

ITEM	DESCRIPTION	UNITS	PRELIM QUANTS	FINAL QUANTS
001	MOBILIZATION	LS	1	
002	TREE REMOVAL	LS	4	

PLATTE RIVER RECOVERY IMPLEMENTATION PROGRAM
TRACT 2011002
TREE REMOVAL
IN HALL COUNTY, NE


SPECIFICATIONS
 CS-01 MOBILIZATION AND DEMOBILIZATION
 CS-02 CLEARING AND GRUBBING

INDEX
 1 COVER SHEET
 2 CLEARING AND GRUBBING



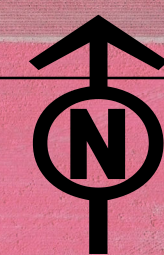
PROJECT LOCATION

CAUTION
 The Platte River Recovery Implementation Program will not be responsible for, or liable for, unauthorized changes to, or uses of these plans. All changes to the plans must be in writing and must be approved by the Program.

	PROJECT NO. 16-021		
	TRACT 2011002 TREE REMOVAL		
	COVER SHEET		
SHEET NO: 1 of 2	DATE: 08/23/16	DRAWN BY: TRT	




NOTES:

- 1) The contractor will remove all woody vegetation within hatched boundaries. All cleared material will be placed in designated areas for burning or chipped and hauled off sites as mulch, or removed as logs with remaining slash burned or mulched.
- 2) The Project Engineer will flag the limits of tree clearing for the contractor prior to beginning of work.
- 3) It is the contractor's responsibility to call the "Diggers Hotline" number to verify any conflicting utilities prior to beginning any work.

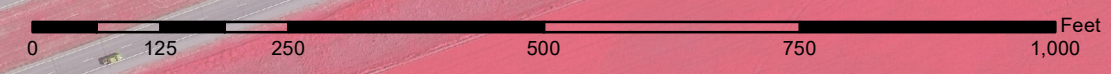



HALL COUNTY

PRRIPTractNum

-  2011002
-  Follmer_pit_tree_removal
-  Burn/Bury Location

Clear all woody vegetation.
(Approx 4 acres)



	PROJECT NO. 16-021		
	TRACT 2011002		
	TREE REMOVAL		
SHEET NO:	DATE:	DRAWN BY:	
2 of 2	08/23/16	TRT	



REQUEST FOR QUOTATION

PROJECT: Tract 2011002 Tree/ Brush Removal (P16-021)
 LOCATION: PRRIF Property 2011002
 NEAR: Alda, Nebraska
 REQUEST DATE: November 4, 2016
 SITE SHOWING: November 9, 2016 – 1:00 pm central time
 CLOSING DATE: **November 14, 2016 – 5:00 pm central time**
 CONTACT: Tim R. Tunnell
 Headwaters Corporation
 4111 4th Ave, Suite 6
 Kearney, NE 68845
tunnelt@headwaterscorp.com

The undersigned acknowledges receipt of the following plans and specifications:

1 () Construction Specifications

2 () Sheet 1 - Cover

3 () Sheet 2 – Tree/ Brush Removal

Please indicate (circle) method of removal:

1. Clear & Grub- Burn and Bury
2. Clear & Grub- Mulch/grind and haul away material
3. Aboveground Cut and Pile- treat stumps- Burn and Bury
4. Aboveground Cut – treat stumps - Mulch/grind and haul away material

The Contractor is required to submit quotes for all work Items below.

Item No.	Description	Unit	Estimated Quantity	Bid Unit Price	Bid Price
001	Mobilization and Demobilization	LS	1	\$ _____	\$ _____
002	Tree/ Brush Removal	LS	1	\$ _____	\$ _____

TOTAL QUOTE PRICE _____



_____ dollars (\$
)

WORK COMPLETION DATE: _____

Submitted by: _____
(Company)

(Individual – Print)

(Sign/Date)



CONSTRUCTION AND MATERIAL SPECIFICATIONS

for

TRACT 2011002- TREE REMOVAL

The work to be performed under these specifications consists of:

Activities in this project include removing all woody vegetation from approximately 4 acres within the property boundary as indicated on Sheet 2.

The proposed work is located in Sec. 30 T 10-N R 10-W,

Approximately 4.5 miles from Alda, Nebraska.

These specifications are a part of the construction plans. The work shall be performed in accordance with the drawings and specifications unless otherwise approved, in writing, by the Program’s Project Engineer. For items of work requiring Program inspection and/or approval, it is the responsibility of the contractor to keep the Project Engineer informed on the status of the work so that timely inspection may be provided. Work performed without the Program being provided the opportunity for inspection may not be accepted. All work on the project will conform to the title drawings and the following applicable specifications are marked in Column No. 1.

COL. #1	SPEC. NO.	SPECIFICATION TITLE
X	CS-01	Mobilization and Demobilization
X	CS-02	Clearing and Grubbing



CONSTRUCTION SPECIFICATION CS-01

MOBILIZATION AND DEMOBILIZATION

1. Description.

The work shall consist of the mobilization and demobilization of the Contractor's forces and the equipment necessary for performing the work required under the Contract. Mobilization will not be considered as work in fulfilling the contract requirement for commencement of work.

2. Equipment & Materials.

2.1 Mobilization shall include all activities and costs for transportation of personnel, equipment and supplies/materials to the site, establishment of offices, buildings and other necessary facilities for the Contractor's operations at the site.

2.2 Demobilization shall include all activities and costs for transportation of personnel, equipment and supplies/materials not used in the Contract, including the disassembly, removal and site cleanup of any offices, buildings or other facilities assembled on the site for the Contract.

2.3 This work includes mobilization and demobilization required by the Contract at the time of award. If additional mobilization/demobilization is required during the performance of the Contract due to changed, deleted or added items of work, for which the Contractor is entitled to an adjustment in the Contract price, compensation for such costs will be included in the price adjustment for the item or items of work changed or added.

2.3 The Contractor shall be responsible for all required permits for transportation of the Contractor's equipment. All equipment and materials shall be mobilized and demobilized in accordance with all local, state and federal laws related to transportation and safety.

2.4 Upon completion of the work, the Contractor shall restore all access areas to the same condition as prior to the start of the work.

2.5 The Contractor is responsible for security of the Contractor's equipment while on site.



3. Measurement and Method of Payment

3.1 Payment shall be made as the work proceeds, after presentation of invoices by the Contractor showing specific mobilization and demobilization costs, and evidence of the charges of suppliers, subcontractors and others.

3.2 If the total sum of such payments is less than the lump sum contract price, the unpaid balance will be included in the final contract payment. Payments for mobilization will not exceed 60% of the lump sum contract price. A minimum of 40% of the contract price will be retained until such time that demobilization is complete. Prior to signing of the contract, the Contractor shall provide the PROGRAM with a detailed Payment Schedule for costs associated with mobilization & demobilization.

3.3 Payment of the lump sum contract price for mobilization and demobilization will constitute full compensation for the completion of the work.

3.4 Payment will not be made under this item for the purchase costs of materials having a residual value, the purchase costs of materials to be incorporated in the project, or the purchase costs of operating supplies.



CONSTRUCTION SPECIFICATION CS-02

CLEARING AND GRUBBING

1. Description.

The work under this specification includes providing all labor, materials, tools and equipment necessary for clearing, grubbing and disposing of all vegetation and debris (including earthen materials incidentally removed with vegetation and debris), and removing structures and obstructions located within the limits shown on the Drawings or designated by the Project Engineer, except such objects as are designated to remain in place or are to be removed in accordance with or sections of these specifications. The works shall also include the preservation from injury or defacement of all vegetation and objects designated to remain.

2. Protection of Existing Vegetation.

Trees, shrubs, sod and other vegetation designated to remain undisturbed shall be protected from damage throughout the construction period. The Contractor shall be responsible for the repair or replacement of vegetation damaged by the Contractor's operations.

2.1 Earth fill, stockpiling of materials or vehicle parking shall not be allowed within the area of the drip line of the protected vegetation. Vegetation damaged due to disturbances under the drip line shall be replaced by the Contractor. Replacement vegetation must be of the same species, size and condition unless a substitution is approved by the Contracting Officer.

2.2 Any superficial damage such as cuts, skins, scrapes or bruises to the bark of protected vegetation shall be carefully trimmed and treated using locally acceptable procedures.

2.3 Limbs or branches, one half ($\frac{1}{2}$ ") inches or greater, which are broken or otherwise severed during construction, shall be cut flush at the base of the limb/branch.

2.4 Roots, one inch (1") or greater, which are broken or otherwise severed during construction, shall have their ends cut smoothly and perpendicular to the root.

2.5 Roots exposed during excavation or other operations shall be covered with moist soil as soon as possible to prevent the roots from drying out.



3. Delineation of Protected Vegetation

The limits of the areas to be cleared will be marked by flags, stakes, tree markings or other suitable method. Trees and other vegetation not to be removed will be designated by a different color flag, ribbon or stake.

4. Forest Clearing and Grubbing

All trees not marked for preservation and all snags, logs, brush, stumps, shrubs, rubbish, and similar materials shall be cleared from within the limits of the designated areas. Unless otherwise specified, all stumps, roots, and root clusters that have a diameter of 1 inch or larger shall be grubbed out to a depth of at least 1 foot below the ground surface. Except in areas to be excavated, stump holes and other holes from which obstructions are removed shall be backfilled with suitable materials. Materials shall be disposed of in accordance with Section 7 of this specification.

5. Above-Ground Clearing

All trees not marked for preservation and all snags, logs, brush, stumps, shrubs, rubbish, and similar materials shall be cleared from within the limits of the designated areas. All woody vegetation will be removed flush with or slightly below the ground. Materials shall be disposed of in accordance with Section 7 of this specification.

6. Invasive Tree Shredding

Eastern red cedar, Russian olive, false indigo, salt cedar, and will trees shall be chipped or shredded to or slightly below ground level using a toothed forestry head (FECON Bull Hog, Loftness Carbide Cutter, or equal) capable of shredding woody brush into a variety of textures, from course to fine, mounted on a tracked skid steer. Knife style heads like the Loftness Timber Ax are not acceptable equals. All vegetation cuttings shall be shredded to a size of approximately 6 inches by three inches by two inches.

7. Disposal

Materials removed during the clearing and grubbing operations will be disposed of by burning and burying. The Contractor is responsible for complying with all applicable local, state or federal regulations when disposing of the materials.



7.1 Burning shall be conducted under the constant care of competent employees. Burning shall be performed in a manner such that anything designated to remain will not be jeopardized. Burning shall be done in accordance with all applicable laws and ordinances.

7.2 Merchantable timber within the clearing limits will become the property of the Contractor, unless otherwise specified.

8. Special Conditions:

9.1 Any garbage, rubbish, trash or similar items found during clearing, shall be set aside by the contractor and disposed of in an approved solid waste facility. The PROGRAM has not identified any significant presence of such materials at the project location.

9.2 Removed trees and brush will be stacked into piles located inside of the limits of in-channel clearing and grubbing areas and above-ground tree clearing area a minimum of 100 feet from the bank of the river or edge of existing sand pit. Materials from sand pit clearing and grubbing and selected tree removal will not be stacked in those areas, they will be transported to and piled in the above-ground tree clearing area. The number of piles should be kept to a minimum, as much as is reasonable based upon density of trees, location of trees, topography, etc.

9.3 Open burning must be conducted in a manner that does not injure trees or shrubs being left in place, create a nuisance, create a hazard to traffic, or cause damage to public or private property. The contractor is responsible for obtaining a burn permit and complying with the conditions or requirements of that permit.

9.4 The contractor will dispose of debris left after burning by burying in place. The contractor will minimize the bulk of the material and cover it with at least one foot of earth.

9.5 Stumps of re-sprouting species cut within the above-ground tree clearing area will be treated with TORDON RTU herbicide (or approved equal) immediately after the tree is cut. Spray sides of stump and outer portion of the cut surface, including the cambium ring along the inner bark; thoroughly wet but not to the point of runoff. Do not cut sprouting species if snow or water will prevent proper application of herbicide.

9.6 All vegetation will be removed in sand pit clearing and grubbing area. Non-woody vegetation may be buried within the area. All woody vegetation must be removed from the area and placed within the limits of above-ground tree clearing.

9.7 All standing and downed dead woody vegetation within limits of clearing and grubbing and above-ground tree clearing will be piled and burned and buried along with cleared woody vegetation.