CITY COUNCIL MEETING AGENDA

August 6, 2012

6:00 p.m. - Special Meeting: Executive Session to discuss potential litigation and real estate acquisition

7:00 p.m. – Regular Meeting

		PAGE NO.
1. CALL TO ORDER	**2. PLEDGE OF ALLEGIANCE**	**3. ROLL CALL**
4. AGENDA CONFIRMATION		
5. PUBLIC COMMENT	Individuals will please limit their comments to three minutes, and groups to five minutes.	
6. CORRESPONDENCE FOR THE RECORD	a. Email Dated July 11, 2012, from John Poitras Regarding CARES.	3.
	b. Email Dated July 11, 2012, from John Poitras Regarding Follow Up to CARES.	5.
	c. Letter Dated July 16, 2012, from Rachael Levine Regarding North Highline Annexation.	7.
	d. Email Dated July 24, 2012, from John Poitras Regarding 2013-2014 City Budget.	9.
	e. Email Dated July 24, 2012, from Joseph A. Radmacher, Sr. Regarding 2013-2014 City Budget.	11.
	f. Letter Received July 25, 2012, from Richard and Catherine Huxford Regarding Noise and Traffic.	13.
	g. Email Dated July 26, 2012, from Mary Scharf Regarding Concerns About Burien.	15.
	h. Email Dated August 1, 2012, from Michael Noakes Regarding Recommendations from the Burien SMP Working Group.	17.
7. CONSENT AGENDA	a. Approval of Vouchers: Numbers 32162 - 32325 in the Amounts of $2,256,376.87.	35.
	b. Approval of Minutes: Regular Meeting, July 16, 2012; Study Session, July 23, 2012.	59.
	c. Motion to Adopt Ordinance No. 565, Amending the Biennial Budget to Appropriate Funds for NERA in 2012.	65.

City Hall, 400 SW 152nd Street, 1st Floor

8. BUSINESS AGENDA

9. COUNCIL REPORTS

10. ADJOURNMENT

Carol Allread

From: Public Council Inbox
Sent: Thursday, July 12, 2012 4:02 PM
To: 'John Poitras'
Subject: RE: CARES KOMO 4 and MIKE MARTIN

Dear Mr. Poitras,

Thank you for writing to the City Council to express your concerns. Your email will be included in a future Council agenda packet as Correspondence for the Record.

Carol Allread
Executive Assistant, City Manager's Office City of Burien
(206) 248-5508 Office
(206) 248-5539 Fax
carola@burienwa.gov

-----Original Message-----
From: John Poitras [mailto:poitrasjohn@comcast.net]
Sent: Wednesday, July 11, 2012 6:57 PM
To: Public Council Inbox
Cc: hteditor@robinsonnews.com; editor@b-townblog.com
Subject: CARES KOMO 4 and MIKE MARTIN

Dear Council:

I just saw Mike Martin on Channel 4 who did a piece on CARES which only told one side of the story..>>> "MIKE MARTINS"

He actually had the nerve to lie on TV and state that CARES provides much superior animal services than King County.

That is categorically false..

BURIEN CARES is animal care on the cheap and its debatable whether its adequate or not even when they FINALLY get their act together (if they ever do).

Certainly to date they have been an abject failure.

HOWEVER >>>

NO ONE EXCEPT MIKE MARTIN has the audacity to actually claim that the services provided by amateur- do-it- yourself CARES IS OR WILL EVER BE SUPERIOR TO WHAT KING COUNTY PROVIDES.

That claim by the city manager is beyond the pale.

Apparently according to KOMO 4 he is going to contract with an outside agency to perform an independent audit at tax payer expense of the BURIEN CARES operation.

My concern is that he will follow his usual pattern and will use an acquaintance or a company he has some business influence over , so what city taxpayers are funding will NOT be an independent objective report and will be slanted towards Mr. Martins agenda which is to retain CARES at all costs, whether that is best for Burien or not.

CFTR: 8/6/12
cc: Mike Martin, City Manager

Nhan Nguyen
Management Analyst

I highly recommend that the council exercise due oversight over the selection process, to try and ensure that what ever organization is contracted to do the audit is TRULY independent.

I also intend to contact KOMO 4 to give them the other side of the story that apparently got overlooked in their report.

Be aware that residents will vigorously vet whomever is awarded the contract to make sure they are not just a CYA by Mr Martin.

Sincerely,

John Poitras

Burien 98166 206 246 3405

Carol Allread

From: Public Council Inbox
Sent: Thursday, July 12, 2012 4:02 PM
To: 'poitrasjohn@comcast.net'
Subject: RE: Follow up to CARES LETTER

Dear Mr. Poitras,

Thank you for writing to the City Council to express your concerns. Your email will be included in a future Council agenda packet as Correspondence for the Record.

Carol Allread
Executive Assistant, City Manager's Office
City of Burien
(206) 248-5508 Office
(206) 248-5539 Fax
carola@burienwa.gov

From: poitrasjohn@comcast.net [mailto:poitrasjohn@comcast.net]
Sent: Wednesday, July 11, 2012 7:16 PM
To: Public Council Inbox
Cc: hteditor; editor
Subject: Follow up to CARES LETTER

Dear Burien City Council:

http://www.komonews.com/news/local/Activists-say-Buriens-experiment-in-animal-control-has-failed-162151365.html#IDCThread

>>>This is the link to the KOMO 4 web page and this is the whole article.

The the part I am concerned about.. and I quote>>>>

"King County plans to re-inspect this facility next week. In the meantime, Burien's city manager is bringing in an outside animal care expert to conduct a performance audit so people will know exactly what kind of service they're getting."

Lets make sure its not Ray Helms or someone else Mr Martin has a previous business or outside relationship with doing the performance audit. I suggest that we ask the KING COUNTY HEALTH DEPT. for a reference and use them.

Best Regards,

John

CFTR: 8/6/12
cc: Mike Martin, City Manager
Nhan Nguyen, Management Analyst

Burien, Washington
July 16, 2012

Burien City Council
400 SW 152nd St.
Burien, WA 98166

Dear Burien City Council Members,

As I recall, the majority of the Burien City Council voted to pursue the annexation of 'Area Y' of North Highline. At a subsequent meeting , the majority of you voted to go forward with a November ballot proposal for voters in that area.

Based on these actions, it is incumbent upon the Council to inform both those who will be voting on this issue as well as the rest of the citizens of Burien as to the basis for annexation and the outcomes that can be reasonably predicted for the short term. For the long term, making decisions based only on figures that are currently available may not be enough to build the loyalty and spirit every social group needs to succeed.

As you and your representatives attempt to carry out this responsibility, it is my view that those who come to meetings to gain information should not be intimidated nor out-shouted by those with another agenda. It is unacceptable to demean or harass those who are carrying out your directions. In the end, expressing differences with civility and respect will enhance the pride we should all be allowed to have in our governing body and our community,

Sincerely,
Rachael Levine
Rachael Levine
430 S. 124th St.
Burien, WA 98168-2069

CFTR: August 6, 2012
cc: Nhan Nguyen, Management Analyst

Carol Allread

From: Public Council Inbox
Sent: Tuesday, July 24, 2012 1:57 PM
To: 'poitrasjohn@comcast.net'
Subject: RE: Burien City Budget for 2013 and 2014

Dear Mr. Poitras,

Thank you for writing to the City Council to express your concerns. Your email will be included in a future Council agenda packet as Correspondence for the Record.

Sincerely,

Carol Allread
Executive Assistant, City Manager's Office
City of Burien
(206) 248-5508 Office
(206) 248-5539 Fax
carola@burienwa.gov

From: poitrasjohn@comcast.net [mailto:poitrasjohn@comcast.net]
Sent: Tuesday, July 24, 2012 10:23 AM
To: Public Council Inbox
Cc: hteditor; editor; mother
Subject: Burien City Budget for 2013 and 2014

Council Members..

It has been reported that property tax revenue in Burien is **down 8.8%** for 2012 and revenues will be **down another 4.5%** in 2013.
These figures are from the city of Burien's finance director.
This is will put a strain on resources already stretched thin with costs like Police increasing 4% according to city figures.

I want to draw the councils attention to the fact, that as the elected government of the city of Burien, the council has a fiduciary responsibility to write a fiscally responsible budget.
The residents expect the council to take budgetary measures to prevent Burien from going into the red, without having to increase taxes or reduce services to compensate for the revenue shortfalls we are currently experiencing.

The 2012-2013 budget should include the projected costs of the annexation of Area Y, since the majority on the council is determined to see it through.
One thing for certain is that the current business plan the city is using, which is based on the Berk Report, is out of date and overstates the property tax revenue from Area Y.
This is blatantly obvious, because property tax revenue in Burien is **down 8.8%** and average property valuation in **Area Y is down by 17%.**
However the property tax revenue projections in the Berk report were counting on a modest increase.

This throws a fiscal wrench into the affordability of annexation at this time and a new cost analysis of

CFTR: 08/06/12

cc: Kim Krause, Finance Director

the annexation of area Y is necessary in order to arrive at a realistic 2012-2013 budget. At the very least the property tax revenue estimate needs to be revised downward.

It is very possible an objective analysis of the annexation proposal at this time may conclude it is not fiscally feasible, without either a larger tax increase or a reduction in current services.. If this is the case then residents should have the right to know what is coming.

I think in the interests of transparent government, the residents have a right to a realistic budget, that takes into account all known factors, so we don't end up with the city in the red a couple of years down the road because of poor planning now.
We don't want an unrealistic budget that shows a light at the end of the tunnel only to find later out that light is a train.

Sincerely ;

John Poitras
Burien 98166

206 246 3405

Carol Allread

From: Public Council Inbox
Sent: Tuesday, July 24, 2012 1:57 PM
To: 'Joseph Radmacher'
Subject: RE: Year 2013-2014 Budget

Dear Mr. Radmacher,

Thank you for writing to the City Council to express your concerns. Your email will be included in a future Council agenda packet as Correspondence for the Record.

Sincerely,

Carol Allread
Executive Assistant, City Manager's Office
City of Burien
(206) 248-5508 Office
(206) 248-5539 Fax
carola@burienwa.gov

From: Joseph Radmacher [mailto:jradmacher@kginvestment.com]
Sent: Tuesday, July 24, 2012 1:27 PM
To: Public Council Inbox
Subject: Year 2013-2014 Budget

Dear Council Members of the City of Burien,

I have been informed of proposed tax increases to certain utilities due to decreases in property taxes from falling values. I believe that the City Council does not sufficiently understand this struggling economy when tax increases are considered by the members for the 2013 - 2014 budget. Tax increases on utilities affect the poorest among us as we all need utilities and pay surface water charges and the like. I propose that the Council Members consider new forms of generating more revenue without raising taxes.

For instance, many of my neighbors purchased fireworks from unincorporated King County or other cities that allow the sale and use of them around Independence Day. They use them in the City of Burien. The sounds are everywhere even though the City of Burien outlaws them. We are cheated out of the sale tax revenue. This policy makes no sense when generating tax revenue is important to avoid future budget deficits.

Here is another; how about proposing to the Highline School District to sell their food warehouse at Five Corners. Home Depot wanted to build there but Highline wouldn't sell the warehouse. A Lowes or Home Depot would generate lots of sales tax revenue. If Burien had a Wal-Mart, we would attract sales tax revenue from cities north and south of us. Or, continue working on getting a theatre at the Town Square. Or, where is the large hotel in Burien to generate sales tax revenue from SeaTac? We have no Hilton, Extended Stay, or Double-Tree. Why not? What can the Council do to promote them to build in Burien?

It is too easy to propose tax increases. Please consider growth producing measures not higher taxation.

Respectfully,

Joseph A. Radmacher, Sr.
Burien, WA – 34 year resident

CFTR: 08/06/12
CC: Kim Krause, Finance Director

jradmacher@kginvestment.com

Dear Sirs,

I'm writing this letter to inform you of a serious ENVIRONMENTAL / NOISE POLLUTION PROBLEM that is affecting our neighborhood streets between SW 108th Ave. to SW 116th Ave.on 12 th Ave SW in Burien. It appears vehicles use 12th AVE.sw to avoid 16th Ave.sw traffic lights at SW 116th ave and SW 112th ave street intersections.

From 5:40 am to midnight there are VERY LOUD FIRE TRUCKS/EMERGENCY VEHICLES, LARGE COMMERICAL DIESEL TRUCKS and a uniterruped very loud fleet of buses and cars in route to the local school twice a day. There are also HUGE CREW CAB LOUD DIESEL pickup trucks. The most annoying of all are the kid cars and trucks with the altered exhaust systems with LOUD mufflers OR NO mufflers at all. They are altered to produce as much noise as possible. They go past our homes on an average of every 3-5 minutes.

We have no Peace of Mind or Quiet in this area. We feel victimized by this as we have absolutely no control over this problem and that just makes it worse. It feels like we live next to I-5 .

We request that the city designate our area as RESIDENTAL with the appropriate signage. We also request that the speed limit be re-designated as 25 MPH instead of the current 30 MPH as it is ignored anyway. Cars Often pass on our street at between 35 and 45 MPH.

Please consider our request. Richard and Catherine Huxford.

CFTR: 08/06/12

cc: Sargeant Henry McLauclan, Burien PD
Maiya Andrews, Public Works Director

RECEIVED

JUL 25 2012

City of Burien

Carol Allread

From: Carol Allread on behalf of Burien
Sent: Monday, July 30, 2012 9:42 AM
To: 'Mary Scharf'
Subject: RE: Concerned about Burien

Dear Ms. Scharf,

Thank you for writing to the City Council to express your concerns. Your email will be included in a future Council agenda packet as Correspondence for the Record.

In the future, if you wish for your correspondence to be included in a Council agenda packet as Correspondence for the Record, please send your email to the Public Council Inbox, council@burienwa.gov.

Sincerely,

Carol Allread
Executive Assistant, City Manager's Office
City of Burien
(206) 248-5508 Office
(206) 248-5539 Fax
carola@burienwa.gov

From: Mary Scharf [mailto:mary_scharf94@hotmail.com]
Sent: Thursday, July 26, 2012 7:27 PM
To: Burien
Subject: Concerned about Burien

City of Burien Public Officials,

I live in Burien, work in Burien and am concerned that our city government is not FOR the City of Burien.

Much is being said about the leadership in Burien, much negative...do you want to keep your jobs? Really?

All is see is Burien going downhill. Businesses moving out, not in. No support from the city for business owners. No effort being made to bring visitors from the SeaTac hotels here to shop or eat.

Empty housing... businesses failing...

How can you even be thinking of annexation of White Center? You don't have your arms around the city you now have. Embrace us, then we will support you.

Why don't the citizens of Burien have a vote in the annexation? Expect reprecussions for your actions.

Mary Scharf

Mary CFTR: 08/06/12

Cc: Nhan Nguyen, Management Analyst

Carol Allread

From: Public Council Inbox
Sent: Wednesday, August 01, 2012 8:40 AM
To: 'Michael Noakes'
Subject: RE: Recommendations from the Burien SMP Working Group

Dear Mr. Noakes,

Thank you for writing to the City Council to express your concerns. Your email will be included in a future Council agenda packet as Correspondence for the Record.

Carol Allread
Executive Assistant, City Manager's Office City of Burien
(206) 248-5508 Office
(206) 248-5539 Fax
carola@burienwa.gov

-----Original Message-----
From: Michael Noakes [mailto:noakes.michael@gmail.com]
Sent: Tuesday, July 31, 2012 11:04 PM
To: Public Council Inbox; Monica Lusk
Subject: Recommendations from the Burien SMP Working Group

Ms. Lusk,

I would be grateful if you would include the attached cover letter (1 page) and memo (16 pages) in the Correspondence for the Record in the Council Packet for the meeting on Monday August 6.
Please do not hesitate to contact me if any clarification or corrections are required on my part to support this.

With thanks and best regards,

Michael Noakes

CFTR: 08/06/12

CC: David Johanson, Senior Planner
Scott Greenberg, Director of Community Development

Michael Noakes
16409 Maplewild Ave SW
Burien WA 98166

July 31, 2012

City Hall
400 SW 152nd St Suite 300
Burien WA 98166

Residents of Burien and Members of the City Council,

On behalf of the Burien Shoreline Master Program Working Group I am pleased to submit the attached memo, *Recommendations for Completing the Burien SMP,* that we hope will serve as the basis for completing Burien's required update to its Shoreline Master Program (SMP).

Our group has spent considerable effort considering *The 4 Points of Contention* that emerged between Burien and DOE as a result of DOE's review of Burien's submission for the SMP update. We have developed recommendations for each of these issues, including reference language, that we submit to the Council for consideration and public review.

The work products of this effort are

1. the attached memo
2. a redlined update to the City's original submission that includes
   a) all of the required and recommended changes that the City approved in the spring of 2011
   b) the reference language for these proposals using a different highlighting style
3. a *Supplement to the Shoreline Inventory* that provides additional detail on existing conditions
4. a *Supplement to the Shoreline Analysis* with a synthesis of the inventory for planning purposes
5. a *Supplement to the Cumulative Impacts Analysis* (work in progress)

We discussed our concepts with representatives of the Department of Ecology at a few strategic points. Towards the end of this effort we delivered a near final version of the attached memo and a preview version of the information in the *Supplement to the Shoreline Inventory* to provide a clear explanation of our proposals. These documents were subject to a preliminary review at DOE and the feedback that we received was extremely encouraging. It was suggested that, once completed and finalized, these concepts were likely to be approvable during a formal review sequence if the Burien Council makes the decision to submit an SMP update based on this work.

We intend to submit the final version of the memo and the draft versions of the supplements for an additional review in the near future and expect to receive continued support for these approaches.

We ask that Council add a formal contemplation of these proposals to the Council agenda at a time of your convenience with the associated opportunities for public comment. If it would be helpful to Council, I would be happy to develop a brief introduction of the material at the beginning of this process.

Thank you for considering this request,

Yours respectfully,

Michael D. Noakes
Burien SMP Working Group

Recommendations for Completing the Burien SMP
Burien SMP Working Group

July 31, 2012

Executive Summary:
In late 2011 the City Council formed a small Working Group, composed of 5 volunteer residents of Burien, to develop recommendations for resolving the "four issues" that prevented final approval of the Shoreline Master Program (SMP) update by the Washington State Department of Ecology (DOE).

The working group has developed a majority view for each issue and captured each solution using reference language. We have also prepared supplements to the Shoreline Inventory, to the Shoreline Analysis, and to the Cumulative Impacts Analysis to support these proposals.

The four issues that we considered are:

1. **Integration of Critical Area Ordinances (CAO)**: DOE indicated that certain exemptions and exceptions in the city's CAO, which is included by reference in the SMP, should not be part of the SMP. We are inclined to agree with the direction set by DOE but we have tried to clarify the language.

2. **Flood Hazard reduction and shoreline stabilization**: DOE added a regulation that limits new development that would require flood hazard reduction or shoreline stabilization for the lifetime of the development. Ambiguity in the language raised concerns with this proposal. We have clarified the underlying intent of this language and recommend a minor change that we believe resolves the concern. Additionally we recommend that this new regulation be applied separately to 20.30.030 (Flood Hazard Reduction) and 20.30.070 (Bulkheads and Other Shoreline Stabilization Structures).

3. **Launching boats on Lake Burien**: DOE objected to a provision that banned the launching of boats on Lake Burien from public access points if public access is ever achieved. We believe the City should accept the DOE change.

4. **Buffer standards for Marine**: DOE concluded that the submitted SMP did not demonstrate that the no-net-loss standard would be met with a (20 + 0)' buffer standard for the Shoreline Residential portion of the Marine shoreline. DOE indicated that the earlier (50 + 15)' standard could be approved. We have developed an approach that represents a balance between these standards while enhancing protection of existing structures and improving predictability for permit applicants.

The reference language that we have developed has received a preliminary review by representatives at DOE and they have indicated that these approaches are likely to be approved by a formal SMP review if the City Council chooses to adopt these approaches and direct staff to submit a new SMP update.

In the remainder of this memo we discuss each issue in more detail. We summarize our evaluation of each issue and include the reference language we have developed for consideration by Council.

Separately we have developed a "red lined" version of the SMP documents with both (a) those required and suggested changes that the City agreed to adopt in May 2011 and then (b) the reference language that we have developed. This work is intended to support consideration by Council and to reduce effort by Staff to complete the submission process if the Council votes to submit a revised SMP.

Summary of the Burien SMP Update Process

In early 2008 Burien began the process of developing an update to the city's Shoreline Master Program as required by a 2003 decision of the state legislature. The city assigned David Johanson to lead the effort, selected Reid Middleton to serve as the primary consultants, and created a Shoreline Advisory Committee (SAC) with 16 members of the public to review the development. The DOE assigned Mr Bob Fritzen. The SAC met 9 times between March 12, 2008 and October 28, 2009. In the final meeting the SAC voted to forward the draft to the City of Burien Planning Commission.

The Planning Commission devoted 9 meetings to the SMP between Dec 15, 2009 and March 30, 2010. At the final meeting they voted to recommend that the draft be forwarded to the City Council for their consideration.

The City Council discussed the SMP at 11 meetings between April 5, 2011 and Sep 27, 2011. At the final meeting they voted to approve the draft SMP and submit it to DOE for review as required in RCW 90.58.

DOE conducted a public hearing at Burien City Hall in Dec 2010 and completed their review in April 2011. DOE determined that the submitted SMP could be approved if the City were willing to update the submission to incorporate approximately 50 required changes. DOE also suggested that Burien consider more than 20 suggested changes. The City determined that it was willing to apply nearly all of the required changes and a substantial majority of the suggested changes but that it would not accept 4 of the required changes. It was recognized that it would require a significant effort to develop alternative language for these 4 key issues that could be approved by DOE. After substantial consideration the City decided to appoint a small Working Group, drawn from residents of Burien, to develop this language.

The Working Group has developed proposals for each of the four issues. In this memo we summarize our understanding of each issue and offer our opinion on how the City might consider resolving these concerns.

Three of the issues are relatively modest in scope and require only minor language changes to the submitted SMP. The final issue, development standards along the Marine Shoreline, is substantially more complex. We have introduced a relatively small number of changes the core chapters of the SMP, and have developed an appendix which provides additional narrative to enable an applicant for a development permit to determine whether the planned activity will satisfy the terms of the SMP.

Issue 1: Integration of the existing CAO (BMC 19.40)

On March 18, 2010 EHB 1653 established that once the SMP update is approved, it will supersede the City's Critical Area Ordinance (BMC 19.40) within shoreline jurisdiction. The SMP Guidelines and the DOE's SMP Handbook provide several approaches for integrating an existing CAO in to the SMP. Burien elected to adopt the bulk of the CAO by reference and then apply a small number of changes so that the result will meet the SMP guidelines. DOE introduced a small number of required changes in this portion of the document that the City was willing to accept but the City was unwilling to accept two of these changes as written.

1.1) Text approved by Council and submitted for Review

20.30.025 Critical Areas

2. Regulations

b. BMC 19.40—Critical areas (City of Burien Ordinance 394, adopted October 20, 2003) shall apply to the shoreline jurisdiction with the following exceptions:

i. The reasonable use provisions contained in BMC 19.40.070 (4) do not apply.

ii. The following types of wetlands are not regulated by the SMP:
(a). Small wetlands less than 1,000 square feet and hydrologically isolated;
(b). Man-made ponds smaller than one acre and excavated from uplands without a surface water connection to streams, lakes, or other wetlands.

1.2) DOE Required Changes and Initial City Response:

20.30.025 Critical Areas

2. Regulations

a. BMC 19.40—Critical areas (City of Burien Ordinance 394, adopted October 20, 2003) has been reviewed for consistency with Chapter 90.58 RCW and WAC 173-26 and shall apply to the shoreline jurisdiction with the following exceptions:

i. "Reasonable use exemptions" contained in BMS 19.40.070(1), (2) & (3) apply only to the critical areas provisions and are not exemptions from substantial development permits. The reasonable use ~~provisions~~ exceptions contained in BMC 19.40.070 (3) & (4) do not apply and are not considered part of the SMP.

ii. The following types of wetlands are not regulated by the SMP:
(a). Small wetlands less than 1,000 square feet and hydrologically isolated;
(b). Man-made ponds smaller than one acre and excavated from uplands without a surface water connection to streams, lakes, or other wetlands.

iii. Sections 19.40.290(3.B.iii.) and 19.40.310(2.H.v.) shall require a shoreline variance permit.

iv. Section 19.40.410(2.B) is not part of the shoreline master program. Filling is prohibited in the Aquatic environment per Section 20.30.001 Figure 4.

The green changes were accepted by the City, the blue section was altered by the City for style and meaning, and the final red change was not accepted.

DOE justified the changes to sub-sub-section i and the addition of sub-sub iii by reference to WAC 173-27-040 and 173-27-170. The City asserted that the exemption and exception procedures in BMC 19.40 are adequate.

1.3) Consideration by the Working Group

The DOE's Shoreline Handbook includes a section titled "Integration of Critical Area Ordinances" which provides guidance on how local shoreline planners should address critical areas within shoreline jurisdiction. This document highlights several concerns:

1) The CAO may not reflect the results of a recent shoreline inventory and characterization

2) The CAO was based on Best Available Science at the time the CAO was adopted. Latest science and an up to date inventory are required to assure No Net Loss.

3) CAOs often include regulations and procedures that are not consistent with the SMA or the SMP guidelines. Particular note is made of exceptions, exemptions, and waivers that are present in most existing CAOs. The SMA and SMP guidelines require that a shoreline variance be obtained when an applicant seeks relief from the standards in the SMP.

The two points of contention, highlighted in blue and red, share a common theme; a concern with exception procedures. BMC 19.40 contains both regulation for limiting development in and adjacent to Critical Areas and processes by which an applicant can seek relief from a strict application of these regulations. DOE asserts that the SMA and SMP guidelines require that applicants use the Shoreline Variance process for all exceptions. The City is asserting that its exception processes should be sufficient for development in a critical area within shoreline jurisdiction.

BMC 19.40.070 (1) states that exempt activities shall attempt to avoid or limit impacts.

BMC 19.40.070 (2) provides a list of activities that are exempt from the provisions of Chapter 19.40.

BMC 19.40.070 (3) defines a CIty review process that can be used to obtain an exception for new development by public agencies and utilities.

BMC 19.40.070 (4) defines an equivalent City review process that can be used by all other parties to obtain an exception if 19.40 would deny all reasonable use of the property.

BMC 19.40.290 defines development standards for Geologically hazardous areas and hence has the potential to limit new development on many properties in the Marine Shoreline. This section specifies that a 50' wide buffer shall be established from all edges of a landslide hazard area. Subsection 3.B provides guidelines to allow the Director to reduce or waive this buffer. Subsection 3.B.iiii defines items that must be discussed in the critical area study if the applicant is requesting that this buffer be reduced to below 25' or be waived entirely.

BMC 19.40.310 defines performance standards for development in or adjacent to a Wetland. Subsection 2 defines Buffer standards. The width of standard buffers depends on the Wetland Category and a number of other complex factors. Subsection 2.H. provides for buffer reduction with enhancement. Finally 2.H.v indicates that if the Director agrees to reduce the buffer to less than 25 feet, the applicant must attend an environmental stewardship class that is acceptable to the City.

It appears to us to be inconsistent that a proposed development outside of a critical area that would not be allowed by the terms of the SMP should be subject to the shoreline variance process while an equivalent development in a critical area might be subject to an alternative, and potentially more forgiving, process. It is even conceivable that this could have the unintended consequence of encouraging an applicant to consider relocating a planned new development into a critical area in order to reduce administrative overhead. We recommend that the intent of the DOE requirements be honored and we propose the following language:

20.30.025 Critical Areas

2. Regulations

a. BMC 19.40—Critical areas (City of Burien Ordinance 394, adopted October 20, 2003) has been reviewed for consistency with Chapter 90.58 RCW and WAC 173-26 and shall apply to the shoreline jurisdiction with the following exceptions:

   i. The exemptions contained in BMC 19.40.070 (1) & (2) apply only to the critical area provisions and are not exemptions from substantial development permits. The exceptions contained in BMC 19.40.070 (3) & (4) do not apply and not considered part of the SMP.

   ii. BMC 19.40.290 (3.B.iii) does not apply and is not considered a part of the SMP. For a landslide hazard area buffer of less than twenty-five (25) feet, in addition to the items required in BMC 19.40.120, a shoreline variance shall be required

   iii. BMC 19.40.310 (2.H.v) does not apply and is not considered a part of the SMP. For a wetland buffer of less than twenty-five (25) feet, a shoreline variance shall be required.

   iv. BMC 19.40.410(2.B) is not part of the shoreline master program. Filling is prohibited in the Aquatic environment per Section 20.30.001 Figure 4.

   v. The following types of wetlands are not regulated by the SMP:

      (a) Small wetlands less than 1,000 square feet and hydrologically isolated;

      (b) Man-made ponds smaller than one acre and excavated from uplands without a surface water connection to streams, lakes, or other wetlands.

1.4) Further input from DOE

DOE has reviewed this recommended language. They indicated that this language is expected to be approvable during a formal review. However they suggested that the City consider a minor change to 2.a.i so that BMC 19.40.070 (3) remain an element of the SMP. We leave this to Council for final input.

Issue 2: Flood Hazard Reduction and Structural Stabilization

BMC 20.30.030, Flood Hazard Reduction, regulates uses and development taken to reduce flood damage or hazards or development that might increase such hazards. In their review of this section, DOE added three new regulations. Two of these were accepted without comment but one of them included a clause that was deemed to be inconsistent with the intent of the Burien SMP. The following regulation was added to BMC 20.30.030 (2) as a required change

f. All new shoreline development and uses, **including the replacement of a destroyed home**, shall be located and designed to prevent the need for shoreline stabilization and structural flood hazard reduction measures for the life of the development. Exceptions may be made for the limited instances where stabilization is necessary to protect allowed uses where no alternative locations are available and not net loss of ecological functions will result.

The DOE response asserted that this text is required by WAC 173-26-221(2.c.ii.C.), which provides guidelines for structural shoreline stabilization in geologically hazards critical areas, and WAC 173-26-231(3.a.iii) which defines provisions for shoreline stabilization as a specific shoreline modification.

During consideration of the DOE review, the City suggested that the highlighted clause should be deleted.

We reviewed the cited passages and expanded our consideration to include WAC 173-26-221 *(3) Flood hazard reduction* with particular attention to WAC 173-26-221 (3.c.i) which provides standards for development in floodplains. We also considered the original intent of WAC 173-27-080, which guides permits for non-conforming structures, even though the precise application of this section must be reconsidered in jurisdictions that have adopted language consistent with SB-5451.

Our review suggests that much of the DOE proposal is consistent with the cited sections. However we find that the wording of the referenced sections is ambiguous and hence is subject to multiple interpretations. The concern is that it is uncertain whether the limits on new development apply only a reliance on new and expanded protective structures, or include the on-going maintenance of existing protective structures. We believe this ambiguity carries over DOE's required change to the Burien SMP.

Discussion with DOE revealed sympathy for the possible ambiguity around this issue but clarified that the intent of the cited passages and this proposal is to limit new development that might require **new** stabilization structures or an **expansion** of existing stabilization structures.

There was also contemplation of whether the replacement of a destroyed home should be regarded as new development. New development is not precisely defined in the SMP but it appears that the intent is that the term be broadly defined and that the replacement of a destroyed home should be considered new development.

There was some consideration of how this text might be applied in real world situations particularly in the context of a destroyed home. Two of the more extreme situations were contrasted; one in which a home is destroyed by a fire and the other in which a home is undermined by the failure of an existing bulkhead. While every situation is unique and subject to special considerations the expectation is that this language would be expected to allow the reconstruction of the home within the original footprint in the former case. However it should be a factor in the case of a bulkhead failure and there should be a determination whether there is an alternative location for the reconstruction.

Hence we conclude that DOE's required language should include a reference to a destroyed home but that it should be clarified that this limitation to new development applies only if the development would also require new flood hazard reduction or new shoreline stabilization.

Our final consideration is that the proposal should be split in to two almost identical regulations; one to be applied to BMC 20.30.030 for flood hazard reduction and the second to be applied to BMC 20.030.070 for shoreline stabilization.

2.1) Recommended language

We recommend that the City Council consider the following language to resolve this issue

BMC 20.30.030 (2.f) should read

f. All new shoreline development and uses, including the replacement of a destroyed home, shall be located and designed to prevent the need for new or expanded structural flood hazard reduction measures for the life of the development. Exceptions may be made for the limited instances where flood hazard reduction is necessary to protect allowed uses where no alternative locations are available and not net loss of ecological functions will result.

BMC 20.30.070 (2.e) should read

f. All new shoreline development and uses, including the replacement of a destroyed home, shall be located and designed to prevent the need for new or expanded shoreline stabilization measures for the life of the development. Exceptions may be made for the limited instances where shoreline stabilization is necessary to protect allowed uses where no alternative locations are available and not net loss of ecological functions will result.

Issue 3: Launching boats on Lake Burien

BMC 20.30.085 provides policies and regulations regarding Recreational Development within the Burien Shoreline. In the Burien submission, BMC 20.30.085 2.h stated:

h. Should public access occur on Lake Burien, no watercraft access is allowed from public access areas.

This regulation was motivated by a desire to reduce the risk that invasive species might be introduced in to the Lake by watercraft that had been used in contaminated bodies of water.

During their review, DOE determined that this clause is not consistent with the goals and policies of the SMA and SMP guidelines and required that this regulation be deleted from the Burien SMP. While acknowledging the concern with invasive species, DOE judged that it is premature to cast this particular solution in the SMP. They believe this is an issue to be considered during site specific permitting review if and when physical access is achieved. We concur with DOE's evaluation of this issue and recommend that the City accept this required change.

Issue 4: Dimensional Standards and Buffers for the Marine

One of the most contentious elements of the Burien SMP update has been the specification of dimensional standards; the sizes of protective buffers and the regulations for new development within these buffers.

The early work partitioned the Marine Shoreline into four Reaches (M1, M2, M3. M4) and determined that two of the standard environmental designations were applicable. M2 was assigned to Urban Conservancy and the remaining reaches were assigned to Shoreline Residential.

The SAC draft of the SMP Update proposed that the existing 20' building setback from Ordinary High Water Mark (OHWM) be expanding to 65'; a 50' riparian buffer and a 15' setback from the buffer. This single standard was applied to all four Reaches despite the significant variation in conditions that are present along this Shoreline. The SMP specifically acknowledged that these buffer standards would cause at least some of the existing structures to become lawfully non-conforming structures and proscribed certain limits on redevelopment and reconstruction. The written record provided no evidence as to how the 65' standard was determined.

The question of buffer standards and non-conforming status received considerable public debate during the Planning Commission review. It was during this process that the City offered verbal testimony on the origin for the (50 + 15)' setback for the Marine Shoreline. In summary it was asserted that this standard was based on

(a) a review of a particular DOE-approved document that surveys studies of the ability of buffers of between 75' and 600' to protect specific ecological functions in certain relatively natural environments

(b) a belief that the average building setback in the Shoreline Residential designation is 68'

(c) a belief that pending buffer standards in Federal Way (50') and Des Moines (115') were relevant to Burien.

The Planning Commission approved the draft without altering the buffer standards. This issue received continued attention and debate during the City Council review. Residents of the Marine Shoreline contributed a new and more detailed analysis of existing conditions along this shoreline that further questioned the role of a (50 + 15)' setback. The City Council actively solicited input from domain experts, including DOE, to demonstrate the need to expand the current 20' setback for the Residential Shoreline given existing conditions. At the end of this process the City made two important changes to the SMP that affected development regulations; the SMP update declared that all existing structures were defined to be conforming to the SMP, this predates SB 5451, and the Council voted to maintain the existing 20' setback as a 20' buffer for Marine Shoreline Residential while expanding this setback to the (50 + 15)' standard for M2. However the City chose not to update the Cumulative Impacts Analysis to formally support these revisions.

In preparation for the DOE's public hearing the Burien Marine Homeowners Association (BMHA) introduced a memo that provided additional detail on conditions along the Marine shoreline. This memo became part of the public record but was not part of the SMP submission.

The DOE review concluded that Burien had not demonstrated that recasting the existing 20' setback as a 20' buffer for the Marine's Shoreline Residential designation would meet the no-net-loss standard. DOE did not attempt to determine the minimum dimensional standards that would meet the no-net-loss standard but it was specified that the (50 + 15)' standard for all four reaches would be approvable. The City was unwilling to accept this expansion and directed the Working Group to seek an alternative solution.

The Working Group reviewed the Grette Inventory, the two BMHA inventories, the SMA, the SMP guidelines, the DOE handbook chapter on no-net-loss, conducted a physical review of a portion of the Marine, and reflected on the intent of the City Council during the final review of the SMP update.

We came to a small number of conclusions that were relatively easy to agree to

- existing conditions along the Marine Shoreline vary considerably

  the Shoreline can be represented by two standard Environmental Designations.

  however conditions across the M1, M2, M3, and M4 vary significantly

  further conditions within M1 and M4 vary in a meaningful way.

  this variation should be reflected by at least three different buffer standards for the Marine

- that the City's decision to define existing structures to be conforming to the SMP establishes a clear intent to protect existing structures along the Shoreline and complies with with the no-net-loss standard.

- the Working Group should seek an approach that meets the SMP Guidelines but also prioritizes ease of implementation for shoreline property owners and the Burien Permit department.

It was considerably more challenging to determine how these observations should be reflected in the dimensional standards. There were members of the Working Group who believed that the focus should be on providing additional support for the 20' buffer that the City Council approved while others believed that even the (50 + 15)' standard that has been accepted by DOE might not provide sufficient protection and restoration. Inevitably the Working Group arrived at a compromise that we believe represents a balanced approach that should be acceptable to the City of Burien and be approvable by DOE.

The solution we propose has 6 central elements

- all existing structures can be maintained, and even fully reconstructed, within the existing footprint subject only to the city-wide standards of the applicable zoning code

- we define a Shoreline Buffer adjacent to OHWM. The depth of this buffer can vary along the shoreline.

- the Shoreline Buffer is further partitioned in to two zones; Zone 1 is adjacent to OHWM and Zone 2 is adjacent to Zone 1.

- adverse impacts will be strictly limited in Zone 1.

- adverse impacts may be allowed within Zone 2 so long as they can be mitigated to achieve no-net-loss. Mitigation options provide a preference for compensatory restoration activities in Zone 1.

- an applicant for a building permit, or a shoreline substantial development permit if required, can demonstrate that the proposed development meets the SMP standards in one of two ways; the applicant may secure the services of a qualified shoreline planning consultant to generate a site-specific impact report, or the applicant may refer to a simplified spreadsheet. The latter approach may not be appropriate for every project but is intended to provide a streamlined and inexpensive method to demonstrate compliance with the SMP for projects that are typical of single family residences in Burien's shoreline.

4.1) Proposed language changes

We attempted to limit the number of language changes necessary to implement this proposal. The language shown may include DOE's required and suggested changes that have been accepted by Burien but if present those changes are not highlighted. There are one or two minor edits elsewhere within the SMP that are necessary to assure logical consistency, e.g. replacing certain hard-coded buffer sizes with references to the appropriate sections and tables, but these are not included in this discussion.

20.30.007 Existing Development

1. **Existing Single-Family Homes, Appurtenances, and Other Existing Structures**. Single-family homes, appurtenances and other structures that were legally established by _____ (effective date of this SMP) are considered to be conforming to the SMP. All such structures may be reconstructed within the existing footprint at any time subject only to those building standards that prevail throughout the City of Burien for the associated zoning designation. Any addition, expansion or reconstruction beyond the existing footprint of the single-family home, appurtenance or other structure must comply with the SMP. Any single family home to which a variance is issued shall be considered a conforming structure.

   Replacement of any portion of any structure shall comply with the SMP requirements for materials that come in contact with the water pursuant to 20.30.045 [2][Water Quality, Storm Water and Nonpoint Pollution].

2. **Other Existing Uses or Structures**. Uses or structures other than single-family homes that were legally established by _____(effective date of this SMP) are considered to be conforming to the SMP. All such structures may be reconstructed within the existing footprint at any time subject only to those building standards that prevail throughout the City of Burien for the associated zoning designation. Any enlargement or expansion of the use must comply with the SMP.

20.30.010 Impact Mitigation

1. **Policy**
   a. Adverse impacts to the ecological functions shall be mitigated to result in no net loss of shoreline ecological functions and process.
   b. Mitigation for adverse impacts of new development projects should first consider enhancement of degraded conditions in Zone 1 of the Shoreline Buffer

   (For additional policy guidance please refer to Chapter II General Goals and Policies, pgs. 1-2, 12-15 and Chapter III Management Policies, pgs. 2-4.)

2. **Regulations**
   g. Mitigation for new development in the Shoreline Buffer is required if
      (i) native vegetation is cleared and/or
      (ii) new impervious surface is created and/or
      (iii) new partially functioning area is created

   A procedure for evaluating impacts and determining requirements for mitigation is described in Appendix X. Alternatively the applicant may choose to secure the services of a qualified professional to develop a report that will demonstrate that the no-net-loss standard will be met.

20.30.050 Dimensional Standards for Shoreline Development

Figure 5 Dimensional Standards for Shoreline Development

	UC	SR-LB	SR-AL	SR-HA
Shoreline Buffer Zone 1	50 ft	30 ft	30 ft	20 ft
Shoreline Buffer Zone 2	100 ft	15 ft	15 ft	15 ft
Vegetation Conservation	200 ft	150 ft	150 ft	150 ft
Lot Size	RS-12,000	RS-7,200	RS-12,000	RS-12,000
Building Coverage	30%	35%	35%	35%

UC: Urban Conservancy
SR-LB: Shoreline Residential - Lake Burien
SR-AL: Shoreline Residential - Marine altered
SR-HA: Shoreline Residential - Marine highly altered

[Note: Changes will be required to certain maps and exhibits to clarify the application of these buffer standards. SB-HA refers to two highly altered portions of M1 and a single portion of M4. UC is approximately 21% of the Marine, SB-HA is approximately 21% of the Marine, and SR-AL is approximately 56% of the Marine].

20.30.055 Shoreline Buffers
Regulations

1. A Shoreline Buffer is established for the Marine Shoreline and for Lake Burien. This buffer consists of two zones; Zone 1 and Zone 2.
   a. Zone 1 is adjacent to Ordinary High Water Mark (OHWM). New developments that would introduce adverse impacts are strictly limited within Zone 1 and, if allowed, must be mitigated.
   b. Zone 2 is adjacent to the landward side of Zone 1. New developments in Zone 2 that would introduce adverse impacts, if allowed, must be mitigated; preferentially by restoration activities in Zone 1.
   c. The size of these zones varies as shown in 20.30.050 Figure 5. Distances are measured on a horizontal plane in a direction that is perpendicular to the line of OHWM.
   d. Appendix X describes the development standards for each Zone and provides a spreadsheet that an applicant for a shoreline Substantial Development Permit may use to demonstrate that any adverse impacts will be mitigated. Alternatively, the applicant may submit a impact report that is development by a qualified expert.

20.40.101 **Partially functioning areas** means areas that provide one or more reduced ecological functions, and is neither native vegetation or impervious surface. Ecological functions may include sediment removal/ erosion control, pollution removal, wildlife habitat, and infiltration. Partially functioning areas specifically include lawns, slat decks that allow infiltration, and non-native landscaped areas.

Appendix X

Under Washington State Shoreline Management Act Guidelines [WAC 173-26-186(8) & 201(2)(c)] all new development, activities and uses must meet the standard of no net loss of ecological functions and shoreline processes, and to meet no net loss, mitigate any adverse impacts of new development.

Developments with significant impacts within Burien's regulated Shoreline are likely to require the assistance of a qualified professional to demonstrate that a proposed development meets the requirements of the Burien Shoreline Master Program. Examples of projects that are more likely to require this level of support include the construction of a new primary residence on a property that is currently undeveloped and projects that require the installation of, or the expansion of, structures for flood hazard reduction or shoreline stabilization.

This supplement has been developed as a possible alternative to this costly process for the styles of development that are representative of existing Single Family Residences in Burien's developed Shoreline. It is particularly appropriate for the remodeling, renovation, and reconstruction of an existing structure, for minor expansions of existing structures, and for the construction of minor appurtenances.

Section X.3 provides a simple work sheet that can be used to demonstrate that the project will meet the no net loss standard. Use of this spreadsheet provides predictability and reduces cost and complexity in satisfying the permitting process.

X.1 Shoreline Buffers

The Burien SMP [BMC 20.30.050 and 20.30.055] defines a Shoreline Buffer adjacent to Ordinary High Water Mark (OHWM) in which new development is subject to enhanced review to assure no net loss. All development within this buffer must demonstrate that unavoidable adverse impacts are mitigated to achieve no-net loss.

Achieving no net loss can be done by avoiding an adverse impact, relocating the adverse impact to be outside the buffer, or by mitigating the impact. Demonstrating that the development will achieve the no net loss standard can be achieved by reference to an ecological impacts report developed by a qualified professional, or by reference to the spreadsheet in X.3.

The Shoreline Buffer is further divided in to two zones, Zone 1 and Zone 2, with Zone 1 adjacent to OWHM and Zone 2 adjacent to the landward edge of Zone 1. The depth of these zones is based on existing patterns of development and hence varies along the Shoreline. The depth of the buffer for a given site can be determined by reference to BMC 20.30.050.

X.1.a Development Standards for Zone 1

It is intended that new development in Zone 1 will be primarily for the maintenance of existing structures, the restoration or remodeling of existing structures within the existing footprint, voluntary restoration activities, or required mitigation for adverse impacts in Zone 2.

The primary exception to this prohibition on adverse impacts is to develop an access path from Zone 2 to the line of OHWM. This access path should be the minimum size and design to serve this purpose and respect the safety of its intended users. Additional flexibility may be required to meet the needs of users with limited mobility.

X.1.b Development Standards for Zone 2

It is intended that new development in Zone 2 will be primarily for the maintenance of existing structures, the restoration or remodeling of existing structures within the existing footprint, or for voluntary restoration activities. However new developments that result in adverse impacts, for example a modest expansion of an existing structure, may occur so long as these impacts are mitigated to achieve no net loss. It is likely that successful mitigation will be more easily achieved in Zone 1 but it is also possible to mitigate adverse impacts by improvements in Zone 2.

X.1.c Additional considerations

BMC 20.30.030 (2.f) limits new shoreline development that require the need for shoreline stabilization and structural hazard reduction measures for the life of the development. This regulation must be considered if the development requires the installation of, or the expansion of, structures for flood hazard reduction or shoreline stabilization.

X.2 Mitigation Sequencing

Consistent with WAC 173-26-201(2.e) it is necessary that, where required, mitigation measures shall be applied in the following sequence of steps listed in order of priority, with (A) of this subsection being top priority.

(A) Avoiding the impact altogether by not taking a certain action or parts of an action;

(B) Minimizing impacts by limiting the degree or magnitude of the action and its implementation by using appropriate technology or by taking affirmative steps to avoid or reduce impacts;

(C) Rectifying the impact by repairing, rehabilitating, or restoring the affected environment;

(D) Reducing or eliminating the impact over time by preservation and maintenance operations;

(E) Compensating for the impact by replacing, enhancing, or providing substitute resources or environments; and

(F) Monitoring the impact and the compensation projects and taking appropriate corrective measures.

X.3 Demonstrating mitigation for unavoidable adverse impacts

This section provides a simplified work sheet that may be useful to demonstrate that typical developments associated with Single Family Residences will achieve no net loss standard without a specialized and expensive environment impact report.

Costs of adverse impacts in Zone 2

1) Total square feet of **new** impervious surface	_____	X 4	points = _____
2) Total square feet of **new** partially functioning area	_____	X 2	points = _____
3) Total square feet of cleared native vegetation	_____	X 1	points = _____
4) Total cost (add 1 through 3)			_____

Benefit of creating native vegetation in Zone 1

5) Square feet of impervious surface replaced	_____	X 4	points = _____
6) Square feet of partially functioning area replaced	_____	X 2	points = _____
7) Benefit of improvements in Zone 1 (add 5 and 6)			_____

Benefit of improvements in Zone 2

8) Impervious surface to native vegetation (sq ft)	_____	X 2	points = _____
9) Partially functioning area to native vegetation (sq ft)	_____	X 1	points = _____
10)Impervious to partially functioning area (sq ft)	_____	X 0.5	points = _____
11) Benefit of improvements in Zone 2 (add 8 through 10)			_____

No Net Loss indicator

12) Cost of adverse impacts	(line 4)	_____
13) Total benefits of improvements	(add 7 and 11)	_____

The project will meet the no net loss standard if line 12, the cost of adverse impacts, is less than or equal to line 13.

X.4 A worked example

A family is considering a new development in Burien's Marine shoreline within the SR-AL designation. This property is approximately 170' deep and 100' wide and stretches from the road to OHWM. There is a moderate slope towards the landward end of the parcel. There is a one car garage adjacent to the road and a residence a short distance water ward of the toe of the slope. This one story home was constructed in the early 1950's and is approximately 40' wide and 50' deep and is set back approximately 50' from the OHWM. A concrete patio, 20' wide and 15' deep, is attached to the water ward side of the home; this patio intrudes 10' into Zone 2 of the Shoreline Buffer. The land between the home and the bulkhead has been extensively landscaped with lawn and flower beds. There is a small, 15' by 15', cabana towards the bulkhead.

This family intends to expand the garage and update the primary structure; they plan to add a second story to the home and expand the footprint. The addition of the second floor will not exceed the 35' height limit. The slope at the rear of the home suggests that they expand the home towards OHWM. They decide to expand the home 15' towards OHWM by eliminating the patio and a 10' x 20' section of lawn.

They propose to remove the cabana and replace it with native vegetation. They will also revegetate a 15' x 30' section of landscaping adjacent to the cabana.

[Graphic for this development is to be included]

The existing garage is well outside the Shoreline Buffer and the proposed expansion will not require the removal of any vegetation and hence can be approved.

Adding a second story to the home does not increase the impervious surface area and will not exceed the 35' height limit. The expanded footprint will consume the concrete patio and replace 300 sq feet of lawn with new impervious surface.

Costs of adverse impacts in Zone 2				
1) Total square feet of **new** impervious surface	200	X 4	points =	800
2) Total square feet of **new** partially functioning area	_____	X 2	points =	_____
3) Total square feet of cleared natural vegetation	_____	X 1	points =	_____
4) Total cost (add 1 through 3)				800
Benefit of creating native vegetation in Zone 1				
5) Square feet of impervious surface replaced	225	X 4	points =	900
6) Square feet of partially functioning area replaced	450	X 2	points =	900
7) Benefit of improvements in Zone 1 (add 5 through 7)				1800
Benefit of improvements in Zone 2				
....				
11) Benefit of improvements in Zone 2 (add 8 through 10)				0
No Net Loss indicator				
12) Cost of adverse impacts (line 4)				800
13) Total benefits of improvements (add 7 and 11)				1800

The use of this work sheet demonstrates that the proposed improvements in Zone 1 are sufficient to mitigate for the adverse impacts in Zone 2.

COMPUTER CHECK REGISTER

CHECK REGISTER APPROVAL

WE, THE MEMBERS OF THE CITY COUNCIL OF BURIEN, WASHINGTON, HAVING RECEIVED DEPARTMENT CERTIFICATION THAT MERCHANDISE AND/OR SERVICES HAVE BEEN RECEIVED OR RENDERED, DO HEREBY APPROVE FOR PAYMENT ON **This 6th day of August 2012** the FOLLOWING:

CHECK NOs. **32162 – 32325**

IN THE AMOUNTS OF **$2,256,376.87**

WITH VOIDED CHECK NOS. **0**

Accounts Payable
Checks for Approval

User: CathyR
Printed: 08/02/2012 - 9:10 AM

Check Number	Check Date	Fund Name	Account Name	Vendor Name		Amount
32162	07/17/2012	Parks & Gen Gov't CIP	Construction	FAO, USAED, Seattle		800,000.00
					Check Total:	800,000.00
32163	07/31/2012	General Fund	Leasehold Excise Taxes	Washington State DOR		382.67
					Check Total:	382.67
32164	08/06/2012	General Fund	Subscriptions/publications	ABC LEGAL		78.00
					Check Total:	78.00
32165	08/06/2012	General Fund	Dues/memberships	Auto Club of America		329.90
					Check Total:	329.90
32166	08/06/2012	General Fund	Office and Operating Supplies	ACE Hardware		84.80
32166	08/06/2012	General Fund	Office and Operating Supplies	ACE Hardware		135.08
32166	08/06/2012	General Fund	Office and Operating Supplies	ACE Hardware		26.88
32166	08/06/2012	General Fund	Office and Operating Supplies	ACE Hardware		54.15
32166	08/06/2012	General Fund	Office and Operating Supplies	ACE Hardware		1.10
32166	08/06/2012	Street Fund	Office And Operating Supplies	ACE Hardware		132.93
32166	08/06/2012	General Fund	Office and Operating Supplies	ACE Hardware		13.13
32166	08/06/2012	General Fund	Office and Operating Supplies	ACE Hardware		48.74
32166	08/06/2012	General Fund	Office and Operating Supplies	ACE Hardware		20.18
32166	08/06/2012	Street Fund	Office And Operating Supplies	ACE Hardware		64.80
32166	08/06/2012	General Fund	Office and Operating Supplies	ACE Hardware		3.06
32166	08/06/2012	Street Fund	Office And Operating Supplies	ACE Hardware		106.11
32166	08/06/2012	Street Fund	Office And Operating Supplies	ACE Hardware		48.14
32166	08/06/2012	Surface Water Management Fund	Office And Operating Supplies	ACE Hardware		75.58

Check Number	Check Date	Fund Name	Account Name	Vendor Name		Amount
					Check Total:	814.68
32167	08/06/2012	General Fund	Repairs And Maintenance	Tyco Integrated Security LLC		88.88
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32168	08/06/2012	General Fund	Operating Rentals And Leases	Airgas Nor Pac Inc		24.91
					Check Total:	24.91
32169	08/06/2012	General Fund	Office and Operating Supplies	Al Books Custom Welding		328.50
					Check Total:	328.50
32170	08/06/2012	General Fund	Nuisance Abatement Costs	David Karch		85.00
32170	08/06/2012	General Fund	Nuisance Abatement Costs	David Karch		85.00
32170	08/06/2012	General Fund	Nuisance Abatement Costs	David Karch		85.00
32170	08/06/2012	General Fund	Nuisance Abatement Costs	David Karch		42.50
32170	08/06/2012	General Fund	Nuisance Abatement Costs	David Karch		63.75
32170	08/06/2012	General Fund	Nuisance Abatement Costs	David Karch		85.00
32170	08/06/2012	General Fund	Nuisance Abatement Costs	David Karch		42.50
32170	08/06/2012	General Fund	Nuisance Abatement Costs	David Karch		170.00
32170	08/06/2012	General Fund	Nuisance Abatement Costs	David Karch		191.25
32170	08/06/2012	General Fund	Nuisance Abatement Costs	David Karch		85.00
32170	08/06/2012	General Fund	Nuisance Abatement Costs	David Karch		63.75
32170	08/06/2012	General Fund	Nuisance Abatement Costs	David Karch		42.50
32170	08/06/2012	General Fund	Nuisance Abatement Costs	David Karch		127.50
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					Check Total:	1,381.25
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32171	08/06/2012	Street Fund	Repairs And Maintenance	Alpine Fence Company		283.59
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32172	08/06/2012	Street Fund	Office And Operating Supplies	Alpine Products Inc		2,070.00
32172	08/06/2012	Street Fund	Office And Operating Supplies	Alpine Products Inc		809.42
					Check Total:	2,879.42

Check Number	Check Date	Fund Name	Account Name	Vendor Name		Amount
32173	08/06/2012	General Fund	Office and Operating Supplies	Amerigas - Kent		299.40
					Check Total:	299.40
32174	08/06/2012	Parks & Gen Gov't CIP	Project Development	Anchor QEA, L.L.C.		896.00
					Check Total:	896.00
32175	08/06/2012	General Fund	Office And Operating Supplies	Aramark Uniform Services		43.14
					Check Total:	43.14
32176	08/06/2012	General Fund	Telephone	AT&T Mobility		19.04
					Check Total:	19.04
32177	08/06/2012	General Fund	Telephone	JACK BLOCK, JR.		55.48
					Check Total:	55.48
32178	08/06/2012	General Fund	Mileage	Stephen Botkin		35.52
					Check Total:	35.52
32179	08/06/2012	General Fund	Professional Services	BottleRockit LLC/Scott Walker		700.00
					Check Total:	700.00
32180	08/06/2012	General Fund	Citizens Patrol/ Crime Prevent	REUBEN BREED		89.83
					Check Total:	89.83
32181	08/06/2012	Surface Water Management Fund	Repairs And Maintenance	Bryant's Tractor & Mower Inc		19.17
32181	08/06/2012	Street Fund	Repairs And Maintenance	Bryant's Tractor & Mower Inc		19.16
32181	08/06/2012	Surface Water Management Fund	Office And Operating Supplies	Bryant's Tractor & Mower Inc		91.38
32181	08/06/2012	Street Fund	Office And Operating Supplies	Bryant's Tractor & Mower Inc		91.39
32181	08/06/2012	Surface Water Management Fund	Office And Operating Supplies	Bryant's Tractor & Mower Inc		74.52
32181	08/06/2012	Street Fund	Office And Operating Supplies	Bryant's Tractor & Mower Inc		74.51
					Check Total:	370.13
32182	08/06/2012	Street Fund	Repairs And Maintenance	Burien Bark L.L.C.		10.95
32182	08/06/2012	General Fund	Office and Operating Supplies	Burien Bark L.L.C.		34.00

Check Number	Check Date	Fund Name	Account Name	Vendor Name		Amount
32182	08/06/2012	General Fund	Office and Operating Supplies	Burien Bark L.L.C.		68.00
					Check Total:	112.95
32183	08/06/2012	General Fund	Animal Control Services	CARES		10,000.00
32183	08/06/2012	General Fund	Other Miscellaneous Revenue	CARES		10.00
					Check Total:	10,010.00
32184	08/06/2012	General Fund	Telephone	ROSE CLARK		53.62
					Check Total:	53.62
32185	08/06/2012	General Fund	Office and Operating Supplies	Clay Art Center Inc		336.89
32185	08/06/2012	General Fund	Office and Operating Supplies	Clay Art Center Inc		17.72
					Check Total:	354.61
32186	08/06/2012	General Fund	Telephone	CenturyLink		44.92
32186	08/06/2012	General Fund	Telephone	CenturyLink		43.76
32186	08/06/2012	Street Fund	Telephone	CenturyLink		48.50
32186	08/06/2012	Surface Water Management Fund	Telephone	CenturyLink		48.50
32186	08/06/2012	General Fund	Telephone	CenturyLink		44.92
32186	08/06/2012	General Fund	Telephone	CenturyLink		100.64
32186	08/06/2012	General Fund	Telephone	CenturyLink		60.82
32186	08/06/2012	General Fund	Telephone	CenturyLink		55.16
32186	08/06/2012	General Fund	Telephone	CenturyLink		44.92
					Check Total:	492.14
32187	08/06/2012	General Fund	Annexation	Cardmember Service		27.55
32187	08/06/2012	General Fund	Professional Services	Cardmember Service		87.60
32187	08/06/2012	General Fund	Burien Marketing Strategy	Cardmember Service		184.40
32187	08/06/2012	General Fund	Postage	Cardmember Service		10.35
32187	08/06/2012	General Fund	Postage	Cardmember Service		12.65
32187	08/06/2012	General Fund	Admission and Entrance Fees	Cardmember Service		1,339.84
32187	08/06/2012	General Fund	Senior Trips	Cardmember Service		135.00
32187	08/06/2012	General Fund	Admission and Entrance Fees	Cardmember Service		200.00
32187	08/06/2012	General Fund	Office and Operating Supplies	Cardmember Service		33.40
32187	08/06/2012	General Fund	Office and Operating Supplies	Cardmember Service		16.38
32187	08/06/2012	General Fund	Office and Operating Supplies	Cardmember Service		56.89
32187	08/06/2012	General Fund	Admission and Entrance Fees	Cardmember Service		993.20
32187	08/06/2012	General Fund	Advertising	Cardmember Service		25.00
32187	08/06/2012	General Fund	Office and Operating Supplies	Cardmember Service		10.57

Check Number	Check Date	Fund Name	Account Name	Vendor Name	Amount
32187	08/06/2012	General Fund	Office and Operating Supplies	Cardmember Service	769.47
32187	08/06/2012	General Fund	Strawberry Festival	Cardmember Service	330.00
32187	08/06/2012	General Fund	Fuel/gas/gasoline Consumption	Cardmember Service	96.07
32187	08/06/2012	General Fund	Admission and Entrance Fees	Cardmember Service	950.96
32187	08/06/2012	General Fund	Other Travel	Cardmember Service	64.00
32187	08/06/2012	General Fund	Admission and Entrance Fees	Cardmember Service	541.00
32187	08/06/2012	General Fund	Office and Operating Supplies	Cardmember Service	17.50
32187	08/06/2012	General Fund	Office and Operating Supplies	Cardmember Service	83.22
32187	08/06/2012	General Fund	Senior Trips	Cardmember Service	518.00
32187	08/06/2012	General Fund	Office And Operating Supplies	Cardmember Service	12.12
32187	08/06/2012	General Fund	Strawberry Festival	Cardmember Service	479.70
32187	08/06/2012	General Fund	Office and Operating Supplies	Cardmember Service	11.69
32187	08/06/2012	Street Fund	Registration - Trainng/workshp	Cardmember Service	85.00
32187	08/06/2012	Surface Water Management Fund	Registration - Trainng/workshp	Cardmember Service	85.00
32187	08/06/2012	General Fund	Repair and Maintenance	Cardmember Service	11.00
32187	08/06/2012	General Fund	Office and Operating Supplies	Cardmember Service	2,558.19
32187	08/06/2012	General Fund	Strawberry Festival	Cardmember Service	92.42
32187	08/06/2012	General Fund	Publications	Cardmember Service	12.00
32187	08/06/2012	General Fund	Software Subscription Fees	Cardmember Service	59.95
32187	08/06/2012	General Fund	Registration - Trainng/workshp	Cardmember Service	195.00
32187	08/06/2012	General Fund	Dues/memberships	Cardmember Service	70.00
32187	08/06/2012	General Fund	Drug seizure proceeds KCSO	Cardmember Service	60.21
32187	08/06/2012	General Fund	Drug seizure proceeds KCSO	Cardmember Service	437.99
32187	08/06/2012	General Fund	Drug seizure proceeds KCSO	Cardmember Service	46.00
32187	08/06/2012	General Fund	Computer Related Supplies	Cardmember Service	38.74
32187	08/06/2012	General Fund	Computer Related Supplies	Cardmember Service	80.42
				Check Total:	10,838.48
32188	08/06/2012	General Fund	Utilities	COMCAST	62.00
32188	08/06/2012	General Fund	Utilities	COMCAST	71.90
32188	08/06/2012	Street Fund	Telephone	COMCAST	35.95
32188	08/06/2012	Surface Water Management Fund	Telephone	COMCAST	35.95
				Check Total:	205.80
32189	08/06/2012	General Fund	Professional Services	Comforce CTS Staffing Services	656.25
				Check Total:	656.25
32190	08/06/2012	Street Fund	Repairs And Maintenance	Corliss Resources	427.06
				Check Total:	427.06

Check Number	Check Date	Fund Name	Account Name	Vendor Name		Amount
32191	08/06/2012	General Fund	Office and Operating Supplies	Creative House Branding		956.13
					Check Total:	956.13
32192	08/06/2012	General Fund	Office And Operating Supplies	Crystal Springs		95.30
					Check Total:	95.30
32193	08/06/2012	General Fund	Human Svc-family/youth	City of Bellevue Treasurer		2,800.00
					Check Total:	2,800.00
32194	08/06/2012	Street Fund	Utilities - Traffic Signals	City of Seattle		17.67
32194	08/06/2012	General Fund	Utilities	City of Seattle		37.72
32194	08/06/2012	General Fund	Utilities	City of Seattle		17.36
32194	08/06/2012	General Fund	Utilities	City of Seattle		8.50
32194	08/06/2012	Street Fund	Utilities - Traffic Signals	City of Seattle		100.65
32194	08/06/2012	Street Fund	Utilities - Traffic Signals	City of Seattle		75.07
32194	08/06/2012	Street Fund	Utilities - Traffic Signals	City of Seattle		93.20
32194	08/06/2012	Street Fund	Utilities - Traffic Signals	City of Seattle		78.71
32194	08/06/2012	General Fund	Utilities	City of Seattle		14.84
32194	08/06/2012	General Fund	Utilities	City of Seattle		266.58
32194	08/06/2012	General Fund	Utilities	City of Seattle		557.90
32194	08/06/2012	General Fund	Utilities	City of Seattle		1,698.83
32194	08/06/2012	General Fund	Utilities	City of Seattle		628.46
32194	08/06/2012	General Fund	Utilities	City of Seattle		83.49
32194	08/06/2012	Street Fund	Utilities - Traffic Signals	City of Seattle		93.28
32194	08/06/2012	Street Fund	Utilities-street Lighting	City of Seattle		57.12
32194	08/06/2012	Street Fund	Utilities-street Lighting	City of Seattle		24.78
32194	08/06/2012	Street Fund	Utilities-street Lighting	City of Seattle		13.20
32194	08/06/2012	Street Fund	Utilities - Traffic Signals	City of Seattle		285.61
32194	08/06/2012	Street Fund	Utilities-street Lighting	City of Seattle		24.99
32194	08/06/2012	Street Fund	Utilities-street Lighting	City of Seattle		3,996.14
32194	08/06/2012	Street Fund	Utilities - Traffic Signals	City of Seattle		178.60
					Check Total:	8,352.70
32195	08/06/2012	Street Fund	Operating Rentals And Leases	City of SeaTac		287.50
32195	08/06/2012	Surface Water Management Fund	Operating Rentals And Leases	City of SeaTac		287.50
					Check Total:	575.00
32196	08/06/2012	Street Fund	Office And Operating Supplies	Culligan Seattle		16.43
32196	08/06/2012	Surface Water Management Fund	Office And Operating Supplies	Culligan Seattle		16.42

Check Number	Check Date	Fund Name	Account Name	Vendor Name		Amount
					Check Total:	32.85
32197	08/06/2012	General Fund	Human Svc-family/youth	Domestic Abuse Women's Network		500.00
					Check Total:	500.00
32198	08/06/2012	Parks & Gen Gov't CIP	Machinery/Equip Non-capitalize	Department of Enterprise Servi		5,885.40
					Check Total:	5,885.40
32199	08/06/2012	Surface Water Management Fund	Regional Watershed (wria9)	Department of Ecology		4,566.58
					Check Total:	4,566.58
32200	08/06/2012	Transportation CIP	construction	DPK Inc.		3,388.33
32200	08/06/2012	Transportation CIP	construction	DPK Inc.		240,517.57
32200	08/06/2012	Transportation CIP	construction	DPK Inc.		18,410.67
32200	08/06/2012	Transportation CIP	construction	DPK Inc.		6,852.26
					Check Total:	269,168.83
32201	08/06/2012	General Fund	Office and Operating Supplies	Dunn Lumber Co.		83.28
					Check Total:	83.28
32202	08/06/2012	General Fund	Professional Services	Davis Wright Tremaine		8,333.55
					Check Total:	8,333.55
32203	08/06/2012	General Fund	Repair/maint-vehicle	Elidrew, LLC		11.83
					Check Total:	11.83
32204	08/06/2012	General Fund	Telephone	Robert Edgar		69.95
					Check Total:	69.95
32205	08/06/2012	General Fund	Operating Rentals And Leases	Emerald City Water, LLC		147.83
					Check Total:	147.83

Check Number	Check Date	Fund Name	Account Name	Vendor Name		Amount
32206	08/06/2012	General Fund	Postage	FedEx		18.12
32206	08/06/2012	General Fund	Postage	FedEx		8.57
32206	08/06/2012	General Fund	Postage	FedEx		8.67
					Check Total:	35.36
32207	08/06/2012	Street Fund	Repairs & Maint. - Fleet	Firestone Complete Auto Care		226.53
32207	08/06/2012	Surface Water Management Fund	Repairs & Maint. - Fleet	Firestone Complete Auto Care		226.52
					Check Total:	453.05
32208	08/06/2012	General Fund	Att Svcs - Litigation - 1st So	Global Construction Services,		610.50
					Check Total:	610.50
32209	08/06/2012	General Fund	Professional Services	Goodbye Graffiti		1,761.86
					Check Total:	1,761.86
32210	08/06/2012	General Fund	Computer Related Supplies	Global One Technology Group In		309.89
					Check Total:	309.89
32211	08/06/2012	General Fund	Office And Operating Supplies	Grainger		300.33
					Check Total:	300.33
32212	08/06/2012	Street Fund	Operating Rentals And Leases	Greenbaum Burien-Phillips R Es		522.00
32212	08/06/2012	Surface Water Management Fund	Operating Rentals And Leases	Greenbaum Burien-Phillips R Es		522.00
					Check Total:	1,044.00
32213	08/06/2012	General Fund	Human Svc-family/youth	Highline Area Food Bank		2,500.00
					Check Total:	2,500.00
32214	08/06/2012	General Fund	Human Svc-family/youth	Hospitality House		1,875.00
					Check Total:	1,875.00
32215	08/06/2012	Street Fund	Repairs & Maint. - Fleet	Hi-line Auto Electric, Inc.		248.99
32215	08/06/2012	Surface Water Management Fund	Repairs & Maint. - Fleet	Hi-line Auto Electric, Inc.		248.98

Check Number	Check Date	Fund Name	Account Name	Vendor Name		Amount
					Check Total:	497.97
32216	08/06/2012	General Fund	Operating Rentals and Leases	Head-quarters		81.50
					Check Total:	81.50
32217	08/06/2012	General Fund	Annexation	Highline School District		50.00
32217	08/06/2012	General Fund	Annexation	Highline School District		32.50
					Check Total:	82.50
32218	08/06/2012	General Fund	Professional Services	Highline School District		313.75
32218	08/06/2012	General Fund	Professional Services	Highline School District		233.75
32218	08/06/2012	General Fund	Professional Services	Highline School District		492.75
					Check Total:	1,040.25
32219	08/06/2012	Street Fund	Repairs And Maintenance	ICON Materials		163.08
32219	08/06/2012	Surface Water Management Fund	Repairs And Maintenance	ICON Materials		163.08
32219	08/06/2012	Street Fund	Repairs And Maintenance	ICON Materials		34.25
32219	08/06/2012	Surface Water Management Fund	Repairs And Maintenance	ICON Materials		34.25
32219	08/06/2012	Street Fund	Repairs And Maintenance	ICON Materials		134.85
32219	08/06/2012	Surface Water Management Fund	Repairs And Maintenance	ICON Materials		134.86
32219	08/06/2012	Street Fund	Repairs And Maintenance	ICON Materials		166.45
32219	08/06/2012	Surface Water Management Fund	Repairs And Maintenance	ICON Materials		166.45
32219	08/06/2012	Surface Water Management Fund	Repairs And Maintenance	ICON Materials		214.89
32219	08/06/2012	Street Fund	Repairs And Maintenance	ICON Materials		214.90
32219	08/06/2012	Street Fund	Repairs And Maintenance	ICON Materials		128.93
32219	08/06/2012	Surface Water Management Fund	Repairs And Maintenance	ICON Materials		128.94
					Check Total:	1,684.93
32220	08/06/2012	General Fund	Dues/memberships/subscriptions	International Institute Of		175.00
					Check Total:	175.00
32221	08/06/2012	General Fund	Operating Rentals And Leases	RICOH USA Inc		1,000.36
					Check Total:	1,000.36
32222	08/06/2012	General Fund	Miscellaneous	Iron Mountain		572.16
32222	08/06/2012	General Fund	Miscellaneous	Iron Mountain		328.80

Check Number	Check Date	Fund Name	Account Name	Vendor Name		Amount
32222	08/06/2012	General Fund	Miscellaneous	Iron Mountain		229.31
					Check Total:	1,130.27
32223	08/06/2012	General Fund	Telephone	Integra Telecom		1,329.20
32223	08/06/2012	General Fund	Telephone	Integra Telecom		118.36
32223	08/06/2012	General Fund	Telephone	Integra Telecom		177.56
32223	08/06/2012	General Fund	Telephone	Integra Telecom		147.97
32223	08/06/2012	General Fund	Telephone	Integra Telecom		59.19
32223	08/06/2012	General Fund	Telephone	Integra Telecom		295.93
32223	08/06/2012	General Fund	Telephone	Integra Telecom		147.97
32223	08/06/2012	General Fund	Telephone	Integra Telecom		177.56
32223	08/06/2012	General Fund	Telephone	Integra Telecom		355.12
					Check Total:	2,808.86
32224	08/06/2012	General Fund	Repairs And Maintenance	Interstate Tire & Automotive		137.55
32224	08/06/2012	General Fund	Repair/maint-vehicle	Interstate Tire & Automotive		313.36
32224	08/06/2012	General Fund	Repair/maint-vehicle	Interstate Tire & Automotive		94.58
32224	08/06/2012	Street Fund	Repairs & Maint. - Fleet	Interstate Tire & Automotive		24.13
32224	08/06/2012	Surface Water Management Fund	Repairs & Maint. - Fleet	Interstate Tire & Automotive		24.13
32224	08/06/2012	General Fund	Repairs & Maint. - Fleet	Interstate Tire & Automotive		151.83
					Check Total:	745.58
32225	08/06/2012	General Fund	Telephone	LUCY KRAKOWIAK		54.99
					Check Total:	54.99
32226	08/06/2012	Street Fund	Office And Operating Supplies	King County Fleet Adm.		1,502.39
32226	08/06/2012	Surface Water Management Fund	Office And Operating Supplies	King County Fleet Adm.		621.28
					Check Total:	2,123.67
32227	08/06/2012	General Fund	Miscellaneous	King County Recorder		134.00
					Check Total:	134.00
32228	08/06/2012	General Fund	Police Contract - King Co	King County Sheriff's Office		817,584.00
					Check Total:	817,584.00
32229	08/06/2012	General Fund	Substance Abuses	KING COUNTY FINANCE		2,501.04

Check Number	Check Date	Fund Name	Account Name	Vendor Name		Amount
32229	08/06/2012	General Fund	Jail contracts	KING COUNTY FINANCE		261.46
					Check Total:	2,762.50
32230	08/06/2012	General Fund	Plan Review Fee Fire Dist 2	King County Fire District #2		1,532.38
					Check Total:	1,532.38
32231	08/06/2012	General Fund	King Co Pet License Trust Acct	King County Pet License		495.00
					Check Total:	495.00
32232	08/06/2012	General Fund	Drug seizure proceeds KCSO	K.C.Sheriff-Sgt.R. Crenshaw		800.00
					Check Total:	800.00
32233	08/06/2012	General Fund	Prosecution - City Atty	Kenyon Disend, PLLC		327.90
					Check Total:	327.90
32234	08/06/2012	General Fund	Prof. Svcs-instructors	Kim Klose		102.00
32234	08/06/2012	General Fund	Prof. Svcs-instructors	Kim Klose		130.80
					Check Total:	232.80
32235	08/06/2012	Parks & Gen Gov't CIP	Construction	Kompan, Inc.		74,082.06
					Check Total:	74,082.06
32236	08/06/2012	General Fund	Registration - Trainng/workshp	KIM KRAUSE		50.00
32236	08/06/2012	General Fund	Mileage	KIM KRAUSE		12.77
					Check Total:	62.77
32237	08/06/2012	General Fund	Office And Operating Supplies	Luke Cruise		48.90
					Check Total:	48.90
32238	08/06/2012	General Fund	Software Subscription Fees	Latitude Geographics Group Ltd		2,025.75
32238	08/06/2012	Surface Water Management Fund	GIS Plan Implementation	Latitude Geographics Group Ltd		2,025.75

Check Number	Check Date	Fund Name	Account Name	Vendor Name	Amount
				Check Total:	4,051.50
32239	08/06/2012	General Fund	Repairs And Maintenance	Les Schwab	1,074.88
				Check Total:	1,074.88
32240	08/06/2012	General Fund	Federal Lobbying Services	McBee Strategic Consulting LLC	1,935.48
				Check Total:	1,935.48
32241	08/06/2012	Surface Water Management Fund	Office And Operating Supplies	McLendon Hardware Inc	130.39
32241	08/06/2012	General Fund	Office and Operating Supplies	McLendon Hardware Inc	29.46
32241	08/06/2012	Street Fund	Office And Operating Supplies	McLendon Hardware Inc	180.30
32241	08/06/2012	Street Fund	Office And Operating Supplies	McLendon Hardware Inc	62.91
32241	08/06/2012	General Fund	Office and Operating Supplies	McLendon Hardware Inc	11.91
32241	08/06/2012	General Fund	Office and Operating Supplies	McLendon Hardware Inc	68.97
				Check Total:	483.94
32242	08/06/2012	Parks & Gen Gov't CIP	Construction	Mid-America Sports Advantage	50.02
32242	08/06/2012	Parks & Gen Gov't CIP	Construction	Mid-America Sports Advantage	847.90
				Check Total:	897.92
32243	08/06/2012	General Fund	Human Svc-family/youth	NAVOS	1,500.00
				Check Total:	1,500.00
32244	08/06/2012	General Fund	Operating Rentals and Leases	National Barricade Co. LLC	413.91
				Check Total:	413.91
32245	08/06/2012	General Fund	Human Svc-family/youth	New Futures	8,000.00
				Check Total:	8,000.00
32246	08/06/2012	General Fund	City Hall Custodial	National Maintenance Cont.	1,032.29
				Check Total:	1,032.29
32247	08/06/2012	General Fund	Building Maintenance	OpenWorks-Billing Agent	1,003.00
32247	08/06/2012	General Fund	Building Maintenance	OpenWorks-Billing Agent	605.00

Check Number	Check Date	Fund Name	Account Name	Vendor Name		Amount
					Check Total:	1,608.00
32248	08/06/2012	Street Fund	Repairs & Maint. - Fleet	O'Reilly Auto Parts		68.74
32248	08/06/2012	Surface Water Management Fund	Repairs & Maint. - Fleet	O'Reilly Auto Parts		68.73
					Check Total:	137.47
32249	08/06/2012	General Fund	Professional Services	OTAK, Inc		591.60
32249	08/06/2012	Surface Water Management Fund	Professional services	OTAK, Inc		2,366.40
					Check Total:	2,958.00
32250	08/06/2012	General Fund	Operating Rentals And Leases	Park Place Professional Bldg		490.00
					Check Total:	490.00
32251	08/06/2012	General Fund	Human Svc-family/youth	Pregnancy Aid of So. King Coun		500.00
					Check Total:	500.00
32252	08/06/2012	Transportation CIP	construction inspection	Perteet Inc.		49,075.55
					Check Total:	49,075.55
32253	08/06/2012	General Fund	Mileage	Petty Cash Custodian		23.45
32253	08/06/2012	General Fund	Mileage	Petty Cash Custodian		16.10
32253	08/06/2012	General Fund	Miscellaneous	Petty Cash Custodian		11.90
32253	08/06/2012	General Fund	Miscellaneous	Petty Cash Custodian		6.99
32253	08/06/2012	General Fund	Drug seizure proceeds KCSO	Petty Cash Custodian		25.00
32253	08/06/2012	General Fund	Registration - Trainng/workshp	Petty Cash Custodian		25.00
32253	08/06/2012	General Fund	Mileage	Petty Cash Custodian		7.22
32253	08/06/2012	General Fund	Mileage	Petty Cash Custodian		9.99
32253	08/06/2012	General Fund	Professional Services	Petty Cash Custodian		9.03
32253	08/06/2012	General Fund	Office And Operating Supplies	Petty Cash Custodian		17.09
32253	08/06/2012	General Fund	Miscellaneous	Petty Cash Custodian		7.99
32253	08/06/2012	Street Fund	Dt Business License Svcs	Petty Cash Custodian		25.00
32253	08/06/2012	General Fund	Registration - Trainng/workshp	Petty Cash Custodian		24.15
32253	08/06/2012	General Fund	Miscellaneous	Petty Cash Custodian		9.83
32253	08/06/2012	General Fund	Office And Operating Supplies	Petty Cash Custodian		21.63
32253	08/06/2012	Surface Water Management Fund	Lodging	Petty Cash Custodian		17.08
32253	08/06/2012	Street Fund	Lodging	Petty Cash Custodian		5.00
32253	08/06/2012	General Fund	Miscellaneous	Petty Cash Custodian		4.69

Check Number	Check Date	Fund Name	Account Name	Vendor Name		Amount
					Check Total:	267.14
32254	08/06/2012	General Fund	Office And Operating Supplies	Petty Cash Custodian		5.46
32254	08/06/2012	General Fund	Office And Operating Supplies	Petty Cash Custodian		5.35
32254	08/06/2012	General Fund	Office And Operating Supplies	Petty Cash Custodian		3.60
32254	08/06/2012	General Fund	Office and Operating Supplies	Petty Cash Custodian		1.63
32254	08/06/2012	General Fund	Office and Operating Supplies	Petty Cash Custodian		2.39
32254	08/06/2012	General Fund	Senior Trips	Petty Cash Custodian		24.40
32254	08/06/2012	General Fund	Admission and Entrance Fees	Petty Cash Custodian		8.95
32254	08/06/2012	General Fund	Admission and Entrance Fees	Petty Cash Custodian		7.68
32254	08/06/2012	General Fund	Admission and Entrance Fees	Petty Cash Custodian		2.00
32254	08/06/2012	General Fund	Admission and Entrance Fees	Petty Cash Custodian		10.00
32254	08/06/2012	General Fund	Admission and Entrance Fees	Petty Cash Custodian		3.00
32254	08/06/2012	General Fund	Admission and Entrance Fees	Petty Cash Custodian		10.00
32254	08/06/2012	General Fund	Admission and Entrance Fees	Petty Cash Custodian		5.00
32254	08/06/2012	General Fund	Admission and Entrance Fees	Petty Cash Custodian		10.00
32254	08/06/2012	General Fund	Admission and Entrance Fees	Petty Cash Custodian		5.00
32254	08/06/2012	General Fund	Admission and Entrance Fees	Petty Cash Custodian		10.00
32254	08/06/2012	General Fund	Admission and Entrance Fees	Petty Cash Custodian		3.50
32254	08/06/2012	General Fund	Admission and Entrance Fees	Petty Cash Custodian		9.77
32254	08/06/2012	General Fund	Admission and Entrance Fees	Petty Cash Custodian		4.00
32254	08/06/2012	General Fund	Admission and Entrance Fees	Petty Cash Custodian		4.00
32254	08/06/2012	General Fund	Admission and Entrance Fees	Petty Cash Custodian		10.00
32254	08/06/2012	General Fund	Admission and Entrance Fees	Petty Cash Custodian		10.00
32254	08/06/2012	General Fund	Admission and Entrance Fees	Petty Cash Custodian		10.00
32254	08/06/2012	General Fund	Admission and Entrance Fees	Petty Cash Custodian		10.00
32254	08/06/2012	General Fund	Admission and Entrance Fees	Petty Cash Custodian		10.00
32254	08/06/2012	General Fund	Admission and Entrance Fees	Petty Cash Custodian		5.00
32254	08/06/2012	General Fund	Admission and Entrance Fees	Petty Cash Custodian		10.00
32254	08/06/2012	General Fund	Admission and Entrance Fees	Petty Cash Custodian		5.00
32254	08/06/2012	General Fund	Admission and Entrance Fees	Petty Cash Custodian		10.00
					Check Total:	215.73
32255	08/06/2012	General Fund	Office And Operating Supplies	Petty Cash Custodian		4.36
32255	08/06/2012	General Fund	Office And Operating Supplies	Petty Cash Custodian		7.63
32255	08/06/2012	General Fund	Office and Operating Supplies	Petty Cash Custodian		17.70
32255	08/06/2012	General Fund	Office and Operating Supplies	Petty Cash Custodian		19.21
32255	08/06/2012	General Fund	Office and Operating Supplies	Petty Cash Custodian		7.98
32255	08/06/2012	General Fund	Office and Operating Supplies	Petty Cash Custodian		11.00
32255	08/06/2012	General Fund	Office and Operating Supplies	Petty Cash Custodian		21.00
32255	08/06/2012	General Fund	Office And Operating Supplies	Petty Cash Custodian		10.36
32255	08/06/2012	General Fund	Office And Operating Supplies	Petty Cash Custodian		2.18
32255	08/06/2012	General Fund	Office And Operating Supplies	Petty Cash Custodian		12.58

Check Number	Check Date	Fund Name	Account Name	Vendor Name		Amount
32255	08/06/2012	General Fund	Office and Operating Supplies	Petty Cash Custodian		8.75
32255	08/06/2012	General Fund	Other Travel	Petty Cash Custodian		5.00
32255	08/06/2012	General Fund	Other Travel	Petty Cash Custodian		2.20
					Check Total:	129.95
32256	08/06/2012	Surface Water Management Fund	Office And Operating Supplies	Pacific Industrial Supply		300.21
32256	08/06/2012	Street Fund	Office And Operating Supplies	Pacific Industrial Supply		300.21
					Check Total:	600.42
32257	08/06/2012	General Fund	Office and Operating Supplies	PLATT		136.62
					Check Total:	136.62
32258	08/06/2012	General Fund	Office And Operating Supplies	Poly Bag, LLC		77.50
					Check Total:	77.50
32259	08/06/2012	General Fund	City Hall Bldg Maintenance	PRG Investment Company, LLC		2,000.00
					Check Total:	2,000.00
32260	08/06/2012	General Fund	Building Maintenance	Protection One Alarm Monitorin		47.38
					Check Total:	47.38
32261	08/06/2012	General Fund	Subscriptions/publications	Puget Sound Business Journal		71.00
					Check Total:	71.00
32262	08/06/2012	General Fund	Admission and Entrance Fees	Pacific Science Center		739.50
					Check Total:	739.50
32263	08/06/2012	General Fund	Utilities	PSE Pmt. Processing		82.19
32263	08/06/2012	General Fund	Utilities	PSE Pmt. Processing		960.17
32263	08/06/2012	General Fund	Utilities	PSE Pmt. Processing		16.90
					Check Total:	1,059.26
32264	08/06/2012	General Fund	Electrical Permit	ADT Security Services Inc		61.60
32264	08/06/2012	General Fund	Electrical Permit	ADT Security Services Inc		61.60

Check Number	Check Date	Fund Name	Account Name	Vendor Name		Amount
32264	08/06/2012	General Fund	Electrical Permit	ADT Security Services Inc		59.20
					Check Total:	182.40
32265	08/06/2012	General Fund	Electrical Permit	Alpha & Omega Electric LLC		164.00
					Check Total:	164.00
32266	08/06/2012	Street Fund	Business Licenses	Commercial Insulation Service		37.50
					Check Total:	37.50
32267	08/06/2012	General Fund	Mechanical Permit	Vision Electric Inc		60.00
					Check Total:	60.00
32268	08/06/2012	General Fund	Plan Review Fee Fire Dist 2	Paul Cesmat		61.60
					Check Total:	61.60
32269	08/06/2012	General Fund	Electrical Permit	Legacy Electric		82.00
					Check Total:	82.00
32270	08/06/2012	General Fund	Planning & Devel Fees/charges	Kent Greene		296.00
					Check Total:	296.00
32271	08/06/2012	General Fund	Copying/printing & Other Fees	Barbara Dobkin		20.00
					Check Total:	20.00
32272	08/06/2012	General Fund	Security/performance Bond Payb	Victoria Shorten		1,372.80
					Check Total:	1,372.80
32273	08/06/2012	General Fund	Refund Clearing Account -Parks	Karli DuBois		103.00
					Check Total:	103.00
32274	08/06/2012	General Fund	Refund Clearing Account -Parks	Soledad Garcia		125.00

Check Number	Check Date	Fund Name	Account Name	Vendor Name		Amount
					Check Total:	125.00
32275	08/06/2012	General Fund	Refund Clearing Account -Parks	Highline Schools Foundation		500.00
					Check Total:	500.00
32276	08/06/2012	General Fund	Refund Clearing Account -Parks	Deborah House		66.00
					Check Total:	66.00
32277	08/06/2012	General Fund	Refund Clearing Account -Parks	Kiersten Hubbard		15.00
					Check Total:	15.00
32278	08/06/2012	General Fund	Refund Clearing Account -Parks	Virginia Orozco		8.00
					Check Total:	8.00
32279	08/06/2012	General Fund	Refund Clearing Account -Parks	Marisela Robles		500.00
					Check Total:	500.00
32280	08/06/2012	Street Fund	Business Licenses	Tin Room LLC		112.50
					Check Total:	112.50
32281	08/06/2012	Street Fund	Business Licenses	Trim Tab Financial Group LLC		130.00
					Check Total:	130.00
32282	08/06/2012	Street Fund	Repairs And Maintenance	Renton Concrete Recyclers LLC		47.25
32282	08/06/2012	Surface Water Management Fund	Repairs And Maintenance	Renton Concrete Recyclers LLC		47.25
					Check Total:	94.50
32283	08/06/2012	General Fund	Copying/printing & Other Fees	Claude McAlpin, III		265.20
					Check Total:	265.20
32284	08/06/2012	General Fund	Professional Services	River Oaks Communications Corp		334.94

Check Number	Check Date	Fund Name	Account Name	Vendor Name		Amount
					Check Total:	334.94
32285	08/06/2012	General Fund	Office and Operating Supplies	ALISA SAVAGE		69.32
					Check Total:	69.32
32286	08/06/2012	General Fund	Admission and Entrance Fees	MEGAN SCHMIEDER		55.50
					Check Total:	55.50
32287	08/06/2012	General Fund	Jail contracts	SCORE		29,668.34
					Check Total:	29,668.34
32288	08/06/2012	General Fund	Office and Operating Supplies	Seattle Pottery Supply Inc.		65.59
					Check Total:	65.59
32289	08/06/2012	General Fund	Advertising	Seattle Times		107.19
					Check Total:	107.19
32290	08/06/2012	General Fund	Office and Operating Supplies	Seatown Locksmith		67.80
32290	08/06/2012	General Fund	Office and Operating Supplies	Seatown Locksmith		153.30
32290	08/06/2012	General Fund	Office and Operating Supplies	Seatown Locksmith		234.24
32290	08/06/2012	General Fund	Office and Operating Supplies	Seatown Locksmith		29.57
					Check Total:	484.91
32291	08/06/2012	General Fund	Admission and Entrance Fees	Silverwood Theme Park		744.17
					Check Total:	744.17
32292	08/06/2012	General Fund	Prof. Svcs-instructors	Gretchen Sinclair		180.00
					Check Total:	180.00
32293	08/06/2012	Transportation CIP	professional services	Shiels Obletz Johnsen		1,313.25
					Check Total:	1,313.25

Check Number	Check Date	Fund Name	Account Name	Vendor Name	Amount
32294	08/06/2012	General Fund	Telephone	SPRINT	43.10
32294	08/06/2012	General Fund	Telephone	SPRINT	178.08
32294	08/06/2012	General Fund	Telephone	SPRINT	107.43
32294	08/06/2012	Street Fund	Telephone	SPRINT	223.94
32294	08/06/2012	Surface Water Management Fund	Telephone	SPRINT	332.09
32294	08/06/2012	General Fund	Telephone	SPRINT	102.07
32294	08/06/2012	General Fund	Telephone	SPRINT	153.52
32294	08/06/2012	General Fund	Drug seizure proceeds KCSO	SPRINT	318.71
				Check Total:	1,458.94
32295	08/06/2012	Surface Water Management Fund	Professional services	Summit Security & Sound System	60.00
32295	08/06/2012	Street Fund	Professional Services	Summit Security & Sound System	60.00
				Check Total:	120.00
32296	08/06/2012	General Fund	Human Svc-family/youth	Society of St. Vincent de Paul	2,175.00
				Check Total:	2,175.00
32297	08/06/2012	General Fund	Professional Services	State Auditor's Office	6,318.96
				Check Total:	6,318.96
32298	08/06/2012	General Fund	Quarterly Newsletter	The Daily Herald Company	250.00
				Check Total:	250.00
32299	08/06/2012	General Fund	Telephone	TelSpan, Inc.	5.60
32299	08/06/2012	General Fund	Telephone	TelSpan, Inc.	23.71
				Check Total:	29.31
32300	08/06/2012	General Fund	Small Tools & Equipment	Tri-Tec	314.27
32300	08/06/2012	General Fund	Professional Services	Tri-Tec	82.13
				Check Total:	396.40
32301	08/06/2012	General Fund	Parks Maintenance	Trugreen-landcare/NW Region	43,882.08
32301	08/06/2012	General Fund	Parks Maintenance	Trugreen-landcare/NW Region	184.16
32301	08/06/2012	General Fund	Parks Maintenance	Trugreen-landcare/NW Region	220.16
32301	08/06/2012	General Fund	Parks Maintenance	Trugreen-landcare/NW Region	173.71
32301	08/06/2012	General Fund	Parks Maintenance	Trugreen-landcare/NW Region	445.67

Check Number	Check Date	Fund Name	Account Name	Vendor Name		Amount
					Check Total:	44,905.78
32302	08/06/2012	General Fund	Human Svc-family/youth	Tukwila Pantry		1,250.00
					Check Total:	1,250.00
32303	08/06/2012	General Fund	Comprehensive Plan Costs	The Watershed Company		3,526.25
					Check Total:	3,526.25
32304	08/06/2012	General Fund	Operating Rentals and Leases	United Rentals America Inc		449.87
					Check Total:	449.87
32305	08/06/2012	General Fund	Operating Rentals and Leases	United Site Services		155.00
32305	08/06/2012	General Fund	Operating Rentals and Leases	United Site Services		67.86
					Check Total:	222.86
32306	08/06/2012	General Fund	Quarterly Newsletter	U.S. POSTAL SERVICE		4,200.00
					Check Total:	4,200.00
32307	08/06/2012	General Fund	Utilities	Valley View Sewer District		47.10
					Check Total:	47.10
32308	08/06/2012	Street Fund	Telephone	Verizon Wireless		80.06
32308	08/06/2012	Surface Water Management Fund	Telephone	Verizon Wireless		80.02
32308	08/06/2012	General Fund	Telephone	Verizon Wireless		40.01
32308	08/06/2012	General Fund	Telephone	Verizon Wireless		40.01
32308	08/06/2012	General Fund	Telephone	Verizon Wireless		40.01
					Check Total:	280.11
32309	08/06/2012	General Fund	Professional Services	Waldron Resources		3,283.67
					Check Total:	3,283.67
32310	08/06/2012	General Fund	Human Svc-family/youth	White Center Food Bank		2,500.00

Check Number	Check Date	Fund Name	Account Name	Vendor Name		Amount
					Check Total:	2,500.00
32311	08/06/2012	General Fund	Utilities	Water District No 20		50.00
					Check Total:	50.00
32312	08/06/2012	Street Fund	Landscape Maint - Utilities	Water District No. 49		777.75
32312	08/06/2012	Street Fund	Landscape Maint - Utilities	Water District No. 49		65.00
32312	08/06/2012	Street Fund	Landscape Maint - Utilities	Water District No. 49		65.00
32312	08/06/2012	Street Fund	Landscape Maint - Utilities	Water District No. 49		65.00
32312	08/06/2012	General Fund	Utilities	Water District No. 49		882.05
32312	08/06/2012	Street Fund	Landscape Maint - Utilities	Water District No. 49		91.25
					Check Total:	1,946.05
32313	08/06/2012	General Fund	Subscriptions/publications	West Payment Center		404.94
					Check Total:	404.94
32314	08/06/2012	Street Fund	Operating Rentals And Leases	Wilken Properties, LLC		2,783.16
32314	08/06/2012	Surface Water Management Fund	Operating Rentals And Leases	Wilken Properties, LLC		2,783.17
					Check Total:	5,566.33
32315	08/06/2012	General Fund	Jury & Witness Fees	Rachelle Langhans		15.10
					Check Total:	15.10
32316	08/06/2012	General Fund	Jury & Witness Fees	Ortiz Nunez		10.51
					Check Total:	10.51
32317	08/06/2012	General Fund	Jury & Witness Fees	Christina Moi		10.00
					Check Total:	10.00
32318	08/06/2012	General Fund	Jury & Witness Fees	Jonathan Rigney		10.00
					Check Total:	10.00
32319	08/06/2012	General Fund	Jury & Witness Fees	Paul Danielson		14.49

Check Number	Check Date	Fund Name	Account Name	Vendor Name		Amount
					Check Total:	14.49
32320	08/06/2012	General Fund	Jury & Witness Fees	Ashley Perdue		28.95
					Check Total:	28.95
32321	08/06/2012	General Fund	Jury & Witness Fees	Larry Leonard		15.10
					Check Total:	15.10
32322	08/06/2012	General Fund	Strawberry Festival	Washington Merchant Patrol LLC		1,362.50
32322	08/06/2012	General Fund	Seasonal Security	Washington Merchant Patrol LLC		1,700.00
32322	08/06/2012	General Fund	Seasonal Security	Washington Merchant Patrol LLC		3,312.50
32322	08/06/2012	General Fund	Professional Services	Washington Merchant Patrol LLC		375.00
					Check Total:	6,750.00
32323	08/06/2012	General Fund	Professional Services	Washington State Patrol		170.00
					Check Total:	170.00
32324	08/06/2012	General Fund	State Surcharge	STATE TREASURER		411.50
					Check Total:	411.50
32325	08/06/2012	General Fund	Human Svc-family/youth	YWCA		44.00
					Check Total:	44.00
					Report Total:	2,256,376.87

DRAFT

CITY COUNCIL MEETING MINUTES

July 16, 2012

6:00 p.m. - Special Meeting: to hold a discussion on naming committee members to prepare pro and con statements for the North Highline Annexation Ballot Measure

6:15 p.m. - Special Meeting: Executive Session to discuss potential litigation and real estate acquisition

7:00 p.m. – Regular Meeting

To hear Council's full discussion of a specific topic or the complete meeting, the following resources are available:

- *Watch the video-stream available on the City website, www.burienwa.gov*
- *Check out a DVD of the Council Meeting from the Burien Library*

SPECIAL MEETING

Mayor Bennett called the Special Meetings of the Burien City Council to order at 6:00 p.m. for the purpose of a discussion on naming committee members to prepare pro and con statements for the North Highline Annexation Ballot Measure and at 6:15 for the purpose of holding an Executive Session to discuss potential litigation per RCW 42.30.110(1)(i) and real estate acquisition per RCW 42.30.110(1)(b).

Present: Mayor Brian Bennett, Deputy Mayor Rose Clark, Councilmembers Jack Block, Jr., Bob Edgar, Lucy Krakowiak, Joan McGilton, and Gerald F. Robison.

Administrative staff present: Mike Martin, City Manager, Craig Knutson, City Attorney, and Dan Trimble, Economic Development Manager.

No action was taken.

The Special Meeting adjourned to the Regular Meeting at 6:35 p.m.

CALL TO ORDER

Mayor Bennett called the Meeting of the Burien City Council to order at 7:00 p.m.

PLEDGE OF ALLEGIANCE

Mayor Bennett led the Pledge of Allegiance.

ROLL CALL

Present: Mayor Brian Bennett, Deputy Mayor Rose Clark, Councilmembers Jack Block, Jr., Bob Edgar, Lucy Krakowiak, Joan McGilton and Gerald F. Robison.

Administrative staff present: Mike Martin, City Manager; Craig Knutson, City Attorney; Heungkook Lim, Capital Project Engineer; Maiya Andrews, Public Works Director; and Kathy Wetherbee, Department Assistant.

AGENDA CONFIRMATION

Direction/Action

Motion was made by Councilmember Block, Jr., seconded by Deputy Mayor Clark, to add Business Agenda Item "G" Discussion Regarding a Resolution Asking for Wage Parity for Recycling Workers. **Motion** passed 6-1. Opposed, Councilmember McGilton.

Direction/Action

Motion was made by Deputy Mayor Clark, seconded by Councilmember McGilton and passed unanimously to affirm the July 16, 2012, Agenda as amended.

PUBLIC COMMENT

Butch Henderson 11615 25th Avenue South, Burien
Mr. Henderson spoke to the King County Library 2004 Capital Plan.

Ed Dacy 2016 SW 146th Street, Burien
Mr. Dacy spoke to the confusion in regards to the City Light surcharge for undergrounding on Phase 1 for 1st Avenue.

Rachel Levine 430 South 124th Street, Burien
Ms Levine spoke to the Councilmembers support of the White Center and Boulevard Park libraries.

Goodspaceguy 10219 9th Avenue South, Seattle
Mr. Goodspaceguy stated that it is inappropriate for the City of Burien to buy property and sell it to a private developers, the City should buy property for City development.

John Poitras 1248 SW 149th Street, Burien
Mr. Poitras asked how much money was budgeted for the annexation.

Quinton Thompson, 179th South 182nd Street, Burien
Mr. Thompson spoke to the New Futures program, and the transportation needs of citizens.

Robbie Howell, 15240 20th Avenue SW, Burien
Ms. Howell spoke to the Burien Comprehensive Plan for 2020.

CORRESPONDENCE FOR THE RECORD

a. Email Dated June 29, 2012, from Joan Anderson Regarding Equality.
b. Written Comments for Meeting of July 2, 2012, from C. Edgar Regarding Request for Amendment to Land Use Map.
c. Email Dated July 4, 2012 from Hans Leistina Regarding Fire Works at Mormon Church.
d. Email Dated July 11, 2012, from Chris Smith-Clark Regarding July 2 City Council Meeting.

CONSENT AGENDA

a. Approval of Vouchers: Numbers 32055 - 32161 in the Amounts of $244,063.46 with Voided Check Nos. 32056 - 32058.
b. Approval of Minutes: Regular Council Meeting, July 2, 2012.
c. Adopt Ordinance No. 563, Amending Criminal Code Relating to False Statements to Police Officers and 911 Dispatchers.

Direction/Action
Motion was made by Deputy Mayor Clark, seconded by Councilmember McGilton, and passed unanimously to approve the July 16, 2012, Consent Agenda.

BUSINESS AGENDA

Presentation of the Century Agenda by the Port of Seattle.

John Creighton, Port Commissioner, provided handouts on the Port of Seattle Century Agenda and spoke to the goal of creating jobs, promoting industrial growth and stimulating economic development.

Presentation of the Lora Lake Clean-Up by the Washington State department of Ecology.

David L. South, P.E., Department of Ecology spoke to the clean-up at the Lora Lake Apartments and Lora Lake Sites.

Discussion on and Motion to Appoint Members to Prepare Pro and Con Statements for the Proposed North Highline Annexation Area Ballot Measure.

Direction/Action
Motion was made by Deputy Mayor Clark, seconded by Councilmember McGilton to appoint Ed Dacy, Barbara Dobkin and Liz Giba to Prepare Pro Statements and Peter Levine, Don Malo and Debi Wagner to Prepare Con Statements for the Proposed North Highline Annexation Area Ballot Measure.

Presentation and Discussion on the Drainage Master Plan.

Follow-up
Staff will place adoption of the Drainage Master Plan on August 6, 2012 Business Agenda for consideration.

Review of Proposed Council Agenda Schedule

Follow-up
Staff will schedule the NERA Grant on the August 6 Consent Agenda; schedule a discussion for funding sources for New Futures at the Heights of Burien on the August 6 Business Agenda; schedule in September a discussion on the White Center and Boulevard Park libraries; invite a Seattle City Light representative to a future meeting to discuss undergrounding fees; review the budget schedule to have the budget overview prior to first public hearing and present the financial policies prior to the budget discussion; email the Council regarding its economic development interest and requests; and schedule a Council Study Session for August 27 with Boards and Commissions on the agenda.

City Business

Follow-up
Staff will provide information in the City Manager's Report on the Community Animal Resource Education Society's (CARES) expenses and revenues.

Direction/Action
MOTION was made by Deputy Mayor Clark, seconded by Councilmember Block and passed unanimously to extend the meeting until 10:10 p.m.

Discussion Regarding a Resolution Asking for Wage Parity for Recycling Workers

Councilmember Block read the following statement:

> The City of Burien places a high value on protecting the environment and actively encourages its citizens to reduce materials entering the waste stream by participating in recycling programs.
>
> Presently Sanitation workers are paid a significantly higher wage than recycling workers. This does not reflect the City of Burien's stated commitment to the environment, sustainability and support of family wage jobs.
>
> Therefore the City of Burien believes that those individuals who are engaged in waste recycling should be compensated at comparable levels as those who are employed as sanitation workers and encourages its vendor to act accordingly.

Direction/Action

Motion was made by Councilmember Block, seconded by Deputy Mayor Clark, to consider a resolution regarding Wage Parity for Recycling Workers. **Motion** passed 5-2. Opposed, Councilmembers McGilton and Robison.

Craig Knutson, City Attorney, spoke to the form of the motion, stating that the maker and seconder should consider making it a statement in support of wage parity not a resolution.

Councilmember Block and Deputy Mayor Clark agreed to revise the motion to replace "consider a resolution regarding Wage Parity for Recycling Workers" with "consider a statement supporting Wage Parity for Recycling Workers."

COUNCIL REPORTS

Direction/Action

Councilmembers agreed to support the Mayors for the Freedom to Marry campaign.

ADJOURNMENT

Direction/Action

MOTION was made by Deputy Mayor Clark, seconded by Councilmember McGilton and passed unanimously to adjourn the meeting at 10:10p.m.

_____
Brian Bennett, Mayor

_____
Kathy Wetherbee, Department Assistant

DRAFT

CITY COUNCIL STUDY SESSION MINUTES
July 23, 2012

CALL TO ORDER
Mayor Bennett called the Study Session of the Burien City Council to order at 7:00 p.m.

PLEDGE OF ALLEGIANCE
Mayor Bennett led the Pledge of Allegiance.

ROLL CALL
Present: Mayor Brian Bennett, Deputy Mayor Rose Clark, Councilmembers Jack Block, Jr., Bob Edgar, Lucy Krakowiak, Joan McGilton and Gerald F. Robison.

Administrative staff present: Mike Martin, City Manager; Craig Knutson, City Attorney; Dan Trimble, Economic Development Manager; Kim Krause, Finance Director; Scott Greenberg, Community Development Director; and Monica Lusk, City Clerk.

DISCUSSION ITEMS
Financial Forecast
Follow-up
Staff will provide alternative items to cut in place of raising taxes, explore creating a metropolitan park district, consider moving the Reserve Fund or the Capital Projects Reserve Fund to the General Fund for the $300,000 funding gap in 2013, and schedule a continued discussion on August 6.

Goodspaceguy, 10219 Ninth Avenue South, Seattle
Mr. Goodspaceguy asked for clarification on the proposed parking tax.

Economic Development
Follow-up
Staff will provide Discover Burien's efforts on the marketing and recruiting of businesses and its outreach efforts to businesses outside of the downtown area.

Goodspaceguy, 10219 Ninth Avenue South, Seattle
Mr. Goodspaceguy asked what the acronyms stood for that were referred to in the discussion.

Bob Ewing, 15931 Maplewild Avenue SW, Burien
Mr. Ewing, Business and Economic Development Partnership member, supported having a Strategic Economic Development Plan that will focus on the whole city while keeping the vision for the Town Center, the Northwest Redevelopment Area (NERA) and the Wellness Corridor.

Ed Dacy, SW 146th Street, Burien
Mr. Dacy suggested the percentage of students in Burien that are home or private schooled and the economic impact of parks be included in the Strategic Economic Development Plan.

Nick Bratton, Policy Project Manager for Forterra (formerly Cascade Land Conservancy), spoke to the Landscape Conservation and Local Infrastructure Program.

ADJOURNMENT

Direction/Action

MOTION was made by Deputy Mayor Clark, seconded by Councilmember McGilton and passed unanimously to adjourn the meeting at 9:05 p.m.

_____
Brian Bennett, Mayor

_____
Monica Lusk, City Clerk

CITY OF BURIEN, WASHINGTON

ORDINANCE NO. 565

AN ORDINANCE OF THE CITY OF BURIEN, WASHINGTON, AMENDING THE 2011-2012 BIENNIAL BUDGET OF THE CITY OF BURIEN, WASHINGTON TO ADJUST REVENUES AND APPROPRIATE EXPENDITURES TO THE CITY FUNDS FOR 2011 AND 2012

WHEREAS, the City of Burien adopted the 2011-2012 Biennial Budget by Ordinance No. 547, and adopted Ordinance No. 558 amending the 2011-2012 Biennial Budget; and

WHEREAS, the City of Burien identified the Northeast Redevelopment Area (NERA) Drainage Improvement Project in its Surface Water Management CIP for funding in the year 2013; and

WHEREAS, in 2012, the City of Burien has been awarded a $3.45 million grant from the Department of Commerce Community Economic Revitalization Board for Stormwater Improvements in the NERA; and

WHEREAS, in 2012, the City of Burien has been awarded a $1 million grant from the Washington State Department of Ecology for Stormwater Improvements in NERA; and

WHEREAS, the City of Burien budgeted $100,000 from the Surface Water Management Capital Projects Fund for the NPDES Monitoring Program in the 2011-2012 Biennial Budget; and

WHEREAS, staff recommends that monitoring equipment be installed in Miller Creek as part of the NERA Drainage Improvement Project and that the $100,000 be reallocated to the NERA Drainage Improvement Project; and

WHEREAS, the City of Burien budgeted $200,000 from the Surface Water Management Capital Projects Fund for the Hermes Depression Pump Station Reconstruction in the 2011-2012 Biennial Budget; and

WHEREAS, staff recommends delaying the Hermes Depression Pump Station Reconstruction Project to a future year after further study is completed and reallocating those funds to the NERA Drainage Improvement Project to use as match for the grants received; and

WHEREAS, the NERA Drainage Improvement Project is a high-priority project for the City of Burien,

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF BURIEN, WASHINGTON, DOES ORDAIN AS FOLLOWS:

Section 1. The 2011-2012 Biennial Budget for the City of Burien for the period January 1, 2011 through December 31, 2012 is hereby amended to appropriate $4.75 million for the Northeast Redevelopment Project (NERA) Drainage Improvements beginning in 2012, with

- $3.45 million from the Department of Commerce;
- $1 million from the Department of Ecology; and
- $300,000 reallocated from the Surface Water Management Capital Projects Fund.

Section 2. Severability. Should any section, paragraph, sentence, clause or phrase of this Ordinance, or its application to any person or circumstance, be declared unconstitutional or otherwise invalid for any reason, or should any portion of this Ordinance be pre-empted by state or federal law or regulation, such decision or pre-emption shall not affect the validity of the remaining portions of this Ordinance or its application to other persons or circumstances.

Section 3. Effective Date. This Ordinance shall take effect five days after publication.

ADOPTED BY THE CITY COUNCIL OF THE CITY OF BURIEN, WASHINGTON, AT A REGULAR MEETING THEREOF THIS ____ DAY OF _____, 2012.

CITY OF BURIEN

_____
Brian Bennett, Mayor

ATTEST/AUTHENTICATED:

_____
Monica Lusk, City Clerk

Approved as to form:

_____
Craig D. Knutson, City Attorney

Filed with the City Clerk:
Passed by the City Council:
Ordinance No.: 565
Date of Publication:

R:/CC/AAA Ordinances/Ord565

CITY OF BURIEN
AGENDA BILL

Agenda Subject: Public Hearing on the Preliminary 2013 – 2014 Biennial Budget		**Meeting Date:** August 6, 2012
Department: Finance Department **Contact:** Kim Krause, Finance Director **Telephone:** (206) 439-3150	**Attachments:** Public Hearing Notice	**Fund Source:** N/A **Activity Cost:** N/A **Amount Budgeted:** N/A **Unencumbered Budget Authority:** N/A
Adopted Work Plan Priority: Yes No X	**Work Plan Item Description:** N/A	

PURPOSE/REQUIRED ACTION:

The purpose of this agenda item is for Council to hold a public hearing to receive public comments on the City of Burien 2013 – 2014 Biennial Budget prior to its preparation. Citizens and community organizations are encouraged to participate by providing the Council with their priorities for future infrastructure projects, public safety enhancements, human services programs, cultural and recreational opportunities, and other public services.

BACKGROUND (*Include prior Council action & discussion*):

The Preliminary 2013 – 2014 Biennial Budget will be presented to the City Council on October 1, 2012. Discussion of the budget will occur at various Council meetings during October and November 2012. The tentative date for adopting the City of Burien 2013 – 2014 Biennial Budget is November 19, 2012.

OPTIONS (*Including fiscal impacts*): N/A

Administrative Recommendation: Conduct public hearing on the Preliminary 2013 – 2014 Biennial Budget.

Committee Recommendation: N/A

Advisory Board Recommendation: N/A

Suggested Motion: None Required.

Submitted by: Kim Krause
Administration _____ **City Manager** _____

Today's Date: July 31, 2012	**File Code: \\File01\records\CC\Agenda Bill 2012\080612ad-1 Public Hearing on Preliminary Budget.docx**

Burien
Washington, USA
400 SW 152nd St., Ste. 300, Burien, Washington 98166
Phone: (206) 241-4647 • FAX (206) 248-5539
www.burienwa.gov

DATE: **July 24, 2012**
FOR RELEASE: **July 25, 2012**
CONTACT: **Finance Department**
Telephone: (206) 439-3150

TIME CHANGE

CITY OF BURIEN
2013-2014 PRELIMINARY BUDGET
PUBLIC HEARING NOTICE

The City of Burien will hold a public hearing on Monday, August 6, 2012, for the purpose of:

Receiving comments on the 2013-2014 Biennial Budget prior to its preparation.

Citizens and community organizations are encouraged to participate by providing the Council with their priorities for future infrastructure projects, public safety enhancements, human services programs, cultural and recreational opportunities, and other public services.

The hearing will be in the Council Chambers at Burien City Hall, 400 SW 152nd Street, at approximately 7:00 p.m.

Sign language and communication in alternate format can be arranged given sufficient notice. Please contact the City Clerk's office at (206) 248-5517.

###

Published in The Seattle Times: July 26, 2012
Published in The Highline Times: August 1, 2012

cc: Burien City Council
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Burien Daily

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CITY OF BURIEN
AGENDA BILL

Agenda Subject: Follow-up to Council Questions Regarding the 2013-18 Financial Forecast		**Meeting Date:** August 6, 2012
Department: Finance Department	**Attachments:**	**Fund Source:** N/A **Activity Cost:** N/A **Amount Budgeted:** N/A **Unencumbered Budget Authority:** N/A
Contact: Kim Krause, Finance Director	None	
Telephone: (206) 439-3150		

PURPOSE/REQUIRED ACTION:

The purpose of this agenda item is to respond to questions posed by Council during the July 23, 2012 Financial Forecast Presentation.

BACKGROUND (*Include prior Council action & discussion*):

On July 23, 2012, Council asked several questions regarding the 2013-18 Financial Forecast. Some of the questions required extensive research and the work was not complete in time to include in the packet. Staff will distribute a PowerPoint presentation at the August 6, 2012 meeting.

OPTIONS (*Including fiscal impacts*): N/A

Administrative Recommendation: Hold discussion and provide direction to staff.

Committee Recommendation: N/A

Advisory Board Recommendation: N/A

Suggested Motion: None Required.

Submitted by: Kim Krause
Administration _____ **City Manager** _____

Today's Date: August 1, 2012	**File Code: \\File01\records\CC\Agenda Bill 2012\080612ad-3 Financial Forecast Follow-up Discussion.docx**

CITY OF BURIEN
AGENDA BILL

Agenda Subject: Discussion of Financial Policies		**Meeting Date:** August 6, 2012
Department: Finance Department **Contact:** Kim Krause, Finance Director **Telephone:** (206) 439-3150	**Attachments:** Financial Policies	**Fund Source:** N/A **Activity Cost:** N/A **Amount Budgeted:** N/A **Unencumbered Budget Authority:** N/A
Adopted Work Plan Priority: Yes No X	**Work Plan Item Description:** N/A	

PURPOSE/REQUIRED ACTION:

The purpose of this agenda item is to discuss and consider for approval proposed changes to the City's Financial Policies.

BACKGROUND (*Include prior Council action & discussion*):

The City reviews its financial policies at the start of every budget development cycle. Staff is requesting Council direction on the proposed revisions, which are highlighted in track changes on the attached document. Additions, deletions and revisions include the following:

1. Staff is recommending increasing the City's General Fund Reserve from 10% to 20% over the next 10 years. This will improve the City's ability to weather economic downturns and strengthen the City's credit rating.
2. Moving the solid waste franchise fees and solid waste utility taxes from the General Fund to the Street Fund. The franchise fees were moved in the 2012 budget amendment adopted by the Council on November 28, 2012. This revision incorporates that change into the policies. Staff is proposing to return the solid waste utility taxes to the Street Fund beginning in 2013.
3. Increase the Seattle City Light Franchise Fee to 6% on the revenue derived from the distribution portion of the SCL service to customers in the City. The franchise fee increase will take effect in 2014 and will be allocated 100% to the General Fund.
4. Increase the electric utility tax (PSE) from 3% to 6%. This revenue will be allocated 100% to the General Fund.
5. Revise Section E, #6 to clarify Council approval of position or pay classification changes.
6. Delete Section E, #7 regarding periodic evaluation of the City's fund and fee structure, as it is redundant with Section F, #3.
7. Revise the language regarding the property tax allocation so that the 1% annual increase to the Capital Project Reserve Fund is contingent upon a 1% growth in property tax revenue.
8. Revise the language regarding the competitiveness of the City's compensation structure to include a limitation based on the City's ability to pay.
9. Add language that only allows departments to carry over unspent funds within the biennium only upon City Manager approval. Unspent funds are currently carried over automatically.

OPTIONS (*Including fiscal impacts*): N/A

Administrative Recommendation: Discuss financial policies and provide direction to staff.

Committee Recommendation: N/A

Advisory Board Recommendation: N/A

Suggested Motion: None Required.

Submitted by: Kim Krause
Administration _____ **City Manager** _____

Today's Date: July 31, 2012	**File Code: \\File01\records\CC\Agenda Bill 2012\080612ad-1 Public Hearing on Preliminary Budget.docx**

CITY OF BURIEN
FINANCIAL POLICIES

The City's Financial Policies are intended to serve as a Council-approved set of values and expectations for Council Members, City staff, citizens and other interested parties who may do business with the City. The use of the term "City" refers to all City officials and staff who are responsible for the activities to carry out these policies. The policies describe expectations for financial planning, budgeting, accounting, reporting and other management practices. They have been prepared to assure prudent financial management and responsible stewardship of the City's financial and physical resources.

A. City Funds

The City shall utilize "governmental fund accounting" as the organizational structure for its financial activities. The following funds have been established for budgeting, accounting and reporting.

OPERATING FUNDS

1. The *General Fund* is the general operating fund of the City. It accounts for all financial resources and transactions except those required to be accounted for in another fund.

2. The *Street Fund* is required by state law to account for dedicated state-shared gas tax revenue, The City's business license fee revenue, solid waste franchise fees and solid waste utility taxes are ~~is~~ also deposited in this fund. Monies in the Street Fund are used for street maintenance and transportation capital projects.

3. The *Surface Water Management Fund* accounts for the maintenance and capital improvements to the City's storm and surface water drainage system. Revenues come from fees collected from residential and commercial property owners.

RESERVE FUNDS

1. The *Equipment Replacement Reserve Fund* provides monies for the orderly replacement of City assets with a value over $1,000 and with an estimated service life of three or more years. All monies come from the City's Operating Funds (General, Street, and Surface Water Management).

2. The *Public Works Reserve Fund* is utilized to accumulate monies for future Capital Improvement Program projects. Funding sources include the Real Estate Excise Tax (REET), Park Mitigation Fees, and transfers from the General Fund.

3. The *Capital Project Reserve* was established to accumulate monies from the City's annual property tax levy for future Capital Improvement Program projects.

4. The *Art in Public Places Fund* accounts for contributions, donations and commissions on sales of art displayed in public places along with 1% of construction contracts for City owned buildings, transit centers and parks.

5. The *Local Improvement District (LID) Guaranty Fund* is required by State law to maintain a balance of not less than 10% of the City's outstanding LID assessments. All monies in the Fund come from the Street Fund; any monies in excess of the needs of the LID Guaranty Fund are returned to the Street Fund.

DEBT SERVICE FUND

1. The City maintains a single *Debt Service Fund* to account for the resources necessary to pay principal and interest when due on the City's outstanding General Obligation Bonds, Local Improvement District Bonds, and Public Works Trust Fund Loans.

CAPITAL IMPROVEMENT PROGRAM FUNDS

Four Capital Improvement Program Funds have been established to account for the revenues and expenditures associated with the following Capital Improvement Program project areas:

1. Parks and General Government;
2. Town Square;
3. Transportation; and
4. Surface Water Management.

B. Resource Planning

1. To assure stability and continuity in City services, the City will prepare and update on a biennial basis a six-year Financial Forecast for all City Operating and Reserve Funds. This biennial planning process will enable citizens, staff, advisory committees, and the City Council to discuss current and future programs, service levels, and capital facility needs.

2. The relationship between the Operating and Capital Budgets will be incorporated into the Financial Forecasts and Budgets. Maintenance and operating costs associated with new Capital Improvement Program projects shall be disclosed in the Capital Budget when projects are being considered and included in the Operating Budget when the projects are complete.

3. The City Manager shall develop on a biennial basis a Financial Planning calendar that will provide for the timely update of the six-year Financial Forecasts for all City Operating and Reserve Funds along with the biennial process to develop, review, and adopt the City's Operating and Capital Budgets.

4. The City's Operating and Capital Budgets will implement City Council adopted goals and policies, long-range plans, and service choices for the community.

5. The City will use "prudent revenue and expenditure assumptions" in the development of the six-year Financial Forecasts, Operating and Capital Budgets. Revenue and expenditure estimates shall be conservative to generally produce variances from budget estimates in the 3% to 5% range for overall fund revenues and 3% to 5% range for overall fund expenditures.

6. One-time resources shall be identified and shall be used to support one-time expenditures. Ongoing expenditure programs shall only be supported by ongoing resources.

7. Where estimated expenditures and fund balances exceed estimated resources for any Financial Forecast, potential options to bring the six-year Financial Forecasts into balance shall be included as an integral part of the Budget process.

C. Fund Balance and Reserve Levels

Budgeted fund balances shall be established at a minimum of 10% of budgeted recurring revenue for the General Fund and 5% of budgeted recurring revenues for the Street and Surface Water Management Funds. The City's General Fund Reserve shall be increased to 20% by 2022.

Comment [kk1]: Staff recommends increasing the General Fund Reserve to 20% over the next 10 years to improve the City's ability to weather economic downturns and strengthen the City's credit rating.

The City hereby establishes and will maintain reservations of Fund Balance, as defined in accordance with Governmental Accounting and Financial Standards Board Statement No. 54, *Fund Balance Reporting and Governmental Fund Type Definitions*. This Policy shall only apply to the City's governmental funds. Fund Balance shall be composed of the following five categories:

1. Non-Spendable Fund Balance – Amounts that are not in a spendable form (such as inventory) or are required to be maintained intact (such as the principal of an endowment fund).
2. Restricted Fund Balance – Amounts that can be spent only for the specific purposes stipulated by external resource providers (such as grantors), constitutionally, or through enabling legislation (that is, legislation that creates a new revenue source and restricts its use). Restrictions may only be changed or lifted with the consent of the resource providers.
3. Committed Fund Balance – Amounts that can be used only for the specific purposes determined by formal action of the City Council. Commitments may be changed or lifted only by the City Council taking the same formal action that imposed the constraint originally.
4. Assigned Fund Balance – Amounts the City intends to use for a specific purpose.
5. Unassigned Fund Balance – The residual classification for the General Fund and includes all amounts not contained in the other classifications. Unassigned amounts are the portion of fund balance that is not obligated or specifically designated and is available for any purpose.

The Finance Director shall have the authority to assign amounts of fund balance to a specific purpose; however, before expenditure, amounts must be appropriated by the City Council.

When expenditures are incurred for purposes for which both restricted and unrestricted fund balance is available, restricted fund balance is considered to have been spent first.

When expenditures are incurred for purposes for which amounts in any of unrestricted fund balance classifications can be used, committed amounts shall be reduced first, followed by assigned amounts and then unassigned amounts.

D. Resource Allocation

The City Council has established the following allocations for designated revenues:

1. Not less than 1% of annual General Fund expenditures will be for Human Services programs.

2. Solid Waste franchise revenues are allocated 100% to the Street Fund for street maintenance activities.

3. Solid Waste Utility Tax revenues are allocated 100% to the Street Fund for street maintenance activities.

4. The Seattle City Light franchise fee will be adjusted to six percent of the amount of revenue derived from the power portion of the SCL service to customers in the City and six percent of the amount of revenue derived from the distribution portion of the SCL service to customers in the City. This franchise fee increase will take effect in 2014 and will be allocated 100% to the General Fund.

5. The City shall increase the electric utility tax from 3% to 6%. This revenue will be allocated 100% to the General Fund.

Comment [kk2]: This change was approved in Ordinance #558 was adopted, amending the 2011-12 Biennial Budget. This language incorporates that change into the policies.

Comment [kk3]: This suggested language is pending Council approval of the recommendations made during the financial forecast.

Comment [kk4]: This suggested language is pending Council approval of the recommendations made during the financial forecast.

Comment [kk5]: This suggested language is pending Council approval of the recommendations made during the financial forecast. If Council approves this, staff with return with a an ordinance to modify the municipal code.

E. Accounting, Budget, and Financial Practice Policies

1. The City will maintain an accounting and financial reporting system that fully meets professional standards, state accounting requirements, and standards used by debt rating agencies.

2. Financial procedures shall be developed to assure appropriate controls are in place to protect City assets and to provide for the development of timely financial reporting.

3. Procurement policies and procedures shall be developed and periodically updated as needed to meet legal requirements and assure effective and competitive purchasing practices.

4. The City will strive to maintain at least an "A1" bond rating from Moody's Investor Services.

5. The Finance Director shall provide to the City Council not less than quarterly a Financial Status Report for all City Funds. This Report will include comparisons of actual revenue and expenditure performance to the respective Budget estimates. Where revenue collections are, or are anticipated to be significantly less than Budget estimates, and/or, where expenditures are, or are anticipated to be significantly greater than Budget estimates, the Finance Director shall include recommendations for possible adjustments or actions.

6. In accordance with state law, the City Manager is authorized to transfer budgeted amounts within any fund; however, any revisions that alter the total expenditure authority (appropriation) of a fund, ~~or change~~ that increase the total number of authorized employee positions, or that change any salary rate within the pay classification system in the budget by more than 5%~~, hours, or other conditions of employment,~~ must be approved by the City Council.

~~7. Staff shall provide for a periodic evaluation of the City's Fund and fee structure to provide for service delivery and/or cost recovery enhancements.~~

Comment [kk6]: This revision provides clarification for staff regarding the intent of this policy. In addition, staff has been working to standardize the salary ranges and allowing the City Manager to adjust a salary range by less than 5% allows staff to easily and efficiently continue with this work as vacancies occur.

Comment [kk7]: Staff is recommending removal of #7 as it is redundant with F.3.

F. Revenue Policies

1. To minimize the impact of cyclical economic downturns on ~~City~~ General Fund revenues and services, the City will attempt to diversify its economic base.

2. Where the City has authority to establish and change fees and charges, all such fees and charges shall be adjusted annually for inflation, based on the change in the Implicit Price Deflator (IPD) for State and Local Government Consumption Expenditures and Gross Investment for the twelve month period ending June 30, or other applicable index or measure.

3. The City will establish cost recovery policies for fee supported services which consider the relative public/private benefits received from the services being provided and/or the desirability of providing access to services for specialized populations. These policies will determine the percentage of full service costs to be recovered through fees. The level of cost recovery may be adjusted to ensure that rates are current, equitable, and competitive and cover that percentage of the total cost deemed appropriate. Staff shall submit periodic financial reports to the Council on the progress in meeting the policies.

4. Grant revenue will be included in the City's Financial Forecasts and Budgets when it is probable the City will receive the grant award.

5. Property taxes levied for general government operations will be at least 1% more than levied in the prior year plus the amount received as a result of new construction. Effective with the 2012 Property Tax Levy, 90% of the Property Taxes will be allocated to the

General Fund and 10% will be allocated to the Capital Projects Reserve Fund. Property taxes set aside in the Capital Projects Reserve Fund will grow at 1% per year beginning in 2013, contingent upon a minimum of 1% growth in total Property Tax revenue.

G. Capital Improvement Program Policies

1. The City will plan for capital improvements over a multi-year period. The Capital Improvement Program will directly relate to the City's long-range plans and policies. When capital improvements are being planned, maintenance & operating costs will be estimated and identified within the City's Financial Forecasts. When the capital projects are complete, monies will be included in the City's Operating Budget to provide for maintenance and operating costs.

2. To ~~maintain~~ plan for replacement of the City's physical assets, the City shall maintain a current inventory ~~will be maintained~~ of all of the City assets, ~~and~~ their condition, ~~maintenance~~ and estimated replacement costs. The City shall maintain an Equipment Replacement Reserve Fund ~~through~~ consisting of cash reserves set aside each year to provide for the timely and orderly replacement of assets. The Equipment Replacement Reserve Fund shall be included in the update of the City's Financial Forecasts.

3. The City will maintain an "Art in Public Places Fund" for the purpose of providing funds for capital improvement projects funded wholly or in part by the City of Burien for construction or remodeling of government owned public buildings, transit centers and parks.

4. A capital project is defined as a project of a nonrecurring nature with a cost of $25,000 or more and estimated service life of at least 10 years including major renovations of existing facilities. Routine maintenance of existing facilities, however, should not be included in capital requests.

5. The Adopted Capital Facilities Element of the Burien Comprehensive Plan provides guidance regarding the development of the City's Capital Improvement Program.

6. For each Fund included in ~~of~~ the Capital Improvement Program (Parks and General Government, Town Square, Transportation, and Surface Water Management), funding sources will be identified so that it will be clear what local funds, grant funds, and other revenue sources are supporting each program.

7. The City will use Community Development Block Grant capital funds for eligible capital projects that are included in the City's adopted Capital Improvement Program. The funds will only be spent on eligible projects that benefit low and moderate income individuals as defined in the Community Development Block Grant regulations.

H. Debt Policies

1. When evaluating the use of councilmanic debt and the associated debt service obligations, a financial feasibility analysis will be performed including the City's ability to make debt service payments, taking into account revenue fluctuations associated with periodic economic cycles.

2. Voted and councilmanic debt will be used prudently in a manner to avoid any adverse impact on the City's credit rating.

3. The City will establish appropriate procedures to assure compliance with its bond covenants and all other applicable federal, state, and local laws, policies or regulations.

4. Debt may be used on a limited basis for specific short-term cash flow needs. Debt will not be used to fund long-term revenue shortages. For major capital projects with long-term useful lives (normally 20 years or more) and where costs exceed short-term cash flows, debt may be used provided there is sufficient discretionary revenue within the Financial Forecasts Plan to service the debt without disrupting the City's existing service delivery programs.

I. Investment Policies

1. The City will follow state law and the following criteria in priority order when investing City monies:
   a. Preserve capital through prudent financial investments;
   b. Maintain sufficient liquidity so that monies are available when needed; and
   c. Achieve the best available rate of return.

2. The City will provide the appropriate accounting and reporting for any private donations or monies held in trust by the City.

J. Financial Management and Organizational Review Policies

1. The City Manager will periodically review the City's organizational structure to assure that it is responsive to current conditions; and to eliminate service duplication within the organization and with other local government jurisdictions~~ is eliminated~~. Periodic performance audits may be used to assess organizational costs and effectiveness. Periodic budget reviews shall be made to examine departmental and/or program line-item costs.

2. The City Manager will periodically evaluate the City's administrative and direct service delivery systems to determine whether a service should be provided by the City, by agreement with a qualified and or competitively priced private or public contractor, or eliminated due to changes in community needs and expectations.

3. The City Council will adopt, through the biennial Budget, service levels, a work program, and performance standards that reflect City revenues, community expectations and legal requirements. The City is committed to examining how it provides services so that

service levels and performance standards are met or exceeded at the least cost to the public.

4. The City's compensation structure (salaries and benefits) will be reviewed at least every three years. The City's compensation structure shall be competitive with that of comparable public sector employers in the relevant recruiting or market area; however, no adjustments shall be made if it is determined the City does not have the ability to pay. The criteria for reviewing employee salaries and benefits will also include internal comparability for similar jobs ~~and the City's ability to pay~~. If relevant private sector comparisons are available, they will be considered.

5. The City will, within available resources, maintain the productivity of staff through a supportive working environment, which includes appropriate equipment, supplies, materials, and professional staff development.

6. The City will evaluate its use of intergovernmental service contracts to prevent duplication of services and to assure an effective and efficient service delivery system to the community.

7. The City adopts biennial budgets at the start of every odd-numbered year. The biennial budget provides a two-year expenditure appropriation with side-by-side one-year budget displays. To avoid overspending the two-year appropriation too quickly, departments are held to single-year budgets and are generally not able to commit funds from the second year of the biennium before it begins. The City Manager may approve the carryover of unspent funds from the first year to the second year if it is determined that a program and/or project was not complete at the end of the year and funds are available.

Comment [kk8]: This language is more restrictive than the policies adopted with the biennial budget as departments are currently allowed to carryover unspent funds from the first year to the second year of the biennium.

K. Contract Approval Authority

The approval authority for execution of City contracts is as follows:

1. The City Manager will have authority to sign contracts up to $25,000.

2. The City Manager will have authority to sign contracts over $25,000 for equipment, goods, and services that are included in the Adopted Budget.

3. Contracts that exceed Adopted Budget spending authority must be placed on the Council agenda for discussion and approval.

4. Contracts over $25,000 for initiatives not included in the Adopted Budget must be placed on the Council agenda for discussion and approval.

5. All capital projects in which there is a material change in scope must be placed on the Council agenda for discussion and approval.

CITY OF BURIEN
AGENDA BILL

Agenda Subject: Adoption of the Storm Drainage Master Plan		**Meeting Date:** August 6, 2012
Department: Public Works	**Attachments:** 1) Storm Drainage Master Plan	**Fund Source:** N/A **Activity Cost:** N/A **Amount Budgeted:** N/A
Contact: Maiya I. Andrews, Public Works Director		
Telephone: (206) 248-5521		
Adopted Work Plan Priority: Yes X No__.	**Work Plan Item Description:** Adoption of Storm Drainage Master Plan	

PURPOSE/REQUIRED ACTION: The purpose of this agenda item is to present and adopt the Storm Drainage Master Plan (SDMP).

BACKGROUND (*Include prior Council action & discussion*):
The last SDMP was adopted by Council in May 2005. It is being updated in order to:

- Ensure compliance with the National Pollution Discharge Elmination system (NPDES);
- Ensure program operational needs are met;
- Identify maintenant needs;
- Address local drainage, flooding and water quality issues; and
- Update the Capital Projects list.

The draft includes recommended increases to the City's stormwater fee to provide the staffing and equipment necessary to comply with the new NPDES requirements in the coming year.

Updated Info: The attached draft incorporates the minor changes requested by Council at its July 16, 2012 meeting. Those changes are:

Acknowledgements page: Changed "Major" to "Mayor".
Page 2-4: Changed to 3.2 square miles and 17,000 residents.
Page 3-12: Inserted sentence about the "Puget Sound Action Area".
Page 3-12: Inserted graphic.
Page 3-13, 3-14: replaced pages due to edits on page 3-12.

OPTIONS *(Including fiscal impacts)*: N/A

Administrative Recommendation: Staff recommends approval of the motion to adopt this plan.

Committee Recommendation: N/A

Advisory Board Recommendation: N/A

Suggested Motion: I move to adopt the City of Burien Storm Drainage Master Plan (July 2012).

Submitted by: Maiya I. Andrews, Public Works Director
Administration _____ **City Manager** _____

Today's Date: July 30, 2012	**File Code**: *R:\CC\Agenda Bill 2012\080612pw-1 SDMP Adoption.docx*

otak

HanmiGlobal Partner

City of Burien, Washington

Storm Drainage Master Plan

JULY 2012

Acknowledgements

City of Burien, Washington
Storm Drainage Master Plan

City Council

Brian Bennett, Mayor
Rose Clark, Deputy Mayor
Jack Block
Joan McGilton
Lucy Krakowiak
Gerald Robinson
Bob Edgar

City Manager

Mike Martin

Public Works Department

Maiya Andrews, Public Works Director
Heungkook Lim, Surface Water Management Engineer
Malissa Phok, Right of Way Inspector
Samir Basmeh, Maintenance Manager
Jeff Heglund, Maintenance Worker

Prepared by
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10230 NE Points Drive, Suite 400
Kirkland, WA 98033

City of Burien
Storm Drainage Master Plan
Table of Contents

Section 3: Stormwater Program Analysis

Section 4: Stormwater Program Capital Needs

Section 5: Watershed Enhancement Program

Section 6: Summary and Recommendations

Section 7: References

Appendices

Abbreviations and Acronyms

2005 ECOLOGY MANUAL	2005 Department of Ecology Stormwater Management Manual for Western Washington
BMC	Burien Municipal Code
BMP	Best Management Practice
CB	Catch Basin
CIP	Capital Improvement Projects
CITY	City of Burien
ESA	Endangered Species Act
ECOLOGY	Washington State Department of Ecology
FTE	Full Time Equivalent
GIS	Geographic Information System
IDDE	Illicit Discharge Detection and Elimination
KCSWDM	King County Surface Water Design Manual
LID	Low Impact Development
NERA	Northeast Redevelopment Area
NPDES	National Pollution Discharge Elimination System
PARTNERSHIP	Puget Sound Partnership
PHASE II PERMIT	2007 National Pollution Discharge Elimination System Phase II Municipal Stormwater Permit
SDMP	Storm Drainage Master Plan
SWMP	Stormwater Management Plan
SWP	Small Works Project
SWPPP	Stormwater Pollution Prevention Plan
TMDL	Total Maximum Daily Load
UIC	Underground Injection Control
UTILITY	Surface Water Utility
WAC	Washington Administrative Code
WRIA	Water Resource Inventory Area

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City of Burien
Storm Drainage Master Plan
Executive Summary

Background

The City of Burien is a young city located just south of Seattle, Washington. The City faces numerous demands on both the staff and financial resources. Over the last several years, the City has worked to establish a Stormwater Program to meet regulatory requirements, protect water quality, maintain the City's drainage infrastructure, and construct capital construction projects. The goals of the City's Stormwater Program are to:

- Protect public health and welfare
- Protect wetlands, shorelines, streams, and creeks as natural surface water resources
- Achieve compliance with stormwater-related regulatory requirements, specifically the Phase II Permit.
- Actively maintain the capacity of the City's drainage infrastructure.
- Identify and solve storm drainage problems
- Provide for the comprehensive, integrated management and administration of the City's stormwater facilities and operations
- Design and construct capital projects to reduce flooding, provide protection from erosion, enhance conveyance capacity and protect habitat

At incorporation in 1993, the City inherited an extensive storm drainage infrastructure that was constructed and previously maintained by King County. In 1996, the City completed a Draft Storm Drainage Master Plan in conjunction with the City's first Comprehensive Plan. In 2005, the City published its first Storm Drainage Master Plan (CH2MHill, May 2005) that provided guidance for surface water management, including policy development and setting, along with identifying the Stormwater Capital Improvement Program (CIP) project needs. The Storm Drainage Master Plan also provided the City Public Works staff with a guide for stormwater infrastructure operation and maintenance activities.

Purpose of the Study

The purpose of this study is to identify the future needs of the City's stormwater program including documenting areas where drainage and water quality can be improved, updating the CIP project list and identifying the actions and staff demands for both the current and future regulatory requirements. This Storm Drainage Master Plan (SDMP) outlines programmatic, operational, and capital construction activities to guide the City's Stormwater Program over the next five to ten years.

Stormwater Program Considerations

The City's Stormwater Program service area is approximately ten square miles, encompassing the full City limits. The City limits include three major drainage basins – Salmon Creek, Miller Creek (including Lake Burien), and Puget Sound – as shown in Figure 2-1. The SDMP has been developed with consideration to the local and regional issues described below.

NPDES Phase II Permit

In January of 2007, the City was issued the National Pollution Discharge Elimination System (NPDES) Municipal Stormwater Phase II Western Washington General Municipal Stormwater Permit (Phase II Permit), that prompted the City to add new stormwater program elements to their SWM Program, including an Illicit Discharge Detection and Elimination (IDDE) program, stormwater system inspections, increased operation and maintenance activities, and planning for future stormwater monitoring. The permit term is set to expire in 2012 and the Washington State Department of Ecology (Ecology) intends to issue a new NPDES Phase II Permit that will impact City operations starting in 2013.

Aging Stormwater Infrastructure

At incorporation and during recent annexations, the City acquired an aging stormwater infrastructure system from King County. The stormwater system infrastructure typically has a 50-100 year design life, which the majority of the existing infrastructure has met. The City has ongoing program to replace existing pipes when roadways are under construction.

Lake Water Quality

Lake Burien and Arbor Lake are small lakes that serve important local function for recreation and as ecological amenities within the Miller Creek watershed. Local residents are concerned about lake water quality and interested in supporting City programs to maintain long term watershed health. The City's efforts focus on public outreach and education to improve practices (animal waste, fertilizer use, etc.) of the surrounding and upstream properties. The City also looks to add water quality treatment facilities when developing capital projects in the surrounding area

Miller/Walker Creek Watershed

Miller Creek flows approximately six miles through urban areas of Burien and adjacent communities. Walker Creek also runs through a similar urban area of Burien and adjacent communities for two miles. In 2006, Burien, Normandy Park, SeaTac, King County, the Port of Seattle, and the Washington State Department of Transportation worked together to develop the *Miller and Walker Creeks Basin Plan*, addressing surface water quality, flooding,

stormwater infrastructure capacity, and fish habitat issues. The City works closely with King County and the Miller/Walker Basin Steward to evaluate opportunities and projects to support and restore watershed health in the Miller/Walker Creek basin.

Closed Depressions

Burien is home to numerous closed depressions where stormwater collects without a defined outlet. Major closed depressions with localized flooding issues include Hermes Depression, Mayfair Depression and the 142nd Street Depression.

In-house vs. Contracted Operation and Maintenance Activities

One challenge the City faces as a fairly young, but largely populated City is to develop a long-term plan to conduct maintenance activities using City staff instead of contracting for these services to King County. The immediate, short term plan is for City staff to start conducting all construction and stormwater facility inspections as required by the NPDES Phase II Permit. The City will take on additional maintenance activities as equipment can be purchased and new staff can be hired.

Implementing Low Impact Development and Green Infrastructure Design

Low Impact Development (LID) is an ever increasingly important topic in the field of stormwater management. The new Phase II permit is expected to require the City to update City Codes to promote increased use of LID in development planning and infrastructure design. The use of LID drainage infrastructure can be beneficial to Burien because of the hydrology (closed depressions) that need to infiltrate runoff at the source decreasing the need for large regional stormwater facilities and localized flooding. The implementation of LID codes and techniques will require additional training and staffing to design and review development plans and public CIPs.

Potential Future Annexations

This SDMP does not evaluate the programming or infrastructure requirements that would be required to support future annexations. However, stormwater program impacts should be thoroughly evaluated during the review of any future annexations. Adding service area to the City can affect the stormwater program by adding new CIP projects, additional program area for NPDES Phase II Permit requirements, a large maintenance service area, additional aging infrastructure that will need replacement and potential additional water quality issues (new lakes/streams annexed into the City etc.). Any new annexed area will also directly increase the stormwater program budget through the addition of new rate payers, so the cost/benefit to the stormwater program would need to be thoroughly reviewed.

Stormwater Program Assessment

This SDMP includes an analysis of the City's Stormwater Program for compliance with regulatory obligations and other necessary administrative functions. The primary regulation driving the City's stormwater program is the NPDES Phase II Permit. The City is also subject to compliance with the State Underground Injection Control Rule, the Federal Endangered Species Act (ESA), and the Puget Sound Action Agenda. The City's Stormwater Program already includes many of the required legal authorities, programmatic activities, services, and maintenance actions needed for compliance. Some of these activities will need to be enhanced or expanded for full compliance with current and future regulations.

The program assessment shows an overall need for 2.1 additional Full Time Equivalent (FTE) and $180,000 annually to support the Stormwater Program. Section 3 outlines short term and long term program implementation activities, a recommended staffing plan, and budget considerations Table ES-1 provides a summary of the staffing and funding required for future Stormwater Program implementation.

Table ES-1: Summary of Existing and Future Stormwater Program Expense and FTE							
Element	Existing Staff FTE	Existing Staff Cost ($)	Existing Expense Cost ($)	Future Staff FTE	Future Staff Cost ($)	Future Expense Cost ($)	Notes
1 – Public Education and Outreach	0.10	$8,600	$10,000	0.15	$13,000	$15,000	Increased outreach and measurement of outreach results as required by NPDES.
2- Public Involvement and Participation	0.05	$7,800	$0	0.05	$5,000	$0	No change.
3 – Illicit Discharge Detection and Elimination	0.50	$43,200	$42,700	0.60	$50,000	$30,000	IDDE inspections will be combined with maintenance program.
4- Controlling Runoff from New Development, Redevelopment	0.50	$53,700	$7,700	1.30	$109,000	$25,000	Revise development code for LID. Increase staffing to review development plans for LID stormwater facilities as required by NPDES.
5 – Pollution Prevention and Operation and Maintenance for Municipal Operations	6.40	$412,900	$520,700	7.30	$608,000	$503,000	Increase frequencies as required by NPDES. Shift responsibility from outside contracts to City staff.
6 – Program Implementation	0.00	$0	$0	0.05	$4,200	$30,000	Develop written program policies as required by NPDES.
7 – Total Maximum Daily Load Allocations	N/A	N/A	N/A	N/A	N/A	N/A	No TMDLs apply to the stormwater program.
8 – Monitoring	0.00	$0	$0	0.05	$4,200	$32,500	City must pay in to regional monitoring program as required by NPDES.
9 – Reporting	0.05	$5,400	$10,000	0.05	$5,000	$5,000	No change.
10 – Regional Watershed Planning	0.05	$5,400	$76,000	0.10	$9,000	$76,000	Increased attention to WRIA activities.
11- Underground Injection Control Rule	N/A	N/A	N/A	0.00	$0	$0	No change
12 – Capital Improvement Program	0.40	$52,900	See Section 4	0.50	$50,000	See Section 4	Program variable based on project development.
13 – Additional Activities	0.70	$70,400	$284,100	1.00	$84,000	$365,000	Increase funding for equipment purchase and future maintenance facility.
Total	8.75	$660,000	$951,000	11.25	$942,000	$1,082,000	
Grand Total	**8.75**	**$1,611,000**		**11.25**	**$2,024,000**		**Operating only; See Section 4 for CIP**

Capital Needs

A major component of this SDMP is the development of an updated CIP projects list. The updated CIP presented in Section 4 includes projects that address flooding, infrastructure and water quality concerns, along with identifying long term stormwater and water quality studies. The CIP also includes Small Works Projects (SWP) and an Infrastructure Replacement Fund to upgrade aging stormwater infrastructure.

Table ES-2 presents the updated capital program. A map of the proposed project locations is included in Section 4. Additional capital projects will be identified through the watershed based studies and ongoing review of drainage complaints reported by citizens and City Staff.

Table ES-2
Summary of CIP Projects, Studies and Small Works Projects

Project Problem Area	Project Title	Cost (1)
CIP 1	Capacity Improvement at 4th Avenue SW	$552,000
CIP 2	20th Ave SW Drainage Improvements	$390,000
CIP 3	20th Ave S between S 120th Ave and S 124th St Drainage Improvements	$441,000
CIP 4	SW 165th St between 16th Ave SW and 19th Ave SW	$322,000
CIP 5	SW 135th St and 6th Ave SW Drainage Improvements	$154,000
CIP 6	SW 152nd and 8th Ave SW Drainage Improvements	$457,000
CIP 7	25th Ave SW Drainage Improvements	$799,000
CIP 8	4th Ave S/Blake Manor Neighborhood Drainage Improvements	$639,000
	CIP Total	**$3,754,000**
Study 1	Lake Burien System Retrofit	$250,000
Study 2	NERA Master Drainage Plan	$350,000
Study 3	Des Moines Memorial Drive and S 175th St Sediment Study	$100,000
Study 4	Hermes and Mayfair Depressions System Evaluation	$200,000
Study 5	142nd Street Depression Improvements	$200,000
Study 6	Arbor Lake Water Quality Lake Management Plan	$150,000
	Studies Total	**$1,200,000**

Table ES-2 Summary of CIP Projects, Studies and Small Works Projects		
Project Problem Area	Project Title	Cost (1)
Small Works Project 1	Ambaum Blvd SW/SW 120th Block Drainage Improvements	**$100,000 per year**
Small Works Project 2	Occidental Ave S Drainage Improvements	
Small Works Project 3	Eagle Landing Park/25th Ave SW Drainage Improvements	
Small Works Project 4	116th Ave SW between 1st Ave and 4th Ave SW at Church Drainage Improvements	
Infrastructure Replacement Fund	Upgrade/Replace Drainage Infrastructure associated with Roadway Improvement Projects	**$350,000 per year**

Note: The cost opinion is in 2012 dollars and does not include future escalation, financing, or O&M costs.

Watershed Enhancment Program

The City is dedicated to protecting watershed health and enhancing water quality and natural resources. In compliance with NPDES Phase II Permit requirements, the City has developed an education and outreach program focused on educating residents and business owners about their impact on the health of the watershed. Through the Watershed Enhancement Program, the City is joining efforts with local organizations and citizens to improve the health of the streams and natural habitats.

Stormwater Program Funding

Historically, the City's Stormwater Program has been funded by the City's stormwater utility and grants for specific activities and projects. The City will use the annual budgeting process to update priorities and select projects for design, construction or long term planning. The City will continue to pursue grant opportunities to enhance operations and accelerate the rate of construction for stormwater related capital projects.

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City of Burien
Storm Drainage Master Plan
Section 1: Introduction

Background

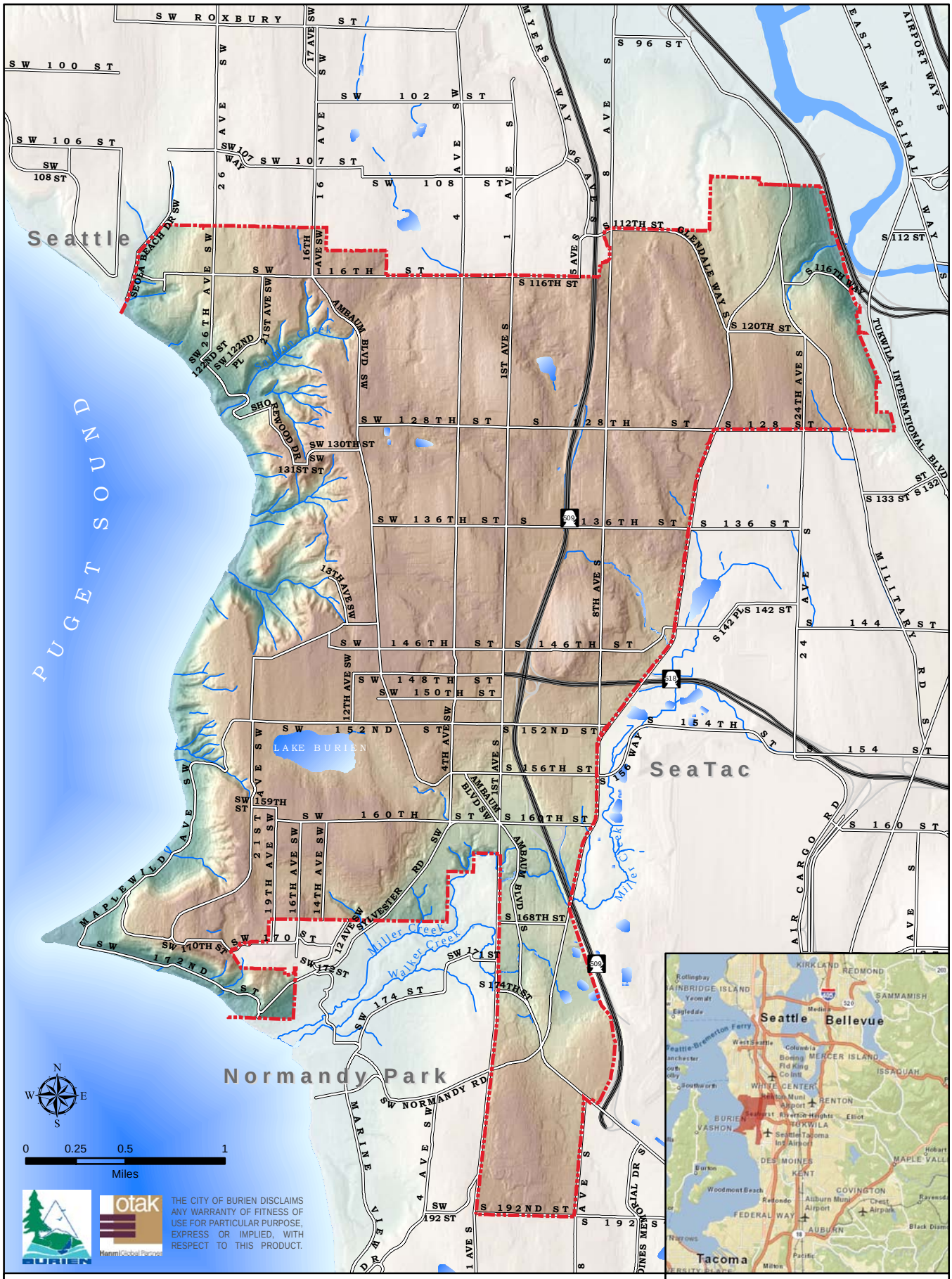
Incorporated in 1993, the City of Burien is a young, growing city faced with the challenges of meeting a myriad of local, state and federal demands on its financial and staff resources. The City's stormwater management program is currently providing stormwater education to citizens, maintaining its drainage system, reviewing new development for compliance with stormwater design standards, controlling pollution sources, constructing Capital Improvement Program (CIP) projects, and complying with requirements of the federal Clean Water Act for managing its municipal stormwater system discharges. Figure 1-1 shows the vicinity of the City of Burien.

This Storm Drainage Master Plan (SDMP) updates and replaces the previous Plan which was prepared in May 2005. The updates address the requirements of the National Pollution Discharge Elimination System (NPDES) Municipal Stormwater Phase II Western Washington General Municipal Stormwater Permit (Permit), bring the City's existing CIP program up to date, and evaluate program staffing and resources. This SDMP also includes a comprehensive review of the City's existing Stormwater Program, recommendations for future programs and capital projects, and an implementation plan for the next five to ten years.

Stormwater Program Purpose and Mission

The City's Stormwater Program is dedicated to addressing public safety, protecting properties and structures, supporting continued economic development, and protecting and preserving the natural environment and its functions. The goals of the City's Stormwater Program are to:

- Protect public health and welfare
- Protect wetlands, shorelines, streams, and creeks as natural surface water resources
- Achieve compliance with stormwater-related regulatory requirements, specifically the Phase II Permit.
- Actively maintain the capacity of the City's drainage infrastructure.
- Identify and solve storm drainage problems
- Provide for the comprehensive, integrated management and administration of the City's stormwater facilities and operations
- Design and construct capital projects to reduce flooding, provide protection from erosion, enhance conveyance capacity and protect habitat



Drainage Master Plan	Figure 1-1 Vicinity Map	May 2012

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To this end, the City's Stormwater Program routinely conducts numerous activities and services, ranging from program administration to complaint response, and includes education and outreach, development review, facility maintenance and capital improvement design and construction.

The City's Comprehensive Plan Storm Water Element (Appendix 1-1) provides the guiding policy for Stormwater Program activities in the City. The goals of the Comprehensive Plan Storm Water Element are summarized as:

- Manage stormwater runoff in such a manner as to protect steep slopes, streams, wetlands and shorelines from erosion and sedimentation;
- Preserve, protect, and restore natural habitat for salmonid species;
- Protect the quality of surface water and groundwater;
- Provide recharge of groundwater where appropriate;
- Ensure natural control mechanisms where appropriate;
- Establish design standards for drainage systems that support the character of adjacent development and the environmental protection goals of the City; and
- Minimize the risk to property and residents from flooding hazards.

This SDMP outlines an implementation plan to guide the City's Stormwater Program in achieving the goals and following the policies outlined in the Comprehensive Plan Storm Water Element.

The City's Stormwater Program addresses economic development in the following ways:

- By providing clarity during the planning process regarding the City of Burien's stormwater standards, and the developer or business contributions towards stormwater infrastructure.
- By providing clear and straightforward recommendations as to the priority investments in the City's stormwater infrastructure over the next ten years.

Stormwater Program History

At incorporation, the City inherited an extensive storm drainage infrastructure that was constructed and previously maintained by King County. In 1996, the City completed a Draft Storm Drainage Master Plan in conjunction with the City's first Comprehensive Plan. In 2005, the City published its first Storm Drainage Master Plan (CH2MHill, May 2005) that provided guidance for surface water management, including policy development and setting, along with identifying the Stormwater CIP project needs. The Storm Drainage Master Plan also provided the City Public Works staff with a guide for stormwater infrastructure operation and maintenance activities.

In January of 2007, the City was issued an NPDES Permit that prompted the City to add new elements to the Stormwater Program, including an Illicit Discharge Detection and Elimination (IDDE) program, stormwater system inspections, increased operation and maintenance activities, and planning for future stormwater monitoring.

The City's Surface Water Utility (Utility) was formed in 2008 by Ordinance 489 and is currently administered by the Public Works Department. The Utility was established to pay for stormwater management activities, including but not limited to basin planning, stormwater system operations, maintenance, construction of facilities, regulatory compliance and water quality. The Utility collects approximately $2.4M per year. In 2011, $1.6M was slated for program services and $830K was transferred out of the operating fund to pay for stormwater-related capital projects.

Organization and Staffing

The City's Stormwater Program is under the direction of the Public Works Director, who supervises a Stormwater Engineer, Engineering Technician, the Maintenance Manager and the several Maintenance workers. Portions of each person's salary are covered by the stormwater program budget. The City's maintenance staff shares responsibility to maintain the stormwater system, roadways, and other City infrastructure.

Existing Infrastructure

In order to manage runoff from urban area, the City owns and operates over 112 miles of stormwater conveyance infrastructure, approximately 32 miles of drainage ditches, 15 water quality/detention ponds, and 42 other stormwater facilities (includes oil water separators, water quality vaults, water quality filters). Private owners are responsible for over 60 miles of conveyance line and over 150 stormwater facilities. The majority of the public infrastructure was installed by King County prior to the City's incorporation (1993). The City retains an ongoing relationship with King County to conduct many stormwater related maintenance activities. As part of this SDMP, the contract services have been evaluated to identify services that can be combined or modified to realize cost savings for the City's stormwater program.

Overview of the Stormwater Management Planning Process

This SDMP update was initiated by the City in May 2011, with work continuing through June 2012. The intent of the project is to update the list, priorities, and costs of the City's Stormwater Program. The SDMP includes:

- Summary of the physical drainage and drainage-related characteristics of the City (Section 2)
- Review and assessment of the City's current Stormwater Management Program in comparison to regulatory requirements, including maintenance program responsibilities. Assessment of staffing and revenue needs to comply with regulatory requirements (Section 3)
- Document existing storm drainage problem areas and development of stormwater CIP program, including program costs and 10-year implementation plan (Section 4)
- Outline of the City's Watershed Enhancement Program to provide water quality related outreach and educational opportunities (Section 5)
- Estimation of future revenue needs and a financial plan to ensure adequate resources for implementation (Section 6)

The City intends to use the SDMP as a guide in implementing the Stormwater Program over the next five to ten years.

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Service Area

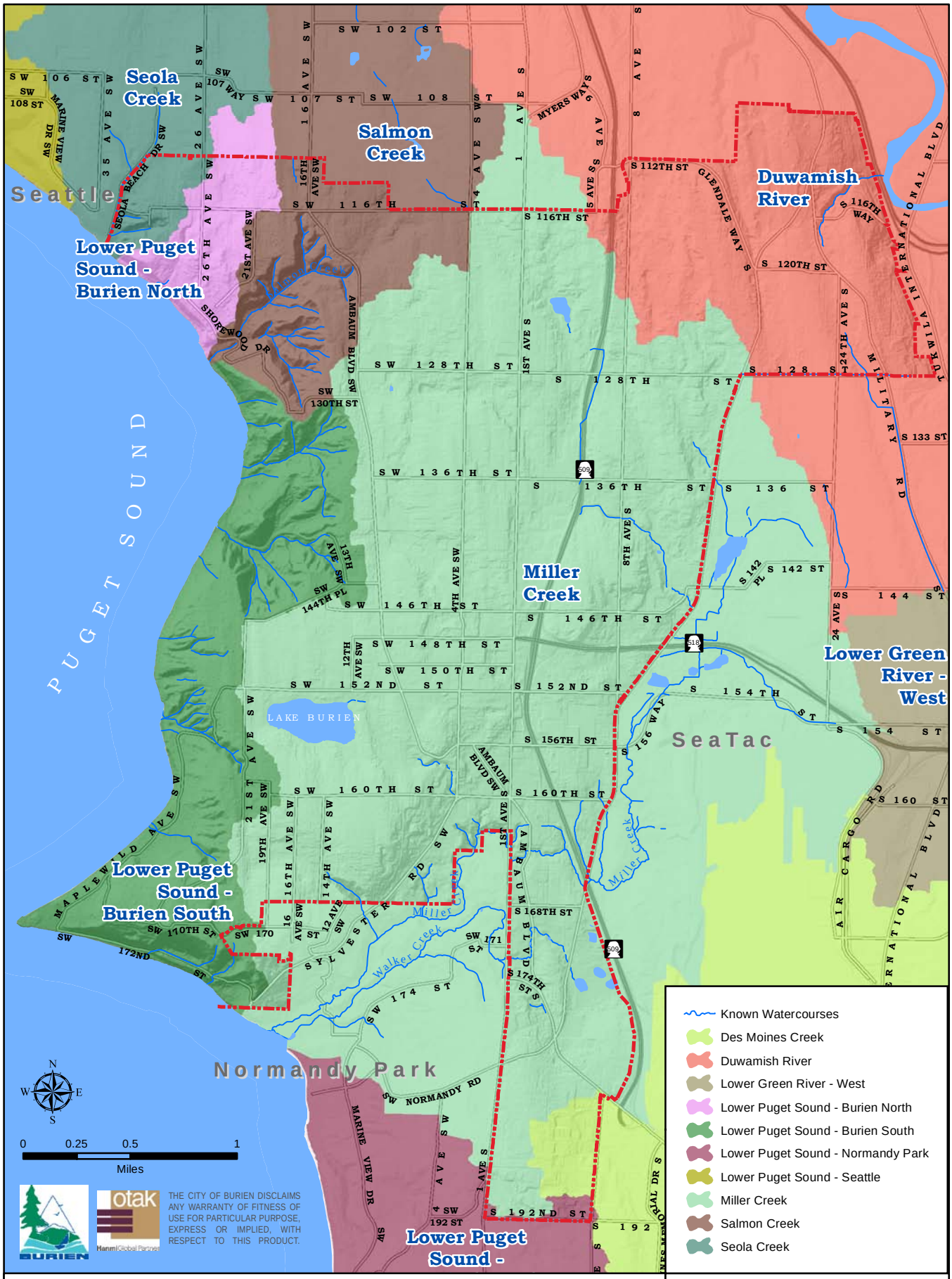
The City's Stormwater Program service area (the City limits) is approximately ten square miles. The City used an extensive Geographic Information System (GIS)-based stormwater inventory to visually track 112 miles of pipe, 32 miles of swales and conveyance channels and nearly 6,000 publically maintained catch basins and other stormwater structures. The City also maintains 15 public water quality/detention ponds and 42 other stormwater facilities (includes oil water separators, water quality vaults, water quality filters). An overview map of the City's drainage system is included in Section 4. The City maintains a map book of the drainage infrastructure throughout the City limits. The map book can be viewed on the City's website.

Drainage Basins

The City limits include three major drainage basins – Salmon Creek, Miller Creek (including Lake Burien), and Puget Sound. There are five subbasins within the Salmon Creek drainage basin; 23 subbasins within the Miller Creek basin; and eight subbasins within the Puget Sound drainage basin. Small areas of the City also drain to the Duwamish River, Seola Creek, and Des Moines creek as shown on Figure 2-1 and Table 2-1.

Table 2-1
Drainage Basin Areas Within City Limits

Drainage Basin ID	Area (Acres)
Miller Creek	3,638
Lower Puget Sound – South	1004
Duwamish River	856
Salmon Creek	473
Lower Puget Sound – North	198
Seola Creek	90
Des Moines Creek	79



Drainage Master Plan

Figure 2-1 Major Drainage Basin Map

May 2012

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Adjacent and Downstream Drainages

Figure 2-1 shows a significant number of flows that originate outside the City and drain into the City limits. Flows from the north include Seola Creek, Salmon Creek (primarily Lake Hicks and the neighboring subbasin), and Miller Creek through a tributary that drains to and is pumped from the Hermes Depression to Miller Creek. Flows from the east primarily originate from the City of SeaTac. Small portions of southern Burien flow out of the City into Normandy Park and Des Moines Creek drainage basins. Remaining flows from the City originate in the bluffs on the west side of the City and empty into Puget Sound.

Hydrologic Characteristics

The hydrologic characteristics of the City are determined by climate, geology topography, geology, and land use. Streams, lakes, wetlands, steep slopes and floodplains manage and direct natural runoff flows through detention, treatment, and infiltration. As development occurs, these natural drainages are modified, often changing the performance and function of these natural drainage facilities and redirecting flows from one basin or watershed into another.

Climate

The City is part of the Puget Sound geographic region, which experiences a marine climate characteristic of the West Coast region. Average annual precipitation in this area is approximately 38.1 inches with the rainy season beginning in October and continuing through March, often extending into June.

The 2009 King County Surface Water Design Manual includes design storms for estimating stormwater runoff during storm events. The design storms for the City of Burien are:

- 2-year, 24-hour: 2.1 inches
- 10-year, 24-hour: 3.0 inches
- 25-year, 24-hour: 3.45 inches
- 100-year, 24-hour: 4.3 inches

During the development of this plan, the City experienced several rainfall events that resulted in numerous drainage complaints. While these events were not significant in overall rainfall, they did result in localized flooding and the drainage problem areas were identified and included in the Section 4 analysis.

Topography

Topography defines the drainage basins and has an effect on the direction and velocity of surface water flow and drainage paths. Over 1.2 million years ago the City's landform and topography was formed by repeated advancement and retreat of glaciers. The City's topography is made up of numerous depressions formed by glaciations marks. The western

side of the City includes steep coastal bluffs. There are numerous streams and storm drains that drain generally from east to west to the coastal bluffs of the Puget Sound.

Geology

Figure 2-2 shows the geology within the City limits. Mapping of surfical geology by Waldron indicates that the natural geologic landforms in the Burien area generally consist of recessional outwash, glacial till, and advance outwash.

Critical Areas (Sensitive Areas, Steep Slopes, Wetlands, Floodplains)

The City has classified its critical areas by stream buffers, landslide area, seismic hazard area, wetlands, aquifer recharge area, wetland buffers, and flood plains. Figure 2-3 shows the mapped sensitive and critical areas in the City.

Land Use

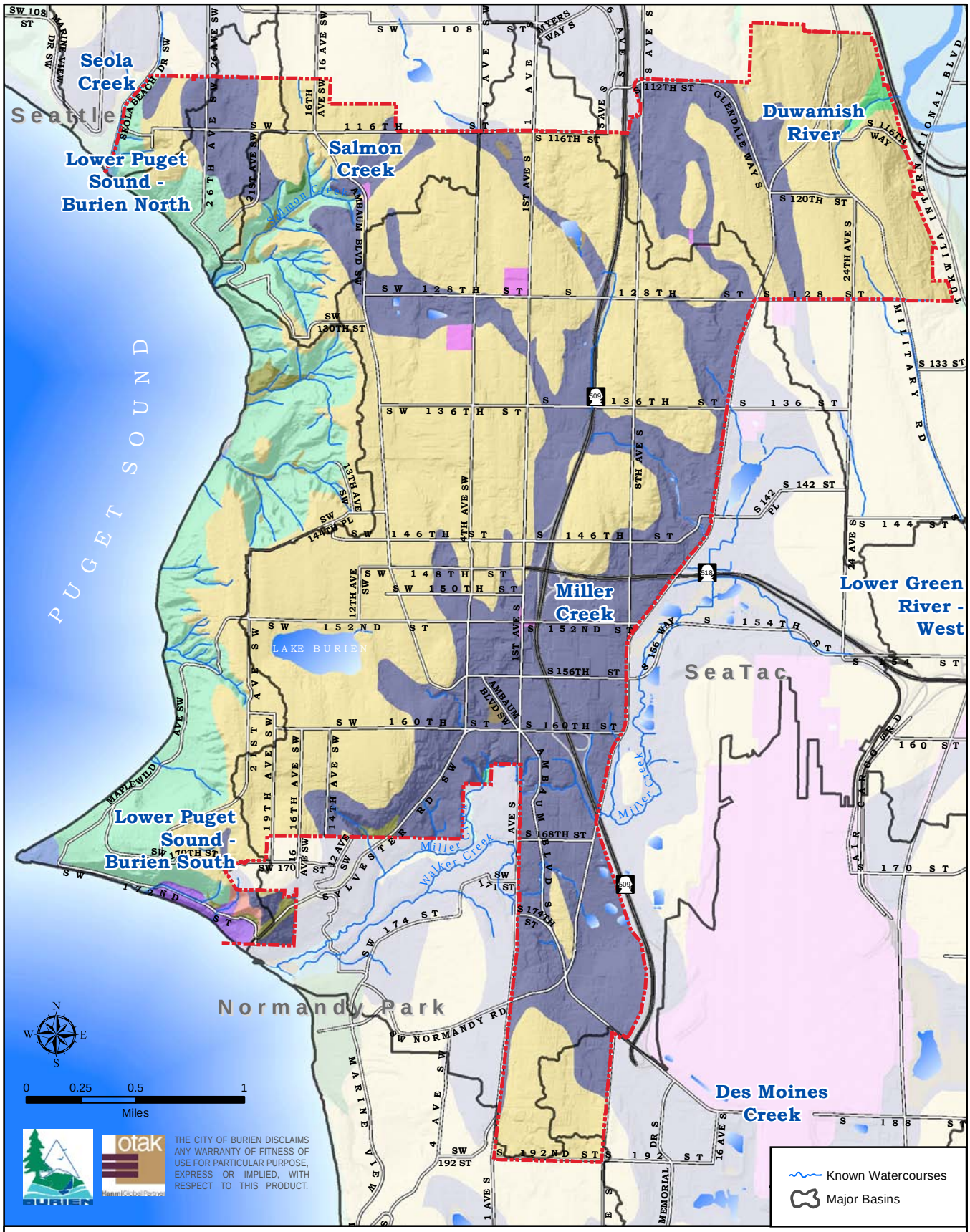
Most of the City of Burien has already been developed. Undeveloped land is generally in park areas and along steep coastal bluffs on the west side of the City. Developed areas in the City are primarily residential. Commercial areas are located along the Ambaum Boulevard SW Corridor, 1st Avenue South corridor, and an area centered around City Hall. A small industrial area is located in the southeast portion of the City.

The City, in partnership with the Port of Seattle, has completed its Redevelopment Plan and Implementation Strategy for the 135-acre Northeast Redevelopment Area (NERA), located between 8th Avenue South, Des Moines Memorial Drive, and South 138th Street. The goal of the plan is to transform the NERA from a mixture of vacant, residential, public and small commercial land uses to uses compatible with Sea-Tac International Airport operations and existing and planned surrounding land uses.

In 2010, the City annexed approximately 2.6 square miles (14,000 residents) from King County in the North Highline area. At the time of this SDMP, the City was in the process of evaluating annexation of a second area in North Highline that would add approximately 3.2 square miles (17,000 residents) to the City limits. This plan does not evaluate the programming or infrastructure requirements that would be required to support such a future annexation.

Study Area Considerations

The following study area considerations are primary drivers for this plan. The programs, projects, and future studies to address issues related to water quality and closed depressions are included in Sections 3, 4, and 5 of this SDMP.



Advance outwash deposits
Beach deposits (Holocene)
Ice-contact deposits
Intrusive rocks (Miocene, Oligocene, and Eocene)
Mass-wastage deposits (Holocene and Pleistocene)
Modified land (Holocene)
Recessional outwash deposits
Renton Formation (late and middle Eocene)
Sedimentary deposits of pre-Fraser glaciation age (Pleistocene)
Surficial deposits, undivided (Holocene and Pleistocene)
Till
Transitional beds (Pleistocene)
Tukwila Formation (late and middle Eocene)
Vashon Drift, undivided
Wetland deposits (Holocene)
Younger alluvium (Holocene)

Drainage Master Plan	**Figure 2-2 Major Drainage Basins w/ Geology Map**	**May 2012**

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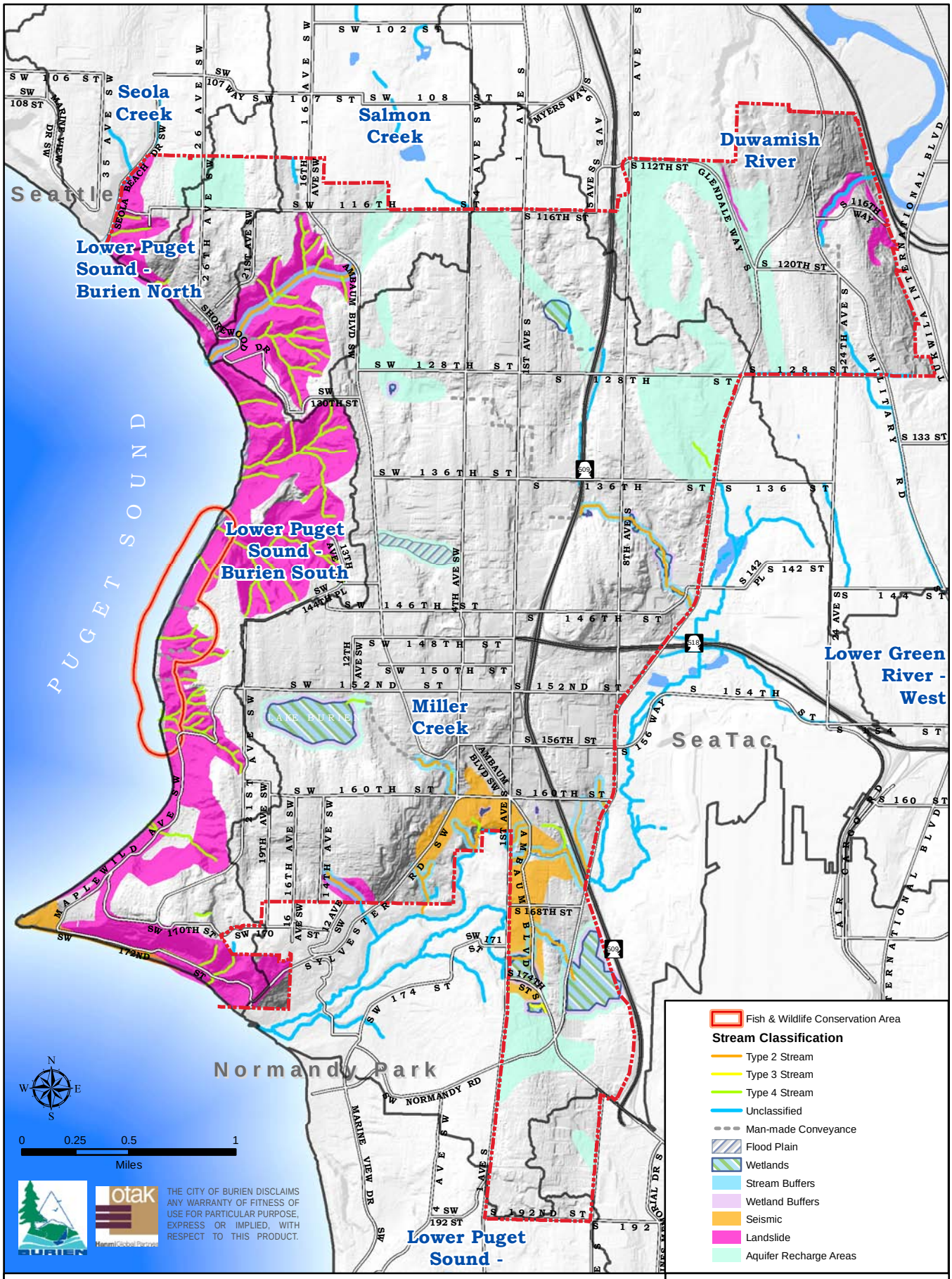

Drainage Master Plan

Figure 2-3 Sensitive/Critical Areas Map

May 2012

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Lake Burien Water Quality

Lake Burien is a small lake and a designated shoreline area located in central Burien that eventually drains to Miller Creek. Volunteer monitoring of Lake Burien coordinated through King County occurred in 1994, 1998, and 2000-2004. Unofficial monitoring activities coordinated by private residents have continued beyond the King County effort with data supplied to the City's Shoreline Master Plan process.

The trophic state index data collected through King County was used to classify Lake Burien as low to moderate in primary productivity (oligotrophic – mesotrophic) with very good water quality that was steady over the time period in which data was collected. However, local residents are concerned about the water quality of Lake Burien and interested in supporting City programs to maintain long term watershed health. Lake Burien does not have public access, so the City has limited direct influence on lake management or water quality. Instead, the City focuses efforts on public outreach and education to improve practices (animal waste, fertilizer use, etc.) of the surrounding and upstream properties. The City also looks to add water quality treatment facilities when developing capital projects in the surrounding area. See Sections 4 and 5 for additional information about the City's capital programs and Watershed Enhancement activities related to Lake Burien.

Arbor Lake Water Quality

Arbor Lake is another small lake located in north Burien with reported algae bloom problems. Arbor Lake is the headwaters to Miller Creek. While the lake is not accessible to anadromous fish such as salmon, the lake supports numerous other fish and birds species. The Lake is supported by neighborhood volunteers who often join together with Burien Park, Recreational and Cultural Services to remove invasive species around the Lake, thereby boosting habitat for native species. As with Lake Burien, providing public education and outreach regarding the water quality issues with Arbor Lake will help the long term health of the Lake.

Miller/Walker Creek Watershed

Miller Creek flows approximately six miles through urban areas of Burien and adjacent communities. Walker Creek also runs through a similar urban area of Burien and adjacent communities for two miles. There are multiple jurisdictions that drain to these two creeks including Burien, Normandy Park, SeaTac, King County, the Port of Seattle, and the Washington State Department of Transportation. In 2006, King County published the Miller and Walker Creeks Basin Plan, addressing surface water quality, flooding, stormwater infrastructure capacity, and fish habitat issues. While the plan was developed as a joint effort between the surrounding cities and King County, authorization and funding for capital projects is the responsibility of individual jurisdictions or through separate interlocal agreements.

The Miller/Walker Creek Watershed benefits from mitigation measures constructed as part of SeaTac Airport's 3rd Runway Project. The watershed also encompasses the NERA and stormwater management and mitigation projects are a key aspect of future development in the NERA. Section 4 includes projects to support and restore watershed health in the Miller/Walker Creek basin.

Closed Depressions

Burien is home to numerous closed depressions where stormwater collects without a defined outlet. Major closed depressions include Hermes Depression, Mayfair Depression and the 142nd Street Depression. There are no stormwater outlets from these three depressions, which causes reoccurring localized flooding issues. Each of these depressions need a long term master plan to address the connectivity between depressions and to identify facility upgrades or retrofits to improve drainage capacity and water quality. Basin studies to address challenges with the closed depressions are included in Section 4.

City of Burien
Storm Drainage Master Plan
Section 3: Stormwater Program Analysis

This Section provides an analysis of the City's Stormwater Program for compliance with regulatory obligations and other necessary administrative functions. The primary regulation driving the City's stormwater program is the NPDES Phase II Permit. The City is also subject to compliance with the State Underground Injection Control Rule, the Federal Endangered Species Act, and the Puget Sound Action Agenda. The City's Stormwater Program already includes many of the required legal authorities, programmatic activities, services, and maintenance actions needed for compliance. Some of these activities will need to be enhanced or expanded for full compliance with current and future regulations.

Analysis Structure

The analysis includes an overview of the City's regulatory obligations, including milestone dates, current activities, and future activities needed for compliance, along with a summary of the current organization, staffing and the stormwater utility budget. The program analysis evaluates both existing (as of 2011) and future required activities, staffing, and resources. The analysis is structured according to the following sections:

- NPDES Phase II Permit
    - Public Education and Outreach (Special Condition S5.C.1)
    - Public Involvement and Participation (Special Condition S5.C.2)
    - Illicit Discharge Detection and Elimination (Special Condition(S5.C.3)
    - Controlling Runoff from New Development, Redevelopment, and Construction Sites (Special Condition S5.C.4)
    - Pollution Prevention and Operation and Maintenance for Municipal Operations (Special Condition S5.C.5)
    - Total Maximum Daily Load Requirements (Special Condition S7)
    - Monitoring (Special Condition S8)
    - Reporting (Special Condition S9)
- Regional Stormwater Planning (ESA, WRIA, and Puget Sound Action Agenda)
- Underground Injection Control Rule
- Capital Improvement Program
- Additional Activities

A summary of existing and future required activities for each program element is presented below. The detailed results of this regulatory gap analysis are presented in Appendix 3-2. The results of the program analysis, including a summary of existing and future staffing and program expenses are summarized in Table 3-1 at the end of this section.

NPDES Phase II Municipal Stormwater Permit

The City of Burien has been identified by Ecology as a NPDES Phase II community. All Phase II communities are expected to develop a stormwater program that includes the required activities, implement those activities within the required timeframes over the permit term, and submit annual reports to Ecology to document progress toward complete program implementation. The requirements of the Phase II Permit apply throughout the entire incorporated area of the City. The City has been implementing the requirements of its NPDES Phase II Permit over the past several years. Documentation of the City's compliance activities is summarized in 2007- 2011 Annual Reports, which are available at City Hall for review.

The analysis in this section is based on the Draft NPDES Phase II Permit published by Ecology in October 2011. The permit requirements are subject to change prior to final issuance in August 2012.

Permit Timeline

The current Phase II Permit became effective February 16, 2007 and was modified on June 17, 2009. The permit covered a five-year period that was set to expire on February 15, 2012. On October 19, 2011, Ecology released the new Draft Phase II Municipal Stormwater Permit for public comment. In 2012, Ecology expects to issue both an extension to the current permit and a new Phase II Permit with a new effective date of August 2013. See Figure 3-1 for the proposed permit re-issuance schedule.

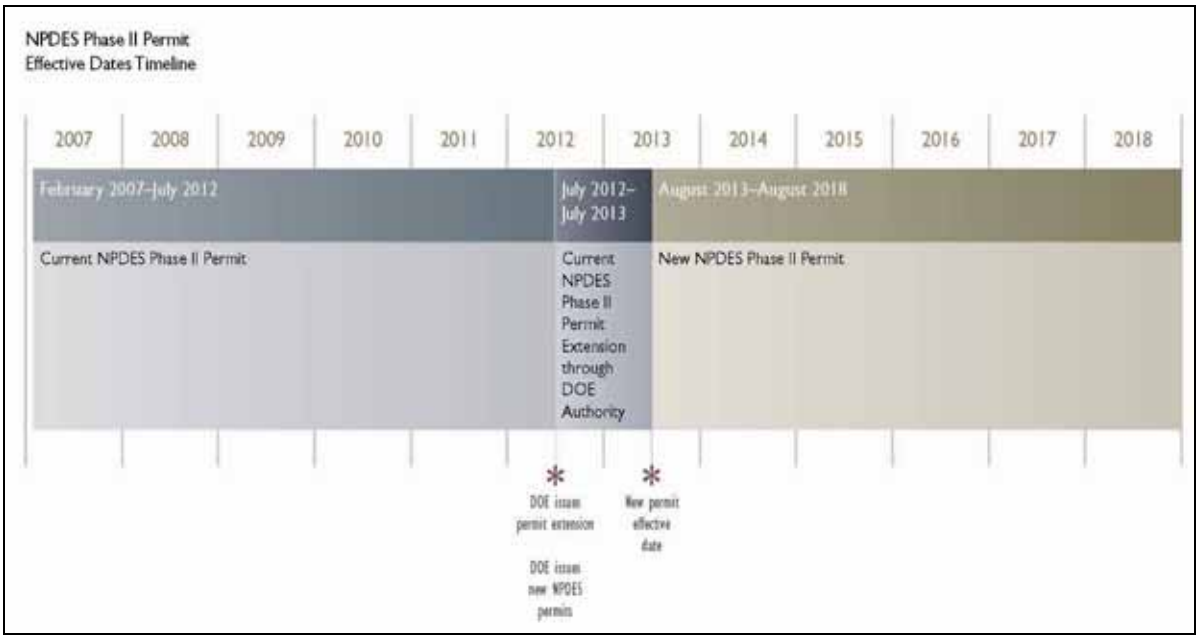


Figure 3-1: NPDES Phase II Permit Effective Dates Timeline

The general permit requirements are expected to remain the same with the issuance of the new permit, with some exceptions and some additions. A summary of the changes can be found in Appendix 3-1. See Figure 3-2 for the Phase II Permit proposed due dates.

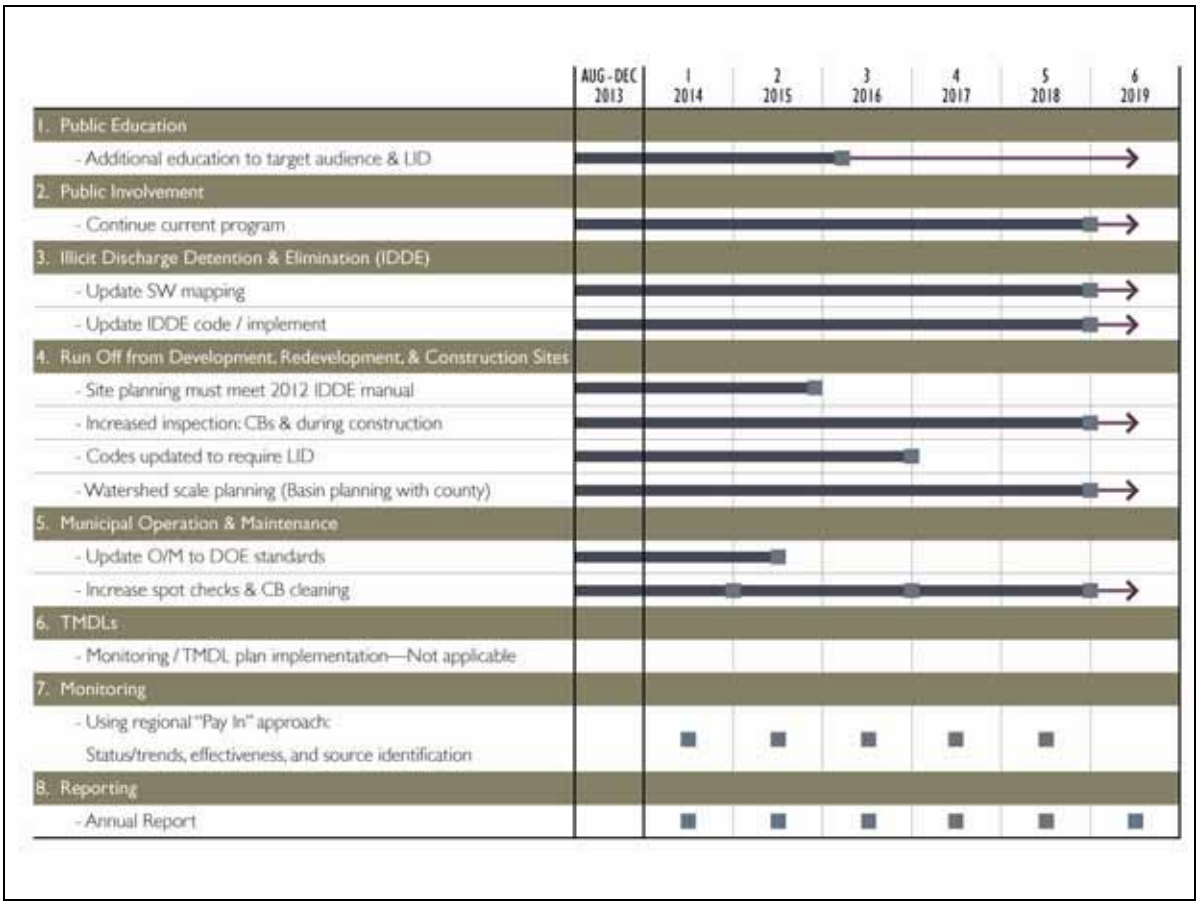


Figure 3-2: Proposed NPDES Phase II Permit Requirements and Milestones

Public Education and Outreach (S5.C.1)

The City has an active public education and outreach program. Recent activities include:

- Partnering with the Environmental Science Center to measure public education effectiveness
- Storm drain stenciling program
- Participating in the Miller/Walker Creek Basin Stewardship program
- Erosion and Sediment Control brochures available for small construction sites

- 99Conducted natural lawn care workshops through the Environmental Science Center
- Distributing Low Impact Development (LID) information to developers during pre-application meetings with City Staff.
- Posting natural yard care information, as available on the City's website
- Publishing educational information in the City newsletter and on the City website,
- Publicizing and distributing car wash kits for charity groups
- Active participation in the STORM group (the Regional NPDES Education and Outreach Forum) and the *Puget Sound Starts Here* campaign

Natural Yard Care Workshop

As part of the upcoming new Phase II Permit the City will be required to focus the education and outreach efforts on prioritized target audiences, including the business community, property owners/managers, and school aged children. The City is required to evaluate the effectiveness of the outreach program by 2016. Section 5 of this plan includes a detailed summary of the City's planned Watershed Enhancement Program, which is designed to address the Public Education Requirement of the Phase II Permit.

Program Implementation

These increased efforts will require some additional staff time and additional funding beyond current levels starting in 2013.

Public Involvement and Participation (S5.C.2)

As required, the City posts the most current Annual Report to Ecology and the Stormwater Management Program update on its website. In the summer of 2011, as part of the development of the SDMP, the City conducted a stormwater survey to request information about known stormwater problems. The City formed an Advisory Committee to participate in the development and review of this SDMP. As part of the upcoming new Phase II Permit the City will need to ensure the Annual Report and Stormwater Management Program documents are posted on their website by May 31 each year. The City must continue to provide opportunities for public involvement and participation in the stormwater program.

Program Implementation

No changes to staffing or funding are required.

Illicit Discharge Detection and Elimination (S5.C.3)

The City has adopted an ordinance to address Illicit Connections and Illicit Discharge Detection and Elimination (Burien Municipal Code (BMC) Chapter 13). The ordinance

includes a list of allowable and prohibited discharges to the City's drainage system and streams. The ordinance includes escalating enforcement procedures and actions. The Code Enforcement group is responsible for all IDDE Code Enforcement activities.

Over the last few years, the City has spent considerable effort establishing a comprehensive inventory of the stormwater infrastructure. All stormwater system data is available in GIS format and is maintained by the City's GIS and IT Department. The GIS Stormwater Map is available on the City's website and upon request from the public.

The City has established a general IDDE Program to implement the Phase II Permit Requirements. Current activities include:

- Contracting with King County to conduct a "Water Quality Audit" program that performs visits to commercial businesses to provide education on illicit discharge. Follow-up enforcement is the responsibility of the City's Code Enforcement Officer.
- Performing visual inspections of priority receiving waters (Miller Creek, Walker Creek, and Salmon Creek) with technical assistance from King County and Ecology.
- Establishing a hotline[1] for citizens to report spills and illicit discharges.
- Contracting with King County to respond to major spills.
- Maintaining records of the IDDE program in CityWorks (public works asset management software).
- Holding IDDE training for all field staff, including follow-up training as staff comes on board or new policies/procedures are put into place.

Program Implementation

To address ongoing NPDES Phase II Permit requirements, the City will need to establish a written IDDE Plan and Procedures Manual and identify primary staff responsible for overseeing inspections and follow-up activities. The procedures manual should be developed, taking into account the IDDE program requirements in the new permit. The new Permit will also require the City to expand IDDE inspections in 2013 to cover all catch basins on a rotating basis. With proper staff training, the IDDE inspections can be conducted jointly with required maintenance inspections, saving both staff resources and program cost.

TV Inspection of Pipe Systems

[1] IDDE Hotline: (206) 439-3154

Controlling Runoff from New Development, Redevelopment, and Construction Sites (S5.C.4)

The City's oversight of development is codified in BMC Chapter 13. The City has adopted the 2009 King County Surface Water Design Manual (KCSWDM) with no exemptions to guide stormwater management from new development and redevelopment projects. The ordinance allows non-structural preventive actions and source reduction approaches, such as LID techniques, to minimize the creation of impervious surface and the disturbance of native soils and vegetation.

The City's Stormwater Engineer works with the Community Development Department to conduct a drainage review of all proposed development and redevelopment projects and to conduct required site inspections during and post construction. The City tracks all development reviews and inspections in CityWorks.

The new NPDES Phase II Permit requirements will place an increased emphasis on the evaluation and use of LID techniques to manage stormwater runoff and water quality. All codes, rules, standards and other enforceable documents must be revised to require LID principles and LID Best Management Practices (BMPs). The City must conduct an LID review and revision process of their existing codes and report the results to Ecology. These code revisions will apply to both the stormwater ordinance and the City's overall development code. LID amendments must include measures to minimize impervious surfaces, measures to minimize loss of native vegetation, and measures to minimize stormwater runoff.

Program Implementation

These new Permit requirements will mean increasing workload for the City's Stormwater Engineer under the new NPDES Phase II Permit. Initially, the work will need to focus on the required code revisions to incorporate LID principals. As the economy recovers, drainage review for development and redevelopment will likely expand to a full-time staff position. Currently, the City has elected to not reimburse the Stormwater Program with development fees that could potentially help cover the costs of an additional staff person. The new Permit will also require additional staff training on LID and requirements in the 2012 Ecology Manual.

The stormwater program will need to partner with Community Development to complete the required development code review and update to remove barriers to the use of LID in the City. Through that process, the City can evaluate whether LID techniques will be required, encouraged, or incentivized during the site planning phase. Utilizing LID techniques in stormwater management is already required through the 2009 KCSWDM.

The City should also consider evaluating the water quality treatment standards for incorporated areas. The 2009 KCSWDM designates all unincorporated areas as either Basic Treatment or Sensitive Lake Water Quality Treatment areas. The City has not established equivalent designations within the City limits and should consider whether the more stringent Sensitive Lake Water Quality Treatment standard should be applied to areas surrounding local waterbodies.

Pollution Prevention and Operation and Maintenance for Municipal Operations (S5.C.5)

Contracted Maintenance Services

Local Burien Roadside Drainage Ditch

The City currently contracts most major maintenance activities to King County. The City does not yet own a street sweeper, vactor truck, or other stormwater system maintenance equipment. The City's limited fleet of maintenance vehicles is housed at the City's Public Works Maintenance Shop (rental facility). The City has a long-term vision to purchase property for the construction of a permanent maintenance shop, equipment yard, and storage area. Establishing a maintenance facility and purchasing equipment are two major steps in allowing the City to staff their own maintenance program and move away from contracts with King County.

Inspections

The City has been contracting with King County to perform required inspections of water quality and flow control facilities on an annual basis. The City also inspects catch basins on a rotating basis with a plan to have all catch basin inspected once before the current Phase II Permit ends. At the end of 2011, the City had completed inspections of all 5,900+ catch basins within the City limits, cleaning those that exceeded sediment accumulation standards. The new permit is expected to increase catch basin inspection frequency from once in the 5-year permit term to once every other year. Stormwater facilities will still require annual inspections.

The short term plan is for City staff to start conducting all construction and stormwater facility inspections as required by the NPDES Phase II Permit. The City will take on additional maintenance activities as equipment can be purchased and new staff can be hired.

Stormwater System Maintenance

The City's Stormwater Program includes an annual stormwater facilities maintenance program. This program includes maintaining the proper function of stormwater facilities through cleaning, mowing, inspection and repair/replacement activities. The NPDES Permit

requires the City to take corrective maintenance action based on the state of each catch basin or stormwater facility during maintenance inspections. While maintenance standards are not changing in the new NPDES Permit, the increased inspection frequency is likely to identify more areas that need maintenance attention. The capital program evaluation (Chapter 4) also identified a list of drainage concerns that were referred for additional maintenance.

The City also contracts with King County Street to conduct street sweeping to reduce particulate and pollutant loading to the conveyance system and local receiving waters. Public streets are swept twice per year with downtown streets and arterials swept at a higher frequency.

Complaint Response

The City's Stormwater Program is responsible for receiving and responding to public complaints. Drainage complaints are documented and responded to using maintenance referrals or Customer Service Request Forms, as submitted by citizens at City Hall or through complaints received on the phone. Depending on the nature and magnitude of the problem, City staff addresses it internally or brings in assistance from outside agencies or contractors.

Response to water quality complaints and spill reports will become part of the City's Illicit Discharge and Elimination program that is required by the Phase II Permit.

Minor Surface Water Improvements

Maintenance crews actively investigate and address minor stormwater issues such as isolated flooding or erosion, and conducts repairs. Most of these repairs are made in the field and are routinely conducted by maintenance crews. Small works projects have been identified and included in Section 4.

Pollution Prevention

The City is implementing practices to reduce stormwater impacts associated with runoff from streets, parking lots and roads maintained by the City including pipe and culvert cleaning, ditch and roadside areas maintenance including vegetation management, street sweeping and cleaning, and street repair and resurfacing per the requirement of the King County Road Standards. The City also conducts snow and ice control, with priority removal focused on arterial streets and residential streets addressed on an emergency basis and uses techniques to help prevent impacts to the local waterways.

The City has an Integrated Pest Management Brochure and uses pollution prevention techniques during sediment and erosion control, landscape maintenance and vegetation disposal, street repair/resurfacing and trash management (through a franchise agreement).

The City is not conducting building exterior cleaning and maintenance. The City is also implementing a Stormwater Pollution Prevention Plan for the public works storage area.

Recordkeeping

The City uses CityWorks to track operations and maintenance activities.

Program Implementation

The City will need to continue all current maintenance program activities. Maintenance crews will take on the additional responsibility of conducting all facility and catch basin inspections, combining the required maintenance inspection and IDDE inspection into a single site visit. This will require additional staff time to complete approximately 3,000 catch basin inspections annually, but will reduce the expense of contracting those services to King County. Inspection staff will need additional training to understand the inspection requirements and all maintenance staff should receive ongoing training to understand stormwater facility maintenance standards, illicit discharge reporting, pollution prevention techniques, and the importance of recordkeeping.

The increased inspection requirements also come with an added recordkeeping burden. The City needs an efficient system to translate inspection records into maintenance work orders and a system to track that maintenance actions have been completed. The City may also consider integrating tracking of maintenance activities with the existing GIS system. The NPDES Permit will allow the City to reduce the required inspection frequencies if inspection records show that portions of the system do not need frequent attention. The City's efforts in developing comprehensive maintenance records may pay off with reduced inspection requirements in the future.

Total Maximum Daily Load Allocations (S7)

There are no applicable Total Maximum Daily Load (TMDL) water bodies in Burien, in either the current or upcoming Phase II Permit.

Program Implementation

No change to the existing staffing or program funding.

Monitoring (S8)

The City has submitted all monitoring documents required under the current Phase II Permit including the required monitoring site selection documents to Ecology that identify potential locations for regional monitoring activities. The new NPDES Phase II Permit gives the City the option of conducting their own monitoring program or paying in to a collective fund that Ecology will use to conduct regional monitoring activities. Phase I Permittees are spending hundreds of thousands of dollars annually to conduct their own monitoring

programs under the existing Phase I Permit. The draft Permit identified that Burien's cost to pay into the regional monitoring program will be approximately $32,000 per year.

Program Implementation

The City should budget to participate in the regional monitoring program at an annual cost of approximately $32,000 per year. In addition to the significant cost savings over conducting an individual monitoring program, the pay-in program shifts liability and responsibility away from the City and to Ecology for meeting the monitoring obligations of the Phase II Permit.

Annual Reporting (S9)

The City completed their Annual Report and Stormwater Management Program (SWMP) documents each year and submitted the two documents to Ecology annually in March. As part of the upcoming new NPDES Phase II Permit the City will continue to submit annual reports to Ecology.

Program Implementation

No change to the existing staffing or program funding.

Regional Watershed Planning

Endangered Species Act and Water Resources Inventory Area Planning

In 1999, the federal government listed the Puget Sound Chinook salmon and bull trout as threatened in the Puget Sound Region. Steelhead trout are also protected under the same regulations as threatened Pacific salmonids. In the Puget Sound region, a coalition of local governments has created a Regional Forum system to coordinate protection and restoration efforts on a watershed basis. The Regional Forum is organized by Water Resource Inventory Area (WRIA), consistent with the watershed identification system used by Ecology and other state resource agencies.

Miller and Walker Creek Watersheds
(Source: King County)

The City is part of WRIA #9 in the Green/Duwamish and Central Puget Sound Watershed. As part of WRIA #9 planning and the Miller/Walker Creek Stewardship Program, the City has conducted the following activities to work toward a healthy basin:

- Adult salmon monitoring
- A volunteer program conducting stream restoration projects including planting trees and controlling invasive weeds
- Public education presentations.
- Basin planning
- IDDE program and water quality investigations
- Development standards to help improve the health of these two creeks.

In May of 2006 King County published a reported titled "Prioritization of Marine Shorelines of WRIA #9 for Juvenile Salmonid Habitat Protection and Restoration". This report identified Puget Sound shoreline habitat in southern King County that should be preserved or restored to help salmon, including prioritizing nearshore habitat in Burien that provides important habitat for young salmon after they have left the freshwater streams where they hatched and reared.

Between 1998 and 2009 the Green/Duwamish and Central Puget Sound Watershed Ecosystem Form compromised of 16 cities, including Burien, made recommendations to the King Conservation District on watershed protection, restoration and salmon conservation projects to be funded leveraging King Conservation District to secure matching grants. Projects completed include:

- The King County Miller Creek Basin Plan that outlined an inter-jurisdictional plan for stormwater management, water quality protection and habitat improvements in the watershed
- City of Burien: Seahurst Park Monitoring 2007 to determine the success of a 2005 bulkhead and shoreline restoration project for adaptive management
- City of Burien Walker Creek Headwaters Purchase that acquired 21 acres of wetlands to protect them from development
- City of Burien Seahurst Park Nearshore Restoration that identified fish use and other habitat elements before construction of site restoration projects to understand success of such restoration projects

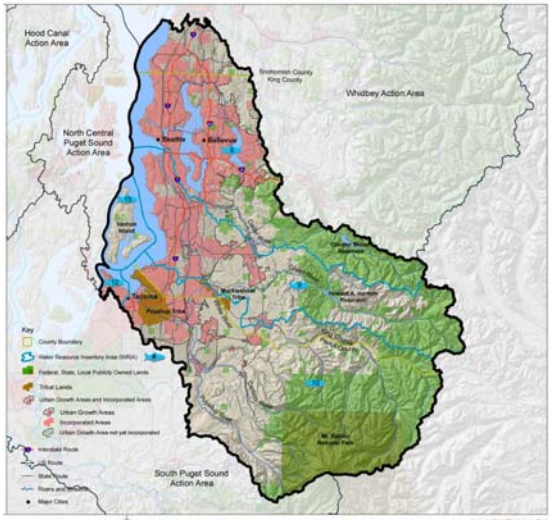
Puget Sound Action Agenda

In April, 2007, the Washington State Legislature passed legislation creating the Puget Sound Partnership (Partnership) to coordinate and lead the effort to restore and protect Puget Sound. (The Puget Sound Partnership replaced the former Puget Sound Action Team.) The Partnership's charge is to define a strategic action agenda that prioritizes necessary actions based on science and includes clear, measurable goals for the recovery of Puget Sound by 2020. Adopted December 1, 2008, the Puget Sound Action Agenda replaces the prior Puget

Sound Water Quality Management Plan. The Action Agenda sets state policy, is a strategy for cleaning up, restoring and protecting Puget Sound, and includes five strategic priorities:

- Protect intact ecosystem processes, structures, and functions
- Restore ecosystem processes, structures, and functions
- Reduce the sources of water pollution
- Work effectively and efficiently together on a priority basis
- Build an implementation, monitoring, and accountability management system

The Partnership's major focus since publishing the Action Agenda in December 2008 has been to evaluate ecosystem status and develop a performance management system to manage recovery efforts. Interdisciplinary teams comprised of business, environment, local governments, local organizations and academia are working towards developing strategies and actions to reduce effects from five components that negatively impact Puget Sound's ecosystems: land development, shoreline alteration, runoff from built environment, wastewater, and loss of floodplain function. Until the current work of the Puget Sound Partnership Leader Council is completed, there is no new direction regarding stormwater management priorities.



South Central Puget Sound Action Area (Draft July 11, 2008)
Source: Jones & Jones

The City of Burien is part of the "Puget Sound Actions Area" which encompasses the Cedar, Duwamish and Puyallup watersheds. Currently, the City is addressing the Action Agenda priority for managing stormwater runoff in urban areas to reduce stormwater impacts by implementing its NPDES Phase II Permit requirements and encouraging LID for new development and redevelopment.

Program Implementation

The City currently participates in regional watershed planning by making annual contributions to fund WRIA #9 and Miller/Walker Basin Stewardship Program. Because of the regional planning efforts already conducted for Miller/Walker Creeks, the City benefits greatly from the stewardship work in the local watershed. The City plans to continue participating in these program and providing annual funding for projects.

Underground Injection Control Rule

The activities required for compliance with the State's Underground Injection Control (UIC) Rule depend on the number and type of underground injection control facilities (such as dry wells or underground infiltration galleries) that the City uses for stormwater management. With no known publically owned UIC facilities, the City is not under any current UIC rule obligations. When evaluating solutions to address drainage challenges in the City's closed depressions, the City should pay careful attention to the State UIC rule. Any new or retrofitted injection facilities must comply with the requirements of WAC 173-218.

Program Implementation

No change to the existing staffing or program funding.

Capital Improvement Program

The Capital Improvement Program analysis focuses on the staffing and resources required to implement construction projects that will maintain and enhance the storm drainage infrastructure. Currently, the City contracts for engineering and construction services to design and construct approximately one stormwater-related capital improvement project each year. The City also maintains a small works roster for projects that City staff can design in-house with construction costs less than $100,000. The City also leverages Stormwater Program funds to upgrade stormwater infrastructure when transportation or other utility projects are scheduled on local roadways.

Program Implementation

No change to the existing staffing or related program funding. See Section 4 for a detailed analysis of the City's stormwater CIP and the annual cost for construction projects.

Additional Activities

Additional Activities includes administrative functions of the Stormwater Program, interest payments, overhead costs, and fees not covered in the above regulatory elements. The City pays administrative fees to King County to coordinate the billing and collection of the City's Stormwater Utility fees with property tax bills. The Stormwater Fund also pays a portion of the City's general overhead costs for items such as operating rentals and leases, janitorial services, and other miscellaneous items. Additional Activities also includes the Stormwater Programs interest payments on past loans and engineering services to support the program.

Program Implementation

Existing administrative activities, interest payments, and fees are expected to remain generally constant. The City would like to establish a "Maintenance Facility and Equipment" fund that would accumulate monies to purchase and construct a city-wide maintenance shop, equipment shed, and material storage facility. The fund would also pay for long term purchases of maintenance equipment (vactor truck, street sweeper, etc.) that would allow City staff to conduct more maintenance actions and reduce contracts with King County. The Maintenance Facility and Equipment fund would receive transfers from all Public Works Department (as well as other City Departments as determined by City Council). For budgeting purposes, the Stormwater Programs contribution is estimated at $100,000 per year starting in 2013.

Stormwater Program Implementation Plan

The City's existing Stormwater Program already includes many of the required legal authorities, programmatic activities, services, and maintenance actions needed for compliance with stormwater regulations. Some of these activities will need to be enhanced or expanded for full compliance in the future with both the current and upcoming Phase II Permit. Table 3-1 provides a summary of the staffing and funding required for future Stormwater Program implementation. The detailed program analysis is included in Appendix 3-2.

Table 3-1: Summary of Existing and Future Stormwater Program Expense and FTE							
Element	Existing Staff FTE	Existing Staff Cost ($)	Existing Expense Cost ($)	Future Staff FTE	Future Staff Cost ($)	Future Expense Cost ($)	Notes
1 – Public Education and Outreach	0.10	$8,600	$10,000	0.15	$13,000	$15,000	Increased outreach and measurement of outreach results as required by NPDES.
2- Public Involvement and Participation	0.05	$7,800	$0	0.05	$5,000	$0	No change.
3 – Illicit Discharge Detection and Elimination	0.50	$43,200	$42,700	0.60	$50,000	$30,000	IDDE inspections will be combined with maintenance program.
4- Controlling Runoff from New Development, Redevelopment	0.50	$53,700	$7,700	1.30	$109,000	$25,000	Revise development code for LID. Increase staffing to review development plans for LID stormwater facilities as required by NPDES.
5 – Pollution Prevention and Operation and Maintenance for Municipal Operations	6.40	$412,900	$520,700	7.30	$608,000	$503,000	Increase frequencies as required by NPDES. Shift responsibility from outside contracts to City staff.
6 – Program Implementation	0.00	$0	$0	0.05	$4,200	$30,000	Develop written program policies as required by NPDES.
7 – Total Maximum Daily Load Allocations	N/A	N/A	N/A	N/A	N/A	N/A	No TMDLs apply to the stormwater program.
8 – Monitoring	0.00	$0	$0	0.05	$4,200	$32,500	City must pay in to regional monitoring program as required by NPDES.
9 – Reporting	0.05	$5,400	$10,000	0.05	$5,000	$5,000	No change.
10 – Regional Watershed Planning	0.05	$5,400	$76,000	0.10	$9,000	$76,000	Increased attention to WRIA activities.
11- Underground Injection Control Rule	N/A	N/A	N/A	0.00	$0	$0	No change
12 – Capital Improvement Program	0.40	$52,900	See Section 4	0.50	$50,000	See Section 4	Program variable based on project development.
13 – Additional Activities	0.70	$70,400	$284,100	1.00	$84,000	$365,000	Increase funding for equipment purchase and future maintenance facility.
Total	8.75	$660,000	$951,000	11.25	$942,000	$1,082,000	
Grand Total	**8.75**	**$1,611,000**		**11.25**	**$2,024,000**		**Operating only; See Section 4 for CIP**

Short Term Implementation Activities

Over the next year, City should continue to conduct all current activities established to comply with the NPDES Phase II Permit including public education and outreach activities, public involvement and participation activities, development review, and regular maintenance activities. The City should fill the empty staff position (Stormwater Engineering Technician) to continue required IDDE activities and facility inspections. In addition, the City needs to complete the following activities in 2012 to maintain compliance with the current Permit:

- Conduct follow up survey to measure effectiveness of education efforts related to proper vehicle washing
- Post the 2011 Annual Report and 2012 SWMP Update on the City's website
- Develop IDDE written procedures for field assessments, and characterizing, tracing and removing sources
- Conduct quarterly Stormwater Pollution Prevention Plan (SWPPP) inspections and repairs as necessary for heavy equipment maintenance or storage yards and materials storage facilities

Long Term Implementation Activities

Starting with the new permit effective date in 2013, the City will need to expand or enhance the Stormwater Program in the following ways to address increasing Permit requirements:

- Evaluate target audiences and re-focus the City's public education messages to support the Watershed Enhancement Program (Section 5).
- Establish written plans and procedures for the City's IDDE Program, Development Review and Enforcement, Stormwater Maintenance Standards, Private Facility Inspection and Enforcement, and Municipal Maintenance Pollution Prevention Practices. A budget of $30,000 (Element 6.1) has been allocated for this activity. Sample plans for some elements are available on the Ecology website. It is recommended that the City work with a consultant to ensure the programs will comply with Permit requirements.
- Expand IDDE Facility inspections to cover all publically maintained catch basins on a rotating basis (starting in 2013). These inspections should be combined with required maintenance inspections and conducted by City staff.
- Conduct follow-up investigations of identified IDDE concerns. Follow corrective action and enforcement procedures as needed.
- Conduct annual training for City staff responsible for IDDE inspections, and maintenance activities, and development review. An annual training budget of $20,000 has been allocated between Elements 3.6, 4.6, and 5.7.
- Perform and track maintenance activities performed in response to facility inspections.
- Continue to evaluate contracted services and identify activities and equipment needs to expand the services that can be performed by City staff.

- Revise City Code to incorporate LID requirements for both planning, development approval, and engineering design standards. Additional staff time and a budget of $15,000 (Element 4.1) have been allocated for this activity.
- Pay into the regional monitoring program (starting in 2013).
- Actively participate in regional watershed planning efforts, advocating for regional funding to support projects in City of Burien watersheds.
- Establish a maintenance facility and equipment fund and designate annual transfers from the Stormwater Program to fund future construction of a City maintenance shop and vehicle/equipment storage yard.
- Construction of a new maintenance facility will also require development and implementation of a SWPPP for the new facility. Development of the SWPPP should be included in the cost of designing the facility.

Staffing Plan

In the 2011 budget, the Stormwater Program funded 8.75 FTEs[2]. This includes:

- 0.45 FTE Public Works Director
- 0.5 FTE Maintenance Supervisor
- 0.8 FTE Stormwater Engineer, including 0.5 FTE for development review and 0.3 FTE for the CIP program
- 1.0 FTE Stormwater technician (currently not filled) to coordinate facility, IDDE, and maintenance inspections and follow-up investigations
- 5.5 FTE Maintenance worker
- 0.5 FTE Administrative support

The program analysis shows an overall need for 2.5 additional FTEs to support the Stormwater Program. Additional staff time is recommended in the following areas:

- Add 0.5 FTE City Engineer – New position possibly shared with transportation program budget to oversee the City's capital programs and contracting of engineering services. This position would also include coordination with maintenance staff for small infrastructure repairs.
- Add new 1.0 FTE Stormwater Engineer – new position to coordinate the City's NPDES permit requirements, including implementing increasing LID requirements, coordinating public outreach efforts, tracking and responding to stormwater related complaints, overseeing the stormwater utility billing with King County, establishing consistent policies, procedures, and tracking mechanisms across the Stormwater Program, and writing grant applications for additional Stormwater Program activities and infrastructure.

[2] The 2012 budget included the hiring of seasonal staff to conduct additional maintenance activities. Seasonal hires are not included in the FTE calculations and are rather budgeted as an ongoing and recommended program expense.

- Add 0.5 FTE to Stormwater Engineer – brings Stormwater Engineer to 1.3 FTE, with 1.0 FTE allocated to development review and site inspections, and 0.3 FTE remaining for the CIP program. Initially, the development review work will need to focus on revising City code to incorporate LID principals. As the economy recovers, drainage review for development and redevelopment will likely expand to a full-time staff position.
- Add 0.5 FTE to Maintenance Worker – brings Maintenance Worker to 6.0 FTE for maintenance staff to take on increasing responsibility for tasks currently contracted to King County and to increase catch basin inspections to every other year.

Stormwater Program Budget

Table 3-1 shows that Programmatic activities presented in this section are expected to require $2,024,000 annually starting in 2013. This funding is necessary to meet minimum compliance requirements of the NPDES Phase II Permit and other regulatory obligations. In addition to increased funding to pay for staff salary and benefits, the stormwater program budget will see the following significant changes in 2013:

- Increased Public Outreach programs at $10,000 per year (Element 1.1)
- Increased cost for staff training ($20,000 in Elements 3.6, 4.6, and 5.7).
- Stormwater program contribution to a larger Community Development project to revise City Code to incorporate LID requirements as required by the Permit ($15,000 in Element 4.1).
- Increased cost to develop written plans and procedures for the City's IDDE Program, Development Review and Enforcement, Stormwater Maintenance Standards, Private Facility Inspection and Enforcement, and Municipal Maintenance Pollution Prevention Practices ($30,000 in Element 6.1).
- Increased cost to Increased cost to conduct additional conveyance system cleaning ($25,000 in Element 5.5).
- Savings of approximately $115,000 (Elements 3.3, 5.2 and 5.4) by reducing contracts with King County and conducting facility and catch basin inspections with City staff.
- Annual Pay-in to the regional monitoring program ($32,000 in Element 8).
- Stormwater program contribution to a fund to support future purchase of maintenance equipment and development of a City-wide maintenance shop and storage area ($100,000 in Element 13.1).

The stormwater program will also fund the CIP program presented in Section 4.

Additional Considerations

This Program Analysis includes Stormwater Program costs based on the City's service area in 2012. The analysis does not evaluate the Stormwater Program requirements that would be needed to support potential future annexations. Stormwater program impacts should be thoroughly evaluated when planning for services in any future annexation areas. Adding

service area to the City can affect the stormwater program by adding additional program area for NPDES Phase II Permit requirements, increasing the maintenance service area, increasing need for CIP projects to address aging infrastructure or to bring existing systems up to City standards, and bringing new liability for water quality issues in the annexation area. However, any new annexed area will also directly increase the stormwater program budget through the addition of new utility rate payers.

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Introduction

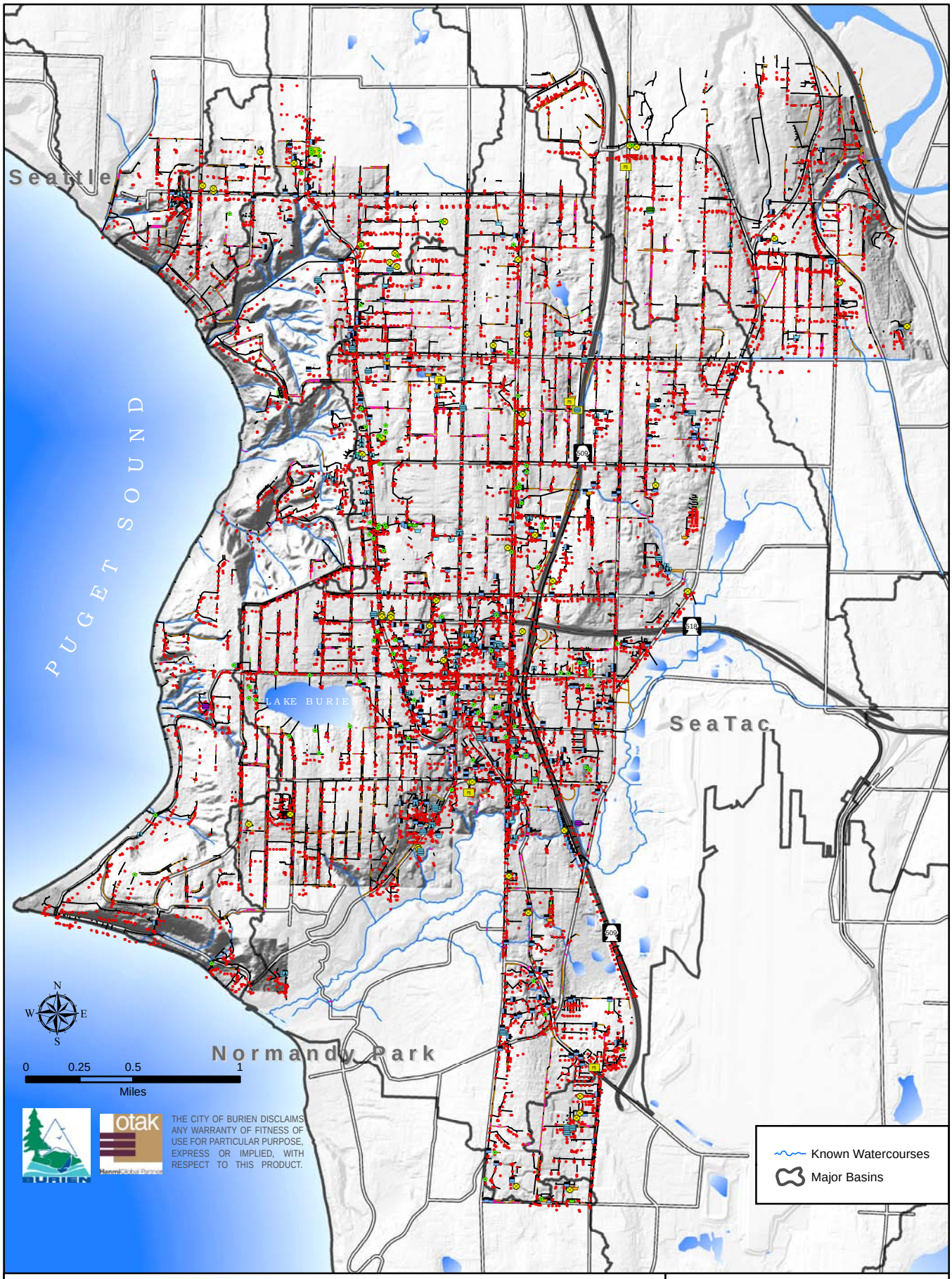
A major component of this SDMP is the development of an updated CIP projects list. The updated CIP includes projects that address flooding, infrastructure and water quality concerns, along with identifying long term stormwater and water quality studies.

Section 4 describes the CIP project development methodologies, including information sources, rating and ranking criteria for drainage concerns and the CIP project development process. This section provides a project description, sketch, and planning level cost estimate in 2012 dollars for the planning, design, permitting and construction of each CIP project. This section also provides a list of small works projects and water resource related studies to support the City's Stormwater Program.

The City's CIP projects will be funded by the City's stormwater utility (See Section 5). The City will also pursue grant funding, as appropriate, for the design and construction of the CIP projects. The City will use their annual budgeting process to update project priorities and select projects for design and construction.

Stormwater System Inventory

Table 4-1 summarizes the stormwater and drainage-related infrastructure in the City of Burien. Information was generated from the City's stormwater inventory and is continually updated as new information comes available. See Figure 4-1 for the City's stormwater system map.



Drainage Master Plan	Figure 4-1 Stormwater System Map	May 2012

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Last updated: 5/23/2012
By: Fernandol

Table 4-1 Existing Stormwater Inventory*					
Type	Right-Of-Way	Parks	City Owned Property	Private Property	Total in City
Stormwater Ponds	15	-	-	unknown	unknown
Control Structures	66	5	8	213	292
Oil Water Separators	15	0	2	85	102
Water Quality Vaults	1	0	1	1	3
Water Quality Filters	12	1	0	36	49
Catchments (catch basins, yard drains, manholes etc)	5,831	122	22	2,787	8,762
Discharge Points (Outfalls, Infiltration)	72	26	8	114	220
Headwalls/Inlets/Outlets	3,182	40	12	220	3,454
Fittings (Joints, Elbows, etc)	96	16	8	832	952
Pipe (ft)	576,963	14,584	2,638	279,881	874,066
Ditch (ft)	124,150	2,080	648	13,561	140,439
Culvert (ft)	39,277	303	N/A	2,265	41,845
Swale (ft)	1,668	78	561	4,090	6,397
Watercourse (ft)	N/A	20,218	1,327	28,438	49,983
Other Gravity Mains (ft)	262	477	N/A	1,440	2,179

*As of December 30, 2011

Recent Capital Improvement Projects

The City has completed capital improvement projects identified in the 2005 Storm Drainage Master Plan. Table 4-2 provides a brief summary of the recently completed projects. A master list of the current status of the CIP projects from the 2005 plan is included in Appendix 4-1.

Table 4-2 Completed Stormwater Capital Projects from the 2005 Plan	
Project Title	Previously Listed Project Cost
SW 132nd Street Flooding	$26,000
Century Apartments Drainage Systems	$205,000
142nd Street Depression (2 Projects)	$740,000 $956,000
15th Ave SW Drainage System	$258,000
S 132nd Street Depression	$518,000

The City has also funded ongoing small works projects to address small problems that can be solved with simple solutions. These projects are generally designed by City staff and constructed by contractors on the City's Small Works Roster for under $100,000. City maintenance staff also addresses stormwater infrastructure needs by replacing or adding catch basins, installing asphalt berms to direct stormwater runoff, and re-grading drainage swales and roadside ditches.

142nd Street Depression

CIP Development Process

The CIP development process includes the following four steps:

- Step 1: Problem Identification and Mapping
- Step 2: Categorize Drainage Concerns
- Step 3: Ranking of Potential CIP
- Step 4: Site Visits/Development of Capital Projects

The process of collecting, categorizing, and evaluating complaints is shown in Figure 4-2 with additional details described below.

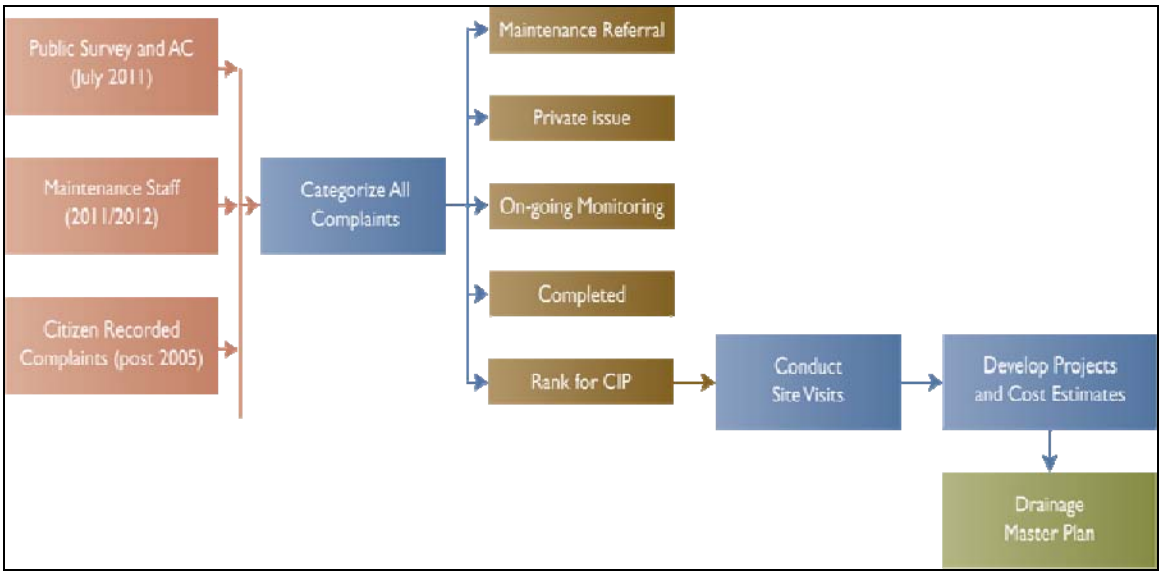


Figure 4-2: CIP Development Process Flow Chart

Step 1: Problem Identification and Mapping

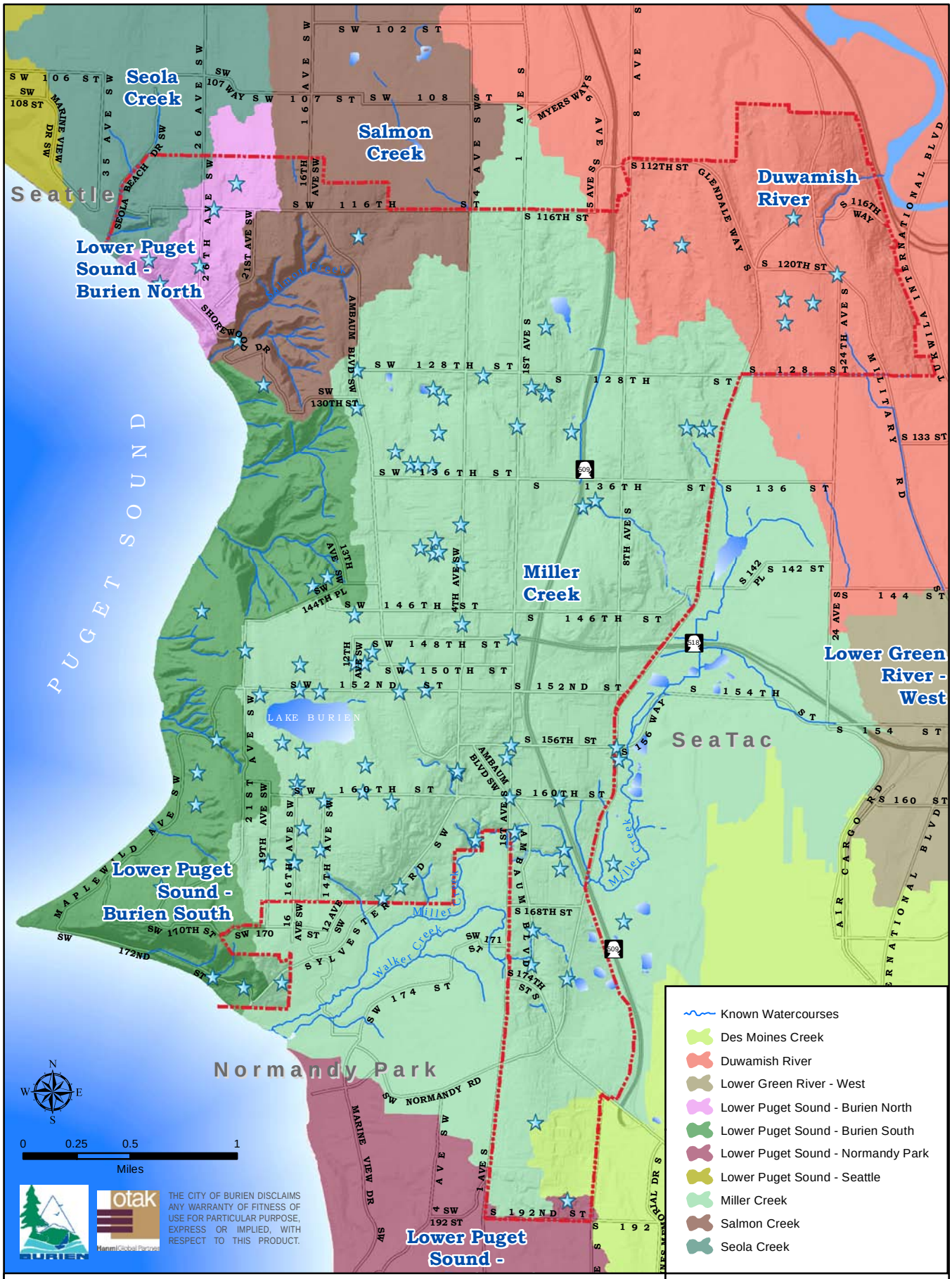
The first step in developing the CIP projects was to identify existing drainage concerns and problem areas throughout the City. The data collection resulted in the identification of 131 drainage problems reports located across the City as summarized in Table 4-3. The problem report locations are shown on Figure 4-3 and described in detail in the evaluation matrix presented in Appendix 4-2[1].

Table 4-3
Number of Drainage Problem Reports by Source

Source of Drainage Problem Reports	Description	Number of Problems*
City Maintenance Staff	In late 2011 and early 20012, City of Burien Maintenance Staff compiled a list of known drainage problems and areas requiring frequent maintenance.	59
Other City Staff	Throughout the CIP evaluation process, City of Burien Public Works Engineering Staff compiled a list of known drainage problems and areas of frequent public complaints. Problem areas were also reported by the Public Works Director and Council members.	10
Advisory Committee Meeting and Public Survey	In July 2011 the Advisory Committee had a meeting and discuss citizen reported drainage problems. The City also posted a drainage survey on the City's website asking Burien residents and business owners for information regarding observed stormwater problems. Citizens were asked to provide the location, a brief description of the problem, frequency, impacts and damages, and public safety concerns. The returned surveys identified a number of localized drainage problems and water quality concerns.	19
Public Citizen Complaints – Recorded by City	The City records public citizen drainage complaints within the City boundaries that are received by phone. All public citizen complaints that were received post 2005 (after development of the last stormwater plan) were added to the complaint database.	66
2005 Plan: CIP Project List	All projects listed in the 2005 Plan that had not been completed by the development of this plan were added to the list of drainage complaints for consideration in the CIP development process.	11

*Note that some complaints had multiple sources. There were a total of 131 complaints recorded.

[1] The City's drainage complaint tracking database is constantly updated with new complaints received from citizens and City staff. The CIP program presented in this SDMP was developed based on the drainage complaint database as of April 30, 2012. Future changes to the database may require adding or removing projects from the City's CIP program plan.



Drainage Master Plan

Figure 4-3 Drainage Complaint Location Map

May 2012

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Step 2: Categorizing Drainage Concerns

Problem reports ranged from minor problems due to clogged structures to more serious flooding and water quality to issues that will require additional study, design, and construction. A description of each problem report is included in Appendix 4-2.

Localized ponding at SW 152nd and 18th Avenue SW

After compiling the drainage concerns into a database, developing the location map, and completing the site reconnaissance (at some locations), each drainage concern was categorized based on the possible future action needed to address the issue. The 131 problem reports were categorized as shown in Table 4-4 and Appendix 4-2.

Table 4-4
Summary of Drainage Concern Categorization

Problem Category	Number of Drainage Concerns	Description
Maintenance Referral	41	Drainage concerns referred to City maintenance staff for further action.
Private Issue	14	Problems originating and impacting private property that should be addressed by private citizens or business owners.
Ongoing Tracking	9	Drainage concerns that are yet to be confirmed by City staff. These areas require future tracking and observation during storm events to determine severity and complexity of the problem.
Completed	31	Drainage concerns that are not surface water related or had previously been addressed by City staff. No further action is required.
Potential Capital Project	36	Drainage concerns that likely require more detailed study and/or a significant construction to address the problem.
Total	**130***	

*One Complaint was categorized as "not enough information"

The largest category of drainage concerns were problem areas requiring additional maintenance. These include localized ponding areas that may be cause by debris or sediment accumulation in the existing drainage network. A total of 41drainage concerns were referred to the maintenance program for further attention. An additional nine concerns were identified as areas that need additional tracking to identify the source or severity of the reported problem.

Localized ponding at Ambaum and SW 142th

Thirty-six drainage complaints were categorized as potential future capital projects. Many drainage complaints have related causes and/or solutions, so the 36 evaluated problem reports were grouped into 18 problem areas for further evaluation.

Step 3: Ranking of Potential CIP

The rating/ranking process utilized eight criteria, grouped according to the three major concerns of the City: flood reduction hazard, environmental impacts and community considerations, as shown in Table 4-5. Each of the eight criteria was weighted according to the City local priorities and concerns. Detailed scoring of each problem areas is provided in Appendix 4-2.

Step 4: Development of Capital Projects

In the final step of the CIP development, the 18 distinct problem areas were investigated to develop potential capital project solutions. A meeting was held with City staff to review the priority problem areas. Using the experience of staff and their knowledge of the City's drainage infrastructure and reoccurring problem areas, the project team discussed proposed solutions, and selected a preferred project concept for each potential CIP that would address the long term needs of the City's drainage infrastructure at eight of the 18 locations.

Table 4-6 shows the eight new CIP projects, their costs and initial prioritization. Figure 4-4 shows the location of each new CIP project. CIP project sheets and cost estimates are included in Appendix 4-3.

Table 4-5 Ranking Criteria for CIP Projects			
General	Specific	Score Range	Weight
Flood Hazard Reduction	Flood Location	0 = no impact 3 = impacts private property 5 = impacts publics streets in terms of traffic, infrastructure and public safety	1.5
	Flood Source	0 = no flooding. 3 = Private Water 5 = Public Water	1.5
	Flood Frequency	0 = flooding only during major (10+-year storm) 3 = flooding on an annual basis 5 = flooding on a monthly basis during rainy season	1
Environmental	Erosion	0 = No erosion 3 = Erosion with no public safety impact 5 = Streambank erosion or hillside erosion with public safety impact	1
	Water Quality	0 = No water quality concerns 3 = minor water quality concerns 5 = measurable water quality concerns	1.5
	Habitat	0 = No habitat impact 3 = Impact of habits of 1 to 2 species 5 = Impacts of 3 or more species	1
Community Considerations	Economic Impact	0 = No economic impacts 3 = Minor economic impacts to public or private property 5 = High economic impacts, such as commercial and high use areas	1
	Complaint History	0 = No related complaints 3 = 1 or 2 related problem reports 5 = more than 3 related problem reports; OR Projects part of past CIP.	1.5
		Total Possible Score	**50**

Table 4-6 Summary of CIP Projects		
Project Problem Area	Project Title	Cost
CIP 1	Capacity Improvement at 4th Avenue SW	$552,000
CIP 2	20th Avenue SW Drainage Improvements	$390,000
CIP 3	20th Avenue S between S 120th Avenue and S 124th Street Drainage Improvements	$441,000
CIP 4	SW 165th Street between 16th Avenue SW and 19th Avenue SW	$322,000
CIP 5	SW 135th Street and 6th Avenue SW Drainage Improvements	$154,000
CIP 6	SW 152nd and 8th Avenue SW Drainage Improvements	$457,000
CIP 7	25th Avenue SW Drainage Improvements	$799,000
CIP 8	4th Avenue S/Blake Manor Neighborhood Drainage Improvements	$639,000
	Total	**$**3,754,000

Note: The cost opinion is in 2012 dollars and does not include future escalation, financing, or O&M costs.

Concept level projects were developed to address each of the problem areas. Projects include adding and upsizing inlets, replacing damaged pipes, and installing new or retrofitting existing stormwater infrastructure (pipes, ditches, etc.). Project sketches and planning level quantity/cost estimates were developed using available GIS data and information documented during the field visit. More detailed topographic survey will be needed to develop full solutions and construction drawings for each CIP. The cost estimates were developed using average bid item costs from recent construction projects and the engineering judgment and construction experience of the consultant team.

In six additional locations the preferred solution is to conduct a more detailed study to clarify the source or extent of the problem and to develop a more extensive set of solution alternatives. Table 4-7 lists the proposed drainage studies and estimated study costs.

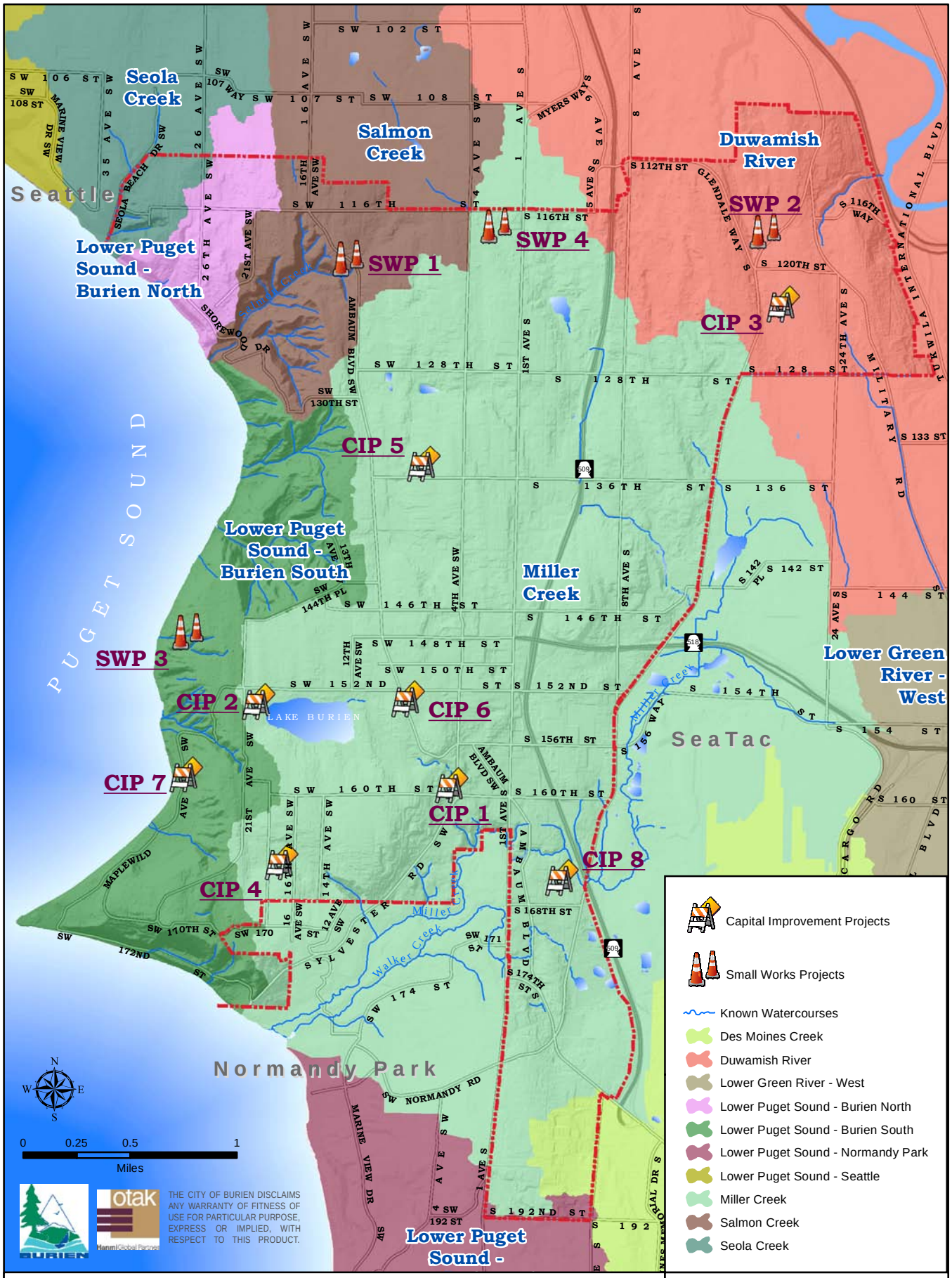
Table 4-7 Summary of Studies		
Study Number	Project Title	Cost
Study 1	Lake Burien System Retrofit	$250,000
Study 2	NERA Master Drainage Plan	$350,000
Study 3	Des Moines Memorial Drive and S 175th Street Sediment Study	$100,000
Study 4	Hermes and Mayfair Depressions Master Plan	$200,000
Study 5	142nd Street Depression Improvements	$200,000
Study 6	Arbor Lake Water Quality Lake Management Plan	$150,000
	Total	**$1,200,000**

Note: The cost opinion is in 2012 dollars and does not include future escalation, financing, or O&M costs.

Small works projects are projects that can be within the design capabilities of City Engineering staff and constructed by City Maintenance staff or contractors from the City's Small Works Roster. Small Works projects have straightforward design solutions (no specialized analysis required) and an estimated construction cost of under $100,000 per project. The list of current small works projects is included in Table 4-8. The City's small work project list is expected to expand as additional drainage complaints are received, categorized, and ranked according to the criteria presented in the SDMP.

Table 4-8 Summary of Small Works Projects		
Small Works Project Number	Project Title	Cost
Small Works Project 1	Ambaum Blvd SW/SW 120th Block Drainage Improvements	$100,000 per year
Small Works Project 2	Occidental Ave S Drainage Improvements	
Small Works Project 3	Eagle Landing Park/25th Avenue SW Drainage Improvements	
Small Works Project 4	116th Avenue SW between 1st Avenue and 4th Avenue SW at Church Drainage Improvements	

Note: The cost opinion is in 2012 dollars and does not include future escalation, financing, or O&M costs.



Drainage Master Plan

Figure 4-4 Capital Improvment & Small Works Projects Map

May 2012

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Last updated: 6/7/2012
By: Fernandol

Miller and Walker Creek Basin Plan Projects

The CIP Development process also included a review of the 2006 Miller and Walker Creek Basin Plan to identify additional projects related to the City's Stormwater Program. The Miller/ Walker Creek Basin Plan was published in collaboration with King County, WSDOT, Port of Seattle, Seatac, Burien and Normandy Park. This report outlined five major capital projects within the City of Burien (Note: all costs listed are in 2006 dollars):

- Hermes Intake Line – Water Quality Project ; Cost Dependent on Type of Treatment
- Seattle City Light Property Detention and Water Quality Treatment Facility – 12 acre-feet Detention Pond; $1.2 Million
- Ambaum Regional Detention Facility – 12.5 acre-feet Detention Pond; $1.4 Million
- Miller Creek Concrete Weirs – Weirs installed in Miller Creek Downstream of 1st Avenue South; $350,000
- Walker Creek Headwater Purchase – Property Purchase; $50,000 for protection activities; ~$425,000 for property purchase

The Ambaum Regional Detention Facility was expanded by 7.4 acre-feet with funding from the City, WSDOT, and a State grant. The other projects in the Miller Walker Creek Basin Plan will be evaluated as part of the City's renewed focus on basin planning and watershed studies. The City will continue to evaluate the needs within the Miller and Walker Creek Basins and has allocated funding for two studies to identify short and long term project needs (Study 1 and Study 2 in Table 4-7).

Infrastructure Replacement Fund

The vast majority of the City's drainage infrastructure was constructed prior to incorporation and was previously managed and maintained by King County. Drainage system infrastructure typically has a 50-100 year design life. Based on the age of the surrounding neighborhoods, design life is a concern for large portions of the City's drainage system. The City has an ongoing program to replace existing pipes in coordination with roadway construction. However, with over 130 miles of publically owned pipes and culverts, the cost to replace just one percent of the system is approximately $350,000. This assumes that pipe replacement occurs concurrent with other roadway improvement projects, so that design and construction management costs can be absorbed into the larger project.

Capital Repair at 6th Avenue SW and SW 122nd

The CIP program includes establishing an Infrastructure Replacement Fund. The Stormwater Program will transfer approximately $350,000 per year into the Infrastructure Replacement Fund, so that funding can accumulate to upgrade existing stormwater infrastructure during future roadway improvement projects. Money from the Infrastructure Replacement Fund will then be used to construct the stormwater-related aspects of each project.

The infrastructure replacement fund may also be used to develop hydraulic models of the City's existing drainage infrastructure in order to prioritize system replacement in areas that require additional capacity.

Capital Program Funding

Historically, the City's CIP projects have been funded by the City's stormwater utility and grants for specific projects. The amount of funding provided for stormwater-related capital projects varies from year to year, depending on the program revenue, activities, and priorities. In 2011, the City transferred $830,000 to pay for capital projects from the stormwater utility fund.

The capital program proposed in this plan includes CIP Projects, Water Resource Related Studies, Small Works Projects, and the Infrastructure Replacement Fund. The proposed program is expected to require between $1.1M and $1.3M on an annual basis. The City will use the annual budgeting process to update priorities and select projects for design, construction or long term planning. The City will continue to pursue grant opportunities to accelerate the rate of construction for stormwater related capital projects.

Section 5: Watershed Enhancement Program

Background

The City is dedicated to protecting watershed health and enhancing water quality and natural resources. In compliance with NPDES Phase II Permit requirements, the City has developed an education and outreach program focused on educating residents and business owners about their impact on the health of the watershed.

During the development of the SDMP, the City worked with residents to form a Stormwater Advisory Committee to inform the priorities and activities proposed in this SDMP. The Advisory Committee provided critical information related to drainage problem areas throughout the City. During an April 2012 Advisory Committee meeting, citizens also identified a need for the City to increase messaging and outreach to residents, businesses, and other citizen groups related to watershed health and water quality protection. In response to this meeting, the City is developing a Watershed Enhancement Program. This program builds upon the Public Outreach and Education requirements in the NPDES Phase II Permit and expands the City's efforts to promote individual action and responsibility related to water quality protection. Through the Watershed Enhancement Program, the City is joining efforts with local organizations and citizens to improve the health of the streams and natural habitats.

Rain Garden Workshop

Program Focus and Messages

Based on discussions with the Advisory Committee and the Miller/Walker Creek Basin Steward, the City has identified some key messages and focal points for the Watershed Enhancement Program. In general, the program messages will focus on reducing or eliminating pollutants at the source and source control activities to prevent pollutants from reaching natural systems. Some examples of these messages include:

- Encouraging residents to "Know Your Watershed" and understand what basin their property is part of.

- Reducing pollutant discharge to natural systems through focused landscaping practices such as limiting use of chemicals, proper fertilizer application when necessary, using natural techniques for weed control, and retaining trees and natural vegetation.
- Reducing stormwater runoff and pollutants by replacing developed surfaces (impervious areas or managed lawn) with pervious surface and/or native plantings.
- Promoting pet waste clean-up through messaging and installation of pet waste stations in parks and along shorelines.
- Encouraging residents to inspect side sewers for decaying pipes.
- Providing car wash kits to charity groups.
- Extending car wash education to Fire Stations and other municipal groups that maintain fleets of vehicles.
- Education and Inspections to automotive businesses to identify potential pollutant sources and identify source control techniques to reduce the potential for spills or illicit discharges to the stormwater system.
- Promoting Low Impact Development and Green Stormwater Infrastructure among the planning, development, engineering, and contractor communities.

Target Audiences and Methodology

Changing individual behaviors requires focused messaging at target groups. It often takes multiple "touches" for a message to resonate with the target audience. Additional messaging is generally required to enact a concrete change in behavior. The Watershed Enhancement Program will utilize a variety of media and methods to reach target audiences.

The City will consider the following methods for promoting messages about individual responsibility for watershed health:

- Working with local nurseries and plant distributors to encourage native planting, and natural landscaping materials. Messaging should focus on the cost effectiveness and time saving advantages of natural landscaping materials.
- Developing Brochures and "leave behind" materials. Locations for media displays may include City Hall, the Community Center, Library, Festivals, and Farmer's Markets.
- Including water quality messaging and related articles in the City Newsletter.
- Developing pilot projects to install rain gardens, bioinfiltration swales, and other green stormwater infrastructure facilities. Pilot projects become hands-on learning tools for the development and contractor communities and also provide an opportunity for residents to increase their understanding of the system aesthetics and function.
- Working with citizen groups to hold a Native Garden Tour of local residences and public projects that have utilized native plants and other "green" approaches.

- Partnering with schools or other local groups to provide watershed-based education opportunities to school-aged children.
- Business outreach program to educate local businesses about their water quality impact and potential to reduce the discharge of pollutants into the watershed. Messaging can focus on illicit discharge, source control, runoff control and/or landscaping practices.

Partnerships

The City of Burien currently partners with King County, Normandy Park, SeaTac, and the Port of Seattle to fund the Miller/Walker Creek Basin Steward through King County. Funding a Basin Steward position was recommended in the *Miller and Walker Creeks Basin Plan*. The City of Burien's participation in the Basin Stewardship program is a key element of the Watershed Enhancement Program. The Basin Steward serves as a single point of contact for activities and information related to the basin. In addition, the Basin Steward provides educational materials on pet waste, native vegetation, controlling invasive weeds, storm drain protection, conserving water, household hazardous waste disposal, and Low Impact Development. The Basin Stewardship Program also coordinates volunteer efforts for local stream restoration and tree planting projects, conducts monitoring programs, arranges presentations to school and community groups, and responds to reports of fish sightings, and non-emergency problems in local creeks.

Volunteer Catch Basin Painting

The Watershed Enhancement Program will evaluate opportunities to partner with the following additional agencies and organizations:

- Local Businesses
- Sustainable/Ecological Non-Profit Groups (Sustainable Burien)
- Neighborhood Groups
- Sewer Districts/Other Utility Providers
- Highline School District and/or Highline Schools Foundation

Low Impact Development

Private Driveway to Lake Burien

The Watershed Enhancement Program is also focused on promoting Low Impact Development (LID) and Green Stormwater Infrastructure approaches to manage stormwater runoff and improve watershed health. Using LID techniques for surface water management on new developments and capital improvement projects is a way to improve water quality in a manner that more closely mimics flow characteristics from natural forested conditions. LID has been emerging over the past several years as a new way of managing stormwater runoff. The goal of LID is twofold: 1) capture pollutants in stormwater prior to discharging to a lake or stream (usually through settling and filtration); and 2) reduce peak flows that are caused by converting land from forest to buildings, streets and parking lots (via detention/storage and or infiltration in an LID facility). A reduction in peak flows helps prevent erosion of stream channels and destruction of aquatic habitat.

In 2008 the City published a study titled "City of Burien Low Impact Development Implementation Framework" with the purpose of providing direction for developing a programmatic implementation plan and LID barriers analysis. The programmatic implementation framework for implementing successful LID outlined in the report included:

- Remove Barriers
- Provide Tools
- Provide Examples
- Promote Application of LID
- Educate the Public
- Fund Improvements
- Adapt

The City's has adopted the 2009 KCSWDM, which requires the City to implement LID techniques (called Flow Control BMPs) on projects for both flow control and water quality on projects where appropriate. As described in Section 3, the next NPDES Permit will also require the City to review and update the development code to remove barriers from the use of low impact techniques in site planning and stormwater management.

The City has an active citizen base, including Sustainable Burien, a group whose mission is to educate, promote and participate in the creation of a sustainable community in Burien, including removal of invasive plant species in the stream corridors. Residents have also been

active in promoting the use of LID stormwater techniques in the Lake Burien basin through activism with Ecology and City Staff.

Operations and Capital Program

In addition to the Watershed Enhancement strategies described in this section, the City's stormwater program operations and capital programs are focused on promoting watershed health. The program operations described in Section 3 are designed to protect and improve water quality under the Federal Clean Water Act. Specific program activities include:

- Public education and outreach efforts focused on proper car wash methodology as well as the distribution of car wash kits to protect water quality during charity car wash events.
- Illicit discharge screenings and investigations to identify sources of pollution entering the public stormwater system.
- Water quality audit program to evaluate local business practices with respect to water quality impacts.
- Ongoing development review to ensure that proposed development and redevelopment activities are in compliance with the stormwater management standards to reduce runoff and protect water quality.
- Inspection of stormwater management facilities to identify maintenance concerns.
- Ongoing maintenance program to keep stormwater management facilities in proper working order and to remove sediment and pollutants accumulated in catch basins.
- Participation in regional watershed planning efforts.

The City's capital project program also includes specific water quality enhancement projects, as well as watershed based studies to identify additional opportunities to upgrade or retrofit the existing public infrastructure to promote watershed health. Through the Watershed Enhancement Program, the City is joining efforts with local organizations and citizens to improve the health of the streams and natural habitats.

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Overview

The purpose of this study was to identify the future needs of the City's stormwater program including documenting areas where drainage and water quality can be improved, updating the CIP project list and identifying the actions and staff demands for both the current and future regulatory requirements. This SDMP outlines programmatic, operational, and capital construction activities to guide the City's Stormwater Program over the next five to ten years.

Recommended Program

Table 6-1 summarizes the City's recommended annual stormwater program. The recommendations are based on the analyses presented in the program analysis in Section 3 and the capital improvement program in Section 4 as well as the priorities identified through the advisory committee process described in Chapter 5. Stormwater Program costs assume full implementation of the new NPDES Phase II Municipal Permit that will begin in 2013.

Table 6-1
Recommended Annual Stormwater Program

Stormwater Program Element	Average Annual Cost (2012 Dollars)	Notes
SWM Program (NPDES Compliance and Maintenance)	$2,024,000	Adds 2.5 FTE to meet future NPDES Permit requirements. Shifts inspection responsibility to City staff. Funds contribution for equipment and maintenance shop.
CIP Projects	$450,000	Constructs 8-10 projects over 10-year period. Additional projects identified through watershed studies.
Watershed Studies	$200,000	Funds one study/year for next 3-5 years. Shift funding to CIP Projects in later years.
Small Works Projects	$100,000	Assumes ongoing program.
Infrastructure Replacement Fund	$350,000	Annual transfer to support long term replacement and upgrade program.
Annual Program Total	**$3,124,000**	

The City's Stormwater Program is driven by activities required by the NPDES Phase II Permit. This SDMP identified program cost savings and program efficiencies to reduce the cost of NPDES Permit compliance (i.e. combining IDDE and maintenance inspections, transferring activities from contractors to City staff). However, required activities still constitute approximately 65 percent of the total recommended Stormwater Program budget.

The remaining budget funds infrastructure-related enhancement projects, including CIPs, Watershed Studies, Small Works Projects, and the Infrastructure Replacement Fund. It is recommended that the City establish a set transfer from the stormwater utility to the stormwater capital construction fund. Spending from the capital construction fund will then vary annually based on the City's priorities, which are set by Council and the Public Works Director.

Stormwater Program Funding

Historically, the City's Stormwater Program has been funded by the City's stormwater utility and grants for specific activities and projects. The 2012 Stormwater Utility revenue is expected to be $2,508,000. As program costs increase, additional funding will be needed to implement required regulatory programmatic activities, implement administrative needs of the program, maintain existing infrastructure, and construct capital projects to address drainage and water quality problem areas. The City will use this SDMP as the basis to evaluate Stormwater Program funding sources, update program priorities, and select projects for design, construction or additional study. The City will continue to pursue grant opportunities to enhance operations and accelerate the rate of construction for stormwater related capital projects.

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Appendix I-1: Stormwater Element of the City's Comprehensive Plan (2009)

2.8 STORM WATER ELEMENT

Goal ST.1

Manage stormwater runoff in such a manner as to:

- ***protect steep slopes, streams, wetlands and shorelines from erosion and sedimentation to avoid the degradation of environmental quality, wildlife habitat, and natural system aesthetics;***
- ***preserve, protect, and restore natural habitat critical for the conservation of salmonid species listed under the federal ESA;***
- ***protect the quality of surface water and groundwater;***
- ***provide recharge of groundwater where appropriate; and***
- ***ensure natural control mechanisms are preferred, where appropriate.***

Managing Stormwater (General)

Pol. ST 1.1 The City shall separately adopt a detailed Storm Drainage Master Plan to implement these stormwater policies based on this comprehensive plan. This plan shall:

a. Provide a plan of drainage improvements and regulatory actions that will reduce or eliminate local erosion, landslide and flooding problems in Burien, thereby protecting existing and future development and property values;

b. Provide protection from erosion, landslides and flooding in the Puget Sound basins where perennial and seasonal streams exist, and also protect these streams from the impacts of urban runoff;

c. Provide for the long-term protection and restoration of Miller Creek Basin as a viable fish habitat and a natural amenity for the urban area. Require higher detention and water quality standards for development within this basin because it supports a federally listed species.

d. Provide long-term protection and restoration of Salmon Creek Basin, as a viable fish habitat and a natural amenity for the urban area. Require higher detention and water quality standards for development within this basin because it supports a federally listed species.

Note: Policy numbers may not be consecutive. Through the Comprehensive Plan amendment process, some policies have been deleted from this chapter while existing policy numbers have retained their original sequence. Information on past Comprehensive Plan amendments is available at the City of Burien Community Development Department.

e. Encourage developers to incorporate into site planning various environmentally sensitive approaches to stormwater management, including low-impact development techniques, and preservation and restoration of natural landforms.

Pol. ST 1.2 The City should encourage regional approaches to managing stormwater to provide improved performance, maintenance and cost efficiency. Land should be acquired that is adequate for the development of regional detention and water quality facilities.

Pol. ST 1.3 Wherever possible, stormwater facilities should be considered as a multi-functional community resource which provides other public benefits such as recreational, habitat, cultural, educational, open space and aesthetic opportunities.

Pol. ST 1.4 Stormwater retention/detention facilities may be allowed to be used as partial fulfillment of open space requirements, where the facility provides significant recreation and open space amenities. In determining the degree to which this is allowed, consideration shall be given to the nature of the development. Where the development is non-residential, a greater percentage may be allowed for fulfillment. Commercial development shall make retention/detention facilities part of a more extensive landscaping. These facilities should be designed as an amenity, particularly in commercial developments, and to ensure the safety of its users.

Pol. ST 1.5 A watershed approach should be taken to surface water management, with responsibility shared among the City and other contributing jurisdictions. This approach should emphasize:

a. Prevention of water quality degradation through implementation of Best Management Practices and educational programs to reduce pollution entering surface waters;

b. Reduction of volumes and duration of urban flows to prevent flooding and erosion;

c. Cost sharing;

d. Consistency with the City's risk management practices; and

e. Maintenance and restoration of stream habitat for habitat preservation and enhancement.

f. Coordinated, knowledge based management decisions.

Protecting Natural Drainage Systems

Pol. ST 1.6 Development shall be designed and constructed to minimize disruption and/or degradation of natural drainage systems and the habitat they provide, both during and after construction. Development design which minimizes impervious surfaces through the use of appropriate low-impact development techniques, such as by limiting site coverage and maximizing the exposure of natural surfaces for the infiltration of water shall be required.

Pol. ST 1.7 Stormwater shall be detained and infiltrated on-site where possible. If on-site detention and infiltration is not possible, stormwater shall be detained so that the release rate is equal to or less than predevelopment or natural conditions. Any release must be to an approved drainage system, either natural or constructed, as approved by the City.

Pol. ST 1.8 As part of its review process, the City shall consider the impacts of stormwater runoff from new development on the City's natural drainage systems, and require any appropriate mitigating measures. When redevelopment occurs, and the amount of impervious surface increases, the City shall require existing development to be retrofitted with stormwater management facilities. Criteria for implementing this policy should also be developed using a threshold approach patterned after SEPA requirements.

Pol. ST 1.9 The City shall require development to provide off-site improvements necessary to avoid adverse downstream impacts.

Protecting Water Quality

Pol. ST 1.10 In the interest of the residents of Burien, the Puget Sound area and adjoining communities, the City will protect the quality of surface water bodies that are located within drainage basins of the City.

Pol. ST 1.11 The City will encourage all City residents and require businesses to implement Best Management Practices to prevent erosion and sedimentation from occurring, and to prevent pollutants from entering ground or surface waters to maintain natural aquatic communities and beneficial uses.

Pol. ST 1.12 The City shall establish enforcement mechanisms that may be used to prevent or stop contamination to surface water quality, as well as to implement all City stormwater policies. Enforcement mechanisms should address surface water contamination, including surface water flows. Through intergovernmental coordination, the city will seek similar

enforcement mechanisms for all waters through or into the City from up to five miles from its corporate limit.

Discussion: The City currently does not have an adopted water quality ordinance.

Pol. ST 1.13 The City shall incorporate facilities such as detention ponds, bioswales, wetlands, and other natural drainage facilities to improve the water quality of surface water runoff from existing and new roadway improvements.

Providing Groundwater Recharge

Pol. ST 1.14 Where infiltration will not adversely effect down gradient properties, infiltration of stormwater is preferred over surface discharge to a natural stream system. The return of precipitation to the soil at natural rates near where it falls should be encouraged through the use of infiltration mechanisms, including but not limited to well designed open drainage systems, infiltration ponds, detention ponds and grass lined swales.

Pol. ST 1.15 The City should use Geographic Information Systems (GIS) and other analysis tools to assist in determining appropriate locations for implementation of low impact development techniques that are complementary to their respective geographic context. The resulting analysis (document/map) should be made available to the public to increase education and awareness of best storm water management practices. (Amended, Ord. 497, 2008)

Goal ST.2

Ensure that standards used for the design and development of stormwater drainage systems reflect and support the character of adjacent development and the stormwater, land use, and environmental protection goals of the City.

Pol. ST 2.1 Appropriate stormwater management practices shall be employed to prevent stormwater problems from urban runoff, which may include flooding, erosion, or stream channel scouring in natural drainage systems. These practices at a minimum should include the collection, control and treatment of storm water runoff at a rate and quantity that will prevent damage to both man-made and natural drainage systems. One or a combination of the following three approaches can be used to managed excessive storm water runoff:

a. Collect, control, and treat stormwater runoff to a level that will prevent damage to the natural drainage system and restore the ability of the natural drainage system to function as a productive biosystem; and/or

b. Remove excessive stormwater runoff from the natural drainage system by artificial means such as bypass systems in accordance with SEPA or other adopted plans, regulations or regional programs.

c. Repair/retrofit private storm drainage lines that route City stormwater to prevent damage to both man-made and natural drainage systems.

Pol. ST 2.2 The following guidelines shall be used to develop stormwater quantity and quality standards within the City:

a. *Multifamily and Moderate Density Single Family Neighborhoods:* The City shall require new development, as well as redevelopment projects involving external construction that may have drainage implications, to comply with full urban stormwater drainage standards. Seek to implement stormwater management, including low-impact development standards, which require all development proposals to establish systems, preferably natural, for filtering the "first flush" (delivery of disproportionately large amounts of pollutants which occur during the early stages of the storm) of urban runoff near its source. The standards should also address maximum impervious lot coverage. Where appropriate, the Director of Public Works may modify these standards but only to the extent that runoff quantity and quality levels are maintained.

b. *Commercial and Industrial Areas:* The City shall require new development, as well as redevelopment projects involving external construction that may have drainage implications, to comply with full urban stormwater drainage standards, as described above.

c. *Low Density Single Family Neighborhoods:* The City shall allow low-impact development techniques that are appropriately designed to match the character of adjacent land uses, such as allowing well designed, open drainage systems which increase the amount of infiltration of rainfall as it occurs, as opposed to gutters and pipes which do not provide infiltration. (Facilities on arterials in these areas may require full urban stormwater drainage standards.)

d. *Low and Moderate Density Single Family Neighborhoods located in landslide hazard areas, on steep slopes, or in erosion hazard areas (as defined in the City's Environmentally Sensitive Areas Ordinance), or in areas with existing or potential drainage problems:* The City shall require new development, as well as redevelopment projects involving external construction that may have adverse impacts on the stormwater drainage system, to comply with stormwater drainage standards that include on-site drainage

controls. (Facilities on arterials in these areas may require full urban stormwater drainage standards.)

Pol. ST 2.3. The City shall develop and adopt regulations to supplement the adopted King County Surface Water Design Manual to ensure that any clearing, grading or the addition of impervious area in steep slopes or landslide hazard areas (or projects that drain or discharge into such areas) be reviewed for drainage implications and regulated accordingly.

Pol. ST 2.4 Design and construction standards for development should address rate of discharge, water quality, method and point of discharge, and method of storm drainage control.

Pol. ST 2.5 Design and construction standards for development should require the use of temporary erosion and sedimentation control measures that minimize the transport of sediment to drainage facilities, water resources, and adjacent properties.

Pol. ST 2.6 Stormwater conveyance systems for proposed projects must be analyzed, designed and constructed to accommodate stormwater runoff originating off-site that are conveyed onto the project site, as well as runoff from the project itself. Encourage the use of semi-pervious or pervious surfaces, and other low-impact development techniques to ensure that stormwater discharge from the site occurs at the natural location.

Pol. ST 2.7 The City shall enact ordinances and review development and redevelopment proposals in a manner which controls the duration and discharge of storm water from new development. At a minimum, peak discharge shall not exceed the rate of the predevelopment or natural conditions.

Pol. ST 2.8 Maintenance of all drainage facilities constructed or modified by a proposed project becomes the responsibility of the property owner. The City of Burien may assume maintenance of all approved drainage facilities constructed for formal plat subdivisions, planned unit developments, and short plat subdivisions two years after construction approval and upon assurance that they are in working order.

Pol. ST 2.9 The City shall not convert any pervious residential driveways to impervious surfaces following completion of a stormwater improvement or capital improvement project, unless the residential driveway was impervious prior to the commencement of the project.

Pol. ST 2.10 Increase the overall coverage of tree canopies and other vegetation in the City by encouraging new site development and retrofit plans to include provisions for the addition or preservation of trees and vegetation.

Pol. ST 2.11 Implement public educational programs encouraging homeowners to use development modifications to reduce stormwater impacts. The program should distribute materials to the community or conduct outreach activities about the impacts of stormwater discharges on water bodies and the steps the public can take to reduce pollutants in stormwater runoff.

Pol. ST 2.12 The public shall be involved in creating, implementing, and updating the storm/surface water management program. Municipalities should make efforts to reach out and engage all economic and ethnic groups.

Pol. ST 2.13 The City shall enforce a program to detect and eliminate illicit discharges into the city's stormwater system, including illegal dumping to the system.

Pol. ST 2.14 Develop and implement an operation and maintenance program that includes a training component and has the ultimate goal of preventing or reducing pollutant runoff from municipal operations.

Goal ST.3

Minimize the risk to property and residents from flooding hazards.

Pol. ST 3.1 Flood prone properties outside of the floodway are developable provided that such development can meet the standards set forth in the federal flood insurance program.

Discussion: The general location of areas within the 100-year floodplain is depicted on the City's environmentally sensitive areas map.

Pol. ST 3.2 Site plan review shall be required under SEPA for all development in the flood plain, including single family development, short plats and redevelopment. Appropriate mitigating measures shall be required whenever needed to reduce potential hazards.

Pol. ST 3.3 Any development within the floodway, which would reduce the capacity of the floodway or create risks to property, shall be prohibited.

Appendix 3-1: New Draft NPDES Phase II Permit Review Memo

Technical Memorandum

10230 NE Points Drive
Suite 400
Kirkland, WA 98033
Phone (425) 822-4446
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To: Heungkook Lim, PE, City of Burien Surface Water Management Engineer

From: Jessica Christofferson, EIT

Copies:

Date: December 23, 2011

Subject: New Draft NPDES Phase II Permit Review

Project No.: 31760

The purpose of this memo is to summarize the major changes between the current NPDES Phase II Permit and the draft NPDES Phase II Permit published in October of 2011.

Summary Overview of New Activities and Changes in the Permit

- Additional public education and outreach activities must include new target audiences and education on LID.
- Annual Reports must be posted by May 31 each year.
- Stormwater Mapping must include: treatment/flow control BMPs, land use for all drainage areas draining to a 24-inch storm line.
- Changes to the IDDE program requirements: allowable discharges (Spa and Hot Tub Discharges with temperature controls), IDDE compliance strategy, updated IDDE ordinance (if applicable), IDDE Program implementation and procedures, IDDE response/follow up timeline.
- The City's site planning process, BMP selection and design criteria must meet the 2012 Ecology Manual requirements OR a program approved by Ecology under the Phase I Permit. The one acre threshold was eliminated; thresholds include replaced hard surfaces; Onsite Stormwater Management (LID) standards (see Appendix 1).
- Increased inspection frequency of all new treatment/flow control and BMPs (every 6 months until 90% of lots are constructed) and catch basin in permanent residential developments. Increased inspection compliance (conducting at least 80% of scheduled inspections).
- Requiring all codes, rules, standards and other enforceable documents must REQUIRE LID principles/BMPs. LID may not be required if the site is unsuitable, then an LID feasibility analysis is required to document code exemption.
- Watershed-scale stormwater planning: The City must select a watershed selected by a Phase I County for watershed-scale stormwater planning to participate in. IF the County selects a watershed that the city is located in, then the city must participate in the watershed planning process.

- Maintenance standards must meet 2012 Ecology Manual standards.
- Increased spot checks (conduct after all major storms), catch basin inspection frequency (every 2 years) and cleaning of the conveyance system.
- Pay-in option or conduct in-house option for: Status and Trends Monitoring, Effectiveness Studies, and Source Identification and Diagnostic Monitoring Information Repository. Pay-in costs for Burien total $31,698 annually.
- Annual reports must be submitted using Ecology's WA WebDMR program and include attachments to support work completed during the reporting period.
- There are no TMDLs applicable to the City of Burien.
- In Appendix 1, the one acre threshold was eliminated from the "regulatory threshold" triggering the regulations to be applied to new development, redevelopment and construction site activities. All minimum requirements apply to projects of 5,000 sqft or greater or new PLUS REPLACED HARD surface area. All minimum requirements apply to projects that convert 3/4 acres or more of vegetation (native vegetation has been eliminated) to lawn or landscaped areas or convert 2.5 acres or more of vegetation to pasture. Minimum requirements #1 - #5 apply to projects that result in 2,000 sqft or greater of new plus replaced HARD surface area. All new development and redevelopment projects regardless of size must comply with minimum requirement #2.
- Appendix 1: Note that the elimination of the 1 acre threshold might not be significant depending on the City's current code. The current permit allowed Phase II jurisdictions to only regulate projects over 1 acre, unless they were already regulating lower – anti-backsliding. This change will depend on how the current code is written.
- In Appendix 1, the other major change is the LID performance standard. If the jurisdiction is currently using the King County Manual, they may already be requiring "flow control BMPs", which "onsite stormwater management measures". A change is that the City may be required to do more from the mandatory list and/or meet the performance standard.

Detailed Summary on New Activities and Changes in the Permit

Below is a summary of the new activities and changes in the Permit by major element.

Public Education and Outreach

- Focus education and outreach efforts on prioritized target audience, <u>including school aged children</u>.
- General public, business education program should include the subject area for <u>BMPs for equipment maintenance</u>.
- Homeowners, landscapers, and property managers' education program should include <u>LID principles and BMPs, Stormwater facility maintenance and dumpster maintenance for property owners.</u>
- Create a stewardship opportunities and/or build on existing organizations to encourage residents to participate in activities.

- Public education requirements for measuring behaviors and implementing programs can be done locally or as a member of a regional group.

Public Involvement and Participation

- Ongoing opportunities for public involvement and participation shall include public hearings.
- The annual report must be posted on the jurisdiction's website no later than May 31 each year.

IDDE

- Stormwater treatment and flow control BMPs/facilities must be mapped. The City may rely on permanent stormwater control plans for mapping of LID BMPs.
- Land use must be mapped for all drainage areas going to a 24-inch diameter conveyance line.
- New conditionally allowable discharge: Spa and Hot Tub Discharges. All discharges shall be thermally controlled to prevent an increase in temperature of the receiving waters.
- The City's IDDE compliance strategy should include the applicable of operational and/or structural source control BMPs for pollutant generating sources associated with existing land uses and activities. The strategy shall also include maintenance of permanent stormwater treatment facilities and catch basins.
- Update IDDE ordinance as needed to meet new requirements.
- IDDE Program implementation and procedures: 1) Develop procedures for conducting investigations for the purpose of detecting illicit discharges and illicit connections (include field screenings and methods of identifying potential sources). 2) Implement a field screening methodology appropriate to the characteristics of the water quality concern. 3) Prioritize conveyances and outfalls and complete field screening for at least 40% of the system.
- IDDE Response/Follow up Timeline: Immediate response, Investigate within 7 days and Report within 21 days.

Controlling Runoff from New Development, Redevelopment and Construction Sites

- The City's site planning process, BMP selection and design criteria must meet the 2012 Ecology Manual requirements OR a program approved by Ecology under the Phase I Permit. The one acre threshold was eliminated; thresholds include replaced hard surfaces; Onsite Stormwater Management (LID) standards (see Appendix 1).
- The City must have the legal authority to inspect and enforce the maintenance standards for all private stormwater facilities.
- Inspect all new stormwater treatment and flow control BMPs/facilities and catch basins for permanent residential developments every 6 months until 90% of lots are constructed to identify maintenance needs and enforce compliance of maintenance standards.
- Inspection compliance is achieved by conducting at least 80% of scheduled inspections.
- LID Code related requirements: All codes, rules, standards and other enforceable documents must be reviewed and revised to incorporate and REQUIRE LID principles and LID BMPs. The City must conduct and review and revision process and report the results to Ecology.

- LID amendments must include: measures to minimize impervious surfaces, measures to minimize loss of native vegetation, and measures to minimize stormwater runoff.
- Watershed-scale stormwater planning: The City must select a watershed selected by a Phase I County for watershed-scale stormwater planning to participate in. IF the County selects a watershed that the city is located in, then the city must participate in the watershed planning process.

Municipal Operation and Maintenance (new title)

- The City must implement maintenance standards specified in the 2012 Ecology Manual.
- Spot checks after all major storm events are required for permanent stormwater treatment and flow control BMPs/facilities.
- Catch basin inspection schedule of every 2 years may be changed as appropriate to meet the maintenance standards based on maintenance records of double the length of time of the proposed inspection frequency. Catch basin inspections at least once every two years is required.
- The City may clean the entire MS4 within a circuit, including, including all conveyances and catch basins, once during the permit term.
- Implement practices, policies and procedures to reduce stormwater impacts associated with runoff from all lands.

Monitoring

- Status and Trends Monitoring: Notify Ecology in writing of the chosen option.
    - Option 1: Pay into a collective fund that will cost Burien $11,238 annually.
    - Option 2: Conduct in house monitoring sites will be selected for the Ecology-approved QAPP; If the QAPP lists a potential sampling location within Burien, then the City can monitor the site through option 2. If a site is not selected in the jurisdiction, therefore this may not be a viable.
- Effectiveness Studies: Notify Ecology in writing of the chosen option.
    - Option 1: Pay into a collective fund that will cost Burien $18,724 annually.
    - Option 2: Conduct in house
- Source Identification and Diagnostic Monitoring Information Repository: Notify Ecology in writing of the chosen option.
    - Option 1: Pay into a collective fund that will cost Burien $1,736 annually
    - Option 2: Conduct in house

Reporting

- Annual Reports must be posted by May 31 each year.
- Submit annual reports electronically using Ecology's WA WebDMR program available on Ecology's website.

- Include attachments to the annual report including summaries, descriptions, reports and other information as required, or as applicable, to meet the requirement of the permit during the reporting period.

TMDLs
- The City of Burien has no TMDL requirements.

Appendix 1
*In all sections the 2005 Ecology Manual was replaced with the 2012 Ecology Manual.

Section 1: Exemptions
- Road Maintenance: Exemptions for road maintenance apply to both new or redevelopment projects.

Section 2: Definitions
- Some definitions were updated and definitions were added for Bioretention BMPs, Converted Pervious Surface, Erodible or Leachable Materials, Hard Surface, Low Impact Development, LID Best Management Practices, LID Principles, Permeable Pavement, Pervious Surface, Pollution-generating hard surface (PGHS), and Rain garden.
- Hard surface replaces impervious surfaces through the document. Hard surfaces are defined as: An impervious surface, a permeable pavement, or a green roof.

Section 3: Applicable of the Minimum Requirements (M.R.)
- The one acre threshold was eliminated from the "regulatory threshold" triggering the regulations to be applied to new development, redevelopment and construction site activities. All minimum requirements apply to projects of 5,000 sqft or greater or new PLUS REPLACED HARD surface area. All minimum requirements apply to projects that convert 3/4 acres or more of vegetation (native vegetation has been eliminated) to lawn or landscaped areas or convert 2.5 acres or more of vegetation to pasture. Minimum requirements #1 - #5 apply to projects that result in 2,000 sqft or greater of new plus replaced HARD surface area.
- All new development and redevelopment projects regardless of size must comply with minimum requirement #2.

Section 4: Minimum Requirements
- M.R. #1: Stormwater Site plan shall use site- appropriate development principles to retain native vegetation and minimize impervious surfaces to the extent feasible.
- M.R. #2: Two things have been removed from this requirement. 1) Permittees may not longer choose to allow site operators to apply an "Erosivity Waiver." 2) Permittees may no longer develop an abbreviated SWPPP. SWPPPs are required for all projects which result in 2000 sqft or more of new replaced hard surface area or which disturb 7000 sqft or more. Projects below

these thresholds can prepare Construction SWPPPs. Guidance on the content of the SWPPP document was updated. See section for further detail.

- M.R. #5: New project thresholds detailed further in this section, including the requirement for LID Development Performance Standards and BMP T5.12 or the Mandatory List for LID Performance Standards (provided in text – see text for me details).
- M.R. #8: Projects within the drainage area of a wetland shall comply with Guide Sheets #1 through #1 in Appendix I-D of the 2012 Ecology Manual.

<u>NEW Section 8: Feasibility Criteria for Selected Low Impact Development Best Management Practices</u>

- This is a new section to Appendix 1 that requires feasibility criteria for Site/Engineering-based Conditions, Bioretention BMPs and Rain Gardens, Permeable Pavements, and Vegetated Roofs. This section also addresses competing needs for on-site stormwater management requirements with public health and safety standards etc.

Appendix 3-2: Existing and Future Program Analysis

CITY OF BURIEN

Stormwater Management Program Gap Analysis

June 2012

CITY OF BURIEN

Stormwater Management Program Gap Analysis

June 2012

Stormwater Management Program Element	Existing SWM Program			Future SWM Program		
	Staff FTE	Staff Cost ($)	Expense Cost ($)	Staff FTE	Staff Cost ($)	Expense Cost ($)
SWMP Element #1 - Public Education and Outreach	0.10	$8,600	$10,000	0.15	$13,000	$15,000
SWMP Element #2 - Public Involvement and Participation	0.05	$7,800	$0	0.05	$5,000	$0
SWMP Element #3 - Illicit Discharge Detection and Elimination	0.50	$43,200	$42,700	0.60	$50,000	$30,000
SWMP Element #4 - Controlling Runoff from New Development, Redevelopment, and Construction Sites	0.50	$53,700	$7,700	1.30	$109,000	$25,000
SWMP Element #5 - Pollution Prevention and Operation and Maintenance for Municipal Operations	6.40	$412,900	$520,700	7.30	$608,000	$503,000
SWMP Element #6 - Program Implementation	0.00	$0	$0	0.05	$4,200	$30,000
SWMP Element #7 - Total Maximum Daily Load Allocations	N/A	N/A	N/A	N/A	N/A	N/A
SWMP Element #8 - Monitoring	0.00	$0	$0	0.05	$4,200	$32,500
SWMP Element #9 - Reporting	0.05	$5,400	$10,000	0.05	$5,000	$5,000
SWMP Element #10 - Regional Watershed Planning and ESA	0.05	$5,400	$76,000	0.10	$9,000	$76,000
SWMP Element #11 - Underground Injection Control Rule	N/A	N/A	N/A	0.00	$0	$0.00
SWMP Element #12 - Capital Improvement Program	0.40	$52,900	See CIP	0.60	$50,000	See CIP
SWMP Element #13 - Additional Activities	0.70	$70,400	$284,100	1.00	$84,000	$365,000
TOTAL	**8.75**	**$660,000**	**$951,000**	**11.25**	**$942,000**	**$1,082,000**
GRAND TOTAL	$1,611,000			$2,024,000		
	Future Funding Gap		$413,000			

CITY OF BURIEN

Stormwater Management Program Gap Analysis

June 2012

	Requirements			Existing SWM Program Activities (2011)				Future SWM Program Activities (Average Annual 2013-17)				
	Stormwater Program Element	Activities/BMPs Needed for Regulatory Compliance (includes new DRAFT NPDES Phase II Permit activities/BMPs in red)	Permit Milestone Date (New Draft Permit in red)	2011 Current Activities	Staff FTE	Staff Cost ($)	Expense ($)	Future Activities	Staff FTE	Staff Cost ($)	Expense ($)	Comments
SWMP Element #1 - Public Education and Outreach												
S5.C.1.a	**1.1 Outreach to Target Audiences**	Begin implementing or participating in an education and outreach program. Prioritize target audiences and subject areas: -General Public about stormwater basics; -Businesses about chemical use/storage and illicit discharges; -Homeowners/Landscapers/Property Managers about yard care, fertilizers, carpet cleaning, auto maintenance, LID and pond maintenance; -Development Community about flow control, stormwater treatment, LID, and erosion control. -Focus education and outreach efforts on prioritized target audiences, including school aged children. -General public, business education program should include the subject area for BMPs for equipment maintenance. -Homeowners, landscapers, and property managers' education program should include LID principles and BMPs, stormwater facility maintenance and dumpster maintenance for property owners. -Create a stewardship opportunity and/or build on existing organizations to encourage residents to participate in activities.	Begin By Year 2 (2/15/2009) Start in New Permit Term	The City has public education programs with the Environmental Science Center. The City has a storm drain stenciling program. The City participates in the Miller and Walker Creek Basin Stewardship program. The City makes an Erosion and Sediment Control (ESC) brochure available for small construction sites. The City distributes Low Impact Development (LID) information to target audiences. The City posted on their website educational information regarding allowable and prohibited discharge information. The City has posted on their website educational materials on residential car wash and the impacts to stormwater. The City has included a link to the "Puget Sound Starts Here" information on the City's website. The City posts all education workshop information on the City's website, as needed. City staff actively participate in the STORM Group (the Regional NPDES Education and Outreach Forum) and the *Puget Sound Starts Here* campaign. The City sponsored an LID workshop.			$5,000	Continue current practice. Continue current practice. Continue current practice. Continue current practice. Continue current practice. Continue current practice. Continue current practice. Continue current practice. Continue current practice. Continue current practice. Continue current practice. In 2012, the City plans to start a Business public education program with ECOSS for car care busineses and restaurants. The City will need to focus education and outreach efforts on prioritized target audiences, including school aged kids.	Add 100 staff hours		$10,000	See Element 3.4 for further public education information through the King County Water Quality Audit Program. $5,000 is allocated for the "Surface Water Management" expenditure line item for the 2011 budget. Increase the annual expense budget to $10,000 allocated for the education and outreach program to cover new target audiences.
S5.C.1.b	**1.2 Measure Results of the Educational Activities**	Begin participating in an effort to measure understanding and adoption of the targeted behaviors for at least one targeted audience in at least one subject area. Public education requirements for measuring behaviors and implementing programs can be done locally or as a member of a regional group. No later than February 2, 2015, Each Permittee shall begin measureing the understanding and adoption of the targeted behaviors for at least one new targeted audience in at least one new subject area. No later than February 2, 2016, The resulting measurements shall be used 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.	Begin By Year 2 (2/15/2009) No later than 2/2/2015, 2/2/2016	The City conducted an initial survey of stormwater understanding among residents. The City currently contracts with the Environmental Science Center to conduct and measure educational activities.			$5,000	Conduct a follow up survey to measure the stormwater understanding among residents. In the next Permit Cycle the City may choose to participate in a regional group for conducting educational surveys.			$5,000	$5,000 is allocated for the "Surface Water Management" expenditure line item of the 2011 budget. Continue funding education program evaluation at $5,000 per year.
S5.C.1.c	**1.3 Maintain Records**	Track and maintain records of public education and outreach activities.	Required to Begin By Year 2 (2/15/2009) Continue in New Permit Term	The City records all public education and outreach activities via CityWorks Asset Management system and Excel spreadsheets.				Continue current practice.				
	Total -Element #1				0.10	$8,647	$10,000		0.15	$13,000	$15,000	Increase to 0.15 FTE to participate in the educational components of KC Water Quality Audit Program's business outreach program and working with new target audiences.
SWMP Element #2 - Public Involvement and Participation												
S5.C.2.a	**2.1 Input to SWMP**	Create on-going opportunities for public to participate in decision-making processes involving the development, implementation and update of the SWMP. Create ongoing opportunities for public involvement and participation including public hearings.	Year 1 (2/15/2008) Continue in New Permit Term	The City has an Advisory Committee (AC) formed to participate in the development of the Drainage Master Plan (DMP). The City also hold Public Hearings for Stormwater related topics. The Advisory Committee meetings will be the main mechanism for soliciting public comments on the Drainage Master Plan.				Continue current practice until DMP is completed.				The following City staff are involved with the Public Involvement and Participation element of the SWM Program: the Public Works Director, SWM Engineer, SWM Technician and the City Manager.
S5.C.2.b	**2.2 Availability of Stormwater Program Documents**	Make the SWMP and the Annual Report available to the public by posting on the City Website. The Annual Report must be posted on the jurisdiction's website no later than May 31 each year.	March 31 Each Year, May 31 Each Year	The City has posted the City's the latest version of the SWMP on the City website. The City accepts and reviews public comments on the SWMP. The City posts the prior year annual report on the website as it is developed. The City makes stormwater related documents available at the front desk at City Hall upon request.				Continue current practice. Continue current practice. Continue current practice.				
	Total -Element #2				0.05	$7,848	$0.00		0.05	$5,000	$0.00	0.05 FTE is for the Public Works Director to work with the AC on the development of the DMP or other assigned staff to work on the future SWM Program implementation.

	Requirements			Existing SWM Program Activities (2011)				Future SWM Program Activities (Average Annual 2013-17)				
	Stormwater Program Element	Activities/BMPs Needed for Regulatory Compliance (includes new DRAFT NPDES Phase II Permit activities/BMPs in red)	Permit Milestone Date (New Draft Permit in red)	2011 Current Activities	Staff FTE	Staff Cost ($)	Expense ($)	Future Activities	Staff FTE	Staff Cost ($)	Expense ($)	Comments
SWMP Element #3 - Illicit Discharge Detection and Elimination												
S5.C.3.a	**3.1 Storm Sewer System Map**	Develop a municipal storm sewer system map of: -All storm sewer outfalls (including tributary areas and land use); -Receiving waters; -Structural stormwater facilities; -Connection points authorized during permit term; -Areas not draining to surface water. -Stormwater treatment and flow control BMPs/facilities must be mapped. -The City may rely on permanent stormwater controls plans for mapping of LID BMPs. -Land use must be mapped for all drainage areas going to a 24-inch diameter conveyance line.	Year 4 (2/15/2011), Continue in New Permit Term	The City has updated their GIS stormwater map using existing as-built drawings and from new/re-development project that have either privately and publicly owned stormwater facilities. All stormwater system data is available in a GIS format and is maintained by the GIS and IT Department, and by the SWM Technician.			$15,000	Update mapping to meet the new permit requirements including mapping all stormwater treatment and flow control BMPs/facilities. Map all land uses for drainage areas going to a 24-inch diameter conveyance line.			$15,000	$15,000 is allocated for the "GIS Plan Implementation" expenditure line item of the 2011 budget. Maintain current budge for ongoing stormwater system mapping.
				The GIS Stormwater Map is available on the City's website and upon request from the public.				Continue current practice				
S5.C.3.b	**3.2 Illicit Discharge Ordinance**	Develop and implement an ordinance prohibiting non-stormwater discharge to the MS4. The ordinance should cover: -Potable water flushing; -Lawn and landscape irrigation runoff; -Swimming pool discharges; -Street and sidewalk wash water; -Other non-stormwater discharge. Include enforcement procedures in the ordinance and develop an enforcement strategy. -Update IDDE ordinance to include a new conditionally discharge: Spa and Hot Tub Discharges. All spa and hot tub discharges shall be thermally controlled to prevent an increase in temperature in receiving waters. -Update the IDDE Ordinance as needed to meet all new requirements in the Permit.	Year 2.5 (8/15/2009) Update in New Permit Term	The City has adopted an ordinance to address Illicit Connections and Illicit Discharge Detection and Elimination (Burien Municipal Code Chapter 13). The ordinance includes a list of allowable and prohibited discharges to the City's drainage system or streams. The City has developed an enforcement strategy and the SWM ordinance including escalating enforcement procedures and actions. The Code Enforcement group is responsible for all IDDE Code Enforcement activities.								The City is already meeting the new Permit requirements for their IDDE Ordianance because the City adopted the KC SPPM, which addreses conditions discharges for Spas and Hot Tubs.
S5.C.3 & S5.C.3.c	**3.3 Detection and Elimination Program**	Develop and implement program to detect and address non-stormwater discharges, including spills and illicit connections.	Permit End (8/19/2011), Start in New Permit Term	See individual program activities below.				See individual program activities below.				
		Develop procedures for: -Locating priority areas based on land use, previous complaints, and storage practices; -Field assessment during dry weather of outfalls in 3 priority receiving waters; Once a problem is reported or identified: -Characterizing nature and potential threat of illicit discharges; -Tracing the source of illicit discharge; -Notifying property owners; -Removing the source and conducting follow-up inspections. The City's IDDE compliance strategy should include the applicable operational and/or structural source control BMPs for pollutant generating sources associated with existing land uses and activities. The strategy shall also include maintenance of permanent stormwater treatment facilities and catch basins.	Permit End (8/19/2011), Start in New Permit Term	The City has an IDDE program in place. The City does not have a formal IDDE procedures manual or forms they use for tracking of the IDDE Program. This is on the City's work plan for NPDES Permit Compliance related items. The City pays King County on an hourly basis to conduct a "Water Quality Audit" program that performs visits to commercial businesses to provide education on illicit discharge (City pays for up to 300 hours a year). County looks for problems and begins corrective action process - sends letters, follow-up etc. Ongoing problems are referred to the City for fines/enforcement.			$25,000	The City shall develop a formal IDDE procedures manual with tracking forms and standard operating procedures. Update the City's IDDE program compliance strategy to include applicable operational and/or structural source control BMPs for pollutant generating sources associated with existing land uses and activities. The strategy shall also include maintenance of permanent stormwater treatment facilities and catch basins. IDDE Program manual shall include procedures for: 1) conducting investigations for the purpose of detecting illicit discharges and illicit connections. 2) characterizing the nature of identified problems. 3) tracing the source of illicit discharges. 4) Removing the source and conducting follow-up inspections.	Add 200 staff hours		$10,000	$25,000 is allocated for the "Swm Billed By Swm Dept" expenditure line item of the 2011 budget to cover the County's Water Quality Audit Program. The City anticipates moving this program in-house. Allocate an additional 200 staff hours/year to implement the program. Retain $10,000/year for external clean-up and enforcement activities. See Element 6.1 for developing the written documentation of the IDDE program and Standard Operating Procedures for identifying, tracking, reporting, and resolving IDDE problems.
		Field Assessments of three high priority receiving waters by Year 4 and one high priority receiving water each year after. Prioritize conveyances and outfalls. Complete field screenings of at least 40% of the City's conveyances and outfalls.	Year 4 (2/15/2011), Annually After Year 5 (2/15/2012), Start in New Permit Term	The City has prioritized receiving waters for visual inspection. The evaluation was based on the sub basins delineated by King County and the City, which are, Miller Creek basin, Walker Creek basin, Salmon Creek basin and the Puget Sound sub basin. City staff performs the dry weather outfall inspections for the City for approximately 1 site per year.			See above.	Complete field screenings of at least 40% of the conveyances and outfalls.	See Element 5.4.	See Element 5.4.	See Element 5.4.	Significant increase in staff effort is needed under proposed permit. Previous requirement only required screening of outfalls. New requirement will require screening 40% of all elements within the City's conveyances and outfalls. These screenings will be conducted under Element 5.4 Catch Basin Inspection.
		Characterization, source tracing (includes visual inspections, and when necessary opening manholes, using mobile cameras, collecting and anlaysizing water samples, and/or other detailed inspection procedures) and removal.	As needed, As needed in New Permit Term	Conducted by King County as needed under Water Quality Audit Program.			See above.	Continue to characterize discharges, trace sources, and remove IDDE threats.			See Element 6.1 and activities above	Source Tracing includes visual inspections, and when necessary opening manholes, using mobile cameras, collecting and anlaysizing water samples, and/or other detailed inspection procedures. See Element 6.1 for developing the written documentation of the IDDE program and Standard Operating Procedures for identifying, tracking, reporting, and resolving IDDE problems.

	Requirements			Existing SWM Program Activities (2011)				Future SWM Program Activities (Average Annual 2013-17)				
	Stormwater Program Element	**Activities/BMPs Needed for Regulatory Compliance (includes new DRAFT NPDES Phase II Permit activities/BMPs in red)**	**Permit Milestone Date (New Draft Permit in red)**	**2011 Current Activities**	**Staff FTE**	**Staff Cost ($)**	**Expense ($)**	**Future Activities**	**Staff FTE**	**Staff Cost ($)**	**Expense ($)**	**Comments**
S5.C.3.d	**3.4 Public Education and Spill Reporting**	Inform public employees, businesses, and general public of hazards associated with illegal discharges.	Permit End (8/19/2011), Continue in New Permit Term	The City utilizes the Water Quality Audit program assisted by King County to provide public education on the IDDE program.				Continue current practice				
		Publicize a hotline for public reporting of spills and illicit discharges.	Year 2 (2/15/2009), Continue in New Permit Term	The City has established a hotline number to report spills and illicit discharges. The City publicizes the hotline on their website.				Continue current practice				
		Keep records of calls and follow-up actions taken. Include the new IDDE Response/Follow Up Timeline in the new IDDE procedures.	Year 2 (2/15/2009), Continue in New Permit Term	The City first responds to spill and King County conducts secondary response to spills.				Continue current practice. Include new IDDE response/follow up timeline in the new IDDE procedures.				
S5.C.3.e	**3.5 Program Evaluation and Tracking**	Track number and type of illicit discharges, including spills, identified and inspections made.	Permit End (8/19/2011), Continue in New Permit Term	The City keeps records of drainage complaints, spills and IC/IDDE in a program called "CityWorks" is an asset management software program. This program is integrated with GIS. City uses it for SWM Program items only (mapping, IDDE, problem area identification, maintenance).				Continue current practice				
		Track feedback from public education efforts.	Permit End (8/19/2011), Continue in New Permit Term	In place through web link on the City's website.				Continue current practice				
S5.C.3.f	**3.6 Staff Training**	Train responsible staff on illicit discharge identification, investigation, clean-up, and reporting.	Year 2.5 (8/15/2009), Continue in New Permit Term	The City has provided IC/IDDE trainings to City staff for IC/IDDE on identification and reporting on the illicit discharges.			$2,667	Train staff upon development of the IDDE Procedures Manual.			$5,000	1/3 of the $8,000 staff training budget is allocated for the "Registration - Training/workshop" expenditure line item of the 2011 budget. Provide training to the SWM Tech, ROW Inspectors, Maintenance Crews and SWM Engineers/Technicians. Continue trainings in the New Permit Term.
		Ongoing training for all municipal field staff and other appropriate staff on identification and reporting.	Year 3 (2/15/2010), Continue in New Permit Term	The City has provided training to all staff on IDDE.				Train new and existing staff as needed.				
		Document and maintain records of training.	Year 2.5 (8/15/2009), Continue in New Permit Term	The City maintains records of training activities.				Continue current practice.				
Total -Element #3					0.50	$43,236	$42,667		0.60	$50,000	$30,000	Existing 0.50 FTE is for the SWM Engineering Tech allocated to IDDE related activities (0.4 FTE) and working with KC on the Water Quality Audit Program (0.1 FTE under Element 1.1), plus 0.1 FTE working on GIS Mapping with IT staff. Increase the required staff time as noted above.
SWMP Element #4 - Controlling Runoff from New Development, Redevelopment, and Construction Sites												
S5.C.4.a	**4.1 Stormwater Runoff Control Ordinance**	Adopt an ordinance to address runoff from new development, redevelopment, and construction site projects disturbing 1 or more acre. The ordinance should include: -Minimum technical requirements equivalent to the 2005 Ecology Manual; -Legal authority for inspection of private facilities; -Provisions to allow LID techniques.	Year 3 (2/16/2010), Adopt by Ordinance by 12/31/2015	In 2009, the City adopted the 2009 King County Surface Water Design Manual (KCSWDM) through ordinance (BMC Chapter 13) to address runoff from new development, redevelopment, and construction site activities. The Ordinance includes the minimum requirements, technical thresholds, and definitions in Appendix 1 for new development, redevelopment and construction site activities. The adopted ordinance and the 2009 KCSWDM include a site planning process, BMP selection, and design criteria that reduce the discharge of pollutions to the maximum extent practicable. The ordinance allows non-structural preventive actions and source reduction approaches, such as LID Techniques, to minimize the creation of impervious surface and the disturbance of native soils and vegetation.				Update the City's stormwater runoff control ordinance to adopt the 2012 Ecology Manual or an equivalent approved Manual (expected to be 2012 KCSWD). Work with the Planning Department to adopt/revise codes, rules, standards and other enforceable documents as necessary to require LID principles and LID BMPs. This will require the City to conduct and review the revision process for LID code writing/implementation etc and report the results to Ecology.	Add 200 staff hours		$15,000	The City shall include the Planning Department for adopting LID regulations (for subdivisions, permitting etc.). The City may need a feasibility study in applying LID in Burien that identifies areas of steep slopes, critical recharges areas, soils mapping (infiltration capacities identified), etc.). Add 200 staff hours and $15,000 in consultant support to adopt new King County Manual and LID regulations.
		The City's site plan process, BMP selection and design criteria must meet the 2012 Ecology Manual requirements or an approved equivalent Manual. The one acre threshold has been eliminated. Enhanced emphasis on Onsite Stormwater Management (LID) standards. All codes, rules, standards, and other enforceable documents must be reviewed and revised to incorporate and require LID principles and LID BMPs. LID amendments must include: measures to minimize impervious surfaces, measures to minimize loss of native vegetation, and measures to minimize stormwater runoff.	Adopt LID Codes by 12/31/2016									
S5.C.4.b	**4.2 Site Plan Review and Inspection**	Develop a permitting process with plan review, inspection, and enforcement for public and private projects that disturb one acre of land or greater. -Review all stormwater site plans; -Inspect high risk sites prior to clearing and construction; -Inspect all sites during and after construction; Verify all sites have a maintenance plan in place and maintenance responsibility has been assigned; -Implement an enforcement strategy. -Compliance = 80% of scheduled inspections. -Develop a permitting process with plan review, inspection, and enforcement to ensure that the ordinance guidelines meeting the 2012 Ecology Manual requirements.	Year 3 (2/16/2010), Start in New Permit Term	The City has applied the Technical Thresholds in Appendix 1 to all sites one acre or greater, including projects less than one acre that are a part of a larger common plan of development or sale. The City has also applied the permitting process to all sites that disturb a land area of one acre or greater, including projects less than one acres that are part of a larger common plan of the development or sale.				Additional staff time to review projects for compliance with 2012 Ecology Manual requirements. The City currently has smaller review thresholds then required by the Permit as decribed in BMC 13.10.130. Drainage review is required for projects that are subject to a City permit.	Add 800 staff hours			Additional staff time (approx 800 hours/year) will be required for the permitting process as new requirements are implemented. Reminder: Ecology eliminated the 1 acre threshold for the new Permit. The City now requires projects that add 500 sqft or of new impervious area be routed to the Public Works department for draiange review.

Requirements				Existing SWM Program Activities (2011)				Future SWM Program Activities (Average Annual 2013-17)				
	Stormwater Program Element	Activities/BMPs Needed for Regulatory Compliance (includes new DRAFT NPDES Phase II Permit activities/BMPs in red)	Permit Milestone Date (New Draft Permit in red)	2011 Current Activities	Staff FTE	Staff Cost ($)	Expense ($)	Future Activities	Staff FTE	Staff Cost ($)	Expense ($)	Comments
S5.C.4.c	4.3 Long Term Operation and Maintenance	Adopt an ordinance requiring inspection and maintenance of stormwater facilities and establishing enforcement procedures. The City is required to have the legal authority to inspect and enforce the maintenance standards for all private stormwater facilities.	Year 3 (2/16/2010), Implement by 12/31/2015	The City has adopted an ordinance that provides the legal authority through the approval process for new development, to inspect private stormwater facilities that discharge to the City. The City has conducted site inspection (ESC) for single family residential (SFR) homes. The Building Department is responsible for the inspections of SFRs.				Obtain a convenant or easement for future private facility maintenance activities/inspections				
		Adopt maintenance standards for facilities consistent with the 2005 Ecology Manual. Adopt maintenance standards for facilities consistent with the 2012 Ecology Manual.	Year 3 (2/16/2010), Implement by 12/31/2015	The City has adopted the 2009 KCSWDM includes stormwater maintenance standards and requirements that are equivalent to the Washington State Department of Ecology's 2005 Stormwater Manual.				Adopt maintenance standards consistent with the 2012 Ecology Manual.	See Element 4.1			The City will coordinate with King County to ensure the maintenance starndards are consistent with the 2012 Ecology Manual. Staff time included in Element 4.1.
		Inspect new treatment and flow control facilities annually. Inspect all new stormwater treatment and flow control BMPs/facilities and catch basins for permanent residential developments every 6 months until 90% of lots are constructed to identify maintenance needs and enforce compliance of maintenance standards. Inspection compliance is achieved by conducting at least 80% of scheduled inspections.	Year 3 (2/16/2010), Implement by 12/31/2015	The City has conducted site inspections for new development and redevelopment projects that disturb a land area of one acre or greater, including project less than one acre that area part of a larger common plan of the development. The City contracts with King County to annually inspect all stormwater treatment and flow control facilities (other than catch basins) permitted by the City.			See Element 5.2	Ensure the City has the proper legal authority to enforce the maintenance standards for all private stormwater facilities. Inspect all new stormwater treatment and flow control BMPs/facilities and catch basin for permanent residential developments every 6 months until 90% of lots are constructed to identify maintenance needs and enforce compliance of maintenance standards. Inspections compliance is achieved by conducting at least 80% of scheduled inspections.	Add 500 staff hours		See Element 5.2 and 6.1	See Element 6.1 for the expense to develop a Private Facility Inspection and Maintenance Program. Add 500 staff hours/year to implement the Private Facility Inspection program.
		For new residential developments that are part of a larger common plan of development, inspect new water quality and flow control facilities every six months during building construction.	Year 3 (2/16/2010), Implement by 12/31/2015	The City has inspected new stormwater treatment and flow control facilities privately owned or operated to identify maintenance needs and enforce compliance with maintenance standards as needed.								
S5.C.4.d	4.4. Permit Tracking and Inspection Records	Keep records of all inspections, enforcement actions, maintenance activities, and construction sites.	Year 3 (2/16/2010), Continue in New Permit Term	The City purchased City works, a Stormwater Asset Management system. The City is using the system to keep records of drainage inspections and maintenance, create work tickets, and to track cost and time. The City has reviewed and maintained the review records of Stormwater Site Plans for new development and redevelopment projects. The City has also inspected and maintained the inspection records, prior to clearing and construction, of all known development sites that have a high potential for sediment transport as determined through plan review. The City has also implemented a procedure for keeping inspection records and enforcement actions by staff, including inspection reports, warning letters, notices of violations, and other enforcement records, maintenance inspections and maintenance activities. "City View" software program is used to track permit status, development review, comments, construction site inspections, etc - links to "MyBuildingPermit.com."			$5,000	Continue current practice.			$5,000	$5,000 is allocated for the "Computer Consultand Pro Services"expenditure line item of the 2011 budget, which includes the purchase and mainteannce of the City Works software. Computer supoprt is an ongoing expense to the stormwater program.
S5.C.4.e	4.5 NOI for Construction Activity	Make copies of the "Notice of Intent for Construction Activity" and/or "Notice of Intent for Industrial Activity" available to developers.	Immediately (2/16/2007), Continue in New Permit Term	The City has provided copies of the "Notice of Intent for Construction Activity" and "Notice of Intent for Industrial Activity" to developers of proposed new development and redevelopment. sites				Continue current practice.				The Erosion and Sediment Control (ESC) brochure for small project site has been created and is available to the public. The Small Project Drainage Requirement brochure has been created and is available to the public. (Source: 2011 SWMP)
S5.C.4.f	4.6 Staff Training	Conduct training for staff in permitting, plan review, construction site inspection, and enforcement concerning the Stormwater Runoff Control program (Element 4.1). Maintain records of training.	Year 3 (2/16/2010), Train staff after new stormwater runoff control is adopted	The City has provided training to City staff who are responsible for implementing the program to control runoff from new development, redevelopment, and construction sites, including permitting, plan review, construction site inspection, and enforcement. The City has provided certified Erosion and Sediment Control (ESC) training to relevant City staff.			$2,667	Train staff on the new 2012 Ecology Manual and the updated stormwater runoff control ordinance.	Add 100 staff hours		$5,000	1/3 of the $8,000 staff training budget is allocated for the "Registration - Training/workshop" expenditure line item of the 2011 budget. Increase training budget to $5,000 annually to train new staff as needed and current staff on the new stormwater control ordinance and 2012 Ecology Manual. Assume 2 staff attend up to one week of training each per year.
				The City maintains records of training activities.				Continue current practice.				
S5.4.h	4.7 Watershed-Scale Stormwater Planning	City must participate in watershed-scale stormwater planning as initiated by the King County. (The County is required to select one watershed for stormwater planning.)	Start in New Permit Term	Not Applicable.				Continue participation in watershed planning for Miller-Walker Watershed as intiated by King County.			See Element 10	See Element 10 for Watershed Planning.
Total -Element #4					0.50	$53,713	$7,667		1.30	$109,000	$25,000	0.50 FTE is for a portion of the CIP Engineers allocated to stormwater development review for the existing SWM Program. Increased staff time as noted above.

	Requirements			Existing SWM Program Activities (2011)				Future SWM Program Activities (Average Annual 2013-17)				
	Stormwater Program Element	**Activities/BMPs Needed for Regulatory Compliance (includes new DRAFT NPDES Phase II Permit activities/BMPs in red)**	**Permit Milestone Date (New Draft Permit in red)**	**2011 Current Activities**	**Staff FTE**	**Staff Cost ($)**	**Expense ($)**	**Future Activities**	**Staff FTE**	**Staff Cost ($)**	**Expense ($)**	**Comments**
SWMP Element #5 - Pollution Prevention and Operation and Maintenance for Municipal Operations												
S5.C.5.a	**5.1 Adopt Maintenance Standards**	Adopt maintenance standards consistent with the 2005 Ecology Manual. Adopt maintenance standards consistent with the 2012 Ecology Manual.	Year 3 (2/16/2010), Adopt maintenance standards by 12/31/2015	The City adopted the 2009 KCSWDM in February of 2010, which includes the maintenance standard and requirements of drainage structures such as flow control, conveyance, and water quality. The City also adopted the 2009 Stormwater Pollution Prevention Manual (KCSPPM) in August of 2009, which include s Best Management Practices (BMPs) for Commercial, Multi-Family and Residential Properties.				Adopt and implement maintenance standards consistent with the the 2012 Ecology Manual.			See Element 6.1	Adopting the updated King County Manual (Element 4.1) should cover this requirement. Staff may need additional training (Element 5.7) to implement the revised maintenance standards. See Element 6.1 for developing the written documentation of the maintenance standards and implementation plan.
S5.C.5.b	**5.2 Annual Inspections of Water Quality and Flow Control Facilities**	Conduct annual inspections of City owned stormwater treatment and flow control facilities; Perform necessary maintenance actions. Compliance = 95% of scheduled inspections.	Annually Starting in Year 3 (2/15/2010), Continue in New Permit Term	The City inspects City-owned water quality and flow control facilities on an annual basis. The City also conducted site inspections for City-owned new drainage facilities, and documents and maintains all records.			$125,000	Continue current practice.	Add 250 staff hours		$75,000	$75,000 is allocated for the "Repairs And Maintenance" expenditure line item of the 2011 budget. $50,000 is allocated for the "Swm Billed By Swm Dept" expenditure line item of the 2011 budget, which covers the County's inspection of stormwater facilities. The City would like to take on inspections internally, replacing the expense to King County with 150 internal staff hours for inspections (2 people inspecting 8 facilities/day) and 100 staff hours for program management. Retain the $75K Repair and Maintenance budget for facility maintenance identified during the inspections. See Element 6.1 for developing the written documentation of the maintenance standards and implementation plan.
S5.C.5.c	**5.3 Spot Checks after Storm Events**	Spot check stormwater treatment and flow control facilities after major storm events (>10-year recurrence interval or *approximately 3.0 inches in 24 hours for Burien*); Conduct repairs as necessary. Spot checks after all storm events are required for permanent stormwater treatment and flow control BMPs/facilities.	After major storm events Starting in Year 3 (2/15/2010) Continue in New Permit Term	King County conducts spot checks for the City. Fifteen facilities were spot checked in 2010.			$43,000	Conduct spot checks of treatment and flow control facilities after all storm events. The City will need to keep an inspection procedures log and identify who will be doing inspections.	Add 200 staff hours		$43,000	$43,000 is allocated from the following 2011 budget expenditure line items: "Maintenance-Pump Stations," "Util - Pump 28: 142nd St," "Util - Pump 28: Hermes Deprssn," "Util - Pump 21: Chelsea Park," and "Chelsea Pond." Add staff time to include spot checks of flow control and water quality facilities after storm events (approx 70 facilities for drive-by inspections 6 times/year)
S5.C.5.d	**5.4 Catch Basin Inspection**	Inspect all catch basins and inlets at least once during the permit term; Clean catch basins as necessary; Dispose of decant water appropriately. Catch basin inspection schedule of every 2 years may be changed as appropriate to meet the maintenance standards based on maintenance records of double the length of the proposed inspection frequency. Catch basin inspections at least once every two years is required.	Permit End (8/19/2011), Continue in New Permit Term	The City is in the process of inspecting the City's catch basins and plans to have all catch basins inspected at least once before the permit ends. At the end of 2010 the City had cleaned 3,263 catch basins out of 5,913.			$150,000	Catch basin inspection schedule of every 2 years shall be changed as appropriate to meet the maintenance standards based on maintenance records of double the length of the proposed inspection frequency. Catch basin inspections at least once every two years is required.	Add 1,250 staff hours		$100,000	$50,000 of $250,000 is allocated for the "Swm Billed By King Co Roads" expenditure line item of the 2011 budget to cover catch basin inspections. $100,000 is allocated for the "Surface Water Mgmt Inventory" expenditure line item of the 2011 budget for video inspection and cleaning of the conveyance system. The City would like to shift to internal inspections for publically owned facilities. The inseption program will cover all half of the publically owned catch basins each year to meet this permit requirement. The inspections will also document potential IDDE problems to meet the IDDE field screenings requirements (Element 3.3). New staff time: 6,000 catch basins and 3,200 inlets; 1/2 inspected each year; assume one staff person conducts 40 inspections per work day(approximately 1000 staff hours per year) and the program requires an additional 250 hours of management,. planning, and recordkeeping time. Maintain $100,000 budget for video inspection and cleaning. See Element 6.1 for developing the written documentation of the maintenance standards and implementation plan.
S5.C.5.f	**5.5 Road Maintenance**	Implement practices to reduce stormwater impacts from street, parking lot, and highway runoff. Address the following activities: -Pipe and culvert cleaning; -Ditch and roadside vegetation management; -Street cleaning; -Street repair, resurfacing, and striping; -Snow and ice control; -Utility installation; -Dust control. The City may clean the entire MS4 within a circuit, including all conveyances, catch basins. The system must be cleaned once during the Permit term.	Year 3 (2/15/2010), Continue in New Permit Term	On an annual basis, the City is implementing practices to reduce stormwater impacts associated with runoff from streets, parking lots and roads maintained by the City including pipe and culvert cleaning, ditch and roadside areas maintenance including vegetation management, street sweeping and cleaning, and street repair and resurfacing per the requirements of the King County Road Standards. The City also conducts snow and ice control as needed; arterials are high priority and residential snow and ice control are conducted on an emergency basis.			$200,000	The City shall clean the entire MS4 in within a circuit including all conveyances and catch basins. The system must be cleaned once during the Permit term.			$200,000	$200,000 of $250,000 is allocated for the "Swm Billed By King Co Roads" expenditure line item of the 2011 budget to cover street sweeping, pipe, ditch, and culvert maintenance. Retain existing program in future years

	Requirements			Existing SWM Program Activities (2011)				Future SWM Program Activities (Average Annual 2013-17)				
	Stormwater Program Element	**Activities/BMPs Needed for Regulatory Compliance (includes new DRAFT NPDES Phase II Permit activities/BMPs in red)**	**Permit Milestone Date (New Draft Permit in red)**	**2011 Current Activities**	**Staff FTE**	**Staff Cost ($)**	**Expense ($)**	**Future Activities**	**Staff FTE**	**Staff Cost ($)**	**Expense ($)**	**Comments**
S5.C.5.g	**5.6 Non-Roadway Property Maintenance**	Implement practices to reduce stormwater impacts from City-owned non-roadway property runoff (parks, open space, right-of-way, and maintenance yards). Address the following: -Application of fertilizer, pesticides, and herbicides; -Sediment and Erosion control; -Landscape maintenance and vegetation disposal; -Trash management; -Building exterior cleaning and maintenance.	Year 3 (2/15/2010), Continue in New Permit Term	The City has an Integrated Pest Management (IPM) Brochure that refers to EPA and King County IPM materials. The City does not have a formal IPM Document; however, the City does perform sediment and erosion control, landscape maintenance and vegetation disposal, street repair/resurfacing and trash management (through a franchise agreement). The City is not conducting building exterior cleaning and maintenance.				Continue current practice.			$75,000	In 2012, the City added six seasonal staff to conduct mowing and other non-property roadway maintennace activities. Temporary staff perform approximately 5,000 hours of service per year at a pay rate of $13/hour. For budgeting purposes, temporary staff are shown as an expense rather than FTE, as they are not fully benefited positions. Contract services are covered under other elements.
S5.C.5.h	**5.7 Staff Training**	Implement ongoing training activities for construction, maintenance, and operations personnel. Include training on: -O&M standards; -inspection procedures; -selecting appropriate BMPs; -Reducing water quality impact in daily activities; -Reporting of water quality concerns and illicit discharges. Maintain records of training.	Year 3 (2/15/2010), Continue in New Permit Term	The City has conducted training on O&M standards.			$2,667	Continue current practice and train new staff as needed.	Add 100 staff hours		$10,000	1/3 of the $8,000 staff training budget is allocated for the "Registration - Training/workshop" expenditure line item of the 2011 budget. Increased staff training is needed to educate staff about stormwater facility maintenance standards and to educate new staff hired to conduct internal inspections. Assume 8 maintenance staff attend up to 2 days of training per year.
S5.C.5.i	**5.8 SWPPP for Maintenance Yards**	Develop and implement Stormwater Pollution Prevention Plans (SWPPP) for all equipment maintenance and storage yards not covered under the Industrial Stormwater General Permit. Include an implementation schedule for structural BMPs and conduct occasional visual inspection of discharge from the site.	Year 3 (2/15/2010), Update as needed in New Permit Term	The City is implementing a SWPPP for all heavy equipment maintenance or storage yards, and material storage facilities owned or operated in the areas subject to the Permit that are not required to have coverage under the General NPDES Permit for stormwater discharges Associated with Industrial Activities or another NPDES Permit.				Update SWPPP if needed.				
S5.C.5.j	**5.9 Record Keeping**	Maintain records of inspection and/or repair activities.	Ongoing, Continue in New Permit Term	The City will continue to develop, implement and keep track of the development and implementation records of the City's O&M program that includes a training component and has the ultimate goal of preventing or reducing pollutant runoff from municipal operations. The City uses City works to track O&M activities.				Continue current practice.				
	Total -Element #5				6.40	$412,877	$520,667		7.30	$608,000	$503,000	In the existing program, there are 6.0 FTE allocated for Maintenance Staff (Maintenance Worker II (2 FTE), Maintenance Worker III (2 FTE), Maintenance Assistant (1.5 FTE), the Street/SWM Managers time (0.5 FTE) and the SWM Engineering Tech (0.4 FTE). Increase staff time as noted above.
	Total Gap - Element #5											
	SWMP Element #6 - Program Implementation											
S5.A.1	**6.1 SWMP Implementation**	Develop and implement a SWMP that covers the geographic area subject to the permit. Included with Elements 1 through 5.	Permit End (8/19/2011), Continue in New Permit Term	The City develops an updated SWMP each year to be included with their Annual Report to Ecology.				The City needs to develop policies and standard operating procedures for IDDE, Private Facility Inspections, and Facility and Catch Basin Inspections and Maintenance.	Add 100 staff hours		$30,000	Add staff time and consultant funding to develop policies and standard operating procedures for IDDE ($10,000), Private Facility Inspection and Maintenance Program ($10,000), and Facility and Catch Basin Inspection and Maintenance Program ($10,000). Cost to train staff to implement these programs is included in Elements 3.6 and 5.7 ($15,000 total).
S5.A.2	**6.2 SWMP Documentation**	Prepare written documentation of the SWMP and issue annual updates with the Annual Report to Ecology. Annual reports must be submitted using Ecology's WA WebDMR program and include attachments to support work completed during the reporting period. Include attachments to the annual report including summaries, descriptions, reports and other information as required, or as applicable, to meet the requirement of the permit during the reporting period.	March 31 Each Year, March 31 Each Year in the New Permit Term	The City submitted its 2010 SWMP to Ecology by the due date.				Continue current practice. Submit SWMPs on an annual basis.				See Element #9.1.
				SWMP due to Ecology by 3/31/2012.				Submit the annual report using Ecology's WA WebDMR program and include attachments to support work completed during the reporting period.				
S5.A.3	**6.3 Program Tracking**	Track the cost or estimated cost of development and implementation of the SWMP; provide this information to Ecology upon request.	Annually starting in 2009, Continue in New Permit Term	See Elements #1 through 5.				See Elements #1 through 5.				See Elements #1 through 5.
		Track the number of inspections, enforcement actions, and public education activities. Include this information in the Annual Report.	As stipulated by Permit, Continue in New Permit Term	See Elements #1 through 5.				See Elements #1 through 5.				See Elements #1 through 5.
S5.B	**6.4 MEP and AKART**	Design the SWMP to reduce discharge of pollutants to the Maximum Extent Practicable (MEP), meet State AKART requirements, and protect water quality.	N/A, N/A	Burien Municipal Code focuses on MEP and AKART standards for reducing pollutants.								
	Total -Element #6				0	$0.00	$0.00		0.05	$4,160	$30,000	See Elements 1 through 5 for FTE for program implementation.

	Requirements			Existing SWM Program Activities (2011)				Future SWM Program Activities (Average Annual 2013-17)				
	Stormwater Program Element	Activities/BMPs Needed for Regulatory Compliance (includes new DRAFT NPDES Phase II Permit activities/BMPs in red)	Permit Milestone Date (New Draft Permit in red)	2011 Current Activities	Staff FTE	Staff Cost ($)	Expense ($)	Future Activities	Staff FTE	Staff Cost ($)	Expense ($)	Comments
SWMP Element #7 - Total Maximum Daily Load Allocations												
S7.A	**7.1 Permit Recognized TMDLs**	Applicable TMDLs are listed in Appendix 2 of the NPDES Permit. None apply to the City of Burien at this time.	N/A, N/A	Not Applicable. There are no TMDL waterbodies in Burien.				Not Applicable.				
S7.B	**7.2 TMDLs not Listed in Permit**	Compliance with TMDLs not listed in Appendix 2 of the Permit is achieved by meeting the requirements of the Permit; Keep records and report activities relevant to applicable TMDLs.	N/A, N/A	Not Applicable. There are no TMDL waterbodies in Burien.				Not Applicable.				
S7.C	**7.3 TMDLs Approved during the Permit Cycle**	Comply with future TMDL requirements issued through permit modifications.	N/A, N/A	Not Applicable: however this is dependent on Ecology. Pending new Permit language.				Not Applicable; however this is dependent on Ecology.				
	Total -Element #7				N/A	N/A	N/A		N/A	N/A	N/A	
SWMP Element #8 - Monitoring												
S8.B	**8.1 Existing Monitoring**	With Burien having a population between 10,000 and 75,000 the City shall identify two outfalls or conveyances where stormwater sampling could be conducted. One outfall shall represent commercial land use and the second will represent high-density residential and use. Describe any stormwater monitoring or studies and type of information gathered in annual report; Assess the appropriateness of the BMPs in the SWMP and note any proposed changes.	March 31 Each Year, N/A in New Permit Term	See Element 8.2.								
S8.C.1.a	**8.2 Stormwater Monitoring**	Prepare for future monitoring by selecting two outfalls for flow-weighted composite sampling (must meet Ecology requirements). Document site selection, possible constraints, basin description, and water quality concerns in receiving waters.	12/31/2010, N/A in New Permit Term	The City has submitted the required monitoring site selection documents to Ecology that identifies the locations for the potential future outfall monitoring.								For more information see the "Stormwater Monitoring Plan Report" document dated March 31, 2011.
S8.C.1.b	**8.3 SWMP Effectiveness Monitoring**	Prepare for future monitoring by identifying two questions be studied and selecting monitoring sites. Develop a monitoring plan based on Ecology requirements.	12/31/2010, N/A in New Permit Term	The City has submitted the required effectiveness monitoring documents to Ecology.								
S8.C.2	**8.4 Annual Reporting**	Describe the status of identifying monitoring sites, questions, and developing monitoring plan.	Starting with 2010 Annual Report (3/31/2011), N/A in New Permit Term	The City submitted a status of their program to identifying monitoring sites, questions, and developing monitoring plan in the 2010 Annual Report/2011 SWMP.								
				This is a place holder for the 2011 monitoring reporting (to be submitted in 2012).								
S8.C.1	**8.5 Status and Trends Monitoring**	The City has two options for status trends monitoring. They are required to notify Ecology of which option is selected. Option 1: Pay into a collective fund that will cost Burien $11,238 annually. Option 2: Conduct in house monitoring sites will be selected for the Ecology-approved QAPP; If the QAPP lists a potential sampling location within Burien, then the City can monitor the site through option 2. If a site is not selected in the jurisdiction, therefore this may not be a viable.	Annually, Payment due 8/15 starting in 2014	Not Applicable.				Elect Option 1: Pay an annual fee to Ecology of $11,238. Option 1 is the most cost effective option for the City because implementing their own monitoring program could be very costly.			$11,500	Assumes annual pay in program remains the same each year.
S8.C.2	**8.6 Effectiveness Studies**	The City has two options for effectiveness studies. They are required to notify Ecology of which option is selected. Option 1: Pay into a collective fund that will cost Burien $18,724 annually. Option 2: Conduct in house.	Annually, Payment due 8/15 starting in 2014	Not Applicable.				Elect Option 1: Pay an annual fee to Ecology of $18,724. Option 1 is the most cost effective option for the City because implementing their own monitoring program could be very costly.			$19,000	Assumes annual pay in program remains the same each year.
S8.D	**8.7 Source Identification and Diagnostic Monitoring Information Repository**	The City has two options for source identification and diagnostic monitoring information repository. They are required to notify Ecology of which option is selected. Option 1: Pay into a collective fund that will cost Burien $1,736 annually. Option 2: Conduct in house .	Annually, Payment due 8/15 starting in 2014	Not Applicable.				Elect Option 1: Pay an annual fee to Ecology of $1,736. Option 1 is the most cost effective option for the City because implementing their own monitoring program could be very costly.			$2,000	Assumes annual pay in program remains the same each year.
	Total -Element #8				0	$0	$0		0.05	$4,160	$32,500	Add staff time to track and coordinate with regional monitoring program.
SWMP Element #9 - Reporting												
S9.A&B	**9.1 Annual Reports**	Submit annual reports each year on the previous year's NPDES Phase II activities. Report includes current SWMP, Annual Report Form (Appendix 3 of Phase II Permit), and applicable supporting documentation. Submit annual report by May 31 each year, electronically using Ecology's WA WebDMR program.	March 31 Each Year, March 31 Each Year	The City has completed each year's annual report and SWMP for submittal to Ecology.			$5,000	Continue current practice. Submit Annual Reports and SWMPs to Ecology each March (May under new Permit). Submit reports using Ecology's WA WebDMR program, which is available through the Ecology's website.			$5,000	$5,000 is allocated for the "Surface Water Management" expenditure line item of the 2011 budget.

	Requirements			Existing SWM Program Activities (2011)				Future SWM Program Activities (Average Annual 2013-17)				
	Stormwater Program Element	**Activities/BMPs Needed for Regulatory Compliance (includes new DRAFT NPDES Phase II Permit activities/BMPs in red)**	**Permit Milestone Date (New Draft Permit in red)**	**2011 Current Activities**	**Staff FTE**	**Staff Cost ($)**	**Expense ($)**	**Future Activities**	**Staff FTE**	**Staff Cost ($)**	**Expense ($)**	**Comments**
S9.C.2	**9.2 Ongoing Tracking**	To support annual report submittal, maintain records of activities completed and implementation status of each element in Elements 1 through 5. Track progress toward meeting minimum performance measures and plans for meeting future permit deadlines.	Ongoing, Ongoing	See Elements #1 through 5 for additional information on activity and program tracking.				See Elements #1 through 5 for additional information on activity and program tracking.				
S9.C	**9.3 Maintaining Records**	Maintain records of SWMP and permit activities for five years.	Ongoing, Ongoing	See Elements #1 through 8.				See Elements #1 through 8.				
S9.D	**9.4 Public Access**	Make all records of SWMP and permit activities available to the public at reasonable times during business hours.	Ongoing, Ongoing	See Elements #1 through 8.				See Elements #1 through 8.				
S9.E.4	**9.5 LID Barriers**	Submit a LID barriers memo with the Annual Report that summarizes the City's identified barriers to the use of LID.	3/31/2011, N/A in New Permit Term	The City identified and measured barriers and gap to the use of LID. The findings were reported to Ecology with the City's 2010 Annual Report.			$5,000					For more information see the "City of Burien Low Impact Development Implementation Framework" document dated April 2008. $5,000 is allocated for the "Surface Water Management" expenditure line item of the 2011 budget. This is an existing program element only.
	Total -Element #9				0.05	$5,371	$10,000		0.05	$5,000	$5,000	0.05 FTE is for a portion of the CIP Engineers (0.8 FTE for all 3) allocated to write the Annual Report and SWMP. Continue this level of staffing for the current program.
SWMP Element #10 - Regional Watershed Planning and ESA												
WRIA 9	**10.1 Miller and Walker Stewardship Program**	King County currently runs the Miller and Walker Creeks Stewardship Program.	N/A	This Program conducts adult salmon monitoring, a volunteer program conducting stream restoration projects including planting trees and controlling invasive weeds, provides public education presentations, and works towards a healthy basin. The City also conducts basin planning, an IC/IDDE program and has pre-development standards to help improve the health of these two Creeks.			$76,000	Continue current practice.			$76,000	$30,000 is allocated for the "Regional Watershed (wria 9)" expenditure line item and $46,000 from the "Surface Water Management" expenditure line item of the 2011 budget to support the work of King County and Green/Duwamish Forum. 2011 actual expenditures included $17,500 for WRIA 9 and $58,500 for Miller/Walker Creek. Increase expenses = $76,000.
WRIA 9	**10.2 Prioritization of Marine Shorelines of WRIA 9 for Juvenile Salmonid Habitat Protection and Restoration**	In May of 2006 King County published a reported titled "Prioritization of Marine Shorelines of WRIA 9 for Juvenile Salmonid Habitat Protection and Restoration."	N/A	This report identified Puget Sound shoreline habitat in southern King County that should be preserved or restored to help salmon, including prioritizing nearshore habitat in Burien that provides important habitat for young salmon after they have left the freshwater streams where they hatched and reared.				Continue current practice.				See Element 10.1 for funding.
WRIA9	**10.3 Green/Duwamish & Central Puget Sound Watershed Projects**	A list of Green/Duwamish & Central Puget Sound Watershed Projects was published to document projects completed in the watershed from 1998-2009.	N/A	Between 1998-2009 the Green/Duwamish and Central Puget Sound Watershed Ecosystem Form compromised of 16 cities, including Burien, made recommendations to the King Conservation District on watershed protection, restoration and salmon conservation projects to be funded with a portion of the KCD per-parcel assessment and implemented in eligible jurisdictions within the watershed. Projects completed included: -King County Miller Creek Basin Plan (inter-jurisdictional plan for stormwater management, water quality protection and habitat improvements); -City of Burien: Seahurst Park Monitoring 2007 (monitoring to determine success of a 2005 bulkhead and shoreline restoration project); -City of Burien Walker Creek Headwaters Purchase (acquired 21 acres of wetlands to protect them from development); -City of Burien Seahurst Park Nearshore Restoration Monitoring (identified fish use and other habitat elements before construction of site restoration project).				Continue current practice.				See Element 10.1 for funding. In 2009 the Forum made recommendations for ~$1.19 million in projects, based on the 2009 assessment of $10 per parcel.
	Total -Element #10				0.05	$5,405	$76,000		0.10	$9,000	$76,000	City budgets $30K per year to support WRIA 9, but actual expenditures have been $76K in recect years. 0.05 FTE is for a portion of the CIP Engineers time allocated to coordinate with King County on the WRIA projects. Increase City particiaption to 0.1 FTE.
SWMP Element #11 - Underground Injection Control Rule												
WAC 173-218-070: 1.a.i-iv	**11.1 Register Wells**	Complete Ecology Registration forms and submit (WAC 173-218-070.1.a.i-v). Information includes: Operator/Owner information; site location; BMPs used to protect groundwater quality, UIC well description; information necessary to demonstrate that the non-endangerment standard (WAC 173-218-080 and WAC 173-218-090) has been met.	February 2, 2009 (WAC 173-218-090.2.a.i)	All publicly owned infiltration facilities have been registered.				Register new publicly owned infiltration facilities as they are built.				

Requirements				Existing SWM Program Activities (2011)				Future SWM Program Activities (Average Annual 2013-17)				
	Stormwater Program Element	Activities/BMPs Needed for Regulatory Compliance (includes new DRAFT NPDES Phase II Permit activities/BMPs in red)	Permit Milestone Date (New Draft Permit in red)	2011 Current Activities	Staff FTE	Staff Cost ($)	Expense ($)	Future Activities	Staff FTE	Staff Cost ($)	Expense ($)	Comments
WAC 173-218-070□1.b.i	**11.2 Assess Wells**	According to WAC 173-218-090.2.a.ii, the approach to conducting the well assessment will be determined by the Owner. The assessment evaluates the potential risks to groundwater from the use of UIC wells. Any assessment that identifies a well as a high threat to groundwater must include a retrofit schedule (WAC 173-218-090.a.iii), and immediate action must be taken to correct the use of a well that is determined to be an imminent public health hazard (WAC 173-218-090.a.iv).	February 2, 2011 (WAC 173-218-090.2.a.ii)	No program in place.				Implement prior to use.				
WAC 173-218-070□1.b.i	**11.3 New Well Requirements**	Prior to use, new wells must meet the requirements of WAC 173-218-080 and WAC 173-218-090 which call for preventing the movement of fluid containing any contaminant into the groundwater if it may cause a violation of groundwater quality standards. Compliance with the nonendangerment standard can be met through one or a combination of two approaches: presumptive (WAC 173-218-090.1.c.i.A-D) or demonstrative (WAC 173-218-090.1.c.ii.A-E).	N/A	No program in place.				Implement as needed.				
WAC 173-218-070□1.b.ii	**11.4 Annual Updates**	After initial well registrations have been sent to Ecology, provide an annual update on any well status changes.	N/A	There is no program in place for annually reporting to Ecology on UICs.				Implement as needed annually.				
WAC 173-218-120	**11.5 Well Decommissioning**	Wells must be decommissioned by filling or plugging the well so that it will not result in an environmental, public health or safety hazard, and will not serve as a channel for movement of water or pollution to the aquifer as specified in WAC 173-218-120.3.b.i-ii). Ecology must be notified 30 days prior to decommissioning wells that pose an imminent public health hazard, otherwise notification must occur within one year of closure.	N/A	No program in place.				Implement as needed.				
	Total -Element #11				N/A	N/A	N/A		0.00	$0	$0	Staff time is minimal and absorbed into other activities.
SWMP Element #12 - Capital Improvement Program												
	12.1: CIP Projects	This element cover stormwater related stormwater related CIP Project design and construction.	N/A	In 2011, the Stormwater Program transferred $827,500 to the City's CIP program to fund stormwater related projects.			See CIP Analysis	Capital costs are not included in this analysis, as the CIP program varies based on the projects identified in a given year.	Add 400 staff hours		See CIP Analysis	$827,500 is allocated for the "Operating Transfers Out" expenditure line item of the 2011 budget. See CIP Program analysis for specific expenditures. Additional CIP Dollars may be needed for project implementation. The DMP is being funded out of the Capital Fund.
	Total -Element #12				0.40	$52,879	See CIP Analysis		$1	$50,000	See CIP Analysis	The existing SWM Program allocates 0.20 FTE for CIP Engineers and 0.2 for Public Works Director to stormwater related projects. Increase the CIP Engineers allocation to 0.40 FTE to implement the proposed capital improvement program.
SWMP Element #13 - Additional Activities												
	13.1 Equipment, Materials and Supplies	This element covers equipment, materials, supplies to the support the SWM Program.	N/A	The City owns their own fleet of O&M equipment.			$95,000	Continue current practice.			$165,000	$30,000 is allocated for the "Shop Remodel" (one time expense) of the 2011 budget. $$15,000 is allocated for the "Machinery & Equipment" expenditure line item of the 2011 budget. $50,000 is allocated for "Operating Rentals And Leases". Retain existing funding, replacing the $30K shop remodel line item with a $100k/year transfer to begin funding a City maintenance facility and/or other shared equipment purchases.
	13.2 Program Overhead, Administration and Transfers Out	This element covers Program Overhead, Administration and Transfers Out to the support the SWM Program.	N/A	This element includes Computer Consultant Professional Services, janitorial services at the maintenance shop and expenditures for telephone, dues/memberships, subscription/publication, and printing/binding/copying.			$75,500	Continue current practice.			$75,000	From the 2011 budget: $12,000 ="Janitorial - Shop". $12,000 ="Office and Operating Supplies". $1,000 ="Telephone". $1,000 ="Travel". $500 ="Dues/Memberships". $1,500 ="Subscription/Publication". $1,500 ="Printing/Binding/Copying". $46,000 = remaining funds from "Surface Water Management" expenditure line item of the 2011 budget. Maintain costs at $75K annually.
	13.3 Professional Services	This element covers Professional Services to the support the SWM Program.	N/A	This element covers unexpected needed professional services during the year.			$21,000	Continue current practice.			$25,000	$1,000 is allocated for the "Professional Services" expenditure line item of the 2011 budget. $20,000 is allocated for the "Engineering Nonreimb Prof Svcs" expenditure line item of the 2011 budget. Maintain cost at $25K annually for miscellaneous professional services. See Element 6.1 for NPDES specific professional services.

Requirements			Existing SWM Program Activities (2011)				Future SWM Program Activities (Average Annual 2013-17)				
Stormwater Program Element	**Activities/BMPs Needed for Regulatory Compliance (includes new DRAFT NPDES Phase II Permit activities/BMPs in red)**	**Permit Milestone Date (New Draft Permit in red)**	**2011 Current Activities**	**Staff FTE**	**Staff Cost ($)**	**Expense ($)**	**Future Activities**	**Staff FTE**	**Staff Cost ($)**	**Expense ($)**	**Comments**
13.4 Accounting/ Budgeting/ Stormwater Utility	This element covers Accounting/Budgeting/Stormwater Utility to the support the SWM Program.	N/A	This element cover utility services and covers the interest payments for the PWTFL Ambaum Pond Project.			$72,100	Continue current practice.			$75,000	$7,600 is allocated for the "Interest on PWTFL Ambaum Pond" expenditure line item of the 2011 budget. $2,500 is allocated for the "Utility Services" expenditure line item of the 2011 budget. $27,000 is allocated for the "County Collection Fee" expenditure line item of the 2011 budget. $34,000 is allocated for the "Swm Assessment/tax" expenditure line item of the 2011 budget. Allocate $75,000 in the future SWM Program for Accounting/Budgeting/Stormwater Utility support to the future SWM Program.
13.5 NPDES Permit Fee	The City pays an annual NPDES Permit Fee to Ecology.	N/A				$10,000				$10,000	$10,000 is allocated for the "Surface Water Management" expenditure line item of the 2011 budget for the NPDES Permit Fee.
13.6 Miscellaneous Expenditures	This element covers Miscellaneous Expenditures to the support the SWM Program.	N/A	The City allocates a portion of the SWM Program Fund to miscellaneous expenditures needed to support the program on an annual basis.			$10,500	Continue current practice.			$15,000	$10,500 is allocated for the "Miscellaneous" expenditure line item of the 2011 budget. Allocate $15,000 for miscellaneous expenditures for the future SWM Program.
Total -Element #13				0.70	$70,388	$284,100		1.00	$84,000	$365,000	0.50 FTE is for the Department Assistant and 0.20 for the Public Works Director to perform administrative and directive tasks to support the City's stormwater program. In the Future program allocate an additional 0.10 FTE for the Public Works Director and 0.20 FTE for the Department Assitance to implement SWM Program Additional Activities.
			TOTALS*	**8.75**	**$660,000**	**$951,000**		**11.25**	**$942,000**	**$1,082,000**	
			GRAND TOTAL*	**8.75**	**$1,611,000**			**11.25**	**$2,024,000**		
						GRAND TOTAL GAP*		**2.50**	**$413,000**		

*Does not include annual Capital Improvement Program projects.

Notes

- Required activities are based on the *Western Washington Phase II Municipal Stormwater Permit*, issued January 17, 2007 and modified June 17, 2009.

- Future anticipated requirements based on the DRAFT Proposed Permit issued Fall 2011 with expected implementation date of August 2013.

- "2005 Ecology Manual" and "2012 Ecology Manual" refer to the Washington State Department of Ecology's 2005 and 2012 *Stormwater Management Manual for Western Washington*.

Appendix 4-1: 2005 DMP CIP Project Status

City of Burien
Drainage Master Plan
Project #31760
Revised: April 25, 2012

2005 Stormwater Drainage Master Plan: CIP Project List

Project ID	Otak ID	Basin	Project Title	Previously Listed Project Cost	April 2012 Action
CIP-M03		Miller Creek	SW 132nd Street Flooding	$26,000	Completed previously.
CIP-M11	1	Miller Creek	SW 155th Street Storm Drain System Improvements	$61,000	Problem resolved through increased maintenance. No further complaints recorded.
CIP-PS07		Puget Sound	SW 172nd Street Outlet	$29,000	Problem resolved through increased maintenance. No further complaints recorded.
CIP-S01	2	Salmon Creek	Overflow Replacement at Salmon Creek Bypass	$51,000	Problem area reviewed: Ongoing Tracking.
CIP-M14	55, 56, 92	Miller Creek	SW 165th Street Drainage System	$290,000	Problem area reviewed: Rank for CIP.
CIP-M27		Miller Creek	Century Apartments Drainage Systems	$205,000	Completed previously.
CIP-M28	3	Miller Creek	Drainage System at 129th Street	$111,000	Problem area reviewed: Ongoing Tracking.
CIP-M01A	4	Miller Creek	New storm drainage system at 1st Avenue S and SW 132nd Street	$276,000	Problem area reviewed: Maintenance Referral.
CIP-M01B	4	Miller Creek	New storm drainage system at 1st Avenue S and SW 132nd Street	$670,000	Alternate solution to CIP-M01A. Problem area reviewed: Maintenance Referral.
CIP-M02		Miller Creek	Acquisitions of Local Depressions at 4th Avenue South and S 132nd Street	$70,000	Improvements to Chelsea Pond conveyance system eliminated need for property purchase.
CIP-M06A		Miller Creek	142nd Street Depression	$956,000	City completed past project. Additional complaints recorded. Problem area reviewed and categorized as "Rank for CIP."
CIP-M06B		Miller Creek	142nd Street Depression	$740,000	City completed past project. Additional complaints recorded. Problem area reviewed and categorized as "Rank for CIP."
CIP-M26		Miller Creek	21st Ave SW Storm Drainage System	$185,000	Completed previously.
CIP-M09	5	Miller Creek	14th Ave South	$582,000	Problem area reviewed: Maintenance Referral.
CIP-M13		Miller Creek	15th Ave SW Drainage System	$258,000	Completed previously.
CIP-PS02	6	Puget Sound	30th Avenue SW Outfall Repair	$200,000	Problem area reviewed: Ongoing Tracking.
CIP-PS04	7	Puget Sound	25th Avenue SW Drainage System	$662,000	Problem area reviewed: Rank for CIP.
CIP-PS05	8	Puget Sound	Maplewild Avenue SW Drainage System Outlet at SW 156th Street	$255,000	Problem area reviewed: Ongoing Tracking.
CIP-M07	9	Miller Creek	S 140th Street Horse Pasture	$384,000	Problem area reviewed: Ongoing Tracking.
CIP-M08		Miller Creek	S 132nd Street Depression	$518,000	Completed previously.
CIP-M04	10	Miller Creek	Hermes Depression	$1,885,000	Problem area reviewed: Rank for CIP.
CIP-M20	11	Miller Creek	S 136th Street Wetland Enhancement	$244,000	Problem area reviewed: Ongoing Tracking.
CIP-M05	10	Miller Creek	Mayfair Depression	$1,003,000	Combine with CIP-M04. Problem area reviewed: Rank for CIP.
CIP-PS-6	12	Puget Sound	SW 174th Street Storm Drainage System Outlet SW 156th Street	$692,000	Problem area reviewed: Ongoing Tracking.

2011 Drainage Master Plan: New CIP Projects

		Basin	Project Title		Project Type
		Miller Creek	Master Planning: Hermes Depression, Mayfair Depression, 142nd Street Depression and 132nd Street Drainage	-	Master Plan
			S 136th Street Wetland Enhancement	-	Master Plan
		Arbor Lake	Arbor Lake Monitoring	-	Monitoring Plan
		Miller Creek	Lake Burien Monitoring	-	Monitoring Plan
		Salmon Creek	Salmon Creek Enhancement Plan	-	Watershed Enhancement Plan
		Miller Creek	Miller Creek Enhancement Plan	-	Watershed Enhancement Plan

Appendix 4-2: Drainage Complaint Ranking and Rating Criteria

City of Burien
Drainage Complaints - Rating/Ranking

Prepared by Otak Inc. **Updated: 3/21/12**

Complaints deleted - 1, 35,36,39,40,41,42,43, 111(follow-up to #109), 63 (IDDE Problem), 95 (no address, cannot locate/follow-up)

Otak Work (November 2011, updated January 2012)									Otak Work (updated March 2012)										
Otak ID	Date	Source	Address	Related Complaints	Problem Description	Type of Problem - City Defined	City Action/Other Information	Site Visit Conducted?	Categorization	Flood Location	Flood Source	Flood Frequency	Erosion	Water Quality	Habitat	Economic Impact	Complaint History	Total Score	Ranking for CIP
										1.5	1.5	1	1	1.5	1	1	1.5		
88	Jul-11	2011 City Maintenance Staff, 2012 Maintenance Staff	4th Ave SW and SW 158th St	60, 88	*None Provided*		Site visit was conducted in late 2011. There is an erosion issue and a culvert in need of repair.	√	Potential Capital Project	3	5	3	5	3	3	1	5	36	1
60	12/5/2008	City Staff Recorded Public Citizen Complaint, 2012 Maintenance Staff	15815 4TH AVE SW	60,88	Erosion in his property. Mr Saboe claimed that WD 49 might pour the concrete on his property and it make worse by diverting stream		Scheduled meeting with Kenny and Michael Harres (206-242-8535)												
90	Jul-11	2011 City Maintenance Staff, Public Works Director (2012)	Ambaum - Miller Creek	90, 117, 118, 128	*None Provided*			N/A - Regional Plan needed	Potential Capital Project	3	4	2	4	4	3	2	5	35	2
117	7/20/2011 0:00	Advisory Committee Meeting - Public Surveys	Miller Creek	90, 117, 118, 128	There are water quality issues in Miller Creek. The Creek has experienced significant damage this last winter from 152nd SW south. The speed at which stormwater is entering the creek needs to be looked at as well as the non-point pollution issues.		Received during the AC meeting from Chestine Edgar. A Map was provided of problems areas and can be found in a pdf titled "Comment from Chestine Edgar."												
118	7/20/2011 0:00	Advisory Committee Meeting - Public Surveys	Miller Creek east of Ambaum by Kennedy High School and 136th	90, 117, 118,128	The creek has not been classified correctly and the required building setbacks in that area are not sufficient. Additionally, there a storm water management issue in that area when the rains are heavy. Something needs to be addressed for stormwater retention in this area. Water quality is an issue in this area also.		Received during the AC meeting from Chestine Edgar. A Map was provided of problems areas and can be found in a pdf titled "Comment from Chestine Edgar."												
128	28-Feb-12	Public Works Director (2012)	NERA Project	90, 117, 118, 128	Funding needed for regional facilities for the NERA.				Potential Capital Project	3	4	2	4	4	3	2	5	35	
87	Jul-11	2011 City Maintenance Staff, 2012 Maintenance Staff	Des Moines Memorial Drive S and S 175th St	38, 87	Beaver Dam		Beaver Deceiver has been installed. Ongoing sediment problem requiring ongoing maintenance. There is flooding of private property, but no flooding of the roadway. A HPA may be needed.	√	Potential Capital Project	5	5	3	2	1	2	2	3	30	3
38	12/14/2007	City Staff Recorded Public Citizen Complaint	Des Moines Memorial Drive	38, 87	Water over roadway		Sam is getting signs put out												
119	1/31/2012	City Staff recorded Public Citizen Complaint 2012 Maintenance Staff	Ambaum Blvd SW and SW 120th Block	No other related complaints identified	Three phone calls were received in the last two weeks of January 2012 reporting water accumulation over the street. When there was an overlay done last year, this area became an issue with water ponding over the northbound lane. There is no drainage nearby to drop in a CB.		Maintenance Manager sent SW Program Manager email on 1/31/12 to ask for advise on how to address this issue.	√	Potential Capital Project	5	5	4	0	0	0	3	5	29.5	4
113	7/20/2011 0:00	Advisory Committee Meeting - Public Surveys	15240 20th Ave SW	No other related complaints identified	Flooding from Street (20th Ave SW). The untreated water flows into the lake (Lake Burien)		Received during the AC Meeting. Photos were included and can be found in a pdf titled "Photos from Robbie Howell." There is an oil/water separator onsite - maintenance keeps this facility maintained.	√	Potential Capital Project	5	4	4	0	3	0	3	3	29.5	4
10	2005	2005 Stormwater Drainage Master Plan: CIP Project List, 2012 Maintenance Staff	**Hermes Depression**	10, 19	Private property and right of way flooding around and near the depression. Hermes Depression needs a plan. There is an existing pump, plus a tight lined 18" pipe through private property - may need to build a new stormwater system through public ROW. This a maintenance intensive area.		A new pump station is no longer needed in the Hermes Depression along with a new generator to provide backup power. May need to re-route force main that is currently under residential homes - could be re-routed to 1st Ave.. Possible need for a bypass pipe. Project may require three phases: Master Plan / Pump Station / Rerouting of Force Main; See "new" projects below. The Hermes and Mayfair Depressions are connected - therefore do a joint Master Plan for the two depressions.	√	Potential Capital Project	5	5	3	0	0	0	3	5	28.5	6
19	1/10/2006	City Staff Recorded Public Citizen Complaint, 2012 Maintenance Staff	**Mayfair Depression**, SW 128TH ST and Ambaum BLVD	10. 19	Received complaint that Mayfair Pond was getting very high.		The Mayfair Depression needs a study. Maintenance crews report sediment accumulation occurs, but no construction CIP is needed at this time. The Hermes and Mayfair Depressions are connected - therefore do a joint Master Plan for the two depressions.												
13	2011	Engineering Staff - 2011, 2012 Maintenance Staff	20th Ave S between S 120th and S 124th St	13, 15	Expiring age of pipe, collapse pipe, broken joint and pipe, sub-standard basin structures		Potential solution: Replace the entire drainage system including 12 CBs, 1,300 LF length of pipe, and new drainage system on the other side of the street.	√	Potential Capital Project	5	5	3	0	0	0	3	5	28.5	6
15	2011	Engineering Staff - 2011, 2012 Maintenance Staff	20th Ave S from S 120th Ave S to 124th Ave	13, 15	Failed stormwater pipe.														
55	10/14/08	City Staff Recorded Public Citizen Complaint, 2012 Maintenance Staff	SW 165th St between 16th Ave SW and 19th Ave SW	55, 56, 92	Christie M. wanted to know the latest action from the City regarding to a flooding on SW 165th St		Site visit and bring her concern to Samir and HK. There is no existing stormwater system in this area. The road is collapsing.	√	Potential Capital Project	5	3	3	3	0	0	3	5	28.5	6
56	10/22/08	City Staff Recorded Public Citizen Complaint, 2012 Maintenance Staff	1604 SW 165th Street	55, 56, 92	Concern about the backyard flooding		will request VDO inspection												
92	Jul-11	2011 City Maintenance Staff, 2012 Maintenance Staff	SW 165th St and 16th Ave SW - 19th Ave SW	55, 56, 92	flooding														

City of Burien
Drainage Complaints - Rating/Ranking

Prepared by Otak Inc. **Updated: 3/21/12**

Complaints deleted - 1, 35,36,39,40,41,42,43, 111(follow-up to #109), 63 (IDDE Problem), 95 (no address, cannot locate/follow-up)

Otak Work (November 2011, updated January 2012)									Otak Work (updated March 2012)									
Otak ID	Date	Source	Address	Related Complaints	Problem Description	Type of Problem - City Defined	City Action/Other Information	Site Visit Conducted?	Categorization	Flood Location	Flood Source	Flood Frequency	Erosion	Water Quality	Habitat	Economic Impact	Complaint History	Total Score	Ranking for CIP
										1.5	1.5	1	1	1.5	1	1	1.5		
17	1/10/2006	City Staff Recorded Public Citizen Complaint	607 SW 135TH ST	17, 104, 106	Has a lot of water by her house and says she cant park there cause there is too much. Wants some gravel or something so she can park there. I had Ken Thurman stop by and he said that she just has a low spot in the shoulder next to her house. There seems to be a bit of water coming thru the gravel from the neighbors house that she says has always been there. The road is pretty flat there and there may have been ditches there historically that were filled Ken thinks.		There is no existing drainage system. Public water onto private water.	√	Potential Capital Project	5	3	3	3	0	0	3	5	28.5	6
104	4/1/2011 14:18	City Staff Recorded Public Citizen Complaint	SW 135th St. & 8th Ave SW	17, 104, 106	Water coming up out of the shoulder between the street and the gravel on SW 135th Street on the south side about 3 houses from 8th Avenue SW (she did not specify which direction).	Erosion Damage	Groundwater - 300' of pipe.												
106	4/4/2011 14:30	City Staff Recorded Public Citizen Complaint	645 SW 135TH ST	17, 104, 106	Water is coming up out of the shoulder. It's not from storm drainage and I called water dist. 20 to have someone come out and they said it's not their water line either.	Surface water run-off issue													
82	Jul-11	July Public Survey	648 SW 152nd St	82, 50, 93	Critical areas issue. Two existing problems. #1. Storm drain at the corner of 152nd and 8th ave SW backs up when there is a constant heavy rainfall which then backs up into the drain on 8th Ave. SW. Which then backs up the alley drain and then comes into our business through the back doors. This rain floods our building at least once each year and sometimes up to four. This has been a problem since purchasing the building in 1989. It has been brought to the attention of the city many times and I have been told it is my problem. #2. There was a new street laid on 152nd st. and when it was made the water now accumulates in front of our businesses (at least 3 of us) at the rear of our cars. For most this would not be a problem, but our business requires us to CONSTANTLY be loading things in and out of customers cars at the rear of their cars. It is extremely annoying.		Water flowing onto private property from city street, Standing water, Water over road or sidewalk impacting vehicles or pedestrians. Otak suggests the City needs to follow-up with the person who made the complaint in the July Public Survey.	√	Potential Capital Project	3	5	3	0	0	0	5	5	27.5	11
50	10/06/08	City Staff Recorded Public Citizen Complaint	15008 8th SW	82, 50, 93	Backwater from ROW drainage		Site Visit												
93	6/3/2010 13:01	City Staff Recorded Public Citizen Complaint	825 SW 152ND ST	82, 50, 93	Flooding in public parking at SE corner of T intersection SW 152nd St & 8th Ave SW	Surface water run-off issue													
25	11/6/2006	City Staff Recorded Public Citizen Complaint, 2012 Maintenance Staff	SW 141st Street	25, 26, 27, 85	Yard is flooding		SW 142nd Street flooding is severe. Roads have been closed	√	Potential Capital Project	4	5	1	0	1	0	3	5	26.5	12
26	11/6/2006	City Staff Recorded Public Citizen Complaint, 2012 Maintenance Staff	SW 142nd Street	25, 26, 27, 85	Water is running from the street into her garage and under her house. The drain in her driveway cannot handle the street runoff.		SW 142nd Street flooding is severe. Roads have been closed. No outlet - not enough capacity.												
27	11/6/2006	City Staff Recorded Public Citizen Complaint, 2012 Maintenance Staff	SW 142nd Street	25, 26, 27, 85	Pond is full and water is bubbling out the pipe above it – worried that it will flood.		1:06 – All roads to the depression have been closed.												
85	7/1/2011	2011 City Maintenance Staff, 2012 Maintenance Staff	142nd St Depression	25, 26, 27, 85	None Provided														
86	Jul-11	2011 City Maintenance Staff, 2012 Maintenance Staff	Des Moines Memorial Drive S and S 116th St - S 118th St	No other related complaints identified	Private, public, to private system. Flood in December 2010		City maintenance crews report that public water drains to private property and back to public right-of-way.	√	Potential Capital Project	5	5	3	0	0	0	3	3	25.5	13
105	4/4/2011 8:33	City Staff Recorded Public Citizen Complaint	12833 Occidental Avenue South	105, 103	Emily reports that the water comes in off the street and is pooling in their yard at 12833 Occidental Avenue South.	Surface water run-off issue	AMM Comment: One block over from #65 and 108, but likely a joint solution or maybe a need to clean all ditch systems in this area.	√	Potential Capital Project	4	5	3	0	0	0	1	5	25	14
103	3/29/2011	City Staff Recorded Public Citizen Complaint	12455 2nd Ave S	105, 103	Hi Larry .One more thing that I need to ask you about. At 12455 2nd Ave.S Burien Wa 98168 there is a house with a gravel parking strip with no drainage. Our street has a combination of drainage ditches and graveled parking strips with catch basins. This house and the house directly North of it have no catch basins on their graveled parking strip that result in a giant puddle that when it rains extends out to the middle of the road. There is always a giant puddle(20 by 10 feet) here but sometime it	Surface water run-off issue													
80	Jul-11	July Public Survey	14639 25th AVE SW	No other related complaints identified	Critical areas issue. water collected over several blocks pours into the park, contributing to slides below on the slope near the beach		Water flowing onto private property from city street. the slides affect both the park and adjacent property The water should be channeled to the beach rather than infiltrate the steep slope. It is piped there from an area of many blocks. This problem is located on Parks Property.	√	Potential Capital Project	5	5	2	4	2	0	0	0	24	15
7	2005	2005 Stormwater Drainage Master Plan: CIP Project List	25th Avenue SW Drainage System	No other related complaints identified	Erosion and sedimentation of streams 0367 and 0368.		A new stormwater system is needed.	N/A - Use design from 2005 Plan	Potential Capital Project	3	3	1	5	3	0	0	3	24	15
125	2/16/2012	City Staff - Maintenance Crew, 2012 Maintenance Staff	116th Ave SW between 1st Ave SW and 4th Ave SW	No other related complaints identified	There is a 30" pipe that drains to an existing ditch (City has a 10' easement) adjacent to a church parking lot that abruptly ends. Water disperses into a forested area then drains to an existing pipe and then into an existing detention pond. The dispersion into the wooded area causes the water to slow down and silt up behind the existing pipe. Maintenance crews have to clean out the pipe often. This is a reoccurring problem.			√	Potential Capital Project	0	0	0	5	5	0	2	5	22	16
48	39701	City Staff Recorded Public Citizen Complaint, 2012 Maintenance Staff	16521 4th Ave S	No other related complaints identified	No adequate drainage at the Blake Manor neighborhood. There is no drainage on 4th Ave S. The road is flat and there is standing water in the road.		Site Visit	√	Potential Capital Project	5	5	2	0	0	0	0	3	21.5	17
127	2/28/2012	2012 City Maintenance Crews	Arbor Lake	No other related complaints identified	Arbor Lake is owned by the Park's Department. There are water quality issues in the lake including algae blooms and no swimming warnings in the summer.			√	Potential Capital Project	0	0	0	0	5	5	3	3	20	18

City of Burien
Drainage Complaints - Rating/Ranking

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Otak Work (November 2011, updated January 2012)									Otak Work (updated March 2012)										
Otak ID	**Date**	**Source**	**Address**	**Related Complaints**	**Problem Description**	**Type of Problem - City Defined**	**City Action/Other Information**	**Site Visit Conducted?**	**Categorization**	**Flood Location**	**Flood Source**	**Flood Frequency**	**Erosion**	**Water Quality**	**Habitat**	**Economic Impact**	**Complaint History**	**Total Score**	**Ranking for CIP**
										1.5	1.5	1	1	1.5	1	1	1.5		
23	11/6/2006	City Staff Recorded Public Citizen Complaint	S. 160th Street	No other related complaints identified	Water building up – her son is trying to pump it back.		2:11 – needs drainage investigation long-term. CB appears to be badly plugged but on private street.		Ongoing Tracking									0	
6	2005	2005 Stormwater Drainage Master Plan: CIP Project List	30th Avenue	No other related complaints identified	Beach erosion due to storm drainage system outfall with no energy dissipation. Potential erosion of coastal bluff due to damaged storm drain line.		Follow-up needed to determine current CIP needs. Expand/redesign an existing energy dissipater at the outfall.		Ongoing Tracking									0	
11	2005	2005 Stormwater Drainage Master Plan: CIP Project List	S 136th Street	No other related complaints identified	Lack of LWD, limited stream buffers, bank hardening, lack of gravel and limited estuary area.		Combine with S 136th Street Wetland Enhancement Master Planning JC: Is this on Miller Creek? Look up old CIP Details.		Ongoing Tracking									0	
77	Jul-11	July Public Survey	15826 16th Ave. S.W.	77, 96	Stream or Ditching Issue. Purchased home from builder who was denied permit to put down drain pipe from north end of property to south end of property and putting down a parking strip on top. Most all of my neighbors storm sewers are covered (grass, gravel, & blacktop).1.) Ditch sides are "very steep" and extremely hard to maintain. 2.) Water running down street flows towards my ditch washing out the edges of my driveway. 3.) Ditch is lower than neighbors causing standing water that does not drain.		Water flowing onto private property from city street, Standing water. 1.) Standing water in ditch is breeding ground for mosquitoes in warm weather, West Nile Virus is a concern. 2.) Mowing grass is dangerous due to depth & slope. City staff to follow up with person making the complaint.		Ongoing Tracking									0	
96	3/3/2011 15:59	City Staff Recorded Public Citizen Complaint	15838 16TH AVE SW	77, 96	City's storm drain pipe was very deep from the surface near his driveway	Check Gravity Main													
8	2005	2005 Stormwater Drainage Master Plan: CIP Project List	Maplewild Avenue at SW 156th Street	No other related complaints identified	Beach erosion due to storm drainage system outfall with no energy dissipation. Potential erosion of coastal bluff due to damaged storm drain line.		New stormwater system with new outfall is needed.		Ongoing Tracking									0	
12	2005	2005 Stormwater Drainage Master Plan: CIP Project List	SW 174th Street and SW 156th Street	No other related complaints identified	Potential erosion of coastal bluff and damage to existing residential structures due to damaged storm drain line.		Follow-up needed to determine current CIP needs.		Ongoing Tracking									0	
2	2005	2005 Stormwater Drainage Master Plan: CIP Project List	Salmon Creek Bypass	No other related complaints identified	Culvert is a partial fish barrier.		Nothing has been completed to date on this project. Follow-up to determine current CIP needs.		Ongoing Tracking									0	
3	2005	2005 Stormwater Drainage Master Plan: CIP Project List	129th Street	No other related complaints identified	Stormwater system is failing.		System on private property needs replacement, upgrade, and easement acquisition; good project for the annual replacement program.		Ongoing Tracking									0	
9	2005	2005 Stormwater Drainage Master Plan: CIP Project List, 2012 Maintenance Staff	1022 S 140th Street	No other related complaints identified	Potential private property flooding as additional impervious areas are created upstream due to insufficient hydraulic capacity in the existing drainage system. There is a 36" concrete pipe and a depression on the road.		No recent complaints. Conduct further investigations. - As of February 2012, this is no longer the case. This is still a problem reported by the maintenance staff.		Ongoing Tracking									0	
72	Jul-11	July Public Survey	831 SW 134th St	No other related complaints identified	The entire street floods at that point		Water flowing onto private property from city street, Standing water, Water over road or sidewalk impacting vehicles or pedestrians, Flooding of yards or homes. There is no existing drainage system. Low point in the road needs a drainage system.	√	Private Issue	5	3	3	3	0	0	3	5	28.5	**6**
126	28-Feb-12	2012 Maintenance Staff	11232 21st Ave SW	No other related complaints identified	Flooding of public water on to private property.		This is a private issue - private water drains onto private property.	√	Private Issue									0	
58	11/12/2008	City Staff Recorded Public Citizen Complaint, 2012 Maintenance Staff	16218 16th Ave SW	No other related complaints identified	Water from alley flow into driveway. This a private issue - the source of surface water runoff is the alley, which is privately owned.		Field visit (11/12/08), Call leave message (11/13/08), sent out BMP		Private Issue										
129	2/28/2012	2012 Maintenance Staff	S. 116th Pl and 30th Ave SW	No other related complaints identified	Public water to private water and back to public water through an existing cul-da-sac that has an existing bioswale. There are houses on steep slopes. The sewer main is broken and has taken house down the hills. A study is needed. This may be a private issue?		This location was to be designed by the City two years ago. Depending on design, the City may be able to do in house. Otak needs a copy of the design to determine an appropriate cost estimate. Past review by attorney indicated that this is a private issue. Drainage pattern matches natural flow path. Private owner is responsible for accepting and passing City water through her the property.		Private Issue										
24	11/6/2006	City Staff Recorded Public Citizen Complaint	SW 130th Street	67, 112	Basement is flooding		Given to Daniel & Ramesh. UPDATE: 10:40: Richard heading in that direction now.	Location could not be identified	Private Issue									0	
67	4/29/2009	City Staff Recorded Public Citizen Complaint	14922 S 132nd St	67, 112	Flooding in his property		Request meeting with Drainage Engineer												
131	2/28/2012	2012 Maintenance Staff	SW 140th and 17th Ave SW	No other related complaints identified	Private road that serves 10 properties has a failed stormwater system. The City has done maintenance in the area, but private property owner has not replaced the aging system.		This is a private issue.		Private Issue									0	
16	1/10/2006	City Staff Recorded Public Citizen Complaint	1051 SW 149TH ST	No other related complaints identified	Has a lot of water in the ground in backyard bad says that he found a clay pipe in his backyard last summer. Wants to know what it is. Neighbor says it is her irrigation line? I think he wants to know if it is a pipe he can get rid of if its bringing more water to his yard from a neighbor.				Private Issue									0	

City of Burien
Drainage Complaints - Rating/Ranking

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47	09/03/08	City Staff Recorded Public Citizen Complaint	467 S 190th St	No other related complaints identified	Sink hole in owner's backyard near bioswale		Site Visit		Private Issue									0	
74	Jul-11	July Public Survey	12017 24th Ave S	No other related complaints identified	Culvert/drainage pipe		There is a concrete pipe that someone put a corrugated plastic pipe inside. Also, the pipe system has an opening and an angle change that is impossible for me to correct. I just want help to correct this problem! It requires heavy equipment that can only access from the stormwater pond parcel. City staff should follow up with the person making the complaint.		Private Issue									0	
49	09/30/08	City Staff Recorded Public Citizen Complaint	1457 SW 150th	No other related complaints identified	Concerning about runoff from Driveway at 1451 SW 150th		Site Visit		Private Issue									0	
76	Jul-11	July Public Survey	16040 14th Ave SW	No other related complaints identified	rain runs down back yard problems with basement flooding.		Water flowing onto private property from city street, Flooding of yards or homes		Private Issue									0	
57	11/12/2008	City Staff Recorded Public Citizen Complaint	156th Ave & 1st Ave S	No other related complaints identified	Parking lot flooding		Give the City SWM map to maintenance crew	√	Private Issue									0	
115	7/20/2011 0:00	Advisory Committee Meeting - Public Surveys	15714 15th Pl SW	75, 115	Backyard flooding on the south side of Lake Burien.		Received during the AC Meeting. Photos were included and can be found in a pdf titled "Photos from Robbie Howell."		Private Issue									0	
52	10/07/08	City Staff Recorded Public Citizen Complaint	148 18th AVE SW	No other related complaints identified	Two Storm Drain		Site Visit		Not Enough Information									0	
5	2005	2005 Stormwater Drainage Master Plan: CIP Project List	14th Ave South	5, 31, 66, 89 (?)	Private property flooding due to damaged storm drainage system.		Keep this project on list.												
31	12/14/2007	City Staff Recorded Public Citizen Complaint	14th Avenue South	5, 31, 66, 89 (?)	Swale is not working – overflowing		Dan Bath assigned. Swale is operating as planned, simply over-capacity.	√	Maintenance Referral									0	
66	4/28/2009	City Staff Recorded Public Citizen Complaint	1228 S 132nd St	5, 31, 66, 89 (?)	Flooding property		HK, Sam, Ken will meet with property owner												
89	7/1/2011	2011 City Maintenance Staff	14th Ave S and S 132nd St	5, 31, 66, 89 (?)	None Provided														
122	2/1/2012	City Council Member via Public Works Director	Ambaum & 142nd	122, 123, 124, 130	There is a puddle at the intersection. Need a CB installed to collect the water.		A City Council member submitted photos to the Public Works Director to document this problem.												
123	2/1/2012	City Council Member via Public Works Director	Ambaum & 146th	122, 123, 124, 130	There is a puddle at the intersection. Need a new CB added to the existing stormwater system installed to collect the water.		A City Council member submitted photos to the Public Works Director to document this problem.	√	Maintenance Referral									0	
124	2/1/2012	City Council Member via Public Works Director	Ambaum & 148th	122, 123, 124, 130	There are puddles along the street curb.		A City Council member submitted photos to the Public Works Director to document this problem.												
130	3/19/2012	2012 Maintenance Staff	Ambaum & 140th through 148th	122, 123, 124, 130	The problem on Ambaum has had bubbling catch basins from 140th to 146th (roughly.		This problem could be because Ambaum drains to the 142nd Depression.												
81	Jul-11	July Public Survey	12244 22nd Ave S	No other related complaints identified	After a rain event, storm water drains from street down my graded driveway (eventually puddling around the south east corner of the house). I have added more gravel to level the area off and provide drainage, but the problem persists. Possible		Water flowing onto private property from city street. City maintenance crews will pave a berm to direct water to the nearest CB.		Maintenance Referral									0	
79	Jul-11	July Public Survey	410 SW 139th Street	No other related complaints identified	Critical areas issue. consistently standing water causing a hazard to pedestrians and bicyclers crossing the street as well as to drivers turning right from 4th Ave onto 139th Street South and drivers going west on 139th street crossing 4th Ave.		Standing water, Nonfunctioning storm drainage, Water over road or sidewalk impacting vehicles or pedestrians. Maintenance crews will fix this issue by installing a new CB and tie it into the existing system.		Maintenance Referral									0	
97	3/14/2011 10:41	City Staff Recorded Public Citizen Complaint	1028 S 117th St	No other related complaints identified	Street runoff missed storm drain & run into his property down S 116th St to S 117th St	Surface water run-off issue			Maintenance Referral									0	
61	1/13/2009	City Staff Recorded Public Citizen Complaint	345 S 184th St	No other related complaints identified	Runoff did not drain to ditch but on the road		Will visit the site durng raining again, berm or new CB might be a solution		Maintenance Referral									0	
108	4/5/2011 14:40	City Staff Recorded Public Citizen Complaint	12846 2nd Avenue South	No other related complaints identified	He says when it rains the ditch overflows and runs down his driveway almost into his house. Please check it out and have it cleaned.	Ditch Back-up	SWM Maintenance crew will grade ditch to fix the problem.		Maintenance Referral									0	
84	Jul-11	2011 City Maintenance Staff	S 160th St and 1st Ave S	No other related complaints identified	Northbound on 1st Ave S				Maintenance Referral									0	
4	2005	2005 Stormwater Drainage Master Plan: CIP Project List, 2012 Maintenance Staff	1st Avenue S and SW 132nd Street, Local Depressions at 4th Avenue South and S 132nd Street, 1st Avenue S and SW 132nd Street,	No other related complaints identified	Private property and right of way flooding around and near the depression.		Whatney Property There is an issue with yard flooding and some flooding of homes during the 100-year+ storm event. Purchase additional property, design infiltration pond, and pipe water to the new facility. Maintenance crews can grad this ditch so that it has proper flow.	√	Maintenance Referral									0	
75	Jul-11	July Public Survey	1808 SW 156th	75, 115	Critical areas issue. storm drain drains into Lake Burien and frequently it functions poorly and does not sequester the oils and other pollutants. It is a poor quality separator. Over the years it has backed up or overflowed.		Water flowing onto private property from city street, Nonfunctioning storm drainage, Flooding of yards or homes. fairly large quantites of water flowing onto private property Below: I am blind and do not have photos. NOTE ALSO that on 152nd between 10th and 18th, there are large quantities of pollutants that wash into the lake.	√	Maintenance Referral									0	
107	4/5/2011 14:34	City Staff Recorded Public Citizen Complaint	112 SW 157th Street	No other related complaints identified	The large area where the road meets their parking lot that keeps eroding or sinking so that people are bottoming out when they pull into the lot. This is at 112 SW 157th Street and she says that there is quite a pond that forms there whenever it rains.	Erosion Damage	This is a paving issue - can be completed by the Street Department.	√	Maintenance Referral									0	
62	1/16/2009	City Staff Recorded Public Citizen Complaint	15855 11th Ave SW	62, 83, 116	- Flooded house due to clogged catch basin on the driveway - Sand from the street to her catch basin - Asked asphalt berm on her property		Maintenance crews can pave a berm to redirect the water.												
83	Jul-11	July Public Survey	15648 11 ave sw	62, 83, 116	Stream or Ditching Issue. The drain itself location does not catch correct. It pushes the water to the street, then gravel in parking strip keep in street, which in turn my drain not correct so on down the street on 11th SW.What it does is push the gravel down the street, drains not utilized.		Water flowing onto private property from city street,Nonfunctioning storm drainage. Maintenance crews can lower the existing CB.		Maintenance Referral									0	

City of Burien
Drainage Complaints - Rating/Ranking

Prepared by Otak Inc. **Updated: 3/21/12**

Complaints deleted - 1, 35,36,39,40,41,42,43, 111(follow-up to #109), 63 (IDDE Problem), 95 (no address, cannot locate/follow-up)

Otak Work (November 2011, updated January 2012)									Otak Work (updated March 2012)										
Otak ID	Date	Source	Address	Related Complaints	Problem Description	Type of Problem - City Defined	City Action/Other Information	Site Visit Conducted?	Categorization	Flood Location	Flood Source	Flood Frequency	Erosion	Water Quality	Habitat	Economic Impact	Complaint History	Total Score	Ranking for CIP
										1.5	1.5	1	1	1.5	1	1	1.5		
116	7/20/2011 0:00	Advisory Committee Meeting - Public Surveys	152nd SW, 20th SW 155th, SW 158th, 11th SW, 10th SW, 9th SW and 149th SW.	62, 83, 116	Street flooding programs and standing water problems.		Received during the AC meeting from Chestine Edgar. A Map was provided of problems areas and can be found in a pdf titled "Comment from Chestine Edgar."												
78	Jul-11	July Public Survey	14626 12th Avenue SW	No other related complaints identified	localized flooding occurred this last fall during heavy rains. Flooding is about midway down towards right side of property and covered the sidewalk between row of shrubs and grass adjacent to street. Deepest area of flooding was 3-4".		Water over road or sidewalk impacting vehicles or pedestrians, Flooding of yards or homes		Maintenance Referral									0	
71	Jul-11	July Public Survey	1458 SW 152nd St	No other related complaints identified	Flooding of side yard. In fall and winter months. Water flowing out from curb on East side of 16th.		Nonfunctioning storm drainage, Water over road or sidewalk impacting vehicles or pedestrians, Flooding of yards or homes		Maintenance Referral									0	
101	3/18/2011 13:47	City Staff Recorded Public Citizen Complaint	2844 SW 167th Pl	No other related complaints identified	Check gravity main.	Check Gravity Main			Maintenance Referral									0	
102	3/24/2011 11:20	City Staff Recorded Public Citizen Complaint	411 S 164TH ST	No other related complaints identified	Underground water reportedly found by Brian. Water District 49 near the incident address.	Check Gravity Main			Maintenance Referral									0	
91	Jul-11	2011 City Maintenance Staff	1st Ave and 163rd St pond	No other related complaints identified	*None Provided*		Check on site visit in Feb 2012.		Maintenance Referral									0	
73	Jul-11	July Public Survey	1032 sw 150th	No other related complaints identified	Stream or Ditching Issue. Needs gravel and packing.		Standing water,Nonfunctioning storm drainage, Water over road or sidewalk impacting vehicles or pedestrians, Flooding of yards or homes		Maintenance Referral									0	
64	2/6/2008	City Staff Recorded Public Citizen Complaint	1058 SW 150th St Mailing address: 1210 SW 152nd St, Burien. 98166	64, 68	Claiming flooding from city street into her basement.		Field visit. System was cleaned in 2009.		Completed									0	
68	5/5/2009	City Staff Recorded Public Citizen Complaint	1058 SW 150th St	64, 68	Claiming flooding from city street into his basement		Field visit, photos taken, telling him that flooding occurred in private property. His property located at a low point All drainage structures cleaned a few month ago. He contacted HK for wanting immediate response. He still believed the problem descriptions, Vactor completed on 5/7/2009. System was cleaned in 2009.												
51	10/06/08	City Staff Recorded Public Citizen Complaint	16048 9th AVE SW	No other related complaints identified	Neighbor filled the ditch		Site Visit		Completed									0	
69	5/29/2009	City Staff Recorded Public Citizen Complaint	2323 SW 172nd St	No other related complaints identified	Runoff overflow into their property		Field check on 5/28/2008		Completed									0	
120	2/1/2012	City Council Member via Public Works Director	21st & 156th		No existing stormwater system. There is puddling along 21st.		A City Council member submitted photos to the Public Works Director to document this problem. Maintenance crews will monitoring - there are existing ditches at this location.		Maintenance Referral									0	
121	2/1/2012	City Council Member via Public Works Director	152nd & 18th		There is a puddle at the intersection of 152nd & 18th. There is an existing CB at the intersection.		A City Council member submitted photos to the Public Works Director to document this problem. Paving issue - Street Department will make the repairs.		Maintenance Referral									0	
94	1/7/2010 10:15	City Staff Recorded Public Citizen Complaint	12029 26TH AVE SW	No other related complaints identified	Claiming that existing CB did not collect street runoff leading to flooding into private property and eroding existing retaining wall	Surface water run-off issue			Maintenance Referral									0	
65	4/6/2009	City Staff Recorded Public Citizen Complaint	12841 2nd Ave S	No other related complaints identified	Sinking hole water coming out and flooding into her property		Field visit on 4-6-2009, will schedule VDO inspection on 3-15-2009		Completed									0	
30	12/14/2007	City Staff Recorded Public Citizen Complaint	12th Avenue SW	No other related complaints identified	Street runoff is overflowing her driveway drain. Would like to talk to King County vactor crew.		Called Ken @ 12:56 pm. Sam dug a trench in the shoulder and rerouted the water so it won't go into her garage. She will need sandbags.		Completed									0	
98	3/14/2011 10:46	City Staff Recorded Public Citizen Complaint	11844 12th Ave S	No other related complaints identified	Exposed pipe & Drain Washout	Check Gravity Main			Completed									0	
20	11/6/2006	City Staff Recorded Public Citizen Complaint	6th Avenue South	No other related complaints identified	Silt from Cedarhurst is running down street and into yards. Flooding house				Completed									0	
109	4/11/2011 15:38	City Staff Recorded Public Citizen Complaint	1407 sw 143rd st	No other related complaints identified	Ditching the ditch request	Check Gravity Main	Meet with Steve Hopkins on Friday 5/31 at 8am to look at the work he wants to have done on the ditch in front of his house.		Completed									0	
114	7/20/2011 0:00	Advisory Committee Meeting - Public Surveys	1431 SW 152nd St	No other related complaints identified	Flooding from 152nd clogged and inadequate Burien stormwater drainage system. The untreated water flows into the Lake Burien.		Received during the AC Meeting. Photos were included and can be found in a pdf titled "Photos from Robbie Howell."		Completed									0	
100	3/18/2011 13:45	City Staff Recorded Public Citizen Complaint	531 S 137th pl	No other related complaints identified	Check gravity main.	Check Gravity Main	GM inspection request.		Completed									0	

City of Burien
Drainage Complaints - Rating/Ranking

Prepared by Otak Inc. **Updated: 3/21/12**

Complaints deleted - 1, 35,36,39,40,41,42,43, 111(follow-up to #109), 63 (IDDE Problem), 95 (no address, cannot locate/follow-up)

Otak Work (November 2011, updated January 2012)									Otak Work (updated March 2012)										
Otak ID	**Date**	**Source**	**Address**	**Related Complaints**	**Problem Description**	**Type of Problem - City Defined**	**City Action/Other Information**	**Site Visit Conducted?**	**Categorization**	**Flood Location**	**Flood Source**	**Flood Frequency**	**Erosion**	**Water Quality**	**Habitat**	**Economic Impact**	**Complaint History**	**Total Score**	**Ranking for CIP**
										1.5	1.5	1	1	1.5	1	1	1.5		
70	7/16/2009	City Staff Recorded Public Citizen Complaint	2335 SW 116th St	70, 110	Puddling on the street. The property owners asked installation of a CB or overlay. Issued originally to Daniel Bretzky and Samir B.		HK visited the site, met De Eda (206-268-0633), Terry Joggins, Colleen Webster, Inform to Samir AMM Comment: if this is a maintenance referral, is the problem at 2223 SW 114th a similar issue that can be addressed at the same time?		Completed									0	
110	5/16/2011 9:55	City Staff Recorded Public Citizen Complaint	2223 sw 114th st	70, 110	Flooding. want to check if we have any solutions or recommendations for her	Surface water run-off issue													
18	1/10/2006	City Staff Recorded Public Citizen Complaint, 2012 Maintenance Staff	4TH AVE SW between 146TH and 148TH	**No other related complaints identified**	the depression on 4th AVE SW between 146th ST and 148th ST flooded. King County crews unclogged the basins along the west side of 4th. Lanes were temporarily closed.				Completed									0	
112	6/3/2011 16:23	City Staff Recorded Public Citizen Complaint	13226 4th Ave S	**No other related complaints identified**	Ditch check	Check Gravity Main		√	Completed									0	
99	3/14/2011 10:47	City Staff Recorded Public Citizen Complaint	16025 25th Avenue SW	No other related complaints identified	Mr. Sharkey reports that a depression is forming in the roadway and his rockery has shifted a bit because of it.	Erosion Damage	No existing drainage system; a new system needs to be installed. This has been completed by the Street Department.	√	Completed									0	
14	2011	Engineering Staff - 2011	17225 Ambaum Blvd S	No other related complaints identified	The runoff from the City's drainage system at the discharge point (DC6898)-near 17225 Ambaum Blvd S, has not been discharged well. There is also a shoulder erosion problem nearby. It was reported that these problems have been going on in the past few years. This discharge point is collected the runoff from the street and shoulder of street on Ambaum Blvd S from S. 170th St to S 173rd Pl. Most of street and shoulder runoff on easterly side of Ambaum Blvd S going into our storm drain system. Also, the discharge point DC6898 (outlet) is at least 1.5 feet below existing ground level of the wetland; as a result, the runoff trends to stand near the point, which leads to sometimes having high water level in CB3923 or backup runoff. The level of the wetland downstream may also have higher elevation than the discharge point.		Perform wetland enhancement or mitigation. Since this wetland belongs to private, it may need to get a drainage easement from property owner. It was estimated per our GIS map that the length of this wetland to where the runoff finally meet the Walker Creek was 530 ft. The appropriate environmental permits are required. Shoulder or drainage works are also part of these scopes to reduce existing erosion problems or to increase the capacity of the systems		Completed									0	
21	11/6/2006	City Staff Recorded Public Citizen Complaint	8th Avenue SW	21, 46	Sam reports that water is by-passing the drains and they will need sandbags or some way to divert the water.		Sam & Richard sent out to this location. Unplugged culvert – water is bypassing catch basin – built in WRONG location.		Completed									0	
46	12/14/2007	City Staff Recorded Public Citizen Complaint	8th Avenue SW	21,46	Water is missing the ditch and eroding around mailboxes		Dan checked it out – no flooding problem but needs to have erosion problem fixed. E-mailed to Daniel to attend to after storm event is over.												
22	11/6/2006	City Staff Recorded Public Citizen Complaint	Des Moines Memorial Drive	No other related complaints identified	Water coming off of Moshier Field into the back of her "C" Building – units are starting to flood		Dan/Mike sent to this location. UPDATE: 10:48 a.m.: Myron is out there with sandbags to alleviate the problem.		Completed									0	
28	11/6/2006	City Staff Recorded Public Citizen Complaint	Sylvester Road SW	Maybe related: 28, 45	Water running into the yard/house of a 94-year old man. Linda is his "watcher".		Small berm put in; FD will check into bagging the driveway.		Completed									0	
45	12/14/2007	City Staff Recorded Public Citizen Complaint	Sylvester Road SW	Maybe related: 28, 45	Water is building up on 8th Place SW		Sam & Richard sent out to this location												
29	12/14/2007	City Staff Recorded Public Citizen Complaint	Shorecrest Drive SW	No other related complaints identified	Water bubbling up from CB		Daniel inspected; normal storm flow, CB overwhelmed by not clogged		Completed									0	
32	12/14/2007	City Staff Recorded Public Citizen Complaint	15th Avenue SW	No other related complaints identified	Yard is flooding		Dan/Richard sent there.		Completed									0	
33	12/14/2007	City Staff Recorded Public Citizen Complaint	30th Avenue SW	No other related complaints identified	Concerned about water going down 30th Avenue SW and flooding at the bottom. Drain that was installed is too high and water is just going around it and down the hill		John O out to check on it @ 11:02. 12:02 – John checked it out and all is OK, some water going past CBs, but entering them further down the road.		Completed									0	
34	12/14/2007	City Staff Recorded Public Citizen Complaint	4th Avenue South	No other related complaints identified	Water coming down hill into her yard.		Ken will check it out. Trench was dug to relieve water runoff		Completed									0	
37	12/14/2007	City Staff Recorded Public Citizen Complaint	8th Place SW	No other related complaints identified	8th Place is overflowing. She checked drains and cleared leaves. Water is bubbling out at the fire hydrant		Given to Dan/Richard. They checked and it looks like where the water was coming out is from a neighbor's house drain. All is flowing OK – just too much water.		Completed									0	
44	12/14/2007	City Staff Recorded Public Citizen Complaint	SW 148th Street	No other related complaints identified	Coluccio setting traffic control at flooding. Outside lane closed		UPDATE: 1:07 – 1 WB lane to be opened & turn lane on 1st reopened. Sweeped is needed to get rid of bark on roadway.		Completed									0	
53	10/07/08	City Staff Recorded Public Citizen Complaint	1218 SW 118th St	No other related complaints identified	Owner complained that there was existing ditch in front of his property and was filled by the City 3 years ago		Site Visit and perform GIS verification; there was no existing ditch at location		Completed									0	
54	10/08/08	City Staff Recorded Public Citizen Complaint	1409 SW 164th St	No other related complaints identified	Drainage coming from alley and going into his property		City & king County will install a berm at driveway in front of his property so that storm water will be drained to existing ditch		Completed									0	
59	11/12/2008	City Staff Recorded Public Citizen Complaint	14906 21st ST SW ' - the previous owner passed away and the son want to sell the house - Lower land	No other related complaints identified	Pipe flow into property owner's back yard ditch system		Field visit, Need review of BSF114 and BSF180 - Natural water course, no drainage complaints records before		Completed									0	

Appendix 4-3: CIP Projects: Project Descriptions, Cost Estimates and Project Sketches

City of Burien
Project #31760
Prepared by Otak Inc.
Updated: 6/10/12

City of Burien Stormwater Capital Improvement Projects

Project Title	CIP ID	Complaint IDs	Location	Type	Problem Description	Project Description	Project Cost
Capacity Improvement at 4th Avenue SW	CIP 1	60, 88	Near the intersection of 4th Ave SW and SW 158th St	Capital Construction Project	Large Scour Hole on Creek - close to a privately owned garage. Erosion of the stream is moving more sediment downstream.	Re-routing of roadway drainage away from erosion area; increasing capacity on 4th Avenue SW drainage system.	$552,000
20th Ave SW Drainage Improvements	CIP 2	113	20th Ave SW Near Lake Burien	Capital Construction Project	No existing stormwater system causes localized flooding of the roadway. Possible water quality concern.	Add new stormwater system on the east side of the street. Consider installing water quality treatment to treat road runoff.	$390,000
20th Ave S between S 120th Ave and S 124th St Drainage Improvements	CIP 3	13, 15	20th Ave S between S 120th Ave and S 124th St	Capital Construction Project	Replace aging/failing stormwater system on 20th Ave S.	Replace existing stormwater system to 20th Ave S. Verify/upgrade system capacity. Consider installing water quality treatment to treat road runoff.	$441,000
SW 165th St between 16th Ave SW and 19th Ave SW	CIP 4	55, 56, 92	SW 165th St between 16th Ave SW and 19th Ave SW	Capital Construction Project	No existing stormwater system causes localized flooding of the roadway.	Add new stormwater system to SW 165th St. Consider installing water quality treatment to treat road runoff and adding sidewalks to the street.	$322,000
SW 135th St and 6th Ave SW Drainage Improvements	CIP 5	17, 104, 106	SW 135th St and 6th Ave SW (Near House #607)	Capital Construction Project	No existing stormwater system causes localized flooding of the roadway and adjacent private property.	Add new stormwater system to SW 135th St at 6th Ave SW to manage public water and keep it off private property. Consider use of LID techniques.	$154,000
SW 152nd and 8th Ave SW Drainage Improvements	CIP 6	50, 82, 93	SW 152nd and 8th Ave SW	Capital Construction Project	The City's stormwater system is under capacity, which causes flooding of a privately owned commercial parking lot. The City has an easement for the stormwater system that is partially located on private property.	Upsize existing stormwater conveyance system.	$457,000
25th Ave SW Drainage Improvements	CIP 7	7	25th Avenue SW Drainage System near Maplewild Avenue NW	Capital Construction Project	Erosion and sedimentation of streams 0367 and 0368. (Project Identified in 2005 DMP)	Provide a new 18- to 24-inch diameter pipe along 25th Ave SW and connect to the existing storm drainage system located at Maplewild Ave SW. Acquire storm drainage easement for the portion of the new storm drainage system that is located on private property. Provide water quality treatment manhole at the downstream end of the new drainage system.	$799,000
4th Ave S/Blake Manor Neighborhood Drainage Improvements	CIP 8	48	4th Ave S between S 168th St and S 165th St	Capital Construction Project	No existing stormwater system causes localized flooding of the roadway.	Add new stormwater system at 4th Ave S from S 165th St to S 168th St	$639,000
Lake Burien System Retrofit	Study 1	90, 117, 118	Lake Burien/Miller Creek Watershed	Study	Flooding and water quality issues in Lake Burien and downstream system to Miller Creek.	Evaluation of water quality retrofit opportunities in Lake Burien drainage basin and capacity evaluation for downstream system.	$250,000
NERA Master Draiange Plan	Study 2	128	NERA	CIP	Regional stormwater plan needed to support NERA development.	Master Drainage Plan to locate and design regional stormwater management facilities.	$350,000
Des Moines Memorial Drive and S 175th St Sediment Study	Study 3	38, 87	Des Moines Memorial Drive S and S 175th St	Study	Sediment accumulation behind a recently installed beaver deceiver is causing flooding of the roadway.	Sediment Management Study/Source Tracing	$100,000
Hermes and Mayfair Depressions Master Plan	Study 4	10, 19	Hermes Depression, Mayfair Depression	Study	Flooding occurs in the Hermes and Mayfair Depressions. Long term regional stormwater management needed.	Regional Plan for stormwater retention and water quality facilities	$200,000
142nd Street Depression Improvements	Study 5	25, 26, 27, 85	142nd St Depression	Study	Two detention ponds are connected, but have no outlet. During large rainfall events the pond overflow and flood public ROW and adjacent private property.	Geotechnical investigation to confirm infiltration capacity. Possible retrofit of pond with infiltration or install a high flow bypass or add a pump to the pond with no outlet.	$150,000
Arbor Lake Water Quality Lake Management Plan	Study 6	127	Arbor Lake	Study	There are water quality issues in the lake including algae blooms and no swimming warnings in the summer.	Arbor Lake has water quality issues, especially in the summer. Develop a Water Quality Lake Management Plan.	$150,000
Ambaum Blvd SW/SW 120th Block Drainage Improvements	SWP 1	119	Ambaum Blvd SW and SW 120th Block	Small Works Project	No existing stormwater system causes localized flooding of the roadway.	Add new CB and pipe to existing system in the low point in the road	$100,000 *allocated*
Occidental Ave S Drainage Improvements	SWP 2	103, 105	Des Moines Memorial Drive S and S 116th St - S 118th St	Small Works Project	Overland erosion on both sides of street. Runoff from the roadway floods a local property owner.	Repave road and install asphalt berms to keep stormwater within public ROW. There is a 12" high pressure gas main, which means installing a new stormwater system may be impossible.	$100,000 *allocated*
Eagle Landing Park/25th Ave SW Drainage Improvements	SWP 3	80	25th AVE SW (Near House #14639)/Eagle Landing Park	Capital Construction Project	Overland erosion caused by public water onto private property.	Install a dispersion trench into the park to divert water over a larger area into the park and away from private property.	$100,000 *allocated*
116th Ave SW between 1st Ave and 4th Ave SW at Church Drainage Improvements	SWP 4	125	116th Ave SW between 1st Ave SW and 4th Ave SW	Small Works Project	There is a 30" pipe that drains to an existing ditch (City has a 10' easement) adjacent to a church parking lot that abruptly ends. Water disperses into a forested area then drains to an existing pipe and then into an existing detention pond. The dispersion into the wooded area causes the water to slow down and silt up behind the existing pipe.	Install new stormwater system on existing 10' easement from the church property to the downstream pond. (This solution needs some further refinement/discussion)	$100,000 *allocated*

City of Burien: CIP Project Summary Sheet

PROJECT TITLE:
CIP #1: Capacity Improvement at 4th Avenue SW

PROJECT LOCATION (OTAK IDs):
Near the Intersection of 4th Ave SW and SW 158th St, near the creek that runs from Lake Burien to Miller Creek. (Otak IDs 66, 88)

PROBLEM DESCRIPTION:
Large Scour Hole on Creek - close to a privately owned garage. Erosion of the stream is moving more sediment downstream.

PROJECT DESCRIPTIONS:
Reroute existing stormwater flows from 4th Ave SW (north of SW 158th St) away from problem area and into existing stormwater system on 4th Ave SW. Replace existing 12" pipe with a new 18" pipe to increase capacity for 720 linear feet. Consider installation of energy dissipator on the creek upstream of SW 158th St.

DESIGN CONSIDERATIONS:

- Conduct an H&H Analysis of the system to ensure an 18" pipe is large enough to convey the re-routed flow rates.

ESTIMATED PROJECT COSTS:
$552,000

PROJECT SKETCH

City to Provide

PROJECT LOCATION PHOTOS

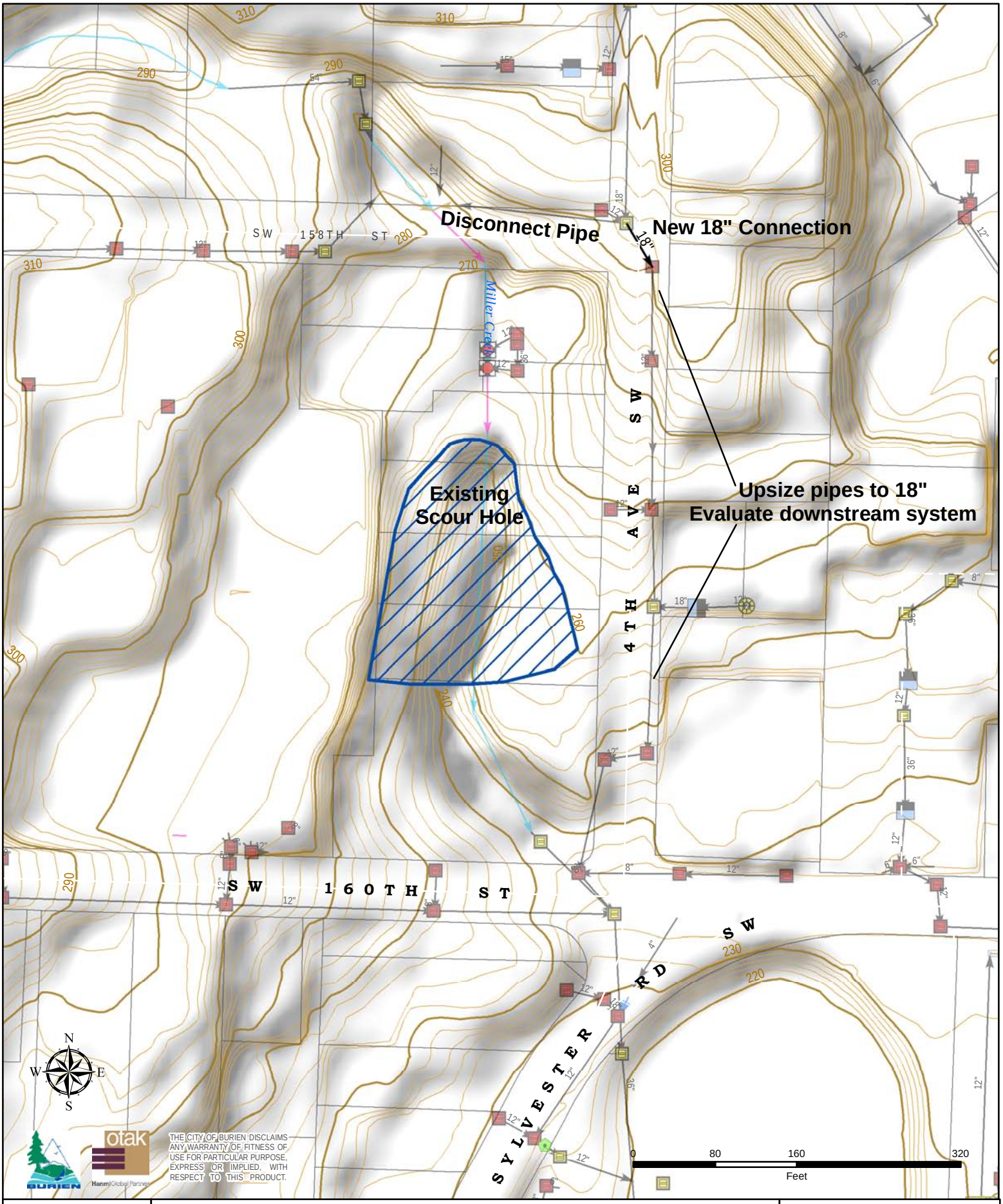
PLANNING LEVEL PROJECT COST OPINION

PROJECT: **Capacity Improvement at 4th Ave SW**
PROJECT ID: **CIP 1** **CHECK BY: JLC**
BY: **JSA** **DATE: 5/22/2012**

ITEM NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT
Construction Elements					
1	REMOVING ASPHALT CONC. PAVEMENT	300	SY	$ 40.00	$ 12,000
2	STRUCTURE EXCAVATION CLASS B INCL. HAUL	500	CY	$ 7.00	$ 3,500
3	SHORING OR EXTRA EXCAVATION CLASS B	1,440	SF	$ 2.00	$ 2,900
4	SAWCUTTING	1,448	LF	$ 4.00	$ 5,800
5	CORRUGATED POLYETHYLENE STORM SEWER PIPE, 18-IN DIAM	720	LF	$ 30.00	$ 21,600
6	CATCH BASIN TYPE 1	5	EA	$ 2,500.00	$ 12,500
7	ASPHALT TREATED BASE	85	TON	$ 150.00	$ 12,900
8	HMA, CL 1/2-IN PG	68	TON	$ 150.00	$ 10,300
9	GRAVEL BACKFILL FOR PIPE ZONE BEDDING	213	CY	$ 55.00	$ 11,800
10	GRAVEL BORROW INCL. HAUL	401	TON	$ 20.00	$ 8,100
11	CONNECT TO DRAINAGE STRUCTURE	2	EA	$ 1,000.00	$ 2,000
12	UTILITY RELOCATIONS	1	LS	$ 15,000.00	$ 15,000
13	ROADSIDE RESTORATION	1	LS	$ 5,000.00	$ 5,000
14	STREAM BANK STABILIZATION	1	LS	$ 100,000.00	$ 100,000
			Subtotal Construction Elements		**$ 223,400**
Required Ancillary Items					
15	EROSION & SEDIMENTATION CONTROL		10%	(see note 3)	$ 22,400
16	TRAFFIC CONTROL		10%	(see note 4)	$ 22,400
17	CONTINGENCY		30%		$ 67,100
				Subtotal Ancillary	$ 111,900
				Subtotal Construction + Ancillary	**$ 335,300**
Mobilization					
18	MOBILIZATION		10%		$ 33,530
				Subtotal Construction + Ancillary + Mobilization	**$ 368,830**
Tax/Engineering/Management/Permitting					
19	STATE SALES TAX		9.5%		$ 35,100
20	ENGINEERING/LEGAL/ADMIN		25%		$ 92,300
21	CONSTRUCTION MANAGEMENT		10%		$ 36,900
22	PERMITTING		5%		$ 18,500
				Subtotal	$ 182,800
				Subtotal Construction + Ancillary + Mobilization + Tax/Engineering/Management/Permitting	**$ 551,630**
2012 Dollars	**Total Estimated Project Cost (Rounded)**				**$ 552,000**

Notes:

1. The above cost opinion is in 2012 dollars and does not include future escalation, financing, or O&M costs.
2. The order-of-magnitude cost opinion has been prepared for guidance in project evaluation from the information available at the time of preparation and for the assumptions stated. The final costs of
3. Increase percentage markup if work is in or immediately adjacent to flowing or standing water, steep slope, and/or other erosion-prone conditions.
4. Increase percentage markup if work is in or immediately adjacent to secondary, arterial, or other high-volume road or temporarily closes a roadway.
5. Land Acquisition unit costs include Administrative Costs and Condemnation and are based on a unit price of $8/SF. These costs are not the assessed value of the property.



CIP 1	Capacity Improvement at 4th Avenue SW	May 2012

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Last updated: 7/9/2012
By: Fernandol

PROJECT TITLE:
CIP #2: 20th Ave SW Drainage Improvements

PROJECT LOCATION (OTAK IDs):
20th Ave SW near Lake Burien between SW 152nd St and SW 154th St (113)

PROBLEM DESCRIPTION:
No existing stormwater system causes localized flooding of the roadway and private property. Overland flow during flooding drains to Lake Burien. There is no existing water quality treatment, with the exception of oil/water separator that treats a portion of 20th Ave SW.

PROJECT DESCRIPTIONS:
Install up to 5 new catch basins and 550 linear feet of new 12" pipe along the east side of 20th Ave SW. Upgrade the existing oil/water separator to provide stormwater treatment before discharging to Lake Burien using a mechanical system such a StormFilter.

DESIGN CONSIDERATIONS:

- Right-of-way limits
- Water Quality/Lake Water Quality

ESTIMATED PROJECT COSTS:
$390,000

PROJECT SKETCH

City to Provide

PROJECT LOCATION PHOTOS

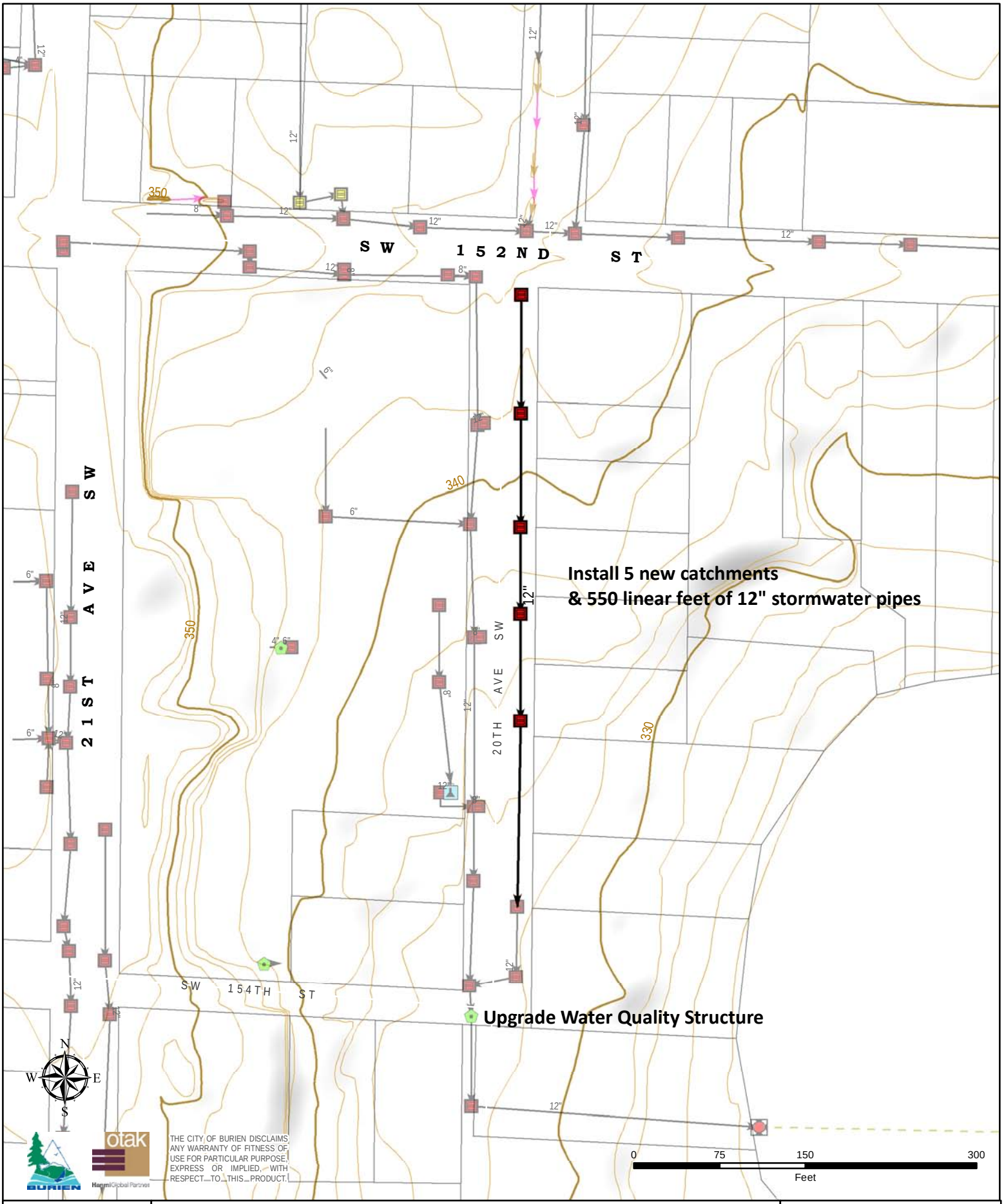
PLANNING LEVEL PROJECT COST OPINION

PROJECT: **20th Avenue SW Drainage Improvements**
PROJECT ID: **CIP 2** **CHECK BY: JLC**
BY: **JSA** **DATE: 04/25/2012**

ITEM NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT
Construction Elements					
1	REMOVING ASPHALT CONC. PAVEMENT	199	SY	$ 40.00	$ 8,000
2	STRUCTURE EXCAVATION CLASS B INCL. HAUL	397	CY	$ 7.00	$ 2,800
3	SHORING OR EXTRA EXCAVATION CLASS B	2,200	SF	$ 2.00	$ 4,400
4	SAWCUTTING	1,107	LF	$ 4.00	$ 4,500
5	CORRUGATED POLYETHYLENE STORM SEWER PIPE, 12-IN DIAM	550	LF	$ 25.00	$ 13,800
6	CATCH BASIN TYPE 1	5	EA	$ 2,500.00	$ 12,500
7	ASPHALT TREATED BASE	57	TON	$ 150.00	$ 8,500
8	HMA, CL 1/2-IN PG	45	TON	$ 150.00	$ 6,800
9	GRAVEL BACKFILL FOR PIPE ZONE BEDDING	134	CY	$ 55.00	$ 7,400
10	GRAVEL BORROW INCL. HAUL	388	TON	$ 20.00	$ 7,800
11	CONNECT TO DRAINAGE STRUCTURE	1	EA	$ 1,000.00	$ 1,000
12	OIL/WATER SEPARATOR	1	EA	$ 15,000.00	$ 15,000
13	STORMFILTER	1	EA	$ 45,000.00	$ 45,000
14	UTILITY RELOCATIONS	1	LS	$ 15,000.00	$ 15,000
15	ROADSIDE RESTORATION	1	LS	$ 5,000.00	$ 5,000
				Subtotal Construction Elements	**$ 157,500**
Required Ancillary Items					
15	EROSION & SEDIMENTATION CONTROL		10%	(see note 3)	$ 15,800
16	TRAFFIC CONTROL		10%	(see note 4)	$ 15,800
17	CONTINGENCY		30%		$ 47,300
				Subtotal Ancillary	$ 78,900
				Subtotal Construction + Ancillary	**$ 236,400**
Mobilization					
18	MOBILIZATION		10%		$ 23,640
				Subtotal Construction + Ancillary + Mobilization	**$ 260,040**
Tax/Engineering/Management/Permitting					
19	STATE SALES TAX		9.5%		$ 24,800
20	ENGINEERING/LEGAL/ADMIN		25%		$ 65,100
21	CONSTRUCTION MANAGEMENT		10%		$ 26,100
22	PERMITTING		5%		$ 13,100
				Subtotal	$ 129,100
				Subtotal Construction + Ancillary + Mobilization + Tax/Engineering/Management/Permitting	**$ 389,140**
2012 Dollars	**Total Estimated Project Cost (Rounded)**				**$ 390,000**

Notes:

1. The above cost opinion is in 2012 dollars and does not include future escalation, financing, or O&M costs.
2. The order-of-magnitude cost opinion has been prepared for guidance in project evaluation from the information available at the time of preparation and for the assumptions stated. The final costs
3. Increase percentage markup if work is in or immediately adjacent to flowing or standing water, steep slope, and/or other erosion-prone conditions.
4. Increase percentage markup if work is in or immediately adjacent to secondary, arterial, or other high-volume road or temporarily closes a roadway.
5. Land Acquisition unit costs include Administrative Costs and Condemnation and are based on a unit price of $8/SF. These costs are not the assessed value of the property.



CIP 2	20th Ave SW Drainage Improvements	May 2012

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Last updated: 5/29/2012
By: FernandoL

PROJECT TITLE:
CIP #3: 20th Ave S between S 120th Ave and S 124th St Drainage Improvements

PROJECT LOCATION (OTAK IDs):
20th Ave S between S 120th Ave and S 124th St (55, 56, 92)

PROBLEM DESCRIPTION:
Replace aging/failing stormwater system on 20th Ave S.

PROJECT DESCRIPTIONS:
Replace existing stormwater system to 20th Ave S. Install 1300 LF of new 12" pipe and 8 new catch basins. Verify/upgrade system capacity.

DESIGN CONSIDERATIONS:

- Right-of-way limits

ESTIMATED PROJECT COSTS:
$441,000

PROJECT SKETCH

City to Provide

PROJECT LOCATION PHOTOS

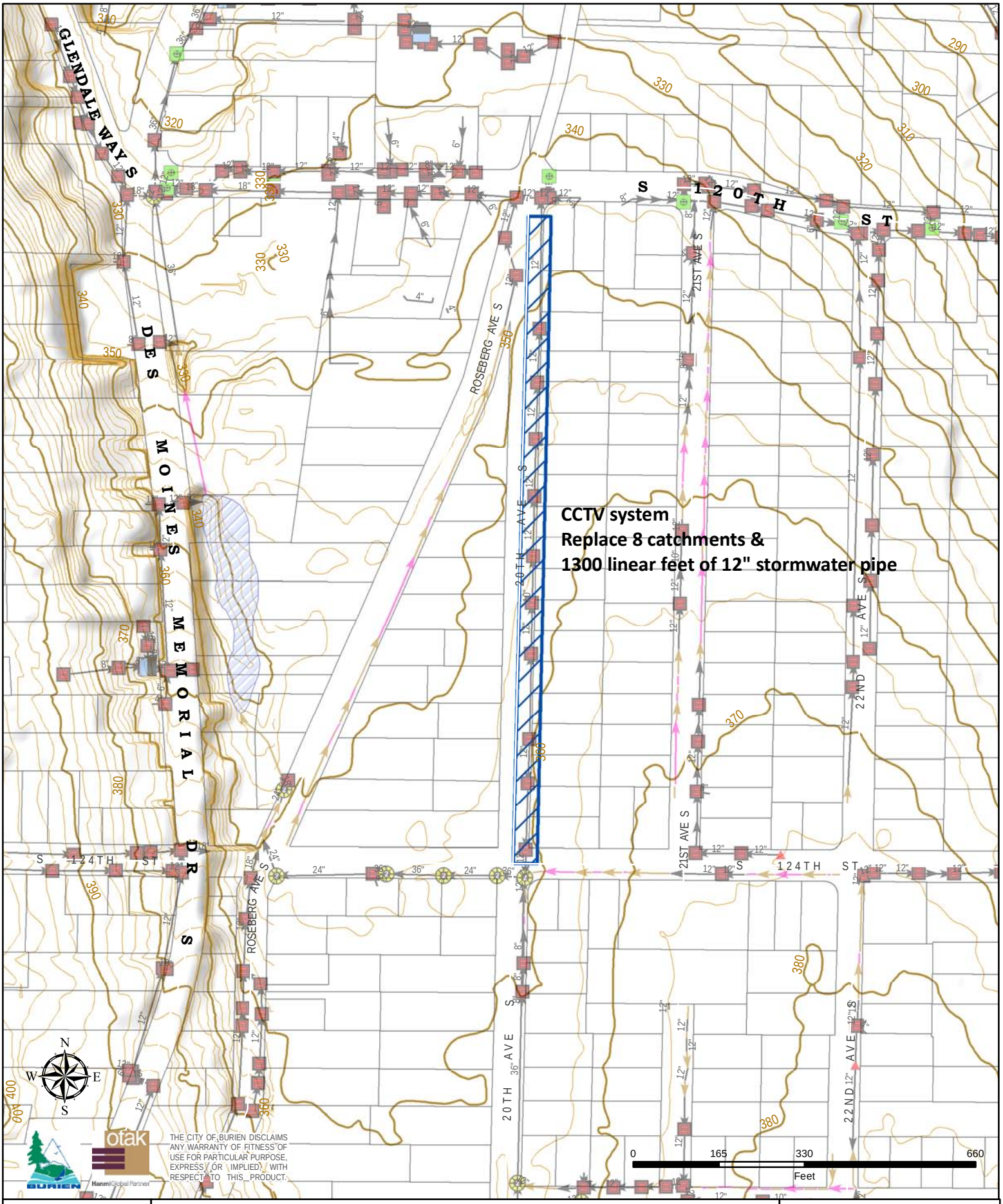
PLANNING LEVEL PROJECT COST OPINION

PROJECT: **20th Avenue South Between S. 120th Avenue & S. 124th Street Drainage Improvements**
PROJECT ID: **CIP 3** **CHECK BY: JLC**
BY: **JSA** **DATE: 04/25/2012**

ITEM NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT
Construction Elements					
1	REMOVING ASPHALT CONC. PAVEMENT	433	SY	$ 40.00	$ 17,400
2	STRUCTURE EXCAVATION CLASS B INCL. HAUL	867	CY	$ 7.00	$ 6,100
3	SHORING OR EXTRA EXCAVATION CLASS B	5,200	SF	$ 2.00	$ 10,400
4	SAWCUTTING	2,606	LF	$ 4.00	$ 10,500
5	CORRUGATED POLYETHYLENE STORM SEWER PIPE, 12-IN DIAM	1,300	LF	$ 25.00	$ 32,500
6	CATCH BASIN TYPE 1	8	EA	$ 2,500.00	$ 20,000
7	ASPHALT TREATED BASE	123	TON	$ 150.00	$ 18,600
8	HMA, CL 1/2-IN PG	99	TON	$ 150.00	$ 14,900
9	GRAVEL BACKFILL FOR PIPE ZONE BEDDING	264	CY	$ 55.00	$ 14,600
10	GRAVEL BORROW INCL. HAUL	1,013	TON	$ 12.00	$ 12,200
11	CONNECT TO DRAINAGE STRUCTURE	1	EA	$ 1,000.00	$ 1,000
12	UTILITY RELOCATIONS	1	LS	$ 15,000.00	$ 15,000
13	ROADSIDE RESTORATION	1	LS	$ 5,000.00	$ 5,000
				Subtotal Construction Elements	**$ 178,200**
Required Ancillary Items					
14	EROSION & SEDIMENTATION CONTROL		10%	(see note 3)	$ 17,900
15	TRAFFIC CONTROL		10%	(see note 4)	$ 17,900
16	CONTINGENCY		30%		$ 53,500
				Subtotal Ancillary	$ 89,300
				Subtotal Construction + Ancillary	**$ 267,500**
Mobilization					
17	MOBILIZATION		10%		$ 26,750
				Subtotal Construction + Ancillary + Mobilization	**$ 294,250**
Tax/Engineering/Management/Permitting					
18	STATE SALES TAX		9.5%		$ 28,000
19	ENGINEERING/LEGAL/ADMIN		25%		$ 73,600
20	CONSTRUCTION MANAGEMENT		10%		$ 29,500
21	PERMITTING		5%		$ 14,800
				Subtotal	$ 145,900
				Subtotal Construction + Ancillary + Mobilization + Tax/Engineering/Management/Permitting	**$ 440,150**
2012 Dollars	**Total Estimated Project Cost (Rounded)**				**$ 441,000**

Notes:

1. The above cost opinion is in 2012 dollars and does not include future escalation, financing, or O&M costs.
2. The order-of-magnitude cost opinion has been prepared for guidance in project evaluation from the information available at the time of preparation and for the assumptions stated. The final costs
3. Increase percentage markup if work is in or immediately adjacent to flowing or standing water, steep slope, and/or other erosion-prone conditions.
4. Increase percentage markup if work is in or immediately adjacent to secondary, arterial, or other high-volume road or temporarily closes a roadway.
5. Land Acquisition unit costs include Administrative Costs and Condemnation and are based on a unit price of $8/SF. These costs are not the assessed value of the property.



CIP 3	20th Ave S between S 120th Ave and S 124th St Drainage Improvements	May 2012

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Last updated: 5/29/2012
By: FernandoL

PROJECT TITLE:
CIP #4: SW 165th St between 16th Ave SW and 19th Ave SW

PROJECT LOCATION (OTAK IDs):
SW 165th St between 16th Ave SW and 19th Ave SW (55, 56, 92)

PROBLEM DESCRIPTION:
No existing stormwater system causes localized flooding of the roadway.

PROJECT DESCRIPTIONS:
Add 2 new catch basin and 300 linear feet of new 12" pipe. Overlay the road with concave pavement to drain all water towards the center of the roadway.

DESIGN CONSIDERATIONS:

- Do not decrease the existing roadside parking.

ESTIMATED PROJECT COSTS:
$322,000

PROJECT SKETCH

City to Provide

PROJECT LOCATION PHOTOS

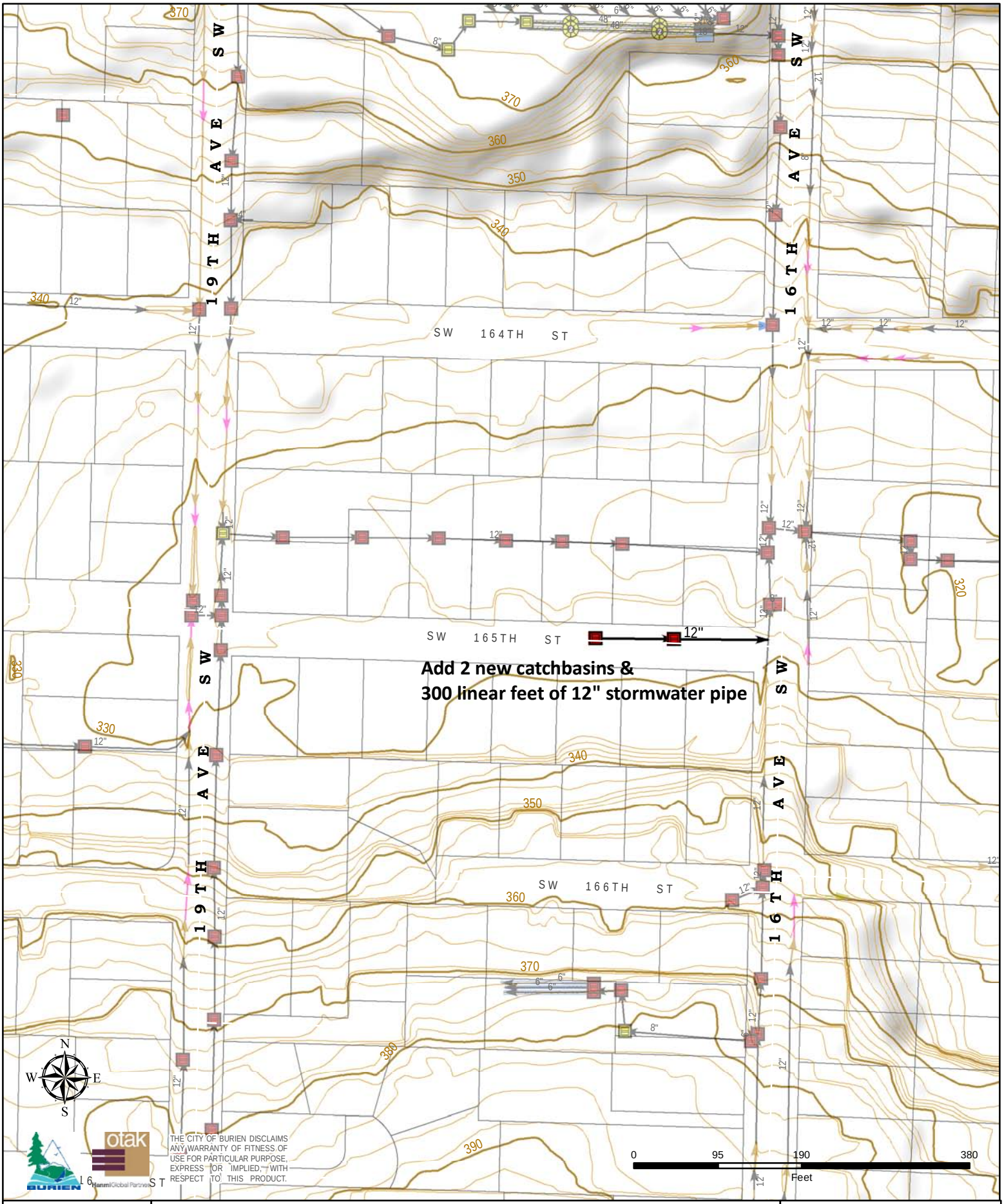
PLANNING LEVEL PROJECT COST OPINION

PROJECT: **SW 165TH Street between 16th Avenue SW and 19th Avenue SW Drainage Improvements**
PROJECT ID: **CIP 4** **CHECK BY: JLC**
BY: **JSA** **DATE: 04/25/2012**

ITEM NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT
Construction Elements					
1	REMOVING ASPHALT CONC. PAVEMENT	800	SY	$ 40.00	$ 32,000
2	SAWCUTTING	100	LF	$ 4.00	$ 400
3	STRUCTURE EXCAVATION CLASS B INCL. HAUL	395	CY	$ 7.00	$ 2,768
4	CORRUGATED POLYETHYLENE STORM SEWER PIPE, 12-IN DIAM	300	LF	$ 25.00	$ 7,500
5	GRAVEL BACKFILL FOR PIPE ZONE BEDDING	67	CY	$ 55.00	$ 3,686
6	GRAVEL BORROW INCL. HAUL	47	CY	$ 30.00	$ 1,400
7	CATCH BASIN TYPE 1	2	EA	$ 3,500.00	$ 7,000
8	CONNECT TO DRAINAGE STRUCTURE	1	EA	$ 1,000.00	$ 1,000
9	CRUSH SURFACING BASE COURSE	247	TON	$ 30.00	$ 7,400
10	ASPHALT TREATED BASE	273	TON	$ 120.00	$ 32,800
11	HMA, CL 1/2-IN PG	91	TON	$ 120.00	$ 10,934
12	UTILITY RELOCATIONS	1	LS	$ 10,000.00	$ 10,000
13	ROADSIDE RESTORATION	1	LS	$ 5,000.00	$ 5,000
				Subtotal Construction Elements	**$ 121,888**
Required Ancillary Items					
13	EROSION & SEDIMENTATION CONTROL		10%	(see note 3)	$ 12,200
14	TRAFFIC CONTROL		10%	(see note 4)	$ 12,200
15	CONTINGENCY		30%		$ 36,600
				Subtotal Ancillary	$ 61,000
				Subtotal Construction + Ancillary	**$ 182,888**
Mobilization					
16	MOBILIZATION		10%		$ 18,289
				Subtotal Construction + Ancillary + Mobilization	**$ 201,177**
Tax/Engineering/Management/Permitting					
17	STATE SALES TAX		9.5%		$ 19,200
18	ENGINEERING/LEGAL/ADMIN		35%		$ 70,500
19	CONSTRUCTION MANAGEMENT		10%		$ 20,200
20	PERMITTING		5%		$ 10,100
				Subtotal	$ 120,000
				Subtotal Construction + Ancillary + Mobilization + Tax/Engineering/Management/Permitting	**$ 321,177**
2012 Dollars	**Total Estimated Project Cost (Rounded)**				**$ 322,000**

Notes:

1. The above cost opinion is in 2012 dollars and does not include future escalation, financing, or O&M costs.
2. The order-of-magnitude cost opinion has been prepared for guidance in project evaluation from the information available at the time of preparation and for the assumptions stated. The final costs of the project will depend on actual labor and material.
3. Increase percentage markup if work is in or immediately adjacent to flowing or standing water, steep slope, and/or other erosion-prone conditions.
4. Increase percentage markup if work is in or immediately adjacent to secondary, arterial, or other high-volume road or temporarily closes a roadway.
5. Land Acquisition unit costs include Administrative Costs and Condemnation and are based on a unit price of $8/SF. These costs are not the assessed value of the property.



CIP 4	SW 165th St between 16th Ave SW and 19th Ave SW	May 2012

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Last updated: 5/29/2012
By: FernandoL

PROJECT TITLE:
CIP #5: SW 135th St and 6th Ave SW Drainage Improvements

PROJECT LOCATION (OTAK IDs):
SW 135th St and 6th Ave SW (Near House #607) (17)

PROBLEM DESCRIPTION:
No existing stormwater system causes localized flooding of the roadway and adjacent private property.

PROJECT DESCRIPTIONS:
Install a new bioretention ditch stormwater conveyance system on SW 135th St at 6th Ave SW (within the public right-of-way) on both the west and sides of the street. The purpose of the new bioretention ditches is to manage public water and keep it off private property.

DESIGN CONSIDERATIONS:

- Some local residential parking will be lost with the addition of stormwater features on SW 135th St.
- Project requires coordination with neighbors and local citizens.
- Combine with two other CIPs for design and construction bids: SW 165th St between 16th Ave SW and 19th Ave SW CIP and SW 134th St and 8th Ave SW Drainage Improvements CIP

ESTIMATED PROJECT COSTS:
$154,000

PROJECT SKETCH

City to Provide

PROJECT LOCATION PHOTOS

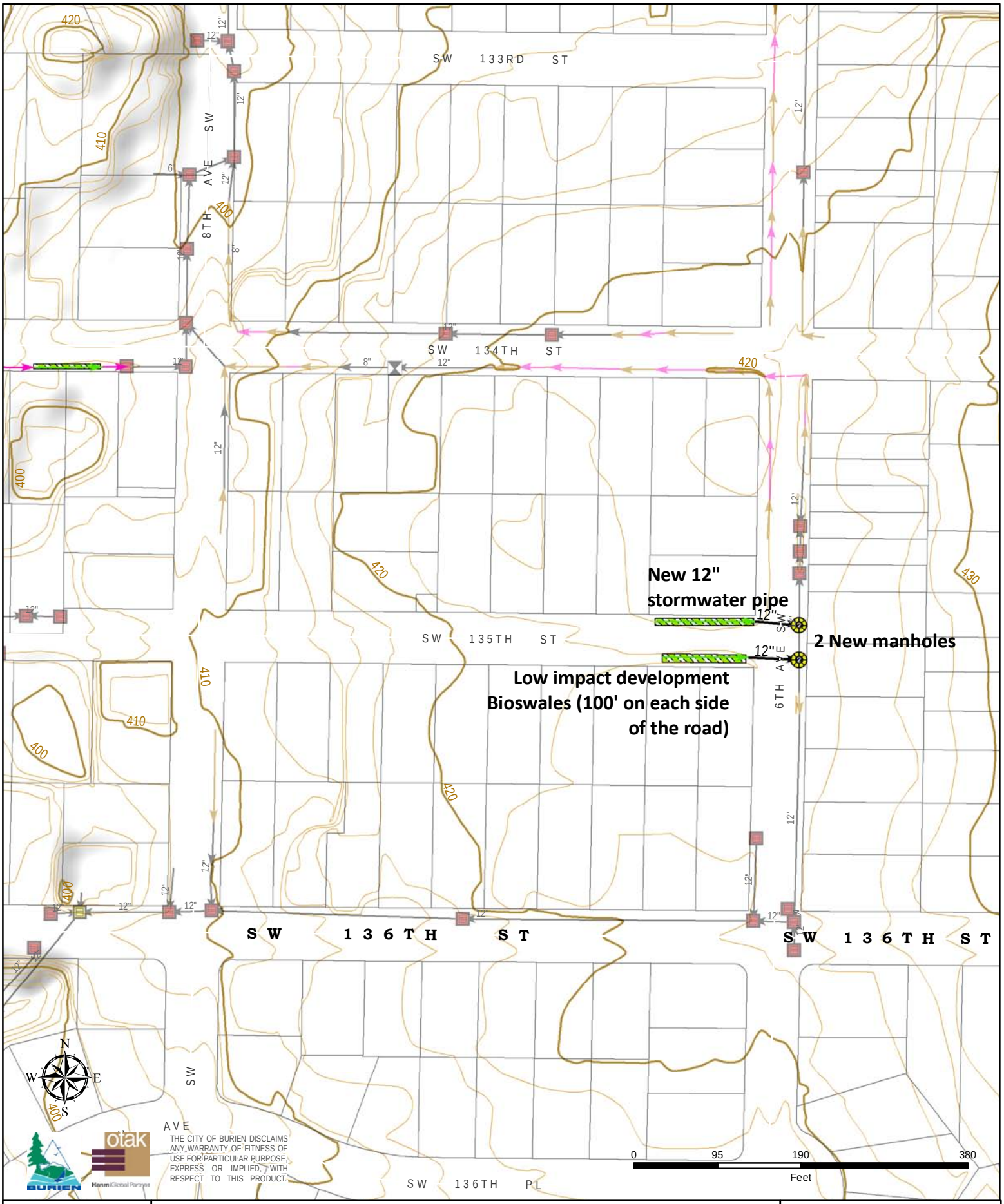
PLANNING LEVEL PROJECT COST OPINION

PROJECT: **SW 135TH Street and 6th Avenue Drainage Improvements**
PROJECT ID: **CIP 5** **CHECK BY: JLC**
BY: **JSA** **DATE: 04/25/2012**

ITEM NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT
Construction Elements					
1	REMOVING ASPHALT CONC. PAVEMENT	150	SY	$ 40.00	$ 6,000
2	SAWCUTTING	697	LF	$ 4.00	$ 2,786
3	STRUCTURE EXCAVATION CLASS B INCL. HAUL	211	CY	$ 7.00	$ 1,478
4	CORRUGATED POLYETHYLENE STORM SEWER PIPE, 12-IN DIAM	200	LF	$ 25.00	$ 5,000
5	GRAVEL BACKFILL FOR PIPE ZONE BEDDING	45	CY	$ 55.00	$ 2,457
6	GRAVEL BORROW INCL. HAUL	124	TON	$ 30.00	$ 3,730
7	MANHOLE TYPE 2 48" DIAM.	2	EA	$ 2,500.00	$ 5,000
8	CONNECT TO DRAINAGE STRUCTURE	1	EA	$ 1,000.00	$ 1,000
9	ASPHALT TREATED BASE	32	TON	$ 150.00	$ 4,841
10	HMA, CL 1/2-IN PG	16	TON	$ 150.00	$ 2,373
11	AMENDED SOIL	199	CY	$ 35.00	$ 6,981
12	PLANTINGS	78	SY	$ 20.00	$ 1,556
13	UTILITY RELOCATIONS	1	LS	$ 10,000.00	$ 10,000
14	ROADSIDE RESTORATION	1	LS	$ 5,000.00	$ 5,000
				Subtotal Construction Elements	**$ 58,202**
Required Ancillary Items					
14	EROSION & SEDIMENTATION CONTROL		10%	(see note 3)	$ 5,900
15	TRAFFIC CONTROL		10%	(see note 4)	$ 5,900
16	CONTINGENCY		30%		$ 17,500
				Subtotal Ancillary	$ 29,300
				Subtotal Construction + Ancillary	**$ 87,502**
Mobilization					
17	MOBILIZATION		10%		$ 8,750
				Subtotal Construction + Ancillary + Mobilization	**$ 96,252**
Tax/Engineering/Management/Permitting					
18	STATE SALES TAX		9.5%		$ 9,200
19	ENGINEERING/LEGAL/ADMIN		35%		$ 33,700
20	CONSTRUCTION MANAGEMENT		10%		$ 9,700
21	PERMITTING		5%		$ 4,900
				Subtotal	$ 57,500
				Subtotal Construction + Ancillary + Mobilization + Tax/Engineering/Management/Permitting	**$ 153,752**
2012 Dollars	**Total Estimated Project Cost (Rounded)**				**$ 154,000**

Notes:

1. The above cost opinion is in 2012 dollars and does not include future escalation, financing, or O&M costs.
2. The order-of-magnitude cost opinion has been prepared for guidance in project evaluation from the information available at the time of preparation and for the assumptions stated. The final costs of the project will depend on actual labor and material.
3. Increase percentage markup if work is in or immediately adjacent to flowing or standing water, steep slope, and/or other erosion-prone conditions.
4. Increase percentage markup if work is in or immediately adjacent to secondary, arterial, or other high-volume road or temporarily closes a roadway.
5. Land Acquisition unit costs include Administrative Costs and Condemnation and are based on a unit price of $8/SF. These costs are not the assessed value of the property.



CIP 5	SW 135th St and 6th Ave SW Drainage Improvements	May 2012

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Last updated: 5/29/2012
By: FernandoL

PROJECT TITLE:
CIP #6: SW 152nd and 8th Ave SW Drainage Improvements

PROJECT LOCATION (OTAK IDs):
SW 152nd and 8th Ave SW (50, 82, 93)

PROBLEM DESCRIPTION:
The City's stormwater system is under capacity, which causes flooding of a privately owned commercial parking lot. The City has an easement for the stormwater system that is partially located on private property.

PROJECT DESCRIPTIONS:
Upsize existing stormwater conveyance system along SW 152nd St and Ambaum Blvd SW to the intersection with SW 154th St. with 165 ft of new 18" pipe, 800 linear feet of 24" pipe and 9 new catch basins.

DESIGN CONSIDERATIONS:

- Design needed to verify 18" pipe size and location/cause of backwater effect.
- Coordination with private property owner.
- Need H&H analysis and downstream system review

ESTIMATED PROJECT COSTS:
$457,000

PROJECT SKETCH

City to Provide

PROJECT LOCATION PHOTOS

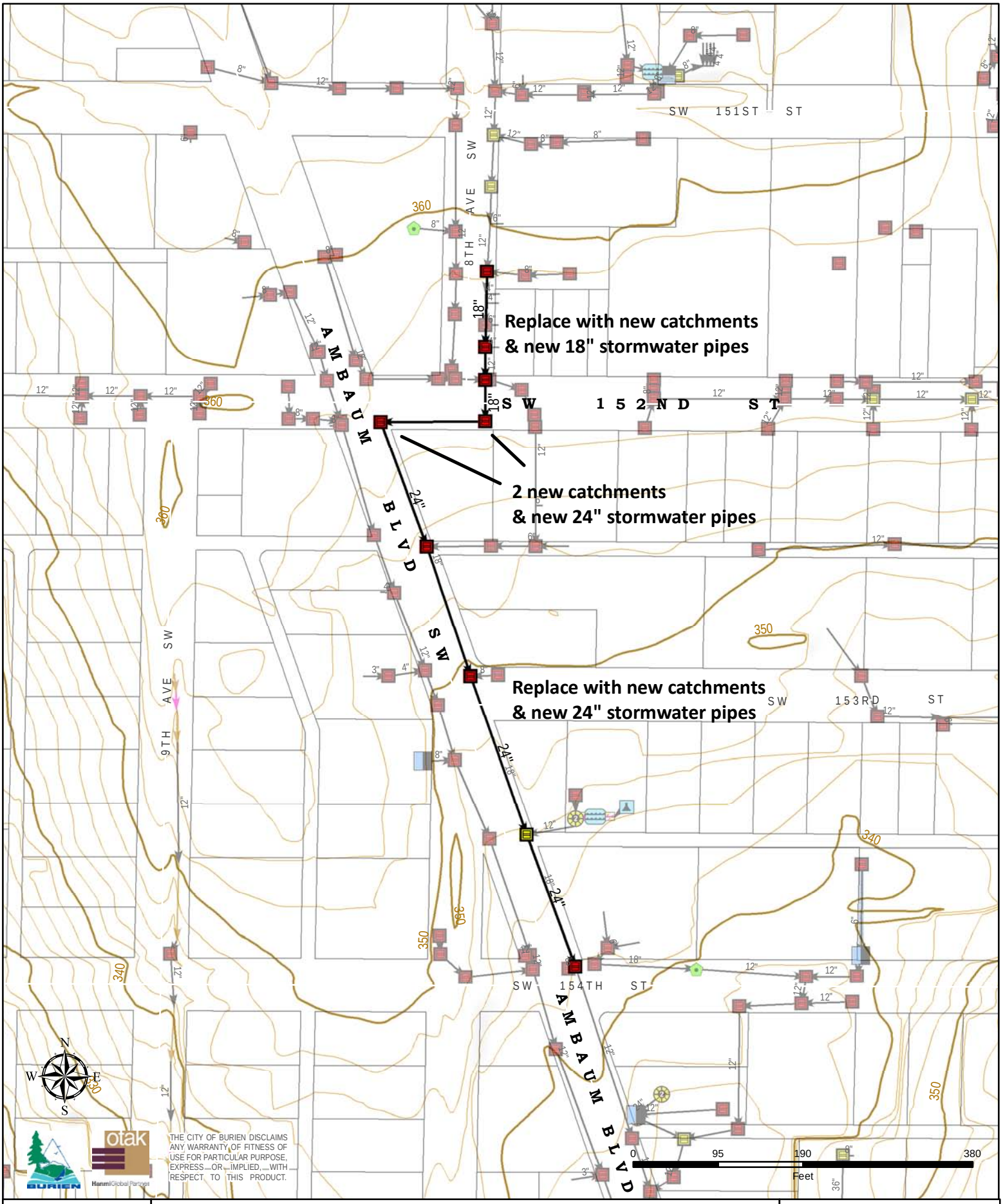
PLANNING LEVEL PROJECT COST OPINION

PROJECT: SW 152nd and 8th Ave SW Drainage Improvements
PROJECT ID: CIP 6 **CHECK BY:** JLC
BY: JSA **DATE:** 5/22/2011

ITEM NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT
Construction Elements					
1	REMOVING ASPHALT CONC. PAVEMENT	483	SY	$ 40.00	$ 19,300
2	SAWCUTTING	1,939	LF	$ 4.00	$ 7,756
3	STRUCTURE EXCAVATION CLASS B INCL. HAUL	804	CY	$ 7.00	$ 5,630
4	CORRUGATED POLYETHYLENE STORM SEWER PIPE, 18-IN DIAM	165	LF	$ 30.00	$ 4,950
5	CORRUGATED POLYETHYLENE STORM SEWER PIPE, 24-IN DIAM	800	LF	$ 35.00	$ 28,000
6	GRAVEL BACKFILL FOR PIPE ZONE BEDDING	314	CY	$ 55.00	$ 17,281
7	GRAVEL BORROW INCL. HAUL	831	TON	$ 30.00	$ 24,920
8	CATCH BASIN TYPE 1	9	EA	$ 1,500.00	$ 13,500
9	CONNECT TO DRAINAGE STRUCTURE	2	EA	$ 1,000.00	$ 2,000
10	ASPHALT TREATED BASE	172	TON	$ 150.00	$ 25,868
11	HMA, CL 1/2-IN PG	63	TON	$ 150.00	$ 9,382
12	CONCRETE CURB AND GUTTER	165	LF	$ 7.00	$ 1,155
13	ROADSIDE RESTORATION	1	LS	$ 10,000.00	$ 10,000
14	UTILITY RELOCATIONS	1	LS	$ 15,000.00	$ 15,000
				Subtotal Construction Elements	**$ 184,742**
Required Ancillary Items					
15	EROSION & SEDIMENTATION CONTROL		10%	(see note 3)	$ 18,500
16	TRAFFIC CONTROL		10%	(see note 4)	$ 18,500
17	CONTINGENCY		30%		$ 55,500
				Subtotal Ancillary	$ 92,500
				Subtotal Construction + Ancillary	**$ 277,242**
Mobilization					
18	MOBILIZATION		10%		$ 27,724
				Subtotal Construction + Ancillary + Mobilization	**$ 304,966**
Tax/Engineering/Management/Permitting					
19	STATE SALES TAX		9.5%		$ 29,000
20	ENGINEERING/LEGAL/ADMIN		25%		$ 76,300
21	CONSTRUCTION MANAGEMENT		10%		$ 30,500
22	PERMITTING		5%		$ 15,300
				Subtotal	$ 151,100
				Subtotal Construction + Ancillary + Mobilization + Tax/Engineering/Management/Permitting	**$ 456,066**
2012 Dollars	**Total Estimated Project Cost (Rounded)**				**$ 457,000**

Notes:

1. The above cost opinion is in 2012 dollars and does not include future escalation, financing, or O&M costs.
2. The order-of-magnitude cost opinion has been prepared for guidance in project evaluation from the information available at the time of preparation and for the assumptions stated. The final costs of the project will depend on actual labor and material.
3. Increase percentage markup if work is in or immediately adjacent to flowing or standing water, steep slope, and/or other erosion-prone conditions.
4. Increase percentage markup if work is in or immediately adjacent to secondary, arterial, or other high-volume road or temporarily closes a roadway.
5. Land Acquisition unit costs include Administrative Costs and Condemnation and are based on a unit price of $8/SF. These costs are not the assessed value of the property.



CIP 6	SW 152nd St and 8th Ave SW Drainage Improvements	May 2012

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Last updated: 5/29/2012
By: FernandoL

PROJECT TITLE:
CIP #7: 25th Ave SW Drainage Improvements (Project Design from the 2005 Storm Drainage Master Plan)

PROJECT LOCATION (OTAK IDs):
25th Avenue SW near Maplewild Avenue NW (80)

PROBLEM DESCRIPTION:
Potential private property flooding along 25th Ave SW because there is no existing stormwater system.

PROJECT DESCRIPTIONS:
Provide a new 24" diameter pipe along 25th Ave SW and connect to the existing storm drainage system located at Maplewild Ave SW. Acquire storm drainage easement for the portion of the new storm drainage system that is located on private property. Provide water quality treatment manhole (StormFilter – 96" WQ Treatment Manhole) at the downstream end of the new drainage system.

New storm drainage system reduces property flooding on the west side of 25th Ave SW. Water quality treatment manhole will remove oil and sediment street runoff.

DESIGN CONSIDERATIONS:

- Project requires acquiring a drainage easement on private property.

ESTIMATED PROJECT COSTS:
$799,000

PROJECT SKETCH

City to Provide

PROJECT LOCATION PHOTOS

No photos were taken at this site.

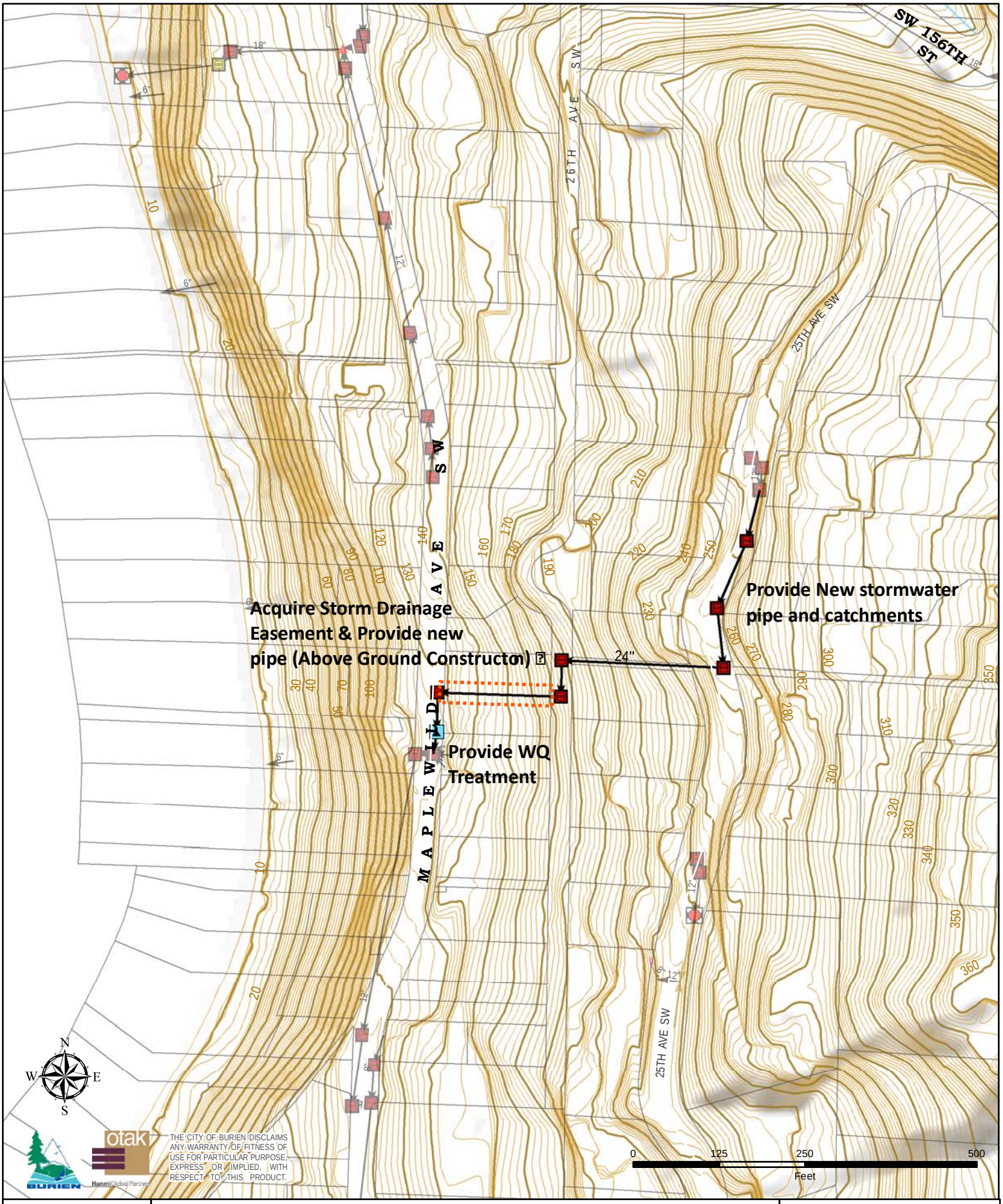
PLANNING LEVEL PROJECT COST OPINION

PROJECT: 25th Ave SW Drainage Improvements
PROJECT ID: CIP 7 **CHECK BY:** JLC
BY: JSA **DATE:** 04/25/2012

ITEM NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT
Construction Elements					
1	REMOVING ASPHALT CONC. PAVEMENT	150	SY	$ 40.00	$ 6,000
2	SAWCUTTING	609	LF	$ 4.00	$ 2,436
3	STRUCTURE EXCAVATION CLASS B INCL. HAUL	400	CY	$ 7.00	$ 2,800
4	TEMPORARY BYPASS	1	EA	$ 10,000.00	$ 10,000
5	CORRUGATED POLYETHYLENE STORM SEWER PIPE, 24-IN DIAM	480	LF	$ 35.00	$ 16,800
6	JACK AND BORE PIT	1	EA	$ 35,000.00	$ 35,000
7	JACK AND BORE PIPE	210	LF	$ 500.00	$ 105,000
8	GRAVEL BACKFILL FOR PIPE ZONE BEDDING	156	CY	$ 55.00	$ 8,596
9	GRAVEL BORROW INCL. HAUL	413	TON	$ 30.00	$ 12,395
10	STORMFILTER - 96" DIAM MH	1	EA	$ 45,000.00	$ 45,000
11	CATCH BASIN TYPE 1	7	EA	$ 1,500.00	$ 10,500
12	CONNECT TO DRAINAGE STRUCTURE	1	EA	$ 1,000.00	$ 1,000
13	ASPHALT TREATED BASE	59	TON	$ 150.00	$ 8,827
14	HMA, CL 1/2-IN PG	25	TON	$ 150.00	$ 3,702
15	PLANTINGS	1	EA	$ 35,000.00	$ 35,000
16	UTILITY RELOCATIONS	1	LS	$ 5,000.00	$ 5,000
17	CONCRETE CURB AND GUTTER	300	LF	$ 7.00	$ 2,100
18	ROADSIDE RESTORATION	1	LS	$ 5,000.00	$ 5,000
				Subtotal Construction Elements	**$ 315,156**
Required Ancillary Items					
17	EROSION & SEDIMENTATION CONTROL		10%	(see note 3)	$ 31,600
18	TRAFFIC CONTROL		10%	(see note 4)	$ 31,600
19	CONTINGENCY		30%		$ 94,600
				Subtotal Ancillary	$ 157,800
				Subtotal Construction + Ancillary	**$ 472,956**
Mobilization					
20	MOBILIZATION		10%		$ 47,296
				Subtotal Construction + Ancillary + Mobilization	**$ 520,252**
Tax/Engineering/Management/Permitting					
21	STATE SALES TAX		9.5%		$ 49,500
22	ENGINEERING/LEGAL/ADMIN		25%		$ 130,100
23	CONSTRUCTION MANAGEMENT		10%		$ 52,100
24	LAND ACQUISITION (STORMWATER UTILITY EASEMENT)		4%		$ 20,900
25	PERMITTING		5%		$ 26,100
				Subtotal	$ 278,700
				Subtotal Construction + Ancillary + Mobilization + Tax/Engineering/Management/Permitting	**$ 798,952**
2012 Dollars	**Total Estimated Project Cost (Rounded)**				**$ 799,000**

Notes:

1. The above cost opinion is in 2012 dollars and does not include future escalation, financing, or O&M costs.
2. The order-of-magnitude cost opinion has been prepared for guidance in project evaluation from the information available at the time of preparation and for the assumptions stated. The final costs of the project will depend on actual labor and material.
3. Increase percentage markup if work is in or immediately adjacent to flowing or standing water, steep slope, and/or other erosion-prone conditions.
4. Increase percentage markup if work is in or immediately adjacent to secondary, arterial, or other high-volume road or temporarily closes a roadway.
5. Land Acquisition unit costs include Administrative Costs and Condemnation and are based on a unit price of $8/SF. These costs are not the assessed value of the property.



CIP 7	25th Ave SW Drainage Improvements	May 2012

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Last updated: 5/29/2012
By: FernandoL

PROJECT TITLE:
CIP #8: 4th Ave S/Blake Manor Neighborhood Drainage Improvements

PROJECT LOCATION (OTAK IDs):
4th Ave S between S 168th St and S 165th St (48)

PROBLEM DESCRIPTION:
There is no existing stormwater system causes localized flooding of the roadway.

PROJECT DESCRIPTIONS:
Add new stormwater system along both sides of 4th Ave S from S 165th St to S 168th St that includes ~2,610 linear feet of 12-inch pipe and 14 new catch basins (7 on each side of the street). Provide outfall protection at the outlet into Miller Creek. Provide treatment to roadway runoff with 14 StormFilter catch basins (1 to 2 cartridges each).

DESIGN CONSIDERATIONS:

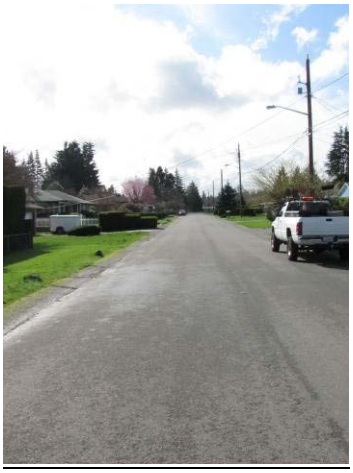
- Outfall location into a fish bearing stream.
- Outfall protection at the stream.
- Right-of-way limits
- Water Quality Treatment
- Annual Maintenance of StormFilter
- Alternative Design: LID, green street approach

ESTIMATED PROJECT COSTS:
$639,000

PROJECT SKETCH

City to Provide

PROJECT LOCATION PHOTOS



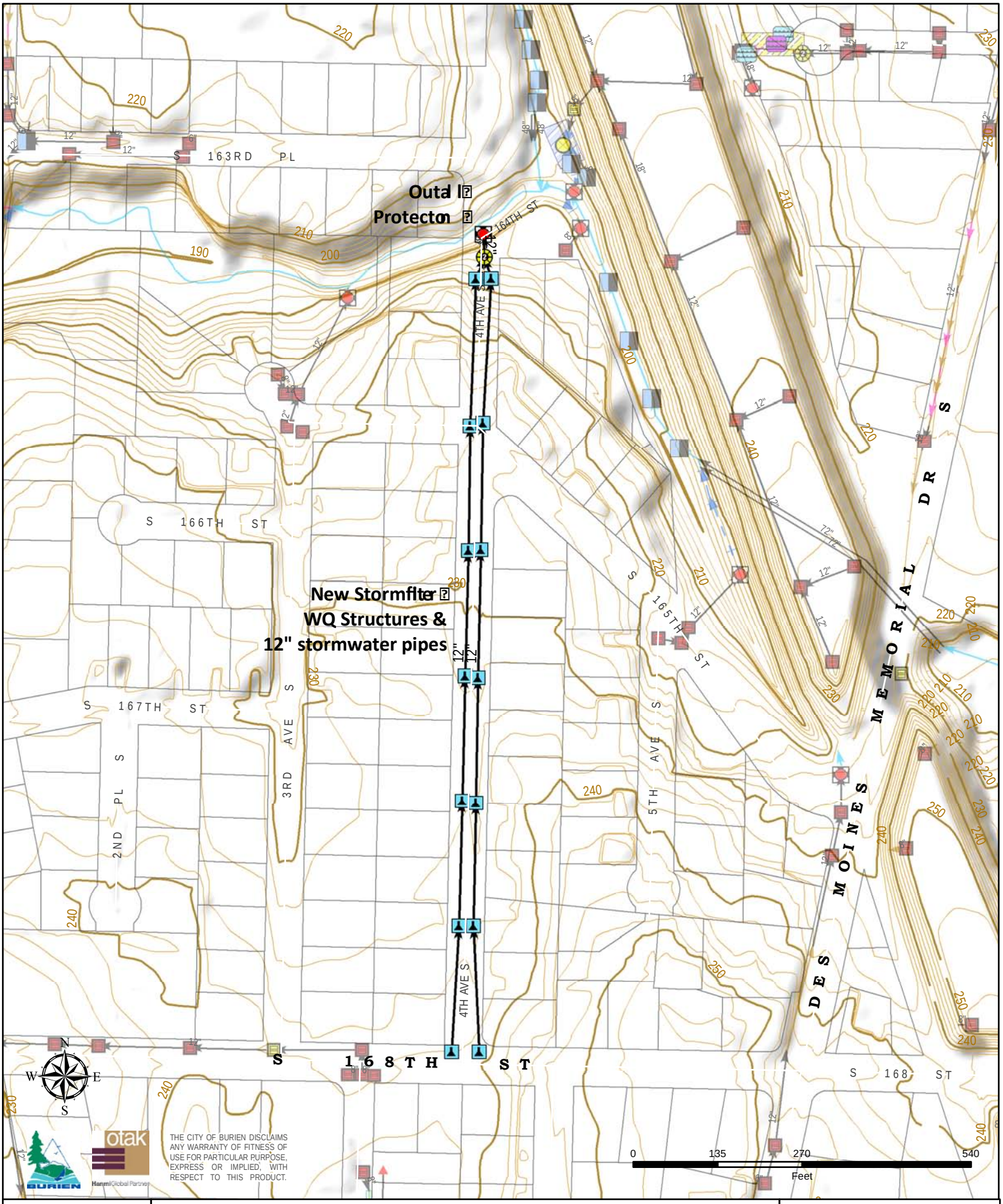
PLANNING LEVEL PROJECT COST OPINION

PROJECT: **4th Ave S/Blake Manor Neighborhood Drainage Improvements**
PROJECT ID: **CIP 8** **CHECK BY: JLC**
BY: **JSA** **DATE: 04/25/2012**

ITEM NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT
Construction Elements					
1	REMOVING ASPHALT CONC. PAVEMENT	506	SY	$ 40.00	$ 20,223
2	SAWCUTTING	2,607	LF	$ 4.00	$ 10,428
3	STRUCTURE EXCAVATION CLASS B INCL. HAUL	843	CY	$ 7.00	$ 5,899
4	CORRUGATED POLYETHYLENE STORM SEWER PIPE, 12-IN DIAM	1,300	LF	$ 25.00	$ 32,500
5	GRAVEL BACKFILL FOR PIPE ZONE BEDDING	317	CY	$ 55.00	$ 17,432
6	GRAVEL BORROW INCL. HAUL	870	TON	$ 30.00	$ 26,110
7	CATCH BASIN TYPE 1	14	EA	$ 1,500.00	$ 21,000
8	STORMWATER OUTFALL	1	EA	$ 5,000.00	$ 5,000
9	ASPHALT TREATED BASE	180	TON	$ 150.00	$ 27,049
10	HMA, CL 1/2-IN PG	65	TON	$ 150.00	$ 9,776
11	UTILITY RELOCATIONS	1	LS	$ 20,000.00	$ 20,000
12	STORMFILTERS	2	EA	$ 25,000.00	$ 50,000
13	ROADSIDE RESTORATION	1	LS	$ 5,000.00	$ 5,000
				Subtotal Construction Elements	**$ 250,417**
Required Ancillary Items					
12	EROSION & SEDIMENTATION CONTROL		10%	(see note 3)	$ 25,100
13	TRAFFIC CONTROL		10%	(see note 4)	$ 25,100
14	CONTINGENCY		30%		$ 75,200
				Subtotal Ancillary	$ 125,400
				Subtotal Construction + Ancillary	**$ 375,817**
Mobilization					
15	MOBILIZATION		10%		$ 37,582
				Subtotal Construction + Ancillary + Mobilization	**$ 413,399**
Tax/Engineering/Management/Permitting					
16	STATE SALES TAX		9.5%		$ 39,300
17	ENGINEERING/LEGAL/ADMIN		25%		$ 103,400
18	CONSTRUCTION MANAGEMENT		10%		$ 41,400
19	PERMITTING		10%		$ 41,400
				Subtotal	$ 225,500
				Subtotal Construction + Ancillary + Mobilization + Tax/Engineering/Management/Permitting	**$ 638,899**
2012 Dollars	**Total Estimated Project Cost (Rounded)**				**$ 639,000**

Notes:

1. The above cost opinion is in 2012 dollars and does not include future escalation, financing, or O&M costs.
2. The order-of-magnitude cost opinion has been prepared for guidance in project evaluation from the information available at the time of preparation and for the assumptions stated. The final costs of the project will depend on actual labor and material.
3. Increase percentage markup if work is in or immediately adjacent to flowing or standing water, steep slope, and/or other erosion-prone conditions.
4. Increase percentage markup if work is in or immediately adjacent to secondary, arterial, or other high-volume road or temporarily closes a roadway.
5. Land Acquisition unit costs include Administrative Costs and Condemnation and are based on a unit price of $8/SF. These costs are not the assessed value of the property.



CIP 8	4th Ave S/Blake Manor Neighborhood Drainage Improvements	May 2012

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Last updated: 5/29/2012
By: FernandoL

City of Burien: Watershed Based Studies Summary Sheet

The following studies are recommended to address problem areas that require a specialized investigation to determine the background source of the drainage issues or problem areas that require an extensive watershed study to identify the preferred long term solution.

Project Location (Otak IDs)	Problem Description	Study Description	Estimated Cost
Study 1	**Lake Burien System Retrofit**		
Lake Burien/Miller Creek Watershed (90, 117, 118)	Flooding and water quality issues in Lake Burien and downstream system to Miller Creek.	Evaluation of water quality retrofit opportunities in Lake Burien drainage basin and capacity evaluation for downstream system.	**Study Cost:** $250,000
Study 2	**NERA Master Drainage Plan**		
	Regional stormwater plan needed to support NERA development.	Master Drainage Plan to locate and design regional stormwater management facilities to serve future redevelopment.	**Study Cost:** $350,000
Study 3	**Des Moines Memorial Drive and S 175th St Sediment Study**		
Des Moines Memorial Drive S and S 175th St (38, 87)	Sediment accumulation behind a recently installed beaver deceiver is causing flooding of the roadway.	Sediment Management Study source tracing and alternatives analysis to address ongoing sediment accumulation.	**Study Cost:** $100,000
Study 4	**Hermes and Mayfair Depressions Master Plan**		
Hermes Depression, Mayfair Depression (10, 19)	Flooding occurs in the Hermes and Mayfair Depressions. Long term regional stormwater management needed.	Study cost effective options for water quality retrofit and possible bypass of higher flows. Consider recommendations in Miller and Walker Creeks basin plan.	**Study Cost:** $200,000
Study 5	**142nd Street Depression Improvements**		
142nd St Depression (25, 26, 27, 85)	Two detention ponds are connected, but have no outlet. During large rainfall events the pond overflow and flood public ROW and adjacent private property.	Geotechnical investigation to confirm infiltration capacity. Alternatives analysis to identify preferred solution retrofitting of the 142nd depression and/or modifying FEMA floodplain map.	**Study Cost:** $200,000
Study 6	**Arbor Lake Water Quality Lake Management Plan**		
Arbor Lake (127)	There are water quality issues in the lake including algae blooms and no swimming warnings in the summer.	Establish Water Quality monitoring Program and develop a Water Quality Lake Management Plan.	**Study Cost:** $150,000
		TOTAL	**$1,150,000**

City of Burien: Small Works Projects Summary Sheet

Small Works Projects

Small Works Projects are projects that will be designed by City Engineering Staff and constructed by City Maintenance Staff or contractors from the City's Small Works Roster. Projects have straight forward design (no specialized analysis required) and an estimated construction cost under $100,000 per project.

Project Location (Otak IDs)	Problem Description	Small Works Project Description
SWP 1 Ambaum Blvd SW/SW 120th Block Drainage Improvements		
Ambaum Blvd SW and SW 120th Block (119)	No existing stormwater system causes localized flooding of the roadway.	Add new CB and pipe to existing system in the low point in the road
SWP 2 Occidental Ave S Drainage Improvements		
Des Moines Memorial Drive S and S 116th St - S 118th St	Overland erosion on both sides of street. Runoff from the roadway floods a local property owner.	Repave road and install asphalt berms to keep stormwater within public ROW. There is a 12" high pressure gas main, which means installing a new stormwater system may be impossible.
SWP 3 Eagle Landing Park/25th Ave SW Drainage Improvements		
25th AVE SW (Near House #14639)/Eagle Landing Park	Overland erosion caused by public water onto private property.	Install a dispersion trench into the park to divert water over a larger area into the park and away from private property. This project will also require install 150 linear feet of 12-inch pipe and 3 new catch basins.
SWP 4 116th Ave SW between 1st Ave and 4th Ave SW at Church Drainage Improvements		
116th Ave SW between 1st Ave SW and 4th Ave SW	There is a 30" pipe that drains to an existing ditch (City has a 10' easement) adjacent to a church parking lot that abruptly ends. Water disperses into a forested area then drains to an existing pipe and then into an existing detention pond. The dispersion into the wooded area causes the water to slow down and silt up behind the existing pipe.	Install new stormwater system on existing 10' easement from the church property to the downstream pond. (This solution needs some further refinement/discussion).

CITY OF BURIEN
AGENDA BILL

Agenda Subject: Discuss and Adopt Ordinance Amending Business License Regulations for Peddlers and Solicitors		**Meeting Dates:** August 6 and 20, 2012
Department: Legal **Contact:** Craig Knutson **Telephone:** (206) 248-5535	**Attachments:** Proposed Ordinance No. 564, amending business license regulations for peddlers and solicitors	**Fund Source:** N/A **Activity Cost:** N/A **Amount Budgeted:** N/A **Unencumbered Budget Authority:** N/A
Adopted Work Plan Priority: Yes No X	**Work Plan Item Description:**	

PURPOSE/REQUIRED ACTION: The City Attorney is recommending adoption of an ordinance amending the City's business license regulations for peddlers and solicitors. The ordinance is necessary to correct constitutional problems with the current City Code.

BACKGROUND (***Include prior Council action & discussion***)**:**
Under the current version of Chapter 5.10 of the Burien Municipal Code, door-to-door transient sales (peddling) and personal solicitation (begging) in public streets and places are generally prohibited. However, federal court decisions have held that such general prohibitions of transient sales and solicitation in public streets and places are unconstitutional. Accordingly, to avoid legal challenges, such general prohibitions should be repealed and replaced with regulations that protect the health, safety, and welfare of City residents as well as the constitutional rights of those engaging in such activities.

The attached ordinance repeals the current prohibition of peddling/transient sales and instead requires peddlers/transient sales representatives to comply with the same types of requirements that currently apply to ice cream vendors. These requirements include: obtain business license, provide identifying information; submit to criminal background checks; and conduct no door to door sales between 7pm and 9am or at residences/businesses with clearly posted "No Solicitors" signs.

The attached ordinance also repeals the current prohibition of personal solicitation in public streets and places and instead relies on current provisions in the City's criminal and traffic codes to deal with problems sometimes associated with such behavior. One current criminal code provision that can be relied on is BMC 9.80.400, which makes it a misdemeanor to engage in aggressive begging in any public place in the City with the intent of intimidating another person into giving money or goods. The City's criminal and traffic codes also have provisions that make it illegal to litter, jaywalk, or drink in public, and these provisions can be used to deal with behavior sometimes associated with begging in public streets and places.

OPTIONS ***(Including fiscal impacts)*****:**
1. Adopt the ordinance.
2. Do not adopt the ordinance.

Administrative Recommendation: Discuss the ordinance on August 6 and adopt the ordinance on August 20.

Suggested Motion for August 20, 2012 meeting:
Move to adopt Ordinance 564, amending the City's business license regulations for peddlers and solicitors.

Submitted by:
Administration _____ **City Manager** _____

Today's Date: August 1, 2012	**File Code:** R:/CC/Agenda Bills2012/080612ls-1 bus lic amend peddlers solicitors

CITY OF BURIEN, WASHINGTON

ORDINANCE NO. 564

AN ORDINANCE OF THE CITY OF BURIEN, WASHINGTON, AMENDING CHAPTER 5.10 OF THE BURIEN MUNICIPAL CODE CHAPTER 5.10 RELATING TO LICENSES AND REGULATIONS FOR PEDDLERS AND SOLICITORS

WHEREAS, under the current version of Chapter 5.10 of the Burien Municipal Code, door-to-door transient sales and personal solicitation in public streets and places are generally prohibited; and

WHEREAS, federal court decisions have held that such general prohibitions of door-to-door transient sales and personal solicitation in public streets and places are unconstitutional, and accordingly such general prohibitions should be repealed; and

WHEREAS, it is in the public interest to regulate transient sales and personal solicitations in public streets and places in a manner that protects the health, safety, and welfare of City residents as well as the constitutional rights of those engaging in such sales; and

WHEREAS, the City's criminal code, BMC 9.80.400, makes it a misdemeanor to engage in aggressive begging in any public place in the City with the intent of intimidating another person into giving money or goods, and this code provision is a reasonable means of regulating begging in public places without generally prohibiting it; and

WHEREAS, the code provisions referenced above and set forth below establish reasonable restrictions on transient sales activities to protect and promote public safety, privacy, and welfare and are intended to be reasonable time, place, and manner restrictions and not to infringe on any constitutionally protected right;

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF BURIEN, WASHINGTON, DO ORDAIN AS FOLLOWS:

Section 1. BMC 5.10.010 Amended. Section 5.10.010 of the Burien Municipal Code (Definitions) is hereby amended to read as follows:

5.10.010 Definitions.

For the purposes of this chapter, the following definitions shall apply:

(1) "Amusement device" means any coin-operated or remote-controlled machine, device, contrivance, apparatus or appliance, mechanical, electrical or hand-propelled, designed to be used in whole or in part as an instrument or

instrumentally for engaging in the use and exercise of skill by one or more persons in playing a game for the amusement and entertainment of the player or players and which is maintained commercially for such purpose.

(2) "Amusement device place" means any place offering amusement devices for play or entertainment.

(3) "Amusement place" means an amusement, diversion, entertainment, show, performance, exhibition, display or like activities, for the use or benefit of a member or members of the public, held, conducted, operated or maintained for a profit, direct or indirect. By way of illustration and not limitation, "public places of amusement" include live entertainment, music (other than mechanical), boxing or wrestling, exhibition skating, bowling alleys, amusement parks, and carnivals.

(4) "Billiard or pool table place" means any establishment engaged primarily in the business of offering the use of pool or billiard tables for a commercial purpose.

(5) "Billiard Table" is a raised oblong felt-covered table with raised cushioned edges, or any substantially similar device on which is played the game known as billiards or pool involving the use of a long tapering stick called a cue to propel pool or billiard balls.

(6) "Charitable" means and includes the words patriotic, philanthropic, social service, welfare, benevolent, educational, civic or fraternal, either actual or purported; provided, such term shall not include "religious" and "religion," which terms shall be given their commonly accepted definitions.

(7) "Contributions" means and includes alms, food, clothing, money, credit, subscription, property, financial assistance or other thing of value and including any donations under the guise of a loan of money or property.

(8) "Direct gift" means and includes an outright contribution of food, clothing, money, credit, property, financial assistance or other thing of value to be used for a charitable or religious purpose and for which the donor receives no consideration or thing of value in return.

(9) "Endorsement" shall mean the licensing approval given to one activity.

(10) "Ice cream ~~product~~ vendor" means all persons, both principals and agents, as well as employers and employees, who shall sell, offer for or expose for sale ice cream products in the city of Burien by going up and down residential or commercial streets or from place to place.

(11) "Outdoor musical entertainment" means an entertainment, amusement, or assembly of persons wherein the primary purpose will be the presentation of

outdoor, live or recorded musical entertainment or other entertainment which the person, persons, or corporation, organization, landowner or lessor believes or has reason to believe will attract 250 or more persons and where a charge or contribution is required for admission.

(12) "Pawnbroker" means and includes every person who takes or receives by way of pledge, pawn, or exchange goods, wares, or merchandise or any kind of personal property whatsoever, for the repayment of security of any money loaned thereon, or to loan money on deposit of personal property, or who makes a public display of any sign indicating that he has money to loan on personal property on deposit or pledge.

(13) "Pawnshop" means every place at which the business of a pawnbroker is being carried on.

(14) "Peddler" or "transient sales representative~~business~~," unless otherwise exempt under the provisions of this chapter, shall be defined as follows:

(a) All persons, both principals and agents, as well as employers and employees, who shall sell, offer for or expose for sale, or who shall trade, deal or traffic in any personal property or services in the city by going from house to house or from place to place or by indiscriminately approaching individuals.

(b) Sales by sample or for future delivery, and executory contracts of sale by solicitors or peddlers are embraced within the preceding subsection; provided, however, that this chapter is not applicable to any salesperson or canvasser who solicits trade from wholesale or retail dealers within the city.

(c) Any person, both principals and agents, as well as employers and employees, who, while selling or offering for sale any goods, wares, merchandise or anything of value, stands in a doorway or any unenclosed vacant lot, parcel of land or in any other place not used by such person as a permanent place of business.

(15) "Person" means any individual, firm, partnership, corporation, company, association or joint stock association, church, religious sect, religious denomination, society, organization or league, and includes any trustee, receiver, assignee, agent or other similar representative thereof.

(16) "Pool table" is a billiard table with a pocket in each corner and at the middle of both sides, used for playing pool, the game wherein numbered balls are propelled into the pockets by persons using a cue.

(17) “Promoter” means any person who promotes, manages, supervises, organizes or attempts to promote, manage, supervise or organize a campaign of solicitation, but shall not include either a bona fide full-time salaried officer or employee of a charitable organization whose salary or other compensation is not computed on funds raised or to be raised, or a temporary employee who is employed to contact volunteer workers by telephone but who may not himself solicit contributors directly.

(18) “Public dance” means any dance which is open to the public and which is held and conducted for a profit, direct or indirect.

(19) “Public dance place” means any place where a public dance is conducted, operated or maintained and any and all areas attached to or adjacent to such premises including, but not limited to, all parking areas, hallways, bathrooms and all adjoining areas on the premises accessible to the public during the dance.

(20) “Public youth dance” means any public dance that is readily accessible to the public and which permits the entry of any persons under the age of 18 years. For the purposes of this chapter, the term “public dance” shall be construed so as to include all public youth dances except where specifically indicated otherwise.

(21) “Sale and benefit affair” means and includes, but is not limited to, athletic or sports event, bazaar, benefit, campaign, circus, dance, drive, entertainment, exhibition, exposition, party, performance, picnic, sale, social gathering, theater, or variety show, which the public is requested to patronize or attend or to which the public is requested to make a contribution for any charitable or religious purpose connected therewith.

(22) “Secondhand dealer” means any person who as a business engages in the purchase, sale, trade, barter, auction, sale on consignment, or otherwise exchanges secondhand goods, or who keeps a store, shop, room or other place where secondhand goods of any kind or description are bought, sold, traded, bartered, pledged, pawned, auctioned, sold on consignment, or otherwise exchanged, including persons conducting garage sales lasting more than two days at their residence more than four times per year.

(23) “Secondhand goods” means and includes any and all used, remanufactured, or secondhand goods purchased or kept for sale by a dealer in secondhand goods. Such term shall not be construed to include secondhand motor vehicles or boats.

(24) “Solicit” and “solicitation” means the request within the city directly or indirectly of money, credit, property, financial assistance or other thing of value on the plea or representation that such money, credit, property, financial assistance or other thing of value will be used for a charitable or religious purpose, and includes:

(a) Any oral or written request;

(b) The distribution, circulation, mailing, posting or publishing of any handbill, written advertisement or publication;

(c) The making of any announcement to the press, by radio or television, by telephone or telegraph concerning an appeal, assemblage, athletic or sports event, bazaar, benefit, campaign, circus, contest, dance, drive, entertainment, exhibition, exposition, party, performance, picnic, sale, social gathering, theater or variety show, which the public is requested to patronize or to which the public is requested to make a contribution for any charitable or religious purpose connected therewith;

(d) The sale of, offer or attempt to sell any advertisement, advertising space, book, card, chance, coupon, device, magazine, membership, subscription, ticket, admission, article or other thing in connection with which any appeal is made for any charitable or religious purpose, or where the name of any charitable or religious organization, association or person is used or referred to in any such appeal or where in connection with any such sale any statement is made that the whole or any part of the proceeds from any such sale will go or be donated to any charitable or religious purpose.

A "solicitation" shall be deemed completed when made, whether or not the person making the same received any contribution or makes any sale referred to in this chapter. [Ord. 367 § 3, 2002]

Section 2. BMC 5.10.020 Amended. Section 5.10.020 of the Burien Municipal Code (Prohibited activities – Exemptions) is hereby amended to read as follows:

5.10.020 Prohibited activities – Exemptions.

(1) Peddlers and ~~T~~transient sales representatives, as defined in BMC 5.10.010, are prohibited within the city limits unless they comply with the licensing requirements and other regulations in BMC 5.10.100, except that the following activities are not prohibited and are not required to comply with said ~~the~~ licensing requirements and other regulations~~of this chapter~~:

(a) Farmers who peddle agricultural, horticultural, or farm products which they have actually grown, harvested or produced;

(b) Any person who is specifically requested by a potential buyer to visit or call for the purpose of displaying or purchasing goods, literature or giving information about any article, service or product;

(c) Charitable, religious or nonprofit organizations or corporations which have received tax exempt status under 26 U.S.C. 501(c)(3) or other similar civic, charitable or nonprofit organizations;

(d) Newspaper carriers;

(e) Peddlers operating at any city-sponsored or authorized civic event for a time period not to exceed five consecutive days, so long as each peddler's name, address and telephone number is submitted to the city, in advance of the civic event, to be maintained in the city records;

(f) Peddlers operating at a Saturday market or other city-sponsored or approved activity so long as the activity does not occur more than one time per week for more than five months of each calendar year; and provided further, that the name, address and telephone number of each peddler is provided in advance to the city of Burien to be maintained in the city records;

(g) Sales conducted as "fund-raisers" for youth athletic, scouting, or educational organizations. By way of illustration and not limitation, these organizations may include Boy Scouts and Girl Scouts, youth soccer, basketball, football, softball, and other youth athletic organizations.

Section 3. BMC 5.10.030 Amended. Section 5.10.030 of the Burien Municipal Code (Application and fees required) is hereby amended to read as follows:

5.10.030 Application and fees required.

(1) Any person desiring to establish or conduct the following enterprises, businesses, or undertakings within the corporate limits of the city shall first apply to the city for a license or permit to conduct such activity:

(a) Amusement places;
(b) Pool and billiard table places;
(c) Public dance places, except that the provisions of this chapter shall not apply to public youth dances provided by charitable, religious or nonprofit organizations or corporations which have received tax exempt status under 26 U.S.C. 501(c)(3);
(d) Pawnbrokers, except that the requirements of this chapter do not apply to the following:

(i) Dealers of prepackaged rebuilt automotive parts;

(ii) Persons exempted from the regulations set forth in Chapter 46.70 RCW, relating to the sale of used automobiles, and Chapter 46.80 RCW, relating to auto wrecking;

(iii) Those persons engaged in the purchase and/or sale of bottles, cans, or paper as part of the process of recycling such bottles, cans or paper;

(iv) Those persons conducting a sale of secondhand goods under any legal forfeiture, foreclosure, liquidation, or any repossession pursuant to any terms of any contract or sale or incidental to any legal action;

(e) Charitable solicitations, except the requirements of this chapter shall not apply to the following:

(i) Solicitations by any organization operated exclusively for religious or charitable purposes and not operated for the pecuniary profit of any person, if the solicitations by such organization are conducted among the members thereof by other members or officers thereof, voluntarily and without remuneration for making such solicitations, or if the solicitations are in the form of collections or contributions at the regular assemblies, meetings or services of any such organization;

(ii) Any charitable organization which does not solicit and collect contributions in Burien in excess of $2,500 in any one-year period and where all of such fund-raising functions are carried on by persons who are unpaid for their services;

(f) Outdoor musical entertainment;

(g) Special Events;

(h) Street use activities (see Chapter 12.10 BMC); ~~and~~

(i) Ice cream vendors; and

(j) Peddlers/transient sales representatives.

(2) The application shall be upon a form furnished by the city.

(3) The application must be accompanied by a check, cash or money order for the amount of the license fee. The base fee for a single endorsement (except for street use activities) shall be $100.00. For street use activities, see BMC 12.10.070. The city manager may, in his or her discretion, waive permit fees for activities that the city manager deems provide a significant public or community benefit and that are "nonprofit" activities as defined in the IRS Code Section 501(c)(3).

Section 4. BMC 5.10.080 Amended. Section 5.10.080 of the Burien Municipal Code (Regulations – Charitable Solicitations) is hereby amended to read as follows:

5.10.080 Regulations - Charitable Solicitations.

~~(1)~~ ~~Soliciting for private needs prohibited. No person shall solicit contributions for himself in or upon any public street or public place in the City of Burien.~~

(1~~2~~) Credentials. All persons to whom charitable solicitation permits have been issued shall furnish to each of their agents and solicitors credentials approved as to form by the City Manager or his designee. Such credentials shall include the permit number, the name and telephone number of the permit holder, the purpose of the solicitation, the signature of the applicant, and the name, address and signature of the solicitor to whom such credentials are issued, and the period of time during which the solicitor is authorized to solicit on behalf of the permit holder. The City Manager or his designee may authorize the use of the identification approved by the Director of the Department of Motor Vehicles for the State of Washington for any person or organization validly registered under the charitable solicitation law; provided the above information appears thereon. It is unlawful for any person to solicit under any such charitable solicitation permit without having in his possession the credentials required by this section. The credentials must be shown, upon request, to all persons solicited or to any Burien police officer or agent of the City Manager or his designee.

(2~~3~~) Written receipts required. Any person receiving money or anything having a value of one dollar or more from any contributor under a solicitation made pursuant to a charitable solicitation permit shall, upon request, give to the contributor a written receipt signed by the solicitor showing plainly the name and permit number of the person under whose permit the solicitation is conducted, the date and the amount received; provided, however, that this section shall not apply to any contributions collected by means of a closed box or receptacle used in solicitation with the express approval of the City Manager or his designee.

(3~~4~~) Repealed by Ord. 450.

(4~~5~~) Repealed by Ord. 450.

(5~~6~~) Religious solicitations - Certificate of registration - Required.

(a) No person shall solicit contributions for any religious purpose within the City of Burien without a certificate of registration issued by the City Manager or his designee; provided, however, that the provisions of this subsection shall not apply to solicitations by any religious organization

conducted among the members thereof by other officers or members voluntarily and without remuneration for making such solicitations, or to solicitations for or collections of contributions at the regular assemblies, meetings or services of such organizations. Application for a certificate shall be made to the City Manager or his designee upon forms provided by him. Such application shall be sworn to or affirmed, and shall contain the following information, or in lieu thereof, a statement of the reason or reasons why such information cannot be furnished:

(i) The name and local address or headquarters of the person applying for the certificate;
(ii) If applicant is not an individual, the names and addresses of the applicant's principal officers and managers and a copy of the resolution, if any, authorizing such solicitation, certified to as a true and correct copy of the original by the officer having charge of applicant's records;
(iii) The purpose for which such solicitation is to be made, the total amount of funds proposed to be raised thereby, and the use or disposition to be made of any receipts there from;
(iv) The name and address of the person or persons by whom the receipts of such solicitation shall be disbursed;
(v) The name and address of the person or persons who will be in direct charge of conducting the solicitation and the names of all promoters connected or to be connected with the proposed solicitation;
(vi) The method to be used in conducting the solicitation;
(vii) The time when such solicitation shall be made, giving the dates for the beginning and ending of such solicitations;
(viii) The estimated cost of the solicitation;
(ix) The amount of any wages, fees, commissions, expenses or emoluments to be expended or paid to any person in connection with such solicitations, and the names and addresses of all such persons;
(x) A financial statement for the last preceding fiscal year of any funds solicited by the applicant for religious purposes from the public pursuant to a certificate of registration hereunder, said statements giving the amount of money so raised, together with the cost of raising it, and final distribution thereof;
(xi) A detailed statement of the religious work being done by the applicant within Burien;
(xii) A statement to the effect that the certificate will not be used or represented in any way as an endorsement by the City of Burien or by any department or officer thereof.

(b) If, while any application is pending or during the term of any certificate granted thereon, there is any change in fact, policy or method that would alter the information given in the application, the applicant shall notify the City Manager or his designee in writing thereof within twenty-four hours after such change.

(6~~7~~) Religious solicitations - Certificate of registration - Regulations. Upon receipt of such application, the City Manager or his designee shall issue the applicant a certificate of registration. The certificate shall remain in force and effect for a period of six months after the issuance thereof, and shall be renewed upon the expiration of this period upon the filing of a new application as provided for in Section 5A6 and 5C. Certificates of registration shall bear the name and address of the person by whom the solicitation is to be made, the number of the certificate, the date issued and a statement that the certificate does not constitute an endorsement by the City of Burien or by any of its departments or officers of the purpose or the person conducting the solicitation. All persons to whom certificates of registration have been issued shall furnish credentials to their agents and solicitors in the same manner and subject to the same conditions as set forth in Section 6D2 relating to credentials to solicit for charitable purposes. No person shall solicit under any such certificate of registration without such credentials in his possession, and such person shall, upon demand, present these credentials to any person solicited or to the City Manager or his designee or to any police officer of Burien.

(7~~8~~) Fraudulent misrepresentation and misstatements prohibited. It is unlawful for any person to directly or indirectly solicit contributions for any purpose by misrepresentation of his name, occupation, financial condition, social condition or residence, and no person shall make or perpetrate any other misstatement, misrepresentation, deception or fraud in connection with any solicitation of any contribution for any purpose in the City of Burien or in any application or report filed in connection therewith.

Section 5. BMC 5.10.100 Amended. Section 5.10.030 of the Burien Municipal Code (Regulations – Ice Cream Vendors) is hereby amended to read as follows:

5.10.100 Regulations – Peddlers/Transient Sales Representatives, and Ice Cream Vendors.

(1) Generally.

(a) Applicants for a license under this chapter must file with the city clerk's office a sworn application in writing on a form to be furnished by the city.

(b) All applications shall provide the following information on the application, with sufficient proof of identification:

(i) Name, date of birth and description of the applicant;

(ii) Address and telephone number;

(iii) A brief description of the business and the goods to be sold;

(iv) If employed or acting as an agent, the name and address of the employer or principal, together with the description of the exact relationship with the principal or employer;

(v) A description of vehicle including the license number;

(vi) A photograph of the applicant, taken within 60 days immediately prior to the date of filing the application, which picture shall be two inches by two inches showing the head and shoulders of the applicant in a clear and distinguishing manner;

(vii) A statement as to whether or not the applicant has been convicted of any crime within the last 10 years, including misdemeanors, gross misdemeanors, or violations of any municipal ordinance, the nature of the offense, and punishment or penalty assessed therefor;

(viii) Such other information as may be required by the city.

(c) Any individual, corporation, partnership or other organization which acts as the principal or employer for individual peddlers/transient sales representatives or ice cream vendors shall obtain a permit as provided herein and shall provide the following information on the application in addition to any information required as set forth above:

(i) The applicant's name, address and telephone number and names and addresses of all individuals who are employed by or acting as an agent for the applicant;

(ii) If a corporation, the names, addresses and telephone numbers of the corporation's board of directors, principal officers and registered agent; provided, however, that the city manager or his designee may waive any portion of this requirement when disclosure would be unduly burdensome;

(iii) If a partnership, the names, addresses and telephone numbers of the partners;

(iv) A list of any criminal convictions during the past 10 years for the applicant, any owners of the business, and if a corporation, the board of directors and officers;

(v) Name, address and telephone numbers (business and home) of the individual, if applicable, acting as the manager for the applicants;

(vi) A list of all other cities, towns and counties where the applicant

has obtained a peddler/transient sales or ice cream vendor~~'s~~ license or permit or similar license or permit within the past five years; and

(vii) Such other information as may be required by the city.

(2) Investigation of Applicant – Issuance and Denial of Permit.

(a) The city clerk shall refer the application to the police department which shall determine the accuracy of the information contained in the application and conduct a criminal history background investigation of the applicant. Upon completion, the police department shall forward a recommendation for approval or denial to the finance department.

(b) If, as a result of the investigation, the character and business responsibility of the applicant are found to be satisfactory, the city clerk shall issue the permit to the applicant. The city clerk shall deny the applicant the permit if the applicant has:

(i) Committed any criminal act consisting of fraud or misrepresentations;

(ii) Committed any criminal act which, if committed by a permit holder, would be grounds for suspension or revocation of a permit;

(iii) Within the previous 10 years, been convicted of a misdemeanor or felony directly relating to the occupation of peddler/transient sales representative or ice cream vendor, including, but not limited to, those misdemeanors and felonies involving moral turpitude, fraud or misrepresentation;

(iv) Been refused a permit under the provisions of this chapter; providing, however, that any applicant denied a permit under the provisions of this chapter may reapply if and when the reasons for denial no longer exist; or

(v) Made any false or misleading statement in the application.

(c) The denial of a permit to an individual, corporation, partnership or other organization, which serves as the employer or principal for individual peddlers/transient sales representatives or ice cream vendors, shall be a sufficient basis to deny a permit to the individual applicants who are employed by or acting as an agent for the applicant.

(3) Use of Streets. No peddler, transient sales representative, or ice cream vendor shall have any exclusive right to any location in the public streets, nor be permitted a stationary location, nor be permitted to operate in any congested area where operations might impede or inconvenience the public. For the purpose of this section, the judgment of a police officer, exercised in good faith, shall be conclusive as to whether the area is congested or the public impeded or inconvenienced.

(4) Hours and Notice.

(a) No person shall engage in the business of ice cream vending between the hours of 8:00 p.m. and 10:00 a.m.

(b) No person shall engage in the business of peddling or transient sales between the hours of 7:00 p.m. and 9:00 a.m. or at any residence or business that has a clearly posted sign stating "No Peddlers", "No Solicitors", or words to that effect.

Section 6. Severability. Should any section, paragraph, sentence, clause or phrase of this ordinance, or its application to any person or circumstance, be declared unconstitutional or otherwise invalid for any reason, or should any portion of this ordinance be pre-empted by state or federal law or regulation, such decision or pre-emption shall not affect the validity of the remaining portions of this ordinance or its application to other persons or circumstances.

Section 7. Effective Date. This ordinance shall be published in the official newspaper of the City, and shall take effect and be in full force five (5) days after the date of publication.

ADOPTED BY THE CITY COUNCIL AT A REGULAR MEETING THEREOF ON THE 20TH DAY OF AUGUST 2012, AND SIGNED IN AUTHENTICATION OF ITS PASSAGE THIS 20TH DAY OF AUGUST, 2012.

CITY OF BURIEN

_____

Brian Bennett, Mayor

ATTEST/AUTHENTICATED:

_____

Monica Lusk, City Clerk

Approved as to form:

_____
Craig D. Knutson, City Attorney

Filed with the City Clerk: August 1, 2012
Passed by the City Council: August 20, 2012
Ordinance No. 564
Date of Publication: August __, 2012

Burien
Washington, USA

400 SW 152nd St., Suite 300, Burien, WA 98166
Phone: (206) 241-4647 • FAX (206) 248-5539
www.burienwa.gov

M E M O R A N D U M

TO: Honorable Mayor and Members of the City Council
FROM: Mike Martin, City Manager
DATE: August 6, 2012
SUBJECT: City Manager's Report

I. INTERNAL CITY INFORMATION

A. Seahurst Park Trail Restoration Partnership Program (Page 265)

Under the management of the Burien Parks, Recreation & Cultural Services (PaRCS) Department, the Burien Adopt-a-Park Program is partnering with several organizations to make trail improvements along the North Nature Trail at Seahurst Park. The project will renovate a 300-foot length of chronically muddy trail which causes hikers to create offshoot trails, damaging the park hillsides. The renovation will direct water drainage and provide dry, stable trail surfacing. The program is coordinated in partnership with the King County Work Training Program; over a six week period, participating high school students earn school credit as well as embark on work training for a wage. This is the City's second year coordinating with the King County program which was profiled in a KING-5 television news segment on July 18 (www.bit.ly/PmEO2u<http://www.bit.ly/PmEO2u>). For more information about this project, a staff memo is attached.

B. Burien Parks Holds First-Ever Family Camp-Out

On Saturday, July 28, the Burien PaRCS Department held a Family Camp-Out at Seahurst Park. It was the first time the department offered an event of this kind and it sold out very quickly. REI was an event partner, providing tents for those who needed them. S'mores and other activities were also provided. One participant emailed the department to say, "I just wanted to send a big thank you to everyone that put on this event. We had a great time and appreciate all the hard work that went into planning and putting this on. It was my four year old son's first camping trip and he couldn't be happier about it."

C. Annexation Information Booth at Jubilee Days

The City had an annexation information booth at Jubilee Days. Staff estimated 50-60 people stopped at the booth, many asking questions or picking up annexation information sheets, which were available in five languages (English, Spanish, Vietnamese, Somali and Cambodian). The next annexation informational forum is August 23, 6:00 p.m., at the White Center Food Bank, 10829 8th Ave SW.

D. 1st Avenue South Improvement Project - Phase I, Part 2 (SW 160th to SW 148th Street)

The contract for Part 2 of the 1st Avenue South Improvement Project - Phase I - was awarded to Transportation Systems, Inc. on June 20, 2012, and executed July 3. A Pre-Construction Conference was held on July 11, and Notice to Proceed is anticipated on July 30. The project is expected to be completed by mid- November, with a construction budget of approximately $700,000.

This project will complete the work from Phase I, including street lighting, ADA-compliant curb ramps, landscaping, and installation of a traffic signal at the SW 150th Street intersection.

E. 1st Avenue South Improvement Project - Phase II (SW 146th to SW 140th Street)

DPK Inc, the City's contractor, has completed the underground facilities for the overhead electrical power line conversion. This is a huge milestone.

Groundbreaking began in December, 2011. Efforts included comprehensive coordination with Seattle City Light; installation of several large vaults (with deep excavation) and duct bank work; 1st Avenue South traffic control; private property electrical service facility work; and the challenge of navigating the unusually wet weather season starting with snow.

F. 2012 Best Workplaces for Waste Prevention and Recycling

For the second year running the City of Burien has made the list of King County's Best Workplaces for Waste Prevention and Recycling. An ad featuring the 2012 Best Workplaces for Waste Prevention and Recycling will appear in the Puget Sound Business Journal's August 10 "Washington's Best Workplaces" issue.

G. PSRC Certifies Burien's 2011 Comprehensive Plan Amendments (Page 267)

On July 26, 2012, the Puget Sound Regional Council (PSRC) Executive Board took action to certify the 2011 amendments to Burien's Comprehensive Plan. The certification action, following the Plan Review Process adopted by PSRC's Executive Board, recognizes that the plan conforms to state requirements for transportation planning in the Growth Management Act and is consistent with the Multi-county Planning Policies and the regional transportation plan. See the attached letter and certification report for more information.

H. Utility Tax Audit Update

The City's utility tax auditors coordinated with Seattle City Light to review the financial information provided during the audit and determined that the additional payments received for the area annexed into Burien on April 1, 2010, were insufficient. As a result of this analysis, the City received an additional $162,272 for the months of April 2010, through March 2012. In total, Seattle City Light has paid the City an additional $441,995 for the annexed area over the two-year period. Per

contract, the auditor receives 25% of the back taxes collected, or approximately $110,500. Other companies being audited include AT&T Mobility, Century Link, MCI Verizon, Puget Sound Energy, Sprint Communications, Sprint Nextel, Sprint PCS, Seattle SMSA - Verizon, T-Mobile, and Waste Management.

I. 2011 City Audit Complete (Page 271)

The annual audit for 2011 is complete and the auditors conducted an exit conference on July 10. This year's audit had no issues reported on any level.

The exit conference was attended by Deputy Mayor Rose Clark, City Manager Mike Martin, Finance Director Kim Krause and Accounting Manager Gary Coleman. The audit process includes review of legal compliance, internal controls and financial statement presentation. Weaknesses and/or concerns identified by the auditor are presented to management on three levels: exit conference items, a management letter, or audit findings. Exit conference items are the least significant and are presented to city staff verbally during the exit conference. A management letter formally discloses concerns to city administrators and the auditors follow up during the next annual audit. The third and most serious level is an audit finding. A finding and the City's response would be included in the annual audit report issued by the auditor's office. The attorney general's office may get involved to resolve findings published in a final report.

The exit conference report for is attached for review. The auditor's office should have the City's report posted to their website by August 10, 2012. The 2011 Comprehensive Annual Financial Report (CAFR) can be found at this link on the City's website: http://www.burienwa.gov/DocumentView.aspx?DID=2099.

J. Seattle City Light (SCL) Undergrounding Fee Update (Page 275)

Attached is a debt service schedule for the SCL 1st Avenue South Phase I undergrounding fees. Per this schedule, the total amount financed by SCL for this project is $13,428,772.23. This includes $12,222,085.71 in capital costs and $1,206,686.52 in City of Seattle and State public utility taxes. The payment section of the debt schedule is broken down into two components – scheduled payments and actual payments. Staff worked with a financial consultant to conduct a perfunctory review of the costs included in this schedule and can estimate SCL's costs up to approximately $11.5 million.

Staff also asked the consultant to research the interest rate being charged by SCL to Burien residents and he provided the following analysis: SCL's 2009 (the first year of this debt service schedule) audited financial statements indicate a complicated debt structure with interest rates ranging from 3% to 6%, depending upon when the debt was issued and the scheduled maturities. Dividing their expected 2010 interest payments on long-term debt by the long-term debt outstanding at year-end 2009

suggests a weighted average rate at that time of 5.1%. SCL would certainly argue that because of the 25 year estimated life of the improvements and the 25 year amortization of their capital costs starting in 2009, an interest rate at the higher, longer-term end of their debt is appropriate.

If Council would like to perform more research on this issue, the recommendation is to appropriate $20,000 to hire an expert in this field as further investigation is outside of staff's expertise. If Council chooses to do this, staff will work with Council to develop a detailed scope of work for the consultant so that all questions are answered.

Staff has also researched the street lighting issue and the arrangement for utility districts to bill residents appears to have been in place long before the City was incorporated. SCL bills the City for a small number of street lights, approximately $80,000 per year, in addition to $25,000 per year for traffic signals. Staff is currently working with SCL to determine the exact location of the street lights billed to the City; however, this may take a considerable amount of time to resolve.

The SCL franchise agreement expires in 2014 and SCL has asked cities to work together on a renewal agreement. Staff is currently discussing the undergrounding issues with the other cities with the goal of providing clarification in the future franchise agreement.

K. Human Resources Manager Re-Elected to AWC EBAC Vice-Chair Position

At the July 20 meeting of the AWC Employee Benefits Advisory Committee (EBAC), Human Resources Manager Angie Chaufty was re-elected to serve as Vice-Chair of the Committee. As Vice-Chair, Angie will continue to fill one of two non-elected positions on AWC's Board of Trustees. The current AWC President, Vice-President, and four regionally elected Trustees round out the Board. The Board of Trustees is the governing authority of the AWC Employee Benefit Trust and has a fiduciary obligation to administer the Fund on behalf of its 280+ municipalities and quasi-municipal entities.

II. COUNCIL UPDATES/REPORTS

A. Letter Sent to Waste Management (Page 283)

The City Manager sent a letter to Waste Management regarding the current labor dispute with its drivers. The letter is attached for review.

B. Burien Animal Control Services and Community Animal Resources Education Society (CARES) (Page 285)

In a memorandum to City Council (attached) staff responds to suggestions and questions raised by Mayor Bennett and Councilmembers Block, Krakowiak, and Edgar regarding CARES.

C. 12th Avenue SW

Councilmember Block asked if staff could evaluate upgrading the Roadway Functional Classification of 12th Avenue SW between SW 152nd Street and SW 148th Street to an arterial. Burien's Roadway Functional Classifications are adopted in Chapter 2 of the Comprehensive Plan. There is a separate process for getting streets classified in the federal system. Typically, the process for evaluating classification is to study traffic volumes, type/magnitude/proximity of travel generators, directness of travel, characteristics of traffic and trip length, continuity of the various functional classes, accommodation for multiple travel modes, and other factors.

While a formal evaluation has not been conducted, in the case of 12th Avenue SW, staff believes it would not likely meet the criteria for an arterial – specifically when it comes to volume and connectivity to other classified streets; SW 148th Street is not classified as an arterial west of Ambaum. Furthermore, the newly adopted Transportation Master Plan did not identify 12th Avenue SW as a bicycle or pedestrian priority route, and it is not used as a transit route.

However, regardless of its classification, it should be noted that the Downtown Burien Streetscape Design Plan recommends improvements to this roadway which per that plan, "may include roadway surface improvements, road widening, and additional signage". Further study of the reclassification of 12th Avenue SW will not be performed unless it is requested by City Council.

D. Letter Sent to Washington State Dept. of Commerce Growth Management Services - Grants Team (Page 297)

Mayor Brian Bennett sent a letter on behalf of the City of Burien to The Washington State Department of Commerce Growth Management - Services Grants Team in support of Burien's application for the Growth Management Act (GMA) Competitive Planning Grant. This grant would provide funding to develop innovative policies, regulations and incentives to encourage re-development and infill of underutilized multi-family housing properties along identified high priority transit corridors. If supported by the analysis, a pilot program would be developed to test our findings.

E. Liquor Tax Information

This item is in response to a telephone request from Councilmember Block regarding the City's share of the new 20.5% liquor sales taxes. Distribution of the new liquor taxes is still being sorted out at the State level; however, cities were supposed to remain whole plus receive an additional $10 million per year for public safety. During the State's budget adoption, the additional $10 million per year was diverted to help balance the State budget. The ongoing revenue loss is estimated at $88,000 annually. Furthermore, the City will not receive any liquor excise tax for 3rd and 4th quarters in 2012 and 1st and 2nd quarters in 2013 as those revenues were also diverted to balance the State's budget. The one-time revenue loss is estimated at $250,000.

F. Notices: (Page 299)

The following (attached) Notices were Published:

- SEPA Determination of Nonsignificance (DNS), published July 20, 2012, for the purpose of receiving public comments on the proposed Drainage Master Plan. Written comments must be submitted by July 31, 2012.
- Notice of Application for a Short Plat-one residential lot into two residential lots. Written comments must be received prior to 5:00 p.m. on August 31, 2012.

CITY OF BURIEN, WASHINGTON
MEMORANDUM

TO: Mayor Brian Bennett
City Council Members
cc: Mike Martin, City Manager
FROM: Michael Lafreniere, Director, Parks, Recreation & Cultural Services
DATE: July 13, 2012
SUBJECT: Seahurst Park Trail Restoration Partnership Project (7-9-2012 to 8-16-2012)

The Burien Adopt-a-Park program has entered into a fantastic summer partnership program focusing on trail improvements along the North Nature Trail in Seahurst Park. The King County Work Training Program runs for six weeks during the summer as an opportunity for youth to earn high school credit as well as embark on work training for a wage.

The Seahurst project is a collaborative effort between City of Burien Parks, Recreation, and Cultural Services (PaRCS) Department, Highline School District's New Start High School, King County Work Training Program, Volunteers for Outdoor Washington (VOW – see www.trailvolunteers.org for more) and The Environmental Science Center (ESC – see www.envsciencecenter.org for more). This is the City's second year of involvement with the King County program. The County has run the Work Training Program since 1999 and has had a partnership with the Highline School District since 2005 (to learn more, see www.kingcounty.gov/socialservices/WorkTraining.aspx).

PaRCS staff is providing project oversight and tools for the 20 students and the program partners. New Start High School is providing the classroom space and education component, King County is overseeing the students and work training, VOW is providing tools, project oversight and guidance for the trail improvements and ESC is also providing on-sight project coordination for the field work. While earning credit for school, students are learning about team work, trail design and construction, some native plant habitat and why it is important to care for their public parks.

The project is targeting five priority areas along the bottom third, i.e. 1,700 lineal feet, of the North Nature Trail. Overall, 300 lineal feet of the trail will see improved drainage and added gravel, making it greatly improved for year-round hiking use.

Puget Sound Regional Council
PSRC

July 27, 2012

The Honorable Brian Bennett
Mayor, City of Burien
400 SW 152nd St, Suite 300
Burien, WA 98166

Subject: **Certification of Comprehensive Plan Amendments**

Dear Mayor Benett,

On July 26, 2012 the Puget Sound Regional Council (PSRC) Executive Board took action to certify the 2011 amendments to Burien's Comprehensive Plan. The certification action, following the Plan Review Process adopted by PSRC's Executive Board, recognizes that the plan conforms with state requirements for transportation planning in the Growth Management Act and is consistent with the *Multicounty Planning Policies* and the regional transportation plan.

VISION 2040 relies on local implementation for its success. It calls for an integrated approach that brings together environmental, growth management, economic development, and transportation planning. It envisions a more sustainable approach to how we preserve and restore our natural environment, while developing communities that are more walkable, transit-friendly, and healthier. As jurisdictions work on annual plan amendments, as well as their upcoming comprehensive plan updates, these are critical opportunities to further incorporate the long-range planning provisions of VISION 2040 in local plans.

Planning materials to guide local plan development and amendments are available on-line at *psrc.org/growth/planreview*. PSRC staff is also available to provide assistance and advance review as plan amendments and updates are being drafted.

Thank you again for working with us through the plan review and certification process. We look forward to continuing to work with you on the ongoing development of the City of Burien's comprehensive plan. If you or your staff have questions or need additional information regarding the review of local plans or the certification process, please contact me at jstorrar@psrc.org, phone (206) 587-4817 or Rocky Piro at rpiro@psrc.org, phone (206) 464-6360.

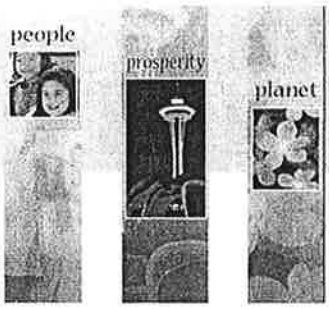
Sincerely,

Jeff Storrar

Jeff Storrar
Growth Management Planning

cc: Scott Greenberg, City of Burien Community Development Director
David Johanson, City of Burien Senior Planner

PSRC Plan Review Report
& Certification Recommendation



The City of Burien Comprehensive Plan

June 8, 2012

Background

A major emphasis of the Washington State Growth Management Act (GMA) is the need to coordinate local, regional, and state planning efforts. Within the central Puget Sound region, local governments and the Puget Sound Regional Council (PSRC) have worked together to develop an overall process for reviewing local, countywide, regional, and transit agency policies and plans for compatibility and consistency.[1] This process also provides an opportunity to coordinate and share information related to local and regional planning.

Conformity with the Growth Management Act for local transportation planning requires that local comprehensive plans conform to: (1) established regional guidelines and principles, (2) the adopted long-range regional transportation plan, and (3) transportation planning requirements in the Growth Management Act. Within the central Puget Sound region, the multicounty planning policies have been established as the guidelines and principles to guide regional and local planning.

Discussion

In 2011, the city began a multi-year approach to updating its comprehensive plan. In December 2011, the city adopted amendments to its plan and submitted these to PSRC for review. These amendments included changes to several elements of the plan, including the introduction, transportation, parks and open space, and economic development elements. PSRC staff has reviewed these and coordinated with city staff in the development of this report.

Part I of this report provides information on amendments adopted by the City of Burien in 2011. It is followed by Part II, which provides information for the city for future plan amendments and updates, especially as they relate to the multicounty planning policies and Transportation 2040.

Certification Recommendation

Based on the review of the City of Burien's 2011 comprehensive plan amendments, the following recommendation is proposed for action.

> **The Puget Sound Regional Council certifies that the transportation-related provisions in the City of Burien's 2011 Comprehensive Plan amendments conform to the Growth Management Act and are consistent with multicounty planning policies and the regional transportation plan.**

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[1] The certification requirement in the Growth Management Act is described Chapter 47.80, Revised Code of Washington (RCW). The specific requirements for transportation elements in local comprehensive plans are spelled out in Chapter 36.70A.070, RCW. The Puget Sound Regional Council's Interlocal Agreement, Section VII, also provides direction for the review of local comprehensive plans and countywide policies (Resolution A-91-01, amended March 1998). The Council's Executive Board last updated its process for Policy and Plan Review in September 2003. The process is also described in VISION 2040, Part IV: Implementation.

PART I: City of Burien's 2011 Plan Amendments

OVERVIEW. This section summarizes the comprehensive plan amendments adopted by the City of Burien in 2011. It covers the city's comprehensive plan amendments that relate to the Growth Management Act's local transportation planning provisions and the multicounty planning policies adopted in VISION 2040. In addition to the multicounty planning policies, VISION 2040 provides a Regional Growth Strategy, as well as a number of implementation actions and a request for a local context statement geared to local jurisdictions. These are also discussed below when they apply to the city's amendment(s).

2011 COMPREHENSIVE PLAN AMENDMENTS. As part of the City of Burien's 2011 comprehensive plan amendment process, the city updated its transportation element. These amendments added new objectives and policies, as well as revisions to previously adopted policies.

Three new policies address the development of a safe, multimodal transportation network, as called for by the multicounty planning policies and reinforced in Transportation 2040. These policies call for (1) using the city's adopted "layered network concept" when selecting streetscape features on all future road projects, (2) maintaining the road system in a safe and usable form for all modes of travel, and (3) reducing the drive-alone trips mode split for downtown Burien by 10% by 2030. The changes also support the multicounty planning policies that focus on the prioritization of transportation funds. A new objective was added in the transportation element that calls for transportation funding to "emphasize investments in facilities and services that support compact, pedestrian- and transit-oriented densities, alternative travel options, along connecting corridors."

A call for establishing a multimodal level-of-service (LOS) supports the emphasis in the multicounty planning policies on moving people and goods. This included revising the section of the transportation element that addresses LOS standards. The plan now calls for establishing LOS standards that encourage development of a multimodal transportation system. Policies were added and/or revised to further reflect this. These new planning provisions direct the city to (1) maintain and monitor transportation LOS standards for Burien roadways, encompassing all modes of travel, (2) evaluate street facilities' LOS standards while considering the operation of all modes, (3) and review LOS goals by mode when evaluating operations.

The city also added an objective to the transportation element that directs it to "assure that transportation improvements are concurrent with development to maintain the city's LOS standards." A new policy requires new development to mitigate transportation impacts. A previously adopted policy that called for exploring a concurrency ordinance was revised to call for implementing the city's concurrency program.

Helpful references and connections to city's Transportation Master Plan were brought into the plan during the amendment process. Policies in the transportation element now call for: (1) promoting efficient use of existing rights-of-way through use of signal timing, parking management, and improved intersections, (2) maintaining a system of roadways that forms an interconnected network for vehicular circulation, (3) minimizing bypass traffic and safety impacts on neighborhood streets, (4) maintaining and improving convenient access for emergency vehicles, and (5) designing and maintaining designated truck routes to accommodate freight traffic.

New goals, objectives, and policy addressing health and wellness were adopted throughout the plan during the city's 2011 amendment process. In the transportation element, a goal that has been added states that the city will "ensure that transportation plans and policies support active living, healthful food access and safe use of the transportation system, including access to schools." The objective and policy calls for the city to develop a health and safety index to place emphasis on active living and healthful food access components when considering transportation project funding priorities, and to use uniform and consistent health and safety definitions in developing all plans and policies.

New goals and policies were added to the introduction of the plan, the parks and open spaces element, the capital facilities element, and economic element. Goals focus on promoting and supporting the health and safety of all community members through planning, investments, and decision-making. Policies added in these elements

address developing public, private and non-profit partnerships, providing opportunities for physical activity and nutrition, and the siting and designing of public facilities to protect and promote public health. All of this work conforms to the GMA's local transportation planning requirements (RCW 36.070A.070 [6]) and clearly supports VISION 2040 and Transportation 2040. The policies by and large reinforce the multicounty planning policies and support the continued certification of the transportation-related provisions in the plan.

PART II: Future Plan Amendments and Updates

The city is taking significant steps to address regionally adopted policy adopted in VISION 2040 and Transportation 2040. Significant progress has been made in the 2011 amendment process to meet the 2015 GMA comprehensive plan update deadline. As the city completes additional work on its multi-year approach to updating its comprehensive plan, it should continue to review the plan and identify how future amendments can further address VISION 2040 and Transportation 2040. Examples and information on topic areas and issues to be addressed in updates and local implementation actions are available at: http://www.psrc.org/growth/planreview. PSRC staff is also available to assist in this work and encourages the city to continue its coordination to further address VISION 2040 through its annual amendment process.

City of Burien
Exit Conference
July 10, 2011

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Meeting Agenda

The purpose of our exit conference is to share the results of our independent audit and to provide a forum for open discussion. We are pleased to review our draft reports and discuss other topics as listed below with you.

- Accountability audit report
- Financial statement audit report and other required communications
- Federal grant compliance audit report
- Recommendations not included in our audit reports
- Status of prior audit recommendations
- Agreed-upon services
- Report publication
- Audit cost analysis
- Your next scheduled audit
- Customer service survey

Preliminary audit results and recommendations were shared in detail with City management and personnel as they were developed during the audit. We would like to thank staff for their cooperation and timely response to our requests during the audit.

We take seriously our responsibility of serving citizens by promoting accountability, fiscal integrity and openness in state and local government. We believe it is critical to citizens and the mission of the City that we work together as partners in accountability to prevent problems and constructively resolve issues. As such, we encourage your comments and questions.

Accountability Audit

Report

Our draft accountability report summarizes the results of our risk-based audit work related to safeguarding of public resources and legal compliance. The report does not include any findings.

Financial Statement Audit

Other Required Communications

Professional auditing standards require us to communicate the following information to the City Council:

- There were no significant difficulties encountered or disagreements with entity management during the audit.
- There were no material misstatements in the financial statements corrected by management during the audit.
- There were no uncorrected misstatements in the audited financial statements.

Report

Our draft financial statement report includes our opinion on the City's financial statements. It also includes our report on internal control over financial reporting and on noncompliance and other matters as required by *Government Auditing Standards*.

An unqualified opinion will be issued on the financial statements, which means that we believe they are presented fairly, in all material respects.

We did not identify deficiencies in internal control over financial reporting that are required to be included in our report.

No instances of noncompliance were identified that could have a direct and material effect on the determination of financial statement amounts.

Federal Grant Compliance Audit

Report

No single audit was done during this audit cycle therefore no report on federal grant compliance is being issued.

Recommendations not included in the Audit Reports

We are pleased to report no audit recommendations.

Status of Prior Audit Recommendations

There were no findings or management letter items in the prior audit

Additional Services

Agreed Upon Procedures

There were no additional agreed upon procedures during this audit.

Concluding Comments

Report Publication

Audit reports are published on our website and distributed via e-mail in an electronic .pdf file. We also offer a subscription service that allows you to be notified by email when audit reports are released or posted to our website. You can sign up for this convenient service at: www.sao.wa.gov/EN/News/Subscriptions

Audit Cost Analysis

	2011	2010	2009
Audit Cost	17556	34443	24913
Travel Expenses	306	553	465
Total Costs	$ 17,872	$ 34,996	$ 25,378
City's Total Expenses	$ 42,267,625	$ 32,288,907	$ 34,857,572
Cost as % of Expenses	**0.05%**	**0.11%**	**0.07%**

Your Next Scheduled Audit

Your next audit is scheduled to be conducted in May 2013 and will cover the following general areas:

- Accountability for Public Resources
- Financial Statement
- Federal Programs

The estimated cost for the next audit based on the current billing rate is $30,765 plus travel expenses. This preliminary estimate is provided as a budgeting tool and not a guarantee of final cost.

Customer Service Survey

An invitation to complete a customer service survey will be emailed to Gary Coleman, Accounting Manager. Your feedback is important to our commitment to continually develop and improve our audit process.

Please don't hesitate to contact our Office throughout the year when you have questions. Our website also offers many resources, including a client HelpDesk for your auditing and accounting questions.

Burien Infrastructure

Seattle City Light Infrastructure Loan to City of Burien

Note: Please see note comments at the end of the schedule

Recorded beginning June 2011 (Capital Costs in 2009 only).		
Burien - Capital Cost		
2009 Prin(Inc Taxes)	1,451,023.88	Additional 2009 Capital Costs
YTD 2009 Total Principal	1,451,023.88	
Interest Rate	0.05	
Remaining Term (Yrs)	23.00	Remaining life starting Jun11
Remaining Term (Months)	276.00	to end with $11.8 loan life
Monthly Payment	8,857.13	

	Capital	Taxes-City	Taxes-State	Taxes-Total
Initial Project Costs	$ 10,735,171.52	$ 644,110.29	$ 415,773.19	$ 1,059,883.48
2009 Additional Project Costs	$ 1,320,637.35	$ 79,238.24	$ 51,148.28	$ 130,386.53
	$ 166,276.84	$ 9,976.61	$ 6,439.90	$ 16,416.51
Revised Capital Cost 1/31/10	$ 12,222,085.71	$ 733,325.14	$ 473,361.38	$ 1,206,686.52

	additions as of : 12/31/08	2009	2010	TOTAL
Capital Costs	$ 10,735,171.52	$ 1,320,637.35	$ 166,276.84	$ 12,222,085.71
Taxes	$ 1,059,883.48	$ 130,386.53	$ 16,416.51	$ 1,206,686.52
Total Cost	$ 11,795,055.00	$ 1,451,023.88	$ 182,693.35	$ 13,428,772.23

2008 Mo. Pymt	68,952.71	
2009 Mo. Pymt	8,857.13	
2012 mo. Pymt	1,142.34	
New Mo. Pymt	78,952.19	As of June 30, 2012

Recorded beginning June 2009 (Capital Costs in 2008 only).		
Burien - Capital Cost		
Principal (Inc Taxes)	11,795,055.00	<<<initial Balance + taxes @ .09873
Interest Rate	0.05	
Term (Yrs)	25.00	Original schedule Life for $11.8M
Monthly Payment	68,952.71	

Recorded beginning June 2012.		
Burien - Capital Cost		
2010 Principal (Inc Taxes)	182,693.35	Additional 2010 Capital Costs
Interest Rate	0.05	
Terms (Yrs)	22.00	Remaining life starting Jun12
Monthly Payment	1,142.34	to end with $11.8 loan life

			Scheduled Payments					Actual Payments						
Pymt	Month	Year	Scheduled BOP Principal Balance	Scheduled Total Payment	Scheduled Calculated Interest	Scheduled Calculated Principal	Scheduled EOP Principal Balance	Actual BOP Principal Balance	Actual Interest Calculated	CR 41927 Actual Interest Applied	CR 14329 Actual Principal Applied	DR 14210 Actual Payment Received	Actual EOP Principal Balance	Increase to Principal
1	6	2009	11,795,055.00	68,952.72	49,146.06	19,806.66	11,775,248.34	11,795,055.00	49,146.06	13,559.89	0.00	13,559.89	11,830,641.18	35,586.18
2	7	2009	11,775,248.34	68,952.72	49,063.53	19,889.19	11,755,359.15	11,830,641.18	49,294.34	42,536.38	0.00	42,536.38	11,837,399.14	6,757.96
3	8	2009	11,755,359.15	68,952.72	48,980.66	19,972.06	11,735,387.09	11,837,399.14	49,322.50	49,322.50	4,743.73	54,066.23	11,832,655.40	42,344.14
4	9	2009	11,735,387.09	68,952.72	48,897.45	20,055.27	11,715,331.82	11,832,655.40	49,302.73	49,302.73	9,632.71	58,935.44	11,823,022.69	
5	10	2009	11,715,331.82	68,952.72	48,813.88	20,138.84	11,695,192.98	11,823,022.69	49,262.59	49,262.59	3,051.21	52,313.80	11,819,971.48	
6	11	2009	11,695,192.98	68,952.72	48,729.97	20,222.75	11,674,970.23	11,819,971.48	49,249.88	49,249.88	12,362.71	61,612.59	11,807,608.77	
7	12	2009	11,674,970.23	68,952.72	48,645.71	20,307.01	11,654,663.22	11,807,608.77	49,198.37	49,198.37	18,420.12	67,618.49	11,789,188.65	
			1,451,023.88				13,105,687.10	1,451,023.88 (a)	(34,392.86) (b)				13,205,819.66	(34,392.86) (b)
8	1	2010	11,654,663.22	68,952.72	48,561.10	20,391.62	11,634,271.60	13,205,819.66	55,024.25	55,024.25	31,895.12	86,919.37	13,173,924.54	7,951.28 (c)
9	2	2010	11,634,271.60	68,952.72	48,476.13	20,476.59	11,613,795.01	13,173,924.54	54,891.35	54,891.35	22,791.02	77,682.37	13,151,133.52	
10	3	2010	11,613,795.01	68,952.72	48,390.81	20,561.91	11,593,233.10	13,151,133.52	54,796.39	54,796.39	25,849.89	80,646.28	13,125,283.63	
11	4	2010	11,593,233.10	68,952.72	48,305.14	20,647.58	11,572,585.52	13,125,283.63	54,688.68	54,688.68	10,611.28	65,299.96	13,114,672.35	
12	5	2010	11,572,585.52	68,952.72	48,219.11	20,733.61	11,551,851.91	13,114,672.35	54,644.47	54,644.47	15,219.49	69,863.96	13,099,452.87	

Pymt	Burien Infrastr Month	Year	Scheduled BOP Principal Balance	Scheduled Total Payment	Scheduled Calculated Interest	Scheduled Calculated Principal	Scheduled EOP Principal Balance	Actual BOP Principal Balance	Actual Interest Calculated	Actual Interest Applied	Actual Principal Applied	Actual Payment Received	Actual EOP Principal Balance	Increase to Principal
13	6	2010	11,551,851.91	68,952.72	48,132.72	20,820.00	11,531,031.91	13,099,452.87	54,581.05	54,581.05	1,157.96	55,739.01	13,098,294.90	
14	7	2010	11,531,031.91	68,952.72	48,045.97	20,906.75	11,510,125.16	13,098,294.90	54,576.23	54,576.23	7,136.81	61,713.04	13,091,158.10	
15	8	2010	11,510,125.16	68,952.72	47,958.85	20,993.87	11,489,131.29	13,091,158.10	54,546.49	54,546.49	(552.30)	53,994.19	13,091,710.40	
16	9	2010	11,489,131.29	68,952.72	47,871.38	21,081.34	11,468,049.95	13,091,710.40	54,548.79	54,548.79	6,115.36	60,664.15	13,085,595.04	
17	10	2010	11,468,049.95	68,952.72	47,783.54	21,169.18	11,446,880.77	13,085,595.04	54,523.31	54,523.31	(2,547.06)	51,976.25	13,088,142.10	
18	11	2010	11,446,880.77	68,952.72	47,695.34	21,257.38	11,425,623.39	13,088,142.10	54,533.93	54,533.93	5,440.47	59,974.40	13,082,701.63	
19	12	2010	11,425,623.39	68,952.72	47,606.76	21,345.96	11,404,277.43	13,082,701.63	54,511.26	54,511.26	15,815.97	70,327.23	13,066,885.67	
20	1	2011	11,404,277.43	68,952.72	47,517.82	21,434.90	11,382,842.53	13,066,885.67	54,445.36	54,445.36	33,272.00	87,717.36	13,033,613.67	
21	2	2011	11,382,842.53	68,952.72	47,428.51	21,524.21	11,361,318.32	13,033,613.67	54,306.72	54,306.72	23,132.83	77,439.55	13,010,480.84	
22	3	2011	11,361,318.32	68,952.72	47,338.83	21,613.89	11,339,704.43	13,010,480.84	54,210.34	54,210.34	34,354.03	88,564.37	12,976,126.82	
23	4	2011	11,339,704.43	68,952.72	47,248.77	21,703.95	11,318,000.48	12,976,126.82	54,067.20	54,067.20	18,649.53	72,716.73	12,957,477.29	
24	5	2011	11,318,000.48	68,952.72	47,158.34	21,794.38	11,296,206.10	12,957,477.29	53,989.49	53,989.49	16,624.32	70,613.81	12,940,852.98	
25	6	2011	12,747,229.98	77,809.85 (d)	53,113.46	24,696.39	12,722,533.59	12,940,852.98	53,920.22	53,920.22	6,579.38	60,499.60	12,934,273.60	
26	7	2011	12,722,533.59	77,809.85	53,010.56	24,799.29	12,697,734.31	12,934,273.60	53,892.81	53,892.81	6,806.97	60,699.78	12,927,466.63	
27	8	2011	12,697,734.31	77,809.85	52,907.23	24,902.62	12,672,831.69	12,927,466.63	53,864.44	53,864.44	(1,412.94)	52,451.50	12,928,879.57	
28	9	2011	12,672,831.69	77,809.85	52,803.47	25,006.38	12,647,825.32	12,928,879.57	53,870.33	53,870.33	5,696.09	59,566.42	12,923,183.48	
29	10	2011	12,647,825.32	77,809.85	52,699.27	25,110.58	12,622,714.74	12,923,183.48	53,846.60	53,846.60	(2,908.48)	50,938.12	12,926,091.96	
30	11	2011	12,622,714.74	77,809.85	52,594.64	25,215.21	12,597,499.53	12,926,091.96	53,858.72	53,858.72	6,610.62	60,469.34	12,919,481.34	
31	12	2011	12,597,499.53	77,809.85	52,489.58	25,320.27	12,572,179.27	12,919,481.34	53,831.17	53,831.17	13,889.12	67,720.29	12,905,592.22	12/31/2011
32	1	2012	12,572,179.27	77,809.85	52,384.08	25,425.77	12,546,753.50	12,905,592.22	53,773.30	53,773.30	37,060.14	90,833.44	12,868,532.08	
33	2	2012	12,546,753.50	77,809.85	52,278.14	25,531.71	12,521,221.80	12,868,532.08	53,618.88	53,618.88	22,367.97	75,986.85	12,846,164.11	
34	3	2012	12,521,221.80	77,809.85	52,171.76	25,638.09	12,495,583.71	12,846,164.11	53,525.68	53,525.68	32,811.54	86,337.22	12,813,352.57	
35	4	2012	12,495,583.71	77,809.85	52,064.93	25,744.92	12,469,838.79	12,813,352.57	53,388.97	53,388.97	33,702.77	87,091.74	12,779,649.80	
36	5	2012	12,469,838.79	77,809.85	51,957.66	25,852.19	12,443,986.61	12,779,649.80	53,248.54	53,248.54	42,287.45	95,535.99	12,737,362.35 (e)	5/31/2012
			182,693.35				12,626,679.96	182,693.35					12,920,055.70	
37	6	2012	12,626,679.96	78,952.19 (f)	52,611.17	26,341.02	12,600,338.94	12,920,055.70			0.00		12,920,055.70	
38	7	2012	12,600,338.94	78,952.19	52,501.41	26,450.78	12,573,888.16	12,920,055.70			0.00		12,920,055.70	
39	8	2012	12,573,888.16	78,952.19	52,391.20	26,560.99	12,547,327.17	12,920,055.70			0.00		12,920,055.70	
40	9	2012	12,547,327.17	78,952.19	52,280.53	26,671.66	12,520,655.52	12,920,055.70			0.00		12,920,055.70	
41	10	2012	12,520,655.52	78,952.19	52,169.40	26,782.79	12,493,872.73	12,920,055.70			0.00		12,920,055.70	
42	11	2012	12,493,872.73	78,952.19	52,057.80	26,894.39	12,466,978.34	12,920,055.70			0.00		12,920,055.70	
43	12	2012	12,466,978.34	78,952.19	51,945.74	27,006.45	12,439,971.89	12,920,055.70			0.00		12,920,055.70	
44	1	2013	12,439,971.89	78,952.19	51,833.22	27,118.97	12,412,852.92	12,920,055.70			0.00		12,920,055.70	
45	2	2013	12,412,852.92	78,952.19	51,720.22	27,231.97	12,385,620.95	12,920,055.70			0.00		12,920,055.70	
46	3	2013	12,385,620.95	78,952.19	51,606.75	27,345.44	12,358,275.52	12,920,055.70			0.00		12,920,055.70	
47	4	2013	12,358,275.52	78,952.19	51,492.81	27,459.38	12,330,816.14	12,920,055.70			0.00		12,920,055.70	
48	5	2013	12,330,816.14	78,952.19	51,378.40	27,573.79	12,303,242.35	12,920,055.70			0.00		12,920,055.70	
49	6	2013	12,303,242.35	78,952.19	51,263.51	27,688.68	12,275,553.67	12,920,055.70			0.00		12,920,055.70	
50	7	2013	12,275,553.67	78,952.19	51,148.14	27,804.05	12,247,749.62	12,920,055.70			0.00		12,920,055.70	
51	8	2013	12,247,749.62	78,952.19	51,032.29	27,919.90	12,219,829.73	12,920,055.70			0.00		12,920,055.70	
52	9	2013	12,219,829.73	78,952.19	50,915.96	28,036.23	12,191,793.50	12,920,055.70			0.00		12,920,055.70	
53	10	2013	12,191,793.50	78,952.19	50,799.14	28,153.05	12,163,640.45	12,920,055.70			0.00		12,920,055.70	
54	11	2013	12,163,640.45	78,952.19	50,681.84	28,270.35	12,135,370.10	12,920,055.70			0.00		12,920,055.70	
55	12	2013	12,135,370.10	78,952.19	50,564.04	28,388.15	12,106,981.95	12,920,055.70			0.00		12,920,055.70	
56	1	2014	12,106,981.95	78,952.19	50,445.76	28,506.43	12,078,475.52	12,920,055.70			0.00		12,920,055.70	
57	2	2014	12,078,475.52	78,952.19	50,326.98	28,625.21	12,049,850.32	12,920,055.70			0.00		12,920,055.70	
58	3	2014	12,049,850.32	78,952.19	50,207.71	28,744.48	12,021,105.84	12,920,055.70			0.00		12,920,055.70	
59	4	2014	12,021,105.84	78,952.19	50,087.94	28,864.25	11,992,241.59	12,920,055.70			0.00		12,920,055.70	
60	5	2014	11,992,241.59	78,952.19	49,967.67	28,984.52	11,963,257.07	12,920,055.70			0.00		12,920,055.70	
61	6	2014	11,963,257.07	78,952.19	49,846.90	29,105.29	11,934,151.78	12,920,055.70			0.00		12,920,055.70	
62	7	2014	11,934,151.78	78,952.19	49,725.63	29,226.56	11,904,925.22	12,920,055.70			0.00		12,920,055.70	
63	8	2014	11,904,925.22	78,952.19	49,603.86	29,348.33	11,875,576.90	12,920,055.70			0.00		12,920,055.70	
64	9	2014	11,875,576.90	78,952.19	49,481.57	29,470.62	11,846,106.28	12,920,055.70			0.00		12,920,055.70	

Pymt	Burien Infrastr Month	Year	Scheduled BOP Principal Balance	Scheduled Total Payment	Scheduled Calculated Interest	Scheduled Calculated Principal	Scheduled EOP Principal Balance	Actual BOP Principal Balance	Actual Interest Calculated	Actual Interest Applied	Actual Principal Applied	Actual Payment Received	Actual EOP Principal Balance	Increase to Principal
65	10	2014	11,846,106.28	78,952.19	49,358.78	29,593.41	11,816,512.87	12,920,055.70			0.00		12,920,055.70	
66	11	2014	11,816,512.87	78,952.19	49,235.47	29,716.72	11,786,796.15	12,920,055.70			0.00		12,920,055.70	
67	12	2014	11,786,796.15	78,952.19	49,111.65	29,840.54	11,756,955.61	12,920,055.70			0.00		12,920,055.70	
68	1	2015	11,756,955.61	78,952.19	48,987.32	29,964.87	11,726,990.74	12,920,055.70			0.00		12,920,055.70	
69	2	2015	11,726,990.74	78,952.19	48,862.46	30,089.73	11,696,901.02	12,920,055.70			0.00		12,920,055.70	
70	3	2015	11,696,901.02	78,952.19	48,737.09	30,215.10	11,666,685.92	12,920,055.70			0.00		12,920,055.70	
71	4	2015	11,666,685.92	78,952.19	48,611.19	30,341.00	11,636,344.92	12,920,055.70			0.00		12,920,055.70	
72	5	2015	11,636,344.92	78,952.19	48,484.77	30,467.42	11,605,877.50	12,920,055.70			0.00		12,920,055.70	
73	6	2015	11,605,877.50	78,952.19	48,357.82	30,594.37	11,575,283.13	12,920,055.70			0.00		12,920,055.70	
74	7	2015	11,575,283.13	78,952.19	48,230.35	30,721.84	11,544,561.29	12,920,055.70			0.00		12,920,055.70	
75	8	2015	11,544,561.29	78,952.19	48,102.34	30,849.85	11,513,711.45	12,920,055.70			0.00		12,920,055.70	
76	9	2015	11,513,711.45	78,952.19	47,973.80	30,978.39	11,482,733.06	12,920,055.70			0.00		12,920,055.70	
77	10	2015	11,482,733.06	78,952.19	47,844.72	31,107.47	11,451,625.59	12,920,055.70			0.00		12,920,055.70	
78	11	2015	11,451,625.59	78,952.19	47,715.11	31,237.08	11,420,388.51	12,920,055.70			0.00		12,920,055.70	
79	12	2015	11,420,388.51	78,952.19	47,584.95	31,367.24	11,389,021.27	12,920,055.70			0.00		12,920,055.70	
80	1	2016	11,389,021.27	78,952.19	47,454.26	31,497.93	11,357,523.34	12,920,055.70			0.00		12,920,055.70	
81	2	2016	11,357,523.34	78,952.19	47,323.01	31,629.18	11,325,894.17	12,920,055.70			0.00		12,920,055.70	
82	3	2016	11,325,894.17	78,952.19	47,191.23	31,760.96	11,294,133.21	12,920,055.70			0.00		12,920,055.70	
83	4	2016	11,294,133.21	78,952.19	47,058.89	31,893.30	11,262,239.91	12,920,055.70			0.00		12,920,055.70	
84	5	2016	11,262,239.91	78,952.19	46,926.00	32,026.19	11,230,213.72	12,920,055.70			0.00		12,920,055.70	
85	6	2016	11,230,213.72	78,952.19	46,792.56	32,159.63	11,198,054.09	12,920,055.70			0.00		12,920,055.70	
86	7	2016	11,198,054.09	78,952.19	46,658.56	32,293.63	11,165,760.47	12,920,055.70			0.00		12,920,055.70	
87	8	2016	11,165,760.47	78,952.19	46,524.00	32,428.19	11,133,332.28	12,920,055.70			0.00		12,920,055.70	
88	9	2016	11,133,332.28	78,952.19	46,388.88	32,563.31	11,100,768.97	12,920,055.70			0.00		12,920,055.70	
89	10	2016	11,100,768.97	78,952.19	46,253.20	32,698.99	11,068,069.98	12,920,055.70			0.00		12,920,055.70	
90	11	2016	11,068,069.98	78,952.19	46,116.96	32,835.23	11,035,234.75	12,920,055.70			0.00		12,920,055.70	
91	12	2016	11,035,234.75	78,952.19	45,980.14	32,972.05	11,002,262.70	12,920,055.70			0.00		12,920,055.70	
92	1	2017	11,002,262.70	78,952.19	45,842.76	33,109.43	10,969,153.28	12,920,055.70			0.00		12,920,055.70	
93	2	2017	10,969,153.28	78,952.19	45,704.81	33,247.38	10,935,905.90	12,920,055.70			0.00		12,920,055.70	
94	3	2017	10,935,905.90	78,952.19	45,566.27	33,385.92	10,902,519.98	12,920,055.70			0.00		12,920,055.70	
95	4	2017	10,902,519.98	78,952.19	45,427.17	33,525.02	10,868,994.96	12,920,055.70			0.00		12,920,055.70	
96	5	2017	10,868,994.96	78,952.19	45,287.48	33,664.71	10,835,330.25	12,920,055.70			0.00		12,920,055.70	
97	6	2017	10,835,330.25	78,952.19	45,147.21	33,804.98	10,801,525.27	12,920,055.70			0.00		12,920,055.70	
98	7	2017	10,801,525.27	78,952.19	45,006.36	33,945.83	10,767,579.45	12,920,055.70			0.00		12,920,055.70	
99	8	2017	10,767,579.45	78,952.19	44,864.91	34,087.28	10,733,492.17	12,920,055.70			0.00		12,920,055.70	
100	9	2017	10,733,492.17	78,952.19	44,722.88	34,229.31	10,699,262.86	12,920,055.70			0.00		12,920,055.70	
101	10	2017	10,699,262.86	78,952.19	44,580.26	34,371.93	10,664,890.93	12,920,055.70			0.00		12,920,055.70	
102	11	2017	10,664,890.93	78,952.19	44,437.05	34,515.14	10,630,375.79	12,920,055.70			0.00		12,920,055.70	
103	12	2017	10,630,375.79	78,952.19	44,293.23	34,658.96	10,595,716.83	12,920,055.70			0.00		12,920,055.70	
104	1	2018	10,595,716.83	78,952.19	44,148.82	34,803.37	10,560,913.47	12,920,055.70			0.00		12,920,055.70	
105	2	2018	10,560,913.47	78,952.19	44,003.81	34,948.38	10,525,965.09	12,920,055.70			0.00		12,920,055.70	
106	3	2018	10,525,965.09	78,952.19	43,858.19	35,094.00	10,490,871.09	12,920,055.70			0.00		12,920,055.70	
107	4	2018	10,490,871.09	78,952.19	43,711.96	35,240.23	10,455,630.86	12,920,055.70			0.00		12,920,055.70	
108	5	2018	10,455,630.86	78,952.19	43,565.13	35,387.06	10,420,243.80	12,920,055.70			0.00		12,920,055.70	
109	6	2018	10,420,243.80	78,952.19	43,417.68	35,534.51	10,384,709.29	12,920,055.70			0.00		12,920,055.70	
110	7	2018	10,384,709.29	78,952.19	43,269.62	35,682.57	10,349,026.73	12,920,055.70			0.00		12,920,055.70	
111	8	2018	10,349,026.73	78,952.19	43,120.94	35,831.25	10,313,195.48	12,920,055.70			0.00		12,920,055.70	
112	9	2018	10,313,195.48	78,952.19	42,971.65	35,980.54	10,277,214.94	12,920,055.70			0.00		12,920,055.70	
113	10	2018	10,277,214.94	78,952.19	42,821.73	36,130.46	10,241,084.48	12,920,055.70			0.00		12,920,055.70	
114	11	2018	10,241,084.48	78,952.19	42,671.19	36,281.00	10,204,803.48	12,920,055.70			0.00		12,920,055.70	
115	12	2018	10,204,803.48	78,952.19	42,520.01	36,432.18	10,168,371.31	12,920,055.70			0.00		12,920,055.70	
116	1	2019	10,168,371.31	78,952.19	42,368.21	36,583.98	10,131,787.33	12,920,055.70			0.00		12,920,055.70	
117	2	2019	10,131,787.33	78,952.19	42,215.78	36,736.41	10,095,050.92	12,920,055.70			0.00		12,920,055.70	

Pymt	Burien Infrastr Month	Year	Scheduled BOP Principal Balance	Scheduled Total Payment	Scheduled Calculated Interest	Scheduled Calculated Principal	Scheduled EOP Principal Balance	Actual BOP Principal Balance	Actual Interest Calculated	Actual Interest Applied	Actual Principal Applied	Actual Payment Received	Actual EOP Principal Balance	Increase to Principal
118	3	2019	10,095,050.92	78,952.19	42,062.71	36,889.48	10,058,161.44	12,920,055.70			0.00		12,920,055.70	
119	4	2019	10,058,161.44	78,952.19	41,909.01	37,043.18	10,021,118.26	12,920,055.70			0.00		12,920,055.70	
120	5	2019	10,021,118.26	78,952.19	41,754.66	37,197.53	9,983,920.73	12,920,055.70			0.00		12,920,055.70	
121	6	2019	9,983,920.73	78,952.19	41,599.67	37,352.52	9,946,568.22	12,920,055.70			0.00		12,920,055.70	
122	7	2019	9,946,568.22	78,952.19	41,444.03	37,508.16	9,909,060.06	12,920,055.70			0.00		12,920,055.70	
123	8	2019	9,909,060.06	78,952.19	41,287.75	37,664.44	9,871,395.62	12,920,055.70			0.00		12,920,055.70	
124	9	2019	9,871,395.62	78,952.19	41,130.82	37,821.37	9,833,574.25	12,920,055.70			0.00		12,920,055.70	
125	10	2019	9,833,574.25	78,952.19	40,973.23	37,978.96	9,795,595.29	12,920,055.70			0.00		12,920,055.70	
126	11	2019	9,795,595.29	78,952.19	40,814.98	38,137.21	9,757,458.08	12,920,055.70			0.00		12,920,055.70	
127	12	2019	9,757,458.08	78,952.19	40,656.08	38,296.11	9,719,161.98	12,920,055.70			0.00		12,920,055.70	
128	1	2020	9,719,161.98	78,952.19	40,496.51	38,455.68	9,680,706.30	12,920,055.70			0.00		12,920,055.70	
129	2	2020	9,680,706.30	78,952.19	40,336.28	38,615.91	9,642,090.39	12,920,055.70			0.00		12,920,055.70	
130	3	2020	9,642,090.39	78,952.19	40,175.38	38,776.81	9,603,313.58	12,920,055.70			0.00		12,920,055.70	
131	4	2020	9,603,313.58	78,952.19	40,013.81	38,938.38	9,564,375.20	12,920,055.70			0.00		12,920,055.70	
132	5	2020	9,564,375.20	78,952.19	39,851.56	39,100.63	9,525,274.57	12,920,055.70			0.00		12,920,055.70	
133	6	2020	9,525,274.57	78,952.19	39,688.64	39,263.55	9,486,011.03	12,920,055.70			0.00		12,920,055.70	
134	7	2020	9,486,011.03	78,952.19	39,525.05	39,427.14	9,446,583.89	12,920,055.70			0.00		12,920,055.70	
135	8	2020	9,446,583.89	78,952.19	39,360.77	39,591.42	9,406,992.47	12,920,055.70			0.00		12,920,055.70	
136	9	2020	9,406,992.47	78,952.19	39,195.80	39,756.39	9,367,236.08	12,920,055.70			0.00		12,920,055.70	
137	10	2020	9,367,236.08	78,952.19	39,030.15	39,922.04	9,327,314.04	12,920,055.70			0.00		12,920,055.70	
138	11	2020	9,327,314.04	78,952.19	38,863.81	40,088.38	9,287,225.66	12,920,055.70			0.00		12,920,055.70	
139	12	2020	9,287,225.66	78,952.19	38,696.77	40,255.42	9,246,970.25	12,920,055.70			0.00		12,920,055.70	
140	1	2021	9,246,970.25	78,952.19	38,529.04	40,423.15	9,206,547.10	12,920,055.70			0.00		12,920,055.70	
141	2	2021	9,206,547.10	78,952.19	38,360.61	40,591.58	9,165,955.52	12,920,055.70			0.00		12,920,055.70	
142	3	2021	9,165,955.52	78,952.19	38,191.48	40,760.71	9,125,194.81	12,920,055.70			0.00		12,920,055.70	
143	4	2021	9,125,194.81	78,952.19	38,021.65	40,930.54	9,084,264.27	12,920,055.70			0.00		12,920,055.70	
144	5	2021	9,084,264.27	78,952.19	37,851.10	41,101.09	9,043,163.18	12,920,055.70			0.00		12,920,055.70	
145	6	2021	9,043,163.18	78,952.19	37,679.85	41,272.34	9,001,890.85	12,920,055.70			0.00		12,920,055.70	
146	7	2021	9,001,890.85	78,952.19	37,507.88	41,444.31	8,960,446.54	12,920,055.70			0.00		12,920,055.70	
147	8	2021	8,960,446.54	78,952.19	37,335.19	41,617.00	8,918,829.54	12,920,055.70			0.00		12,920,055.70	
148	9	2021	8,918,829.54	78,952.19	37,161.79	41,790.40	8,877,039.14	12,920,055.70			0.00		12,920,055.70	
149	10	2021	8,877,039.14	78,952.19	36,987.66	41,964.53	8,835,074.61	12,920,055.70			0.00		12,920,055.70	
150	11	2021	8,835,074.61	78,952.19	36,812.81	42,139.38	8,792,935.24	12,920,055.70			0.00		12,920,055.70	
151	12	2021	8,792,935.24	78,952.19	36,637.23	42,314.96	8,750,620.28	12,920,055.70			0.00		12,920,055.70	
152	1	2022	8,750,620.28	78,952.19	36,460.92	42,491.27	8,708,129.01	12,920,055.70			0.00		12,920,055.70	
153	2	2022	8,708,129.01	78,952.19	36,283.87	42,668.32	8,665,460.69	12,920,055.70			0.00		12,920,055.70	
154	3	2022	8,665,460.69	78,952.19	36,106.09	42,846.10	8,622,614.59	12,920,055.70			0.00		12,920,055.70	
155	4	2022	8,622,614.59	78,952.19	35,927.56	43,024.63	8,579,589.96	12,920,055.70			0.00		12,920,055.70	
156	5	2022	8,579,589.96	78,952.19	35,748.29	43,203.90	8,536,386.07	12,920,055.70			0.00		12,920,055.70	
157	6	2022	8,536,386.07	78,952.19	35,568.28	43,383.91	8,493,002.16	12,920,055.70			0.00		12,920,055.70	
158	7	2022	8,493,002.16	78,952.19	35,387.51	43,564.68	8,449,437.48	12,920,055.70			0.00		12,920,055.70	
159	8	2022	8,449,437.48	78,952.19	35,205.99	43,746.20	8,405,691.28	12,920,055.70			0.00		12,920,055.70	
160	9	2022	8,405,691.28	78,952.19	35,023.71	43,928.48	8,361,762.80	12,920,055.70			0.00		12,920,055.70	
161	10	2022	8,361,762.80	78,952.19	34,840.68	44,111.51	8,317,651.29	12,920,055.70			0.00		12,920,055.70	
162	11	2022	8,317,651.29	78,952.19	34,656.88	44,295.31	8,273,355.99	12,920,055.70			0.00		12,920,055.70	
163	12	2022	8,273,355.99	78,952.19	34,472.32	44,479.87	8,228,876.12	12,920,055.70			0.00		12,920,055.70	
164	1	2023	8,228,876.12	78,952.19	34,286.98	44,665.21	8,184,210.91	12,920,055.70			0.00		12,920,055.70	
165	2	2023	8,184,210.91	78,952.19	34,100.88	44,851.31	8,139,359.60	12,920,055.70			0.00		12,920,055.70	
166	3	2023	8,139,359.60	78,952.19	33,914.00	45,038.19	8,094,321.41	12,920,055.70			0.00		12,920,055.70	
167	4	2023	8,094,321.41	78,952.19	33,726.34	45,225.85	8,049,095.56	12,920,055.70			0.00		12,920,055.70	
168	5	2023	8,049,095.56	78,952.19	33,537.90	45,414.29	8,003,681.28	12,920,055.70			0.00		12,920,055.70	
169	6	2023	8,003,681.28	78,952.19	33,348.67	45,603.52	7,958,077.76	12,920,055.70			0.00		12,920,055.70	
170	7	2023	7,958,077.76	78,952.19	33,158.66	45,793.53	7,912,284.23	12,920,055.70			0.00		12,920,055.70	

Pymt	Burien Infrastr Month	Year	Scheduled BOP Principal Balance	Scheduled Total Payment	Scheduled Calculated Interest	Scheduled Calculated Principal	Scheduled EOP Principal Balance	Actual BOP Principal Balance	Actual Interest Calculated	Actual Interest Applied	Actual Principal Applied	Actual Payment Received	Actual EOP Principal Balance	Increase to Principal
171	8	2023	7,912,284.23	78,952.19	32,967.85	45,984.34	7,866,299.89	12,920,055.70			0.00		12,920,055.70	
172	9	2023	7,866,299.89	78,952.19	32,776.25	46,175.94	7,820,123.95	12,920,055.70			0.00		12,920,055.70	
173	10	2023	7,820,123.95	78,952.19	32,583.85	46,368.34	7,773,755.61	12,920,055.70			0.00		12,920,055.70	
174	11	2023	7,773,755.61	78,952.19	32,390.65	46,561.54	7,727,194.08	12,920,055.70			0.00		12,920,055.70	
175	12	2023	7,727,194.08	78,952.19	32,196.64	46,755.55	7,680,438.53	12,920,055.70			0.00		12,920,055.70	
176	1	2024	7,680,438.53	78,952.19	32,001.83	46,950.36	7,633,488.17	12,920,055.70			0.00		12,920,055.70	
177	2	2024	7,633,488.17	78,952.19	31,806.20	47,145.99	7,586,342.18	12,920,055.70			0.00		12,920,055.70	
178	3	2024	7,586,342.18	78,952.19	31,609.76	47,342.43	7,538,999.75	12,920,055.70			0.00		12,920,055.70	
179	4	2024	7,538,999.75	78,952.19	31,412.50	47,539.69	7,491,460.06	12,920,055.70			0.00		12,920,055.70	
180	5	2024	7,491,460.06	78,952.19	31,214.42	47,737.77	7,443,722.30	12,920,055.70			0.00		12,920,055.70	
181	6	2024	7,443,722.30	78,952.19	31,015.51	47,936.68	7,395,785.62	12,920,055.70			0.00		12,920,055.70	
182	7	2024	7,395,785.62	78,952.19	30,815.77	48,136.42	7,347,649.20	12,920,055.70			0.00		12,920,055.70	
183	8	2024	7,347,649.20	78,952.19	30,615.21	48,336.98	7,299,312.22	12,920,055.70			0.00		12,920,055.70	
184	9	2024	7,299,312.22	78,952.19	30,413.80	48,538.39	7,250,773.83	12,920,055.70			0.00		12,920,055.70	
185	10	2024	7,250,773.83	78,952.19	30,211.56	48,740.63	7,202,033.21	12,920,055.70			0.00		12,920,055.70	
186	11	2024	7,202,033.21	78,952.19	30,008.47	48,943.72	7,153,089.49	12,920,055.70			0.00		12,920,055.70	
187	12	2024	7,153,089.49	78,952.19	29,804.54	49,147.65	7,103,941.84	12,920,055.70			0.00		12,920,055.70	
188	1	2025	7,103,941.84	78,952.19	29,599.76	49,352.43	7,054,589.41	12,920,055.70			0.00		12,920,055.70	
189	2	2025	7,054,589.41	78,952.19	29,394.12	49,558.07	7,005,031.34	12,920,055.70			0.00		12,920,055.70	
190	3	2025	7,005,031.34	78,952.19	29,187.63	49,764.56	6,955,266.78	12,920,055.70			0.00		12,920,055.70	
191	4	2025	6,955,266.78	78,952.19	28,980.28	49,971.91	6,905,294.88	12,920,055.70			0.00		12,920,055.70	
192	5	2025	6,905,294.88	78,952.19	28,772.06	50,180.13	6,855,114.75	12,920,055.70			0.00		12,920,055.70	
193	6	2025	6,855,114.75	78,952.19	28,562.98	50,389.21	6,804,725.54	12,920,055.70			0.00		12,920,055.70	
194	7	2025	6,804,725.54	78,952.19	28,353.02	50,599.17	6,754,126.37	12,920,055.70			0.00		12,920,055.70	
195	8	2025	6,754,126.37	78,952.19	28,142.19	50,810.00	6,703,316.37	12,920,055.70			0.00		12,920,055.70	
196	9	2025	6,703,316.37	78,952.19	27,930.48	51,021.71	6,652,294.66	12,920,055.70			0.00		12,920,055.70	
197	10	2025	6,652,294.66	78,952.19	27,717.89	51,234.30	6,601,060.37	12,920,055.70			0.00		12,920,055.70	
198	11	2025	6,601,060.37	78,952.19	27,504.42	51,447.77	6,549,612.60	12,920,055.70			0.00		12,920,055.70	
199	12	2025	6,549,612.60	78,952.19	27,290.05	51,662.14	6,497,950.46	12,920,055.70			0.00		12,920,055.70	
200	1	2026	6,497,950.46	78,952.19	27,074.79	51,877.40	6,446,073.06	12,920,055.70			0.00		12,920,055.70	
201	2	2026	6,446,073.06	78,952.19	26,858.64	52,093.55	6,393,979.51	12,920,055.70			0.00		12,920,055.70	
202	3	2026	6,393,979.51	78,952.19	26,641.58	52,310.61	6,341,668.90	12,920,055.70			0.00		12,920,055.70	
203	4	2026	6,341,668.90	78,952.19	26,423.62	52,528.57	6,289,140.34	12,920,055.70			0.00		12,920,055.70	
204	5	2026	6,289,140.34	78,952.19	26,204.75	52,747.44	6,236,392.90	12,920,055.70			0.00		12,920,055.70	
205	6	2026	6,236,392.90	78,952.19	25,984.97	52,967.22	6,183,425.68	12,920,055.70			0.00		12,920,055.70	
206	7	2026	6,183,425.68	78,952.19	25,764.27	53,187.92	6,130,237.76	12,920,055.70			0.00		12,920,055.70	
207	8	2026	6,130,237.76	78,952.19	25,542.66	53,409.53	6,076,828.23	12,920,055.70			0.00		12,920,055.70	
208	9	2026	6,076,828.23	78,952.19	25,320.12	53,632.07	6,023,196.16	12,920,055.70			0.00		12,920,055.70	
209	10	2026	6,023,196.16	78,952.19	25,096.65	53,855.54	5,969,340.63	12,920,055.70			0.00		12,920,055.70	
210	11	2026	5,969,340.63	78,952.19	24,872.25	54,079.94	5,915,260.69	12,920,055.70			0.00		12,920,055.70	
211	12	2026	5,915,260.69	78,952.19	24,646.92	54,305.27	5,860,955.42	12,920,055.70			0.00		12,920,055.70	
212	1	2027	5,860,955.42	78,952.19	24,420.65	54,531.54	5,806,423.88	12,920,055.70			0.00		12,920,055.70	
213	2	2027	5,806,423.88	78,952.19	24,193.43	54,758.76	5,751,665.12	12,920,055.70			0.00		12,920,055.70	
214	3	2027	5,751,665.12	78,952.19	23,965.27	54,986.92	5,696,678.21	12,920,055.70			0.00		12,920,055.70	
215	4	2027	5,696,678.21	78,952.19	23,736.16	55,216.03	5,641,462.18	12,920,055.70			0.00		12,920,055.70	
216	5	2027	5,641,462.18	78,952.19	23,506.09	55,446.10	5,586,016.08	12,920,055.70			0.00		12,920,055.70	
217	6	2027	5,586,016.08	78,952.19	23,275.07	55,677.12	5,530,338.96	12,920,055.70			0.00		12,920,055.70	
218	7	2027	5,530,338.96	78,952.19	23,043.08	55,909.11	5,474,429.85	12,920,055.70			0.00		12,920,055.70	
219	8	2027	5,474,429.85	78,952.19	22,810.12	56,142.07	5,418,287.78	12,920,055.70			0.00		12,920,055.70	
220	9	2027	5,418,287.78	78,952.19	22,576.20	56,375.99	5,361,911.80	12,920,055.70			0.00		12,920,055.70	
221	10	2027	5,361,911.80	78,952.19	22,341.30	56,610.89	5,305,300.91	12,920,055.70			0.00		12,920,055.70	
222	11	2027	5,305,300.91	78,952.19	22,105.42	56,846.77	5,248,454.14	12,920,055.70			0.00		12,920,055.70	
223	12	2027	5,248,454.14	78,952.19	21,868.56	57,083.63	5,191,370.51	12,920,055.70			0.00		12,920,055.70	

Pymt	Burien Infrastr Month	Year	Scheduled BOP Principal Balance	Scheduled Total Payment	Scheduled Calculated Interest	Scheduled Calculated Principal	Scheduled EOP Principal Balance	Actual BOP Principal Balance	Actual Interest Calculated	Actual Interest Applied	Actual Principal Applied	Actual Payment Received	Actual EOP Principal Balance	Increase to Principal
224	1	2028	5,191,370.51	78,952.19	21,630.71	57,321.48	5,134,049.03	12,920,055.70			0.00		12,920,055.70	
225	2	2028	5,134,049.03	78,952.19	21,391.87	57,560.32	5,076,488.71	12,920,055.70			0.00		12,920,055.70	
226	3	2028	5,076,488.71	78,952.19	21,152.04	57,800.15	5,018,688.57	12,920,055.70			0.00		12,920,055.70	
227	4	2028	5,018,688.57	78,952.19	20,911.20	58,040.99	4,960,647.58	12,920,055.70			0.00		12,920,055.70	
228	5	2028	4,960,647.58	78,952.19	20,669.36	58,282.83	4,902,364.75	12,920,055.70			0.00		12,920,055.70	
229	6	2028	4,902,364.75	78,952.19	20,426.52	58,525.67	4,843,839.08	12,920,055.70			0.00		12,920,055.70	
230	7	2028	4,843,839.08	78,952.19	20,182.66	58,769.53	4,785,069.55	12,920,055.70			0.00		12,920,055.70	
231	8	2028	4,785,069.55	78,952.19	19,937.79	59,014.40	4,726,055.15	12,920,055.70			0.00		12,920,055.70	
232	9	2028	4,726,055.15	78,952.19	19,691.90	59,260.29	4,666,794.87	12,920,055.70			0.00		12,920,055.70	
233	10	2028	4,666,794.87	78,952.19	19,444.98	59,507.21	4,607,287.66	12,920,055.70			0.00		12,920,055.70	
234	11	2028	4,607,287.66	78,952.19	19,197.03	59,755.16	4,547,532.50	12,920,055.70			0.00		12,920,055.70	
235	12	2028	4,547,532.50	78,952.19	18,948.05	60,004.14	4,487,528.36	12,920,055.70			0.00		12,920,055.70	
236	1	2029	4,487,528.36	78,952.19	18,698.03	60,254.16	4,427,274.20	12,920,055.70			0.00		12,920,055.70	
237	2	2029	4,427,274.20	78,952.19	18,446.98	60,505.21	4,366,768.99	12,920,055.70			0.00		12,920,055.70	
238	3	2029	4,366,768.99	78,952.19	18,194.87	60,757.32	4,306,011.68	12,920,055.70			0.00		12,920,055.70	
239	4	2029	4,306,011.68	78,952.19	17,941.72	61,010.47	4,245,001.21	12,920,055.70			0.00		12,920,055.70	
240	5	2029	4,245,001.21	78,952.19	17,687.51	61,264.68	4,183,736.53	12,920,055.70			0.00		12,920,055.70	
241	6	2029	4,183,736.53	78,952.19	17,432.24	61,519.95	4,122,216.58	12,920,055.70			0.00		12,920,055.70	
242	7	2029	4,122,216.58	78,952.19	17,175.90	61,776.29	4,060,440.29	12,920,055.70			0.00		12,920,055.70	
243	8	2029	4,060,440.29	78,952.19	16,918.50	62,033.69	3,998,406.60	12,920,055.70			0.00		12,920,055.70	
244	9	2029	3,998,406.60	78,952.19	16,660.03	62,292.16	3,936,114.45	12,920,055.70			0.00		12,920,055.70	
245	10	2029	3,936,114.45	78,952.19	16,400.48	62,551.71	3,873,562.74	12,920,055.70			0.00		12,920,055.70	
246	11	2029	3,873,562.74	78,952.19	16,139.84	62,812.35	3,810,750.39	12,920,055.70			0.00		12,920,055.70	
247	12	2029	3,810,750.39	78,952.19	15,878.13	63,074.06	3,747,676.33	12,920,055.70			0.00		12,920,055.70	
248	1	2030	3,747,676.33	78,952.19	15,615.32	63,336.87	3,684,339.46	12,920,055.70			0.00		12,920,055.70	
249	2	2030	3,684,339.46	78,952.19	15,351.41	63,600.78	3,620,738.69	12,920,055.70			0.00		12,920,055.70	
250	3	2030	3,620,738.69	78,952.19	15,086.41	63,865.78	3,556,872.91	12,920,055.70			0.00		12,920,055.70	
251	4	2030	3,556,872.91	78,952.19	14,820.30	64,131.89	3,492,741.02	12,920,055.70			0.00		12,920,055.70	
252	5	2030	3,492,741.02	78,952.19	14,553.09	64,399.10	3,428,341.92	12,920,055.70			0.00		12,920,055.70	
253	6	2030	3,428,341.92	78,952.19	14,284.76	64,667.43	3,363,674.49	12,920,055.70			0.00		12,920,055.70	
254	7	2030	3,363,674.49	78,952.19	14,015.31	64,936.88	3,298,737.61	12,920,055.70			0.00		12,920,055.70	
255	8	2030	3,298,737.61	78,952.19	13,744.74	65,207.45	3,233,530.17	12,920,055.70			0.00		12,920,055.70	
256	9	2030	3,233,530.17	78,952.19	13,473.04	65,479.15	3,168,051.02	12,920,055.70			0.00		12,920,055.70	
257	10	2030	3,168,051.02	78,952.19	13,200.21	65,751.98	3,102,299.04	12,920,055.70			0.00		12,920,055.70	
258	11	2030	3,102,299.04	78,952.19	12,926.25	66,025.94	3,036,273.10	12,920,055.70			0.00		12,920,055.70	
259	12	2030	3,036,273.10	78,952.19	12,651.14	66,301.05	2,969,972.05	12,920,055.70			0.00		12,920,055.70	
260	1	2031	2,969,972.05	78,952.19	12,374.88	66,577.31	2,903,394.74	12,920,055.70			0.00		12,920,055.70	
261	2	2031	2,903,394.74	78,952.19	12,097.48	66,854.71	2,836,540.04	12,920,055.70			0.00		12,920,055.70	
262	3	2031	2,836,540.04	78,952.19	11,818.92	67,133.27	2,769,406.77	12,920,055.70			0.00		12,920,055.70	
263	4	2031	2,769,406.77	78,952.19	11,539.19	67,413.00	2,701,993.77	12,920,055.70			0.00		12,920,055.70	
264	5	2031	2,701,993.77	78,952.19	11,258.31	67,693.88	2,634,299.89	12,920,055.70			0.00		12,920,055.70	
265	6	2031	2,634,299.89	78,952.19	10,976.25	67,975.94	2,566,323.95	12,920,055.70			0.00		12,920,055.70	
266	7	2031	2,566,323.95	78,952.19	10,693.02	68,259.17	2,498,064.78	12,920,055.70			0.00		12,920,055.70	
267	8	2031	2,498,064.78	78,952.19	10,408.60	68,543.59	2,429,521.20	12,920,055.70			0.00		12,920,055.70	
268	9	2031	2,429,521.20	78,952.19	10,123.00	68,829.19	2,360,692.01	12,920,055.70			0.00		12,920,055.70	
269	10	2031	2,360,692.01	78,952.19	9,836.22	69,115.97	2,291,576.04	12,920,055.70			0.00		12,920,055.70	
270	11	2031	2,291,576.04	78,952.19	9,548.23	69,403.96	2,222,172.08	12,920,055.70			0.00		12,920,055.70	
271	12	2031	2,222,172.08	78,952.19	9,259.05	69,693.14	2,152,478.94	12,920,055.70			0.00		12,920,055.70	
272	1	2032	2,152,478.94	78,952.19	8,968.66	69,983.53	2,082,495.41	12,920,055.70			0.00		12,920,055.70	
273	2	2032	2,082,495.41	78,952.19	8,677.06	70,275.13	2,012,220.29	12,920,055.70			0.00		12,920,055.70	
274	3	2032	2,012,220.29	78,952.19	8,384.25	70,567.94	1,941,652.35	12,920,055.70			0.00		12,920,055.70	
275	4	2032	1,941,652.35	78,952.19	8,090.22	70,861.97	1,870,790.38	12,920,055.70			0.00		12,920,055.70	
276	5	2032	1,870,790.38	78,952.19	7,794.96	71,157.23	1,799,633.15	12,920,055.70			0.00		12,920,055.70	

Pymt	Month	Year	Burien Infrastr Scheduled BOP Principal Balance	Scheduled Total Payment	Scheduled Calculated Interest	Scheduled Calculated Principal	Scheduled EOP Principal Balance	Actual BOP Principal Balance	Actual Interest Calculated	Actual Interest Applied	Actual Principal Applied	Actual Payment Received	Actual EOP Principal Balance	Increase to Principal
277	6	2032	1,799,633.15	78,952.19	7,498.47	71,453.72	1,728,179.43	12,920,055.70			0.00		12,920,055.70	
278	7	2032	1,728,179.43	78,952.19	7,200.75	71,751.44	1,656,427.99	12,920,055.70			0.00		12,920,055.70	
279	8	2032	1,656,427.99	78,952.19	6,901.78	72,050.41	1,584,377.59	12,920,055.70			0.00		12,920,055.70	
280	9	2032	1,584,377.59	78,952.19	6,601.57	72,350.62	1,512,026.97	12,920,055.70			0.00		12,920,055.70	
281	10	2032	1,512,026.97	78,952.19	6,300.11	72,652.08	1,439,374.89	12,920,055.70			0.00		12,920,055.70	
282	11	2032	1,439,374.89	78,952.19	5,997.40	72,954.79	1,366,420.10	12,920,055.70			0.00		12,920,055.70	
283	12	2032	1,366,420.10	78,952.19	5,693.42	73,258.77	1,293,161.33	12,920,055.70			0.00		12,920,055.70	
284	1	2033	1,293,161.33	78,952.19	5,388.17	73,564.02	1,219,597.32	12,920,055.70			0.00		12,920,055.70	
285	2	2033	1,219,597.32	78,952.19	5,081.66	73,870.53	1,145,726.79	12,920,055.70			0.00		12,920,055.70	
286	3	2033	1,145,726.79	78,952.19	4,773.86	74,178.33	1,071,548.46	12,920,055.70			0.00		12,920,055.70	
287	4	2033	1,071,548.46	78,952.19	4,464.79	74,487.40	997,061.06	12,920,055.70			0.00		12,920,055.70	
288	5	2033	997,061.06	78,952.19	4,154.42	74,797.77	922,263.29	12,920,055.70			0.00		12,920,055.70	
289	6	2033	922,263.29	78,952.19	3,842.76	75,109.43	847,153.86	12,920,055.70			0.00		12,920,055.70	
290	7	2033	847,153.86	78,952.19	3,529.81	75,422.38	771,731.49	12,920,055.70			0.00		12,920,055.70	
291	8	2033	771,731.49	78,952.19	3,215.55	75,736.64	695,994.85	12,920,055.70			0.00		12,920,055.70	
292	9	2033	695,994.85	78,952.19	2,899.98	76,052.21	619,942.64	12,920,055.70			0.00		12,920,055.70	
293	10	2033	619,942.64	78,952.19	2,583.09	76,369.10	543,573.54	12,920,055.70			0.00		12,920,055.70	
294	11	2033	543,573.54	78,952.19	2,264.89	76,687.30	466,886.24	12,920,055.70			0.00		12,920,055.70	
295	12	2033	466,886.24	78,952.19	1,945.36	77,006.83	389,879.41	12,920,055.70			0.00		12,920,055.70	
296	1	2034	389,879.41	78,952.19	1,624.50	77,327.69	312,551.73	12,920,055.70			0.00		12,920,055.70	
297	2	2034	312,551.73	78,952.19	1,302.30	77,649.89	234,901.84	12,920,055.70			0.00		12,920,055.70	
298	3	2034	234,901.84	78,952.19	978.76	77,973.43	156,928.41	12,920,055.70			0.00		12,920,055.70	
299	4	2034	156,928.41	78,952.19	653.87	78,298.32	78,630.09	12,920,055.70			0.00		12,920,055.70	
300	5	2034	78,630.09	78,952.19	327.63	78,624.56	5.53	12,920,055.70			0.00	0.00	12,920,055.70	
Total				23,431,961.14	10,003,194.44	13,428,766.70				1,873,957.31	516,667.80	2,390,625.31		

2009 Principal	1,451,023.88
2008 Principal	11,795,065.00
2010 Principal	182,693.35
Tot YTD Prin	13,428,772.23
ImmatDiff	(5.53)

	Total Int	Actual Int Applied	Principal Applied	Payment Amount
5/12 Billing	53,248.54	53,248.54	42,287.45	95,535.99
YTD 2012 Billing	267,555.37	267,555.37	168,229.87	435,785.24
2011 Billing	648,103.40	648,103.40	161,293.45	809,396.85
YTD 12/2011 Billing	1,614,353.21	1,606,401.94	348,437.93	1,954,839.87
			(7,951.28) (c)	
		Net Principal Applied	340,486.65	

Notes:

(a) 2009 additional capital costs, city taxes and state taxes were added to the loan principal balance on the loan schedule at December 2009.

(b) This adjustment reduced the Burien balance outstanding. In retrospect, this adjustment was an error and should not have been made. However, SCL will not re-adjust the current schedule.

(c) Reductions to the loan balance outstanding normally occur after the interest amount is deducted from the total payment and the remaining payment amount is applied to the balance outstanding. For the months of June and July 2009, the payments received were insufficient to cover the interest owed. The principal amount outstanding was increased and was allocated to cover the interest due ($42,314.44). This principal was reduced in December 2009 (see note b) by $34,392.86; net increase to principal was $7,951.28 for 2009.

(d) The scheduled principal payments were adjusted to factor in capital costs of $1,451,023.88. The loan schedule for the $1.5M was calculated at 23 years to ensure the total loan is paid off in 25 years, the original loan amount maturity period. The "actual payments" schedule calculation of principal and interest is not affected by the change from $68,952.72 to $77,809.85 shown in the "scheduled payments" loan payoff schedule.

(e) Loan Balance outstanding at May 31, 2012.

(f) The scheduled principal payment were adjusted to factor in capital costs of $182,693.35. The loan schedule for the $182,693.35 was calculated at 22 years to ensure the total loan is paid off in 25 years, the original loan amount maturity period.

Burien

Washington, USA

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July 31, 2012

Dean Kattler
Area Vice President
Waste Management – Pacific Northwest Area
720 4th Avenue
Kirkland, WA 98033

Mary S. Evans
Area Director, Public Sector Services
Waste Management – Pacific Northwest Area
710 4th Avenue Suite 400
Kirkland, WA 98033

Dear Mr. Kattler and Ms. Evans:

The City of Burien has followed with increasing concern the lack of progress your company and its bargaining units have made in resolving the current labor impasse. Burien has no direct voice in your negotiations, but our residents have a great deal at stake. We urge Waste Management to return to the negotiating table immediately and resolve these issues before the service disruption that has already commenced escalates from inconvenience into a threat to public health and safety.

I need to be clear that the City of Burien expects Waste Management to perform its contract or be subject to the liquidated damages clause set forth in Section 4 of the contract. As you know, the liquidated damages are significant. Let me also be clear in stating that we are not interested in exercising that clause; our interest is in having Waste Management resolve its labor dispute quickly and fairly, and in a fashion that will serve the expectations of our residents, your rate payers.

Obviously we do not have knowledge regarding the nature of the dispute among the parties. But Burien is a blue-collar city that believes all workers have a right to a fair wage and safe working conditions. At its July 23 meeting, the Burien City Council adopted the following statement of concern regarding the current labor dispute:

The City of Burien places a high value on protecting the environment and actively encourages its citizens to reduce materials entering the waste stream by participating in recycling programs.

Presently Sanitation workers are paid a significantly higher wage than recycling workers. This does not reflect the City of Burien's stated commitment to the environment, sustainability and support of family wage jobs.

Therefore the City of Burien believes that those individuals who are engaged in waste recycling should be compensated at comparable levels as those who are employed as sanitation workers and encourages its vendor to act accordingly.

Burien has had excellent working relations with Waste Management since our contract with your company began in June, 2004. We trust you will use your best efforts to resolve the current labor dispute, and avoid having what is currently an inconvenience turn into something much worse. As I said, we do not wish to exercise the liquidated damages clause in our contract to hasten an end to the current impasse, but we will not hesitate to do so if necessary.

Sincerely,

Mike Martin
City Manager

Cc: Burien City Council

Burien
Washington, USA

City of Burien
400 SW 152nd St., Suite 300, Burien, WA 98166-1911
Phone: (206) 241-4647 • Fax: (206) 248-5539
www.burienwa.gov

MEMORANDUM

TO: Honorable Mayor and Members of the City Council
FROM: Nhan Nguyen VIA Mike Martin, City Manager
DATE: August 6, 2012
SUBJECT: Burien Animal Control Services and CARES

This memorandum responds to questions from councilmembers regarding Community Animal Resource and Education Society (CARES).

1. Animal control service is discretionary. There is no Washington State statute that requires cities to provide animal control services or that mandates a particular level of service.
2. Councilmember Krakowiak asked for a CARES' profit and loss statement. The City cannot require any contractor to provide it with financial statements. Nevertheless, CARES did so voluntarily (attached).
3. Councilmember Edgar asked whether the City's contract with CARES could be reduced by the amount of revenue taken in from other sources. The answer is "no." Revenue generated by the contractor may not be used to offset City payments.
4. Councilmember Block suggested promoting and selling pet licenses at private businesses. Staff has contacted various businesses to begin a pilot program to determine whether this is viable. Businesses that have shown an interest are: A Place for Pets (downtown Burien), QFC (Normandy Park) and White Center Auto Licensing Agency (White Center). Once under contract, the business will display promotional materials and have customers fill out a mailer-application. Each business will be compensated by the City for their service. Since this is a pilot program, the agreement can be modified or terminated at anytime. A draft agreement template is attached.
5. Mayor Bennett suggested the City hire a commission to conduct a performance audit of CARES. Staff is in the process of developing a scope of work for that audit. It will be drafted by Denise McVicker, Deputy Executive Director for the Human Society for Tacoma and Pierce County. Ms. McVicker has more than three decades of experience in animal control services.

6. There have been conversations in the community about our contract with CARES, which recently passed its one-year mark. Staff invited Debra George, CARES Executive Director, to present an update at the June 28 Council meeting. At that meeting, staff also provided some comparative data involving the Regional Animal Services of King County (RASKC). That information is attached for review.

   In summary:

   a) RASKC recently gave the City of Burien an estimate of $341,000 per year to run the animal control program in 2013-2015. The City's current contract for 2011-2014 with CARES is $120,000 per year. With CARES, the City keeps the licensing revenue estimated at $70,000 per year. With a RASKC contract, the County would keep all licensing revenue.
   b) In 2011, RASKC responded to 4,800 calls in 25 cities. CARES responded to 2,800 calls in Burien alone.
   c) RASKC has a 14.3% euthanasia rate. CARES has a euthanasia rate of 10%.
   d) CARES provides a dedicated animal control officer for the City of Burien. The RASKC proposal would provide two animal control officers who would serve Burien and six other cities. The cities are: Enumclaw, Black Diamond, Tukwila, Kent, Covington, and Maple Valley. In addition, the same officers would also serve Vashon Island and White Center.

CARES
Income & Expense Report
January through June 2012

	Jan - Jun 12
Ordinary Income/Expense	
Income	
City Contract	60,000.00
Contributions / Donations	
Processing Fee	1,246.00
Adoption Fees	9,740.00
General Donations	2,605.00
Owner Surrender Fees	1,005.00
Other Fees	0.00
Total Contributions / Donations	14,596.00
Total Income	74,596.00
Cost of Goods Sold	
Pet Supplies & Services	
Kenneling Charges	4,655.00
Veterinary Services	14,744.64
Total Pet Supplies & Services	19,399.64
Total COGS	19,399.64
Gross Profit	55,196.36
Expense	
Finance Charges	673.82
1099 Contracted Services	708.00
B & O Taxes	1,080.00
Bank & CrCard Fees	232.26
Facilities and Equipment	
Building Permits/Fees	1,120.60
Utilities	2,495.63
Bldg Improvements/Maint	14,102.08
Rent	10,500.00
Total Facilities and Equipment	28,218.31
Insurance	
Commericial / D & O	3,369.30
Vehicle Insurance	875.44
Total Insurance	4,244.74
Licenses & Fees	1,263.35
Membership Dues & Subscriptions	25.00
Office Supplies	65.69
Payroll Expenses	
Gross Wages	32,589.24
Payroll Tax Expenses	4,543.03
Total Payroll Expenses	37,132.27
Telephone, Telecommunications	1,677.29
Vehicle Repairs/Maintenance/Gas	1,792.79
Total Expense	77,113.52
Net Ordinary Income	-21,917.16

CARES
Income & Expense Report
January through June 2012

	Jan - Jun 12
Other Income/Expense	
Other Income	
City Fines & Fees Billed	1,104.51
Total Other Income	1,104.51
Other Expense	
Voided Checks	0.00
Total Other Expense	0.00
Net Other Income	1,104.51
Net Income	**-20,812.65**

PET LICENSE SALES AGREEMENT

Thank you for your partnership with the City of Burien to sell pet licenses. This is to confirm the arrangements for your participation in the program, as follows:

The City of Burien and A Place for Pets (431 SW 152nd Street, Burien, WA 98166; Phone # _____) hereby enter into this agreement for the purpose of the promotion of City of Burien pet licenses to pet owners residing in the City of Burien service area. A Place for Pets will be given rebates for mailed-in payments for all newly issued unaltered, altered, senior, service licenses as further described in this agreement. The terms and conditions regarding the distribution and rebate process for pet license applications shall be as follows:

1. License Applications
    a. City of Burien will provide A Place for Pets with a supply of special mailer-pet license applications.
    b. A Place for Pets will prominently display the applications and actively promote pet licensing, including dissemination of the benefits of pet licensing as well as the legal requirement that each dog and cat in the City of Burien service area be licensed.

2. Rebate
    a. City of Burien will remit a rebate to A Place for Pets at least quarterly for each pet license mailer application that is returned to City of Burien for reach new pet license issued by mail. For purposes of this agreement, a pet license is considered new if the pet has not been licensed by City of Burien within the previous 13 months.
    b. No rebate will be issued for any mailer-application that does not include the name of A Place for Pets on top.
    c. The rebate schedule for A Place for Pets is $2.00 for each new application.

3. Terms of Agreement

This agreement is part of a pilot program to enhance licensing throughout the City of Burien. This agreement may be terminated upon written notice by either party. All mailer-pet applications returned and processed by City of Burien within 30 days from the date of the termination notice shall be processed for the A Place for Pets rebate. Mailer-applications received 30 days past the termination date will not be rebated.

A Place for Pets	City of Burien
_____	_____
Printed Name	Printed Name

_____	_____
Signature	Signature
_____	_____
Title	Title
_____	_____
Date	Date

C.A.R.E.S. Update
Burien City Council
June 18, 2012

Animal Control

	Calls	Euthanasia Rate	Animals taken in	Animals adopted out/Transferred to Adoption Partner	Population served
Regional Animal Services of King County, 25 Cities under contract (2011)	4,800	14.3% (756 animals)	5,290	3,336	1,041,395
Burien C.A.R.E.S. (June 2011-May 2012)	2,800	10% (47 animals)	474	142	48,500

Animal Control (continued)

Estimated Cost for 2013	Contract Cost	Licensing Revenues	City General Fund Cost
Regional Animal Services of King County	$411,725	$70,000	$341,725
Burien C.A.R.E.S.	$120,000	$70,000	$50,000

C.A.R.E.S. Update
Burien City Council
October 3, 2011

Animal Control

Calls for service (3 month period)

King County	Jun - Aug 2009	110
BACC	July - Sept 2010	434
CARES	June - Aug 2011	591

Potential King County vs Contracting Costs to Residents

	Licensing Revenues	General Fund	Fines	Total Costs to Residents
King County 2011	$63,000	$184,767	$0	$247,767
King County 2012	$63,000	$196,542	$0	$259,542
Burien 2011 (projected)	$63,000	$52,350	$4,650	$120,000

Burien
Washington, USA

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July 27, 2012

Washington State Dept. of Commerce
Growth Management Services – Grants Team
1011 Plum Street
PO Box 42525
Olympia, WA 98504-2525

RE: City of Burien Application for GMA Competitive Planning Grant

To Whom It May Concern:

The City of Burien is home to 7,476 multi-family units. Many of these units are older, located along priority transit corridors and are ready for re-development to contemporary transit-supportive densities and designs.

Two significant components of the proposed project are to quantify redevelopment gaps and available land along transit priority corridors. Transit priority corridors were identified in the City's recently completed Transportation Management Plan (TMP). The term "redevelopment gap" refers to the cost barriers associated with redevelopment when there are structures present on a redevelopment site. The proposed analysis will determine if this barrier or "gap" can be minimized or reduced to a level that will allow redevelopment to occur at planned land use densities. A range of development incentives will be explored in an effort to significantly reduce the redevelopment gap. If the analysis of the redevelopment gap supports it, a pilot program would be created to offer redevelopment incentives that would aid in solving the known need for housing in the region over the next planning horizon. The program would in-turn encourage the utilization of underutilized land within the urban growth boundary and along transit priority corridors, thereby incentivizing the location of housing near transit services.

If you have any further questions, please contact Scott Greenberg, Burien Community Development Director at (206) 248-5519 or scottg@burienwa.gov.

Sincerely,

Brian Bennett

Brian Bennett
Mayor

SEPA Determination of Nonsignificance (DNS) WAC 197-11-970

City of Burien **400 SW 152nd St, Suite 300** **Burien, Washington 98166**

Date	July 17, 2012
Applicant	City of Burien
Proposal	Adoption of Drainage Master Plan
Availability	The draft Drainage Master Plan is available for viewing at Burien City Hall during regular business hours.
Location	Applies city-wide
Lead Agency	City of Burien
Environmental Determination	The lead agency for this proposal has determined that the proposal does not have a probable significant adverse impact on the environment. An environmental impact statement (EIS) is not required under RCW 43.21C.030(2)(c). This decision was made after a review of a completed environmental checklist and other information on file with the lead agency. This Determination of Nonsignificance is specifically conditioned on compliance with the applicable regulations set forth in the Burien Municipal Code. All information relating to this proposal is available to the public upon request.
Public Comment and Appeal Process	The lead agency will not act on this proposal for 14 days from the date above. Written comments must be submitted by July 31, 2012. Questions regarding the DNS or proposal above may be directed to Maiya Andrews, Public Works Director at 206-248-5521 or maiyaa@burienwa.gov.
SEPA Responsible Official	Scott Greenberg, AICP Community Development Director City of Burien 400 SW 152nd St., Suite 300 Burien, WA 98166 Signature: _____
Published in the Seattle Times	Date of Notice: July 20, 2012

cc:

Burien City Council
Burien Staff
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Highline Times
King County/Burien Public Library
Web site: www.burienwa.gov
White Center Now

Notice of Application

City of Burien **400 SW 152nd Street (Suite 300)** **Burien, Washington 98166**

Date	August 1, 2012
Applicant	Chamkaur Gill
Proposal	Short Plat One Residential Lot Into Two Residential Lots.
File No.	PLA 12-1226 File is available for viewing at Burien City Hall during regular business hours.
Location	29 SW 140th Street, Burien, Washington
Tax Parcel No.	433060-0090
Current Zoning	RS-7,200 Single-Family Residential Zone
Application Submitted/Complete	Submitted: June 21, 2012 Complete: July 18, 2012
Other Permits Needed	Building Permit and Right-of-Way Permit
Other Studies Needed	None
Existing Environmental Info.	None
Review Process and Public Comment	The decision on this application will be made by the Community Development Director. Prior to the decision, there is an opportunity for the public to submit written comments. **Written comments must be received prior to 5:00 p.m. on August 31, 2012** Send written comments to the project planner (see below). Please indicate your name and address and refer to the file indicated above. Only people who submitted comments as indicated above may appeal the decision on this application.
Project Planner (for written comments and more information)	Charles W. "Chip" Davis, AICP Department of Community Development City of Burien 400 SW 152nd Street (Suite 300) Burien, WA 98166 Phone: (206) 248-5501 E-Mail: chipd@burienwa.gov
Published in the Seattle Times	Date of Notice: August 1, 2012

cc:

Burien City Council
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Seahurst Post Office
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