

COMMUNITY UPDATE

Prepared by City Manager David Kelley
February 28, 2020

City Manager's Office

Cloverdale History Museum Hosting Recycle & Compost Workshop: On Saturday, March 14th from 11 am to 12 noon the Cloverdale History Museum is hosting a workshop, "Recycle & Compost: Doing it Right" presented by Emily Harris, Waste Zero Specialist from Recology Sonoma Marin. The Workshop is at the History Center in downtown Cloverdale, 215 N. Cloverdale Blvd. Members and the public are invited. Come find out how we can sort our waste and divert recyclables and compost away from the landfill to get as close to zero waste as possible. Learn what we can all do to help our homes, businesses, community, and the world. Learn what Recology now accepts in both recycle and compost carts. Questions will be answered, along with ideas for reuse. Free recycling guide will be available that can tell you where everything and anything goes. Drop in or register online at www.cloverdalehistory.org. The Workshop is free to attend.

Chamber Announces Vine Ridge Senior Living "Official Ribbon Cutting": The Official Ribbon cutting Ceremony for the Vine Ridge Senior Living Project is scheduled, on Friday, March 13th at 4:30 p.m. at 247 Treadway Drive,



State Trailers Arriving in Sonoma County to Help Solve Homelessness: On Thursday, February 27th, ten State trailers will be delivered to the Sonoma County parking lot at 300 Fiscal Drive, Santa Rosa around 12 pm. Media partners are invited to capture footage of the trailers and hear from County officials on steps to address homelessness. According to Sonoma County, the Sonoma County parking lot is a temporary storage location. The Board of Supervisors will provide direction on how the trailers will serve our unsheltered population at a meeting of the Board in March.

Community Development

Planning Commission Meeting March 3rd: The Planning Commission is scheduled to meet at 6:30 pm on Tuesday, March 3rd at the performing Arts Center. The meeting agenda will include the following three items:

- 1) A Setback Waiver for the Garden Society's Cannabis Permit;
- 2) the General Plan Annual Report; and
- 3) the Annual Housing Report.

Please find the Planning Commission Agenda packet at the link [here](#).

Update on Six Acres Water Company Pre-Annexation Agreement: Assistant City Manager / CCD Kevin Thompson has been participating in monthly conference calls with a group of state and local representatives (Six Acres Team) for the residents served by the Six Acres water Company. At this point, the City has conducted a thorough review of the draft agreement and provided comments on the draft pre-annexation agreement to the Six Acre team. City staff is waiting for their response; we will continue to participate in the conference calls. The draft Agreement will be placed on the agenda for review by the City Council when appropriate.

Public Works & Engineering



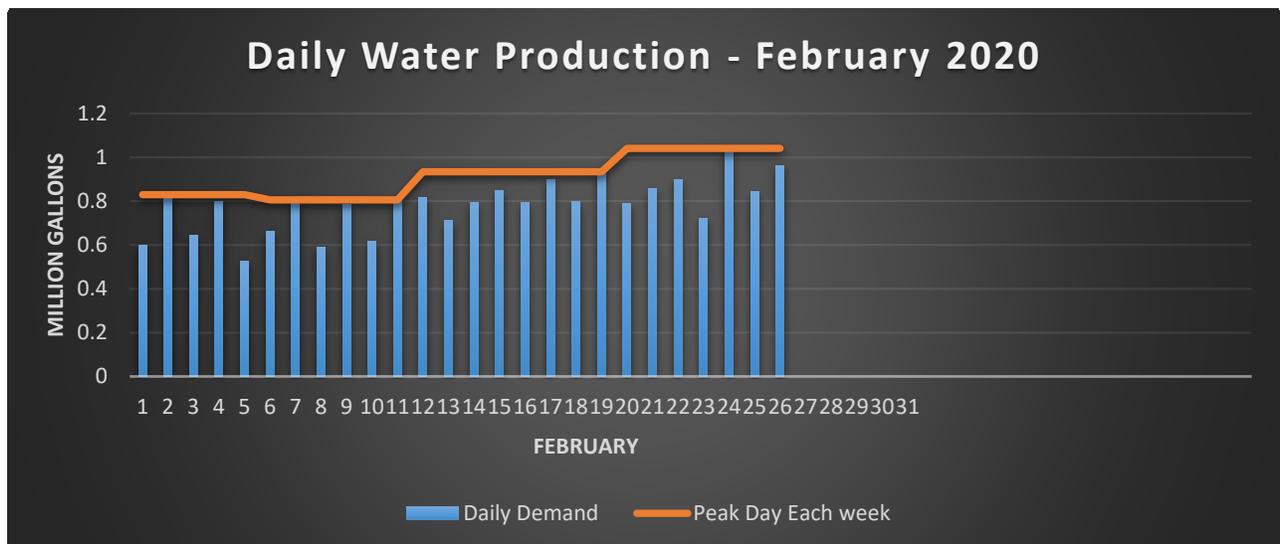
North Coast Regional Water Quality Control Board Approved City’s Sediment Work Plan: This week the Engineering Department received Regional Board approval for the City’s Sediment work plan. The plan was submitted to the Regional Board on 12/26/2018 (not a typo). Staffing shortages at the Regional Board delayed approval. With this report the City remains in compliance with its MS4 NPDES permit (Order # R1-2015-0030).

New Combination Hydro-Jetter/Vacuum truck (Vactor Truck) Delivered to Corporation Yard:

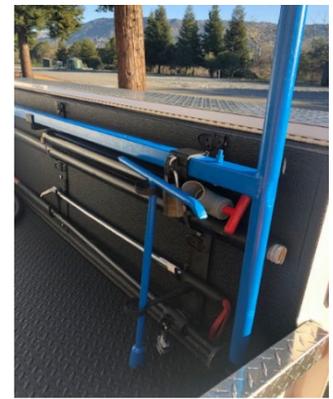
On Wednesday, the new combination hydro-jetter/vacuum truck (Vactor Truck) ordered by the City was delivered to the Public Works Corporation Yard. The purchase of the Vactor truck was approved by the City Council in August 2019. The new Vactor Truck will enable City staff to clean and maintain the sewer collection system, storm drain system, vacuum excavation for subsurface utility repairs and to provide the most expedient response to sanitary sewer overflows and other potential releases, which may have an impact on the environment and or waterways. The Vactor Truck replaces the aging existing Vactor Truck and will allow city staff to perform maintenance tasks with in-house Public Works staff rather than contracting out the work. Performing maintenance and repair work in-house will generate annual costs savings, reduce the cost of system cleaning and will allow faster response times for plugged systems.



Water Production and Demand Update: City of Cloverdale Water Department staff monitors daily water production at the Water Treatment Plant including daily demand and peak daily production. Daily production for the past couple of weeks ranged from a low of 0.723 Million Gallons Day (MGD) to a high of 1.041 MGD. The monitoring data indicates that there has been higher than usual water demands for this time of year. Staff suspects that dry weather and the need for additional irrigation this past month has generated additional water demand than normal for this time of year.



New Water Department Utility Truck Placed into Service: The recently purchased Utility Truck (GMC 2500) for the Water Department was placed into service this week. The primary use for the Utility vehicle is to facilitate utility maintenance at the Water Treatment Plant and the water distribution system for the Water Department. Water Department Staff fabricated and mounted tool brackets in the bed of the truck. In addition, safety lighting and decals were installed this week.



Water Department Maintenance Update: Water Department Staff is continuing to work on various painting projects in the water department including the de-aeration system, bollards around the treatment plant, piping around the treatment plant, and school street pump station. Water staff has also completed painting well #6, well #7, and well #8 well houses, with well#3 well house scheduled to be painted as soon as the parts arrive for the airless sprayer.

Parks & Recreation

Drinking Fountain Repair Project Completed at Porterfield Creek Open Space: Parks staff completed repair of the drinking fountain located at the Porterfield Creek Preserve Open Space. The water fountain at the Park trailhead was recently vandalized for the first time. Plumbing parts were replaced, and a report was filed with the Cloverdale Police Department.

Parks Department Continues Pilot Project to Implement Use of Organic Herbicides: Parks staff continue with the second round of organic herbicide applications in an attempt to suppress the early season weeds. Warmer weather patterns have spurred an early round of weeds in all parks and L&L Districts. This week the focus was on the Cloverdale River Park. Spraying was done around picnic tables and barbecue grills, see photo below.



Cloverdale Library Site Prepped for a New Storage Shed: Parks staff collaborated with the Street Department on preparing the Library grounds for a new storage our local Cloverdale library. Effort was made to remove vegetation to prepare a flat surface for installation of a tough-shed. The new tough-shed will provide the library with additional storage for books. Irrigation lines near the pad were inspected and several irrigation sprinklers isolated and capped off by the City's Park staff.

Parks and Recreation Maintenance Update: All parks were mowed to a designated height. The 2nd Street City Park takes priority and a close eye due to its traffic during baseball season and hosting the CHS games.

Parks staff Responds to Requests for City Arborist: Several requests were responded to this week regarding City Trees, specifically one that required the City Arborist to inspect a resident's request for consultation on pruning a mature oak tree. Feedback was provided according to the Protected Tree Ordinance. Mature trees do not respond well to large cuts. The tree's ability to heal acronym is called CODIT is short for compartmentalization of decay or damage in trees. It is a term used in the tree care industry to describe the processes that occur when a tree is wounded—whether by mechanical injury or simply the pruning of a branch.



MEDIA ADVISORY

COUNTY OF SONOMA

575 Administration Drive · Santa Rosa, CA 95403
Phone (707) 565-2431 · Fax (707) 565-3778

FOR IMMEDIATE RELEASE

Date: February 27, 2020

Contact: (707) 565-6625

Rohish.Lal@sonoma-county.org

MEDIA ADVISORY

State Trailers Arriving in Sonoma County to Help Solve Homelessness

On Thursday, February 27th, ten State trailers will be delivered to the Sonoma County parking lot at 300 Fiscal Drive, Santa Rosa around 12 pm.

Media partners are invited to capture footage of the trailers and hear from County officials on steps to address homelessness.

This is a temporary storage location. The Board of Supervisors will provide direction on how the trailers will serve our unsheltered population at a meeting of the Board in March.

WHAT: During the State of State Address, Governor Gavin Newsom announced that Sonoma County is one of seven jurisdictions to receive FEMA trailers from the State to help address homelessness. The trailers will be delivered to a temporary storage location in Sonoma County on Thursday.

WHEN: The County anticipates the trailers will be delivered around noon.

WHERE: County parking area located at 300 Fiscal Drive, Santa Rosa – the entrance is near the intersections of Paulin and Fiscal Drive. [View on a map.](#)

For more information on Sonoma County's efforts to address homelessness visit:

<http://sonomacounty.ca.gov/Homeless-Emergency/>

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GAVIN NEWSOM
GOVERNOR



JARED BLUMENFELD
SECRETARY FOR
ENVIRONMENTAL PROTECTION

North Coast Regional Water Quality Control Board

February 24, 2020

City of Cloverdale
Attn: Mr. Mark Rincon
124 North Cloverdale Blvd.
Cloverdale, CA 95425

Dear Mr. Rincon:

Subject: Approval of January 13, 2020, Sediment Source Identification and Reduction Work Plan

Files: Cloverdale City MS4 Phase 1; WDID No. 149M1000001;
CIWQS PIN No. CW-781675

Regional Water Board staff reviewed the May 2018, *Sediment in Storm Water Runoff – Source Identification and Reduction Work Plan* (Workplan), as revised December 2018, prepared and submitted by the City of Cloverdale. The Workplan was submitted in accordance with National Pollutant Discharge Elimination System Permit and Waste Discharge Requirements for Discharges from the Municipal Separate Storm Sewer Systems, Order No. R1-2015-0030, NPDES No. CA0025054 (Order), section VI.I.3.

We find that the Workplan meets the requirements of Order section VI.I.3 and is hereby approved. As an enforceable condition of the Order, the City of Cloverdale must implement all tasks per the implementation schedule enclosed in the Workplan, except that all dates in the implement schedule shall be extended by one year. Any deviations from the Workplan and implementation schedule must be submitted and approved by the Regional Water Board Executive Officer.

VALERIE L. QUINTO, CHAIR | MATTHIAS ST. JOHN, EXECUTIVE OFFICER

5550 Skylane Blvd., Suite A, Santa Rosa, CA 95403 | www.waterboards.ca.gov/northcoast

If you have any questions, please contact Brendan Thompson of my staff at 707-407-0036 or Brendan.Thompson@waterboards.ca.gov.

Sincerely,

Matthias St. John
Executive Officer

200224_BJT_mc_Cloverdale Sediment Workplan Approval

cc: Eric Janzen, City of Cloverdale, EJanzen@ci.cloverdale.ca.us



Sediment in Storm Water Runoff - Source Identification and Reduction Work Plan

May 2018

Prepared by:

City of Cloverdale Public Works Department

124 N. Cloverdale Blvd.

Cloverdale, CA 95425

Project Contact:

Eric Janzen, Senior Engineering Technician

ejanzen@ci.cloverdale.ca.us

Work Plan Certification:

As the legally responsible person for the City of Cloverdale Phase 1 National Pollutant Discharge Elimination System (NPDES) Permit Co-Permittee for the Municipal Separate Storm Sewer Systems (MS4) Order No. RI-2015-0030, #CA0025054 (Order):

"I certify under penalty of law that this work plan and all attachments were prepared under my supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations." (40 CFR subsection 122.22(d)).

David Kelley – City Manager for

Mark Rincon – City Engineer/Director of Public Works

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Attachments:

A – Permit Requirements

1. Introduction

This Work Plan for sediment in storm water runoff source identification and reduction was prepared by the City of Cloverdale (“City”) to comply with the waste discharge requirements of the North Coast Regional Water Quality Control Board’s (NCRWQCB) Order Number R1-2015-0030. The City elected to become a Phase 1 Co-Permittee (Order No. R1-2009-0050) by Council action on June 20, 2013. The current Phase I MS4 NPDES permit (Order No. R1-2015-0030) took effect on January 6, 2016.

Per Section VI.I.3 (Special Projects, Sediment) of Order Number R1-2015-0030, each Co-Permittee, either jointly or individually shall develop a Work Plan to address sediment in storm water runoff (Attachment A). The Russian River is listed as impaired by sedimentation / siltation on the Clean Water Act Section 303(d) list of Impaired Waters for California. The North Coast Regional Water Quality Control Board is engaged in efforts to develop a Total Maximum Daily Load (TMDL) for sediment for the Russian River and the Laguna de Santa Rosa watersheds. A “Guidance Document for the Control of Excess Sediment Discharges” is also under development.

The City has chosen to develop its own work plan to address sediment in storm water runoff. Requirements for the work plan, as stated in the Phase I permit, Section VI.I.3(a), are as follows:

1. An inventory of sediment sources,
2. Proposed BMPs to reduce the levels of sediment in the discharge to surface water,
3. A proposal to conduct field monitoring investigation or research to confirm the sources and significant input locations for sediment identified,
4. A monitoring proposal to verify BMP effectiveness, and
5. A proposed implementation schedule.

In order for BMP’s to be effective, they must be designed to address site specific characteristics of the sediment source. Without sediment source identification, BMP selection becomes ineffective and a drain on limited resources. The City proposes that the development of BMPs should occur after the sediment source inventory and investigation (item #3 above) have been completed.

2. Existing Sediment Source Data and Guidance

Below is a list of documents related to addressing excess sediment in waterways. Some are under development.

- Guidance Document for the Control of Excess Sediment Discharges.
 - This Guidance document is being developed by the NCRWQCB. The NCRWQCB website indicates that completion of this guidance document is not a priority for the NCRWQCB and there is no known date for completion.
- Russian River Sediment/ siltation Total Maximum Daily Load (TMDL).
 - The TMDL is not yet completed.

- Total Maximum Daily Load Implementation Policy Statement for Sediment Impaired Receiving Waters in the North Coast Region, NCRWQCB, 2004.
- Work plan to Control Excess Sediment in Sediment-Impaired Watersheds, NCRWQCB, April 8, 2008.
 - This Work Plan describes the tasks and activities planned by NCRWQCB staff to reduce excess sedimentation of waterways in the North Coast Region. These activities range from “use progressive enforcement” to “continue to implement the 401 Certification program.” These activities are generally not actions that would be implemented by the Co-Permittees.
- *Handbook for Forest, Ranch & Rural Roads, A Guide for Planning, Designing, Constructing, Reconstructing, Upgrading, Maintaining and Closing Wildland Roads*. Prepared January 2014 by Pacific Watershed Associates for the Mendocino County Resource Conservation District with partial funding through SWRCB and CalFire.
 - This book is an update to the 1994 version, which provides erosion and sedimentation examples caused by roads and is a resource of solutions and BMPs to erosion of roads and streambanks. Much of the content in the chapters have relevance to in the context of fine sediment sources that end up in typical streams and MS4 systems.

3. Sediment Source Identification

The City is located within the Russian River watershed, Middle Region, and immediately downstream (south) of the confluence with Big Sulfur Creek. All waterways within the Cloverdale City Limit traverses the City in a southeasterly direction and cross the Highway 101 right-of-way prior to discharging into the Russian River. The Russian River has been identified as impaired by sedimentation/siltation and is listed on the federally mandated 303(d) list of impaired water bodies. These listings are determined by the State and Regional Water Boards.

The 303(d) list provides a long list of *potential* sources of excess sediment within the Middle Region of the Russian River, however the listing does not provide sources specific to Cloverdale, nor sources contributing to tributary waterways traversing Cloverdale.

As further described below, “desktop” and field investigations will be conducted to develop an inventory of sources of sedimentation/siltation specific to Cloverdale. Field investigations will include streambank investigations and water quality monitoring.

The City will not be investigating the impact of atmospheric sediment deposition. The City’s focus will be on the impacts of discharges from the Municipal Separate Storm Sewer System (MS4) and traversing tributary waterways. Should the City discover that natural channel erosion or non-urban land uses such as agricultural uses are a primary source of excess sedimentation, the City will note them as sources in the work plan but will consider those sources as outside the City’s authority to regulate.

4. Phase I Investigation

The City will conduct in-office investigations as the first phase of developing an inventory of sediment sources with the potential to discharge to the City's MS4. This will include gathering institutional knowledge, land use (Zoning) map review, and a review of publically available remote sensing data and existing satellite/aerial imagery and preparation of the Phase II Investigation work plan. The Phase I investigation shall commence within 60 days of approval of this work plan by the Regional Board Executive Officer and conclude no later than 6 months from the start of work or July 15, 2019 whichever is later.

4.1 Office and Field Staff Interviews

The City will conduct interviews with Public Works staff and gather information already existing within the staff's base of knowledge. Public Works field staff are also in the position to observe more in-stream and MS4 conditions daily and their institutional knowledge will be initially surveyed.

4.2 Remote Sensing

The City proposes a review of available aerial imagery (Free Google Imagery, Sonoma County historically chartered aerial photo archives; City historical aerial photographs; and free and independently sourced hyperspectral satellite imagery) for indications of suspended sediment/turbidity. Satellite reviews and mapping of turbidity are relevant optical indicators for water quality monitoring purposes (Nechad, Ruddick, & Neukermans, 2009), and also long known in remote sensing as an easily-measurable analogue or proxy for suspended sediment concentration in sediment transport applications (Gippel, 1995). A review of this imagery, as captured in different seasons of the years and in multiple past years, can provide information as to locations with the greatest turbidity impacts.

Aerial photographs can also be used for geomorphic analysis to identify areas of streambank erosion and indicate the likely sources. This would include areas of sharp bends in stream banks, open dirt areas, dirt roads, dirt roads crossing surface water bodies, etc. Although streams and surface water bodies often are obscured by tree canopy and vegetation, there are typically areas which allow direct viewing of the water such as bridge crossings. Additionally, different image years and seasons can allow for direct viewing of water surface as well. Aerial photography and City land use (Zoning) maps will be used to identify land use types that could contribute to excess sedimentation. Wet and dry season imagery will be used as available.

5. Phase II Investigation - Sediment Source Field Investigation

Once the Phase I investigation has identified the likely sources of sedimentation, a priority list will be developed and a field reconnaissance of the areas within the MS4 identified as likely to significantly impact water quality will be conducted to observe current conditions.

The City shall prepare a Phase II Investigation work plan to conduct the field investigation of the potential sediment sources as part of the Phase I investigation. The sediment source priority list and Phase II Investigation work plan shall be submitted to the Regional Board for review and acceptance by Executive Officer.

The Phase II Investigation will be conducted over the next wet season following acceptance by the Regional Board Executive Officer.

Work shall start on the down-gradient side and at City's MS4 discharge locations and methodically work up-gradient. Site reconnaissance efforts will, in part, be determined by accessibility. Some reaches of streams believed to have large sediment load inputs due to streambank erosion, for example, may not be safely accessible or may be on private property.

It will be important to identify the type of sediment: size characterization (clay, silt, sand, gravel, or cobbles), material type, source, and generation process, etc. Areas of stream bank erosion will be identified. Where there is erosion, the likely or potential cause(s) of the erosion, such as natural stream processes, MS4 activities, hydromodification, or damage to the stream bank, will be identified. The City shall prepare a map of proposed sample locations and sampling schedule, as part of the Phase II Investigation. The map shall be submitted to the Regional Board for review and acceptance at the conclusion of the Phase II investigation.

6. Phase III - Water Quality Baseline Sampling

The preliminary Public Works survey, land use map review and remote sensing review will provide the basis of proposed field reconnaissance locations. Representative source locations will be sampled for turbidity and/or total suspended sediment to establish baseline or source values. Due to the potential for storm variability and seasonal drought, the City would propose to complete sampling over a period of up to 2 storm seasons to obtain more representative data. The data would then be tabulated and maintained in a storm water spreadsheet. The City will collect water samples at the highest priority locations identified, upstream and downstream of the Highway 101 right of way, as well as locations up-gradient and down-gradient of City's MS4 outlets to the Russian River to gain a baseline snapshot of the impact of sediment in runoff discharged from the City's MS4 to the Russian River.

A proposed sample location map and schedule will be developed by the City as part of the Phase II investigation and submitted to the Regional Board for review and acceptance prior to sampling.

7. Phase IV – BMP Development Plan

Once the sediment source investigation and water quality baseline sampling are complete, as part of the Phase IV BMP Development Plan, erosion and sediment control BMPs will be selected and will be based on the results of the Phase I-III investigations. A prioritization scheme will be developed prior to the implementation of BMPs. Prioritization criteria may include areas of greatest sediment contribution, cost, accessibility, etc.

The investigation results will be used to inform the proposed BMP selections. Selected BMPs may include structural BMPs such as installation of sediment traps, LID retrofits, streambank restoration, and slope stabilization. They could also include programmatic BMPs, such as increased street sweeping, or outreach to property owners. Implementation and/or installation of BMPs will be prioritized and will be implemented depending on cost/budget approval, accessibility, and permitting constraints.

Budgeting for BMP selections will be phased according to available funds. Because the BMPs have not been selected at the time of this work plan preparation, the schedule for installation of BMPs will be submitted to the NCRWQCB, once the BMPs have been selected.

8. Phase V - Best Management Practices Monitoring

Once BMPs are employed, monitoring of BMPs will be implemented to evaluate and track their effectiveness in reducing sedimentation of waterways as appropriate for the BMP. The monitoring scheme will be developed in conjunction with the BMP selection. The monitoring plan, when developed, will include the monitoring of individual BMPs directly, when appropriate, with visual observations. It will also include direct monitoring for turbidity or suspended sediments in outfall runoff and in-stream, as described in Section 6.0 above.

8.1 Visual Monitoring

Visual monitoring includes observations and inspections of structural BMPs and in-stream water clarity, as well as review of updated satellite imagery, as available, for evidence of reduction in sedimentation. Inspections of BMPs are required to identify and record BMPs that need maintenance to operate effectively, that have failed, or that could fail to operate as intended. Visual observations of the identified sediment source areas are required to observe storm water drainage areas to identify discharge of sediment.

8.2 Routine BMP Inspections

Inspections of BMPs will also be conducted to identify and record:

- BMPs that are properly installed
- BMPs that are maintained properly
- BMPs that have failed
- BMPs that are at risk of failing

8.3 Programmatic Monitoring

Programmatic monitoring will include review of BMPs that are included in the City's storm water program. The monitoring specifics will be developed after the BMPs are selected.

8.4 Water Quality Monitoring

The water monitoring regimen conducted to develop a baseline of turbidity and suspended sediment in Cloverdale's MS4 will be repeated after a specified time period of BMP operation. This will enable the City to view the overall changes in sedimentation within the MS4 and compare it to the baseline.

9. Implementation Schedule

Section No.	Work Plan Element	Completion Date
NA	Submittal of draft Sediment Work Plan to Regional Board	May 6, 2018
NA	Final Approval of Sediment Work Plan by Regional Board	October 31, 2018
4.	Phase I Study - Public Works Staff Survey, Land Use Map Review and Remote Sensing Source Investigation completion and submittal of Phase II Investigation Plan to Regional Board	July 15, 2019
4.a	Approval of Phase II Investigation Plan by Regional Board	October 15, 2019
5.	Phase II Investigation - Field Verification and Investigation	June 15, 2020
6.	Phase III - Water Quality Baseline Sampling Work Plan	June 15, 2020
6.a	Approval of Phase III Baseline Sampling Plan by Regional Board	Sept. 15, 2020
6.b	Baseline Dry weather turbidity monitoring (Year 1)	October 15, 2020
6.c	Baseline Wet weather turbidity monitoring (Year 1)	April 30, 2021
6.d	Baseline Dry weather turbidity monitoring (Year 2)	October 15, 2021
6.e	Baseline Wet weather turbidity monitoring (Year 2)	April 30, 2022
7.	Phase IV - Proposed BMPs Selection and Implementation Plan (Preliminary) submitted to Regional Board.	July 31, 2022
8.	Submittal of BMP Monitoring Plan to Regional Board	July 31, 2023
9.	Phase IV - Best Management Practices Monitoring	October 2023-ongoing

ATTACHMENT A
PERMIT REQUIREMENTS FOR A SEDIMENT IN STORM WATER WORK PLAN