

St. Bernard Parish Conformed Copy

Randy S. Nunez
Clerk of Court
St. Bernard Parish Courthouse
Chalmette, LA 70044
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Received From :

ST BERNARD PARISH GOVERNMENT
8201 WEST JUDGE PEREZ DRIVE
ATTENTION: RONNIE ALONZO CAO
CHALMETTE, LA 70043

First MORTGAGOR

ST BERNARD PARISH

First MORTGAGEE

BLD SERVICES LLC

Index Type : MORTGAGES

File Number : 605435

Type of Document : CHANGE

Book : 1820 **Page :** 66

Recording Pages : 4

Description : PROJECT: PALMISANO BLVD DRAINAGE REPAIRS & IMPROVEMENTS CHANGE ORDER 1

Recorded Information

I hereby certify that the attached document was filed for registry and recorded in the Clerk of Court's office for St. Bernard Parish, Louisiana

On (Recorded Date) : 11/21/2016

At (Recorded Time) : 3:44:06PM



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Return To :

ST BERNARD PARISH GOVERNMENT
8201 WEST JUDGE PEREZ DRIVE
ATTENTION: RONNIE ALONZO CAO
CHALMETTE, LA 70043



Change Order No. 001

Date of Issuance: 10/26/16 Effective Date: 10/26/16
 Owner: St. Bernard Parish Owner's Contract No.: HMGP 1603-087-0011
 Contractor: BLD Services, LLC Contractor's Project No.: 16088
 Engineer: GEC Engineer's Project No.:
 Project: Palmisano Blvd. Drainage Repairs & Improvements Contract Name:

The Contract is modified as follows upon execution of this Change Order:

Description: Additional Erosion Control Mat along both sides of the St. Bernard Highway ditch from station 2+00± to station 17+00± requested by owner.

Attachments: See attached cost breakdown for additional erosion control mat lump sum price of \$15,017.53

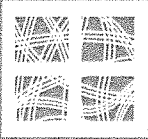
CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIMES [note changes in Milestones if applicable]
Original Contract Price: \$ <u>6,121,059.20</u>	Original Contract Times: 400 Calendar Days Substantial Completion: _____ Ready for Final Payment: _____ days or dates
[Increase] [Decrease] from previously approved Change Orders No. <u>0</u> to No. <u>0</u> \$ <u>0.00</u>	[Increase] [Decrease] from previously approved Change Orders No. <u>0</u> to No. <u>0</u> Substantial Completion: _____ Ready for Final Payment: _____ days
Contract Price prior to this Change Order: \$ <u>6,121,059.20</u>	Contract Times prior to this Change Order: 400 Cal. Days Substantial Completion: _____ Ready for Final Payment: _____ days or dates
[Increase] [Decrease] of this Change Order: \$ <u>15,017.53</u>	[Increase] [Decrease] of this Change Order: 0 Substantial Completion: _____ Ready for Final Payment: _____ days or dates
Contract Price incorporating this Change Order: \$ <u>6,136,076.73</u>	Contract Times with all approved Change Orders: 400 Days Substantial Completion: _____ Ready for Final Payment: _____ days or dates

RECOMMENDED: By: [Signature] Engineer Title: PROJECT ENGINEER Date: 11/02/2016
 ACCEPTED: By: [Signature] Contractor (Authorized Signature) Title: Contractor (Authorized Signature)
 ACCEPTED: By: [Signature] Owner (Authorized Signature) Title: Project Manager Date: 10/26/16

Approved by Funding Agency (if applicable)
 By: _____ Date: _____
 Title: _____

Erosion Mat						
Labor Description	Notes	Daily Cost	Quantity of Days	Cost	Total Cost	
Crew		\$ 1,800.00	2	\$ 3,600.00		
			TOTAL LABOR		\$ 3,600.00	
			Mark Up 20%		\$ 720.00	
Equipment Description						
Crew Equipment		\$ 700.00	1	\$ 700.00		
				\$ -		
				\$ -		
			TOTAL Equipment		\$ 700.00	
			Mark Up 0%		\$ -	
Materials Description						
Land Lock 450		\$ 235.00	25	\$ 5,875.00		
Pins		\$ 1,600.00	1	\$ 1,600.00		
Seed		\$ 500.00	1	\$ 500.00		
Delivery		\$ 400.00	1	\$ 400.00		
			TOTAL Material		\$ 8,375.00	
			Mark Up 15%		\$ 1,256.25	
Subcontractors Description						
Dump Truck/Trailer		\$ 65.00		\$ -		
			TOTAL Subcontractor		\$ -	
			Mark Up 10%		\$ -	
			Total		\$ 14,651.25	
			bonds	2.5%	\$ 366.28	
			Grand Total		\$ 15,017.53	

10/26/2016



LANDLOK
BY PROPEX

Product Data
LANDLOK® 450

LANDLOK® 450 turf reinforcement mat (TRM) features X3® technology that consists of a dense web of crimped, interlocking, multi-lobed polypropylene fibers positioned between two biaxially oriented nets and mechanically bound together by parallel stitching with polypropylene thread. The TRM is designed to accelerate seedling emergence, exhibit high resiliency, and possess strength and elongation properties to limit stretching in a saturated condition. Every component of LANDLOK® 450 is stabilized against chemical and ultraviolet degradation which are normally found in a natural soil environment. Furthermore, the TRM contains no biodegradable components.

LANDLOK® 450 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).

PROPERTY	TEST METHOD	ENGLISH	METRIC
ORIGIN OF MATERIALS			
% U.S. Manufactured Inputs		100%	100%
% U.S. Manufactured		100%	100%

PHYSICAL

Mass/Unit Area ²	ASTM D-6566	10.0 oz./yd ²	339 g/m ²
Thickness ²	ASTM D-6525	0.40 in	10.2 mm
Light Penetration (% Passing) ²	ASTM D-6567	20%	20%
Color	Visual	Green or Tan	

MECHANICAL

Tensile Strength ²	ASTM D-6818	400 x 300 lbs/ft	5.8 x 4.4 kN/m
Elongation ²	ASTM D-6818	50%	50%
Resiliency ²	ASTM D-6524	90%	90%
Flexibility ²	ASTM D-6575	0.026 in-lb	30,000 mg-cm

ENDURANCE

UV Resistance % Retained at 1,000 hrs ²	ASTM D-4355	80%	80%
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PERFORMANCE

Velocity (Vegetated) ^{2,3}	Large Scale	18 ft/sec	5.5 m/sec
Shear Stress (Vegetated) ^{2,3}	Large Scale	10 lb/ft ²	479 Pa
Manning's n (Unvegetated) ^{2,4}	Calculated	0.025	0.025
Seedling Emergence ²	ASTM D-7322	409%	409%

ROLL SIZES

		6.5 ft x 138.5 ft	2.0 m x 42.2 m
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NOTES:

- The property values listed above are effective 07/13/2015 and are subject to change without notice.
- Typical Value.
- 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.



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