

CITY OF PULLMAN

Public Works and Planning Departments

325 S.E. Paradise Street, Pullman, WA 99163
(509) 338-3220 or (509) 338-3213 Fax (509) 338-3282
www.pullman-wa.gov

March 30, 2012

Department of Ecology
Water Quality Program
Municipal Stormwater Permits
P.O. Box 47696
Olympia, WA 98504-7696

To Whom It May Concern:

Please find enclosed two hard copies of the City of Pullman's Annual Report for 2011. An electronic copy was submitted via email to PH2_EAnnRpt@ecy.wa.gov and also to Permit Manager, Dave Duncan. Submission of the enclosed documents satisfies Pullman's annual reporting requirement under the NPDES Phase II Municipal Stormwater Permit for Eastern Washington.

Please feel free to contact me with any questions or comments.

Sincerely,

A handwritten signature in black ink, appearing to read "Rob Buchert", written over a horizontal line.

Rob Buchert
Stormwater Services Program Manager
City of Pullman
325 SE Paradise Street
Pullman, WA 99163-2631
(509) 338-3314
rob.buchert@pullman-wa.gov

I. Permittee Information

Permittee Name City of Pullman	Permittee Coverage Number WAR04-6504
Contact Name Rob Buchert	Phone Number 509-338-3314
Mailing Address 325 SE Paradise Street	
City Pullman	State Zip + 4 WA 99163-2631
Email Address rob.buchert@pullman-wa.gov	

II. Regulated Small MS4 Location

	Entity Type: <i>Put an X in the box that applies</i>						
Jurisdiction City of Pullman	<table border="1"><thead><tr><th>County</th><th>City/Town</th><th>Other</th></tr></thead><tbody><tr><td></td><td>X</td><td></td></tr></tbody></table>	County	City/Town	Other		X	
County	City/Town	Other					
	X						
Major Receiving Water(s) South Fork Palouse River							

III. Relying on another Governmental Entity

If you are relying on another governmental entity to satisfy one or more of the permit obligations, list the entity and briefly describe the permit obligation(s) they are implementing on your behalf below. *Attach a copy of your agreement with the other entity to provide additional detail (unless previously submitted).*

Name of Entity: Washington State University (Attachment 1 - Interagency Agreement)	Permit Obligation(s): S5.B4 Construction S5.B5 Post-Construction
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IV. Certification

All annual reports must be signed and certified by the responsible official(s) of permittee or co-permittees. Please print and sign this page of the reporting form and mail it (with an original signature) to Ecology at the address noted below. An electronic signature will not suffice.

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that Qualified Personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for willful violations.

Name <u>Mark D. Workman</u>	Title <u>Public Works Director</u>	Date <u>3/28/12</u>
Name _____	Title _____	Date _____
Name _____	Title _____	Date _____
Name _____	Title _____	Date _____
Name _____	Title _____	Date _____

VI. Status Report Covering Calendar Year 2011

Jurisdiction: City of Pullman

PLEASE label information in any attachments with corresponding question numbers.
 PLEASE fill out your jurisdiction name in line 1 above.
 PLEASE refer to the INSTRUCTIONS tab for assistance filling out this table.
 For additional clarification on how to answer questions, put cursor over cell with red flagged corners.
 PLEASE review your work for completeness and accuracy. Save this worksheet as you go!

Question	Y/N/NA	Comments (50 word limit)	Name of Attachment & Page Number, if applicable
1	Y	Attached annual written update of Permittee's Stormwater Management Program (SWMP), including applicable requirements under S5.A.3 and S9.	Updated Draft SWMP (Attachment 2)
2	Y	Attached a copy of any annexations, incorporations or boundary changes resulting in an increase or decrease in the Permittee's geographic area of permit coverage during the reporting period, and implications for the SWMP as per S9.E.3.	City of Pullman, Ordinances #11-5 (original) & #12-5 (amendment), legal description and map included (Attachment 3)
3	Y	Tracked or estimated the cost of development and implementation of the SWMP. (S5.A.4.a.ii)	
4	Y	Developed and fully implemented a public education and outreach strategy designed to reach all of the identified target audiences. (S5.B.1.b)	
4a	Y	Attached a description of the number and type of public education and involvement activities (S5.B.1.b)	(Attachment 4)

Question	Y/N/NA	Comments (50 word limit)	Name of Attachment & Page Number, if applicable
5	Y	Implementing a program or policy with opportunities for the public to participate in the decision making processes involving the development, implementation, and updates of the SWMP. (S5.B.2.a and S9.E.2.c)	The two primary SWMP implementation activities that occurred in 2011 and involved decision making were adoption of the stormwater budget and adoption of the construction/post-construction ordinance. The public was provided with opportunities to participate in these decisions via the city's public process related to ordinance and budget adoption.
6	Y	Made the most current version of the SWMP available to the public. If posted on website, list address in <i>Comments</i> field. (S5.B.2.b)	SWMP updated on 3/30/12. SWMP, Implementation Plan, Financial Plan and 2012 budget are all available on the city's website at www.pullman-wa.gov .
7	Y	Completed at least two-thirds of the map of your MS4. (S5.B.3.a)	
7a	Y	Attached a summary of the status of the mapping and updated storm drainage infrastructure information; do not include the map. (S5.B.3.a)	Estimate 95% of MS4 mapped in AutoCAD. Also completed GPS inventory of all known catch basins and manholes in 2010. Acquired updated aerial photos and ArcGIS. Will continue with GPS inventory of remaining facilities.
8	Y	Developed and fully implemented an ongoing program to detect and address non-stormwater discharges to the MS4, including spills and illicit connections. (S5.B.3.c.i through iv)	
9	Y	Field assessed at least three high priority water bodies to verify outfall locations and detect illicit discharges. (S5.B.3.c.ii)	City staff assess all four waterbodies in Pullman annually at a minimum, including Paradise Creek, Dry Fork Creek, Missouri Flat Creek and the South Fork Palouse River.
9a	N/A	Attached a summary of outfalls and illicit discharges discovered, and actions taken to eliminate the illicit discharges. (S5.B.3.c.ii)	No new outfalls or illicit discharges have been discovered as a result to date.

Question	Y/N/NA	Comments (50 word limit)	Name of Attachment & Page Number, if applicable
10 Distributed appropriate information to target audiences to inform public employees, businesses, and the general public of hazards associated with illicit discharges. (S5.B.3.d.i)	Y		
11a Publicized a hotline or other local telephone number for public reporting of illicit discharges, including spills. (S5.B.3.d.ii)	Y		
11b Attached summary of hotline reports received and follow-up actions taken during the reporting period (S5.B.3.d.ii)	N/A	No IDDE calls received from the public in 2011.	
12 Provided adequate training to all staff responsible for identification, investigation, termination, cleanup, and reporting of illicit discharges and illicit connections. (S5.B.3.f)	Y		
13 Provided training to all municipal field staff that as part of their normal job responsibilities might come into contact with or otherwise observe an illicit discharge or illicit connection to the MS4, including office personnel who might receive reports of illicit discharges. (S5.B.3.g)	Y		
14 Adopted and implemented procedures for IDDE program evaluation and assessment. (S5.B.3.e)	Y		
14a Attached summary of numbers and types of illicit discharges identified; inspections made; and any feedback received from public education efforts. (S5.B.3.e)	Y	7/15/11 - Illicit connection found. Investigation ensued & source confirmed. Use of connection discontinued until fixed. No public feedback.	
15 Adopted and implemented procedures for construction site plan review. (S5.B.4.b)	Y		

Question	Y/N/NA	Comments (50 word limit)	Name of Attachment & Page Number, if applicable
16 Reviewed <i>Stormwater Site Plans</i> including construction SWPPPs for new development and redevelopment projects.	Y		
16a Number of site plans reviewed during the reporting period:	Y	10 (9 City, 1 WSU)	
16b Number of SWPPPs reviewed during the reporting period:	Y	10 (9 City, 1 WSU)	
16c Number of site plans approved during the reporting period:	Y	9 (8 City, 1 WSU)	
17 Adopted and implemented procedures for site inspection and enforcement of construction stormwater pollution control measures. (S5.B.4.c)	Y		
18 Provided adequate training for all staff involved in permitting, plan review, field inspection and enforcement for construction site runoff control. (S5.B.4.b.i and S5.B.4.c.ii)	Y		
19 Inspected construction-phase stormwater controls at new development and redevelopment projects. (S5.B.4.c.iii)	Y		
19a Number of sites inspected during the reporting period:	Y	5 (4 City, 1 WSU)	
19b Number of enforcement actions taken during the reporting period:	N/A	0	
20 Provided information to construction site operators about training available on how to comply with requirements in Appendix I and the BMPs in the <i>Stormwater Management Manual for Eastern Washington</i> , or an equivalent document. (S5.B.4.d and S5.B.5.e)	Y		

Question	Y/N/NA	Comments (50 word limit)	Name of Attachment & Page Number, if applicable
21 Adopted and implemented procedures for post-construction site plan review. (S5.B.5.b)	Y		
22 Adopted and implemented procedures for post-construction site inspection and enforcement of post-construction stormwater control measures. (S5.B.5.c)	Y		
23 Inspected post-construction stormwater controls, including structural BMPs, at new development and redevelopment projects. (S5.B.5.c)	Y		
23a Number of sites inspected during the reporting period:	Y	5 (4 City, 1 WSU)	
23b Number of structural BMPs inspected at new development and redevelopment sites during the reporting period:	Y	5 (4 City, 1 WSU)	
23c Number of enforcement actions taken during the reporting period:	N/A	0	
24 Inspected structural BMPs at least once during installation. (S5.B.5.c.ii)	Y		
24a Number of structural BMPs inspected during installation during the reporting period:	Y	5 (4 City, 1 WSU)	
25 Provided adequate training for all staff involved in permitting, planning, review, inspection and enforcement for post-construction stormwater control. (S5.B.5.d)	Y		
26 Developed and fully implemented the Operation and Maintenance plan for municipal operations. (S5.B.6.a)	Y		

Question	Y/N/NA	Comments (50 word limit)	Name of Attachment & Page Number, if applicable
27 Inspected stormwater treatment and flow control facilities owned or operated by the Permittee at least once. (S5.B.6.a.i)	Y		
27a Number of known facilities:	Y	38 (37 detention ponds, 1 Vortech vault)	
27b Number of facilities inspected during the reporting period:	Y	38 (37 detention ponds, 1 Vortech vault)	
28 Have NPDES permit coverage for stormwater discharges for all applicable construction projects and industrial facilities. (S5.B.6.a.i)	Y		
29 Conducted spot checks of stormwater facilities after major storms. (S5.B.6.a.ii)	Y		
30 Provided adequate training for staff with primary construction, operations, or maintenance job functions that are likely to impact stormwater quality. (S5.B.6.b)	Y		
31 Attached information identifying the BMP(s) selected for runoff treatment BMP effectiveness, and describes that status of identification of sites, if applicable. (S8.C.2.b)	Y		(Attachment 4)
32 Notified Ecology of the failure to comply with the permit terms and conditions within 30 days of becoming aware of the non-compliance. (G20)	N/A		
33 Notified Ecology immediately in cases where the Permittee becomes aware of a discharge into or from the Permittee's MS4 which could constitute a threat to human health, welfare, or the environment? (G3)	N/A		

Question	Y/N/NA	Comments (50 word limit)	Name of Attachment & Page Number, if applicable
34 Took appropriate action to correct or minimize discharges into or from the MS4 which could constitute a threat to human health, welfare, or the environment. (G3.A)	N/A		
35 Attached a summary of the status of implementation of any actions taken pursuant to S4.F and the results of monitoring, assessment, and evaluation efforts conducted during the reporting period. (S4.F.3.d)]	N/A		

REMINDER: Save your work as you go. Did you answer each question, provide necessary background information in the *Comments* field, and attach and/or note the filename and page number of all required documentation in the *Attachment* field? Proceed to the **Info Collection (Monitoring)** tab next.

Information Collection, S8.B.1 Description of Monitoring Studies

If applicable, you are required to provide information to fulfill permit requirement S8.B.1 in each annual report. You must describe any stormwater monitoring or studies conducted by you during the reporting period. If stormwater monitoring was conducted on your behalf, or if studies or investigations conducted by other entities were reported to you, you must briefly describe the type of information gathered or received during the reporting period.

Please note in row #1 of the table below if you have no information to report.

NOTE: Please limit your entries to 255 characters per cell. You may include additional information in your Supplemental Documentation attachment and reference it below with the page number.

Information Collection

	Briefly describe any stormwater monitoring, studies, or type of information collected and analyzed during the reporting period. (S8.B.1)	Who/how to contact for additional information?
1.	Stadium Way Fecal Coliform Bacteria Pilot Study - TMDL Implementation	Rob Buchert - rob.buchert@pullman-wa.gov
2.		
3.		
4.		
5.		
6.		

VII. Information Collection, BMP Evaluation, and Monitoring

Complete Part B for all annual reports.

B. SWMP Evaluation

You are required to assess the appropriateness of the BMPs you have selected to implement your SWMP. This evaluation is necessary to evaluate whether the MEP standard set by the permit is protective of water quality in your receiving water bodies. This assessment may be entirely qualitative. Answer **NA** if you are not yet implementing BMPs for a component of the SWMP. (S8.B.2 and S9)

Question	Y/N/NA	Comments (50 word limit)
1. Are the BMPs selected and implemented for Public Outreach appropriate to minimize pollutants in the MS4 to the MEP?	Y	Assessing the appropriateness of BMPs that have only recently been implemented is arguably premature. However, we believe that Pullman is on the right track and given time will discover that the BMPs being employed are having a positive impact on water quality in our receiving water bodies.
2. Are the BMPs selected and implemented for Public Involvement appropriate to minimize pollutants in the MS4 to the MEP?	Y	(see #1 above)
3. Are the BMPs selected and implemented for Illicit Discharge Detection and Elimination appropriate to minimize pollutants in the MS4 to the MEP?	Y	(see #1 above)
4. Are the BMPs selected and implemented for Construction Stormwater Pollution Prevention appropriate to minimize pollutants in the MS4 to the MEP?	Y	(see #1 above)
5. Are the BMPs selected and implemented for Post-Construction Runoff Management appropriate to minimize pollutants in the MS4 to the MEP?	Y	(see #1 above)

<p>Are the BMPs selected and implemented for Good Housekeeping for Municipal Operations appropriate to minimize pollutants in the MS4 to the MEP?</p>	<p>Y</p>	<p>(see #1 above)</p>
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REMINDER: Answer each question Y/N/NA and provide necessary background information in the *Comments* field. Proceed to the next tab.

VII. Information Collection, BMP Evaluation, and Monitoring

Complete Part C for all annual reports.

C. Changes in BMPs or objectives (S8.B)

If any of the BMPs or objectives is being changed, list the old BMP and objective, the new BMP and objective, and a justification for the change below. (S8.B.2., and S9)

NOTE: You may choose to attach additional documentation justifying Changes in BMPs or objectives. Note such attachments in the *Justification for change* field.

	Old BMP	Old Objective	New BMP	New Objective	Justification for Change
1	N/A				
2					
3					
4					
5					
6					
7					

REMINDER: Provide necessary background information. This is the final tab of the Annual Report worksheet. Please review the entire worksheet for completeness and accuracy and save this document. Email this Annual Report file PLUS any identified attachments to: **PH2_EAnnRpt@ecy.wa.gov** no later than March 31, 2012. Mail two hard copies of the entire

ATTACHMENT 1

**City of Pullman – Washington State University
NPDES Phase II Municipal Stormwater Permit
Construction & Post-Construction
Interagency Agreement**

Effective 08/10/11

**INTERAGENCY AGREEMENT
BETWEEN
WASHINGTON STATE UNIVERSITY
AND
THE CITY OF PULLMAN, WASHINGTON**

THIS INTERAGENCY AGREEMENT (the "Agreement") is by and between Washington State University, an institution of higher education and agency of the state of Washington (hereafter referred to as "WSU"), and the City of Pullman (hereafter referred to as "Pullman"), a municipal corporation of the State of Washington.

IT IS THE PURPOSE OF THIS AGREEMENT to memorialize the terms and conditions under which Pullman will rely upon WSU to satisfy all of Pullman's NPDES Phase II Municipal Stormwater Permit (the "Phase II Permit"), construction (S5.B.4.) and post-construction (S5.B.5.) requirements for development occurring on the WSU campus. Formation of this Agreement is allowed by Section S3.B. of the Phase II Permit and authorized in Pullman City Code ("PCC") - Chapter 10.32, Construction and Post-Construction Stormwater Control Regulations. Unless terminated by either WSU or Pullman ("Parties"), this Agreement shall remain effective and incorporate future amendments to the Phase II Permit or PCC.

NOW, THEREFORE, the Parties agree as follows:

I. SCOPE OF AGREEMENT

Each party shall do all things necessary for and incidental to the performance of the duties set forth below.

A. WSU Shall:

1. Use the definitions found in PCC 10.32.020 when referring to and implementing this Agreement.
2. Per PCC 10.32.040 – Ensure that soil erosion, sedimentation, increased pollutant loads and changed water flow characteristics resulting from land disturbing activity, new development and redevelopment that occurs on the WSU campus are controlled so as to prevent or minimize pollution of receiving waters.
3. Per PCC 10.32.080 – Ensure that the manuals and documents referenced in this Section are used as guidance for selecting and designing Best Management Practices ("BMPs") and stormwater drainage facilities.
4. Per PCC 10.32.080(2) - Use the City of Pullman Design Standards, at a minimum, when developing Erosion and Sediment Control ("ESC") plans and determining minimum design standards for storms and permanent

stormwater collection, conveyance, flow control and treatment facilities, and BMPs.

5. Per PCC 10.32.090 (2) – Require development of ESC plans for Medium Projects of at least 5,000 ft² but less than one acre.
6. Per PCC 10.32.090 (3)(a) – Require that Large Projects of one acre or more include the applicable minimum technical requirements of the seven core elements found in this Section and Appendix 1 of the Phase II Permit, as amended, including development of a Stormwater Site Plan (“SSP”).
7. Per PCC 10.32.090 (3)(b)&(c) – Require development of a SWPPP and SWPPP Map for Large Projects.
8. Per PCC 10.32.090 (4) – Require ESC plans or SWPPPs on projects of any size, or prohibit discharges from construction activity altogether, if WSU deems that site conditions warrant additional protection, especially in the case of TMDL compliance.
9. Per PCC 10.32.100 – Review and approve all ESC plans and SWPPPs for completeness and compliance with the conditions in PCC 10.32.090.
10. Per PCC 10.32.110 – During construction, conduct periodic inspections of the temporary and permanent stormwater BMPs shown on the approved ESC plans and SWPPPs, document any variations or discrepancies and document the corrective actions required to resolve such instances.
11. Per PCC 10.32.120 (1) – Ensure that all post-construction stormwater drainage facilities are constructed and stabilized according to approved plans.
12. Per PCC 10.32.120 (2)(a)&(c) – Perform maintenance, operation and repair on all post-construction stormwater drainage facilities and BMPs in compliance with the requirements of PCC 10.32 and Chapters 5 and 6 of the Stormwater Management Manual for Eastern Washington (2004), as amended, at a minimum.
13. Per PCC 10.32.120 (2)(b) – Inspect post-construction stormwater BMPs annually to ensure that minimum maintenance standards are being met.
14. Per S5.B.5.c.iii. of the Phase II Permit – Inspect post-construction structural stormwater BMPs every five (5) years to ensure that adequate maintenance is being performed as necessary to prevent adverse water quality impacts.
15. Per PCC 10.32.130 – Be responsible for the repair, restoration and perpetual maintenance of WSU owned stormwater drainage facilities on campus.

16. Per S5.B.4.a.iii. & iv. of the Phase II Permit – Implement escalating enforcement procedures and actions as part of a strategy to address non-compliance.
17. Per S5.B.4. & 5. of the Phase II Permit – Ensure that qualified personnel are granted access to inspect construction-phase and post-construction phase stormwater BMPs.
18. Per S5.B.4. & 5. of the Phase II Permit – Provide adequate training for all staff involved in construction and post-construction plan review, inspection and enforcement, and keep records including dates, activities or course descriptions, and names and positions of staff in attendance.
19. Per S5.B.4. & 5. of the Phase II Permit – Provide information to construction site operators and design professionals about training available on how to comply with the requirements of Appendix 1 of the Phase II Permit and apply the BMPs described in the Stormwater Management Manual for Eastern Washington (2004), as amended.
20. Maintain records and documentation concerning the following activities for a minimum of five (5) years and make the information available to Pullman upon request:
 - i. ESCs, SSPs & SWPPPs
 - ii. construction site inspections
 - iii. construction site corrective actions and enforcement
 - iv. maintenance performed on post-construction stormwater drainage facilities and BMPs
 - v. staff training records (CESCL certifications at a minimum)
 - vi. training information provided to construction site operators and design professionals, including dates of any mailings and lists of recipients.
21. Maintain approved site plans and O&M plans beyond five (5) years, as needed, to comply with on-going post-construction inspection requirements of PCC 10.32 and the Phase II Permit.
22. Submit a previous calendar year annual report to Pullman no later than February 28th of every year this Agreement is effective with the following information:
 - i. For pre-construction phase site plan review of development projects:
 - 1) List of Medium and Large Projects reviewed.
 - 2) Number of ESC Plans reviewed and approved.
 - 3) Number of SSPs and SWPPPs reviewed and approved.
 - ii. For construction-phase stormwater controls (BMPs) at development projects:
 - 1) List of Medium and Large Project sites inspected.
 - 2) Number of inspections performed per site.
 - 3) Number of enforcement actions taken per site.

- iii. For post-construction stormwater controls:
 - 1) List of sites inspected.
 - 2) Number of inspections per site.
 - 3) Number of enforcement actions taken per site.

B. Pullman Shall:

- 1. Coordinate with WSU on all matters related to successful implementation of this Agreement.
- 2. Not charge WSU any application or permit fees related to PCC 10.32.
- 3. Immediately contact WSU Environmental Health and Safety upon learning of any suspected or reported violations of PCC 10.32 occurring on the WSU campus and shall give WSU a period not to exceed 14 days to address violations before initiating a Pullman response or Pullman enforcement action.

C. Both Parties Shall:

Act in good faith to cooperatively achieve compliance with PCC 10.32 and the Phase II Permit, understanding that the State of Washington's stormwater permit requirements are complex and subject to change on a regular basis.

II. DURATION

Subject to its other provisions, this Agreement shall become effective upon the date of last signature and remain effective until terminated as provided for herein.

III. RECORDS MAINTENANCE

The Parties to this Agreement shall each maintain books, records, documents and other evidence which sufficiently and properly reflect all performance of the activities described herein. These records shall be subject to inspection, review or audit by personnel of both Parties, other personnel duly authorized by either party, the Office of the State Auditor, the Washington State Department of Ecology and federal officials so authorized by law. All books, records, documents, and other material relevant to this Agreement shall be retained for a minimum of five (5) years after termination of this Agreement, and the Washington State Department of Ecology, the Office of the State Auditor, federal auditors, and any persons duly authorized by the Parties shall have full access and the right to examine any of these materials during this period.

Records and other documents, in any medium, furnished by one party to this Agreement to the other party, shall remain the property of the furnishing party, unless otherwise agreed. To the extent permitted by applicable law, the receiving party shall not disclose or make available this material to any third parties without first giving notice to the furnishing party. To the extent permitted by applicable law, each party shall utilize

reasonable security procedures and protections to assure that records and documents provided by the other party are not erroneously disclosed to third parties.

IV. INDEPENDENT CAPACITY

The employees or agents of each party who are engaged in the performance of this Agreement shall continue to be employees or agents of that party and shall not be considered for any purpose to be employees or agents of the other party. Each Party shall be responsible for its own actions in the event of any claims, demands, suits, penalties and liability of any kind, including injuries to persons or damages to property, which arise out of this Agreement or a Party's performance of its obligations under this Agreement.

V. MODIFICATION

This Agreement may be modified or amended by mutual agreement of the Parties. Such amendments shall not be binding unless they are in writing and signed by personnel authorized to bind each of the Parties.

VI. TERMINATION

Either party may terminate this Agreement with not less than ninety (90) days prior written notification to the other party. Upon termination of the Agreement, Pullman shall be responsible for fully implementing and enforcing the provisions of Chapter 10.32 on the WSU campus.

VII. GOVERNANCE

This Agreement is entered into pursuant to and under the authority granted by the laws of the state of Washington and any applicable federal laws. The provisions of this Agreement shall be construed to conform to those laws.

VIII. ASSIGNMENT

The work to be provided under this Agreement is not assignable or delegable by either party in whole or in part, without the express prior written consent of the other party, which consent shall not be unreasonably withheld.

IX. WAIVER

A failure by either party to exercise its rights under this Agreement shall not preclude that party from subsequent exercise of such rights and shall not constitute a waiver of any other rights under this Agreement unless stated to be such in a writing signed by an authorized representative of the party and attached to the original Agreement.

X. SEVERABILITY

If any provision of this Agreement or any provision of any document incorporated by reference shall be held invalid, such invalidity shall not affect the other provisions of this Agreement which can be given effect without the invalid provision, if such remainder conforms to the requirements of applicable law and the fundamental purpose of this Agreement, and to this end the provisions of this Agreement are declared to be severable.

XI. ENTIRE AGREEMENT

This Agreement contains all the terms and conditions agreed upon by the Parties. No other understandings, oral or otherwise, regarding the subject matter of this Agreement shall be deemed to exist or to bind any of the Parties hereto.

XII. CONTRACT ADMINISTRATION

A designated contract administrator for each of the Parties shall administer this Agreement and be responsible for and shall be the contact person for all communications regarding the performance of this Agreement.

The Contract Administrator for WSU is:

Name: Gene Patterson (and successor(s))

Position: Public Health / Air & Water Quality Manager

College or Department: Environmental Health & Safety

Address: P.O. Box 641172

Pullman, WA 99164-1172

Telephone: 509-335-3041

Fax Number: 509-335-4442

The Contract Administrator for Pullman is:

Name: Mark Workman (and successor(s))

Position: Public Works Director

Address: 325 SE Paradise Street

Telephone: 509-338-3213

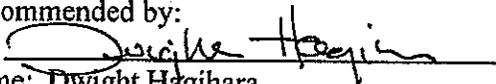
Fax Number: 509-338-3282

XIV. SIGNATURES

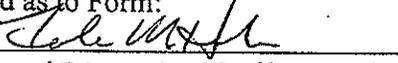
The Parties affirm they have designated the persons below to have signature authority for the Parties. By their signatures on this Agreement, the Parties agree to all of its terms and conditions.

WASHINGTON STATE UNIVERSITY
("WSU")

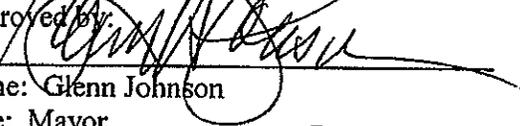
Recommended by:

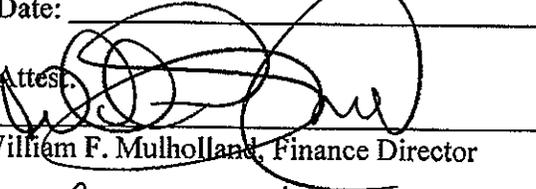
By: 
Name: Dwight Hagihara
Title: Director, Environmental Health & Safety
Date: 8-10-11

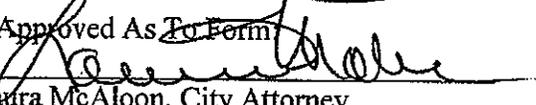
Approved by:
By: 
Name: Robert D. Patterson
Title: V.P. Business & Finance
Date: 8-10-2011

Approved as to Form:
By: 
Name: FRANK M. HRUBAN
Title: _____
Assistant Attorney General
Date: 8-10-2011

THE CITY OF PULLMAN
("Pullman")

Approved by:
By: 
Name: Glenn Johnson
Title: Mayor
Date: _____

Attest:

William F. Mulholland, Finance Director

Approved As To Form

Laura McAloon, City Attorney

Buchert, Rob

From: Buchert, Rob
Sent: Tuesday, August 09, 2011 2:03 PM
To: 'Patterson, Gene'
Cc: Hagihara, Dwight; Workman, Mark; Gardes, Kevin
Subject: RE: Agreement Records Retention Issue

Gene,

What you have described below is how our attorney interpreted the agreement to begin with and the pretense under which it was signed. The original inter-local agreement will be retained by the City Clerk's office for the requisite 6 years after the agreement expires or is terminated. Therefore, the City of Pullman agrees.

Rob Buchert
Stormwater Services Program Manager
City of Pullman
509-338-3314
rob.buchert@pullman-wa.gov

From: Patterson, Gene [<mailto:gpatters@wsu.edu>]
Sent: Tuesday, August 09, 2011 9:20 AM
To: Buchert, Rob
Cc: Hagihara, Dwight
Subject: FW: Agreement Records Retention Issue

Rob Buchert – Pullman Stormwater Program Manager

Per our phone conversation, our Attorney General's office has brought to our attention that we need to more clearly specify the record retention requirements for our stormwater interagency agreement regarding construction and post construction.

As you know the Municipal Stormwater Permit requires that records be retained for at least 5 years, which is what our agreement states. However RCW 40.14.010 and RCW 40.14.060 (see the following links) require a 6 year retention schedule for interagency agreements for both local and state government agencies.

- [Local Agency General Retention Schedule](#) (see page 20)
- [State Agency General Retention Schedule](#) (see page 39)

WSU proposes that rather than rewording the agreement and having to obtain signatures again, that your affirmative reply to this email will confirm the City of Pullman agreeing to a 5-year record retention period described in the agreement applies to the stormwater permit related data and records, and that the records related to the agreement and the agreement itself will be retained for six years in accordance with the state General Retention Schedules. A copy of your confirming email would also be attached to the signed agreements.

Please consult with Pullman Officials and Staff and let us know if this is acceptable.

Thank you.

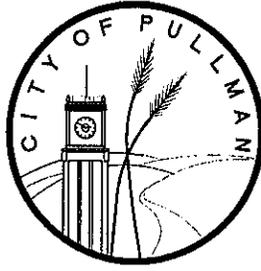
Gene Patterson
Public Health/Air and Water Quality Manager
Environmental Health and Safety
Washington State University
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Pullman, WA 99164-1172
509-335-5510, 509-335-3041
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ATTACHMENT 2

**City of Pullman
DRAFT Stormwater Management Plan**

Last Updated 03/26/12

Related to Question #1 in Annual Report (Section VI)



**DRAFT
Stormwater Management Program
(SWMP)**

Last Updated: March 30, 2012



Prepared By:

**Public Works Department
Stormwater Services Program**

Background

In 1987, Congress amended the federal Clean Water Act to include stormwater discharges in the National Pollutant Discharge Elimination System (NPDES) permit program. The Environmental Protection Agency (EPA) developed rules to implement the new stormwater requirements in two phases called Phase I and Phase II. The Washington State Department of Ecology (Ecology) implements these stormwater rules through municipal stormwater permits. The Phase I permit, which went into effect in 1990, covers large jurisdictions such as cities and counties serving more than 100,000 people. In 1999, EPA issued the Phase II stormwater permit regulations to cover stormwater discharges in urbanized areas that serve smaller populations (Ecology, 2006).

There are two separate Phase II municipal stormwater permits in the State of Washington, one for western Washington and one for eastern Washington. Ecology issued the NPDES Eastern Washington Phase II Municipal Stormwater Permit (Permit) in January 2007. The city of Pullman (City) was granted coverage under the Permit soon after. Nineteen other cities and parts of eight counties were also covered under the Permit. The Permit became effective February 16, 2007 and was later modified on June 17, 2009, which is the version the City is currently operating under.

The Permit is on a five year cycle with coverage originally extending until February 15, 2012. The effective date of the current Permit was extended until June 2012. The first Permit was designed to give jurisdictions an opportunity to develop their stormwater management programs and prepare for the next permit cycle which will likely require additional actions and an increased level of management and oversight. The City has spent the past five years developing its stormwater management program in accordance with the requirements of the Permit, including adoption of new ordinances, changing policies and procedures and purchasing new equipment.

The current Permit, as well as information related to issuance of the next Permit, can be viewed in its entirety on Ecology's website below.

<http://www.ecy.wa.gov/programs/wq/stormwater/municipal/phaseiiEwa/ewph2permit.html>

Hatley Creek Storm Drainage Basin Study

In 2000, responding to citizen concerns and recognizing that stormwater runoff was a growing problem, the City hired consulting firm Gray & Osborne to conduct a study of the Hatley Creek drainage basin. Hatley basin is located in the southwest quadrant of town and drains approximately 760 acres (both city & county) which are experiencing increased development. The purpose of the study was to recommend a level of stormwater quantity control that seeks to decrease the existing peak rate of stormwater runoff in the basin, as well as provide water quality benefits. As a result of the study, the City requires enhanced stormwater detention design standards for all new and re-development within the Hatley basin (Gray & Osborne, 2000).

The Water Quality Problem

Pullman's network of storm drains is classified as a municipal separate storm sewer system (MS4). The storm drain system is separate from and therefore does not convey stormwater to the City's wastewater treatment plant. Stormwater runoff has been identified by Ecology as "the number one water pollution problem in the urban areas of our state" (Ecology, 2007). Pollutants commonly found in stormwater include fertilizers, pesticides, vehicle fluids, trash, sediment and pet waste. Stormwater can also contribute to problems associated with flooding.

Most storm drains within Pullman empty directly into the South Fork Palouse River (SFPR) or one of its main tributaries that flow through town. According to Ecology, the SFPR is on the State's list of impaired water bodies for not meeting water quality criteria for temperature, dissolved oxygen, pH and fecal coliform bacteria. Ecology is currently in the process of developing Water Clean-up Plans or Total Maximum Daily Loads (TMDLs) for each of these parameters within the SFPR watershed. Water quality sampling related to the TMDLs has shown that Pullman's stormwater quality is similar to other urban areas across the nation, indicating a need for enhanced stormwater management.

Stormwater Management Program (SWMP)

The city of Pullman has been managing its stormwater for a long time. However, to be more effective and successfully meet permit compliance requirements, enhanced coordination between the various staff and departments that deal with stormwater issues needs to occur. The Permit requires the city of Pullman to develop and implement a comprehensive Stormwater Management Program (SWMP). An updated SWMP documenting the actions the City plans to implement to satisfy State requirements and protect water quality is required to be made available to Ecology by March 31st and to the public by May 31st of each year. The SWMP and other related documents are available on the City's Stormwater Services website.

Early in 2007, the City hired consulting firm Otak, Inc. to assist with development of Pullman's SWMP. Otak worked closely with City staff and in September 2007 produced the *Final Stormwater Program Implementation Plan (Attachment A)*. The Implementation Plan contains the following Sections:

- Background
- Stormwater Program Definition Process
- Regulatory Gap Analysis - Process & Results
- Detailed Annual Stormwater Program Implementation Matrices
- Resources Needed for Pullman's Updated Stormwater Program
 - Estimated Annual Program Revenue Needs & Sources
 - NPDES Equipment & Funding Needs
 - Capital Improvement Plan

As required by the Permit, the Implementation Plan addresses the following elements:

- Public Education and Outreach
- Public Involvement & Participation
- Illicit Discharge Detection & Elimination
- Construction Site Stormwater Runoff Control
- Post-Construction Stormwater Management for New Development and Redevelopment
- Pollution Prevention & Good Housekeeping for Municipal Operations
- Compliance with Total Maximum Daily Load (TMDL) Allocations
- Monitoring & Program Evaluation
- Reporting & Recordkeeping

In 2008 the City chose to create a new Stormwater Services Division within the Public Works Department and hired a program manager to coordinate all the activities identified in the Implementation Plan.

In January 2009, Otak, Inc. produced the *Stormwater Program Funding Alternatives and Financial Plan (FAFP)*. The FAFP includes the latest program and projected budget needs. The FAFP is attached to the Draft SWMP as **Addendum 1** and serves as an update to the Implementation Plan.

Among other things, the Permit required the City to adopt ordinances addressing illicit discharge detection and elimination (IDDE), construction runoff and post-construction stormwater management. The City adopted an IDDE ordinance in August 2009 which added a new Chapter 10.31 to Pullman City Code (PCC). The City also adopted a combined Construction and Post-Construction stormwater ordinance in January 2011 which added a new Chapter 10.32 to PCC.

A stormwater field technician/inspector was hired in January 2010 to implement and enforce the provisions in these program areas. Also, in accordance with the Implementation Plan, budget has been allocated to the Maintenance & Operations Division to ramp up maintenance activities related to the City's stormwater system. An operations and maintenance plan (O&M Plan) that prescribes regularly scheduled maintenance activities on the stormwater system has been developed. In 2011, the City purchased a jet-vactor truck and other specialized equipment to begin implementing the O&M Plan.

Stormwater Utility

Much like water supply and sanitary sewer systems, maintaining and replacing an aging storm drain infrastructure and providing other stormwater management services is very costly. In February 2009, the Pullman City Council created a storm drainage and surface water management utility to fund the stormwater program. The utility currently only charges fees for developed properties with impervious surfaces. In 2011, an

Advisory Committee was formed to provide the City Council with a recommendation on whether or not undeveloped properties should also be charged a stormwater utility fee. After a six month process, the Advisory Committee recommended to not charge undeveloped properties.

The codified stormwater utility ordinance is located in Chapter 10.30 of PCC and can be viewed on the City's website below.

<http://www.pullman-wa.gov/>

Recent Activities

2011 saw continued progress toward development of the City's SWMP and Permit compliance. Notable activities included:

General Program Administration

- Continued management of and compliance with the City's NPDES Phase II Municipal Stormwater Permit.
- Successfully completed and closed 3 Washington Department of Ecology grants totaling \$268,809. The grants were used for the Missouri Flat Creek Channel Improvements project and NPDES Phase II permit implementation including purchase of a new jet-vactor truck for performing maintenance on the City's storm drain system.
- Continued participation in the Eastern Washington NPDES Coordinators Forum, including collaborative review of a draft of the next Phase II Permit.
- Continued participation in the SFPR Fecal Coliform Bacteria TMDL process.

Public Education & Outreach

- Continued education and outreach efforts via website, news media, direct mailings and personal interaction with the public including a presentation at the Pullman Kiwanis.
- Partnered with the Palouse-Clearwater Environmental Institute (PCEI), Pullman School District and private schools to integrate stormwater related information into the 5th, 8th and 10th grade science curriculum.
- Sponsored several WSU graduate student interns including an MBA, 2 Engineering students and one Communications student. The Engineering students worked on updating our detention pond and outfall inventories. The MBA and Communications students worked primarily on the pet waste management program.

Public Involvement

- Partnered with the Palouse-Clearwater Environmental Institute (PCEI) to sponsor the 7th Annual Pullman Stream Clean-up event in April. 100 volunteers spent 300+ hours cleaning Pullman's streams by removing an estimated 12 yards of trash and recyclables.
- Launched Pullman Adopt-a-Stream Program.

Illicit Discharge Detection & Elimination (IDDE)

- Completed initial inventory of stormwater detention ponds.
- Identified and eliminated 8 private illicit sanitary connections to storm.
- Responded to and investigated stormwater/illicit discharge related complaints.
- Continued development of a pet waste management program, including applying for a grant to build and install 75 new pet waste stations in and along Pullman's parks and trails.
- Initiated the Stadium Way Fecal Coliform Bacteria pilot study to identify sources of fecal coliform bacteria within the drainage basin near the stormwater outfall to Missouri Flat Creek at Stadium Way and North Grand Avenue in Pullman.

Construction Site Runoff Control

- Reviewed 21 Site Plans of new construction (16 projects, some required re-submittal).
- Reviewed 25 Erosion and Sediment Control plans for projects of Tri-plex size or smaller (mostly single family residential homes).
- Conducted 113 documented construction related erosion control inspections.
- Facilitated adoption of the Construction/Post-Construction Stormwater Ordinance.
- Managed and ensured compliance with the City's NPDES Construction Stormwater Permit for the North Grand Avenue Widening project.
- Participated in collaborative development of the Eastern Washington Erosion & Sediment Control Field Guide.
- Developed an interagency agreement with Washington State University to satisfy the City's Construction (S5.B.4.) and Post-Construction (S5.B.5.) obligations under the Phase II Municipal Stormwater Permit.

Post-Construction Stormwater Management

- Continued coordination with Engineering Division staff to inventory all detention ponds and other public & private stormwater facilities.
- Facilitated adoption of the Construction/Post-Construction Stormwater Ordinance.

Pollution Prevention & Good Housekeeping – Municipal Operations

- Continued management of the City's NPDES Industrial Stormwater Permit for the Pullman Transit facility, including reporting, inspections, water sampling and staff training.
- Completed development of an Operations and Management (O&M) Plan for controlling pollution originating from all City facilities.

2012 promises to be even busier with the following activities already underway or planned:

Stadium Way Fecal Coliform Bacteria Study

The City will complete the pilot study begun in 2011 to identify sources of fecal coliform bacteria within the drainage basin near the stormwater outfall to Missouri Flat Creek at

Stadium Way and North Grand Avenue in Pullman. As part of the TMDL process, Ecology identified this outfall as needing a reduction in fecal coliform contribution. In addition to traditional grab sample methods, the pilot study is using multiple ultra-sensitive temperature probes deployed throughout the drainage basin to identify potential illicit connections. The drainage basin is shared by both the City and Washington State University (WSU).

Stormwater in the Classroom

The City will continue partnering with PCEI, the Pullman School District and private schools to challenge students with water quality and stormwater related exercises that compliment the science curriculum.

Construction

Stormwater Services will be hosting an Erosion and Sediment Control field workshop for local engineers, developers and construction contractors to view proper installation of best management practices (BMPs). The field workshop will run concurrently with the second day of a 2-day CESCL certification course also sponsored by the City.

Also, Stormwater Services will coordinate with the Engineering Division to update existing and/or add new Standard Drawings for erosion and sediment control BMPs.

Annual Pullman Stream Clean-up

The City will partner again with PCEI to sponsor the 8th Annual Stream Clean-up event on Saturday April 7th.

Pullman Adopt-a-Stream Program

The City will continue to partner with PCEI to implement a program modeled after the adopt-a-highway program, where community groups and/or businesses can "adopt" a segment of stream in town and then be responsible for keeping it clean. Highlights of the program include participation in the Annual Stream Clean-up in the spring and the Three Forks River Rendezvous in the fall. To date, 15 of the 20 identified segments of stream have been adopted.

Stadium Way Storm Line Repair

As part of its capital improvement program, the City plans to repair approximately 1,000 ft of aging and failing stormwater main on Stadium Way from Grand Avenue to "B" St.

Post-Construction Stormwater Management

The City plans to begin inspecting both public and private stormwater management facilities as part of the annual certification process prescribed in PCC 10.32.

Stormwater Utility Update

The original stormwater utility was established by measuring impervious surfaces using aerial photographs from April 2006. Using updated photographs from 2010, the City will review and if necessary amend existing customer accounts. New accounts will also be

added as needed. New GIS maps of the impervious surface within Pullman will be created as part of this process.

Contacts

Questions about Pullman's Stormwater Management Program can be directed to:

Rob Buchert
Stormwater Services Program Manager
City of Pullman
325 SE Paradise St.
Pullman, WA 99163
(509) 338-3314
rob.buchert@pullman-wa.gov

Questions about the Eastern Washington Phase II Municipal Stormwater Permit can be directed to:

David Duncan
Municipal Stormwater Permit Manager
WA Dept. of Ecology
4601 North Monroe Street
Spokane, WA 99205
(509) 329-3554
ddun461@ecy.wa.gov

References

Gray & Osborne, Inc. 2000. *Hatley Creek Storm Drainage Basin Study*.

Washington State Department of Ecology. 2006. *Frequently Asked Questions about Municipal Stormwater Permits*. Publication No. 06-10-005 (revised).

Washington State Department of Ecology. 2007. *Protecting Washington's Waters From Stormwater Pollution*. Publication No. 07-10-058.

ATTACHMENT A

***City of Pullman
Final Stormwater Program Implementation Plan
September 10, 2007
Otak, Inc.***

ADDENDUM 1

***City of Pullman
Final Stormwater Program
Funding Alternatives and Financial Plan
January 13, 2009
Otak, Inc.***

ATTACHMENT 3

Annexations:

**Mader Annexation
City of Pullman Ordinances #11-5 & #12-5
(Legal Description and Map Included)**

Related to Question #2 in Annual Report (Section VI)



ORDINANCE NO. 11-5

AN ORDINANCE ANNEXING TO THE CITY OF PULLMAN CERTAIN CONTIGUOUS REAL PROPERTY LOCATED ADJACENT TO THE NORTHWEST BOUNDARY OF THE CITY, BOUNDED ON THE EAST BY STATE ROUTE 27 AND ON THE WEST BY BRAYTON ROAD.

WHEREAS, a petition was filed with the finance director of the city of Pullman to annex the hereinafter described real estate, which petition was signed by the owners of a majority of the property for which annexation was petitioned and a majority of the registered voters residing within the proposed annexation area, and upon the filing of said petition, the City Council did fix the date and time of the hearing for Tuesday, March 1, 2011, at 7:30 p.m.; and,

WHEREAS, notice of said hearing having been given by posting and publication as required by law; and,

WHEREAS, the petitioners have petitioned Whitman County Public Hospital District No. 1-A for annexation of the real estate herein described to said Hospital District; and,

WHEREAS, there being no requirement of review by the Annexation Review Board; and,

WHEREAS, the City Council finding that the pre-zone designations for said property are R1 Single Family Residential, R2 Low Density Multi-Family Residential, I1 Light Industrial, and C3 General Commercial as provided for in Pullman City Ordinances Nos. 10-4 and 10-10; and,

WHEREAS, this being the date, place, and time for hearing on this proposed annexation; the City Council having considered all comments in opposition to and in support of the proposed annexation; and having approved and set forth its Findings of Fact and Conclusions, and having considered the proposed annexation itself, and believing said annexation to be in the best interests of the city of Pullman; now, therefore,

THE CITY COUNCIL OF THE CITY OF PULLMAN DOES ORDAIN AS FOLLOWS:

SECTION 1: That there is hereby annexed to the city of Pullman a parcel of land located adjacent to the northwest boundary of the city, bounded on the east by State Route 27 and on the west by Brayton Road, which is more particularly described in Exhibit "A", attached hereto and by this reference made a part hereof as though set forth in full herein, and shown on the map marked Exhibit "B", attached hereto and by this reference made a part hereof as though set forth in full herein.

SECTION 2: That the above-described area which is



annexed to the city of Pullman shall be required to assume its proportionate share of outstanding city indebtedness, to the extent permitted by law.

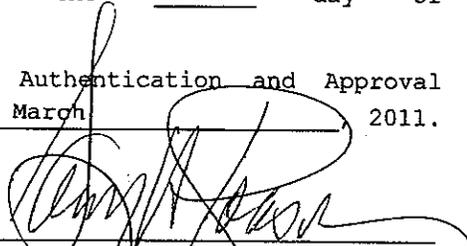
SECTION 3: That the above-described area shall be, from and after the date of its annexation to the city of Pullman, subject to the zoning code, together with any amendments thereto and all other ordinances of the city of Pullman relating to use, occupation, and enjoyment of land located within the city of Pullman.

SECTION 4: This ordinance shall be in full force and take effect five (5) days from and after its publication, or a summary thereof is published, in the Moscow-Pullman Daily News, the official newspaper of the city of Pullman.

PASSED by the City Council of the city of Pullman at a regular meeting held on the 1st day of March, 2011.

SIGNED by the Mayor in Authentication and Approval Thereof on the 2nd day of March, 2011.





Glenn A. Johnson
Mayor

ATTEST:



William F. Mulholland
Finance Director

Approved as to Form:



Laura McAloon
City Attorney

FILED
MAR 02 2011
CITY CLERK'S OFFICE
PULLMAN WASHINGTON



LEGAL DESCRIPTION
MADER ANNEXATION '2009'

A parcel of land situate within Section 25 T.15N., R.44E., W.M. and Sections 29 and 30 T15N, R45 E. W.M., located in the county of Whitman, State of Washington, said parcel being further described as follows:

Commencing at the south quarter corner of said Section 29 (N 88°02'56" E 2,664.01 feet from the southwest corner of said Section 29);

thence N 00°53'20" E 2,663.27 feet to a point on the easterly right-of-way (R.O.W.) boundary of Washington State Route 27(SR 27) and the POINT OF BEGINNING;

thence along the following 3 (three) courses on said easterly R.O.W. boundary:

- 1) N 06°05'05" E 800.26 feet,
- 2) S 83°54'55" E 25.00 feet,
- 3) N 06°05'05" E 370.00 feet to a point located on a line drawn at 90° to the centerline of said SR 27 at Station 116+00, according to the plans thereof on file with the Washington State Department of Highways;

thence N 83°54'55" W 175.00 feet to a point on the westerly R.O.W. boundary of said SR 27.

thence N 83°54'55" W 65.00 feet along said westerly R.O.W. boundary;

thence S 06°05'05" W 28.89 feet along said westerly R.O.W. boundary to a point on the northerly R.O.W. boundary of the Albion Road/Whitman County Road No. 5400;

thence S 89°38'54" W 117.38 feet along said northerly R.O.W. boundary to a point on the north-south subdivision line of said Section 29;

thence N 02°31'51" W 691.39 feet, leaving said northerly R.O.W. boundary and running along said north-south subdivision line;

thence S 87°28'08" W 505.15 feet, leaving said north-south subdivision line;

thence S 63°08'12" W 150.00 feet;

thence S 81°13'22" W 141.47 feet;

thence S 60°27'58" W 205.54 feet, more or less, returning to a point on the northerly boundary of said Albion Road/Whitman County Road No. 5400;

thence along the following 23 (twenty-three) courses along said northerly R.O.W. boundary:

- 1) 1,020.29 feet along a curve concave southerly (Central Angle = 06°46'42", Radius = 8,624.35 feet) with its Long Chord bearing S80°56'15"W 1,019.70 feet,
- 2) N 12°27'46" W 5.00 feet,



- 3) 50.21 feet along a curve concave southerly (Central Angle = $00^{\circ}20'00''$, Radius = 8,629.33 feet) with its Long Chord bearing S $77^{\circ}22'54''$ W 50.21 feet,
 - 4) N $12^{\circ}47'06''$ W 15.00 feet,
 - 5) 105.28 feet along a curve concave southerly (Central Angle = $00^{\circ}41'52''$, Radius = 8,644.33 feet) with its Long Chord bearing S $76^{\circ}51'58''$ W 105.28 feet,
 - 6) S $76^{\circ}30'39''$ W 95.33 feet,
 - 7) S $13^{\circ}28'59''$ E 10.00 feet,
 - 8) S $76^{\circ}31'01''$ E 50.00 feet,
 - 9) S $13^{\circ}28'59''$ E 10.00 feet,
 - 10) S $76^{\circ}31'01''$ W 205.29 feet,
 - 11) 188.59 feet along a curve concave northerly (Central Angle = $11^{\circ}40'56''$, Radius = 924.93 feet) with its Long Chord bearing S $82^{\circ}21'28''$ W 188.26 feet,
 - 12) N $01^{\circ}48'04''$ W 5.00 feet,
 - 13) 337.17 feet along a curve concave northerly (Central Angle = $20^{\circ}59'59''$, Radius = 919.93 feet) with its Long Chord bearing N $81^{\circ}18'05''$ W 335.28 feet,
 - 14) S $19^{\circ}11'55''$ W 5.00 feet,
 - 15) 260.56 feet along a curve concave northerly (Central Angle = $16^{\circ}08'27''$, Radius = 924.93 feet) with its Long Chord bearing N $62^{\circ}43'52''$ W 259.70 feet,
 - 16) N $54^{\circ}39'38''$ W 430.98 feet,
 - 17) N $35^{\circ}20'22''$ E 20.00 feet,
 - 18) N $54^{\circ}39'38''$ W 40.30 feet,
 - 19) 104.92 feet along a curve concave northerly (Central Angle = $05^{\circ}29'07''$, Radius = 1,095.91 feet) with its Long Chord bearing N $51^{\circ}55'04''$ W 104.88 feet,
 - 20) N $40^{\circ}49'30''$ E 10.00 feet,
 - 21) 426.43 feet along a curve concave to the northeast (Central Angle = $22^{\circ}30'00''$, Radius = 1,085.91 feet) with its Long Chord bearing N $37^{\circ}55'30''$ W 423.70 feet,
 - 22) S $63^{\circ}19'29''$ W 15.00 feet,
 - 23) N $26^{\circ}40'31''$ W 64.27 feet, more or less, to the north-south subdivision line of the northeast quarter of said Section 30;
- thence S $02^{\circ}33'48''$ E 576.60 feet along said north-south subdivision line;
- thence S $02^{\circ}33'48''$ E 1,323.98 feet along said north-south subdivision line to a point on the east-west subdivision line of said Section 30;
- thence S $87^{\circ}29'34''$ W 1,331.55 feet along said east-west subdivision line;
- thence S $87^{\circ}29'34''$ W 2,667.10 feet along said east-west subdivision line to the quarter corner common to said Sections 30 and 25;



thence S 88°02'49" W 2,604.51 feet, to a point on the easterly R.O.W. boundary of Brayton Road/Whitman County Road No. 8510 (said point lying N87°29'34"E 30.00 feet from the center of said Section 25);

thence the following 9 (nine) courses along said easterly R.O.W. boundary:

- 1) S 03°08'31" E 725.90 feet to a Point of Curvature (P.C.),
- 2) 217.81 feet along a curve concave easterly (Central Angle = 33°43'44", Radius = 370.00 feet) with its Long Chord bearing S 20°00'24" E 214.68 feet to a Point of Tangency (P.T.),
- 3) S 36°52'15" E 1267.75 feet to a P.C.,
- 4) 227.27 feet along a curve concave to the northeast (Central Angle = 13°25'28", Radius = 970.00 feet) with its Long Chord bearing S43°34'59"E 226.75 feet to a P.T.,
- 5) S 50°17'43" E 612.68 feet to a P.C.,
- 6) 226.83 feet along a curve concave northerly (Central Angle = 40°36'50", Radius = 320.00 feet) with its Long Chord bearing S70°36'08"E 222.11 feet to a P.T.,
- 7) N 89°05'28" E 975.90 feet to a P.C.,
- 8) 43.67 feet along a curve concave southerly (Central Angle = 13°31'30", Radius = 185.00 feet) with its Long Chord bearing S 84°08'47" E 43.57 feet to a point on the easterly boundary of said Section 25 (N02°45'09"W 11.84 feet from the southeast corner of said Section 25) and being a point on the southerly R.O.W. boundary of SR 276,
- 9) 97.28 feet along a curve concave southerly (Central Angle = 30°07'38", Radius = 185.00 feet) with its Long Chord bearing S 62°19'14" E 96.16 feet, said curve also running along said southerly R.O.W. boundary;

thence leaving the easterly R.O.W. boundary of said County Road and running the following 6 (six) courses along said southerly R.O.W. boundary:

- 1) N 54°31'54" E 241.81 feet,
- 2) 521.67 feet along a curve concave northerly (Central Angle = 09°32'57", Radius = 3,130.00 feet) with its Long Chord bearing N87°25'13"E 521.06 feet,
- 3) ...S 82°20'29" E 109.04 feet,
- 4) 263.34 feet along a curve concave to the northerly (Central Angle = 04°46'29", Radius = 3,160.00 feet) with its Long Chord bearing N78°20'54"E 263.26 feet,
- 5) S 74°58'02" E 60.83 feet,
- 6) N 64°18'42" E 266.95 feet, partially along said existing city limit line;

Thence continuing along the following 12 (twelve) courses on said southerly R.O.W. boundary and said existing city limit line:



- 1) N 68°31'30" E 954.51 feet,
- 2) N 84°29'20" E 103.08 feet,
- 3) N 68°31'30" E 536.10 feet,
- 4) 846.48 feet along a curve concave southerly (Central Angle = 07°59'01", Radius = 6,075.00 feet) with its Long Chord bearing N72°31'00"E 848.80 feet,
- 5) S 83°10'33" E 358.57 feet,
- 6) 48.06 feet along a curve concave southerly (Central Angle = 00°27'43", Radius = 5,960.00 feet) with its Long Chord bearing N79°58'26"E 48.06 feet,
- 7) N 48°49'34" E 113.73 feet,
- 8) 145.65 feet along a curve concave southerly (Central Angle = 01°23'10", Radius = 6,020.00 feet) with its Long Chord bearing N81°49'20"E 145.65 feet,
- 9) N 67°10'18" E 207.29 feet,
- 10) N 82°33'30" E 250.00 feet,
- 11) S 83°24'20" E 206.16 feet,
- 12) N 82°33'30" E 247.31 feet, more or less, to a point on the common boundary between said Sections 29 and 30, and the southwest corner of a city of Pullman annexation, according to Ordinance No. 06-06, records of said city;

thence N 02°31'43" W 1,582.70 feet along said common boundary/city limit line to the quarter corner common to said Sections 30 and 29;

thence N 87°42'14" E 2,822.66 feet along the east-west subdivision line of said Section 29 and said city limit line to the POINT OF BEGINNING, the area of said-described parcel of land being 505.7 acres;

EXCEPTING THEREFROM the following-described parcel located in Whitman County, State of Washington, to wit:

That portion of the north half of the northeast quarter of Section 30, T.15N., R.45E., W.M., being described as follows:

COMMENCING at a point on the south line of the northwest quarter of the northeast quarter of said Section 30 and running thence along said south line to a point that is located 212 feet west of the southeast corner of said northwest quarter of the northeast quarter;

thence east along said south line 212 feet to said southeast corner of said northwest quarter of the northeast quarter;

thence turning an angle of 64°13' to the left and running northeasterly 180 feet;

thence turning an angle of 68° to the left and running northwesterly 80 feet;



thence turning an angle of 91°30' to the left and running southwesterly 323 feet, more or less, to the POINT OF BEGINNING,
the area of said-described parcel of land being 0.75 acres, more or less;

TOGETHER WITH A parcel of land situate in the west half of the northeast quarter of Section 29, T.15N., R45 E., W.M., said parcel situate within the county of Whitman, State of Washington, said parcel being more particularly described as follows:

COMMENCING at the north quarter corner of said Section 29 (N 88°00'57" E from the northwest corner of said Section);

thence S 02°31'51" E 1,019.90 feet along the subdivision line of said Section 29 to the POINT OF BEGINNING,

thence S 82°31'51" E 423.18 feet to a point on the easterly R.O.W. boundary of said SR 27;

thence S 06°05'05" W 394.08 feet along said easterly R.O.W. boundary;

thence N 83°54'55" W 240.00 feet to a point on the westerly R.O.W. boundary of said SR 27;

thence S 06°05'05" W 28.89 feet along said westerly R.O.W. boundary to a point on the northerly R.O.W. boundary of Albion Road (Whitman County Road No. 5400);

thence S 89°38'54" W 117.38 feet along said northerly R.O.W. boundary to its intersection with the subdivision line of said Section 29;

thence N 02°31'51" W 444.23 feet along said section subdivision line to the POINT OF BEGINNING,

the area of said-described parcel being 3.7 acres, and being the same parcel of property:

- 1) as described in a Deed filed under Whitman County Auditor's File No. 454021
- 2) along with the R.O.W. of said SR 27 and Albion Road which lies adjacent to the parcel described in said Deed 454021,

The total combined area of the herein-described parcel of land is 508.65 acres, more or less.

Approved for Form:

Mark D. Workman, P.E.

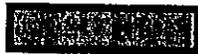
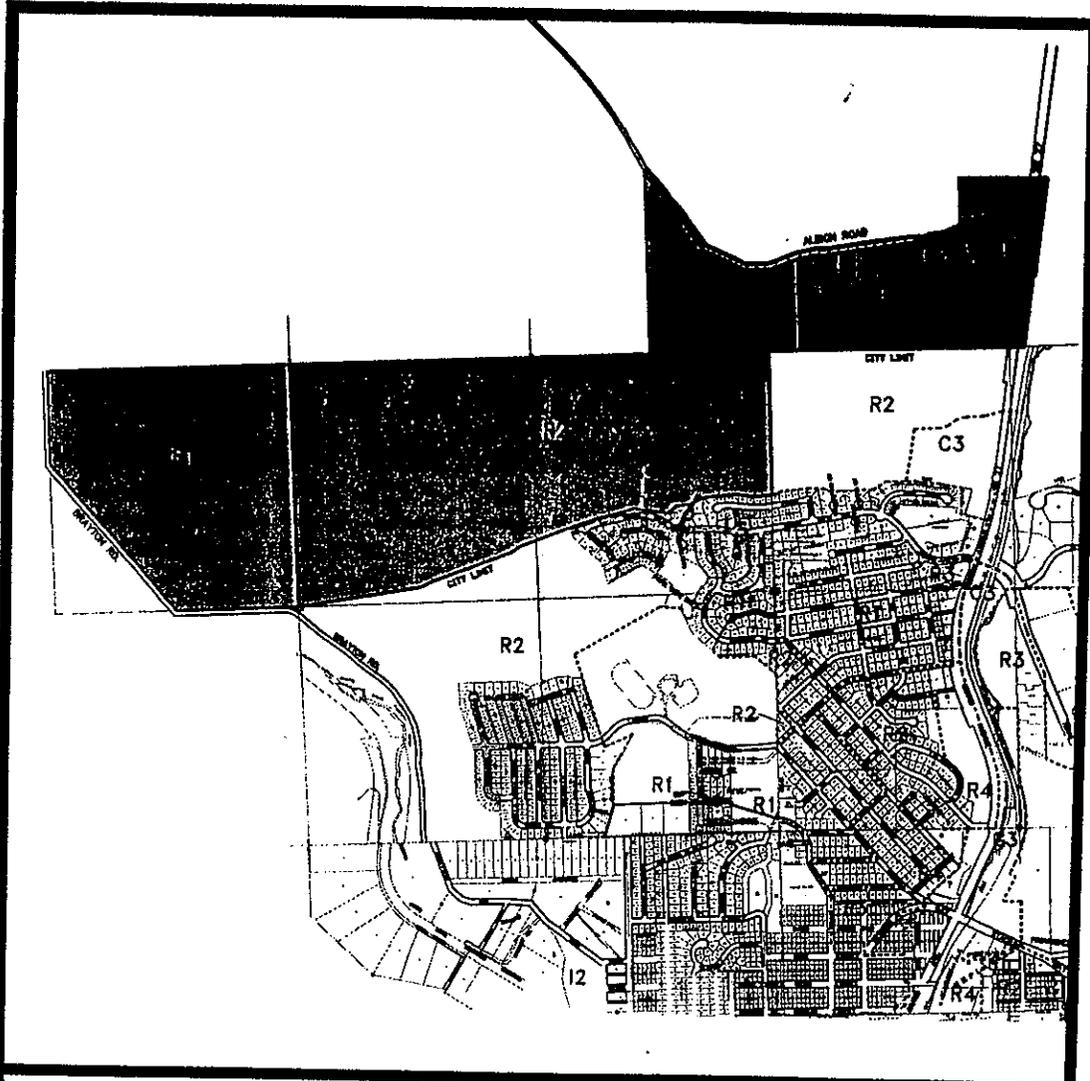
Director of Public Works

11/7/10

Date

703723

Ordinance Rec Fee: \$ 70.00
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Eunice L. Coker, Whitman County Auditor



SUBJECT PROPERTY



CITY LIMITS



ZONING DISTRICT BOUNDARY

D:\Engr & CAD\PLANNER\Zoning\Legal & Dwg Workups\Mader 2009-2010\Mader North.dwg



LOCATION AND ZONING MAP
EXHIBIT "B"

Mader North
Annexation

ORDINANCE NO. 12-5

AN ORDINANCE AMENDING ORDINANCE NO. 11-5 TO CORRECT THE LEGAL DESCRIPTION AND MAP ATTACHED AS EXHIBITS RELATING TO THE ANNEXATION OF REAL PROPERTY BY THE CITY OF PULLMAN AND OTHER MATTERS RELATED THERETO.

WHEREAS, City of Pullman Ordinance No. 11-5 was passed by the Pullman City Council on March 1, 2011, annexing certain contiguous real property located adjacent to the northwest boundary of the city, bounded on the east by State Route 27 and on the west by Brayton Road; and

WHEREAS, it was subsequently discovered that there was an error in the legal description and the map describing the property annexed; and

WHEREAS, the City Council for the city of Pullman finds that it is in the best interest of the city of Pullman to amend Ordinance No. 11-5 to correct the legal description attached as Exhibit "A" and the map of the annexed property attached as Exhibit "B".

NOW, THEREFORE, the City Council of the city of Pullman does ordain as follows:

Section 1: To the extent that it conflicts with this ordinance, Ordinance No. 11-5 is hereby amended by the substitution of the correct legal description of the annexed property, attached hereto as Exhibit "A" and the substitution of the correct map of the annexed property, attached hereto as Exhibit "B" .

Section 2: This ordinance shall be in full force and take effect five (5) days from and after its publication, or a summary thereof is published, in the official newspaper of the city of Pullman.

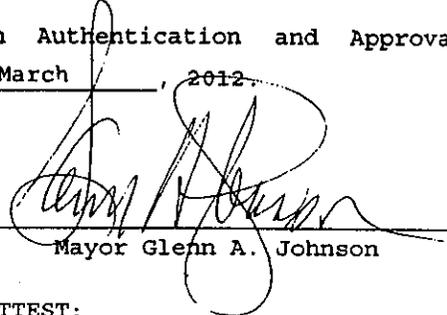
PASSED by the City Council of the city of Pullman at a regular meeting held on the 6th day of March, 2012.

700600

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Eunice L. Coker, Whilman County Auditor

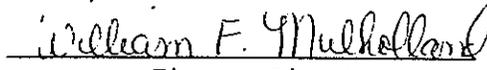


SIGNED by the Mayor in Authentication and Approval
Thereof on the 7th day of March, 2012.



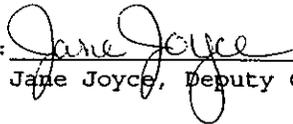
Mayor Glenn A. Johnson

ATTEST:



Finance Director
William F. Mulholland



By: 

Jane Joyce, Deputy City Clerk

Approved as to Form:



City Attorney Laura D. McAloon
Summary Published: March 10, 2012

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Eunice L. Coker, Whitman County Auditor



LEGAL DESCRIPTION
MADER ANNEXATION 2011

A parcel of land situate within Section 25 T.15N., R.44E., W.M. and Sections 29 and 30 T15N., R45 E. W.M., located in the county of Whitman, State of Washington, said parcel being further described as follows:

Commencing at the south quarter corner of said Section 29 (N 88°02'56" E 2,664.01 feet from the southwest corner of said Section 29);

thence N 00°53'20" E 2,663.27 feet to a point on the easterly right-of-way (R.O.W.) boundary of Washington State Route 27 (SR 27) and the POINT OF BEGINNING;

thence along the following 3 (three) courses on said easterly R.O.W. boundary:

- 1) N 06°05'05" E 800.26 feet,
- 2) S 83°54'55" E 25.00 feet,
- 3) N 06°05'05" E 370.00 feet to a point located on a line drawn at 90° to the centerline of said SR 27 at Station 116+00, according to the plans thereof on file with the Washington State Department of Highways;

thence N 83°54'55" W 175.00 feet to a point on the westerly R.O.W. boundary of said SR 27;

thence N 83°54'55" W 85.00 feet along said westerly R.O.W. boundary;

thence S 06°05'05" W 28.89 feet along said westerly R.O.W. boundary to a point on the northerly R.O.W. boundary of the Albion Road/Whitman County Road No. 5400;

thence S 89°38'54" W 117.38 feet along said northerly R.O.W. boundary to a point on the north-south subdivision line of said Section 29;

thence N 02°31'51" W 691.39 feet, leaving said northerly R.O.W. boundary and running along said north-south subdivision line;

thence S 87°28'08" W 505.15 feet, leaving said north-south subdivision line;

thence S 02°31'52" E 502.66 feet;

thence S 63°08'12" W 150.00 feet;

thence S 72°02'04" W 61.65 feet;

thence S 81°13'22" W 141.47 feet;

thence S 60°27'58" W 205.54 feet, more or less, returning to a point on the northerly boundary of said Albion Road/Whitman County Road No. 5400;

thence along the following 23 (twenty-three) courses along said northerly R.O.W. boundary:

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- 1) 1,020.29 feet along a curve concave southerly (Central Angle = $06^{\circ}46'42''$, Radius = 8,824.38 feet) with its Long Chord bearing $S80^{\circ}56'15''W$ 1,019.70 feet,
 - 2) N $12^{\circ}27'46''W$ 5.00 feet,
 - 3) 50.21 feet along a curve concave southerly (Central Angle = $00^{\circ}20'00''$, Radius = 8,829.33 feet) with its Long Chord bearing $S77^{\circ}22'54''W$ 50.21 feet,
 - 4) N $12^{\circ}47'06''W$ 15.00 feet,
 - 5) 105.28 feet along a curve concave southerly (Central Angle = $00^{\circ}41'52''$, Radius = 8,644.33 feet) with its Long Chord bearing $S76^{\circ}51'58''W$ 105.28 feet,
 - 6) S $76^{\circ}30'39''W$ 95.33 feet,
 - 7) S $13^{\circ}28'59''E$ 10.00 feet,
 - 8) S $76^{\circ}31'01''W$ 50.00 feet,
 - 9) S $13^{\circ}28'59''E$ 10.00 feet,
 - 10) S $76^{\circ}31'01''W$ 205.29 feet,
 - 11) 188.59 feet along a curve concave northerly (Central Angle = $11^{\circ}40'56''$, Radius = 924.93 feet) with its Long Chord bearing $S82^{\circ}21'28''W$ 188.26 feet,
 - 12) N $01^{\circ}48'04''W$ 5.00 feet,
 - 13) 337.17 feet along a curve concave northerly (Central Angle = $20^{\circ}59'59''$, Radius = 919.93 feet) with its Long Chord bearing $N81^{\circ}18'05''W$ 335.28 feet,
 - 14) S $19^{\circ}11'55''W$ 5.00 feet,
 - 15) 260.56 feet along a curve concave northerly (Central Angle = $16^{\circ}08'27''$, Radius = 924.93 feet) with its Long Chord bearing $N62^{\circ}43'52''W$ 259.70 feet,
 - 16) N $54^{\circ}39'38''W$ 430.98 feet,
 - 17) N $35^{\circ}20'22''E$ 20.00 feet,
 - 18) N $54^{\circ}39'38''W$ 40.30 feet,
 - 19) 104.92 feet along a curve concave northerly (Central Angle = $05^{\circ}29'07''$, Radius = 1,095.91 feet) with its Long Chord bearing $N51^{\circ}55'04''W$ 104.88 feet,
 - 20) N $40^{\circ}49'30''E$ 10.00 feet,
 - 21) 426.43 feet along a curve concave to the northeast (Central Angle = $22^{\circ}30'00''$, Radius = 1,085.91 feet) with its Long Chord bearing $N37^{\circ}55'30''W$ 423.70 feet,
 - 22) S $63^{\circ}19'29''W$ 15.00 feet,
 - 23) N $26^{\circ}40'31''W$ 64.27 feet, more or less, to the north-south subdivision line of the northeast quarter of said Section 30;
- thence S $02^{\circ}33'48''E$ 576.60 feet along said north-south subdivision line;



thence S 02°33'48" E 1,323.98 feet along said north-south subdivision line to a point on the east-west subdivision line of said Section 30;

thence S 87°29'34" W 1,331.55 feet along said east-west subdivision line;
thence S 87°29'34" W 2,667.10 feet along said east-west subdivision line to the quarter corner common to said Sections 30 and 25;

thence S 88°02'49" W 2,604.51 feet, to a point on the easterly R.O.W. boundary of Brayton Road/Whitman County Road No. 5510 (said point lying N87°29'34"E 30.00 feet from the center of said Section 25);

thence the following 9 (nine) courses along said easterly R.O.W. boundary:

- 1) S 03°08'31" E 725.90 feet to a Point of Curvature (P.C.),
- 2) 217.81 feet along a curve concave easterly (Central Angle = 33°43'44", Radius = 370.00 feet) with its Long Chord bearing S 20°00'24" E 214.68 feet to a Point of Tangency (P.T.),
- 3) S 36°52'15" E 1267.75 feet to a P.C.,
- 4) 227.27 feet along a curve concave to the northeast (Central Angle = 13°25'28", Radius = 970.00 feet) with its Long Chord bearing S43°34'59"E 226.75 feet to a P.T.,
- 5) S 50°17'43" E 612.68 feet to a P.C.,
- 6) 226.83 feet along a curve concave northerly (Central Angle = 40°36'50", Radius = 320.00 feet) with its Long Chord bearing S70°36'08"E 222.11 feet to a P.T.,
- 7) N 89°05'28" E 975.90 feet to a P.C.,
- 8) 43.67 feet along a curve concave southerly (Central Angle = 13°31'30", Radius = 185.00 feet) with its Long Chord bearing S 84°08'47" E 43.57 feet to a point on the easterly boundary of said Section 25 (N02°45'09"W 11.84 feet from the southeast corner of said Section 25) and being a point on the southerly R.O.W. boundary of SR 276,
- 9) 97.28 feet along a curve concave southerly (Central Angle = 30°07'38", Radius = 185.00 feet) with its Long Chord bearing S 62°19'14" E 96.16 feet, said curve also running along said southerly R.O.W. boundary;

thence leaving the easterly R.O.W. boundary of said County Road and running the following 6 (six) courses along said southerly R.O.W. boundary:

- 1) N 54°31'54" E 241.81 feet,
- 2) 521.67 feet along a curve concave northerly (Central Angle = 09°32'57", Radius = 3,130.00 feet) with its Long Chord bearing N87°25'13"E 521.08 feet,
- 3) S 82°20'29" E 109.04 feet,



- 4) 283.34 feet along a curve concave to the northerly (Central Angle = $04^{\circ}46'29''$, Radius = 3,160.00 feet) with its Long Chord bearing $N78^{\circ}20'54''E$ 263.26 feet,
- 5) $S 74^{\circ}58'02'' E$ 60.83 feet,
- 6) $N 64^{\circ}18'42'' E$ 266.95 feet, partially along said existing city limit line;

Thence continuing along the following 12 (twelve) courses on said southerly R.O.W. boundary and said existing city limit line:

- 1) $N 68^{\circ}31'30'' E$ 954.51 feet,
- 2) $N 54^{\circ}29'20'' E$ 103.08 feet,
- 3) $N 68^{\circ}31'30'' E$ 536.10 feet,
- 4) 846.48 feet along a curve concave southerly (Central Angle = $07^{\circ}59'01''$, Radius = 6,075.00 feet) with its Long Chord bearing $N72^{\circ}31'00''E$ 845.80 feet,
- 5) $S 83^{\circ}10'33'' E$ 358.57 feet,
- 6) 48.06 feet along a curve concave southerly (Central Angle = $00^{\circ}27'43''$, Radius = 5,960.00 feet) with its Long Chord bearing $N79^{\circ}58'26''E$ 48.06 feet,
- 7) $N 48^{\circ}49'34'' E$ 113.73 feet,
- 8) 145.65 feet along a curve concave southerly (Central Angle = $01^{\circ}23'10''$, Radius = 6,020.00 feet) with its Long Chord bearing $N81^{\circ}49'20''E$ 145.65 feet,
- 9) $N 67^{\circ}10'18'' E$ 207.29 feet,
- 10) $N 82^{\circ}33'30'' E$ 250.00 feet,
- 11) $S 83^{\circ}24'20'' E$ 206.16 feet,
- 12) $N 82^{\circ}33'30'' E$ 247.31 feet, more or less, to a point on the common boundary between said Sections 29 and 30, and the southwest corner of a city of Pullman annexation, according to Ordinance No. 06-06, records of said city;

thence $N 02^{\circ}31'43'' W$ 1,582.70 feet along said common boundary/city limit line to the quarter corner common to said Sections 30 and 29;

thence $N 87^{\circ}42'14'' E$ 2,822.66 feet along the east-west subdivision line of said Section 29 and said city limit line to the POINT OF BEGINNING,
 the area of said-described parcel of land being 505.7 acres;

EXCEPTING THEREFROM the following-described parcel located in Whitman County, State of Washington, to wit:

That portion of the north half of the northeast quarter of Section 30, T.15N., R.45E., W.M., being described as follows:

COMMENCING at a point on the south line of the northwest quarter of the northeast quarter of said Section 30 and running thence along said south

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line to a point that is located 212 feet west of the southeast corner of said northwest quarter of the northeast quarter;
thence east along said south line 212 feet to said southeast corner of said northwest quarter of the northeast quarter;
thence turning an angle of 64°13' to the left and running northeasterly 180 feet;
thence turning an angle of 66° to the left and running northwesterly 80 feet;
thence turning an angle of 91°30' to the left and running southwesterly 323 feet, more or less, to the POINT OF BEGINNING,
the area of said-described parcel of land being 0.75 acres, more or less;

TOGETHER WITH A parcel of land situate in the west half of the northeast quarter of Section 29, T.15N., R45 E., W.M., said parcel situate within the county of Whitman, State of Washington, said parcel being more particularly described as follows:

COMMENCING at the north quarter corner of said Section 29 (N 88°00'57" E from the northwest corner of said Section);

thence S 02°31'51" E 1,019.90 feet along the subdivision line of said Section 29 to the POINT OF BEGINNING,

thence S 82°31'51" E 423.18 feet to a point on the easterly R.O.W. boundary of said SR 27;

thence S 06°05'05" W 394.08 feet along said easterly R.O.W. boundary;

thence N 83°54'58" W 240.00 feet to a point on the westerly R.O.W. boundary of said SR 27;

thence S 06°05'05" W 28.89 feet along said westerly R.O.W. boundary to a point on the northerly R.O.W. boundary of Albion Road (Whitman County Road No. 5400);

thence S 89°38'54" W 117.38 feet along said northerly R.O.W. boundary to its intersection with the subdivision line of said Section 29;

thence N 02°31'51" W 444.23 feet along said section subdivision line to the POINT OF BEGINNING,

the area of said-described parcel being 3.7 acres, and being the same parcel of property:

- 1) as described in a Deed filed under Whitman County Auditor's File No. 454021
- 2) along with the R.O.W. of said SR 27 and Albion Road which lies adjacent to the parcel described in said Deed 454021,

The total combined area of the herein-described parcel of land is 508.65 acres, more or less.

Approved for Form:

Mark E. Whitman

2/27/12

Director of Public Works

Date

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Eunice L. Coker, Whitman County Auditor

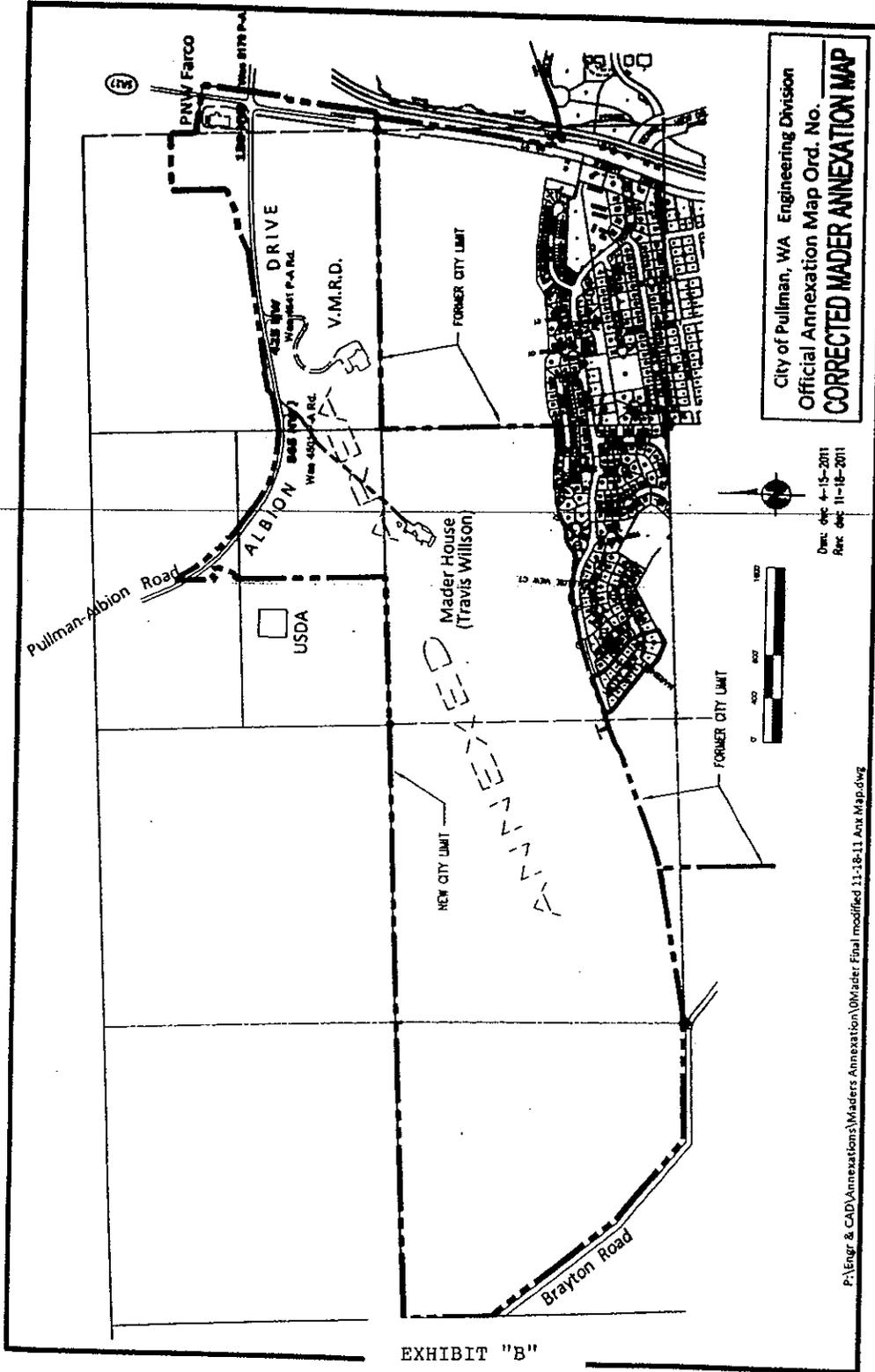


EXHIBIT "B"

ATTACHMENT 4

Q4a: Public Education & Involvement Activities

**Q31: Treatment BMP Effectiveness Monitoring
& Status of Site Identification**

Eastern Washington Phase II Municipal Stormwater Permit - ATTACHMENT 4

Q4a: Public Education & Involvement Activities

Public Education & Outreach

- Continued education and outreach efforts via website, news media, direct mailings and personal interaction with the public including a presentation at the Pullman Kiwanis.
- Partnered with the Palouse-Clearwater Environmental Institute (PCEI), Pullman School District and private schools to integrate stormwater related information into the 5th, 8th and 10th grade science curriculum. The stormwater information was delivered in 30 classes totaling 481 students.
- Sponsored several WSU graduate student interns including an MBA, 2 Engineering students and one Communications student. The Engineering students worked on updating our detention pond and outfall inventories. The MBA and Communications students worked primarily on the pet waste management program.

Public Involvement

- Partnered with the Palouse-Clearwater Environmental Institute (PCEI) to sponsor the 7th Annual Pullman Stream Clean-up event in April. 100 volunteers spent 300+ hours cleaning Pullman's streams by removing an estimated 12 yards of trash and recyclables.
- Launched Pullman Adopt-a-Stream Program.

Q31: Treatment BMP Effectiveness Monitoring & Status of Site Identification

Biofiltration swales have been required in Pullman for basic treatment of parking lot runoff since 2003. However, few have been designed and/or built in accordance with the 2004 *Stormwater Management Manual for Eastern WA* (Manual). No other treatment BMP has been as widely used in Pullman, making the biofiltration swale the obvious candidate for a treatment BMP effectiveness monitoring study. There are a few private swales that we have identified as possibly having met the design criteria in the Manual but are lacking proper maintenance. We plan to work with the property owner to confirm that the two swales of interest were properly designed and built. We will then encourage the owner to perform the necessary maintenance to restore proper function. A valid study can then potentially be performed. All of this of course hinges upon the property owner agreeing to perform the maintenance and allowing us to conduct the study. If the property owner refuses, we will plan to properly design and install two biofiltration swales when required on the next city project(s) and make the necessary preparations for measuring their effectiveness.