



## 2020 Planting Scope of Work

<b>Project:</b> Lower McCarthy Creek Wetland Reserve Easement (WRE)		<b>Date:</b> December 19, 2019				
<b>Location:</b> near Highway 30 and Cornelius Pass Road		<b>Contract awarded via:</b> Cooperative Procurement or RFP				
<b>Total Acres:</b> NA /~5.25 ac + 4.75 ac. riparian maintenance		<b>District technical contact:</b> Kammy Kern-Korot				
<b>Site Code:</b> B-C (medium-hard difficulty, esp. dependir		<b>Contractor:</b>				

If using CWS Cooperative Procurement: The Conservation District and Contractor agree that the Work Area qualifies as a site code B or C, depending on water conditions, as defined below. The Contractor shall perform the following according to the quality criteria laid out in the Work Task Descriptions beginning on page 6 of Exhibit A / Attachment 1, of [General] Scope of Work and Special Terms & Conditions, Revegetation Services Master Contract with Clean Water Services, and consistent with WMSWCD's project-specific specifications, for the costs and completion dates estimated below. **Unit numbers are approximate.** (All herbicide and mowing work will be done with the utmost of care to protect desirable plants.) The District reserves the right to withhold payment for work that causes excess damage to plantings and/or is unsatisfactory for other reasons.

Work Task	Target Date	Unit	Total Units	Unit Cost*	Total Cost	Date Complete
Planting - Install 36" live stakes (small?)	2/10-14/2020	ea	2,800		\$0.00	
Planting - Install 12-18"/small (6-18") bareroot plants	2/10-14/2020	ea	725		\$0.00	
Planting - Install sm./med. (18-36") bareroot plants	2/10-14/2020	ea	2,750		\$0.00	
<i>Total plants</i>			6275			
Aseess and acquire needed supplies for wire caging	1/30/2020					
Construct and install 25 wire cages for oaks	2/10-14/2020	ea	25			
Tube 325 shrubs and 50 oaks	2/10-14/2020	ea	375		\$0.00	
Hourly labor (specify task & estimate hours for each)	2/10-14/2020	ea				
spring, summer, fall weed treatments (3); mow & spray	April-October	ac	10			
<b>TOTAL</b>					\$0.00	

**Notes / Instructions:**

**Planting:** 1) Wetland area: Install a total of 5,500 bareroot plants and live stake cuttings in ~ 2 ac. of wetland enhancement area, with cuttings installed in the wettest locations. Install live stakes one-half to two-thirds deep, leaving 1-3 buds above the surface. Work in this zone may involve navigating standing water and/or crossing McCarthy Creek creek and will, thus, require waders or rubber boots and boards to easily cross the creek. Motorized access to this part of the site is generally available to 4WD vehicles with good clearance. 2) Upland area: Install 650 bareroot seedlings (of shrubs and small tree species) in marked rows (in 4 separate "hedgerows" of 3 rows each); alternating with recently planted rows of herbaceous plants. Plant 75 oaks in clusters of 3, which are marked by pink pin flags. Tube 325 of the most easily tubed shrubs and small trees (required by federal partner specifications). Install constructed wire tube / cage around one oak in each cluster; tube the other 2. Assess adequacy of wire staged on site and acquire stakes and / or additional wire as needed. The upland planting area is easily accessible by vehicle in normal conditions, although the site will be quite muddy.; 3) Both the wetland and uplands areas have freshly placed soils that were moved as part of adjacent wetland excavation / restoration late summer-early fall. Soils are heavy and mostly bare.

**Maintenance:** Spray and mow weeds in the 5.25 ac. planted under this SOW + 4.75 ac. of previously planted riparian area -- for a total of ~3 treatments, or as needed. The wetter parts of the project are often not accessible until July. The dryer areas need earlier weed control. There is patchy scirpus cyperinus to control in the riparian area, along with reed canary grass and other target weeds. None of the areas may be mowed during primary bird nesting season, as defined by NRCS (before July 15), and weeds >5' tall must be cut before spraying. The goal is to control reed canary grass early enough in the spring/summer, as water levels and access allow, before it reaches 5' tall. Thistle and blackberry are among the main target weeds in the uplands, as well as reed canary grass on the edges.

**Herbicide Usage:** Use caution when applying herbicide near streams and waterways (BUT DO NOT AVOID TREATMENT) and report required details of herbicide use specifically within 3 ft of water on an agreed-upon reporting form. Always follow the herbicide label and wear proper PPE. Use only aquatic-approved glyphosate (at 2% or other locally recommended rate) or triclopyr amine or choline (e.g. Vaslan at 1.5% or other locally recommended rate), plus competitor or agridex surfactant (at 1%) (or other agreed-upon aquatic surfactant) and temporary blue/aquatic marking dye -- in both the riparian and upland project areas. Timely, correct, and complete spray records -- including the amount of use near water -- are required with each invoice.\*

Continuing the experimental use of BroncMax to better control RCG and reduce herbicide use along McCarthy Creek is desired.

**Before and after photos** of each weed treatment in the upland and riparian areas are required and must be included with each invoice.

We are looking for a contractor to help steward the site, monitor seasonal needs and maintain timely weed treatments as demanded by the site's conditions. If work is satisfactory in 2020, the SOW will likely be extended into 2021 and beyond.

**Send invoices for payment to:** Kammy Kern-Korot, West Multnomah SWCD, 2701 NW Vaughn, Suite 450, Portland OR 97210

All operations must comply with applicable federal, state, and local laws and regulations; including herbicide label restrictions.

Kammy Kern-Korot

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WMSWCD Project Manager Name & Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Contractor Representative Name & Signature for:

\_\_\_\_\_  
Date

\*Site Codes:

A, B, C - terrain / working conditions easy, medium or difficult, respectively

\*Herbicide Records must include the following: name and location of site(s), date and times of application, applicator names and license numbers, herbicide brand and chemical name, formulation and quantities used, rate of application of all components (e.g. % herbicide, surfactant, dye), acres treated, target species, and environmental conditions. For applications made within 3' of water (including ditches/canals with water present): Please indicate subtotal of herbicide quantity used, treated surface area & linear length of adjacent stream where treatment occurred (in addition to the above requested information).