



December 6, 2013

Todd Vesely  
Director of Athletics  
Ector County Independent School District  
802 N. Sam Houston  
Odessa, Texas 79761

RE: Ector County ISD  
Odessa High School Baseball Field  
Permian High School Baseball Field  
Ratliff Stadium Two (2) Softball Fields – **Revised to include removable panels at all fields**

Dear Mr. Vesely,

**Hellas Construction, Inc.** is pleased to provide this Proposal for the construction of synthetic turf baseball fields at Odessa High School and Permian High School and two softball fields at Ratliff Stadium. Purchasing through 1GPA cooperative.

General Conditions

**Hellas** will:

1. Provide project Insurance, Supervision and Mobilization.
2. Provide construction surveying, layout and staking.
3. Provide performance and payment bonds.
4. Provide, prior to construction, engineered construction drawings.
5. Provide our standard SWPPP prior to construction commencing.
6. Provide erosion control measures as required by SWPPP.
7. Provide an updated monthly schedule.
8. Provide a trench safety plan as required.
9. Conduct a monthly construction site meeting.
10. Provide final punch-out and clean-up of the completed project.

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## ODESSA HIGH SCHOOL

### Project Set Up

#### **Hellas** will:

1. Locate all underground utilities and protect for duration of project.
2. Locate and cap irrigation lines outside edge of baseball field
3. Set up construction entrance for access to field.
4. Install erosion control measures as required.

### Excavation

#### **Hellas** will:

1. Excavate to design subgrade elevation at all areas to receive synthetic turf.
2. Haul all excavated materials to owner designated location within five miles of project. Stockpile materials.
3. Proof roll subgrade to check for any soft or yielding soils.
4. Scarify moisture condition and compact subgrade to proper planarity and density.

### Concrete

#### **Hellas** will:

1. Construct approximately 1,267 lineal feet 6" x 12" concrete curb, reinforced with two (2) #4 rebar at the perimeter of the synthetic turf area. Curb to be constructed in any location where there is not a concrete structure to use as a connection for the synthetic turf.
2. Construct 6" x 12" concrete curb at the perimeter of the pitcher's mound.

### Synthetic Turf Field

#### **Hellas** scope of work:

1. Collector Pipe – Provide and install perforated collector pipe, per engineered drawing. Pipe to daylight approximately 15' outside field at right field and left field.
2. Impervious Liner – Provide and install 20 mil HDPE impervious liner over subgrade, under perimeter collector pipe and attach to perimeter curb, or other perimeter concrete, and nailer.
3. Nailer – Provide and install ±1,630 lineal feet of pressure treated 2" x 4" nailer at edges of synthetic turf.
4. Composite Flat Drain – Provide and install 1" x 12" Hydraway 2000 composite flat drain in herringbone pattern, 30' on center, draining to the interior and perimeter collector pipe.
5. Drainage Stone – Provide and place minimum 4" permeable base stone and 2" permeable finish stone; each course laser graded and compacted to proper planarity and density.





6. Synthetic Turf - Provide and install approximately 127,248 square feet of **Matrix™ 42 oz.** 100% Polyethylene Extruded Monofilament synthetic turf system with the noted installation options listed below. Includes approximately 21' x 58' turf area at bull pen along third base line.
- Outfield and Infield areas in Green turf
  - Bases and home plate circle in Camel colored turf
  - 15' wide warning track at perimeter of field in Camel colored turf
  - Provide one set of replacement panels: home plate circle and bases
  - Baseball lines and markings permanently install in white turf
  - Proprietary "RealFill" (patent no. 6,800,339 B2) installation of selectively graded aggregate and SBR rubber
  - Supply one (1) tow-behind ground-driven sweeper/groomer
  - Gmax testing
  - Provide 8-year manufacturer warranty
  - Provide third party insured warranty

***After synthetic turf installation is complete, Hellas will provide an operation and maintenance orientation for care of the turf field, and all of the supplied equipment quoted above.***

#### Pitcher's Mound

**Hellas** scope of work:

1. Construct standard 18' diameter pitcher's mound in clay. Plateau of mound and pitcher's rubber to be 10" higher than home plate.

#### Bull Pen

**Hellas** scope of work:

1. Construct bull pen mound area, approximately 15' x 21' mound in clay with three (3) pitching rubbers. Plateau of mound and pitcher's rubber to be 10" higher than home plate.

#### Athletic Equipment

**Hellas** scope of work:

1. Provide and install one (1) set of bases with concrete foundations at field.
2. Provide and install one (1) home plate with concrete foundation at field
3. Provide and install one (1) pitcher's rubber at field.
4. Provide and install three (3) pitcher's rubbers at bullpen.
5. Three (3) home plate marks at bullpen to be inlaid in white turf.





## PERMIAN HIGH SCHOOL

### Project Set Up

#### **Hellas** will:

1. Locate all underground utilities and protect for duration of project.
2. Locate and cap irrigation lines outside edge of baseball field
3. Set up construction entrance for access to field.
4. Install erosion control measures as required.

### Excavation

#### **Hellas** will:

1. Excavate to design subgrade elevation at all areas to receive synthetic turf.
2. Haul all excavated materials to owner designated location within five miles of project. Stockpile materials.
3. Proof roll subgrade to check for any soft or yielding soils.
4. Scarify moisture condition and compact subgrade to proper planarity and density.

### Concrete

#### **Hellas** will:

1. Construct approximately 1,163 lineal feet 6" x 12" concrete curb, reinforced with two (2) #4 rebar at the perimeter of the synthetic turf area. Curb to be constructed in any location where there is not a concrete structure to use as a connection for the synthetic turf.
2. Construct 6" x 12" concrete curb at the perimeter of the pitcher's mound.

### Synthetic Turf Field

#### **Hellas** scope of work:

1. Collector Pipe – Provide and install perforated collector pipe, per engineered drawing. Pipe to daylight approximately 15' outside field at right field and left field.
2. Impervious Liner – Provide and install 20 mil HDPE impervious liner over subgrade, under perimeter collector pipe and attach to perimeter curb, or other perimeter concrete, and nailer.
3. Nailer – Provide and install ±1,646 lineal feet of pressure treated 2" x 4" nailer at edges of synthetic turf.
4. Composite Flat Drain – Provide and install 1" x 12" Hydraway 2000 composite flat drain in herringbone pattern, 30' on center, draining to the interior and perimeter collector pipe.
5. Drainage Stone – Provide and place minimum 4" permeable base stone and 2" permeable finish stone; each course laser graded and compacted to proper planarity and density.





6. **Synthetic Turf** - Provide and install approximately 129,435 square feet of **Matrix™ 42 oz.** 100% Polyethylene Extruded Monofilament synthetic turf system with the noted installation options listed below. Includes approximately 17' x 58' turf area at each bull pen along third base line.
- Outfield and Infield areas in Green turf
  - Bases and home plate circle in Camel colored turf
  - 15' wide warning track at perimeter of field in Camel colored turf
  - Provide one set of replacement panels: home plate circle and bases
  - Baseball lines and markings permanently install in white turf
  - Proprietary "RealFill" (patent no. 6,800,339 B2) installation of selectively graded aggregate and SBR rubber
  - Supply one (1) tow-behind ground-driven sweeper/groomer
  - Gmax testing
  - Provide 8-year manufacturer warranty
  - Provide third party insured warranty

***After synthetic turf installation is complete, Hellas will provide an operation and maintenance orientation for care of the turf field, and all of the supplied equipment quoted above.***

#### Pitcher's Mound

**Hellas** scope of work:

1. Construct standard 18' diameter pitcher's mound in clay. Plateau of mound and pitcher's rubber to be 10" higher than home plate.

#### Bull Pen

**Hellas** scope of work:

1. Construct two (2) bull pen mound areas, each approximately 15' x 17' mound in clay with two (2) pitching rubbers. Plateau of mound and pitcher's rubber to be 10" higher than home plate.

#### Athletic Equipment

**Hellas** scope of work:

1. Provide and install one (1) set of bases with concrete foundations at field.
2. Provide and install one (1) home plate with concrete foundation at field
3. Provide and install one (1) pitcher's rubber at field.
4. Provide and install four (4) pitcher's rubbers at bullpen.
5. Four (4) home plate marks at bullpens to be inlaid in white turf.





## RATLIFF STADIUM SOFTBALL

### Project Set Up

#### **Hellas** will:

1. Locate all underground utilities and protect for duration of project.
2. Locate and cap irrigation lines outside edge of each softball field
3. Set up construction entrance for access to field.
4. Install erosion control measures as required.

### Excavation

#### **Hellas** will:

1. Excavate to design subgrade elevation at all areas to receive synthetic turf.
2. Haul all excavated materials to owner designated location within five miles of project. Stockpile materials.
3. Proof roll subgrade to check for any soft or yielding soils.
4. Scarify moisture condition and compact subgrade to proper planarity and density.

### Concrete

#### **Hellas** will:

1. Construct approximately 538 lineal feet 6" x 12" concrete curb, reinforced with two (2) #4 rebar at the perimeter of the synthetic turf area at each field. Curb to be constructed in any location where there is not a concrete structure to use as a connection for the synthetic turf.

### Synthetic Turf Field

#### **Hellas** scope of work:

1. Collector Pipe – Provide and install perforated collector pipe, per engineered drawing. Pipe to daylight approximately 15' outside field at right field and left field.
2. Impervious Liner – Provide and install 20 mil HDPE impervious liner over subgrade, under perimeter collector pipe and attach to perimeter curb, or other perimeter concrete, and nailer.
3. Nailer – Provide and install ±760 lineal feet of pressure treated 2" x 4" nailer at edges of synthetic turf at each field.
4. Composite Flat Drain – Provide and install 1" x 12" Hydraway 2000 composite flat drain in herringbone pattern, 30' on center, draining to the interior and perimeter collector pipe.
5. Drainage Stone – Provide and place minimum 4" permeable base stone and 2" permeable finish stone; each course laser graded and compacted to proper planarity and density.





6. Synthetic Turf - Provide and install approximately 37,633 square feet of **Matrix™ 42 oz.** 100% Polyethylene Extruded Monofilament synthetic turf system at each field, with the noted installation options listed below.
- Outfield area in Green turf
  - Infield "Skinned Area" in Camel colored turf
  - Bases in Green turf
  - Provide one set of replacement panels: boxes at home plate area and bases
  - Softball lines and markings permanently install in white turf
  - Proprietary "RealFill" (patent no. 6,800,339 B2) installation of selectively graded aggregate and SBR rubber
  - Supply one (1) tow-behind ground-driven sweeper/groomer
  - Gmax testing
  - Provide 8-year manufacturer warranty
  - Provide third party insured warranty

***After synthetic turf installation is complete, Hellas will provide an operation and maintenance orientation for care of the turf field, and all of the supplied equipment quoted above.***

Athletic Equipment

**Hellas** scope of work:

1. Provide and install one (1) set of bases with concrete foundations at field.
2. Provide and install one (1) home plate with concrete foundation at field
3. Provide and install one (1) pitcher's rubber at field.

***Lump Sum Proposal - Hellas*** **\$2,832,760.00**

***Allowance for Survey, Geotechnical & Materials Testing*** **\$30,000.00**

***TOTAL PROJECT*** **\$2,862,760.00**

***Lump Sum Proposal based on constructing all four fields in one continuous operation.***

***Pricing above does not include any allowances for stabilization of unsuitable soils at any of the sites.***

***See revised color renderings for colors and layout of synthetic turf.***





*Jack Adams*

Jack Adams  
Senior Estimator  
Hellas Construction, Inc.









