



City of Ketchum

CITY COUNCIL MEETING AGENDA MEMO

Meeting Date: Staff Member/Dept:

Agenda Item:

Recommended Motion:

Recommendation to approve Purchase Order 25071 for the direct purchase of plantings for Warm Springs Preserve Restoration.

Reasons for Recommendation:

- The long lead time and nursery allocation requirement of this portion of restoration plants requires us to direct purchase these cancellation ahead of time if we want to have them planted in Fall 2025
- Direct purchase saves significantly on cost by cutting out a margin from the future installer of these plants
- A semi-formal bid method was utilized where staff sent request for quote to 4 suppliers. North Fork Natives was the lowest cost and most complete supply of materials
- Supplier has stated that we will need to place a non-refundable but highly discounted deposit of \$58,500 for the materials but ensures they will work with us a best they can in the case of project cancelation.

Policy Analysis and Background (non-consent items only):

Sustainability Impact:

No direct impact.

Financial Impact:

None OR Adequate funds exist in account:	Adequate funds to cover all this material exist via a reimbursement from Wood River Land Trust and is directly tied to their approved federal grant award
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Attachments:

1. North Fork Native Plants Scope of Work Contract
2. Purchase order 25071
3. Plantings schedule from project drawing sheets



SOW 01 for Agreement to Grow and Provide Plant Materials to the City of Ketchum Idaho for Warm Springs Preserve Restoration

Date	Services Performed By:	Services Performed For:
January 26, 2025	North Fork Native Plants 1499 S 6000 W Rexburg, ID 83440	City of Ketchum P.O. Box 2315 Ketchum, ID 83340

This Statement of Work (SOW) is issued between City of Ketchum (“Client”) and North Fork Native Plants (“Vendor”) and is subject to the terms and conditions outlined in the attached Purchase Terms and Conditions. This SOW outlines the plant materials that the Vendor will supply for the Warm Springs Preserve Restoration project.

Recognizing that certain aspects of the project are still in revision, a preliminary and draft delivery schedule is included in the Cost Estimate.

Description of Work:

We will work with the Client, design team and other collaborators to produce and deliver the most appropriate plant species and formats for restoring the Warm Springs Preserve project. Plant formats will include a combination of plant material types and sizes as detailed in the Cost Estimate. Delivery of materials will be structured to meet variable construction schedules to the greatest extent possible so that plants can be installed at the most appropriate times.

Period of Performance

The Services shall commence following the execution of this agreement and shall continue through project completion. We estimate product deliveries starting in summer 2025 and culminating by fall of 2026. Delays caused by client or their contractors, government officials, weather or other Acts of God, may extend the completion timeline. In the event of excessive delays, Client shall incur additional costs associated with care and maintenance of plant materials or the reproduction of certain species and plant formats. Penalties and fees associated with delays are outlined in the attached Purchase Terms and Conditions.

Fee Schedule

This engagement will be conducted on a fixed rate contract. To secure the adequate grow space, up front materials and maintenance labor, A deposit of 30% will be required for stock materials and 50% for custom materials due at the signing of this agreement. The total deposit due will be Fifty-eight thousand and five hundred dollars (\$58,500). Custom and stock materials are outlined in the Cost Estimate.

Upon completion of this Performance Period, Vendor and Client will have the option to renew this agreement for an additional then-stated number of plants at the then-current pricing for future project phases identified.

Invoicing Schedule

Other than the initial deposit, invoices will be submitted with every plant delivery.

Completion Criteria

Vendor shall have fulfilled its obligations when any one of the following first occurs:

- Vendor delivers all plant materials as outlined within this SOW and Client accepts such materials without unreasonable objections.
- Vendor and/or Client have the right to adjust or cancel portions of this order not yet provided with [20] business days advance written notice to the other party. Penalties will be assessed for items cancelled as outlined in Appendix X

Assumptions

A list of assumptions is listed in the cost estimate included here as **Exhibit B**

Project Change Order Procedure

The following process will be followed if a change to this SOW is required:

- A project Change Order (CO) will be the vehicle for communicating change. The CO will be written by the Vendor, describe the change, the rationale for the change, and the effect the change will have on the price and schedule.
- The Client will review the proposed change and approve it or reject it. If the change is authorized, the Client will sign the CO, which will constitute approval for the changes. Vendor will invoice Client for any such charges associated with the CO.
- A written Change Order must be signed by both parties to authorize implementation of the changes.

IN WITNESS WHEREOF, the parties hereto have caused this SOW to be effective as of the day, month and year first written above.

City of Ketchum

North Fork Native Plants

By: _____
Name:
Title:

By: _____
Name: Jeffrey Klausmann
Title: Owner

EXHIBIT A

Purchase Terms and Conditions

1. **Ordering** - The availability of specific species, sizes and quantities may vary. We do our best to keep our availability up to date, but it can change quickly. Please do not hesitate to confirm availability before placing orders. Custom growing services are also available. Orders may be placed by phone or email. Availability lists reflect wholesale pricing. A minimum order may be required. Sales tax may apply. Please contact Rebecca Wright at (208) 354.3691 ext.701 for any questions.
2. **Deposits** - for orders over \$1,000, a 30% Deposit is required to reserve stock plant material. For custom growing, a 50% Deposit is required to reserve production space and initiate growing. Deposits are NON-REFUNDABLE unless otherwise agreed upon with NFNP in writing (see 8. Special Conditions)
3. **Payment** - We accept check, ACH and Credit Cards as acceptable forms of payment. Payment for deposit is due upon execution of this agreement. Payment balances are due in full within 30 days of product delivery, unless other terms have been approved with NFNP. Service fees will apply to overdue accounts. Please note all Credit Card payments come with a 3.65% fee.
4. **Warranty** - NFNP guarantees our products are alive and in healthy condition upon delivery or pick up. Every effort has been made to ensure our plants are free of damage, defect, disease or pest and all plants are labeled true to species. We do not warranty plant survival after buyer assumes possession but make every effort to advise buyer upon purchase of proper growing conditions and care to ensure revegetation success. NFNP cannot accept responsibility for plant losses related to project design. Losses generally occur because of design errors resulting in incorrect hydrology. It shall be the owner's responsibility to correct or mitigate for errors in hydrologic design that result in poor plant performance or loss. Supplemental irrigation or pumping may be temporarily necessary to ensure plant survival and performance. All costs associated with providing hydrologic mitigations shall be at the owners expense.
5. **Order Discrepancy** - Any discrepancies pertaining to the condition, size or quantity of any delivery must be received within 24 hours of receipt of plant material. NFNP will make every effort to replace or refund any verified order discrepancies.
6. **Cancellation/Delay** - Orders canceled or delayed less than 72 hours before their scheduled shipment from our facility shall be subject to additional fees for restocking, handling and maintenance. Orders delayed past the active growing season shall also be subject to overwintering fees. For Custom grown material, NFNP does not assume risk for any overwinter loss that occurs. NFNP will make every effort to ensure all plant material is properly stored and maintained during the winter months. Any clients that reduce their

order quantity (partial cancellation) will forfeit the respective amount of deposit. Fully cancelled orders will forfeit all of the deposit unless special conditions apply. In no way should this policy be viewed as a penalty to our customers as it is only designed to cover our labor costs of growing and maintaining the plants until they are shipped or picked up for your project.

7. **Shipping** - Depending on order quantity and product size plant products are either delivered by NFNP equipment, Semi truck flatbed trailers or box shipments. Once NFNP has dropped off your box shipment with the third-party shipping company (FedEx or UPS), it then becomes the customers responsibility to communicate with the shipping company regarding any delivery issues. All Semi truck shipping is done via third party shipping companies. Shipping costs are subject to change. Unless otherwise stated, delivery cost is NOT included in the unit prices. NFNP is not responsible for unloading the plants from the delivery truck. Additional fees will be added if the customer has arranged for NFNP to unload the plants upon delivery.
8. **Special Conditions** – NFNP recognizes that WSP project timelines and final work scopes remain fluid and are subject to change (because of budget shortfalls) up until March 31,2025. In the event project scope changes involve reductions in plant materials secured under this contract, NFNP will work with the Client to minimize penalties and fees for stock items that can be brought back into general inventory and resold. These items generally include standard stock wetland sod mixes except for bulrush mixes, which will be custom grown for this project, stock herbaceous wetland plant 10 ci containers, and certain stock woody plant materials, where a new purchaser can be identified. Items not covered under this provision include custom formats and species not normally stocked in general inventory. Additionally, NFNP will waive penalties and fees for plant materials scheduled for 2026 delivery up until October 31,2025 if these items are cancelled in writing prior to that date. If project is cancelled in its entirety prior to March 31, 2025, discounted total penalties shall be \$33,325.00.

EXHIBIT B

COST ESTIMATE

TREES AND SHRUBS

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	TYPE	UN \$	TOT \$	AVAIL.	NOTES
	15	<i>Populus angustifolia</i>	Narrowleaf Cottonwood	#5	Container	\$29.00	\$435.00	2025	Sourced from local genetics
PC	21	<i>Populus trichocarpa</i>	Black Cottonwood	#5	Container	\$29.00	\$609.00	2025	Sourced from local genetics
SA	34	<i>Salix sp. (Shrub clump forming)</i>	Native Willows	#15	Container	\$110.00	\$3,740.00	2026	Sourced from local genetics
SI	48	<i>Salix sp. (Tree forming)</i>	Native Willows	#15	Container	\$110.00	\$5,280.00	2026	Sourced from local genetics
SAA	15	<i>Amelanchier alnifolia</i>	Serviceberry	#5	Container	\$26.00	\$390.00	2025	
SAI	2	<i>Alnus incana</i>	Thin-leaf Alder	#5	Container	\$26.00	\$52.00	2025	or <i>Alnus incana subsp. tenuifolia</i>
SCS	14	<i>Cornus sericea</i>	Red Twig Dogwood	#5	Container	\$29.00	\$406.00	2025	Sourced from local genetics
	20	<i>Ericameria nauseosa</i>	Rubber Rabbitbrush	#1	Container	\$9.00	\$180.00	2026	
SPV	2	<i>Prunus virginiana</i>	Chokecherry	#5	Container	\$26.00	\$52.00	2025	
SRG	11	<i>Ribes aureum</i>	Golden Currant	#5	Container	\$26.00	\$286.00	2025	
SRT	3	<i>Rhus trilobata</i>	Skunkbush Sumac	#5	Container	\$26.00	\$78.00	2025	
SRW	10	<i>Rosa woodsii</i>	Mountain Rose	#5	Container	\$26.00	\$260.00	2025	
SSB	30	<i>Salix sp. (Shrub clump forming)</i>	Native Willows	#5	Container	\$29.00	\$870.00	2025	Sourced from local genetics
SSL	3	<i>Salix sp. (Shrub clump forming)</i>	Native Willows	#5	Container	\$29.00	\$87.00	2025	Sourced from local genetics
SSP	3	<i>Symphoricarpos sp.</i>	Snowberry	#5	Container	\$26.00	\$78.00	2025	
SSX	53	<i>Salix exigua</i>	Coyote Willow	#5	Container	\$29.00	\$1,537.00	2025	Sourced from local genetics

PLANT MIXES

Plant Mix A - Upland Meadow

	4180	<i>Artemisia tridentata var. vaseyana</i>	Mountain Big Sagebrush	10 ci	Tube Seedling	\$1.74	\$7,273.20	2026	Sourced from local genetics
	1250	<i>Chrysothamnus viscidiflorus</i>	Douglas Rabbitbrush	10 ci	Tube Seedling	\$1.74	\$2,175.00	2026	Sourced from local genetics
	1250	<i>Ericameria nauseosa</i>	Rubber Rabbitbrush	10 ci	Tube Seedling	\$1.74	\$2,175.00	2026	Sourced from local genetics

	1670	<i>Purshia tridentata</i>	Antelope Bitterbrush	10 ci	Tube Seedling	\$1.74	\$2,905.80	2026	Sourced from local genetics
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Plant Mix B - Xeric (Dry) Floodplain

	90	<i>Amelanchier alnifolia</i>	Western Serviceberry	#5	Container	\$26.00	\$2,340.00	2025	
	1775	<i>Artemisia tridentata</i>	Big Sagebrush	10 ci	Tube Seedling	\$1.74	\$3,088.50	2026	Sourced from local genetics
	530	<i>Chrysothamnus viscidiflorus</i>	Douglas Rabbitbrush	10 ci	Tube Seedling	\$1.74	\$922.20	2026	Sourced from local genetics
	530	<i>Ericameria nauseosa</i>	Rubber Rabbitbrush	10 ci	Tube Seedling	\$1.74	\$922.20	2026	Sourced from local genetics
	90	<i>Prunus virginiana</i>	Chokecherry	#5	Container	\$26.00	\$2,340.00	2025	
	355	<i>Purshia tridentata</i>	Antelope Bitterbrush	10 ci	Tube Seedling	\$1.74	\$617.70	2026	Sourced from local genetics
	175	<i>Rosa woodsii</i>	Wood's Rose	#5	Container	\$26.00	\$4,550.00	2025	

Plant Mix C - Mesic (Wet) Floodplain

	55	<i>Populus angustifolia</i>	Narrow-leaf Cottonwood	#5	Container	\$29.00	\$1,595.00	2025	Sourced from local genetics
	12	<i>Populus tremuloides</i>	Quaking Aspen	#5	Container	\$26.00	\$312.00	2025	
	55	<i>Populus trichocarpa</i>	Black Cottonwood	#5	Container	\$29.00	\$1,595.00	2025	Sourced from local genetics
	25	<i>Alnus incana</i>	Thin-leaf Alder	#5	Container	\$26.00	\$650.00	2025	
	25	<i>Betula occidentalis</i>	Water Birch	#5	Container	\$29.00	\$725.00	2025	Sourced from local genetics
	150	<i>Ribes aureum</i>	Golden Currant	#5	Container	\$26.00	\$3,900.00	2025	
	150	<i>Rosa woodsii</i>	Wood's Rose	#5	Container	\$26.00	\$3,900.00	2025	
	90	<i>Symphoricarpos sp.</i>	Snowberry	#5	Container	\$26.00	\$2,340.00	2025	

Plant Mix D - Near Stream Riparian

	50	<i>Populus angustifolia</i>	Narrow-leaf Cottonwood	#5	Container	\$29.00	\$1,450.00	2025	Sourced from local genetics
	50	<i>Populus trichocarpa</i>	Black Cottonwood	#5	Container	\$29.00	\$1,450.00	2025	Sourced from local genetics
	30	<i>Salix species (Tree or Clump Form)</i>	Native Willow Species	#5	Container	\$29.00	\$870.00	2025	Sourced from local genetics
	110	<i>Cornus sericea</i>	Redosier Dogwood	#5	Container	\$29.00	\$3,190.00	2025	Sourced from local genetics
	110	<i>Salix exigua</i>	Coyote Willow	#5	Container	\$29.00	\$3,190.00	2025	Sourced from local genetics
	220	<i>Salix species (Multistem Shrub Form)</i>	Native Willow Species	#5	Container	\$29.00	\$6,380.00	2025	Sourced from local genetics

Plant Mix E - In Stream Aquatic

	106	<i>Carex aquatilis</i> , <i>C. utriculata</i> , <i>Eleocharis palustris</i>	Water sedge, Beaked sedge, Creeping spikerush	Wetland Sod	Mat	\$205.44	\$21,776.64	2025	
	1050	<i>Carex aquatilis</i>	Water Sedge	10 ci	Tube Seedling	\$1.32	\$1,386.00	2025	
	1050	<i>Carex utriculata</i>	Beaked Sedge	10 ci	Tube Seedling	\$1.32	\$1,386.00	2025	

Plant Mix F - Shallow Emergent Wetland

	66	<i>Carex nebraskensis</i> , <i>C. utriculata</i> , <i>Juncus acticus</i>	Nebraska sedge, Beaked sedge, Arctic rush	Wetland Sod	Mat	\$205.44	\$13,559.04	2025	
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Plant Mix G - Deep Emergent Wetland

	16	<i>Schoenoplectus acutus</i>	Hardstem Bulrush	Wetland Sod	Mat	\$205.44	\$3,287.04	2025	
	16	<i>Scirpus microcarpus</i>	Small-Fruited Bulrush	Wetland Sod	Mat	\$205.44	\$3,287.04	2025	

Plant Mix H - Aspen Grove

	360	<i>Achillea millefolium</i>	Common Yarrow	10 ci	Tube Seedling	\$1.55	\$558.00	2025	
	360	<i>Aquilegia coerulea</i>	Blue Columbine	10 ci	Tube Seedling	\$1.55	\$558.00	2025	
	360	<i>Delphinium occidentale</i>	Duncecap Larkspur	10 ci	Tube Seedling	\$1.55	\$558.00	2025	
	360	<i>Erigeron speciosus</i>	Showy Fleabane	10 ci	Tube Seedling	\$1.55	\$558.00	2025	
	360	<i>Eriogonum umbellatum</i>	Sulfurflower Buckwheat	10 ci	Tube Seedling	\$1.55	\$558.00	2025	
	360	<i>Gaillardia aristata</i>	Blanket Flower	10 ci	Tube Seedling	\$1.55	\$558.00	2025	
	360	<i>Geranium viscosissimum</i>	Sticky Geranium	10 ci	Tube Seedling	\$1.85	\$666.00	2025	
	360	<i>Helianthus multiflorus</i>	Showy Goldeneye	10 ci	Tube Seedling	\$1.55	\$558.00	2025	
	360	<i>Hymenoxys hoopesii</i>	Meadow Fire	10 ci	Tube Seedling	\$1.55	\$558.00	2025	

	360	<i>Linum lewisii</i>	Blue Flax	10 ci	Tube Seedling	\$1.55	\$558.00	2025	
	360	<i>Penstemon rydbergii</i>	Rydberg's Penstemon	10 ci	Tube Seedling	\$1.55	\$558.00	2025	
	360	<i>Penstemon strictus</i>	Rocky Mountain Penstemon	10 ci	Tube Seedling	\$1.55	\$558.00	2025	
	360	<i>Rudbeckia occidentalis</i>	Western Coneflower	10 ci	Tube Seedling	\$1.55	\$558.00	2025	
	360	<i>Solidago missouriensis</i>	Missouri Goldenrod	10 ci	Tube Seedling	\$1.55	\$558.00	2025	
	360	<i>Symphotrichum laeve</i>	Smooth Aster	10 ci	Tube Seedling	\$1.55	\$558.00	2025	
	1630	<i>Bouteloua curtipendula</i>	Side Oats Gram	10 ci	Tube Seedling	\$1.55	\$2,526.50	2025	
	1630	<i>Bouteloua gracilis</i>	Blue Grama	10 ci	Tube Seedling	\$1.55	\$2,526.50	2025	
	1630	<i>Festuca idahoensis</i>	Idaho Blue Fescue	10 ci	Tube Seedling	\$1.55	\$2,526.50	2025	
	1630	<i>Hesperostipa comata</i>	Needle and Thread Grass	10 ci	Tube Seedling	\$1.55	\$2,526.50	2025	
	1630	<i>Oryzopsis hymenoides</i>	Indian Ricegrass	10 ci	Tube Seedling	\$1.55	\$2,526.50	2025	

DELIVERY ALLOWANCE	\$8,500.00
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TOTAL	\$149,488.86
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Notes and Assumptions:

Bold Items are custom grown, non bolded items are stock (see special conditions)

Prices listed **do not include** State or Local taxes or other fees. If taxes are deemed necessary, material pricing will change to reflect taxes, which will be paid by the City of Ketchum



CITY OF KETCHUM

PO BOX 2315 * 191 5TH ST. * KETCHUM, ID 83340
 Administration 208-726-3841 (fax) 208-726-8234

PURCHASE ORDER

BUDGETED ITEM? ___ Yes ___ No

PURCHASE ORDER - NUMBER: 25071

To: 6300 NORTH FORK NATIVE PLANTS PO BOX 1115 DRIGGS ID 83422	Ship to: CITY OF KETCHUM PO BOX 2315 KETCHUM ID 83340
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P. O. Date	Created By	Requested By	Department	Req Number	Terms
01/28/2025	BDAVIS	BDAVIS			

Quantity	Description	Unit Price	Total
1.00	WSP PLANTINGS DIRECT PURCHASE 93-4900-7950	149,488.86	149,488.86
	SHIPPING & HANDLING		0.00
	TOTAL PO AMOUNT		149,488.86

 Authorized Signature

PLANT MIX A - UPLAND MEADOW (312,926 SF)													MIX SF	MIX %	SPACING	QTY		
													330,626					
KEY	QTY	BOTANICAL NAME	COMMON NAME	PLANT TYPE	SIZE	ROOT	% OF HATCH AREA	% OF PATCH	O.C. SPACING	Profiln \$/un	Total	NOTES	Total SF Hatch	% of Hatch	O.C.	QTY		
Shrubs (Patchee): 18% of Total Hatch Area (44,939 sf)																		
-	3180	<i>Artemisia tridentata</i> var. <i>vaseyana</i>	Mountain Big Sagebrush	Shrub	10 ci	Tube Seedling	-	50%	3'			Plant in patches in favorable microsites. Shrubs to be Field Located by Landscape Architect.						
-	955	<i>Chrysothamnus viscidiflorus</i>	Douglas Rabbitbrush	Shrub	10 ci	Tube Seedling	-	15%	3'			Shrubs to be Field Located by Landscape Architect.						
-	955	<i>Encarnia nauseosa</i>	Rubber Rabbitbrush	Shrub	10 ci	Tube Seedling	-	15%	3'			Shrubs to be Field Located by Landscape Architect.						
-	1270	<i>Purshia tridentata</i>	Antelope Bitterbrush	Shrub	10 ci	Tube Seedling	-	20%	3'			Plant in patches in favorable microsites. Shrubs to be Field Located by Landscape Architect.						
Grasses (Seed to Cover 100% of Hatch Area)																		
-	-	<i>Bromus ciliatus</i>	Fringed Brome	Grass	-	Seed	-	-	-			Grasses = 80% of Seed Mix. Individual Species Percentages to be Supplied to Contractor During Construction Phase						
-	-	<i>Bromus ciliatus</i>	Fringed Brome	Grass	-	Seed	-	-	-									
-	-	<i>Bromus marginatus</i>	Mountain Brome	Grass	-	Seed	-	-	-									
-	-	<i>Bromus marginatus</i>	Mountain Brome	Grass	-	Seed	-	-	-									
-	-	<i>Elymus elymoides</i>	Squirreltail Grass	Grass	-	Seed	-	-	-									
-	-	<i>Elymus elymoides</i>	Squirreltail Grass	Grass	-	Seed	-	-	-									
-	-	<i>Elymus glaucus</i>	Blue Wildrye	Grass	-	Seed	-	-	-									
-	-	<i>Elymus glaucus</i>	Blue Wildrye	Grass	-	Seed	-	-	-									
-	-	<i>Elymus lanceolatus</i> ssp. <i>lanceolatus</i>	Thickspike Wheatgrass	Grass	-	Seed	-	-	-									
-	-	<i>Elymus lanceolatus</i> ssp. <i>lanceolatus</i>	Thickspike Wheatgrass	Grass	-	Seed	-	-	-									
-	-	<i>Elymus trachycaulus</i>	Slender Wheatgrass	Grass	-	Seed	-	-	-									
-	-	<i>Elymus trachycaulus</i>	Slender Wheatgrass	Grass	-	Seed	-	-	-									
-	-	<i>Festuca idahoensis</i>	Idaho Fescue	Grass	-	Seed	-	-	-									
-	-	<i>Festuca thurberi</i>	Thurber's Fescue	Grass	-	Seed	-	-	-									
-	-	<i>Hesperostipa comata</i>	Needle and Thread Bunchgrass	Grass	-	Seed	-	-	-									
-	-	<i>Koeleria macrantha</i>	Prairie Junegrass	Grass	-	Seed	-	-	-									
-	-	<i>Leymus cinereus</i>	Great Basin Wildrye	Grass	-	Seed	-	-	-									
-	-	<i>Poa secunda</i> sandbergii	Sandberg Bluegrass	Grass	-	Seed	-	-	-									
-	-	<i>Pseudoroegneria spicata</i>	Bluebunch Wheatgrass	Grass	-	Seed	-	-	-									
Forbs (Seed to Cover 100% of Hatch Area)																		
-	-	<i>Achillea millefolium</i> occidentalis	Western Common Yarrow	Forb	-	Seed	-	-	-			Forbs = 20% of Seed Mix. Individual Species Percentages to be Supplied to Contractor During Construction Phase						
-	-	<i>Eriogonum umbellatum</i>	Suffurflower Buckwheat	Forb	-	Seed	-	-	-									
-	-	<i>Linum lewisii</i>	Blue Flax	Forb	-	Seed	-	-	-									
-	-	<i>Lupinus sericeus</i>	Silky Lupine	Forb	-	Seed	-	-	-									
-	-	<i>Penstemon eatonii</i>	Firecracker Penstemon	Forb	-	Seed	-	-	-									
-	-	<i>Penstemon strictus</i>	Rocky Mountain Penstemon	Forb	-	Seed	-	-	-									
-	-	<i>Sphaeralcea</i> sp.	Globemallow	Forb	-	Seed	-	-	-									
-	-												Species dependent on availability					
PLANT MIX B - XERIC (DRY) FLOODPLAIN (125,606 SF)													124,999					
KEY	QTY	BOTANICAL NAME	COMMON NAME	PLANT TYPE	SIZE	ROOT	% OF HATCH AREA	% OF PATCH	O.C. SPACING	Profiln \$/un	Total		NOTES	Total SF Hatch	% of Hatch	O.C.	QTY	
Shrubs (Patchee): 20% of Total Hatch Area (28,000 sf)																		
-	80	<i>Amelanchier alnifolia</i>	Western Serviceberry	Shrub	#5	Cont.	-	2.5%	3'			Plant in microsites that retain more moisture. Shrubs to be Field Located by Landscape Architect.						
-	1600	<i>Artemisia tridentata</i>	Big Sagebrush	Shrub	10 ci	Tube Seedling	-	50%	3'				Consider Establishing in island patches. Shrubs to be Field Located by Landscape Architect.					
-	480	<i>Chrysothamnus viscidiflorus</i>	Douglas Rabbitbrush	Shrub	10 ci	Tube Seedling	-	15%	3'				Shrubs to be Field Located by Landscape Architect.					
-	480	<i>Encarnia nauseosa</i>	Rubber Rabbitbrush	Shrub	10 ci	Tube Seedling	-	15%	3'				Shrubs to be Field Located by Landscape Architect.					
-	80	<i>Prunus virginiana</i>	Chokecherry	Shrub	#5	Cont.	-	2.5%	3'				Plant in microsites that retain more moisture. Shrubs to be Field Located by Landscape Architect.					
-	320	<i>Purshia tridentata</i>	Antelope Bitterbrush	Shrub	10 ci	Tube Seedling	-	10%	3'				Plant in patches in favorable microsites. Shrubs to be Field Located by Landscape Architect.					
-	160	<i>Rosa woodsii</i>	Wood's Rose	Shrub	#5	Cont.	-	5%	3'				Shrubs to be Field Located by Landscape Architect.					
Grasses (Seed to Cover 100% of Hatch Area)																		
-	-	<i>Festuca idahoensis</i>	Idaho Fescue	Grass	-	Seed	-	-	-				Grasses = 75% of Seed Mix. Individual Species Percentages to be Supplied to Contractor During Construction Phase					
-	-	<i>Leymus cinereus</i>	Great Basin Wildrye	Grass	-	Seed	-	-	-									
-	-	<i>Poa secunda</i> sandbergii	Sandberg Bluegrass	Grass	-	Seed	-	-	-									
-	-	<i>Pseudoroegneria spicata</i>	Bluebunch Wheatgrass	Grass	-	Seed	-	-	-									
Forbs (Seed to Cover 100% of Hatch Area)																		
-	-	<i>Achillea millefolium</i>	Common Yarrow	Forb	-	Seed	-	-	-			Forbs = 25% of Seed Mix. Individual Species Percentages to be Supplied to Contractor During Construction Phase						
-	-	<i>Artemisia ludoviciana</i>	White Sagebrush	Forb	-	Seed	-	-	-									
-	-	<i>Eriogonum umbellatum</i>	Suffurflower Buckwheat	Forb	-	Seed	-	-	-									
-	-	<i>Linum lewisii</i>	Blue Flax	Forb	-	Seed	-	-	-									
-	-	<i>Lupinus argenteus</i>	Silvery Lupine	Forb	-	Seed	-	-	-									
-	-	<i>Penstemon</i> sp.	Penstemon species	Forb	-	Seed	-	-	-									
-	-												Species dependent on availability					
-	-	<i>Sphaeralcea</i> sp.	Globemallow	Forb	-	Seed	-	-	-				Species dependent on availability					
PLANT MIX C - MESIC (WET) FLOODPLAIN (66,963 SF)													66,963					
KEY	QTY	BOTANICAL NAME	COMMON NAME	PLANT TYPE	SIZE	ROOT	% OF HATCH AREA	% OF PATCH	O.C. SPACING	Profiln \$/un	Total		NOTES	Total SF Hatch	% of Hatch	O.C.	QTY	
Trees (Patchee): 10% of Total Hatch Area (6,896 sf)																		
-	55	<i>Populus angustifolia</i>	Narrow-leaf Cottonwood	Tree	#5	Cont.	-	45%	8'			Install Wildlife Exclusion Fence Around Trees						
-	12	<i>Populus tremuloides</i>	Quaking Aspen	Tree	#5	Cont.	-	10%	8'				Install Wildlife Exclusion Fence Around Trees					
-	55	<i>Populus trichocarpa</i>	Black Cottonwood	Tree	#5	Cont.	-	45%	8'				Install Wildlife Exclusion Fence Around Trees					
Shrubs (Patchee): 10% of Total Hatch Area (6,896 sf)																		
-	25	<i>Ainus incana</i>	Thin-leaf Alder	Shrub	#5	Cont.	-	5%	6'			Plant in microsites that retain more moisture. Shrubs to be Field Located by Landscape Architect.						
-	25	<i>Betula occidentalis</i>	Water Birch	Shrub	#5	Cont.	-	5%	6'				Shrubs to be Field Located by Landscape Architect.					
-	150	<i>Ribes aureum</i>	Golden Currant	Shrub	#5	Cont.	-	35%	6'				Shrubs to be Field Located by Landscape Architect.					
-	150	<i>Rosa woodsii</i>	Wood's Rose	Shrub	#5	Cont.	-	35%	6'				Shrubs to be Field Located by Landscape Architect.					
-	90	<i>Symphoricarpos</i> sp.	Snowberry	Shrub	#5	Cont.	-	20%	6'				Shrubs to be Field Located by Landscape Architect.					
Grasses (Seed to Cover 100% of Hatch Area)																		
-	-	<i>Elymus glaucus</i>	Blue Wildrye	Grass	-	Seed	-	-	-			Grasses = 60% of Seed Mix. Individual Species Percentages to be Supplied to Contractor During Construction Phase						
-	-	<i>Leymus cinereus</i>	Great Basin Wildrye	Grass	-	Seed	-	-	-									
-	-	<i>Pascopyrum smithii</i>	Western Wheatgrass	Grass	-	Seed	-	-	-									
-	-	<i>Pseudoroegneria spicata</i>	Bluebunch Wheatgrass	Grass	-	Seed	-	-	-									
Forbs (Seed to Cover 100% of Hatch Area)																		
-	-	<i>Achillea millefolium</i>	Common Yarrow	Forb	-	Seed	-	-	-			Forbs = 40% of Seed Mix. Individual Species Percentages to be Supplied to Contractor During Construction Phase						
-	-	<i>Linum lewisii</i>	Blue Flax	Forb	-	Seed	-	-	-									
-	-	<i>Lupinus</i> sp.	Lupine Species	Forb	-	Seed	-	-	-									
-	-	<i>Penstemon</i> sp.	Penstemon species	Forb	-	Seed	-	-	-									
-	-	<i>Symphotrichum laeve</i>	Smooth Blue Aster	Forb	-	Seed	-	-	-									
-	-	<i>Vicia americana</i>	American Vetch	Forb	-	Seed	-	-	-									
-	-												Species dependent on availability					
PLANT MIX D - NEAR STREAM RIPARIAN (26,985 SF)													26,985					
KEY	QTY	BOTANICAL NAME	COMMON NAME	PLANT TYPE	SIZE	ROOT	% OF HATCH AREA	% OF PATCH	O.C. SPACING	Profiln \$/un	Total	NOTES	Total SF Hatch	% of Hatch	O.C.	QTY		
Trees (Patchee): 10% of Total Hatch Area (6,746 sf)																		
-	50	<i>Populus angustifolia</i>	Narrow-leaf Cottonwood	Tree	#5	Cont.	-	40%	8'			Tree Forming. Install Wildlife Exclusion Fence Around Trees						
-	50	<i>Populus trichocarpa</i>	Black Cottonwood	Tree	#5	Cont.	-	40%	8'				Install Wildlife Exclusion Fence Around Trees					
-	15	<i>Salix amygdaloides</i>	Peachleaf Willow	Tree	#5	Cont.	-	10%	8'				Install Wildlife Exclusion Fence Around Trees					
-	15	<i>Salix lasiandra</i> var. <i>caudata</i>	Whiplash Willow	Tree	#5	Cont.	-	10%	8'				Tree Forming. Install Wildlife Exclusion Fence Around Trees					
Shrubs (Patchee): 50% of Total Hatch Area (13,460 sf)																		
-	110	<i>Cornus sericea</i>	Redosier Dogwood	Shrub	#5	Cont.	-	25%	6'			Very Palatable to Moose. Shrubs to be Field Located by Landscape Architect.						
-	110	<i>Salix boothii</i>	Booth's Willow	Shrub	#5	Cont.	-	25%	6'				Clump Forming. Shrubs to be Field Located by Landscape Architect.					

-	110	Salix exigua	Golden Currant	Shrub	#5	Cont.	25%	6'		Mat Forming, Shrubs to be Field Located by Landscape Architect.
-	110	Salix lutea	Wood's Rose	Shrub	#5	Cont.	25%	6'		Clump Forming, Shrubs to be Field Located by Landscape Architect.
Grasses (Seed to Cover 100% of Hatch Area)										
-	-	Calamagrostis canadensis	Bluejoint Reedgrass	Grass	-	Seed	-	-	-	Grasses = 100% of Seed Mix. Individual Species Percentages to be Supplied to Contractor During Construction Phase, Saturated but not inundated soils
-	-	Deschampsia cespitosa	Tufted Hairgrass	Grass	-	Seed	-	-	-	
-	-	Elymus glaucus	Blue Wildrye	Grass	-	Seed	-	-	-	

PLANT MIX E - IN STREAM AQUATIC (2,055 SF, 33.33% of Total Hatch Area Indicated in Plans as Mix E, F, G)											6165 SF Mix E, F, G Hatch			
KEY	QTY	BOTANICAL NAME	COMMON NAME	PLANT TYPE	SIZE	ROOT	% OF PLANT MIX E	% OF PATCH	O.C. SPACING	NOTES	Total SF Hatch	% of Hatch	O.C.	QTY
Herbaceous Live Plants: 25% of Mix E														
-	265	Carex aquatilis	Water Sedge	Herbaceous	10ci	Tube Seedling	25%		9"	To be located along stream channels on inundated and saturated soils				
-	265	Carex utriculata	Beaked Sedge	Herbaceous	10ci	Tube Seedling	25%		9"					
-	265	Eleocharis palustris	Great Spike Rush	Herbaceous	10ci	Tube Seedling	25%		9"					
-	265	Juncus articus	Arctic Rush	Herbaceous	10ci	Tube Seedling	25%		9"					
Seed Mix: Seed to Cover 100% of Plant Mix E (2,055 SF)														
-		Beckmannia syzigachne	American Slough Grass	Herbaceous	-	Seed	100%			Saturated but not inundated soils				
-		Calamagrostis canadensis	Bluejoint Grass	Herbaceous	-	Seed				Saturated but not inundated soils				
-		Deschampsia cespitosa	Tufted Hair Grass	Herbaceous	-	Seed				Saturated but not inundated soils				
-		Pascopyrum smithii	Western Wheatgrass	Herbaceous	-	Seed				Saturated but not inundated soils				

PLANT MIX F - SHALLOW EMERGENT WETLAND (2,055 SF, 33.33% of Total Hatch Area Indicated in Plans as Mix E, F, G)											Total SF Hatch			
KEY	QTY	BOTANICAL NAME	COMMON NAME	PLANT TYPE	SIZE	ROOT	% OF PLANT MIX F	% OF PATCH	O.C. SPACING	NOTES	Total SF Hatch	% of Hatch	O.C.	QTY
Herbaceous Live Plants: 25% of Mix F														
-	265	Carex nebrascensis	Nebraska Sedge	Herbaceous	10ci	Tube Seedling	25%		9"	To be located along pond edges with zones of permanent inundation and frequent soil saturation				
-	265	Carex pellita	Woolly Sedge	Herbaceous	10ci	Tube Seedling	25%		9"					
-	265	Carex utriculata	Beaked Sedge	Herbaceous	10ci	Tube Seedling	25%		9"					
-	265	Juncus articus	Arctic Rush	Herbaceous	10ci	Tube Seedling	25%		9"					
Seed Mix: Seed to Cover 100% of Plant Mix F (2,055 SF)														
-		Beckmannia syzigachne	American Slough Grass	Herbaceous	-	Seed	100%			Saturated but not inundated soils				
-		Calamagrostis canadensis	Bluejoint Grass	Herbaceous	-	Seed				Saturated but not inundated soils				
-		Deschampsia cespitosa	Tufted Hair Grass	Herbaceous	-	Seed				Saturated but not inundated soils				
-		Pascopyrum smithii	Western Wheatgrass	Herbaceous	-	Seed				Saturated but not inundated soils				

PLANT MIX G - DEEP EMERGENT WETLAND (2,055 SF, 33.33% of Total Hatch Area Indicated in Plans as Mix E, F, G)											Total SF Hatch			
KEY	QTY	BOTANICAL NAME	COMMON NAME	PLANT TYPE	SIZE	ROOT	% OF PLANT MIX G	% OF PATCH	O.C. SPACING	NOTES	Total SF Hatch	% of Hatch	O.C.	QTY
Herbaceous Live Plants: 100% of Mix G														
-	1185	Schoenoplectus acutus	Hardstem Bulrush	Herbaceous	#1	Cont.	50%		12"	To be located within pond on permanently inundated soils				
-	1185	Scirpus microcarpus	Small-Fruited Bulrush	Herbaceous	#1	Cont.	50%		12"					

PLANT MIX H - ASPEN GROVE (24731 SF)											26,483			
KEY	QTY	BOTANICAL NAME	COMMON NAME	PLANT TYPE	SIZE	ROOT	% OF HATCH AREA	% OF PATCH	O.C. SPACING	NOTES	Total SF Hatch	% of Hatch	O.C.	QTY
Forbs: 40% of Total Hatch Area (9892.4 sf)														
-	360	Achillea millefolium	Common Yarrow	Forb	10ci	Pot	-	-	18"					
-	360	Aquilegia coerulea	Blue Columbine	Forb	10ci	Cont.	-	-	18"					
-	360	Delphinium occidentale	Duncecap Larkspur	Forb	10ci	Cont.	-	-	18"					
-	360	Erigeron speciosus	Showy Fleabane	Forb	10ci	Pot	-	-	18"					
-	360	Eriogonum umbellatum	Sufflower Buckwheat	Forb	10ci	Pot	-	-	18"					
-	360	Gaillardia aristata	Blanket Flower	Forb	10ci	Pot	-	-	18"					
-	360	Geranium viscosissimum	Sticky Geranium	Forb	10ci	Pot	-	-	18"					
-	360	Heliopsis multiflora	Showy Goldeneye	Forb	10ci	Cont.	-	-	18"					
-	360	Hymenoxys hoopesii	Meadow Fire	Forb	10ci	Cont.	-	-	18"					
-	360	Linum lewisii	Blue Flax	Forb	10ci	Cont.	-	-	18"					
-	360	Penstemon rydbergii	Rydberg's Penstemon	Forb	10ci	Cont.	-	-	18"					
-	360	Penstemon strictus	Rocky Mountain Penstemon	Forb	10ci	Cont.	-	-	18"					
-	360	Rudbeckia occidentalis	Western Coneflower	Forb	10ci	Cont.	-	-	18"					
-	360	Solidago missouriensis	Missouri Goldenrod	Forb	10ci	Cont.	-	-	18"					
-	360	Symphotrichum laeve	Smooth Aster	Forb	10ci	Cont.	-	-	18"					
Grasses: 60% of Hatch Area (14838 sf)														
-	1630	Bouteloua curtipendula	Side Oats Gram	Grass	10ci	Tube Seedling			18"					
-	1630	Bouteloua gracilis	Blue Grama	Grass	10ci	Tube Seedling			18"					
-	1630	Festuca idahoensis	Idaho Blue Fescue	Grass	10ci	Tube Seedling			18"					
-	1630	Hesperostipa comata	Needle and Thread Grass	Grass	10ci	Tube Seedling			18"					
-	1630	Oryzopsis hymenoides	Indian Ricegrass	Grass	10ci	Tube Seedling			18"					

PLANT MIX I - WETLAND SOD (LF)											26,483			
KEY	QTY	BOTANICAL NAME	COMMON NAME	PLANT TYPE	SIZE	ROOT	% OF HATCH AREA	% OF PATCH	O.C. SPACING	NOTES	Total SF Hatch	% of Hatch	O.C.	QTY
1 M x 16' WETLAND SOD ON POND AND CHANNEL EDGES														
-	5,250 LF	Pond & Channel Edges Mix of these species: Carex nebrascensis, Carex pellita, Carex utriculata, Juncus articus		Herbaceous	1M x 16' SOD	SOD	-	-		Mix of sedges and rushes at water's edge along pond shores and stream channel margins				

SOD (54,410 SF)											54,410		
KEY	QTY	BOTANICAL NAME	NOTES	Total SF Hatch	% of Hatch	O.C.	QTY						
-	73862	Rhizomatous Tall Fescue	** Contractor to Reclaim Existing Sod on Site and Install in Areas of the Fairway as Shown in the Planting Plans, Where Possible After Regrading. Contractor to Submit Pricing for New Sod as part of their base bid for review.										