

ANACORTES PLANNING COMMISSION



MARCH 23, 2016

Municipal Building Council Chambers

6th Street and "Q" Avenue

AGENDA

6 P.M.

1. **Roll Call**
2. **Minutes of February 24, 2016**
3. **Correspondence**
4. **Old Business**
No Old Business
5. **New Business**
 - a. **Public Comment: 2016 Storm Water Management Program Plan**

If reasonable accommodation of a disability is needed please contact Cherri Kahns at 299-1950
at least 48 hours prior to this meeting.



Draft - Planning Commission Meeting Minutes for – February 24, 2016

Chair Laumbattus called the Meeting of February 24, 2016 to order at approximately 6 p.m.

Roll Call

Members Present: Commissioners Oppel, Laumbattus, Pollard, Cleland-McGrath and Farnsworth. Absent: Commissioner McNett

Minutes – No Minutes were presented

Correspondence

There was no correspondence.

New Business

Public Hearing: 48 North Preliminary Plat & PUD, PUD-2015-0003

Mr. Kevin Cricchio, Associate Planner, presented the 48 North Preliminary Plat and Planned Unit Development along with a few proposed code modifications, a right of way dedication to create 30 lots and one community park on the subject property which is 7.4 gross acres located in R2 zoning district. The proposed lots would range from 7,500 to 12,400 square feet. The project site is located on the south side of Oakes Avenue between Allen Court and Eagle View Court. The applicant is Nels Strandberg of 48 North on Fidalgo Island, LLC, Anacortes, Washington. Landowner is Richardson Revocable Living Trust located in West Hills, California and the project surveyor and engineer is Herrigstad Engineering and Surveying of Anacortes.

The proposed code modifications are as follows: lots 3 through 17, the front yard setback would be reduced from 20 feet to 10 feet for the house itself. The rear setback would be increased from 20 feet to 30 feet; however, the garage would still need to comply with the 20 foot front yard setback. All other lots would meet the underlying zoning district setback. Additionally, the applicant has requested a narrower right of way; typically the City would require a 50 foot right of way with curb, gutter and sidewalk on both sides. The applicant has requested a reduction to 40 feet with the sidewalk only on one side of the street.

The applicant has requested an increase to the underlying zoning district's lot coverage from 35 to 37.5 percent. The applicant has also requested a deviation to the 12 percent city standard for maximum road grade and proposes 15 percent at the entrance only to the subject plat and PUD. Lastly, the applicant has proposed a reduction from the speed limit in front of the subject parcel to be reduced from 40 miles per hour to 30 miles per hour.

The existing land use is vacant and unimproved and is heavily treed. To the north, the zone is Commercial Marine; to the south, R2; to the east, Aviation or AZ; and to the west, both R2 and Commercial Marine. To the north, south and west, the adjacent land uses are single family residential and to the east is the Port of Anacortes Airport. Minimum lot size is 7,500 square

feet per the R2 zone; the maximum permitted density in the R2 zone is 4 dwelling units per gross acre. The site consists of 7.20 net acres. The gross is 7.48 acres which includes half the abutting right of way. The density calculation provides for 29.92 dwelling units, which we round up to 30, and the applicant has proposed 30 with a community park.

Mr. Cricchio reviewed the tree preservation plan and a condition was included that the applicant plant additional trees to mitigate the loss of the required number of trees due to the project. The Transportation Plan was reviewed and it was determined that a turn lane on SR20 was not required. However, the applicant has proposed a left turn lane to improve the area.

Mr. Cricchio concluded with a recommendation of approval by the Planning Department for submittal to City Council.

Chair Laumbattus asked for clarification of the reduction in road-width in the conditions. Mr. Measamer provided that Steve Lange of the City Public Works/Engineering Dept. will address that but included new regulations for low impact development requirements will be implemented in the near future and the City is starting now to reduce the overall impervious area by reducing the width of that roadway down to 28 feet. The actual right of way would still be 40 feet which will allow for all the utilities, sidewalk and roadway.

Mr. Steve Lange, COA Public Works/Engineering Dept., reviewed the utilities installation, connections and roadway/pedestrian connectivity for this project.

Mr. Nels Strandberg, 408 2nd Street, Anacortes, project developer, proposed a 32 foot wide road but the City stated referred to these lower impact development regulations and asked if he would be okay with 28 feet, which works. Mr. Strandberg provided that the CC&R's for this development will not allow street parking on a routine basis so this should not be an issue. Mr. Strandberg discussed the 12 percent road grade which is okay. Steve Lange's comment regarding a French drain around the entire perimeter will take out every tree on the site, which is not necessary as the site is dry. Mr. Strandberg reviewed the location of the site and the landscape plan and discussed the trees that will be retained and removed and explained the setback configurations are to save trees. Mr. Strandberg met with the neighbors to the south in Whidbey Court and showed them the trees we are planning on retaining; we talked about which trees they would want to save and which ones they did not want to save. I proposed that I would plant a hedge or build a fence and I understood they want a 6 foot cedar fence. I propose I do that not only on the south line but the west line and then up against Eagle View Court as well. We are going to leave this open across the back to the airport; it feels nice just looking out at more space than viewing a fence.

Mr. Strandberg discussed the rain garden and presented design schematics. Mr. Strandberg discussed the reason for requesting a PUD including a reduction in the front yard setbacks to save trees. They are requesting a 40 foot right of way rather than a 50 foot right of way. Mr. Strandberg explained that they could easily put a 50 foot right of way in the entire plat, put 7,500 square foot lots and end up with 30 lots but that would exclude a buffer and a landscape area next to Oakes Avenue and no community park. The trade off from a 40 foot right of way is a community park and a 30 foot buffer. Mr. Strandberg included that if they did remove the community park and take the larger buffer, they would have 8,000 square foot lots which would

allow a little bigger homes so I am just requesting a little bit of a variance in the lot coverage which amounts to about 200 square feet per house on an 8000 square foot lot. Mr. Strandberg discussed the placement of new trees.

Commissioner Oppel asked about the grade change on the entrance and whether the street would have to be lowered to meet up with the new grade. Mr. Strandberg provided that in a perfect world you would get permission for a 15 percent road grade reduction and then you would work with the fire department because the fire department will allow me to do a 15 percent road grade they will just require me to sprinkler every house so that is a decision honestly that I would like to make. In a perfect world, I would like you to approve a 15 percent road grade or up to a 15 percent and then I would work with the fire department and if he wants to require sprinklers on every house because I decide to build it that way, I am willing to live with that. I would like that to be my choice but it doesn't have to be. If you are more comfortable with 12 percent, I can live with it. So we are going to be cutting into the bank and even at 15 percent right up to the community park, that is about a 4 foot grade change when we go to 12, it is a 7 foot grade change so it would be a retaining wall at the end of the road and then a park above it. So we will make that look as good as we can; it probably means moving a few thousand more yards of dirt. If I have my choice between sprinklers and doing that, I will probably reduce the road grade.

Commissioner Oppel asked about the road width situation and if Mr. Strandberg was comfortable with that. Mr. Strandberg stated he is comfortable with that and agrees with City staff and if that is the way development is going; I don't think every single circumstance deserves a 32 foot wide road. So we have a little loop; it is going to be a quiet little neighborhood; there isn't going to be a lot of fast moving through traffic, I think a narrow road is going to be just fine.

Commissioner Pollard asked Mr. Strandberg to make a comment to road width in regards to having sidewalk only on one side; is that part of the PUD request. Mr. Strandberg provided that a typical city street would require sidewalks on both sides. Mr. Lange pointed out that is fairly common to get approval with sidewalk on one side; I think it depends on where you are. We are proposing a sidewalk on the outside and then no sidewalk on the inside. We are kind of considering that a little bit of a tradeoff for the 300 feet of sidewalk we are installing along Oakes Avenue which is extremely expensive sidewalk because we are sitting there with flaggers and it is not cheap sidewalk so this is a sidewalk I would like to have to get down to that intersection so we can cross the road to get down to the trail like Mr. Lange had talked about. That is one of the reasons why I am not proposing sidewalk on the site just because I feel that expense is already being spent here. The other reason is just the room on the lots, I am trying to leave my lots a certain size – I wanted to leave them 7500 or great because that is the R2 zoning but I also wanted to have that little community park. I just love those little parks in San Juan Passage and I thought that is a spot looking over the road where they are going to have a great shot of the view and that is one of the reasons I want to save that space.

Commissioner Oppel asked does the setback reduction occur with lots 23 through 30 for the front yard or is that just for the outer lots. Mr. Strandberg stated we proposed it on lots 3 through 17 so those are the lots that we are proposing to retain trees and that have the most indirect impact on neighbors. I think one of the letters on file from the Stoltzes is they are pretty

close to their property line and we are trying to get as far away as possible. Commissioner Oppel asked that the setbacks on 23 through 30 would be a 20 foot front yard setback. Mr. Strandberg responded that whatever the zoning is for R2.

Commissioner Farnsworth asked whether a drain at the base of the hill along Oakes Avenue would alleviate some of the concerns that you have but not require Mr. Strandberg to install a drain around the property. Mr. Lange provided it will change once you open that side up; as far as the landscape goes the trees that he is trying to save, I didn't honestly didn't take a look at the trees that are being retained, the number one complaint that we get after these subdivisions go in is the water under the house and the drainage code allows it says to put perimeter drains around the subdivision to protect itself from uphill water. If he opens this side up and for some reason the subsurface water isn't getting onto the property, then it wouldn't be that big of a deal. I don't want to see those trees come down just to put a storm pipe in but there might be some other ways of doing that to protect the houses themselves and bypass it. Commissioner Farnsworth asked if there could be some information on whether a house is safer with fire sprinklers. Mr. Don Measamer, Director of Planning, Economic & Community Development, responded that in the future you may see that every residential unit will be required to have an automatic fire sprinkler system. The various building codes have required it now for about 6 years and the state building code council has waived that requirement. Getting back to what the Anacortes Fire Marshall has looked at and in my conversations with him on this project, if the street grade exceeds 12 percent, they would require each of the residential units to have an automatic fire sprinkler system. So that is why they are okay, I believe Mr. Strandberg said he is okay with going to that 12 percent. But if it did not meet that, it would have to go to fire sprinklers for each of the houses.

With no further questions from the Commissioners, Chair Laumbattus opened the public hearing.

Marilee Huffman, 806 Commercial Avenue, Anacortes. I was just going to ask about the trees that were going to be saved and also about the trees that were going to be planted. What are going to be the heights of those saved because especially along the airport side and how long will it take for the trees that are planted to grow. Can you plant a certain type of tree that is not necessarily going to grow to a certain height because you always want to think of safety around airports. Chair Laumbattus suggested that answers be provided at the end of the public comment portion. With no further comments from the public, Chair Laumbattus closed the public hearing.

Mr. Strandberg provided that he meet with Mr. Worra, the Executive Director of the Port, and they had no concerns over the trees being left. Mr. Strandberg did not know their actual height but some of them are probably 100-125 feet tall. They are outside of the area they are concerned about. They actually have some trees on their side of the fence that are pretty tall as well. I did have a plan to plant Douglas firs and western red cedars that get several hundred feet tall. Mr. Worra requested that we do a different variety that grow to about 30 feet tall. That made him happy.

Commissioner Oppel asked about the storm water, sewer, storm utilities horizontal alignment map and whether the perimeter drain was included in the drawings presented to the

Commissioners and if this is the one for approval tonight. Mr. Lange stated that he does not want the Commissioners to approve anything that may get changed on the civil side as far as utilities go. As far as the perimeter drain, he is not proposing that on this submittal. Chair Laumbattus stated that they did not see any wet spots during the site visit.

Chair Laumbattus stated the plan appears to be a nice little neighborhood and pretty well done. Commissioner Farnsworth stated that he would prefer sprinkler systems in the houses and is willing to throw in the 15 percent road grade as well but agrees with everything Chair Laumbattus just stated. Chair Laumbattus stated he does not prefer to change the Fire Marshall's decision without further discussion and called for further comments. Commissioner Cleland-McGrath stated that she does know Mr. Strandberg socially and has not discussed this project at all with the proponent. No comments were presented in regard to this statement. Commission Oppel stated he has a concern about a left turn pocket for anyone heading west from the project. Mr. Lange stated the intent will be to have a left hand turn out of that subdivision. Leaving the subdivision, you will be able to take a left or right. Commissioner Oppel says it appears that there is a barrier in the middle of the street so how does someone turn left when leaving the subdivision. Mr. Lange stated that DOT has not warranted a left turn movement for this project. Chair Laumbattus discussed a drawing that includes just hash marks and not a raised curb. Mr. Lange stated it is being proposed to be painted.

Commissioner Cleland-McGrath asked for clarification of the 40 foot right of way in the circular place and whether it will be the 28 or 32? Mr. Lange stated that it could be either but for egress, the City would prefer seeing a wider road through there but a 28 will function quite well.

Mr. Measamer clarified a few items including that the applicant originally proposed a deviation from the 12 percent grade to 15 percent and that the applicant has since withdrawn that request (see page 2 of staff report) and so the staff report will be revised indicating applicant withdrew that request so we are not approving that deviation. The next thing is that Mr. Strandberg provided you with a letter this evening wherein he proposed a height limitation for one of the lots in relationship to a conversation he had with one of the abutting property owners. Mr. Measamer read the proposal and recommended the Planning Commissioners consider adding this as a condition so that it is dealt with accordingly as proposed. Mr. Strandberg's proposal includes that the City require the proposed lot 15 adjacent to Stoltz be restricted to height at 25 foot from the highest point on the property northeast corner.

With no further discussion, Commission Oppel made a motion to approve the proposal with the deletion of the 15 percent entrance grade and the addition of the height restriction on lot 15 in addition to all other staff conditions approved. Commissioner Farnsworth seconded the motion; vote called for was unanimous in favor of the motion.

With no further business, Chair Laumbattus called the meeting to a close at approximately 7:10 p.m.



Planning Commission Agenda Bill

Meeting Date: 3/23/2016 **Agenda Item:** Public Comment

Subject: City of Anacortes Stormwater Management Program Plan for 2016

Staff Contact: John Franz

Approved for Submittal to Commission by	
	Don Measamer, Director

Action Type	
X	Public Hearing
	Discussion
	Action

Summary Statement: The City of Anacortes is required by state law to obtain a Western Washington Phase II Municipal Stormwater Permit issued by the State of Washington Department of Ecology. The City was first issued a permit in 2008; the current permit was issued on August 1, 2012 and was amended on January 16, 2015. Each Permittee is required to develop and implement a Stormwater Management Program (SWMP). Each Permittee must also annually prepare written documentation of the SWMP, called the SWMP Plan. This plan is intended to be a forward-looking document describing the set of actions and activities the Permittee intends to complete in the upcoming year to comply with the Permit.

Public Works staff would like to receive public comment regarding the City's draft Plan for 2016 at the Planning Commission meeting on March 23, 2016. Notice of this opportunity to comment was published in the Anacortes American on March 2, 2016 and the City's draft SWMP Plan for 2016 was made available for review on the City's website at:

<http://www.cityofanacortes.org/Engineering/SWMP%20Plan%202016%20final.pdf>. The purpose is only to receive public comment on the City's draft Plan. No action will be required by the Commission.

The Stormwater Permit and the planned actions and activities related to permit compliance are grouped under the following Program elements:

- Public Education and Outreach
- Public Involvement and Participation
- Illicit Discharge Detection and Elimination (IDDE)
- Controlling Runoff from New Development, Redevelopment, and Construction Sites
- Municipal Operations

Permit requirements and planned activities for each of the required elements are presented in the Plan.

Previous Council/Committee Action: NA

Competing Viewpoints Considered: NA

Recommended Motion: NA

Alternative Actions: NA

Attachments (listed in order presented): SWMP Plan for 2016



City of Anacortes
Stormwater Management Program (SWMP) Plan
Documentation

For Calendar Year 2016

City of Anacortes
901 6th Street
Anacortes, WA 98221

Prepared By
John Franz
Stormwater Coordinator
March 2016

INTRODUCTION

This document has been prepared in accordance with the Western Washington Phase II Municipal Stormwater Permit (the permit) issued by the Department of Ecology (Ecology) on August 1, 2012. This permit applies to the City of Anacortes from August 1, 2012 through July 31, 2018. This permit was amended by Ecology on January 16, 2015.

The permit authorizes municipalities to discharge stormwater runoff into the State's surface waters and groundwater provided Permit-specified actions and activities are implemented to protect the receiving waters.

Section S5.A of the permit requires each Permittee to develop and implement a Stormwater Management Program or SWMP. The SWMP is a set of actions and activities to comply with permit conditions S5, S7 and S8. Permit condition S5.A.2 requires each permittee to prepare written documentation of the SWMP, and calls this document the SWMP Plan (herein referred to as the plan). The plan shall be organized according to the program components in S5.C, and updated annually. The primary purpose of the plan is to inform the public of the SWMP activities for the upcoming year. The plan is required to include a description of activities required to comply with the following permit conditions:

- Planned activities for each of the components in S5.C
 - Public Education and Outreach
 - Public Involvement and Participation
 - Illicit Discharge Detection and Elimination
 - Controlling Runoff from New Development, Redevelopment and Construction Sites
 - Pollution Prevention in Municipal Operations
- Any additional planned actions to meet the requirements of applicable TMDLs pursuant to S7 Compliance with Total Maximum Daily Load Requirements.
- Planned action to meet the requirements of S8 Monitoring and Assessment

Stormwater Management in Anacortes

Anacortes has a population of approximately 16,080 and covers approximately 11.7 square miles of land area. Anacortes is largely a built-out community. The majority of the stormwater runoff from Anacortes eventually drains into Puget Sound; into either Fidalgo Bay, Guemes Channel, or Burrows Bay. Incorporated in 1891, Anacortes has been active in: seafood harvesting and processing, natural resource refining: wood products and oil, boat building, maintenance, shipping, harbor, ferry and port tourism, home building, retail vitality, maintaining natural beauty and creating city parks.

The City of Anacortes is committed to meeting the compliance requirements and deadlines of the permit. The stormwater management program in Anacortes is led by the Assistant Public Works Director/Stormwater Program Manager in the City's Public Works Department, Engineering Division.

The Stormwater permit compliance activities are led by the stormwater permit coordinator. The coordinator works closely with the following:

- Public Works Department
 - Street/Storm Manager and Crew
 - Engineering Staff and Technicians
 - Wastewater Staff
- Planning, Community and Economic Development Departments – Planners

Document Organization

This document is organized to follow the sequence of permit requirements S5.C.1, S7 and S8, as required by the permit. Generally the minimum performance measures in each permit condition are provided in the plan followed by the City of Anacortes plan to comply with each performance measure.

STORMWATER MANAGEMENT PROGRAM PLAN ELEMENTS

Permit condition S5.C.1 Public Education and Outreach

Permit Section S5.C.1 states that the SWMP shall include an education and outreach program designed to reduce or eliminate behaviors and practices that cause or contribute to adverse stormwater impacts and encourage the public to participate in stewardship activities. The educational program may be developed and implemented locally or regionally. The Permit lists the following minimum performance measures for compliance with this element. Each permittee shall:

- Provide an education and outreach program for the area served by the MS4. The program shall be designed to educate target audiences about the stormwater problem and provide specific actions they can follow to minimize the problem.
- Create stewardship opportunities and/or partner with existing organizations to encourage residents to participate in activities such as stream teams, storm drain marking, volunteer monitoring, riparian planting and education activities.
- Measure the understanding and adoption of targeted behaviors for at least on target audience in at least on subject area. No later than February 2, 2016, Permittees shall use the resulting measurements to direct education and outreach resources most effectively, as well as to evaluate changes in adoption of the targeted behaviors. Permittees may meet this requirement individually or as a member of a regional group.

Planned Education and Outreach Activities to Related to the Implementation LID requirements

During 2016 City Staff will review the Comprehensive Plan, Engineering Standards and the Municipal Code for impediments to the implementation of the adoption of LID as the preferred alternative to traditional stormwater conveyance. At numerous times stakeholder groups and the general public will be invited to participate in the LID implementation process. Stormwater impacts and the problems that stormwater generates in the Puget Sound will be discussed at various time during these meetings. The following is a tentative schedule of these events:

- January – February – Kulshan Services to review Municipal Code, City of Anacortes Comprehensive Plan and Engineering Standards for barriers to LID implementation.
- February 23, 2016 - present LID overview and proposed changes to the Engineering Standards to the internal coordination committee (DRG Group). Solicit comments from the group.
- February 23, 2016 – First municipal code revision committee meeting, code revision committee consisting of the Council Public Works Advisory Committee members (2); the City Attorney, the Public Works Director, the Assistant Public Works Director, the Stormwater Coordinator and the city's consultant for LID implementation, Kulshan Services. Review suggested code modifications. Schedule the next meeting as necessary.
- March 8, 2016 – External stakeholders meeting with local design consultants/engineers, architects, Invite the public with an advertisement of the meeting in the newspaper. Provide information on the progress made to date. Present examples of LID required changes to the Engineering Standards.

- March through end of May - Up to two additional stakeholder meetings (both internal and external) to be held to review proposed code and standards changes. Advertise meetings in the newspaper. Solicit comments from stakeholders and members of the public.
- May through June – brief the internal team on proposed changes to code and standards.
- July – conduct a legal review of all proposed changes.
- August – Finalize code revisions, standard and all guideline revisions, public hearing at the Planning Commission.
- September – October – incorporate comments, present the Municipal Code, Engineering Standards and guidelines to the City Council, public hearing as required.
- November 7, 2016 – Present all finalized documents to the City Council for adoption.

Planned Public Education and Outreach Activities not related to LID

The City currently is working with four organizations to the fulfill requirements of this permit condition:

- The Anacortes High School
 - During 2015 the City began working directly with the Anacortes High School through the Green Club and the High School Broadcast Club.
 - The work with the Green Club not only provided an opportunity for class room education but the students performed field work installing a rain garden in Anacortes.
 - The Broadcast Club and produced a high quality video of a rain garden installation in 2015.
 - The City will assist in the development a second rain garden to be installed and planted by the Green Club, and documented in a video by the Broadcast Club.
 - During 2016 the Stormwater Coordinator will meet with the Green Club three times to discuss stormwater and the impacts of stormwater on the Puget Sound.
 - The City will work with the Green Club to present information regarding the effects of pet waste to dog owners at the annual Bark in the Park event. At the end of the event an attempt will be made to evaluate the behavioral change of the public education effort.
 - The City will assist the Green and Broadcast Clubs in the coordination of a video about car washing, and/or the use of lawn chemicals.
 - The high school Green Club has volunteered to install storm drain markers.
- The Samish Indian Nation
 - Anacortes has been working in cooperation with the Samish Indian Nation monitoring storm drain outfalls and conducting IDDE investigations. This effort will continue during 2016 with a planned expansion of analytical procedures to detect IDDE, specifically the Samish Nation intends to perform Optical Brightener Monitoring. The Stormwater Coordinator will assist in locating testing sites and tracking any positive indications up the stormwater drainage basin to identify potential sources.
- Fidalgo Bay Aquatic Reserve Citizen Stewardship Committee
 - The Fidalgo Bay Aquatic Reserve Citizen Stewardship Committee has been offered an opportunity to participate in volunteer monitoring, been invited to participate in SWMP Plan development as well as LID program implementation.
- The Skagit Conservation District
 - The Skagit Conservation District (SCD) will organize and implement two public workshops focusing on Private Stormwater Facility Maintenance. The target audience for this group will be Home Owner Associations, private stormwater facility owners, and the general

public. These workshops will focus on educating the audience on their responsibilities to maintain their private stormwater facilities.

- SCD will organize and present the Watershed Masters Volunteer Training Program. This program will provide 40 hours of training and will focus on: providing presentations/training to the Watershed Masters (WSM) on City stormwater program priorities through classroom and fieldtrip activities. Topics covered include, but are not limited to: watershed history and geology, water quality, stream ecology, salmon, wetlands and soils, agricultural and forestry Best Management Practices (BMPs), stormwater runoff and activities that landowners can do to reduce stormwater water quality impacts, and low impact development practices. Content of coursework will be coordinated with City staff to meet the needs of City stormwater program. Participants will return 40 hours of volunteer service and make a commitment to reduce stormwater runoff impacts in their own backyards.
- The SCD will manage the local Stream Team Program. This year the focus will shift to the Happy Valley stream. The primary purposes of the program are: to inspire stewardship in regards to water quality by educating citizens about land use, stormwater runoff, and nonpoint source pollution and involving them in the process of water quality data gathering; to develop and implement a routing sampling program that can be used to assess water quality trends, characterize the existing water quality of priority freshwater drainages, and to determine how water quality conditions compare to State Standards; and to document improvements in water quality as a result of the implementation of BMPs. A Quality Assurance/Quality Control (QA/QC) plan and lab plan for the Stream Team program have been approved by the Washington Department of Ecology. Water quality conditions monitored by volunteers currently include: fecal coliform bacteria, dissolved oxygen, water temperature, turbidity, and total depth.
- The Backyard Conservation Stewardship Short Course Program is also conducted by the SCD. This annual 6-week short course will feature tips for native plant landscaping, environmentally friendly gardening practices, composting, mulching, nutrient management, pest management, landscaping for wildlife, water conservation tips, low impact development practices for homeowners, and overall, backyard practices that will reduce stormwater runoff pollution. The training will be provided by local experts. Participants will attend six evening sessions (once a week) and two Saturday field excursions. The following topics will be included in the training: Proper use and disposal of pesticides, herbicides, and fertilizers, and use of non-toxic alternatives; use of native plants in landscaping, reducing size of lawn,; preventive car maintenance, including proper disposal of used oil, coolant, and other toxic materials; use of permeable pavement for driveways and patios; proper disposal of pet waste and livestock waste and composting.
- The District will organize and implement a public workshop focusing on education and outreach to local contractors and businesses on a variety of Low Impact Development (LID) techniques.
- Through the SCD, the City currently provides the following brochures, booklets, fact sheets and other written materials for the general public as well as specific target businesses. These are available in hard copy form from Engineering Dept. at City Hall, the Parks Dept., at the City Library or on the City website or Skagit Conservation District website. The following is a partial list of available printed materials:
 - Low Impact Development: Coming to a Neighborhood Near You
 - Good Cleaning Practices for the Food & Restaurant Industry
 - Planning & Planting a Sustainable Landscape
 - Watering Wisely
 - Think Twice Before Using Pesticides

- Natural Lawn Care
- Good Cleaning Practices for the Automotive Industry
- Best Management Practices for Power Washing
- Best Management Practices for Mobile Carpet Cleaners
- Soil & Mulch: The foundation of a healthy yard
- Rain Garden Handbook for Western Washington: A Guide for Design, Installation and Maintenance

Permit condition S5.C.2 Public Involvement and Participation

Section S5.C.2. of the permit states that Permittees shall provide ongoing opportunities for public involvement and participation through advisory councils, public hearings, watershed committees, participation in developing rate-structures, or other similar activities. Each Permittee shall comply with applicable state and local public notice requirements when developing elements of the SWMP. The minimum performance measures are:

- Permittees shall create opportunities for the public to participate in the decision-making process involving the development, implementation and update of the Permittee's SWMP.
- Each Permittee shall post on their website, their SWMP Plan and the annual report required under S9.A no later than May 31 each year. All other submittals shall be available to the public upon request.

Planned Public Involvement and Participation Activities:

- The Samish Indian Nation and the Fidalgo Bay Aquatic Reserve Citizen Advisory Committee were invited to a meeting to develop the 2016 SWMP Plan. This meeting was conducted on February 12, 2016. Both the Samish Indian Nation and the Fidalgo Bay Aquatic Reserve CAC were represented at the meeting.
- Public participation will be solicited at a public hearing of the City of Anacortes Planning Commission open meeting. The meeting will be advertised as required.

Public Involvement and Participation Opportunities Related to the Implementation of LID Requirements Planned Activities

During 2015 the City was working on updates the City Comprehensive Plan. Changes to this document to eliminate barriers to LID were part of the update effort. The changes to the City Comprehensive Plan have incorporated extensive opportunities for public participation, and during 2016 there will continue to be opportunities for the public to participate in the Comprehensive Plan.

During 2016 City Staff will review the Engineering Standards and the Municipal Code for impediments to the implementation of the adoption of LID as the preferred alternative to traditional stormwater conveyance. The following is a tentative schedule of opportunities for the public to participate in the review and adoption of the new codes and standards:

- March 8, 2016 – External stakeholders meeting with local design consultants/engineers, architects, and local contractors to present LID overview and solicit comments on Engineering Standards. Advertise meeting in the newspaper and invite the public.

- March through end of May - Up to two additional stakeholder meetings (both internal and external) to be held to review proposed code and standards changes. Invite public participation with an advertisement in the newspaper and postings on the city website.
- August – Finalize code revisions, standard and all guideline revisions, public hearing at the Planning Commission.
- September – October – incorporate comments, present the Municipal Code, Engineering Standards and guidelines to the City Council, public hearing as required.
- November 7, 2016 – Present all finalized documents to the City Council for adoption.

Permit condition S5.C.3 Illicit Discharge Detection and Elimination

The SWMP shall include an ongoing program designed to prevent, detect, characterize, trace and eliminate illicit connections and illicit discharges into the MS4. The minimum performance measures are:

- Mapping of the MS4 shall continue on an ongoing basis. MS4 maps shall be periodically undated.
- Each Permittee shall implement an ordinance or other regulatory mechanism to effectively prohibit non-stormwater, illicit discharges into the Permittee's MS4 to the maximum extent allowable under state and federal law.
- Each Permittee shall implement an ongoing program designed to detect and identify non-stormwater discharges and illicit connections into the Permittee's MS4.
- Each Permittee shall implement an ongoing program designed to address illicit discharges, including spills, and illicit connections, into the Permittee's MS4.
- Permittees shall train staff who are responsible for identification, investigation, termination, cleanup and reporting of illicit discharges, including spills, and illicit connections, to conduct these activities. Follow-up training shall be provided as needed to address changes in procedures, techniques, requirements or staffing. Permittees shall document and maintain records of the training provided and the staff trained.
- Recordkeeping: Permittees shall track and maintain records of the activities conducted to meet the requirements of this section.

Mapping Activities

This City has an excellent GIS system which includes Storm system mapping and a database containing information related to stormwater. This system is being upgraded during 2016.

This MS4 map is updated on a continuous basis in a cooperative effort between the Street/Sewer Department, the Stormwater Coordinator and the GIS Coordinator.

Two engineering students were hired during the summer months of 2015 to work on IDDE and Municipal Operations and Maintenance. The interns were able to check the location of various MS4 system components and some corrections were made to the MS4 map. The City of Anacortes is planning to hire interns again in the summer of 2016 to continue this work.

Illicit Discharge Ordinance

In August 2009, the City Council adopted City Ordinance 2802, updating the code to be consistent with the permit Illicit Discharge/Illicit Connection detection and elimination requirements.

During 2016 the municipal code will be updated for LID provision of the permit. During this process the IDDE code will be reviewed for compliance, and to ensure that the escalation of enforcement provisions are clear.

Program to detect and identify non-stormwater discharges and illicit connections into the Permittee's MS4

During 2015 the public has been a very good, active source of reports regarding illicit discharge to the MS4. The City of Anacortes maintains a hot line reporting number on the city website. The City's Stormwater Coordinator and Public Works maintenance crews will continue to respond to incidents, investigate and determine appropriate response, document details of the incident and response, and log the information on the service request form.

The City of Anacortes has completed field screening for illicit connections on all MS4 outfalls during dry weather during 2015, this exceeds the requirement to screen 40% of the MS4 no later than December 31, 2017. However, the city will continue to at the very least to inspect and collect samples at MS4 outfalls F01, F03 and F04 in cooperation with the Samish Indian Nation.

The Samish Indian Nation will begin Optical Brightener monitoring during 2016. The City of Anacortes will work cooperatively with the Samish following established protocol in the IDDE Program to trace any identified positive samples up the drainage basin to identify the source.

The city intends to work in cooperation with both the Samish Nation and the Fidalgo Bay Aquatic Reserve CAC to identify any ongoing source of fecal coliform bacteria, as well as to identify the source of nitrite/nitrates found in Fidalgo Bay outfalls.

Permittee's shall train staff who are responsible for identification, investigation, termination, cleanup and reporting of illicit discharges, including spills, and illicit connections, to conduct these activities

During the internal coordination meetings for the implementation of the LID permit requirements the Stormwater Coordinator will provide ongoing training to the all departments (including Parks, Police and Fire) on ID/IC identification and reporting.

The Street/Sewer crew will receive refresher training specific to IDDE.

All ID/IC incidents are logged by the administrative staff when reported via the hotline, or directly by phone to the published contact numbers. The IDDE program contains a specific protocol for completing records regarding all IDDE events. Both paper and electronic records are kept.

Permit condition S5.C.4 Controlling Runoff from New Development, Redevelopment and Construction Sites

Section S5.C.4.a-g of the permit lists the following requirements:

- Implement an ordinance or other enforceable mechanism that addresses runoff from new development, redevelopment, and construction projects in a manner that meets the minimum requirements established by Ecology.

- Include a permitting process with plan review, inspection, and enforcement capability to meet the standards listed in S5.C4 bi-iv (e.g. proper installation and maintenance of erosion control BMPs during construction and for permanent stormwater facilities prior to final approval, presence of an inspection program and records of inspections, an enforcement strategy to respond to issues of non-compliance) for both private and public projects, using qualified personnel.
- No later than December 31, 2016, Include provisions to verify adequate long-term operation and maintenance (O&M) of all stormwater treatment and flow control BMPs/facilities.
- Make available as applicable copies of the Notice of Intent for Construction Activity and copies of the Notice of Intent for Industrial Activity to representatives of proposed new development and redevelopment. Permittees shall continue to enforce local ordinances controlling runoff from sites that are also covered by stormwater permits issued by Ecology.
- Ensure that all staff whose primary job duties are implementing the program to control stormwater runoff from new development, redevelopment, and construction sites, including permitting, plan review, construction site inspections and enforcement, are trained to address changes in procedures, techniques, or staffing. Permittees shall document and maintain records of the training provided and staff trained.
- By December 31, 2016, revise and implement provisions in the development code regarding techniques for low impact development (LID) that make LID the preferred and commonly-used approach to site development, in order to minimize impervious surfaces, native vegetation loss, and stormwater runoff in all types of development situations. Permittees shall conduct a similar review and revision process, and consider the range of issues, outlined in the following document: *Integrating LID into local codes: A Guidebook for Local Government* (Puget Sound Partnership, 2012) and shall submit a summary of the results of the review and revision process in the annual report due no later than March 31, 2017.
- Watershed-scale stormwater planning currently does not apply to the City of Anacortes.

During 2016 City Staff will review the Comprehensive Plan, Engineering Standards and the Municipal Code for impediments to the implementation of the adoption of LID as the preferred alternative to traditional stormwater conveyance. At numerous times stakeholder groups and the general public will be invited to participate in the LID implementation process. Stormwater impacts and the problems that stormwater generates in the Puget Sound will be discussed at various time during these meetings. The following is a tentative schedule of these events:

- January – February – Kulshan Services to review Municipal Code, City of Anacortes Comprehensive Plan and Engineering Standards for barriers to LID implementation.
- February 23, 2016 - present LID overview and proposed changes to the Engineering Standards to the internal coordination committee (DRG Group). Solicit comments from the group.
- February 23, 2016 – First municipal code revision committee meeting, code revision committee consisting of the Council Public Works Advisory Committee members (2); the City Attorney, the Public Works Director, the Assistant Public Works Director, the Stormwater Coordinator and the

city's consultant for LID implementation, Kulshan Services. Review suggested code modifications. Schedule the next meeting as necessary.

- March 8, 2016 – External stakeholders meeting with local design consultants/engineers, architects, Invite the public with an advertisement of the meeting in the newspaper. Provide information on the progress made to date. Present examples of LID required changes to the Engineering Standards.
- March through end of May - Up to two additional stakeholder meetings (both internal and external) to be held to review proposed code and standards changes. Advertise meetings in the newspaper. Solicit comments from stakeholders and members of the public.
- May through June – brief the internal team on proposed changes to code and standards.
- July – conduct a legal review of all proposed changes.
- August – Finalize code revisions, standard and all guideline revisions, public hearing at the Planning Commission.
- September – October – incorporate comments, present the Municipal Code, Engineering Standards and guidelines to the City Council, public hearing as required.
- November 7, 2016 – Present all finalized documents to the City Council for adoption.

At the completion of the process the described above all of the required elements of S5.C.4 will be met.

Permit condition S5.C. Municipal Operation and Maintenance

Section S5.C.5 requires that each Permittee implement an operations and maintenance (O&M) program that includes a training component and has the ultimate goal of preventing or reducing pollutant runoff from municipal operations. The minimum performance measures are:

- Each Permittee shall implement maintenance standards that are as protective, or more protective, of facility function than those specified in Chapter 4 of Volume V of the *Stormwater Management Manual for Western Washington*. For facilities which do not have maintenance standards, the Permittee shall develop a maintenance standard. No Later than December 31, 2016, Permittees shall update their maintenance standards as necessary to meet the requirements of Section S5.C.5.
- Annually inspect all municipally owned or operated permanent stormwater treatment and flow control BMPs/facilities, take appropriate maintenance actions in accordance with the adopted maintenance standards.
- Spot check potentially damaged permanent stormwater treatment and flow control BMPs/facilities after major storm events and conduct repairs or take appropriate maintenance action.
- Inspect all catch basins and inlets owned or operated by the Permittee at least once before August 1, 2017 and every two years thereafter. Clean catch basins if inspection indicates cleaning is needed to comply with maintenance standards in the *Stormwater Management Manual for Western Washington*.
- Establish an inspection program designed to inspect all sites and achieve at least 95% of inspections.

- Implement policies and procedures to reduce impacts associated with runoff from all lands owned and maintained by the City, and road maintenance activities under functional control of the City. Lands owned or maintained by the City include streets, parking lots, roads, highways, buildings, parks, open space, right-of-ways, maintenance yards, and stormwater treatment and flow control BMPs/facilities.
- Implement an ongoing training program for City employees whose construction, operations, or maintenance job functions may impact stormwater quality. The training program shall address the importance of protecting water quality, operation and maintenance standards, inspection procedures, selecting appropriate BMPs, ways to perform their job activities to prevent or minimize impacts to water quality, and procedures for reporting water quality concerns. Document and maintain records of training provided and staff trained.
- Implement a stormwater pollution prevention plan (SWPPP) for all heavy equipment maintenance or storage yards and material storage facilities owned or operated by the City in areas subject to this Permit that are not required to have coverage under the *General NPDES Permit for Stormwater Discharges Associated with Industrial Activities* or another NPDES permit that authorizes stormwater discharge associated with the activity. The SWPPP shall include a schedule for implementation of structural BMPs.
- Maintain records of inspections and maintenance or repair activities.

Municipal Operation and Maintenance Planned Activities for 2016

Maintenance Standards

- Anacortes will formally adapt the 2012 Stormwater Management Manual for Western Washington as the source of maintenance standards.

Stormwater Treatment Facility Inspections

- During 2015 Anacortes inspected all inspect all municipally owned or operated permanent stormwater treatment and flow control BMPs/facilities. Anacortes intends to repeat this performance during 2016.

Spot Check after 10 Year Storm Events

- After major storm events spot inspections of stormwater treatment and flow control/BMP devices shall be conducted. If damage is discovered, all treatment and flow control/BMP devices shall be inspected.

Inspect all catch basins and inlets owned or operated by the Permittee at least once before August 1, 2017 and every two years thereafter.

- The Street/Sewer crew intends to have all catch basins in the City of Anacortes cleaned and inspected prior to the end of 2016. There are 4133 catch basins in Anacortes, and approximately 190 have not yet been cleaned.

Establish an inspection program designed to inspect all sites and achieve at least 95% of inspections.

- The timeline for this condition is August 1, 2017. The city plans on developing an inspection program to meet this requirement by that date. The City is updating to a computerized asset management program. All stormwater infrastructure maintenance will be scheduled and maintenance records will be stored in this program.

Policies and procedures to reduce impacts associated with runoff from all lands owned and maintained by the City, and road maintenance activities under functional control of the City

- These policies are currently in place and being followed
- The policy will be reviewed and updated as necessary during 2016

Implement an ongoing training program for City employees whose construction, operations, or maintenance job functions may impact stormwater quality. Planned training for 2016 includes:

- Manufacturer provided video training on Vortec and Stormceptor device maintenance
- Excal Visual Site Cast Site-Specific training on stormwater pollution prevention
- Excal Visual IDDE training

Implement a stormwater pollution prevention plan (SWPPP) for all heavy equipment maintenance or storage yards and material storage facilities owned or operated by the City

- The required SWPPP is in place. It will be reviewed with the Operations staff during 2016. The SWPPP will be updated as necessary.

Maintain records of inspections and maintenance or repair activities.

- Records are maintained of all inspections that have been conducted.
- The record keeping system will be updated during 2016 and integrated with a new computerized asset management program

Permit condition S7 - Compliance with TMDL's

There currently are no TMDL for discharges from the Anacortes MS4

Permit condition S8 - Monitoring and Assessment

This section summarizes permit requirements related to stormwater monitoring and assessment (Section S8) and describes current and planned activities related to these requirements.

The City of Anacortes has elected to pay into the Regional Stormwater Monitoring Program to meet the requirements of this permit condition.



City of Anacortes
Stormwater Management Program (SWMP) Plan
Documentation

For Calendar Year 2016

City of Anacortes
901 6th Street
Anacortes, WA 98221

Prepared By
John Franz
Stormwater Coordinator
March 2016

INTRODUCTION

This document has been prepared in accordance with the Western Washington Phase II Municipal Stormwater Permit (the permit) issued by the Department of Ecology (Ecology) on August 1, 2012. This permit applies to the City of Anacortes from August 1, 2012 through July 31, 2018. This permit was amended by Ecology on January 16, 2015.

The permit authorizes municipalities to discharge stormwater runoff into the State's surface waters and groundwater provided Permit-specified actions and activities are implemented to protect the receiving waters.

Section S5.A of the permit requires each Permittee to develop and implement a Stormwater Management Program or SWMP. The SWMP is a set of actions and activities to comply with permit conditions S5, S7 and S8. Permit condition S5.A.2 requires each permittee to prepare written documentation of the SWMP, and calls this document the SWMP Plan (herein referred to as the plan). The plan shall be organized according to the program components in S5.C, and updated annually. The primary purpose of the plan is to inform the public of the SWMP activities for the upcoming year. The plan is required to include a description of activities required to comply with the following permit conditions:

- Planned activities for each of the components in S5.C
 - Public Education and Outreach
 - Public Involvement and Participation
 - Illicit Discharge Detection and Elimination
 - Controlling Runoff from New Development, Redevelopment and Construction Sites
 - Pollution Prevention in Municipal Operations
- Any additional planned actions to meet the requirements of applicable TMDLs pursuant to S7 Compliance with Total Maximum Daily Load Requirements.
- Planned action to meet the requirements of S8 Monitoring and Assessment

Stormwater Management in Anacortes

Anacortes has a population of approximately 16,080 and covers approximately 11.7 square miles of land area. Anacortes is largely a built-out community. The majority of the stormwater runoff from Anacortes eventually drains into Puget Sound; into either Fidalgo Bay, Guemes Channel, or Burrows Bay. Incorporated in 1891, Anacortes has been active in: seafood harvesting and processing, natural resource refining: wood products and oil, boat building, maintenance, shipping, harbor, ferry and port tourism, home building, retail vitality, maintaining natural beauty and creating city parks.

The City of Anacortes is committed to meeting the compliance requirements and deadlines of the permit. The stormwater management program in Anacortes is led by the Assistant Public Works Director/Stormwater Program Manager in the City's Public Works Department, Engineering Division.

The Stormwater permit compliance activities are led by the stormwater permit coordinator. The coordinator works closely with the following:

- Public Works Department
 - Street/Storm Manager and Crew
 - Engineering Staff and Technicians
 - Wastewater Staff
- Planning, Community and Economic Development Departments – Planners

Document Organization

This document is organized to follow the sequence of permit requirements S5.C.1, S7 and S8, as required by the permit. Generally the minimum performance measures in each permit condition are provided in the plan followed by the City of Anacortes plan to comply with each performance measure.

STORMWATER MANAGEMENT PROGRAM PLAN ELEMENTS

Permit condition S5.C.1 Public Education and Outreach

Permit Section S5.C.1 states that the SWMP shall include an education and outreach program designed to reduce or eliminate behaviors and practices that cause or contribute to adverse stormwater impacts and encourage the public to participate in stewardship activities. The educational program may be developed and implemented locally or regionally. The Permit lists the following minimum performance measures for compliance with this element. Each permittee shall:

- Provide an education and outreach program for the area served by the MS4. The program shall be designed to educate target audiences about the stormwater problem and provide specific actions they can follow to minimize the problem.
- Create stewardship opportunities and/or partner with existing organizations to encourage residents to participate in activities such as stream teams, storm drain marking, volunteer monitoring, riparian planting and education activities.
- Measure the understanding and adoption of targeted behaviors for at least on target audience in at least on subject area. No later than February 2, 2016, Permittees shall use the resulting measurements to direct education and outreach resources most effectively, as well as to evaluate changes in adoption of the targeted behaviors. Permittees may meet this requirement individually or as a member of a regional group.

Planned Education and Outreach Activities to Related to the Implementation LID requirements

During 2016 City Staff will review the Comprehensive Plan, Engineering Standards and the Municipal Code for impediments to the implementation of the adoption of LID as the preferred alternative to traditional stormwater conveyance. At numerous times stakeholder groups and the general public will be invited to participate in the LID implementation process. Stormwater impacts and the problems that stormwater generates in the Puget Sound will be discussed at various time during these meetings. The following is a tentative schedule of these events:

- January – February – Kulshan Services to review Municipal Code, City of Anacortes Comprehensive Plan and Engineering Standards for barriers to LID implementation.
- February 23, 2016 - present LID overview and proposed changes to the Engineering Standards to the internal coordination committee (DRG Group). Solicit comments from the group.
- February 23, 2016 – First municipal code revision committee meeting, code revision committee consisting of the Council Public Works Advisory Committee members (2); the City Attorney, the Public Works Director, the Assistant Public Works Director, the Stormwater Coordinator and the city's consultant for LID implementation, Kulshan Services. Review suggested code modifications. Schedule the next meeting as necessary.
- March 8, 2016 – External stakeholders meeting with local design consultants/engineers, architects, Invite the public with an advertisement of the meeting in the newspaper. Provide information on the progress made to date. Present examples of LID required changes to the Engineering Standards.

- March through end of May - Up to two additional stakeholder meetings (both internal and external) to be held to review proposed code and standards changes. Advertise meetings in the newspaper. Solicit comments from stakeholders and members of the public.
- May through June – brief the internal team on proposed changes to code and standards.
- July – conduct a legal review of all proposed changes.
- August – Finalize code revisions, standard and all guideline revisions, public hearing at the Planning Commission.
- September – October – incorporate comments, present the Municipal Code, Engineering Standards and guidelines to the City Council, public hearing as required.
- November 7, 2016 – Present all finalized documents to the City Council for adoption.

Planned Public Education and Outreach Activities not related to LID

The City currently is working with four organizations to the fulfill requirements of this permit condition:

- The Anacortes High School
 - During 2015 the City began working directly with the Anacortes High School through the Green Club and the High School Broadcast Club.
 - The work with the Green Club not only provided an opportunity for class room education but the students performed field work installing a rain garden in Anacortes.
 - The Broadcast Club and produced a high quality video of a rain garden installation in 2015.
 - The City will assist in the development a second rain garden to be installed and planted by the Green Club, and documented in a video by the Broadcast Club.
 - During 2016 the Stormwater Coordinator will meet with the Green Club three times to discuss stormwater and the impacts of stormwater on the Puget Sound.
 - The City will work with the Green Club to present information regarding the effects of pet waste to dog owners at the annual Bark in the Park event. At the end of the event an attempt will be made to evaluate the behavioral change of the public education effort.
 - The City will assist the Green and Broadcast Clubs in the coordination of a video about car washing, and/or the use of lawn chemicals.
 - The high school Green Club has volunteered to install storm drain markers.
- The Samish Indian Nation
 - Anacortes has been working in cooperation with the Samish Indian Nation monitoring storm drain outfalls and conducting IDDE investigations. This effort will continue during 2016 with a planned expansion of analytical procedures to detect IDDE, specifically the Samish Nation intends to perform Optical Brightener Monitoring. The Stormwater Coordinator will assist in locating testing sites and tracking any positive indications up the stormwater drainage basin to identify potential sources.
- Fidalgo Bay Aquatic Reserve Citizen Stewardship Committee
 - The Fidalgo Bay Aquatic Reserve Citizen Stewardship Committee has been offered an opportunity to participate in volunteer monitoring, been invited to participate in SWMP Plan development as well as LID program implementation.
- The Skagit Conservation District
 - The Skagit Conservation District (SCD) will organize and implement two public workshops focusing on Private Stormwater Facility Maintenance. The target audience for this group will be Home Owner Associations, private stormwater facility owners, and the general

public. These workshops will focus on educating the audience on their responsibilities to maintain their private stormwater facilities.

- SCD will organize and present the Watershed Masters Volunteer Training Program. This program will provide 40 hours of training and will focus on: providing presentations/training to the Watershed Masters (WSM) on City stormwater program priorities through classroom and fieldtrip activities. Topics covered include, but are not limited to: watershed history and geology, water quality, stream ecology, salmon, wetlands and soils, agricultural and forestry Best Management Practices (BMPs), stormwater runoff and activities that landowners can do to reduce stormwater water quality impacts, and low impact development practices. Content of coursework will be coordinated with City staff to meet the needs of City stormwater program. Participants will return 40 hours of volunteer service and make a commitment to reduce stormwater runoff impacts in their own backyards.
- The SCD will manage the local Stream Team Program. This year the focus will shift to the Happy Valley stream. The primary purposes of the program are: to inspire stewardship in regards to water quality by educating citizens about land use, stormwater runoff, and nonpoint source pollution and involving them in the process of water quality data gathering; to develop and implement a routing sampling program that can be used to assess water quality trends, characterize the existing water quality of priority freshwater drainages, and to determine how water quality conditions compare to State Standards; and to document improvements in water quality as a result of the implementation of BMPs. A Quality Assurance/Quality Control (QA/QC) plan and lab plan for the Stream Team program have been approved by the Washington Department of Ecology. Water quality conditions monitored by volunteers currently include: fecal coliform bacteria, dissolved oxygen, water temperature, turbidity, and total depth.
- The Backyard Conservation Stewardship Short Course Program is also conducted by the SCD. This annual 6-week short course will feature tips for native plant landscaping, environmentally friendly gardening practices, composting, mulching, nutrient management, pest management, landscaping for wildlife, water conservation tips, low impact development practices for homeowners, and overall, backyard practices that will reduce stormwater runoff pollution. The training will be provided by local experts. Participants will attend six evening sessions (once a week) and two Saturday field excursions. The following topics will be included in the training: Proper use and disposal of pesticides, herbicides, and fertilizers, and use of non-toxic alternatives; use of native plants in landscaping, reducing size of lawn,; preventive car maintenance, including proper disposal of used oil, coolant, and other toxic materials; use of permeable pavement for driveways and patios; proper disposal of pet waste and livestock waste and composting.
- The District will organize and implement a public workshop focusing on education and outreach to local contractors and businesses on a variety of Low Impact Development (LID) techniques.
- Through the SCD, the City currently provides the following brochures, booklets, fact sheets and other written materials for the general public as well as specific target businesses. These are available in hard copy form from Engineering Dept. at City Hall, the Parks Dept., at the City Library or on the City website or Skagit Conservation District website. The following is a partial list of available printed materials:
 - Low Impact Development: Coming to a Neighborhood Near You
 - Good Cleaning Practices for the Food & Restaurant Industry
 - Planning & Planting a Sustainable Landscape
 - Watering Wisely
 - Think Twice Before Using Pesticides

- Natural Lawn Care
- Good Cleaning Practices for the Automotive Industry
- Best Management Practices for Power Washing
- Best Management Practices for Mobile Carpet Cleaners
- Soil & Mulch: The foundation of a healthy yard
- Rain Garden Handbook for Western Washington: A Guide for Design, Installation and Maintenance

Permit condition S5.C.2 Public Involvement and Participation

Section S5.C.2. of the permit states that Permittees shall provide ongoing opportunities for public involvement and participation through advisory councils, public hearings, watershed committees, participation in developing rate-structures, or other similar activities. Each Permittee shall comply with applicable state and local public notice requirements when developing elements of the SWMP. The minimum performance measures are:

- Permittees shall create opportunities for the public to participate in the decision-making process involving the development, implementation and update of the Permittee's SWMP.
- Each Permittee shall post on their website, their SWMP Plan and the annual report required under S9.A no later than May 31 each year. All other submittals shall be available to the public upon request.

Planned Public Involvement and Participation Activities:

- The Samish Indian Nation and the Fidalgo Bay Aquatic Reserve Citizen Advisory Committee were invited to a meeting to develop the 2016 SWMP Plan. This meeting was conducted on February 12, 2016. Both the Samish Indian Nation and the Fidalgo Bay Aquatic Reserve CAC were represented at the meeting.
- Public participation will be solicited at a public hearing of the City of Anacortes Planning Commission open meeting. The meeting will be advertised as required.

Public Involvement and Participation Opportunities Related to the Implementation of LID Requirements Planned Activities

During 2015 the City was working on updates the City Comprehensive Plan. Changes to this document to eliminate barriers to LID were part of the update effort. The changes to the City Comprehensive Plan have incorporated extensive opportunities for public participation, and during 2016 there will continue to be opportunities for the public to participate in the Comprehensive Plan.

During 2016 City Staff will review the Engineering Standards and the Municipal Code for impediments to the implementation of the adoption of LID as the preferred alternative to traditional stormwater conveyance. The following is a tentative schedule of opportunities for the public to participate in the review and adoption of the new codes and standards:

- March 8, 2016 – External stakeholders meeting with local design consultants/engineers, architects, and local contractors to present LID overview and solicit comments on Engineering Standards. Advertise meeting in the newspaper and invite the public.

- March through end of May - Up to two additional stakeholder meetings (both internal and external) to be held to review proposed code and standards changes. Invite public participation with an advertisement in the newspaper and postings on the city website.
- August – Finalize code revisions, standard and all guideline revisions, public hearing at the Planning Commission.
- September – October – incorporate comments, present the Municipal Code, Engineering Standards and guidelines to the City Council, public hearing as required.
- November 7, 2016 – Present all finalized documents to the City Council for adoption.

Permit condition S5.C.3 Illicit Discharge Detection and Elimination

The SWMP shall include an ongoing program designed to prevent, detect, characterize, trace and eliminate illicit connections and illicit discharges into the MS4. The minimum performance measures are:

- Mapping of the MS4 shall continue on an ongoing basis. MS4 maps shall be periodically undated.
- Each Permittee shall implement an ordinance or other regulatory mechanism to effectively prohibit non-stormwater, illicit discharges into the Permittee's MS4 to the maximum extent allowable under state and federal law.
- Each Permittee shall implement an ongoing program designed to detect and identify non-stormwater discharges and illicit connections into the Permittee's MS4.
- Each Permittee shall implement an ongoing program designed to address illicit discharges, including spills, and illicit connections, into the Permittee's MS4.
- Permittees shall train staff who are responsible for identification, investigation, termination, cleanup and reporting of illicit discharges, including spills, and illicit connections, to conduct these activities. Follow-up training shall be provided as needed to address changes in procedures, techniques, requirements or staffing. Permittees shall document and maintain records of the training provided and the staff trained.
- Recordkeeping: Permittees shall track and maintain records of the activities conducted to meet the requirements of this section.

Mapping Activities

This City has an excellent GIS system which includes Storm system mapping and a database containing information related to stormwater. This system is being upgraded during 2016.

This MS4 map is updated on a continuous basis in a cooperative effort between the Street/Sewer Department, the Stormwater Coordinator and the GIS Coordinator.

Two engineering students were hired during the summer months of 2015 to work on IDDE and Municipal Operations and Maintenance. The interns were able to check the location of various MS4 system components and some corrections were made to the MS4 map. The City of Anacortes is planning to hire interns again in the summer of 2016 to continue this work.

Illicit Discharge Ordinance

In August 2009, the City Council adopted City Ordinance 2802, updating the code to be consistent with the permit Illicit Discharge/Illicit Connection detection and elimination requirements.

During 2016 the municipal code will be updated for LID provision of the permit. During this process the IDDE code will be reviewed for compliance, and to ensure that the escalation of enforcement provisions are clear.

Program to detect and identify non-stormwater discharges and illicit connections into the Permittee's MS4

During 2015 the public has been a very good, active source of reports regarding illicit discharge to the MS4. The City of Anacortes maintains a hot line reporting number on the city website. The City's Stormwater Coordinator and Public Works maintenance crews will continue to respond to incidents, investigate and determine appropriate response, document details of the incident and response, and log the information on the service request form.

The City of Anacortes has completed field screening for illicit connections on all MS4 outfalls during dry weather during 2015, this exceeds the requirement to screen 40% of the MS4 no later than December 31, 2017. However, the city will continue to at the very least to inspect and collect samples at MS4 outfalls F01, F03 and F04 in cooperation with the Samish Indian Nation.

The Samish Indian Nation will begin Optical Brightener monitoring during 2016. The City of Anacortes will work cooperatively with the Samish following established protocol in the IDDE Program to trace any identified positive samples up the drainage basin to identify the source.

The city intends to work in cooperation with both the Samish Nation and the Fidalgo Bay Aquatic Reserve CAC to identify any ongoing source of fecal coliform bacteria, as well as to identify the source of nitrite/nitrates found in Fidalgo Bay outfalls.

Permittee's shall train staff who are responsible for identification, investigation, termination, cleanup and reporting of illicit discharges, including spills, and illicit connections, to conduct these activities

During the internal coordination meetings for the implementation of the LID permit requirements the Stormwater Coordinator will provide ongoing training to the all departments (including Parks, Police and Fire) on ID/IC identification and reporting.

The Street/Sewer crew will receive refresher training specific to IDDE.

All ID/IC incidents are logged by the administrative staff when reported via the hotline, or directly by phone to the published contact numbers. The IDDE program contains a specific protocol for completing records regarding all IDDE events. Both paper and electronic records are kept.

Permit condition S5.C.4 Controlling Runoff from New Development, Redevelopment and Construction Sites

Section S5.C.4.a-g of the permit lists the following requirements:

- Implement an ordinance or other enforceable mechanism that addresses runoff from new development, redevelopment, and construction projects in a manner that meets the minimum requirements established by Ecology.

- Include a permitting process with plan review, inspection, and enforcement capability to meet the standards listed in S5.C4 bi-iv (e.g. proper installation and maintenance of erosion control BMPs during construction and for permanent stormwater facilities prior to final approval, presence of an inspection program and records of inspections, an enforcement strategy to respond to issues of non-compliance) for both private and public projects, using qualified personnel.
- No later than December 31, 2016, Include provisions to verify adequate long-term operation and maintenance (O&M) of all stormwater treatment and flow control BMPs/facilities.
- Make available as applicable copies of the Notice of Intent for Construction Activity and copies of the Notice of Intent for Industrial Activity to representatives of proposed new development and redevelopment. Permittees shall continue to enforce local ordinances controlling runoff from sites that are also covered by stormwater permits issued by Ecology.
- Ensure that all staff whose primary job duties are implementing the program to control stormwater runoff from new development, redevelopment, and construction sites, including permitting, plan review, construction site inspections and enforcement, are trained to address changes in procedures, techniques, or staffing. Permittees shall document and maintain records of the training provided and staff trained.
- By December 31, 2016, revise and implement provisions in the development code regarding techniques for low impact development (LID) that make LID the preferred and commonly-used approach to site development, in order to minimize impervious surfaces, native vegetation loss, and stormwater runoff in all types of development situations. Permittees shall conduct a similar review and revision process, and consider the range of issues, outlined in the following document: *Integrating LID into local codes: A Guidebook for Local Government* (Puget Sound Partnership, 2012) and shall submit a summary of the results of the review and revision process in the annual report due no later than March 31, 2017.
- Watershed-scale stormwater planning currently does not apply to the City of Anacortes.

During 2016 City Staff will review the Comprehensive Plan, Engineering Standards and the Municipal Code for impediments to the implementation of the adoption of LID as the preferred alternative to traditional stormwater conveyance. At numerous times stakeholder groups and the general public will be invited to participate in the LID implementation process. Stormwater impacts and the problems that stormwater generates in the Puget Sound will be discussed at various time during these meetings. The following is a tentative schedule of these events:

- January – February – Kulshan Services to review Municipal Code, City of Anacortes Comprehensive Plan and Engineering Standards for barriers to LID implementation.
- February 23, 2016 - present LID overview and proposed changes to the Engineering Standards to the internal coordination committee (DRG Group). Solicit comments from the group.
- February 23, 2016 – First municipal code revision committee meeting, code revision committee consisting of the Council Public Works Advisory Committee members (2); the City Attorney, the Public Works Director, the Assistant Public Works Director, the Stormwater Coordinator and the

city's consultant for LID implementation, Kulshan Services. Review suggested code modifications. Schedule the next meeting as necessary.

- March 8, 2016 – External stakeholders meeting with local design consultants/engineers, architects, Invite the public with an advertisement of the meeting in the newspaper. Provide information on the progress made to date. Present examples of LID required changes to the Engineering Standards.
- March through end of May - Up to two additional stakeholder meetings (both internal and external) to be held to review proposed code and standards changes. Advertise meetings in the newspaper. Solicit comments from stakeholders and members of the public.
- May through June – brief the internal team on proposed changes to code and standards.
- July – conduct a legal review of all proposed changes.
- August – Finalize code revisions, standard and all guideline revisions, public hearing at the Planning Commission.
- September – October – incorporate comments, present the Municipal Code, Engineering Standards and guidelines to the City Council, public hearing as required.
- November 7, 2016 – Present all finalized documents to the City Council for adoption.

At the completion of the process the described above all of the required elements of S5.C.4 will be met.

Permit condition S5.C. Municipal Operation and Maintenance

Section S5.C.5 requires that each Permittee implement an operations and maintenance (O&M) program that includes a training component and has the ultimate goal of preventing or reducing pollutant runoff from municipal operations. The minimum performance measures are:

- Each Permittee shall implement maintenance standards that are as protective, or more protective, of facility function than those specified in Chapter 4 of Volume V of the *Stormwater Management Manual for Western Washington*. For facilities which do not have maintenance standards, the Permittee shall develop a maintenance standard. No Later than December 31, 2016, Permittees shall update their maintenance standards as necessary to meet the requirements of Section S5.C.5.
- Annually inspect all municipally owned or operated permanent stormwater treatment and flow control BMPs/facilities, take appropriate maintenance actions in accordance with the adopted maintenance standards.
- Spot check potentially damaged permanent stormwater treatment and flow control BMPs/facilities after major storm events and conduct repairs or take appropriate maintenance action.
- Inspect all catch basins and inlets owned or operated by the Permittee at least once before August 1, 2017 and every two years thereafter. Clean catch basins if inspection indicates cleaning is needed to comply with maintenance standards in the *Stormwater Management Manual for Western Washington*.
- Establish an inspection program designed to inspect all sites and achieve at least 95% of inspections.

- Implement policies and procedures to reduce impacts associated with runoff from all lands owned and maintained by the City, and road maintenance activities under functional control of the City. Lands owned or maintained by the City include streets, parking lots, roads, highways, buildings, parks, open space, right-of-ways, maintenance yards, and stormwater treatment and flow control BMPs/facilities.
- Implement an ongoing training program for City employees whose construction, operations, or maintenance job functions may impact stormwater quality. The training program shall address the importance of protecting water quality, operation and maintenance standards, inspection procedures, selecting appropriate BMPs, ways to perform their job activities to prevent or minimize impacts to water quality, and procedures for reporting water quality concerns. Document and maintain records of training provided and staff trained.
- Implement a stormwater pollution prevention plan (SWPPP) for all heavy equipment maintenance or storage yards and material storage facilities owned or operated by the City in areas subject to this Permit that are not required to have coverage under the *General NPDES Permit for Stormwater Discharges Associated with Industrial Activities* or another NPDES permit that authorizes stormwater discharge associated with the activity. The SWPPP shall include a schedule for implementation of structural BMPs.
- Maintain records of inspections and maintenance or repair activities.

Municipal Operation and Maintenance Planned Activities for 2016

Maintenance Standards

- Anacortes will formally adapt the 2012 Stormwater Management Manual for Western Washington as the source of maintenance standards.

Stormwater Treatment Facility Inspections

- During 2015 Anacortes inspected all inspect all municipally owned or operated permanent stormwater treatment and flow control BMPs/facilities. Anacortes intends to repeat this performance during 2016.

Spot Check after 10 Year Storm Events

- After major storm events spot inspections of stormwater treatment and flow control/BMP devices shall be conducted. If damage is discovered, all treatment and flow control/BMP devices shall be inspected.

Inspect all catch basins and inlets owned or operated by the Permittee at least once before August 1, 2017 and every two years thereafter.

- The Street/Sewer crew intends to have all catch basins in the City of Anacortes cleaned and inspected prior to the end of 2016. There are 4133 catch basins in Anacortes, and approximately 190 have not yet been cleaned.

Establish an inspection program designed to inspect all sites and achieve at least 95% of inspections.

- The timeline for this condition is August 1, 2017. The city plans on developing an inspection program to meet this requirement by that date. The City is updating to a computerized asset management program. All stormwater infrastructure maintenance will be scheduled and maintenance records will be stored in this program.

Policies and procedures to reduce impacts associated with runoff from all lands owned and maintained by the City, and road maintenance activities under functional control of the City

- These policies are currently in place and being followed
- The policy will be reviewed and updated as necessary during 2016

Implement an ongoing training program for City employees whose construction, operations, or maintenance job functions may impact stormwater quality. Planned training for 2016 includes:

- Manufacturer provided video training on Vortec and Stormceptor device maintenance
- Excal Visual Site Cast Site-Specific training on stormwater pollution prevention
- Excal Visual IDDE training

Implement a stormwater pollution prevention plan (SWPPP) for all heavy equipment maintenance or storage yards and material storage facilities owned or operated by the City

- The required SWPPP is in place. It will be reviewed with the Operations staff during 2016. The SWPPP will be updated as necessary.

Maintain records of inspections and maintenance or repair activities.

- Records are maintained of all inspections that have been conducted.
- The record keeping system will be updated during 2016 and integrated with a new computerized asset management program

Permit condition S7 - Compliance with TMDL's

There currently are no TMDL for discharges from the Anacortes MS4

Permit condition S8 - Monitoring and Assessment

This section summarizes permit requirements related to stormwater monitoring and assessment (Section S8) and describes current and planned activities related to these requirements.

The City of Anacortes has elected to pay into the Regional Stormwater Monitoring Program to meet the requirements of this permit condition.