



Notice of Public Works Committee Meeting

AGENDA

PUBLIC WORKS COMMITTEE - CITY OF FALLS CITY, OREGON

Meeting Location: 320 N Main Street, Falls City

Meeting Date: January 18, 2018 6:30 PM

Posted on January 12, 2018

1. Call to order

Roll Call: Chair Mitchell Padilla ___ Terry Ungricht ___ Mike McConnell ___ Guy Mack ___
Jennifer Drill ___ Tony Meier ___ Cliff Lauder ___

2. Pledge of Allegiance

3. Motion to adopt the entire agenda

4. Consent Agenda: Motion Action Approving Consent Agenda Items

A. Public Works Committee Meeting Minutes December 21, 2017 (p. 1-2)

5. Public Comments: Citizens may address the Committee or introduce items for Committee consideration on any matters. The Committee may not be able to provide an immediate answer or response, but may direct staff to follow up on any questions raised. Out of respect to the Committee and others in attendance, please limit your comment to five (5) minutes. Please state your name and city of residence for the record.

6. Old Business

None

7. New Business

- A. Select Committee Chair (p. 3-5)
- B. TMDL 5 year Review (p. 6-19)

8. Correspondence, Comments and Ex-Officio Reports

- A. Next Public Works Meeting will be held January, 2017 at 6:30 pm.
- B. Following Public Works Committee Meeting – Thursday, February 15, 2018 at 6:30 PM

9. Adjourn

The City of Falls City does not discriminate in providing access to its programs, services and activities on the basis of race, color, religion, ancestry, national origin, political affiliation, sex, age, marital status, physical or mental disability, or any other inappropriate reason prohibited by law or policy of the state or federal government. Should a person need special accommodations or interpretation services, contact the City at 503.787.3631 at least one working day prior to the need for services and every reasonable effort to accommodate the need will be made.

City of Falls City
Public Works Committee Meeting
Thursday December 21, 2017, 6:30 p.m.
Meeting Location: 320 N Main Street, Falls City, OR 97344

Committee Members Present

Tony Meier, Cliff Lauder, Mike McConnell, Guy Mack.

Acting Chair McConnell called the meeting to order at 6:40 PM

1) Call to Order

Acting Chair McConnell took roll call. Chair Padilla, and Committee Members Drill and Ungricht were absent.

2) Pledge of Allegiance

Acting Chair McConnell led the pledge of allegiance.

3) Motion to Adopt the entire agenda

A motion was made by Committee Member Lauder and seconded by Committee Member Meier to adopt the entire agenda. Motion carried 4-0-0 Ayes. Tony Meier, Cliff Lauder, Mike McConnell, Guy Mack.

4) Consent Agenda: Motion Action Approving Consent Agenda Items

A. Public Works Committee Minutes September 21, 2017

A motion was made by Committee Member Meier and seconded by Committee Member Mack approving the Consent Agenda. Motion carried 4-0-0 Ayes. Tony Meier, Cliff Lauder, Mike McConnell, Guy Mack.

5) Public Comments

None

6) Old Business

None

7) New Business

A. CDBG Wastewater Grant Update – City Manager Terry Ungricht

Former Member Ungricht not available. Council Members Lauder and Meier informed the Committee that City Council has decided to request funding for Final Design, Environmental review, and a rate study. This all is estimated to cost \$350,000. Staff is still discussing if we want to include the cost of the land, which we estimate at \$150,000. The land will be negotiated on in compliance with the UAR and all federal requirements. The City has received commitment from COG that they will manage the grant and our City Engineer with Westech will be in charge of project.

B. Water Treatment Plant Sand Filter Replacement

City staff has reached out to City of Salem to enter an IGA to purchase sand for the Water Treatment Plant and the City of Falls City will be allowed to piggyback with them on purchase. While this would reduce some costs, City of Falls City would need to perform actual replacement. Contracting out the project to a qualified contractor was discussed. Committee Member McConnell was concerned about the costs of contractor and thought the City should explore alternatives.

8) Correspondence, Comments and Ex-Officio Reports

A. Next Public Works Committee Meeting will be held January 18, 2018, 6:30 pm.

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9) Adjourn

A motion was made by Committee Member Mack and seconded Acting Chair McConnell to adjourn the meeting. Motion carried 4-0-0. Ayes: Tony Meier, Cliff Lauder, Mike McConnell, Guy Mack.

The meeting was adjourned at 7:05 PM.

_____ Public Works Committee Chair Padilla

Attested: _____ Public Works Committee Member

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AGENDA REPORT

TO: Public Works Committee Meeting
FROM: JoHanna Birr, City Clerk
SUBJECT: Select Committee Chair for 2018
DATE: 1/10/2018

SUMMARY

Each Committee and Commission appoints a Chair at the first meeting of each New Year.

Municipal Code Chapter 32.03.010 Public Works Committee Established

The public works committee is hereby established. The committee shall be composed of seven members appointed by the mayor, with the consent of the council. The public works committee members shall elect, at their first regular meeting, a chairperson, vice chairperson and secretary from their membership. Thereafter, the committee shall elect a chairperson at its first meeting each year, to serve for the calendar year and until the chairperson's successor has been elected; provided, however, that no member shall serve more than two consecutive terms as chairperson.

PREVIOUS COMMITTEE ACTION

January 8, 2016: Committee appointed Mitchell Padilla.

STAFF RECOMMENDATION

Committee Member Mitchell Padilla has served as Public Works Committee Chair for two years. A current Chair is eligible to run again one year from the end date of a two consecutive term seat.

EXHIBIT

Exhibit A- Council, Commission and Committee Members

PROPOSED MOTIONS

1. *Chairperson Mitchell Padilla asks for nominations for Committee Chair.*
 - *Chair accepts nominations. Hearing no additional nominations, Chair calls for a motion and a vote.*

I move _____ be appointed Chair of the Public Works Committee for 2018.

Motion made by:

Seconded by:

Record the vote:



City Council, Commission, and Committee Members

- 1.) City Council
- 2.) Parks and Recreation Committee
- 3.) Public Works Committee
- 4.) Budget Review Committee
- 5.) Historic Landmark Commission
- 6.) Planning Commission

1.) City Council

- | | | |
|----|------------------------------|-----------------------|
| 1. | Mayor Gordon | Term ends: 12/31/2018 |
| 2. | Council President Tony Meier | Term ends: 12/31/2018 |
| 3. | Dennis Sickles | Term ends: 12/31/2020 |
| 4. | Lori Jean Sickles | Term ends: 12/31/2018 |
| 5. | Jennifer Drill | Term ends: 12/31/2018 |
| 6. | Charlie Flynn | Term ends: 12/31/2020 |
| 7. | Cliff Lauder | Term ends: 12/31/2020 |

2.) Parks and Recreation Committee

- | | | |
|----|-------------------------------|-----------------------|
| 1. | Janelle Anzalone (Chair) | Term ends: 12/31/2018 |
| 2. | Dennis Sickles (Vice Chair) | Term ends: 12/31/2018 |
| 3. | Lori Jean Sickles (Secretary) | Term ends: 12/31/2018 |
| 4. | John Hawkins | Term ends: 12/31/2018 |
| 5. | Amy Bliss | Term ends: 12/31/2018 |
| 6. | Janet Propp | Term ends: 12/31/2020 |
| 7. | Dani Haviland | Term ends: 12/31/2020 |

3.) Public Works Committee

- | | | |
|----|-----------------------------|-----------------------|
| 1. | Mitchell Padilla (Chair) | Term ends: 12/31/2018 |
| 2. | Mike McConnell (Vice Chair) | Term ends: 12/31/2018 |
| 3. | Guy Mack (Secretary) | Term ends: 12/31/2018 |
| 4. | Terry Ungricht | Term ends: 12/31/2018 |
| 5. | Jennifer Drill | Term ends: 12/31/2018 |
| 6. | Cliff Lauder | Term ends: 12/31/2020 |
| 7. | Tony Meier | Term ends: 12/31/2020 |

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4.) Budget Review Committee

1-7. City Council and Mayor (All seven members)

In addition, seven residents:

- | | | |
|----|-----------------|-----------------------|
| 1. | Debera Ellis | Term ends: 12/31/2017 |
| 2. | Guy Mack | Term ends: 12/31/2017 |
| 3. | Steve Dixon | Term ends: 12/31/2017 |
| 4. | Dawn Taylor | Term ends: 12/31/2017 |
| 5. | Vacant | Term ends: 12/31/2018 |
| 6. | Amy Houghtaling | Term ends: 12/31/2018 |
| 7. | Patti Sample | Term ends: 12/31/2019 |

5.) Historic Landmark Commission

- | | | |
|----|------------------------------|-----------------------|
| 1. | Mike McConnell (President) | Term Ends: |
| 2. | Amy Houghtaling (Vice Chair) | Term ends: 12/31/2018 |
| 3. | Guy Mack (Secretary) | Term ends: 12/31/2019 |
| 4. | Randolph Osman | Term ends: 12/31/2018 |
| 5. | Bruce Garrett | Term ends: 12/31/2018 |
| 6. | Rose Bajorins | Term ends: 12/31/2018 |
| 7. | Open | Term ends: ----- |

6.) Planning Commission

- | | | |
|----|---------------|-----------------------------------|
| 1. | Tracy Young | Appointed |
| 2. | Rose Bajorins | Appointed 2016 (Serves 2016-2019) |
| 3. | Open | |
| 4. | Open | |
| 5. | Open | |
| 6. | Open | |
| 7. | Open | |

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AGENDA REPORT

TO: PUBLIC WORKS COMMITTEE
FROM: JOHANNA BIRR, CITY CLERK
SUBJECT: TMDL 5 YEAR REVIEW
DATE: 1/5/2018

SUMMARY

Falls City must submit an annually updated Total Daily Maximum Load (TDML) report to the Department of Environmental Quality (DEQ) of activities to reduce bacteria, metals, temperature and erosion and other pollutants in our waterways. The Little Luckiamute River empties in the Luckiamute then on to the Willamette River, all of which are located in the Middle Willamette Basin.

The goal is to enhance aqua life imbalances by minimizing municipal impacts such as stormwater runoff, effluent, new construction impacts, riparian protection among other things to protect and restore water quality.

2018 brings a 5-year review to the plan for accomplished goals and new goals set forward. In the plan, a matrix of activities and strategies are developed then submitted to DEQ for review. If satisfactory, a letter of acceptance is issued and kept on file with the city for permanent records retention. Along with other area Designated Management Agencies (DMA's), our reports are incorporated into a Willamette Basin Plan by DEQ and sent to the Environmental Protection Agency (EPA) for their review and acceptance.

BACKGROUND

In 2009, Council adopted a TDML Plan. This plan was designed to help the City meet the requirements of Oregon Administrative Rule (OAR 340-042-0080). This OAR requires agencies to implement a pollution reduction strategy for the three main pollutants in the Willamette Basin watershed which are Temperature, Mercury and Bacteria.

PREVIOUS COMMITTEE ACTION

The Public Works Committee has reviewed past matrixes and offered suggestions for additional activities to improve water quality. These activities include solutions for stormwater run-off filtration, erosion control and temperature reductions in the Little Luckiamute River and Luckiamute Watershed.

ALTERNATIVES/FINANCIAL IMPLICATIONS

Financial impacts are challenging to measure as a whole. Each activity varies in cost. The goal of the City is to implement projects with low cost and Low Impact Development (LID). Urban Runoff: Low Impact Development. The term Low Impact Development (LID) refers to systems and practices that use or mimic natural processes that result in the infiltration, evapotranspiration or use of stormwater in order to protect water quality and associated aquatic habitat. There are possible grants for certain LID projects.

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STAFF RECOMMENDATION

Public Works Committee is encouraged to creatively look for inexpensive options our financially limited City can do to meet new goals by replacing completed projects in the matrix.

EXHIBIT A- TDML Matrix

EXHIBIT B- List of possible low cost projects

PROPOSED MOTION

None

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Table 1: TMDL IMPLEMENTATION TRACKING MATRIX, Falls City, OR

Exhibit A

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POLLUTANT What pollutants does the TMDL address?	SOURCE What sources of this pollutant are under your jurisdiction?	STRATEGY What is being done, or what will you do to reduce and/or control pollution emanating from this source?	HOW Specifically, how will this be done?	MEASURE How will you demonstrate successful implementation or completion of this strategy?	TIMELINE When will the strategy begin? Be completed?	BENCHMARK What intermediate goals will be achieved, and by when, to know progress is being made?	POTENTIAL FUNDING RESOURCES	2017-4-4 Status
Temperature		1 (a) Maintain existing riparian vegetation.	FCZDC 2.206.05 F General Standards	Final site plan and subdivision/partition approvals.	Required with each building permit and projects abutting riparian zones. Community Cleanup takes place annually or as needed.	Periodically review FCZDO 2.207.09 and 3.203(G)(6) to determine if these requirements enable the City to meet the temperature load allocation.	Land Use, Development Review fees and grants as they are available.	City Falls acquired 1.13 acres acquired expanding Michael Harding Park to both sides of river. Zone change to Public. This expands buffer (1b) zone parallel between housing and waterway as well as natural/native riparian zone 1 (c). SOLVE (annually) work to keep 2.5 miles of banks clear of litter 6 (a) and debris. Parks and Rec with volunteers- Native vegetation preserved. Invasive weeds removed and replaced with Native. (Total percentage unknown- project to be complete in early June.) Vehicle traffic eliminated, foot traffic only to restore vegetation, reduce impact and contamination from vehicles. 1 (b), (c), 2 (d), 7(a)

Table 1: TMDL IMPLEMENTATION TRACKING MATRIX, Falls City, OR

<p>1. Solar radiation input</p>	<p>1 (b) Partner with the Luckiamute Watershed Council (LWC) and Falls City High School on riparian restoration projects as needed based on consultation with LWC.</p>	<p>Identify a local liaison to the LWC. Build a volunteer support network for local projects. Contact LWC to identify and prioritize potential project sites. Secure funding resources to complete projects.</p>	<p>Monitoring the number of riparian restoration projects completed.</p>	<p>Annually</p>	<p>At least one riparian tree planting project completed if identified as a need after consulting with LWC.</p>	<p>Watershed restoration grants.</p>	<p>Working with Weyerhaeuser and LWC on some culvert work to improve water flow, fish habitat and restoration of riparian area near Dutch Creek. (1b & c) FEMA is replacing bridge at Dutch Creek. Meetings with Polk County Engineer & FEMA. Completion date 2018. The City was approved by the Arbor Day Foundation as a Tree City USA member in 2016. 3 Native Fir trees were planted on North side of 3rd street foot bridge to aid in stormwater runoff filtration. Volunteers removed invasive vegetation (approx. 10% of all vegetation) leaving native vegetation in tact in Faye Wilson Park. 2.01 acre Michael Harding Park restoration underway- Vehicle traffic eliminated, foot traffic only to restore vegetation, reduce impact and contamination from vehicles. 1 (a) 1 (b), (c), 2 (d), 7(a)</p>
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Table 1: TMDL IMPLEMENTATION TRACKING MATRIX, Falls City, OR

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	<p>1 (c) Reconsider proposed amendments to Comprehensive Plan and Zoning Ordinance to comply with Goal 5 Safe Harbor protection requirements for riparian corridors.</p>	<p>Initiate amendments by council vote. Notify DLCD and affected property owners. Conduct public hearings before Planning Commission and Council. Adopt proposed amendments by ordinance. Provide notice of adoption to DLCD.</p>	<p>Adoption of an ordinance that complies with the Safe Harbor riparian protection requirements if the review noted in Temperature Management Strategy (1a) above indicates that the City's current vegetation protection requirements are not sufficient for protecting riparian shade.</p>	<p>Beginning in July 2013 Completed in December 2014</p>	<p>If needed after review in Temperature Management Strategy (1a) is completed, copies of public hearing notices and minutes from Council meetings.</p>	<p>General fund.</p>	<p>Trees USA program participant as of 2016. City purchased 1.13 acres of land expanding Micheal Harding Park to both sides of the river. Invasive species removed as of end of May 2017. Land rezoned to public. FCZDC 2.206.05 F-General Standards gives rules for development easements along watercourses ranging from 10 ft from recognizable bank or sufficient width to pass 10 & 100 yr flood flows. It also regulates landscaping of the site be restored after any disturbance. The Falls City Comprehensive Plan Goal 5 states the city does not have any Federally or State recognized significant resources, but states the following: "Scenic Views & Sites- Significant Resources The two-acre (0.81 hectare) city park in the northwest section and the Little Luckiamute River (Michael Harding Park now expanded to both sides of river) are significant open space resources." pgs 49-50. All other inventory contains this sentence "The available information is adequate to complete the Goal 5 process for _____". Or "Undetermined, and "There are no significant _____ resources".</p>
	<p>1 (d) Public education and outreach regarding the importance of riparian restoration conservation. Implementation of Tree City USA program.</p>	<p>Utilize information provided by Tree City USA and DEQ and make available through newsletter, city hall and city's web site. Qualify \$2 per capita financial requirement. Adoption of Arbor Day ordinance and proclamation.</p>	<p>Completed information brochure, Website posting, Newsletter mailing, Review existing tree related ordinances, Qualify \$2 per capita financial requirement. Adoption of Arbor Day ordinance and proclamation.</p>	<p>Annually.</p>	<p>Heightened public awareness. Improved riparian vegetation health and lower temperature. Increase in volunteer efforts.</p>	<p>Volunteer work projects, General fund, technical assistance from local watershed council, DEQ.</p>	<p>Measures achieved. Tree City USA approved in 2016. Educational materials & links are located on website on Community Care and Major Documents -Water Shed pages. Materials include water conservation tips, low water landscape, poor drainage tree options, pet waste, stormwater drainage, sewer maintenance, native plants, living on a stream, streamside lawn and garden care. Luckiamute Watershed & OSU links. Falls City 2009 TMDL Report. See attached.</p>

Table 1: TMDL IMPLEMENTATION TRACKING MATRIX, Falls City, OR

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POLLUTANT What pollutants does the TMDL address?	SOURCE What sources of this pollutant are under your jurisdiction?	STRATEGY What is being done, or what will you do to reduce and/or control pollution emanating from this source?	HOW Specifically, how will this be done?	MEASURE How will you demonstrate successful implementation or completion of this strategy?	TIMELINE When will the strategy begin? Be completed?	BENCHMARK What intermediate goals will be achieved, and by when, to know progress is being made?	POTENTIAL FUNDING RESOURCES	Status
Temperature	1. Wastewater treatment plant discharge	1 (e) Maintain low effluent temperatures.	Meet requirements of DEQ Discharge permit.	Monitor effluent temperature.	Beginning in 2009, 2x Monthly or more.	Compliance ensures effluent from the FC sewage treatment does not impair the river.	Sewer user fees.	Public Works reads automatic water temps at Glaze & Teal Creeks treatment plant and manual temp reads at the wastewater plant. Influent and Effluent samples are tested 2X monthly or more as needed. Water samples from various locations are tested monthly or as needed. We have had no exceedances. 1 (a) (b) 2 (b)
POLLUTANT What pollutants does the TMDL address? Bacteria	SOURCE What sources of this pollutant are under your jurisdiction? 2 Wastewater treatment plant discharge	STRATEGY What is being done, or what will you do to reduce and/or control pollution emanating from this source? 2(a) Implement improvements identified in the Wastewater Facility Plan	HOW Specifically, how will this be done? Review master plan to identify prioritized improvements. Apply for and secure funding resources.	MEASURE How will you demonstrate successful implementation or completion of this strategy? Monitor wastewater improvement projects completed. Current system upgrade and maintenance.	TIMELINE When will the strategy begin? Be completed? Beginning 2009. Annually or more as needed.	BENCHMARK What intermediate goals will be achieved, and by when, to know progress is being made? Grant funds secured. Compliance with discharge permit requirements. Addition al user expansion.	POTENTIAL FUNDING RESOURCES Grants, loans, user fees	Status Grant secured, consultant for master planning identified. Wastewater Facility Plan adopted in 2014. 2(b) City met with Engineer in January 2016. City performed an income survey per HUD requirements to secure funding to upgrade capacity of wastewater system. 2016 CDBG Grant entied 2.5 M. Met with funding agencies for insight. Will retry in 2017 but they are not sure funds will be available. City seeking other funding opportunities, the state revolving fund will be one option if the grant is unavailable in 10/17. Reapplying October 2017 for grant. City acquired riparian land through a forestry grant to expand Michael Harding Park to the north side of the river.

Table 1: TMDL IMPLEMENTATION TRACKING MATRIX, Falls City, OR

	2 (b) Reduce illicit municipal waste discharge.	Provide staff training on proper sewage treatment plant maintenance and best management practices. Training and certifications continuous.	Compliance with DEQ NPDES permit requirements.	Beginning in 2009.	NPDES permit reviews for the municipal wastewater treatment facility.	General fund.	Both Public Works employees take certification classes annually. DP Lead-Certified in Collection and treatment. His training was 3/20/2017. KW-Certified in Collection and Treatment. His next training is 8/21-24/2017. Public Works takes Influent samples at Glaze/Teal Creeks and Effluent samples at wastewater treatment plant. Both are tested 2X monthly or as needed. Water samples from various locations are tested monthly or more as needed. No violations. 2 (a)
2. Stormwater run-off	2 (c) Complete a Stormwater Master Plan.	Identify available grant resources for stormwater plan assistance. Apply for and secure funding resources.	An adopted stormwater master plan.	Beginning in 2009. Project completion subject to securing adequate funding.	List of potential grant resources by March 2014. Completed grant application forms December 2009.	Grants, city funding when available.	2016 CDBG Grant application was denied. Will retry in 2017 but they are not sure funds will be available. City seeking other funding opportunities, the state revolving fund will be one option if the grant is unavailable in 10/17. FCZDO outlines requirements for stormdrainage in new construction. The City budgeted monies along with donations by IWW, West Coast Drillers constructed a groundwater monitoring well. Monitoring equipment was donated by IWW and Bill Mann of In-Situ. 1/2015 it was determined groundwater levels went from bedrock at 13 ft. in October to 2 ft. below ground level in winter. Joe Kemper of OSU presented techniques to decrease stormwater runoff. City budgeting to buy street sweeper 6(a). Currently contract sweeping 2x per month. BMP's by placing catch basins in storm drains as street repairs occur to filter runoff. Storm drain on South main was replaced, the street resurfaced to keep dust down. Falls City has a limited stormwater system running partial distance on North Main to Bridge St. ending a short distance on South Main. The rest of the city depends on a basic ditch system to carry water to natural drainage areas out of the city.

8/1/17

Table 1 : TMDL IMPLEMENTATION TRACKING MATRIX, Falls City, OR

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POLLUTANT What pollutants does the TMDL address?	SOURCE What sources of this pollutant are under your jurisdiction?	STRATEGY What is being done, or what will you do to reduce and/or control pollution emanating from this source?	HOW Specifically, how will this be done?	MEASURE How will you demonstrate successful implementation or completion of this strategy?	TIMELINE When will the strategy begin? Be completed?	BENCHMARK What intermediate goals will be achieved, and by when, to know progress is being made?	POTENTIAL FUNDING RESOURCES	Status
Bacteria	2. Stormwater run-off	2 (d) Require new development to manage stormwater run-off.	Falls City Zoning & Development Code 2.206 Contains stormwater improvement requirements for new development.	As-builds of completed stormwater improvements from new developments.	Beginning in 2014. As new development occurs.	New development Stormwater plans approved by City Engineer. Inspections of new stormwater improvements by City/County staff.	New Development review fees.	Falls City Zoning and Development Code section 2.205.05 outlines requirements for stormwater drainage. 7(a) Culverts and catch basin added to Bridge St. Joe Kemper of OSU presented techniques for decreasing stormwater runoff. (2a) Dutch Creek Crossing is being addressed by Polk County and FEMA to repair storm damages and redesigned to include arched culverts. This will enhance fish habitat, water flows, lower water temperatures, and erosion/sedimentation control. (Est. 2 yr project.) 7(a)(b). Acquired city engineer 2016. 2017 added new catch basin to South Main Street. No new development has occurred.

Table 1: TMDL IMPLEMENTATION TRACKING MATRIX, Falls City, OR

5/18

	4 (b) Install park improvements such as signage, kiosks and trash receptacles.	Research project costs and identify available funding resources.	Development of a project budget and list of potential grant resources. Returned surveys reviewed.	Beginning in October 2012 Annually	Project budget and list of potential grant resources- Annually	Parks funding, General Fund, donations, potential grants.	Three Pet Waste Stations were installed by Council. One has been installed in the Lower Park and seen heavy use. Two more will be installed at separate parks 2017-2018. Park inventory is in process. .4(a), 5(a)
5 Human Waste	5 (a) Public education and outreach regarding proper pet waste disposal.	Utilize outreach/educational materials that DEQ provides and make available through newsletter, city hall and city's web site. Monitor bag consumption for actual usage. Park survey sent to 445 utility users . Feedback for park improvements and	Website posting. Newsletter mailing.	Beginning in July 2012 Annually	Heightened public awareness. Positive public feedback on station and area cleanliness. Usage.	General Fund	Notices of toilet locations and availability in city newsletter regularly beginning in 2011 and ongoing. Approx. 450 newsletters mailed annually to utility users. Pet waste stations- A test pilot was placed in the lower park- a heavy use area 2016 . Two more stations will be added to separate parks. Volunteers walk city and gather trash. 4(a), 4(b) .
	5(b). Install park improvements such as portable or permanent restrooms	Research project costs and identify available funding resources. Park survey sent to 445 utility users . Feedback for park improvements and additions.	Development of a project budget and list of potential grant resources. Returned surveys reviewed.	Beginning in October 2010 Annually	Project budget and list of potential grant resources By June 2013. Annually	Parks funding, General Fund, donations, potential grants. Volunteers.	General fund is provides funding for seasonal (Mid May through Mid October) portable toilets at all (3) riverside parks. A permanent facility is available to the public at the Upper Park. 4 (a) One City sponsored event uses existing facility. Events are required to supply additional portable facilities based on expected participants. Two private events occur each year. Second survey out 3/2017.127

Table 1: TMDL IMPLEMENTATION TRACKING MATRIX, Falls City, OR

2/18

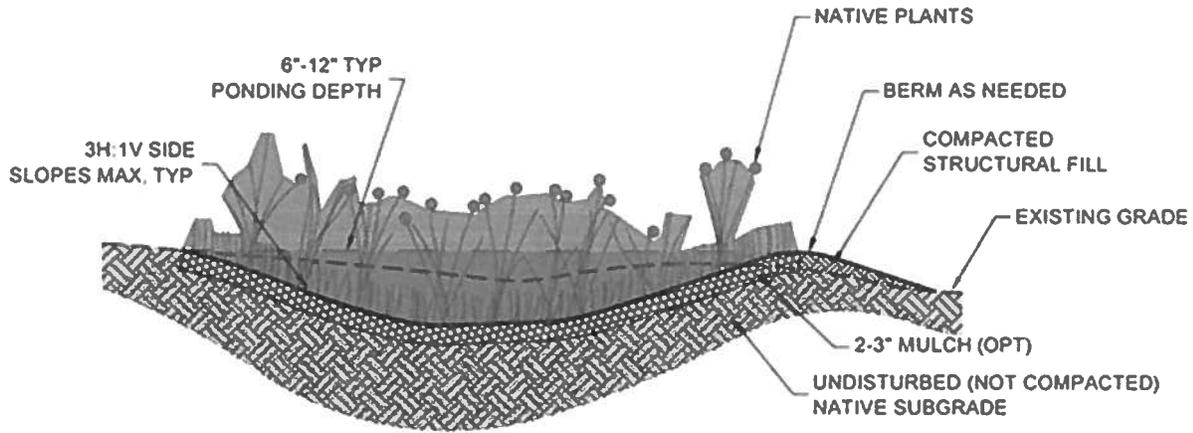
POLLUTANT What pollutants does the TMDL address?	SOURCE What sources of this pollutant are under your jurisdiction?	STRATEGY What is being done, or what will you do to reduce and/or control pollution emanating from this source?	HOW Specifically, how will this be done?	MEASURE How will you demonstrate successful implementation of this strategy?	TIMELINE When will the strategy begin? Be completed?	BENCHMARK What intermediate goals will be achieved, and by when, to know progress is being made?	POTENTIAL FUNDING RESOURCES	Status
	6. Garbage/litter	6 (a) Street sweeping and public outreach to reduce littering, placement of trash receptacles.	Utilize the city newsletter, website for public information, sweep streets periodically to remove debris, install trash cans near gathering places and in parks.	Track street sweeping schedule, website posting.	Beginning in August 2012 Monthly and Annually	Reduced litter on streets will be an indicator of messaging success	Parks and general funding.	The City contracts with the City of Dallas for street sweeping at least 1 x per month . Schedule posted on Community page on website and information mailed to 450 residents in Newsletter, also posted on website. The City is researching surplus programs to purchase its own to increase cleaning frequency to streets. Trash receptacles are located throughout the City and in each of the four parks. The following events are listed on the community center's new reader board. SOLVE event held to clean river banks each September. Only 125 lbs of litter in 2016 along 2.5 miles of riparian area in three parks and 116 steps up hillside. 1 (a) Spring Clean is held annually in June which provides free removal services to the community for appliances, towing vehicles, metal, tires, hazardous household waste and e-waste and vegetation control. Tonnage is reported to the City and included in following monthly newsletter. Volunteers walk the city and gather litter. 132

Table 1: TMDL IMPLEMENTATION TRACKING MATRIX, Falls City, OR

11/18

Mercury	7 Erosion and sedimentation	7 (a) Limit erosion.	FCZDO requires geotechnical evaluations on properties with steep slopes and an erosion control plan for all new multi-family, commercial and industrial developments.	City and County building review staff will monitor and review compliance with Code requirements.	Beginning in 2009, As new development occurs.	Geotechnical evaluation and erosion control plan approvals. Development inspections by City and County staff.	Development permits and review fees.	FCZDC 2.205.07- Steep Slopes, 2.206- Storm Drainage, Occurs with new permits for construction. 2 (a) (b) (d)City staff also use rock, straw and grass seeding as needed to prevent storm erosion from entering the waterway . There have been no new developments in sloped areas. Natural vegetation is allowed to grow to prevent erosion in undeveloped steep sloped areas on the north side of the City. See Attached Building Limitations Map. 7(b)Tree City USA - 1 (b), (c), (d),
		7 (b)	After receiving a Fact Sheet on the 1200-C permit from DEQ, inform developers about 1200c permit requirements and require a copy of the permit to be provided to the city	Copies of land use approvals and 1200 C permits from developments disturbing an acre or more	Beginning in December 2011. On-going.	Include 1200c permit requirements as a condition of development approval.	Development review fees.	As needed with new development. No impact. No 1200-C construction in 2017.

1. Rain Garden:



LID 1.01 Infiltration Rain Garden NTS

2. Bio swales:

What is a Bioswale?

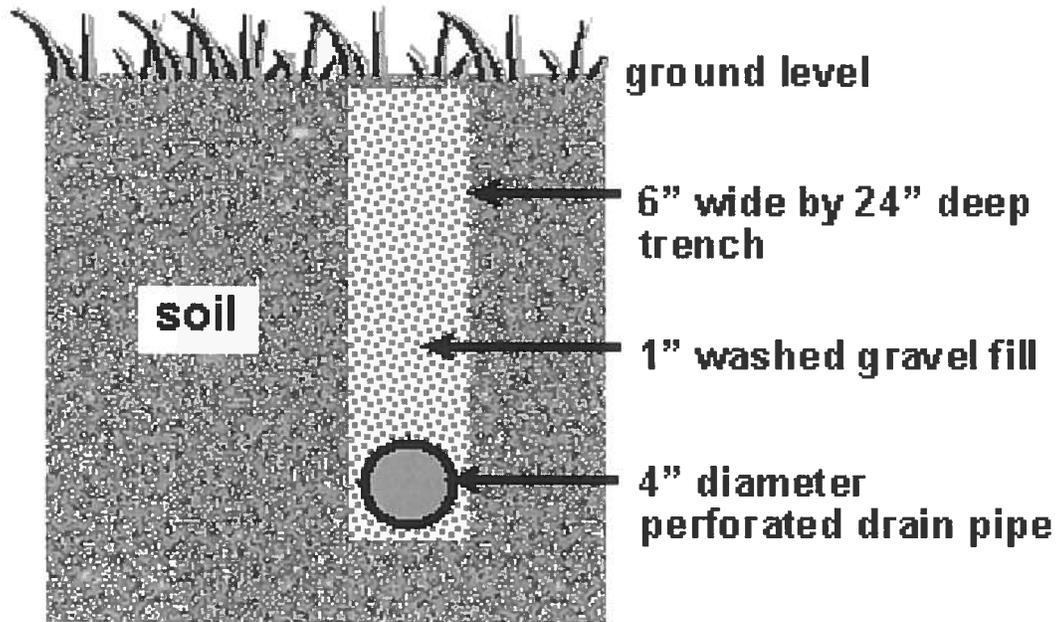
A bioswale is a ditch that allows for rainwater to soak into the earth slowly, rather than flooding streets or going into the ocean.

Here's how it works:

- Stormwater runoff from streets and parking lots enters the bioswale through a gradual slope.
- Once the water enters the bioswale, it slowly seeps into the soil.
- The water slowly filters through the roots of native plants, where a majority of automobile pollutants are removed.
- The water enters a secondary filtration level usually made of sand, gravel, or rock.
- Lastly, the purified water slowly makes its way to the local aquifer.

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3. French Drain:



8/19