

COUNTY of KANE
PURCHASING DEPARTMENT
KANE COUNTY GOVERNMENT CENTER

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December 6, 2017

ADDENDUM 1

BID No. & Title: 02-018 SETTLERS HILLS CROSS COUNTRY COURSE

The attention of bidders is called to the following changes, clarifications and/or additions/deletions to the original bid document and they shall be taken into account in preparing the proposal and shall be part of the contract.

CLARIFICATIONS

Q1. Request for existing and proposed contours in CAD format.

Response: An AutoCAD file has been provided under separate cover. A PDF file of the AutoCAD file is attached for reference.

Q2. Are there liquidated damages for the project?

Response: Yes, clarifications and requirements will be coming via Addendum 2.

Q3. The plan show propex pyramat, Can you specify what sku you are requiring?

Response: Pyramat is a specific product. A Pyramat cut sheet is attached for reference.

Q3. The plan showed coconut straw rolls; can you specify which type-coconut or straw required?

Response: The coconut straw roll is meant to refer to the Rolled Erosion Control Product (IUM-514) referenced on Sheet 11. A particular coconut fiber and/or straw composition is not required.

Q4. I noticed on the construction details that they are calling for IDOT Gradation No. 2, 6, and 7. What IDOT gradation meant?

Response: IDOT Gradation No. 2, 6, and 7 refers to the work specified in Section 4.9 Riprap. Riprap material shall conform to the requirements of IDOT Standard Specifications Section 1005.01; sizes and weight gradations are provided in 1005.01 (c) (1) Stone for Erosion Protection or Sediment Control.

Q5. Request for clarification for spoilage disposal from drilling the new wells: can spoilage be disposed of on-site, or will it have to be transported to an active landfill?

Response: Spoilage from drilling new wells shall be transported off-site to an active landfill and legally disposed.

Q6. Request for clarification whether the construction start is to be delayed until Heartland receives 200,000 CY of material.

Response: Construction is to start as soon as practical, in the spring of 2017. Approximately 20,000 CY of material have been delivered to the site as of December 1, 2017.

Q7. Will electronic AutoCAD plans be available during the bid phase?

Response: An AutoCAD file showing existing and proposed contours, as well as some limited geometric information, is being made available to Bidders. (See Question 1.)

Q8. Request for clarification on the purpose of Bid Item 18 (5 tons of stone, Aggregate Base Course, Leveling).

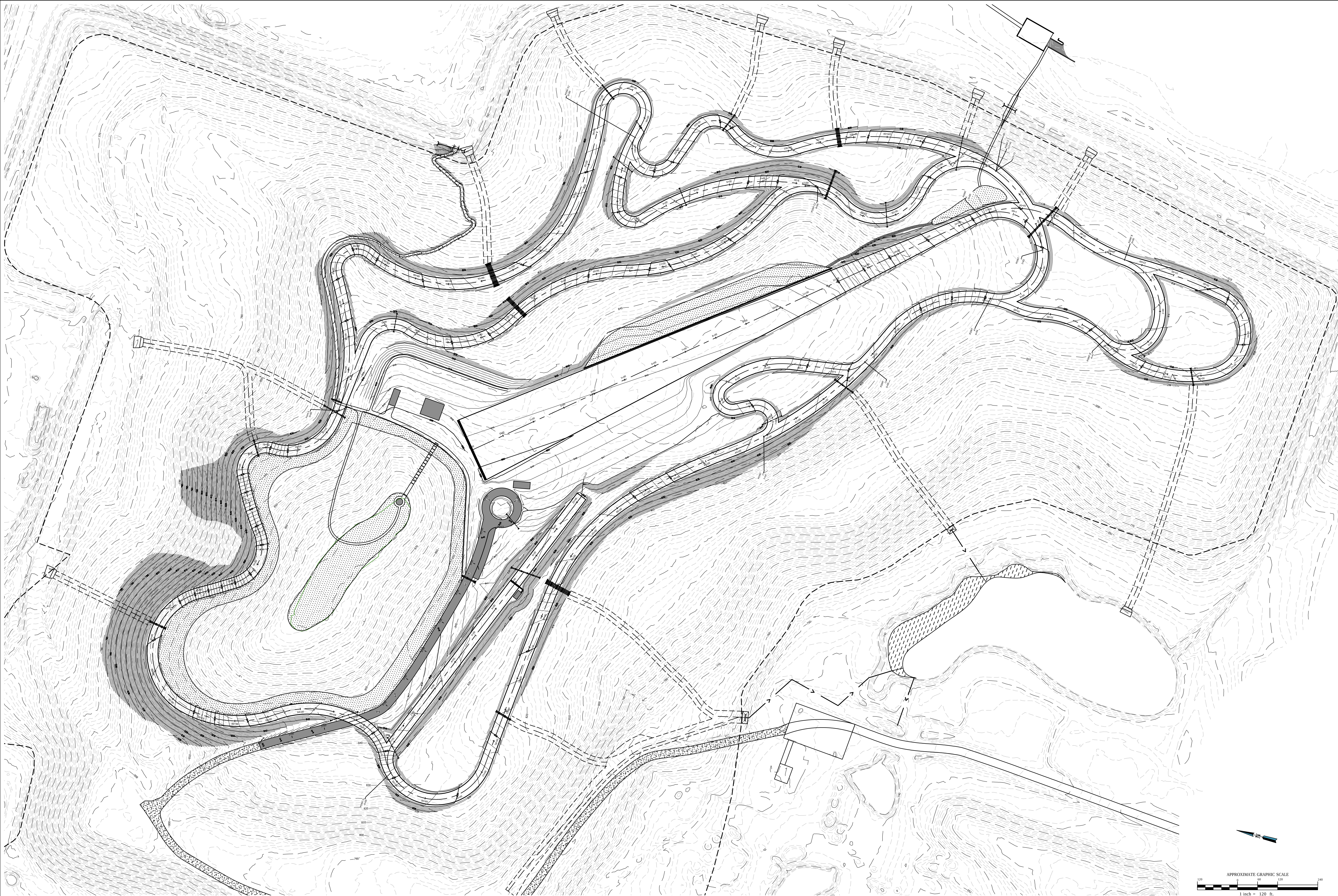
Response: Detail 2 on Sheet 06 is the typical section for this work. Aggregate (CA-6) will be placed and compacted in the maintenance drive/road as directed by the Engineer or the County to maintain a drivable access route for Waste Management personnel.

Q9. Request for clarification on designated haul routes.

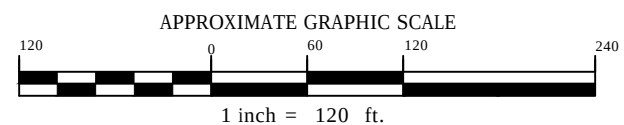
Response: We anticipate the Contractor will use the existing maintenance drive as much as practical. The Contractor can set haul routes to suit construction and operational requirements. The Contractor should note that any damage, rutting, or wear to the existing landfill cap/cover shall be repaired at no additional cost and is cautioned that the cap/cover is particularly susceptible to rutting when wet.

Please notice of the mandatory pre-bid meeting on December 7, 2017. Bid due date is December 21, 2017 at 3 p.m., please submit your bid response accordingly and confirm your receipt of Addendum 1.

Sincerely,
Tim Keovongsak, Buyer II
Kane County Purchasing Department



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PREPARED FOR:
KANE COUNTY DEPARTMENT OF
FACILITIES, DEVELOPMENT AND
ENVIRONMENTAL RESOURCES
719 S. BATAVIA, BLDG A
GENEVA, IL 60134

SETTLERS HILL CROSS COUNTRY COURSE
OVERALL GRADING PLAN
KANE COUNTY, ILLINOIS

REVISION DESCRIPTION		DATE
No.	1	11/15/2017
ISSUED FOR BID		



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DRAWN BY: JDT
REVIEWED BY: MKK/JTT
DATE: 12/5/2017
FILE: 3565-300-32
CAD: Settlers Hill - Grading Only.dwg

Overall Grading



PYRAMAT®
BY PROPEX

Supporting a Stable Tomorrow...
Saving You Time, Money, and Resources



**Infrastructure
Solutions**

GEOSYNTHETICS

**CONCRETE
REINFORCEMENT**

**SOIL & EROSION
CONTROL**

PYRAMAT® high performance turf reinforcement mat (HPTRM) is a three-dimensional, lofty, woven polypropylene geotextile. Patented material is specially engineered for superior erosion control on steep slopes and vegetated waterways.

APPLICATIONS

PYRAMAT® HPTRMs deliver the highest specification requirements for slopes and channels. These high performance turf mats are equipped to handle the most demanding erosion control applications.

- Steep slopes
- Channels
- Vegetated waterways
- When extra factor of safety is required
- The preferred HPTRM in arid and semi-arid environments

FEATURES & BENEFITS

You can expect the following features and benefits from PYRAMAT® HPTRMs:

- Patented construction is 10X stronger than traditional TRMs
- 3D matrix composed of polypropylene monofilament yarns featuring X3® fiber technology for faster root mass development
- Demonstrates superior UV resistance for 50 year design life
- Promotes infiltration of surface water
- Resists heavy duty non-hydraulic stresses
- Engineered percent open area to provide both short-term and long-term protection
- Environmentally-friendly solution for improving groundwater quality and protecting wildlife
- Available in green or tan

SAVINGS & ADVANTAGES

You can expect this highly engineered performance product to provide up to 80% cost savings over traditional hard armored solutions. Easy installation and fewer worries about call backs to repair or update the work.



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GEOSOLUTIONS



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For questions about Pyramat® and other products:
Call our technical help hotline at 1-800-214-2737 or visit us online at
Propexglobal.com by scanning the QR code with your smart phone.





PYRAMAT® high performance turf reinforcement mat (HPTRM) is a three-dimensional, lofty, woven polypropylene geotextile that is available in green or tan which is specially designed for erosion control applications on steep slopes and vegetated waterways. The matrix is composed of polypropylene monofilament yarns **featuring X3® technology** woven into a uniform configuration of resilient pyramid-like projections. The material exhibits very high interlock and reinforcement capacity with both soil and root systems, demonstrates superior UV resistance, and enhances seedling emergence.

PYRAMAT conforms to the property values listed below¹ and is manufactured at a Propex facility having achieved ISO 9001:2000 certification. Propex performs internal Manufacturing Quality Control (MQC) tests that have been accredited by the Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP). This product is NTPEP approved for AASHTO standards.

MARV²

PROPERTY	TEST METHOD	ENGLISH	METRIC
ORIGIN OF MATERIALS			
% U.S. Manufactured Inputs		100%	100%
% U.S. Manufactured		100%	100%
PHYSICAL			
Mass/Unit Area	ASTM D-6566	13.5 oz/yd ²	457.7g/m ²
Thickness	ASTM D-6525	0.4 in	10.2 mm
Light Penetration (% Passing)	ASTM D-6567	15% (Max)	15% (Max)
Color	Visual	Green or Tan	
MECHANICAL			
Tensile Strength (Grab)	ASTM D-6818	4000 x 3000 lb/ft	58.4 x 43.8 kN/m
Elongation	ASTM D-6818	40 x 35%	40 x 35%
Resiliency	ASTM D-6524	80%	80%
Flexibility	ASTM D-6575	0.534 in-lb (avg)	615,000 mg-cm (avg)
ENDURANCE			
UV Resistance % Retained 6000 hrs	ASTM D-4355	90%	90%
UV Resistance % Retained 10000 hrs	ASTM D-4355	85%	85%
PERFORMANCE			
Velocity ³ (Fully Vegetated)	Large Scale	25 ft/sec	7.6 m/sec
Shear Stress ³ (Fully Vegetated)	Large Scale	16lb/ft ²	766 Pa
Manning's "n" ⁴ (Unvegetated)	Calculated	0.028	0.028
Seedling Emergence ⁴	ECTC Draft Method #4	296%	296%
ROLL SIZES		8.5 ft x 90 ft	2.6 m x 27.4 m

NOTES:

- The property values listed are effective 04/2011 and are subject to change without notice.
- MARV indicates minimum average roll value calculated as the typical minus two standard deviations. Statistically, it yields a 97.7% degree of confidence that any sample taken during quality assurance testing will exceed the value reported.
- Maximum permissible velocity and shear stress has been obtained through vegetated testing programs featuring specific soil types, vegetation classes, flow conditions, and failure criteria. These conditions may not be relevant to every project nor are they replicated by other manufacturers. Please contact Propex for further information.
- Calculated as typical values from large-scale flexible channel lining test programs with a flow depth of 6 to 12 inches.

