



30 August 2012

MILITARY DEPARTMENT  
STATE of NEBRASKA  
LINCOLN, NEBRASKA

**NEBRASKA ARMY NATIONAL GUARD  
CATS-M PERIMETER FENCE PROJECT**

at

**Mead Training Site  
1324 County Road 8  
Mead, NE 68041**

**PROJECT NO. 31090361**

**ADDENDUM NO. 1**

The original specifications and drawings on the STATE OF NEBRASKA REQUEST for PROPOSAL FORM for the project noted above are amended as noted in this Addendum No. 1.

Receipt of this Addendum shall be acknowledged by inserting its number and date in the space provided on the Bid Form.

**ADDENDUM NO. 1**

NOTE TO ALL PLANHOLDERS: Please insert this Addendum into your copy of the Contract Documents for the above named project.

The following changes to the Contract Documents are issued by the CFMO-CMB and shall have the same force and affect as though a part of the original issue.

**THE RECEIPT DATE, TIME and LOCATION of the BID PROPOSAL submission HAS NOT CHANGED.**

**ITEM NO.**

ADD 1-1 **Pre-Bid Meeting Sign-In Sheet.** Refer to the sign-in sheet, attached at the end of this addendum.

ADD 1-2 **Sheet C1 SITE PLAN**

1. Replace with attached CI R.
2. Note that all areas crossing ditches will require chain link to terminate at 4" end posts. 5 strand barbed wire with stays and posts as necessary will connect chain link across ditches.

ADD 1-3 **Specifications Section 32 3113**

- A. Fence to have a top tension wire as shown on drawings NOT a sleeve topped rail as indicated in specifications.
- B. For Clarification, grounding is required every 500'.
- C. SS 40 Cold Rolled Galvanized will be allowed in lieu of Schedule 40 galvanized.

ADD 1-4

Sheet C2 FENCE DETAILS

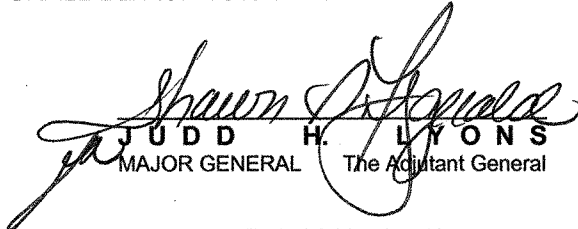
- A. Change Line Post diameter to 2 3/8" to match specifications.
- B. For Clarification: Set screw retainers OR Riveted retainers are acceptable for barbed wire arms.

ADD 1-5

Insert attached Seeding Specification, Section 02936 into Specifications.

- A. All disturbed areas are to be seeded per specification.

THIS ADDENDUM SHALL BE ATTACHED TO AND MADE A PART OF THE DRAWINGS AND SPECIFICATIONS AND SHALL BE ACKNOWLEDGED WITH THE BIDDER'S PROPOSAL.

  
J U D D H . L Y O N S  
MAJOR GENERAL The Adjutant General

End of Addendum No. 1



Attachments



## PRE - BID CONFERENCE

### CATS-M PERIMETER FENCE PROJECT UTES #2 Training Room, 1249 County Road 10, Mead, NE

28 AUGUST 2012 1330 HOURS



NAME	COMPANY / FIRM	ADDRESS	PHONE #	E-MAIL
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## SECTION 02936

### SEEDING

#### PART 1 GENERAL

##### 1.1 WORK INCLUDED

- A. Preparation of subgrade to receive topsoil
- B. Spreading topsoil
- C. Seedbed preparation
- D. Seeding
- E. Mulching and seed protection
- F. Seeding locations
- G. Maintenance
- H. Acceptance

##### 1.2 RELATED WORK

- A. All Sections

##### 1.3 DEFINITIONS

- A. Finish Grade: Elevation of finished surface of planting soil.
- B. Manufactured Soil: Soil produced off-site by homogeneously blending mineral soils or sand with stabilized organic soil amendments to produce topsoil or planting soil.
- C. Planting Soil: Native or imported topsoil, manufactured topsoil, or surface soil modified to become topsoil; mixed with soil amendments.
- D. Subgrade: Surface or elevation of subsoil remaining after completing excavation, or top surface of a fill or backfill immediately beneath planting soil.

##### 1.4 SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Certification of Seed: From seed vendor for each seed mixture stating the botanical and common name and percentage by weight of each species and variety, and percentage of purity, germination, and weed seed. Include the year of production and date of packaging.
- C. Product Certificates: For soil amendments, fertilizer, and herbicide, signed by product manufacturer.
- D. Installer Qualifications: A qualified landscape Installer whose work has resulted in successful native grass and wetland establishment.

1. Experience: Three years' experience in native grass and wetland installation in addition to requirements in Section 01400-Quality Control.

E. Planting Schedule: Indicating anticipated dates for each type of planting, and location to be planted.

F. Submit shop drawing and product data for seed mixtures and herbicide in accordance with Section 013300.

## 1.5 DELIVERY, STORAGE AND HANDLING

A. Deliver all seed in original containers showing analysis of seed mixture, percentage of pure seed, year of production, net weight, date of packaging and location of packaging. Damaged packages are not acceptable.

B. Deliver herbicide in original containers with manufacturer's product label

## 1.6 SCHEDULING

A. Seeding Restrictions: Seed during one of the following periods. Coordinate planting periods with maintenance periods to provide required maintenance from date of Substantial Completion.

1. Spring Seeding: April 1 – June 1:

2. Dormant Seeding: November 1 – December 25.

B. Weather Limitations: Proceed with planting only when existing and forecasted weather conditions permit. No work shall be performed during excessively windy weather or when the ground is frozen, wet or otherwise untillable.

## 1.7 MAINTENANCE SERVICE

A. Maintain seeded areas immediately after placement and until a dense stand of grass is well established and exhibits a vigorous growing condition at the end of the project guarantee period.

## PART 2 PRODUCTS

### 2.1 GROWING MEDIA

A. Topsoil: As specified in Section 02205.

### 2.2 FERTILIZER

A. Slow-Release Fertilizer: Granular or pelleted fertilizer consisting of 50% water-insoluble nitrogen, phosphorous, and potassium in the following composition

1. Composition: Nitrogen, phosphorous, and potassium in amounts recommended in soil reports from a qualified soil-testing laboratory.

2.3 SEED

A. Seed: Fresh, clean, dry, new-crop seed complying with AOSA's "Journal of Seed Technology; Rules for Testing Seeds" for purity and germination tolerances

B. Seed Mixture for Wetland Areas:

Seed Mix A: Wetland Seed Mix

SPECIES	COMMON NAME	PLS LBS/ACRE
	COMMON WATER	
<i>Alisma subcordatum</i>	PLANTAIN	0.060
<i>Asclepias incarnata</i>	SWAMP MILKWEED	0.799
<i>Aster novea-angliae</i>	NEW ENGLAND ASTER	0.044
	NODDING BUR-	
	MARIGOLD	0.171
<i>Bidens cernua</i>	COMMON BEGGARTICKS	0.719
<i>Bidens frondosa</i>	BOTTLEBRUSH SEDGE	0.319
<i>Carex hystericina</i>	SMOOTH-CONE SEDGE	0.799
<i>Carex laeviconica</i>	FOX SEDGE	0.115
<i>Carex vulpinoidea</i>	PLAINS COREOPSIS	0.035
<i>Coreopsis tinctoria</i>	BARNYARDGRASS	1.000
<i>Echinochloa crus-galli</i>	COMMON SPIKERUSH	0.188
<i>Eleocharis palustris</i>	SPOTTED JOE-PYE	
<i>Eupatorium</i>	WEED	0.038
<i>maculatum</i>	TALL MANNAGRASS	0.120
<i>Glyceria grandis</i>	FOWL MANNAGRASS	0.060
<i>Glyceria striata</i>	RICE CUTGRASS	0.282
<i>Leersia oryzoides</i>	PENNSYLVANIA	
<i>Polygonum</i>	SMARTWEED	0.628
<i>pensylvanicum</i>	COMMON ARROWHEAD	0.059
<i>Sagittaria latifolia</i>	HARDSTEM BULRUSH	0.479
<i>Scirpus acutus</i>	DARK GREEN BULRUSH	0.021
<i>Scirpus atrovirens</i>		
<i>Sparganium</i>		
<i>eurycarpum</i>	COMMON BURREED	1.089
<i>Spartina pectinata</i>	PRAIRIE CORDGRASS	1.452
<i>Verbena hastata</i>	BLUE VERVAIN	0.039
	TOTAL	8.52

C. Seed mixture for Streambank Areas:

Seed Mix B: Streambank Seed Mix

SPECIES	COMMON NAME	PLS LBS/ACRE
	WESTERN	
<i>Agropyron smithii</i>	WHEATGRASS	4.000
<i>Andropogon</i>		
<i>gerardii</i>	BIG BLUESTEM	4.000
<i>Avena sativa</i>	OATS	20.000
<i>Bouteloua</i>		
<i>curtipendula</i>	SIDEOATS GRAMA	4.000
<i>Elymus canadensis</i>	CANADA WILD RYE	6.400

<i>Elymus virginicus</i>	VIRGINIA WILD RYE	6.400	
<i>Lolium multiflorum</i>	ANNUAL RYE	5.000	
<i>Panicum virgatum</i>	SWITCHGRASS	2.400	
<i>Schizachyrium scoparium</i>	LITTLE BLUESTEM PRAIRIE	4.000	3.1
<i>Spartina pectinata</i>	CORDGRASS	0.400	
<i>Sorghastrum nutans</i>	INDIANGRASS	8.000	
	TOTAL	64.600	

D. Seed mixture for Native Grass Buffer Areas:

Seed Mix C: Buffer Seed Mix

SPECIES	COMMON NAME	PLS LBS/ACRE	
<i>Andropogon gerardii</i>	BIG BLUESTEM	2.000	
<i>Bouteloua curtipendula</i>	SIDEOATS GRAMA	1.500	3.
<i>Cassia chamaecrista</i>	SHOWY PARTRIDGE PEA	2.000	
<i>Dalea purpurea</i>	PURPLE PRAIRIECLOVER	1.452	
<i>Desmanthus illinoensis</i>	ILLINOIS BUNDLEFLOWER	2.000	
<i>Elymus canadensis</i>	CANADA WILD RYE	1.500	3.
<i>Panicum virgatum</i>	SWITCHGRASS	0.500	
<i>Ratibida columnifera</i>	UPRIGHT CONEFLOWER	0.363	
<i>Ratibida pinnata</i>	GRAYHEAD CONEFLOWER	0.408	
<i>Rudbeckia hirta</i>	BLACK-EYED SUSAN	0.363	
<i>Schizachyrium scoparium</i>	LITTLE BLUESTEM	2.000	
<i>Sorghastrum nutans</i>	INDIANGRASS	2.000	
	TOTAL	16.086	

2.4 MULCHES

- A. Mulching Material: Dry-cured prairie hay, threshed oat or wheat straw, reasonably free from weeds, foreign matter detrimental to plant life, and in dry condition. Alfalfa, brome hay and chopped cornstalks are not acceptable.

2.5 EROSION CONTROL MATERIALS

A. Erosion Control Blanket:

1. Biodegradable wood excelsior, straw, or coconut-fiber mat enclosed in a photodegradable plastic mesh. Include manufacturer's recommended steel wire staples or wooden stakes.
  - a. North American Green, C125 Double Net Coconut Blanket, or Engineer approved equivalent.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine areas to receive seed for compliance with requirements and other conditions affecting performance. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.2 PREPARATION

- A. Protect structures, utilities, sidewalks, pavements, and other facilities, trees, shrubs, and plantings from damage caused by planting operations.
- B. Provide erosion-control measures to prevent erosion or displacement of soils and discharge of soil-bearing water runoff or airborne dust to adjacent properties and walkways.
- C. Remove foreign materials, plants, roots, stones, and debris, from site. Do not bury foreign material.
- D. Cultivate to depth of 3 inches, area to receive topsoil. Repeat cultivation to areas where equipment has compacted subgrade.

### 3.3 SPREADING TOPSOIL

- A. Spread topsoil to depth of 6 inches over area to be seeded to bring elevation to finish grade. Place during dry weather, and on dry unfrozen subgrade.

### 3.4 SEEDBED PREPARATION

- A. Cultivate topsoil to depth of 4 inches with mechanical tiller, disk, cultivator or similar implement. Cultivate inaccessible areas by hand. Rake until surface is smooth.
- B. Remove from site foreign materials collected during cultivation.
- C. Roll site with a cultipacker or similar implement to firm soil and crush large clods. Soil shall be considered firm when walking on the site leaves no more than a 1/2" depression in the soil.

### 3.5 SEEDING

- A. The Contractor shall notify the Engineer at least 48 hours in advance of the time he intends to begin work and shall not proceed with such work until permission to do so has been granted by the Engineer.
- B. For streambank (Seed Mix B), seed shall be installed using a native grass drill equipped to handle light, fluffy native seeds.
  - 1. Apply seed at the rates specified for each mix
  - 2. Apply seed 1/4 inch to 1/2 inch deep.
  - 3. Do not seed area(s) in excess of that which can be mulched or covered with erosion control blanket on the same day.
  - 4. Immediately following seeding, apply mulch or erosion control blanket as specified.

5. Do not use wet seed or seed that is moldy or otherwise damaged

### 3.6 MULCHING AND SEED PROTECTION

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- A. Mulch shall be either dry cured native hay or threshed grain straw. Hay or straw shall be free from seeds of noxious weeds and relatively free from seeds of all other weeds.
  1. The Contractor shall apply protective mulch immediately following and on the same day of the seeding, unless otherwise directed by the Engineer. The mulch shall be applied with a mulch blowing machine or other approved methods at the rate of 1.5 tons per acre for threshed grain straw or 2.0 tons per acre for dry cured native hay.
  2. Do not apply mulch to streambank seeding areas where erosion control blanket will be installed.
  3. Immediately following the spreading of the mulch, the material shall be anchored to the soil by using a straight serrated disk machine with disks spaced no farther than 8 inches apart, weighted to press the mulch into the soil. The mulch material is to be firmly anchored into the soil.
- B. Erosion control blanket shall be installed on the disturbed or newly created streambanks. In locations adjacent to created wetlands the blanket shall cover from the bottom of the 10:1 slope up to the edge of disturbance. In other restored streambank areas, the blanket shall cover from the bottom of the 4:1 slope or from the normal water level of the stream up to the edge of disturbance.
  1. The Contractor shall install erosion control blanket immediately following and on the same day of the seeding, unless otherwise directed by the Engineer
  2. Install erosion control blanket as specified in Section 02246 of this Specification.
  3. Anchor erosion control blanket using wire staples or wooden stakes of the size and quantity recommended by manufactures for site conditions.

### 3.7 SEEDING LOCATIONS

- A. Seed all areas that are disturbed by construction with the correct seed mix for each area as shown in the project plans.
- B. For stockpile seeding requirements see Section 00222, 3.3.E of this Specification.
- C. Any areas disturbed by construction outside of the streambank seeding areas (such as haul roads) shall be restored to their pre-construction grade, seeded with a mixture of 17 PLS lbs. of smooth brome and 32 lbs. of oats, and mulched.

### 3.8 MAINTENANCE

- A. Water and maintain seeded areas as necessary in accordance with seed supplier's recommendations as necessary to establish a dense healthy stand of seeded vegetation.
- B. Reseed and re-establish seeded areas which do not exhibit a healthy stand of the

seeded vegetation at the end of the project guarantee period.

3.9 ACCEPTANCE

- A. Seeded areas will be accepted when seeded areas are properly established and otherwise acceptable.

END OF SECTION



**GENERAL NOTES:**

1. CONTRACTOR TO REMOVE EXISTING 3 STRAND BARBED WIRE FENCE ALONG LINE OF NEW FENCE.
2. CONTRACTOR TO GRUB/GRADE SITE ALONG FENCLINE 6' EACH SIDE, IN ORDER TO SMOOTH OUT HIGH/LOW SPOTS ALONG THE LENGTH.
3. CONTRACTOR TO VERIFY ALL GATE LOCATIONS WITH OWNER BEFORE INSTALLATION.
4. COORDINATE WITH OWNER BEFORE PLACEMENT OF NEW FENCE TO ENSURE APPROPRIATE LOCATION WITH THE PROPERTY LINE.
5. CONTRACTOR RESPONSIBLE FOR LOCATING ALL UTILITIES ON SITE BEFORE INSTALLATION CAN BEGIN. COST OF PRIVATE LOCATE WILL BE PAID BY CONTRACTOR.
6. CONTRACTOR TO SURVEY PROPERTY LINE PRIOR TO INSTALLING NEW FENCE. PROPERTY LINE OFF OF COUNTY RD WILL NOT NEED TO BE SURVEYED.

**SITE PLAN**

SCALE: 1" = 1,000'



Nebraska Army National Guard  
 Adjutant General MG Judd H. Lyons  
 Conist & Facilities Mgmt Office  
 1300 Military Road  
 Lincoln, Nebraska 68508  
 PHONE: 402-309-7480  
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**Perimeter Security Fence**  
**CATS-MEAD TRAINING SITE**  
 Nebraska Army National Guard

**SITE PLAN**

JOB NO: XXXXXXXX  
 DRAWN BY: CFMO OFFICE  
 ISSUE DATE: 14 AUG 12  
 REVISION NO: XXX

SHEET:  
**C1 R**  
 3 OF 5