



City of Youngsville
Attn: Tim Robichaux
305 Iberia Street
Youngsville, LA 70592

October 13, 2021
LA Contractor 67614

Project: Artificial Turf Replacement for 5-Field Complex

GeoSurfaces, Inc., (herein **GeoSurfaces®**) will provide all materials, labor and equipment necessary to complete the following scope of work at Youngsville Sports Complex, as shown on the attached drawing (actual field dimensions, turf panel configuration and resulting square footage of purchase and/or amount of material shipped, to be determined). **GeoSurfaces** will install the replicated grass and shock pad system on a base and perimeter anchor constructed by **GeoSurfaces** consistent with the requirements in the **GeoGreen®/GeoFlo+®/GeoBase® Installation Guide Specifications**. The fields will include all markings as outlined on the drawing included with this proposal. Final size of sand colored radius to be determined by Owner. Existing logos will be removed from surfaces and reinstalled on new fields. Base anchors will be installed per the direction of the Owner. Bases, pitching rubbers and mounds are excluded.

Commencement of work and shipment of materials shall be in conformance with project specifications and completion of installation shall be per the project schedule agreed to by the parties. Installation will commence following the availability and access to the site by **GeoSurfaces** before December 1, 2021. Installation will be complete in approximately 75 good weather working days.

Total cost of equipment, materials and labor for Layout Plan 2021-3.....\$1,143,800.00

TERMS:

- The cost of permits, engineering fees, or license fees, if applicable, will be provided by Others.
- Materials must be ordered by December 1, 2021 or the terms of the Proposal will be renegotiated.
- Installation must commence on or before January 1, 2022 or the terms of the Proposal will be renegotiated.
- All electrical or plumbing work is excluded.
- Survey points for the placement of the fields and any engineering is excluded. Fields will be placed in existing locations.
- All mounds and bases will be provided by Owner.
- Unmarked water or electrical lines or any other unmarked utilities are the responsibility of the OWNER.
- Access will be as provided by the Owner.
- GeoSurfaces has included no monies to repair any damage done to the natural grass playing surface.
- Installation will commence within 15 days of Purchaser's written notice. Completion will be within the agreed upon good weather working days. "Good weather working days" are defined in the Contract Agreement.
- Taxes will be excluded to Purchaser. Purchaser agrees that any applicable taxes paid by GeoSurfaces will reimburse GeoSurfaces for taxes GeoSurfaces was required to remit.
- A payment and performance bond may be added to this proposal for 2% of the total cost.

Acceptance of Offer to Sell: This offer to sell (Proposal and all attachments) is valid for acceptance by Purchaser by the execution of the Acceptance of Proposal below and return of an original to GeoSurfaces. If the Acceptance of Proposal is not received by GeoSurfaces on or before the Proposal expiration date, this offer to sell shall be deemed automatically cancelled and withdrawn.

Proposal tendered this 13th day of October 2021.

Proposal expires the 1st day of December 2021.

For: **GEOSURFACES, INC.**

For: **City of Youngsville, LA**

By: _____



By: _____

GEOGREEN, GEOFLO+ & GEOBASE INSTALLATION GUIDE SPECIFICATIONS

I. SCOPE OF WORK

GeoSurfaces will provide all labor, materials, equipment and tools necessary for the complete installation of a vertical-to-horizontal draining synthetic turf, in-filled with resilient materials.

The work shall include the following items:

- 1) Begin at existing elevation and remove necessary material to bring field to proper grade and elevation.
- 2) Contour and compact sub-base and laser grade to assure positive water flow to existing collector drains.
- 3) Install GeoBase structural concrete system with perimeter, treated anchor board.
- 4) Install GeoFlo+ drainage blanket over entire base and beyond, terminating over trench drains with 2 feet width of pervious GeoFlo+.
- 5) Install a replicated grass, fiber will be a minimum 120 Micron, a maximum 2.0 mm width, 100% polyethylene fiber, measuring a maximum of 2 inches high, stitched in a maximum 1/2 inch gauge.
- 6) Install resilient infill system (including ¼" ballast layer) consisting of a specifically formulated mixture of rubber. Infuse infill mixture into synthetic grass in multiple applications.
- 7) Install markings and colors as outlined in the agreed upon shop drawing.

II. REPLICATED GRASS

A. SPECIFICATIONS:

The GeoGreen replicated grass material and resilient infill shall be in accordance with the following:

- 1) The fiber will be a minimum 120 Micron, a maximum 2.0 mm width, non-abrasive, 100% polyethylene fiber, measuring a maximum of 2 inches high, stitched in a maximum 1/2 inch gauge. The tufted weight shall not be less than 72 ounces per square yard. The fiber shall be 100% polyethylene, (no polypropylene blend permitted), treated with UV inhibitor and shall be tufted at a yarn weight of 45 ounces per square yard.
- 2) The fiber tufts shall be fanned or unfolded prior to installation and will not exhibit rolling or spiraling.
- 3) The turf backing shall be a dual layer primary coated with a 20-ounce urethane secondary backing, tufted with a 100% polyethylene yarn.
- 4) The replicated grass shall be delivered in 15 feet or 12 feet wide rolls. The rolls of turf shall be of sufficient length to go from sideline to sideline. Head seams between the sidelines will not be acceptable.
- 5) Field sidelines and end lines shall be tufted or inlaid into the individual rolls at the option of GeoSurfaces.
- 6) Other markings may be permanently installed, in situ, at an additional cost clearly delineated under alternate cost options.
- 7) The infill material shall consist of a non-compacting specifically graded, granulated crumb rubber above a ¼" ballast layer. These materials shall be as designated by GeoSurfaces and delivered to the job site in appropriate containers.
- 8) The GeoFlo+ drainage blanket shall be delivered in 4 feet wide panels.

B. PHYSICAL PERFORMANCE CRITERIA:

The replicated grass surface shall demonstrate by independent, certified laboratory testing:

- A minimum average *Tuft-Bind* (ASTM D-1335) of 8 lbs/force.
- A minimum breaking strength (ASTM D-2256) of 250/250 (x and y direction) lbs/force.
- An initial G-Max (ASTM F-355-A) for the GeoGreen replicated grass of less than 100 in conjunction with GeoFlo+ drainage blanket and shock pad.
- An Ultimate G-max (TSI 128) for the GeoGreen replicated grass of 200 in conjunction with GeoFlo+ dynamic drainage blanket and shock pad.

III. INSTALLATION

A. BASE CONSTRUCTION :

Specific design criteria must include the following. Adjustments to the existing base will be billed as additional work:

- 1) The sub-base must slope a minimum of 1/4% (to a maximum of 1%) from the centerline of the field toward the perimeter.
- 2) After sub-base has been properly graded, contoured and sloped as required, it shall be compacted using a three to ten ton vibratory roller, as close as possible to 92% Proctor Density.
- 3) Install a GeoBase structural concrete base with perimeter anchor board
- 4) To the outside of the concrete anchor and inside the existing or newly built backstop wall, a trench drain shall be installed along both sides of the field ending at the dugouts. The trench drains shall contain flexible, 8" perforated, single wall pipe and shall be filled with 1/4"-3/4" inch clean, fractured stone as is typical. Drains shall be properly graded to insure positive flow of water to outflow. The drains shall be connected to the existing outflows.

B. GeoFlo+ SHOCK PAD & DRAINAGE BLANKET INSTALLATION:

- 1) GeoSurfaces will establish finished grade of the GeoBase structural base, before installing the GeoFlo+ shock pad. Base should not deviate from specified finish grade by more than 1/2 inch under ten feet straight edge.
- 2) The GeoFlo+ shock pad will be installed along full end-to-end length of the field, The installation of the panels of GeoFlo+ will continue in this manner until over the open stone of the perimeter collector drains, where a 2' wide row of pervious (perforated) GeoFlo+ will be placed, in the same manner. The GeoFlo+ row nearest the crown of the field will be trimmed in width to allow precise fit of the necessary width of the GeoFlo+. The rows of GeoFlo+ will be bonded and moisture sealed, using a pressure-sensitive tape or a clip system, as supplied by GeoSurfaces. All seams will be sufficiently tight to leave no gaps or irregularities that could reflect through the synthetic grass surface, however, care should be taken to maintain a minimum 1/4 inch separation to allow for thermal expansion. The shock pad may be temporarily held in place by stapling to wood nailer, every few feet.
- 3) The shock pad will consist of an EPP core, covered with a geotextile fabric.
- 4) Total weight of blanket will be a minimum of 8 oz./sy and capable of accepting a compressive load of 8,000 psf, without crushing and while maintaining measurable flow.
- 5) The thickness of the blanket will be a minimum of 14 mm.

C. REPLICATED GRASS INSTALLATION:

- 1) The replicated grass will be installed along the length of the field and cover the full width as shown in the engineering drawings. The carpet rolls are to be installed directly over the properly prepared shock pad & dynamic drainage blanket base. Extreme care should be taken to avoid disturbing the drainage blanket. The full width rolls shall be laid out across the field. Utilizing standard state-of-the-art bonding procedures, each roll shall be attached to the next. When all of the rolls of the playing surface have been installed, the sideline areas shall be installed at right angles to the playing field turf. Turf shall be attached, by industrial rustproof staples directly to wood nailer, around perimeter of field at maximum three-inch (3 inch) intervals.
- 2) The replicated grass rolls shall be installed so that tufted lines are placed as shown on manufacturer's drawing, which drawing shall be pre-approved by Purchaser prior to manufacture of replicated grass. The same drawing shall also show location of all optional in situ permanent lines or markings.
- 3) Immediately after brushing with a motorized rotary nylon broom, the blended infill material shall be spread evenly by using a drop or broadcast spreader (minimum 5 foot wide), in multiple applications, each no more than 15% of the total application, at a uniform rate. Between applications, and just prior and subsequent to infilling the area shall be brushed with the motorized broom. Infill depth will be 1.0 inch (1.25" +/- 0.1"), infill material to be uniformly incorporated into the replicated grass system.

PROJECT CLOSEOUT/WARRANTY: Upon final acceptance or first use of the finished sports field (whichever occurs first) the GeoSurfaces 8-Year Warranty becomes effective, which warranty shall be the only warranty obligation by GeoSurfaces to the Owner.



Youngsville Sports Complex

Youngsville, LA



Baseball Fields Layout Plan #2021-3

Date: October 7, 2021

Scale: 1" = 80'

Dwg. No. 08018073

