Roane County Purchasing Department
200 East Race Street, Suite #3
Kingston, Tennessee 37763
Phone 865-376-4317 - Fax 865-376-4318

ADDENDUM #1
BID 2015-17/171
PARK SITE STABILIZATION

TO: All Potential Bidders

This addendum forms part of the Bid Documents. It supplements and modifies them as follows:

ITEM #1 – ADDITIONAL INFORMATION

Questions and answers on the following page.

Please return this addendum to the Purchasing Department in the bid envelope. If your bid has already been sent and this addendum does not pertain to bid pricing, you may return it via facsimile.

ACKNOWLEDGMENT OF ADDENDUM

The undersigned acknowledges receipt of Addendum #1 – Bid #2015-17/171.

_____
Name

_____
Title

1. The Jute Thatching we are having a hard time finding that exact type of material. Do you have a spec sheet on this or a manufacturer's number?

MCG ans.: see attached, contract can submit equivalent product during construction.

2. In the walk through that was done on the property our estimator couldn't see where the Jute thatching would go according to the plans given. Do you know quantities and or location of the jute thatching?

MCG ans.: The erosion control blanket (jute matting) should be installed over the entire area to be tilled, top soiled and seeded. The erosion control matting is being used instead of straw due to the location of the work being susceptible to windy conditions and to reduce erosion while the grass becomes established.

3. Also the estimator noticed that the majority of the property had a good stand of vegetation, but according to the plans we are to till the entire area. Do we estimate repairing the entire area or just the bare spots?

MCG ans.: the entire area shall be prepared as described in the specifications, which generally consists of residual soil preparation, tilling, furnish and place topsoil, seed, apply fertilizer and install erosion control matting.

4. The area about 3' up from the retaining wall seems to be in worse shape than other areas, but is excluded from the plans. Do we estimate repairs all the way down to the retaining wall or just by what the plans specify?

MCG ans.: the exhibit shows the limits of the area in the incorrect place. The project limits should extend all the way to the retaining wall.

5. How many days for the project?

MCG ans.: project should be completed within 21 days

ROLLMAX™
ROLLED EROSION CONTROL

Specification Sheet – EroNet™ SC150® Erosion Control Blanket

DESCRIPTION

The extended-term double net erosion control blanket shall be a machine-produced mat of 70% agricultural straw and 30% coconut fiber with a functional longevity of up to 24 months. (NOTE: functional longevity may vary depending upon climatic conditions, soil, geographical location, and elevation). The blanket shall be of consistent thickness with the straw and coconut evenly distributed over the entire area of the mat. The blanket shall be covered on the top side with a heavyweight photodegradable polypropylene netting having ultraviolet additives to delay breakdown and an approximate 0.63 x 0.63 in (1.59 x 1.59 cm) mesh, and on the bottom side with a lightweight photodegradable polypropylene netting with an approximate 0.50 x 0.50 (1.27 x 1.27 cm) mesh. The blanket shall be sewn together on 1.50 inch (3.81 cm) centers with degradable thread. The blanket shall be manufactured with a colored thread stitched along both outer edges (approximately 2-5 inches [5-12.5 cm] from the edge) as an overlap guide for adjacent mats.

The SC150 shall meet Type 3.B specification requirements established by the Erosion Control Technology Council (ECTC) and Federal Highway Administration's (FHWA) FP-03 Section 713.17

Material Content		
Matrix	70% Straw Fiber 30% Coconut Fiber	0.35 lbs/sq yd (0.19 kg/sm) 0.15 lbs/sq yd (0.08 kg/sm)
Netting	Top: Heavyweight photodegradable with UV additives	3 lbs/1000 sq ft (1.47 kg/100 sm)
	Bottom: lighweight photodegradable	1.5 lb/1000 sq ft (0.73 kg/100 sm)
Thread	Degradable	

Standard Roll Sizes			
Width	6.67 ft (2.03 m)	8 ft (2.4 m)	16.0 ft (4.87 m)
Length	108 ft (32.92 m)	112 ft (34.14 m)	108 ft (32.92 m)
Weight ± 10%	44 lbs (19.95 kg)	55 lbs (24.95 kg)	105.6 lbs (47.9 kg)
Area	80 sq yd (66.9 sm)	100 sq yd (83.61 sm)	192 sq yd (165.6 sm)

Index Property	Test Method	Typical
Thickness	ASTM D6525	0.35 in. (8.89 mm)
Resiliency	ECTC Guidelines	75%
Water Absorbency	ASTM D1117	342%
Mass/Unit Area	ASTM D6475	7.87 oz/sy (267.6 g/sm)
Swell	ECTC Guidelines	30%
Smolder Resistance	ECTC Guidelines	Yes
Stiffness	ASTM D1388	1.11 oz-in
Light Penetration	ASTM D6567	6.2%
Tensile Strength - MD	ASTM D6818	362.4 lbs/ft (5.37 kN/m)
Elongation - MD	ASTM D6818	29.4%
Tensile Strength - TD	ASTM D6818	136.8 lbs/ft (2.03 kN/m)
Elongation - TD	ASTM D6818	27.6%
Biomass Improvement	ASTM D7322	481%

Design Permissible Shear Stress	
Unvegetated Shear Stress	2.00 psf (96 Pa)
Unvegetated Velocity	8.0 fps (2.44 m/s)

Slope Design Data: C Factors			
	Slope Gradients (S)		
Slope Length (L)	≤ 3:1	3:1 – 2:1	≥ 2:1
≤ 20 ft (6 m)	0.001	0.048	0.100
20-50 ft	0.051	0.079	0.145
≥ 50 ft (15.2 m)	0.10	0.110	0.190

NTPEP Large-Scale Slope
ASTM D6459 - C-factor = 0.031

Roughness Coefficients – Unveg.	
Flow Depth	Manning's n
≤ 0.50 ft (0.15 m)	0.050
0.50 – 2.0 ft	0.050-0.018
≥ 2.0 ft (0.60 m)	0.018

Tensar®
NORTH AMERICAN GREEN®

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