting/facility enhancement.
- (E) Neighborhood LID activities.
- (F) Adopt-A-Road.
- (G) Citizen advisory committee, or
- (H) Other locally relevant opportunities.

Schedule & Completion Date: Completed and ongoing.

Measurable Goal: Dates and a description of events will be kept track of. A summary of what the activity was and how many attended will be submitted in the annual report if needed.

Responsible Party: City of Central Point Environmental Services Coordinator.

3.04 Schedule A.3.b.iv – Tracking and Assessment.

The City will report the public involvement and participation activities in the Annual Report.

Schedule & Completion Date: Completed and ongoing.

Measurable Goal: Dates and a description will be kept for each activity. A summary of what the activity was and who attended will be kept and submitted as part of the annual report if needed.

Responsible Party: City of Central Point Environmental Services Coordinator.

Table 3-1: Public Involvement and Participation											
Activity/Description	Regional Activity?	Current Activity	New Activity/ Materials	Audiences			Permit Year				
				Public, Homeowners, HOA's, Schools, Businesses (Target Audience #1)	Local Elected Officials, Land Use Planners, Engineers (Target Audience #2)	Construction Site Operators (Target Audience #3)	1	2	3	4	5
Public involvement & participation in development of SWMP											
Public will be invited to meetings (as appropriate) including quarterly SWAT meetings	x	x		x	x	x	x	x	x	x	
Hold workshops, Council work sessions, open houses, and/or other meetings to provide an opportunity for the public input, comment, and participation in the SWMP Development.	x			x	x			x		x	
Publicly Accessible Website											
City Website											
SWMP posted and updated		x	x	x	x	x	x	x	x	x	
Illicit discharge complaint/reporting info		x	x	x	x	x	x	x	x	x	
Link to ordinances, policies and guidance documents		x	x	x	x	x	x	x	x	x	
Include contact information for relevant staff		x	x	x	x	x	x	x	x	x	
Stream Smart Website	x	x		x	x	x	x	x	x	x	
COG Website	x	x		x	x	x	x	x	x	x	
Stewardship Opportunities											
Add new and/or replace worn/missing storm drain markers with volunteers			x	x				x		x	

LID/GI facility maintenance and training on proper maintenance/enhancement with volunteers			x	x		x		x	
<i>Spring events (April/May)</i>									
Arbor Day Events		x		x			x	x	x
Bear Creek Stewardship Day 1	x	x		x			x	x	x
Rogue Valley Earth Day(s)	x	x		x			x	x	x
World Fish Migration Day	x	x		x			x	x	x
<i>Fall Events (September/October) - 2</i>									
Bear Creek Stewardship Day 2	x	x		x			x	x	x
Salmon Watch at Scenic Middle School	x	x		x			x	x	x
Leaf Collections		x		x			x	x	x

4.0 ILLICIT DISCHARGE DETECTION AND ELIMINATION PROGRAM

The City has implemented a program to detect and eliminate illicit discharges to the Cities stormwater system. An illicit discharge is any discharge into the system that is not composed entirely of stormwater. Conditional exceptions are identified in Schedule A.1.c. of the MS4 Phase 2 General Permit.

4.01 Schedule A.3.c.i - Implementation Date.

Schedule & Completion Date: Implemented and ongoing.

Measurable Goal: Annual Reports of illicit discharges.

Responsible Party: City of Central Point Environmental Services Coordinator.

4.02 Schedule A.3.c.ii – MS4 Map.

The City has digital GIS maps of the City's stormdrain infrastructure and outfalls. The map will be updated to include the following details in Schedule A.3.c.ii.(A)-(E) of the MS4 Phase 2 General Permit.

Schedule & Completion Date: Complete

Measureable Goal: See Appendix A

Responsible Party: City of Central Point Environmental Services Coordinator.

4.03 Schedule A.3.c.iii – Ordinance and /or Other Regulatory Mechanisms.

The City has in place a code that prohibits non-stormwater discharges in the MS4 with the exceptions conditionally allowed by Schedule A.1.c, through enforcement of the *Central Municipal Code (CPMC) Chapter 8.05 Storm Drain Protection*. The City will implement appropriate enforcement procedures and actions to ensure compliance.

Schedule & Completion Date: Completed and ongoing.

Measurable Goal: *Central Municipal Code Chapter 8.05 Storm Drain Protection*

Responsible Party: The City of Central Point Environmental Services Coordinator.

4.04 Schedule A.3.c.iv – Enforcement Procedures.

CPMC 8.05 is set up as an escalating enforcement code that addresses repeat violations through progressively stricter responses as needed to get compliance. This procedure will include timelines for compliance and formulated response procedures, and quantities and type of pollution discharged. Determination of where it was intentional or accidental.

Schedule & Completion Date: Completed and ongoing.

Measurable Goal: *Central Municipal Code Chapter 8.05 Storm Drain Protection*

Responsible Party: The City of Central Point Environmental Services Coordinator.

4.05 Schedule A.3.c.v – Program to Detect and Eliminate Illicit Discharges.

The City's Illicit Detection and Elimination program addresses the following activities:

- Illicit Discharge Complaints or Reports
- Response to Complaints or Reports
- Notification of Other Authorities
- Complaints or Report Tracking

See complete details listed in Schedule A.3.c.v.(A)-(D) of the MS4 Phase 2 General Permit.

Measurable Goal: Complaints and Incidents report tracking.

Responsible Party: The City of Central Point Environmental Services Coordinator.

4.06 Schedule A.3.c.vi – Dry Weather Screening Program.

The City has conducted dry weather screening and evaluate at least 40% of the MS4 outfalls, an additional 20% of the outfalls will be evaluated each year thereafter.

The City has prioritize several of the outfalls based on locations downstream of any source suspected of illegal or illicit activity. Priority was also be based on equitable consideration of hydrological conditions, total drainage area, population density, traffic density, age of the structures or building in the area, history of the area, land use types, personnel safety, accessibility, historical complaints or other appropriate factors as identified by the City. Dry-weather screening activities will occur after a dry period of at least 72 hours.

Dry weather field screening should include the following things in the report:

- **General Observations** - General observations must include visual presence of flow, turbidity, oil sheen, trash, debris or scum, condition of conveyance system or outfall, color, odor and any other relevant observations related to the potential presence of non-storm water or illicit discharges.
- **Field Screening and Analysis** - If flow is observed, and the source is unknown, a field analysis must be conducted to determine the cause of the dry-weather flow. The field analysis must include sampling for pollutant parameters that are likely to be found based upon the suspected source of discharge or by other effective investigatory approaches or means to identify the source or cause of the suspected illicit discharge. Where appropriate, field screening pollutant parameter action levels, identified by the permit registrant, must be considered.
- **Pollutant Parameter Action** - The City will develop or identify pollutant parameter action levels to be used as part of the field screening. The pollutant parameter action levels and rationale must be documented in an enforcement response plan (or similar document). Some of the following may use following as indicator constituents: ammonia, biochemical oxygen demand, pH, total chlorine, detergents as surfactants, E. coli, total phosphorus, turbidity, temperature, and total suspended solids as indicators. The City will submit their Pollutant Parameter Action levels with the third Annual Report.
- **Laboratory Analysis**- If general observations and field screening indicate an illicit discharge and the presence of a suspected illicit discharge cannot be identified through other investigatory methods, the inspector must collect a water quality sample for laboratory analyses for ongoing discharges. The water quality sample must be analyzed for pollutant parameters or identifiers that will aid in the determination of the source of the illicit discharge. The types of pollutant parameters or identifiers may include, but are not limited to genetic markers, industry-specific toxic pollutants, or other pollutant parameters that may be specifically associated with a source type.

Schedule & Completion Date: Completed and ongoing.

Measurable Goal: Tracking will be included in annual report.

Responsible Party: The City of Central Point Environmental Services Coordinator.

4.07 Schedule A.3.c.vii – Illicit Discharge Detection and Elimination Training and Education.

The City will ensure that all persons responsible for investigating and eliminating illicit discharges and illicit connections are appropriately trained to conduct such activities. Staff responsible for conducting dry weather screening activities or responding to reports of illicit discharges and spill must also be properly trained.

The City will provide orientation and training to all new staff within 30 days prior to working in the IDDE program. Staff will need to receive training at least once during the permit term and the City will provide follow-up training as needed as procedures and technology for this program change.

4.08 Schedule A.3.c.viii – Tracking and Assessment.

The City will maintain records and report the results of IDDE program activities in the annual report and provide a descriptive summary and an assessment of the program.

5.0 CONSTRUCTION SITE RUNOFF CONTROL

The City will implement and enforce a construction site runoff control program to reduce discharges of pollutants from construction sites in its coverage area.

5.01 Schedule A.3.d.i - Implementation Date. Implemented and ongoing.

Measurable Goal: Report will be included in annual report if needed.

Responsible Party: City of Central Point Environmental Services Coordinator.

5.02 Schedule A.3.d.ii - Ordinance and/or Other Regulatory Mechanism.

- The City Ordinance CPMC 8.05.020.8, which includes discharges from construction sites.
- Section 800- Erosion Control and Sediment Prevention, of the *City of Central Point Public Works Standard Specifications and Uniform Standard Details for Public Works Construction*.
 - The chapter requires that all construction projects comply with erosion and sediment control requirements as described in the guidelines.
- Chapter 2.1 of the Rogue Valley Stormwater Quality Design Manual.
- Small lot Erosion control Permit for lots less than 1 acre

Schedule & Completion Date: Completed and ongoing.

Measurable Goal: CPMC 5.05 and the City of Central Point Public Works Standard Specifications and Uniform Standard Details for Public Works Construction Manual.

Responsible Party: The City of Central Point Environmental Services Coordinator.

5.03 Schedule A.3.d.iii – Compliance with Other NPDES Permits.

For construction projects that disturb one or more acres (or that disturb less than one acres, if it's part of a "common plan of development or sale disturbing one or more acres), the City will refer project sites to DEQ, or the appropriate DEQ agent, to obtain NPDES Construction Stormwater Permit coverage. The NPDES Construction Stormwater General Permit requirements are in addition to the City's construction site runoff control requirements identified in Schedule 5A.3.d.iv of this permit.

Schedule & Completion Date: Completed and ongoing.

Measurable Goal:

- The City Website
- Chapter 800 of the Central Point Public Works Standard Specifications and Uniform Standard Details for Public Works Construction Manual
- Chapter 2.1 of the Rogue Valley Stormwater Quality Design Manual.
- Small lot Erosion control Permit for lots less than 1 acre
- Planning Application meeting
- Public Works Staff Reports

Responsible Party: The City of Central Point Environmental Services Coordinator.

5.04 Schedule A.3.d.iv – Erosion and Sediment Control Plans.

In the *City of Central Point Public Works Standard Specifications and Uniform Standard Details for Public Works Construction – Section 820.10.01 Construction Site Management Plan (CSMP)*, requires the following in the CSMP for all projects;

"The Construction Site Management Plan shall contain sufficient information to describe the site development and the system(s) intended to control erosion and prevent off-site damage from erosion and sedimentation. The CSMP shall include, but not be limited to, the following:

1. A site location and vicinity map.
2. A site development drawing at a standardized engineering scale, such as 1"-40', containing the following site conditions:
 - a) Soil type
 - b) On-site elevations and/or topographic information adequate to determine drainage patterns and slopes.
 - c) Hydrology, including surface drainage and wetlands.

- d) Existing vegetation.
 - e) Natural resource sites and designated buffer areas.
3. Plans that show site control measures for preventing erosion and sedimentation into the City's storm water sewer systems and related resources, including supporting calculations, such as hydraulics and soil loss equation, and assumptions for a 5-year or 10-year storm event as required by City design policy.
 4. Off-site and on-site access routes for construction and maintenance vehicles.
 5. Borrow and waste disposal areas.
 6. Debris and garbage disposal areas.
 7. Vegetation specifications for temporary and permanent stabilization.
 8. Construction schedule, including the implementation of construction site management practices and expected time period of land disturbance activities.
 9. Manners of storage and disposal of materials (e.g., sand, lumber, insulation, paints, thinners, fertilizers, fuels).
 10. Temporary and permanent storm drainage facilities.
 11. Measures to be undertaken to minimize the extent of exposed soils.
 12. Areas where construction vehicles' wheels will be washed.
 13. Methods and places for concrete-wash disposal.
 14. Disturbed areas and other areas that are physically protected from potential disturbance, such as fencing.

Schedule & Completion Date: Completed and ongoing.

Measurable Goal: Section 820.00.00 of the *City of Central Point Public Works Standard Specifications and Uniform Standard Details for Public Works Construction*.

Responsible Party: The City of Central Point Environmental Services Coordinator.

5.05 Schedule A.3.d.v – Erosion and Sediment Control Plan Review.

In the *City of Central Point Public Works Standard Specifications and Uniform Standard Details for Public Works Construction – Section 820.10.01 Construction Site Management Plan (CSMP)*, states at the end of the submittal list this statement:

“The PWD will provide a written evaluation of the submitted CSMP to the applicant indicating any required modifications within 15 business days of receipt. During the life of the contract, the Applicant or Contractor shall submit any proposed changes to the approved CSMP to the PWD for approval before implementing the changes.

PWD approval of the CSMP does not necessarily reflect concurrence by the City of Central Point that the proposed measures will work. The Engineer or Contractor shall inspect, maintain, and adjust the erosion and sedimentation control measures in place to prevent and minimize negative impacts to storm water quality. Inspecting, maintaining, and adjusting the erosion control measures in place, is considered incidental work and no separate payment will be made.

The Contractor shall install additional measures to the CSMP as directed by the Engineer to improve the functionality of the CSMP.”

Schedule & Completion Date: Completed.

Measurable Goal: Section 820.10.01 of the *City of Central Point Public Works Standard Specifications and Uniform Standard Details for Public Works Construction*.

Responsible Party: The City of Central Point Environmental Services Coordinator.

5.06 Schedule A.3.d.vi – Construction Site Inspection.

The City shall have inspectors monitor construction sites as needed to ensure compliance with the General Permit. Below are the minimum triggers for inspections.

1. The construction activity will result in land disturbance or one or more acres (or that disturbs less than one acre, if it's part of a "common plan of development or sale" disturbing one or more acres). Each site must be inspected at least once during the permit term.
2. Sediment is visible or reported in stormwater discharge or dewatering g activities from the construction site; or
3. If a complaint or report is received.

Documentation for Inspections:

1. A review and evaluation of Erosion and Sediment Control Plan (ESCP) to determine if the proper measures were installed implemented and maintained properly.
2. An assessment of the site's compliance with the City's ordinances or requirements, including the implantation and maintenance of required control measures.
3. Visual observations and documentation of any existing or potential non-stormwater discharges, illicit connections and/or discharges of pollutants from the site.
4. If necessary, education or instruction provided to the construction site operator related to additional stormwater pollution prevention practices to comply with the approved ESCP.
5. A written or electronic inspection report, including documentation of all necessary follow-up actions to ensure compliance with their applicable requirements.

Schedule & Completion Date: Implemented an ongoing.

Measurable Goal: Inspection reports.

Responsible Party: The City of Central Point Environmental Services Coordinator

5.07 Schedule A.3.d.vii – Enforcement Procedures.

The City will develop, implement and maintain a written escalating enforcement and response procedure for all qualifying construction sites. The procedure will address repeat violations through progressively stricter responses, as needed to achieve compliance. The enforcement will include timelines for compliance and will consider factors such as amounts of pollutants discharged, the type of pollutant and whether the discharge was intentional or accidental.

Schedule & Completion Date: Completed and ongoing.

Measurable Goal: City Ordinance CPMC 8.05

Responsible Party: The City of Central Point Environmental Services Coordinator

5.08 Schedule A.3.d.viii – Construction Runoff Control Training and Education.

City staff who works with construction sites or any type of disturbing of soil, will have to attend an Erosion Prevention and Sediment Class.

Schedule & Completion Date: Completed and ongoing.

Measurable Goal: A list of City employees that have attended the classes.

Responsible Party: The City of Central Point Environmental Services Coordinator

5.09 Schedule A.3.d.ix – Tracking and Assessment.

The City will report the results of the Construction Site Runoff Program activities and implementation in the annual report if needed. The report will include a descriptive summary of the activities in each corresponding annual report.

Schedule & Completion Date: Completed and ongoing.

Measurable Goal: Construction Site Runoff annual report.

Responsible Party: The City of Central Point Environmental Services Coordinator

6.0 POST-CONSTRUCTION SITE RUNOFF FOR NEW DEVELOPMENT AND REDEVELOPMENT

The City will continue the development, and enforcement of the program to reduce discharges of pollutants and control stormwater runoff from new development and redevelopment project sites in the MS4 area using the Rogue Valley Stormwater Quality Design Manual with Low impact development and Green infrastructure preferred.

6.01 Schedule A.3.e.i - Implementation Date.

Schedule & Completion Date: The strategy is to implement the following programs before Jan. 1 2023.

Measurable Goal: Continual updating of the Rogue Valley Stormwater Quality Design Manual through the SWAT.

Responsible Party: City of Central Point Environmental Services Coordinator.

6.02 Schedule A.3.e.ii – Ordinance and/or Other Regulatory Mechanism

The City has adopted the “*Rogue Valley Stormwater Quality Design Manual*” through Section 800 in the City of Central Point Public Works Standard Specifications and Uniform Standard Details for Public Works Construction. This manual is a uniform design manual from the Storm Water Advisory Team (SWAT) that has representatives from Jackson County, Ashland, Central Point, Medford, Phoenix, and Rogue Valley Sewer Services. The SWAT meets quarterly to discuss changes and updates for the manual.

Schedule & Completion Date: Completed.

Measurable Goal: Rogue Valley Stormwater Quality Design Manual.

Responsible Party: City of Central Point Environmental Services Coordinator.

6.03 Schedule A.3.e.iii – Prioritization of Low Impact Development Requirements.

In Chapter 1.2 of the *Rogue Valley Stormwater Quality Design Manual*, low Impact development is required when:

“Low Impact Development Stormwater Management

Development or redevelopment of impervious surfaces greater than 2,500 sq. ft. on soils classified as belonging to the Type A or B hydrologic soil groups, by the Natural Resources Conservation Service, and on slopes of 5% or less, will require the use of Low Impact Development (LID) stormwater Best Management Practices (BMP). Existing facilities are only required to implement LID for added impervious surfaces of 2,500 sq. ft. or more.

Several example LID techniques are detailed in the Design Manual.

Exception to LID Stormwater Management Road development and road redevelopment may use any stormwater BMP that meets the performance standards outlined in Chapter 2.”

Schedule & Completion Date: Implemented.

Measurable Goal: The *Rogue Valley Stormwater Quality Design Manual*

Responsible Party: City of Central Point Environmental Services Coordinator.

6.04 Schedule A.3.e.iv – Post-Construction Stormwater Management Requirements.

The City has developed in co-operation with other local agencies have developed enforceable post-construction stormwater management requirements in the Rogue Valley Stormwater Quality Design manual (RVSQDM). Chapter 2 in the RVSQDM it addresses performances standards for the Rogue Valley and Central Point. These standards are broken down into four post construction stormwater management sections. **Erosion and Sediment Control, Pollution Reduction, Flow Control, and Stormwater Destination.**

(A) Site Performance Standard.

The City has established site performance standards for stormwater retention to target natural surface or predevelopment hydrologic function on-site and minimize offsite discharge utilizing stormwater controls that infiltrate and evaporate the water through *The Rogue Valley Stormwater Quality Design Manual*.

Chapter 2.3 FLOW CONTROL - Rogue Valley Stormwater Quality Design Manual

Post-development peak flow ≤ pre-development peak flow Structural Control Design and Specification.

Peak Flow: 10-year event, 24-hour rainfall depth of 3.0 inches

Overflow: 25-year event, 24-hour rainfall depth of 3.25 inches

(B) Treatment Standard.

For projects that are unable to fully meet the retention requirements, the remainder of the rainfall/runoff associated with this retention requirement must be treated prior to discharge with a structural stormwater control. The stormwater control must be designed to remove at a minimum of 80 percent of the total suspended solids. In treating the stormwater discharge offsite, the City will give priority to using LID (green) infrastructure before considering other structural controls.

The City has already established site performance standards for sediment reduction and stormwater management controls through *The Rogue Valley Stormwater Quality Design Manual*.

Chapter 2.2 POLLUTION REDUCTIONS - *Rogue Valley Stormwater Quality Design Manual*

“Suspended Solids: For influent concentrations of less than 70 mg/l the maximum effluent concentration leaving a development is 20 mg/l. For influent concentrations of 70 mg/l to 130 mg/l stormwater treatment facilities must remove 70% of suspended solids. For influent concentrations of 130 mg/l to 400 mg/l the allowable effluent concentration will increase linearly to a point corresponding to 89% removal at an influent concentration of 400 mg/l. Above 400 mg/l, the required removal will be 89% of total suspended solids. (See Chart in Chapter 2.2).

(C) Structural Stormwater Design and Specifications.

The City has provided a Low impact structural stormwater control or BMP list that gives descriptions and specification on how to install and maintain these controls through the *Rogue Valley Stormwater Quality Design Manual* Chapter 4 – Approved Stormwater Treatment Systems. It gives design criteria that help guide the user to select the appropriate stormwater management facility for the site and a BMP selection process.

(D) Allowance for Alternative Compliance.

The City has already established a method for vendors or designers to submit alternative BMP’s for approval in Chapter 5 of *The Rogue Valley Stormwater Quality Design Manual*.

This chapter allows designer to uses different types of processes to provide stormwater treatment, **Gravity Separation, Coagulation and Precipitation, Inert Media Filtration, and Sorptive Media Filtration.** The stormwater treatment systems must be designed to meet water quality standards under the Water Quality Design Storm, as described in Chapter 2 of the manual. The system must also have the ability to by-pass flows from a peak flow storm events. The City will have a licensed Engineer apply the Technology Assessment Protocol contained in the City of Portland Stormwater Management Manual, Appendix B when reviewing submittals of the alternative treatment systems.

(E) Stormwater Mitigation Options.

The City will develop an alternative mitigation option for stormwater retention for alternative compliance, including standards and management systems to value, estimate and account for how these projects retain the unmet volume of stormwater requirement. The mitigation project will be within the same sub-watershed as the site undergoing the development. The stormwater mitigation options will include one or more of the following for alternative compliance:

1. Offsite Mitigation – includes meeting the retention requirement at another location, the use of a stormwater mitigation bank program, or the use for stormwater payment-in-lieu program.
2. Groundwater Replenishment Projects – Projects that include implementing a project that the City has determined to provide an opportunity to replenish regional groundwater supplies.

6.05 Schedule A.3.e.v – Post Construction Site Runoff Plan Review.

The City already has a regulatory mechanism for reviewing and approving plans for stormwater controls for new development and redevelopment through *The Rogue Valley Stormwater Quality Design Manual*.

Chapter 1.2 APPLICABILITY

The standards set forth in *Rogue Valley Stormwater Quality Design Manual* apply to all development or redevelopment that creates 2,500 square feet or more of impervious surface, both public and private,

within the MS4 boundaries of any jurisdiction that adopts this manual. This requirement applies to the total amount of impervious surface that will be developed or redeveloped at full build-out of the project.

6.06 Schedule A.3.e.vi – Long-Term Operation and Maintenance.

The City will maintain an inventory of all the stormwater controls in the City by the following means;

- a. **Legal Authority** - City Ordinance CPMC 8.05.055 Provided the city gives twenty-four-hours' advance notice, the city shall be permitted to enter and inspect premises subject to regulation under this chapter as often as may be necessary when entrance is deemed by the city to be necessary to determine compliance with this chapter. However, in cases of emergency or ongoing discharge, the city shall be given immediate access.
- b. **Inspection procedures and an inspection schedule ensuring compliance with O&M.** City Ordinance CPMC 8.05.065.C Maintenance Agreement. Stormwater treatment practices shall have an enforceable operation and maintenance agreement to ensure the system functions as designed
- c. **A tracking mechanism for documenting inspection and the O&M requirements for each stormwater control.** City Ordinance CPMC 8.05.065.C.4 The person responsible for the operation and maintenance of the stormwater facility shall have the operation and maintenance manual on site and available at all times. Records of the maintenance and repairs shall be retained and available for the last five years and available for inspection by the city.
- d. **Reporting requirements for privately owned and operated stormwater control that show compliance.** GIS mapping will be used.
- e. **The location of all public and private stormwater controls.** GIS mapping will be used.

6.07 Schedule A.3.e.vii – Training and Education.

The City will ensure that all staff personnel responsible for performing post-construction runoff site plan reviews, administrating alternative compliance programs or performing O&M practices or evaluating compliance with long-term O&M requirements are trained or otherwise qualified to conduct these activities.

Schedule & Completion Date: Completed and ongoing.

Measurable Goal: Operation and Maintenance agreements with landowners.

Responsible Party: City of Central Point Environmental Services Coordinator.

6.08 Schedule A.3.e.viii – Tracking and Assessment.

The City will keep track of all Post-Construction Sites and activities.

Schedule & Completion Date: Implemented and ongoing.

Measurable Goal: Post-Construction Site Runoff annual report.

Responsible Party: The City of Central Point Environmental Services Coordinator

7.0 POLLUTION PREVENTION AND GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS.

The City will properly operate and maintain its facilities, using prudent pollution prevention and good housekeeping to reduce the discharge of pollutants into the MS4 waters.

7.01 Schedule A.3.f.i - Implementation Date.

Schedule & Completion Date: The strategy is to implement or complete the following programs before Jan. 1 2023.

Measurable Goal: The City will comply with the requirements in Schedule A.3.f.ii-ix of the MS4 Phase 2 General Permit by July 2023.

Responsible Party: City of Central Point Environmental Services Coordinator.

7.02 Schedule A.3.f.ii – Operation and Maintenance Strategy for Existing Controls.

The City has a Stormdrain Cleaning maintenance schedule in place. The City's stormdrain is divided up into 3 zones. Each year the street crews inspect, clean, and do maintenance on the one of the 3 zones. The Public Works street crews and the stormwater inspector are working on developing a schedule for Stormwater LID features that are owned by the City.

Measurable Goal: The City will continue to comply with the requirements in Schedule A.3.f.ii-ix. of the MS4 Phase 2 General Permit . A Stormdrain Inspection and Cleaning report will be included in the annual report.

Responsible Party: Public Works Parks/Streets Supervisor.

7.03 Schedule A.3.f.iii – Inspection and Cleaning of Catch Basins

The City will inspect at least 50 percent of the City owned or operated catch basins and inlets within the MS4 at least once every five years and take all appropriate maintenance or cleaning action based on those inspection to ensure the catch basins and inlet continue to function as designed. The inspection routine will be based on how much debris and sediment is in the pipes and how often the City gets rain events.

Schedule & Completion Date: Implemented and ongoing.

Measurable Goal: The City will have a map and schedule for cleaning catch basins and inlets and record all activities in our assets software.

Responsible Party: Public Works Parks/Streets Supervisor.

7.04 Schedule A.3.f.iv– Pollution Prevention in Facilities and Operations.

The City will conduct its municipal O&M activities in a manner that reduces the discharge of pollutants through the MS4 to protect the water quality. The City will review and update existing procedures for inspection and maintenance schedules to ensure pollution prevention and good housekeeping practices are conducted for the following activities.

- (A) Pipe cleaning for stormwater and wastewater conveyance systems.
- (B) Cleaning of culverts conveying stormwater in roadside ditches.
- (C) Ditch maintenance.
- (D) Road and bridge maintenance.
- (E) Road repair and resurfacing including pavement grinding.
- (F) Dust control for roads and municipal construction sites.
- (G) Winter road maintenance, including salt or de-icing storage areas.
- (H) Fleet maintenance and vehicle washing.
- (I) Building and sidewalk maintenance including washing.
- (J) Solid waste transfer and disposal area.
- (K) Municipal landscape maintenance.
- (L) Material storage and transfer areas, including fertilizers and pesticide, Hazardous material, used oil storage and fuel.
- (M) Firefighting training activities.
- (N) Maintenance of municipal facilities including public parks and open space, parking lots, etc.

Schedule & Completion Date: The strategy is to find ways to improve the following programs and to continue to reduce pollutants discharging to the MS4.

Measurable Goal: New procedures for O&M to reduce pollution in Public Work activities.

Responsible Party: City of Central Point Environmental Services Coordinator.

7.05 Schedule A.3.f.v– Registrant-owned NPDES Industrial Stormwater Permit Facilities.

The City has none of these.

Measurable Goal: None.

Responsible Party: City of Central Point Environmental Services Coordinator.

7.06 Schedule A.3.f.vi– Requirement for Pesticide and Fertilizer Applications.

The City will continue with the safe and controlled practices of pesticides and fertilization and strive to reduce the discharge of pollutants in the MS4 waters associated with fertilizers, herbicides and pesticide applications and storage.

Schedule & Completion Date: The strategy is to find ways to improve the following program and to continue to reduce pollutants discharging to the MS4.

Measurable Goal: Application and storage records and training and certification records.

Responsible Party: City of Central Point Environmental Services Coordinator.

7.07 Schedule A.3.f.vi– Litter Control.

The City will continue the practice to reduce litter within the City jurisdiction. The City currently has several programs to help pick up litter in the City. Adopt a Street and SOLVE (Stop Oregon Litter and Vandalism) are a couple of examples.

Schedule & Completion Date: The strategy is to continue the programs and to improve them.

Measurable Goal: Clean up list of locations and amounts of trash picked up.

Responsible Party: City of Central Point Environmental Services Coordinator.

7.08 Schedule A.3.f.vii– Material Disposal.

The City will continue to manage the storage and disposal of all collected screenings, grit, solids, sludges, filtered backwash water, decant water, and/or other pollutants removed in the course of maintenance and/or treatment of controlled stormwater. The City will continue to manage and dispose of the pollutants in a manner such as to prevent them from entering the waters of the state in accordance with State and Federal rules.

Schedule & Completion Date: The strategy is to continue the programs and to improve them. **Measurable Goal:** Storage and disposal records.

Responsible Party: City of Central Point Environmental Services Coordinator.

7.09 Schedule A.3.f.viii– Stormwater Infrastructure Staff Training.

The City will continue to train the staff in performing O&M practices and evaluating compliance with long-term O&M requirements in ensuring pollution prevention at the City facilities and during operations.

Schedule & Completion Date: The strategy is to continue the programs and to improve them. **Measurable Goal:** Training and orientation records.

Responsible Party: City of Central Point Environmental Services Coordinator.

7.10 Schedule A.3.f.ix– Tracking and Assessment.

The City will maintain records for the activities in the Pollution Prevention and Good Housekeeping for Municipal Operations program.

Schedule & Completion Date: The strategy will be to continue to keep records of the programs.

Measurable Goal: Descriptive summary of the activities.

Responsible Party: City of Central Point Environmental Services Coordinator.

