

Appendix E

Construction Site Stormwater Activities

**CITY OF BEND
STANDARD OPERATING PROCEDURE**

<p>Standard Operation of: City of Bend Erosion and Sediment Control Compliance Program</p> <p>BEND CODE TITLE 16.10: Clearing, Grading, and Erosion Control on Construction Sites</p>	<p>Creation Date: 12/20/2019</p>
<p>Approved By:</p> <p>Reviewed By: WE, DB</p> <p>Author: Sean Mulderig</p>	<p>Revision Date: 5/4/2020</p>
<p>Subject: City of Bend standard construction erosion and sediment control (ESC) compliance process. This standard operating procedure will address pre-inspection project review/research, pre-construction meetings, initial ESC Best Management Practices (BMP) inspections, routine ESC inspections, follow-up inspections, complaint response inspections, and enforcement. Implementation of this program is to ensure compliance with BEND CODE TITLE 16.10: Clearing, Grading, and Erosion Control on Construction Sites</p>	
<p>Scope and Location: City of Bend Stormwater system, right of way, and private property with potential to impact the City’s stormwater system or drinking water aquifers via stormwater.</p> <p>I. Location and Coverage</p> <ul style="list-style-type: none"> a. Throughout the City limits. b. 24-7 <p>II. Enforcement Approach—Construction Site Activities</p> <ul style="list-style-type: none"> a. Coverage (Applicable to Chapter 16.10) <ul style="list-style-type: none"> i. ESC pollution prevention required on all construction sites regardless of permit or not. <ul style="list-style-type: none"> 1. Exemptions from permit (must still meet performance standards)—16.10.010B. ii. Clearing, Grading and Erosion Control Permit (or requirements as part of plan approval) 	
<p>List of Tools/Equipment/Material: Involved Equipment:</p> <ul style="list-style-type: none"> 1. E-Plans (Permitted Building Plans) 2. Computers with Code Enforcement tracking (HTE, Excel Spreadsheets, or LEAP Software). 3. Monitoring Equipment (Turbidity Meter and Sludge Judge, both found in vehicle or blue bay) 	

4. Communication Tools (Printed Outreach Materials)
5. Safety personal protective equipment (PPE) for construction sites (Safety Vest, Steel-Toe Boots, safety glasses, and Hard Hat)

Hazards Identification:

1. Standard desk work (minor risk: paper cuts, carpal tunnel, eye strain, etc.)
2. Standard active construction site hazards

Purpose: To have a standard, equitable approach for addressing erosion and sediment control (ESC) inspections and enforcement needs related to implementation of City of Bend (COB) Code Title 16 and COB Standard and Specifications. Specifically, to ensure that new and redeveloped properties properly and accurately address construction site stormwater quality processes as it relates to ESC and proper housekeeping.

a. Pre-inspection

- i. Project plan review/research
 1. E-plans will push out email notifications when new building plans are submitted. ESC plans are usually attached to most infrastructure (INFR), grading and drainage (GRDR), and commercial (COMM) projects
 2. ESC plans needs to be checked for the appropriate best management practices (BMPs) such as: sediment fencing, construction entrance(s), inlet protection, concrete washouts, and dust control measures. All BMPs need to show proper locations and follow City of Bend (COB) standards and specifications. The emphasis should be prevent the soil from moving first (erosion control), and manage it
 3. Submit comments by marking up the plans with arrows and comment boxes. Save comments under the name "Stormwater".
 4. Once comments are submitted, design engineers should address those comments with oversight from City engineers.
- ii. Educational materials
 1. During all inspections make sure to bring the following materials:
 - A. "Oregon Association of Clean Water Agencies (ACWA) Construction Site Stormwater Guide"
 - B. Clean Water Works fliers for Sediment Prevention and Illicit Discharges
 - C. A copy of applicable sections of Bend Code Title 16
 - D. Applicable sections of COB Standards and Specifications
 2. Hand-out materials should be given to contractors or anyone that has interest in the program.
- ii. Pre-construction meetings
 1. INFR pre-construction meetings (Pre-Cons)
 - a. Pre-Cons are led by the Right-of-Way (ROW) Manager for the COB Engineering Department. The intent of these meetings are for developers to gain final City approval before starting work in the ROW. Finalized INFR plans are

- required before developers are allowed to request for Pre-Con.
- b. The developer, project engineer, City engineering, general contractor, various sub-contractors, City inspectors, and utilities should have representation for the Pre-con. Scheduling and project coordination/concerns should be addressed between all parties.
 - c. In terms of ESC, scheduling and any questions should be addressed in the beginning of the meeting due to it being in the grading phase of the project. Cross reference the plans and confirm with the contractors the placement and proposed timeline of BMP installations.
 - d. Schedule with contractors a time to perform an initial inspection (see section b.i) to verify correct installation per plan or approved substitute.
 - e. Upon receiving notice of the pre-con, add each project into the Inspection Tracking Log (spreadsheet database) and assign an ID number.
2. Pre-grading meetings for GRDR permits
 - a. Once GRDR permits are finalized and approved by the City, Engineering will schedule an on-site pre-grading meeting with the developer, project engineer, City engineering, general contractor, excavator, and the Stormwater Compliance Specialist.
 - b. All parties will meet on-site and will walk the site addressing any questions/concerns with work scheduling and installation of ESCs and tree protection.
 - c. All COB standard ESCs should be included and installed on GRDR projects.
 - d. Schedule with contractors a time to perform an initial inspection (see section b.i) to verify correct installation per plan or approved substitute.
 - e. Upon receiving notice of the pre-grading meeting for GRDR permits, add each project into the Inspection Tracking Log (spreadsheet database) and assign an ID number.

b. Inspections

- i. Initial ESC BMP Inspections
 1. Before the grading phase of a project begins contractors must install ESC BMPs per Bend Code Title 16 and the approved plans.
 2. The Stormwater Compliance Specialist will schedule a time with the contractor to inspect the initial ESC BMP installation.
 3. During the initial ESC BMP inspection the Stormwater Compliance Specialist will cross reference the approved plans with the installation. It's important to verify proper installation of BMPs (refer to City of Bend Standard and Specifications).
 - a. Sediment fencing needs to be trenched and backfilled. Sewn-pocket fencing needs to be installed with stakes facing the construction side.
 - b. Construction entrances needs to have properly sized 3-6" drain rock with sufficient length and width. Installations with

- smaller sized rock are common and not effective at preventing sediment tracking in the ROW.
- c. Inlet protection needs to be installed at all construction affected stormwater inlets/grates. “Witches Hats” are the approved COB standard with the exception of bio-bags at curb-cut inlets.
 - d. Concrete washout locations need to be away from any heavily traffic areas and stormwater facilities. Washouts need to be fully contained.
 - e. Dust management needs to be verified. Is there going to be rock crushing onsite? Will there be a water truck/service onsite? How can we keep neighboring properties from being affected?
 - f. If development is to be completed in current phase, a final stabilization plan will be required. This is especially important for developments built on steep slopes. Refer to City of Bend Standards and Specifications for slope stabilization requirements (see COB standards, section 7.1.3).
2. Throughout the inspection take pictures of proper and improper installations, while also noting any practices that are and are not in compliance. Use an app on your phone or a camera that includes a date/time stamp on the pictures. Record all inspection results in the Inspection Tracking Log Book (see section c). Upload photos into the SharePoint Media/Construction/FY(year) folder. Ensure photos are renamed by site ID number and date (e.g. ID XX_Year Month Day).
 3. Once Initial ESC BMP Inspection is completed, make sure to notify contractor of any deficiencies that need to be corrected. If needed, schedule a Follow-up inspection (see section b.iii).
- ii. Routine ESC Inspections
1. Throughout the project build it’s important to routinely verify that contractors are properly maintaining their ESC BMPs and preventing their sediment from affecting stormwater systems. Often times, ESC BMPs should adapt as the project site changes; this should be noted on the contractor’s on-site plans.
 2. The Stormwater Compliance Specialist should perform a routine inspection on a 1-4 week cycle dependent on impact/speed of project.
 3. ESC BMPs should be inspected as if it was an Initial ESC BMP Inspection (see section b.i)
 4. If ESC BMPs are in compliance resume routine inspection cycle. If deficiencies are noted, schedule a follow-up inspection (see section b.iii) with the contractor.
 4. Throughout the inspection, take pictures of proper and improper installations, while also noting any practices that are and are not in compliance. Use an app on your phone or a camera that includes a date/time stamp on the pictures. Record all inspection results in the Inspection Tracking Log Book (see section c). Upload photos into the SharePoint Media/Construction/FY(year) folder. Ensure

photos are renamed by site ID number and date (e.g. ID XX_Year Month Day).

iii. Follow-up Inspections

1. If ESC deficiencies are noted during any inspection a follow-up inspection should be scheduled with the contractor to verify that corrective actions have been made.
2. Depending on urgency, weather, and threat to water quality, a follow-up inspection should be scheduled within a couple weeks at a maximum. If the deficiencies are urgent, a 1-2 day timeline should be sufficient.
3. ESC BMPs should be inspected as if it was an Initial ESC BMP Inspection (see section b.i)
5. Throughout the inspection take pictures of proper and improper installations, while also noting any practices that are and are not in compliance. Use an app on your phone or a camera that includes a date/time stamp on the pictures. Record all inspection results in the Inspection Tracking Log Book (see section c). Upload photos into the SharePoint Media/Construction/FY(year) folder. Ensure photos are renamed by site ID number and date (e.g. ID XX_Year Month Day).
4. If ESC BMPs are in compliance resume routine inspection cycle. If deficiencies are still not corrected, schedule an additional follow-up inspection with the contractor. In the event that no attempt to correct deficiencies has been made, a Notice of Violation (NOV) should be written and given to the responsible person/party with a new compliance deadline. Failure to comply by the NOV deadline may result in further enforcement steps. It is important to make this clear with the contractor before issuing the NOV.

iv. Complaint Response Inspection

1. Complaint notifications are received through the front desk, forwarded from other departments, or received directly. Complaint response is handled with priority due to direct impact of COB citizens or other urgent matters.
2. When receiving the complaint record as much information as possible: contact information, location, situation detail, and any affiliations. All complaints are kept anonymous.
3. If contact information for responsible person/party is already known, call them and try to resolve the issue promptly and then follow-up with a site visit.
4. Document all conversations and inspections in the Inspection Tracking Log Book.
6. Throughout the inspection take pictures of proper and improper installations, while also noting any practices that are and are not in compliance. Use an app on your phone or a camera that includes a date/time stamp on the pictures. Record all inspection results in the Inspection Tracking Log Book (see section c). Upload photos into the SharePoint Media/Construction/FY(year) folder. Ensure photos are renamed by site ID number and date (e.g. ID XX_Year Month Day).

5. If ESC BMPs are in compliance resume routine inspection cycle. If deficiencies are noted, schedule a follow-up inspection (see section b.iii) with the contractor.
- v. COB Capital Improvement Projects (CIP)
 1. City of Bend Capital Improvement Projects should be inspected and held to the same standards as Private Development Projects. The only thing different is how to approach scheduling inspections and knowing who to report deficiencies to. If a complaint is received regarding a CIP, determine who the COB project engineer and inspector is and address it with them. They will talk to the contractors directly and have them resolve the deficiency. In some cases the project engineer would want the Stormwater Compliance Specialist to come on-site and speak with the contractor at fault.
 2. All enforcement will be handled by the COB Project Engineer and Inspector in communication with the Stormwater Utility for record keeping and ensured compliance.
 - vi. Non-permitted ESC Inspections
 1. Some projects are of a small enough size that they do not need permits, etc. These are typically single family residential or smaller redevelopment projects. Despite not being tracked or required to obtain a permit, these projects still must meet the performance standards (no sediment to the COB infrastructure). These are treated as an Illicit Discharge Detection and Elimination compliance though tracked under ESC Inspections.
 2. The Stormwater Compliance Specialist should keep eyes out for violations of performance standards in non-permitted projects when commuting through the COB, when received as a complaint, and as time is available to note and drive past known smaller projects.
 3. For a site violating a performance standard, ESC BMPs should be inspected as if it was an Initial ESC BMP Inspection (see section b.i). Upon noting the violation, add each project into the Inspection Tracking Log (spreadsheet database) and assign an ID number.
 4. If ESC BMPs are in compliance resume routine inspection cycle. If deficiencies are noted, schedule a follow-up inspection (see section b.iii) with the contractor.
 5. Throughout the inspection, take pictures of proper and improper installations, while also noting any practices that are and are not in compliance. Use an app on your phone or a camera that includes a date/time stamp on the pictures. Record all inspection results in the Inspection Tracking Log Book (see section c). Upload photos into the SharePoint Media/Construction/FY(year) folder. Ensure photos are renamed by site ID number and date (e.g. ID XX_Year Month Day).

d. Inspection Tracking

- i. During any inspection, record information outlined in the “Stormwater Construction BMP Inspection Form” (see below). This inspection sheet

Responsible Person/Party (RP) with a compliance deadline of the Stormwater Compliance Specialist's discretion. Usually this deadline will be a minimum of 24hrs and a maximum of 2-weeks dependent on urgency (e.g., potential to pollute including forecasted storm or shower activity; high winds, etc.).

2. If the RP fails to meet compliance standards by the original deadline but makes an attempt, a new deadline will be issued along with a second verbal warning notifying the RP of the potential enforcement procedures. If no attempt has been made to address deficiencies by original deadline, issue Notice of Violation (NOV). An example NOV can be found on Sharepoint.
3. A NOV will be issued if the second compliance deadline is not met or no attempt to correct original deficiencies has been made.
 - a. The NOV will state a final compliance deadline and the type of enforcement to be taken.
 - i. Before an NOV is issued, Building and Engineering Inspectors will be notified of the compliance issue.
 - ii. Building and Engineering Inspectors will be sent a copy of the NOV.
4. If compliance by NOV deadline is not met, Building Inspectors, Engineering Inspectors, and Stormwater Compliance Specialist will be expected to delay further inspections, issue stop work orders, or issue civil penalties until compliance is achieved.
5. All verbal and written education, warning, and violations should be recorded in the inspection tracking form and summarized for monthly and annual reports.

e. Potential Challenges/Coordination Issues

- i. Inspector Coordination/Overlap
- ii. Construction Site and Illicit Discharge overlap
- iii. Record-keeping and Data Tracking

f. References

- i. Educational Tools (see www.bendoregon.gov/cleanwaterworks Business page and Construction Subsection)
 1. Fact Sheet with Performance Standards from 16.10.070 through 16.10.100 and 16.15.040
 2. ESC Applicability Flow Chart
 3. Guidance for 1200-C permits at Permit Center
 4. ACWA Construction Site Guide
 5. COSM 2010—ESC chapter
 6. Example SFR erosion and sediment control plan
 7. ESC fact sheet
- ii. Additional Educational Tools Needed
 1. Checklist for Permit Center Staff of application needs.
 2. Criteria of special circumstances when Soils and Geological Reconnaissance Report should be required.
 3. Map of WOZ and ASI zones
 4. Inspection form for onsite inspector
 5. Performance Standards Guidance

SECURE YOUR LOAD

Do the Right Thing for Your Community

Ask Yourself...

Is there any way debris can fall or blow out of my vehicle/truck? Is my load secure on the top, sides and bottom?



Cover It!



Why?

Road debris or sediment...

- Causes Accidents
- Creates Ugly Litter Along Roadway
- Accelerates Aging of Streets
- Covers Spawning Gravels
- Damages Our River



UTILITY DEPARTMENT

62975 Boyd Acres Road
Bend, OR 97701
541-317-3000, ext. 2
FAX: 541-317-3046

www.bendoregon.gov/cleanwaterworks



\$10 Discount at Knott Landfill
when you cover your load.

IT'S THE LAW

Bend Code Title 16.20

Deschutes County

Ordinance 13.36.040

ORS

Section 818.300

Bend Code Title 16.20 Illicit Discharge Controls

- B. Any person engaged in activities that will or may result in pollutants entering a storm drain... shall undertake reasonable measures to reduce such pollutants.
- C. No person shall throw, deposit, leave, maintain, keep, or permit to be thrown, deposited, placed, left or maintained, any refuse, rubbish, garbage, debris, sediment, or other discarded or abandoned objects, articles, and accumulations, in or upon any street, alley, sidewalk, storm drain...or other drainage structures...so that the same might be or become a pollutant...

Deschutes County Ordinance 13.36.040

No person shall transport waste or solid waste in or on a motor vehicle or trailer upon a public road unless such waste or solid waste is covered and secured.

2017 ORS Section 818.300 - Operations with Sifting or Leaking Load

- (1.) A person commits the offense of operating with a sifting or leaking load if the person does any of the following:
- (a) Drives or moves on a highway any vehicle or combination of vehicles that is so constructed or loaded so as to allow its contents to drop, sift, leak, or otherwise escape therefrom.
 - (b) Owns a vehicle or combination of vehicles and causes or permits the vehicle or combination of vehicles to be driven or moved on a highway when the vehicle or combination of vehicles is so constructed or loaded so as to allow its contents to drop, sift, leak, or otherwise escape therefrom.
- (3.) Violation of the offense described in this section is subject to civil liability under ORS818.410 which states, "The owner and driver of anything using a state, county or city highway, street or bridge in violation...are jointly and severally liable to the state, county or city for all damage done as a result of the violation."
- (4.) The offense described in this section, operating with a sifting or leaking load, is a Class B traffic violation. [1983 c.338 §524; 1985 c.393 §31]

For more information visit:

www.deschutes.org/solidwaste/page/cover-and-secure-your-load

www.codepublishing.com/or/bend/html/Bend16/Bend16.20.html

www.oregonlaws.org/ors/818.300

Only Rain in the Storm Drain. Call 541-317-3000 ext. 2 to report anything else.



Accommodation Information for People with Disabilities

To obtain this information in an alternate format such as Braille, large print, or electronic, please contact 541-317-3000 ext. 2 or email utilities@bendoregon.gov.



UTILITY DEPARTMENT





Stormwater Construction BMP Inspection Form

UTILITY DEPARTMENT

Site ID #: _____

Date & Time: _____

Site Address: _____

Inspected by: _____

Reason for Inspection: Routine Complaint Inv. Follow-Up

Weather: Clear Cloudy Other: _____

Responsible Person: _____ Phone #: _____ Email: _____

Contact Address: _____

1. General Practices During Construction: (yes is compliant)

i. Are sensitive lands or ASI areas protected from vehicles/equipment? YES NO N/A

ii. Are stormwater infiltration areas protected from vehicles/equipment? YES NO N/A

iii. Are trees protected with fencing? YES NO N/A

iv. Are materials/debris properly stored out of the right-of-way? YES NO N/A

v. Are hazardous pollutants/chemicals properly stored and/or managed? YES NO N/A

vi. Are general housekeeping practices properly implemented? YES NO N/A

Section 1 Comments:

2. Erosion and Sediment Control Practices During Construction: (yes is compliant)

i. Are sediment stabilization BMPs properly installed and/or effective? YES NO N/A

ii. Are discharges adequately controlled to prevent runoff from coming off site? YES NO N/A

iii. Are construction entrances properly installed and/or effective? YES NO N/A

iv. Are access ramps properly installed and/or effective? (sediment ramps are not permitted) YES NO N/A

v. Are inlet protection BMPs properly installed and/or effective? YES NO N/A

vi. Are perimeter controls properly installed and/or effective?

YES

NO

N/A

Section 2 Comments:

3. Contractor Inspections: (yes is compliant)

i. Are the Erosion Sediment Control Plans available onsite and/or being used?

YES

NO

N/A

ii. Are Inspections/maintenance forms being used? (e.g. maintenance plan/schedule)

YES

NO

N/A

Section 3 Comments:

4. Enforcement Action:

Follow-Up Inspection (Verbal Warning)

Written Notice of Non-Compliance

Yellow Tag (48 Hour Compliance Notice)

Red Tag (Stop Work Order)

Delay Future Inspections (Building/PDE)

Code Enforcement Notice of Violation/Citation

i. Is the site compliant with Bend Code Title 16 and any other applicable permits?

YES

NO

Section 4 Comments/Corrective Actions:

City of Bend (FY2019-20)

Erosion and Sediment Control Inspection Tracking Log

Date	Site ID #	Site Name (Location)	Type of Action	Status	Drainage	Education Info Provided	Enforcement Taken	Case Progress/Comments
7/2/2019	169	NW Potts Ct	Routine Inspection	In Progress	UIC	No	None	Routine Inspection; minor erosion from the storm; sediment fencing held back sediment; will reinspect in a couple weeks
7/2/2019	137	Lodges at Bachelor View	Routine Inspection	In Progress	UIC	Yes	None	Routine Inspection to check slope stabilization; extra tackifier not applied yet; for the most part slopes held up with rain yesterday; Ben was finishing installation of drillhole with riser casing; liner fabric reinstalled
7/2/2019	44	Shevlin Bluffs	Compliant Investigation	In Progress	UIC	Yes	None	Complaint investigation; sediment from all lots (developed and undeveloped) were showing signs of erosion; storm affected all areas on the west side; will get streets to send over a sweeper
7/3/2019	204	2289 NW Putnam Dr	Compliant Investigation	Open	UIC	No	None	Complaint received regarding sediment from yesterday's storm originating from SFR development (2289 NW Putnam Road) depositing onto her driveway; no drywells/drillholes/river-drainage in the vicinity; attempted to speak to builder; builder not onsite; submitted requested to get street sweeping
7/3/2019	137	Lodges at Bachelor View	Routine Inspection	In Progress	UIC	Yes	None	Drywell/drillhole test; easily passes infiltration test; failed drywell/drainage issue has been resolved
7/9/2019	206	749 NE Seward Ave	Compliant Investigation	Open	UIC	Yes	Verbal Warning	Complaint regarding bark mulch stockpiling in ROW; spoke to landscapers and requested that in the future that they stockpile on private property
7/9/2019	205	Homewood Suites	Routine Inspection	Open	UIC	No	None	Routine Inspection; no tracking issues; sed fencing is good condition; will reinspect in a couple weeks
7/9/2019	204	2289 NW Putnam Dr	Compliant Investigation	In Progress	UIC	No	None	Builder still not on-site; will check later in the week
7/9/2019	198	1609 SW Chandler Ave	Follow-up Inspection	In Progress	UIC	No	None	Construction entrance has been installed; no tracking in ROW; will reinspect in a couple weeks
7/10/2019	203	19476 Pine Drive	Follow-up Inspection	In Progress	UIC	Yes	Verbal Warning	Complaint investigation; spoke with Josh about the dust issue and explain to him that the dirt road is not ROW; request that he increase watering of the road to reduce dust; we discussed to addition of gravel to the road; will run it by Chris (PED)
7/11/2019	137	Lodges at Bachelor View	Follow-up Inspection	In Progress	UIC	No	None	Jay notified me to inspect the tackifier application before approving final; tackifier has been applied at the COB standard specifications; notified Jay of my approval
7/11/2019	44	Shevlin Bluffs	Follow-up Inspection	In Progress	UIC	No	None	Sediment in ROW has been cleaned up; streets have been swept
7/16/2019	208	3160 NW Metke Pl	Compliant Investigation	In Progress	UIC	Yes	Verbal Warning	Complaint investigation; sediment in ROW; spoke with general contractor Tye and requested that they clean the ROW and make an attempt to stabilize disturbed slopes; will check back next week to re-inspect
7/16/2019	207	3401 NW Bryce Canyon Ln	Compliant Investigation	In Progress	UIC	Yes	None	Drainage complaint investigation; neighbor reported that runoff and sediment from new SFD next door has flooded onto his property; the new home looks to be finalized; need to check with building dept to see if anything can be done
7/17/2019	206	749 NE Seward Ave	Follow-up Inspection	Closed	UIC	No	None	Bark dust cleaned off ROW; closed
7/23/2019	209	Pacific Crest Middle Soccer Fields	Pre-Con Meeting	Open	UIC	Yes	None	Pre-con meeting; discussed esc measures and drainage; will meet after pre-con to do initial site inspection

City of Bend (FY2019-20)

Erosion and Sediment Control Inspection Tracking Log

Date	Site ID #	Site Name (Location)	Type of Action	Status	Drainage	Education Info Provided	Enforcement Taken	Case Progress/Comments
7/23/2019	209	Pacific Crest Middle Soccer Fields	Routine Inspection	In Progress	UIC	Yes	None	Met with Josh on-site; inspected the ESCs; Const entrance, inlet protection, and sed fencing; all look to be compliant; will reinspect in a few weeks
7/24/2019	193	Reside Bear Creek Subdiv	Compliant Investigation	In Progress	UIC	No	None	Complaint received from PDE regarding tracking and not using the construction entrance; will inspect tomorrow and talk with Doug (foreman)
7/25/2019	193	Reside Bear Creek Subdiv	Compliant Investigation	In Progress	UIC	Yes	Verbal Warning	Spoke with Doug and Bob regarding the tracking onto the ROW and the repair and utilization of the construction entrance; Inlet protection also needs maintenace; they wil have it repaired/maintained within the next couple days; will reinspect on Monday
7/26/2019	210	Luderman Crossing	Compliant Investigation	Open	UIC	Yes	Verbal Warning	Dust complaint; called JRS to request that he increase watering and that is crews are aware of dust impacts on the surrounding homes; will make site vist on Tuesday
7/30/2019	210	Luderman Crossing	Follow-up Inspection	In Progress	UIC	Yes	Verbal Warning	Follow-up inspection; Observation of dust during construction; active watering occuring during observation; called complainant and discussed further action; told her that I have worked with Jake to ensure watering is continuous; spoke with Jake on site to confirm
7/30/2019	193	Reside Bear Creek Subdiv	Follow-up Inspection	In Progress	UIC	Yes	Verbal Warning	Follow-up inspection; additional drain rock needed in construction entrance; left voicemail with Doug
7/31/2019	211	The Alexander Hotel (NE Watt Way)	Compliant Investigation	Open	UIC	Yes	Verbal Warning	White residue from drywall compound has been washed into ROW and Stormdrain; spoke to the superintendent and requested that he get's the street cleaned as well as the catch basin; he has ordered a vactor to powerwash and vacuum it tomorrow. Will reinspect on Friday
7/31/2019	193	Reside Bear Creek Subdiv	Phone Call	In Progress	UIC	Yes	Verbal Warning	Spoke to Doug and he said that he'll get a truck load of roack within the week and that he'll keep the street clean
7/31/2019	151	20901 Cooley Rd	Routine Inspection	Open	UIC	No	None	Routine Inspection; grading work still in progress; construction entrance and sed fencing is in good condition; will check back in a couple weeks
8/1/2019	146	Forum Westside (Old Ray's)	Compliant Investigation	Open	UIC	Yes	Verbal Warning	Dust Complaint; spoke with from CS Construction; he says that they've been watering; no active dust issue upon site visit; requested that he pay extra attention to dust
8/1/2019	135	OB Riley Rd Elementary School	Routine Inspection	In Progress	UIC	No	None	Reinspect the fixed SW infrastructure and how plantings are going; the cb to swale in the NE corner of project has been installed but not finished; plantings are still in progress
8/1/2019	113	Stone Creek Sub Div	Compliant Investigation	In Progress	UIC	Yes	Verbal Warning	Dust compliant; no active dust issue noticable; spoke with Jay who was operating the water truck and he says that they've been constantly watering; will reinspect next week
8/5/2019	211	The Alexander Hotel (NE Watt Way)	Follow-up Inspection	In Progress	UIC	Yes	None	Catchbasin, curbline, and drywell has been cleaned
8/5/2019	202	Rivers Edge Phase 21	Compliant Investigation	In Progress	UIC	Yes	Verbal Warning	Complaint received; sediment tracking out on to mount washington; left voicemail with Justin; will find project manager; check back ina couple days if no response
8/5/2019	193	Reside Bear Creek Subdiv	Follow-up Inspection	In Progress	UIC	No	None	Rock has been added to construction entrance; will reinspect next week
8/5/2019	146	Forum Westside (Old Ray's)	Compliant Investigation	In Progress	UIC	Yes	Verbal Warning	Dust Complaint from a business owner; spoke with from CS Construction; he says that they've been watering; no active dust issue upon site visit; requested that he pay extra attention to dust

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Erosion and Sediment Control Inspection Tracking Log

Date	Site ID #	Site Name (Location)	Type of Action	Status	Drainage	Education Info Provided	Enforcement Taken	Case Progress/Comments
8/5/2019	146	Forum Westside (Old Ray's)	Compliant Investigation	In Progress	UIC	Yes	Verbal Warning	Dust Complaint; spoke with from CS Construction; he says that they've been watering; no active dust issue upon site visit; told him that if dust isnt managed then construction will have to be halted
8/6/2019	212	New High School off 15th	Pre-Con Meeting	Open	UIC	Yes	Verbal Warning	Pre-con meeting; new highschool on south end of town; will perform site inspection next week to confirm proper esc installation
8/6/2019	146	Forum Westside (Old Ray's)	Phone Call	In Progress	UIC	Yes	Verbal Warning	Spoke to Tracy about dust; he claims that they are constantly watering for dust supression; I mentioned that they need to water more and be aware of neighbors; he said they will
8/6/2019	113	Stone Creek Sub Div	Pre-Con Meeting	In Progress	UIC	Yes	Verbal Warning	Pre-con meeting; phase 2 of stone creek subdiv; spoke about dust control issues and complaints received from neighbors; will inspect in the next couple weeks
8/7/2019	202	Rivers Edge Phase 21	Compliant Investigation	In Progress	UIC	Yes	Verbal Warning	Complaint received; sediment tracking out on to mount washington; spoke to the project manager Chris; he will have a construction entrance installed and the street cleaned today
8/14/2019	213	SFR on Overlook Dr	Compliant Investigation	In Progress	UIC	Yes	Verbal Warning	Compliant Investigation; concrete wash in the ROW from being washed out near curb; spoke to GC (Nick) about removing material; he will have it removed next week; reinspect a week from Monday
8/14/2019	204	2289 NW Putnam Dr	Follow-up Inspection	In Progress	UIC	Yes	Verbal Warning	Follow-up inspection; spoke with builder about sediment washing away from property; requested that he sweep up sediment deposits down the street and stabilize his slopes; asked him to notify me when work has been completed and/or he has a plan
8/14/2019	44	Shevlin Bluffs	Compliant Investigation	In Progress	UIC	Yes	None	Complaint received from Mat; Flooding has occurred on his property and the surrounding neighbors; pictures have been taken of the event; ESC are also needed on vacant lots; spoke with Troy and Travis to see if we can install water bars in ROW to divert water to catch basins; will meet with Jeremy from skylight homes
8/16/2019	214	61424 Cultus Lake Ct	Compliant Investigation	In Progress	UIC	No	None	Street has been cleaned and site has added stabilization and sediment controls
8/16/2019	137	Lodges at Bachelor View	Compliant Investigation	In Progress	UIC	Yes	None	Erosion off lots led to flooding over the last weekend; multiple concerned citizens called; will have to talk to the developer to get mess cleaned up and the lots further stabilized; email sent to Justin requesting clean-up and further stabilization with reference to NOV in December
8/16/2019	44	Shevlin Bluffs	Follow-up Inspection	In Progress	UIC	Yes	None	Met with Jeremy to discuss solutions for drainage and esc issues; he has dug a 3 foot deep trench along bottom of last lot; sediment fencing has been installed along upper lots; discussed installation of water bars; will inform Mat of any decisions made
8/19/2019	137	Lodges at Bachelor View	Email	In Progress	UIC	No	None	Justin emailed informing me that the road and SW facilities will be cleaned out this week; wants to set up a meeting for Friday to discuss this project and the process moving forward.
8/23/2019	215	NW Shevlin Park Rd before Shevlin Park	Compliant Investigation	Open	River/Surface Waters	No	None	City ROW has erosion of ditch line drainage that may be leading in to Tumalo creek; evident during thunderstorms; will bring this up with SW operations to see if ditch maintenance can be done to fix erosion issues

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Date	Site ID #	Site Name (Location)	Type of Action	Status	Drainage	Education Info Provided	Enforcement Taken	Case Progress/Comments
8/23/2019	137	Lodges at Bachelor View		In Progress	UIC	Yes	None	Wendy, Chris H, and Sean met with Justin , Todd , and Brett ; discussed erosion and sediment control and what is expected from TNW and developer going forward; reviewed that its City Standard to stabilize slopes and to hold developer/contractor responsible till stabilization is held through warranty period; Notice of Violation was referenced to show original violation and that its held effective to warranty bond is released.
8/27/2019	216	3143 NW Shevlin Meadow Dr	Compliant Investigation	Open	UIC	Yes	None	Call with Steve; spoke of neighbor's drainage into his yard; will visit SFR development and research building inspection status; will need to provide education if still under construction
8/27/2019	209	Pacific Crest Middle Soccer Fields	Routine Inspection	In Progress	UIC	No	None	Routine Inspection; tracking is minimal; slopes have stayed stabilized through rain events; will check back in a couple weeks
8/27/2019	204	2289 NW Putnam Dr	Compliant Investigation	In Progress	UIC	Yes	None	Spoke with neighbor regarding erosion issues from SFR construction; erosion and sediments continue to be an ongoing issue; he is concerned about the ditch line being filled in with sediment; will contact builder to find out when ESC improvements will be made
9/4/2019	204	2289 NW Putnam Dr	Phone Call	In progress	UIC	Yes	Verbal Warning	Spoke with Builder; he said that he is waiting for the gas company to finish before he stabilizes the slopes; large stockpile of sediment next to road; I told him that he needs to have erosion and sediment controls up so that he doesn't get another slope failure in addition to having his stockpile wash away; I notified him of the storm that we may potentially get tomorrow
9/6/2019	204	2289 NW Putnam Dr	Follow-up Inspection	In Progress	UIC	Yes	Verbal Warning	Complaint from 3rd different neighbor; Slope failure on property and sediments in ROW; multiple warnings have been given to builder; NOV to be issued
9/9/2019	204	2289 NW Putnam Dr	Email	In Progress	UIC	Yes	NOV Issued	NOV issued; messaged David on 9/12 to warn him of the potenial rain this upcoming weekend
9/12/2019	216	3143 NW Shevlin Meadow Dr	Compliant Investigation	Open	UIC	Yes	None	Met with on-site; showed me failed retention pond and drain rock filled in with sediment; voicemail from builder and he has plans to install gutters; will check back with him on date planned and request that he also cleans drainage rock from property
9/12/2019	201	Arena Acres	Compliant Investigation	In Progress	UIC	Yes	Verbal Warning	Dust compliant; spoke with Wade; he says they are watering 24/7 with a water bar; drive by and verified; mike called the customer back
9/13/2019	217	Greenwood and Harriman St	Compliant Investigation	Open	UIC	Yes	Verbal Warning	Spoke with Builder regarding sediment pile in ROW; told him about the regulation prohibiting him from discharging sediment into the stormdrain; he said he'd get it cleaned up early next week; warned him about the rain the weekend; he tarped it and cleared gutterline in the meantime
9/13/2019	108	Butler Crossing Subdivision	Compliant Investigation	In Progress	UIC	Yes	None	Complaint call; spoke with homeowner about drainage issues from neighbor behind; both houses are no longer in construction; told her that this is a civil dispute with her neighbor

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Date	Site ID #	Site Name (Location)	Type of Action	Status	Drainage	Education Info Provided	Enforcement Taken	Case Progress/Comments
9/17/2019	218	1264 NE Jones Rd	Compliant Investigation	Open	UIC	Yes	None	neighbor complained about runoff and sediment coming into her yard; I called her neighbor to see if they can alter drainage to not go into neighbors yard; he said that he'd talk to Habitat for Humanities to see if they can fund it; said that she be willing to pay for it; I told that she should go talk to and see if they can arrange something
9/24/2019	220	1778 NW 12th St	Phone Call	Open	UIC	Yes	None	Spoke with regarding erosion issues from property above his house; he has already spoke with David B regarding potential fixes by the City; I will give him a call on Firday to take a look at his property
9/24/2019	219	20583 Painters Ct	Phone Call	Open	UIC	Yes	None	Spoke with about erosion issues from neighbor; informed him that it's a civil issue and that he should speak to his neighbor before taking legal action
9/25/2019	221	Shire Ln	Phone Call	Open	UIC	Yes	None	Spoke to regarding inlet protection not being maintained; flooding risk; will contact builder Friday morning
9/25/2019	204	2289 NW Putnam Dr	Routine Inspection	In Progress	UIC	No	None	Slope did not fail with recent rains; seems like stormwater is being diverted to retention area; will check back next week
9/25/2019	169	NW Potts Ct	Routine Inspection	In Progress	UIC	No	None	Buildings are being built; no current ESC issue
9/25/2019	90	Black Pines Subdivision	Routine Inspection	In Progress	UIC	No	None	No current ESC issues; 3 homes have been finished
9/27/2019	221	Shire Ln	Compliant Investigation	In Progress	UIC	Yes	Verbal Warning	Spoke with the Project Manager for MonteVista Homes; All homes are on a private street; told him about the complaint regarding plugged catch basins; he will take care of it.
9/27/2019	220	1778 NW 12th St	Compliant Investigation	In Progress	UIC	Yes	None	City ROW eroding driveway approach; will discuss with SW crew to see if water bars or berms can be installed to disperse water; spoke with homeowner
9/30/2019	135	OB Riley Rd Elementary School	Follow-up Inspection	In Progress	UIC	Yes	None	Follow-up inspection to see if facilities are holding up; catch basin on the NE corner of site is not functioning as intended and road base is eroding away; emailed Jay and Travis to see if we can have it fixed
10/1/2019	222	The Grove	Pre-Con Meeting	Open	UIC	Yes	None	Pre-grading meeting; meet with TNW Project Manager (Alex) and Sunwest builders; ESCs have already been installed; sed fening around entire perimeter; inlet protection and const entrance to spec; will check up next week
10/8/2019	224	Canal Commons	Compliant Investigation	Open	UIC	Yes	Verbal Warning	Spoke with Foreman CJ (Alex Hodge Construction) regarding dust complaint; watering truck is know on-site; will schedule a meeting tomorrow morning
10/8/2019	223	20800 Sockeye Pl	Pre-Con Meeting	Open	UIC	Yes	None	Met with Cory for onsite pre-grading meeting; ESCs have already been installed correctly; will reinspect in a couple weeks
10/9/2019	225	Empire Extension	Routine Inspection	Open	UIC	Yes	None	Met with Bret and Tom regarding the empire extension and the relation with Canal Commons; Tom will keep an eye out for any issues with Canal Commons: Empire extension has their ESCs up
10/9/2019	224	Canal Commons	Routine Inspection	In Progress	UIC	Yes	None	Met onsite; Alex or Cj were not there; walked site and called Alex; he claims that he'd have all the ESCs up by tomorrow per plan 19-1798 (C-2). I told him that I'd inspect on Friday. I also brought up that he needs to be using a water truck if they're making dust. He said that it wouldn't be an issue since they have that water service set up now.

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Date	Site ID #	Site Name (Location)	Type of Action	Status	Drainage	Education Info Provided	Enforcement Taken	Case Progress/Comments
10/11/2019	228	SE Corner of Milwaukee Ave and Knoxville Blvd	Compliant Investigation	Open	UIC	Yes	None	Complaint call regarding concrete wash going into public catch basin. Created CSR for clean-up. Will determine who was the contractor and follow up with enforcement and education.
10/11/2019	227	5th St Townhomes	Pre-Con Meeting	Open	River/Surface Waters	Yes	None	Pre-con meeting; discussed ESC installation before clearing and grubbing; Plan is to start site work by the tuesday; will inspect when Adam gives me a call
10/11/2019	226	Education Foundation on Lolo Dr	Pre-Con Meeting	Open	UIC	Yes	None	Pre-con meeting; discussed ESC installation before clearing and grubbing; Plan is to start site work by the 23rd of Oct; will inspect when Alex gives me a call
10/12/2019	222	The Grove	Follow-up Inspection	In Progress	UIC	No	Verbal Warning	Follow-up Inspection; No work on-site, tracking has been swept up; will check back later this week; construction entrance still needs maintenance
10/14/2019	228	SE Corner of Milwaukee Ave and Knoxville Blvd	Phone Call	In Progress	UIC	Yes	Verbal Warning	Spoke with Betty (CG Brothers); she claims that a new employee had an accident that led to the discharge; I will be sending CG Brothers a service charge invoice after City crews clean catch basin and street. I spoke with field Manager Jose and we will meet tomorrow for education and enforcement information
10/15/2019	230	15th and Ferguson	Compliant Investigation	In Progress	UIC	No	None	EIPD project not finished; swale showing signs of erosion
10/15/2019	229	37 Franklin Ave	Final Inspection	In Progress	UIC	No	None	1 year warranty inspection; everything looks good
10/15/2019	228	SE Corner of Milwaukee Ave and Knoxville Blvd	Follow-up Inspection	In Progress	UIC	Yes	Verbal Warning	Met with Jose to provide educational pieces along with explaining to him the impacts of concrete wash in the drywell; drywell cleaned; concrete had to be jack hammered our of drywell; Invoice to be created by Travis and sent over to me
10/15/2019	228	SE Corner of Milwaukee Ave and Knoxville Blvd	Email	In Progress	UIC	Yes	Code Compliance	Created utility service bill to Betty; warning that escalated enforcement will be taken if concrete spill were to happen again
10/15/2019	225	Empire Extension	Follow-up Inspection	In Progress	UIC	Yes	None	Spoke to Tom about tracking out of their entrance; told him to make sure to have it cleaned up if it get bad
10/15/2019	224	Canal Commons	Follow-up Inspection	In Progress	UIC	Yes	None	Follow-up inspection; ESCs are installed per plan; they have a water truck onsite; reminded them to watch tracking out on to Butler Market; will check back next week
10/15/2019	106	Brooksmill Phase 2	Final Inspection	In Progress	UIC	No	None	1 year warranty inspection; SW MH lids need to meet spec; vegetation might be needed on the planter strip
10/16/2019	227	5th St Townhomes	Routine Inspection	In Progress	River/Surface Waters	Yes	None	initial ESC installation iinspection; met with Adam to walk site; sed fence installed per plan besides the high side near the street; Adam and his crew will installed sed fencing on the North Side once water and sewer are installed; his crews will sweep daily
10/16/2019	216	3143 NW Shevlin Meadow Dr	Phone Call	In Progress	UIC	Yes	None	Called reporting that had cleaned the drain rock in his front yard; has not installed gutters and downspouts yet; I emailed building to see if they could do anything about the situation
10/17/2019	232	69 Newport Ave	Pre-Con Meeting	Open	River/Surface Waters	Yes	None	Precon meeting; reviewed ESCs and concerns regarding drainage, dust control, and tracking
10/17/2019	231	NW 8th St (next to Hillside Park)	Pre-Con Meeting	Open	UIC	Yes	None	Precon meeting; reviewed ESCs and concerns regarding drainage, dust control, and tracking; they are planning on shortening the project by a couple lots, removing the fire line access path this creating less of an erosion concern; will see if we can install a swale to capture runoff before hitting the paved road

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Date	Site ID #	Site Name (Location)	Type of Action	Status	Drainage	Education Info Provided	Enforcement Taken	Case Progress/Comments
10/17/2019	224	Canal Commons	Pre-Con Meeting	In Progress	UIC	Yes	None	Precon meeting; reviewed ESCs and concerns regarding drainage, dust control, and tracking
10/18/2019	222	The Grove	Follow-up Inspection	In Progress	UIC	Yes	Verbal Warning	Sediment tracking complaint; spoke with Alex and he said that he'd get a sweeper out immediately and add more rock to the entrance; will check back on Tuesday
10/18/2019	216	3143 NW Shevlin Meadow Dr	Follow-up Inspection	In Progress	UIC	No	None	Follow-up inspection; drain rock in yard has been cleaned; called to discuss plans to address drainage; he plans to have gutters installed within a month; I explained how he's liable for all cleanup related to erosion issues coming off his property
10/18/2019	44	Shevlin Bluffs	Follow-up Inspection	In Progress	UIC	No	None	Catch basin installation has been completed; drainage issue is officially closed
10/25/2019	146	Forum Westside (Old Ray's)	Compliant Investigation	In Progress	UIC	Yes	Verbal Warning	Dust complaint call from neighbor; called Tracy and requested that he manage the dust and that if I get enough dust complaints that we'll have to create a dust management plan
10/29/2019	222	The Grove	Follow-up Inspection	In Progress	UIC	No	None	Current construction is not active; tracking does not seem to be an issue; construction entrance in good condition
10/29/2019	169	NW Potts Ct	Routine Inspection	In Progress	UIC	No	None	Landscaping construction in progress; do not see a source for SW concern; will reinspect in a couple weeks
10/29/2019	146	Forum Westside (Old Ray's)	Follow-up Inspection	In Progress	UIC	No	None	Dust complaints received . Site visit to observe dust issue; observed construction activity for 25mins; dust seems to be minimal; will speak to Tracy with CS Construction again if observed dust is significant
11/12/2019	227	5th St Townhomes	Compliant Investigation	In Progress	River/Surface Waters	Yes	Verbal Warning	Dust Complaint from neighbor; made site visit and talked with Adam about dust control; he has a watering truck in use; I mentioned that a dust complaint was made and for him to take extra precaution with dust control; gave Chris a call back to notify him that i had spoken to the contractor
11/12/2019	204	2289 NW Putnam Dr	Routine Inspection	In Progress	UIC	No	None	routine inspection to see how slope work is progressing; drainage work in progress; retention area seems to be worked on; will check back in a couple weeks
11/12/2019	146	Forum Westside (Old Ray's)	Compliant Investigation	In Progress	UIC	No	None	emailed again regarding dust; observed Forum work and did not notice any enforceable dust issue
11/15/2019	146	Forum Westside (Old Ray's)	Email	In Progress	UIC	Yes	None	emailed again regarding dust; I emailed him back to please take any pic/video documentation in order for me to enforce; he says that he does not have a camera that's good enough to take photo; will check up on Forum if needed
11/19/2019	233	Reed Ln and Blakely	Phone Call	Open	UIC	Yes	None	Spoke with Luke from Latham; he will install ESCs on Wed and start grading
11/20/2019	234	15th and Murphy Roundabout	Compliant Investigation	Open	UIC	Yes	None	Dust complaint from Roats waterline install near 15th Roundabout project; Called Bill he says that the rain will help reduce dust issue and that if he creates dust that he can get his water truck out there
12/24/2019	236	West Hills Cottages	Final Inspection	Open	UIC	No	None	INFR final inspection; private streets; public infr does not have stormwater; slopes above project need to be watched
12/24/2019	231	8th and Trenton	Routine Inspection	Open	UIC	Yes	None	Initial ESC inspection; Sediment fencing installed per plan properly; construction entrance is currently sufficient but could be longer if need be; asked Kyle (contractor) if he could confirm with engineering tree protection before starting grading

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Date	Site ID #	Site Name (Location)	Type of Action	Status	Drainage	Education Info Provided	Enforcement Taken	Case Progress/Comments
1/31/2020	237	Reed Lane Apartments	Routine Inspection	In Progress	UIC	No	None	Inspected the site on 1/31/2020, All public utilities, curbs and sidewalks have been installed, road base is 2" below finish grade and waiting on asphalt pavement. Inlet protection was installed on all of the catch basins.
1/31/2020	235	8th and Trenton	Routine Inspection	Open	UIC	No	Verbal Warning	Performed a site inspection on 1/31/2020. There was no activity at the site, only a couple pieces of equipment parked in the excavation area. Curb has been removed and the construction entrance covered by ¾" gravel. Inlet protection on the downstream catch basin was in good condition. The construction entrance needs maintenance and the road swept. I Called and spoke with Kyle on 2/3/2020 and discussed the construction entrance, He is installing water line onto the property in the same location as the entrance. He will replace the entrance after the waterline gets installed this week.
1/31/2020	232	69 Newport Ave	Routine Inspection	Open	River/Surface Waters	No	Verbal Warning	Performed a site inspection on 1/31/2020. The contractor installed two silt fences between the project site and River. The lower silt fence, halfway down the bank was not buried or backfilled. The upper silt fence on the Southwest corner looked to be in good working condition. There were no visible signs of erosion along the river bank. The stockpile in the northwest corner has some potential for erosion. I spoke with the Forman/Excavator about this stock pile and He was going to remove it later today, using it as backfill for the recently constructed footing.
1/31/2020	227	5th St Townhomes	Routine Inspection	In Progress	River/Surface Waters	No	None	Inspected the site on 1/31/2020, no active construction is happening. All utilities, curbs and sidewalks are installed, road base is 3" below finish grade and just waiting on asphalt pavement. Inlet protection should be installed on the new catch basins, but not likely to be an issue until the road gets paved.
1/31/2020	222	The Grove	Routine Inspection	In Progress	UIC	No	None	Inspected the site on 1/31/2020, the contractor was pouring concrete footings and installing unground utilities. Most of the site had an excavated trench along the perimeter. Silt fence was installed and in fair condition, construction entrance looked good and there was no ESC corrections needed at the time of inspection.
1/31/2020	169	NW Potts Ct	Routine Inspection	In Progress	UIC	No	Verbal Warning	Overall the site was in good condition, final landscaping has been installed on the south side of the project. There was a small amount of erosion on the NE corner where the silt fence was pulled back for the installation of some concrete stairs. One inlet was not protected near the job shack. I spoke with the Forman about the two issues. Photos show some rock in the roadway but it was unclear if it was construction related or cinder from winter road operations, but the road should be swept weather permitting. All parking areas are curb and rocked. They are still working on foundations for the last couple of buildings.
2/3/2020	238	Neff Place II	Routine Inspection	In Progress	UIC	No	None	Walked the site on 2/3/2020, the silt fence has been properly installed around the perimeter, construction entrance is located off a paved access/power sub-station access. Inlet protection has been installed along Crushing Drive, overall the sites ESC's are in good condition and no corrections are needed at this time.

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Date	Site ID #	Site Name (Location)	Type of Action	Status	Drainage	Education Info Provided	Enforcement Taken	Case Progress/Comments
2/3/2020	224	Canal Commons	Routine Inspection	In Progress	UIC	Yes	None	This site has allot of activity from several separate projects including a City CIP project. Overall there was no sign of erosion leaving the site, with some minor tracking onto Thornhill Drive but it looked like the road had been swept recently. The construction entrance may need some fresh rock.
2/3/2020	212	New High School off 15th	Routine Inspection	Open	UIC	No		Walked the site on 2/3/2020, there was no evidence of erosion leaving the site. The large graded sports field area drained to a couple small sedimentation ponds. There was no silt fence installed along the perimeter. The construction entrance was working, they created a large gravel parking area with multiple job shacks. Surrounding streets did not have inlet protection, I need to locate the ESC plan to see what was required.
2/3/2020	146	Forum Westside (Old Ray's)	Routine Inspection	In Progress	UIC	No	Verbal Warning	Project is in the final stages of construction. Utilities, curbs and sidewalk have been installed. Parking areas is graveled and ready for pavement. Silt fence on the east side of property is falling down and deteriorated, there was no inlet protection for the onsite catch basins. Recommend removing damaged silt fence and replacing only at the locations that is eroding near the CS job trailer. Some of the sand bag holding the fence are rotted and leaking sand. Overall the side is stable and there was no signs that erosion was leaving the site.
2/20/2020	241	Maricopa Arms	Routine Inspection	Open	UIC	No	None	Project was just getting started, equipment was brought onto the site and trees cut down but no grading/ESC installed yet. Will need to check back next week make sure they get silt fence up and entrance installed.
2/20/2020	240	62800 IMBLER Dr	Compliant Investigation	Open	UIC	Yes	None	SFR site with no ersion controls and a drirt berm over the curb. Sent email to contrator on 2/20, The contractor replied and said they will get it cleaned up by 2/26.
2/20/2020	239	630 NE DALTON ST	Routine Inspection	In Progress	UIC	YEs	None	Tracking issues, entrance was not up to standards. Emailed contractor requesting the entrace be upgraded and street cleaned by 2/28/2020.
2/20/2020	231	NW 8th St (next to Hillside Park)	Routine Inspection	Open	UIC	Yes	None	The site looked very good, construction entrance has been re-installed after the water line was installed onsite and silt fence was in place. No corrections are needed at this time. Still have some erosion issues coming off the parks trails adjacent to the project site.
2/27/2020	242	(Outcrop) NW Reserve Camp Ct.	Pre-Con Meeting	Open	UIC	No	None	Request they call fro ESC inspection.
2/27/2020	241	Maricopa Arms	Routine Inspection	Open	UIC	No	None	Inlet protection and construction entrance has been installed.
3/13/2020	244	Shevlin West Subdivision	Routine Inspection	Open	UIC	No	Verbal Warning	City staff met onsite with Fredrick from Oregon DEQ, to evaluate if a 1200C permit was needed. During the site inspection there was some minor tracking and inlet protection missing on a couple catch basins. City staff emailed the project manager, requesting the road be cleaned and additional inlet protection be installed
3/13/2020	242	(Outcrop) NW Reserve Camp Ct.	Routine Inspection	Open	UIC	No	None	This was the first inspection for the site, two construction entrances have been installed, along with silt fence and tree protection. Some minor tracking on the lower entrance, but overall the site looked good. There was no activity on the site during this inspection.

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Date	Site ID #	Site Name (Location)	Type of Action	Status	Drainage	Education Info Provided	Enforcement Taken	Case Progress/Comments
3/16/2020	243	OSU Landfill Redevelopment	Compliant Investigation	Open	UIC	Yes	Verbal Warning	A concerned neighbor is worried about dust coming off the OSU/Landfill redevelopment project. City staff researched the site, determining that the is currently under a State issued Permit. City staff forwarded photos to the State Inspector and the Project manager. City staff also provided the project manager with a copy of Bend Code Title 16.
3/23/2020	244	Shevlin West Subdivision	Follow-up Inspection	Open	UIC	No	None	The corrections requested during the last inspection have been addressed. The access road is slightly dirty, but overall the project looked to be doing a good job controlling erosion.
3/23/2020	241	Maricopa Arms	Routine Inspection	Open	UIC	No	None	City staff inspected the site, but no work was occurring at the time. Contraction entrance has been installed and overall no erosion issues where observer. Inlet protection was also in good condition.
3/23/2020	232	69 Newport Ave	Routine Inspection	Open	River/Surface Waters	No	None	This a small site that is very busy, the east building is going vertical and west building footings have been backfilled. Overall the site looked to be in fair condition, the construction entrance has been removed so utilities can be installed. The parking area in the middle of the site is almost entirely gravel now.
3/23/2020	231	NW 8th St (next to Hillside Park)	Routine Inspection	Open	UIC	No	None	City staff inspected the site, but no work was occurring at the time. Curbs have been poured and silt fence and construction entrance looked to be operational. Overall the site looked pretty good, and no corrections are needed.
3/23/2020	227	5th St Townhomes	Routine Inspection	Open	UIC	No	None	This infrastructure work is completed, but the onsite work still remains. Overall the site is flat and stable, but given the lack of vegetation there is a potential for dust issues. City staff will continue to monitor the site.
3/23/2020	210	Luderman Crossing	Routine Inspection	Open	UIC	No	None	Phase 1 infrastructure is complete and the roads have been installed. Work is starting on phase 2 now, there was a small amount of tracking onto the new asphalt. An onsite water truck was doing a good job keeping the dust down. Overall the site is in acceptable condition. Staff did not have a vest or hard hat, so they did not enter the site, but will follow up with contractor to make sure inlet protection has been installed on the new stormwater facilities.
3/23/2020	113	Stone Creek Sub Div	Routine Inspection	Open	UIC	Yes	Verbal Warning	There was some tracking on this site, the construction entrance has been removed and looked to be prepped for base rock. Some material was getting tracked out onto the street. City staff will follow-up with an email and photos.
3/25/2020	225	Empire Extension	Routine Inspection	Open	UIC	No	None	Inspected the construction entrance and there was no sign of tracking.
3/25/2020	224	Canal Commons	Routine Inspection	Open	UIC	No	None	Inspected the construction entrance and there was no sign of tracking.
3/25/2020	222	The Grove	Routine Inspection	Open	UIC	No	None	Inspected the perimeter and construction entrance only. I did not go onsite, but overall the site looked to be in good condition with no tracking. There is still site work/ utility work taking place, they had an open trench across NW Crossing Dr.

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Date	Site ID #	Site Name (Location)	Type of Action	Status	Drainage	Education Info Provided	Enforcement Taken	Case Progress/Comments
3/25/2020	212	New High School off 15th (Caldera High School)	Routine Inspection	Open	UIC	No	None	Some work was still taking place, but site grading has been completed. There was no signs of tracking issues at this time and overall the site looked to be in good condition from my perimeter inspection.
3/25/2020	169	NW Potts Ct	Routine Inspection	Open	UIC	No	None	Site work is mostly complete and most the activity is now taking place inside the buildings. No tracking was observed and the project perimeter looked to be stable. I did not inspect on site due to social distaining.
3/25/2020	151	20901 Cooley Rd	Routine Inspection	Open	UIC	No	None	The site perimeter looked to be in good condition, no signs of tracking.
3/25/2020	146	Forum Westside (Old Ray's)	Routine Inspection	Open	UIC	No	None	Most the work taking place on the site is now on the interior. The parking lot is still gravel, and there are a few small stock piles on site. No tracking was observed, I did not go onsite to inspect inlet protection.
3/25/2020	137	Lodges at Bachelor View	Routine Inspection	Open	UIC	No	None	All site work has been completed, several homes are occupied. There is only one single family home under construction at this time. The slopes on the site looked to be stable, they have installed silt fence check dams perpendicular on the steepest sloped section. Site looked to be holding up well.
3/26/2020	247	Les Schwab Tire Center	Pre-Con Meeting	Closed	UIC	No	None	Right of way work to begin first week in May for sewer line work.
3/26/2020	246	Partners in Care Inc Hospice House 2611 NE COURTNEY DR	Pre-Con Meeting	Closed	UIC	No	None	ROW work is schetduled to begin in about a month out, onsite work to start next week.
3/26/2020	245	476 NE DEKALB AVE	Pre-Con Meeting	Closed	UIC	No	None	ROW work is schetduled to begin on the 30th.
3/31/2020	248	Petrosa Round About	Pre-Con Meeting	Closed	UIC	No	None	Stll waiting on final documetns to be uploaded. Work would start paving tomorrow, closing butlter market on Thursday.
4/1/2020	210	Luderman Crossing - Phase 1 Complete	Final Inspection	Closed	UIC	No	Verbal Warning	The site had some tracking Issues and the pond slopes need stabilized. Since the project is in the process of developing a final punch list, I sent the needed corrections to the Engineering inspector, Jason so He can include the issue in the punch list.
4/2/2020	249	478 SE RAILROAD ST (CNG Gas Main Installation)	Pre-Con Meeting	Open	UIC	No	None	CGN Gas line replacement project off of 9th Street. Project start date on 4/20.
4/6/2020	238	Neff Place II	Routine Inspection	Closed	UIC	No	None	Site looked good, the project is very flat with limited erosion potential. No tracking issues, the silt fence was still up around the entire perimeter.
4/6/2020	221	Shire Ln	Final Inspection	Closed	UIC	No	None	Project is completed, no additional inspection are needed.
4/6/2020	218	1264 NE Jones Rd	Final Inspection	Closed	UIC	No	None	Project is completed
4/6/2020	201	Arena Acres	Routine Inspection	In Progress	UIC	No	None	Site work has been completed and all utilities, curb and streets have been installed. The individual lots need stabilized. There is not inlet protection on the new basins, and old silt fence remains but is not functional. A single home has been built but no other work is taking place at this time. Work is on hold due to a Eagles nest near project, work should resume in June.

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Erosion and Sediment Control Inspection Tracking Log

Date	Site ID #	Site Name (Location)	Type of Action	Status	Drainage	Education Info Provided	Enforcement Taken	Case Progress/Comments
4/6/2020	197	Home2 Suites	Routine Inspection	In Progress	UIC	Yes	Verbal Warning	Rough grading has been completed, most of the site is now gravel. They are working on footings and building utilities. They have pushed gravel overtop the sidewalk to protect the curb. Inlet protection should be installed on the adjacent catch basin and a wood ramp installed.
4/6/2020	192	SE Holiday Inn	Compliant Investigation	Closed	UIC	No	None	Most of the work is now focused on interior finishes. Final grading has been completed, but the parking area has not been paved. Overall the site is stable with no sign of tracking or erosion leaving the site.
4/8/2020	250	925 NW ROANOKE AVE	Routine Inspection	Closed	UIC	No	None	Site looked good, they has silt fence installed on the downhill side and construction entrances at both ends of Quincy Dr.
4/8/2020	243	OSU Landfill Redevelopment	Routine Inspection	Closed	UIC	Yes	None	No dust was visible today. No City permits have been issued, the project is permed by Oregon DEQ.
4/8/2020	204	2289 NW Putnam Dr	Final Inspection	Closed	UIC	No	None	This project is completed, all of the homes have been completed and landscaping installed.
4/8/2020	200	Black Oak and Beall	Final Inspection	Closed	UIC	No	None	This project is completed, all of the homes have been completed and landscaping installed.
4/8/2020	198	1609 SW Chandler Ave	Routine Inspection	Closed	UIC	No	None	Most the grading has been completed, the parking lot is gravel and crews were working on the building exterior. ROW utility work looks to have been completed and the roadway has been patched. They installed silt fence along the north property line, the site was in good overall condition.
4/8/2020	90	Black Pines Subdivision	Routine Inspection	In Progress	UIC	No	Verbal Warning	The construction entrance looked good, a small section of silt fence needs reinstalled. City staff will email a photo to the builder and request the correction.
4/8/2020	53	The Pointe	Routine Inspection	In Progress	River/Surface Waters	No	Verbal Warning	Lots of tracking and not inlet protection on private catch basins. The silt fence between the river and project site looked to be in ok condition.
4/13/2020	251	Outpost 44	Compliant Investigation	Closed	UIC	Yes	Verbal Warning	Dust Complaint received on Friday. Inspected the site this morning around 10 am. No dust was occurring at this time, but the entire lot was bare dry soil. Staff emailed JRS Forman requesting additional watering effort and inlet protection be installed on the new street.
4/16/2020	252	20800 SOCKEYE PL Brian's Cabinets	Pre-Con Meeting	Closed	UIC	No	None	C ROW work is starting on 4/20/2020
4/21/2020	232	69 Newport Ave	Compliant Investigation	Open	River/Surface Waters	Yes	Verbal Warning	Silt fence needs re-installed and the construction entrance additional rock. Sent email request to the Forman on the project. Will re-inspect next week.
4/21/2020	232	69 Newport Ave	Follow-up Inspection	Open	River/Surface Waters	No		Staff inspected the site, silt fence had not been repair/re-installed.
4/28/2020	113	Stone Creek Sub Div	Compliant Investigation	Open	UIC	No	Verbal Warning	A sediment ramp was being used on White Tail St (phase II). No inlet protection on grated catch basins and curbside inlets. City staff did not speak with anyone onsite. Sent an email and photos on 4/29/20. Inlet protection and the ramp were priority. Tracking on Brosterhaus improved since last inspection. Compliance requested by end of week. Will follow up later this week.
4/29/2020	164	Element Hotel (Portland and Wall)	Email	Open	UIC	No	None	I emailed Mike to introduce myself and update him on the complaint we received. I inquired about landscaping phase. Will follow up after this afternoon's inspection.

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Erosion and Sediment Control Inspection Tracking Log

Date	Site ID #	Site Name (Location)	Type of Action	Status	Drainage	Education Info Provided	Enforcement Taken	Case Progress/Comments
4/29/2020	164	Element Hotel (Portland and Wall)	Compliant Investigation	Open	UIC	No	None	Inspection presented various issues with ESC and potential safety hazards in ROW. An email was sent to Kyle to update him on ROW issues. ESC compliance priorities included: sediment fence and perimeter control repairs/maintenance, inlet protection to be installed on-site, tracking issue from entrance - requested on-site rock construction entrance, and desposited sediment on the sidewalk in NE corner of site. I have not heard from Mike. Will track down responsible person.
4/30/2020	232	69 Newport Ave	Follow-up Inspection	Closed	River/Surface Waters	No	None	Silt fence has been re-installed and rock added to entrance. The site is now fully compliant.
4/30/2020	164	Element Hotel (Portland and Wall)	Phone Call	Open	UIC	Yes	Verbal Warning	I called Michael to intruduce myself and discuss ESC. He said they have "all the resources to correct items" and the timeframe we outline will be met. I forwarded email with corrective actions and timeframe of end of day Friday. Will inspect fixes next week.
4/30/2020	113	Stone Creek Sub Div	Phone Call	Open	UIC	No	None	I called Wade to confirm receipt of email sent on 4/29/20. Wade confirmed that he got it and his forman is working on fixes. Wade is headed out to site today to confirm. I will stop by site tomorrow if I don't hear from Wade.
5/1/2020	113	Stone Creek Sub Div	Follow-up Inspection	Closed	UIC	Yes	Verbal Warning	passed along a Dust Complaint. I informed Wade of complaint and requested compliance by this weekend. Wade responded by expalining they are mitigating dust from rock crushing (primary source) and unstable soil. I followed up with public complaintant. Also, I visited site to follow up on ramp and inlet protection. Sediment ramp is removed and witches hat installed on inlet pictured. I took photos of tracking on Brosterhous rd. No follow up planned at this time.
5/5/2020	250	925 NW ROANOKE AVE	Routine Inspection	Open	UIC	Yes	Verbal Warning	Observed tracking and sediment storage on roadway from water utility work being implmented along 9th. Asked forman for clean up by the end of the work day. Jay was also on-site and noted the issue with tracking. Sediment fence installed on downhill side in decent condition. Rocked entrance to quincy was good. Curb cut along Roanoke might warrant rock check dams to dissapate any concentrated flow coming from Roanoke to 9th. Will follow up by end of week.
5/5/2020	235	8th and Trenton	Routine Inspection	Open	UIC	No	None	Road looked to be ready for final pavement. 3/4" gravel appeared to still be inplace with no 3-6" rock pad entrance, however, gravel looked to be ready for pavement. No inlet protection on on-site UIC. I will call Kyle to mention inlet protection.
5/5/2020	164	Element Hotel (Portland and Wall)	Follow-up Inspection	Open	UIC	No	None	Found no action taken. I will follow up with Michael this week.
5/6/2020	250	925 NW ROANOKE AVE	Phone Call	Open	UIC	No	None	Kyle said they will be cleaning up sediment tracking at the end of everyday until water utility phase completed.
5/6/2020	235	8th and Trenton	Phone Call	Open	UIC	No	None	I called Kyle to mention inlet protection need. No pavement is planned until they can connect to waterline after restrictions lift from pandemic. Low risk due to 6" height between gravel and inlet.

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Erosion and Sediment Control Inspection Tracking Log

Date	Site ID #	Site Name (Location)	Type of Action	Status	Drainage	Education Info Provided	Enforcement Taken	Case Progress/Comments
5/6/2020	164	Element Hotel (Portland and Wall)	Phone Call	Open	UIC	Yes	Verbal Warning	I called Michael to confirm receipt of email sent last week. He confirmed and said that he has the excavating company (located in Pendleton) on it. He will send pics of work completed. I will follow up next week.
5/6/2020	164	Element Hotel (Portland and Wall)	Email	Open	UIC	Yes	Verbal Warning	I emailed Michael to follow up verbal warning.
5/11/2020	253	102 NW RIVERSIDE	Compliant Investigation	Open	UIC	No	Verbal Warning	Spoke with the owner/builder regarding the complaint. Noted tracking on the ROW. Asked for cleanup, removal of broken gravel bags by inlet, and berm to prevent runoff from site. Will follow up with an inspection later this week.
5/11/2020	250	925 NW ROANOKE AVE	Follow-up Inspection	Open	UIC	No	None	Tracking and sediment storage on roadway had been removed. 3/4" gravel installed to stabilize soil along waterline portion of 9th st. (larger rock would have been preferable). Asked Kyle to place large rock as a berm along driveway entrance to prevent water from the street entering the project. A construction rock entrance similar to the one used on Quincy. I called Kyle to ask him to remove the sediment from the witches hat as the overflow notches were almost breached. Will follow up later this week when we have received rainfall.
5/11/2020	164	Element Hotel (Portland and Wall)	Follow-up Inspection	Open	UIC	Yes	Verbal Warning	On-site inlet protection had been installed. All other concerns remain; sediment fence repair, tracking at sidewalk entrance, and loose sediment on sidewalk/roadway. Further enforcement may be necessary if sediment fence is not resolved. I emailed Michael explaining remaining tasks and potential for enforcement. I will follow up after Wednesday.
5/11/2020	90	Black Pines Subdivision	Routine Inspection	Open	UIC	No	None	Construction entrance looked good, however, there was minor tracking evident. Will request that the ROW is swept.
5/11/2020	53	The Pointe	Routine Inspection	Open	River/Surface Waters	No	None	The silt fence needs some attention. Sediment stock piles need perimeter control. Some homes have landscaping in place, others look to be close to finish. Will reach out to forman.
5/12/2020	237	Reed Lane Apartments	Routine Inspection	Open	UIC	No	None	Tracking on Reed Ln. is evident, will ask for it to be swept and rock construction entrance install. Will follow up with contractor once tracked down.
5/12/2020	233	Reed Ln and Blakely	Routine Inspection	Open	UIC	No	None	Sediment fence installed improperly and removed in some locations. Tracking was evident on new roadway, will ask for it to be swept. No on-site inlet protection. Large stockpile of native topsoil is a secondary concern that may warrant tackifier. Neighbor stopped by and provided dust complaint. Contractors have begun home construction with one home built and foundations of others being constructed. Will follow up with the responsible party once tracked down.
5/12/2020	90	Black Pines Subdivision	Email	Open	UIC	No	Verbal Warning	Emailed to request that the ROW is swept and cleaned at the end of each work day.
5/12/2020	53	The Pointe	Email	Open	River/Surface Waters	Yes	Verbal Warning	Emailed Jessica to request the sediment fence repair and stockpile containment. I will follow up next week once I hear from Jessica.

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Erosion and Sediment Control Inspection Tracking Log

Date	Site ID #	Site Name (Location)	Type of Action	Status	Drainage	Education Info Provided	Enforcement Taken	Case Progress/Comments
5/13/2020	237	Reed Lane Apartments	Email	Open	UIC	Yes	Verbal Warning	I emailed Luke to inform him of tracking and lack of rock construction entrance. Will follow up next week.
5/13/2020	233	Reed Ln and Blakely	Email	Open	UIC	Yes	Verbal Warning	I emailed Luke to inform him of sediment fence, inlet protection, and dust complaint. Will follow up next week.
5/13/2020	164	Element Hotel (Portland and Wall)	Follow-up Inspection	Closed	UIC	No	None	City staff inspected repairs and found the project to be in compliance.
5/14/2020	255	339 SW CENTURY DR. - PTC	Pre-Con Meeting	Closed	UIC	No	None	Luke is main sub and will be starting in a couple weeks once they can get across Century Dr.. I asked for 1) inlet protection on all catch basins and 2) area designated for concrete washout away from SW facilities. Luke will call when inlet protection is installed.
5/14/2020	254	Discovery West Ph 2A-2B	Pre-Con Meeting	Closed	River/Surface Waters	No	None	Mobilization will begin with clearing/grubbing next week. Stormwater beginning of June; Sewer to Road work until August; Stormwater facilities begin mid August; Sub Contractors at end of August. No ESC Plan documented. Dust control with water truck will be on-site; they can do hydro seeding/tackifier if needed, but not expecting issue. Inlet protection will be installed. Entrance is non-issue for ROW (long gravel entrance). Perimeter control is minimal; maybe silt fence on south side. Robert will schedule initial inspection.
5/14/2020	90	Black Pines Subdivision	Email	Open	UIC	No	None	Ryan emailed and confirmed sweeping. The excavator is also aware of clean up during haul days. If no photo provided will stop by next week.
5/15/2020	248	Petrosa Round About	Routine Inspection	Open	UIC	No	None	Water trucks were on-site and dust control appeared to be adequate. Inserts in catch basins need maintenance/clean out while curb side bio-bags need cleaning. Sediment fence adjacent to Deschutes Market Rd. needs to be trenched/backfilled. Entrance on Eagle is not an issue now, but will monitor. Will remind superintendent of clean out/ maintenance for inlet protection and ask for proper install on sediment fence. Will follow up next week.
5/15/2020	247	Les Schwab Tire Center	Routine Inspection	Open	UIC	No	None	On-site grading was underway. The pavement entrance was being removed. No inlet protection on ROW catch basins/ drill holes. No perimeter control in place. Will monitoring entrance for BMP install and tracking; currently not an issue. Spoke with Chad regarding inlet protection on Burnside and 3rd st. Asked for perimeter control on SW corner. Will follow up next week to check work and monitor entrance.
5/18/2020	250	925 NW ROANOKE AVE	Follow-up Inspection	Open	UIC	No	None	Some erosion apparent on driveway will some 3/4" rock transported to ROW/inlet protection on catch basin. Kyle said he cleaned catch basin last week and will continued to monitor. They will be paving/replacing driveway once water is tested. Mentioned tracking on Quincy. I will follow up with Kyle regarding clean up of tracking.
5/18/2020	237	Reed Lane Apartments	Follow-up Inspection	Open	UIC	No	None	Tracking issue and entrance unresolved. I reminded Luke of issue. He said they are on it.
5/18/2020	233	Reed Ln and Blakely	Follow-up Inspection	Open	UIC	No	Verbal Warning	Noticed no change with silt fence, inlet protection, and additional tracking near home with foundation being constructed. Dust non issue at this time due to recent precip. Luke said he asked his guys to take care of last week. I mentioned tracking issue. Will follow later this week to confirm progress.

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Erosion and Sediment Control Inspection Tracking Log

Date	Site ID #	Site Name (Location)	Type of Action	Status	Drainage	Education Info Provided	Enforcement Taken	Case Progress/Comments
5/19/2020	272	2375 NW MAJESTIC RIDGE DR.	Compliant Investigation	Closed	UIC	No	None	Follow-up inspection after speaking with complainant; erosion coming from irrigation valve box; eroding near retaining wall; I explained that City ROW isn't impacted nor is it impacting the issue; recommended that a building contractor inspect damage to wall.
5/19/2020	257	20865 REDSIDE CT.	Initial Inspection	Open	UIC	No	None	I noticed biobag inlet protection on grated catch basin, a sediment ramp in the ROW, tracking from non-rocked entrance, and no sediment fence. The ESC plan called for all elements. I will track down contact this week.
5/19/2020	256	Shevlin Multi-Family	Initial Inspection	Open	UIC	No	None	As requested by Latham, we performed an initial inspection. Inlet protection and rock entrance installed. Sediment fence being installed along perimeter; will check install on Shevlin Hixen Dr. next week. Luke confirmed that a 1200 C permit was obtained. Will coordinate with Fredrick at DEQ if anything comes up.
5/19/2020	253	102 NW RIVERSIDE	Follow-up Inspection	Closed	UIC	No	None	ROW looked to have been cleaned. No issues evident.
5/19/2020	248	Petrosa Round About	Routine Inspection	Open	UIC	No	None	Eagle entrance did not appear to have any tracking or runoff coming off site. I spoke with Eric and informed him that site looked stable from last week's visit. Asked for inlet protection clean out/maintenance at catch basins and silt fence trenching/blackfill. Eric said he will get right on it. Will follow up next week. Jake is the primary contractor for this site also. He said silt fence had been repaired during 5/22/20 site visit at Petrosa Sub.
5/19/2020	247	Les Schwab Tire Center	Follow-up Inspection	Open	UIC	No	None	No inlet protection on ROW catch basins/ drill holes. No perimeter control in place. Straw wattles staged. Paved entrance removed, no rock entrance, tracking with turbid runoff going towards 3rd. Left a voicemail for Chad to mention entrance tracking issue. Will follow up this week.
5/19/2020	113	Stone Creek Sub Div	Routine Inspection	Closed	UIC	No	None	The entrance on Brosterhous that had previously caused tracking issues has been paved. No tracking issue. No follow up planned at this time.
5/19/2020	53	The Pointe	Follow-up Inspection	Closed	River/Surface Waters	No	None	Sediment stock pile had silt fence and wattle. Other silt fence looked to be repaired. No follow up planned at this time.
5/20/2020	257	20865 REDSIDE CT.	Phone Call	Open	UIC	Yes	Verbal Warning	I emailed Mike addressing concerns. He called to confirm items including removal of sediment ramp, inlet protection replacement, construction entrance, and temporary removal of sediment fence to access utilities. He said Jared from Engineering approved everything (pre-grading must have taken place before I came onboard). He'll have it done in 24 hrs. I will follow up next week.
5/21/2020	258	Sockeye to Stevens	Pre-Con Meeting	Closed	UIC	No	None	Asked for ESC plan. They will be following notes on plan set. I asked for inlet protection in areas with active construction. Start time unknown; no follow up planned.
5/21/2020	251	Outpost 44	Routine Inspection	Open	UIC	No	None	Noticeable tracking on Ross Rd. and Boyd Acres Rd. Rock construction entrance installed. Will ask for ROW to be swept and cleaned up daily this week.

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Erosion and Sediment Control Inspection Tracking Log

Date	Site ID #	Site Name (Location)	Type of Action	Status	Drainage	Education Info Provided	Enforcement Taken	Case Progress/Comments
5/21/2020	247	Les Schwab Tire Center	Follow-up Inspection	Open	UIC	No	None	Straw wattles installed along SW corner. No equipment on-site. Sediment deposition along burnside from entrance. Spoke with Chad and he said inserts ordered don't fit catch basins, will be installing new ones when they get them. He was going to install under over pass, but I said plans only call for protection at burnside and 3rd. Rock construction entrance will be installed before next phase when equipment is coming back on-site. He said they swept up before leaving site. I asked if he would notify me once they have entrance in.
5/22/2020	259	Petrosa Sub. Ph 1 & 2	Initial Inspection	Closed	River/Surface Waters	Yes	None	Jake met us on-site. Entrance to site is Butler off of Dicky Rd. from the east. Silt fence appeared to be installed in correct locations per plan and was installed correctly. Dust control in place. Pavement should be in place by October for Ph1&2.
5/22/2020	254	Discovery West Ph 2A-2B	Initial Inspection	Open	River/Surface Waters	No	None	Robert called to notify me that only silt fence that exists is the portion at toe slope of sewer work to be completed. He said other areas did not warrant fence since they aren't grading to edge of top slope though they would install more should we want it. SFR contractors will be doing that eventually. I walked perimeter draining towards park and noticed bare soil/lack of understory on slope. Inlet protection installed except for two catch basins on Blodgett Way. Rock construction entrances are not long enough. Will ask Robert to extend aggregate on entrances eventually, add inlet protection, and utilize silt fence when approaching top of slope. Will follow up with him next week.
5/22/2020	251	Outpost 44	Phone Call	Open	UIC	No	Verbal Warning	Left a voicemail for Jared requesting clean up of tracking on Ross Rd. Will follow up nex week.
5/22/2020	242	(Outcrop) NW Reserve Camp Ct.	Routine Inspection	Open	UIC	No	Verbal Warning	Noticed tracking on Shevlin Rd. so performed routine inspection. No perimeter control or silt fence along corner of Shevlin and Reserve Camp Ct. Biobags had quite a bit of sediment/debris accumulation. Spoke with Jeremy on-site and requested clean up of inlet protection, and rock construction entrance should tracking on Shevlin proceed. He said they're sweeping everyday. Couldn't find ESC plan. Will follow up next week.
5/27/2020	256	Shevlin Multi-Family	Follow-up Inspection	Closed	UIC	No	None	Inspected the silt fence on the Shevlin Hixon Dr. toe slope. The fence was correctly installed and was already retaining sediment. Clearing began on the slope adjacent to the silt fence. We spoke with Luke about cleaning up the tracking at the main entrance that looked to be from vehicle traffic to the side of the rock construction entrance. He said trucks are temporarily accessing side because of removal of fill in front of rock pad. Will monitor tracking issue.
5/27/2020	250	925 NW ROANOKE AVE	Follow-up Inspection	Open	UIC	No	None	I visited tracking on Quincy. I spoke with someone from Kyle's team regarding the tracking and asked for keeping everything swept. Base rock was being applied to Quincy.
5/27/2020	242	(Outcrop) NW Reserve Camp Ct.	Follow-up Inspection	Open	UIC	No	None	Still debris/sediment around inlet protection near Shevlin Rd. on Reserve Camp. Entrance on Shevlin Rd. still looked to be in use and tracking evident. Will follow up with Jeremy this week.
5/29/2020	257	20865 REDSIDE CT.	Follow-up Inspection	Open	UIC	No	None	Sediment ramp removed. Inlet protection and rock construction entrance still not in compliance. Sean (excavator on-site) said that he will correct issue ASAP. I said I will follow up next week.

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Date	Site ID #	Site Name (Location)	Type of Action	Status	Drainage	Education Info Provided	Enforcement Taken	Case Progress/Comments
5/29/2020	244	Shevlin West Subdivision	Routine Inspection	In Progress	UIC	No	None	There was tracking, inlet protection missing, and incorrect inserts being used in some CBs. Called Corey on 6/3 to ask for correct inlet protection and routine cleaning of McClain. Extension on McClain ready for pavement. Will follow up next week to confirm progress.
5/29/2020	242	(Outcrop) NW Reserve Camp Ct.	Follow-up Inspection	Open	UIC	Yes	Verbal Warning	Still debris/sediment around inlet protection. Tracking has intensified. Sent an email to Jeremy asking for maintenance on bio bags, rock construction entrances, and proper sweeping of roadways. Will follow up with Jeremy next week.
5/29/2020	137	Lodges at Bachelor View	Final Inspection	Closed	UIC	No	None	Infrastructure has been completed. Many graded lots remain without homes. Erosion and sediment deposition evident. David is emailing Jay to place items on punch list.
6/1/2020	242	(Outcrop) NW Reserve Camp Ct.	Email	Closed	UIC	No	None	Jeremy provided pictures of work progress and installation of BMPs. Will monitor tracking issue. No follow up planned at this time.
6/1/2020	233	Reed Ln and Blakely	Follow-up Inspection	In Progress	UIC	No	Verbal Warning	No change in silt fence or inlet protection. Tracking improved. Some evidence of erosion and sedimentation near canal and remaining silt fence. I emailed Luke asking for compliance by Wednesday of this week. Will follow up later in the week.
6/2/2020	254	Discovery West Ph 2A-2B	Email	Closed	River/Surface Waters	No	None	Robert provided pictures of corrected items and clarification. Will monitor project progress in coming weeks. No follow up planned at this time.
6/2/2020	250	925 NW ROANOKE AVE	Compliant Investigation	Closed	UIC	No	None	Complaint received mentioning gravel on 12th st (9th st). Gravel appeared to originate from the site near the driveway after runoff along 9th jumped behind the curb. Issue had been cleaned up. Curb is installed and paving is scheduled soon, base rock is in. Tracking on Quincy improved. Asked Kyle to remove gravel from insert on 9th and Portland. They were performing work as we left. No follow up expected at this time.
6/2/2020	241	Maricopa Arms	Routine Inspection	In Progress	UIC	No	None	Catch basin and base rock installed, with curb being poured when we arrived. Silt fence was in fine shape. Sedimentation of drill hole evident. Spoke with Peter on 6/3 to ask for cleaning of roadway and drill hole and for inlet protection. Will follow up in next couple weeks.
6/2/2020	210	Luderman Crossing	Routine Inspection	In Progress	UIC	No	None	The site had tracking issues. Slope along Lincoln Ln., sediment against curb, and access road (paved road with gravel on top) to Phase 2 presents a challenge. Pond slopes appeared to be stabilized with tackifier. Construction entrances were not in compliance. New catch basins with inlet protection had build up of debris/sediment. No inlet protection on private catch basins nearest existing development on southern boundary. Spoke with Jake on 6/3 and asked for cleanup of tracking on Phase I and sediment removal and inlet protection maintenance on Lincoln, specifically. I mentioned that construction entrances were not in compliance. He said primary entrance on Reed Market is delayed 3 weeks. We will discuss plan for Lincoln paved/gravel entrance, rest of inlet protection maintenance, private catch basin inlet protection, and construction entrances during our site visit next week. Reference ESC Plan before visit for silt fence install above pond and "after grading".

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Date	Site ID #	Site Name (Location)	Type of Action	Status	Drainage	Education Info Provided	Enforcement Taken	Case Progress/Comments
6/2/2020	201	Arena Acres	Routine Inspection	In Progress	UIC	No	None	A few more foundations being installed. Work has resumed. Inlet protection in place and performing well (see pictures). Quite a bit of sediment accumulation from weekend's storm around curbside catch basins with protection. Source unidentified. Volunteer vegetation established. Spoke with Wade on 6/3 to ask for roadway to be swept. He said they are just getting back into Phase I and will take care of in next day or two. Phase II has issues being resolved and is delayed. Will follow up in the coming weeks.
6/3/2020	260	Conners Ave. Medical Office Building	Initial Inspection	In Progress	UIC	No	None	City staff inspected site after noticing sediment on Conners Ave.. Improper inlet protection on catch basins and full of debris/sediment. No inlet protection on drill hole, water and oil sheen visible. Construction entrance installed, however, rill erosion from entrance behind curb down Conners. No perimeter control and evidence of erosion/runoff from roof drains. Sediment on neighbors property and near private catch basins. Building up, parking area being worked on by excavator. Will reach out this week to see where they are in project and ask for measures to keep sediment on site.
6/3/2020	257	20865 REDSIDE CT.	Follow-up Inspection	Closed	UIC	No	None	All items addressed. No follow up planned.
6/4/2020	262	Winco Foods River Mall	Pre-Con Meeting	Closed	UIC	No	None	Work scheduled for week of the 15th. All work scheduled within Shop Co. and utility easements.
6/4/2020	261	Luderman Sidewalks	Pre-Con Meeting	Closed	UIC	No	None	Project is part of 15th st corridor improvement and Desert Woods and will be completed within 145 days starting June 10th. City staff commented on concrete washout area to be designated and away from SW facilities.
6/4/2020	259	Petrosa Sub. Ph 1	Pre-Con Meeting	Open	River/Surface Waters	No	None	David and I inspected silt fence installation in May with Jake on-site. City staff asked for inlet protection once the catch basins are installed on-site. Will inspect construction entrance once work on 350 ft section on Eagle is paved in coming weeks. Also commented on dust control.
6/5/2020	260	Conners Ave. Medical Office Building	Follow-up Inspection	In Progress	UIC	No	None	City staff returned to site to collect more information. Inlet protection had been removed. Owner of adjacent apartments stopped by and said that access/parking area of apartments floods frequently. He had contacted the City. INFOR has a work order for cleanup and infiltration test on both drill holes. Will follow up with contractor to talk about items.
6/5/2020	222	The Grove	Routine Inspection	In Progress	UIC	No	None	City staff inspected the perimeter of the project. Tracking evident. Inlet protection on catch basin on Ordway Rd. had sediment/debris in and around it with water remaining in witches hat. Will follow up next week with David on-site.
6/5/2020	198	1609 SW Chandler Ave	Routine Inspection	In Progress	UIC	No	None	City staff walked the northern perimeter of the site. No erosion observed, however, sediment deposits against curb. Curb upslope from project site appeared to be swept. Concrete washout (wet) against sidewalk with signs of runoff to catch basins. Catch basin had grey/white water. Will follow up next week with David on-site.
6/9/2020	243	OSU Landfill Redevelopment	Routine Inspection	Closed	UIC	No	None	City staff checked northern portion of site for hydroseeding application and could not verify if measures had been taken.

City of Bend (FY2019-20)

Erosion and Sediment Control Inspection Tracking Log

Date	Site ID #	Site Name (Location)	Type of Action	Status	Drainage	Education Info Provided	Enforcement Taken	Case Progress/Comments
6/9/2020	222	The Grove	Follow-up Inspection	In Progress	UIC	No	None	City staff noticed fugitive dust from site. Tracking an issue on the western entrance. Construction entrance has filled in with sediment. Gravel material in ROW near chain link fence. Will call Jim and follow up with email to ask for maintenance on construction entrance, cleaning of roadway and inlet protection and removal of material in ROW. Will see what dust control measures they are implementing.
6/9/2020	210	Luderman Crossing	Follow-up Inspection	In Progress	UIC	Yes	Verbal Warning	City staff inspected the site and found no progress since the last correspondence with Jake. Jake did not meet us on-site. Wind was transporting dust from the large stockpile on Lincoln. Will follow up with email to Jake for corrections below and plan for stockpile.
6/9/2020	198	1609 SW Chandler Ave	Follow-up Inspection	In Progress	UIC	Yes	Verbal Warning	City staff discussed items to request of contractor. Emailed Blake to notify contractor of proper concrete washout and inlet protection.
6/10/2020	260	Connors Ave. Medical Office Building	Phone Call	In Progress	UIC	Yes	Verbal Warning	City staff spoke with Joe regarding erosion on-site. Joe mentioned the neighbor had walked the site with him and Joe is resolving roof drain runoff with berm along perimeter. I asked if he would refresh rock on entrance to reduce at corner of entrance. Will monitor that issue specifically during storms this week. Will follow up with inspection to check on progress next week. Did not ask for inlet protection, called Travis to check on status of drill hole maintenance.
6/10/2020	241	Maricopa Arms	Follow-up Inspection	In Progress	UIC	No	None	No one was on-site during inspection. No work performed on drill hole issue. Emailed Peter on 6/12 to follow up and check on the status.
6/10/2020	233	Reed Ln and Blakely	Follow-up Inspection	In Progress	UIC	No	None	City staff inspected silt fence repairs. Some areas not trenched/backfilled properly. Called Luke on 6/11/20 to request additional repairs. Will follow up.
6/10/2020	212	New High School off 15th (Caldera High School)	Routine Inspection	Open	UIC	No	None	City staff walked perimeter of project site. Most of the project site has reached final grade with the building and roads nearing completion. Water trucks were on-site. Concrete washout slurry pit was near entrance and appeared to be serving it's purpose. New road along western and northern perimeter was clean and in good condition.
6/11/2020	264	Campbell Sewer Extension	Pre-Con Meeting	Closed	UIC	No	None	Extending sewer and water with some asphalt restoration. Project should be wrapped up in 3 weeks. No comments, or initial inspection was scheduled due to nature of work being performed.
6/11/2020	263	Marken Summit	Pre-Con Meeting	Closed	UIC	No	None	Clearing and grubbing starts tomorrow. Construction entrance has been installed. Inlet protection will be installed. Sediment fence to be installed prior to grading. Final stabilization will be tackifier per plan and follow COB standards. Some confusion regarding hydroseed requirement vs. tackifier. Greg said fill slope will be concern and that seed and wattles can be installed after talking with developer. Silt fence will remain. Mass grading through July, pavement down first week of November. Greg will call me once silt fence is installed for initial inspection.

City of Bend (FY2019-20)

Erosion and Sediment Control Inspection Tracking Log

Date	Site ID #	Site Name (Location)	Type of Action	Status	Drainage	Education Info Provided	Enforcement Taken	Case Progress/Comments
6/16/2020	265	2289 PUTNAM RD.	Compliant Investigation	Closed		Yes	Verbal Warning	City staff responded to a complaint from neighbor re: sediment in ROW. Building being constructed. Access road up hillside was main source identified. Owner said that the access road would not be an issue moving forward and vegetation will be promoted. I informed him of our performance standards and followed up with the complainant. No follow up planned at this time.
6/16/2020	244	Shevlin West Subdivision	Follow-up Inspection	In Progress	UIC	No	None	City staff noticed correct inlet protection. McClain extension has been paved (some sediment desposited from previous activities). No inlet protection on new catch basins to swales. Clearing underway on-site. Will perform site visit with DB tomorrow to inspect on-site work and then follow up with Corey.
6/16/2020	201	Arena Acres Phase I	Follow-up Inspection	Closed	UIC	No	None	City staff inspected the roadway and found improvement. PM for Palisch or Hayden came to talk with us and said that Phase II will be underway in coming weeks. Construction entrances not installed on Phase I yet. Will monitor site in coming weeks.
6/17/2020	273	2429 NW SACAGAWEA LN.	Compliant Investigation	In Progress	UIC	No	None	Follow-up inspection after speaking with complainant; neighbor's driveway to the west provides runoff from roof/patio that is eroding complainant property near retaining wall; met complainant on-site and encouraged working with neighbor, or exploring county mediation process; did not speak with neighbor.
6/17/2020	250	925 NW ROANOKE AVE	Final Inspection	Closed	UIC	Yes	None	City staff attended meeting between CDD inspectors/engineers and Kyle (excavator). Slope south of new road will be hydroseeded/tackified. Minor slope near intersection will also be stabilized. Asked for inlet protection on new catch basin. No follow up planned.
6/17/2020	244	Shevlin West Subdivision	Initial Inspection	In Progress	UIC	No	None	City staff inspected on-site work. Initial clearing underway. Construction entrance is installed. Some minor tracking evident. County/City transition will be something to monitor. Will follow up in coming week.
6/18/2020	266	Bend High School - Sewer Extension	Pre-Con Meeting	Closed	UIC	No	None	Small off-site sewer extension project adjacent to a gravel road. Asked for notification once inlet protection is installed. Starting next week.
6/18/2020	260	Connors Ave. Medical Office Building	Follow-up Inspection	Closed	UIC	No	None	City staff inspected entrance erosion and found issue to be resolved. Down spout erosion issue was resolved according to Joe. Prep for parking lot was being completed when on-site. No seidment on roadway. No inlet protection, however, COB stormwater will be perofrming infiltration testing and possible reconditioning on drill holes. No follow up planned at this time.
6/23/2020	248	Petrosa Round About	Routine Inspection	Closed	UIC	No	None	City staff inspected inlet protection maintenance. Inlet protection appered to be in good condition.
6/23/2020	225	Empire Extension	Routine Inspection	In Progress	UIC	No	None	Curb and pavement was installed with some portions being installed closer to the roundabout at 27th. Exposed bare soil at bridge abutments did not have any sediment control. Spoke with Sinclair on 6/29 to have contractor address sediment control and silt fence repair.
6/23/2020	224	Canal Commons	Routine Inspection	Closed	UIC	No	None	City staff inspected the entrance and areas abutting the Empire Ext. project. Site looked good.

City of Bend (FY2019-20)

Erosion and Sediment Control Inspection Tracking Log

Date	Site ID #	Site Name (Location)	Type of Action	Status	Drainage	Education Info Provided	Enforcement Taken	Case Progress/Comments
6/23/2020	222	The Grove	Follow-up Inspection	In Progress	UIC	Yes	Verbal Warning	City staff inspected items previously requested. Tracking and lack of maintenance on western entrance. Requested that road be swept and maintenance performed. Will follow up on Friday.
6/24/2020	256	Shevlin Multi-Family	Routine Inspection	In Progress	UIC	No	None	Silt fence still appeared to be in decent condition. Some tracking evident. Slope cuts being excavated. Water truck operating when on-site. NTP on INFR permit received; will coordinate with foreman to set up inspection.
6/24/2020	255	339 SW CENTURY DR. - PTC	Routine Inspection	In Progress	UIC	No	None	City staff spoke with the Foreman, Steve, as the utilities were being connected across Century. No inlet protection on catch basins down slope. Steve said he would install on basins to north. Asked for roadway to be swept. Slope on entry to building footprint may become issue. Small footprint, no construction entrance. Will monitor.
6/24/2020	252	20800 SOCKEYE PL Brian's Cabinets	Routine Inspection	In Progress	UIC	No	None	One building established, with drywell installed, and utilities being connected. Inlet protection installed (not witches hats). Tracking evident from unrocked entrance. Will contact Corey to understand what the plan is for the entrance with existing asphalt.
6/24/2020	198	1609 SW Chandler Ave	Follow-up Inspection	Closed	UIC	No	None	City staff inspected perimeter. Inlet protection installed. More wet concrete like substance near original area. I spoke with Blake on-site and requested that no further washout take place near catch basin. I also requested that sediment against curb be cleaned up. Will follow up next week.
6/25/2020	270	Rivers Edge Phase 19 & 20	Pre-Con Meeting	Closed	UIC	No	None	Grading being performed. Wattles and fence installed. Water trucks on shifts. Will perform initial inspection next week.
6/25/2020	269	693 SE GLENWOOD DR. Industrial	Routine Inspection	In Progress	UIC	No	None	City staff noticed some tracking from site, no perimeter control, and concrete washout near private drive sloping towards catch basins on Glenwood. Spoke with Bruce since Mark is out of town. He said he will forward email to Corey (their contractor for project) to resolve items. No ESC plan.
6/25/2020	268	Bend High School - Alden Ave. Remodel	Routine Inspection	Closed	UIC	No	None	City staff inspected and spoke with the foreman and project managers. Found no inlet protection, silt fence, or entrance per ESC plan that we reviewed in their office. Silt fence was proposed at top of slope and entrance is unlikely as they are working on area and site was small. Tracking not an issue. Asked for inlet protection. No follow up planned.
6/25/2020	267	Carmen Loop	Routine Inspection	In Progress	UIC	No	None	No one was on-site during inspection. No inlet protection on catch basin with sediment on ROW of Carmen Lp. No construction entrance, but minimal tracking. No perimeter control on south side. Bio bags installed on curbside CB on American. Will find foreman and ask for inlet protection (proposed in upcoming permit), ROW swept clean and perimeter control (in plan set) after understanding project phasing better. 6/26 phone call with Matt - he will get right on it. I will stop by next week.
6/25/2020	261	Luderman Sidewalks	Routine Inspection	Closed	UIC	No	None	Crushing work being performed between Twin Lakes and King. Proper inlet protection used. Wattles along perimeter as needed. Site looked good. No follow up planned.
6/25/2020	249	478 SE RAILROAD ST (CNG Gas Main Installation)	Routine Inspection	In Progress	UIC	No	None	City staff spoke with foreman regarding lack of inlet protection on drill holes and catch basins. He said he will install inlet protection. He said he will be here through July crossing 9th then paving restoration. Will monitor when they move onto 9th street.

City of Bend (FY2019-20)

Erosion and Sediment Control Inspection Tracking Log

Date	Site ID #	Site Name (Location)	Type of Action	Status	Drainage	Education Info Provided	Enforcement Taken	Case Progress/Comments
6/25/2020	245	476 NE DEKALB AVE	Routine Inspection	Closed	UIC	No	None	City staff checked status of project and found drywell and sed manhole installed. No one on-site during visit. Small site. No issues at this time.
6/25/2020	222	The Grove	Email	Closed	UIC	Yes	Verbal Warning	Jim emailed to explain that the entrances were both being paved next week; tracking to improve. Taylor NW washed the entrance and cleaned tracking. I said that Title 16 calls for dry sweeping, provided education, and asked for dry sweeping moving forward.
6/25/2020	210	Luderman Crossing	Follow-up Inspection	In Progress	UIC	Yes	Verbal Warning	No one on-site during visit. Utilities appeared to be staked and base rock poured on Phase II. Tracking worsened on Ph I but from SFR lots. Concrete washout with apparent runoff to catch basin. Inlet protection appeared to be maintained. Asked Ian for immediate attention and resolution of tracking and concrete washout. Ian said they're on it. Will follow up next week.
6/25/2020	113	Stone Creek Sub Div	Routine Inspection	Closed	UIC	No	None	City staff walked the perimeter of the phases under warranty that about the current phased construction. Inlet protection in grated catch basins, minimal tracking evident at construction entrance, and rocked entrance in decent condition. Will monitor tracking, dust, and entrance moving forward.
6/26/2020	271	Goodrich Park	Compliant Investigation	In Progress	UIC	Yes	None	Utility dept referral of tracking on 8th st. Clearing and grubbing taking place. Rock entrance in poor condition. Silt fence not trenched, however, good buffer currently in place. Dust control in place. Site uses gravel road (Quimby) to access 8th st. Asked Sean for fresh rocked entrance to prevent additional tracking. Will follow up in coming weeks to check on other ESC.
6/26/2020	263	Marken Summit	Compliant Investigation	Closed	UIC	Yes	None	Clearing and grubbing in progress. Prepping for blasting. Dust complaint received, water truck on-site. Multiple entrances being used; one rocked entrance. Some tracking from water truck. Sediment fence in decent condition but needs to be extended in areas. Inlet protection not installed and improper insert used. Mike said fence and proper inserts are coming. Will keep access to rocked entrance. Dust from skidding logs; was difficult to control dust. Done skidding. He will call when ESC install/repairs complete.
6/30/2020	263	Marken Summit	Compliant Investigation	Closed	UIC	Yes	None	Another dust complaint received. Spoke with Mike on-site. He said they were blasting this morning and loading trucks with duff layer. Water truck was watering. Spoke with water truck operator and reminded that entrance was to be used. Additional tracking. Will follow up next week to inspect items below.

CESCL Training

Certified Erosion and Sediment Control Lead

What is it?

A training to obtain a 3-year certification for erosion and sedimentation control. There is a classroom day and a field day requirement for certification.

DUE TO COVID-19, the field day (day 2) will be offered at a later date not yet determined. A certification cannot be issued without the field day, but you'll be half-way there! You will be notified when the field training is scheduled.

Why do I need this training?

For construction projects over 1 acre in size, a CESCL-certified person is required by Oregon and Washington.

When is it?

Monday, June 29th, 2020
9am- 5pm

Where is the training?

Online using the zoom app

How do I register?

Go to k2-env.com/training.html

How much does it cost?

It's free!

Questions?

Email: ali@k2-env.com

Call: 541-706-0405



UTILITY DEPARTMENT



K2 ENVIRONMENTAL

City of Bend CESCL Certification

Attendee List -

Day 1 - 6/29/20 -

Name	Company	email	phone
Dustin Herman	BWI	dherman@bwidrilling.us	541-777-7340
Paul Kevin Bays	City of Bend	kbays@bendoregon.gov	(541) 797-4092
Kelby Harding	HP Civil	kelbyh@hpcivil.com	(971) 209-5542
Morgan Otley (Christie)	Otley Excavation Co. LLC	otleyexcavation@gmail.com	(541) 788-8551
Joel Murphy	Summit Axis LLC	joel.murphy@summitaxis.net	(541) 391-9383
Matthew Williams	C A Rowles Engineering	matt@carowles.com	(541) 585-2207
Louis de Jager	Hamilton	ldejager@hamil.com	(720) 467-3528
Sinclair Burr	City of Bend	sburr@bendoregon.gov	(541) 330-4018
Sam Rossi	City of Bend	srossi@bendoregon.gov	(541) 419-8733
Ryan Johnson	BWI	rjohnson@bwidrilling.us	(541) 977-9707
Gail Bloom	Tim Bloom Construction, Inc	gail@bloomconstructioninc.com	(541) 948-0584
Taylor Blevins	Skanska	taylor.blevins@skanska.com	(541) 233-3950
Hans Rindfleisch	Skanska USA Building, Inc	hans.rindfleisch@skanska.com	(541) 499- 7693
Josh Smith	Rock S.	Josh@rocksupremacy.com	(541) 383-7625
Corey Muir	Rock S.	corey@rocksupremacy.com	(541) 383-7625
Jeff Bason	Rock S.	jeff@rocksupremacy.com	(541) 383-7625
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Behrooz		behroozpakzadeh@gmail.com	(702) 606-6553
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Tanner Barichio	HP Civil Inc.	tbarichio160@gmail.com	(503) 769-2466
Larry Stott	James E John	lstott@jejohn.com	(503) 867-3061
Lane Weidman		lanekweidman@gmail.com	(541) 639-7122
Jacob Struck	Skanska	jacob.struck@skanska.com	
Jason Biever	Skanska	jason.biever@skanska.com	

CESCL Workshop Evaluation Summary

Date: June 29th, 2020



UTILITY DEPARTMENT

The CESCL Certification was hosted virtually due to social distancing requirements related to the COVID-19 Pandemic. Twenty five attendees participated in a one day virtual instruction where the traditional classroom format of the certification process was provided. The traditional field portion of the certification was also held virtually with 11 attendees participating on day one and 4 attendees on day two. Of the 15 that attended both sessions, 9 attendees completed an evaluation form. All received evaluations are summarized below.

1. INTRODUCTION AND GOALS				
1	2	3	4	5
			11%(1)	88%(8)

2. WHAT IS EROSION				
1	2	3	4	5
				100%(9)

3. EROSION AND SEDIMENTATION PROCESSES				
1	2	3	4	5
			33%(3)	67%(6)

4. REGULATORY REQUIREMENTS				
1	2	3	4	5
			45%(4)	56%(5)

5. STORMWATER POLLUTION PREVENTION PLANS (SWPPs)				
1	2	3	4	5
			45%(4)	56%(5)

6. ACTIVITY – DRAW 13 ESC ELEMENTS ON A JOB SITE				
1	2	3	4	5
		11%(1)	22%(2)	67%(6)

7. BEST MANAGEMENT PRACTICES (BMPs)				
1	2	3	4	5
			22%(2)	77%(6)

8. MONITORING, RECORDING, RECORD KEEPING				
1	2	3	4	5
	11%(1)		44%(4)	44%(4)

9. ACTIVITY – DAY 1 REVIEW				
1	2	3	4	5
			8%(1)	92%(12)

10. ACTIVITY - QUIZ				
1	2	3	4	5
			11%(1)	89%(8)

11. ACTIVITY – MOCK SWPPP INSPECTION				
1	2	3	4	5
		22%(2)	22%(2)	56%(5)

12. ACTIVITY – JEOPARDY REVIEW				
1	2	3	4	5
			44%(4)	56%(5)

13. ACF WEST PRESENTATION				
1	2	3	4	5
11%(1)		22%(2)	11%(1)	56%(5)

Comments:

- Great class, my internet was the hard part.
- This was such a great training! You both went above and beyond! Can't wait to take the refresher!
- Thanks for making it fun
- Great class! Thank you!
- This Has Been a great class , I have seen the other CESCL preform these tasks on many projects but was not aware of all the items that was involved in the their jobs. Overall learned a lot during the course. If there is a quick reference guide or standard templates that we could use, that would be very helpful.
- Liked Kevin with ACF presentation, to some degree though it felt like a sells pitch for their products.
- Jopardy was fun, I ended up losing the guest speaker due to my internet, was able to get back in though. I really like the online learning, it is harder to stay focused though.
- Ali did a great job explaining the BMP's

StormwaterONE

Acknowledges that

Gwendolyn Edde

has successfully completed the
Stormwater Training Program to become a

Certified Erosion and Sediment Control Lead

8 PDHs

Topic Covered:

- Definitions, Acronyms and Resources
- CESCL Re-Certification Intro
- SWPPP Risk Management
- SWPPP Inspection Review
- BMP Performance
- Tackling a Subdivision
- Low Impact Development (LID)



Completion Date: 09/28/2019

Expiration Date: 09/27/2022

Certificate Number: c188aae4

A handwritten signature in black ink that reads "Andrew Demers".

Andrew Demers, President

Tuesday, April 14th

<p>9:00 AM – 10:00 AM Zoom Webinar (Tues)</p>	<p>Opening Plenary</p> <ol style="list-style-type: none"> Welcome to the Virtual Conference Hye Yeong Kwon, <i>Executive Director of the Center for Watershed Protection, Inc.</i> A Word from the City of Austin, Texas Mayor Steve Adler, <i>City of Austin, TX</i> (PENDING CONFIRMATION) Mike Personett, <i>City of Austin, TX, Watershed Protection Department</i> 		
<p>10:00 AM – 10:15 AM <i>Zoom Webinar (Tues)</i></p>	<p>Transition 1: Ad Break Ecotone, Inc. Apex Companies, LLC</p>		
<p>10:15 AM – 11:15 AM</p>	<p>Concurrent Sessions 1</p>		
<p>Zoom Room 1 (Tues)</p>	<p>Zoom Room 2 (Tues)</p>	<p>Zoom Room 3 (Tues)</p>	<p>Zoom Room 4 (Tues)</p>
<p>Watershed Planning & Implementation (I)</p>	<p>Stream Restoration (I)</p>	<p>The Green Economy (I)</p>	<p>Stormwater Management</p>
<p><u>Moderator & CWP Staff:</u> Carol Wong, PE <i>Center for Watershed Protection, Inc.</i></p>	<p><u>Moderator & CWP Staff:</u> Mike Hickman <i>Center for Watershed Protection, Inc.</i></p>	<p><u>Moderator & CWP Staff:</u> Bryan Seipp <i>Center for Watershed Protection, Inc.</i></p>	<p><u>Moderator:</u> Bob Bathurst, PE <i>Century Engineering, Inc.</i> <u>CWP Staff:</u> Ari Daniels, PE <i>Center for Watershed Protection, Inc.</i></p>
<p>The Onondaga County Save the Rain Program: 220 Completed Projects in 10 Years – Lessons Learned & Success Stories</p> <ul style="list-style-type: none"> Zachary Monge, PE <i>Jacobs Engineering Group</i> 	<p>The Answer is Not True or False: Correctly Applying a Wicked Problem Approach to Restoring Urban Streams</p> <ul style="list-style-type: none"> Kimberly Horndeski <i>Texas Parks & Wildlife Department</i> Chris Herrington, PE <i>City of Austin, TX, Watershed Protection Department</i> 	<p>Growing Pains & Gains: Exploring Stormwater Credit Trading Successes and Challenges in the Toddler Years</p> <ul style="list-style-type: none"> Jacob Dorman, AICP <i>Contech Engineered Solutions, LLC</i> Chris French <i>BioClean Environmental</i> 	<p>Passive Stormwater Management is a Thing of the Past: Smart Stormwater Infrastructure is the Key to a Climate-Resilient Future</p> <ul style="list-style-type: none"> Bob Bathurst, PE <i>Century Engineering, Inc.</i>
<p>The Catawba-Wateree Basin-Wide Water Loss Control Program</p> <ul style="list-style-type: none"> Drew Blackwell <i>Cavanaugh & Associates, PA</i> 	<p>DEM Differencing as an Approach for Identification of Stream Restoration Projects and Quantification of Streambank Sediment and Nutrient Loads</p> <ul style="list-style-type: none"> Lisa Fraley-McNeal <i>Center for Watershed Protection, Inc.</i> Mike Hickman <i>Center for Watershed Protection, Inc.</i> 	<p>Iowa SRF: Funding for Nonpoint Source Watershed Projects</p> <ul style="list-style-type: none"> Lee Wagner <i>Iowa Department of Natural Resources, SRF Nonpoint Source Program</i> 	<p>The California Web App: Predicting the Probability of BMP Effluent Concentrations</p> <ul style="list-style-type: none"> Kenneth Schiff <i>Southern California Coastal Water Research Project</i>

Tuesday, April 14th

11:15 AM – 11:20 AM		Transition 2: Free Time					
<u>11:20 AM – 12:00 PM</u> <u>Zoom Webinar (Tues)</u>		<u>Stream Restoration Crediting: Panel Discussion and Q&A</u> <u>Overview of Bay Program Protocols</u> <ul style="list-style-type: none"> Bill Stack, PE <i>Center for Watershed Protection, Inc.</i> <u>WERF Stream Restoration Crediting</u> <ul style="list-style-type: none"> Lisa Fraley-McNeal <i>Center for Watershed Protection, Inc.</i> <u>North Carolina Stream Mitigation & 404 Permitting</u> <ul style="list-style-type: none"> Barbara Doll, PhD <i>North Carolina State University, Department of Biological & Agricultural Engineering</i> <u>Stream Mitigation Crediting</u> <ul style="list-style-type: none"> Rich Starr <i>Ecosystem Planning & Restoration (EPR)</i> 					
<u>12:00 PM – 1:00 PM</u> <u>Zoom Webinar (Tues)</u>		<u>Lunch Break (I): Quarantine Memes</u> Hye Yeong Kwon, Executive Director, <i>Center for Watershed Protection, Inc.</i> Marlyn Argueta, <i>Center for Watershed Protection, Inc.</i> Let's deal with this uncertain and stressful situation with a little bit of humor! We'll be sharing our favorite quarantine memes during this lunch break. If you have any you'd like to contribute, send them to Jordan Fox (jf@cwp.org).					
1:00 PM – 2:00 PM		Concurrent Sessions 2					
<u>Zoom Room 1 (Tues)</u>		<u>Zoom Room 2 (Tues)</u>		<u>Zoom Room 3 (Tues)</u>		<u>Zoom Room 4 (Tues)</u>	
<u>Chlorides & Water Quality (I)</u>		<u>Smart Systems & Emerging Technologies (I)</u>		<u>Stormwater Management at the National Scale</u>		<u>Watershed Forestry</u>	
Moderator: Andres Torizzo <i>Watershed Consulting Associates</i> CWP Staff: Mike Hickman <i>Center for Watershed Protection, Inc.</i>		Moderator & CWP Staff: Carol Wong, PE <i>Center for Watershed Protection, Inc.</i>		Moderator & CWP Staff: Lisa Fraley-McNeal <i>Center for Watershed Protection, Inc.</i>		Moderator & CWP Staff: Bryan Seipp <i>Center for Watershed Protection, Inc.</i>	
Continuous Chloride Monitoring and Development of a Recommended TMDL in a Vermont Urban Stream <ul style="list-style-type: none"> Andres Torizzo <i>Watershed Consulting Associates</i> 		Innovative Solutions to Address Everyday Stormwater Problems <ul style="list-style-type: none"> Jason Swartz, PE <i>Black & Veatch Corporation</i> 		Effectively Governing Stormwater through Regional Collaboration <ul style="list-style-type: none"> Kim Jones, CEPSCI <i>Town of Bluffton, SC, Watershed Management Division</i> Kathryn Ellis, EIT <i>McCormick Taylor</i> 		Urban Trees: An Overlooked Asset in Stormwater Management? <ul style="list-style-type: none"> Matthew Werle <i>GreenBlue Urban</i> 	

Tuesday, April 14th

<p>Impact of Road Salting Treatments on Shallow Groundwater Quality in Reston, Virginia</p> <ul style="list-style-type: none"> Emily Vorek <i>George Mason University, Department of Environmental Science & Policy</i> 	<p>SMART Infrastructure</p> <ul style="list-style-type: none"> David Batts, LEED AP <i>EcoServices</i> 	<p>Developing a National Resource for Stormwater Managers</p> <ul style="list-style-type: none"> Greg Williams, PhD, PE <i>StormTrap, LLC</i> 	<p>Floodplain Network Reforestation: Greenbelts, Resiliency, & Carbon Sequestration</p> <ul style="list-style-type: none"> Ana Gonzalez, PhD <i>City of Austin, TX, Watershed Protection Department</i>
<p>2:00 PM – 2:15 PM <i>Zoom Webinar (Tues)</i></p>	<p>Transition 3: Ad Break Stormwater Inspect Cobb & Fendley</p>		
<p>2:15 PM – 3:15 PM Zoom Webinar (Tues)</p>	<p>Special Plenary Session</p> <ol style="list-style-type: none"> Hye Yeong Kwon <i>Center for Watershed Protection, Inc.</i> Dr. Katharine Hayhoe <i>Professor in the Public Administration Program & Director of the South-Central Climate Science Center at Texas Tech University</i> 		
<p>3:15 PM – 3:30 PM <i>Zoom Webinar (Tues)</i></p>	<p>Transition 4: Ad Break K Friese + Associates Stormwater Systems Contech Engineered Solutions, LLC</p>		
<p>3:30 PM – 5:00 PM</p>	<p>Concurrent Sessions 3</p>		
<p>Zoom Room 1 (Tues)</p>		<p>Zoom Room 2 (Tues)</p>	
<p>Creative Strategies for the Implementation of Green Stormwater Infrastructure on Private and Public Lands</p>		<p>Climate Change from an Austin, Texas Perspective</p>	
<p><u>Moderator:</u> Jaclyn Rhoads, PhD <i>Pinelands Preservation Alliance</i> <u>CWP Staff:</u> Mike Hickman <i>Center for Watershed Protection, Inc.</i></p>		<p><u>Moderator:</u> Mike Personett <i>City of Austin, TX, Watershed Protection Department, retired</i> <u>CWP Staff:</u> Jordan Fox <i>Center for Watershed Protection, Inc.</i></p>	
<ul style="list-style-type: none"> Jaclyn Rhoads, PhD <i>Pinelands Preservation Alliance</i> Isabella Castiglioni <i>Pinelands Preservation Alliance</i> Susan Miller <i>Darby Creek Valley Association</i> 		<p>Water Forward: Integrated Water Resource Plan</p> <ul style="list-style-type: none"> Marisa Flores Gonzalez <i>Austin Water</i> Richard Hoffpauir <i>Hoffpauir Consulting</i> <p>Atlas 14: A Climate Change Fingerprint</p> <ul style="list-style-type: none"> Kevin Shunk, PE, CFM <i>City of Austin, TX, Watershed Protection Department</i> Matt Hollon 	

Tuesday, April 14th

City of Austin, TX, Watershed Protection Department

Climate Resilience Action Plan for the City of Austin's Assets & Operations

- Marc Coudert
City of Austin, TX, Office of Sustainability

Opportunities to Address Climate Change on Drainage Projects

- Tom Ennis, PE, LEED AP
City of Austin, TX, Watershed Protection Department

Wednesday, April 15th Join Information

As an attendee, you may enter each room online and/or by calling in. If you decide to call in, you must also enter the room by clicking the Join Link in order to view the presentations (and not just hear them). When you call in, you will be prompted to enter the Meeting ID (which is listed underneath the Join Link for each room), followed by the # sign. You will then have the option to enter a 2-digit participant ID; this is optional, and you can skip entry by pressing the # sign again.

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Room Name	Join Link	Call-In Information
Zoom Webinar (Wed)	https://zoom.us/j/993074354 Webinar ID: 993 074 354	One tap mobile +13126266799, 444794468# US (Chicago) +19292056099, 444794468# US (New York) Dial by your location +1 312 626 6799 US (Chicago) +1 929 205 6099 US (New York) +1 253 215 8782 US (Seattle) +1 301 715 8592 US (Washington DC) +1 346 248 7799 US (Houston) +1 669 900 6833 US (San Jose) 877 853 5257 US Toll-free 888 475 4499 US Toll-free
Zoom Room 1 (Wed)	https://zoom.us/j/513202044 Meeting ID: 513 202 044	
Zoom Room 2 (Wed)	https://zoom.us/j/514008166 Meeting ID: 514 008 166	
Zoom Room 3 (Wed)	https://zoom.us/j/331846855 Meeting ID: 331 846 1855	
Zoom Room 4 (Wed)	https://zoom.us/j/228606095 Meeting ID: 228 606 095	

Wednesday, April 15th

<p>9:30 AM – 10:00 AM Zoom Webinar (Wed)</p>	<p>Morning Check-In (I) Hye Yeong Kwon, Executive Director, Center for Watershed Protection, Inc.</p>		
<p>10:00 AM – 11:00 AM</p>	<p>Concurrent Sessions 4</p>		
<p>Zoom Room 1 (Wed)</p>	<p>Zoom Room 2 (Wed)</p>	<p>Zoom Room 3 (Wed)</p>	<p>Zoom Room 4 (Wed)</p>
<p>Watershed Planning & Implementation (II)</p>	<p>BMP Maintenance</p>	<p>Stormwater Outreach (I)</p>	<p>Smart Systems & Emerging Technologies (II)</p>
<p>Moderator: Matt Hollon <i>City of Austin, TX, Watershed Protection Department</i> CWP Staff: Bryan Seipp <i>Center for Watershed Protection, Inc.</i></p>	<p>Moderator & CWP Staff: Carol Wong, PE <i>Center for Watershed Protection, Inc.</i></p>	<p>Moderator & CWP Staff: Jordan Fox <i>Center for Watershed Protection, Inc.</i></p>	<p>Moderator: Bob Bathurst, PE <i>Century Engineering, Inc.</i> CWP Staff: Lisa Fraley-McNeal <i>Center for Watershed Protection, Inc.</i></p>
<p>Texas Nonpoint Source GIS Viewer for Watershed Planning</p> <ul style="list-style-type: none"> Tim Cawthon <i>Texas Commission on Environmental Quality, Nonpoint Source Program</i> 	<p>Balancing Water Quality Performance and Maintenance Demands of Innovative Biofilters</p> <ul style="list-style-type: none"> Vaikko Allen <i>Contech Engineered Solutions, LLC</i> Craig Fairbaugh <i>Contech Engineered Solutions, LLC</i> 	<p>Get Outside! Two Projects Creating Functional Landscapes to Manage Stormwater and Attract People</p> <ul style="list-style-type: none"> Neil Myers <i>V3 Companies</i> 	<p>Decrypting Stormwater Pollution: Identifying Urban Watershed Typologies Using Machine Learning</p> <ul style="list-style-type: none"> Matthew Smith <i>Florida International University</i>
<p>Lessons Learned from Watershed Master Planning in Austin, Texas</p> <ul style="list-style-type: none"> Matt Hollon <i>City of Austin, TX, Watershed Protection Department</i> 	<p>Maintaining Permeable Pavers for Long-Term Infiltration</p> <ul style="list-style-type: none"> Kevin Earley <i>Oldcastle Architectural Products Group</i> 	<p>How We're Creating 200,000 Source Water Protectors</p> <ul style="list-style-type: none"> Trey Burns <i>Anderson Regional Joint Water System</i> 	<p>The Solution to Designing Climate-Resilient Stormwater Infrastructure is in the Forecast</p> <ul style="list-style-type: none"> Bob Bathurst, PE <i>Century Engineering, Inc.</i>
<p>11:00 AM – 11:15 AM Zoom Webinar (Wed)</p>	<p>Transition 5: Ad Break GreenBlue Urban Chesapeake Bay Trust</p>		
<p>11:15 AM – 12:00 PM Zoom Webinar (Wed)</p>	<p>Watershed & Stormwater Trivia Moderators: <ul style="list-style-type: none"> Bryan Seipp Ari Daniels, PE <i>Center for Watershed Protection, Inc.</i> </p>		
<p>There will be 5 winners, each of whom will be sent a \$25 gift card (either Amazon or Visa, your choice!)</p>			

Wednesday, April 15th

<p>12:00 PM – 1:00 PM Zoom Webinar (Wed)</p>	<p>Lunch Break (II): Water Facts for Kids Karen Titus, <i>Center for Watershed Protection, Inc.</i> Jordan Fox, <i>Center for Watershed Protection, Inc.</i></p> <p>We'll be sharing some kid-friendly fun facts and videos about watersheds, stormwater, and water quality during this lunch break.</p>		
<p>1:00 PM – 2:00 PM</p>	<p>Concurrent Sessions 5</p>		
<p>Zoom Room 1 (Wed)</p>	<p>Zoom Room 2 (Wed)</p>	<p>Zoom Room 3 (Wed)</p>	<p>Zoom Room 4 (Wed)</p>
<p>Chlorides & Water Quality (II)</p>	<p>Promoting Resiliency in Design</p>	<p>Planning for TMDLs & MS4s</p>	<p>Stormwater Planning & Implementation (I)</p>
<p>Moderator & CWP Staff: Jordan Fox <i>Center for Watershed Protection, Inc.</i></p>	<p>Moderator & CWP Staff: Ari Daniels, PE <i>Center for Watershed Protection, Inc.</i></p>	<p>Moderator & CWP Staff: Mike Hickman <i>Center for Watershed Protection, Inc.</i></p>	<p>Moderator & CWP Staff: Carol Wong, PE <i>Center for Watershed Protection, Inc.</i></p>
<p>Brining as a Stormwater Best Management Practice for Winter Road Maintenance: A Paired Study of Six Suburban Communities</p> <ul style="list-style-type: none"> Danelle Haake <i>National Great Rivers Research & Education Center</i> 	<p>Evaluating the Capacity of Natural Infrastructure for Flood Abatement at the Watershed Scale</p> <ul style="list-style-type: none"> Barbara Doll, PhD <i>North Carolina State University, Department of Biological & Agricultural Engineering</i> 	<p>Utilizing Watershed Management Techniques to Improve Water Quality and Address TMDLs</p> <ul style="list-style-type: none"> Greg Phillips <i>GBMc & Associates</i> 	<p>Geospatial Quantification of Stormwater Trash Program Effectiveness</p> <ul style="list-style-type: none"> Gary Conley <i>2NDNATURE</i>
<p>Model for Protection: Lake George Road Salt Reduction Initiative</p> <ul style="list-style-type: none"> Chris Navitsky, PE <i>Lake George Waterkeeper</i> 	<p>The Waller Creek Tunnel Inlet Bypass at Waterloo Park</p> <ul style="list-style-type: none"> Ramesh Swaminathan, PE <i>City of Austin, TX, Watershed Protection Department</i> John Beachy <i>City of Austin, TX, Watershed Protection Department</i> Lisa Storer <i>City of Austin, TX, Parks & Recreation Department</i> 	<p style="text-align: center;">Open slot; go join another Zoom Room!</p>	<p>Valuing the Different Ecosystem Services Provided by Detention Ponds</p> <ul style="list-style-type: none"> Joan Ureta <i>Clemson University</i> Marzieh Motallebi <i>Clemson University</i>
<p>2:00 PM – 2:15 PM</p>	<p>Transition 6: Free Time</p>		

Wednesday, April 15th

2:15 PM – 3:15 PM		Concurrent Sessions 6	
Zoom Room 1 (Wed)		Zoom Room 2 (Wed)	
The Green Economy (II)		BMP Design & Maintenance	
Zoom Room 3 (Wed)		Zoom Room 4 (Wed)	
Stormwater Planning, Implementation, & Permit Compliance		Monitoring	
Moderator & CWP Staff: Lisa Fraley-McNeal <i>Center for Watershed Protection, Inc.</i>		Moderator & CWP Staff: Carol Wong, PE <i>Center for Watershed Protection, Inc.</i>	
Moderator & CWP Staff: Ari Daniels, PE <i>Center for Watershed Protection, Inc.</i>		Moderator & CWP Staff: Bryan Seipp <i>Center for Watershed Protection, Inc.</i>	
Stormwater for Sale: Washington DC's Stormwater Retention Credit Program <ul style="list-style-type: none"> Greg Hoffmann, PE <i>Center for Watershed Protection, Inc.</i> 		Underground Stormwater Devices: Cleaning Up the Confusion <ul style="list-style-type: none"> Anna Griggs <i>Apex Companies, LLC</i> 	
Green Infrastructure: Implementing a Unique CSO Consent Decree Requirement <ul style="list-style-type: none"> Joseph Danyluk, AICP <i>Jacobs Engineering Group</i> Kimberly Colich <i>Northeast Ohio Regional Sewer District</i> 		Turning Data into Doing with Digital Clean Water Accounting <ul style="list-style-type: none"> Gary Conley <i>2NDNATURE</i> 	
Can Stormwater Structures Improve Housing Prices? A Case Study in Coastal South Carolina <ul style="list-style-type: none"> Joan Ureta <i>Clemson University</i> Marzieh Motallebi <i>Clemson University</i> 		Best Practices for the Maintenance of Permeable Interlocking Concrete Pavements (PICP) <ul style="list-style-type: none"> David Smith <i>Interlocking Concrete Pavement Institute</i> 	
Post-Construction Water Quality Requirements for Permit Compliance <ul style="list-style-type: none"> Howard Redfearn, CFM, QEP <i>City of Mansfield, TX</i> 		Status and Applications of South Carolina's First Statewide Citizen Science Monitoring Program (SC AAS) <ul style="list-style-type: none"> Zach Nemec <i>Clemson University, Center for Watershed Excellence</i> 	
3:30 PM – 5:00 PM Zoom Webinar (Wed)		Virtual Happy Hour with the Center for Watershed Protection Join us for a webcams-on Virtual Happy Hour! We'll be drinking, sharing stories, and there may be a few debuts from CWP pets and kids!	

Thursday, April 16th Join Information

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Room Name	Join Link	Call-In Information
Zoom Webinar (Thurs)	https://zoom.us/j/873528542 Webinar ID: 873 528 542	One tap mobile +13126266799, 444794468# US (Chicago) +19292056099, 444794468# US (New York) Dial by your location +1 312 626 6799 US (Chicago) +1 929 205 6099 US (New York) +1 253 215 8782 US (Seattle) +1 301 715 8592 US (Washington DC) +1 346 248 7799 US (Houston) +1 669 900 6833 US (San Jose) 877 853 5257 US Toll-free 888 475 4499 US Toll-free
Zoom Room 1 (Thurs)	https://zoom.us/j/757677211 Meeting ID: 757 677 211	
Zoom Room 2 (Thurs)	https://zoom.us/j/181544097 Meeting ID: 181 544 097	
Zoom Room 3 (Thurs)	https://zoom.us/j/873728050 Meeting ID: 873 728 050	
Zoom Room 4 (Thurs)	https://zoom.us/j/437174452 Meeting ID: 437 174 452	

Thursday, April 16th

<p>9:30 AM – 10:00 AM Zoom Webinar (Thurs)</p>	<p>Morning Check-In (II) Hye Yeong Kwon, Executive Director, Center for Watershed Protection, Inc.</p>		
<p>10:00 AM – 11:00 AM</p>	<p>Concurrent Sessions 7</p>		
<p>Zoom Room 1 (Thurs)</p>	<p>Zoom Room 2 (Thurs)</p>	<p>Zoom Room 3 (Thurs)</p>	<p>Zoom Room 4 (Thurs)</p>
<p>Watershed Planning & Implementation (III)</p>	<p>Stormwater BMPs & GI</p>	<p>Stormwater Outreach (II)</p>	<p>Stormwater Program & Design Resiliency</p>
<p><u>Moderator & CWP Staff:</u> Mike Hickman Center for Watershed Protection, Inc.</p>	<p><u>Moderator:</u> Eric Loucks, PE <i>City of Austin, TX, Watershed Protection Department</i> <u>CWP Staff:</u> Carol Wong, PE <i>Center for Watershed Protection, Inc.</i></p>	<p><u>Moderator & CWP Staff:</u> Jordan Fox <i>Center for Watershed Protection, Inc.</i></p>	<p><u>Moderator & CWP Staff:</u> Ari Daniels, PE <i>Center for Watershed Protection, Inc.</i></p>
<p>Proactive Protection: The Upper Langham Creek Frontier Program</p> <ul style="list-style-type: none"> Jonathan St. Romain, PE <i>Harris County, TX, Flood Control District</i> Cory Stull, PE, CFM, GISP <i>Freese & Nichols, Inc.</i> Ashley Poe, PE, CFM <i>Freese & Nichols, Inc.</i> 	<p>Effective Stormwater BMPs and Environmental Compliance Management for New Highway Construction on the Edwards Aquifer Recharge Zone</p> <ul style="list-style-type: none"> Charlotte Gilpin, PE, CFM <i>K Friese + Associates</i> Edward Rashin <i>Hicks & Company</i> 	<p>Measuring Stormwater Outreach</p> <ul style="list-style-type: none"> Eric Eckl <i>Water Words that Work, LLC</i> 	<p>Climate-Adaptive Stormwater Management: A Living Systems Approach</p> <ul style="list-style-type: none"> April Schneider, PE, LEED AP ND <i>Stantec Consulting Services, LLC</i> Amy Seek, ASLA <i>Stantec Consulting Services, LLC</i>
<p>Nonpoint Source Pollution Success Stories</p> <ul style="list-style-type: none"> Cynthia Curtis <i>U.S. EPA Nonpoint Source Program</i> Ellie Flaherty <i>U.S. EPA, Nonpoint Source Program</i> 	<p>Biochar/Iron Sand Filters to Remove Bacteria & Nutrients in an Urban Watershed</p> <ul style="list-style-type: none"> Lu Zhang, PhD <i>Wenck Associates, Inc.</i> 	<p>Stormwater Roadshow</p> <ul style="list-style-type: none"> Spencer Peck, JD, MA <i>City of Atlanta, GA, Department of Watershed Management</i> 	<p>Advancing Resiliency in Drainage Infrastructure</p> <ul style="list-style-type: none"> Susan Alvarez, PE, CFM <i>City of Dallas, TX, Office of Environmental Quality & Sustainability</i>
<p>11:00 AM – 11:15 AM Zoom Webinar (Thurs)</p>	<p>Transition 7: Ad Break Freese & Nichols, Inc. Black & Veatch Corporation</p>		

Thursday, April 16th

<p>11:15 AM – 12:00 PM Zoom Webinar (Thurs)</p>	<p>Sponsor Trivia Moderators:</p> <ul style="list-style-type: none"> • Karen Titus <i>Center for Watershed Protection, Inc.</i> • Marlyn Argueta <i>Center for Watershed Protection, Inc.</i> <p>There will be 5 winners, each of whom will be sent a \$25 gift card (either Amazon or Visa, your choice!)</p>
<p>12:00 PM – 1:00 PM Zoom Webinar (Thurs)</p>	<p>Lunch Break (III): Tips for Teleworking Karen Titus, <i>Center for Watershed Protection, Inc.</i> Carol Wong, PE, <i>Center for Watershed Protection Inc.</i></p> <p>We'll be sharing some of our favorite tips for working from home during this lunch break! If you have any you'd like included, send them along to Jordan Fox (jf@cwpp.org).</p>
<p>1:00 PM – 1:35 PM Zoom Webinar (Thurs)</p>	<p>Poster Session Speed-Round Moderator: Ari Daniels, PE & Mike Hickman <i>Center for Watershed Protection, Inc.</i></p> <p>Spatial and Temporal Variability of Nitrous Oxide Fluxes from the Forested Ecosystem</p> <ul style="list-style-type: none"> • Jack Goldman <i>University of Vermont</i> <p>Evaluating the Hydrologic Impact of an On-Campus Green Roof</p> <ul style="list-style-type: none"> • Eleanor Henson <i>University of Arkansas, Fayetteville</i> <p>Watershed Management and the Whitefish Climate Action Plan</p> <ul style="list-style-type: none"> • Karin Hilding, PE <i>City of Whitefish, MT</i> <p>Development of a Hurricane Recovery Function and Resilience Model for Single-Family Residential Homes</p> <ul style="list-style-type: none"> • Uriel Clark, EIT <i>Rowan University</i> <p>Best Practices for Winter Maintenance Operations & State of Practice in Maryland Municipalities</p> <ul style="list-style-type: none"> • Jordan Fox <i>Center for Watershed Protection, Inc.</i>

Thursday, April 16th

<p>1:35 PM – 2:00 PM Zoom Webinar (Thurs)</p> <p>Meditation & Yoga</p> <ul style="list-style-type: none"> Heather Jefferson <i>Heart Warming Yoga and Haven on the Lake</i> <p>Put down your laptop, stand up from your chair, and find a space on the floor to breathe, stretch, and let go. Our yoga class will include 2 minutes of breathwork, 20 minutes of poses, and 3 minutes of constructive rest (savasana). The class will leave you feeling calm, grounded, and peaceful.</p>	
<p>2:00 PM – 2:15 PM Zoom Webinar (Thurs)</p> <p>Transition 8: Ad Break Thank you to our Bronze & Supporting Sponsors!</p>	
<p>2:15 PM – 3:15 PM</p> <p>Concurrent Sessions 8</p>	
<p>Zoom Room 1 (Thurs)</p>	
<p>Zoom Room 2 (Thurs)</p>	
<p>Zoom Room 3 (Thurs)</p>	
<p>Zoom Room 4 (Thurs)</p>	
<p>Stream Restoration (II)</p>	
<p>Stormwater Planning & Implementation (II)</p>	
<p>BMP Maintenance & Retrofits</p>	
<p>Community Involvement</p>	
<p>Moderator & CWP Staff: Lisa Fraley-McNeal <i>Center for Watershed Protection, Inc.</i></p>	
<p>Moderator & CWP Staff: Mike Hickman <i>Center for Watershed Protection, Inc.</i></p>	
<p>Moderator & CWP Staff: Carol Wong, PE <i>Center for Watershed Protection, Inc.</i></p>	
<p>Moderator & CWP Staff: Jordan Fox <i>Center for Watershed Protection, Inc.</i></p>	
<p>Old Mill Dam Replaced by Regenerative Stream Channel Improves Biological Resiliency</p> <ul style="list-style-type: none"> Roman Jesien, PhD <i>Maryland Coastal Bays Program</i> 	
<p>Stormwater Program Planning Part I: Recognizing the Need for a New Project Prioritization Framework</p> <ul style="list-style-type: none"> Paul Kovalcik <i>Northeast Ohio Regional Sewer District</i> 	
<p>Rooting Out Pollution along the Green Line: Five Years of Green Infrastructure Operation & Maintenance</p> <ul style="list-style-type: none"> Nate Zwonitzer, CPSWQ <i>Capitol Region Watershed District</i> 	
<p>Removing Barriers to Community-Led Green Stormwater Infrastructure</p> <ul style="list-style-type: none"> Jessie Hillman <i>Blue Water Baltimore, Inc.</i> 	
<p>Reducing Sediment and Nutrient Loadings through Streambank Restoration</p> <ul style="list-style-type: none"> Sandi Formica <i>Watershed Conservation Resource Center</i> 	
<p>Stormwater Program Planning Part II: A Benefit-Based Framework for Prioritizing Projects</p> <ul style="list-style-type: none"> Joseph Danyluk, AICP <i>Jacobs Engineering Group</i> 	
<p>Roadside Ditch Management, Maintenance, and Retrofits for Water Quality Improvement</p> <ul style="list-style-type: none"> Carol Wong, PE <i>Center for Watershed Protection, Inc.</i> 	
<p>It's the City's Responsibility! Encouraging Public Involvement to Maintain Stormwater Assets through an Adopt-A-Drain Program</p> <ul style="list-style-type: none"> Tanisha Lawson <i>City of Atlanta, GA, Department of Watershed Management</i> 	
<p>3:15 PM – 3:30 PM</p> <p>Transition 9: Free Time</p>	

Thursday, April 16th

3:30 PM – 5:00 PM		Concurrent Sessions 9	
<u>Zoom Room 1 (Thurs)</u>		<u>Zoom Room 2 (Thurs)</u>	
<u>New Solutions for Old (and New) Problems: How to Develop a System for Reducing Pollution from Sealcoat Products</u>		<u>Pivoting to the Future: Planning for Flood Resilience in Virginia Beach</u>	
<p>Moderator: Lillian Power <i>District of Columbia, Department of Energy & the Environment</i> <u>CWP Staff: Carol Wong, PE</u> <i>Center for Watershed Protection, Inc.</i></p>		<p>Moderator: Tonia Utterback <i>City of Virginia Beach, VA, Public Works Engineering</i> <u>CWP Staff: Jordan Fox</u> <i>Center for Watershed Protection, Inc.</i></p>	
<ul style="list-style-type: none"> • Lillian Power <i>District of Columbia, Department of Energy & the Environment</i> • John Maleri <i>District of Columbia, Department of Energy & the Environment</i> • Greg Allen, PhD <i>U.S. EPA, Chesapeake Bay Program</i> • Tom Ennis <i>City of Austin, TX, Watershed Protection Department</i> 		<ul style="list-style-type: none"> • Tonia Utterback <i>City of Virginia Beach, VA, Public Works Engineering</i> • Charles Bodnar <i>City of Virginia Beach, VA, Public Works Engineering</i> • Sue Kriebel <i>City of Virginia Beach, VA, Public Works Engineering</i> 	
<p><u>5:05 PM – 5:30 PM</u> <u>Zoom Webinar (Thurs)</u></p>		<p><u>Closing Remarks</u> Hye Yeong Kwon, Executive Director, Center for Watershed Protection, Inc.</p>	