



North Mercer Island Interceptor and Enatai Interceptor Upgrade Project

Arborist Report: Mercer Island

Final





Arborist Report: Mercer Island

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PREPARED FOR

King County Department of Natural Resources and Parks Wastewater Treatment Division

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CONTENTS

Summary	viii
1. Assignment & Scope of Report	1-1
2. Project Overview	2-1
3. Data	3-1
3.1 Tree Inventory	3-1
3.2 Tree Removals In Shorelands and Critical Areas	3-2
3.3 Tree Removal & Replacement (WSDOT Right of Way)	3-3
3.4 Tree Removal & Replacement (COMI, KC Parcels, Private Property)	
3.5 Exceptional Trees.	3-8
4. Discussion	
4.1 Replacement Tree Sizes	4-1
4.2 Replacement Species	4-1
4.3 Tree Protection	4-1
References	1

Appendices

Appendix A. Methods

Appendix B. Tree Size Specifications for Planting

Appendix C. Mercer Island City Code 19.10.070: Tree Replacements

Appendix D. Tree Protection Specifications

Appendix E. Assumptions & Limiting Conditions

Appendix F. Tree Maps & Tables

Tables

Table 1. Tree Removal Summary by Jurisdiction	viii
Table 2. Tree Removals within Shorelands and Critical Areas	3-2
Table 3. Tree Replacement Requirements (WSDOT Right of Way)	3-4
Table 4. Tree Replacement Alternatives (WSDOT Right of Way)	3-6
Table 5. Tree Replacement Requirements (COMI, KC Parcels, Private Property)	3-7
Table 6. Exceptional Tree Removals (KC, COMI, Private Property)	3-8
Table 7. Specifications for Type 1 Shade Trees	1
Table 8. Specifications for Shrub form and multi-stem trees (spreading habit)	
Table 9. Specifications for Type 4 Conifers	

H			re	9
	ч	u		J

ACRONYMS / ABBREVIATIONS / DEFINITIONS

Acronym or	
Abbreviation	Definition
Caliper	Tree diameter measured 6 inches above grade
COMI	City of Mercer Island
CRZ	Critical root zone (see RLOD)
DSH / DBH	Diameter at standard height / Diameter at breast height; the diameter of the trunk measured 54 inches (4.5 feet) above grade; if multiple stems, single-stem equivalent is used for replacement calculations per Plant Appraisal Guide
Exceptional Tree	A tree measuring 36" DSH or greater or with a diameter that is equal to or greater than the diameter listed in the Exceptional Tree Table (MICC 19.16.010)
Exceptional Grove	A group of eight or more trees each 10 inches or more in diameter that form a continuous canopy. Trees that are part of a grove shall also be considered exceptional trees, unless they also meet the definition of a hazardous tree. (MICC)
ISA	International Society of Arboriculture
KC	King County (Wastewater Management)
Large Tree (regulated)	A tree measuring 10 inches or greater DSH (MICC)
LOD	Limits of Disturbance
MICC	Mercer Island City Code
MLOD	Minimum Limits of Disturbance represents a distance five (5) times that of the trunk and is the minimum distance from a trunk that a structural root can be cut on one side of a tree to maintain tree stability.
OHWM	Ordinary High Water Mark
RLOD	Recommend Limits of Disturbance: As outlined in <u>ISA Best Management Practices: Managing Trees During Construction</u> , this is calculated as a radial distance 8 times the trunk diameter. Some cases require 12 times the trunk diameter. For the purpose of this report, this represents the critical root zone (CRZ).
TPZ	Tree Protection Zone
WSDOT	Washington State Department of Transportation

SUMMARY

This project proposes to install a new sewer line along the north end of Mercer Island, traveling along city and state rights-of-way, as well as through some private property. Facility upgrades of the North Mercer Pump Station (NMPS) and open-cut and cover trenching will require tree removals. In most cases, trees removed will be replaced in-kind per requirements set forth by Washington State Department of Transportation (WSDOT) and the City of Mercer Island (COMI). Table 1 summarizes the proposed removals and replacement requirements below.

Table 1. Tree Removal Summary by Jurisdiction				
	Tree Removals (Qty)	Replacements Required (Qty)		
COMI Right-Of-Way				
Exceptional	1	6		
10"-24"	23	46		
6" - 10"	22	22		
<6"	8	0		
Dead snag	1	0		
PRIVATE (King County Parcel)				
Exceptional	2	12		
Exceptional - Grove	5	30		
Large Tree (Regulated) >10"	17	34		
<10"	5	0		
PRIVATE (Other)				
Exceptional	2	12		
Exceptional - Grove	9	54		
<10"	4	0		
Large Tree (Regulated) >10"	8	17		
WSDOT				
Category 2	245	2414		
Category 3	24	0		
Early successional species (no replacement required)	4	0		
Street Tree	68	68		
Dead snag	30	0		
Total	478	2715		

Replacement size is based on jurisdiction requirements. WSDOT: 1 gal, WSDOT Street trees: 2.5" caliper, COMI: 6' conifer or 1.5" deciduous. Quantities may be reduced if larger plants are installed.

Tree protection will be required throughout the project for trees not being removed. Techniques may include tree protection fencing, signage, mulch, supplemental irrigation and root pruning, and will be included in the project specifications.

This report is preliminary and is intended to help guide the design process. The project is currently at the 90% design completion phase and tree protection and tree retention continues to be assessed as construction documents are developed. Some trees marked as 'PROTECT" may not be feasibly retained, and trees with proposed construction within the recommended limits of disturbance (RLOD) will continue to be re-assessed for construction impacts on a case by case basis.

1. ASSIGNMENT & SCOPE OF REPORT

This report outlines the site inspection and data collected by Tree Solutions Inc on the following dates:

January 2,2018 January 3, 2018 January 11, 2018 January 16, 2018 April 4, 2018 April 26, 2018 May 17, 2018 November 30, 2018 December 11, 2018, December 19, 2018, and May 31, 2019.

We were asked to evaluate the trees on site, within 20 feet of proposed disturbance, according to 30% design drawings and tree regulations set forth by COMI and WSDOT. We were asked to collect additional data following the alignment adjustments documented on the 60% design drawings provided to us by Jacobs, and additional staging locations provided by Tetra Tech. We were asked to produce an Arborist Report documenting our findings, to satisfy permitting requirements by COMI and WSDOT during the permitting process.

Specifics for each tree can be found in Appendix F.

A site map in Appendix F shows tree locations and proposed removals.

2. PROJECT OVERVIEW

The North Mercer Island Interceptor Project is managed by the King County Wastewater Treatment Division and spans the north end of Mercer Island, WA and southwest portion of Bellevue, WA.

The project includes an upgrade to the NMPS and a proposed upgrade to Mercer Island Lift Station 11. It also includes installation of a new dual force main running southeast along residential streets between the NMPS and the I-90 trail, as well as along the I-90 trail until the end of 90th Pl. A new gravity sewer is proposed along the I-90 trail from 90th Pl to SE 35th Pl, connecting to a new sewer line crossing the East Channel to the Enatai Interceptor in Bellevue, which will be relined. See Figure 1 below for overview.

Some of these sewer lines are on public property or within the right of way managed by the COMI, and some are within the right of way managed by WSDOT. A small portion of the sewer lines will be on private property.

Disturbance from construction on this project will include trenching (6 to 8 feet wide trenches for new lines), regrading at the NMPS, repaving, construction access, and material staging. Impacts to the landscape will include tree and shrub removal, root cutting, tree clearance pruning, soil compaction, and landscape restoration (replanting).

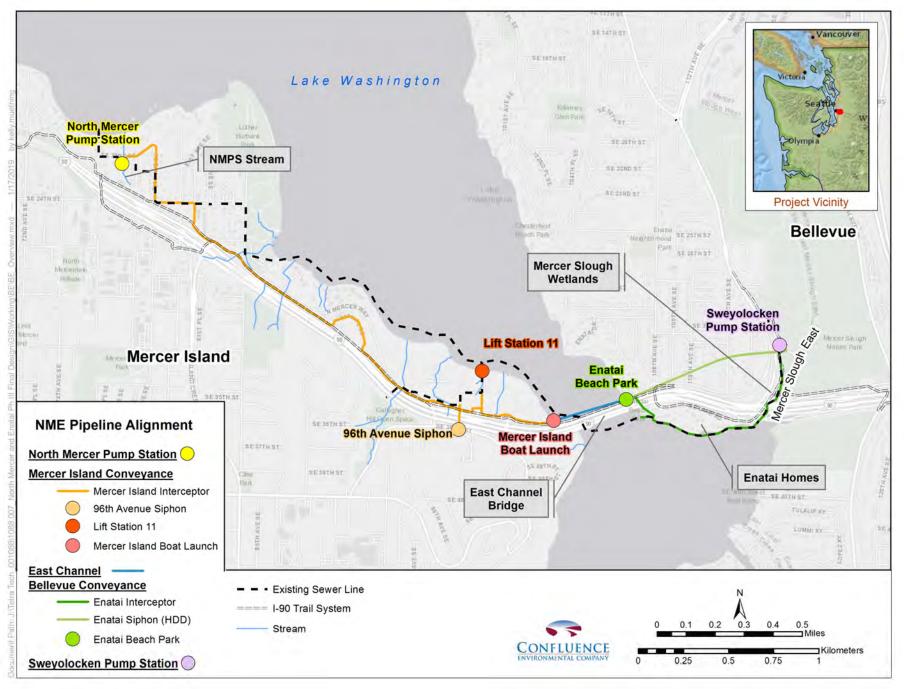


Figure 1. Key Map

3. DATA

3.1 TREE INVENTORY

We assessed all trees within 20-feet of the proposed sewer alignment as drawn on the 30% design drawings dated December 1, 2017. We also assessed all trees on the NMPS parcel, and trees within 5 feet, or with overhanging canopy, of three potential staging areas. To date, we have assessed 1159 trees. We assessed trees on private property from the public right of way except for 3508 96th Ave SE, and 9960 SE 35th Pl where permission to enter the property was specifically given to us.

WSDOT trees are separated into four categories¹:

- 1. Category 1: Mature, old-growth, large specimen or heritage trees >30 inches DSH
- 2. Category 2: Moderate size trees (excluding alder and cottonwood) with DSH between 4 and 30 inches
- 3. Category 3: Small-size trees (excluding alder and cottonwood) with DSH <4 inches
- 4. Street Trees: Specifically identified by WSDOT Landscape Architect

WSDOT street trees are defined as "the first row of trees that parallel a road, trail or plaza to accentuate the pavement edge/provide user guidance, have an upright branching pattern to provide adequate vertical room for vehicles and bicyclists, provide canopy over the pavement, and typically have consistent spacing and setback along the pavement."²

Within the WSDOT right of way, we documented all category 1 and 2 trees, and all street trees. We did not document shrubs or Category 3 trees unless they were multi-stemmed with significant diameters that, after calculation of single-stem equivalent diameter, might qualify as a category 2 tree. We did document general locations where landscape beds were void of vegetation or where there was a high mortality rate of standing trees. These are noted on the attached site plan and can aid in identifying new planting locations, as well as avoiding staging and construction access points in these areas.

Since the time of our initial assessment, we have noticed that many trees have been removed by Mercer Island Parks crews (the entity responsible for maintaining vegetation along the I-90 trail) in an effort to remove dead trees and thin thick stands of conifers. This arborist report may not reflect recent tree removals along the trail or elsewhere in the project area.

Within the COMI right of way, at the City's request, we documented all trees equal to or greater than 6 inches.

On private property, we documented all regulated trees as defined by Mercer Island City Code (MICC 19.16.010). This includes all large trees 10 inches or greater in diameter and any tree that meets the definition of exceptional.

¹ Category 1, 2, and 3 trees are defined in WSDOT Roadside Policy Manual M 3110.03, dated August 2015

² Language in proposed WSDOT Roadside Policy Manual currently under revision, provided by WSDOT Landscape Architect

3.2 TREE REMOVALS IN SHORELANDS AND CRITICAL AREAS

Mercer Island recently adopted a new Critical Areas Ordinance (CAO) and Shoreline Master Plan (SMP), which went into effect July 31, 2019. As part of the CAO, trees proposed for removal must be identified if they are within shorelands and/or critical areas. Critical areas include fish streams, seasonal streams, perennial streams, stream buffers, landslide hazard areas (steep slopes, shallow landslide hazard areas, deep-seated landslide hazard areas), landslide hazard area buffers, and seismic hazard areas. Additional information discussing these critical areas can be found in the Critical Area Study (CAS).

Quantities of proposed tree removals within shorelands and within critical areas are summarized in Table 2. Removal quantities are according to 90% design drawings dated July 2019 and include all regulated trees on WSDOT, COMI and private property in addition to some smaller trees. Dead trees are listed for removal if they are within the limits of construction or within 5 feet of work limits. Details of tree removals within each critical area can be found in the Tree Management Plan (TMP).

Table 2. Tree Removals within Shorelands and Critical Areas				
	Total Removals (by area)	Trees Removals in: Shorelands ^a	Trees Removals in CRITICAL AREAS ^b	
Burgess Easement 3508 96 th Ave. SE, Mercer Island				
PRIVATE Exceptional	1			
PRIVATE Exceptional - Grove	9		9	
PRIVATE Large Tree (Regulated) >10"	6		2	
PRIVATE <10"	6		6	
I-90 Trail				
PRIVATE Exceptional	1			
PRIVATE Large tree >10"	3			
COMI 10"- 24"	18		17	
COMI 6" - 10"	11		11	
COMI <6"	2		1	
WSDOT Street Tree	65		39	
WSDOT Category 2	236	18	171	
WSDOT Category 3	24		5	
WSDOT Early successional species	4		3	
Dead snag	30		21	
Lift Station 11				
COMI Exceptional	1	1	1	
MI Boat Launch				
WSDOT Street Tree	3	3		
WSDOT Category 2	8	7		
North Mercer Pump Station				
PRIVATE Exceptional	2		2	
PRIVATE Exceptional - Grove	5		5	
PRIVATE Large Tree (Regulated) >10"	17		17	
PRIVATE <10"	6		6	

	Total Removals (by area)	Trees Removals in: Shorelands ^a	Trees Removals in CRITICAL AREAS ^b
Streets / Right of Way			
COMI 10"- 24"	4		2
COMI 6" - 10"	11		
COMI <6"	3		
WSDOT Category 2	1		1
Dead snag	1		

a. Shorelands are defined as 200 feet landward of the ordinary high water mark (OHWM) along the shoreline of Lake Washington.

Some trees may have already been removed by the Mercer Island Parks Department as part of normal maintenance along this alignment.

3.3 TREE REMOVAL & REPLACEMENT (WSDOT RIGHT OF WAY)

Within the WSDOT right of way, vegetation and soil is required to be preserved to the greatest extent feasible. Where it is not practical, WSDOT requires restoration of the disturbed area. This includes restoring soil and replacing smaller vegetation³. It also includes tree replacement for all WSDOT street trees, trees greater than 30 inches diameter at standard height (DSH), and trees (with the exception of red alders, willow and black cottonwood) larger than 4 inches that will be removed.

We did not conduct a comprehensive inventory of trees less than 4 inches. Therefore, we omitted any replacement calculations for Category 3 trees. However, all areas within the WSDOT right of way must be revegetated if vegetation is removed.

These requirements are based off of the replacement ratio stated in WSDOT Roadside Policy Manual last revised in August 2015, and from conversations with the current WSDOT Landscape Architect, who provided information regarding street tree definitions. WSDOT intends to include street tree designations in their next revised Roadside Policy Manual and implement them on this project. See Table 3 for replacement ratios.

b. Critical areas include Fish Stream Buffers (within 120 feet of OHWM), Perennial and Seasonal Streams and Stream Buffers (within 60 feet of OHWM), Landslide Hazard Areas (steep slopes, deep-seated landslide hazards and shallow-seated landslide hazards) and Landslide Hazard Buffers, and Seismic Hazard Areas. Some trees may be located in both shorelands and critical areas.

³ WSDOT Roadside Policy Manual M3110.03, dated August 2015

Table 3. Tree Replacement Requirements (WSDOT Right of Way)					
Classification ^a	Diameter of Removed Tree (inches)	Replacements Required (Qty of 1 gal)	Alternative Replacements Required (Qty of 2 gal) ^c	Alternative Replacements Proposed (Oty of 5 gal) ^d	Street Trees Replacements Required (Qty of 2.5" caliper)
Category 1	>30	to be determined ^b			
Category 2	4	4	2	1	
Category 2	5	5	2.5	1.25	
Category 2	6	6	3	1.5	
Category 2	7	7	3.5	1.75	
Category 2	8	8	4	2	
Category 2	9	9	4.5	2.25	
Category 2	10+	10+	5+	2.5	
Category 3	n/a	1 <i>e</i>			
Street Tree	n/a				1

a. Category 1: Mature trees >30" DSH, Category 2: Moderate-size trees with DSH between 4 and 30", Category 3: Small trees < 4" DSH, Street Tree as designated by WSDOT Landscape Architect. Early successional species such as red alder (*Alnus rubra*), willow (*Salix spp.*) and black cottonwood (*Populus trichocarpa*) only require replacements if they are category 1 or street trees.

All replacement quantities will be rounded up to the nearest integer.

Replacement tree quantities for proposed tree removals within the WSDOT right of way are listed in

b. Category 1 tree replacement requirements (quantity and size) to be determined by HQ Design Landscape Architect.

c. Category 2 trees should be replaced at a ratio of one 1-gallon replacement tree for each 1-inch of trunk diameter. The quantity of required replacements for Category 2 trees can be reduced if the size of nursery stock is increased.

d. Alternative replacement quantities proposed if 5 gallon trees are planted into permanently irrigated landscape.

e. Category 3 trees should be replaced using a 1:1 ratio, following BMPs for restoration of disturbed areas. Planted material may be a mix of trees and shrubs.

Table 4. Dead and living trees are listed for removal, but only living trees removed (regardless of condition) require replacements.

While Mercer Island requires larger replacement trees be planted, WSDOT requires a greater quantity of replacement trees. Therefore, for calculations purposes, I assumed that any tree on a WSDOT/COMI property line would be subject to the larger quantity tree replacement requirement.

Table 4. Tree Replacement Alternatives (WSDOT Right of Way)					
	Removals (Qty)	Replacements required (Qty of 1 gal)	Alternative Replacements required (Qty of 2 gal)	Alternative Replacements proposed (Qty of 5 gal)	Street Trees Replacements required (Qty of 2.5" caliper)
WSDOT					
Category 2	245	2,414	1,207	603.5*	
Category 3	24				
Early successional species (no replacement required)	4				
Street Tree	68				68
Dead snag	30				
Total	371	2414	1207	603.5*	68

^{*} All replacement quantities will be rounded up to the nearest integer.

If construction plans change and tree removals are proposed, replacement plantings will be required. When developing the replacement planting plan within WSDOT right of way, preference should be given to long-lived and low-maintenance native plant species. Plant diversity, pollinator habitat, and wildlife food sources should also be considered.

WSDOT requires replacement plantings be within the area disturbed by construction or within the area disturbed by this project, when appropriate.

Otherwise tree planting should mitigate tree canopy loss in the following locations:

- 1. Plant trees in locations that do not currently have trees:
 - i. On two undeveloped WSDOT properties on the west and east sides of El Dorado Beach Club Drive
 - ii. On an unimproved area on the south side of the First Hill Lid between 72nd Ave SE and 74th Ave SE
- 2. Within WSDOT Resource Conservation Areas
- 3. Within WSDOT right of way along the same highway corridor, in coordination with existing Maintenance Integrated Vegetation Management Plan
- 4. Within WSDOT right of way along another highway within the same region where areas are available for planting or protection

A minimum of three years of plant establishment work is required for all planted areas. Plant establishment includes caring for all new plants and all planting and seeding areas within the project limits to ensure continued healthy growth to achieve a sustainable condition prior to transfer to maintenance staff. This includes weed control and irrigation. Permanent irrigation should be replaced or repaired in these areas.

Plant establishment work must be funded and performed by the project through a signed agreement with WSDOT.

As an alternative to replanting, WSDOT now has a tree mitigation program that allows for projects to fund replacement tree plantings elsewhere in the WSDOT right of way. This typically is about \$300 per DSH of impact⁴.

3.4 TREE REMOVAL & REPLACEMENT (COMI, KC PARCELS, PRIVATE PROPERTY)

Trees growing on private property or within the city right of way on Mercer Island, are subject to replacement requirements as stated in the MICC 19.10.070 (see Table 5).

Table 5. Tree Replacement Requirements (COMI, KC Parcels, Private Property)		
Diameter of Removed Tree	Replacements Required (Oty of 6' conifer / 1.5" caliper deciduous / \$500)	
Less than 10 inches*	1	
10 - 24 inches	2	
24 - 36 inches	3	
> 36 inches	6	
All exceptional trees	6	

^{*}Trees of this size require replacement on private property only if they were initially planted as required replacement trees and have not yet reached 10 inches. COMI right of way trees >6" will likely require a 1:1 replacement as well, pending confirmation from city staff.

Replacement trees must be located in the following order of priority from most important to least important:

- 1. On-site replacement adjacent to or within critical tree areas as defined in Chapter 19.16 MICC;
- 2. On-site replacement outside of critical tree areas adjacent to other retained trees making up a grove or stand of trees:
- 3. On-site replacement outside of critical tree areas; and
- 4. Off-site in adjacent public right of way where explicitly authorized by the city.

Replacement trees shall primarily be those species native to the Pacific Northwest and shall be at least six-feet tall if coniferous, and 1.5-inches caliper if deciduous. The city arborist may authorize the planting of smaller-sized replacement trees if quantities are increased and the replanting plan meets the intent of Mercer Island's tree code. Tree species (not shrub species) are required for mitigation planting. Replacement trees shall be planted in the wet season (October 1 through April 1), following the applicable tree removal.

The replacement trees are required to be maintained for a period of five years after planting, and the applicant is required to replant any replacement tree that dies, becomes diseased, or is removed during this five-year period.

Trees should be planted with enough space to allow for long term success. Unless small species are chosen, it may be difficult to plant the required quantity on this site with enough room to fully mature. If there is not adequate space to successfully grow the required replacement trees, a fee in lieu shall be paid to Mercer Island. This fee is \$500 per tree, according to the Mercer Island City Arborist. This accounts for the tree replacement cost including labor, materials, and maintenance for each replacement tree the city will plant off-site.

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⁴ Per WSDOT Landscape Architect, 8.16.2018

3.5 EXCEPTIONAL TREES

The Mercer Island City Code establishes protection for large trees, specifically exceptional trees. Exceptional trees do not apply to trees within WSDOT right of way. Exceptional tree removal totals, separated by area of the project, are shown in Table 6 below.

Per MICC 19.10.060 (A)(2)(b)(ii), priority for tree retention will be given to;

- 1. Exceptional trees
- 2. Trees with a diameter greater than 24 inches
- 3. Trees that have a greater likelihood of longevity
- 4. Trees that are part of a healthy grove

Table 6. Exceptional Tree Removals (KC, COMI, Private Property)			
	Tree Removals (Qty)		
Exceptional			
Burgess Easement*	1		
I-90 Trail	1		
Lift Station 11	1		
North Mercer Pump Station	2		
Exceptional - Grove			
Burgess Easement*	9		
North Mercer Pump Station	5		
Total	19		

^{*} Burgess Easement is located on the property of 3508 96th Ave. SE, Mercer Island, WA.

4. DISCUSSION

4.1 REPLACEMENT TREE SIZES

WSDOT and COMI require different size trees be planted for mitigation planting. For most replacements, WSDOT requires 1 or 2-gallon plants, which is consistent with high-count restoration projects where minimal maintenance will follow. This may not be an appropriate approach for all areas of re-planting, due to the park-like style of the landscape along the I-90 bike trail and required site lines for pedestrian and biker safety.

WSDOT has addressed this concern by identifying certain trees along the corridor as 'street trees' and requiring 2.5-inch caliper replacements for each removal. In addition to these trees, there may be trees along other areas of the trail where it would be equally appropriate to mitigate with larger nursery stock, or with trees that have a trunk clear of branches up to a certain height.

Nursery standards use different measurements when specifying different types of plants. To aid in negotiating size and quantities of tree replacements between two jurisdictions, I have included Appendix B: Tree Size Specifications for Planting. These tables compare container size, plant height, and caliper for shade trees, conifers and multi-stem trees. The smallest container class listed should be used for calculating tree replacement quantities.

To minimize future damage to the bike trail, replacement trees along the trail should be of a species known to have a less aggressive root system. Also, consider installing root barriers, surface reinforcements, or other long-term solutions to minimize future hazardous situations.

4.2 REPLACEMENT SPECIES

Replacement species to be determined.

4.3 TREE PROTECTION

Tree Protection within Mercer Island is based on Best Management Practices⁵ as required by city code (MICC 19.10.080). These guidelines establish a tree protection zone (TPZ) for each tree, using a distance from each tree based on species tolerance to construction damage, relative tree age, and trunk diameter.

The TPZ, listed as recommended limits of disturbance (RLOD) in the table of trees (Appendix F), is the distance from the trunk where no disturbance should occur. This distance is calculated by multiplying the trunk diameter by a TPZ factor. For most trees on site, we applied a TPZ factor of 8. For tree species with a low tolerance to construction damage (katsura, red alder, western redcedar, black cottonwood), and for mature trees greater than 30 inches diameter, we used a factor of 12.

⁵ Fite, Kelby and Dr. E. Thomas Smiley. <u>Best Management Practices: Managing Trees During Construction, Second Edition</u>. Champaign, IL: International Society of Arboriculture (ISA), 2016

In our experience, this factor can be reduced depending on site conditions, proposed work, and tree protection measures that are implemented. The attached table also includes the Minimum Limits of Allowable Disturbance (MLOD) for retained trees, which was determined by multiplying the trunk diameter by a factor of 5. If the RLOD cannot be met on all sides, a reduced tree protection distance equivalent to the MLOD may be reduced on one side of the tree on a case-by-case basis. As necessary, the RLOD for individual trees may be reduced further if determined that the type of work will not be detrimental to the long-term survivability of the tree.

Based on the City Code (MICC 19.10.080(B)) the city arborist may approve construction related activity of work within the tree protection barriers (LOD) if the city arborist concludes:

- 1. That such activity of work will not threaten the long-term health of the retained tree(s); and,
- 2. That such activity of work complies with the protective methods and best building practices established by the International Society of Arboriculture

Tree protection measures should include limiting over-excavation by marking the trench width on the pavement prior to digging, using small equipment (as available) with a narrow flat front bucket, and having someone on the ground spotting for roots greater than two (2) inches diameter.

Alternative trenching methods may need to be considered if a significant root mass is uncovered, i.e. air/hydro excavation or directional boring, depending on the proposed construction. At this time, no proposed construction techniques would allow for these alternatives.

While not required specifically by WSDOT or COMI, MICC states that best management practices should be followed for tree protection. Appendix D includes an abbreviated list of tree protection specifications that should be included, at a minimum, in the project specifications.

REFERENCES

ANSI A300 (Part 1) – 2017 American National Standards Institute. <u>American National Standard for Tree Care Operations: Tree, Shrub, and Other Woody Plant Maintenance: Standard Practices (Pruning).</u> New York: Tree Care Industry Association, 2017.

ANSI Z60.1-2014 -- American Standard for Nursery Stock.

Fite, Kelby and Dr. E. Thomas Smiley. <u>Best Management Practices: Managing Trees During Construction</u>, <u>Second Edition</u>. Champaign, IL: International Society of Arboriculture (ISA), 2016.

Matheny, Nelda and James R. Clark. <u>Trees and Development: A Technical Guide to Preservation of Trees During Land Development</u>. Champaign, IL: International Society of Arboriculture, 1998.

Mercer Island Municipal Code 19.16.010 Definitions

Mercer Island Municipal Code 19.10.070 Tree Replacement

Mercer Island Municipal Code 19.10.080 Tree Protection Standards

Oregon State University. <u>Tree Protection on Construction and Development Sites: A Best Management Practices Guidebook for the Pacific Northwest.</u> 2009.

WSDOT Roadside Policy Manual M3110.03, Chapter 2. August 2015

Arborist Report: Mercer Island

Appendix A. Methods

A. METHODS

I evaluated tree health and structure utilizing visual tree assessment (VTA) methods. The basis behind VTA is the identification of symptoms, which the tree produces in reaction to a weak spot or area of mechanical stress. A tree reacts to mechanical and physiological stresses by growing more vigorously to reinforce weak areas, while depriving less stressed parts (Mattheck & Breloer 1994). An understanding of the uniform stress allows me to make informed judgments about the condition of a tree.

I measured the diameter at standard height (DSH) of each tree, typically at 54 inches above grade.

If a tree had multiple stems, I measured each stem individually at standard height and determined a single-stem equivalent diameter by using the method defined in the Guide for Plant Appraisal, 9th Edition.

Tree health considers crown indicators including foliar density, size, color, stem shoot extensions, decay, and damage. Tree structure considers tree form. We have adapted our ratings based on the Purdue University Extension Formula Values both conditions. These values are a general representation used to assist arborists in assigning ratings. For clarity, I assigned a condition rating separately for tree health and tree structure.

Excellent

Perfect specimen with excellent form and vigor, well-balanced crown. Normal to exceeding shoot length on new growth. Leaf size and color normal. Trunk is sound and solid. Root zone undisturbed. No apparent pest problems. Long safe useful life expectancy for the species.

Good

Imperfect canopy density in few parts of the tree, up to 10 percent of the canopy. Normal to less than ¾ of typical growth rate of shoots and minor deficiency in typical leaf development. Few pest issues or damage, and if they exist they are controllable, or tree is reacting appropriately. Normal branch and stem development with healthy growth. Safe useful life expectancy typical for the species.

Fair

Crown decline and dieback up to 30 percent of the canopy. Leaf color is somewhat chlorotic/necrotic with smaller leaves and "off" coloration. Shoot extensions indicate some stunting and stressed growing conditions. Stress cone crop is clearly visible. Obvious signs of pest problems contributing to a lesser condition. Control might be possible. I found some decay areas in the main stem and branches. Below average safe useful life expectancy

<u>Poor</u>

Lacking full crown, more than 50 percent decline and dieback, especially affecting larger branches. Stunting of shoots is obvious with little evidence of growth on smaller stems. Leaf size and color reveals overall stress in the plant. Insect or disease infestation may be severe and uncontrollable. Extensive decay or hollows in branches and trunk. Short safe useful life expectancy.

Tree health condition ratings have been adapted from the Purdue University Extension bulletin FNR-473-W - Tree Appraisal

Arborist Report: Mercer Island

Appendix B. Tree Size Specifications for Planting

B. TREE SIZE SPECIFICATIONS FOR PLANTING

Table 7. Specifications for Type 1 Shade Trees					
Trunk Caliper (inches)	Avg Tree Height on Standard Trees (feet)	Min. Root Ball Diameter (inches)	Container Class (gallons)		
1/2″	4-5′	12"	#2/3/5		
5/8"	5-6′	13"	#3/5/7		
3/4"	6-8'	14"	#5/7/10		
1"	8-10′	16"	#7/10/15		
1 ¼"	8-10′	18"	#10/15/20		
1 ½″	10-12′	20"	#15/20/25		
1 3/4"	10-12′	22"	#15/20/25/45		

Adapted from table 3 in American Standard for Nursery Stock (ANSI Z60.1-2014). (*Acer rubrum, Liriodendron tulipifera, Quercus palustris, Zelkova serrata,* etc.)

For new plants, trunk caliper (diameter) is measured 6 inches from the ground.

Smallest container class should be used for replacement calculations.

Table 8. Specifications for Shrub form and multi-stem trees (spreading habit)				
Avg Tree Height on Standard Trees (feet)	Trunk Caliper (inches)	Minimum Root Ball Diameter (inches)	Container Class (gallons)	
2′			#2/3	
3′			#3/5	
4′		24"	#3/5/7	
5′		28"	#5/7/10	
6′		32"	#7/10/15	
7′		36"	#10/15/20	
8′		40"	#15/20/25	
10′		44"	#20/25/45	

Adopted from table 7 in American Standard for Nursery Stock (ANSI Z60.1-2014). Includes *Acer ginnala, Amelanchier spp., Cercidiphyllum spp., Cercis spp., Malus spp.*, etc.)

Smallest container class should be used for replacement calculations.

Table 9. Specifications for Type 4 Conifers					
Avg Tree Height on Standard Trees (feet)	Trunk Caliper (inches)	Min Root Ball Diameter (inches)	Container Class (gallons)		
1′		8"	#1/2		
1.25′		10"	#2/3		
1.5′		12"	#2/3/5		
2′		14"	#3/5/7		
2.5′		16"	#3/5/7/10		
3′		18"	#5/7/10		
4′		20"	#7/10/15		
5′		22"	#7/10/15/25		
6′		24"	#10/15/25/45		

Adapted from table 16 in American Standard for Nursery Stock (ANSI Z60.1-2014). (Includes *Pseudotsuga menziesii, Abies grandis, Cedrus deodara,* etc.)

Smallest container class should be used for replacement calculations.

Arborist Report: Mercer Island

Appendix C. Mercer Island City Code 19.10.070: Tree Replacements

C. MERCER ISLAND CITY CODE 19.10.070: TREE REPLACEMENTS

Trees that are cut pursuant to a tree permit shall be replaced as specified in subsections A and B of this section, or a fee in lieu shall be paid as specified in subsection C of this section.

A. Tree Replacement Ratio. Removed trees shall have the following base replacement ratio:

Diameter of removed tree	Qty of replacement trees required (6' conifer / 1.5" cal)
Less than 10 inches	1
10 - 24 inches	2
24 - 36 inches	3
> 36 inches	6
All exceptional trees	6

B. Replacement Trees

- 1. Location. Replacement trees shall be located in the following order of priority from most important to least important:
 - a. On-site replacement adjacent to or within critical tree areas as defined in Chapter 19.16 MICC;
 - b. On-site replacement outside of critical tree areas adjacent to other retained trees making up a grove or stand of trees;
 - c. On-site replacement outside of critical tree areas; and
 - d. Off-site in adjacent public right of way where explicitly authorized by the city.
- 2. Species. Replacement trees shall primarily be those species native to the Pacific Northwest. In making a determination regarding the species of replacement trees, the city arborist shall defer to the species selected by the property owner unless the city arborist determines that the species selected is unlikely to survive for a period of at least 10 years, represents a danger or nuisance, would threaten overhead or underground utilities or would fail to provide adequate protection to any critical tree area.

3. Size.

- a. Coniferous trees shall be at least six feet tall; and
- b. Deciduous trees shall be at least 1.5 inches in caliper.

The city arborist may authorize the planting of smaller-sized replacement trees if the applicant can demonstrate that smaller trees are more suited to the species, the site conditions, neighborhood

- character, and the purposes of this section, and that such replacement trees will be planted in sufficient quantities to meet the intent of this section. The city arborist shall not authorize the planting of shrubs or bushes in lieu of required replacement trees.
- 4. Reduction. The city arborist may reduce the number of replacement trees as follows, where other measures designed to mitigate the tree loss by restoring the tree canopy coverage and its associated benefits are considered to be effective and consistent with the purposes of this chapter. The city arborist may consider, but is not limited to, the following measures:
 - a. Replacement of hazardous, undesired, or short-lived trees with healthy new trees that have a greater chance of long-term survival;
 - b. Restoration of critical tree areas with native vegetation; and
 - c. Protection of small trees to provide for successional stages of tree canopy.
- 5. Timing. Replacement trees shall be planted in the wet season (October 1 through April 1), following the applicable tree removal or, in the case of a development proposal, completion of the development work, provided the city arborist may authorize an extension to ensure optimal planting conditions for tree survival.
- C. Fee-in-Lieu. If the city determines there is insufficient area to replant on the site or within the adjacent public right of way, the city arborist may authorize payment of a fee-in-lieu provided:
 - 1. There is insufficient area on the lot or adjacent right of way for proposed on-site tree replacement to meet the tree replacement requirements of this chapter; or
 - 2. Tree replacement or management provided within public right of way or a city park in the vicinity will be of greater benefit to the community.
 - 3. Fees provided in lieu of on-site tree replacement shall be determined based upon:
 - a. The expected tree replacement cost including labor, materials, and maintenance for each replacement tree; and
 - b. The most current Council of Tree and Landscaper Appraisers Guide for Plant Appraisal.
 - 4. Any fee-in-lieu is also optional for the applicant and requires an explicit written agreement.
- D. Maintenance of Replacement Trees. The applicant shall maintain all replacement trees in a healthy condition for a period of five years after planting. The applicant shall be obligated to replant any replacement tree that dies, becomes diseased, or is removed during this five-year time period



Appendix D. Tree Protection Specifications

D. TREE PROTECTION SPECIFICATIONS

Tree protection specifications are based on best management practices as outlined by ISA⁶. This list is a partial list of protection specifications that should be incorporated into the project specifications:

Tree Protection Fencing: All trees planned for retention or on neighboring properties that overhang the site shall be protected for the entire duration of the construction project. Tree protection fencing shall consist of 6-foot tall chain link fencing installed at the extent of the tree protection area. Where trees are being retained as a group the fencing should encompass the entire area.

Signage: Fencing should also have clear, large signage noting that fencing cannot be moved without an arborist present.

Soil Protection: No parking, materials storage, or dumping (including excavated soils) are allowed within the tree protection area. Any heavy machinery should remain outside of the protection area unless soils are protected from the load. Acceptable methods of soil protection include applying 1-inch plywood over 3 to 4 inches of wood chip mulch, steel plates, or use of Alturna mats (or equivalent product).

Duff/Mulch: Retain and protect as much of the existing duff and understory as possible. Retained trees in areas where there are exposed soils shall have 4 to 6 inches of wood chips applied to help prevent water evaporation and compaction. Keep mulch 1 foot away from the base of the tree.

Excavation: Excavation done at or within the tree protection area should be carefully planned to minimize disturbance. Where feasible consider using alternative methods such as pneumatic excavation which uses pressurized air to blow soil away from the root system, directional drilling to bore utility lines, or hand excavation to expose roots. Excavation done with machinery (backhoe) in proximity of trees should be performed slowly with flat front buckets, removing small amounts of soil at a time with one person on the ground spotting for roots. When roots are encountered, excavation should stop, and roots should be cleanly pruned as needed so they are not ripped or torn.

Root Pruning: Root pruning should be limited to the extent possible. All roots shall be pruned with a sharp saw making clean cuts. Avoid fracturing and breaking roots with excavation equipment. Root cuts shall be immediately covered with soil or mulch and kept moist.

Irrigation: Retained trees will require supplemental water if construction occurs during summer drought periods.

Pruning: Any pruning required for construction and safety clearance shall be done with a pruning specification provided by the project arborist in accordance with American National Standards Institute ANSI A300 Standard Practices for Pruning. Use of an arborist with an International Society of Arboriculture Certification to perform pruning is strongly advised

⁶ Fite, Kelby and Dr. E. Thomas Smiley. <u>Best Management Practices Managing Trees During Construction, Second Edition</u>. Champaign, IL: International Society of Arboriculture, 2016.

Arborist Report: Mercer Island

Appendix E. Assumptions & Limiting Conditions

E. Assumptions & Limiting Conditions

- 1. Consultant has agreed to undertake Services on the subject Site. Consultant assumes that the Client owns or is the agent for the owner of the Site and that the legal description of the Site provided by the Client is accurate. Consultant assumes that Client has granted a license over, under, upon, and across the Site for the limited purpose of providing Services.
- 2. Consultant assumes that the Site and its use do not violate, and is in compliance with, any applicable codes, ordinances, statutes or regulations.
- 3. The Client is responsible for making all relevant records and related information available to the Consultant and for the accuracy and completeness of that information. Consultant may also obtain information from other sources that it considers reliable. Nonetheless, Client is responsible for the accuracy and completeness of that additional information and Consultant assumes no obligation for the accuracy and completeness of that additional information.
- 4. The Consultant may provide report or recommendation based on published municipal regulations. The Consultant assumes that the municipal regulations published on the date of the report are current municipal regulations and assumes no obligation related to unpublished city regulation information.
- 5. Any report by Consultant and any values expressed therein represent the opinion of the Consultant, and the Consultant's fee is in no way contingent upon the reporting of a specific value, a stipulated result, the occurrence of a subsequent event, or upon any finding to be reported.
- 6. Ownership of any documents produced passes to the Client only when all fees have been paid.
- 7. All photographs included in our reports were taken by Tree Solutions, Inc. during the documented Site visit, unless otherwise noted. Sketches, drawings and photographs in any report by Consultant, being intended as visual aids, are not necessarily to scale and should not be construed as engineering or architectural reports or surveys. The reproduction of any information generated by architects, engineers or other consultants and any sketches, drawings or photographs is for the express purpose of coordination and ease of reference only. Inclusion of such information on any drawings or other documents does not constitute a representation by Consultant as to the sufficiency or accuracy of the information.
- 8. Unless otherwise agreed, (1) information contained in any report by Consultant covers only the items examined and reflects the condition of those items at the time of inspection; and (2) the inspection is limited to visual examination of accessible items without dissection, excavation, probing, climbing, or coring.
- 9. Consultant makes no warranty or guarantee, express or implied, that the problems or deficiencies of the plants or Site in question may not arise in the future. Any report is based on the observations and opinions of the authoring arborist, and does not provide guarantees regarding the future performance, health, vigor,

structural stability or safety of the plants described assessed. Neither the Arborist nor Tree Solutions, Inc. has assumed any responsibility for liability associated with the trees on or adjacent to this project site, their future demise and/or any damage which may result therefrom. Any changes to an established tree's environment can cause its decline, death and/or structural failure.

- 10. Species identification and measurements are subject to typical margins of error, considering the oval or asymmetrical cross-section of most trunks and canopies.
- 11. Tree Solutions did not review any reports or perform any tests related to the soil located on the subject property unless outlined in the scope of services. Tree Solutions staff are not and do not claim to be soils experts. An independent inventory and evaluation of the site's soil should be obtained by a qualified professional if an additional understanding of the site's characteristics is needed to make an informed decision.
- 12. Our assessments are made in conformity with acceptable evaluation/diagnostic reporting techniques and procedures, as recommended by the International Society of Arboriculture.

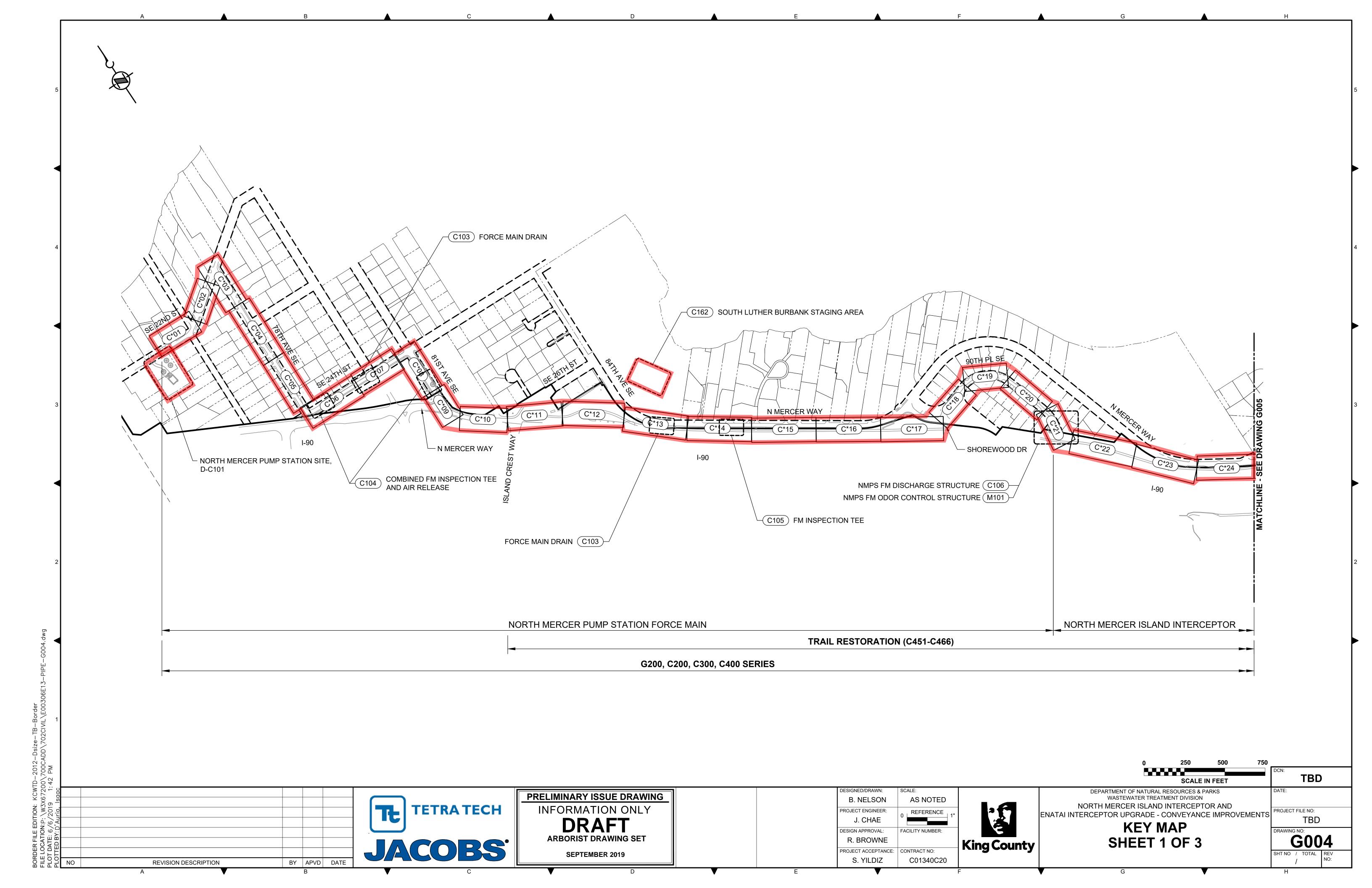
Arborist Report: Mercer Island

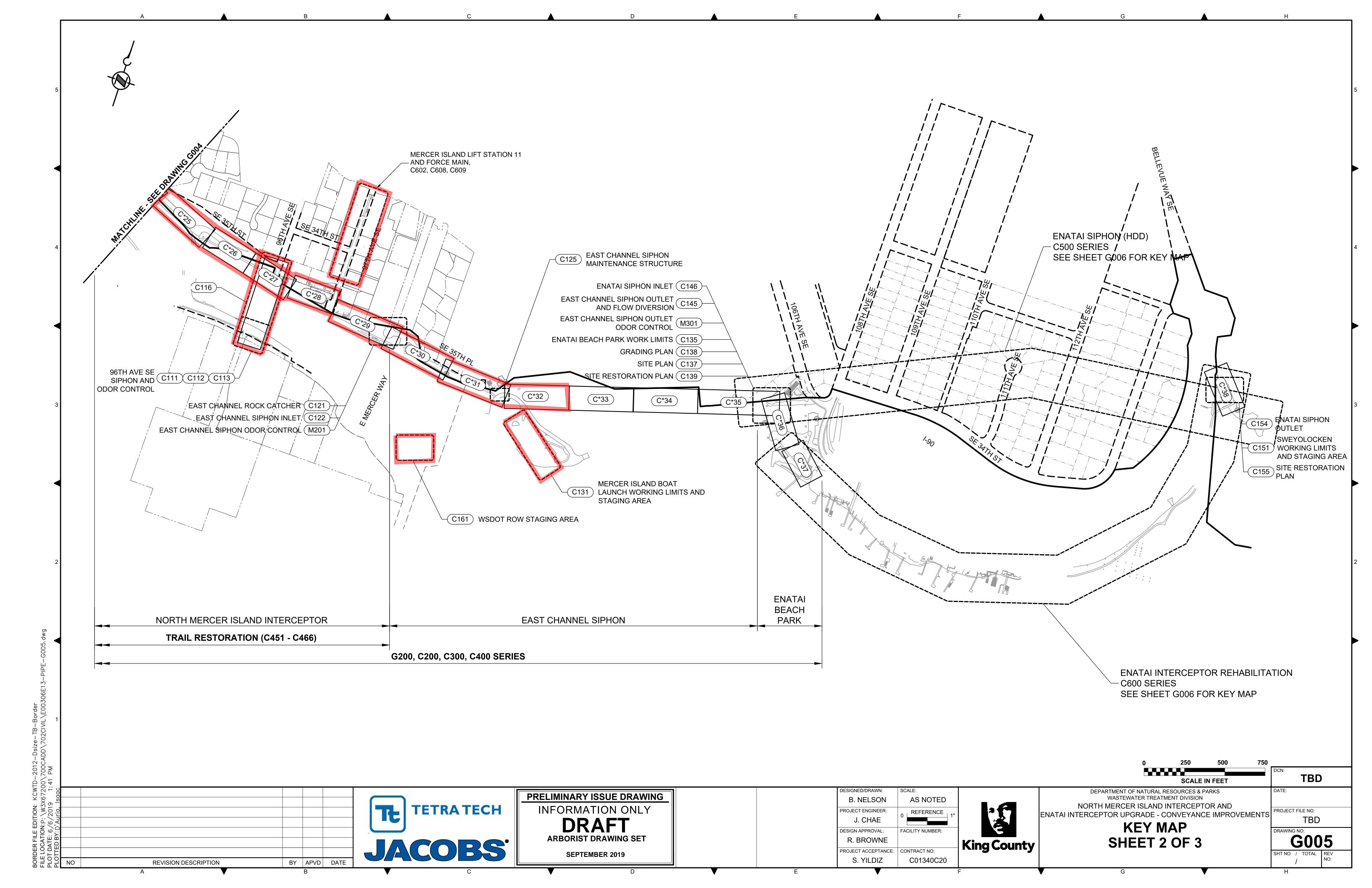
Appendix F. Tree Maps & Tables

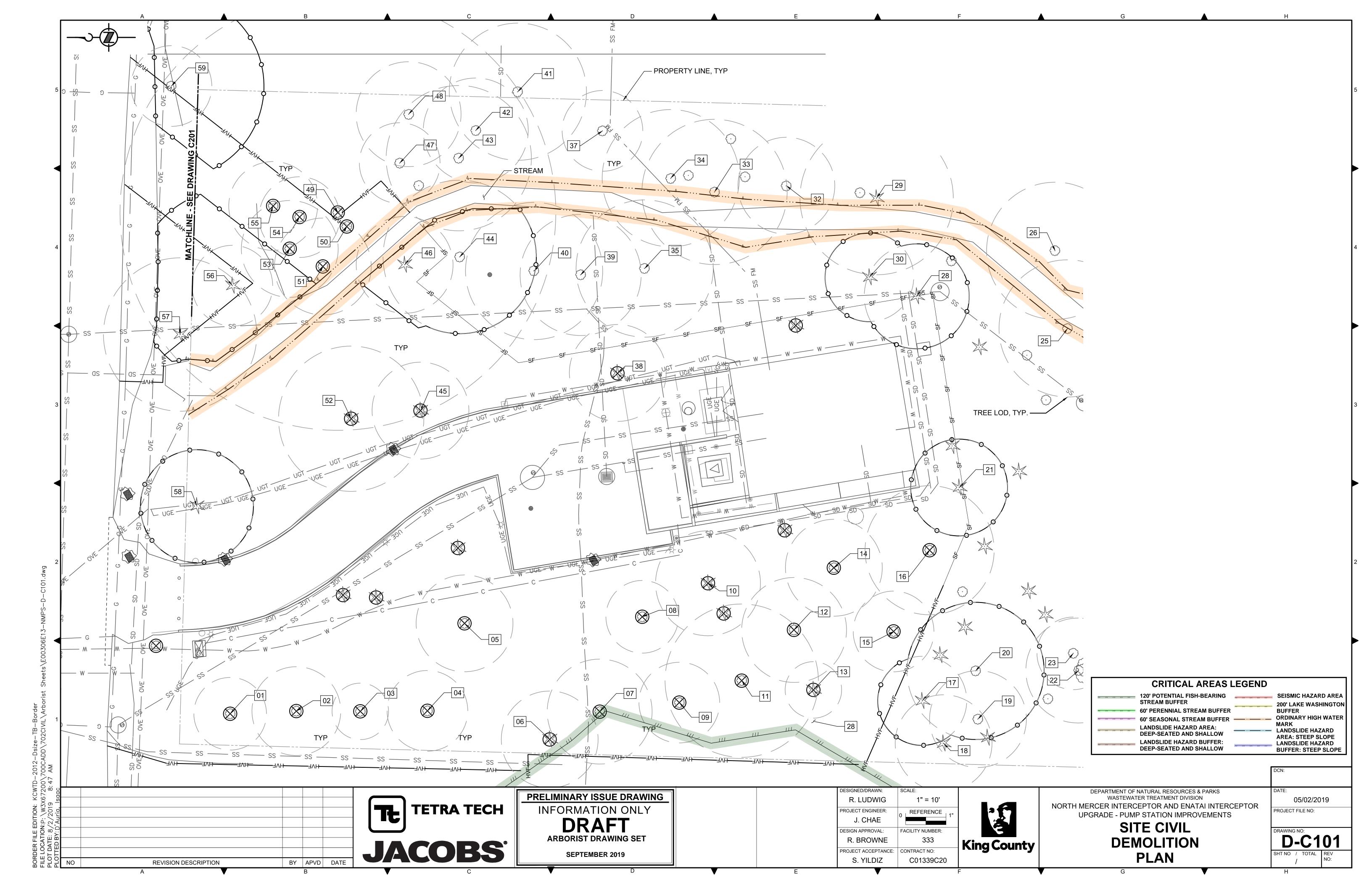
F. TREE TABLE & MAPS

See separate key maps, tree maps and spreadsheets. Each drawing is followed by its associated tree table.

Tree maps were produced by Jacobs and Tetra Tech. They are included for reference only and are not construction drawings.

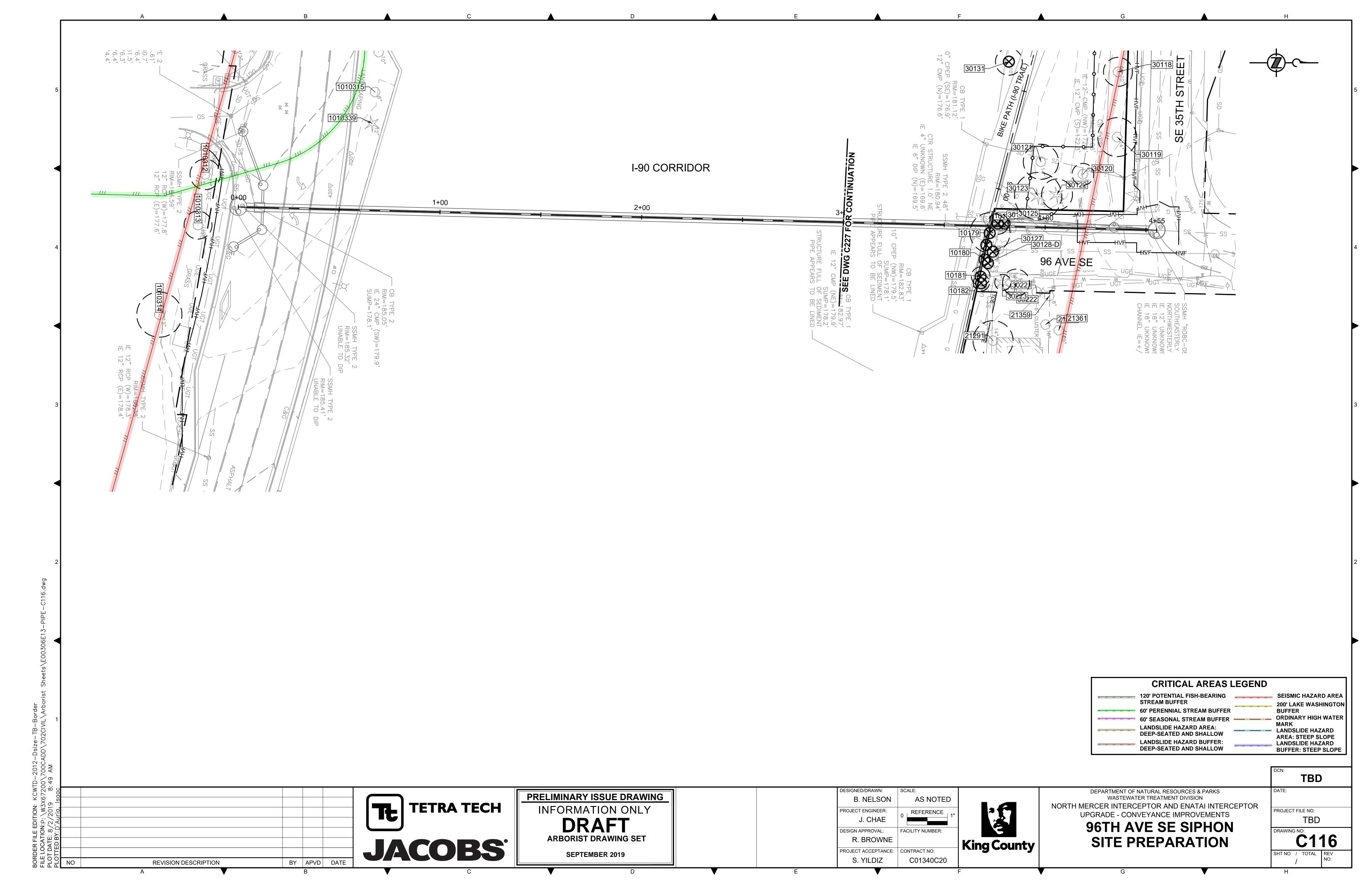






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The color							'	Health	Structural						
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March Marc		4		<u> </u>								10	6	2	Ÿ
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		10		·	j .								8	2	
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Fall					· · · · · · · · · · · · · · · · · · ·						•	12	5	6 TBD	
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Minagonia Section Decision Decision													7		
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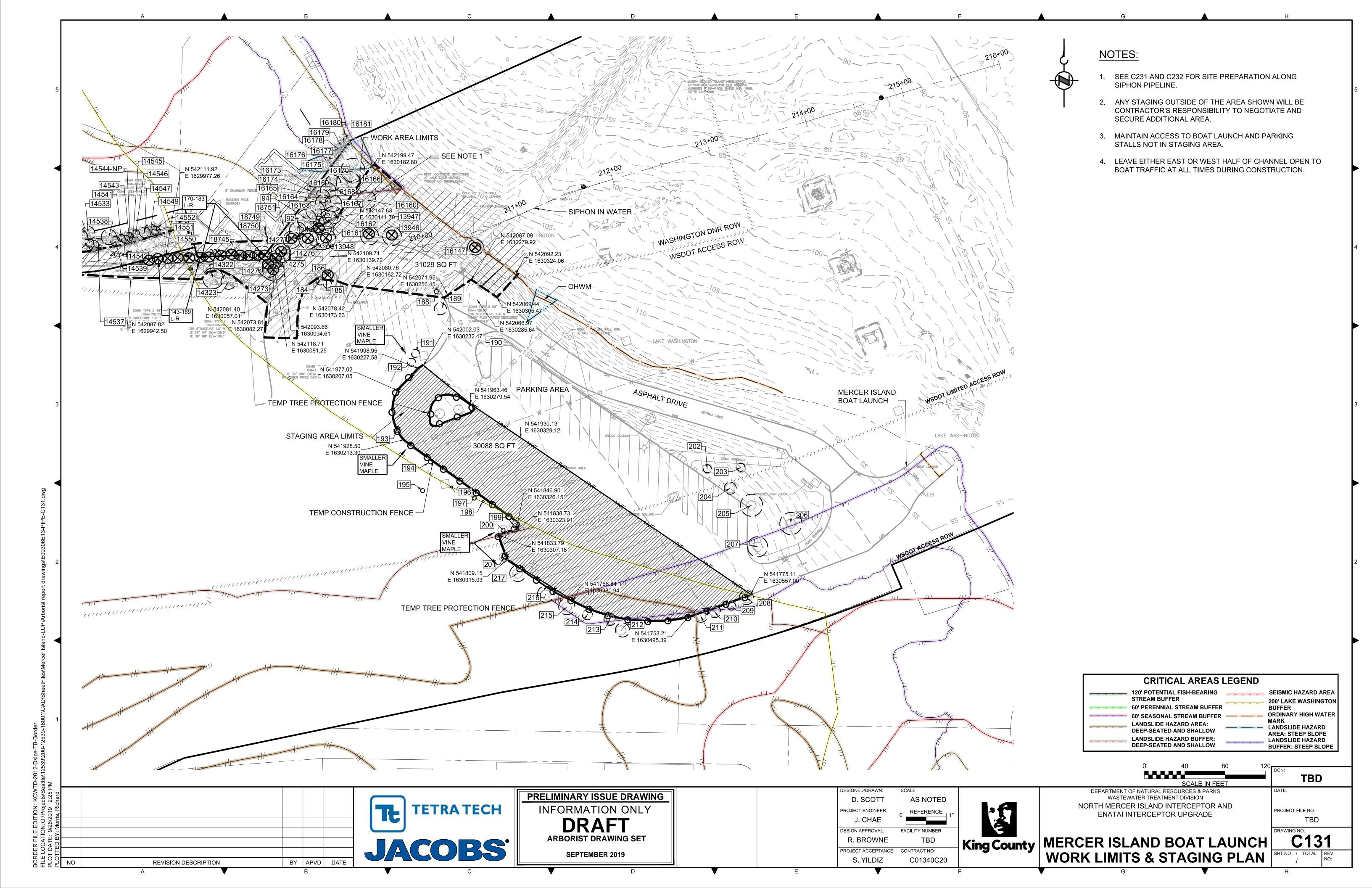




Mercer Island Tree Table DRAFT North Mercer Island and Enatai Upgrade Project Appendix F August 2, 2019

					Single Stem							Replaceme	en en	
					Equivalent	Health	Structural					ts required	1	
Proposed Action	n Tree ID	Sheet	Scientific Name	Common Name	DSH (in) Multiple Stem DSH (in)	Condition	Condition	Jurisdiction	Designation*	RLOD (ft)	MLOD (ft)	(Qty)	Protection Notes	Removal Reason
Protect	1010312	C116	Fraxinus latifolia	Oregon ash	11.3	Good	Good	COMI	10"-24"	8	5	2	TBD	
Protect	1010313	C116	Fraxinus latifolia	Oregon ash	10.4	Good	Good	COMI	10"-24"	7	4	2	TBD	
Protect	1010314	C116	Cornus mas	Cornelian cherry	16.8	Good	Good	COMI	10"-24"	11	7	2	TBD	

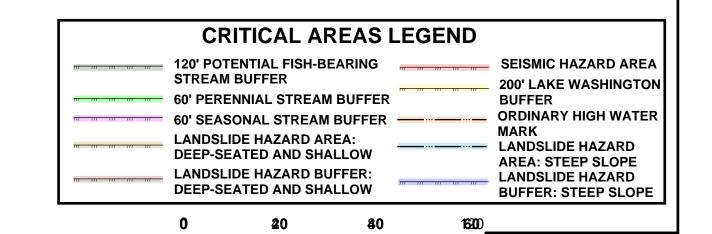




					Single Stem	1							Replacem	
					Equivalent		Health	Structural					ts required	
Proposed Action		Sheet	Scientific Name	Common Name	DSH (in)	Multiple Stem DSH (in)	Condition	Condition		n Designation*	RLOD (ft)	MLOD (ft)	(Qty)	Protection Notes Removal Reason
Protect	184	C131	Acer circinatum	Vine maple	5.8	3.5, 3.0, 2.5, 2.5	Good	Good	WSDOT	Category 2	4	2	6	TBD
Protect	185	C131	Acer circinatum	Vine maple	6.4	4.0, 4.0, 3.0	Good	Good	WSDOT	Category 2	4	3	7	TBD
Protect	187	C131	Acer circinatum	Vine maple	4.5	3.0, 2.5, 1.0, 1.5, 1.25	Good	Good	WSDOT	Category 2	3	2	5	TBD
Protect	188	C131	Acer circinatum	Vine maple	2.7	1.5, 1.5, 1.0, 1.0, 1.0	Good	Good	WSDOT	Category 3	2	1	n/a	TBD
Protect	189	C131	Acer circinatum	Vine maple	8.4	4.5, 4.5, 4.5, 3.0	Good	Good	WSDOT	Category 2	6	3	9	TBD
Protect	190	C131	Acer circinatum	Vine maple	2.3	1.5, 1.0, 1.0, 1.0	Fair	Fair	WSDOT	Category 3	2	1	n/a	TBD
Protect	191	C131	Acer circinatum	Vine maple	5.3	2.5, 2.5, 2.0, 2.0, 1.5, 1.5, 1.5, 1	Good	Good	WSDOT	Category 2	4	2	6	Chainlink fencing at curb edge
Protect	192	C131	Acer circinatum	Vine maple	6.1	3.5, 3.5, 3.5, 1.0	Good	Good	WSDOT	Category 2	4	3	7	Chainlink fencing at curb edge
Protect	193	C131	Acer circinatum	Vine maple	4.1	1.5, 2.0, 2.5, 2.0	Good	Good	WSDOT	Category 2	3	2	5	Chainlink fencing at curb edge
Protect	194	C131	Acer circinatum	Vine maple	3.1	2.5, 1.0, 1.5	Good	Good	WSDOT	Category 3	2	1	n/a	Chainlink fencing at curb edge
Protect	195	C131	Acer circinatum	Vine maple	3.7	2.5, 2.0, 1.5, 1.0	Good	Good	WSDOT	Category 3	2	2	n/a	Chainlink fencing at curb edge
Protect	196	C131	Acer circinatum	Vine maple	2.1	1.5, 1.0, 1.0, .5	Good	Good	WSDOT	Category 3	1	1	n/a	Chainlink fencing at curb edge
Protect	197	C131	Acer circinatum	Vine maple	3.6	1.5, 1.5, 1.0, 1.0, 1.0, 1.0, 1.0, 1.0, 1.5	Good	Good	WSDOT	Category 3	2	1	n/a	Chainlink fencing at curb edge
Protect	198	C131	Acer circinatum	Vine maple	2.2	1.5, 1.0, 1.2	Good	Good	WSDOT	Category 3	1	1	n/a	Chainlink fencing at curb edge
Protect	199	C131	Acer circinatum	Vine maple	2.9	2.0, 1.5, 1.5	Good	Good	WSDOT	Category 3	2	1	n/a	Chainlink fencing at curb edge
Protect	200	C131	Acer circinatum	Vine maple	3.4	1.5, 1.2, 1.2, 1.2, 1.0, 1.0, 1.0, 1.0, 1.0	Good	Good	WSDOT	Category 3	2	1	n/a	Chainlink fencing at curb edge
Protect	201	C131	Acer circinatum	Vine maple	4.0	2.5, 1.5, 1.5, 1.5, 1.0, 1.0, 1.0	Good	Good	WSDOT	Category 2	3	2	4	Chainlink fencing at curb edge
Protect	202	C131	Acer circinatum	Vine maple	6.7	3.5, 3.0, 3.0, 2.5, 2.8	Good	Good	WSDOT	Category 2	4	3	7	TBD
Protect	203	C131	Acer circinatum	Vine maple	6.0	3.5, 3.0, 3.0, 2.5	Good	Good	WSDOT	Category 2	4	3	7	TBD
Protect	204	C131	Acer circinatum	Vine maple	9.0	4.0, 3.5, 3.0, 3.0, 2.5, 2.5, 2.0, 2.5, 3.5	Good	Good	WSDOT	Category 2	6	4	10	TBD
Protect	205	C131	Acer platanoides	Norway maple	16.5		Good	Good	WSDOT	Category 2	11	7	17	TBD
Protect	206	C131	Acer platanoides	Norway maple	17.0		Good	Good	WSDOT	Category 2	11	7	17	TBD
Protect	207	C131	Acer platanoides	Norway maple	15.0		Good	Good	WSDOT	Category 2	10	6	15	TBD
Protect	208	C131	Acer platanoides	Norway maple	11.0		Good	Good	WSDOT	Category 2	7	5	11	Chainlink fencing at curb edge
Protect	209	C131	Acer platanoides	Norway maple	6.0		Good	Good	WSDOT	Category 2	4	3	6	Chainlink fencing at curb edge
Protect	210	C131	Acer platanoides	Norway maple	9.5		Good	Good	WSDOT	Category 2	6	4	10	Chainlink fencing at curb edge
Protect	211	C131	Acer platanoides	Norway maple	10.2		Good	Good	WSDOT	Category 2	7	4	11	Chainlink fencing at curb edge
Protect	212	C131	Pseudotsuga menziesii	Douglas-fir	10.0		Good	Good	WSDOT	Category 2	7	4	10	Chainlink fencing at curb edge
Protect	213	C131	Pseudotsuga menziesii	Douglas-fir	9.0		Good	Good	WSDOT	Category 2	6	4	9	Chainlink fencing at curb edge
Protect	214	C131	Pseudotsuga menziesii	Douglas-fir	8.0		Good	Good	WSDOT	Category 2	5	3	8	Chainlink fencing at curb edge
Protect	215	C131	Pseudotsuga menziesii	Douglas-fir	12.0		Good	Good	WSDOT	Category 2	8	5	12	Chainlink fencing at curb edge
Protect	216	C131	Pseudotsuga menziesii	Douglas-fir	12.0		Good	Good	WSDOT	Category 2	8	5	12	Chainlink fencing at curb edge
Protect	217	C131	Pseudotsuga menziesii	Douglas-fir	12.0		Good	Good	WSDOT	Category 2	8	5	12	Chainlink fencing at curb edge



I-90 EB I-90 E ON-RAMP 24125 24126 24127 SE 36TH ST FRONTAGERD 24118 24117 24116



SCALE IN FEET

B. NELSON 1" = 40' PROJECT ENGINEER: REFERENCE J. CHAE DESIGN APPROVAL: FACILITY NUMBER:

UPGRADE - CONVEYANCE IMPROVEMENTS OFF SITE STAGING AREA **EAST MERCER WAY**

DEPARTMENT OF NATURAL RESOURCES & PARKS WASTEWATER TREATMENT DIVISION

NORTH MERCER INTERCEPTOR AND ENATAI INTERCEPTOR PROJECT FILE NO: TBD DRAWING NO:
C161

TBD

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TETRA TECH	 T t					
J	ر ک					
ACOBS'						
16010		DATE	APVD	ВУ	REVISION DESCRIPTION	NO

PRELIMINARY ISSUE DRAWING INFORMATION ONLY **DRAFT** ARBORIST DRAWING SET SEPTEMBER 2019

R. BROWNE King County PROJECT ACCEPTANCE: CONTRACT NO: C01340C20 S. YILDIZ

					Single Stem								Replaceme	n
					Equivalent		Health	Structural					ts required	
Proposed Action	on Tree ID	Sheet	Scientific Name	Common Name	DSH (in)	Multiple Stem DSH (in)	Condition	Condition	Jurisdiction	n Designation*	RLOD (ft)	MLOD (ft)	(Qty)	Protection Notes Removal Reason
Protect	24114	C161	Fraxinus sp.	Ash	13.0		Good	Good	WSDOT	Street Tree	9	5	1	Chainlink fencing 20 ft from tree
Protect	24115	C161	Fraxinus sp.	Ash	15.0		Good	Good	WSDOT	Street Tree	10	6	1	Chainlink fencing 20 ft from tree
Protect	24116	C161	Fraxinus sp.	Ash	11.0		Good	Good	WSDOT	Street Tree	7	5	1	Chainlink fencing 20 ft from tree
Protect	24117	C161	Fraxinus sp.	Ash	12.0		Good	Good	WSDOT	Street Tree	8	5	1	Chainlink fencing 20 ft from tree
Protect	24118	C161	Fraxinus sp.	Ash	12.5		Good	Good	WSDOT	Street Tree	8	5	1	Chainlink fencing 20 ft from tree
Protect	24119	C161	Pseudotsuga menziesii	Douglas-fir	18.0		Good	Good	WSDOT	Category 2	12	8	18	Chainlink fencing 20 ft from tree
Protect	24120	C161	Pseudotsuga menziesii	Douglas-fir	12.0		Good	Good	WSDOT	Category 2	8	5	12	Chainlink fencing 20 ft from tree
Protect	24121	C161	Thuja plicata	Western redcedar	14.0		Good	Good	WSDOT	Category 2	9	6	14	Chainlink fencing 20 ft from tree
Protect	24122	C161	Thuja plicata	Western redcedar	11.0		Good	Good	WSDOT	Category 2	7	5	11	Chainlink fencing 20 ft from tree
Protect	24123	C161	Acer platanoides	Norway maple	11.0		Good	Good	WSDOT	Category 2	7	5	11	Chainlink fencing 20 ft from tree
Protect	24124	C161	Acer platanoides	Norway maple	11.0		Good	Good	WSDOT	Category 2	7	5	11	Chainlink fencing 20 ft from tree
Protect	24125	C161	Pseudotsuga menziesii	Douglas-fir	14.0		Good	Good	WSDOT	Category 2	9	6	14	Chainlink fencing 20 ft from tree
Protect	24126	C161	Pseudotsuga menziesii	Douglas-fir	13.0		Good	Good	WSDOT	Category 2	9	5	13	Chainlink fencing 20 ft from tree
Protect	24127	C161	Pseudotsuga menziesii	Douglas-fir	10.0		Good	Good	WSDOT	Category 2	7	4	10	Chainlink fencing 20 ft from tree
Protect	24128	C161	Pseudotsuga menziesii	Douglas-fir	14.0		Good	Good	WSDOT	Category 2	9	6	14	Chainlink fencing 20 ft from tree
Protect	24129	C161	Pseudotsuga menziesii	Douglas-fir	15.0		Good	Good	WSDOT	Category 2	10	6	15	Chainlink fencing 20 ft from tree
Protect	24130	C161	Acer platanoides	Norway maple	14.0		Good	Good	WSDOT	Category 2	9	6	14	Chainlink fencing 20 ft from tree
Protect	24131	C161	Acer platanoides	Norway maple	12.2		Good	Good	WSDOT	Category 2	8	5	13	Chainlink fencing 20 ft from tree
Protect	24132	C161	Acer platanoides	Norway maple	8.5		Good	Good	WSDOT	Category 2	6	4	9	Chainlink fencing 20 ft from tree
Protect	24133	C161	Acer platanoides	Norway maple	10.5		Good	Good	WSDOT	Category 2	7	4	11	Chainlink fencing 20 ft from tree
Protect	24134	C161	Acer platanoides	Norway maple	13.0		Good	Good	WSDOT	Category 2	9	5	13	Chainlink fencing 20 ft from tree





CRITICAL AREAS LEGEND

120' POTENTIAL FISH-BEARING STREAM BUFFER

60' PERENNIAL STREAM BUFFER

60' SEASONAL STREAM BUFFER

LANDSLIDE HAZARD AREA: DEEP-SEATED AND SHALLOW

LANDSLIDE HAZARD BUFFER: DEEP-SEATED AND SHALLOW

BUFFER: STEEP SLOPE

LANDSLIDE HAZARD BUFFER: BUFFER: DEEP-SEATED AND SHALLOW

120' LAKE WASHINGTON BUFFER

MARK

LANDSLIDE HAZARD AREA: LANDSLIDE HAZARD AREA: STEEP SLOPE

LANDSLIDE HAZARD BUFFER: BUFFER: STEEP SLOPE

120' LAKE WASHINGTON BUFFER

MARK

LANDSLIDE HAZARD BUFFER: BUFFER: BUFFER: STEEP SLOPE

120' LAKE WASHINGTON BUFFER

MARK

LANDSLIDE HAZARD BUFFER: BUFFER: BUFFER: STEEP SLOPE

120' LAKE WASHINGTON BUFFER

MARK

LANDSLIDE HAZARD BUFFER: BUFFER: BUFFER: STEEP SLOPE

TETRA TECH

JACOBS*

O REVISION DESCRIPTION

BY APVD DATE

INFORMATION ONLY

DRAFT

ARBORIST DRAWING SET

SEPTEMBER 2019

DESIGNED/DRAWN:

B. NELSON

1" = 40'

PROJECT ENGINEER:

J. CHAE

DESIGN APPROVAL:

R. BROWNE

PROJECT ACCEPTANCE:

S. YILDIZ

SCALE:

REFERENCE

1"

FACILITY NUMBER:

CONTRACT NO:

CO1340C20



NORTH MERCER INTERCEPTOR AND ENATAL INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS

OFF SITE STAGING AREA

OFF SITE STAGING AREA SOUTH LUTHER BURBANK PARKING LOT

DEPARTMENT OF NATURAL RESOURCES & PARKS

PROJECT FILE NO:
TBD

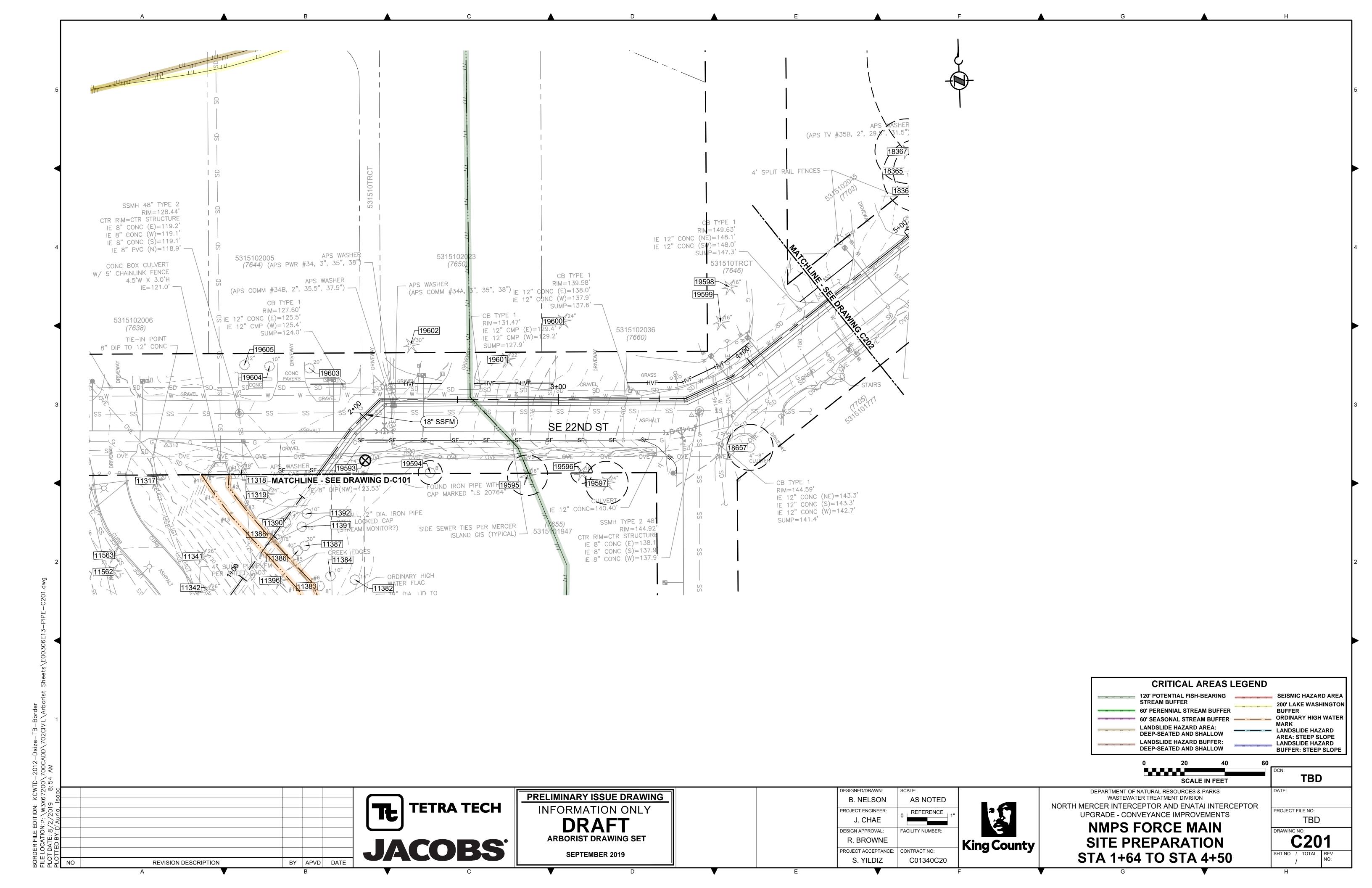
DRAWING NO:
C162

SHT NO / TOTAL REV NO:

TBD

					0: 1 0:										
					Single Sten		Hoolth	Ctructural					Replacement		
Proposed Acti	on Troo ID	Sheet	Scientific Name	Common Name	Equivalent DSH (in)	Multiple Stem DSH (in)	Health Condition	Structural Condition	luriedietie	on Designation*	RLOD (ft)	MLOD (ft)	ts required (Qty)		al Reason
Protect	98	C162	Quercus rubra	Red oak	9.6	Multiple Stelli DSH (III)	Good	Good	COMI	6" - 10"	6 KLOD (II)	MLOD (II)	1	Clearance pruning	i Reason
Protect	99	C162	Quercus rubra	Red oak	14.3		Good	Good	COMI	10"-24"	10	6	2	Clearance pruning Clearance pruning	
Protect	100	C162	Quercus rubra	Red oak	9.3		Good	Good	COMI	6" - 10"	6	4	1	TBD	
Protect	101	C162	Quercus rubra	Red oak	11.0		Good	Good	COMI	10"-24"	7	<u> </u>	2	TBD	
Protect	102	C162	Quercus rubra	Red oak	8.0		Good	Good	COMI	6" - 10"		3	1	TBD	
Protect	103	C162	Quercus rubra	Red oak	9.5		Good	Good	COMI	6" - 10"	6	4	1	TBD	
Protect	104	C162	Quercus rubra	Red oak	12.5		Good	Good	COMI	10"-24"	8	5	2	TBD	
Protect	105	C162	Quercus rubra	Red oak	17.2		Good	Good	COMI	10"-24"	11	7	2	TBD	
Protect	106	C162	Acer glabrum var. douglasii	Rocky mountain maple	6.2	2.5, 2.5, 3.9, 3.3	Fair	Fair	COMI	Exceptional	4	3	6	TBD	
Protect	107	C162	Acer glabrum var. douglasii	Rocky mountain maple	5.7	4.4, 2.4, 2.7	Fair	Fair	COMI	<6"	4	2	0	TBD	
Protect	108	C162	Acer macrophyllum	Bigleaf maple	5.7	3.6, 2.5, 2.5, 2.7	Fair	Fair	COMI	<6"	4	2	0	TBD	
Protect	109	C162	Acer macrophyllum	Bigleaf maple	10.5	8.0, 6.8	Fair	Fair	COMI	10"-24"	7	4	2	TBD	
Protect	110	C162	Acer macrophyllum	Bigleaf maple	6.3	2.7, 4.0, 4.0	Fair	Fair	COMI	6" - 10"	4	3	1	TBD	
Protect	111	C162	Acer macrophyllum	Bigleaf maple	8.2	5.2, 6.3	Fair	Fair	COMI	6" - 10"	5	3	1	TBD	
Protect	112	C162	Crataegus monogyna	Common hawthorn	9.3	4.0, 5.0, 4.6, 3.6, 3.5	Fair	Fair	COMI	6" - 10"	6	4	1	TBD	
Protect	113	C162	Acer macrophyllum	Bigleaf maple	11.5	8.0, 8.2	Fair	Fair	COMI	10"-24"	8	5	2	TBD	
Protect	114	C162	Dead	Dead Douglas-fir	15.2		Dead	Dead	COMI	Dead snag	0	0	0	TBD	
Protect	115	C162	Acer macrophyllum	Bigleaf maple	7.0		Good	Good	COMI	6" - 10"	5	3	1	TBD	
Protect	116	C162	Pseudotsuga menziesii	Douglas-fir	11.2		Good	Good	COMI	10"-24"	7	5	2	TBD	
Protect	117	C162	Dead	Dead Douglas-fir	15.0		Dead	Dead	COMI	Dead snag	0	0	0	TBD	
Protect	118	C162	Pseudotsuga menziesii	Douglas-fir	14.0		Poor	Good	COMI	10"-24"	9	6	2	TBD	
Protect	119	C162	Arbutus menziesii	Pacific madrone	4.5	2.1,4.0	Good	Good	COMI	<6"	3	2	0	TBD	
Protect	120	C162	Salix sp. (native)	Willow	18.1	8.0, 10.0, 8.0, 10.0	Fair	Fair	COMI	Exceptional	12	8	6	Clearance pruning	
Protect	121	C162	Salix sp. (native)	Willow	10.6	8.0, 7.0,	Fair	Fair	COMI	Exceptional	7	4	6	Clearance pruning	
Protect	122	C162	Salix sp. (native)	Willow	10.0		Fair	Fair	COMI	Exceptional	7	4	6	Clearance pruning	
Protect	123	C162	Betula pendula	European white birch	13.6	9.6, 9.7	Good	Good	COMI	10"-24"	9	6	2	TBD	
Protect	124	C162	Fraxinus latifolia	Oregon ash	11.3		Good	Good	COMI	10"-24"	8	5	2	TBD	
Protect	125	C162	Pseudotsuga menziesii	Douglas-fir	15.8		Good	Good	COMI	10"-24"	11	7	2	TBD	
Protect	126	C162	Acer macrophyllum	Bigleaf maple	17.9	8.5, 15.7	Good	Good	COMI	10"-24"	12	7	2	TBD	
Protect	127	C162	Alnus rubra	Red alder	14.4		Good	Good	COMI	10"-24"	14	6	2	TBD	
Protect	128	C162	Salix sp. (native)	Willow	21.3	14.0, 16.0	Fair	Poor	COMI	Exceptional	21	9	6	Clearance pruning	
Protect	129	C162	Salix sp. (native)	Willow	17.0	8.0, 9.0, 12.0	Fair	Poor	COMI	Exceptional	17	7	6	Clearance pruning	
Protect	130	C162	Fraxinus latifolia	Oregon ash	16.3		Good	Good	COMI	10"-24"	16	7	2	TBD	
Protect	131	C162	Fraxinus latifolia	Oregon ash	18.0		Good	Fair	COMI	10"-24"	18	8	2	TBD	
Protect	132	C162	Crataegus monogyna	Common hawthorn	10.8	6.0, 6.0, 4.0, 5.0 2.0	Good	Fair	COMI	10"-24"	11	5	2	TBD	

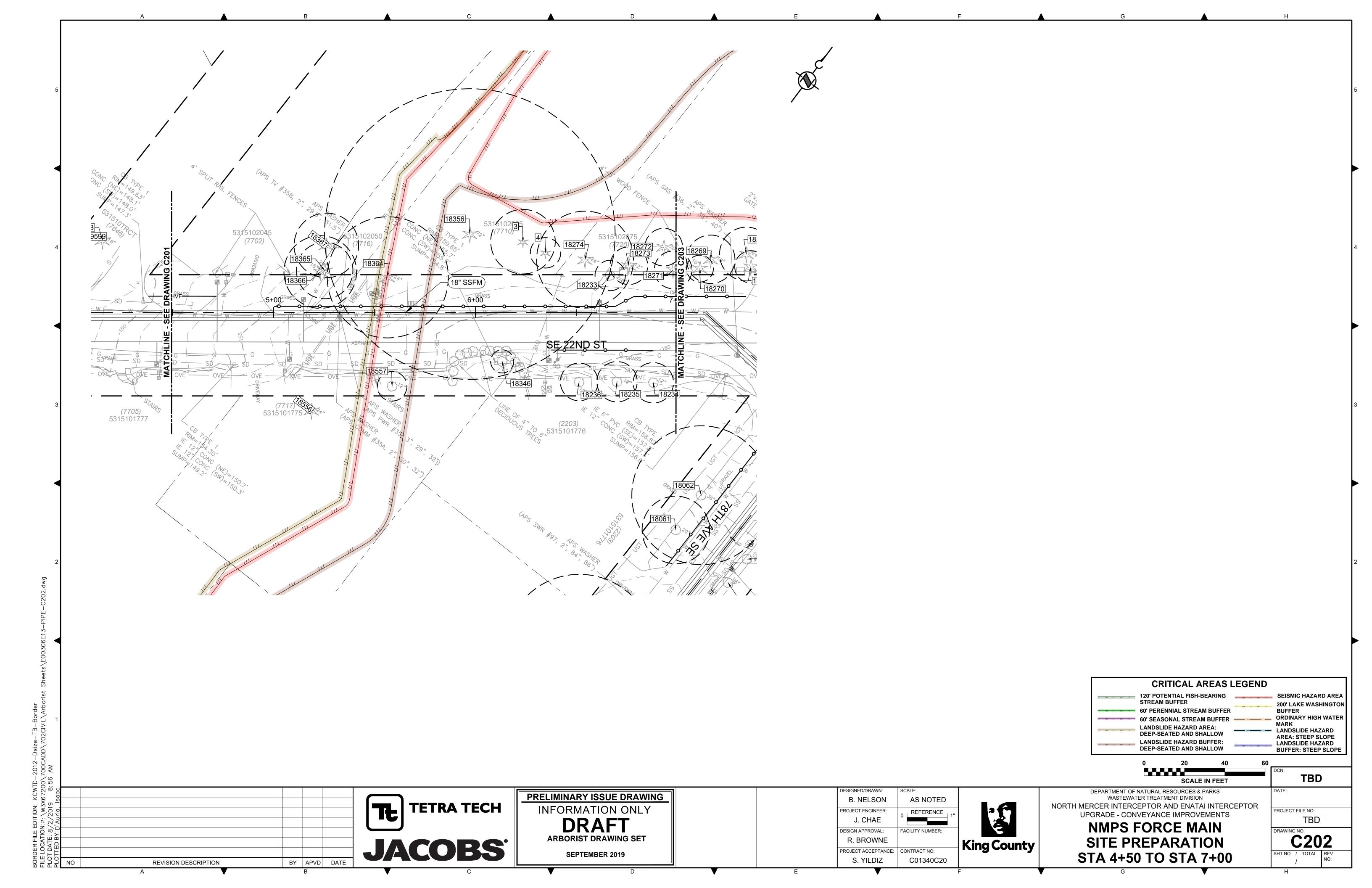




Mercer Island Tree Table DRAFT North Mercer Island and Enatai Upgrade Project

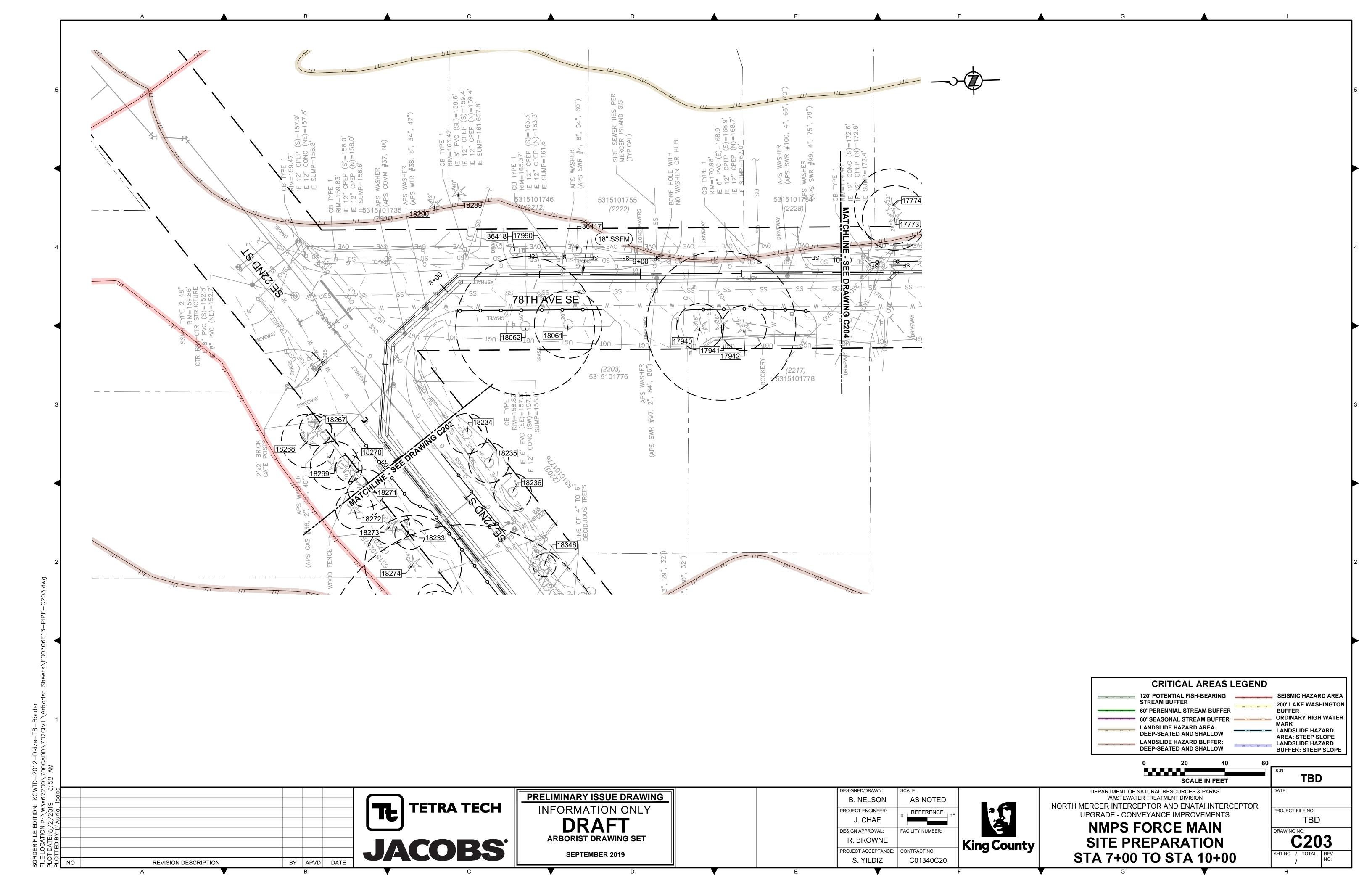
Proposed Action	Tree ID	Sheet	Scientific Name	Common Name	Single Stem Equivalent DSH (in)	Multiple Stem DSH (in)	Health Condition	Structural Condition	Jurisdictior	n Designation*	RLOD (ft)	MLOD (ft)	Replacements required	Removal Reason
Unimpacted	18657	C201	Prunus laurocerasus	English laurel	17.1	6,7,8,6,7,4,5,3,2,2	Good	Good	COMI	10"-24"	11	7	2	
Remove	19593	C201	Populus trichocarpa	Black cottonwood	23.0		Fair	Poor	COMI	10"-24"	23	10	2	Excavation within 8 ft of tree; poor condition
Unimpacted	19594	C201	Betula pendula	European white birch	8.9		Good	Good	COMI	6" - 10"	6	4	1	
Unimpacted	19595	C201	Pseudotsuga menziesii	Douglas-fir	15.0		Fair	Fair	PRIVATE	Large (Regulated) tree >10"	10	6	2	
Unimpacted	19596	C201	Picea abies	Norway spruce	8.0		Poor	Fair	COMI	6" - 10"	5	3	1	
Unimpacted	19597	C201	Pseudotsuga menziesii	Douglas-fir	16.0		Good	Good	PRIVATE	Large (Regulated) tree >10"	11	7	2	





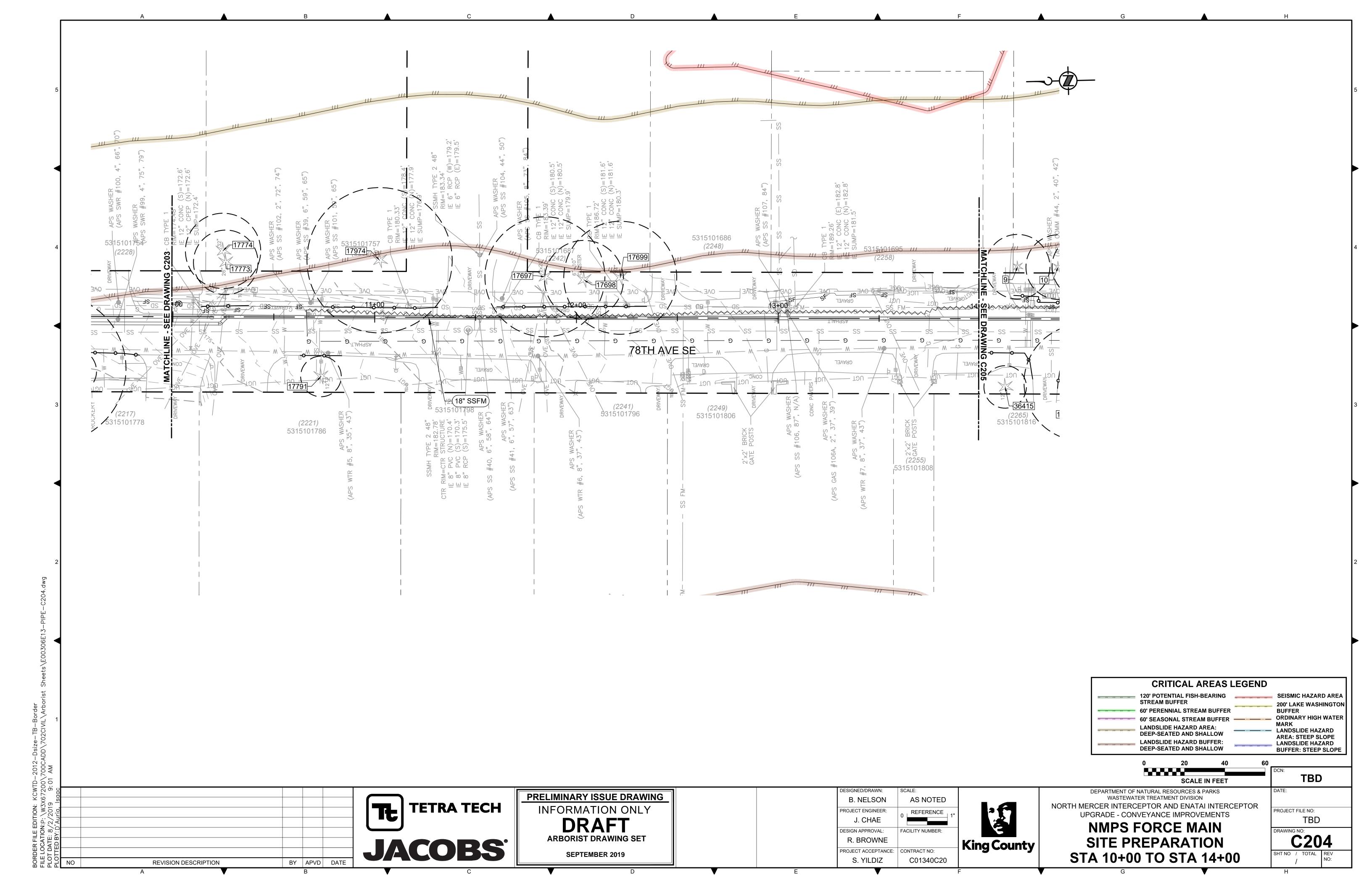
					Single Sten		l la alth	Churchinol					Replaceme	1	
	T ID		0 : 115 N	2	Equivalent		Health	Structural		.	DI OD (6)	M 05 (0)	ts required	B 1 2 2 1 1 1	
Proposed Action	on Tree ID	Sheet	Scientific Name	Common Name	DSH (in)	Multiple Stem DSH (in)	Condition	Condition		n Designation*	RLOD (ft)	MLOD (ft)	(Qty)	Protection Notes	Removal Reason
Unimpacted	3	C202	Pseudotsuga menziesii	Douglas-fir	24.0		Good	Good	PRIVATE	Large (Regulated) tree >10"	16	10	3		
Unimpacted	4	C202	Pinus thunbergii	Japanese black pine	11.3	8, 8	Fair	Fair	PRIVATE	Large (Regulated) tree >10"	8	5	2		
Unimpacted	18233	C202	Quercus robur	English oak	11.3	8, 8	Good	Good	PRIVATE	Large (Regulated) tree >10"	8	5	2		
Protect	18234	C202	Prunus cerasifera	Purple leaf plum	15.0		Fair	Poor	COMI	10"-24"	10	6	2	Chainlink fencing at pavement edge	
Protect	18235	C202	Prunus cerasifera	Purple leaf plum	15.0		Fair	Poor	COMI	10"-24"	10	6	2	Chainlink fencing at pavement edge	
Protect	18236	C202	Prunus cerasifera	Purple leaf plum	14.0		Fair	Poor	COMI	10"-24"	9	6	2	Chainlink fencing at pavement edge	
Unimpacted	18271	C202	Pseudotsuga menziesii	Douglas-fir	14.0		Good	Good	PRIVATE	Large (Regulated) tree >10"	9	6	2		
Unimpacted	18272	C202	Liquidambar styraciflua	American sweetgum	14.0		Good	Good	PRIVATE	Large (Regulated) tree >10"	9	6	2		
Unimpacted	18273	C202	Pseudotsuga menziesii	Douglas-fir	14.0		Good	Good	PRIVATE	Large (Regulated) tree >10"	9	6	2		
Protect	18274	C202	Thuja plicata	Western redcedar	24.0		Fair	Fair	PRIVATE	Large (Regulated) tree >10"	24	10	3	Place chainlink fencing within 2 ft of trench wall	
Unimpacted	18346	C202	Prunus lusitanica	Portugese cherry laurel	8.6	5.8, 6.4	Good	Good	COMI	6" - 10"	6	4	1		
Protect	18356	C202	Sequoiadendron giganteum	Giant sequoia	72.0		Good	Good	PRIVATE	Exceptional	72	30	6	Place chainlink fencing within 2 ft of trench wall	
Protect	18364	C202	Thuja plicata	Western redcedar	30.0		Fair	Good	COMI	24"-36"	30	13	3	Place chainlink fencing within 2 ft of trench wall	
Unimpacted	18365	C202	Thuja plicata	Western redcedar	14.0		Good	Good	PRIVATE	Large (Regulated) tree >10"	14	6	2		
Protect	18366	C202	Thuja plicata	Western redcedar	18.0		Good	Good	PRIVATE	Large (Regulated) tree >10"	18	8	2	Place chainlink fencing within 2 ft of trench wall	
Unimpacted	18367	C202	Quercus robur	English oak	24.0		Good	Good	PRIVATE	Large (Regulated) tree >10"	16	10	3		
Unimpacted	18557	C202	Prunus serrulata	Ornamental cherry	11.0		Good	Good	COMI	10"-24"	7	5	2		





					Single Stem							Replaceme	n	
					Equivalent	Health	Structural					ts required		
Proposed Action	Tree ID	Sheet	Scientific Name	Common Name	DSH (in) Multiple Stem DSH (in)	Condition	Condition	Jurisdiction	Designation*	RLOD (ft)	MLOD (ft)	(Qty)		Removal Reason
Protect	17940	C203	Pinus sylvestris	Scotch pine	17.4	Good	Good	COMI	10"-24"	12	7	2	Chainlink fencing at edge of asphalt, NOT gravel. Note on dwg "removal of asphalt within 15 ft of tree requires arborist present".	
Protect	17941	C203	Cedrus deodara	Deodar cedar	37.0	Good	Good	COMI	Exceptional	37	15	6	Chainlink fencing at edge of asphalt, NOT gravel. Note on dwg "removal of asphalt within 15 ft of tree requires arborist present".	
rotect	17942	C203	Pseudotsuga menziesii	Douglas-fir	16.8	Good	Good	COMI	10"-24"	11	7	2	Chainlink fencing at edge of asphalt, NOT gravel. Note on dwg "removal of asphalt within 15 ft of tree requires arborist present".	
Protect	17990	C203	Carpinus betulus	Hornbeam	<6	Good	Good	COMI	<6"	0	0	0	Limit root disturbance within 5 ft of tree e	xcavation 7 ft from tree
rotect	18061	C203	Ulmus sp.	Elm	25.1	Good	Good	COMI	24"-36"	17	10	3	Chainlink fencing at edge of asphalt, NOT gravel. Note on dwg "removal of asphalt within 15 ft of tree requires arborist present".	
rotect	18062	C203	Acer saccharinum	Silver maple	34.4	Good	Good	COMI	Exceptional	34	14	6	Chainlink fencing at edge of asphalt, NOT gravel. Note on dwg "removal of asphalt within 15 ft of tree requires arborist present".	
otect	18267	C203	Pinus strobus	Eastern white pine	12.0	Good	Good	PRIVATE	Large (Regulated) tree >10"	8	5	2	Overhead clearance issues. Keep fence outside of drip line.	
otect	18268	C203	Picea abies	Norway spruce	20.0	Fair	Good	PRIVATE	Large (Regulated) tree >10"	13	8	2	Overhead clearance issues. Keep fence outside of drip line.	
nimpacted	18269	C203	Pseudotsuga menziesii	Douglas-fir	18.0	Good	Good	PRIVATE	Large (Regulated) tree >10"	12	8	2		
impacted	18270	C203	Pseudotsuga menziesii	Douglas-fir	10.0	Good	Good	PRIVATE	Large (Regulated) tree >10"	7	4	2		
nimpacted	18289	C203	Pinus nigra	Pine	not assessed	good	0	PRIVATE	Large (Regulated) tree >10"	0	0	2		
nimpacted	18290	C203	Sequoiadendron giganteum	Giant redwood	not assessed	Good	Good	PRIVATE	Exceptional	0	0	6		
otect	36417	C203	Carpinus betulus	Hornbeam	<6	Good	Good	COMI	<6"	0	0	0	Limit root disturbance within 5 ft of tree e	xcavation 7 ft from tree
otect	36418	C203	Carpinus betulus	Hornbeam	<6	Good	Good	COMI	<6"	0	0	0	Limit root disturbance within 5 ft of tree e	xcavation 7 ft from tree

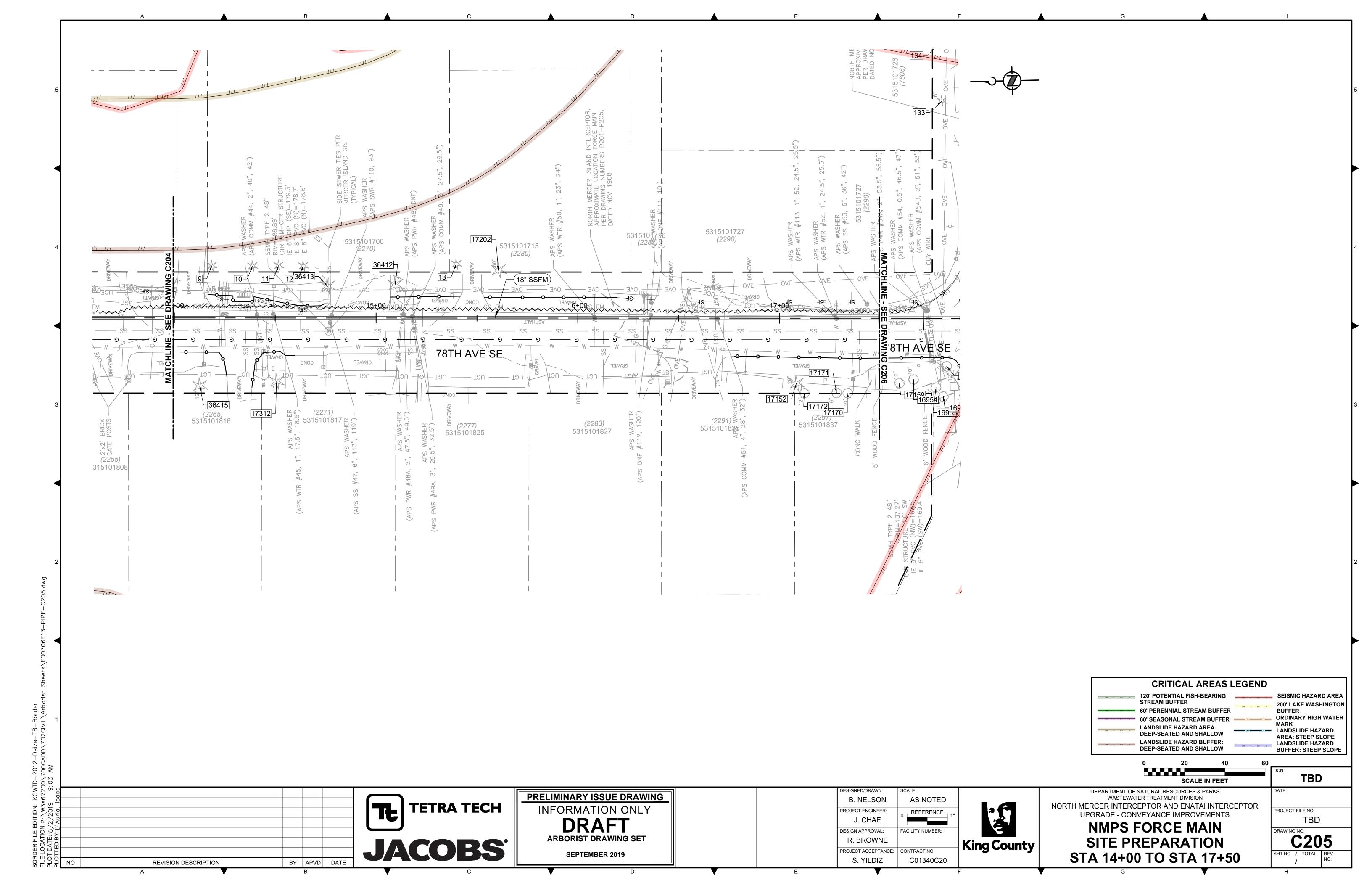




Mercer Island Tree Table DRAFT North Mercer Island and Enatai Upgrade Project

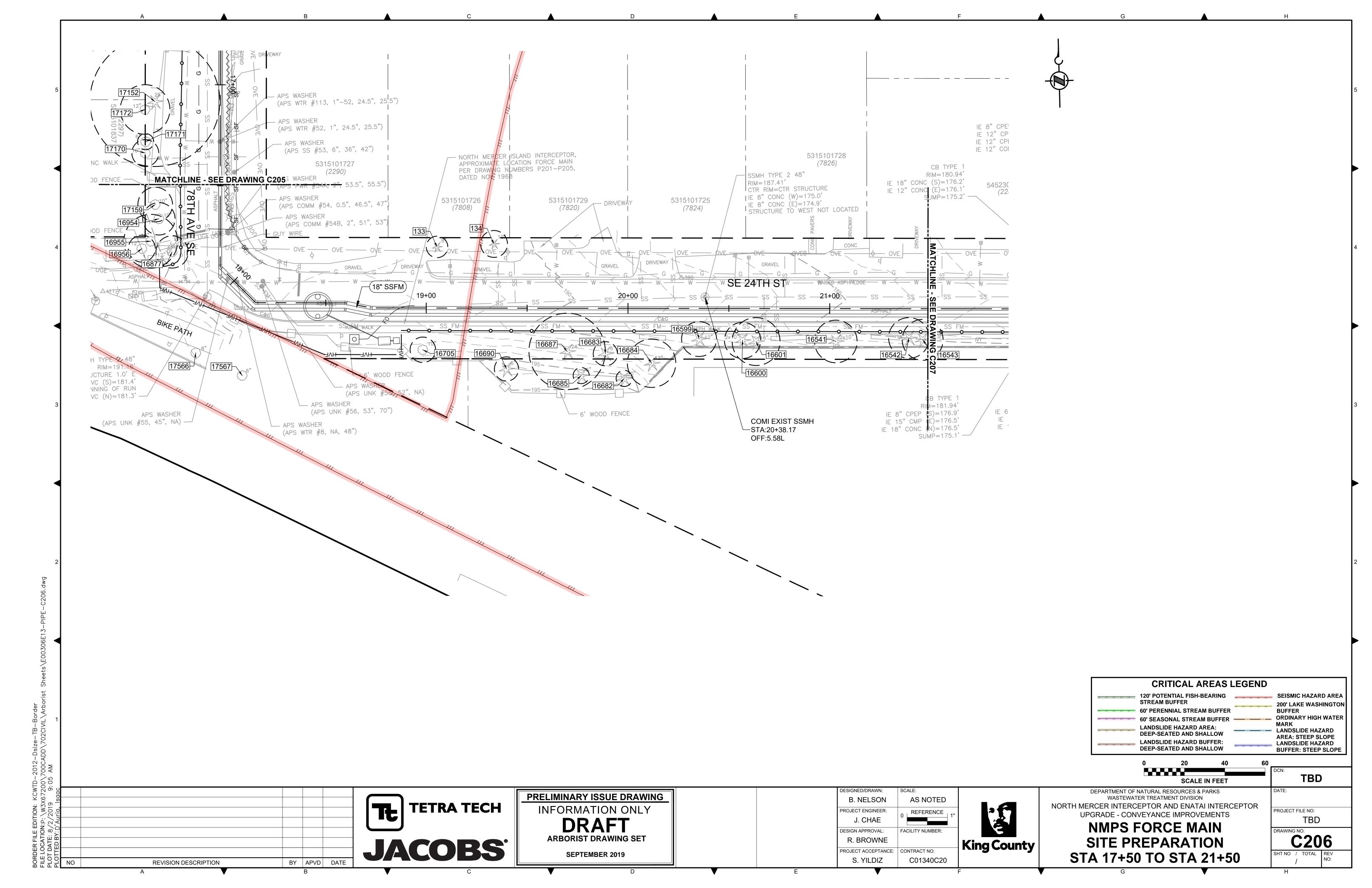
					Single Sten Equivalent		Health	Structural					Replacer ts require	
Proposed Action	Tree ID	Sheet	Scientific Name	Common Name	DSH (in)	Multiple Stem DSH (in)	Condition	Condition	Jurisdiction	n Designation*	RLOD (ft)	MLOD (ft)	(Qty)	Protection Notes Removal Reason
Protect	17697	C204	Thuja plicata	Western redcedar	29.7	20, 22	Good	Fair	COMI	24"-36"	30	12	3	Install chainlink fencing at edge of gravel
Protect	17698	C204	Thuja plicata	Western redcedar	19.6	10,9,11,9	Good	Fair	COMI	10"-24"	20	8	2	Install chainlink fencing at edge of gravel
Protect	17699	C204	Thuja plicata	Western redcedar	28.0		Good	Fair	COMI	24"-36"	28	12	3	Install chainlink fencing at edge of gravel
Protect	17773	C204	Pseudotsuga menziesii	Douglas-fir	24.0		Good	Good	PRIVATE	Large (Regulated) tree >10"	16	10	3	Chainlink fence outside of MLOD
Unimpacted	17774	C204	Pseudotsuga menziesii	Douglas-fir	28.0		Good	Good	PRIVATE	Large (Regulated) tree >10"	19	12	3	
Protect	17791	C204	Pinus densiflora	Japanese red pine	15.1		Fair	Fair	COMI	10"-24"	10	6	2	Install chainlink fence at edge of asphalt
Protect	17974	C204	Thuja plicata	Western redcedar	36.0		Good	Good	PRIVATE	Exceptional	36	15	6	Chainlink fence at gravel/asphalt edge





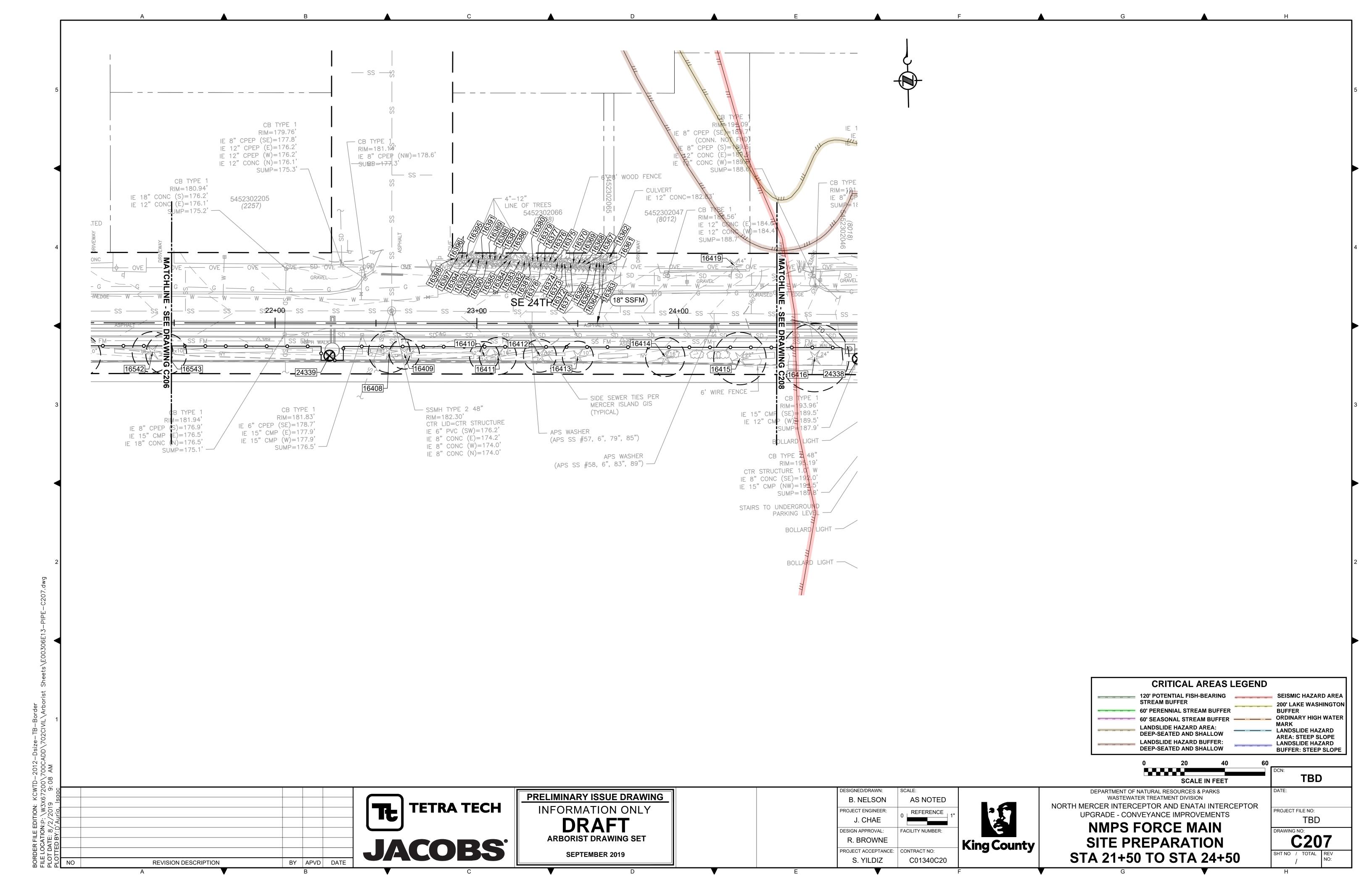
					Single Sten	n							Replaceme	
					Equivalent		Health	Structural					ts required	
Proposed Action	n Tree ID	Sheet	Scientific Name	Common Name	DSH (in)	Multiple Stem DSH (in)	Condition	Condition	Jurisdiction	n Designation*	RLOD (ft)	MLOD (ft)	(Qty)	Protection Notes Removal Reason
Protect	9	C205	Ulmus rubra	Slippery elm	24.0		Good	Good	PRIVATE	Large (Regulated) tree >10"	16	10	3	Chainlink fencing at edge of asphalt
Protect	10	C205	Populus nigra	Lombardy poplar	24.0		Good	Good	PRIVATE	Large (Regulated) tree >10"	16	10	3	Chainlink fencing at edge of asphalt
Protect	11	C205	Populus nigra	Lombardy poplar	24.0		Good	Good	PRIVATE	Large (Regulated) tree >10"	16	10	3	Chainlink fencing at edge of asphalt
Protect	12	C205	Populus nigra	Lombardy poplar	24.0		Good	Good	PRIVATE	Large (Regulated) tree >10"	16	10	3	Chainlink fencing at edge of asphalt
Protect	13	C205	Thuja plicata	Western redcedar	24.0		Good	Good	PRIVATE	Large (Regulated) tree >10"	24	10	3	Chainlink fencing at edge of asphalt
Protect	17152	C205	Pseudotsuga menziesii	Douglas-fir	32.2		Good	Good	COMI	Exceptional	32	13	6	Chainlink fencing at edge of asphalt; signage
Unimpacted	17170	C205	Acer platanoides	Norway maple	10.0		Good	Good	PRIVATE	Large (Regulated) tree >10"	7	4	2	
Unimpacted	17171	C205	Sorbus aucuparia	European mountain ash	6.0		Fair	Fair	COMI	6" - 10"	4	3	1	
Unimpacted	17172	C205	Prunus cerasifera	Purple leaf plum	18.4	12,14	Good	Good	PRIVATE	Large (Regulated) tree >10"	12	8	2	
Protect	17202	C205	Sequoia sempervirens	Coast redwood	60.0		Good	Good	PRIVATE	Exceptional	60	25	6	Chainlink fence at edge of asphalt, have arborist present during
														excavation. DO not allow roots to be ripped.
Protect	17312	C205	Thuja plicata	Western redcedar	28.8		Fair	Good	COMI	24"-36"	29	12	3	Chainlink fencing at edge of asphalt
Protect	36415	C205	Pinus contorta v. contorta	Shore pine	15.8		Good	Good	COMI	Exceptional	11	7	6	Chainlink fencing at edge of asphalt





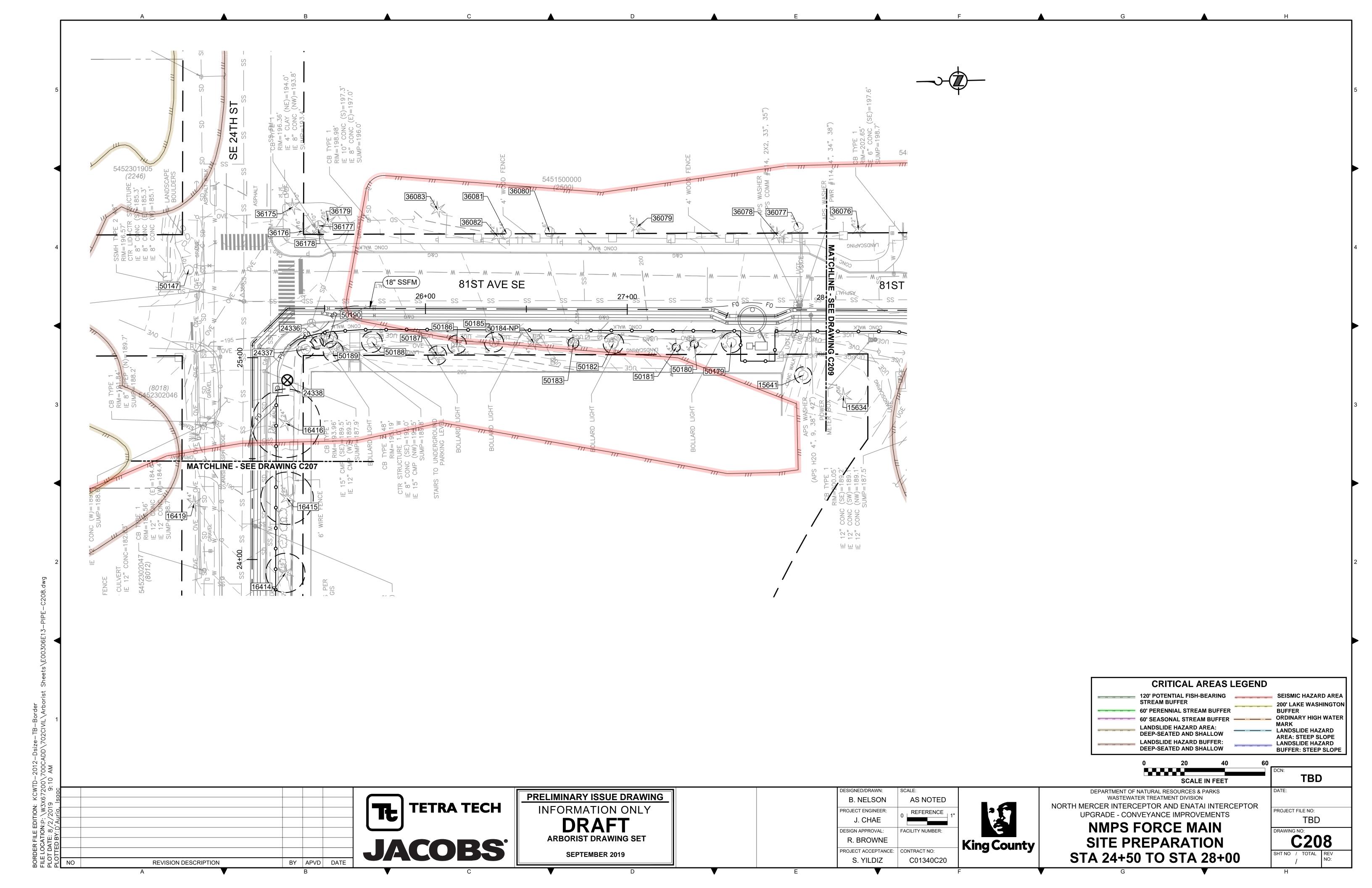
					Single Stem								Replaceme	n	
					Equivalent		Health	Structural					ts required		
Proposed Action		Sheet	Scientific Name	Common Name	DSH (in)	Multiple Stem DSH (in)	Condition	Condition		n Designation*	RLOD (ft)	MLOD (ft)	(Qty)	Protection Notes Rem	oval Reason
Unimpacted	133	C206	Pinus contorta var. contorta	Shorepine	8.0		Good	Good	COMI	6" - 10"	5	3	1		
Unimpacted	134	C206	Pinus contorta var. contorta	Shorepine	10.0		Good	Good	COMI	10"-24"	7	4	2		
Protect	16541	C206	Calocedrus decurrans	Incense cedar	15.8	11.4,11	Fair	Fair	COMI	10"-24"	11	7	2	Retain sidewalk during construction; chainlink fence at edge of sidewalk.	
Protect	16542	C206	Calocedrus decurrans	Incense cedar	15.1		Good	Good	COMI	10"-24"	10	6	2	Retain sidewalk during construction; chainlink fence at edge of sidewalk.	
Protect	16543	C206	Calocedrus decurrans	Incense cedar	15.2	10.5,11	Fair	Fair	COMI	10"-24"	10	6	2	Retain sidewalk during construction; chainlink fence at edge of sidewalk.	
Protect	16599	C206	Calocedrus decurrans	Incense cedar	13.0		Fair	Fair	COMI	10"-24"	9	5	2	Retain sidewalk during construction; chainlink fence at edge of sidewalk.	
Protect	16600	C206	Calocedrus decurrans	Incense cedar	13.5	10,9	Good	Fair	COMI	10"-24"	9	6	2	Retain sidewalk during construction; chainlink fence at edge of sidewalk.	
Protect	16601	C206	Calocedrus decurrans	Incense cedar	17.8		Good	Good	COMI	10"-24"	12	7	2	Retain sidewalk during construction; chainlink fence at edge of sidewalk.	
Unimpacted	16682	C206	Pseudotsuga menziesii	Douglas-fir	6.0		Good	Good	PRIVATE	<10"	4	3	0		
Jnimpacted	16683	C206	Thuja plicata	Western redcedar	6.0		Good	Good	COMI	6" - 10"	6	3	1		
Jnimpacted	16684	C206	Calocedrus decurrans	Incense cedar	18.0		Good	Good	COMI	10"-24"	12	8	2		
Unimpacted	16685	C206	Pseudotsuga menziesii	Douglas-fir	6.0		Good	Good	PRIVATE	<10"	4	3	0		
Protect	16687	C206	Pseudotsuga menziesii	Douglas-fir	28.4		Good	Good	COMI	24"-36"	19	12	3	Retain sidewalk during construction; chainlink fence at edge of sidewalk.	
Jnimpacted	16690	C206	Thuja plicata	Western redcedar	6.0		Good	Good	PRIVATE	<10"	6	3	0		
Jnimpacted	16705	C206	Acer rubrum	Red maple	9.5		Good	Good	COMI	6" - 10"	6	4	1		
Protect	16877	C206	Acer rubrum	Red maple	12.0		Good	Fair	COMI	10"-24"	8	5	2	Install chainlink fence at edge of asphalt	
Jnimpacted	16954	C206	Acer pensylvanicum	Stripe bark maple	12.0	9,8	Fair	Fair	COMI	10"-24"	8	5	2		
Jnimpacted	16955	C206	Prunus cerasifera	Purple leaf plum	20.0		Good	Good	COMI	10"-24"	13	8	2		
Jnimpacted	16956	C206	Betula pendula	European white birch	10.0		Fair	Good	COMI	10"-24"	7	4	2		
Jnimpacted	17159	C206	Prunus cerasifera	Purple leaf plum	12.9	8,4,5,6,4,3	Fair	Fair	COMI	10"-24"	9	5	2		





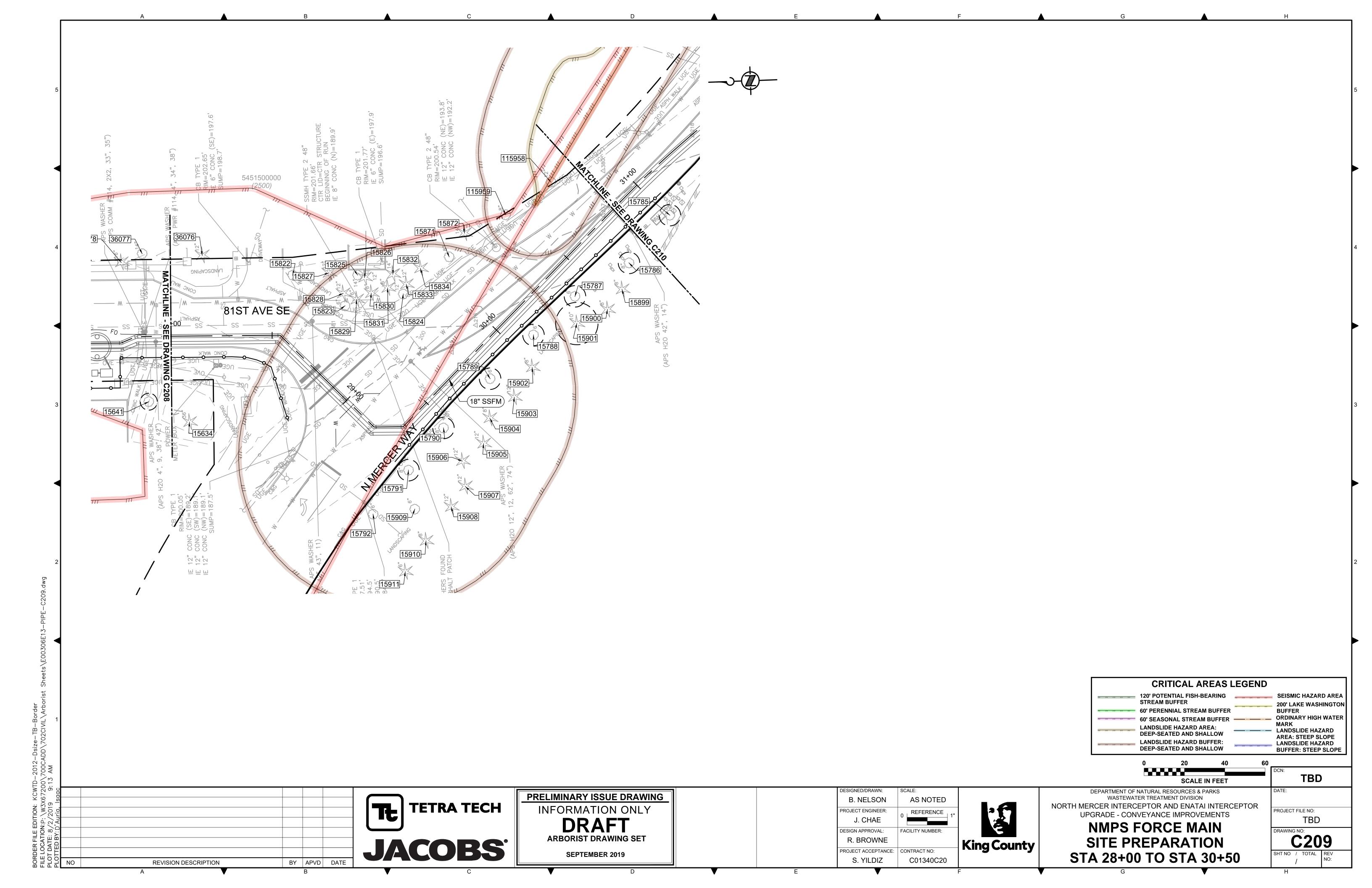
					Single Stor	n							Replaceme	on
					Single Ster Equivalent		Health	Structural					ts required	
Proposed Action	on Tree ID	Sheet	Scientific Name	Common Name	DSH (in)	Multiple Stem DSH (in)	Condition	Condition	Jurisdictio	n Designation*	RLOD (ft)	MLOD (ft)	(Qty)	Protection Notes Removal Reason
Unimpacted	16361	C207	Thuja plicata	Western redcedar	various	manipo etem zeri (iii)	Fair	Fair	COMI	6"-10"	0	0	0	Tomoral readon
Unimpacted	16362	C207	Thuja plicata	Western redcedar	various		Fair	Fair	COMI	6"-10"	0	0	0	
Unimpacted	16363	C207	Thuja plicata	Western redcedar	various		Fair	Fair	COMI	6"-10"	0	0	0	
Unimpacted	16364	C207	Thuja plicata	Western redcedar	various		Fair	Fair	COMI	6"-10"	0	0	0	
Unimpacted	16365	C207	Thuja plicata	Western redcedar	various		Fair	Fair	COMI	6"-10"	0	0	0	
Unimpacted	16366	C207	Thuja plicata	Western redcedar	various		Fair	Fair	COMI	6"-10"	0	0	0	
Unimpacted	16367	C207	Thuja plicata	Western redcedar	various		Fair	Fair	COMI	6"-10"	0	0	0	
Unimpacted	16368	C207	Thuja plicata	Western redcedar	various		Fair	Fair	COMI	6"-10"	0	0	0	
Unimpacted	16369	C207	Thuja plicata	Western redcedar	various		Fair	Fair	COMI	6"-10"	0	0	0	
Unimpacted	16370	C207	Thuja plicata	Western redcedar	various		Fair	Fair	COMI	6"-10"	0	0	0	
Unimpacted	16371	C207	Thuja plicata	Western redcedar	various		Fair	Fair	COMI	6"-10"	0	0	0	
Unimpacted	16372	C207	Thuja plicata	Western redcedar	various		Fair	Fair	COMI	6"-10"	0	0	0	
Unimpacted	16373	C207	Thuja plicata	Western redcedar	various		Fair	Fair	COMI	6"-10"	0	0	0	
Unimpacted	16374	C207	Thuja plicata	Western redcedar	various		Fair	Fair	COMI	6"-10"	0	0	0	
Unimpacted	16375	C207	Thuja plicata	Western redcedar	various		Fair	Fair	COMI	6"-10"	0	0	0	
Unimpacted	16376	C207	Thuja plicata	Western redcedar	various		Fair	Fair	COMI	6"-10"	0	0	0	
Unimpacted	16377	C207	Thuja plicata	Western redcedar	various		Fair	Fair	COMI	6"-10"	0	0	0	
Unimpacted	16378	C207	Thuja plicata	Western redcedar	various		Fair	Fair	COMI	6"-10"	0	0	0	
Unimpacted	16379	C207	Thuja plicata	Western redcedar	various		Fair	Fair	COMI	6"-10"	0	0	0	
Unimpacted	16380	C207	Thuja plicata	Western redcedar	various		Fair	Fair	COMI	6"-10"	0	0	0	
Unimpacted	16381	C207	Thuja plicata	Western redcedar	various		Fair - :	Fair	COMI	6"-10"	0	0	0	
Unimpacted	16382	C207	Thuja plicata	Western redcedar	various		Fair	Fair	COMI	6"-10"	0	0	0	
Unimpacted	16383	C207	Thuja plicata	Western redcedar	various		Fair	Fair	COMI	6"-10"	0	0	0	
Unimpacted	16384	C207	Thuja plicata	Western redcedar	various		Fair	Fair	COMI	6"-10"	0	0	0	
Unimpacted	16385	C207	Thuja plicata	Western redcedar	various		Fair	Fair	COMI	6"-10"	0	0	0	
Unimpacted	16386	C207	Thuja plicata	Western redcedar	various		Fair	Fair	COMI	6"-10"	0	0	0	
Unimpacted	16387	C207	Thuja plicata	Western redcedar	various		Fair	Fair	COMI	6"-10"	0	0	0	
Unimpacted	16388	C207	Thuja plicata	Western redcedar	various		Fair	Fair	COMI	6"-10"	0	0	0	
Unimpacted	16389	C207	Thuja plicata	Western redeedar	various		Fair	Fair	COMI	6"-10"	0	0	0	
Unimpacted	16390	C207	Thuja plicata	Western redeeder	various		Fair	Fair	COMI	6"-10" 6"-10"	0	0	0	
Unimpacted	16391 16392	C207	Thuja plicata	Western redeeder	various		Fair	Fair Fair	COMI	6"-10"	0	0	0	
Unimpacted	16392	C207 C207	Thuja plicata	Western redcedar Western redcedar	various various		Fair Fair	Fair	COMI	6"-10"	0	0	0	
Unimpacted	16393	C207	Thuja plicata	Western redcedar	various		Fair	Fair	COMI	6"-10"	0	0	0	
Unimpacted	16395	C207	Thuja plicata	Western redcedar	various		Fair	Fair	COMI	6"-10"	0	0	0	
Unimpacted Unimpacted	16396	C207	Thuja plicata	Western redcedar	various		Fair	Fair	COMI	6"-10"	0	0	0	
Unimpacted	16397	C207	Thuja plicata Thuja plicata	Western redcedar	various		Fair	Fair	COMI	6"-10"	0	0	0	
Unimpacted	16398	C207	Thuja plicata Thuja plicata	Western redcedar	various		Fair	Fair	COMI	6"-10"	0	0	0	
Protect	16408	C207	Calocedrus decurrans	Incense cedar	15.5		Fair	Fair	COMI	10"-24"	10	6	2	TBD
Protect	16409	C207	Calocedrus decurrans	Incense cedar	11.2		Fair	Fair	COMI	10"-24"	7	5	2	Retain sidewalk during construction; chainlink fence at edge of sidewalk.
1 101001	10707	0201	Caloccaras accurrans	moonso coudi	11.4		ı uli	ı uli	COMI	10 27	,	J	<u>_</u>	Notain sidewaik during construction, chairmink torice at cage of sidewaik.
Protect	16410	C207	Calocedrus decurrans	Incense cedar	11.0		Fair	Fair	COMI	10"-24"	7	5	2	Retain sidewalk during construction; chainlink fence at edge of sidewalk.
Protect	16411	C207	Calocedrus decurrans	Incense cedar	13.8		Fair	Fair	COMI	10"-24"	9	6	2	Retain sidewalk during construction; chainlink fence at edge of sidewalk.
Drotost	1/110	0207	Calacadeus de sur	Innones as de-	10.0		Fa!#	Fo!=	COM	10 24	0	Г	2	Detain eidewelk during construction, she inlink force at adap of sidewells
Protect	16412	C207	Calocedrus decurrans	Incense cedar	12.2		Fair	Fair	COMI	10"-24"	8	5	2	Retain sidewalk during construction; chainlink fence at edge of sidewalk.
Protect	16413	C207	Calocedrus decurrans	Incense cedar	11.5		Fair	Fair	COMI	10"-24"	8	5	2	Retain sidewalk during construction; chainlink fence at edge of sidewalk.
Desta	1/11	0007	Colored	la sacra d	447		F.'.	F.'	0014	10" 0 4"	10		2	
Protect	16414	C207	Calocedrus decurrans	Incense cedar	14.6		Fair	Fair	COMI	10"-24"	10	6	2	Retain sidewalk during construction; chainlink fence at edge of sidewalk.
Protect	16415	C207	Calocedrus decurrans	Incense cedar	19.5		Good	Good	COMI	10"-24"	13	8	2	TBD
Remove	24339	C207	Calocedrus decurrans	Incense cedar	17.9	14.8, 10	Fair	Fair	COMI	10"-24"	12	7	2	Grading within RLOD
TOMOVO	2 1007	0207	Caloodias doddirans	orioo ooddi	17.7		. uii	i dii	JOIVII	15 21	12	,	_	Grading Willin NEOD





					Single Stem Equivalent		Health	Structural					Replaceme ts required		
Proposed Action	Tree ID	Sheet	Scientific Name	Common Name		Multiple Stem DSH (in)	Condition	Condition	Jurisdiction	n Designation*	RLOD (ft)	MLOD (ft)	(Qty)	Protection Notes	Removal Reason
Jnimpacted	15641	C208	Acer rubrum	Red maple	6.3		Good	Good	PRIVATE	<10"	4	3	0		
Protect	16416	C208	Calocedrus decurrans	Incense cedar	25.5		Good	Good	COMI	24"-36"	17	11	3	Maintain fencing at edge of sidewalk until demolition of sidewalk. Arborist must be present on site when excavation occurs for the vault.	
Protect	24336	C208	Acer circinatum	Vine maple	4.7	2, 2, 2, 2, 1.5, 1, 1, 1, 1	Good	Good	COMI	<6"	3	2	0	Keep root ball moist during excavation; Mulch, and cover exposed soil (face of excavation) with clear plastic to keep from drying out.	
Protect	24337	C208	Chamaecyparis obtusa	Hinoki sypress	6.5		Good	Good	COMI	6" - 10"	4	3	1	Keep root ball moist during excavation; Mulch, and cover exposed soil (face of excavation) with clear plastic to keep from drying out.	
Remove	24338	C208	Acer circinatum	Vine maple	6.6	3, 3, 3, 3, 2, 2	Good	Good	COMI	6" - 10"	4	3	1		Excavation 1 ft from trunk
rotect	50179	C208	Acer rubrum	Red maple	7.5		Good	Good	COMI	6" - 10"	5	3	1	Retain sidewalk during construction; chainlink fence at edge of sidewalk	
rotect	50180	C208	Chamaecyparis obtusa	Hinoki sypress	3.0		Good	Good	COMI	<6"	2	1	0	Retain sidewalk during construction; chainlink fence at edge of sidewalk	
rotect	50181	C208	Chamaecyparis obtusa	Hinoki sypress	3.0		Fair	Good	COMI	<6"	2	1	0	Retain sidewalk during construction; chainlink fence at edge of sidewalk	
rotect	50182	C208	Acer rubrum	Red maple	7.6		Good	Good	COMI	6" - 10"	5	3	1	Retain sidewalk during construction; chainlink fence at edge of sidewalk	
rotect	50183	C208	Chamaecyparis obtusa	Hinoki sypress	4.0		Good	Good	COMI	<6"	3	2	0	Retain sidewalk during construction; chainlink fence at edge of sidewalk	
nimpacted	50184	C208	Chamaecyparis obtusa	Hinoki sypress	<6		Not Present	Not Present	COMI	<6"	n/a	n/a	0		
rotect	50185	C208	Acer rubrum	Red maple	7.2		Good	Good	COMI	6" - 10"	5	3	1	Retain sidewalk during construction; chainlink fence at edge of sidewalk	
rotect	50186	C208	Chamaecyparis obtusa	Hinoki sypress	7.0		Good	Good	COMI	6" - 10"	5	3	1	Retain sidewalk during construction; chainlink fence at edge of sidewalk	
nimpacted	50187	C208	Chamaecyparis obtusa	Hinoki sypress	7.0		Good	Good	PRIVATE	<10"	5	3	0		
rotect	50188	C208	Acer rubrum	Red maple	7.7		Good	Good	COMI	6" - 10"	5	3	1	Retain sidewalk during construction; chainlink fence at edge of sidewalk.	
nimpacted	50189	C208	Chamaecyparis obtusa	Hinoki sypress	7.5		Good	Good	COMI	6" - 10"	5	3	1		
Protect	50190	C208	Acer circinatum	Vine maple	6.5	3.3, 2.5, 2.5, 2.5, 2, 3	Good	Good	COMI	6" - 10"	4	3	1	Keep root ball moist during excavation; Mulch, and cover exposed soil (face of excavation) with clear plastic to keep from drying out.	

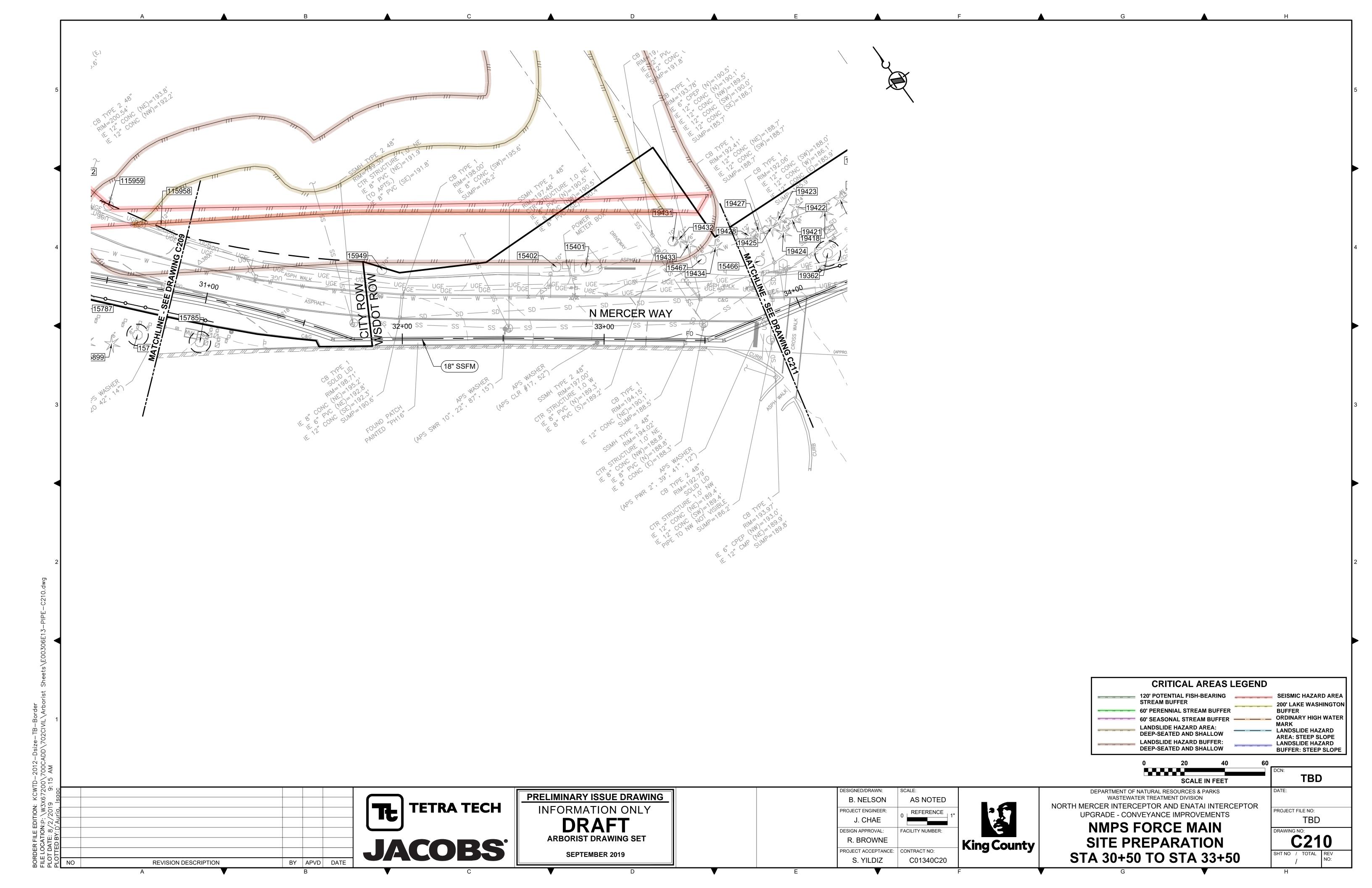




Mercer Island Tree Table DRAFT North Mercer Island and Enatai Upgrade Project Appendix F August 2, 2019

Proposed Actio	n Tree ID	Sheet	Scientific Name	Common Name	Single Stem Equivalent DSH (in) Multiple Stem DSH (in)		Structural Condition	Jurisdiction	Designation*	RLOD (ft)	MLOD (ft)	Replaceme ts required (Qty)	
Protect	15786	C209	Acer platanoides	Norway maple	8.0	Good	Good	WSDOT	Category 2	5	3	8	Retain sidewalk during construction; chainlink fence at edge of sidewalk.
Protect	15787	C209	Acer platanoides	Norway maple	8.0	Good	Good	WSDOT	Category 2	5	3	8	Retain curb during construction; chainlink fence at edge of curb
Protect	15788	C209	Acer platanoides	Norway maple	8.0	Good	Good	WSDOT	Category 2	5	3	8	Retain curb during construction; chainlink fence at edge of curb
Protect	15789	C209	Acer platanoides	Norway maple	8.0	Good	Good	WSDOT	Category 2	5	3	8	Retain curb during construction; chainlink fence at edge of curb
Protect	15790	C209	Acer platanoides	Norway maple	8.0	Good	Good	WSDOT	Category 2	5	3	8	Retain curb during construction; chainlink fence at edge of curb
Protect	15791	C209	Acer platanoides	Norway maple	8.0	Good	Good	WSDOT	Category 2	5	3	8	Retain curb during construction; chainlink fence at edge of curb
Unimpacted	15901	C209	Thuja plicata	Western redcedar	10.5	Poor	Good	COMI	10"-24"	11	4	2	



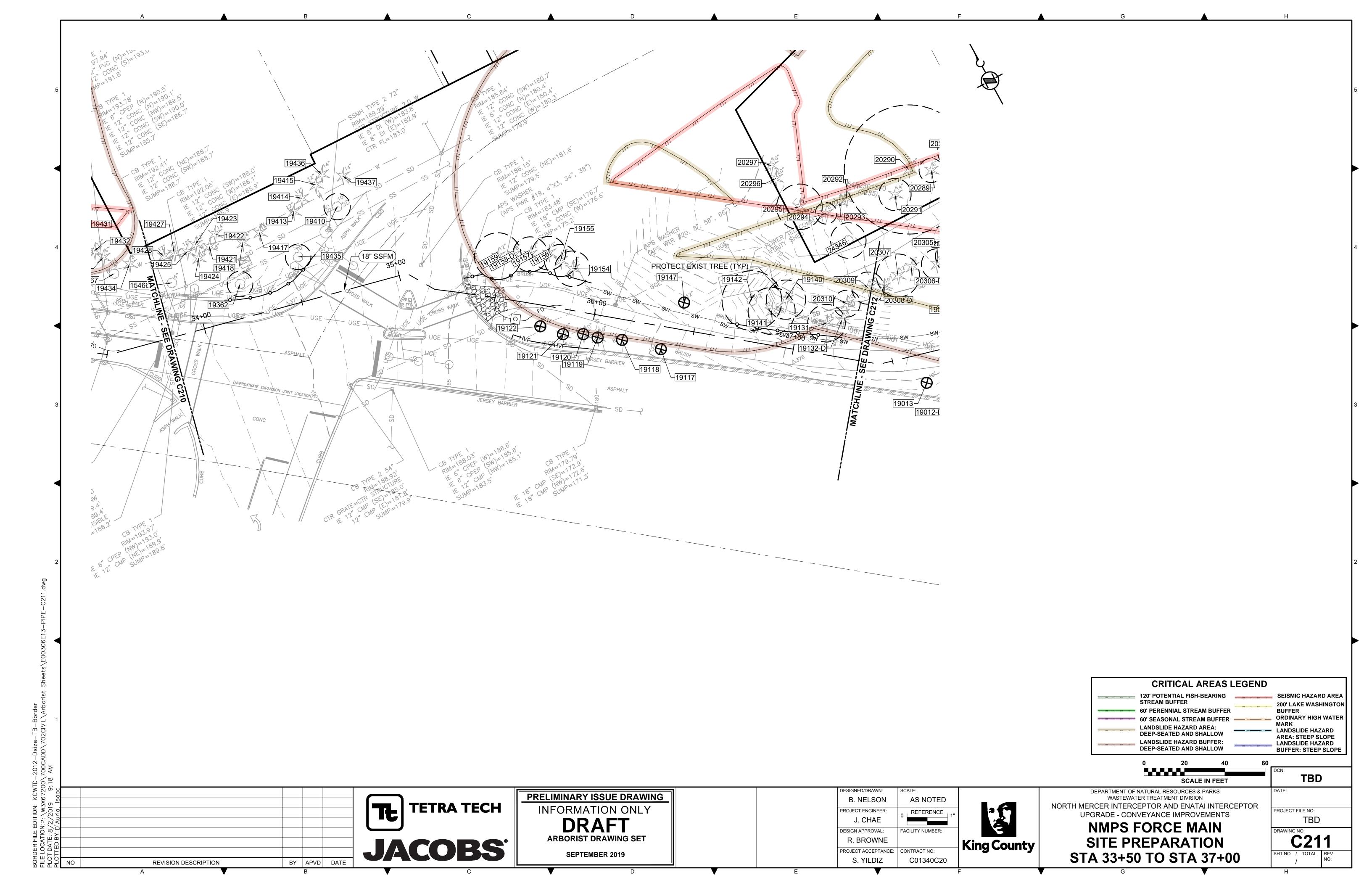


Mercer Island Tree Table DRAFT North Mercer Island and Enatai Upgrade Project

Appendix F August 2, 2019

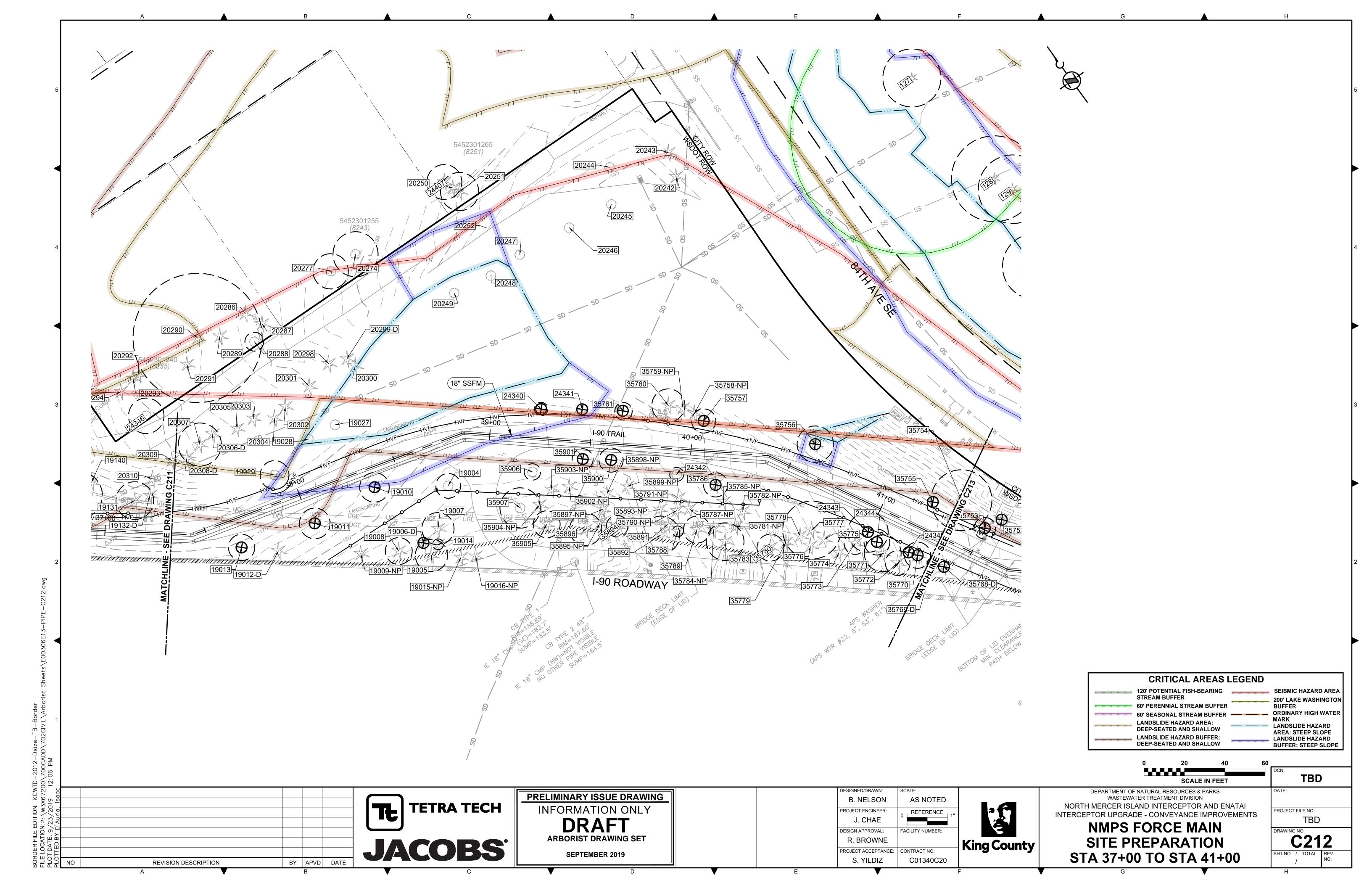
					Single Stem Equivalent	Health	Structural					Replacemonts required		
Proposed Action	Tree ID	Sheet	Scientific Name	Common Name	DSH (in) Multiple Stem DSH (in)	Condition	Condition	Jurisdiction	n Designation*	RLOD (ft)	MLOD (ft)	(Qty)	Protection Notes	Removal Reason
Protect	15785	C210	Acer platanoides	Norway maple	8.0	Good	Good	WSDOT	Category 2	5	3	8	Retain curb during construction; chainlink fence at edge of curb	
Unimpacted	20309	C210	Pseudotsuga menziesii	Douglas-fir	12.0	Good	Fair	WSDOT	Category 2	8	5	12		





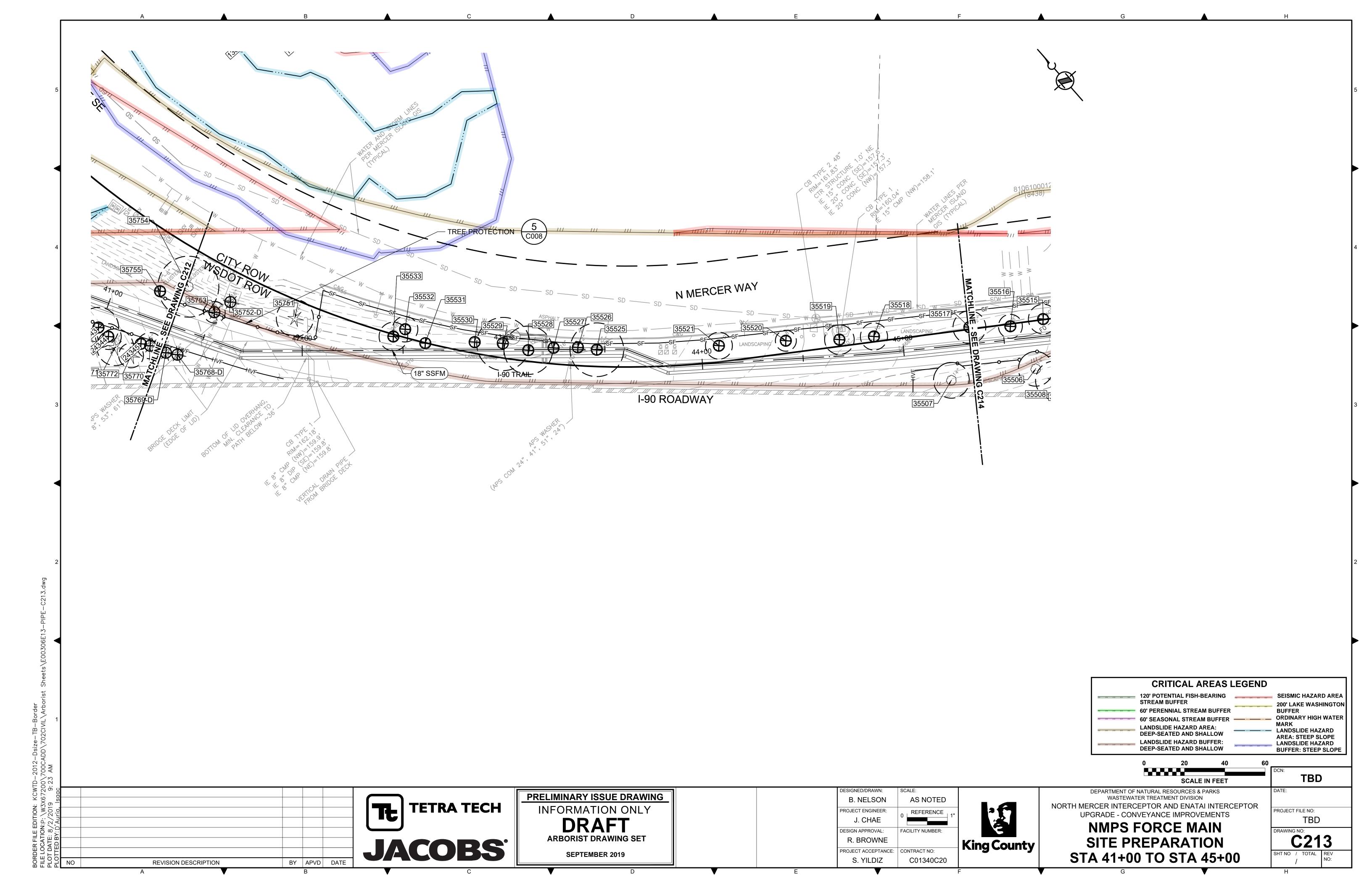
					Single Ster	n							Replaceme	n	
					Equivalent		Health	Structural					ts required		
Proposed Action		Sheet	Scientific Name	Common Name	DSH (in)	Multiple Stem DSH (in)	Condition	Condition		n Designation*	RLOD (ft)	MLOD (ft)	(Qty)	Protection Notes	Removal Reason
Remove	19117	C211	Acer platanoides	Norway maple	12.5		Good	Good	WSDOT	Category 2	8	5	13		Grading within MLOD; incidental trail staging
Remove	19118	C211	Acer platanoides	Norway maple	10.0		Good	Good	WSDOT	Category 2	7	4	10		Grading within MLOD; incidental trail staging
Remove	19119	C211	Pseudotsuga menziesii	Douglas-fir	12.0		Good	Good	WSDOT	Category 2	8	5	12		Grading within MLOD; incidental trail staging
Remove	19120	C211	Pseudotsuga menziesii	Douglas-fir	10.5		Good	Good	WSDOT	Category 2	7	4	11		Grading within MLOD; incidental trail staging
Remove	19121	C211	Pseudotsuga menziesii	Douglas-fir	17.2		Good	Good	WSDOT	Category 2	11	7	18		Grading within MLOD; incidental trail staging
Remove	19122	C211	Acer platanoides	Norway maple	10.5		Good	Good	WSDOT	Category 2	7	4	11		Grading within MLOD; incidental trail staging
Protect	19131	C211	Pseudotsuga menziesii	Douglas-fir	14.0		Good	Good	WSDOT	Category 2	9	6	14	Minimize grading impacts; Chainlink fence 2.5' from trunk	
Unimpacted	19132	C211	Dead	DeadDouglas-fir	0.0		Dead	Dead	WSDOT	Dead snag	0	0	0		
Unimpacted	19140	C211	Pseudotsuga menziesii	Douglas-fir	14.6		Good	Good	WSDOT	Category 2	10	6	15		
Protect	19141	C211	Pinus contorta v. contorta	Shore pine	17.5		Fair	Fair	WSDOT	Category 2	12	7	18	Chainlink fence 5' from trunk	
Protect	19142	C211	Populus trichocarpa	Black cottonwood	14.8		Good	Good	WSDOT	Early successional species - no	15	6	0	Chainlink fence 9' from trunk	
										replacement required					
Remove	19147	C211	Acer platanoides	Norway maple	11.8		Good	Good	WSDOT	Category 2	8	5	12		Within grading limits
Protect	19154	C211	Pseudotsuga menziesii	Douglas-fir	13.2		Good	Good	WSDOT	Category 2	9	6	14	Chainlink fence outside of MLOD	
Protect	19155	C211	Pseudotsuga menziesii	Douglas-fir	12.0		Good	Good	WSDOT	Category 2	8	5	12	TBD	
Protect	19156	C211	Pseudotsuga menziesii	Douglas-fir	12.5		Good	Good	WSDOT	Category 2	8	5	13	TBD	
Protect	19157	C211	Pseudotsuga menziesii	Douglas-fir	13.0		Good	Good	WSDOT	Category 2	9	5	13	TBD	
Protect	19158	C211	Dead	Dead	8.0		Dead	Dead	WSDOT	Dead snag	0	0	0	TBD	
Protect	19159	C211	Pseudotsuga menziesii	Douglas-fir	17.4		Good	Good	WSDOT	Category 2	12	7	18	TBD	
Protect	19362	C211	Acer pseudoplatanus	Sycamore maple	9.5		Good	Good	WSDOT	Category 2	6	4	10	Chainlink fence at RLOD	
Unimpacted	19410	C211	Acer pseudoplatanus	Sycamore maple	9.8		Good	Good	WSDOT	Category 2	7	4	10		
Protect	19435	C211	Acer pseudoplatanus	Sycamore maple	9.5		Good	Good	WSDOT	Category 2	6	4	10	Chainlink fence at RLOD	
Unimpacted	20294	C211	Pseudotsuga menziesii	Douglas-fir	8.0		Good	Good	PRIVATE	<10"	5	3	0		
Unimpacted	20295	C211	Thuja plicata	Western redcedar	11.3	8, 8	Fair	Good	WSDOT	Category 2	11	5	12		
Unimpacted	20310	C211	Pseudotsuga menziesii	Douglas-fir	10.0		Good	Good	WSDOT	Category 2	7	4	10		
Protect	24346	C211	Platanus x acerifolia	London planetree	13.2		Good	Good	PRIVATE	Large (Regulated) tree >10"	9	6	2	If access road used: Clearance pruning and chainlink fencing	





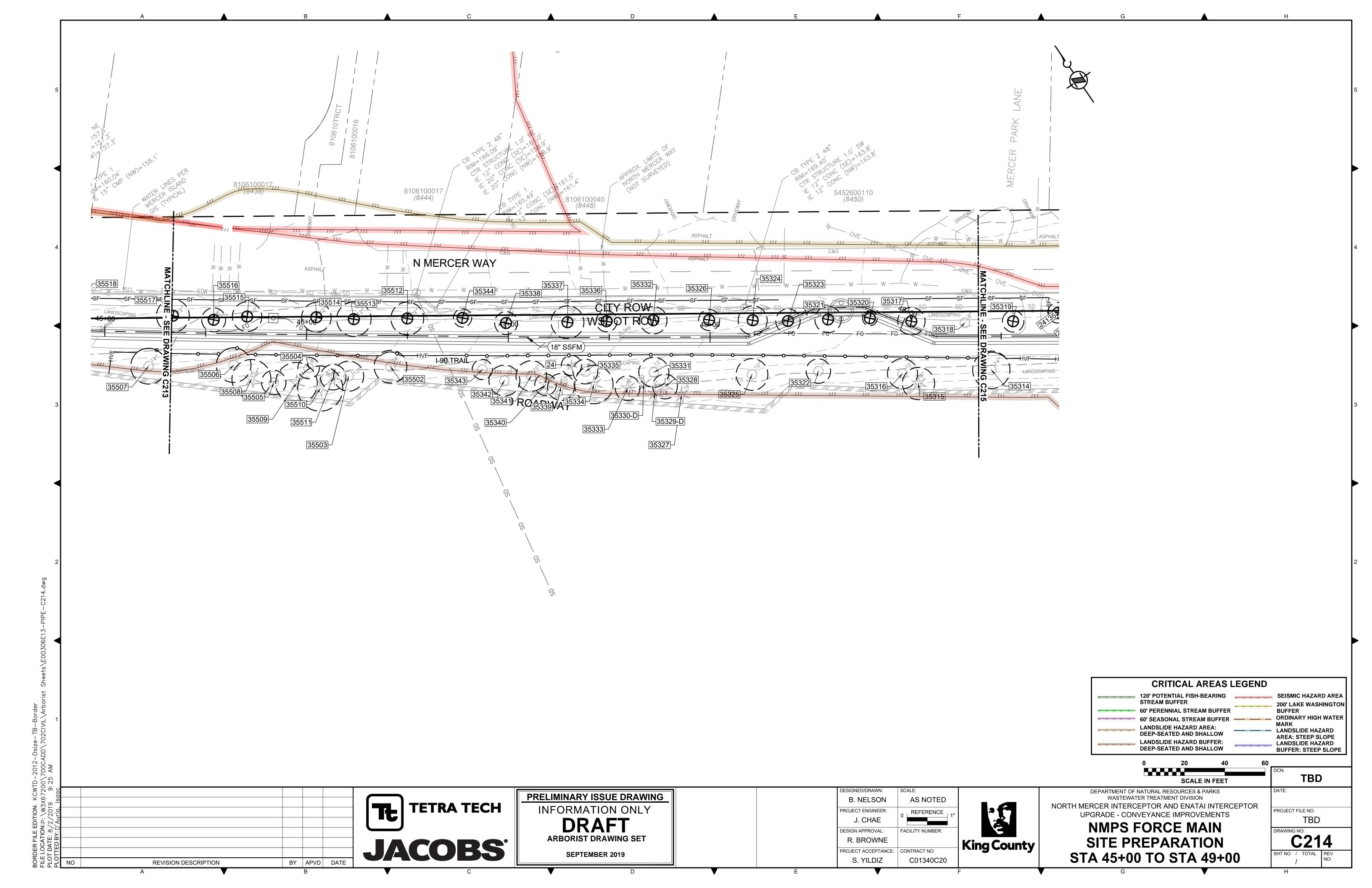
					Single Ste	m							Replacemer	1	
Dropocod Action	Troo ID	Shoot	Scientific Name	Common Namo	Equivalent		Health	Structural	lurichistion	Decignation*	DL OD (ft)		ts required	Drotoction Notes	Domoval Doggan
Proposed Action Unimpacted	23	Sheet C212	Scientific Name Acer macrophyllum	Common Name Bigleaf maple	DSH (in) 15.2	Multiple Stem DSH (in)	Condition Good	Condition Good	PRIVATE	Designation* Large (Regulated) tree >10"	RLOD (ft)	MLOD (ft)	(Qty)	Protection Notes	Removal Reason
Protect	19004	C212	Acer platanoides	Norway maple	9.2		Good	Good	WSDOT	Category 2	6	4	10	TBD	
Protect	19005	C212	Pseudotsuga menziesii	Douglas-fir	12.0		Fair	Fair	WSDOT	Category 2	8	5	12	Chainlink fencing 10 ft from trunk	
Remove (dead)	19006	C212	Dead	Dead	12.0		Dead	Dead	WSDOT	Dead snag	0	0	0	Oh alallah fara alam 10 ft faram tananh	Dead
Protect Protect	19007 19008	C212 C212	Pseudotsuga menziesii Pseudotsuga menziesii	Douglas-fir Douglas-fir	12.0 10.0		Fair Fair	Fair Fair	WSDOT WSDOT	Category 2 Category 2	7	<u>5</u> Δ	12	Chainlink fencing 10 ft from trunk Chainlink fencing 10 ft from trunk	
Unimpacted	19009	C212	Stump - Not Present	Stump - Not Present	0.0		Dead	Dead	WSDOT	Stump - Not Present	0	0	0	Chairming to it nom tank	
Remove	19010	C212	Acer platanoides	Norway maple	11.0		Good	Fair	WSDOT	Category 2	7	5	11		WSDOT shoulder excavation within 2 ft of trunk.
Remove	19011	C212	Acer platanoides	Norway maple	11.4		Good	Good	WSDOT	Category 2	8	5	12		WSDOT shoulder excavation within 2 ft of trunk.
Unimpacted	19012 19013	C212 C212	Dead Acer platanoides	Dead Douglas-fir	9.8		Dead Good	Dead Good	WSDOT WSDOT	Dead snag	7	0	10		WSDOT shoulder excavation within 2 ft of trunk.
Remove Protect	19013	C212	Pseudotsuga menziesii	Norway maple Douglas-fir	4.0		Fair	Fair	WSDOT	Category 2 Category 2	3	2	4	Chainlink fencing 10 ft from trunk	WSDOT SHOULDER EXCAVATION WITHIN 2 IT OF ITUTIK.
Unimpacted	19015	C212	Stump - Not Present	Stump - Not Present	0.0		Dead	Dead	WSDOT	Stump - Not Present	0	0	0		
Unimpacted	19016	C212	Stump - Not Present	Stump - Not Present	0.0		Dead	Dead	WSDOT	Stump - Not Present	0	0	0		
Protect	19029	C212	Acer platanoides	Norway maple	10.7		Good	Fair	WSDOT	Category 2	7	4	11	Chainlink fence at grading limits	
Unimpacted Protect	20250 20251	C212 C212	Pseudotsuga menziesii Pinus nigra	Douglas-fir Austrian black pine	13.1 14.2		Good Good	Good Good	PRIVATE PRIVATE	Large (Regulated) tree >10" Large (Regulated) tree >10"	9	6	2	If access road used: Clearance pruning and chainlink fencing	
Protect	20274	C212	Acer macrophyllum	Bigleaf maple	16.8	8.5,8.1,7,7,6,3	Good	Fair	PRIVATE	Large (Regulated) tree >10"	11	7	2	If access road used: Clearance pruning and chainlink fencing	
Protect	20277	C212	Acer macrophyllum	Bigleaf maple	13.1	6,6,5,5,4,4,3,3	Good	Fair	PRIVATE	Large (Regulated) tree >10"	9	5	2	If access road used: Clearance pruning and chainlink fencing	
Unimpacted	20286	C212	Thuja plicata	Western redcedar	10.6	7,8	Fair	Fair	PRIVATE	Large (Regulated) tree >10"	11	4	2		
Unimpacted	20287 20288	C212 C212	Thuja plicata	Western redcedar	7.0		Fair Fair	Fair Fair	PRIVATE PRIVATE	Large (Regulated) tree >10" <10"	10	2	0	If access road used. Clearance pruning and chainlink forcing	
Protect Unimpacted	20288	C212	Acer macrophyllum Thuja plicata	Bigleaf maple Western redcedar	7.0		Fair Poor	Good	PRIVATE	<10"	6	3	0	If access road used: Clearance pruning and chainlink fencing	
Protect	20290	C212	Pseudotsuga menziesii	Douglas-fir	32.0		Good	Fair	PRIVATE	Exceptional	32	13	6	If access road used: Clearance pruning and chainlink fencing	
Unimpacted	20291	C212	Pseudotsuga menziesii	Douglas-fir	12.0		Good	Fair	PRIVATE	Large (Regulated) tree >10"	8	5	2		
Unimpacted	20298	C212	Pseudotsuga menziesii	Douglas-fir	11.0		Poor	Fair	WSDOT	Category 2	7	5	11		
Unimpacted Unimpacted	20299 20303	C212 C212	Dead Pseudotsuga menziesii	Dead Douglas-fir Douglas-fir	12.0 14.0		Dead Poor	Dead Fair	WSDOT WSDOT	Dead snag Category 2	9	6	14		
Unimpacted	20305	C212	Pseudotsuga menziesii	Douglas-fir	11.4		Good	Good	WSDOT	Category 2	8	5	12		
Unimpacted	20306	C212	Dead	Dead	8.0		Dead	Dead	WSDOT	Dead snag	0	0	0		
Protect	20307	C212	Pseudotsuga menziesii	Douglas-fir	16.0		Fair	Good	WSDOT	Category 2	11	7	16	If access road used: Clearance pruning and chainlink fencing	
Unimpacted	20308	C212	Dead Appropriate A	Dead Douglas-fir	8.0		Dead	Dead	WSDOT	Dead snag	0	0	0		Crading within 2 ft of trunk
Remove Remove	24340 24341	C212 C212	Acer platanoides Acer platanoides	Norway maple Norway maple	5.0 4.2		Good Poor	Good Good	WSDOT WSDOT	Category 2 Category 2	3	2	5		Grading within 2 ft of trunk Grading within 2 ft of trunk; poor condition
Protect*	24342	C212	Acer platanoides	Norway maple	5.2	3.8,3.6	Good	Good	WSDOT	Category 2	3	2	6	Maintain fencing at dripline or remove	Grading Within 2 It of trains, poor condition
Remove	24343	C212	Cercidiphyllum japonicum	Katsura tree	10.0	6,4,4,4,4	Good	Good	WSDOT	Category 2	10	4	10	<u> </u>	WSDOT shoulder excavation within 2 ft of trunk.
Remove	24344	C212	Cercidiphyllum japonicum	Katsura tree	6.4	5,4	Good	Good	WSDOT	Category 2	6	3	7		Grading within 5 ft of trunk
Remove Protect	24345 24407	C212 C212	Cercidiphyllum japonicum Acer macrophyllum	Katsura tree Bigleaf maple	11.3 13.0	6,5,5,4,4,3	Good Good	Good Good	WSDOT PRIVATE	Category 2 Large (Regulated) tree >10"	11 0	5	12	If access road used: Clearance pruning and chainlink fencing	WSDOT shoulder excavation within 2 ft of trunk.
Remove	35755	C212	Cercidiphyllum japonicum	Katsura tree	13.0	7,7,5,5,5	Good	Good	WSDOT	Category 2	13	5	14	in access road used. Clearance pruning and chairmink rending	Excavation for WSDOT shoulder within 2 ft of tree
Remove	35756	C212	Pseudotsuga menziesii	Douglas-fir	13.5	7 121272	Fair	Fair	WSDOT	Category 2	9	6	14		Grading within RLOD, fair condition.
Remove	35757	C212	Acer platanoides	Norway maple	9.0		Fair	Fair	WSDOT	Category 2	6	4	9		within 6 ft of grading; tree in decline
Unimpacted	35758 35759	C212	Stump - Not Present Stump - Not Present	Stump - Not Present	0.0		Dead	Dead	WSDOT WSDOT	Stump - Not Present	0	0	0		
Unimpacted Protect	35760	C212 C212	Pseudotsuga menziesii	Stump - Not Present Douglas-fir	12.3		Dead Good	Dead Good	WSDOT	Stump - Not Present Category 2	8	5	13	Chainlink fence at RLOD	
Remove	35761	C212	Acer platanoides	Norway maple	6.5		Good	Good	WSDOT	Category 2	4	3	7	5. a	Grading within 3 ft of trunk
Remove	35770	C212	Thuja plicata	Western redcedar	6.5		Poor	Good	WSDOT	Category 2	7	3	7		Grading within 2 ft of trunk
Protect	35771	C212	Pseudotsuga menziesii	Douglas-fir	13.7		Good	Good	WSDOT	Category 2	9	6	14	Chainlink fencing 6' from trunk	
Protect Protect	35772 35773	C212 C212	Pseudotsuga menziesii Thuja plicata	Douglas-fir Western redcedar	9.2 5.5		Poor Poor	Good Good	WSDOT WSDOT	Category 2 Category 2	6	2	6	Chainlink fencing 6' from trunk Chainlink fencing 6' from trunk	
Unimpacted	35775	C212	Pseudotsuga menziesii	Douglas-fir	11.0		Good	Good	WSDOT	Category 2	7	5	11	Chairmin Tericing & Horn train	
Protect	35777	C212	Thuja plicata	Western redcedar	14.4		Good	Good	WSDOT	Category 2	14	6	15	Chainlink fence 7' from trunk	
Protect	35780	C212	Pseudotsuga menziesii	Douglas-fir	10.0		Fair	Fair	WSDOT	Category 2	7	4	10	Chainlink fencing 10 ft from trunk	
Unimpacted Unimpacted	35781 35782	C212 C212	Stump - Not Present Stump - Not Present	Stump - Not Present Stump - Not Present	0.0		Dead Dead	Dead Dead	WSDOT WSDOT	Stump - Not Present Stump - Not Present	0	0	0		
Protect	35783	C212	Pseudotsuga menziesii	Douglas-fir	14.0		Fair	Fair	WSDOT	Category 2	9	6	14	Chainlink fencing 10 ft from trunk	
Unimpacted	35784	C212	Stump - Not Present	Stump - Not Present	0.0		Dead	Dead	WSDOT	Stump - Not Present	0	0	0	•	
Unimpacted	35785	C212	Stump - Not Present	Stump - Not Present	0.0		Dead	Dead	WSDOT	Stump - Not Present	0	0	0		Fuggistion with in Establishment
Remove Unimpacted	35786 35787	C212 C212	Pseudotsuga menziesii Stump - Not Present	Douglas-fir Stump - Not Present	9.0		Poor Dead	Fair Dead	WSDOT WSDOT	Category 2 Stump - Not Present	0	0	0		Excavation within 5 ft of tree; poor condition
Protect	35788	C212	Thuja plicata	Western redcedar	4.0		Good	Good	WSDOT	Category 2	3	2	4	Chainlink fencing 10 ft from trunk	
Protect	35789	C212	Pseudotsuga menziesii	Douglas-fir	10.0		Fair	Fair	WSDOT	Category 2	7	4	10	Chainlink fencing 10 ft from trunk	
Unimpacted	35790	C212	Stump - Not Present	Stump - Not Present	0.0		Dead	Dead	WSDOT	Stump - Not Present	0	0	0		
Unimpacted Protect	35791 35892	C212 C212	Stump - Not Present Pseudotsuga menziesii	Stump - Not Present Douglas-fir	0.0		Dead Fair	Dead Fair	WSDOT WSDOT	Stump - Not Present Category 2	U Q	6	14	Chainlink fencing 10 ft from trunk	
Unimpacted	35893	C212	Stump - Not Present	Stump - Not Present	0.0		Dead	Dead	WSDOT	Stump - Not Present	0	0	0	Chairming to it from truth	
Protect	35894	C212	Pseudotsuga menziesii	Douglas-fir	8.0		Fair	Fair	WSDOT	Category 2	5	3	8	Chainlink fencing 10 ft from trunk	
Unimpacted	35895	C212	Stump - Not Present	Stump - Not Present	0.0		Dead	Dead	WSDOT	Stump - Not Present	0	0	0		
Protect	35896 35897	C212 C212	Pseudotsuga menziesii Stump - Not Present	Douglas-fir Stump - Not Present	12.0 0.0		Fair Dead	Fair Dead	WSDOT WSDOT	Category 2 Stump - Not Present	8	0	12	Chainlink fencing 10 ft from trunk	
Unimpacted Unimpacted	35897	C212	Stump - Not Present	Stump - Not Present	0.0		Dead	Dead Dead	WSDOT	Stump - Not Present	0	0	0		
Unimpacted	35899	C212	Stump - Not Present	Stump - Not Present	0.0		Dead	Dead	WSDOT	Stump - Not Present	0	0	0		
Remove	35900	C212	Acer platanoides	Norway maple	9.0		Good	Good	WSDOT	Category 2	6	4	9		Within grading limits; fair condition
Remove	35901	C212	Acer platanoides	Norway maple	7.8		Poor	Good	WSDOT	Category 2	5	3	8		Within grading limits; fair condition
Unimpacted Unimpacted	35902 35903	C212 C212	Stump - Not Present Stump - Not Present	Stump - Not Present Stump - Not Present	0.0		Dead Dead	Dead Dead	WSDOT WSDOT	Stump - Not Present Stump - Not Present	0	0	0		
Unimpacted	35904	C212	Stump - Not Present	Stump - Not Present	0.0		Dead	Dead	WSDOT	Stump - Not Present	0	0	0		
Protect	35905	C212	Pseudotsuga menziesii	Douglas-fir	10.0		Fair	Fair	WSDOT	Category 2	7	4	10	Chainlink fencing 10 ft from trunk	
Protect	35906	C212	Acer platanoides	Norway maple	6.1		Fair	Good	WSDOT	Category 2	4	3	7	chainlink fencing at dripline	
Protect	35907	C212	Acer platanoides	Norway maple	10.0		Good	Good	WSDOT	Category 2	10	4	10	Chainlink fencing 10 ft from trunk	





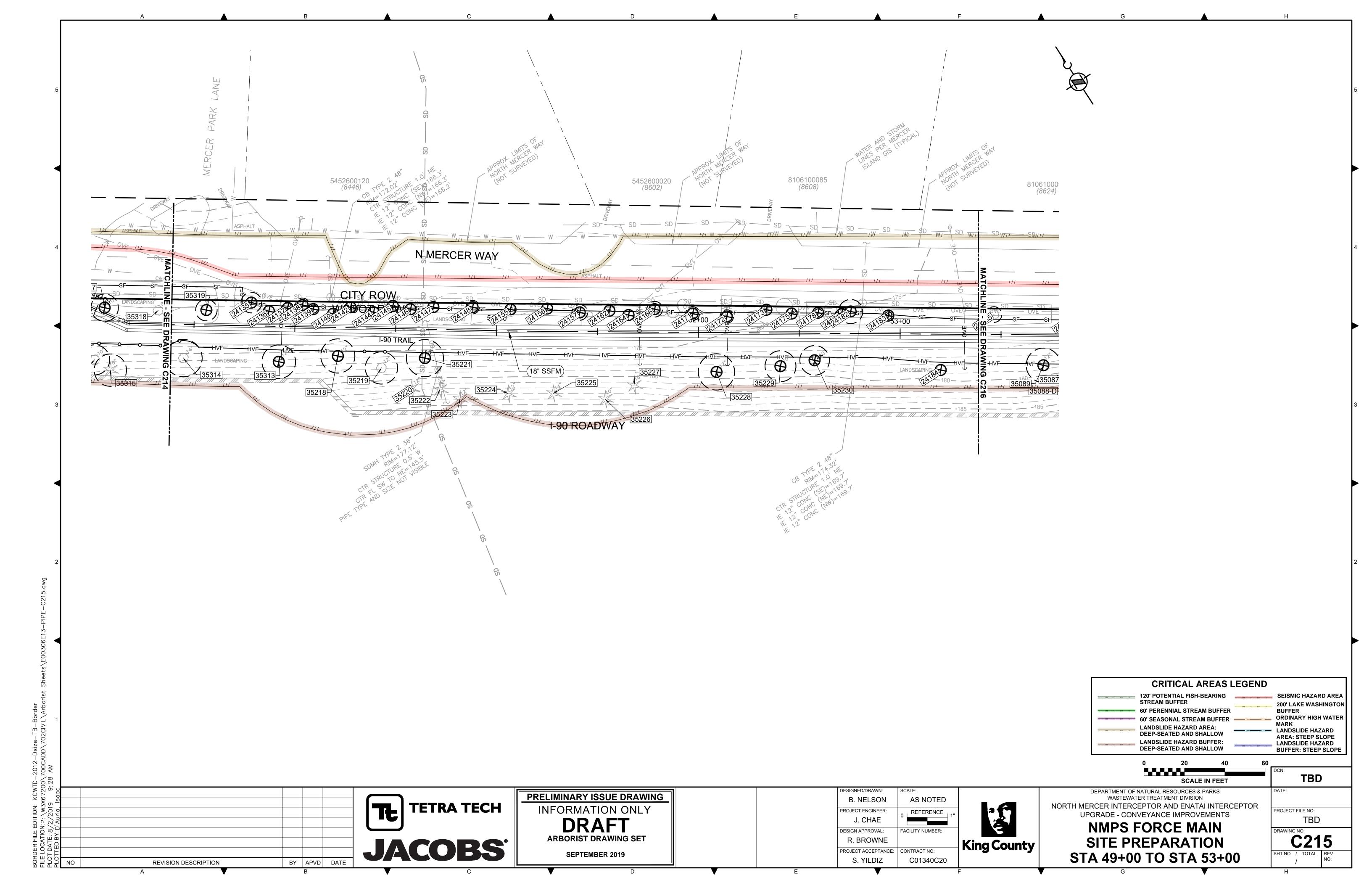
					Single Sten	n							Replaceme	n	
					Equivalent		Health	Structural					ts required		
Proposed Action	n Tree ID	Sheet	Scientific Name	Common Name	DSH (in)	Multiple Stem DSH (in)	Condition	Condition	Jurisdiction	Designation*	RLOD (ft)	MLOD (ft)	(Qty)	Protection Notes	Removal Reason
Protect	35507	C213	Acer platanoides	Norway maple	13.3		Good	Good	WSDOT	Street Tree	9	6	1	Chainlink fence at grading limits	Excavation 8 ft from tree
Remove	35518	C213	Acer platanoides	Norway maple	10.1		Good	Good	COMI	10"-24"	7	4	2		Within grading limits
Remove	35519	C213	Acer platanoides	Norway maple	11.0		Good	Good	COMI	10"-24"	7	5	2		Within grading limits
Remove	35520	C213	Acer pseudoplatanus	Sycamore maple	7.8		Good	Good	COMI	6" - 10"	5	3	1		Within grading limits
Remove	35521	C213	Acer rubrum	Red maple	10.0		Good	Good	COMI	10"-24"	7	4	2		Within grading limits
Remove	35525	C213	Cercidiphyllum japonicum	Katsura tree	13.3	7,8,8	Good	Good	COMI	10"-24"	13	6	2		Within grading limits
Remove	35526	C213	Cercidiphyllum japonicum	Katsura tree	11.8	7,7,5,4	Good	Good	COMI	10"-24"	12	5	2		Within grading limits
Remove	35527	C213	Cercidiphyllum japonicum	Katsura tree	13.5	6,7,6,6,5	Good	Good	COMI	10"-24"	13	6	2		Within grading limits
Remove	35528	C213	Cercidiphyllum japonicum	Katsura tree	12.0	6,6,6,6	Good	Good	COMI	10"-24"	12	5	2		Within grading limits
Remove	35529	C213	Cercidiphyllum japonicum	Katsura tree	13.2	7,5,8,6	Good	Good	COMI	10"-24"	13	5	2		Within grading limits
Remove	35530	C213	Acer pseudoplatanus	Sycamore maple	9.4		Good	Good	COMI	6" - 10"	6	4	1		Within grading limits
Remove	35531	C213	Cercidiphyllum japonicum	Katsura tree	12.2	6,7,8	Good	Good	COMI	10"-24"	12	5	2		Within grading limits
Remove	35532	C213	Acer pseudoplatanus	Sycamore maple	9.5		Good	Good	COMI	6" - 10"	6	4	1		Tree can be retained unless this is required staging.
Remove	35533	C213	Cercidiphyllum japonicum	Katsura tree	7.1	4.5,5.5	Good	Good	WSDOT	Street Tree	7	3	1		Within grading limits
Protect	35751	C213	Pinus nigra	Austrian black pine	13.8		Good	Good	WSDOT	Category 2	9	6	14	Chainlink fence at RLOD	
Remove (dead)	35752	C213	Dead	Dead Douglas-fir	14.0		Dead	Dead	WSDOT	Dead snag	0	0	0		Dead
Remove	35753	C213	Pinus contorta	Shore pine	8.0		Fair	Good	WSDOT	Category 2	5	3	8		Grading within MLOD
Protect	35754	C213	Cercidiphyllum japonicum	Katsura tree	15.1	6,5,5,4,4,7,6,4,3	Good	Good	WSDOT	Category 2	15	6	16	Install chainlink fence at edge of grading	
Remove (dead)	35768	C213	Dead	Dead	6.0		Dead	Dead	WSDOT	Dead snag	0	0	0		Dead: within 5 feet of work limits
Remove (dead)	35769	C213	Dead	Dead	6.0		Dead	Dead	WSDOT	Dead snag	0	0	0		Dead: within 5 feet of work limits





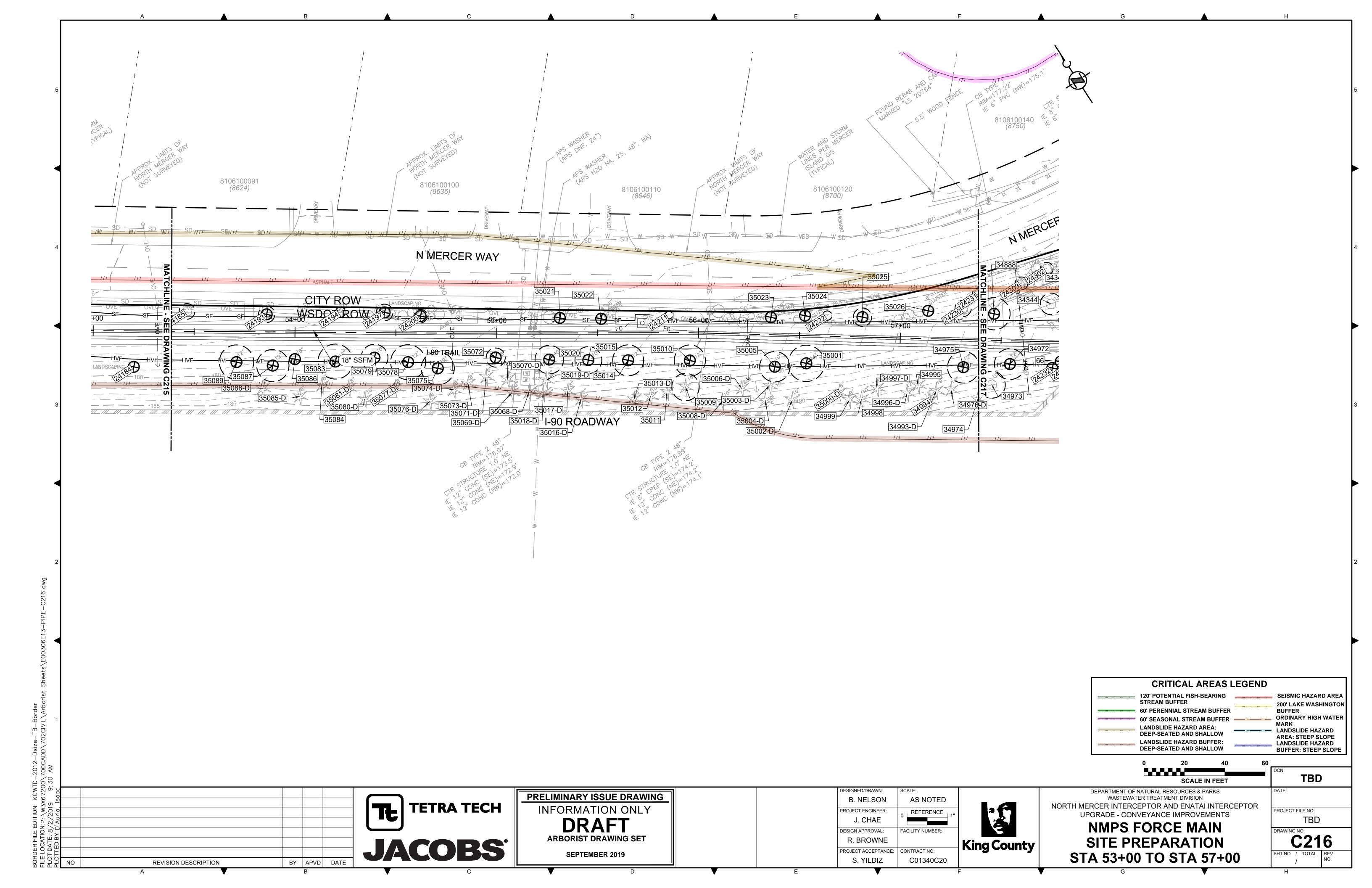
					Single Stem							Replacemer		
					Equivalent	Health	Structural					ts required		
Proposed Actio	on Tree ID	Sheet	Scientific Name	Common Name	DSH (in) Multiple Stem DSH (in)	Condition	Condition	Jurisdiction	n Designation*	RLOD (ft)	MLOD (ft)	(Qty)	Protection Notes	Removal Reason
Protect	24	C214	Thuja plicata	Western redcedar	5.0	Fair	Good	WSDOT	Street Tree	5	2	1	Trail is shifting towards road here. Maintain fencing at edge of asphalt	
Unimpacted	35315	C214	Thuja plicata	Western redcedar	8.0	Good	Good	WSDOT	Street Tree	8	3	1		
Protect	35316	C214	Fraxinus latifolia	Oregon ash	11.2	Good	Good	WSDOT	Street Tree	7	5	1	Chainlink fence at RLOD	
Remove	35317	C214	Acer platanoides	Norway maple	10.2	Good	Good	WSDOT	Street Tree	7	4	1		Within grading limits
Remove	35320	C214	Fraxinus spp	Ash	5.5	Good	Good	WSDOT	Street Tree	4	2	1		Within grading limits
Remove	35321	C214	Acer platanoides	Norway maple	9.8	Good	Good	WSDOT	Street Tree	7	4	1		Within grading limits
Protect	35322	C214	Fraxinus spp	Ash	9.1	Fair	Good	WSDOT	Street Tree	6	4	1	Chainlink fence at RLOD	
Remove	35323	C214	Acer platanoides	Norway maple	9.1	Good	Good	WSDOT	Street Tree	6	4	1		Within grading limits
Remove	35324	C214	Acer platanoides	Norway maple	10.8	Good	Good	WSDOT	Street Tree	7	5	1		Within grading limits
Protect	35325	C214	Acer platanoides	Norway maple	11.8	Good	Good	WSDOT	Street Tree	8	5	1	Chainlink fence at RLOD	
Remove	35326	C214	Fraxinus spp	Ash	7.8	Fair -	Good	WSDOT	Street Tree	5	3	1		Within grading limits
Unimpacted	35328	C214	Pseudotsuga menziesii	Douglas-fir	9.2	Fair	Good	WSDOT	Street Tree	6	4	1		
Unimpacted	35329	C214	Dead	Dead	9.2	Dead	Dead	WSDOT	Dead snag	0	0	0		
Unimpacted	35330	C214	Dead	Dead	7.5	Dead	Dead	WSDOT	Dead snag	0	0	0		
Protect	35331	C214	Acer platanoides	Norway maple	11.2	Good	Fair	WSDOT	Street Tree	/	5	1	Chainlink fence at RLOD	West Control of the C
Remove	35332	C214	Acer platanoides	Norway maple	10.2	Good	Good	WSDOT	Street Tree	1	4	1		Within grading limits
Unimpacted	35333	C214	Pseudotsuga menziesii	Douglas-fir	9.2	Fair	Good	WSDOT	Street Tree	6	4	1		
Unimpacted	35334	C214	Pseudotsuga menziesii	Douglas-fir	14.3	Fair	Good	WSDOT	Street Tree	10	6	1		
Protect	35335	C214	Acer platanoides	Norway maple	9.2	Good	Good	WSDOT	Street Tree	<u> </u>	4	1	Chainlink fence at RLOD	MPH-2 P P 21
Remove	35336	C214	Acer platanoides	Norway maple	7.8	Fair	Good	WSDOT	Street Tree	5	3	<u> </u>		Within grading limits
Remove	35337	C214	Acer platanoides	Norway maple	12.2	Good	Good	WSDOT	Street Tree	8	5	1		Within grading limits
Remove	35338	C214	Fraxinus spp	Ash	8.5	Poor	Good	WSDOT	Street Tree	6	4	I		Within grading limits
Unimpacted	35339	C214 C214	Pseudotsuga menziesii	Douglas-fir	10.0	Good	Good	WSDOT	Street Tree	/	2	<u> </u>		
Unimpacted	35340		Pseudotsuga menziesii	Douglas-fir	11.4	Fair	Good	WSDOT	Category 2	0	3	δ 1	Chainlink fence at RLOD	
Protect	35341	C214	Acer platanoides	Norway maple	11.4	Good	Good	WSDOT	Street Tree	0	<u> </u>	<u> </u>		
Protect	35342	C214	Acer platanoides	Norway maple	11.5	Good	Good	WSDOT	Street Tree	δ	<u>5</u>		Chainlink fence at RLOD	
Protect	35343	C214	Fraxinus sp.	Ash	7.5	Good	Good	WSDOT	Street Tree		<u>ა</u>		Chainlink fence at RLOD	Within grading limits
Remove	35344	C214	Fraxinus spp	Ash Narvov manla	6.8	Fair	Good	WSDOT	Street Tree	0	<u> </u>	1	Chainlink fance at grading limits	Within grading limits Grading within 6 ft of trunk
Protect	35502 35503	C214 C214	Acer platanoides	Norway maple	12.2 11.2	Good Good	Good Fair	WSDOT WSDOT	Street Tree Street Tree	8 	<u>5</u>	<u> </u>	Chainlink fence at grading limits Chainlink fence at RLOD	Grading within 6 it of trunk
Protect	35504	C214	Acer platanoides	Norway maple	8.0	Good	Good	WSDOT	Street Tree	<i>Г</i>	2	<u> </u>	Chainlink fence at RLOD Chainlink fence at RLOD	
Protect Unimpacted	35505	C214	Acer platanoides Acer platanoides	Norway maple	9.1	Good	Good	WSDOT	Street Tree	<u> </u>	J	1	CHAIRININ TELLE AL NEOD	
Protect	35506	C214	Acer platanoides	Norway maple	12.9	Good	Good	WSDOT	Street Tree	0	5	1	Chainlink fence at grading limits	Grading within 6 ft of trunk
Protect	35508	C214	Pseudotsuga menziesii	Norway maple Douglas-fir	14.5	Good	Good	WSDOT	Street Tree	10	6	1	Chainlink fence at RLOD	Grading within on the trunk
Protect	35509	C214	Pseudotsuga menziesii	Douglas-fir	15.5	Good	Good	WSDOT	Street Tree	10	6	1	Chainlink fence at RLOD	
Protect	35510	C214	Pseudotsuga menziesii	Douglas-fir	16.8	Good	Good	WSDOT	Street Tree	11	7	1	Chainlink fence at RLOD	
Protect	35510	C214	Pinus nigra	Austrian black pine	9.5	Good	Good	WSDOT	Street Tree	11 4	1	1	Chainlink fence at RLOD	
Remove	35512	C214	Acer platanoides	Norway maple	12.2	Good	Good	WSDOT	Street Tree	Q Q	5	1	CHAIRIIIN TEHES AT NEOD	Within grading limits
Remove	35512	C214	Acer platanoides Acer platanoides	Norway maple	12.8	Good	Good	WSDOT	Street Tree	9	5	1		Within grading limits
Remove	35514	C214	Acer platanoides	Norway maple	11.0	Good	Good	WSDOT	Street Tree	7	5	1		Within grading limits
Remove	35515	C214	Acer platanoides Acer platanoides	Norway maple	11.0	Good	Good	COMI	10"-24"	7	5	2		Within grading limits
Remove	35516	C214	Acer platanoides Acer platanoides	Norway maple	8.9	Good	Good	COMI	6" - 10"	6	4	1		Within grading limits
Remove	35517	C214	Acer platanoides Acer platanoides	Norway maple	12.2	Good	Good	COMI	10"-24"	8	5	2		Within grading limits
TCHOVC	33317	0214	Acci piatanolucs	Norway mapic	14.4	Ouu	Julia	COIVII	10 4	U	J	L		within grading innits





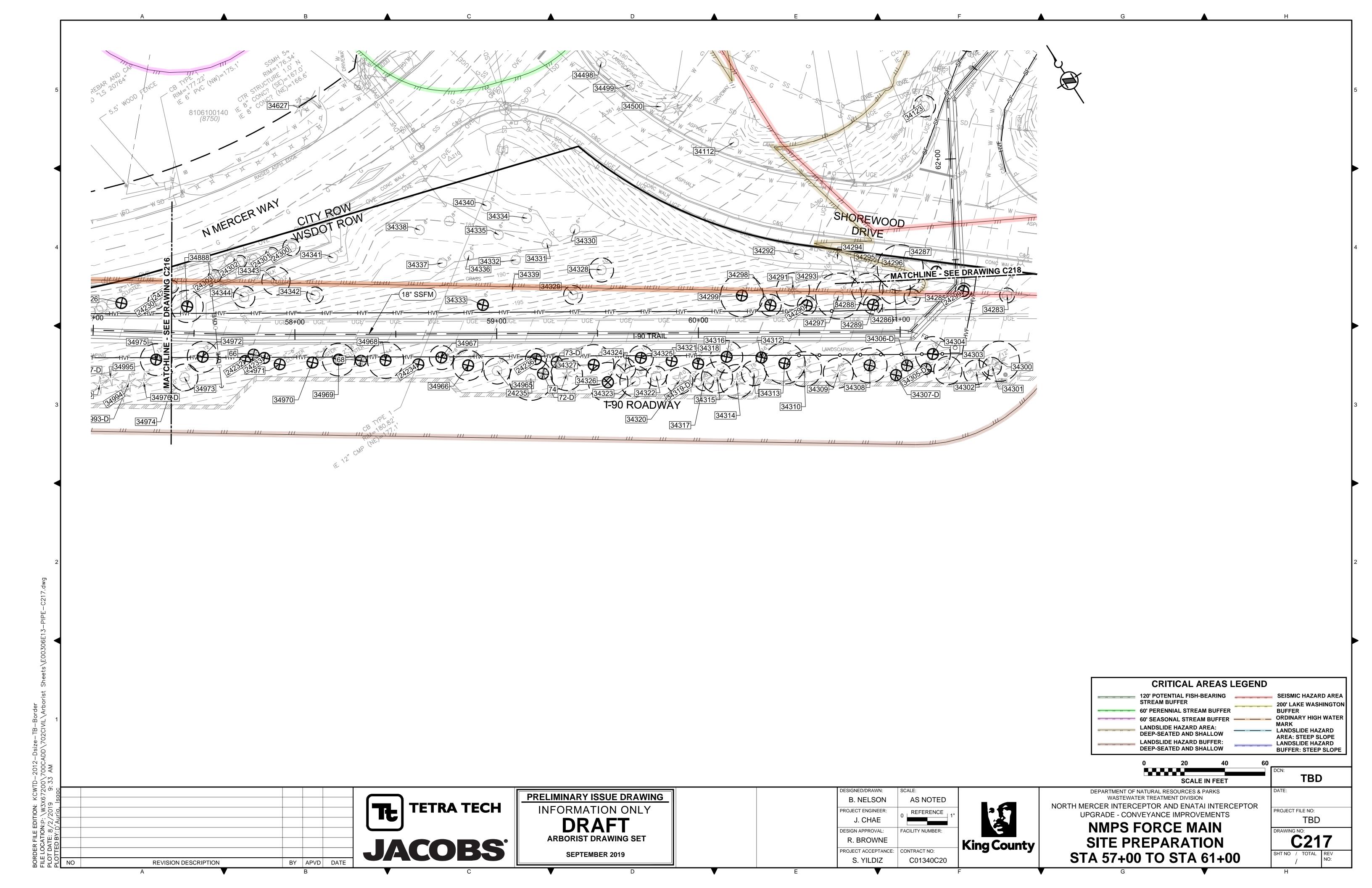
					Single Sten								Replacem	en	
					Equivalent		Health	Structural					ts require	d	
Proposed A	ction Tree ID	Sheet	Scientific Name	Common Name	DSH (in)	Multiple Stem DSH (in)	Condition	Condition	Jurisdiction	Designation*	RLOD (ft)	MLOD (ft)	(Qty)	Protection Notes	Removal Reason
Remove	24135	C215	Malus fusca	Western crabapple	7.7	5,5,3	Good	Good	WSDOT	Category 2	5	3	8		Within grading limits
Remove	24136	C215	Amelanchier alnifolia	Western serviceberry	6.3	5.2,3,2	Good	Good	WSDOT	Category 2	4	3	7		Within grading limits
Remove	24137	C215	Acer circinatum	Vine maple	4.5	3.5,2,2	Good	Good	WSDOT	Category 2	3	2	5		Within grading limits
Remove	24138	C215	Acer circinatum	Vine maple	5.2	3,3,3	Good	Good	WSDOT	Category 2	3	2	6		Within grading limits
Remove	24139	C215	Acer circinatum	Vine maple	3.0		Good	Good	WSDOT	Category 3	2	1	n/a		Within grading limits
Remove	24140	C215	Amelanchier alnifolia	Western serviceberry	5.4	3.5,3,2,2	Good	Good	WSDOT	Category 2	4	2	6		Within grading limits
Remove	24142	C215	Amelanchier alnifolia	Western serviceberry	5.0	3.5,3,2	Good	Good	WSDOT	Category 2	3	2	6		Within grading limits
Remove	24144	C215	Amelanchier alnifolia	Western serviceberry	4.1	3,2,2	Good	Good	WSDOT	Category 2	3	2	5		Within grading limits
Remove	24145	C215	Amelanchier alnifolia	Western serviceberry	4.3	2.5,2,2,2	Good	Good	WSDOT	Category 2	3	2	5		Within grading limits
Remove	24146	C215	Amelanchier alnifolia	Western serviceberry	5.6	3.3,3,2,2,2	Good	Good	WSDOT	Category 2	4	2	6		Within grading limits
Remove	24147	C215	Acer circinatum	Vine maple	5.4	3,2.8,2.5,2.5	Good	Good	WSDOT	Category 2	4	2	6		Within grading limits
Remove	24148	C215	Malus fusca	Western crabapple	5.0	4,3	Good	Good	WSDOT	Category 2	3	2	5		Within grading limits
Remove	24155	C215	Malus fusca	Western crabapple	5.4	4,3,2	Good	Good	WSDOT	Category 2	4	2	6		Within grading limits
Remove	24156	C215	Malus fusca	Western crabapple	4.1	3,2,2	Good	Good	WSDOT	Category 2	3	2	5		Within grading limits
Remove	24157	C215	Amelanchier alnifolia	Western serviceberry	5.8	5,3	Good	Good	WSDOT	Category 2	4	2	6		Within grading limits
Remove	24162	C215	Amelanchier alnifolia	Western serviceberry	5.9	3,3,3,2,2	Good	Good	WSDOT	Category 2	4	2	6		Within grading limits
Remove	24164	C215	Amelanchier alnifolia	Western serviceberry	5.5	3,3,2,2,2	Good	Good	WSDOT	Category 2	4	2	6		Within grading limits
Remove	24166	C215	Amelanchier alnifolia	Western serviceberry	5.8	5,3	Good	Good	WSDOT	Category 2	4	2	6		Within grading limits
Remove	24171	C215	Acer circinatum	Vine maple	5.1	3,3,2,2	Good	Good	WSDOT	Category 2	3	2	6		Within grading limits
Remove	24172	C215	Malus fusca	Western crabapple	5.0	4,3	Good	Good	WSDOT	Category 2	3	2	5		Within grading limits
Remove	24173	C215	Malus fusca	Western crabapple	4.7	3,2,3	Good	Good	WSDOT	Category 2	3	2	5		Within grading limits
Remove	24175	C215	Malus fusca	Western crabapple	3.6	3,2	Good	Good	WSDOT	Category 3	2	2	n/a		Within grading limits
Remove	24178	C215	Malus fusca	Western crabapple	2.8	2,2	Good	Good	WSDOT	Category 3	2	1	n/a		Within grading limits
Remove	24181	C215	Populus trichocarpa	Black cottonwood	3.0		Good	Good	WSDOT	Early successional species - no	3	1	0		Within grading limits
										replacement required					
Remove	24182	C215	Populus trichocarpa	Black cottonwood	6.0		Good	Good	WSDOT	Early successional species - no	6	3	0		Within grading limits
										replacement required					
Remove	24183	C215	Malus fusca	Western crabapple	2.8	2,2	Good	Good	WSDOT	Category 3	2	1	n/a		Within grading limits
Remove	24184	C215	Amelanchier alnifolia	Western serviceberry	4.6	3,2,2,2	Good	Good	WSDOT	Category 2	3	2	5		Within grading limits
Remove	35218	C215	Acer platanoides	Norway maple	12.7		Good	Good	WSDOT	Category 2	8	5	13		Grading within MLOD
Protect	35219	C215	Acer platanoides	Norway maple	12.0		Good	Good	WSDOT	Category 2	8	5	12	Chainlink fence at 4' from trunk	
Remove	35221	C215	Acer platanoides	Norway maple	13.8		Good	Good	WSDOT	Category 2	9	6	14		Grading within MLOD
Remove	35228	C215	Acer platanoides	Norway maple	13.5		Good	Good	WSDOT	Category 2	9	6	14		Grading within 7 ft of trunk
Remove	35229	C215	Acer platanoides	Norway maple	11.5		Good	Good	WSDOT	Category 2	8	5	12		Grading within 2 ft of trunk
Remove	35230	C215	Acer platanoides	Norway maple	11.0		Good	Good	WSDOT	Category 2	7	5	11		Within grading limits
Remove	35313	C215	Acer platanoides	Norway maple	12.5		Good	Good	WSDOT	Category 2	8	5	13		Grading within 7 ft of trunk
Protect	35314	C215	Acer platanoides	Norway maple	13.9		Good	Good	WSDOT	Category 2	9	6	14	Chainlink fence at grading limits	Grading within 7 ft of trunk
Remove	35319	C215	Acer platanoides	Norway maple	8.0		Good	Good	WSDOT	Street Tree	5	3	1		Within grading limits





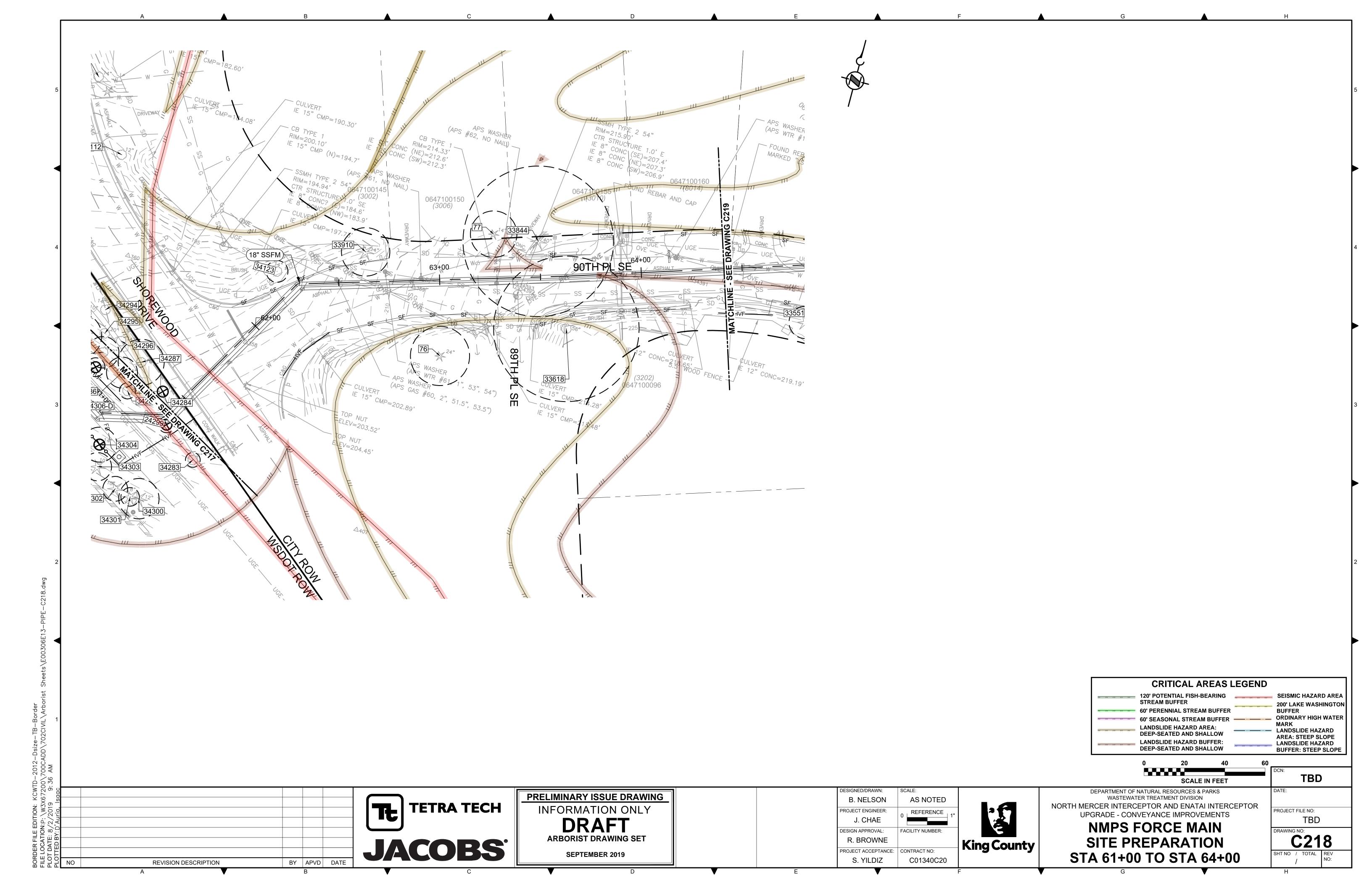
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					Single Stem Equivalent	1	Health	Structural					Replacements required		
Proposed Action	n Tree ID	Sheet	Scientific Name	Common Name	DSH (in)	Multiple Stem DSH (in)	Condition	Condition	Jurisdiction	n Designation*	RLOD (ft)	MLOD (ft)	(Qty)	Protection Notes	Removal Reason
Protect	24185	C216	Amelanchier alnifolia	Western serviceberry	5.8	3,3,2,2,2,2	Good	Good	WSDOT	Category 2	4	2	6	Chainlink fence at trunk	
Remove	24193	C216	Acer circinatum	Vine maple	6.1	4,3,2,2,2	Good	Good	WSDOT	Category 2	4	3	7		Within grading limits
Protect	24194 24197	C216 C216	Amelanchier alnifolia	Western serviceberry	3.8	2.5,2,2 5,3,2	Good	Good	WSDOT WSDOT	Category 3	3	2	n/a	Chainlink fence at grading limits	Crading within 4 ft of trunk
Remove Remove	24197	C216	Malus fusca Amelanchier alnifolia	Western crabapple Western serviceberry	6.2 5.0	5,3,2	Good Fair	Good Good	WSDOT	Category 2 Category 2	3	2			Grading within 4 ft of trunk Grading within 1 ft of trunk
Protect	24211	C216	Amelanchier alnifolia	Western serviceberry	2.8	2,2	Good	Good	WSDOT	Category 3	2	1	n/a	Chainlink fence at trunk	Within grading limits
Protect	24222	C216	Acer circinatum	Vine maple	3.5	2,2,2	Good	Good	WSDOT	Category 3	2	1	n/a	Chainlink fence at RLOD	
Protect	24230	C216	Acer circinatum	Vine maple	6.1	3,3,2.5,2.5,2.5	Good	Good	WSDOT	Category 2	4	3	7	Chainlink fence at RLOD	
Unimpacted	24231	C216	Acer circinatum	Vine maple	4.7	1.5,1.5,1.5,1.5,1.5,1.5,1.5,1.5,1.5,1.5,	5, Good	Good	WSDOT	Category 2	3	2	5		
Remove	34975	C216	Acer platanoides	Norway maple	11.8	1.5	Good	Good	WSDOT	Category 2	ρ	5	12		Within grading limits
Unimpacted	34976	C216	Dead	Dead Douglas-fir	9.4		Dead	Dead	WSDOT	Dead snag	0	0	0		within grading limits
Unimpacted	34993	C216	Dead	Dead Douglas-fir	9.8		Dead	Dead	WSDOT	Dead snag	0	0	0		
Unimpacted	34995	C216	Pseudotsuga menziesii	Douglas-fir NOT	8.0		Good	Good	WSDOT	Category 2	0	0	8		
				ASSESSED							_	_	_		
Unimpacted	34996 34997	C216	Dead	Dead Douglas fir	12.0		Dead	Dead	WSDOT	Dead snag	0	0	0		
Unimpacted Unimpacted	35000	C216 C216	Dead Dead	Dead Douglas-fir Dead	10.0 8.0		Dead Dead	Dead Dead	WSDOT WSDOT	Dead snag Dead snag	0	0	0		
Remove	35000	C216	Acer platanoides	Norway maple	13.5		Good	Good	WSDOT	Category 2	9	6	14		Within grading limits
Unimpacted	35002	C216	Dead	Dead	10.0		Dead	Dead	WSDOT	Dead snag	0	0	0		Thin greating in the
Unimpacted	35003	C216	Dead	Dead Douglas-fir	9.9		Dead	Dead	WSDOT	Dead snag	0	0	0		
Unimpacted	35004	C216	Dead	Dead	8.0		Dead	Dead	WSDOT	Dead snag	0	0	0		
Remove	35005	C216	Acer platanoides	Norway maple	11.3	0.17	Good	Good	WSDOT	Category 2	8	5	12		Within grading limits
Unimpacted	35006 35008	C216 C216	Dead	Dead Western redcedar	11.2	9.4,6	Dead Dead	Dead	WSDOT WSDOT	Dead snag	0	0	0		
Unimpacted Unimpacted	35006	C216	Dead Pseudotsuga menziesii	Dead Douglas-fir	10.0		Poor	Dead Fair	WSDOT	Dead snag Category 2	7	4	11		
Remove	35010	C216	Acer platanoides	Norway maple	11.6		Good	Good	WSDOT	Category 2	8	5	12		Within grading limits
Unimpacted	35013	C216	Dead	Dead	8.0		Dead	Dead	WSDOT	Dead snag	0	0	0		graming minor
Remove	35014	C216	Acer platanoides	Norway maple	11.5		Good	Good	WSDOT	Category 2	8	5	12		Within grading limits
Remove	35015	C216	Acer platanoides	Norway maple	10.0		Good	Good	WSDOT	Category 2	7	4	10		Within grading limits
Unimpacted	35016	C216	Dead	Dead	8.0		Dead	Dead	WSDOT	Dead snag	0	0	0		
Unimpacted	35017 35018	C216 C216	Dead Dead	Dead Dead	6.0		Dead Dead	Dead Dead	WSDOT WSDOT	Dead snag Dead snag	0	0	0		
Unimpacted Unimpacted	35018	C216	Dead	Dead	6.0		Dead	Dead	WSDOT	Dead snag	0	0	0		
Remove	35020	C216	Acer platanoides	Norway maple	10.6		Good	Good	WSDOT	Category 2	7	4	11		Within grading limits
Remove	35021	C216	Cercidiphyllum japonicum	Katsura	9.6	6.6,7	Good	Fair	WSDOT	Category 2	10	4	10		Within grading limits
Remove	35022	C216	Cercidiphyllum japonicum	Katsura	9.6	7.7,5.7	Good	Fair	WSDOT	Category 2	10	4	10		Within grading limits
Remove	35023	C216	Cercidiphyllum japonicum	Katsura	11.0	6,6.5,6.5	Good	Fair	WSDOT	Category 2	11	5	11		Within grading limits
Remove	35024	C216	Cercidiphyllum japonicum	Katsura	11.6	7,5,5,6	Good	Fair	WSDOT	Category 2	12	5	12		Grading within 2 ft of trunk
Remove*	35025 35026	C216 C216	Acer platanoides Salix sp. (native)	Norway maple Native willow	6.8 17.1	7,7.3,8,11.3	Good Fair	Good Fair	WSDOT WSDOT	Category 2 Early successional species - no	5 \ 11	<u> </u>			Grading within 2 ft of trunk Grading within 4 ft of trunk?
Kemove	33020	0210	Salix Sp. (Halive)	Native willow	17.1	7,7.5,0,11.5	i ali	i dii	WSDOT	replacement required	, 11	,	U		Grading within 4 ft of trank :
Unimpacted	35068	C216	Dead	Dead	8.0		Dead	Dead	WSDOT	Dead snag	0	0	0		
Unimpacted	35069	C216	Dead	Dead	10.0		Dead	Dead	WSDOT	Dead snag	0	0	0		
Unimpacted	35070	C216	Dead	Dead	6.0		Dead	Dead	WSDOT	Dead snag	0	0	0		
Unimpacted	35071	C216	Dead Appropriate A	Dead Nervey ments	6.0		Dead	Dead	WSDOT	Dead snag	0	0	0		Mithin grading limits
Remove	35072 35073	C216 C216	Acer platanoides Dead	Norway maple Dead	7.1 8.0		Good Dead	Good Dead	WSDOT WSDOT	Category 2 Dead snag	0	3 0	δ O		Within grading limits
Unimpacted Unimpacted	35073	C216		Dead	8.0		Dead	Dead	WSDOT	Dead Snag Dead snag	0	0	0		
Remove	35074	C216	Acer platanoides	Norway maple	12.3		Good	Good	WSDOT	Category 2	8	5	13		Within grading limits
Unimpacted	35076	C216	Dead	Dead	8.0		Dead	Dead	WSDOT	Dead snag	0	0	0		5 5
Unimpacted	35077	C216	Dead	Dead	8.0		Dead	Dead	WSDOT	Dead snag	0	0	0		
Remove	35078	C216	Acer platanoides	Norway maple	13.0		Good	Good	WSDOT	Category 2	9	5	13		Within grading limits
Remove	35079	C216	Acer platanoides	Norway maple	10.0		Good	Good	WSDOT	Category 2	/	4	10		Within grading limits
Unimpacted Unimpacted	35080 35081	C216 C216	Dead Dead	Dead Dead	10.0 8.0		Dead Dead	Dead Dead	WSDOT WSDOT	Dead snag Dead snag	0	0	0		
Remove	35083	C216	Acer platanoides	Norway maple	13.0		Good	Good	WSDOT	Category 2	9	5	13		Within grading limits
Unimpacted	35085	C216	Dead	Dead	8.0		Dead	Dead	WSDOT	Dead snag	0	0	0		
Remove	35086	C216	Acer platanoides	Norway maple	10.9		Good	Good	WSDOT	Category 2	7	5	11		Within grading limits
Remove	35087	C216	Acer platanoides	Norway maple	12.0		Good	Good	WSDOT	Category 2	8	5	12		Within grading limits
Unimpacted	35088	C216	Dead	Dead	8.0		Dead	Dead	WSDOT	Dead snag	0	0	0		Market and Profits
Remove	35089	C216	Acer platanoides	Norway maple	12.8		Good	Good	WSDOT	Category 2	У	D .	13		Within grading limits





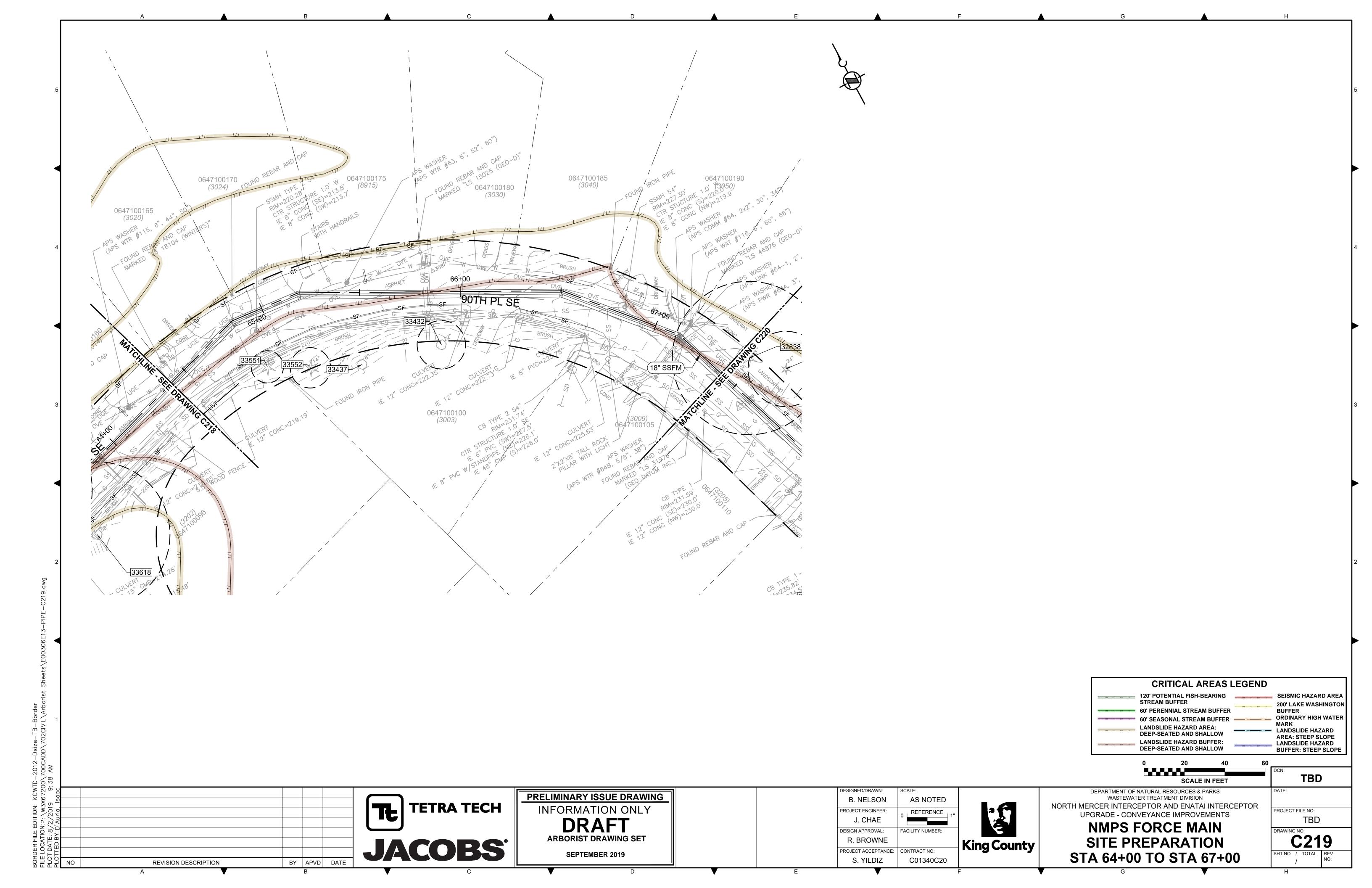
					Single Sten	n							Replaceme	»n	
					Equivalent		Health	Structural					ts required		
Proposed Action	n Tree ID	Sheet	Scientific Name	Common Name	DSH (in)	Multiple Stem DSH (in)	Condition	Condition	Jurisdictio	n Designation*	RLOD (ft)	MLOD (ft)	(Qty)	Protection Notes	Removal Reason
Remove	66	C217	Cercidiphyllum japonicum	Katsura tree	6.9	4,3,3,3,2	Good	Good	WSDOT	Category 2	7	3	7		Within grading limits
Remove	68	C217	Cercidiphyllum japonicum	Katsura tree	6.7	4,4,3,2	Good	Good	WSDOT	Category 2	7	3	7		Within grading limits
Remove (dead) Remove (dead)	72	C217 C217	Dead Dead	Dead Dead	9.0		Dead Dead	Dead Dead	WSDOT WSDOT	Dead snag Dead snag	0	0	0		Dead Dead
Unimpacted	74	C217	Pseudotsuga menziesii	Douglas-fir	11.8		Poor	Good	WSDOT	Category 2	8	5	12		Deau
Remove	24232	C217	Cercidiphyllum japonicum	Katsura tree	5.7	4,3,2,2	Fair	Good	WSDOT	Category 2	6	2	6		Within grading limits
Remove	24233	C217	Cercidiphyllum japonicum	Katsura	11.1	3,4,4,4,5,5	Good	Good	WSDOT	Category 2	11	5	12		Within grading limits
Remove	24234	C217	Cercidiphyllum japonicum	Katsura tree	5.2	3,2.5,2,2,2	Good	Good	WSDOT	Category 2	5	2	6		Grading within 3 ft of trunk
Protect Remove	24235 24236	C217 C217	Pseudotsuga menziesii Acer platanoides	Douglas-fir Norway maple	16.0 7.8		Fair Good	Good Good	WSDOT WSDOT	Category 2 Category 2	11 5	2	16 g	Chainlink fence at 3' from trunk	Within grading limits
Remove	24230	C217	Fraxinus spp	Ash	6.0		Good	Good	WSDOT	Category 2	4	3	6		Within grading limits Within grading limits
Unimpacted	24300	C217	Cercidiphyllum japonicum	Katsura tree	4.2	1.5,1.5,1.5,1.5,1.5,1.5,1.5	Good	Good	WSDOT	Category 2	4	2	5		
Unimpacted	24301	C217	Acer circinatum	Vine maple	4.7	1.5,1.5,1.5,1.5,1.5,1.5,1.5,1.5,1.5,1.5	Good	Good	WSDOT	Category 2	3	2	5		
Unimpacted	24302	C217	Acer circinatum	Vine maple	4.7	1.5,1.5,1.5,1.5,1.5,1.5,1.5,1.5,1.5	Good	Good	WSDOT	Category 2	3	2	5		
Unimpacted Unimpacted	24303 34283	C217 C217	Acer circinatum Fraxinus spp	Vine maple Ash	4.7 5.5	1.5,1.5,1.5,1.5,1.5,1.5,1.5,1.5,1.5	Good Good	Good Good	WSDOT WSDOT	Category 2	3 1	2	5		
Protect	34285	C217	Fraxinus spp	Ash	6.0		Good	Good	WSDOT	Category 2 Category 2	4	3	6	Chainlink fence at grading limits	
Protect	34286	C217	Cercidiphyllum japonicum	Katsura	7.7	5,4,3,3	Good	Good	WSDOT	Category 2	8	3	8	Chainlink fence at grading limits	
Protect	34287	C217	Cercidiphyllum japonicum	Katsura	11.4	5.5,5,5,4,4,3,3	Good	Good	WSDOT	Category 2	11	5	12	Chainlink fence at grading limits	
Protect	34288	C217	Cercidiphyllum japonicum	Katsura	7.8	5,6	Good	Good	WSDOT	Category 2	8	3	8	place chainlink fencing at limits of RLOD	
Remove Remove	34289 34290	C217 C217	Fraxinus spp Fraxinus spp	Ash Ash	7.0 7.0		Good Good	Good Good	WSDOT WSDOT	Category 2	<u>5</u>	3	7		Grading within 2 ft of trunk Within grading limits
Protect	34290	C217	Pinus nigra	Austrian black pine	12.3		Fair	Good	WSDOT	Category 2 Category 2	8	<u> </u>	13	Chainlink fence at grading limits	Within grading limits
Protect	34297	C217	Cercidiphyllum japonicum	Katsura	11.4	6,5,5,4,3,3,3	Good	Good	WSDOT	Category 2	11	5	12	Chainlink fence at 8' from trunk	
Remove	34298	C217	Fraxinus spp	Ash	8.0		Good	Good	WSDOT	Category 2	5	3	8		Grading within 1 ft of trunk
Remove	34299	C217	Cercidiphyllum japonicum	Katsura	10.6	7, 8	Fair	Good	WSDOT	Category 2	11	4	11		Excavation within 7 ft of trunk; fair condition
Unimpacted	34300 34301	C217 C217	Pseudotsuga menziesii Pseudotsuga menziesii	Douglas-fir	15.0 6.9		Fair Good	Fair Good	WSDOT WSDOT	Category 2	10	6	15		
Unimpacted Unimpacted	34301	C217	Pseudotsuga menziesii	Douglas-fir Douglas-fir	9.2		Fair	Fair	WSDOT	Category 2 Category 2	<u> </u>	4	10		
Protect	34303	C217	Pseudotsuga menziesii	Douglas-fir	10.5		Fair	Fair	WSDOT	Category 2	7	4	11	Chainlink fence, no excavation for vault within RLOD	
Remove	34304	C217	Acer macrophyllum	Bigleaf maple	13.0		Good	Good	WSDOT	Category 2	9	5	13		Within excavation limits
Remove (dead)	34305	C217	Dead	Dead	8.0		Dead	Dead	WSDOT	Dead snag	0	0	0		Dead
Remove (dead)	34306 34307	C217 C217	Dead	Dead Douglas-fir	12.0		Dead	Dead	WSDOT WSDOT	Dead snag	0	0	0		Dead
Remove (dead) Remove	34307	C217	Dead Pseudotsuga menziesii	Dead Douglas-fir Douglas-fir	10.3		Dead Poor	Dead Fair	WSDOT	Dead snag Category 2	9	5	13		Grading within RLOD, poor condition
Protect	34309	C217	Pseudotsuga menziesii	Douglas-fir	11.2		Poor	Fair	WSDOT	Category 2	7	5	12	Chainlink fence at RLOD	Craumy main (1200) poor containen
Protect	34310	C217	Pseudotsuga menziesii	Douglas-fir	13.0		Good	Good	WSDOT	Category 2	9	5	13	Chainlink fence at 4' from trunk	
Remove	34311	C217	Cercidiphyllum japonicum	Katsura	10.2	5,4,4,4,4	Good	Good	WSDOT	Category 2	10	4	11		Within grading limits
Remove Protect	34312 34313	C217 C217	Cercidiphyllum japonicum Cercidiphyllum japonicum	Katsura Katsura	10.3 6.2	3,3,5,4,4,4,4 3,3,2,2,2,2,2	Good Fair	Good Fair	WSDOT WSDOT	Category 2 Category 2	10	2	11 7	Chainlink fence at RLOD	Within grading limits
Unimpacted	34314	C217	Pseudotsuga menziesii	Douglas-fir	12.5	0,0,2,2,2,2	Poor	Fair	WSDOT	Category 2	8	 5	13	CHAIRIIR ICIICC AT NEOD	
Unimpacted	34315	C217	Pseudotsuga menziesii	Douglas-fir	11.6		Fair	Good	WSDOT	Category 2	8	5	12		
Remove	34316	C217	Acer platanoides	Norway maple	12.0		Good	Good	WSDOT	Category 2	8	5	12		Within grading limits
Unimpacted	34317	C217	Pseudotsuga menziesii	Douglas-fir	7.0	A A	Poor	Good	WSDOT	Category 2	5	3	7		Consider within 2 ft of towns.
Remove Unimpacted	34318 34319	C217 C217	Cercidiphyllum japonicum Dead	Katsura Dead Douglas-fir	5.7 10.0	4,4	Good Dead	Good Dead	WSDOT WSDOT	Category 2 Dead snag	<u> </u>	0	0		Grading within 2 ft of trunk
Unimpacted	34320	C217	Pseudotsuga menziesii	Douglas-fir	10.0		Good	Fair	WSDOT	Category 2	7	4	10		
Remove	34321	C217	Cercidiphyllum japonicum	Katsura	4.3		Fair	Good	WSDOT	Category 2	4	2	5		Grading within 2 ft of trunk
Unimpacted	34322	C217	Cercidiphyllum japonicum	Katsura	5.0	3,4	Fair	Good	WSDOT	Category 2	5	2	5		
Unimpacted	34323 34324	C217	Cercidiphyllum japonicum	Katsura	7.7 5.2	5,3,4,3 3,3,3	Good	Good	WSDOT WSDOT	Category 2	8	3	8		
Unimpacted Remove	34324	C217 C217	Cercidiphyllum japonicum Acer platanoides	Katsura Norway maple	9.2	3,3,3	Good Good	Good Good	WSDOT	Category 2 Category 2	<u> </u>	Δ	10		Grading within 2 ft of trunk
Remove	34326	C217	Cercidiphyllum japonicum	Katsura	9.8	6, 6, 5	Good	Good	WSDOT	Category 2	10	4	10		Within grading limits
Remove	34327	C217	Cercidiphyllum japonicum	Katsura	10.0	6,5,5.5,3	Good	Good	WSDOT	Category 2	10	4	11		Within grading limits
Unimpacted	34328	C217	Acer platanoides	Norway maple	9.0		Good	Good	WSDOT	Category 2	6	4	9		
Protect	34329	C217	Acer platanoides	Norway maple	7.0		Fair	Good	WSDOT	Category 2	5	3	7	Chainlink fence at RLOD	Crading within 2 ft of trunk
Remove Unimpacted	34333 34342	C217 C217	Acer platanoides Acer platanoides	Norway maple Norway maple	7.3 6.2		Good Good	Good Good	WSDOT WSDOT	Category 2 Category 2	4	3	7		Grading within 2 ft of trunk
Unimpacted	34343	C217	Acer platanoides	Norway maple	10.5		Good	Good	WSDOT	Category 2	7	4	11		
Protect	34344	C217	Acer platanoides	Norway maple	8.0		Good	Good	WSDOT	Category 2	5	3	8	Chainlink fence at RLOD	
Protect*	34888	C217	Acer platanoides	Norway maple	12.0		Good	Good	WSDOT	Category 2	8	5	12	Chainlink fence at grading limits	
Protect	34965	C217	Acer platanoides	Norway maple	9.8		Good	Good	WSDOT	Category 2	7	4	10	Chainlink fence at grading limits	Crading within MLOD
Remove Remove	34966 34967	C217 C217	Cercidiphyllum japonicum Cercidiphyllum japonicum	Katsura tree Katsura	7.5 6.0	4,4,2	Good Good	Good Good	WSDOT WSDOT	Category 2 Category 2	6	3	6		Grading within MLOD Within excavation limits
Remove	34968	C217	Acer platanoides	Norway maple	13.5	9.97	Good	Good	WSDOT	Category 2	9	6	14		Within grading limits
Remove	34969	C217	Cercidiphyllum japonicum	Katsura	8.1	4,4,4,3,3	Good	Good	WSDOT	Category 2	8	3	9		Within grading limits
Remove	34970	C217	Cercidiphyllum japonicum	Katsura	10.9	6,5.8,5,4,3	Good	Good	WSDOT	Category 2	11	5	11		Within grading limits
Remove	34971	C217	Cercidiphyllum japonicum	Katsura	12.2	5,5,4,4,7,3,3	Good	Good	WSDOT	Category 2	12	5	13		Within grading limits
Remove Protect	34972 34973	C217 C217	Acer platanoides Acer platanoides	Norway maple Norway maple	11.5 10.0		Good Good	Good Good	WSDOT WSDOT	Category 2 Category 2	7	Δ	12 10	Chainlink fence at grading limits	Within grading limits
1 101001	31/13	VL 11	Hoor platariolacs	rvorvay mapic	10.0		300u	300u	**3001	Jaiogory 2	ı	ı	1 0	Chammin 101100 at grading illilits	





Proposed Action	on Tree ID	Sheet	Scientific Name	Common Name	Single Stem Equivalent DSH (in)	Multiple Stem DSH (in)	Health Condition	Structural Condition	Jurisdictio	n Designation*	RLOD (ft)	MLOD (ft)	Replaceme ts required (Oty)	n Protection Notes Removal Reason
Unimpacted	76	C218	Pseudotsuga menziesii	Douglas-fir	22.0		Good	Good	COMI	Exceptional - Grove	15	9	6	
Protect	77	C218	Pinus nigra	Austrian black pine	17.3		Good	Good	PRIVATE	Large (Regulated) tree >10"	12	7	2	Chainlink fencing at edge of asphalt
Protect	33618	C218	Acer macrophyllum	Bigleaf maple	36.1	15, 15, 15, 15, 20	Good	Fair	COMI	Exceptional	36	15	6	If excavation within RLOD: arborist must be present. Asphalt remains as ground protection.
Protect	33844	C218	Thuja plicata	Western redcedar	37.3		Good	Good	COMI	Exceptional	37	16	6	If excavation within RLOD: arborist must be present. Asphalt remains as ground protection.
Protect	33910	C218	Pinus nigra	Austrian black pine	18.0		Good	Good	COMI	10"-24"	12	8	2	If excavation within RLOD: arborist must be present. Asphalt remains as ground protection.
Protect	34123	C218	Acer circinatum	Vine maple	8.1	4, 4, 5, 3	Fair	Good	COMI	Exceptional	5	3	6	Chainlink fence at grading limits
Remove	34284	C218	Acer platanoides	Norway maple	14.7		Good	Good	WSDOT	Category 2	10	6	15	Within grading limits

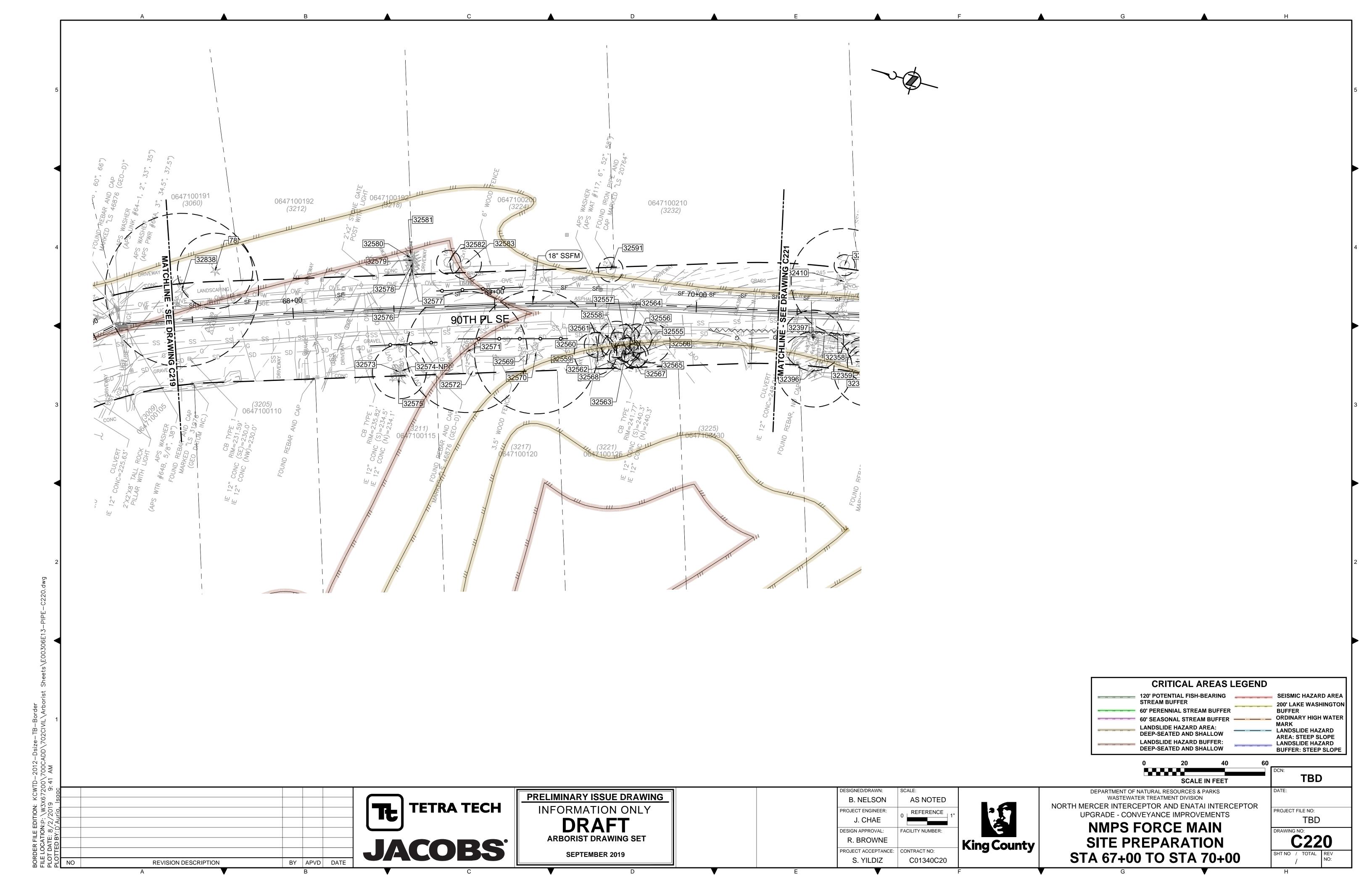




Mercer Island Tree Table DRAFT North Mercer Island and Enatai Upgrade Project Appendix F August 2, 2019

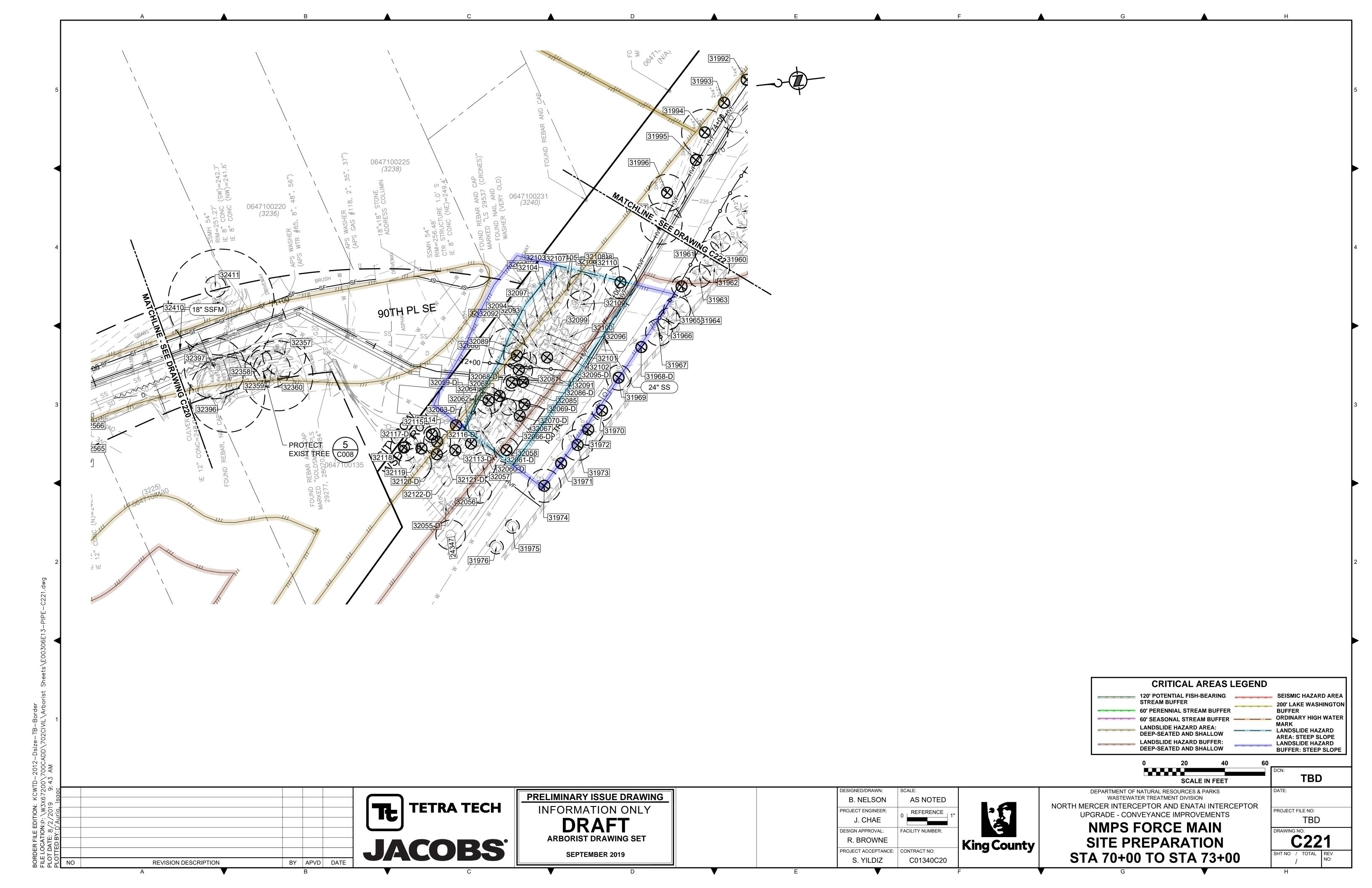
					Single Stem							Replacem	en	
					Equivalent	Health	Structural					ts required	d	
Proposed Action	Tree ID	Sheet	Scientific Name	Common Name	DSH (in) Multiple Stem DSH (in)	Condition	Condition	Jurisdiction	Designation*	RLOD (ft)	MLOD (ft)	(Qty)	Protection Notes	Removal Reason
Unimpacted 3	33432	C219	Prunus sp.	Cherry	18.0	Good	Good	PRIVATE	Large (Regulated) tree >10"	12	8	2		
Unimpacted 3	33551	C219	Pseudotsuga menziesii	Douglas-fir	12.0	Good	Fair	COMI	Exceptional - Grove	8	5	6		
Unimpacted 3	33552	C219	Cedrus deodara	Deodar cedar	15.0	Good	Good	COMI	10"-24"	10	6	2		





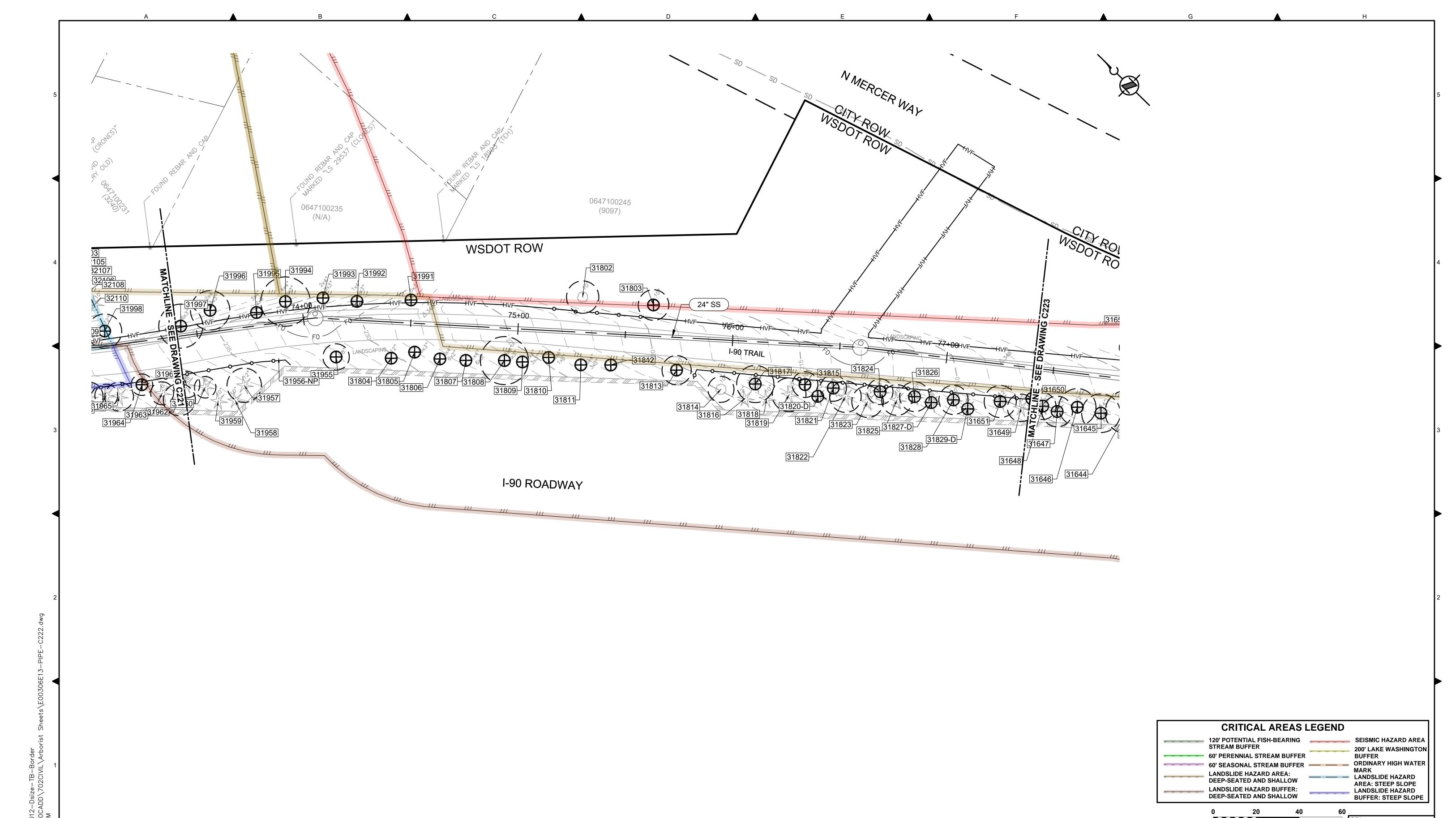
					Single Ste	m							Replaceme	n
					Equivalent		Health	Structural					ts required	
Proposed Actio	n Tree ID	Sheet	Scientific Name	Common Name	DSH (in)	Multiple Stem DSH (in)	Condition	Condition	Jurisdiction	n Designation*	RLOD (ft)	MLOD (ft)	(Qty)	Protection Notes Removal Reason
Protect	78	C220	Pseudotsuga menziesii	Douglas-fir	28.0		Good	Good	PRIVATE	Large (Regulated) tree >10"	19	12	3	Chainlink fencing at edge of asphalt
Protect	32555	C220	Thuja plicata	Western redcedar	10.0		Good	Good	COMI	10"-24"	10	4	2	Chainlink fencing at edge of asphalt; minor clearance pruning
Protect	32556	C220	Thuja plicata	Western redcedar	7.2		Good	Fair	COMI	6" - 10"	7	3	1	Chainlink fencing at edge of asphalt; minor clearance pruning
Protect	32557	C220	Pseudotsuga menziesii	Douglas-fir	11.0		Good	Good	COMI	10"-24"	7	5	2	Chainlink fencing at edge of asphalt; minor clearance pruning
Protect	32558	C220	Thuja plicata	Western redcedar	9.0		Good	Fair	COMI	6" - 10"	9	4	1	Chainlink fencing at edge of asphalt; minor clearance pruning
Protect	32559	C220	Thuja plicata	Western redcedar	10.5		Good	Fair	COMI	10"-24"	11	4	2	Chainlink fencing at edge of asphalt; minor clearance pruning
Protect	32560	C220	Pseudotsuga menziesii	Douglas-fir	9.5		Good	Good	COMI	6" - 10"	6	4	1	Chainlink fencing at edge of asphalt; minor clearance pruning
Protect	32561	C220	Thuja plicata	Western redcedar	8.0		Good	Fair	COMI	6" - 10"	8	3	1	Chainlink fencing at edge of asphalt; minor clearance pruning
Protect	32562	C220	Thuja plicata	Western redcedar	6.0		Good	Fair	COMI	6" - 10"	6	3	1	Chainlink fencing at edge of asphalt; minor clearance pruning
Protect	32563	C220	Thuja plicata	Western redcedar	6.0		Good	Good	COMI	6" - 10"	6	3	1	Chainlink fencing at edge of asphalt; minor clearance pruning
Protect	32564	C220	Thuja plicata	Western redcedar	6.0		Good	Good	COMI	6" - 10"	6	3	1	Chainlink fencing at edge of asphalt; minor clearance pruning
Unimpacted	32565	C220	Thuja plicata	Western redcedar	6.0		Good	Good	COMI	6" - 10"	6	3	1	
Unimpacted	32566	C220	Thuja plicata	Western redcedar	6.0		Good	Good	COMI	6" - 10"	6	3	1	
Protect	32570	C220	Pseudotsuga menziesii	Douglas-fir	30.6		Good	Good	COMI	Exceptional	31	13	6	Chainlink fencing at edge of asphalt; minor clearance pruning
Protect	32571	C220	Pseudotsuga menziesii	Douglas-fir	30.0		Good	Good	COMI	24"-36"	30	13	3	Chainlink fencing at edge of asphalt; minor clearance pruning
Protect	32573	C220	Pseudotsuga menziesii	Douglas-fir	20.0		Fair	Fair	COMI	10"-24"	13	8	2	Chainlink fencing at edge of asphalt; minor clearance pruning
Unimpacted	32574	C220	Not Present - Removed	Not Present	10.0		Removed	Removed	COMI	Stump - Not Present	n/a	n/a	0	
Unimpacted	32582	C220	Prunus cerasifera	Cherry plum	8.9	8, 4	Good	Good	PRIVATE	<10"	6	4	0	
Unimpacted	32583	C220	Prunus cerasifera	Cherry plum	11.7	8, 6, 6	Good	Good	PRIVATE	Large (Regulated) tree >10"	8	5	2	
Unimpacted	32591	C220	Crataegus monogyna	Common hawthorn	9.2	5, 3, 3, 4, 5	Good	Fair	COMI	6" - 10"	6	4	1	
Protect	32838	C220	Pseudotsuga menziesii	Douglas-fir	38.0		Good	Good	COMI	Exceptional	38	16	6	Chainlink fencing at edge of asphalt





					Single Ste		Heelik	Charachanal					Replaceme	n	
Proposed Action	Tree ID	Sheet	Scientific Name	Common Name	Equivalen DSH (in)	: Multiple Stem DSH (in)	Health Condition	Structural Condition	lurisdictio	n Designation*	RLOD (ft)	MLOD (ft)	ts required (Qty)	Protection Notes	Removal Reason
Unimpacted	24347	C221	Acer platanoides	Norway maple	11.0	Multiple Stelli D3H (III)	Good	Good	WSDOT	Category 2	7	5	11	Flotection Notes	Nemovai Neason
Protect	31962	C221	Pseudotsuga menziesii	Douglas-fir	11.2		Poor	Fair	WSDOT	Category 2	7	5	12	Chainlink fence at grading limits	
Unimpacted	31963	C221	Pinus thunbergii	Japanese black pine	8.0		Fair	Fair	WSDOT	Category 2	5	3	8	3 3	
Remove	31964	C221	Acer platanoides	Norway maple	7.5		Poor	Fair	WSDOT	Category 2	5	3	8		Grading within 2 ft of trunk, poor condition.
Protect	31965	C221	Pseudotsuga menziesii	Douglas-fir	10.0		Good	Good	WSDOT	Category 2	7	4	10	Chainlink fencing at edge of asphalt	
Protect	31966	C221	Pseudotsuga menziesii	Douglas-fir	8.0		Good	Good	WSDOT	Category 2	5	3	8	Chainlink fencing at 4' from trunk	
Protect Remove (dead)	31967 31968	C221 C221	Pseudotsuga menziesii Dead	Douglas-fir Dead Norway maple	9.2		Good Dead	Good Dead	WSDOT WSDOT	Category 2 Dead snag	<i>/</i>	<u>4</u>	0	Chainlink fencing at edge of asphalt	within grading limits
Remove	31969	C221	Acer platanoides	Norway maple	9.3		Good	Fair	WSDOT	Category 2	6	4	10		Within grading limits
Remove	31970	C221	Acer platanoides	Norway maple	7.5		Good	Good	WSDOT	Category 2	5	3	8		Within grading limits
Remove	31971	C221	Acer platanoides	Norway maple	7.3		Good	Good	WSDOT	Category 2	5	3	8		Within grading limits
Remove	31972	C221	Pinus thunbergii	Japanese black pine	11.8		Good	Good	WSDOT	Category 2	8	5	12		Within grading limits
Remove	31973	C221	Pinus thunbergii	Japanese black pine	11.5		Good	Good	WSDOT	Category 2	8	5	12		Within grading limits
Remove	31974	C221	Pinus thunbergii	Japanese black pine	12.3		Good	Good	WSDOT	Category 2	8	5	13		Within grading limits
Unimpacted	31975 31976	C221 C221	Pyrus calleryana	Callery pear	5.1 5.1		Poor Poor	Good Good	WSDOT WSDOT	Category 2	3	2	6		
Unimpacted Remove	31976	C221	Pyrus calleryana Acer platanoides	Callery pear Norway maple	12.0		Good	Good	WSDOT	Category 2 Category 2	<u> </u>	<u> </u>	12		Within grading limits
Unimpacted	32055	C221	Dead	Dead	10.0		Dead	Dead	WSDOT	Dead snag	0	0	0		within grading infines
Unimpacted	32056	C221	Acer platanoides	Norway maple	9.0		Fair	Good	WSDOT	Category 2	6	4	9		
Protect	32057	C221	Acer platanoides	Norway maple	9.5		Good	Good	WSDOT	Category 2	6	4	10	Chainlink fencing at edge of asphalt	
Remove	32058	C221	Acer platanoides	Norway maple	9.2		Good	Good	WSDOT	Category 2	6	4	10		Within grading limits
Remove (dead)	32059	C221	Dead	Dead	10.0		Dead	Dead	WSDOT	Dead snag	0	0	0		Dead: within 5 feet of work limits
Unimpacted	32060	C221	Dead	Dead	6.0		Dead	Dead	WSDOT	Dead snag	0	0	0		
Unimpacted	32061	C221	Dead Pagudatauga manziasii	Dead Dayslas fir	6.0		Dead	Dead	WSDOT	Dead snag	0	0	12	Chainlink fance autoide DLOD	
Protect Remove (dead)	32062 32063	C221 C221	Pseudotsuga menziesii Dead	Douglas-fir Dead	12.0 4.0		Fair Dead	Good Dead	WSDOT WSDOT	Category 2 Dead snag	δ 0	0	12	Chainlink fence outside RLOD	Dead: within 5 feet of work limits
Remove (dead)	32064	C221	Pseudotsuga menziesii	Douglas-fir	10.0		Fair	Good	WSDOT	Category 2		Δ	10		Excavation within 8 ft of trunk
Unimpacted	32065	C221	Pseudotsuga menziesii	Douglas-fir	3.0		Good	Good	WSDOT	Category 3	0	0	n/a		Excavation within one or trank
Unimpacted	32066	C221	Dead	Dead	6.0		Dead	Dead	WSDOT	Dead snag	0	0	0		
Protect	32067	C221	Pseudotsuga menziesii	Douglas-fir	6.0		Fair	Good	WSDOT	Category 2	4	3	6	TBD	
Remove (dead)	32068	C221	Dead	Dead	6.0		Dead	Dead	WSDOT	Dead snag	0	0	0		Dead: within 5 feet of work limits
Remove (dead)	32069	C221	Dead	Dead	10.0		Dead	Dead	WSDOT	Dead snag	0	0	0		Dead: within 5 feet of work limits
Remove (dead)	32070	C221	Dead Deaveloteurs manufacii	Dead	10.0		Dead	Dead	WSDOT	Dead snag	0	0	0		Dead: within 5 feet of work limits
Remove (doad)	32085 32086	C221 C221	Pseudotsuga menziesii Dead	Douglas-fir	4.0		Good	Good	WSDOT WSDOT	Category 2	4	3	0		Within excavation limits Dead: within limits of excavation
Remove (dead) Remove	32087	C221	Pseudotsuga menziesii	Dead Douglas-fir	10.5		Dead Good	Dead Good	WSDOT	Dead snag Category 2	7	4	11		Within excavation limits
Remove	32088	C221	Pseudotsuga menziesii	Douglas-fir	10.0		Good	Good	WSDOT	Category 2	7	4	10		within 6 ft of excavation
Protect	32089	C221	Pseudotsuga menziesii	Douglas-fir	13.5		Good	Good	WSDOT	Category 2	9	6	14	Chainlink fence outside RLOD	
Protect	32091	C221	Pseudotsuga menziesii	Douglas-fir	6.0		Good	Good	WSDOT	Category 2	4	3	6	Chainlnk fence at 4' from trunk	Within excavation limits
Remove (dead)	32095	C221	Dead	Dead	8.0		Dead	Dead	WSDOT	Dead snag	0	0	0		within 5 ft of work limits, dead
Unimpacted	32108	C221	Pseudotsuga menziesii	Douglas-fir	10.0		Good	Good	WSDOT	Category 2	7	4	10		
Unimpacted	32109	C221	Pseudotsuga menziesii	Douglas-fir	10.0		Poor	Fair	WSDOT	Category 2	7	4	10		W. FO. C. L. W. W. L. L.
Remove (dead)	32113	C221	Dead Dead	Dead Douglas fir	8.0		Dead	Dead	WSDOT	Dead snag	<u>U</u>	U	10		within 5 ft of work limits, dead
Remove Remove	32114 32115	C221 C221	Pseudotsuga menziesii Betula pendula	Douglas-fir European white birch	10.0 6.0		Fair Poor	Good Good	WSDOT WSDOT	Category 2 Category 2	/ Λ	3	6		Within work limits; poor condition Excavation too close; poor condition
Remove (dead)	32116	C221	Dead	Dead	4.0		Dead	Dead	WSDOT	Dead snag	0	0	0		within 5 ft of work limits, dead
Remove (dead)	32117	C221	Dead	Dead	8.0		Dead	Dead	WSDOT	Dead snag	0	0	0		within work limits, dead
Remove	32118	C221	Pseudotsuga menziesii	Douglas-fir	10.0		Poor	Good	WSDOT	Category 2	7	4	10		Within work limits; poor condition
Unimpacted	32119	C221	Pseudotsuga menziesii	Douglas-fir	12.0		Good	Good	WSDOT	Category 2	8	5	12		
Unimpacted	32120	C221	Dead	Dead	10.0		Dead	Dead	WSDOT	Dead snag	0	0	0		
Unimpacted	32121	C221	Dead	Dead	6.0		Dead	Dead	WSDOT	Dead snag	0	0	0		
Unimpacted	32122	C221	Dead Dead	Dead Deuglas fir	6.0		Dead	Dead	WSDOT	Dead snag	<u> </u>	7	0	Chainlink foncing at adds of southelt	
Protect Protect	32357 32358	C221	Pseudotsuga menziesii Crataegus monogyna	Douglas-fir Common hawthorn	16.0 8.0		Good Good	Good Fair	COMI	10"-24" 6" - 10"		3	1	Chainlink fencing at edge of asphalt	
Protect	32358	C221	Acer macrophyllum	Bigleaf maple	13.6	8, 8, 6.5, 4	Good	Fair	COMI	10"-24"	Q	6	2	Chainlink fencing at edge of asphalt Chainlink fencing at edge of asphalt, careful excavation	
Unimpacted	32360	C221	Pseudotsuga menziesii	Douglas-fir	26.0	0, 0, 0.0, 1	Good	Good	COMI	24"-36"	17	11	3	Chamming to cage of aspirate, careful excavation	
Protect	32396	C221	Pseudotsuga menziesii	Douglas-fir	28.0		Good	Good	COMI	24"-36"	19	12	3	Chainlink fencing at edge of asphalt	
Protect	32397	C221	Salix scouleriana	Scouler's willow	22.6	8, 8, 8, 7, 9, 6, 8, 8, 5	Fair	Fair	COMI	Exceptional	15	9	6	Chainlink fencing at edge of asphalt, careful excavation	
Protect	32410	C221	Thuja plicata	Western redcedar	26.2	17, 20	Good	Fair	COMI	24"-36"	26	11	3	Chainlink fencing at edge of asphalt, careful excavation	
Unimpacted	32411	C221	Crataegus monogyna	Common hawthorn	7.8		Good	Good	WSDOT	Category 2	5	3	8		





INFORMATION ONLY

DRAFT

ARBORIST DRAWING SET

SEPTEMBER 2019

B. NELSON

PROJECT ENGINEER:

J. CHAE

DESIGN APPROVAL:

R. BROWNE

PROJECT ACCEPTANCE:

S. YILDIZ

AS NOTED

REFERENCE

1"

CONTRACT NO:

CO1340C20

King County

DEPARTMENT OF NATURAL RESOURCES & PARKS
WASTEWATER TREATMENT DIVISION
NORTH MERCER INTERCEPTOR AND ENATAI INTERCEPTOR
UPGRADE - CONVEYANCE IMPROVEMENTS

NORTH MERCER INTERCEPTOR SITE PREPARATION STA 73+00 TO STA 77+00

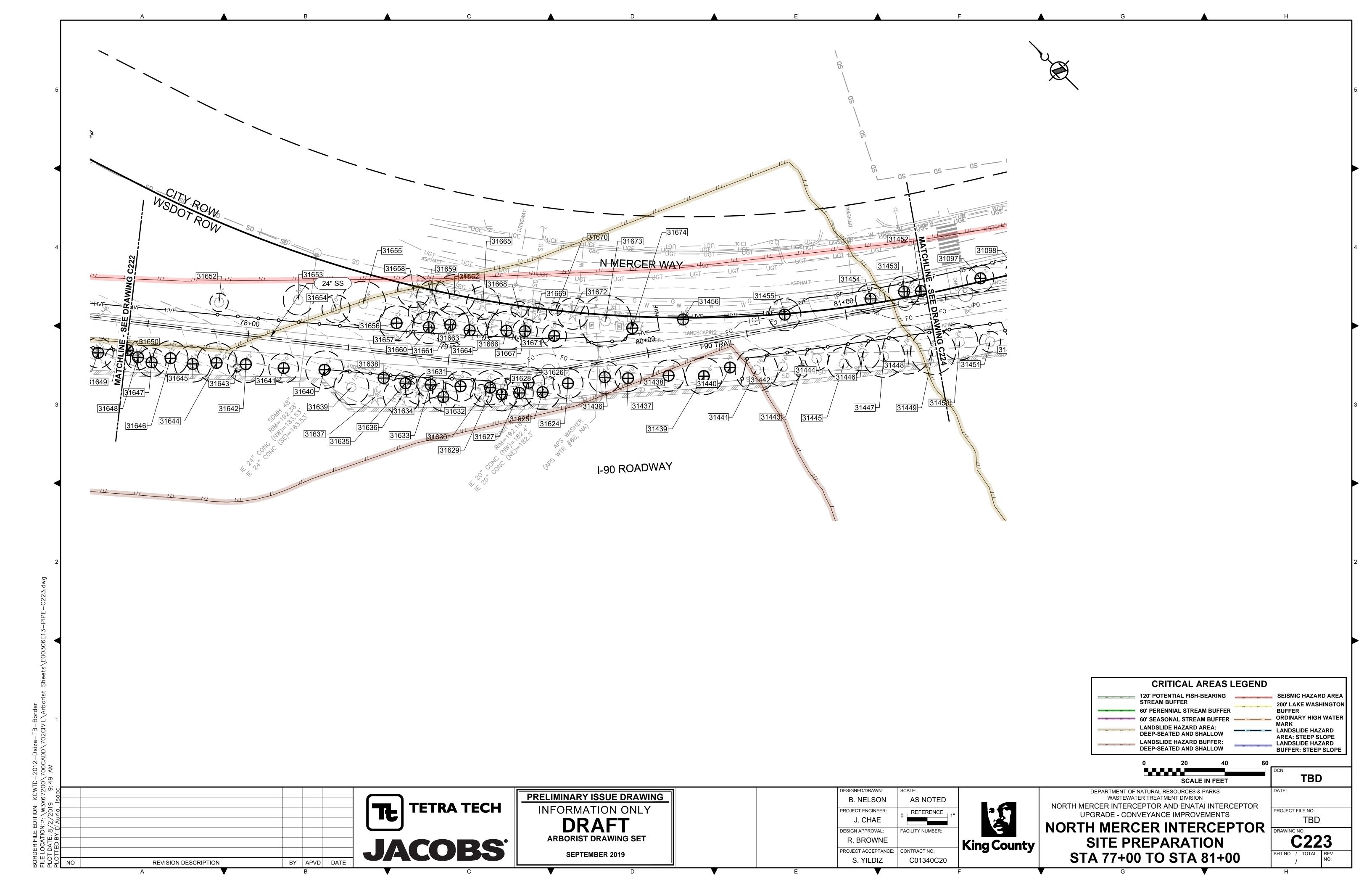
PROJECT FILE NO:
TBD

DRAWING NO:
C222

TBD

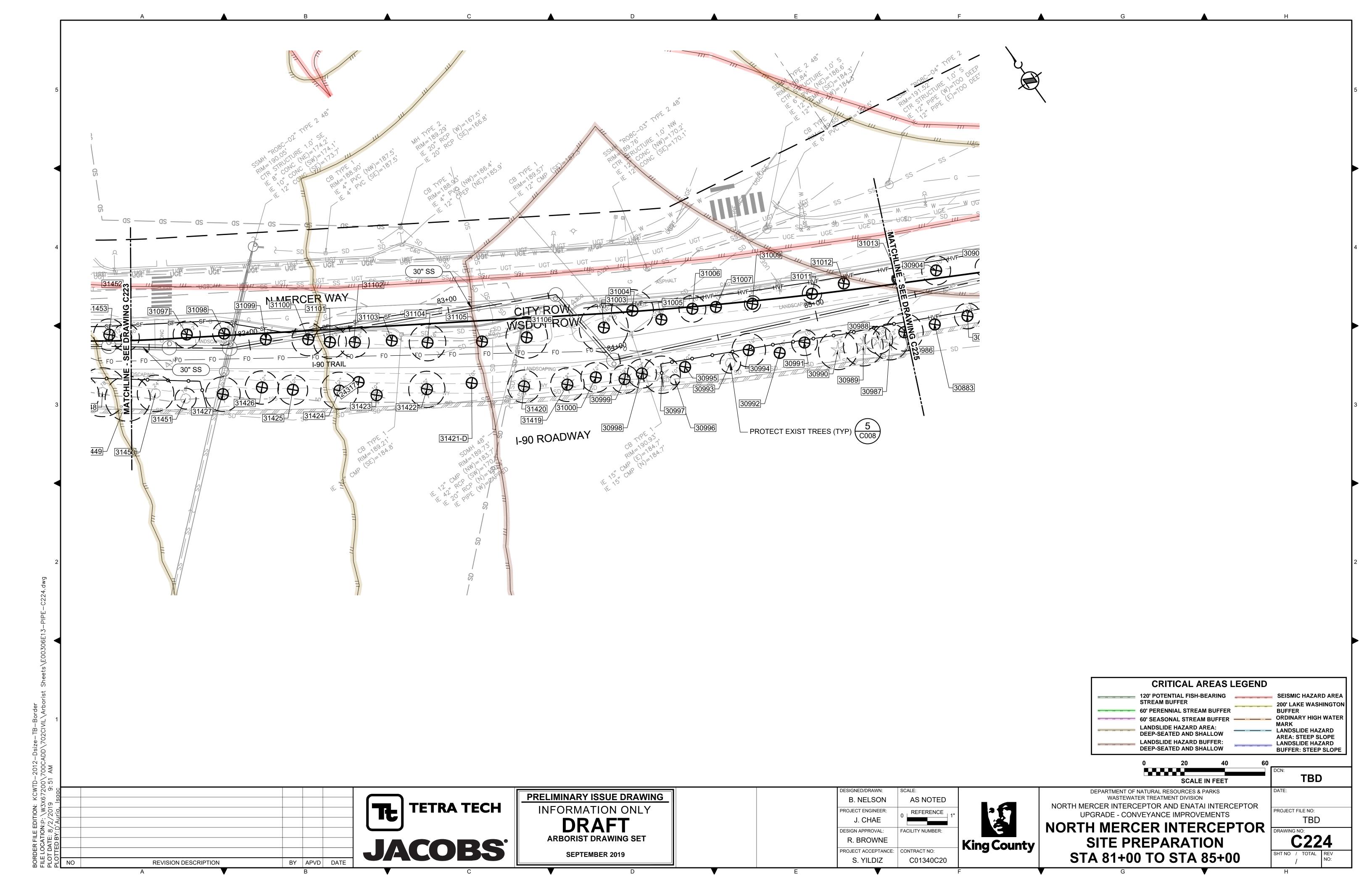
					Single Ster	n							Replacer	man	
					Equivalent	''	Health	Structural					ts requir		
Proposed Actio	n Tree ID	Sheet	Scientific Name	Common Name	DSH (in)	Multiple Stem DSH (in)	Condition	Condition	Jurisdiction	n Designation*	RLOD (ft)	MLOD (ft)	(Qty)	Protection Notes	Removal Reason
Protect	31649	C222	Pseudotsuga menziesii	Douglas-fir	9.6	manipro otom bom (m)	Fair	Good	WSDOT	Category 2	6	4	10	Place chainlink fencing within 2 ft of trench wall	Retention status should be consistent with adjacent Doug
	0.0.7	0	r eeddactedga menzieen	20 agrao	7.0			0000			· ·	•	. •	The state of the s	firs
Remove	31651	C222	Pinus thunbergii	Japanese black pine	11.2	8.5,7.3	Fair	Fair	WSDOT	Category 2	7	5	12		Grading within MLOD
Protect	31802	C222	Acer platanoides	Norway maple	11.3		Good	Good	WSDOT	Category 2	8	5	12	Chainlink fence at RLOD	ŭ
Remove	31803	C222	Acer platanoides	Norway maple	10.7		Good	Good	WSDOT	Category 2	7	4	11		Grading within RLOD
Remove	31804	C222	Cercidiphyllum japonicum	Katsura tree	7.5	2,3,3,3,3,4	Fair	Good	WSDOT	Category 2	7	3	8		Grading within RLOD
Remove	31805	C222	Cercidiphyllum japonicum	Katsura tree	8.7	3,3,3,4,4,4	Fair	Good	WSDOT	Category 2	9	4	9		Grading within RLOD
Remove	31806	C222	Cercidiphyllum japonicum	Katsura tree	8.4	5,3,3,3,3,3	Good	Good	WSDOT	Category 2	8	3	9		Grading within RLOD
Remove	31807	C222	Cercidiphyllum japonicum	Katsura tree	8.2	3,3,3,4,4	Fair	Good	WSDOT	Category 2	8	3	9		Grading within RLOD
Remove	31808	C222	Cercidiphyllum japonicum	Katsura tree	11.2	4,6,4,4,4,5	Good	Good	WSDOT	Category 2	11	5	12		Grading within RLOD
Remove	31809	C222	Cercidiphyllum japonicum	Katsura tree	8.7	3,3,3,4,4,4	Good	Good	WSDOT	Category 2	9	4	9		Grading within RLOD
Remove	31810	C222	Cercidiphyllum japonicum	Katsura tree	7.5	4,4,4,3	Good	Fair	WSDOT	Category 2	8	3	8		Grading within RLOD
Remove	31811	C222	Cercidiphyllum japonicum	Katsura tree	8.7	3,3,3,4,4,4	Good	Good	WSDOT	Category 2	9	4	9		Grading within RLOD
Remove	31812	C222	Cercidiphyllum japonicum	Katsura tree	8.9	3,3,3,3,3,3,4	Good	Good	WSDOT	Category 2	9	4	9		Grading within RLOD
Remove	31813	C222	Acer platanoides	Norway maple	10.2		Good	Good	WSDOT	Category 2	7	4	11		Grading within RLOD
Protect	31814	C222	Acer platanoides	Norway maple	9.1		Good	Good	WSDOT	Category 2	6	4	10	Chainlink fence at RLOD	
Remove	31815	C222	Acer platanoides	Norway maple	9.0		Good	Good	WSDOT	Category 2	6	4	9		Grading within 3 feet of trunk.
Remove	31817	C222	Pseudotsuga menziesii	Douglas-fir	13.0		Good	Good	WSDOT	Category 2	9	5	13		Within excavation limits
Protect	31819	C222	Pseudotsuga menziesii	Douglas-fir	11.8		Good	Good	WSDOT	Category 2	8	5	12	Chainlink fence at RLOD	
Remove (dead)	31820	C222	Dead	Dead	10.0		Dead -	Dead	WSDOT	Dead snag	0	0	0		within excavation limits; dead
Remove	31821	C222	Pseudotsuga menziesii	Douglas-fir	9.2		Poor	Good	WSDOT	Category 2	6	4	10		Grading within 2 ft of tree; poor condition
Protect	31822	C222	Pseudotsuga menziesii	Douglas-fir	11.0		Fair	Good	WSDOT	Category 2	/	5	11	Chainlink fence at RLOD	
Protect	31823	C222	Pseudotsuga menziesii	Douglas-fir	11.0		Good	Good	WSDOT	Category 2	1	5	11	Chainlink fence at RLOD	Marit II
Remove	31824	C222	Pseudotsuga menziesii	Douglas-fir	9.0		Poor	Good	WSDOT	Category 2	6	4	9	01 - 11 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	Within excavation limits; poor condition
Protect	31825	C222	Pseudotsuga menziesii	Douglas-fir	10.7		Good	Good	WSDOT	Category 2	7	4	11	Chainlink fence at RLOD	MPRES AND APPEAR PARE
Remove	31826	C222	Pseudotsuga menziesii	Douglas-fir	10.4		Fair	Good	WSDOT	Category 2	1	4	11		Within excavation limits
Remove (dead)		C222	Dead Passidatoria manaissii	Dead Dead	8.0		Dead	Dead	WSDOT	Dead snag	0	0	11		within excavation limits; dead
Remove	31828	C222	Pseudotsuga menziesii	Douglas-fir	10.2		Good	Good	WSDOT	Category 2	7	4	11		grading 5 ft from tree
Remove (dead)		C222	Dead	Dead	8.0		Dead	Dead	WSDOT	Dead snag	0	4	10		within excavation limits; dead
Remove	31955 31956	C222	Acer platanoides Dead	Norway maple	9.2		Good Dead	Good	WSDOT WSDOT	Category 2	0	0	10		Within grading limits
Unimpacted	31950	C222		Dead removed	12.0		Good	Dead Good	WSDOT	Stump - Not Present	0		12	Chainlink fance at grading limits	
Protect Protect	31957	C222 C222	Pinus thunbergii Pinus thunbergii	Japanese black pine Japanese black pine	7.5		Good	Good	WSDOT	Category 2	<u>о</u> Б	ິ ວ	0	Chainlink fence at grading limits Chainlink fence at grading limits	
Protect	31961	C222	Pinus thunbergii Pinus thunbergii	Japanese black pine	9.3		Good	Good	WSDOT	Category 2	<u> </u>	<u>з</u>	10	Chainlink fence at grading limits Chainlink fence at grading limits	
Remove	31991	C222		Katsura tree	8.5	3,4,4,4,4	Good	Good	WSDOT	Category 2	0	4	0	Chairmink lence at grading limits	Grading within RLOD; species not tolerant
Remove	31991	C222	Cercidiphyllum japonicum Cercidiphyllum japonicum	Katsura tree	9.7	6,4,3,3,3,4	Good	Good	WSDOT	Category 2 Category 2	10	4 Л	10		Grading within RLOD; species not tolerant
Remove	31993	C222	Cercidiphyllum japonicum	Katsura tree	9.5	5,5,4,4,3	Fair	Good	WSDOT	Category 2	10	Δ	10		Grading within RLOD; species not tolerant
Remove	31994	C222	Cercidiphyllum japonicum	Katsura tree	11.5	4,4,4,5,5,5,3	Good	Good	WSDOT	Category 2	11	5	12		Grading within RLOD; species not tolerant
Remove	31995	C222	Cercidiphyllum japonicum	Katsura tree	10.3	5,5,5,4,4	Good	Good	WSDOT	Category 2	10	4	11		Grading within RLOD; species not tolerant
Remove	31996	C222	Cercidiphyllum japonicum	Katsura tree	9.2	5,5,4,3,3	Poor	Good	WSDOT	Category 2	9	4	10		Grading within RLOD; species not tolerant
Remove	31997	C222	Cercidiphyllum japonicum	Katsura tree	10.2	5,4,4,4,4,4	Fair	Good	WSDOT	Category 2	10	4	11		Grading within RLOD; species not tolerant
TOHIOVO	31771	OZZZ	ocroidipriyildiri japonicani	National IICC	10.2	יודובונוני	I uli	Good	WODUI	outogory 2	10	Т	1 1		Grading within NEOD, species not tolerant





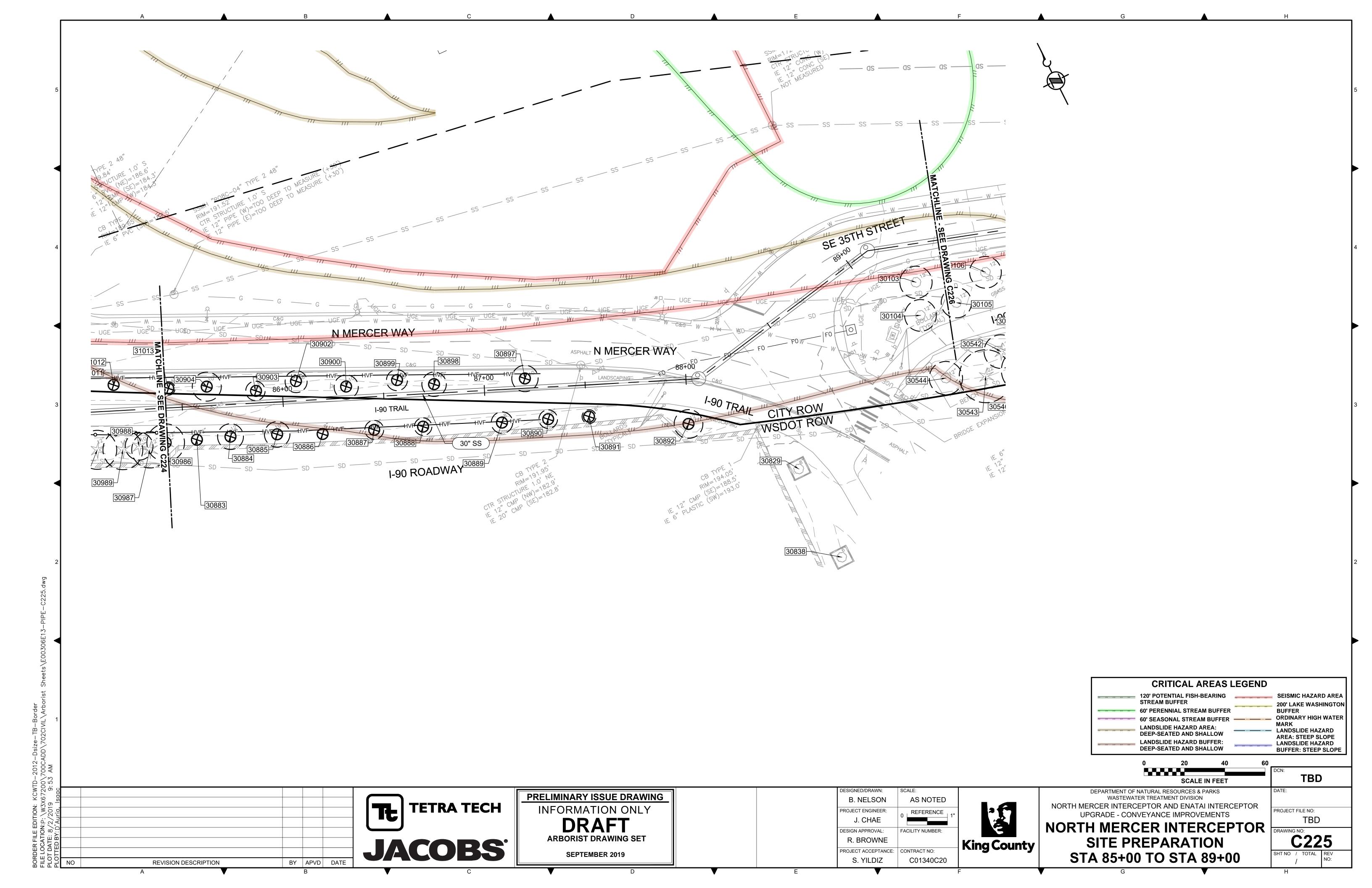
					Single Ster	n							Replacem	en	
					Equivalent		Health	Structural					ts require		
Proposed Action		Sheet	Scientific Name	Common Name	DSH (in)	Multiple Stem DSH (in)	Condition	Condition		n Designation*	RLOD (ft)	MLOD (ft)	(Qty)	Protection Notes	Removal Reason
Remove	31436	C223	Pinus thunbergii	Japanese black pine	12.0		Good	Good	WSDOT	Category 2	8	5	12		Within excavation limits
Remove Remove	31437 31438	C223 C223	Acer platanoides	Norway maple	9.8 11.7		Good Good	Good Good	WSDOT WSDOT	Category 2	<i>I</i> 0	4 	10 12		Within excavation limits Within grading limits
Remove	31439	C223	Acer platanoides Cercidiphyllum japonicum	Norway maple Katsura tree	9.2	3,3,3,4,4,5	Good	Good	WSDOT	Category 2 Category 2	0	<u> </u>	10		Within grading limits Grading within 5 ft of trunk
Remove	31440	C223	Cercidiphyllum japonicum	Katsura tree	8.7	5,4,4,3,3	Good	Good	WSDOT	Category 2	9	<u>4</u> Δ	9		Grading within 3 ft of trunk Grading within 2 ft of trunk
Protect	31441	C223	Cercidiphyllum japonicum	Katsura tree	10.5	6,4,4,4,3,3,3	Good	Good	WSDOT	Category 2	11	4	11	Chainlink fence at 2' beyond grading	Grading within 6 ft of trunk
Protect	31442	C223	Cercidiphyllum japonicum	Katsura tree	9.6	5,5,5,3,3	Good	Good	WSDOT	Category 2	10	4	10	Chainlink fence at 2' beyond grading	Grading within 6 ft of trunk
Protect	31443	C223	Myrica californica	California wax myrtle	4.6	2, 2, 3, 2	Good	Good	WSDOT	Category 2	3	2	5	Chainlink fence at RLOD	
Protect	31444	C223	Fraxinus latifolia	Oregon ash	8.8		Good	Good	WSDOT	Category 2	6	4	9	Chainlink fence at RLOD	
Protect	31445	C223	Cercidiphyllum japonicum	Katsura tree	8.1	4,4,5,3	Good	Good	WSDOT	Street Tree	8	3	1	Chainlink fence at RLOD	
Protect	31446	C223	Cercidiphyllum japonicum	Katsura tree	8.8	6,4,4,3	Good	Good	WSDOT	Street Tree	9	4	1	Chainlink fence at 2' beyond grading	Grading within 5 ft of trunk
Protect	31447	C223	Cercidiphyllum japonicum	Katsura tree	10.3	6,6,5,3	Good	Good	WSDOT	Street Tree	10	4	1	Chainlink fence at RLOD	
Protect	31448	C223	Cercidiphyllum japonicum	Katsura tree	12.1	6,6,5,5,4,3	Good	Good	WSDOT	Street Tree	12	5	1	Chainlink fence at 2' beyond grading	Grading within 8 ft of trunk
Protect	31449	C223	Cercidiphyllum japonicum	Katsura tree	11.2	5,5,5,4,4,3,3	Good	Good	WSDOT	Street Tree	11	5	1	Chainlink fence at grading limits	
Remove	31452	C223	Pseudotsuga menziesii	Douglas-fir	10.0		Good	Good	COMI	10"-24"	7	4	2		Within excavation limits
Remove	31453	C223	Pseudotsuga menziesii	Douglas-fir	11.7		Good	Good	COMI	10"-24"	8	5	2		Within excavation limits
Remove	31454	C223	Pseudotsuga menziesii	Douglas-fir	11.0		Good	Fair	COMI	10"-24"	1	5	2		Within excavation limits
Remove	31455	C223	Thuja plicata	Western redcedar	8.0		Good	Good	WSDOT	Street Tree	8	3	17		Within excavation limits
Remove	31456	C223	Pseudotsuga menziesii	Douglas-fir	16.6		Good	Good	WSDOT	Category 2	7	/	17		Excavation within 5 ft of tree
Remove	31624 31625	C223 C223	Acer platanoides	Norway maple Douglas-fir	11.2 13.0		Good Good	Poor Good	WSDOT WSDOT	Category 2	0	5 5	12 13		Within excavation limits Grading within 5 ft of trunk
Remove Remove	31626	C223	Pseudotsuga menziesii Pinus nigra	Austrian black pine	13.0		Fair	Good	WSDOT	Category 2 Category 2	λ δ	5 5	12		Within excavation limits
Remove	31627	C223	Pseudotsuga menziesii	Douglas-fir	10.4		Good	Good	WSDOT	Category 2 Category 2	7	Δ	11		Grading within 4 ft of trunk
Remove	31628	C223	Pseudotsuga menziesii	Douglas-fir	12.2		Good	Good	WSDOT	Category 2	8	5	13		Grading within 4 ft of trunk Grading within 6 ft of trunk
Remove	31629	C223	Pinus nigra	Austrian black pine	12.8		Good	Fair	WSDOT	Category 2	9	5	13		Grading within 4 ft of trunk
Protect	31630	C223	Pseudotsuga menziesii	Douglas-fir	8.0		Good	Good	WSDOT	Category 2	5	3	8	Chainlink fence at RLOD	Crading Within 11 or train.
Remove	31631	C223	Acer platanoides	Norway maple	11.2		Good	Fair	WSDOT	Category 2	7	5	12	5. a. m. m. 15.166 at 11.265	Grading within 3 ft of trunk
Remove	31632	C223	Pseudotsuga menziesii	Douglas-fir	10.5		Poor	Poor	WSDOT	Category 2	7	4	11		Within work limits; poor condition
Remove	31633	C223	Pinus thunbergii	Japanese black pine	9.8		Good	Good	WSDOT	Category 2	7	4	10		Grading within 3 ft of trunk
Protect	31634	C223	Pseudotsuga menziesii	Douglas-fir	10.1		Good	Good	WSDOT	Category 2	7	4	11	TBD	<u> </u>
Remove	31635	C223	Pinus thunbergii	Japanese black pine	8.5		Good	Good	WSDOT	Category 2	6	4	9		Grading within 3 ft of trunk
Protect	31636	C223	Pseudotsuga menziesii	Douglas-fir	13.5		Good	Good	WSDOT	Category 2	9	6	14	Chainlink fence at RLOD	
Unimpacted	31637	C223	Pseudotsuga menziesii	Douglas-fir	3.0		Good	Good	WSDOT	Category 3	0	0	n/a		
Remove	31638	C223	Pseudotsuga menziesii	Douglas-fir	3.0		Good	Good	WSDOT	Category 3	0	0	n/a		Grading within 2 ft of trunk
Protect	31639	C223	Acer platanoides	Norway maple	13.0		Good	Good	WSDOT	Category 2	9	5	13	Chainlink fence at RLOD	
Remove	31640	C223	Acer platanoides	Norway maple	14.0		Good	Good	WSDOT	Category 2	9	6	14		Within excavation limits
Remove	31641	C223	Acer platanoides	Norway maple	11.0		Good	Good	WSDOT	Category 2	7	5	11		Grading within 2 ft of trunk
Remove	31642	C223	Cercidiphyllum japonicum	Katsura tree	9.2	5,5,5,3	Good	Good	WSDOT	Category 2	<u> </u>	1	10	Chainlink forming E ft radius around trop	Within excavation limits
Protect	31643 31644	C223 C223	Pseudotsuga menziesii	Douglas-fir	3.0	4,4,4,4,3,3,3,3	Good	Good Good	WSDOT WSDOT	Category 3	10	<u> </u>	n/a 10	Chainlink fencing 5 ft radius around tree	Grading within 2 ft of trunk
Remove Remove	31645	C223	Cercidiphyllum japonicum Pseudotsuga menziesii	Katsura tree Douglas-fir	13.5	4,4,4,4,3,3,3,3	Good Good	Good	WSDOT	Category 2 Category 2	0	4	14		Grading within 2 it of trunk Grading within 4 ft of trunk
Remove	31646	C223	Acer platanoides	Norway maple	13.0		Good	Good	WSDOT	Category 2	, 7 Q	5	13		Grading within 4 ft of trunk Grading within 2 ft of trunk
Remove	31647	C223	Pseudotsuga menziesii	Douglas-fir	10.7		Good	Good	WSDOT	Category 2	7	<u> </u>	11		Grading within 5 ft of trunk
Remove	31648	C223	Pseudotsuga menziesii	Douglas-fir	9.3		Good	Good	WSDOT	Category 2	6	4	10		Grading within 2 ft of trunk
Remove	31650	C223	Pinus thunbergii	Japanese black pine	12.6		Good	Good	WSDOT	Category 2	8	5	13		Within excavation limits
Protect	31652	C223	Pyrus calleryana	Callery pear	6.8		Good	Good	WSDOT	Category 2	5	3	7	Chainlink fence at RLOD	
Protect	31653	C223	Acer platanoides	Norway maple	11.2		Good	Good	WSDOT	Category 2	7	5	12	Chainlink fence at RLOD	
Protect	31654	C223	Acer platanoides	Norway maple	10.4		Good	Good	WSDOT	Category 2	7	4	11	Chainlink fence at RLOD	
Protect	31655	C223	Cercidiphyllum japonicum	Katsura tree	11.1	6,6,6,4	Good	Good	WSDOT	Category 2	11	5	12	Chainlink fence at RLOD	
Remove	31656	C223	Acer platanoides	Norway maple	13.0		Good	Good	WSDOT	Category 2	9	5	13		Grading within 5 ft of trunk
Protect	31657	C223	Pinus thunbergii	Japanese black pine	8.0		Good	Good	WSDOT	Category 2	5	3	8	Chainlink fence at RLOD	
Protect	31658	C223	Pseudotsuga menziesii	Douglas-fir	12.2		Good	Good	WSDOT	Category 2	8	5	13	Chainlink fence at RLOD	
Protect	31659	C223	Pseudotsuga menziesii	Douglas-fir	12.1		Good	Good	WSDOT	Category 2	8	5	13	Chainlink fence at RLOD	
Remove	31660	C223	Pinus thunbergii	Japanese black pine	12.1		Fair	Fair	WSDOT	Category 2	8	5	13		Grading within 3 ft of trunk
Remove	31661	C223	Pseudotsuga menziesii	Douglas-fir	14.0	/ 0	Good	Good	WSDOT	Category 2	9	6	14	Oh sisikalı faransı DLOD	Grading within 4 ft of trunk
Protect	31662	C223	Cercidiphyllum japonicum	Katsura tree	10.0	6, 8	Fair	Good	WSDOT	Category 2	10	4	10	Chainlink fence at RLOD	Crading within 2 ft of twent
Remove	31663 31664	C223	Pseudotsuga menziesii	Douglas-fir	13.1		Good	Good	WSDOT	Category 2	<u> </u>	CC	14	Chainlink fence at RLOD	Grading within 2 ft of trunk
Protect Protect	31665	C223 C223	Pseudotsuga menziesii Pseudotsuga menziesii	Douglas-fir Douglas-fir	9.2 12.2		Good Good	Good Good	WSDOT WSDOT	Category 2 Category 2	Ω	4 5	10	Chainlink fence at RLOD Chainlink fence at RLOD	
Remove	31666	C223	Pseudotsuga menziesii	Douglas-fir	14.4		Good	Good	WSDOT	Category 2	10	6	15	CHAIHIIIK ICHCE AL NEOD	Grading within 5 ft of trunk
Remove	31667	C223	Pseudotsuga menziesii	Douglas-fir	9.2		Good	Good	WSDOT	Category 2	6	4	10		Grading within 2 ft of trunk
Protect	31668	C223	Pseudotsuga menziesii	Douglas-fir	6.0		Good	Good	WSDOT	Category 2	<u> </u>	3	6	Chainlink fence at RLOD	Stading within 2 it of trains
Protect	31669	C223	Pseudotsuga menziesii	Douglas-fir	7.0		Good	Good	WSDOT	Category 2	5	3	7	Chainlink fence at RLOD	
Protect	31670	C223	Fraxinus latifolia	Oregon ash	5.0		Fair	Good	COMI	<6"	3	2	0	Chainlink fence at RLOD	
Remove	31671	C223	Fraxinus latifolia	Oregon ash	9.0		Fair	Good	WSDOT	Category 2	6	4	9		Within grading limits
Protect	31672	C223	Pseudotsuga menziesii	Douglas-fir	11.7		Good	Good	WSDOT	Category 2	8	5	12	Chainlink fence at RLOD	
Protect	31673	C223	Cercidiphyllum japonicum	Katsura tree	12.8	5,5,5,6,6,3,3	Good	Good	WSDOT	Category 2	13	5	13	Chainlink fencing at limits of grading	regrading 6 ft from trunk
Remove	31674	C223	Cercidiphyllum japonicum	Katsura tree	10.7	6,6,3,3,3,4	Good	Good	WSDOT	Category 2	11	4	11		Grading within 2 ft of trunk





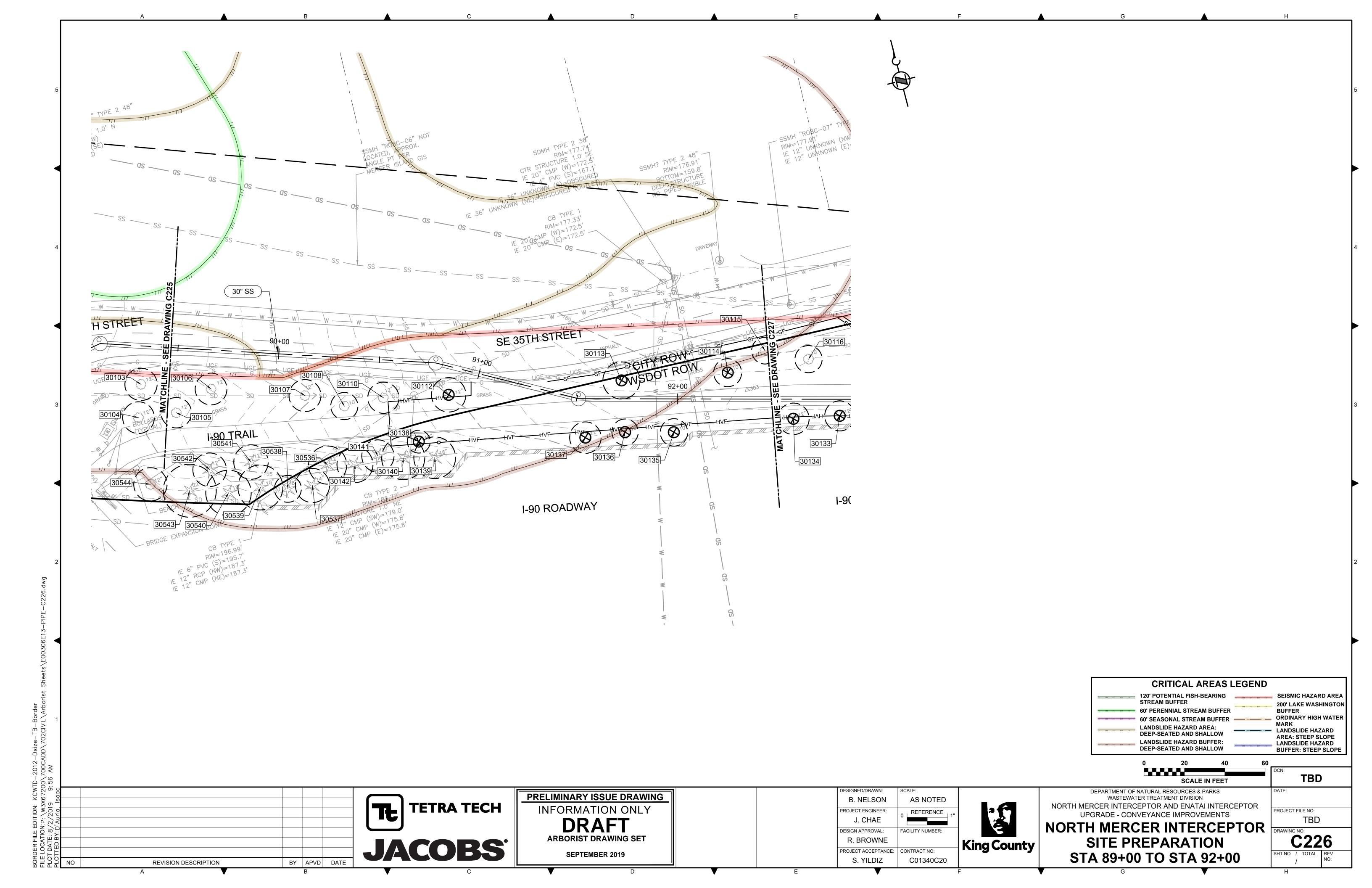
					Single Sten	n							Replacemen	
					Equivalent		Health	Structural					ts required	
Proposed Action		Sheet	Scientific Name	Common Name	DSH (in)	Multiple Stem DSH (in)	Condition	Condition		on Designation*	RLOD (ft)	MLOD (ft)	(Qty) Protection Notes	Removal Reason
Remove	24317	C224	Cercidiphyllum japonicum	Katsura tree	5.2	3.8, 3, 2	Poor	Good	WSDOT	Street Tree	5	2	1	Within excavation limits
Remove	30986	C224	Pseudotsuga menziesii	Douglas-fir	14.0		Good	Good	WSDOT	Street Tree	9	6		Grading within 5 ft of trunk
Protect	30987	C224	Pseudotsuga menziesii	Douglas-fir	13.5		Good	Good	WSDOT	Street Tree	9	6	1 Chainlink fence at grading limits	
Protect	30988	C224	Pseudotsuga menziesii	Douglas-fir	10.3		Good	Good	WSDOT	Street Tree	1	4	1 Chainlink fence at grading limits	
Protect	30989	C224	Pseudotsuga menziesii	Douglas-fir	14.8		Good	Good	WSDOT	Street Tree	10	6	1 Chainlink fence at grading limits	
Protect	30990	C224	Pseudotsuga menziesii	Douglas-fir	14.5	4.4.2	Good	Good	WSDOT	Street Tree	10	6	1 Chainlink fence at grading limits	O 111
Remove	30991	C224	Cercidiphyllum japonicum	Katsura tree	6.4	4, 4, 3	Good	Good	WSDOT	Street Tree	6	3	1	Grading within 2 ft of trunk
Remove	30992	C224	Cercidiphyllum japonicum	Katsura tree	5.7	4, 4	Fair	Good	WSDOT	Street Tree	<u> </u>	2	1 Obelaliali farasa et DLOD	Grading within 6 ft of trunk
Protect	30993	C224	Cercidiphyllum japonicum	Katsura tree	5.1	3, 3, 2, 2	Good	Good	WSDOT	Street Tree	5		1 Chainlink fence at RLOD	For example and the state of
Remove	30994	C224	Acer platanoides	Norway maple	12.5	2.2.2	Good	Good	WSDOT	Street Tree	8	5	1	Excavation within 1 ft of tree
Remove	30995	C224	Cercidiphyllum japonicum	Katsura tree	4.7	2, 3, 3	Poor	Good	WSDOT	Street Tree	5	2	1	Excavation within 4 ft of tree; poor condition
Unimpacted	30996	C224	Myrica californica	California wax myrtle	3.8	1.5, 1.5, 2, 2, 1.5	Good	Good	WSDOT	Category 3	3		1	na nana dia na 7 ft farana hara
Remove	30997	C224	Pseudotsuga menziesii	Douglas-fir	13.9		Good	Good	WSDOT	Street Tree	9	b	1	regrading 7 ft from tree
Remove	30998	C224	Pseudotsuga menziesii	Douglas-fir	10.8		Good	Good	WSDOT	Street Tree	/	5	1	Grading within 2 ft of trunk
Remove	30999	C224	Pseudotsuga menziesii	Douglas-fir	10.5		Good	Fair	WSDOT	Street Tree	/	4	1	Excavation within MLOD
Remove	31000	C224	Acer platanoides	Norway maple	11.1	/ / 5.5.5	Good	Good	WSDOT	Street Tree	12	5	1	Within grading limits
Remove	31003	C224	Cercidiphyllum japonicum	Katsura tree	12.1	6,6,5,5,5	Good	Good	WSDOT	Street Tree	IZ	5	1	Excavation within 1 ft of tree
Remove	31004	C224	Cercidiphyllum japonicum	Katsura tree	10.4	6,6,6	Good	Good	COMI	10"-24"	10	4	<u>Z</u>	Grading within 6 ft of trunk
Remove	31005	C224	Cercidiphyllum japonicum	Katsura tree	11.0	6,5,5,6	Good	Good	WSDOT	Street Tree		5	1	Within grading limits
Remove	31006	C224	Acer platanoides	Norway maple	10.0		Good	Good	WSDOT	Street Tree	10	4	1	Grading within 4 ft of trunk
Remove	31007	C224	Cercidiphyllum japonicum	Katsura tree	9.9	5,5,4,4,4	Good	Good	WSDOT	Street Tree	10	4	1	Grading within 1 ft of trunk
Remove	31009	C224	Fraxinus latifolia	Oregon ash	6.0		Fair	Good	WSDOT	Street Tree	4 	3	<u> </u>	Grading within 1 ft of trunk
Remove	31011	C224	Fraxinus latifolia	Oregon ash	7.2		Good	Good	WSDOT	Street Tree	5	3	1	Within grading limits
Remove	31012	C224	Fraxinus latifolia	Oregon ash	5.6 10.1		Fair	Good	COMI	<6" 10"-24"	7		0	Within grading limits
Remove	31097	C224	Acer platanoides	Norway maple			Good	Good	COMI	6" - 10"		4		Within excavation limits Within excavation limits
Remove	31098 31099	C224	Acer platanoides	Norway maple	8.5	4 2 5	Good	Good	WSDOT		0	2	1	
Remove	31100	C224	Cercidiphyllum japonicum	Katsura tree	8.4	6,3,5 5,5,4	Good Good	Good	WSDOT	Street Tree	0	ა ე		Within excavation limits Within excavation limits
Remove		C224	Cercidiphyllum japonicum	Katsura tree				Good	WSDOT	Street Tree	0	ა ე	1	
Remove	31101 31102	C224	Cercidiphyllum japonicum	Katsura tree	8.1	5,4,4,3	Good	Good	WSDOT	Street Tree	0	ა ე	1	Within excavation limits
Remove	31102	C224 C224	Cercidiphyllum japonicum	Katsura tree	7.7 9.8	5,4,3,3 6,6,5	Good	Good	WSDOT	Street Tree Street Tree	0 10	<u>ح</u> ۸	1	Within excavation limits Within excavation limits
Remove	31103	C224	Cercidiphyllum japonicum	Katsura tree	9.0		Good	Good Good	WSDOT		10	4	1	
Remove	31104	C224 C224	Cercidiphyllum japonicum	Katsura tree Katsura tree	9.1	5,4,4,4,3 6,5,5,3	Good Good	Good	WSDOT	Street Tree Street Tree	10	4 /	1	Within grading limits Within grading limits
Remove	31105		Cercidiphyllum japonicum						WSDOT	Street Tree	10	'1	1	Within grading limits
Remove	31106	C224 C224	Cercidiphyllum japonicum Pseudotsuga menziesii	Katsura tree	10.3 12.5	6,6,5,3	Good Good	Good Good	WSDOT	Street Tree	0	4 5	1	Within grading limits Grading within 4 ft of trunk
Remove	31419	C224		Douglas-fir	12.5		Fair	Fair	WSDOT	Street Tree	O Q	ე ნ	1	Grading within 1 ft of trunk
Remove (doad)	31420	C224 C224	Pseudotsuga menziesii Dead	Douglas-fir Dead	5.0	4, 3		Dead	WSDOT		0	0	0	Dead: within 5 feet of work limits
Remove (dead)	31421				13.5	4 , 3	Dead	Fair	WSDOT	Dead snag Street Tree	0	6	1	
Remove	31422	C224 C224	Pseudotsuga menziesii	Douglas-fir	10.9		Poor Good	Good	WSDOT	Street Tree	7	5	1	Within grading limits Grading within 3 ft of trunk
Remove	31423	C224	Pseudotsuga menziesii	Douglas-fir			Good	Good	WSDOT	Street Tree	<i>I</i>	6	1	Grading within 2 ft of trunk
Remove	31424	C224	Pseudotsuga menziesii	Douglas-fir	13.8 11.1		Good	Good	WSDOT	Street Tree	7	5	1	Grading within 1 ft of trunk
Remove	31425	C224	Acer platanoides	Norway maple	12.4		Good	Good	WSDOT	Street Tree	/ Q	ე ნ	1	Grading within 1 ft of trunk
Remove	31426	C224	Acer platanoides	Norway maple	12.4		Good	Good	WSDOT		0	5	1	Within excavation limits
Remove	31427	C224	Pseudotsuga menziesii	Douglas-fir		11112			WSDOT	Street Tree	9	J	1 Chainlink fonce at grading limits	Excavation within 7 ft of trunk
Protect			Cercidiphyllum japonicum	Katsura tree	9.1	4,4,4,4,3,3	Good	Good		Street Tree	У	2	1 Chainlink fence at grading limits Chainlink fencing 6 ft from tree	EXCAVATION WITHIN / IT OF TRUIN
Protect	31451	C224	Cercidiphyllum japonicum	Katsura tree	5.2	3,3,3	Good	Good	WSDOT	Street Tree	ე	۷	1 Chainlink fencing 6 ft from tree	





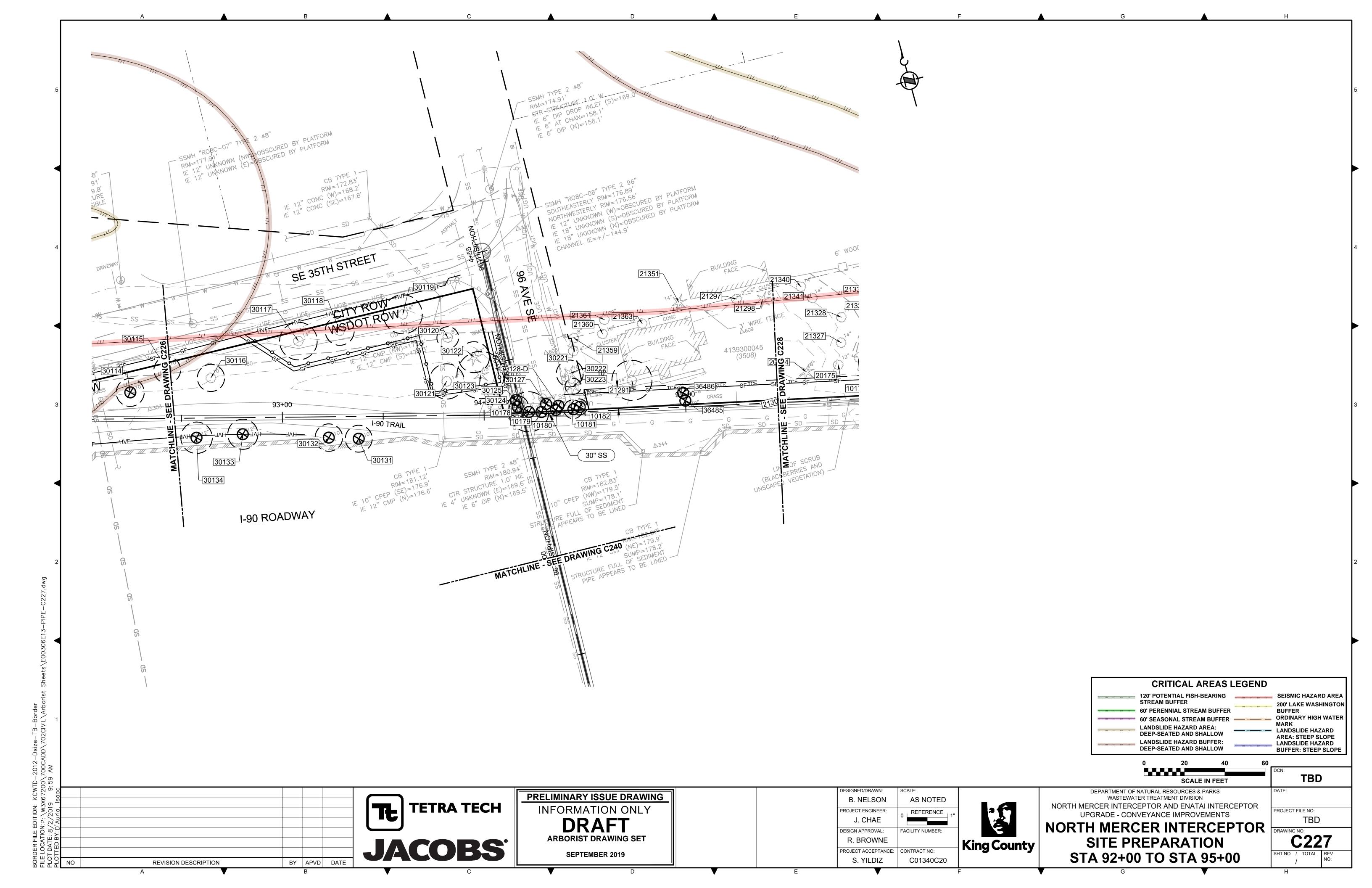
					Circula Ctarr								Denlesson		
					Single Stem Equivalent		Health	Structural					Replacements required		
Proposed Action	on Tree ID	Sheet	Scientific Name	Common Name	DSH (in)	Multiple Stem DSH (in)	Condition	Condition	lurisdiction	n Designation*	RLOD (ft)	MLOD (ft)	(Qty)	Protection Notes	Removal Reason
Protect	30103	C225	Acer platanoides	Norway maple	12.0	Maniple Stell DSH (III)	Good	Good	COMI	10"-24"	8	5	2	Chainlink fence at RLOD	Removal Reason
Protect	30104	C225	Acer platanoides	Norway maple	11.8		Good	Good	COMI	10"-24"	8	5	2	Chainlink fence at RLOD	
Protect	30544	C225	Acer platanoides	Norway maple	12.4		Good	Good	COMI	Exceptional - Grove	8	5	6	Chainlink fencing at edge of asphalt	
Remove	30883	C225	Cercidiphyllum japonicum	Katsura tree	6.6	3, 3, 5	Fair	Good	WSDOT	Street Tree	7	3	1	3 3 1	Grading within 5 ft of trunk
Remove	30884	C225	Cercidiphyllum japonicum	Katsura tree	6.4	5, 4	Fair	Good	WSDOT	Street Tree	6	3	1		Grading within 4 ft of trunk
Remove	30885	C225	Acer platanoides	Norway maple	9.5		Good	Good	WSDOT	Street Tree	6	4	1		Grading within 1 ft of trunk
Remove	30886	C225	Acer platanoides	Norway maple	6.6		Good	Good	WSDOT	Street Tree	4	3	1		Grading within 1 ft of trunk
Remove	30887	C225	Acer platanoides	Norway maple	7.0		Good	Good	WSDOT	Street Tree	5	3	1		Grading within 1 ft of trunk
Remove	30888	C225	Acer platanoides	Norway maple	6.5		Good	Good	WSDOT	Street Tree	4	3	1		Grading within 1 ft of trunk
Remove	30889	C225	Acer platanoides	Norway maple	8.0		Good	Good	WSDOT	Street Tree	5	3	1		Within excavation limits
Remove	30890	C225	Acer platanoides	Norway maple	6.9		Good	Good	WSDOT	Street Tree	5	3	1		Within excavation limits
Remove	30891	C225	Acer platanoides	Norway maple	5.2		Good	Good	WSDOT	Street Tree	3	2	1		Within excavation limits
Remove	30892	C225	Acer platanoides	Norway maple	10.7		Good	Good	WSDOT	Street Tree	7	4	1		Grading within 1 ft of trunk
Remove	30897	C225	Acer platanoides	Norway maple	9.8		Good	Good	COMI	6" - 10"	7	4	1		Within excavation limits
Remove	30898	C225	Acer platanoides	Norway maple	9.1		Good	Good	COMI	6" - 10"	6	4	1		Within excavation limits
Remove	30899	C225	Acer platanoides	Norway maple	7.8		Good	Good	COMI	6" - 10"	5	3	1		Within excavation limits
Remove	30900	C225	Acer platanoides	Norway maple	9.0		Good	Good	COMI	6" - 10"	6	4	1		Within excavation limits
Remove	30902	C225	Acer platanoides	Norway maple	8.2		Good	Good	COMI	6" - 10"	5	3	1		Grading within 1 ft of trunk
Remove	30903	C225	Acer platanoides	Norway maple	7.2		Good	Good	COMI	6" - 10"	5	3	1		Within excavation limits
Remove	30904	C225	Acer platanoides	Norway maple	10.8		Good	Good	COMI	10"-24"	7	5	2		Within excavation limits
Remove	31013	C225	Fraxinus latifolia	Oregon ash	5.0		Fair	Good	COMI	<6"	3	2	0		Within grading limits





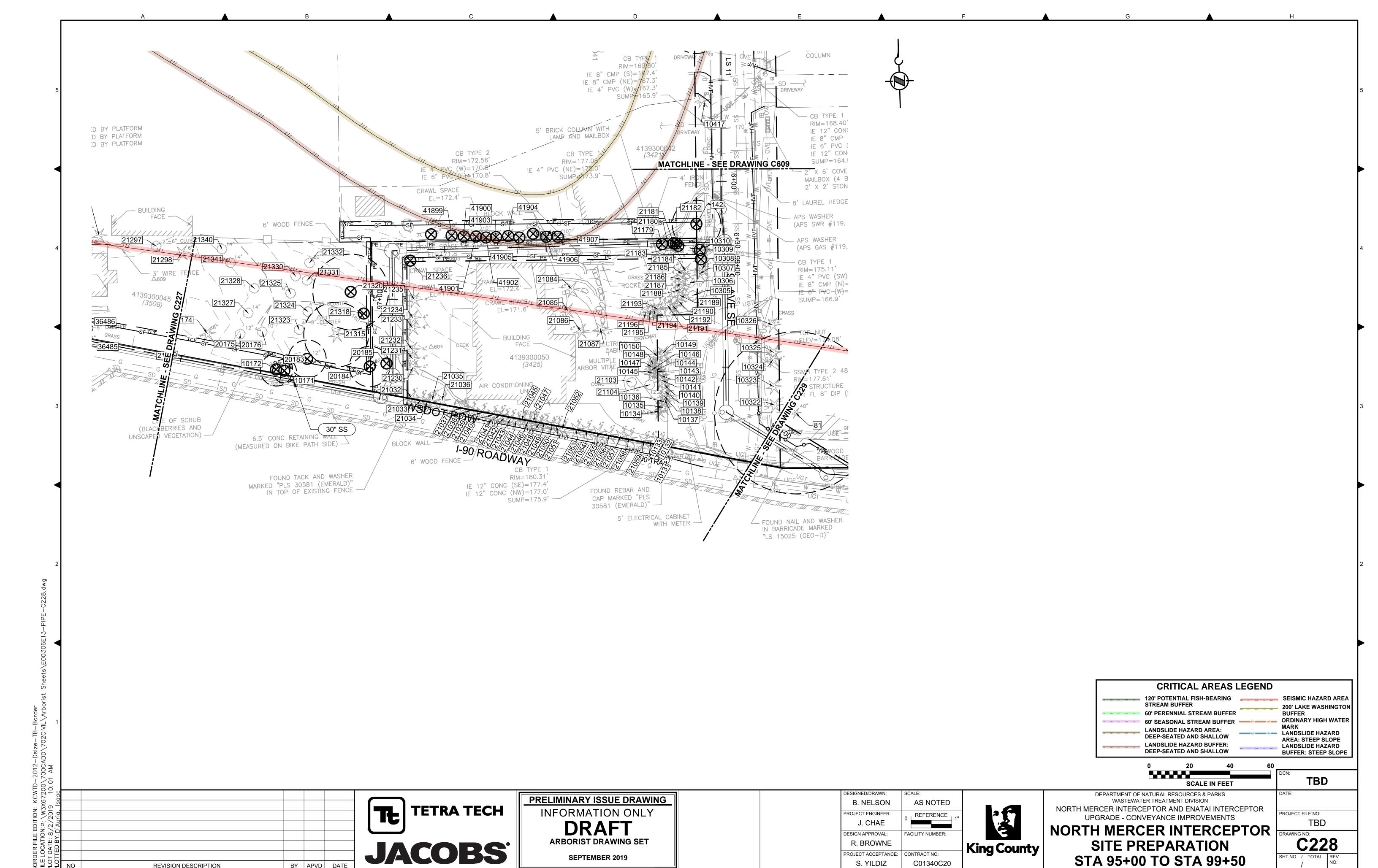
					Single Stem								Replacemer	1	
					Equivalent		Health	Structural			(T)		ts required		
Proposed Action		Sheet	Scientific Name	Common Name	DSH (in)	Multiple Stem DSH (in)	Condition	Condition		Designation*	RLOD (ft)	MLOD (ft)	(Qty)	Protection Notes	Removal Reason
Unimpacted	30105	C226	Acer platanoides	Norway maple	11.3		Good	Good	COMI	10"-24"	8	5	2		
Unimpacted	30106	C226	Acer platanoides	Norway maple	11.8		Good	Good	COMI	10"-24"	8	5	2		
Unimpacted	30107	C226	Acer platanoides	Norway maple	11.9		Good	Good	COMI	10"-24"	8	5	2		
Unimpacted	30108	C226	Acer platanoides	Norway maple	10.1		Good	Good	COMI	10"-24"	7	4	2		
Protect	30110	C226	Acer platanoides	Norway maple	11.6		Good	Good	COMI	10"-24"	8	5	2	Chainlink fence at RLOD	
Remove	30112	C226	Acer platanoides	Norway maple	12.8		Good	Good	COMI	10"-24"	9	5	2		Grading within 2 ft of trunk
Remove	30113	C226	Acer platanoides	Norway maple	13.8		Good	Good	WSDOT	Street Tree	9	6	1		Grading within 2 ft of trunk
Remove	30114	C226	Acer saccharinum	Silver maple	10.4		Good	Good	WSDOT	Street Tree	7	4	1		Grading within 2 ft of trunk
Remove	30135	C226	Acer platanoides	Norway maple	10.2		Good	Good	WSDOT	Street Tree	7	4	1		Grading within 4 ft of trunk
Remove	30136	C226	Acer platanoides	Norway maple	9.8		Good	Good	WSDOT	Street Tree	7	4	1		Grading within 2 ft of trunk
Remove	30137	C226	Acer platanoides	Norway maple	11.7		Good	Good	WSDOT	Street Tree	8	5	1		Grading within 4 ft of trunk
Remove	30138	C226	Acer platanoides	Norway maple	8.5		Good	Good	WSDOT	Street Tree	6	4	1		Within grading limits
Protect	30139	C226	Pinus thunbergii	Japanese black pine	15.5		Fair	Fair	WSDOT	Street Tree	10	6	1	Chainlink fence 2' from grading	Grading within 7 ft of trunk
Protect	30140	C226	Pinus thunbergii	Japanese black pine	16.0		Good	Good	WSDOT	Street Tree	11	7	1	Chainlink fence 2' from grading	Within grading limits
Protect	30141	C226	Pinus thunbergii	Japanese black pine	12.0		Fair	Fair	WSDOT	Street Tree	8	5	1	Chainlink fence 2' from grading	Within grading limits
Protect	30142	C226	Pinus thunbergii	Japanese black pine	13.4		Good	Fair	WSDOT	Street Tree	9	6	1	Chainlink fence at RLOD	
Unimpacted	30536	C226	Pinus thunbergii	Japanese black pine	14.2		Good	Fair	WSDOT	Street Tree	9	6	1		
Unimpacted	30537	C226	Pinus thunbergii	Japanese black pine	12.7		Fair	Fair	WSDOT	Street Tree	8	5	1		
Unimpacted	30538	C226	Pinus thunbergii	Japanese black pine	10.0		Fair	Good	WSDOT	Street Tree	7	4	1		
Unimpacted	30539	C226	Pinus thunbergii	Japanese black pine	16.7		Good	Fair	COMI	Exceptional - Grove	11	7	6		
Unimpacted	30540	C226	Pinus thunbergii	Japanese black pine	16.9		Good	Fair	COMI	Exceptional - Grove	11	7	6		
Unimpacted	30541	C226	Pinus thunbergii	Japanese black pine	12.8		Good	Good	COMI	Exceptional - Grove	9	5	6		
Unimpacted	30542	C226	Pinus thunbergii	Japanese black pine	12.5		Good	Fair	COMI	Exceptional - Grove	8	5	6		
Unimpacted	30543	C226	Pinus thunbergii	Japanese black pine	19.7		Good	Fair	COMI	Exceptional - Grove	13	8	6		





					Single Sten	1							Replaceme	n	
Duamanad Antion	Tuo ID	Chast	Caiantifia Nama	Camanan Nama	Equivalent	Multiple Ctops DCII (in)	Health	Structural	المنام المالية	- Decimation*	DI OD (#)	MI OD (tr)	ts required	Dustantian Malan	Democral Decomp
Proposed Action		Sheet	Scientific Name	Common Name	DSH (in)	Multiple Stem DSH (in)	Condition	Condition		n Designation*	RLOD (ft)	MLOD (ft)	(Qty)	Protection Notes	Removal Reason
Remove	10178	C227	Robinia pseudoacacia	Black locust	14.9	7.5, 9, 9.2	Good	Good	COMI	10"-24"	10	6	2		Within excavation limits
Remove	10179	C227	Acer macrophyllum	Bigleaf maple	3.0		Good	Good	COMI	<6"	0	0	0		Within excavation limits
Remove	10180	C227	Arbutus menziesii	Pacific madrone	3.0		Good	Good	COMI	<6"	2	1	0		Within excavation limits
Remove	10181	C227	Robinia pseudoacacia	Black locust	7.0		Good	Good	COMI	6" - 10"	5	3	1		Within excavation limits
Remove	10182	C227	Robinia pseudoacacia	Black locust	6.0		Good	Good	COMI	6" - 10"	4	3	1		Within excavation limits
Protect	21291	C227	Fraxinus sp	Ash	14.9		Good	Fair	PRIVATE	Large (Regulated) tree >10"	10	6	2	Chainlink fence outside of MLOD	
Protect	30115	C227	Acer saccharinum	Silver maple	9.9		Good	Good	WSDOT	Street Tree	7	4	1	Chainlink fence at RLOD	
Protect	30116	C227	Acer saccharinum	Silver maple	10.1		Good	Good	WSDOT	Street Tree	7	4	1	Chainlink fence at RLOD	
Protect	30117	C227	Acer platanoides	Norway maple	14.0		Good	Good	WSDOT	Street Tree	9	6	1	Chainlink fencing/construction fencing beyond RLOD	
Protect	30118	C227	Acer platanoides	Norway maple	10.8		Good	Good	WSDOT	Street Tree	7	5	1	Chainlink fencing/construction fencing beyond RLOD	
Protect	30119	C227	Acer platanoides	Norway maple	14.5		Good	Good	WSDOT	Street Tree	10	6	1	Chainlink fencing/construction fencing beyond RLOD	
Protect	30120	C227	Fraxinus latifolia	Oregon ash	8.1		Good	Good	WSDOT	Category 2	5	3	9	Chainlink fencing/construction fencing beyond RLOD	
Protect	30121	C227	Acer platanoides	Norway maple	13.1		Good	Good	WSDOT	Category 2	9	5	14	Chainlink fencing/construction fencing beyond RLOD	
Protect	30122	C227	Acer platanoides	Norway maple	11.5		Good	Good	COMI	10"-24"	8	5	2	Chainlink fencing/construction fencing beyond RLOD	
Protect	30123	C227	Acer platanoides	Norway maple	17.6		Good	Good	COMI	10"-24"	12	7	2	Chainlink fence at MLOD along 96th Ave SE	
Remove	30124	C227	Fraxinus latifolia	Oregon ash	7.8		Good	Good	COMI	6" - 10"	5	3	1		Within excavation limits
Remove	30125	C227	Robinia pseudoacacia	Black locust	7.4		Good	Good	COMI	6" - 10"	5	3	1		Within excavation limits
Remove	30127	C227	Alnus rubra	Red alder	15.1	7.5, 9.6, 9	Fair	Fair	COMI	10"-24"	15	6	2		Within excavation limits
Remove (dead)	30128	C227	Dead	Dead Madrone	10.3		Dead	Dead	COMI	Dead snag	0	0	0		Within excavation limits
Remove	30131	C227	Acer platanoides	Norway maple	10.0		Good	Good	WSDOT	Category 2	7	4	10		Grading within 1 ft of trunk
Remove	30132	C227	Acer platanoides	Norway maple	10.2		Good	Good	WSDOT	Category 2	7	4	11		Grading within 1 ft of trunk
Remove	30133	C227	Acer platanoides	Norway maple	11.2		Good	Good	WSDOT	Category 2	7	5	12		Grading within 1 ft of trunk
Remove	30134	C227	Acer platanoides	Norway maple	11.7		Good	Good	WSDOT	Category 2	8	5	12		Grading within 1 ft of trunk
Protect	30222	C227	Picea glauca	White spruce	10.0		Fair	Good	PRIVATE	Large (Regulated) tree >10"	7	4	2	Chainlink fencing at edge of asphalt or RLOD	
Protect	30223	C227	Pseudotsuga menziesii	Douglas-fir	6.0		Good	Good	PRIVATE	<10"	4	3	0	Chainlink fencing at edge of asphalt or RLOD	
Remove	36485	C227	Prunus sp	Cherry	14.2	12,4,4,5	Good	Fair	PRIVATE	Large (Regulated) tree >10"	9	6	2	y y 1	Within excavation limits
Remove	36486	C227	Prunus sp	Cherry	15.8	5,6,4,8,10,3	Good	Fair	PRIVATE	Large (Regulated) tree >10"	11	7	2		Excavation 1 ft from trunk





BY APVD DATE

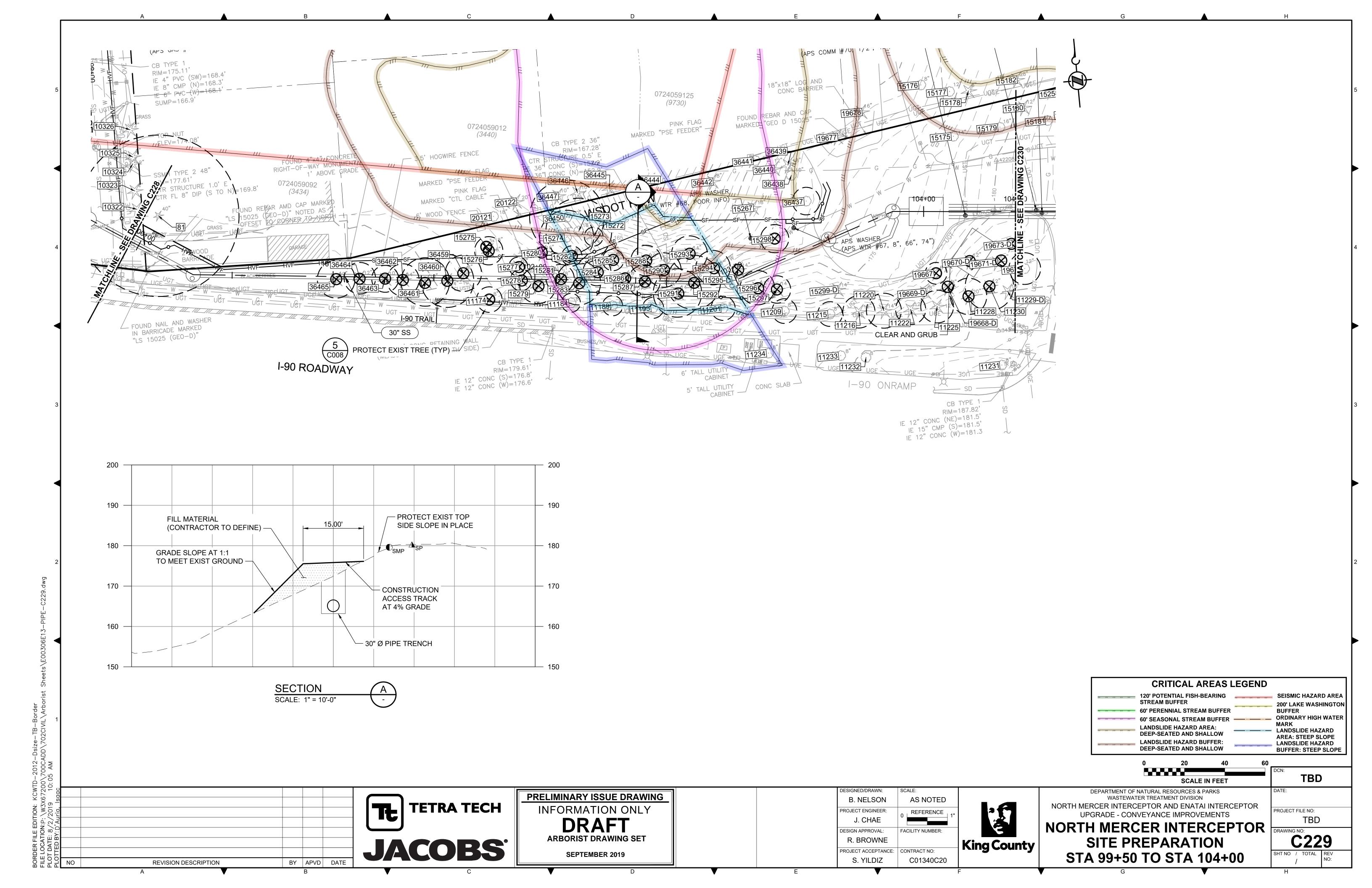
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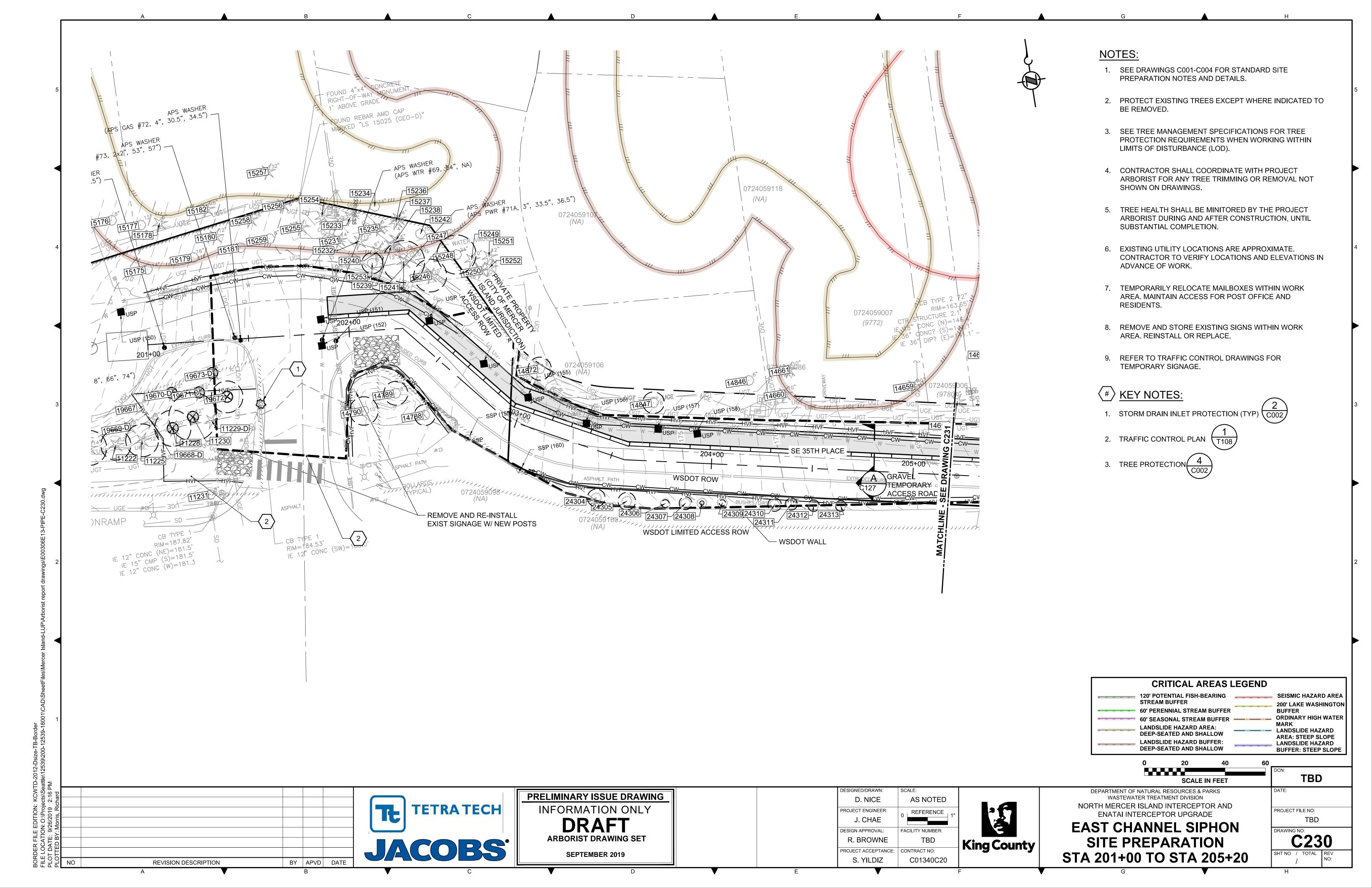
					Single Ste	n							Replacemen	
					Equivalent		Health	Structural					ts required	
Proposed Action		Sheet	Scientific Name	Common Name	DSH (in)	Multiple Stem DSH (in)	Condition	Condition		1 Designation*	RLOD (ft)	MLOD (ft)	(Qty) Protection Notes	Removal Reason
Remove	142 10132	C228 C228	Prunus serrulata NOT ASSESSED	Flowering cherry NO ACCESS	12.0 4.0		Good N/A	Good N/A	COMI PRIVATE	10"-24" <10"	12	<u>5</u>	2	Too close to excavation
Unimpacted Unimpacted	10132	C228	NOT ASSESSED	NO ACCESS	4.0		N/A	N/A	WSDOT	Category 2	0	0	4	
Remove	10171	C228	Arbutus menziesii	Pacific madrone	8.8		Good	Good	PRIVATE	Exceptional	6	4	6	Within excavation limits
Remove	10172	C228	Pseudotsuga menziesii	Douglas-fir	12.0		Good	Good	PRIVATE	Large (Regulated) tree >10"	8	5	2	Within excavation limits
Remove	10309	C228	Thuja occidentalis	Arborvitae (Not assessed	<6		N/A	N/A	COMI	<6"	0	0	0	Within grading limits
Remove	10310	C228	Thuja occidentalis	due to size) Arborvitae (Not assessed	<6		N/A	N/A	COMI	<6"	0	0	0	Within grading limits
D 1 1	00474	0000	D' '	due to size)	44.7				DDWATE	/D 10				
Protect Remove	20174 20183	C228 C228	Picea breweriana Acer macrophyllum	Brewer spruce Bigleaf maple	11.7 14.0		Fair Fair	Fair Good	PRIVATE PRIVATE	Large (Regulated) tree >10" Large (Regulated) tree >10"	8	5	2 Chainlink fence outside of MLOD	Excavation within 7 ft of trunk potential to save if
Remove	20103	C220	Acei macrophyllum	Digieal Maple	14.0		Ган	Guuu	PRIVATE	Large (Regulateu) free >10	9	U	Σ	property owner requests
Remove	20184	C228	Populus trichocarpa	Black cottonwood	10.0		Good	Fair	PRIVATE	Large (Regulated) tree >10"	10	4	2	Excavation within 5 ft of tree
Remove	20185	C228	Acer macrophyllum	Bigleaf maple	20.5	15,5,13	Poor	Poor	PRIVATE	Large (Regulated) tree >10"	14	9	2	Within excavation limits; poor condition
Unimpacted	21032	C228	NOT ASSESSED	NO ACCESS	4.0		N/A	N/A	WSDOT	Category 2	0	0	4	
Unimpacted	21033	C228	NOT ASSESSED	NO ACCESS	4.0		N/A	N/A	WSDOT	Category 2	0	0	4	
Unimpacted	21034	C228	NOT ASSESSED	NO ACCESS	4.0		N/A	N/A	WSDOT	Category 2	0	0	4	
Unimpacted	21035 21036	C228 C228	NOT ASSESSED NOT ASSESSED	NO ACCESS NO ACCESS	8.0		N/A N/A	N/A N/A	PRIVATE PRIVATE	<10" <10"	0	0	0	
Unimpacted Unimpacted	21030	C228	NOT ASSESSED	NO ACCESS	4.0		N/A	N/A	PRIVATE	<10"	0	0	0	
Unimpacted	21037	C228	NOT ASSESSED	NO ACCESS	4.0		N/A	N/A	WSDOT	Category 2	0	0	4	
Unimpacted	21039	C228	NOT ASSESSED	NO ACCESS	4.0		N/A	N/A	WSDOT	Category 2	0	0	4	
Unimpacted	21040	C228	NOT ASSESSED	NO ACCESS	4.0		N/A	N/A	WSDOT	Category 2	0	0	4	
Unimpacted	21041	C228	NOT ASSESSED	NO ACCESS	4.0		N/A	N/A	WSDOT	Category 2	0	0	4	
Unimpacted	21042	C228	NOT ASSESSED	NO ACCESS	4.0		N/A	N/A	WSDOT	Category 2	0	0	4	
Unimpacted	21043	C228	NOT ASSESSED	NO ACCESS	4.0		N/A	N/A	WSDOT	Category 2	0	0	4	
Unimpacted	21044	C228	NOT ASSESSED	NO ACCESS	4.0		N/A	N/A	WSDOT	Category 2	0	0	4	
Unimpacted	21045 21046	C228 C228	NOT ASSESSED NOT ASSESSED	NO ACCESS NO ACCESS	4.0		N/A N/A	N/A N/A	WSDOT WSDOT	Category 2	0	0	4	
Unimpacted Unimpacted	21046	C228	NOT ASSESSED	NO ACCESS	4.0		N/A N/A	N/A	WSDOT	Category 2 Category 2	0	0	4 Λ	
Unimpacted	21047	C228	NOT ASSESSED	NO ACCESS	4.0		N/A	N/A	WSDOT	Category 2	0	0	4	
Unimpacted	21049	C228	NOT ASSESSED	NO ACCESS	4.0		N/A	N/A	WSDOT	Category 2	0	0	4	
Unimpacted	21050	C228	NOT ASSESSED	NO ACCESS	4.0		N/A	N/A	WSDOT	Category 2	0	0	4	
Unimpacted	21051	C228	NOT ASSESSED	NO ACCESS	4.0		N/A	N/A	WSDOT	Category 2	0	0	4	
Unimpacted	21052	C228	NOT ASSESSED	NO ACCESS	4.0		N/A	N/A	WSDOT	Category 2	0	0	4	
Unimpacted	21053	C228	NOT ASSESSED	NO ACCESS	4.0		N/A	N/A	WSDOT	Category 2	0	0	4	
Unimpacted	21054	C228	NOT ASSESSED	NO ACCESS	4.0		N/A	N/A	PRIVATE	<10"	0	0	0	
Unimpacted	21055 21056	C228 C228	NOT ASSESSED NOT ASSESSED	NO ACCESS NO ACCESS	4.0		N/A N/A	N/A N/A	PRIVATE WSDOT	<10"	0	0	4	
Unimpacted Unimpacted	21050	C228	NOT ASSESSED	NO ACCESS	4.0		N/A	N/A	PRIVATE	Category 2 <10"	0	0	0	
Unimpacted	21057	C228	NOT ASSESSED	NO ACCESS	4.0		N/A	N/A	PRIVATE	<10"	0	0	0	
Unimpacted	21059	C228	NOT ASSESSED	NO ACCESS	4.0		N/A	N/A	PRIVATE	<10"	0	0	0	
Remove	21179	C228	Thuja occidentalis	Arborvitae (Not assessed	0.0		N/A	N/A	PRIVATE	<10"	0	0	0	Within grading limits
			·	due to size)										
Remove	21180	C228	Thuja occidentalis	Arborvitae (Not assessed due to size)	0.0		N/A	N/A	PRIVATE	<10"	0	0	0	Within grading limits
Remove	21181	C228	Thuja occidentalis	Arborvitae (Not assessed due to size)	0.0		N/A	N/A	PRIVATE	<10"	0	0	0	Within grading limits
Remove	21183	C228	Thuja occidentalis	Arborvitae (Not assessed due to size)	0.0		N/A	N/A	PRIVATE	<10"	0	0	0	Within grading limits
Remove	21236	C228	Acer macrophyllum	Bigleaf maple?? (Not assessed, species and dia	10.0		?	?	PRIVATE	Large (Regulated) tree >10"	0	0	2	Within excavation limits
_				estimated))										
Protect	21315	C228	Pseudotsuga menziesii	Douglas-fir	24.0	00 5 40 0	Good	Fair	PRIVATE	Large (Regulated) tree >10"	16	10	3 Chainlink fence at RLOD	AAPUL L
Remove	21318	C228	Acer macrophyllum	Bigleaf maple	32.6	29.5,13.8	Good	Fair	PRIVATE	Exceptional	33	12	5	Within excavation limits Excavation 14 ft from tree; poor condition. Could be
Remove	21320	C228	Acer macrophyllum	Bigleaf maple	28.0		Fair	Poor	PKIVATE	Large (Regulated) tree >10"	19	12	3	Excavation 14 ft from tree; poor condition. Could be saved as habitat tree
Remove	41899	C228	X Cupressocyparis leylandii	Leyland cypress (Not	0.0		0	0	PRIVATE	Exceptional - Grove	0	0	6	Excavation 2 ft from trunk
Remove	41900	C228	X Cupressocyparis leylandii	assessed NO ACCESS) Leyland cypress (Not	0.0		0	0	PRIVATE	Exceptional - Grove	0	0	6	Excavation 2 ft from trunk
Remove	41901	C228	X Cupressocyparis leylandii	assessed NO ACCESS) Leyland cypress (Not	0.0		0	0	PRIVATE	Exceptional - Grove	0	0	6	Excavation 2 ft from trunk
Remove	41902	C228	X Cupressocyparis leylandii	assessed NO ACCESS) Leyland cypress (Not	0.0		0	0	PRIVATE	Exceptional - Grove	0	0	6	Excavation 2 ft from trunk
Remove	41903	C228	X Cupressocyparis leylandii	assessed NO ACCESS) Leyland cypress (Not	0.0		0	0	PRIVATE	Exceptional - Grove	0	0	6	Excavation 2 ft from trunk
Remove	41904	C228	X Cupressocyparis leylandii	assessed NO ACCESS) Leyland cypress (Not	0.0		0	0	PRIVATE	Exceptional - Grove	0	0	6	Excavation 2 ft from trunk
Remove	41905	C228	X Cupressocyparis leylandii	assessed NO ACCESS) Leyland cypress (Not	0.0		0	0	PRIVATE	Exceptional - Grove	0	0	6	Excavation 2 ft from trunk
Remove	41906	C228	X Cupressocyparis leylandii	assessed NO ACCESS) Leyland cypress (Not	0.0		0	0	PRIVATE	Exceptional - Grove	0	0	6	Excavation 2 ft from trunk
Remove	41907	C228	X Cupressocyparis leylandii	assessed NO ACCESS) Leyland cypress (Not	0.0		0	0	PRIVATE	Exceptional - Grove	0	0	6	Excavation 2 ft from trunk
				assessed NO ACCESS)										





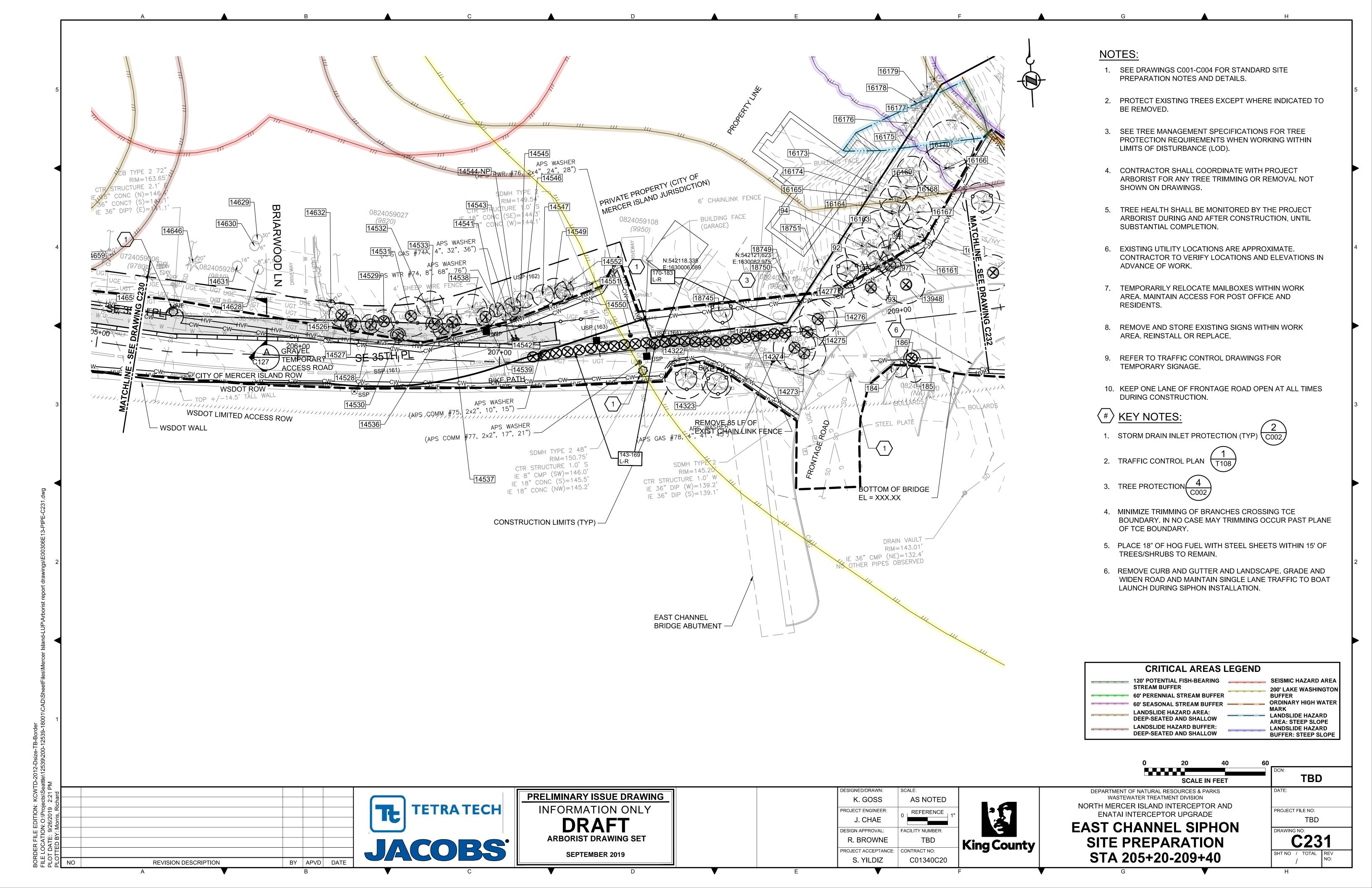
					Single Ste	m							Replacemer		
					Equivalent		Health	Structural					ts required		
Proposed Actio	n Tree ID	Sheet	Scientific Name	Common Name	DSH (in)	Multiple Stem DSH (in)	Condition	Condition	Jurisdiction	Designation*	RLOD (ft)	MLOD (ft)	(Qty)	Protection Notes	Removal Reason
Protect	81	C229	Thuja plicata	Western redcedar	40.0		Good	Good	PRIVATE	Exceptional	40	17	6	Chainlink fence at edge of excavation	Within excavation limits
Remove	11174	C229	Acer platanoides	Norway maple	9.5		Good	Good	WSDOT	Category 2	6	4	10		Excavation 4 ft from trunk
Protect	11184	C229	Acer platanoides	Norway maple	7.0		Good	Good	WSDOT	Category 2	5	3	1	Leave asphalt path in place, chainlink fencing along path and outside	5
Protect	11189	C229	Acer platanoides	Norway maple	7.5		Good	Good	WSDOT	Category 2	<u> </u>	3	8	RLOD Leave asphalt path in place, chainlink fencing along path and outside	
FTOLECT	11107	G227	Acei pialariolues	Norway mapie	7.5		Good	Guuu	WSDOT	Calegory 2	5	J	0	RLOD	-
Protect	11195	C229	Acer platanoides	Norway maple	7.8		Good	Good	WSDOT	Category 2	5	3	8	Leave asphalt path in place, chainlink fencing along path and outside	2
				, ., .										RLOD	
Protect	11201	C229	Acer platanoides	Norway maple	9.0		Good	Good	WSDOT	Category 2	6	4	9	Leave asphalt path in place, chainlink fencing along path and outside	9
														RLOD	
Protect	11209	C229	Acer platanoides	Norway maple	9.2		Good	Good	WSDOT	Category 2	6	4	10	Leave asphalt path in place, chainlink fencing along path and outside	5
Drataat	11215	C229	Acer platanoides	Norway manla	0.3		Cood	Cood	WCDOT	Catagony	/	<u> </u>	10	RLOD	2
Protect	11213	G229	Acer platanoides	Norway maple	9.2		Good	Good	WSDOT	Category 2	Ü	4	10	Leave asphalt path in place, chainlink fencing along path and outside RLOD	2
Protect	11216	C229	Pseudotsuga menziesii	Douglas-fir	12.0		Good	Good	WSDOT	Category 2	8	5	12	Leave asphalt path in place, chainlink fencing along path and outside	9
			g	J. J										RLOD	
Protect	11220	C229	Pseudotsuga menziesii	Douglas-fir	13.0		Good	Good	WSDOT	Category 2	9	5	13	Leave asphalt path in place, chainlink fencing along path and outside	9
														RLOD	
Protect	11222	C229	Pseudotsuga menziesii	Douglas-fir	11.2		Good	Good	WSDOT	Category 2	7	5	12	Leave asphalt path in place, chainlink fencing along path and outside	9
Drotoct	11225	C229	Decudateuga manziaeii	Douglas fir	12.2		Door	Cood	WCDOT	Catagory 2	0		13	RLOD	2
Protect	11223	C229	Pseudotsuga menziesii	Douglas-fir	12.2		Poor	Good	WSDOT	Category 2	0	3	13	Leave asphalt path in place, chainlink fencing along path and outside RLOD	=
Remove	11228	C229	Thuja plicata	Western redcedar	9.0		Good	Good	WSDOT	Category 2	9	4	9	REOD	excavation within 2 ft of tree
Remove	11230	C229	Thuja plicata	Western redcedar	12.0		Good	Good	WSDOT	Category 2	12	5	12		excavation within 2 ft of tree
Protect	15272	C229	Pseudotsuga menziesii	Douglas-fir	7.0		Good	Good	WSDOT	Category 2	5	3	7	Chainlink fence at RLOD or grading limits	
Protect	15273	C229	Populus trichocarpa	Black cottonwood	16.3		Good	Good	WSDOT	Early successional species - no	16	7	0	Chainlink fence at limits of grading	Grading within 6 ft of trunk: consider removal
	45074	2222	0 / ///	Di i ii i	10.1		^ .	0 1	MODOT	replacement required	40	,			
Protect	15274	C229	Populus trichocarpa	Black cottonwood	13.4		Good	Good	WSDOT	Early successional species - no	13	6	0	Chainlink fence at limits of grading	Grading within 6 ft of trunk: consider removal
Remove	15275	C229	Populus trichocarpa	Black cottonwood	27.4	14.6, 17.8, 14.9	Fair	Poor	WSDOT	replacement required Early successional species - no	27	11	0		Excavation 9 ft from trunk; poor condition
Kemove	13273	CZZ 7	ғориш інспосатра	DIACK COLLOTIWOOU	27.4	14.0, 17.0, 14.7	i ali	F 00I	WSDOT	replacement required	21	11	U		Excavation 9 it from trank, poor condition
Remove	15276	C229	Thuja plicata	Western redcedar	7.0		Good	Good	WSDOT	Category 2	7	3	7		Excavation within 8 ft of trunk potential to save; young
			.).												tree
Remove	15277	C229	Pseudotsuga menziesii	Douglas-fir	7.0		Good	Good	WSDOT	Category 2	5	3	7		Excavation within 1 ft of tree
Remove	15278	C229	Pseudotsuga menziesii	Douglas-fir	8.0		Good	Good	WSDOT	Category 2	5	3	8		Within excavation limits
Remove	15279	C229	Pseudotsuga menziesii	Douglas-fir	13.4		Good	Good	WSDOT	Category 2	9	6	14		Within excavation limits
Remove	15280	C229	Pseudotsuga menziesii	Douglas-fir	15.4		Good	Good	WSDOT	Category 2	10	6	16		Grading within 6 ft of trunk, excavation 7 ft from trunk
Remove	15281 15282	C229 C229	Thuja plicata	Western redcedar	7.0 7.5		Good Good	Good Good	WSDOT WSDOT	Category 2		3	0		Within excavation limits
Remove	15283	C229	Pseudotsuga menziesii Thuja plicata	Douglas-fir Western redcedar	11.0	8.7,6.7	Poor	Fair	WSDOT	Category 2 Category 2	11	<u>ა</u> 5	11		Within grading limits Within excavation limits
Remove	15284	C229	Pseudotsuga menziesii	Douglas-fir	10.4	0.7,0.7	Good	Good	WSDOT	Category 2	7	4	11		Within excavation limits
Remove	15285	C229	Pseudotsuga menziesii	Douglas-fir	8.0		Good	Good	WSDOT	Category 2	5	3	8		Within grading limits
Remove	15286	C229	Pseudotsuga menziesii	Douglas-fir	14.7		Good	Good	WSDOT	Category 2	10	6	15		Within excavation limits
Remove	15287	C229	Thuja plicata	Western redcedar	8.0		Poor	Good	WSDOT	Category 2	8	3	8		Within excavation limits
Remove	15288	C229	Pseudotsuga menziesii	Douglas-fir	11.4		Good	Good	WSDOT	Category 2	8	5	12		Within excavation limits
Remove	15290	C229	Pseudotsuga menziesii	Douglas-fir	12.8		Good	Good	WSDOT	Category 2	9	5	13		Within excavation limits
Remove Remove	15291 15292	C229 C229	Thuja plicata Thuja plicata	Western redcedar Western redcedar	12.0 13.4		Poor Fair	Fair Fair	WSDOT WSDOT	Category 2 Category 2	12 13	<u>5</u>	12 14		Within excavation limits Within excavation limits
Remove	15292	C229	Pseudotsuga menziesii	Douglas-fir	13.4		Good	Good	WSDOT	Category 2	9	6	14		Within excavation limits Within excavation limits
Remove	15294	C229	Pseudotsuga menziesii	Douglas-fir	12.8		Good	Good	WSDOT	Category 2	9	5	13		Too close to excavation
Remove (dead)	15295	C229	Dead	Dead Douglas-fir	13.0		Dead	Dead	WSDOT	Dead snag	0	0	0		Dead: within 5 feet of work limits
Remove	15296	C229	Pseudotsuga menziesii	Douglas-fir	12.8		Fair	Good	WSDOT	Category 2	9	5	13		Within grading limits
Remove	15297	C229	Pseudotsuga menziesii	Douglas-fir	10.2		Fair	Good	WSDOT	Category 2	7	4	11		Within excavation limits
Remove	15298	C229	Acer platanoides	Norway maple	10.5		Good	Good	WSDOT	Category 2	7	4	11		Within excavation limits
Unimpacted Remove	15299 19667	C229 C229	Dead Acer platanoides	Dead Douglas-fir Norway maple	12.0 8.1		Dead Good	Dead Good	WSDOT WSDOT	Dead snag Category 2	5	3	0		Within excavation limits
Unimpacted	19668	C229	Dead	Dead Dead	8.0		Dead	Dead	WSDOT	Dead snag	0	0	0		Within excavation innits
Unimpacted	19669	C229	Dead	Dead	8.0		Dead	Dead	WSDOT	Dead snag Dead snag	0	0	0		
Remove (dead)	19670	C229	Dead	Dead Douglas-fir	11.2		Dead	Dead	WSDOT	Dead snag	0	0	0		Dead
Remove (dead)	19671	C229	Dead	Dead Douglas-fir	11.7		Dead	Dead	WSDOT	Dead snag	0	0	0		Dead
Remove (dead)	19673	C229	Dead	Dead	4.0		Dead	Dead	WSDOT	Dead snag	0	0	0		Dead
Protect	36437	C229	Acer macrophyllum	Bigleaf maple	10.2	4,5,8	Fair	Fair	WSDOT	Category 2	7	4	11	Chainlink fence at RLOD	
Protect	36450	C229	Populus trichocarpa	Black cottonwood	18.5		Good	Good	WSDOT	Early successional species - no	19	8	0	Chainlink fence at grading limits	
Remove	36459	C229	Thuja plicata	Western redcedar	9.0		Good	Good	WSDOT	replacement required	9	1	9		Within excavation limits
Remove	36460	C229	Thuja plicata	Western redcedar	13.1	11, 5, 5	Poor	Good	WSDOT	Category 2 Category 2	13	5	 14		Within excavation limits Within excavation limits
Remove	36461	C229	Thuja plicata	Western redcedar	12.0	, ., .	Fair	Good	WSDOT	Category 2	12	5	12		Within excavation limits Within excavation limits
Remove	36462	C229	Pseudotsuga menziesii	Douglas-fir	12.0		Good	Good	WSDOT	Category 2	8	5	12		Within excavation limits
Remove	36463	C229	Pseudotsuga menziesii	Douglas-fir	10.0		Good	Good	WSDOT	Category 2	7	4	10		Within excavation limits
Remove	36464	C229	Pseudotsuga menziesii	Douglas-fir	11.7		Good	Good	WSDOT	Category 2	8	5	12		Within excavation limits
Remove	36465	C229	Pseudotsuga menziesii	Douglas-fir	14.0		Good	Good	WSDOT	Category 2	9	6	14		Within excavation limits



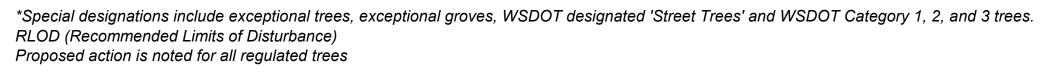


					Single Sten	า							Replaceme	en	
					Equivalent		Health	Structural					ts required		
Proposed Action	n Tree ID	Sheet	Scientific Name	Common Name	DSH (in)	Multiple Stem DSH (in)	Condition	Condition	Jurisdiction	n Designation*	RLOD (ft)	MLOD (ft)	(Qty)	Protection Notes	Removal Reason
Protect	24304	C230	Acer circinatum	Vine maple	6.6	2.5,2.5,2.5,2.5,2,2,2,1.5	Good	Good	WSDOT	Category 2	4	3	7	Chainlink fencing at curb edge	
Protect	24305	C230	Acer circinatum	Vine maple	6.5	3.5,3,2.5,2.5,2.5,1.5	Good	Good	WSDOT	Category 2	4	3	7	Chainlink fencing at curb edge	
Protect	24306	C230	Acer circinatum	Vine maple	2.9	2,1.5,1.5	Fair	Poor	WSDOT	Category 3	2	1	n/a	Chainlink fencing at curb edge	
Protect	24307	C230	Acer circinatum	Vine maple	4.7	2.5,2.5,1.5,1.5,1.5,1	Good	Fair	WSDOT	Category 2	3	2	5	Chainlink fencing at curb edge	
Protect	24308	C230	Acer circinatum	Vine maple	1.5		Good	Fair	WSDOT	Category 3	1	1	n/a	Chainlink fencing at curb edge	
Protect	24309	C230	Acer circinatum	Vine maple	2.3	1.5, 1.0, 1.0, 1.0	Fair	Fair	WSDOT	Category 3	2	1	n/a	Chainlink fencing at curb edge	
Protect	24310	C230	Acer circinatum	Vine maple	4.9	2.0, 2.0, 2.0, 2.0, 2, 1.5, 1.5	Good	Good	WSDOT	Category 2	3	2	5	Chainlink fencing at curb edge	
Protect	24311	C230	Acer circinatum	Vine maple	4.5	3.0, 2.5, 2.0, 1.0	Fair	Fair	WSDOT	Category 2	3	2	5	Chainlink fencing at curb edge	
Protect	24312	C230	Acer circinatum	Vine maple	4.3	2.5, 2.0, 2.0, 2.0	Good	Good	WSDOT	Category 2	3	2	5	Chainlink fencing at curb edge	
Protect	24313	C230	Acer circinatum	Vine maple	4.0	2.5, 2.5, 1.5, 1	Good	Good	WSDOT	Category 2	3	2	4	Chainlink fencing at curb edge	
Remove (dead)	11229	C230	Dead	Dead	10.0		Dead	Dead	WSDOT	Dead snag	0	0	0		Dead
Protect	14788	C230	Acer platanoides	Norway maple	7.8		Good	Good	WSDOT	Street Tree	5	3	1	Chainlink fencing at curb edge	
Protect	14789	C230	Acer platanoides	Norway maple	8.9		Good	Good	WSDOT	Street Tree	6	4	1	Chainlink fencing at curb edge	
Protect	14790	C230	Acer platanoides	Norway maple	10.6		Good	Good	WSDOT	Street Tree	7	4	1	Chainlink fencing at curb edge	
Unimpacted	14847	C230	Acer platanoides	Norway maple	8.0		Good	Good	COMI	6" - 10"	5	3	1		
Unimpacted	14872	C230	Acer platanoides	Norway maple	8.6		Good	Good	COMI	6" - 10"	6	4	1		
Protect	15241	C230	Xanthocyparis nootktensis	Alaskan cedar	15.6	10,12	Good	Fair	WSDOT	Category 2	10	7	16	TBD	
Protect	15246	C230	Xanthocyparis nootktensis	Alaskan cedar	12.2		Good	Good	WSDOT	Category 2	8	5	13	TBD	
Protect	15248	C230	Thuja plicata	Western redcedar	9.7	8,5.5	Good	Fair	COMI	6" - 10"	10	4	1		
Protect	15253	C230	Acer platanoides	Norway maple	7.8		Good	Good	COMI	6" - 10"	5	3	1		
Remove	19672	C230	Acer platanoides	Norway maple	11.8		Good	Good	WSDOT	Category 2	8	5	12		10 ft from excavation

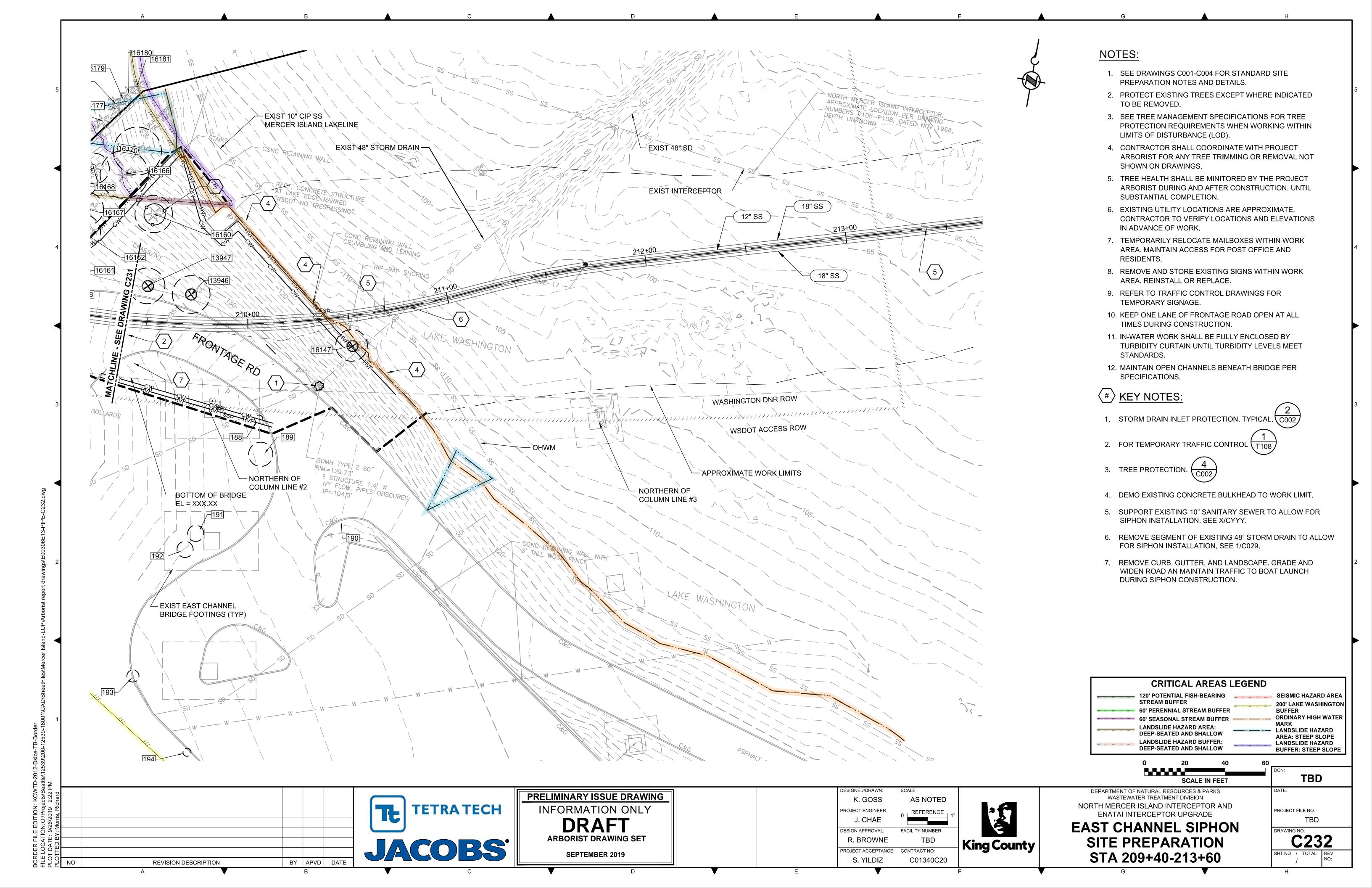




					Single Stem					Replacemen
					Equivalent	Health	Structural			ts required
Proposed Action Protect	on Tree ID 92	Sheet C231	Scientific Name Pseudotsuga menziesii	Common Name	DSH (in) Multiple Stem DSH (in) 12.4	Condition Good	Condition Good	Jurisdictio WSDOT	n Designation*	* RLOD (ft) MLOD (ft) (Qty) Protection Notes Removal Reason 8 5 13 TBD
Remove	93	C231	Pseudotsuga menziesii	Douglas-fir Douglas-fir	14.5	Good	Good	WSDOT	Category 2 Category 2	10 6 15 TBD staging/construction access
Protect	94	C231	Pseudotsuga menziesii	Douglas-fir	14.5	Good	Good	WSDOT	Category 2	10 6 15 Chainlink fencing at RLOD or dripline
Protect Protect	95 96	C231 C231	Pseudotsuga menziesii Pseudotsuga menziesii	Douglas-fir Douglas-fir	8.0 8.0	Good Good	Good Good	WSDOT WSDOT	Category 2 Category 2	5 3 8 Chainlink fencing at RLOD or dripline 5 3 8 Chainlink fencing at RLOD or dripline
Remove	97	C231	Pseudotsuga menziesii	Douglas-fir	8.0	Good	Good	WSDOT	Category 2	5 3 8 Staging/construction access
Remove	143	C231	Thuja plicata	Western redcedar	5.7 3.5, 3.8, 2.5	Poor	Poor	WSDOT	Category 2	6 2 6 Within limits of excavation
Remove Remove	144 145	C231 C231	Thuja plicata Thuja plicata	Western redcedar Western redcedar	2.4 2.0, 1.0, 1.0 2.6 1.5, 1.5, 1.5	Poor Poor	Poor Poor	WSDOT WSDOT	Category 3	2 1 n/a Within limits of excavation 3 1 n/a Within limits of excavation
Remove	146	C231	Thuja plicata	Western redcedar	2.1 1.0, 1.0, 1.5	Poor	Poor	WSDOT	Category 3 Category 3	2 1 n/a Within limits of excavation Within limits of excavation
Remove	147	C231	Thuja plicata	Western redcedar	1.7 1.5, .75	Poor	Poor	WSDOT	Category 3	2 1 n/a Within limits of excavation
Remove Remove	148 149	C231 C231	Thuja plicata Thuja plicata	Western redcedar Western redcedar	2.3 1.0, 1.0, 1.0, 1.5 5.0	Poor Poor	Poor Good	WSDOT WSDOT	Category 3	2 1 n/a Within limits of excavation 5 2 5 Within limits of excavation
Remove	150	C231	Thuja plicata	Western redcedar	4.5	Fair	Good	WSDOT	Category 2 Category 2	5 2 5 Within limits of excavation 5 2 5
Remove	151	C231	Thuja plicata	Western redcedar	3.1 2.0, 1.5, 1.5, 1.0	Fair	Poor	WSDOT	Category 3	3 1 n/a Within limits of excavation
Remove Remove	152 153	C231 C231	Thuja plicata Thuja plicata	Western redcedar Western redcedar	3.9 3.0, 1.0, 1.5, 1.5, 1.0 3.5	Poor Poor	Fair Poor	WSDOT WSDOT	Category 3 Category 3	4 2 n/a Within limits of excavation 4 1 n/a Within limits of excavation
Remove	154	C231	Thuja plicata	Western redcedar	3.7 2.5, 2.5, 1.0	Poor	Poor	WSDOT	Category 3	4 2 n/a Within limits of excavation Within limits of excavation
Remove	155	C231	Thuja plicata	Western redcedar	3.6 2.5, 1.5, 1.5, 1.0, 1.0	Poor	Poor	WSDOT	Category 3	4 1 n/a Within limits of excavation
Remove Remove	156 157	C231 C231	Thuja plicata Thuja plicata	Western redcedar Western redcedar	4.3 3.5,2.0, 1.5 2.9 2.5, 1.5	Fair Fair	Fair Fair	WSDOT WSDOT	Category 2	4 2 5 Within limits of excavation 3 1 n/a Within limits of excavation
Remove	157	C231	Thuja plicata Thuja plicata	Western redcedar	4.3 3.0, 1.5, 2.5, 1.0	Fair	Fair	WSDOT	Category 3 Category 2	4 2 5 Within limits of excavation
Remove (dead)	159	C231	Dead	Dead Western redceda		Dead	Dead	WSDOT	Dead snag	
Remove	160 161	C231 C231	Thuja plicata	Western redeedar	2.0	Good	Fair	WSDOT WSDOT	Category 2	4 2 4 Within limits of excavation 2 1 n/a Within limits of excavation
Remove Remove	162	C231	Thuja plicata Thuja plicata	Western redcedar Western redcedar	4.7 3.5, 2.5, 2.0	Poor Fair	Poor Fair	WSDOT	Category 3 Category 2	2 1 n/a Within limits of excavation 5 2 5 Within limits of excavation
Remove	163	C231	Thuja plicata	Western redcedar	2.9 2.0, 1.5, 1.5	Fair	Fair	WSDOT	Category 3	3 1 n/a Within limits of excavation
Remove	164 165	C231	Thuja plicata	Western redcedar	4.3 3.5, 2.0, 1.5 2.9 2.5, 1.0, 1.0	Good	Fair Fair	WSDOT WSDOT	Category 2	4 2 5 Within limits of excavation 3 1 n/a Within limits of excavation
Remove Remove	166	C231 C231	Thuja plicata Thuja plicata	Western redcedar Western redcedar	2.9 2.5, 1.0, 1.0 4.1 2.0, 2.0, 2.0, 1.5, 1.5	Good Fair	Fair Fair	WSDOT	Category 3 Category 2	3 1 n/a Within limits of excavation 4 2 5 Within limits of excavation
Remove	167	C231	Thuja plicata	Western redcedar	3.5	Fair	Fair	WSDOT	Category 3	4 1 n/a Within limits of excavation
Remove	168	C231	Thuja plicata	Western redcedar	4.0 3.5, 2.0	Fair	Fair	WSDOT	Category 2	4 2 5 Within limits of excavation
Remove Remove	169 170	C231 C231	Thuja plicata Thuja plicata	Western redcedar Western redcedar	4.9 3.0, 3.0, 2.5 3.0	Fair Fair	Fair Fair	WSDOT WSDOT	Category 2 Category 3	5 2 5 Within limits of excavation 3 1 n/a Within limits of excavation
Remove	171	C231	Thuja plicata	Western redcedar	4.3 3.5, 2.5	Fair	Fair	WSDOT	Category 2	4 2 5 Within limits of excavation
Remove	172	C231	Thuja plicata	Western redcedar	5.0	Fair	Fair	WSDOT	Category 2	5 2 5 Within limits of excavation
Remove Remove	173 174	C231 C231	Thuja plicata Thuja plicata	Western redcedar Western redcedar	5.0 5.0	Fair Fair	Fair Fair	WSDOT WSDOT	Category 2 Category 2	5 2 5 Within limits of excavation 5 2 5 Within limits of excavation
Remove	175	C231	Thuja plicata	Western redcedar	5.0	Fair	Fair	WSDOT	Category 2	5 2 5 Within limits of excavation
Remove	176	C231	Thuja plicata	Western redcedar	6.0 5.5, 2.5	Fair	Fair	WSDOT	Category 2	6 3 7 Within limits of excavation
Remove Remove	177 178	C231 C231	Thuja plicata Thuja plicata	Western redcedar Western redcedar	4.5 4.0, 2.0 6.4 4.5, 4.5	Fair Fair	Fair Fair	WSDOT WSDOT	Category 2 Category 2	4 2 5 Within limits of excavation 6 3 7 Within limits of excavation
Remove	179	C231	Thuja plicata	Western redcedar	7.7 4.5, 5.5, 3.0	Fair	Fair	WSDOT	Category 2	8 3 8 Within limits of excavation
Remove	180	C231	Thuja plicata	Western redcedar	5.3 3.5, 4.0	Fair	Fair	WSDOT	Category 2	5 2 6 Within limits of excavation
Remove Remove	181 182	C231 C231	Thuja plicata Thuja plicata	Western redcedar Western redcedar	3.5 2.5, 2.5 3.4 3.0, 1.5	Fair Fair	Fair Fair	WSDOT WSDOT	Category 3 Category 3	4 1 n/a Within limits of excavation 3 1 n/a Within limits of excavation
Remove	183	C231	Thuja plicata	Western redcedar	3.0	Fair	Fair	WSDOT	Category 3	3 1 n/a Within limits of excavation
Remove	13948	C231	Acer platanoides	Norway maple	14.3	Good	Good	WSDOT	Street Tree	10 6 1 staging/construction access
Remove Remove	14273 14274	C231 C231	Pseudotsuga menziesii Pseudotsuga menziesii	Douglas-fir Douglas-fir	16.2 15.8	Good Good	Good Good	WSDOT WSDOT	Category 2 Category 2	11 7 17 Temporary access road 11 7 16 Temporary access road
Remove	14275	C231	Pseudotsuga menziesii	Douglas-fir	13.0	Good	Good	WSDOT	Category 2	9 5 13 Within limits of excavation
Remove	14276	C231	Pseudotsuga menziesii	Douglas-fir	14.2	Good	Good	WSDOT	Category 2	9 6 15 Within limits of excavation
Remove Protect	14277 14322	C231 C231	Pseudotsuga menziesii Xanthocyparis nootktensis	Douglas-fir Alaskan cedar	12.8 15.3	Good Good	Good Good	WSDOT WSDOT	Category 2 Category 2	9 5 13 staging/construction access 10 6 16 TBD
Protect	14323	C231	Xanthocyparis nootktensis	Alaskan cedar	11.2	Good	Good	WSDOT	Category 2	7 5 12 TBD
Protect	14526	C231	Acer Platanoides	Norway maple	9.1	Good	Good	COMI	6" - 10"	6 4 1 TBD
Remove Remove	14527 14528	C231 C231	Pseudotsuga menziesii Pseudotsuga menziesii	Douglas-fir Douglas-fir	7.5 7.1	Good Good	Good Good	COMI	6" - 10" 6" - 10"	5 3 1 Temporary access road 5 3 1 Temporary access road
Remove	14529	C231	Acer platanoides	Norway maple	8.4	Good	Good	COMI	6" - 10"	6 4 1 Temporary access road
Remove	14530	C231	Pseudotsuga menziesii	Douglas-fir	5.5	Good	Good	COMI	<6" 10" 24"	4 2 0 Temporary access road
Protect Remove	14531 14532	C231 C231	Pseudotsuga menziesii Pseudotsuga menziesii	Douglas-fir Douglas-fir	14.8 6.2	Good Good	Good Good	COMI	10"-24" 6" - 10"	10 6 2 TBD 4 3 1 Temporary access road
Protect	14533	C231	X Cupressocyparis leylandii	Leyland cypress	10.0	Good	Fair	COMI	10"-24"	7 4 2 TBD
Remove	14536	C231	X Cupressocyparis leylandii	Leyland cypress	7.8	Good	Good	COMI	6" - 10"	5 3 1 Temporary access road
Remove Protect	14537 14538	C231 C231	Pseudotsuga menziesii X Cupressocyparis leylandii	Douglas-fir Leyland cypress	7.1 11.4	Good Good	Good Good	COMI	6" - 10" 10"-24"	5 3 1 Temporary access road 8 5 2 TBD
Protect	14539	C231	X Cupressocyparis leylandii	Leyland cypress	7.1	Good	Good	COMI	6" - 10"	5 3 1 TBD
Protect	14541	C231	Pseudotsuga menziesii	Douglas-fir	5.2	Good	Good	COMI	<6"	3 2 0 TBD
Protect Protect	14542 14543	C231 C231	X Cupressocyparis leylandii Pseudotsuga menziesii	Leyland cypress Douglas-fir	6.1 6.4	Good Good	Good Good	COMI	6" - 10" 6" - 10"	4 3 1 TBD 4 3 1 TBD
n/a	14544	C231	Not Present	Not present	0.0	Not Present	Not Present	COMI	Stump - Not Pres	Present n/a n/a 0
Protect	14545	C231	X Cupressocyparis leylandii	Leyland cypress	5.0	Good	Good	COMI	<6"	3 2 0 TBD
Protect Protect	14546 14547	C231 C231	X Cupressocyparis leylandii X Cupressocyparis leylandii	Leyland cypress Leyland cypress	6.1 8.0	Good Good	Good Good	COMI	6" - 10" 6" - 10"	4 3 1 TBD 5 3 1 TBD
Protect	14548	C231	X Cupressocyparis leylandii	Leyland cypress	8.5	Good	Good	COMI	6" - 10"	6 4 1
Protect	14549	C231	X Cupressocyparis leylandii	Leyland cypress	9.3	Good	Good	COMI	6" - 10"	6 4 1 TBD
Protect Protect	14550 14551	C231 C231	X Cupressocyparis leylandii Robinia pseudoacacia	Leyland cypress Black locust	6.1 6.8	Good Good	Good Good	COMI	6" - 10" 6" - 10"	4 3 1 TBD 5 3 1 TBD
Protect	14632	C231	Picea spp.	Glehn's spruce	3.0	Good	Good	COMI	<6"	2 1 0 TBD
Protect	16161	C231	Pseudotsuga menziesii	Douglas-fir	13.3	Good	Good	WSDOT	Category 2	9 6 14 TBD
Protect Protect	16162 16163	C231 C231	Pseudotsuga menziesii Pseudotsuga menziesii	Douglas-fir Douglas-fir	13.0 14.0	Good Good	Good Good	WSDOT WSDOT	Category 2 Category 2	9 5 13 TBD 9 6 14 TBD
Protect	16164	C231	Pseudotsuga menziesii	Douglas-fir	11.1	Good	Good	WSDOT	Category 2	7 5 12 TBD
Protect	16165	C231	Pseudotsuga menziesii	Douglas-fir	10.0	Good	Good	WSDOT	Category 2	7 4 10 TBD
Protect Protect	16166 16167	C231 C231	Pseudotsuga menziesii Pseudotsuga menziesii	Douglas-fir Douglas-fir	17.9 12.2	Good Good	Good Good	WSDOT WSDOT	Category 2 Category 2	12 7 18 TBD 8 5 13 TBD
Protect	16168	C231	Pseudotsuga menziesii	Douglas-fir	11.5	Good	Good	WSDOT	Category 2 Category 2	8 5 12 TBD
Protect	16169	C231	Pseudotsuga menziesii	Douglas-fir	11.4	Good	Good	WSDOT	Category 2	8 5 12 TBD
Protect	16170	C231	Pseudotsuga menziesii	Douglas-fir	17.8	Good	Good	WSDOT	Category 2	12 7 18 TBD



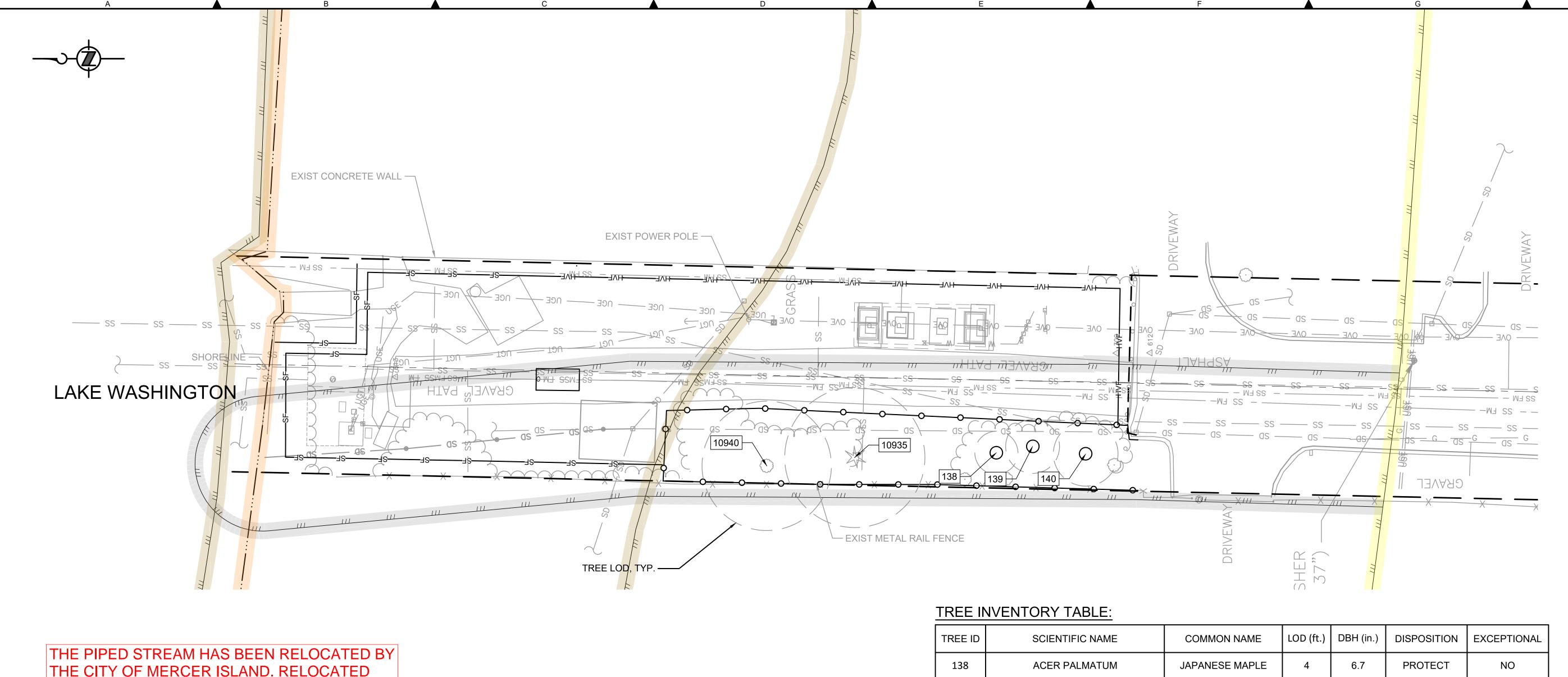




Appendix F August 2, 2019

					Single Sten	1							Replace	emen	
					Equivalent			Structural					ts requir		
Proposed Action	Tree ID	Sheet	Scientific Name	Common Name	DSH (in)	Multiple Stem DSH (in)	Condition	Condition	Jurisdictio	n Designation*	RLOD (t) MLOD (ft)	(Qty)	Protection Notes	Removal Reason
Remove	13946	C232	Acer platanoides	Norway maple	14.0		Good	Good	WSDOT	Street Tree	9	6	1		staging/construction access
Remove	13947	C232	Acer platanoides	Norway maple	13.3		Good	Good	WSDOT	Street Tree	9	6	1		staging/construction access
Remove	16147	C232	Sorbus aucuparia	European Mountain Ash	11.8	7.2, 5.2, 5.5, 3.0, 4.5	Fair	Fair	WSDOT	Category 2	8	5	12		shoreline restoration
Protect*	16160	C232	Pinus nigra	Austrian black pine	13.9		Good	Fair	WSDOT	Category 2	9	6	14	TBD	Tree broke in snow storm. Removal?



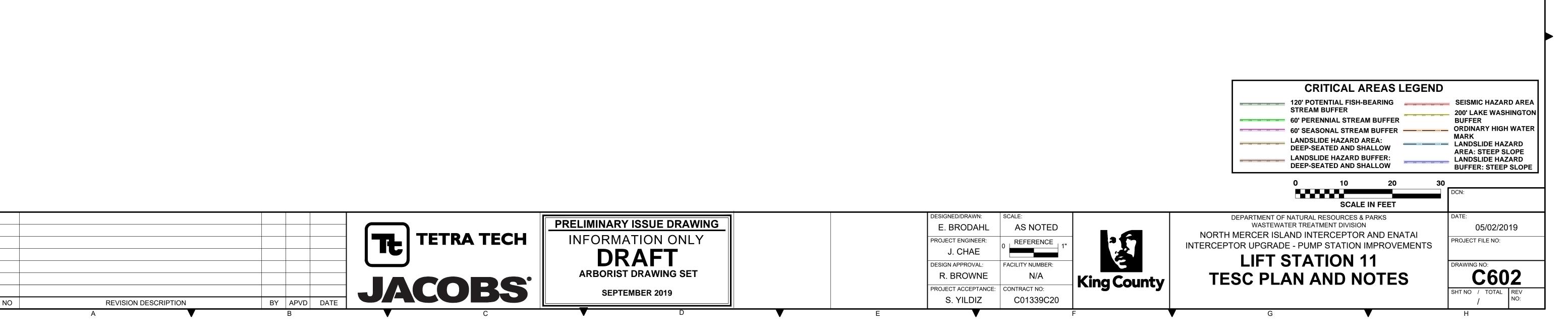


THE PIPED STREAM HAS BEEN RELOCATED BY THE CITY OF MERCER ISLAND. RELOCATED ALIGNMENT AND SUBSEQUENT BUFFER WILL BE UPDATED AS SOON AS INFORMATION BECOMES AVAILABLE.

KEY NOTES:

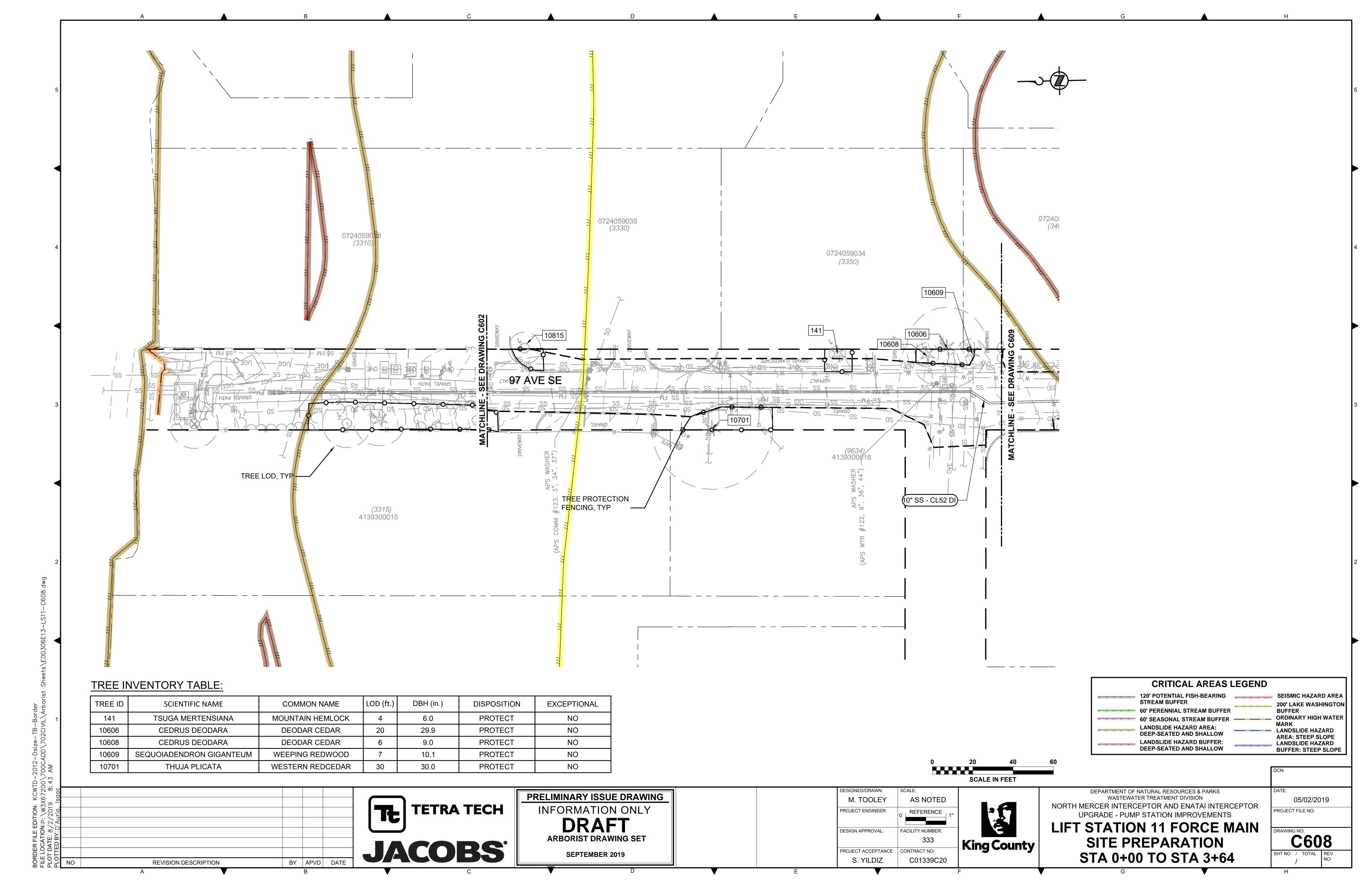
1. VEGETATION EXTENT (NOT TREES) BEYOND THE TREE PROTECTION FENCING EXTENT SHOWN IS TO BE TRIMMED PRIOR TO FENCING PLACEMENT.

TREE ID	SCIENTIFIC NAME	COMMON NAME	LOD (ft.)	DBH (in.)	DISPOSITION	EXCEPTIONAL
138	ACER PALMATUM	JAPANESE MAPLE	4	6.7	PROTECT	NO
139	PRUNUS EMARGINATA	BITTER CHERRY	5	8.2	PROTECT	NO
140	ACER PALMATUM	JAPANESE MAPLE	6	9.5	PROTECT	NO
10935	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	13	19.3	PROTECT	NO
10940	KOELREUTERIA PANICULATA	GOLDEN RAINTREE	12	17.3	PROTECT	NO



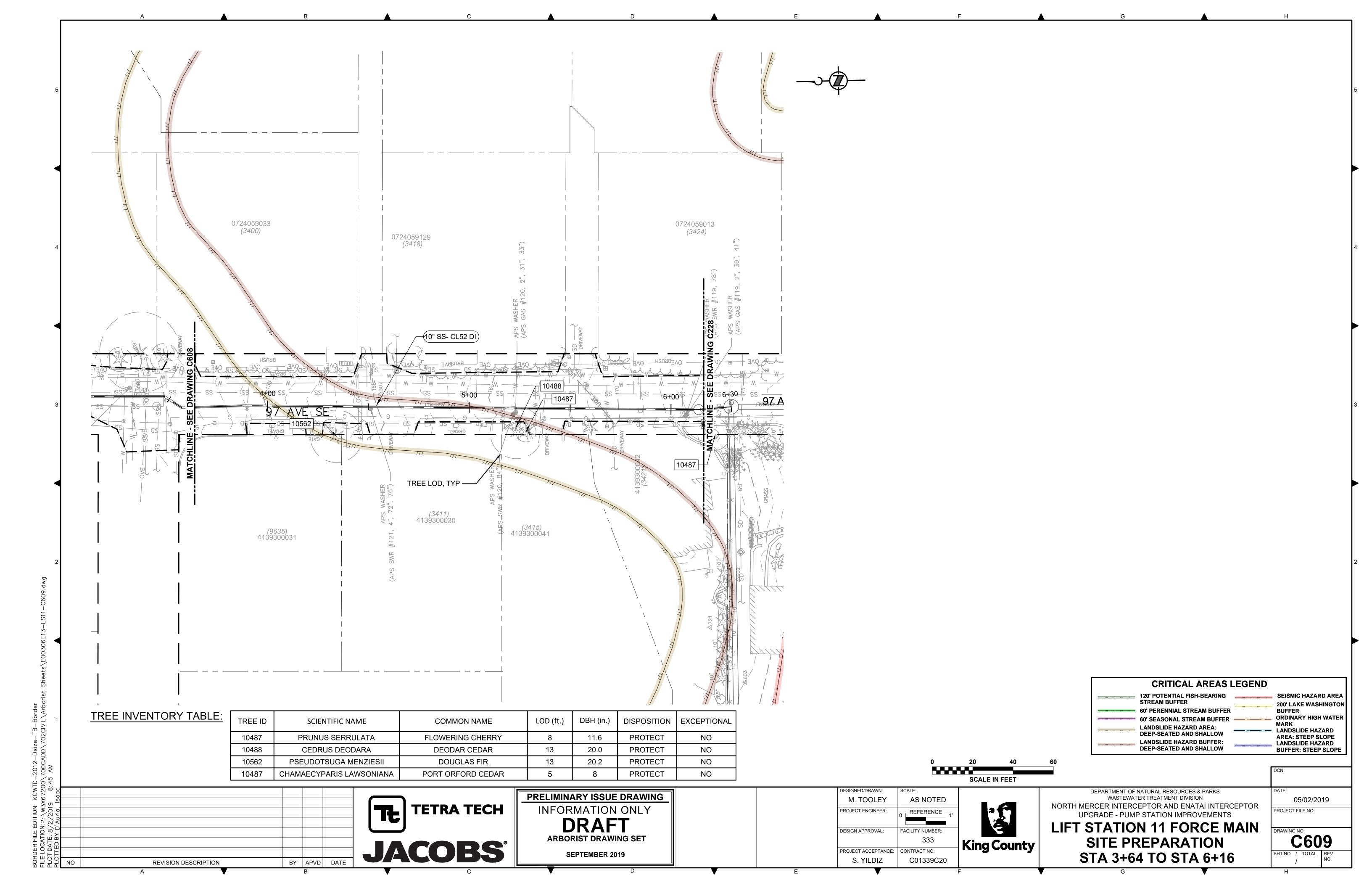
					Single Ster								Replacem		
					Equivalent			Structural					ts require		
Proposed Act	on Tree ID	Sheet	Scientific Name	Common Name	DSH (in)	Multiple Stem DSH (in)	Condition	Condition	Jurisdictio	n Designation*	RLOD (ft)	MLOD (ft)	(Qty)	Protection Notes	Removal Reason
Remove	0	C602	Crataegus monogyna	Common hawthorn	17.9	8.8, 10.6, 11.4	Good	Good	COMI	Exceptional	12	7	6		Within construction limits
Protect	0	C602	Pseudotsuga menziesii	Douglas-fir	19.3		Good	Good	COMI	10"-24"	13	8	2	Chainlink fencing along access road	
Protect	0	C602	Koelreuteria paniculata	Golden raintree	17.3	10, 10, 8, 6	Good	Good	COMI	10"-24"	12	7	2	Chainlink fencing along access road	
Protect	138	C602	Acer palmatum	Japanese maple	6.7	5, 4.5	Good	Good	COMI	6" - 10"	4	3	1	Chainlink fencing along access road	
Protect	139	C602	Prunus emarginata	Bitter cherry	8.2		Good	Poor	COMI	6" - 10"	5	3	1	Chainlink fencing along access road	
Protect	140	C602	Acer palmatum	Japanese maple	9.5		Good	Good	COMI	6" - 10"	6	4	1	Chainlink fencing along access road	





					Single Stem Equivalent		Health	Structural					Replaceme ts required	
Proposed Action	Tree ID	Sheet	Scientific Name	Common Name		Multiple Stem DSH (in)	Condition	Condition	Jurisdictio	n Designation*	RLOD (ft)	MLOD (ft)		Protection Notes Removal Reason
Protect	141	C608	Tsuga mertensiana	Mountain hemlock	6.0		Good	Good	COMI	6" - 10"	4	3	1	Chainlink fencing at edge of asphalt
Protect	10606	C608	Cedrus deodara	Deodar cedar	29.9		Good	Fair	COMI	24"-36"	20	12	3	Chainlink fencing at edge of asphalt
Protect	10608	C608	Cedrus deodara	Deodar cedar	9.0		Good	Good	COMI	6" - 10"	6	4	1	Chainlink fencing at edge of asphalt
Protect	10609	C608	Sequoiadendron giganteum 'Pendulum'	Weeping Redwood	10.1		Good	Good	COMI	10"-24"	7	4	2	Chainlink fencing at edge of asphalt
Protect	10701	C608	Thuja plicata	Western redcedar	30.0		Fair	Good	COMI	Exceptional	30	13	6	Chainlink fencing at edge of asphalt
Protect	10815	C608	Cercidiphyllum japonicum	Katsura tree	8.2		Good	Good	COMI	6" - 10"	8	3	1	Chainlink fencing at edge of asphalt





					Single Stem							Replacer	nen	
					Equivalent	Health	Structural					ts require	ed	
Proposed Action	on Tree ID	Sheet	Scientific Name	Common Name	DSH (in) Multiple Stem DSH (in)	Condition	Condition	Jurisdiction	n Designation*	RLOD (ft)	MLOD (ft)	(Qty)	Protection Notes	Removal Reason
Protect	10487	C609	Prunus serrulata	Flowering cherry	11.6	Good	Good	COMI	10"-24"	8	5	2	Chainlink fencing at edge of asphalt	
Protect	10488	C609	Cedrus deodara	Deodar cedar	20.0	Good	Good	COMI	10"-24"	13	8	2	Chainlink fencing at edge of asphalt	
Protect	10562	C609	Pseudotsuga menziesii	Douglas-fir	20.2	Good	Good	COMI	10"-24"	13	8	2	Chainlink fencing at edge of asphalt	

