



ADDENDUM NO. 1,

Muck Creek Mitigation Bid No. 25-C3136

May 1, 2025
9 Pages including 2 cover sheets.

Bid Date: 12:00 PM on May 7, 2025 (No Change to Bid Date)


TO: Prospective Bidders

This Addendum forms a part of the Contract Provisions and modifies the original Bidding Documents dated April 2025. Bidders must acknowledge receipt of this Addendum in the space provided on the Bid Proposal (Bid Signature Page). Failure to do so may subject Bidder to disqualification. The modifications are summarized below.

1. Section III – Bid Documents – Statement of Bidder’s Qualifications (1 page):
Modified Item 10 (“Experience Working in Jurisdictional Waters”) on page III-7 to allow to eligible experience to include projects substantially completed in the year **2015** (previously 2020) or later.
2. Section V – Special Provisions (3 pages total):
 - a. Special Provision (SP) 1-02.14 – Modified Supplemental Criterion #8 (“Experience Working in Jurisdictional Waters”) to require in-water work experience in the year **2015** (previously 2020) or later. (1 page)
 - b. SP 2-01.1 – Modified requirements for handling of any trees removed from the project site and clarified that the Engineer’s process for evaluating trees for potential removal will include flagging any trees confirmed for removal. (1 page)
 - c. SP 8-02.3(17) – Modified material requirements to indicate that the biodegradable Erosion Control blanket and stakes must be 100% biodegradable (1 page)
3. Contract Plans (3 pages total):
 - a. Site Preparation, Stream Diversion, & TESC Plan (Sheet 4) – Updated General Note #11 to clarify tree removal requirements. (1 page)
 - b. Stream Plan (Sheet 7) – Revised approximate location and orientation of 10 log pieces such that they are installed more fully within the low-flow channel and oriented close to parallel with the stream alignment. (1 page)

- c. Vegetation Schedule (Sheet 11) – Updated Streamside Planting schedule to reduce planting density of willow species and add red alder and black cottonwood tree plantings. (1 page)

END OF ADDENDUM

Accepted by 

Andrew Silvia, PE
Capital Project Manager
City of Kenmore

Attachments:

- Statement of Bidder's Qualifications (Page III-7)
- Special Provisions (Pages V-16, 76, and 98)
- Contract Plans (Sheets 4, 7, and 11)



BID DOCUMENTS

Muck Creek Mitigation Project - Bid No. 25-C3136

10. **Experience Working In Jurisdictional Waters**. Have you performed work below the ordinary high-water line of jurisdictional waters within the WDFW fish window on at least one project in which the work was a) substantially complete in the year 2015 or later, and b) had a Contract cost of at least \$250,000?

☐ Yes ☐ No

Addendum 1

If yes, documentation of experience will be required according to Special Provision 1-02.14.

By the signature below, Bidder confirms that all information provided is true and correct and agrees that the City shall retain the right to obtain any and all credit reports.

Signature_____

Title: _____

Date:_____

Print Name: _____

COMPANY NAME_____

SPECIAL PROVISIONS



6. Termination for Cause / Termination for Default

- A. Criterion: The Bidder shall not have had any public works Contract terminated for cause or terminated for default by a government agency in the five years prior to the Bid submittal date, unless there are extenuating circumstances and such circumstances are deemed acceptable to the Contracting Agency.
- B. Documentation: The Bidder, if and when required as detailed below, shall sign a statement (on a form to be provided by the Contracting Agency) that the Bidder has not had any public works Contract terminated for cause or terminated for default by a government agency in the five years prior to the Bid submittal date; or if Bidder was terminated, describe the circumstances.

7. Lawsuits

- A. Criterion: The Bidder shall not have lawsuits with judgments entered against the Bidder in the five years prior to the Bid submittal date that demonstrate a pattern of failing to meet the terms of Contracts, unless there are extenuating circumstances and such circumstances are deemed acceptable to the Contracting Agency.
- B. Documentation: The Bidder, if and when required as detailed below, shall sign a statement (on a form to be provided by the Contracting Agency) that the Bidder has not had any lawsuits with judgments entered against the Bidder in the five years prior to the Bid submittal date that demonstrate a pattern of failing to meet the terms of Contracts, or shall submit a list of all lawsuits with judgments entered against the Bidder in the five years prior to the Bid submittal date, along with a written explanation of the circumstances surrounding each such lawsuit. The Contracting Agency shall evaluate these explanations to determine whether the lawsuits demonstrate a pattern of failing to meet of terms of construction related Contracts.

8. Experience Working in Jurisdictional Waters

- A. Criterion: The Bidder must have performed work below the ordinary high-water line of jurisdictional waters within the WDFW fish window on at least one project in which the work was a) substantially complete in the year 2015 or later, and b) had a Contract cost of at least \$250,000.
- B. Documentation: The Bidder, if and when required as detailed below, shall submit the following information about the project(s) being submitted in compliance with the supplemental Bidder responsibility criteria: name of the project, location of the project, description of the scope of work performed by the Bidder, name and Contract information of the owner

SPECIAL PROVISIONS



held trimmers used by trained personnel may be allowed as approved by the Authorized Representative.

Trees identified for removal which will not be used as large woody material per Section 8-34, shall be reused on site as directed by the Engineer. If the Engineer does not identify a beneficial reuse on Site, removed trees shall be disposed of in accordance with the requirements of Section 2-01.3(3), or 2-01.3(2) if the trees do not meet the requirements for mulch listed in 9-14.5.

Clearing and Grubbing of Invasive Vegetation

Addendum 1

All woody invasive weeds and woody invasive ornamental vegetation shall be removed within the limit of work. Grub out plant crowns, root balls, and runners of all invasive weeds and invasive ornamental vegetation within the work limits. Woody material from invasive weeds and woody invasive ornamental vegetation shall not be used for deformable grade control structures.

Invasive weeds and woody invasive ornamental vegetation includes; Himalayan Blackberry, English Ivy, Atlantic Ivy, turf grasses and all weeds listed on the King County Noxious Weed List.

Tree Removal

Prior to initiating clearing and grubbing work, the Contractor shall obtain from the Engineer a written determination of which trees identified on the Contract Plans for removal shall instead be preserved in place, if any. The Engineer shall provide this determination following a risk assessment that shall consider, among other factors, the Contractor's advice regarding which trees warrant removal. The Contractor shall allow the Engineer five working days from the scheduled start of clearing and grubbing work to complete this assessment. If requested by the Engineer, the Contractor shall attend a meeting on Site with the Engineer to review potential tree removals. Upon completion of the assessment, and prior to commencement of clearing and grubbing, the Engineer shall flag any trees that will be removed. All trees which the Engineer verifies for removal shall be removed entirely, including complete removal of the tree, branches, stump, and root ball.

Addendum 1

Following removal of the root ball, underground roots shall be removed to the extent feasible to prevent regrowth and to facilitate grading as indicated on the Contract Plans. Limbs, branches and roots meeting the requirements stated in Section 8-32 may be used for deformable grade controls. All remaining debris resulting from the removal, including limbs, branches, and wood, shall be disposed of off-Site.

Douglas fir and red alder trees designated for removal shall be retained and used as log structures if they meet the requirements listed in Section 9-09.4.

SPECIAL PROVISIONS



8-02.3(17) Placing Compost Sock and Erosion Control Blanket

(*****)

NEW SECTION:

Compost Sock shall be placed as shown in the plans for floodplain slope stabilization.

The Contractor shall provide a copy of the manufacturer's recommended installation procedures to the Engineer prior to beginning installation.

Biodegradable erosion control blanket shall be placed on all stream side slopes as shown in the Plans for streambank stabilization. Biodegradable Erosion Control Blanket shall be made of coconut fibers enmeshed in a biodegradable double netting made of jute or approved equal. The Biodegradable Erosion Control Blanket and stakes must be 100% biodegradable. The blanket shall be specified for slopes as steep as 2:1 and shall have a minimum weight of 9 oz/sy. The blanket shall be installed and staked per the manufacturer's recommendations.

Addendum 1

The Contractor shall provide a copy of the manufacturer's recommended installation procedures to the Engineer prior to beginning installation.

8-02.4 Measurement

(*****)

SUPPLEMENT this section with the following:

Measurement for "Biodegradable Erosion Control Blanket" shall be per square yard.

Measurement for "Compost Sock" shall be per linear foot.

Measurement for the "Medium Compost" shall be per cubic yard.

Measurement for "Seeding and Mulching by Hand" shall be per square yard

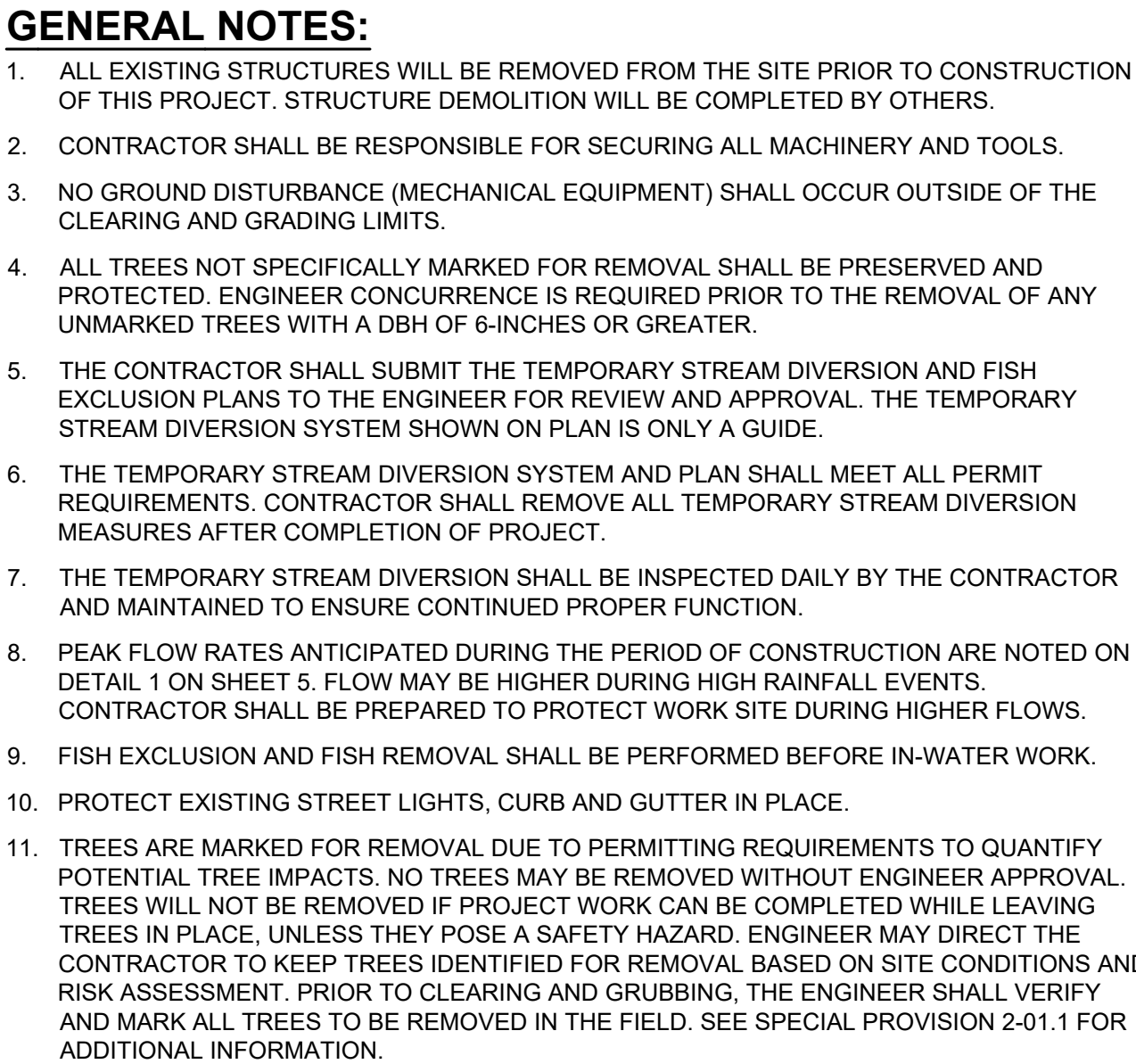
8-02.5 Payment

(*****)

SUPPLEMENT this section with the following:

Payment for "Biodegradable Erosion Control Blanket" shall be per square yard.

The unit contract price for "Biodegradable Erosion Control Blanket", including all incidental work, shall be full compensation for all labor, materials, tools and equipment necessary to satisfactorily complete the work as defined in the Standard Specifications, these Special Provisions, and the Plans.



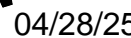
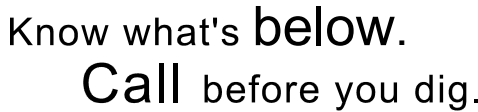
1. INSTALL PRIMARY PUMP AND BACKUP PUMP. PUMPS SHALL BE SIZED PER THE PROJECT SPECIFICATIONS.
2. INSTALL TEMPORARY STREAM DIVERSION PIPE. ADJUST LOCATION OF DIVERSION PIPE AS NEEDED TO PERFORM WORK. SEE DETAIL 1 ON SHEET 5.
3. INSTALL GRAVEL BAG BERM. SEE DETAIL 1 ON SHEET 5.
4. INSTALL TEMPORARY RIPRAP MAT TO PREVENT EROSION AT TEMPORARY STREAM DIVERSION OUTFALL. ALL RIPRAP SHALL BE REMOVED WHEN CONSTRUCTION IS COMPLETE. SEE DETAIL 1 ON SHEET 5.
5. INSTALL FISH SCREEN. SEE DETAIL 2 ON SHEET 5.
6. INSTALL SEDIMENT MAT. SEE DETAIL 5 ON SHEET 5
7. INSTALL FILTER BAG FOR SEDIMENT REMOVAL FROM ANY DEWATERING ACTIVITIES THAT MAY BE NECESSARY DURING CONSTRUCTION. SEE DETAIL 4 ON SHEET 5.
8. TURBIDITY MONITORING STATION. SEE CONTRACT SPECIFICATIONS FOR MONITORING REQUIREMENTS.

1. MAINTAIN EXISTING STREAM CHANNEL. INSTALL TURBIDITY MONITORING STATIONS AND TEMPORARY BERMS (1). (2). PERFORM ALL GRADING AND STREAM CHANNEL CONSTRUCTION BETWEEN THE BERMS WHILE FLOW REMAINS IN THE EXISTING AND UNDISTURBED CHANNEL.
2. INSTALL EASTERN STREAM DIVERSION (3) WITH ALL ITEMS INDICATED ON THIS SHEET AND PER TEMPORARY STREAM DIVERSION CONSTRUCTION NOTES. REMOVE BERM (1) AND PERFORM ALL GRADING AND STREAM CHANNEL CONSTRUCTION FOR THE PROJECT AREA IN EASTERN STREAM DIVERSION (3).
3. REMOVE EASTERN STREAM DIVERSION (3) INSTALL WESTERN STREAM DIVERSION (4) WITH ALL ITEMS INDICATED ON THIS SHEET AND PER TEMPORARY STREAM DIVERSION CONSTRUCTION NOTES. REMOVE BERM (2) AND PERFORM ALL GRADING AND STREAM CHANNEL CONSTRUCTION FOR THE REMAINING PROJECT AREA.
4. REMOVE WESTERN STREAM DIVERSION (4)

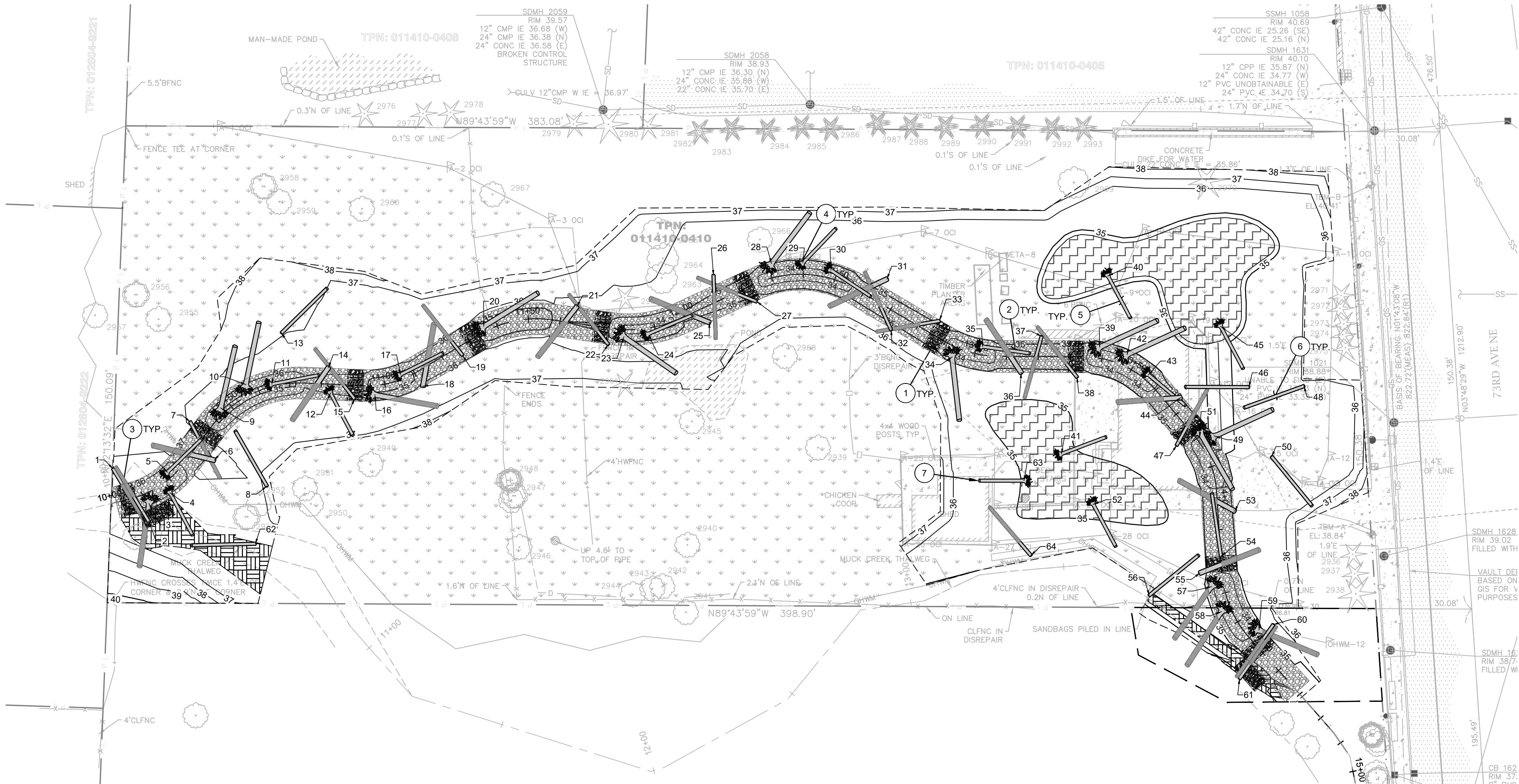
	FILTER BAG
	RIPRAP MAT
	PUMP
	TURBIDITY MONITORING STATION
	GRAVEL BAG
	FISH SCREEN
	REMOVE TREE (SEE NOTE 11)

1. REMOVE SANDBAGS ALONG EXISTING STREAM BANK. ONLY REMOVE SANDBAGS LOCATED WITHIN THE GRADING AREA.
2. REMOVE EXISTING FENCE. FOR ALL AREAS OUTSIDE OF THE GRADING LIMITS, FENCE MUST BE REMOVED BY HAND.
3. REMOVE REMAINING DEBRIS FROM SITE. APPROXIMATE AREAS WITH PILES OF DEBRIS ARE SHOWN ON THE PLANS, BUT ADDITIONAL ITEMS MAY BE SCATTERED THROUGHOUT THE PARCEL. ALL ANTHROPOGENIC DEBRIS SHALL BE REMOVED.

1. MARK PROJECT LIMITS AND INSTALL HIGH VISIBILITY SILT FENCE PER WSDOT STD PLAN I-30.17.01. CLEAR AND GRUB WITHIN GRADING EXTENTS AND FOR TEMPORARY CONSTRUCTION ENTRANCE (APPROX 3,670 SY IN TOTAL).
2. INSTALL STABILIZED CONSTRUCTION ENTRANCE PER KCSWDN SECTION D.2.1.4.1 (APPROX 33 SY). PROTECT EXISTING WATER METER AND STORM DRAIN.
3. PRESERVE AND PROTECT EXISTING TREE PER DETAIL 3 ON SHEET 5. SEE SHEET 2 FOR ADDITIONAL TREE PROTECTION NOTES. HIGH VISIBILITY FENCING INSTALLED ALONG THE CLEARING LIMITS MAY BE USED TO MEET THE FENCING REQUIREMENTS NOTED IN THE DETAIL.



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GENERAL NOTES:

- SEE SHEET 6 AND SHEET 8 FOR PROPOSED GRADING PLAN AND PROFILE.
- SEE SECTIONS A, B AND C ON SHEET 8 FOR TYPICAL CROSS SECTIONS.
- ALL DISTURBED AREAS SHALL BE RESTORED PER THE PLANTING PLAN ON SHEET 10.
- LOCATIONS AND ORIENTATIONS OF LOG PIECES AS SHOWN ON THIS SHEET ARE APPROXIMATE. LOG INSTALLATION WILL BE DIRECTED IN THE FIELD BY THE ENGINEER. SEE SPECIAL PROVISIONS SECTION 8-34.

KEY NOTES:

- DEFORMABLE GRADE CONTROL, SEE DETAIL 4 ON SHEET 9.
- STREAMBED SEDIMENT, PLACE PER SECTION A ON SHEET 8.
- CHANNEL SPANNING LOG POLE, PLACE PER DETAIL 1 ON SHEET 9.
- BANK BURIED ROOTWAD LOG, PLACE PER DETAIL 2 ON SHEET 9.
- ROOTWAD LOG PLACED IN FLOODPLAIN POND, PLACE PER DETAIL 3 ON SHEET 9.
- FLOODPLAIN BURIED LOG POLE, PLACE PER DETAIL 3 ON SHEET 9.
- FLOODPLAIN ROOTWAD LOG, PLACE PER DETAIL 1 ON SHEET 9.

LEGEND

- STREAMBED SEDIMENT
- DEPRESSION AREA
- FILL AREA
- DEFORMABLE GRADE CONTROL
- LARGE WOODY MATERIAL
- EXISTING CONTOURS
- PROPOSED CONTOURS
- PROPERTY LINE
- TEMPORARY CONSTRUCTION EASEMENT LIMITS

LOG TYPE SCHEDULE

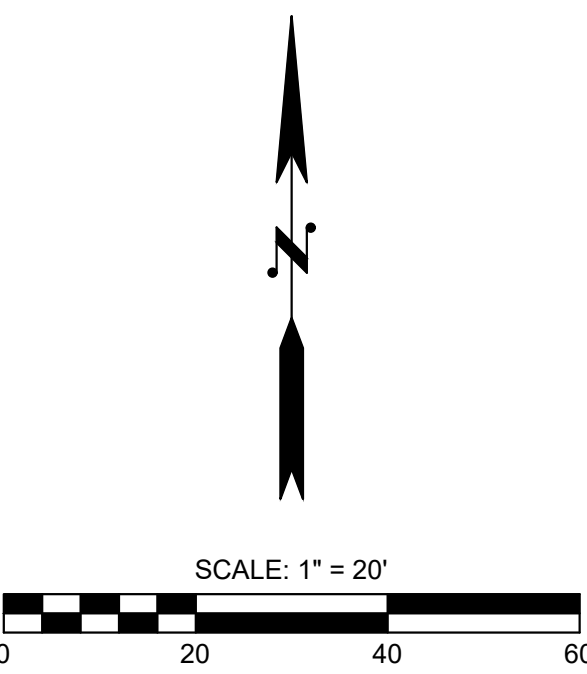
LOG TYPE	NUMBER OF LOGS
TYPE A - 20' LOG WITH ROOTWAD DBH 18"	15
TYPE B - 15' LOG WITH ROOTWAD DBH 12"	15
TYPE C - 20' LOG WITHOUT ROOTWAD DBH 18"	10
TYPE D - 20' LOG WITHOUT ROOTWAD DBH 12"	24
DEFORMABLE GRADE CONTROL SLASH (3-8" DBH 3-5")	26 CY

LARGE WOODY MATERIAL			
POINT #	DESCRIPTION	STATION	OFFSET
1	20' LOG WITHOUT ROOTWAD DBH 12", DETAIL 1	10+03.06	10.5
2	20' LOG WITHOUT ROOTWAD DBH 12", DETAIL 1	10+09.10	8.5
3	20' LOG WITH ROOTWAD DBH 18", DETAIL 2	10+10.89	3.3
4	15' LOG WITH ROOTWAD DBH 12", DETAIL 2	10+17.55	3.7
5	15' LOG WITH ROOTWAD DBH 12", DETAIL 2	10+20.91	1.9
6	20' LOG WITHOUT ROOTWAD DBH 18", DETAIL 1	10+33.21	7.1
7	20' LOG WITHOUT ROOTWAD DBH 12", DETAIL 1	10+38.29	6.2
8	20' LOG WITHOUT ROOTWAD DBH 12", DETAIL 3	10+36.56	25.2
9	20' LOG WITH ROOTWAD DBH 18", DETAIL 2	10+47.21	1.8
10	20' LOG WITH ROOTWAD DBH 18", DETAIL 2	10+57.19	3.4
11	15' LOG WITH ROOTWAD DBH 12", DETAIL 2	10+64.50	0.7
12	15' LOG WITH ROOTWAD DBH 12", DETAIL 2	10+82.98	2.8
13	20' LOG WITHOUT ROOTWAD DBH 12", DETAIL 3	10+69.26	16.1
14	20' LOG WITHOUT ROOTWAD DBH 18", DETAIL 1	10+81.98	5.2
15	20' LOG WITHOUT ROOTWAD DBH 12", DETAIL 1	10+90.61	4.3
16	20' LOG WITH ROOTWAD DBH 18", DETAIL 2	10+96.62	3.0

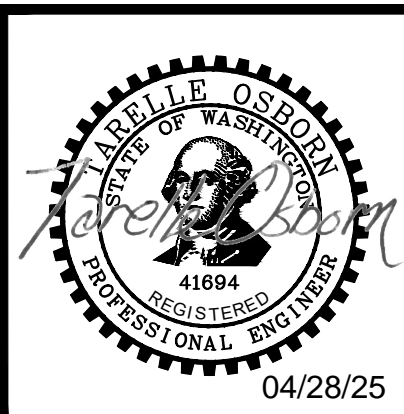
LARGE WOODY MATERIAL			
POINT #	DESCRIPTION	STATION	OFFSET
17	15' LOG WITH ROOTWAD DBH 12", DETAIL 2	11+05.69	1.5
18	20' LOG WITHOUT ROOTWAD DBH 18", DETAIL 1	11+10.20	4.8
19	20' LOG WITHOUT ROOTWAD DBH 12", DETAIL 1	11+25.80	2.8
20	20' LOG WITH ROOTWAD DBH 18", DETAIL 2	11+36.11	1.6
21	20' LOG WITHOUT ROOTWAD DBH 18", DETAIL 1	11+64.59	5.2
22	20' LOG WITHOUT ROOTWAD DBH 12", DETAIL 1	11+76.06	5.1
23	20' LOG WITH ROOTWAD DBH 18", DETAIL 2	11+80.34	2.3
24	15' LOG WITH ROOTWAD DBH 12", DETAIL 2	11+87.67	1.8
25	20' LOG WITHOUT ROOTWAD DBH 18", DETAIL 1	12+06.27	5.0
26	20' LOG WITHOUT ROOTWAD DBH 12", DETAIL 1	12+13.68	8.0
27	20' LOG WITHOUT ROOTWAD DBH 12", DETAIL 1	12+22.52	5.2
28	20' LOG WITH ROOTWAD DBH 18", DETAIL 2	12+30.93	4.5
29	15' LOG WITH ROOTWAD DBH 12", DETAIL 2	12+39.78	3.6
30	15' LOG WITH ROOTWAD DBH 12", DETAIL 2	12+48.12	2.5
31	20' LOG WITHOUT ROOTWAD DBH 18", DETAIL 1	12+64.14	7.7
32	20' LOG WITHOUT ROOTWAD DBH 12", DETAIL 1	12+73.39	5.4

LARGE WOODY MATERIAL			
POINT #	DESCRIPTION	STATION	OFFSET
33	20' LOG WITHOUT ROOTWAD DBH 12", DETAIL 1	12+85.04	4.9
34	20' LOG WITH ROOTWAD DBH 18", DETAIL 2	12+93.83	3.3
35	15' LOG WITH ROOTWAD DBH 12", DETAIL 2	13+02.04	2.6
36	20' LOG WITHOUT ROOTWAD DBH 18", DETAIL 1	13+14.67	5.1
37	20' LOG WITHOUT ROOTWAD DBH 12", DETAIL 1	13+21.02	6.3
38	20' LOG WITHOUT ROOTWAD DBH 12", DETAIL 1	13+32.21	6.4
39	20' LOG WITH ROOTWAD DBH 18", DETAIL 2	13+38.80	3.4
40	15' LOG WITH ROOTWAD DBH 12", DETAIL 3	13+38.34	26.0
41	15' LOG WITH ROOTWAD DBH 12", DETAIL 3	13+27.42	30.6
42	20' LOG WITH ROOTWAD DBH 18", DETAIL 2	13+46.83	3.6
43	15' LOG WITH ROOTWAD DBH 12", DETAIL 2	13+55.18	1.8
44	20' LOG WITHOUT ROOTWAD DBH 18", DETAIL 1	13+66.93	4.5
45	15' LOG WITH ROOTWAD DBH 12", DETAIL 3	13+59.08	28.5
46	20' LOG WITHOUT ROOTWAD DBH 12", DETAIL 3	13+78.16	23.0
47	20' LOG WITHOUT ROOTWAD DBH 12", DETAIL 1	13+77.55	6.2
48	20' LOG WITHOUT ROOTWAD DBH 12", DETAIL 3	13+83.40	37.2

LARGE WOODY MATERIAL			
POINT #	DESCRIPTION	STATION	OFFSET
49	20' LOG WITH ROOTWAD DBH 18", DETAIL 2	13+82.45	5.1
50	20' LOG WITHOUT ROOTWAD DBH 12", DETAIL 3	13+91.90	19.0
51	20' LOG WITH ROOTWAD DBH 18", DETAIL 2	13+80.25	1.0
52	15' LOG WITH ROOTWAD DBH 12", DETAIL 3	13+74.90	38.2
53	20' LOG WITHOUT ROOTWAD DBH 18", DETAIL 1	14+04.55	5.3
54	20' LOG WITHOUT ROOTWAD DBH 18", DETAIL 1	14+18.41	0.1
55	20' LOG WITHOUT ROOTWAD DBH 12", DETAIL 1	14+23.25	6.9
56	20' LOG WITHOUT ROOTWAD DBH 12", DETAIL 3	14+26.83	23.6
57	20' LOG WITH ROOTWAD DBH 18", DETAIL 2	14+27.34	3.8
58	20' LOG WITH ROOTWAD DBH 18", DETAIL 2	14+35.04	3.1
59	20' LOG WITH ROOTWAD DBH 18", DETAIL 2	14+46.43	3.9
60	20' LOG WITHOUT ROOTWAD DBH 12", DETAIL 1	14+48.18	8.4
61	20' LOG WITHOUT ROOTWAD DBH 12", DETAIL 1	14+53.72	10.8
62	20' LOG WITHOUT ROOTWAD DBH 12", DETAIL 3	10+23.44	33.5
63	15' LOG WITH ROOTWAD DBH 12", DETAIL 3	13+15.68	39.0
64	20' LOG WITHOUT ROOTWAD DBH 12", DETAIL 3	14+14.22	59.6



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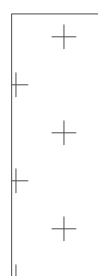

NO.	DATE	REVISION	BY



CITY OF KENMORE
DEPARTMENT OF PUBLIC WORKS
18120 68TH AVE NE
KENMORE, WA 98028

MUCK CREEK MITIGATION
18727 73RD AVE NE
STREAM PLAN

JOB# / DWG	10-230113	DATE	04/25/2025
SCALE	H: 1"=20' V: N/A	SHEET	7 of 13

Planting Group	Layer	Scientific Name	Common Name	Wetland Indicator	Container Type	Planting Group Area	Distribution Rate	Qty	Spacing	Notes
						(SF)	(%)	Ea.	(Inches/ FT)	
Riparian Upland 	TREE	<i>Pseudotsuga mezesii</i>	Douglas Fir	FACU	#2 CONT.	3,832	12	4	8' O.C.	PLANT SPECIES IN GROUPS OF 3-5
	TREE	<i>Picea Sitchensis</i>	Sitka Spruce	FAC	#2 CONT.		3	1	8' O.C.	PLANT SPECIES IN GROUPS OF 3-5
	TREE	<i>Tsuga heterophylla</i>	Western Hemlock	FACU	#2 CONT.		5	1	8' O.C.	PLANT SPECIES IN GROUPS OF 3-5
	TREE	<i>Acer circinatum</i>	Vine Maple	FACU	#2 CONT.		10	3	8' O.C.	PLANT SPECIES IN GROUPS OF 3-5
	SHRUB	<i>Corylus cornuta</i>	Beaked hazelnut	FACU	#1 CONT.		10	18	48" O.C.	PLANT SPECIES IN GROUPS OF 3-5
	SHRUB	<i>Sambucus racemosa</i>	Red elderberry	FACU	#1 CONT.		10	18	48" O.C.	PLANT SPECIES IN GROUPS OF 3-5
	SHRUB	<i>Symphoricarpos albus</i>	Snowberry	FACU	#1 CONT.		20	39	48" O.C.	PLANT SPECIES IN GROUPS OF 3-5
	GROUND COVER	<i>Polystichum munitum</i>	Western Sword Fern	FACU	#1 CONT.		30	68	48" O.C.	PLANT SPECIES IN GROUPS OF 5-7
	SEED MIX #1, SEE TABLE									
	Wetland and Riparian Buffer 	TREE	<i>Thuja plicata</i>	Western Red Cedar	FAC		#2 CONT.	20,241	17	51
TREE		<i>Populus Balsamifera</i>	Black Cottonwood	FAC	#2 CONT.	3	8		8' O.C.	PLANT SPECIES IN GROUPS OF 3-5
TREE		<i>Prunus emarginata</i>	Bitter Cherry	FACU	#2 CONT.	3	8		8' O.C.	PLANT SPECIES IN GROUPS OF 3-5
TREE		<i>Alnus Rubra</i>	Red Alder	FAC	#2 CONT.	2	3		8' O.C.	PLANT SPECIES IN GROUPS OF 3-5
SHRUB		<i>Rosa pisocarpa</i>	Swamp Rose	FAC	#1 CONT.	20	261		48" O.C.	PLANT SPECIES IN GROUPS OF 3-5
SHRUB		<i>Physocarpus capitatus</i>	Pacific Ninebark	FACW	#1 CONT.	10	126		48" O.C.	PLANT SPECIES IN GROUPS OF 3-5
SHRUB		<i>Rhamnus purshiana</i>	Cascara	FAC	#1 CONT.	10	127		48" O.C.	PLANT SPECIES IN GROUPS OF 3-5
GROUND COVER		<i>Athyrium filix-femina</i>	Lady Fern	FAC	#1 CONT.	15	188		48" O.C.	PLANT SPECIES IN GROUPS OF 3-5
GROUND COVER		<i>Juncus effusus</i>	Soft Rush	FACW	Plug	20	1,098		24" O.C.	PLANT SPECIES IN GROUPS OF 3-5
SEED MIX #1, SEE TABLE										
Wetland Planting 		SHRUB	<i>Cornus stolonifera</i>	Red-osier dogwood	FACW	Livestake	5,230		20	114
	SHRUB	<i>Salix lasisandra</i>	Pacific willow	FACW	Livestake	5		27	36" O.C.	PLANT SPECIES IN GROUPS OF 3-5
	SHRUB	<i>Rubus spectabilis</i>	Salmonberry	FAC	Livestake	10		52	36" O.C.	PLANT SPECIES IN GROUPS OF 3-5
	GROUND COVER	<i>Scirpus microcarpus</i>	Small Flowered Bulrush	OBL	Plug	15		216	24" O.C.	PLANT SPECIES IN GROUPS OF 5-7
	GROUND COVER	<i>Eleocharis palustris</i>	Creeping Spikerush	OBL	Plug	15		216	24" O.C.	PLANT SPECIES IN GROUPS OF 5-7
	GROUND COVER	<i>Carex obnupta</i>	Slough Sedge	OBL	Plug	20		279	24" O.C.	PLANT SPECIES IN GROUPS OF 5-7
	GROUND COVER	<i>Lysichiton americanus</i>	Skunk Cabbage	OBL	Plug	15		216	24" O.C.	PLANT SPECIES IN GROUPS OF 5-7
	SEED MIX #2, SEE TABLE									
	Streamside Planting 	SHRUB	<i>Salix hookeriana</i>	Hooker's willow	FACW	Livestake		1,891	15	37
SHRUB		<i>Cornus stolonifera</i>	Red-osier dogwood	FACW	Livestake	35	86		36" O.C.	PLANT SPECIES IN GROUPS OF 3-5
SHRUB		<i>Alnus Rubra</i>	Red Alder	FAC	Livestake	25	61		36" O.C.	PLANT SPECIES IN GROUPS OF 3-5
SHRUB		<i>Salix sitchensis</i>	Sitka willow	FAC	Livestake	10	25		36" O.C.	PLANT SPECIES IN GROUPS OF 3-5
SHRUB		<i>Populus Balsamifera</i>	Black Cottonwood	FAC	Livestake	15	37		36" O.C.	PLANT SPECIES IN GROUPS OF 3-5
SEED MIX #2, SEE TABLE										

WETLAND INDICATOR ABBREVIATIONS:
FAC = FACULTATIVE PLANT
FACU = FACULTATIVE UPLAND PLANT
FACW = FACULTATIVE WETLAND PLANT

SEEDING GROUP	SCIENTIFIC NAME	COMMON NAME	DISTRIBUTION RATE	SEEDING RATE	PLANTING AREA
			(%)	(lbs/acre)	(ft)
SEED MIX #1	<i>Deschampsia cespitosa</i>	Tufted hairgrass	35	60	28763
	<i>Agrostis exarata</i>	Spike Bentgrass	30		
	<i>Anaphalis margaritacea</i>	Pearly Everlasting	5		
	<i>Carex pachystachya</i>	Chamisso Sedge	30		
SEED MIX #2	<i>Eleocharis palustris</i>	Creeping spike-rush	30	60	5882
	<i>Carex obnupta</i>	Slough Sedge	35		
	<i>Sagittaria latifolia</i>	Wapato	10		
	<i>Scirpus microcarpus</i>	Small Fruited Bulrush	25		

FOR PERMITTING PURPOSES ONLY, REFER TO PLANT
SCHEDULE FOR REQUIRED NUMBER OF TREES

TREES UNITS REQUIRED	1.3 ACRES = 40 TREE UNITS
TREE UNITS REMAINING ON SITE	28.7
TREE UNITS NEEDED	11.3
#2 SIZE CONIFERS @ 2 TREE UNITS EA.	57 TREES = 11.4 TREE UNITS
#2 DECIDUOUS @ 1 TREE UNITS EA.	22 TREES = 2.2 TREE UNITS
TOTAL TREE UNITS PROVIDED	13.6 TREE UNITS


SOIL PREPARATION AND PLANTING NOTES:

- PRE-CONSTRUCTION MEETING REQUIRED PRIOR TO COMMENCEMENT OF PLANTING OPERATIONS TO REVIEW CONDITIONS AND IDENTIFY COORDINATION REQUIREMENTS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARITY WITH ALL UNDERGROUND UTILITIES, PIPES AND STRUCTURES. CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR ANY COST INCURRED DUE TO DAMAGE OF SAID UTILITIES. VERIFY ALL UTILITY LOCATIONS, PADS, AND APPURTENANCES PRIOR TO PLANTING ACTIVITY. DO NOT BLOCK ACCESS TO UTILITY STRUCTURES. IDENTIFY DISCREPANCIES IMMEDIATELY TO CITY OF KENMORE.
3. ESTABLISH SUB-GRADE ELEVATIONS THAT WILL ACCOMMODATE FULL PLANTING SOIL DEPTHS SHOWN IN SPECIFICATIONS. ACCOMMODATE DEPTHS TO ALLOW FOR COMPOST ADDED FOR SUBGRADE PREPARATION AND SUBGRADE OPERATIONS.
4. SUB-GRADE PREPARATION FOR ALL PLANTING AND SEEDED AREAS SHALL BE AS FOLLOWS:
 - A. RIP SUB-GRADE TO A DEPTH OF 12" AND INSTALL TOPSOIL TYPE B PER THE SPECIFICATIONS.
 - B. REMOVE COBBLES, CONCRETE, ASPHALT AND OTHER DEBRIS OVER 1" IN DIA.
 - C. TILL IN 6 INCHES OF ORGANIC COMPOST INTO THE SUB-GRADE TO A DEPTH OF TWELVE (12) INCHES. TILLING THE COMPOST INTO THE SOIL SHALL BE ACCOMPLISHED BY TILLING IT TWICE, THE SECOND TIME PERPENDICULAR TO THE FIRST.
5. ALL PLANT MATERIAL TO MEET CONDITION REQUIREMENTS ESTABLISHED IN WSDOT SPEC SECTION 8-02.3(9)A. ALL PLANTS SHALL BE PLANTED DURING THE PLANTING WINDOW FOR WESTERN WASHINGTON, OCTOBER 1 THROUGH MARCH 1 FOR NON-IRRIGATED PLANTS.
6. ALL PLANT MATERIAL SHALL BE NURSERY GROWN (NOT FIELD COLLECTED), CONTAINERIZED OR CUTTINGS. PROVIDE ONLY SOUND, HEALTHY, VIGOROUS PLANTS, FREE OF DEFECTS, DISEASE, AND ALL FORMS OF INFESTATION. MEASUREMENTS, CALIPER, BRANCHING, GRADING QUALITY, BALLING AND BURLAPPING PLANT MATERIAL SHALL CONFORM TO MINIMUM STANDARDS OF ANSI Z60.1, LATEST EDITION.
7. ALL CONTAINER GROWN NURSERY STOCK SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED, AND ESTABLISHED IN THE CONTAINER IN WHICH IT IS GROWING. CONTAINER GROWN NURSERY STOCK SHALL HAVE A WELL-ESTABLISHED ROOT SYSTEM REACHING THE SIDES OF THE CONTAINER TO MAINTAIN A FIRM BALL WHEN THE CONTAINER IS REMOVED, BUT SHALL NOT HAVE EXCESSIVE ROOT GROWTH ENCIRCLING THE INSIDE OF THE CONTAINER.
8. PRIOR TO INSTALLATION, ALL PLANT MATERIAL PROPOSED FOR USE ON THE PROJECT SHALL BE APPROVED BY THE ENGINEER AT THE TIME OF DELIVERY TO THE SITE FOR CONFORMANCE WITH THE REQUIREMENTS OF THE PLANT SCHEDULE, PLANT SPECIFICATIONS, AND STORAGE AND HANDLING REQUIREMENTS. CONTRACTOR IS TO PROVIDE A MINIMUM OF TWO WEEKS NOTICE PRIOR TO DELIVERY TO THE ENGINEER.
9. LAYOUT OF PLANTING AREAS AND PLACEMENT OF TREES, SHRUBS, GROUNDCOVERS, SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION. TREES SHALL BE PLACED FIRST, THEN SHRUBS, AND THEN GROUNDCOVERS. TREES SHALL BE STAKED PER DETAILS WITHIN 24 HOURS OF INSTALLATION.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL COMPLETE PLANT COUNTS TO COVER AREAS AT THE SPECIFIED SPACING.
11. DURING INSTALLATION NOTIFY THE CITY OF KENMORE OF ANY CONDITIONS THAT MAY BE HARMFUL TO PLANT LIFE SUCH AS; POOR DRAINAGE, HAZARDOUS MATERIALS, ETC. MAKE RECOMMENDATIONS TO ADDRESS THE SPECIFIC SITUATION IMMEDIATELY TO THE CITY OF KENMORE.
12. UPON COMPLETION OF PLANT INSTALLATION, APPLY MEDIUM COMPOST PER WSDOT SPEC 9-14.5(8) AS MULCH TO ALL PLANTING BEDS INCLUDING WETLAND AREAS, AND TREE PITS. TREE AND SHRUB AREAS SHALL RECEIVE THREE (3) INCHES OF MULCH. FINELY GRADE MULCH AWAY FROM TREE TRUNKS AND SHRUB STEMS. DO NOT PLACE MULCH DIRECTLY AGAINST TREE TRUNKS OR STEMS. MATCH FINISH SURFACE OF MULCH WITH ADJACENT FINISH GRADES. SEE NOTE BELOW FOR REQUIREMENTS FOR SECOND MULCH APPLICATION.
13. FINISH GRADE (TOP OF MULCH) IN PLANTING BEDS AND FINISH GRADE OF TURF SHALL BE 1/2" BELOW TOP OF HEADER, WALL, CURB, OR FINISHED SURFACE OF ADJACENT WALK OR PAVED AREAS.
14. ALL AREAS OF BARE SOIL, OR AREAS IMPACTED BY VEHICULAR USE OF ANY KIND, OR STORAGE OF MATERIALS OUTSIDE OF THE CLEARING LIMITS SHALL RECEIVE FULL SUBGRADE PREPARATION, INCLUDING COMPOST AMENDMENTS AND SHALL RE-ESTABLISH FINAL DESIGN CONDITION AND SHALL BE AT CONTRACTOR'S COST.
15. THE CONTRACTOR SHALL BEGIN MAINTENANCE IMMEDIATELY FOLLOWING INSTALLATION. THE CONTRACTOR SHALL MAINTAIN THE PLANTED AREAS FOR THE LENGTH OF TIME SPECIFIED IN PLANTS SPECIFICATIONS SECTION AFTER ACHIEVING COMPLETION OF PLANTING.
16. PLANT ESTABLISHMENT PROCEDURES SHALL INCLUDE WATERING, PROTECTION FROM INSECTS OR DISEASE, WEEDING, PRUNING, MOWING, AND OTHER ACTIVITIES AS MAY BE REQUIRED AND AS IDENTIFIED IN SECTION 8-02.3(13) AND OTHER RELATED SECTIONS. CONTRACTOR SHALL IMMEDIATELY REPLACE ANY PLANT MATERIALS THAT ARE NOT VIGOROUS OR TYPICAL OF SIZE AND SPECIES. TREE STAKES SHALL BE KEPT SECURE AT ALL TIMES. DEFECTIVE MATERIALS AS DETERMINED BY THE ENGINEER SHALL BE REPLACED IMMEDIATELY WITH PLANT MATERIALS OF THE SAME SPECIES AT A SIZE TO MATCH EXISTING ADJACENT MATERIALS.
17. UPON COMPLETION OF THE PLANT ESTABLISHMENT PERIOD, APPLY MEDIUM COMPOST PER WSDOT SPEC 9-14.5(8) TO ALL PLANTED AREAS AND REMOVE ALL TREE STAKES 14 DAYS PRIOR TO END OF ONE YEAR WARRANTY PERIOD.
18. UPON COMPLETION OF THE WARRANTY PERIOD, THE CONTRACTOR SHALL SUBMIT A WRITTEN REQUEST FOR FINAL INSPECTION TO THE CITY OF KENMORE. AN INSPECTION SHALL BE CONDUCTED WITH THE ENGINEER AND THE CONTRACTOR PRESENT, AND FOLLOWING REPLACEMENT OR REPAIR OF DEFICIENT ITEMS NOTED IN THE INSPECTION. A NOTIFICATION OF ACCEPTANCE OF ALL WORK SHALL BE ISSUED BY THE ENGINEER TO THE CONTRACTOR.

SEEDING NOTES:

1. THE GRASS SEED MIX SHALL MEET OR EXCEED THE FOLLOWING:
 - A) MINIMUM PURE SEED PERCENT: 98 PERCENT
 - B) MINIMUM GERMINATION PERCENT: 85 PERCENT
 - C) MAXIMUM WEED SEED PERCENT: 0.5 PERCENT
2. HAND BROADCAST SEED TO BE USED SHALL MEET THE REQUIREMENTS OF 9-14.3 OF THE WSDOT STANDARD SPECIFICATIONS. SEED SHALL BE PACKED IN CLEAN, SOUND CONTAINERS OF UNIFORM WEIGHT.



DESIGNED BY SO	Osborn Consulting	www.osbornconsulting.com						CITY OF KENMORE DEPARTMENT OF PUBLIC WORKS 18120 68TH AVE NE KENMORE, WA 98028	MUCK CREEK MITIGATION 18727 73RD AVE NE VEGETATION SCHEDULE	JOB# / DWG 10-230113	DATE 04/25/2025
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