DEPARTMENT OF ECOLOGY State of Washington

Submittals WQWebSubmittal

Annual Report

Number	Permit Section	Question
1	S5.A.4.	Attach updated annual Stormwater Management Program Plan (SWMP Plan) or website address in the Comment field where it can be found. (S5.A.4.) **2024 SWMP Plan Final 24_0325_1_03252024155244**
1.a	S5.A.4.	Cite website of SWMP if unable to attach **https://www.wallawalla.gov/government/public-works/stormwater**
2	S9.C.6.	Attach a map and 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 per S9.C.6. **COWW_2022_Annexations_Res2022-_2_03072024105818**
3	S5.A.5.a.ii.	Tracked the estimated costs of implementation of each component of the SWMP. (S5.A.5.a.ii.) **Yes**
4	S5.A.6.b.	Coordinated among departments within the jurisdiction to eliminate barriers to permit compliance. (S5.A.6.b.) **Yes**
5	S5.B.1	Were elements of a regional program implemented to complete any part of your education and outreach program? (S5.B.1) **Yes**
5a	S5.B.1	If yes, list the elements, and the regional program **The City is a member of the Walla Walla County Regional Stormwater Group (WWCORSG). This group is made up of stormwater coordinators from Walla Walla County and the cities of Walla Walla and College Place. This group met five times in 2022 to discuss strategies and collaborative opportunities on TMDL sampling, regional PE&O, grant funding and participation, and GIS mapping.**
6	S5.B.1.a.i.-iii.	Attach description of public education and outreach programs and stewardship activities conducted per S5.B.1.a.i.-iii. **COWW_2022_PE&O_Activities_Cale_6_03112024145833**
7	S5.B.1.a.ii.	Which types of businesses were targeted per S.5.B.1.a.ii.? **The following businesses are continually targeted on the City's website: mobile car washing, swimming pool businesses, Business owners, gas stations and car care businesses, lawn care and landscaping businesses, restaurants and food trucks.**
9	S5.B.2.a.	Describe in Comments field the opportunities created for the public to participate in the decision making processes involving the development, implementation, and updates of the Permittee's SWMP. (S5.B.2.a.)

Number	Permit Section	Question
		Met with the Water and Wastewater Advisory Committee on ten occasions during the 2022 to update them and solicit input/guidance on grant projects, snowpack and drought forecasts, stormwater CIP project updates, monitoring and effectiveness study participation, and the annual report and SWMP Plan.
10	S5.B.2.b.	Posted the updated SWMP Plan and latest annual report on your website no later than May 31. **Yes** Comment: Will post by May 31, 2024 with 2024 SMWP Plan which contains 2023 planning in addition to 2024 items.
10a	S5.B.2.b.	List the website address in Comments field. (S5.B.2.b.) **https://www.wallawallawa.gov/government/public-works/stormwater**
11	S5.B.3.a.	Maintained a map of the MS4 that includes the requirements listed in S5.B.3.a. (Updated maps required no later than August 1, 2023) **Yes**
12	S5.B.3.a.i.	Attach a spreadsheet that lists the known outfalls and discharge points, including the outfalls' size and material(s). (Required to update no later than August 1, 2023, S5.B.3.a.i.) **COWW_Oufall_List_Current_12_03122024152722**
14	S5.B.3.b.	Implemented an ordinance or other regulatory mechanism to effectively prohibit non-stormwater, illicit discharges as described in S5.B.3.b. **Yes**
15	S.5.B.3.b.vii.	Updated ordinance or regulatory mechanism to meet the requirements of this permit, if necessary. (Required no later than February 2, 2023, S.5.B.3.b.vii.) **Not Applicable**
16	S5.B.3.b.vi.	Implemented a compliance strategy, including informal compliance actions as well as enforcement provisions of the regulatory mechanism described in S5.B.3.b. (S5.B.3.b.vi.) **Yes**
17	S5.B.3.c.	Implemented procedures for conducting illicit discharge investigations in accordance with S5.B.3.c. **Yes**
18	S5.B.3.c.iv.	Percentage of MS4 coverage area screened in reporting year per S5.B.3.c.iv. (Required to screen 12% on average each year, S5.B.3.c.iv.) **12**
18a	S5.B.3.c.iv.	Cite field screening techniques used to determine percent of MS4 screened. **Through a combination of GIS analysis and Outfall Reconnaissance Inspections, outfalls within the entire MS4 are identified according to the creek basin where they are located. The basins (and the outfalls in them) are then parsed out over the 5-year duration of the Permit so that approximately 12% of the total outfalls are inspected annually. The exception is Mill Creek which contains about 40% of the outfalls in the City. In 2022, a total of 13 outfalls in the Barber, College, Stone, and Titus Creek basins were screened.**

Number	Permit Section	Question
18b	S5.B.3.c.iv.	Percentage of total MS4 screened from permit effective date through end of the reporting year. **48**
19	S5.B.3.c.v.	Describe how you publicized a hotline telephone number for public reporting of spills and other illicit discharges in the Comments field. (S5.B.3.c.v.) **Hotline Number and After-Hours Number posted on City's stormwater website.**
20	S5.B.3.c.vi.	Implemented an ongoing illicit discharge training program for all municipal field staff per S5.B.3.c.vi. **Yes**
21	S5.B.3.c.vii.	Informed public employees, businesses, and the general public of hazards associated with illicit discharges and improper disposal of waste. Describe actions in Comments field. (S5.B.3.c.vii.) **Stormwater website along with utility billing inserts in July and September 2022. Street Sweeper advertising of "Only Rain Down the Drain" messaging. Taught two Whitman College Environmental classes during the year (March & November) where we discussed pet waste management, illicit discharges and proper disposal of waste, and fecal coliform bacteria testing.**
22	S5.B.3.d.	Implemented an ongoing program designed to address illicit discharges, including spills and illicit connections into the MS4 per S.5.B.3.d. **Yes**
23	S5.B.3.e.	Implemented an ongoing illicit discharge training program for all staff responsible for implementing the procedures and program, as described in S5.B.3.e. **Yes**
24	S5.B.3.f.	Attach a report with data describing the actions taken to investigate, characterize, trace and eliminate each illicit discharge found by or reported to the permittee. The submittal must include all of the applicable information and must follow the format and timelines described in Appendix 7. (S5.B.3.f.) **COWW_2022_IDDEs_WAR046508_24_03122024100816**
25	S5.B.4.a.	Implemented an ordinance or other regulatory mechanism and enforcement procedures for construction site stormwater runoff control as described in S5.B.4. **Yes**
26	S5.B.4.a.i.-iv.	Adopted ordinance or other regulatory mechanism and enforcement procedures for construction site stormwater runoff control as described in S5.B.4.a.i.-iv. (Required no later than December 31, 2022) **Not Applicable**
27	S5.B.4.b.	Reviewed site plans for all new development and redevelopment projects as described in S5.B.4.b. **Yes**
27a	S5.B.4.b.i.	Number of site plans reviewed during the reporting period. (S5.B.4.b.i.) **1**

Number	Permit Section	Question
27b	S5.B.4.b.i.	The number of construction sites that provided their intent to apply for the "Erosivity Waiver" during the reporting period as described in S5.B.4.b.i. **0**
27c	S5.B.4.b.i.	The number of complaints investigated about sites that have received an "Erosivity Waiver" . (S5.B.4.b.i.) **0**
28	S5.B.4.	Implemented procedures for site inspection and enforcement of construction stormwater pollution control measures. (S5.B.4.) **Yes**
28a	S5.B.4.c.i.	Number of permitted construction sites inspected during the reporting period. (S5.B.4.c.i.) **13**
28b	S5.B.4.f.	Number of enforcement actions taken during the reporting period based on construction phase inspections at new development and redevelopment projects. (S5.B.4.f.) **0**
29	S5.B.4.d.	Trained the staff involved in permitting, plan review, field inspections, and enforcement for construction site runoff control. (S5.B.4.d.) **Yes**
30	S5.B.4.e.	Provided information to construction site operators and design professionals about training available on how to comply with the requirements in Appendix 1 and the BMPs in the SWMMEW, or an equivalent document. Describe information provided in the Comments field. (S5.B.4.e.) **Yes** Comment: Yes, through announcements posted on City's stormwater website and email correspondence.
30a	S5.B.4.e.	Describe information provided in the Comments field. (S5.B.4.e.) **The City's stormwater website directs design professionals to Ecology's website to contact Ecology approved CESCL training, professionals, and certification programs. In addition, the City maintains an email list of local design professionals that is used to send out this type of information directly to this audience. The City's stormwater website also has a "Designer & Developer Information" section that references the City's 2018 Stormwater Design Standards Handbook. This Handbook explains all of the local stormwater requirements for new and redevelopment and reinforces the use of the SWMMEW.**
31	S5.B.5.a.	Implemented ordinance or other regulatory mechanism and enforcement procedures to address post-construction stormwater controls runoff to the MS4 from new development and redevelopment as described in S5.B.5.a. **Yes**
32	S5.B.5.a.	Revised ordinance or other regulatory mechanism and enforcement procedures to address post-construction stormwater controls runoff to the MS4 from new development and redevelopment as described in S5.B.5.a. (Adopted no later than December 31, 2022) **Not Applicable**

Number	Permit Section	Question
33	S5.B.5.b.ii.(a)	Allowed non-structural preventive actions and source reduction approaches such as Low Impact Development (LID) techniques to be used. (S5.B.5.b.ii.(a)) **Yes**
34	S5.B.5.b.ii.(b)(2)	Required projects approved under S5.B.5. to retain runoff generate on-site for, at a minimum, the 10-year, 24-hour rainfall event or a local equivalent, using either on-site or regional stormwater facilities. (S5.B.5.b.ii.(b)(2)) **Yes**
35	S5.B.5.d.	Inspected post-construction stormwater controls, including structural BMPs, at new development and redevelopment sites. (S5.B.5.d.) **Yes**
35a	S5.B.5.d.i.	Number of new and redeveloped sites inspected during installation of structural BMPs during the reporting period. (S5.B.5.d.i) **10**
35b	S5.B.5.d.i.	Number of new and redeveloped sites inspected upon final installation of BMPs or upon completion of the project during the reporting period. (S5.B.5.d.i.) **10**
36	S5.B.5.d.ii.	Inspected structural BMPs at least once every five years after final installation. (S5.B.5.d.ii.) **Yes** Comment: Yes, but records not located due to turnover in the City's stormwater coordinator position.
36a	S5.B.5.d.ii.	Number of BMPs inspected during the reporting period. **0**
37	S5.B.5.d.	Number of enforcement actions taken as a result of these inspections during the reporting period? (S5.B.5.d.) **0**
38	S5.B.5.e.	Trained the staff involved in permitting, plan review, inspection, and enforcement for post-construction stormwater control. (S5.B.5.e.) **Yes**
39	S5.B.5.f.	Provided information to design professionals about training available on how to comply with the requirements in Appendix 1 and apply the BMPs in the SWMMEW, or an equivalent document. (S5.B.5.f.) **Yes** Comment: Yes, through announcements posted on City's stormwater website.
39a	S5.B.5.f.	Describe information provided and cite the manual used **Ecology's 2019 Stormwater Management Manual for Eastern Washington (SWMMEW). The City maintains an email list of local design professionals that is used to send out this type of information directly to the audience. The City's stormwater website also has a "Designer & Developer Information" section that references the City's 2018 Stormwater Design Standards Handbook. This**

Number	Permit Section	Question
		Handbook explains all of the local stormwater requirements for new development and redevelopment and reinforces the use of the SWMMEW.
40	S5.B.6.a.	Reviewed and, if needed, updated Operations and Maintenance Plan. (Required no later than December 31, 2022, S5.B.6.a.) **Not Applicable**
41	S5.B.6.a.	Implemented the schedule of Operation and Maintenance activities for municipal operations. (S5.B.6.a.) **Yes**
42	S5.B.6.a.i.(f) and (g)	Have NPDES permit coverage for all applicable Permittee construction projects and industrial facilities. (S5.B.6.a.i.(f) and (g)) **Yes**
43	S5.B.6.a.i.(h)	Implemented a Stormwater Pollution Prevention Plan for all heavy equipment maintenance or storage yards, and material storage facilities owned or operated by the Permittee in areas subject to this Permit that are not required to have coverage under an NPDES permit that covers stormwater discharges associated with the activity. (S5.B.6.a.i.(h)) **Yes** Comment: The City developed and continues to implement a SWPPP for the service center. Additional site-specific SWPPPs need to be developed for other heavy equipment maintenance and storage facilities owned by the City.
44	S5.B.6.a.ii.(a)	Inspected stormwater treatment and flow control facilities (except catch basins) owned or operated by the Permittee at least once every two years. (S5.B.6.a.ii.(a)) **Yes**
44a	S5.B.6.a.ii.(a)	Number of facilities inspected during the reporting period. **84**
45	S5.B.6.a.ii.(b)	Inspected municipally owned or operated catch basins and inlets every two years or used an alternative approach? (Required at least once every two years, S5.B.6.a.ii.(b)) **Yes**
45a	S5.B.6.a.ii.(b)	Number of known catch basins. **2582**
45b	S5.B.6.a.ii.(b)	Number of catch basins inspected during the reporting period. **0** Comment: Change in software led to loss of data based on verbal communication with City Streets Department staff. Staff completed approximately half of total number of catch basin and inlet inspections in 2022.
45c	S5.B.6.a.ii.(b)	Number of known catch basins cleaned during the reporting period. **0** Comment: Change in software led to loss of data based on verbal communication with City Streets Department staff. Staff completed approximately one half of the total number of catch basin and inlet inspections and cleaning in 2022.

Number	Permit Section	Question
46	S5.B.6.a.ii.(b)	If used an alternative to standard schedule for catch basin inspections for all or a portion of the MS4, attach description of the method used. (S5.B.6.a.ii.(b)) **Not Applicable**
47	S5.B.6.a.ii.(c)	Conducted spot checks of stormwater facilities after major storms. (S5.B.6.a.ii.(c)) **Yes**
48	S5.B.6.b.	Trained the staff with primary construction, operations, or maintenance job functions that are likely to impact stormwater quality. (S5.B.6.b.) **Yes**
49	S7.A.	Complied with the Total Maximum Daily Load (TMDL)-specific requirements identified in Appendix 2. (S7.A.) **Yes** Comment: Yes, generally
50	S7.A.	For TMDLs listed in Appendix 2: Attach a summary of relevant SWMP and Appendix 2 activities to address the applicable TMDL parameter(s). (S7.A.) **COWW_2022_S7.A_TMDL_Compliance_50_03112024151818**
51	S8.A.	Attach a summary of your participation in effectiveness study development and implementation during the reporting year. (S8.A.1. and S8.A.2.a.) **COWW_2022_EffectivenessStudy_P_51_03112024151856**
53	S8.A.	Was a detailed study design proposal submitted? (Required to submit by September 30, 2022, S8.A.2.c.) **Yes**
56	S8.A.	Was the SWMP updated to include effectiveness study activities? (S8.A.2.f.) **No** Comment: 2023 SWMP Plan not prepared due to staffing challenges.
57	G3.	Notified Ecology in accordance with G3. of any discharge into or from the Permittees MS4 which could constitute a threat to human health, welfare, or the environment. (G3.) **Yes**
58	G3.A.	Took appropriate action to correct or minimize the threat to human health, welfare, and/or the environment per G3.A. **Yes**
58a	G3.A.	Actions taken to correct or minimize the threat to human health, welfare, and/or the environment per G3.A. **the Permittee's MS4 during the reporting period which could constitute a threat to human health, welfare, or the environment. All discharges into the Permittee's MS4 that were reported and confirmed as illicit discharges, were cleaned up by the City's Street Maintenance staff and/or responsible party prior to discharging to waters of the state.**

Number	Permit Section	Question
59	G20.	Notified Ecology of the failure to comply with the permit terms and conditions within 30 days of becoming aware of the non-compliance. (G20.) **Yes**
60	G20.	Number of non-compliance notifications provided in reporting year. (G20.) **1**
60a	G20.	List permit conditions described in non-compliance notification(s) **S5.B.1.b**
61	S4.F.1.	Notified Ecology within 30 days of becoming aware that a discharge from the Permittee's MS4 caused or contributed to a known or likely violation of water quality standards in the receiving water. (S4.F.1.) **Not Applicable**
62	S4.F.3.a.	If requested, submitted an Adaptive Management Response report in accordance with S4.F.3.a. **Not Applicable**
63	S4.F.3.d.	Attach a summary of the status of implementation of any actions taken pursuant to S4.F.3. and the status of any monitoring, assessment, or evaluation efforts conducted during the reporting period. (S4.F.3.d.) **Not Applicable**

Attachments:

View Files Attached to Submission

	DocDescr	DocName	DocExt	DocID	SubID	AppName
View	WAR046508_03252024035016	2024 SWMP Plan Final 24_0325_03252024035016.pdf	.pdf	1514193	1712675	wqwebportal
View	WAR046508_1_03252024155244	2024 SWMP Plan Final 24_0325_1_03252024155244	.pdf	1514203	1712675	wqwebportal
View	WAR046508_03252024035042	Appendix A - PE&O Activities_03252024035042.pdf	.pdf	1514196	1712675	wqwebportal
View	WAR046508_03252024035042	Appendix B - Public Involvement Activities_0325202	.pdf	1514197	1712675	wqwebportal
View	WAR046508_03252024035042	Appendix C - IDDE Log_03252024035042.pdf	.pdf	1514198	1712675	wqwebportal
View	WAR046508_03252024035043	Appendix D - ORI Summary_03252024035043.pdf	.pdf	1514199	1712675	wqwebportal
View	WAR046508_03252024035043	Appendix E - TMDL Report_03252024035043.pdf	.pdf	1514200	1712675	wqwebportal
View	WAR046508_03252024035043	Appendix F - UIC Well Summary_03252024035043.pdf	.pdf	1514201	1712675	wqwebportal
View	WAR046508_03252024035043	Appendix G - Internal Coord Mech_03252024035043.pd	.pdf	1514202	1712675	wqwebportal
View	Submitted Copy of Record for City of Walla Walla	Copy of Record CityofWallaWalla Tuesday March 26 2024	.pdf	1514251	1712675	wqwebportal
View	Submitted Cover Letter for City of Walla Walla	Cover Letter CityofWallaWalla Tuesday March 26 2024	.pdf	1514252	1712675	wqwebportal
View	WAR046508_2_03072024105818	COWW_2022_Annexations_Res2022-_2_03072024105818	.pdf	1506433	1712675	wqwebportal
View	WAR046508_51_03112024151856	COWW_2022_EffectivenessStudy_P_51_03112024151856	.pdf	1508184	1712675	wqwebportal
View	WAR046508_24_03122024100816	COWW_2022_IDDEs_WAR046508_24_03122024100816	.xlsx	1508610	1712675	wqwebportal
View	WAR046508_6_03112024145833	COWW_2022_PE&O_Activities_Cale_6_03112024145833	.pdf	1508169	1712675	wqwebportal
View	WAR046508_50_03112024151818	COWW_2022_S7.A_TMDL_Compliance_50_03112024151818	.pdf	1508183	1712675	wqwebportal
View	WAR046508_12_03122024152722	COWW_Oufall_List_Current_12_03122024152722	.pdf	1508964	1712675	wqwebportal

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RESOLUTION NO. 2022-58

A RESOLUTION DETERMINING THAT THE CITY OF WALLA WALLA WILL ACCEPT A PROPOSED ANNEXATION, BEING GENERALLY LOCATED AT 700 MCBETH ROAD, EAST OF WHISTLING DUCK ROAD, AND TO DETERMINE OTHER MATTERS RELATED THERETO

WHEREAS, the City of Walla Walla is classified as a Code City under the Revised Codes of Washington State; and

WHEREAS, RCW Ch. 35A.14 provides for annexation by direct petition initiated by the filing of notification on behalf of owners of property in the territory proposed for annexation which is not less than ten percent (10%) of the assessed value of the property to be annexed; and

WHEREAS, the City of Walla Walla has received sufficient notification of intent to annex territory consisting of approximately 7.8 acres of property, being generally located at 700 McBeth Road, east of Whistling Duck Road; and

WHEREAS, RCW 35A.14.120 provides that the City Council shall set a date not later than sixty (60) days after the filing of notification of proposed annexation for a meeting with the initiating parties to determine whether the city will accept, reject, or geographically modify the proposed annexation, and whether it shall require simultaneous adoption of a proposed zoning regulation, and other matters; and

WHEREAS, the Walla Walla City Council passed Resolution No. 2022-32 at its March 9, 2022, regular meeting setting April 13, 2022, as the date for meeting to determine whether the City would accept, reject, or geographically modify the proposed annexation; and

WHEREAS, early notification as required by Walla Walla Municipal Code Section 20.02.080 of the proposed annexation was provided to the Walla Walla County Board of County Commissioners, Walla Walla County Departments, franchise holders, Fire District No. 4, the Rural Library District via mail on March 10, 2022; and

WHEREAS, notification of the April 13, 2022, City Council meeting was provided to property owners adjacent to the boundary and the petitioner on March 10, 2021; and

WHEREAS, the Walla Walla City Council has considered the annexation proposal during a regularly and duly called public meeting of said Council, has given said annexation careful review and consideration, finds that it is an appropriate function for the City to accept the proposed annexation boundary as provided herein, and continue the annexation process with the 60% annexation petition.

NOW THEREFORE, the City Council of the city of Walla Walla do resolve as follows:

Section 1: The Walla Walla City Council hereby determines that it will accept the proposed annexation area of approximately 7.8 acres, being generally described as follows and shown in Exhibit A:

A TRACT OF LAND IN THE WEST ½ OF THE SOUTHEAST ¼ OF SECTION 33, TOWNSHIP 7 NORTH, RANGE 36 EAST, WILLAMETTE MERIDIAN, WALLA WALLA COUNTY WASHINGTON, BEING DESCRIBED MORE PARTICULARLY AS FOLLOWS: COMMENCING AT THE NORTHWEST CORNER OF SAID WEST 1/2 OF THE

SOUTHEAST 1/4 OF SECTION 33; THENCE SOUTH 00 DEGREES 59 MINUTES 27 SECONDS EAST FOR A DISTANCE OF 891.00 FEET ALONG THE WEST LINE OF SAID WEST 1/2 TO THE NORTHWEST CORNER OF THAT LAND DESCRIBED IN A DEED FILED AT AUDITOR'S FILE NUMBER 8004671, SAID CORNER BEING THE TRUE POINT OF BEGINNING FOR THIS DESCRIPTION. THENCE NORTH 88 DEGREES 57 MINUTES 00 SECONDS EAST FROM A DISTANCE OF 400.00 FEET ALONG THE NORTH LINE OF SAID LAND TO THE NORTHEAST CORNER THEREOF; THENCE SOUTH 00 DEGREES 59 MINUTES 27 SECONDS EAST FOR A DISTANCE OF 944.05 FEET ALONG THE EAST LINE OF SAID LAND TO A POINT ON THE NORTH RIGHT OF WAY LINE OF MACETH COUNTY ROAD; THENCE ALONG THE RIGHT OF WAY LINE OF MACBETH COUNTY ROAD BY THE FOLLOWING COURSES: THENCE SOUTH 89 DEGREES 44 MINUTES 53 SECONDS WEST FOR DISTANCE OF 23.24 FEET: THENCE SOUTH 00 DEGREES 15 MINUTES 07 SECONDS EAST FOR A DISTANCE OF 20.00 FEET: THENCE LEAVING SAID RIGHT OF WAY LINE AND RUNNING; SOUTH 89 DEGREES 44 MINUTES 53 SECONDS WEST FOR A DISTANCE OF 159.83 FEET: THENCE NORTH 08 DEGREES 52 MINUTES 27 SECONDS WEST FROM A DISTANCE OF 232.75 FEET: THENCE SOUTH 88 DEGREES 57 MINUTES 00 SECONDS WEST FOR DISTANCE OF 184.76 FEET TO A POINT ON THE WEST LINE OF THAT PARCEL DESCRIBED AT AUDITOR'S FILE NUMBER 8004671: THENCE NORTH 00 DEGREES 59 MINUTES 27 SECONDS WEST FROM A DISTANCE OF 730.95 FEET

Section 2: The Walla Walla City Council hereby determines that the applicable zoning designation will be consistent with the Walla Walla Comprehensive Plan – Walla Walla 2040 land use designation of Residential. The implementing zone is Neighborhood Residential.

Section 3: The Walla Walla City Council hereby determines that, subject to any applicable exemptions, all property within the area described in Section 1 herein shall be assessed and taxed at the same rate and on the same basis as other property in the City of Walla Walla. In addition, subject to any applicable exemptions, all property within the area described in Section 1 herein shall be assessed and taxed at such a rate and basis to pay for any outstanding indebtedness of the City of Walla Walla contracted prior to, or existing at, the date of annexation.

PASSED by the City Council of the City of Walla Walla, Washington, this 13th day of April 2022.

Mayor

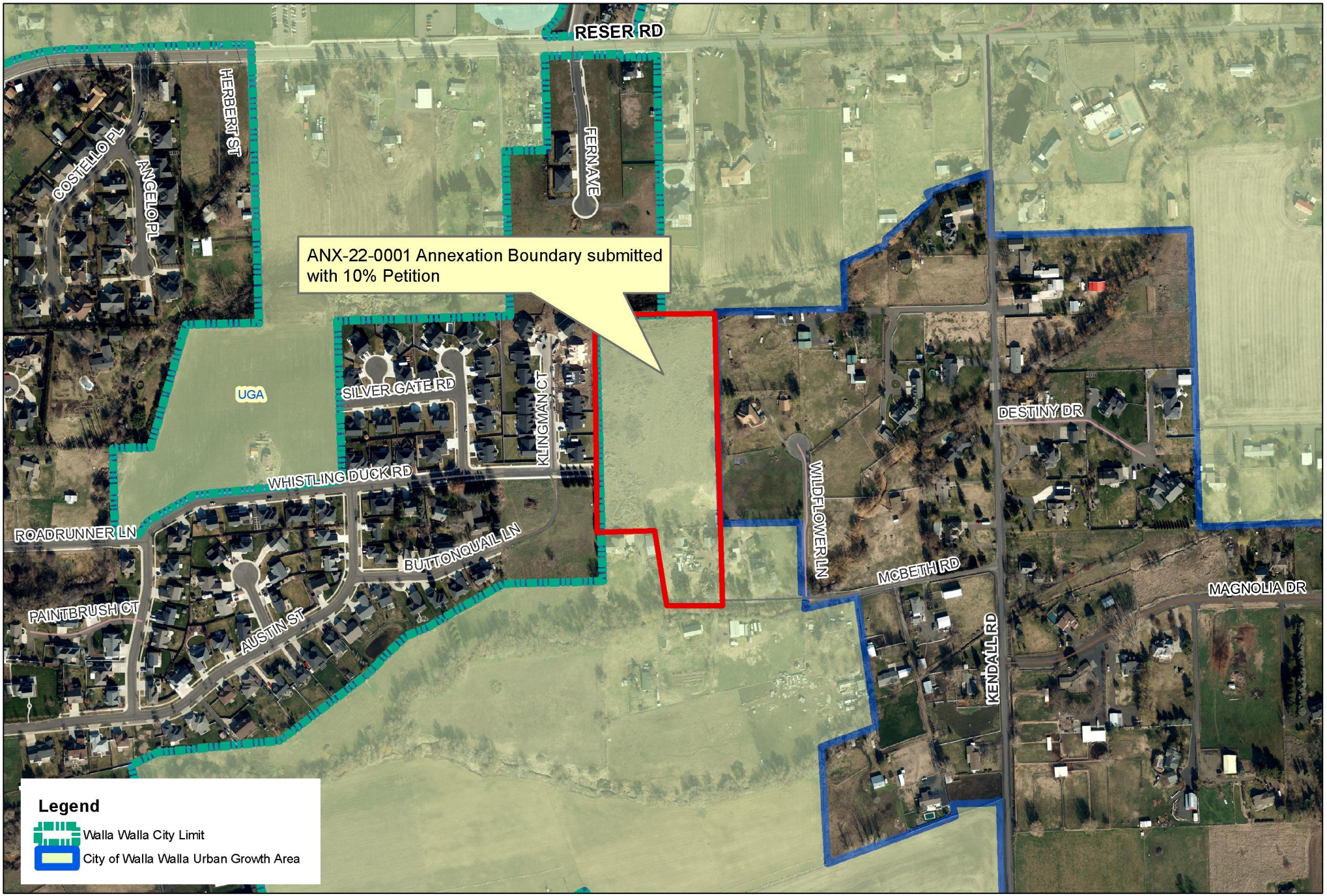
Attest:

City Clerk

Approved as to form:

City Attorney

ANX-22-0001 Annexation Map



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0 187.5 375 750 Feet

Print Date: 2/7/2022

The City of Walla Walla does not warrant, guarantee or accept any liability for the accuracy, precision or completeness of any information shown or described hereon or for any inferences made therefrom. Any use made of this information is solely at the risk of the user.

City of Walla Walla GIS

NON-VEGETATED SWALE EFFECTIVENESS STUDY PARTICIPATION LOG

From: Brian Morgenroth, Stormwater Coordinator, City of Walla Walla
Date: March 2, 2022
Subject: First Entry TAC Meeting #1 and Monthly Check-In Meeting for March 2022

The NVS ES kicked off in January 2022 with the Project Lead, City of West Richland getting started with the Consultant, Osborn Engineering, Inc. (OCI), to initiate a contract and set up the Technical Advisory Committee Meetings schedule. Information was sent out to TAC participants and literature review on the subject matter started.

The first Monthly Check-In Meeting was held on February 1, 2022. CoWW was unable to attend due to a scheduling conflict with another meeting. Project Schedule was reviewed and updated with the group. Meeting agenda and meeting minutes from the meeting were sent out by OCI and review of the minutes was done by CoWW.

The first TAC meeting (TAC #1) was held on March 2, 2022. Prior to the meeting, OCI sent out a SharePoint link to a comment log and the first draft document on NVS BMP Design Guidance. The meeting was productive with good attendance and useful comments on the contents of the CoWW provided comments on the document and participated in the meeting by asking questions and providing feedback. A total of 3 staff hours was spent reviewing, preparing comments, attending the meeting and following up with further information.

Date: March 3, 2022
Subject: Follow Up Conversation on TAC Meeting #1. At the request of the first TAC meeting, CoWW provided feedback on the type of rock examples that we would like to see tested as part of this ES. CoWW went to several sites around town and photographed samples of rock being used in swales and landscaping around town. These photos were emailed back to the TAC to be shared with the group. A total of 2 staff hours was spent visiting sites, taking photographs, and transmitting the information.

Date: April 5,2022
Subject: The second Monthly Check-In Meeting was held on April 5, 2022. Meeting Agenda and Notes were compiled by Osborn Engineering Project Manager. Discussion at the meeting was about the Design and Maintenance Guidelines and the start of the QAPP. The D&MG have been completed and submitted to Ecology for review and comments. Details on the study proposal were also discussed. Osborn PM displayed and discussed several drawings of the swale (cross sections and details) to detail how the swale was going to be constructed and how flow would be monitored. Drawings and details were shared with the group and comment on them was requested. It appears that there will be some custom fabrication required for parts of the swale where sampling will take place. Drew mentioned that they have a Fabrication Shop that could be utilized. CoWW also offered to the services of their shop to fabricate something if necessary. Also discussed the SilColSil product that will be used to create the synthetic Stormwater with TSS. A total of 2 staff hours was spent attending the meeting, taking notes and providing comments on the drawings.

Date: April 29, 2022
Subject: NVS ES Consultant Team has moved from Osborn Consulting to their new home at Evergreen StormH_2O starting May 2, 2022. Consulting Team distributed draft QAPP and Appendices for the TAC to

review and comment on. Review started on 04/29/2022 by CoWW. A total of 2 staff hours was spent reviewing the documents.

Date: May 3, 2022
Subject: TAC Meeting #2. Meeting was cancelled by ES Project Manager to provide team members more time to review the draft QAPP. CoWW spent 3 staff hours finalizing review and adding comments to the documents. These documents were then sent back to the PM to be recorded and discussed by the TAC at the next meeting.

Date: May 18, 2022
Subject: TAC Meeting #2. Taylor H-B lead the meeting from Evergreen StormH20. First item discussed was the TAC comments made on the draft version of the QAPP. CoWW questions about the ISCO Bubbler Flowmeter and it's use were satisfied when Taylor announced that the Bubbler would probably be scrubbed in favor of two wells to be constructed: one at the upstream end of the swale and the other at the downstream end. The measured difference in head between the two will provide enough information to solve Darcy's Law for velocity within the treatment layer of the swale. Doug was on the meeting and he seemed to think this would be a viable way to calculate velocity. Also cheaper, when considering renting an ISCO Bubbler.
Project appears to be on schedule and the requested feedback from the group will afford the swale to be 2-feet wide instead of 3.5 feet and reduce the costs.
Construction Package is out for review by the TAC and comments due back by June 14th. Construction Package review by Ecology in June with acceptance expected by June 30th.
Expect Construction QAPP, Pre-Con Meeting and updated schedule coming in July.

Date: June 15, 2022
Subject: TAC Meeting #3 and In-Person Site Visit to Testing Site. Chuck Geissel, from Walla Walla County, and I drove to West Richland Maintenance Yard to attend the TAC #3 meeting in person and take a look at the swale before construction starts. Meeting was run by Taylor H-B from Evergreen StormH20 and Aimee. WR O&M crews attended meeting and provided us with tour of the swale site. Also discussed plans on how the swale would be constructed, availability of types of rock for swale media and logistics for delivery, storage, washing, and liner construction. After the meeting, the group toured the Maintenance Yard where the swale will be re-constructed and the shop building to get a look at their equipment and work areas.

Date: July 26, 2022
Subject: TAC Meeting #4 Project Pre-Construction Meeting with Ecology staff and Lead and Participating Entities. I drove to West Richland to attend this meeting in person to discuss the pre-construction agenda items with the Team and with Ecology. Doug Howie and Andrea Jedel were in attendance from Ecology. Please see the Pre-Construction Meeting Agenda for the items discussed. QAPP had been reviewed and approved by Ecology. Group began discussing actual timing/sequence of constructing the swales, delivering the water, taking the samples, keeping the TSS water mixed, and other logistics. A tour of the site showed that the initial grading work had begun on the east end of the swale and WR crews outlined how they were managing setting the grades and quality control.

Date: September 13, 2022
Activity: City uploaded the final signed QAPP to Ecology's WQWebSubmittal portal.

Jurisdiction name and perr	Date incident discovered	Date beginning response	Date end response
WAR046508	2/7/2022	2/7/2022	2/9/2022
WAR046508	2/7/2022	2/7/2022	2/9/2022
WAR046508	2/8/2022	2/8/2022	2/8/2022
WAR046508	2/9/2022	2/9/2022	2/11/2022
WAR046508	5/3/2022	5/3/2022	5/3/2022
WAR046508	9/16/2022	9/16/2022	9/19/2022
WAR046508	11/17/2022	11/17/2022	11/17/2022

How was the incident disc	Discharge to MS4	Street Address or Intersect	City
Pollution hotline (phone, w	Yes, Notified Ecology	21 E Main St	Walla Walla
MS4 inspection or screeni	Yes, Notified Ecology	421 S 3rd Ave	Walla Walla
Pollution hotline (phone, w	Yes, Notified Ecology	1603 S Wilbur Ave	Walla Walla
MS4 inspection or screeni	Yes, Notified Ecology	1627 Evergreen Street	Walla Walla
Direct report to your staff	No, Cleaned Up	244 Macolm Street	Walla Walla
Construction inspection	No, Cleaned Up	46 Ransom Road	Walla Walla
Direct report to your staff	Yes, Notified Ecology	320 Coyote Ridge Drive	Walla Walla

Zip	Latitude	Longitude	Pollutants Identified
99362			Food-related oil/grease
99362			Other: Concrete slurry/sed
99362			Fuel and/or vehicle relatec
99362			Sediment/soil
99362			Sewage/septage/pet wast
99362			Fuel and/or vehicle relatec
99362			Sediment/soil

Source or Cause	Source tracing approach(e	Correction/elimination me	Field notes, explanations,
Food-related business	Observation (color/sheen/	Education/technical assis	Grease from industrial size
Construction activity	Observation (color/sheen/	Clean-up, Education/techi	Redevelopment project at
Vehicle-related business,	Observation (color/sheen/	Clean-up, Education/techi	Approximately 5 gallons of
Construction activity	Map analysis	Referred to other agency o	This construction site is co
Other: tenant reported issu	Observation (color/sheen/	Clean-up	not entered in IDDE reporti
Vehicle-related business,	Observation (color/sheen/	Clean-up	IDDE not reported in 2022
Landscape-related busine	Observation (color/sheen/	Clean-up	updating 2022 IDDE record

ed meat smoker leaked up to 5 gallons of material onto parking lot behind the building. Employees washed t
Lincoln High School (WAR310130) responsible for rack out on the east side of the project site and sediment
hydraulic fluid was spilled onto the street when a truck exited out of a convenience store gas station after re
vered under Ecology Permit WAR310767. Track out reported to Ecology inspector and to permittee. Reques

t laden wash water on the west side of the project. Permittee and ECY notified and asked to clean up and cc
efueling. City crews responded with absorbent material and street sweeper to clean up spill and prevent any
sted contractor to modify SWPPP and stop track out ASAP then clean up the sediment tracked out onto Ever

y fluid from entering catchbasins. Drainage system and outfall downstream were checked an no illicit disch

ıarge was noted.

Public Education & Outreach/Training Activities Calendar - 2022

Date(s)	Event	Presenters	Target Audience	Description
Mar 30	Bioswales & Storm Water Management Discussion with Whitman College Environmental Studies Class	Stormwater Coordinator	Approximately 20 Whitman College students	Met with students at Isaacs Ave classroom to discuss bioswales and storm water management. Discussed Pet Waste Management, Car Washing and Other Sources of Pollution that Influence Pond Design and Maintenance.
May 16-18	National Public Works Week	Stormwater Coordinator	Elementary Students from 3 Local Schools	Stormwater presentation on preventing pollution: not dumping down drains, recycle, do not litter, dispose of pet waste, wash cars on grass, sweep up spills on sidewalks or driveways. Water Cycle illustration.
Aug 3	National Night Out - Booth in Pioneer Park	Stormwater Coordinator and Walla Walla County Stormwater Group	Approximately 1,500 residents	National Night Out Celebration in Pioneer Park - provided pet waste baggies, 811 notebooks, displayed posters about simple steps to clean water, talked with residents
Jul 23	Utility bill Insert for Healthy Household Habits	Stormwater Coordinator	Resident property owners and tenants	Utility Bill insert highlighting 'Healthy Household Habits for Clean Water' including Don't Drip and Drive, proper yard waste management, pet waste management, and using a commercial car wash instead of washing your car at home.
Sept 15	Neighborhood Block Party Washington Park	Stormwater Coordinator	Approximately 200 Residents	Set up booth in Washington Park to discuss local street project on Pine Street and recycling tips
Sept 25	Utility Bill Insert for Not Polluting Storm Drains	Stormwater Coordinator	Resident property owners and tenants	Utility bill insert regarding draining pools to lawns or sanitary sewer and not to the street that storm drains outfall directly to creeks without any treatment
Nov 3	Bioswales & Storm Water Management Discussion with Whitman College Environmental Studies Class	Stormwater Coordinator	Approximately 20 Whitman College students	Met with students at Isaacs Ave classroom to discuss bioswales and storm water management. Discussed Pet Waste Management, Car Washing and Other Sources of Pollution that Influence Pond Design and Maintenance.

Attachment to City of Walla Walla 2022 Annual Report to Washington Department of Ecology
City of Walla Walla Eastern Washington Phase II Municipal Stormwater Permit #WAR046508

Question 50 – Summary of relevant SWMP and Appendix 2 Activities to Address the Applicable TMDL Parameters in S7.A

In 2022, the City of Walla Walla (CoWW) continued efforts satisfy the requirements of Permit Section S7.A. and Appendix 2 by continuing creek sampling for Fecal Coliform bacteria (FC) and by completing a portion of the plan started in 2020 to implement a pet waste education program for residents.

The CoWW coordinated with the Lab Supervisor at the City Wastewater Treatment Plant and requested their assistance in processing samples and providing test results for the FC tests. The Lab agreed to provide testing services for the samples collected. A meeting was held to discuss sampling protocols, holding times, and testing methods. A chain-of-custody document was created for the grab samples collected and submitted to the Lab for testing and ground rules for sampling were established based on field safety, lab testing availability, holding times, and COVID-19 restrictions. Two outfalls were target for sampling including: (1) Garrison Creek at Fern Avenue (STC818-013) (the downstream site) and (2) Garrison Creek at Whitman Street (STO818-030) (the upstream site). In addition, two outfall on Yellowhawk Creek were sampled the same day at: (1) Plaza Way (STO515-066-01) (the downstream site) and (2) Fern Ave (SFC617-002-01) (the upstream site). The CoWW continued to use the rainfall information collected and published by the National Weather Service (NWS) at the Walla Walla County Regional Airport (USW00024160) as the gage of record for all rainfall data collection and decision making on sampling. Both Garrison Creek and Yellowhawk Creek are diversion-source creeks that are controlled by a diversion gate owned and operated by the US Army Corps of Engineers (ACOE) located on Mill Creek just upstream of the city limits. Daily stage and flow readings are collected and logged by ACOE staff and the CoWW established a contact with the office so creek flows at the diversion could be collected by phone for any days that samples were taken at the outfalls.

Sampling was not completed during spring 2022 due to turnover in the City's Stormwater Coordinator position. However, a total of four grab samples were collected on November 1, 2022 at two separate outfall locations in an attempt to fulfill the sampling requirements. FC sampling results and the associated storm event data are summarized in Table 1 and Table 2 below.

2022

Table 1

Date	Parameter (units)	Yellowhawk @ Fern Ave		Garrison Creek @ Fern Ave	
		Outfall	Creek	Outfall	Creek
11/1/2022	FC (CFU/100mL)	440	275	430	320
11/1/2022	Turbidity (NTUs)	NDA	NDA	17	<12
		Yellowhawk @ Plaza Way		Garrison Creek @ Whitman Ave	
11/1/2022	FC (CFU/100mL)	960	370	>2000	440
11/1/2022	Turbidity (NTUs)	NDA	NDA	27	<12

*NDA = No data available

Table 2

Event Date	Flow (cfs) at Diversion	Rainfall (in) for previous 24 hrs	Rainfall (in) for previous 48hrs
11/1/2022 - GC	20.2	0.23	0.23
11/1/2022 - YC	20.2	0.23	0.23

After reviewing the results of the tests and the information summarized in Ecology Publication No. 08-10-094, *Walla Walla Watershed PCBs, Chlorinated Pesticides, Fecal Coliform, Temperature, pH, Dissolved Oxygen Total Maximum Daily Load; Water Quality Implementation Plan,* the following conclusions were made:

1. Standard operating procedures for sampling and good laboratory procedures for sample handling and testing were followed based on the sampler's and laboratory's backup documentation; therefore, the results of the tests appear to be accurate based on protocol and procedure.
2. Test results appear to be reasonable and logical by nature.
3. All FC test results from both creeks and all outfall samples were above 200 cfu/100ml which is the State Water Quality Standards for a Single Value sample. These results suggest further investigation is needed into sources of fecal coliform in Garrison Creek and Yellowhawk Creek.
4. The *Water Quality Implementation Plan* listed target reductions for Garrison Creek (at the mouth) and for Yellowhawk Creek (at the mouth) are 81 and 42%, respectively. When comparing the results of the sampling done in 2002-03 with the results from 2022, no conclusions can be made on whether any reductions in FC have been achieved. This can mainly be attributed to the lack of data.
5. The outfalls tested on Garrison Creek and Yellowhawk Creek appear to be significant contributors of FC based on the results from the one sampling event. Subsequent sampling at these outfalls will be conducted in order to establish this conclusion more firmly with additional data.
6. Turbidity measurements in Garrison Creek were relatively low and do not indicate the presence of any sources of bank erosion or construction related erosion in the reaches above the sampling locations.

Based on the sampling completed in 2022, the CoWW did not fully satisfy the TMDL monitoring requirements outlined in Appendix 2 of the Permit for 2022 due to the omitted 2nd sampling event in spring 2022. To help further reduce fecal coliform pollution in Garrison Creek and Yellowhawk Creek, the City is taking the following steps in 2023:

A. Continue participation in the WWCORSG to compare testing results and discuss what next steps can be taken to identify possible FC sources to eliminate.
B. Purchase and distribute pet waste stations for installation on walking paths in the Garrison Creek and Yellowhawk Creek basins.
C. Target existing property owners and schools in the basin with direct mailings and in-person discussions on the problems that pet waste, improper landscaping or hobby farming can create when FC sources are left unchecked. Offer on-site visits to residents and property owners who are interested in getting advice from the City on how to properly manage their property to reduce FC pollution.
D. Encourage streamside property owners to participate in a volunteer program to monitor Garrison Creek and Yellowhawk Creek during the year, collect information on turbidity, and provide more locations for City staff to access the creeks for FC sampling.

Outfall ID	Outfall Type	Outfall Configuration	Outfall Dia (in)	Pipe Material	Outfall Pipe ID	Receiving Water Body	Status	Jurisdiction	Notes
STO613-044	Pipe Outfall	Pipe Outfall to Culvert	12	Concrete	STM613-055	Garrison Creek	Active	CoWW	
STO613-043	Pipe Outfall	Pipe Outfall to Culvert	12	Concrete	STM613-060	Garrison Creek	Active	CoWW	
STO614-011	Pipe Outfall	Pipe Outfall to Creek	15	PVC	STM614-002	Garrison Creek	Active	CoWW	
STO614-013	Pipe Outfall	Pipe Outfall to Creek	8	PVC	Private	Garrison Creek	Active	Private	
STO614-AAA	Pipe Outfall	Pipe Outfall to Creek	6	RCP	Private	Garrison Creek	Active	Private	
STO714-044	Pipe Outfall	Pipe Outfall to Culvert	12	RCP	STM714-004	Garrison Creek	Active	CoWW	
STO714-043	Pipe Outfall	Pipe Outfall to Creek	18	CMP	STM714-069	Garrison Creek	Active	CoWW	
STO715-BBB	Pipe Outfall	Pipe Outfall to Creek	18	CMP	STC715-016	Garrison Creek	Active	CoWW	Outfall where Bryant C
STO715-049	Pipe Outfall	Pipe Outfall to Creek	12	RCP	STM715-002	Garrison Creek	Active	CoWW	
STO716-093	Pipe Outfall	Pipe Outfall to Creek	10	PVC	Private	Garrison Creek	Active	Private	Outfall belongs to WW
STO715-048	Pipe Outfall	PipeOutfall to Creek	12	RCP	STM715-005	Garrison Creek	Active	CoWW	
STO716-092	Pipe Outfall	Pipe Outfall to Culvert	8	RCP	STM715-008	Garrison Creek	Active	CoWW	
STO716-091	Pipe Outfall	Pipe Outfall to Creek	8	RCP	STM716-035	Garrison Creek	Active	CoWW	
STO816-030	Pipe Outfall	Pipe Outfall to Culvert	24	RCP	STM816-089	Garrison Creek	Active	CoWW	
STO716-094	Pipe Outfall	Pipe Outfall to Creek	8	RCP	STM716-106	Garrison Creek	Active	CoWW	
STO716-106	Pipe Outfall	Pipe Outfall to Creek	8	RCP	Private	Garrison Creek	Active	Private	
STO716-102	Pipe Outfall	Pipe Outfall to Creek	12	RCP	Private	Garrison Creek	Active	Private	
STO716-002	Pipe Outfall	Pipe Outfall to Creek	12	RCP	STM716-109	Garrison Creek	Active	CoWW	
STO716-100	Pipe Outfall	Pipe Outfall to Creek	12	RCP	Private	Garrison Creek	Active	Private	Outfall belongs to Prov
STO716-099	Pipe Outfall	Pipe Outfall to Creek	4	PVC	Private	Garrison Creek	Active	Private	
STO716-116	Pipe Outfall	Pipe Outfall to Creek	18	PVC	STM817-129	Garrison Creek	Active	CoWW	
STO817-081	Pipe Outfall	Pipe Outfall to Culvert	10	PVC	STM817-126	Garrison Creek	Active	CoWW	
STO817-069	Pipe Outfall	Pipe Outfall to Culvert	12	RCP	STM817-012	Garrison Creek	Active	CoWW	
STO818-034	Pipe Outfall	Pipe Outfall to Creek	12	RCP	STM818-014	Garrison Creek	Active	CoWW	
STO818-033	Pipe Outfall	Pipe Outfall to Culvert	8	RCP	STM818-061	Garrison Creek	Active	CoWW	
STO818-030	Pipe Outfall	Pipe Outfall to Creek	15	RCP	STM918-073	Garrison Creek	Active	CoWW	
STO918-077	Pipe Outfall	Pipe Outfall to Creek	12	CMP	STM818-011	Garrison Creek	Active	CoWW	
STO918-076	Pipe Outfall	Pipe Outfall to Creek	6	RCP	STM918-015	Garrison Creek	Active	CoWW	
STO918-075	Pipe Outfall	Pipe Outfall to Creek	12	CMP	STM918-002	Garrison Creek	Active	CoWW	
STO919-038	Pipe Outfall	Pipe Outfall to Culvert	12	RCP	STM919-003	Garrison Creek	Active	CoWW	
STO919-044	Inlet Outfall	Inlet Outfall to Culvert	8	RCP	Inlet	Garrison Creek	Active	CoWW	
STO919-043	Inlet Outfall	Inlet Outfall to Culvert	8	RCP	Inlet	Garrison Creek	Active	CoWW	
STO919-034	Inlet Outfall	Inlet Outfall to Culvert	8	RCP	Inlet	Garrison Creek	Active	CoWW	
STO919-033	Inlet Outfall	Inlet Outfall to Culvert	8	RCP	Inlet	Garrison Creek	Active	CoWW	
STO919-037	Pipe Outfall	Pipe Outfall to Culvert	12	PVC	STM919-013	Garrison Creek	Active	CoWW	
STO920-084	Pipe Outfall	Pipe Outfall to Creek	8	PVC	STM920-185	Garrison Creek	Active	CoWW	
STO920-005	Inlet Outfall	Inlet Outfall to Culvert	8	RCP	Inlet	Garrison Creek	Active	CoWW	
STO920-066	Inlet Outfall	Inlet Outfall to Culvert	8	RCP	Inlet	Garrison Creek	Active	CoWW	

STO920-065	Inlet Outfall	Inlet Outfall to Culvert	8	RCP	Inlet	Garrison Creek	Active	CoWW	
STO920-064	Inlet Outfall	Inlet Outfall to Culvert	8	RCP	Inlet	Garrison Creek	Active	CoWW	
STO817-AAA	Pipe Outfall	Pipe Outfall to CB	10	PVC	STM817-067	Kathy Creek	Active	CoWW	
STO818-040	Pipe Outfall	Pipe Outfall to Creek	3	PVC	Private	Kathy Creek	Active	Private	
STO515-066	Pipe Outfall	Pipe Outfall to Culvert	24	RCP	STM515-076	Yellowhawk Creek	Active	CoWW	
STO517-049	Pipe Outfall	Pipe Outfall to Creek	15	RCP	STM517-002	Yellowhawk Creek	Active	CoWW	Located on Private Pro
STO617-055	Pipe Outfall	Pipe Outfall to Culvert	12	RCP	STM617-032	Yellowhawk Creek	Active	CoWW	
STO617-057	Pipe Outfall	Pipe Outfall to Creek	8	PVC	STM617-015	Yellowhawk Creek	Active	WWCo	Discharge from Abbott
STO618-016	Pipe Outfall	Pipe Outfall to Creek	8	PVC	STM618-026	Yellowhawk Creek	Active	CoWW	
STO718-041	Pipe Outfall	Pipe Outfall to Creek	8	RCP	STM718-041	Yellowhawk Creek	Active	CoWW	This outfall pipe does r
STO718-031	Pipe Outfall	Pipe Outfall to Creek	6	RCP	STM718-028	Yellowhawk Creek	Active	CoWW	
STO719-003	Pipe Outfall	Pipe Outfall to Creek	24	CMP	STM719-001	Yellowhawk Creek	Active	WWCo	Discharge from School
STMH613-019	Pipe Outfall	Pipe Outfall to MH	12	PVC	STM613-058	Stone Creek	Active	CoWW	
STO514-050	Pipe Outfall	Pipe Outfall to Creek	8	PVC	STM514-073	Stone Creek	Active	CoWW	
STO514-049	Pipe Outfall	Pipe Outfall to Creek	8	PVC	STM514-035	Stone Creek	Active	CoWW	
STMH615-005	Pipe Outfall	Pipe Outfall to MH	12	RCP	STM615-001	Stone Creek	Active	CoWW	
STO615-061	Pipe Outfall	Pipe Outfall to Creek	10	RCP	STM615-057	Stone Creek	Active	CoWW	
STO715-047	Pipe Outfall	Pipe Outfall to Culvert	8	Clay	STM716-029	Stone Creek	Active	CoWW	
STO716-097	Pipe Outfall	Pipe Outfall to MH	6	RCP	STM716-008	Stone Creek	Active	CoWW	
STO716-107	Pipe Outfall	Pipe Outfall to Creek	6	Clay	Private	Stone Creek	Inactive	Private	
STO716-BBB	Pipe Outfall	Pipe Outfall to MH	6	RCP	STM716-007	Stone Creek	Active	CoWW	
STO716-087	Pipe Outfall	Pipe Outfall to Creek	6	RCP	STM716-069	Stone Creek	Active	CoWW	
STO717-088	Pipe Outfall	Pipe Outfall to Culvert	6	RCP	STM717-001	Stone Creek	Active	CoWW	
STO717-087	Pipe Outfall	Pipe Outfall to Culvert	18	CMP	STM717-042	Stone Creek	Active	CoWW	
STO717-082	Pipe Outfall	Pipe Outfall to Creek	12	RCP	STM717-072	Stone Creek	Active	CoWW	
STO717-100	Pipe Outfall	Pipe Outfall to MH	8	DI	STM717-117	Stone Creek	Active	CoWW	
STO717-080	Pipe Outfall	Pipe Outfall to Creek	12	CMP	STM717-070	Stone Creek	Active	CoWW	
STO717-091	Pipe Outfall	Pipe Outfall to Creek	2	PVC	NA	Stone Creek	Active	Private	
STO818-037	Pipe Outfall	Pipe Outfall to Creek	4	Steel	NA	Stone Creek	Inactive	Private	
STO817-072	Pipe Outfall	Pipe Outfall to Culvert	8	CMP	STM817-116	Stone Creek	Active	CoWW	
STO817-CCC	Pipe Outfall	Pipe Outfall to Culvert	6	RCP	STM817-120	Stone Creek	Active	CoWW	
STO817-AAA	Pipe Outfall	Pipe Outfall to CB	10	PVC	STM817-067	Mill Creek	Active	CoWW	
STO818-040	Pipe Outfall	Pipe Outfall to Creek	3	PVC	Private	Mill Creek	Active	Private	
STO913-018	Pipe Outfall	Pipe Outfall to Creek	36	RCP	STM913-026	Mill Creek	Active	CoWW	
STO814-085	Pipe Outfall	Pipe Outfall to MH	15	PVC	STM814-031	Lincoln Creek	Active	CoWW	
STO814-086	Pipe Outfall	Pipe Outfall to MH	8	PVC	STM814-061	Lincoln Creek	Active	CoWW	
STO814-090	Pipe Outfall	Pipe Outfall to MH	10	PVC	STM814-015	Lincoln Creek	Active	CoWW	STM814-014;10;PVC
STO814-087	Pipe Outfall	Pipe Outfall to MH	10	RCP	STM814-049	Lincoln Creek	Active	CoWW	STM814-013;10;RCP/S
STO814-088	Pipe Outfall	Pipe Outfall to MH	10	RCP	STM814-100	Lincoln Creek	Active	CoWW	STM814-102;10;RCP/S
STO814-091	Pipe Outfall	Pipe Outfall to MH	10	RCP	STM814-103	Lincoln Creek	Active	CoWW	STM814-081;12;RCP/S
STO815-089	Pipe Outfall	Pipe Outfall to MH	10	RCP	STM814-078	Lincoln Creek	Active	CoWW	STM814-079;10;RCP
STO815-125	Pipe Outfall	Pipe Outfall to MH	10	RCP	STM815-146	Lincoln Creek	Active	CoWW	STM815-148;10;RCP/S

STO815-126	Pipe Outfall	Pipe Outfall to MH	8	RCP	STM815-110	Lincoln Creek	Active	CoWW	STM815-111;6;RCP/ST
STO815-129	Pipe Outfall	PipeOutfall to MH	8	RCP	STM815-009	Lincoln Creek	Active	CoWW	STM815-010;8;RCP/ST
STO815-130	Pipe Outfall	Pipe Outfall to MH	8	RCP	STM815-168	Lincoln Creek	Active	CoWW	
STO815-119	Pipe Outfall	Pipe Outfall to MH	10	RCP	STM815-068	Lincoln Creek	Active	CoWW	
STO815-120	Pipe Outfall	Pipe Outfall to MH	8	RCP	STM815-097	Lincoln Creek	Active	CoWW	STM815-095;8;RCP/ST
STO815-117	Pipe Outfall	Pipe Outfall to PIPE	8	RCP	STM815-149	Lincoln Creek	Active	CoWW	
STO815-131	Pipe Outfall	Pipe Outfall to MH	8	RCP	STM815-142	Lincoln Creek	Active	CoWW	STM815-143;8;RCP/ST
STO815-127	Pipe Outfall	Pipe Outfall to MH	8	RCP	STM815121	Lincoln Creek	Active	CoWW	STM815-035;12;RCP/S
STO815-112	Inlet Outfall	Inlet Outfall to Culvert	8	RCP	Inlet	Lincoln Creek	Active	CoWW	
STO815-064	Inlet Outfall	Inlet Outfall to Culvert	8	RCP	Inlet	Lincoln Creek	Active	CoWW	
STO916-186	Pipe Outfall	Pipe Outfall to Creek	4	PVC	Private	Lincoln Creek	Active	Private	
STO916-187	Pipe Outfall	Pipe Outfall to Creek	4	PVC	Private	Lincoln Creek	Active	Private	
STO916-188	Pipe Outfall	Pipe Outfall to Creek	12	RCP	STM916-157	Lincoln Creek	Active	Private	Outfall from School Dis
ST0916-185	Inlet Outfall	Inlet Outfall to Culvert	8	RCP	Inlet	Lincoln Creek	Active	CoWW	
STO917-104	Pipe Outfall	Pipe Outfall to Creek	4	PVC	Private	Lincoln Creek	Active	Private	
STO917-105	Pipe Outfall	Pipe Outfall to Culvert	4	PVC	Private	Lincoln Creek	Active	Private	
STO917-110	Pipe Outfall	Pipe Outfall to MH	8	PVC	STM917-029	Lincoln Creek	Active	CoWW	
STO715-BBB	Pipe Outfall	Pipe Outfall to Creek	18	CMP	STM715-016	Garrison Creek	Active	CoWW	
STO715-053	Pipe Outfall	Pipe Outfall to Creek	6	PVC	STM715-058	Bryant Creek	Active	CoWW	Probably outfall from S
STO715-052	Pipe Outfall	Pipe Outfall to Creek	8	PVC	STM715-057	Bryant Creek	Inactive	CoWW	Probably outfall from s
STO715-051	Pipe Outfall	Pipe Outfall to Culvert	8	DI	STM715-053	Bryant Creek	Active	CoWW	
STO816-034	Pipe Outfall	Pipe Outfall to Creek	2	STEEL	Private	Bryant Creek	Inactive	Private	
STO816-036	Pipe Outfall	Pipe Outfall to MH	10	PVC	STC816-059	Bryant Creek	Active	CoWW	
STO816-033	Pipe Outfall	Pipe Outfall to Creek	3	PVC	Private	Bryant Creek	Active	Private	Could be irrigation inta
STO816-080	Pipe Outfall	Pipe Outfall to Culvert	6	CMP	STC817 039	Bryant Creek	Active	CoWW	
STO817-CCC	Pipe Outfall	Pipe Outfall to Creek	12	RCP	STM817-016	Bryant Creek	Active	CoWW	Incorrectly noted as a I
STO817-075	Pipe Outfall	Pipe Outfall to MH	24	RCP	STM817-115	Bryant Creek	Active	CoWW	
STO817-078	Pipe Outfall	Pipe Outfall to MH	6	PVC	STC817-113	Bryant Creek	Active	CoWW	
STO917-109	Pipe Outfall	Pipe Outfall to MH	6	PVC	STC817-112	Bryant Creek	Active	CoWW	
STO917-111	Pipe Outfall	Pipe Outfall to Creek	8	RCP	STM917-129	Bryant Creek	Active	CoWW	Outfall from Parks Avia
STO917-113	Pipe Outfall	Pipe Outfall to Creek	6	DI	STM917-128	Bryant Creek	Active	CoWW	Outfall from Parks Avia
STO917-108	Pipe Outfall	Pipe Outfall to Creek	8	RCP	STM917-130	Bryant Creek	Active	CoWW	
STO918-089	Pipe Outfall	Pipe Outfall to Creek	12	CMP	STM917-163	Bryant Creek	Active	Private	
STO914-083	Pipe Outfall	Pipe Outfall to Creek	48	RCP	STC914-102	Mill Creek	Active	CoWW	Butcher Creek Outfall t
STO914-012	Pipe Outfall	Pipe Outfall to MH	15	RCP	STM914-0040	Butcher Creek	Active	CoWW	
STO914-093	Pipe Outfall	Pipe Outfall to MH	6	RCP	STM914-016	Butcher Creek	Active	CoWW	
STO914-093	Pipe Outfall	Pipe Outfall to MH	8	RCP	STM914-087	Butcher Creek	Active	CoWW	
STO914-092	Pipe Outfall	Pipe Outfall to MH	12	RCP	STM914-098	Butcher Creek	Active	WSDOT	
STO914-092	Pipe Outfall	Pipe Outfall to MH	12	RCP	STM914-024	Butcher Creek	Active	WSDOT	
STO914-094	Pipe Outfall	Pipe Outfall to MH	12	RCP	STM914-099	Butcher Creek	Active	WSDOT	
STO914-026	Pipe Outfall	Pipe Outfall to MH	12	RCP	STM914-170	Butcher Creek	Active	WSDOT	
STO914-096	Pipe Outfall	Pipe Outfall to MH	12	RCP	STM914-062	Butcher Creek	Active	CoWW	

STO914-096	Pipe Outfall	Pipe Outfall to MH	12	RCP	STM914-085	Butcher Creek	Active	WSDOT	
STO914-096	Pipe Outfall	Pipe Outfall to MH	12	RCP	STM914-063	Butcher Creek	Active	WSDOT	
STO1015-095	Pipe Outfall	Pipe Outfall to MH	12	RCP	STM1015-026	Butcher Creek	Active	WSDOT	
STO1015-095	Pipe Outfall	Pipe Outfall to MH	15	RCP	STM1015-008	Butcher Creek	Active	WSDOT	
STO1015-096	Pipe Outfall	Pipe Outfall to MH	10	PVC	STM1015-086	Butcher Creek	Active	CoWW	
STO1015-092	Pipe Outfall	Pipe Outfall to MH	18	RCP	STM1015-013	Butcher Creek	Active	WSDOT	
STO1015-092	Pipe Outfall	Pipe Outfall to MH	12	PVC	STM1015-066	Butcher Creek	Active	WSDOT	
STO1015-091	Pipe Outfall	Pipe Outfall to MH	12	RCP	STM1015-099	Butcher Creek	Active	WSDOT	
STO1015-046	Inlet Outfall	Inlet Outfall to Culvert	8	RCP	Inlet	Butcher Creek	Active	CoWW	
STO1015-094	Pipe Outfall	Pipe Outfall to MH	6	PVC	STM1015-142	Butcher Creek	Active	CoWW	
STO1015-090	Inlet Outfall	Inlet Outfall to Culvert	8	RCP	Inlet	Butcher Creek	Active	CoWW	
STO1016-074	Inlet Outfall	Inlet Outfall to Culvert	6	RCP	Inlet	Butcher Creek	Active	CoWW	
STO1016-092	Pipe Outfall	Pipe Outfall to Creek	12	RCP	STM1016-133	Butcher Creek	Active	CoWW	
STO1016-081	Pipe Outfall	Pipe Outfall to Culvert	10	PVC	STM1016-124	Butcher Creek	Active	CoWW	
STO1016-082	Pipe Outfall	Pipe Outfall to Culvert	10	PVC	STM1016-123	Butcher Creek	Active	CoWW	
STO1016-084	Pipe Outfall	Pipe Outfall to Creek	12	RCP	STC1016-027	Butcher Creek	Active	CoWW	Where Owen Spring Cr
STO1016-083	Pipe Outfall	Pipe Outfall to Creek	12	RCP	STC1016-052	Butcher Creek	Active	CoWW	Barber Creek Outfall to
STO1016-085	Pipe Outfall	Pipe Outfall to Creek	4	PVC	Private	Butcher Creek	Active	Private	
STO1016-086	Pipe Outfall	Pipe Outfall to Creek	8	RCP	STM1016-101	Butcher Creek	Active	CoWW	
STO1016-075	Inlet Outfall	Inlet Outfall to Creek	12	PVC	STM817-067	Barber Creek	Active	CoWW	
STO1016-075	Pipe Outfall	Pipe Outfall to CB	12	PVC	STM1016-102	Barber Creek	Active	CoWW	
STO1016-075	Pipe Outfall	Pipe Outfall to CB	12	PVC	STM1016-103	Barber Creek	Active	CoWW	
STO1016-087	Pipe Outfall	Pipe Outfall to MH	8	RCP	STM1016-082	Barber Creek	Active	CoWW	
STO1017-065	Pipe Outfall	Pipe Outfall to MH	8	PVC	STM1017-031	Barber Creek	Active	CoWW	
STO1016-080	Inlet Outfall	Inlet Outfall to Creek	10	PVC	STM1016-105	Owen Spring	Active	CoWW	
STO1016-079	Inlet Outfall	Inlet Outfall to Creek	10	PVC	STM1016-104	Owen Spring	Active	CoWW	
STO1016-088	Pipe Outfall	Pipe Outfall to CB	10	RCP	STM1016-122	Owen Spring	Active	CoWW	
STO1019-085	Pipe Outfall	Pipe Outfall to Creek	10	PVC	STM1019-054	Airport Ditch	Active	CoWW	
STO1016-079	Pipe Outfall	Pipe Outfall to Culvert	8	RCP	STM1019-053	Airport Ditch	Active	CoWW	
STO1019-091	Pipe Outfall	Pipe Outfall to MH	8	RCP	STM1019-024	Airport Ditch	Active	CoWW	
STO1019-091	Pipe Outfall	Pipe Outfall to MH	20	CMP	STM1019-001	Airport Ditch	Active	CoWW	
STO1019-086	Pipe Outfall	Pipe Outfall to Culvert	8	PVC	STM1019-064	Airport Ditch	Active	CoWW	
STO1019-025	Pipe Outfall	Pipe Outfall to Creek	12	CMP	STM1119-011	Airport Ditch	Active	CoWW	
STO1119-029	Pipe Outfall	Pipe Outfall to Creek	18	RCP	STM1119-035	Airport Ditch	Active	WSDOT	
STO1118-075	Pipe Outfall	Pipe Outfall to Creek	10	RCP	STM118-072	Airport Ditch	Active	CoWW	
STO1119-024	Pipe Outfall	Pipe Outfall to Creek	24	CMP	STC119-026	Airport Ditch	Active	CoWW	
STI1119-016	Pipe Outfall	Pipe Outfall to CB	8	RCP	STM1119-007	Airport Ditch	Active	CoWW	
STO1119-031	Inlet Outfall	Inlet Outfall to Creek	12	RCP	Inlet	Airport Ditch	Active	CoWW	
STO1119-026	Inlet Outfall	Inlet Outfall to Creek	12	RCP	Inlet	Airport Ditch	Active	CoWW	
STO1119-026	Pipe Outfall	Pipe Outfall to CB	12	RCP	STM1119-044	Airport Ditch	Active	CoWW	
STO916-112	Pipe Outfall	Pipe Outfall to Creek	24	RCP		Mill Creek	Active	WWCo	College Creek Outfall t
STO916-191	Pipe Outfall	Pipe Outfall to Creek	8	PVC	STM916-093	College Creek	Active	CoWW	

STO916-099	Pipe Outfall	Pipe Outfall to Creek	8	PVC		College Creek	Active	Private		
STO916-193	Inlet Outfall	Inlet Outfall to Creek	8	RCP	Inlet	College Creek	Active	Private		
STO916-192	Inlet Outfall	Inlet Outfall to Creek	8	RCP	Inlet	College Creek	Active	Private		
STO916-181	Pipe Outfall	Pipe Outfall to Creek	4	PVC	STM916-160	College Creek	Active	Private		
STO916-095	Pipe Outfall	Pipe Outfall to Creek	8	PVC	STM916-099	College Creek	Active	CoWW		
STO1021-013	Pipe Outfall	Pipe Outfall to Creek	30	CMP	STM1021-004	Mill Creek	Active	WWCo	Titus Crek Outfall to M	
STO1021-015	Pipe Outfall	Pipe Outfall to Creek	8	PVC	STM1021-048	Titus Creek	Active	Private		
STO1021-014	Pipe Outfall	Pipe Outfall to Creek	6	PVC	STM1021-044	Titus Creek	Active	Private		
STO1021-012	Pipe Outfall	Pipe Outfall to Creek	10	PVC	STM1021-037	Titus Creek	Active	Private		
STO1021-004	Pipe Outfall	Pipe Outfall to Creek	8	PVC	STM1021-013	Titus Creek	Active	Private		
STO1021-005	Pipe Outfall	Pipe Outfall to Creek	8	PVC	STM1021-012	Titus Creek	Active	Private		
STO1021-016	Pipe Outfall	Pipe Outfall to Creek	4	Galvinzed	STM1121-019	Titus Creek	Active	Private		
STO1121-017	Pipe Outfall	Pipe Outfall to Creek	4	PVC	STM1121-018	Titus Creek	Active	Private		