

Habitat Management Plan

Cherry Street Pump Station #7 & Force Main Upgrade City of Sumner, WA



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July 2015

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1.0 Introduction

This habitat management plan has been prepared for the Cherry Street Pump Station #7 and Force Main Upgrade project (herein referenced as the Cherry Street Pump Station project or the project) in accordance with Sumner Municipal Code (SMC) 16.56.080. The Code requires a management plan for any proposed development within 1,000 feet of fish and wildlife habitat areas. These fish and wildlife habitat areas include¹:

A. Areas with which federally or state-listed endangered, threatened, or sensitive species of fish, wildlife, or plants have a primary association;

B. Areas with habitats and species of local importance, including the following:

1. Areas with which state-listed monitor or candidate species or federally listed candidate species have a primary association, and which, if altered, may reduce the likelihood that the species will maintain and reproduce over the long term;

2. Special habitat areas which may provide specific habitats which certain animals and plants require such as breeding habitat, winter range, and movement corridors;

C. Naturally occurring ponds under 20 acres and their submerged aquatic beds that provide fish and wildlife habitat;

D. Waters of the state, including all water bodies classified by the Washington State Department of Natural Resources water typing classification system as detailed in WAC 222-16-031;

E. Lakes, ponds, streams, and rivers planted with game fish by a governmental or tribal entity;

F. State natural area preserves and natural resource conservation areas. (Ord. 2071 § 34, 2003: Ord. 1546 § 1 (part), 1992)

As the proposed project will occur within 1,000 feet of the Puyallup River, a water of the state, a habitat management plan is required.

¹ SMC 16.56.050 <http://www.codepublishing.com/wa/sumner/>

2.0 Project Description

The Cherry Street Pump Station project proposes to upgrade the pump station adjacent to and south of SR410, at 70th St Ct E and directly across from Cherry Street. The existing structure's subgrade dry well will be abandoned. The wet well inlet/outlet will be reconfigured, and a new 12-foot diameter wet well submersible pump station will be constructed. It will have a pumping capacity of 1,900 gallons per minute. The force main leading to the waste water treatment plant located at the junction of the Puyallup and White Rivers will be upgraded to a 10-inch diameter line (approximately 3,150 linear feet). The force main will be installed approximately 3 – 8 feet below ground surface and will be directionally bored where it crosses the BNSF tracks and E Main Avenue.

Though the project will be within the 200-foot shoreline jurisdiction of the Puyallup River, no in-water or above-water work will be required for this project and all unimproved disturbed areas will be replanted with native vegetation. Additional shoreline area will be enhanced as mitigation for a proposed gravel maintenance access trail over a portion of the alignment (Sta. 14+20± to 29+00±). The force main will be installed approximately 100 feet north of the river, at its closest point. This work will require the removal of up to 30 deciduous trees (mostly cottonwoods). Native conifers will be planted to mitigate for the removed trees. While work will occur within portions of the designated floodway and 100-year floodplain of the Puyallup River, there will be no net fill within these areas. This project is located in Sections 23, 25, and 26 of Township 20 North and Range 4 East (Figure 1). Refer to Figures 2, 3, and 4 for details on the alignment, shoreline impacts, and project plans.

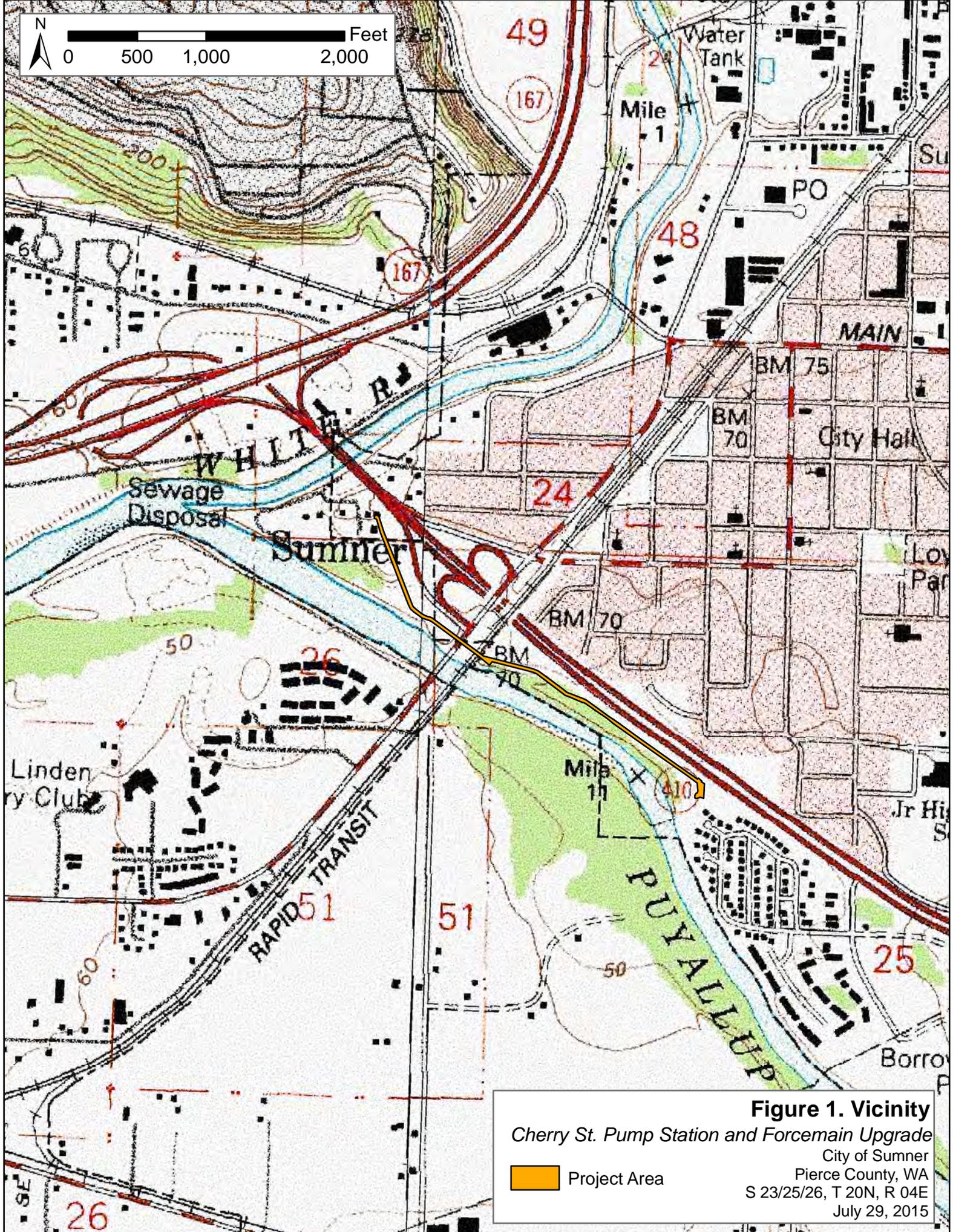
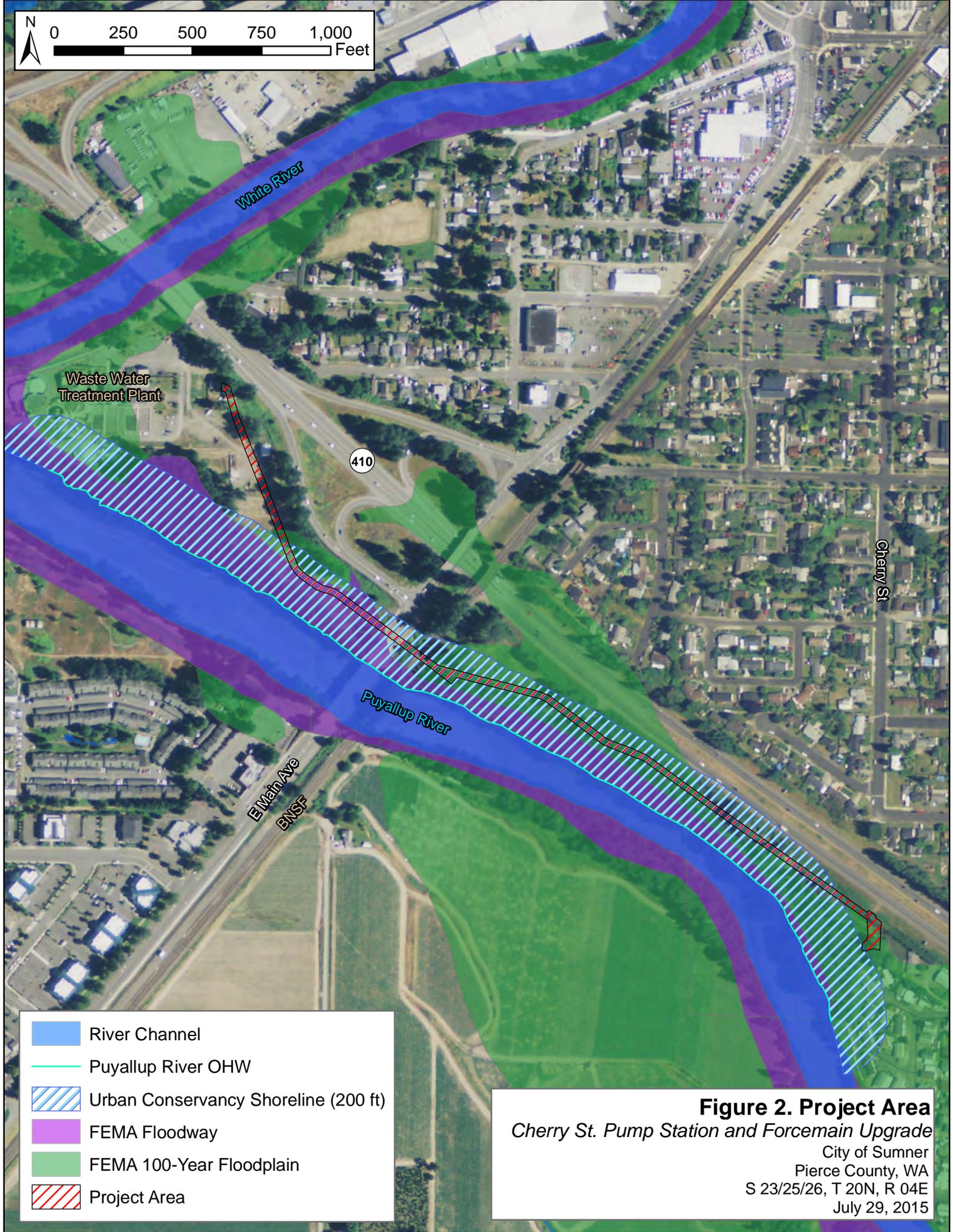


Figure 1. Vicinity
 Cherry St. Pump Station and Forcemain Upgrade
 City of Sumner
 Pierce County, WA
 S 23/25/26, T 20N, R 04E
 July 29, 2015

 Project Area

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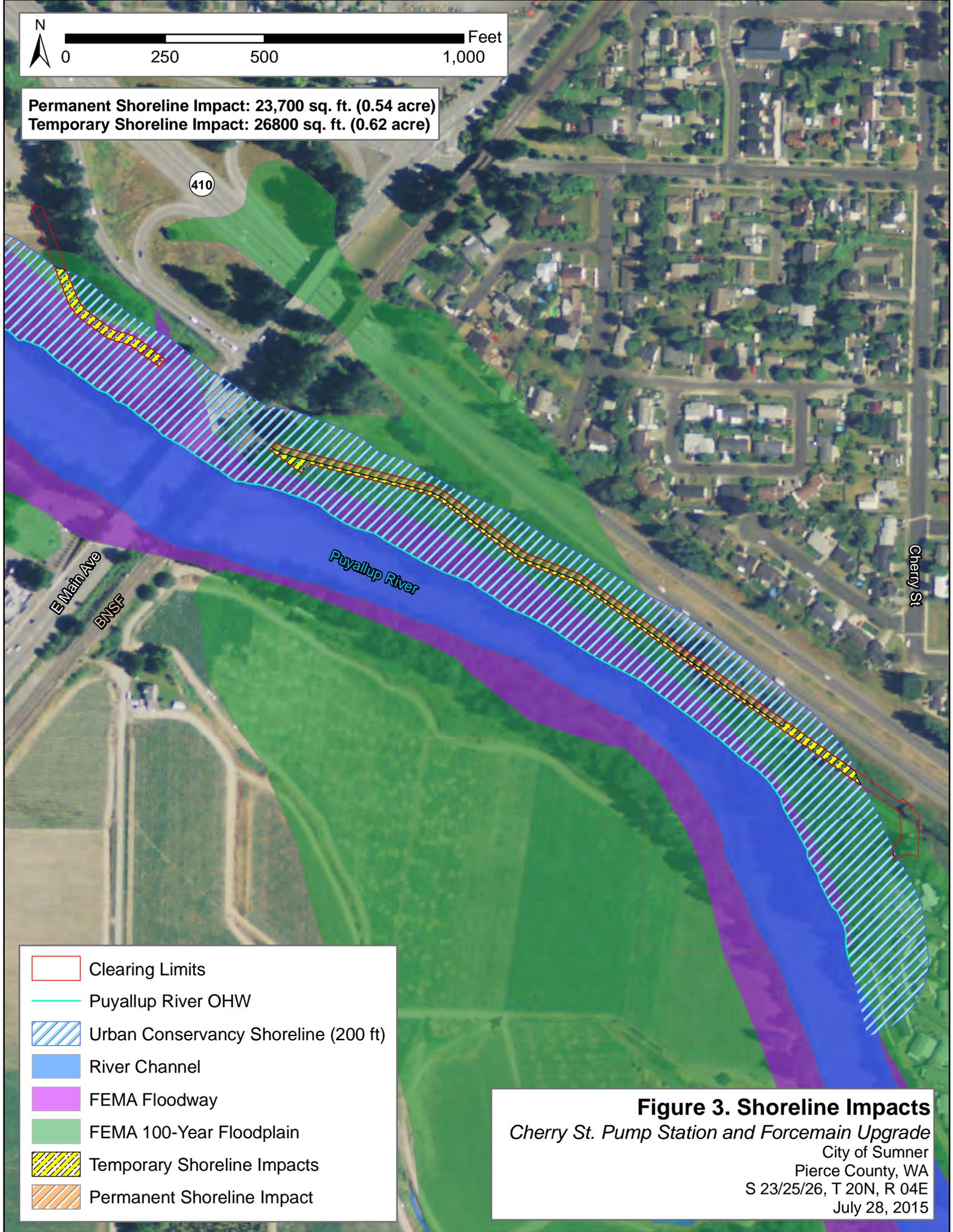
-  River Channel
-  Puyallup River OHW
-  Urban Conservancy Shoreline (200 ft)
-  FEMA Floodway
-  FEMA 100-Year Floodplain
-  Project Area

Figure 2. Project Area
 Cherry St. Pump Station and Forcemain Upgrade
 City of Sumner
 Pierce County, WA
 S 23/25/26, T 20N, R 04E
 July 29, 2015

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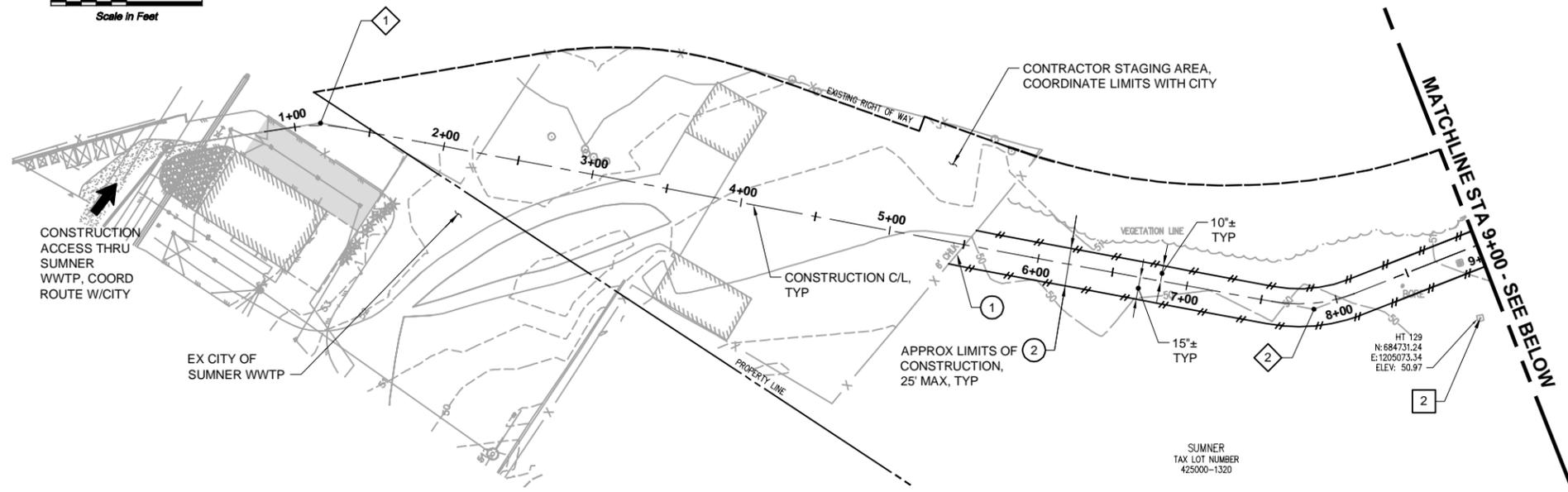
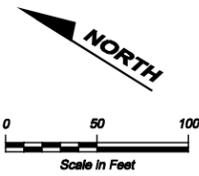
Permanent Shoreline Impact: 23,700 sq. ft. (0.54 acre)
 Temporary Shoreline Impact: 26800 sq. ft. (0.62 acre)



- Clearing Limits
- Puyallup River OHW
- Urban Conservancy Shoreline (200 ft)
- River Channel
- FEMA Floodway
- FEMA 100-Year Floodplain
- Temporary Shoreline Impacts
- Permanent Shoreline Impact

Figure 3. Shoreline Impacts
 Cherry St. Pump Station and Forcemain Upgrade
 City of Sumner
 Pierce County, WA
 S 23/25/26, T 20N, R 04E
 July 28, 2015

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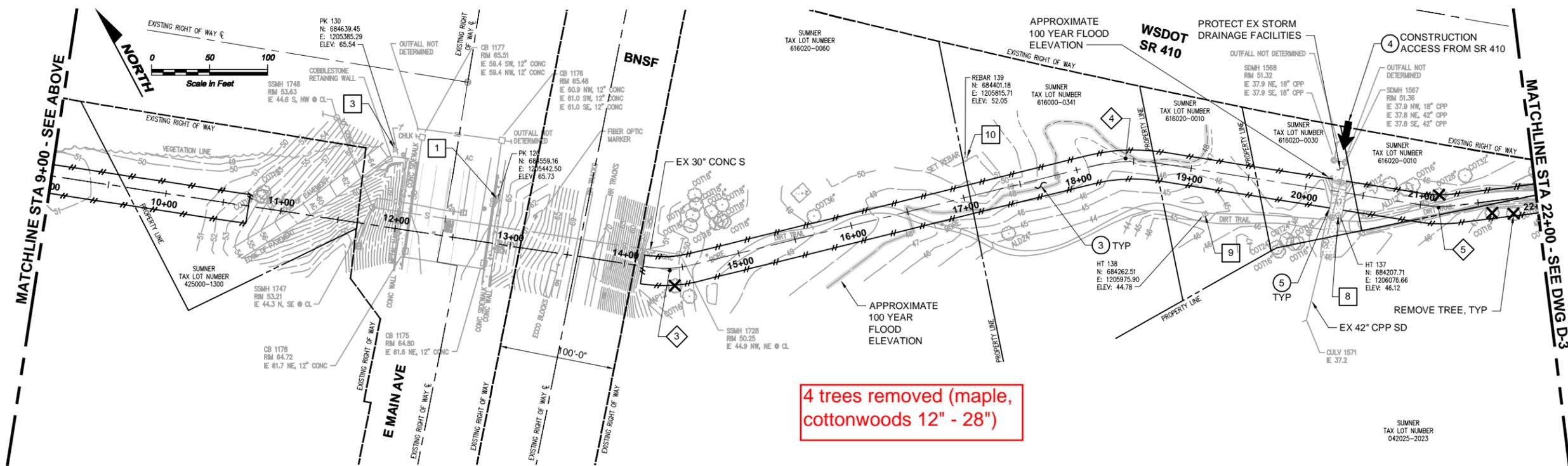


NOTES:

1. SURVEY CONTROL NUMBERS # & # SEE DWG G-4.
2. THE LOCATION OF EXISTING UTILITIES SHOWN ARE APPROXIMATE; TAKEN FROM UTILITY LOCATE MARKINGS AND/OR AVAILABLE RECORD INFORMATION. EXACT LOCATION AND DEPTH OF UTILITIES SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO AND DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES CAUSED DUE TO FAILURE TO LOCATE AND PRESERVE EXISTING UTILITIES.
3. SEE SPECIFICATION SECTION 02050 FOR ADDITIONAL DEMOLITION AND SALVAGE REQUIREMENTS.
4. SEE SPECIFICATION SECTION 01014 FOR CONSTRUCTION SEQUENCING AND CONSTRAINTS.
5. PROTECT EXISTING UTILITIES, STRUCTURES, FACILITIES, TREES, ETC. UNLESS OTHERWISE INDICATED.
6. MAINTAIN ACCESS TO SUMNER WWTP AND STORM DRAINAGE FACILITIES FOR CITY STAFF AT ALL TIMES DURING CONSTRUCTION.
7. CONTRACTOR SHALL ESTABLISH LIMITS OF EX ROW AS REQUIRED TO ENSURE LIMITS OF CONSTRUCTION ARE WITHIN CITY PROPERTY LIMITS.

CONSTRUCTION NOTES:

- 1 REMOVE 6 FOOT CHAIN LINK BARBWIRE FENCE AND REPLACE WITH TEMPORARY CHAIN LINK BARBWIRE GATE TO BE USED DURING CONSTRUCTION. LOCK GATE WHEN NOT IN USE. REPLACE FENCE TO MATCH EXISTING AT COMPLETION OF CONSTRUCTION.
- 2 CONTRACTOR SHALL ESTABLISH AND MAINTAIN LIMITS OF CONSTRUCTION BY INSTALLING SILTATION FENCE PER CITY STANDARD DETAIL SD5-9. ALL WORK SHALL BE PERFORMED WITHIN THESE LIMITS. SILTATION FENCE SHALL BE INSTALLED PRIOR TO ANY WORK WITHIN THE LIMITS AND REMOVED ONLY DURING FINAL RESTORATION OF THE AREA. THE ENTIRE AREA WITHIN THE ESTABLISHED LIMITS BY THE CONTRACTOR SHALL BE RESTORED AS NOTED ON THE CIVIL DRAWINGS. ANY WORK, EQUIPMENT ACCESS, DISRUPTION, ETC. NECESSARY OUTSIDE THE MAXIMUM NOTED LIMITS OF CONSTRUCTION SHALL BE APPROVED BY THE CITY. THE CONTRACTOR SHALL RESTORE DISTURBED AREAS OUTSIDE THE LIMITS OF CONSTRUCTION TO MATCH EXISTING CONDITIONS AND WILL NOT RECEIVE ADDITIONAL COMPENSATION FOR RESTORATION OF THESE AREAS.
- 3 THE AREA WITHIN THE CONSTRUCTION LIMITS BETWEEN APPROXIMATE STA 14+15 AND 27+50 SHALL BE CLEARED, GRUBBED, CUT, FILLED, GRADED AND SHAPED TO THE SURFACE PROFILE SHOWN ON THE CIVIL DRAWINGS.
- 4 INSTALL TEMPORARY CONSTRUCTION ACCESS PER CITY STANDARD DETAIL M-8.1/2 STARTING AT EDGE OF ROW AND EXTENDING ONTO CITY PROPERTY.
- 5 TERMINATE SILTATION FENCE AT EDGE OF GRAVEL ROAD.



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FILE NAME (UPDATED BY) DATE
 S:\VAD\SUMNER\14-10347\CHERRY ST PS-FM UPGRADE DESIGN\DWGS\14-10347_D-2-30MG_PLS
 XREFS: Aelshy, P14-10347_Dwg, Whitehouse, X14-10347_Ext, Topo-CAD, X14-10347_Prelim, Simon, X14-10347_TB

No.	Revision	Date	By	App'd

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 www.bhcconsultants.com

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 Drawn: P. Simon
 Checked: A. Schuyler, P.E.
 Approved:

Scale:
 Horiz: 1" = 50'-0"
 Vert: 1" = 5'-0"
 One Inch at Full Scale
 If Not One Inch Scale Accordingly

CITY OF SUMNER
 City of Sumner
 Public Works Department
 1104 Maple Street, Suite 260
 Sumner, WA 98390
 253-299-5700 FAX 253-299-5539

CHERRY STREET PUMP STATION #7 AND FORCE MAIN UPGRADE
**FORCE MAIN
 DEMOLITION AND CLEARING PLAN**
 STA 1+00 TO 22+00

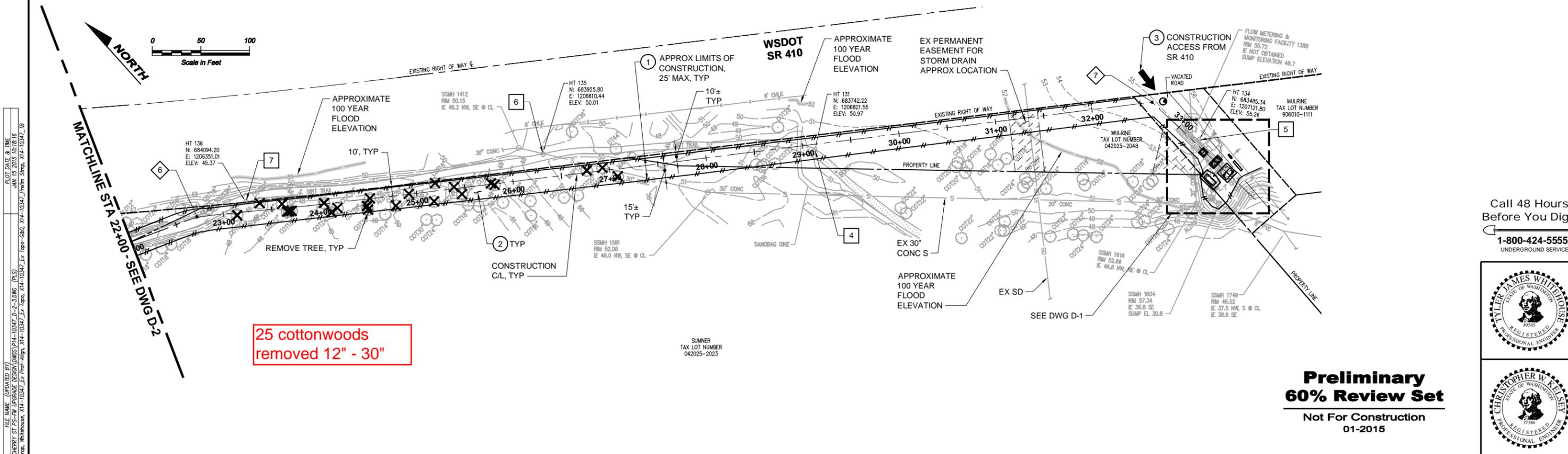
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 Date: January 2015

NOTES:

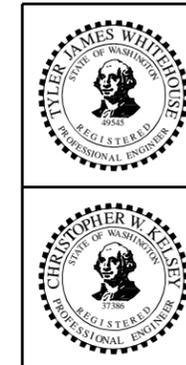
1. SURVEY CONTROL NUMBERS # & # SEE DRAWING G-4.
2. THE LOCATION OF EXISTING UTILITIES SHOWN ARE APPROXIMATE; TAKEN FROM UTILITY LOCATE MARKINGS AND/OR AVAILABLE RECORD INFORMATION. EXACT LOCATION AND DEPTH OF UTILITIES SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO AND DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES CAUSED DUE TO FAILURE TO LOCATE AND PRESERVE EXISTING UTILITIES.
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6. MAINTAIN ACCESS TO EXISTING PUMP STATION AND SITE FACILITIES FOR CITY STAFF AT ALL TIMES DURING CONSTRUCTION.
7. CONTRACTOR SHALL ESTABLISH LIMITS OF EX ROW AS REQUIRED TO ENSURE LIMITS OF CONSTRUCTION ARE WITHIN CITY PROPERTY LIMITS.

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2. THE AREA WITHIN THE CONSTRUCTION LIMITS BETWEEN APPROXIMATE STA 14+15 AND 27+50 SHALL BE CLEARED, GRUBBED, CUT, FILLED, GRADED AND SHAPED TO THE SURFACE PROFILE SHOWN ON THE CIVIL DRAWINGS.
3. INSTALL TEMPORARY CONSTRUCTION ACCESS PER CITY STD DETAIL M-8.1/2 STARTING AT EDGE OF ROW AND EXTENDING ONTO CITY PROPERTY.



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CHERRY STREET PUMP STATION #7 AND FORCE MAIN UPGRADE
**FORCE MAIN
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 STA 22+00 TO 32+50±

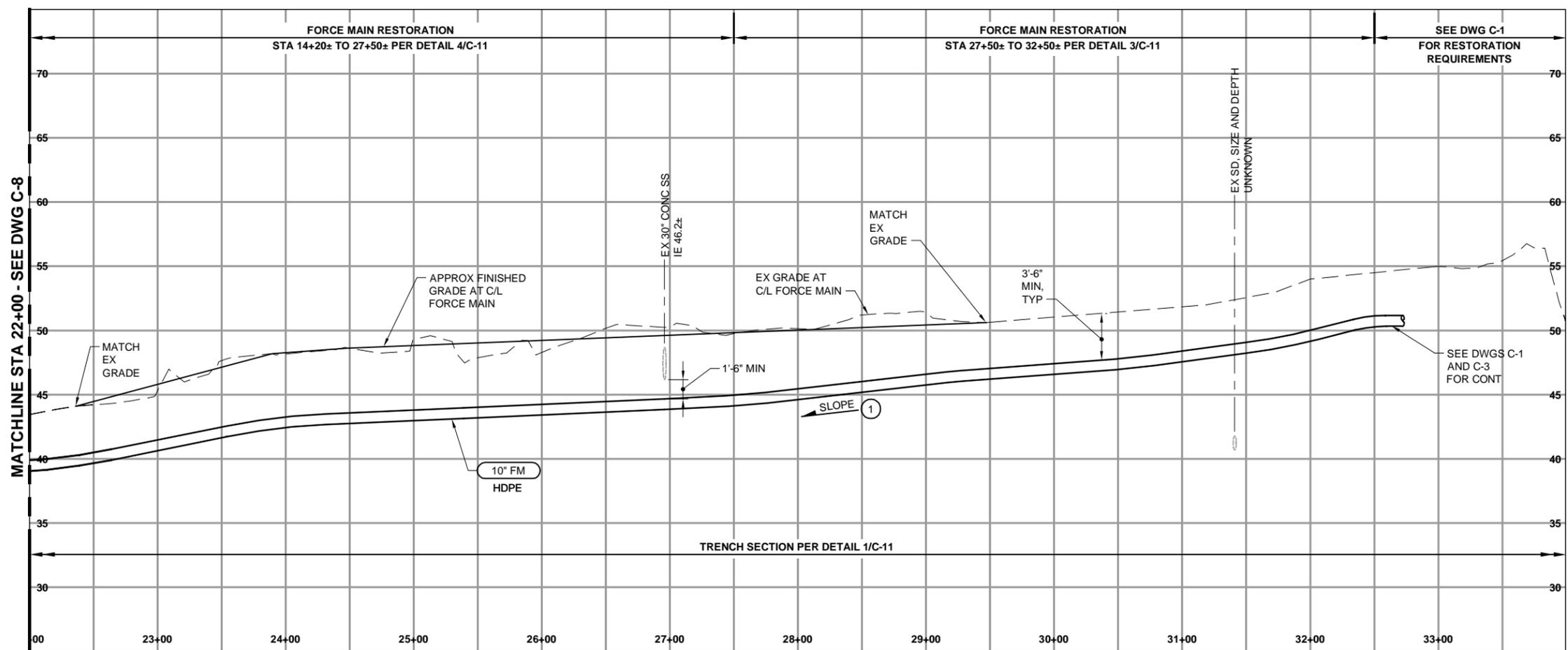
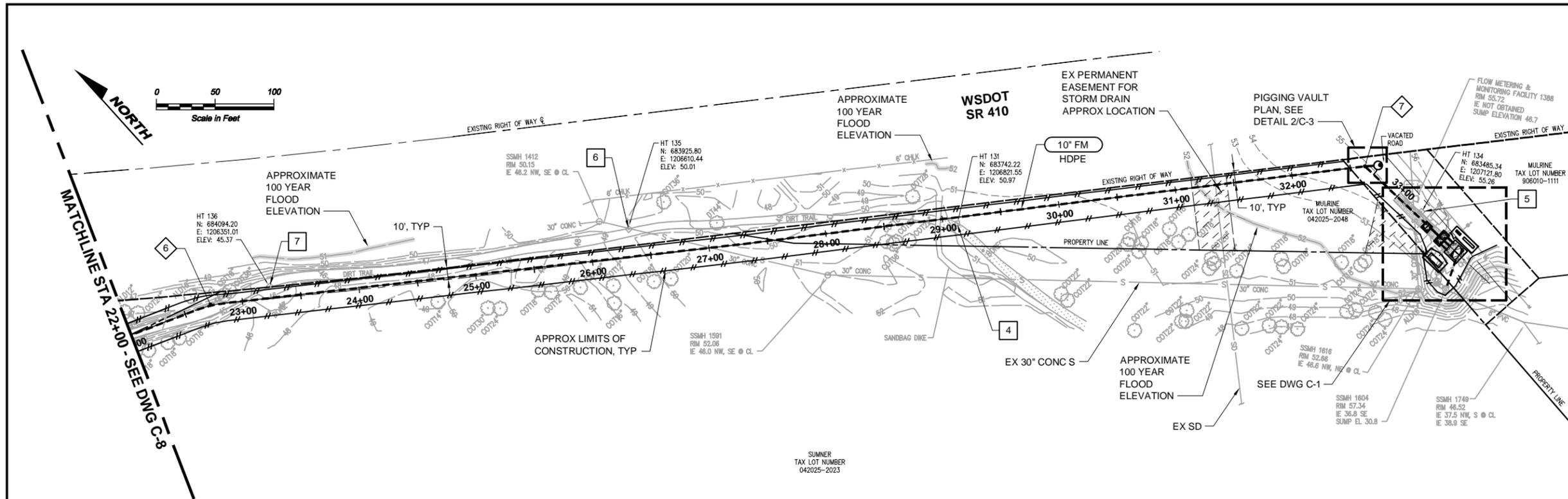
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 File: P14-10347_D-2-3
 Date: January 2015

NOTES:

1. SURVEY CONTROL NUMBERS # & # SEE DWG G-4.
2. LIMIT BEND RADIUS OF HDPE FORCE MAIN TO TWICE MFRS ALLOWABLE MINIMUM BEND RADIUS.

CONSTRUCTION NOTES:

1. INSTALL FORCE MAIN WITH GENERAL SLOPE AS SHOWN WITHOUT INTERMEDIATE SAGS OR HIGH POINTS, EXCEPT WHERE IDENTIFIED/APPROVED BY THE ENGINEER.



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FILE NAME (UPDATED BY) S:\CADD\SUMNER\14-10347\CHERRY ST PS-FM UPGRADE DESIGN\DWGS\14-10347_C-7-8-SHOWING (PLS) JAN 15 2015 12:26:12
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No.	Revision	Date	By	App'd

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Public Works Department
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CHERRY STREET PUMP STATION #7 AND FORCE MAIN UPGRADE

**FORCE MAIN
PLAN AND PROFILE
STA 22+00 TO 32+50±**

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Date: January 2015

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3.0 Existing Environmental Conditions

The project is located on the north side of the Puyallup River, near approximately river mile (RM) 10.5. The project alignment is located between the river and SR410. The river runs northwestward along the length of the project area. Surrounding areas are zoned as low density residential (8.5 and 12) according to the City of Sumner zoning map.

The pipeline alignment is situated at the top of the bank of the Puyallup River. Soils in the area consist of Pilchuck fine sand and Puyallup fine sandy loam, according to the Natural Resources Conservation Service Web Soil Survey. The geotechnical survey conducted for this project also identified some deeper coarse alluvium, non-fibrous peat, and silt.

The river at this location is buffered by an approximately 150-foot buffer of deciduous trees (primarily alders, cottonwoods, and willows).

4.0 Species and Habitat Presence

Habitat within 1,000 feet of the project area includes the Puyallup River. There are no other waterbodies (including wetlands) in the immediate vicinity.

4.1 Puyallup River

The Puyallup River is within WRIA 10 and drains an area of approximately 1,065 square miles. It originates from the Klapatche area and the Puyallup glacier on the southwest slopes of Mt. Rainier (Kerwin 1999). The river adjacent to the project area flows in a northwesterly direction outletting into Commencement Bay approximately 10.5 miles from the project area. Small segments of the Puyallup River are listed on the Department of Ecology's (DOE) List of Impaired Waterbodies as a Category 5 Water for mercury and bacteria (DOE 2012). The segment in the project vicinity is not listed. The Puyallup River Watershed has a Total Maximum Daily Load (TMDL) for fecal coliform.

Significant human alteration of the Puyallup River and surrounding habitat began in the late 1800's with major dredging activities of the lower Puyallup River. There was significant loss of estuarine habitat and function in Commencement Bay. In 1906, a major flood event caused a log jam on the White River, diverting it into the Puyallup River basin. In the years following, major channel realignment, bank stabilization, and diking projects were constructed in the lower Puyallup and by 1917, the Puyallup River relocation project was complete (Kerwin 1999). Because of flood control efforts, habitat elements such as large woody debris (LWD), habitat variety, refugia, and off channel habitat are virtually non-existent in the lower Puyallup River.

A search of the Washington State Department of Fish and Wildlife (WDFW) Priority Habitat and Species (PHS) and SalmonScape databases was conducted to identify the presence of habitats and species at the site. Salmonid species documented to utilize the Puyallup River in the project vicinity include: Chinook, Coho, Chum, and Pink salmon as well as Bull trout and Steelhead trout (WDFW 2014a, b). Of these species, Chinook salmon, Bull trout and Steelhead trout are listed under the Endangered Species Act. There no priority terrestrial habitats in or near the project.

4.2 Floodplain

The proposed project will be in portions of the floodway and 100-year floodplain of the Puyallup River as mapped by FEMA and the City of Sumner. As the project will upgrade existing facilities, it will not increase flood elevations compared to existing conditions. There will be no net fill in the floodway or floodplain as a result of this project.

4.3 Wetlands

A search of the National Wetland Inventory and City maps was conducted. No wetlands were identified within or near project limits. The project is located at the top of a steep bank leading down to the river and there are no conditions for wetland formation.

5.0 Project Effects on Fish and Wildlife Habitat

The proposed project will not require in-water work. All work will occur at least 100 feet landward of the OHWM of the Puyallup River. Therefore, little to no impacts to aquatic habitat are anticipated.

As the project will involve ground disturbing work, there is the potential of erosion and sedimentation to occur. Silt fencing will be installed to prevent sediment from sloughing down the bank where necessary.

The project will require approximately 1.5 acre of clearing. Up to 30 deciduous trees (primarily cottonwoods) will be removed for pump station and force main upgrades. These trees are far enough from the river that they do not contribute shade or leaf litter to the river.

The project will not result in a substantial increase in impervious surfaces as it only involves replacement/installation of a pipeline and pump station equipment. The areas for the wet well, vaults and electrical equipment pads will be the only impervious surfaces resulting from the project.

6.0 Minimization and Mitigation Measures

6.1 Minimization/Avoidance for Temporary Impacts

During the course of the entire project, standard best management practices (BMPs) and other minimization measures will be implemented prior to and maintained throughout construction in order to avoid or reduce impact to fish and wildlife habitat. These BMPs include, but are not limited to:

- Installation of appropriate sediment and erosion control devices where appropriate, including:
 - Silt fence
 - Straw wattle
 - Hydroseeding
- Limiting ground disturbance to the minimum amount necessary and marking clearing limits with high visibility fencing.
- Implementation of a spill prevention, control and countermeasures (SPCC) plan to ensure that all potential contaminants are properly contained and handled.
- Implementation of the stormwater pollution prevention plan (SWPPP) and monitoring requirements in accordance with the NPDES permit.
- Restoration of all temporarily impacted areas with native seed mixes and vegetation, as appropriate.
- Prevent materials, debris, and equipment from entering the water.

- Containing and properly disposing of all waste materials in accordance with federal, state, and local laws.

6.2 Mitigation for Temporary and Permanent Impacts

To mitigate for loss of vegetation, all unimproved disturbed areas will be seeded, mulched, and/or planted with native woody species as appropriate. Disturbed soils will be hydroseeded with a native upland seed mix as soon as possible. Removed trees will be replaced at a ratio of 3:1 and will include the planting of coniferous trees such as Douglas fir (*Pseudotsuga menziesii*), Western Hemlock (*Tsuga heterophylla*), and Western Red Cedar (*Thuja plicata*). They will be planted on 20-foot centers and provided with a 3-foot bark ring. Other native woody vegetation will be planted such as snowberry (*Symphoricarpos albus*), beaked hazelnut (*Corylus cornuta*), and red osier dogwood (*Cornus sericea*).

Removed trees will be kept on site and utilized as LWD within the designated shoreline as deemed suitable. This will provide improved habitat conditions in the form of cover and organic input. The installation of LWD and native plantings will provide increased opportunity for LWD recruitment, natural shading, organic litter input, bank stabilization, and habitat for small animals.

In addition to the 0.62 acre of temporarily-disturbed shoreline that will be restored, 0.54 acre of additional area outside the clearing limits for the project will be enhanced as mitigation for the 0.54 acre of shoreline permanently impacted by the proposed gravel maintenance access trail (Figure 5). This enhancement will involve initial treatment of invasive species, particularly Himalayan blackberry (*Rubus armeniacus*) and Japanese knotweed (*Polygonum cuspidatum*), followed by planting of the same native plant species utilized for the restored shoreline areas. The areas proposed for enhancement currently lack woody cover and are largely dominated by invasive species typical of disturbed areas. The proposed shoreline restoration and enhancement will result in no net loss of shoreline and floodplain habitat within the project vicinity.

6.3 Monitoring and Maintenance

All restoration and enhancement areas will be monitored for a period of ten years, or until success standards have been met. This is in accordance with the requirements of SMC 16.16.060(I)(10). Upon project completion, an “As Built” report will be submitted to the City of Sumner documenting the final design of the restoration areas. This report will include both the proposed planting plan and the “As Built” planting plan showing densities, sizes, and locations of planted vegetation as well as which nurseries supplied the plants, the time of plantings, locations of reference points established as photo points, and sampling plot locations. It will also provide an analysis of any changes to the mitigation plan that occurred during construction.

Approval of the “As Built” report will establish the beginning of the monitoring period. A site visit will be made the summer after planting and survival rates of plantings will be assessed. Formal monitoring procedures will be performed in years one, two, three, five, seven and ten after initial acceptance of the “As Built” report. Successful mitigation will be measured by attainment of the performance standards described in this habitat management plan document.

The variables that will be measured during each monitoring year include stem density of woody plants and percent cover of herbaceous, shrub, and tree strata within each established sampling plot. Photo points will also be established to create a representative view of the entire planted restoration and enhancement areas. A total of 6 photo points will be established, with photos taken in each cardinal

direction (N, S, E, and W) during each monitoring year. 2 photo points will be established in the shoreline enhancement area and 4 photo points will be established in the shoreline restoration area. Panoramic photos will also be created showing as much of the restoration areas as possible. These photos will be submitted with each monitoring report.

Sampling plots will be randomly established throughout the restoration and enhancement areas. Two plots will be randomly established in both the enhancement and restoration areas, respectively. These sampling plots will be 10 feet by 10 feet square plots demarcated in the field with a steel post as the center of the plot. Some of the plot centers will likely be used as photo points.

Formal monitoring will be performed during the growing season in years one, two, three, five, seven, and ten after approval of the “As Built” report. Monitoring reports will be submitted to the City of Sumner before the end of each monitoring year. Monitoring plans will be prepared as described in SMC 16.16.060(I)(10).

The City of Sumner Department of Public Works will be responsible for the long-term maintenance of the restoration site after the monitoring period has concluded. Site inspections will occur every 8 years at the same time the City of Sumner completes required Growth Management Act (GMA) updates per RCW 36.70A.130(5)a. Management/maintenance activities will include the inspection of mitigation site planting areas to assess plant survival with replacement as necessary. Pierce County listed noxious weeds will also be assessed and controlled as necessary. Trash will also be removed, vandalism will be repaired, and signage/fencing will be repaired/replaced as necessary. Long-term maintenance and management will be funded by the City of Sumner.

6.4 Performance Standards and Contingency Plan

6.4.1 Performance Standards

The following performance standards provide quantifiable standards to measure mitigation success. Mitigation will be deemed successful when the restoration and enhancement areas exhibit all of the Year 10 performance standards (success standards) below. In accordance with SMC 16.20.090, during monitoring years 1 and 2 all planted trees and shrubs will exhibit 100% survival. The contractor will be responsible for replacing any dead plants during these first two years. Herbaceous cover will also have attained complete coverage within one growing season. If not, any areas of bare soil will be reseeded with appropriate native species. The following performance standards will be met during each respective monitoring year:

Year 1 Performance Standards

- 100% plant survival
- 100% coverage of herbaceous groundcover
- Less than 20% aerial coverage of all noxious weeds, 0% coverage of Class A noxious weeds
- Installed habitat features secure and functioning

Year 2 Performance Standards

- 100% plant survival
- Less than 20% aerial coverage of noxious weeds, 0% coverage of Class A noxious weeds
- Installed habitat features secure and functioning

Year 3 Performance Standards

- 5 woody stems per 100 sq. ft.
- Less than 20% aerial coverage of noxious weeds, 0% coverage of Class A noxious weeds
- Installed habitat features secure and functioning

Year 5 Performance Standards

- 35% aerial coverage of woody plants (trees/shrubs)
- Less than 20% aerial coverage of noxious weeds, 0% coverage of Class A noxious weeds
- Installed habitat features secure and functioning

Year 7 Performance Standards

- 50% aerial coverage of woody plants (trees/shrubs)
- Less than 20% aerial coverage of noxious weeds, 0% coverage of Class A noxious weeds
- Installed habitat features secure and functioning

Year 10 Performance Standards/Success Standards

- 70% aerial coverage of woody plants (trees/shrubs)
- Less than 20% aerial coverage of noxious weeds, 0% coverage of Class A noxious weeds
- Installed habitat features secure and functioning

6.4.2 Contingency Plan

The following contingency actions may occur if deemed necessary to promote successful development of the site:

Failure to meet a 100 percent survival rate at any of the aforementioned sites within two years after planting will result in the following contingency actions:

Replanting will be conducted to replace all dead woody (tree/shrub) plantings.

Failure to meet the aforementioned aerial cover or stem density performance measures in a given year within planted areas will result in the following contingency actions:

A review of vegetation management will be conducted with the City of Sumner to determine a corrective course of action if the aerial coverage or stem density performance measures are not met.

Failure to meet non-native invasive species performance measures and standards in a given year at a given site will result in the following contingency actions:

The area in question will receive biological and/or mechanical weed control, and if deemed necessary, chemical applications will be made by licensed applicators with a valid aquatic endorsement in accordance with Washington State Department of Ecology guidelines.

Significant mortality due to herbivory will result in the following contingency action:

Herbivory guards will be added to any new plantings.

Any revisions to this mitigation plan will be coordinated with and approved by the City of Sumner prior to implementation.

7.0 Local Management Recommendations

In September of 2008, the National Marine Fisheries Service (NMFS) issued their Biological Opinion (BiOp) (tracking # 2006-00472) for the National Flood Insurance Program (NFIP) within the Puget Sound Region. The NFIP BiOp concluded that the Federal Emergency Management Agency's (FEMA) minimum standards for floodplain development did not adequately protect federally-listed anadromous fish species or their critical habitats. Based on this BiOp, FEMA directed local jurisdictions to review their floodplain management regulations to ensure that they are adequate to ensure that any future development within the limits of the designated 100-year floodplain will not adversely affect federally-listed species or their habitats.

In February of 2012, the City of Sumner formally requested FEMA and NMFS to confirm that the existing floodplain development regulations in the City of Sumner's municipal code (SMC) are adequate to satisfy the conditions of the BiOp. FEMA confirmed that the revisions to SMC 16.56, that were developed in response to the Section 7 consultation on the SR 167: North Sumner Interchange Project, would satisfy the conditions of the NFIP BiOp. These changes to SMC 16.56 in 2003 included the requirement for habitat management plans within 1000 feet of designated fish and wildlife habitat areas. Therefore, the preparation and implementation of this habitat management plan document satisfies the NFIP BiOp.

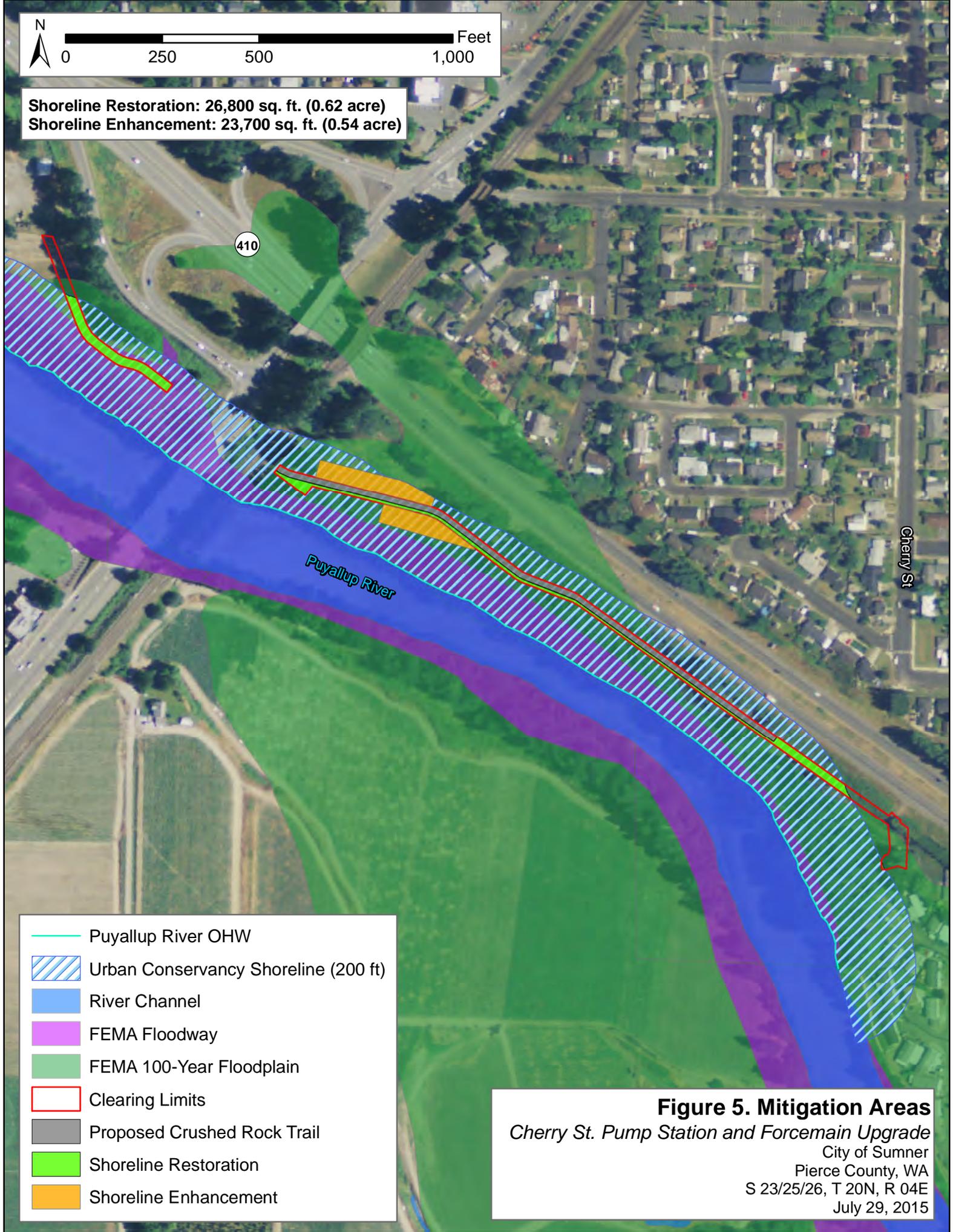
In addition, as work will occur within the designated 200-foot Urban Conservancy shoreline environment of the Puyallup River, the project will comply with all relevant sections of the City of Sumner's Shoreline Master Program (SMP). The SMP allows non-water-dependent utility construction within the Urban Conservancy shoreline as a conditional use provided that the project complies with the variance and conditional use criteria in Parts III(A)(3) and III(B)(4) of Chapter 8 of the SMP and the utility-specific policies and regulations in Part XXI of Chapter 7 of the SMP. These criteria have been addressed in the variance and conditional use permit application for the proposed project.

8.0 Conclusion

The proposed project is not anticipated to have an adverse impact on fish and wildlife habitat or any sensitive species. This project will not involve any in-water or over-water work as all activities will occur at least 100-feet landward of the OHWM. There are no sensitive terrestrial species known to occupy the area within 1,000 feet of the project. Appropriate temporary sediment and erosion control BMPs and construction measures will be implemented and maintained throughout construction to minimize/prevent indirect impacts to the Puyallup River. There will be no impact to wetlands as there are none in the project vicinity. All unimproved disturbed areas will be restored upon project completion and additional area will be enhanced as mitigation for permanent impacts. Habitat value will be improved with the planting of native conifers and shrubs in the unimproved disturbed areas and enhanced areas within the shoreline jurisdiction.



Shoreline Restoration: 26,800 sq. ft. (0.62 acre)
 Shoreline Enhancement: 23,700 sq. ft. (0.54 acre)



-  Puyallup River OHW
-  Urban Conservancy Shoreline (200 ft)
-  River Channel
-  FEMA Floodway
-  FEMA 100-Year Floodplain
-  Clearing Limits
-  Proposed Crushed Rock Trail
-  Shoreline Restoration
-  Shoreline Enhancement

Figure 5. Mitigation Areas
 Cherry St. Pump Station and Forcemain Upgrade
 City of Sumner
 Pierce County, WA
 S 23/25/26, T 20N, R 04E
 July 29, 2015

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