

**Chabot - Las Positas Community College District
Synthetic Turf Removal / Replacement Project
at
Las Positas College Soccer Field
Proposal Form**

At time of the proposal, the following form needs to be filled in and returned with other requested materials. The Owner's unspecified allowance and a unit price for the field and additional work shall be used to determine final price. Proposal shall be all-inclusive of all taxes, fees, etc. All work shall include existing turf removal and repairs to the existing base, and all work shall carry worker's compensation and prevailing wage rates. **The Turf Company may submit multiple products provided each meet the minimum product requirements. Each product shall have its own proposal form and associated documents.**

The contract with the Turf Company shall be with Chabot – Las Positas Community College District.

Turf Company Name: AstroTurf

Submitted Turf Product Name: Rhino Blend 42

Proposed Total Amount: \$ 1,072,000.00

(Total price including product, taxes, delivery and installation of ALL products identified, including removal and disposal of existing turf product, base repairs, installation of new turf, including new shock/ drainage pad and all field striping and markings. Total price shall also include the Owner's Unspecified Allowance and costs associated with a regular maintenance contract for the duration of the field warranty)

The above total project cost (or base bid) is broken down by (or to include) the following costs 1A- 1E which will be the final base bid amount.:

1A. Proposed Turf Unit Price Per Square Foot Amount: \$ 10.29

(Total price including product, taxes, delivery and installation of ALL product identified, including removal and disposal of existing turf product, and installation of new turf, including Hemp-TPE Hybrid Infill, new drainage/ shock pad, and all field striping and markings)

1B. Proposed Base Repair Unit Price Per Square Foot Amount: \$ 0.35

(Total price including all removal of drainage / shock pad, as well as string lining and all field base repair)

1C. Installation and procurement of (4) removable bollards: \$ 6,000

(Total price including all associated demolition and removal required, as well as installation of footing.)

1D. Installation and procurement of (2) protective nets: \$ 15,000

(Total price including all removal and disposal of existing protective netting to be replaced.)

1E. Owner's Non- Specified Allowance: \$ 90,000

The following lump sum costs are in addition to the above Proposed Total Amount, and may be selected at the Discretion of the District at the time of contract execution:

2A. Procurement of (1) Synthetic Turf Groomer and (1) Synthetic Turf Sweeper: \$ 10,500 _____

(Refer to project specifications)

2B. Regular Maintenance Contract Cost for duration of Warranty (per item 3.03 of the Turf Specifications): \$ 25,000.00 _____

The following "per square foot cost" is an optional alternate cost to item 1A for the Turf Company's alternate proposed non-SBR infill material. The alternate cost and infill material may be selected at the Discretion of the District at the time of contract execution:

(Optional) Alternate Non-SBR Infill Product Name: Sand/ Cork Infill System _____

3A. Proposed Turf Unit Price Per Square Foot Amount: \$ 10.10 _____

(Total price including product, taxes, delivery and installation of ALL product identified, including removal and disposal of existing turf product, and installation of new turf, including Turf Company's proposed alternate Non-SBR Infill identified above, new drainage/ shock pad, and all field striping and markings)

Insurance Requirement's for Subcontractors

- Commercial general liability insurance with limits not less than \$1,000,000 per occurrence and \$2,000,000 aggregate.
- Workers' Compensation including Employers' Liability Insurance with limits not less than \$1,000,000 each accident, occurrence or disease and \$1,000,000 aggregate.

The successful Bidder shall be required to furnish a 100% Performance Bond and a 100% Payment Bond if it is awarded the contract for the Work.

The Contractor and all Subcontractors under the Contractor shall pay all workers on all work performed pursuant to this Contract not less than the general prevailing rate of per diem wages and the general prevailing rate for holiday and overtime work as determined by the Director of the Department of Industrial Relations, State of California, for the type of work performed and the locality in which the work is to be performed within the boundaries of the District, pursuant to sections 1770 et seq. of the California Labor Code. Prevailing wage rates are also available from the District or on the Internet at: <http://www.dir.ca.gov>.

This Project is subject to labor compliance monitoring and enforcement by the Department of Industrial Relations pursuant to Labor Code section 1771.4 and subject to the requirements of Title 8 of the California Code of Regulations. The Contractor and all Subcontractors under the Contractor shall furnish electronic certified payroll records directly to the Labor Commissioner weekly or within ten (10) days of any request by the District or the Labor Commissioner. The successful Bidder shall comply with all requirements of Division 2, Part 7, Chapter 1, Articles 1-5 of the Labor Code.

HEAVY METALS AND MATERIAL CONTENT

The Turf Company will conduct and submit product analysis with the project proposal. Analysis will be presented in the form of current, certified laboratory results using specified standards and processes. **Turf Company shall also fill in attached Tables C & D with applicable lab results.** For threshold limits, reference Tables A & B below.

Analytical Methodologies: Representative samples of the turf fibers, turf backing, and infill material shall be analyzed for total metals content and semi-volatile organic compounds (SVOCs), as well as select analyses for leachable metals concentrations.

1. **Total Metals Analysis:** *All samples* (fibers, infill, backing) shall be analyzed for the California Assessment Manual 17/Title 26 list of metals (CAM 17 metals). The submitted samples shall be prepared by the laboratory for analysis of total recoverable metals by USEPA method 3050B. The samples shall then be analyzed for total metals concentrations by USEPA method 6010B/7400.

2. **Leachable Metals Analysis:** *Infill samples only* shall be analyzed for leachability of selected metals using the California Waste Extraction Test (WET). All samples shall be analyzed by the WET for lead, zinc, and total chromium. For other constituents, if the detected concentrations from the total metals analysis above are greater than or equal to ten times the Soluble Threshold Limit Concentration (STLC) value, as shown on attached Table A below, the WET shall be conducted for those individual metals as well.

3. Analysis for SVOCs: All samples (fibers, infill, backing,) shall be analyzed for the SW-846 list of SVOCs. The submitted samples shall be prepared by the laboratory for analysis by USEPA method 3540 or 3550. The samples shall then be analyzed for SVOC concentrations by USEPA method 8270B or 8270C. Results shall at a minimum include data for aniline (CAS #62-53-3), phenol (108-95-2) and benzothiazole (95-16-9). Concentrations of SVOCs are to be provided for reference purposes only and are not being evaluated against any particular criteria.

Evaluation Criteria: The detected concentrations of lead, chromium, and zinc in the samples of the turf infill material shall not exceed the threshold values listed in Tables A & B, outlined below for total metals and leachable metals analyses. In no case shall the total metal concentration of any metal equal or exceed the TTLC values. In addition, concentrations of metals detected in any leachate tests shall not exceed the STLC value (for threshold values, see California Code of Regulations, Title 22, Chapter 11, Article 3.)

TABLE A. Maximum levels of metals permitted for synthetic turf products – infill materials

Metal	Total metals analysis (mg/kg)	Leachable metals analysis (ug/L)
Chromium	750 ⁱ	50
Lead	50	2.5
Zinc	23,000 ⁱⁱ	250,000 ⁱⁱⁱ

- i. No total chromium value promulgated in ESLs; chromium III value indicated instead.
- ii. California Human Health Screening Levels (CHHSLs) for soil for residential land use.
- iii. Selected soluble threshold limit concentration (STLC).

Table A.1 (to be completed by Turf Company)

Metal	Total metals analysis (mg/kg)	Leachable metals analysis (ug/L)
Chromium	See Attached Testing	
Lead	See Attached Testing	
Zinc	See Attached Testing	

TABLE B. Maximum levels of total metals permitted for synthetic turf products – fibers, underlayment, and backing

Metal	Total metals analysis (mg/kg)
Chromium	25
Lead	50

Table B.1 (to be completed by Turf Company)

Metal	Total metals analysis (mg/kg)
Chromium	See Attached Testing
Lead	See Attached Testing

BROMINATED FLAME RETARDANTS

The Turf Company shall provide verification that brominated flame retardants have not been intentionally added in the manufacture of the turf fiber, backing, underlayment or infill materials. Verification can take the form of a signed letter from the manufacturer, or appropriate laboratory analyses of the product proving that levels of elemental bromine are lower than 1% by weight.

ANALYTICAL INDUSTRIAL RESEARCH LABORATORIES, INC.

State of Tennessee (ID #02034)

Alabama Dept. of
Environmental Management
(ID #40780)

IS NOW
AIRL, INC.
1550 37TH ST., NE
CLEVELAND, TN 37312
423.476.7766 FAX: 423.476.7714

Scope of Accreditation:
Wastewater, Surface Water, Ground Water,
Drinking Water, Solids, Hazardous Waste, Soils,
Sediments, and Sludges.

Lab Report 279550

8540
AstroTurf
Attention: Kris Brown
809 Kenner Street
Dalton, GA 30721

Date Received 11/26/2014
Date Sampled None Given
Date Requested 12/8 /2014
Rush Status ASAP
Phone (706) 272-4204
Extension

Fax
 eMail: kbrown@astroturf.com
PO# WR 14385

NOTE: Sample digested using Method 3050

Sample Information

Sample # 7 CRB Polyester 18 Pic
30145880 Fabric Backing

Lab Report: 279550	Result	LCL	Method	SDL	Date	Time	Analyst
<u>CAM 17 Metals</u>							
Antimony (Sb)	< 0.25 mg/Kg	0.25	6010B	0.25	12/5/2014	15:19	DWJ
Arsenic (As)	< 0.25 mg/Kg	0.25	6010B	0.25	12/5/2014	15:19	DWJ
Barium (Ba)	< 0.25 mg/Kg	0.25	6010B	0.25	12/5/2014	15:19	DWJ
Beryllium (Be)	< 0.25 mg/Kg	0.25	6010B	0.25	12/5/2014	15:19	DWJ
Cadmium (Cd)	< 0.25 mg/Kg	0.25	6010B	0.25	12/5/2014	15:19	DWJ
Chromium (Cr)	< 0.25 mg/Kg	0.25	6010B	0.25	12/5/2014	15:19	DWJ
Cobalt (Co)	< 0.25 mg/Kg	0.25	6010B	0.25	12/5/2014	15:19	DWJ
Copper (Cu)	< 0.25 mg/Kg	0.25	6010B	0.25	12/5/2014	15:19	DWJ
Lead (Pb)	< 0.25 mg/Kg	0.25	6010B	0.25	12/5/2014	15:19	DWJ
Molybdenum (Mo)	< 0.25 mg/Kg	0.25	6010B	0.25	12/5/2014	15:19	DWJ
Nickel (Ni)	< 0.25 mg/Kg	0.25	6010B	0.25	12/5/2014	15:19	DWJ
Selenium (Se)	< 0.25 mg/Kg	0.25	6010B	0.25	12/5/2014	15:19	DWJ
Silver (Ag)	< 0.25 mg/Kg	0.25	6010B	0.25	12/5/2014	15:19	DWJ
Thallium (Tl)	< 0.25 mg/Kg	0.25	6010B	0.25	12/5/2014	15:19	DWJ
Vanadium (V)	< 0.25 mg/Kg	0.25	6010B	0.25	12/5/2014	15:19	DWJ
Zinc (Zn)	< 0.25 mg/Kg	0.25	6010B	0.25	12/5/2014	15:19	DWJ
Mercury (Hg)	< 0.1 mg/Kg	0.1	7471B	0.1	12/2/2014	15:30	JAG

Lowest Calibration Level [LCL] - reporting limit: Sample Detection Level [SDL] - Sample Specific

QA/QC Procedures required by the Method(s) were followed unless otherwise noted. Performance and acceptance standards for required QA/QC procedures were achieved unless otherwise noted. No significant modifications have been made to the Method(s). I attest that, based upon my inquiry of those individuals immediately responsible for reviewing the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of this laboratory. The laboratory retains sole ownership of data until full reimbursement has been made.

Report approved by:



ANALYTICAL INDUSTRIAL RESEARCH LABORATORIES, INC.

State of Tennessee (ID #02034)

Alabama Dept. of
Environmental Management
(ID #40780)

IS NOW

AIRL, INC.

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CLEVELAND, TN 37312

423.476.7766 FAX: 423.476.7714

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Drinking Water, Solids, Hazardous Waste, Soils,
Sediments, and Sludges.

2
14

Date Received 11/26/2014

Date Sampled None Given

Date Requested 12/8 /2014

Rush Status ASAP

Phone (706) 272-4204

Extension

Fax

eMail: kbrown@astroturf.com

PO# WR 14385

Lab Report 279551

8540

AstroTurf

Attention: Kris Brown

809 Kenner Street

Dalton, GA 30721

NOTE: Sample digested using Method 3050

Sample Information

Sample # 8 CRB Polypropylene 13 Pic
30144672 Fabric Backing

Lab Report: 279551

Result

LCL

Method

SDL

Date

Time

Analyst

CAM 17 Metals

Antimony (Sb)	<0.25	mg/Kg	0.25	6010B	0.25	12/5/2014	15:23	DWJ
Arsenic (As)	<0.25	mg/Kg	0.25	6010B	0.25	12/5/2014	15:23	DWJ
Barium (Ba)	1.08	mg/Kg	0.25	6010B	0.25	12/5/2014	15:23	DWJ
Beryllium (Be)	<0.25	mg/Kg	0.25	6010B	0.25	12/5/2014	15:23	DWJ
Cadmium (Cd)	<0.25	mg/Kg	0.25	6010B	0.25	12/5/2014	15:23	DWJ
Chromium (Cr)	<0.25	mg/Kg	0.25	6010B	0.25	12/5/2014	15:23	DWJ
Cobalt (Co)	<0.25	mg/Kg	0.25	6010B	0.25	12/5/2014	15:23	DWJ
Copper (Cu)	<0.25	mg/Kg	0.25	6010B	0.25	12/5/2014	15:23	DWJ
Lead (Pb)	<0.25	mg/Kg	0.25	6010B	0.25	12/5/2014	15:23	DWJ
Molybdenum (Mo)	<0.25	mg/Kg	0.25	6010B	0.25	12/5/2014	15:23	DWJ
Nickel (Ni)	<0.25	mg/Kg	0.25	6010B	0.25	12/5/2014	15:23	DWJ
Selenium (Se)	<0.25	mg/Kg	0.25	6010B	0.25	12/5/2014	15:23	DWJ
Silver (Ag)	<0.25	mg/Kg	0.25	6010B	0.25	12/5/2014	15:23	DWJ
Thallium (Tl)	<0.25	mg/Kg	0.25	6010B	0.25	12/5/2014	15:23	DWJ
Vanadium (V)	<0.25	mg/Kg	0.25	6010B	0.25	12/5/2014	15:23	DWJ
Zinc (Zn)	<0.25	mg/Kg	0.25	6010B	0.25	12/5/2014	15:23	DWJ

Mercury (Hg)	<0.1	mg/Kg	0.1	7471B	0.1	12/2/2014	15:30	JAG
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Lowest Calibration Level [LCL] - reporting limit; Sample Detection Level [SDL] - Sample Specific

QA/QC Procedures required by the Method(s) were followed unless otherwise noted. Performance and acceptance standards for required QA/QC procedures were achieved unless otherwise noted. No significant modifications have been made to the Method(s). I attest that, based upon my inquiry of those individuals immediately responsible for reviewing the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

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Report approved by:

AIRL, INC.

**1550 37TH STREET, NE
CLEVELAND, TENNESSEE 37312
(423) 476 - 7766 Fax: (423) 476-7714
ISO/IEC 17025:2005, PJLA - 76332**

State of Tennessee (ID #02034)
Alabama Dept. of
Environmental Management
(ID #40780)

Scope of Accreditation:
Wastewater, Surface Water, Ground Water, Drinking
Water, Solids, Hazardous Waste, Soils, Sediments,
and Sludges.

Testing Accreditation

Lab Report 304578

8540
AstroTurf
Attention: Jeff Graumlich
809 Kenner Street
Dalton, GA 30721

Date Received 2 /12/2018
Date Sampled 2/12/2018
Date Requested 2 /19/2018
Rush Status Rush
Phone (706) 272-4204
Extension
 Fax
 eMail:
PO#

Sample Information

PE SlitFilm / Field Green (8200)
Yarn

Lab Report: 304578	Result	LCL	Method	SDL	Date	Time	Analyst
CAM 17 Metals	*	NA	N/A	0	2/19/2018	13:53	ESC
Mercury (Hg)	< 0.1 mg/Kg	0.1	EPA 7471 B	0.1	2/16/2018	8:15	RLT

*See Attached

Lowest Calibration Level [LCL] - reporting limit, Sample Detection Level [SDL] - Sample Specific

QA/QC Procedures required by the Method(s) were followed unless otherwise noted. Performance and acceptance standards for required QA/QC procedures were achieved unless otherwise noted. No significant modifications have been made to the Method(s). I attest that, based upon my inquiry of those individuals immediately responsible for reviewing the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

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Report approved by:


TECHNICAL DIRECTOR



2220 Beltline Road SW
Decatur, AL 35601
256.350.0846
www.esclabsciences.com

February 19, 2018

AstroTurf
Roy Patterson
AIRL, Inc.
1550 37th St. NE
Cleveland, TN 37312

We appreciate the opportunity to provide our services to you on this project. Please find attached the data for the sample(s) listed below:

<u>LabNumber</u>	<u>Sample Description</u>	<u>Date/Time Collected</u>	<u>Date Submitted</u>
1802017-01	304575		2/13/18
1802017-02	304576		2/13/18
1802017-03	304577		2/13/18
1802017-04	304578		2/13/18
1802017-05	304579		2/13/18
1802017-06	304580		2/13/18
1802017-07	304581		2/13/18
1802017-08	304582		2/13/18
1802017-09	304583		2/13/18
1802017-10	304584		2/13/18

SAMPLE RESULTS REPORT

Report Date/Time: 02/19/2018 13:53

REPORT TO
Roy Patterson AIRL, Inc. 1550 37th St. NE Cleveland, TN 37312



NELAP
Accredited
Florida DOH
#E871078

ESC-Decatur maintains National Environmental Laboratory Accreditation Program (NELAP) accreditation through Florida Department of Health (#E871078). Some tests included in this report may not be covered by this accreditation.

ESC-Decatur also maintains ISO/IEC 17025 accreditation through ANSI-ASQ Accreditation Board for the specific tests listed in ANAB Certificate #L2239 scope of accreditation.

Tests within the scope of accreditation are indicated by an asterisk (*).

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Cert# L2239 Testing

ADEM
Drinking Water
Certification
No. 40160

ESC-Decatur is accredited to ISO/IEC 17025:2005 by ANSI-ASQ National Accreditation Board (ANAB) and to the TNI 2003 Standard by the Florida Department of Health. Our quality system also meets relevant quality system requirements of ISO 9001:2008. Not all tests performed by ESC-Decatur are covered by these accreditations. Tests within our scope of accreditation are indicated by an asterisk (*) in the Test Result section of this report. Tests not included in the accreditations are performed in accordance with ESC-Decatur's Standard Operating Procedures and the quality control program using, where applicable, USEPA methodology.

This cover page and the attached chain-of-custody record(s) are integral parts of your report. ESC-Decatur considers this report your official record. This information shall remain in ESC-Decatur's active database for a period of one (1) calendar year before archiving. Any replacement of this information after archiving may result in an administrative fee to cover the cost of retrieval.

If you have any questions or would like more information regarding these analyses, please call us at (256) 350-0846.

Karen Sutton

Karen Sutton
Project Manager

SAMPLE RESULTS REPORT

Report Date/Time: 02/19/2018 13:53

REPORT TO
Roy Patterson AIRL, Inc. 1550 37th St. NE Cleveland, TN 37312



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Cert# L2239 Testing

ADEM
Drinking Water
Certification
No. 40160

Analyte Name	Result	Units	Qual	Regulatory Limit
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Sample Point: 304578

Sample ID: 1802017-04

Submitted: 02/13/2018

Metals by ICP-MS

Total Antimony CAS: 7440-36-0	<0.469	mg/kg as received		
Total Arsenic CAS: 7440-38-2	<0.469	mg/kg as received		
Total Barium CAS: 7440-39-3	<0.469	mg/kg as received		
Total Beryllium CAS: 7440-41-7	<0.469	mg/kg as received		
Total Cadmium CAS: 7440-43-9	<0.469	mg/kg as received		
Total Chromium CAS: 7440-47-3	<0.469	mg/kg as received		
Total Cobalt CAS: 7440-48-4	<0.469	mg/kg as received		
Total Copper CAS: 7440-50-8	12.2	mg/kg as received		
Total Lead CAS: 7439-92-1	<0.469	mg/kg as received		
Total Molybdenum CAS: 7439-98-7	<0.469	mg/kg as received		
Total Nickel CAS: 7440-02-0	3.75	mg/kg as received		
Total Selenium CAS: 7782-49-2	<0.469	mg/kg as received		
Total Silver CAS: 7440-22-4	<0.469	mg/kg as received		
Total Thallium CAS: 7440-28-0	<0.469	mg/kg as received		
Total Vanadium CAS: 7440-62-2	<0.469	mg/kg as received		
Total Zinc CAS: 7440-66-6	1.91	mg/kg as received		

SAMPLE RESULTS REPORT

Report Date/Time: 02/19/2018 13:53

REPORT TO
Roy Patterson AIRL, Inc. 1550 37th St. NE Cleveland, TN 37312



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Cert# L2239 Testing

ADEM
Drinking Water
Certification
No. 40160

All calculations are performed prior to rounding per EPA and *Standard Methods* requirements.

Data Qualifiers:

< Less than reporting limit

Analysis Information

Lab Number	Analysis	SpecificMethod	Analyst	Analysis Start Date/Time	Analysis End Date/Time
1802017-01	Total Silver	EPA 6020A	KW	02/16/2018 09:30	
1802017-01	Total Arsenic	EPA 6020A	KW	02/16/2018 09:30	
1802017-01	Total Barium	EPA 6020A	KW	02/16/2018 09:30	
1802017-01	Total Beryllium	EPA 6020A	KW	02/16/2018 09:30	
1802017-01	Total Cadmium	EPA 6020A	KW	02/16/2018 09:30	
1802017-01	Total Cobalt	EPA 6020A	KW	02/16/2018 09:30	
1802017-01	Total Chromium	EPA 6020A	KW	02/16/2018 09:30	
1802017-01	Total Copper	EPA 6020A	KW	02/16/2018 09:30	
1802017-01	Total Molybdenum	EPA 6020A	KW	02/16/2018 09:30	
1802017-01	Total Nickel	EPA 6020A	KW	02/16/2018 09:30	
1802017-01	Total Lead	EPA 6020A	KW	02/16/2018 09:30	
1802017-01	Total Antimony	EPA 6020A	KW	02/16/2018 09:30	
1802017-01	Total Selenium	EPA 6020A	KW	02/16/2018 09:30	
1802017-01	Total Thallium	EPA 6020A	KW	02/16/2018 09:30	
1802017-01	Total Vanadium	EPA 6020A	KW	02/16/2018 09:30	
1802017-01	Total Zinc	EPA 6020A	KW	02/16/2018 09:30	
1802017-02	Total Silver	EPA 6020A	KW	02/16/2018 09:30	
1802017-02	Total Arsenic	EPA 6020A	KW	02/16/2018 09:30	
1802017-02	Total Barium	EPA 6020A	KW	02/16/2018 09:30	
1802017-02	Total Beryllium	EPA 6020A	KW	02/16/2018 09:30	
1802017-02	Total Cadmium	EPA 6020A	KW	02/16/2018 09:30	
1802017-02	Total Cobalt	EPA 6020A	KW	02/16/2018 09:30	
1802017-02	Total Chromium	EPA 6020A	KW	02/16/2018 09:30	
1802017-02	Total Copper	EPA 6020A	KW	02/16/2018 09:30	
1802017-02	Total Molybdenum	EPA 6020A	KW	02/16/2018 09:30	
1802017-02	Total Nickel	EPA 6020A	KW	02/16/2018 09:30	
1802017-02	Total Lead	EPA 6020A	KW	02/16/2018 09:30	
1802017-02	Total Antimony	EPA 6020A	KW	02/16/2018 09:30	
1802017-02	Total Selenium	EPA 6020A	KW	02/16/2018 09:30	

SAMPLE RESULTS REPORT

Report Date/Time: 02/19/2018 13:53

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Cert# L2239 Testing

ADEM
Drinking Water
Certification
No. 40160

1802017-02	Total Thallium	EPA 6020A	KW	02/16/2018 09:30
1802017-02	Total Vanadium	EPA 6020A	KW	02/16/2018 09:30
1802017-02	Total Zinc	EPA 6020A	KW	02/16/2018 09:30
1802017-03	Total Silver	EPA 6020A	KW	02/16/2018 09:30
1802017-03	Total Arsenic	EPA 6020A	KW	02/16/2018 09:30
1802017-03	Total Barium	EPA 6020A	KW	02/16/2018 09:30
1802017-03	Total Beryllium	EPA 6020A	KW	02/16/2018 09:30
1802017-03	Total Cadmium	EPA 6020A	KW	02/16/2018 09:30
1802017-03	Total Cobalt	EPA 6020A	KW	02/16/2018 09:30
1802017-03	Total Chromium	EPA 6020A	KW	02/16/2018 09:30
1802017-03	Total Copper	EPA 6020A	KW	02/16/2018 09:30
1802017-03	Total Molybdenum	EPA 6020A	KW	02/16/2018 09:30
1802017-03	Total Nickel	EPA 6020A	KW	02/16/2018 09:30
1802017-03	Total Lead	EPA 6020A	KW	02/16/2018 09:30
1802017-03	Total Antimony	EPA 6020A	KW	02/16/2018 09:30
1802017-03	Total Selenium	EPA 6020A	KW	02/16/2018 09:30
1802017-03	Total Thallium	EPA 6020A	KW	02/16/2018 09:30
1802017-03	Total Vanadium	EPA 6020A	KW	02/16/2018 09:30
1802017-03	Total Zinc	EPA 6020A	KW	02/16/2018 09:30
1802017-04	Total Silver	EPA 6020A	KW	02/16/2018 09:30
1802017-04	Total Arsenic	EPA 6020A	KW	02/16/2018 09:30
1802017-04	Total Barium	EPA 6020A	KW	02/16/2018 09:30
1802017-04	Total Beryllium	EPA 6020A	KW	02/16/2018 09:30
1802017-04	Total Cadmium	EPA 6020A	KW	02/16/2018 09:30
1802017-04	Total Cobalt	EPA 6020A	KW	02/16/2018 09:30
1802017-04	Total Chromium	EPA 6020A	KW	02/16/2018 09:30
1802017-04	Total Copper	EPA 6020A	KW	02/16/2018 09:30
1802017-04	Total Molybdenum	EPA 6020A	KW	02/16/2018 09:30
1802017-04	Total Nickel	EPA 6020A	KW	02/16/2018 09:30
1802017-04	Total Lead	EPA 6020A	KW	02/16/2018 09:30
1802017-04	Total Antimony	EPA 6020A	KW	02/16/2018 09:30
1802017-04	Total Selenium	EPA 6020A	KW	02/16/2018 09:30
1802017-04	Total Thallium	EPA 6020A	KW	02/16/2018 09:30
1802017-04	Total Vanadium	EPA 6020A	KW	02/16/2018 09:30
1802017-04	Total Zinc	EPA 6020A	KW	02/16/2018 09:30
1802017-05	Total Silver	EPA 6020A	KW	02/16/2018 09:30
1802017-05	Total Arsenic	EPA 6020A	KW	02/16/2018 09:30
1802017-05	Total Barium	EPA 6020A	KW	02/16/2018 09:30
1802017-05	Total Beryllium	EPA 6020A	KW	02/16/2018 09:30
1802017-05	Total Cadmium	EPA 6020A	KW	02/16/2018 09:30
1802017-05	Total Cobalt	EPA 6020A	KW	02/16/2018 09:30

SAMPLE RESULTS REPORT

Report Date/Time: 02/19/2018 13:53

REPORT TO
Roy Patterson AIRL, Inc. 1550 37th St. NE Cleveland, TN 37312



NELAP
Accredited
Florida DOH
#E871078

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Cert# L2239 Testing

ADEM
Drinking Water
Certification
No. 40160

1802017-05	Total Chromium	EPA 6020A	KW	02/16/2018 09:30
1802017-05	Total Copper	EPA 6020A	KW	02/16/2018 09:30
1802017-05	Total Molybdenum	EPA 6020A	KW	02/16/2018 09:30
1802017-05	Total Nickel	EPA 6020A	KW	02/16/2018 09:30
1802017-05	Total Lead	EPA 6020A	KW	02/16/2018 09:30
1802017-05	Total Antimony	EPA 6020A	KW	02/16/2018 09:30
1802017-05	Total Selenium	EPA 6020A	KW	02/16/2018 09:30
1802017-05	Total Thallium	EPA 6020A	KW	02/16/2018 09:30
1802017-05	Total Vanadium	EPA 6020A	KW	02/16/2018 09:30
1802017-05	Total Zinc	EPA 6020A	KW	02/16/2018 09:30
1802017-06	Total Silver	EPA 6020A	KW	02/16/2018 09:30
1802017-06	Total Arsenic	EPA 6020A	KW	02/16/2018 09:30
1802017-06	Total Barium	EPA 6020A	KW	02/16/2018 09:30
1802017-06	Total Beryllium	EPA 6020A	KW	02/16/2018 09:30
1802017-06	Total Cadmium	EPA 6020A	KW	02/16/2018 09:30
1802017-06	Total Cobalt	EPA 6020A	KW	02/16/2018 09:30
1802017-06	Total Chromium	EPA 6020A	KW	02/16/2018 09:30
1802017-06	Total Copper	EPA 6020A	KW	02/16/2018 09:30
1802017-06	Total Molybdenum	EPA 6020A	KW	02/16/2018 09:30
1802017-06	Total Nickel	EPA 6020A	KW	02/16/2018 09:30
1802017-06	Total Lead	EPA 6020A	KW	02/16/2018 09:30
1802017-06	Total Antimony	EPA 6020A	KW	02/16/2018 09:30
1802017-06	Total Selenium	EPA 6020A	KW	02/16/2018 09:30
1802017-06	Total Thallium	EPA 6020A	KW	02/16/2018 09:30
1802017-06	Total Vanadium	EPA 6020A	KW	02/16/2018 09:30
1802017-06	Total Zinc	EPA 6020A	KW	02/16/2018 09:30
1802017-07	Total Silver	EPA 6020A	KW	02/16/2018 09:30
1802017-07	Total Arsenic	EPA 6020A	KW	02/16/2018 09:30
1802017-07	Total Barium	EPA 6020A	KW	02/16/2018 09:30
1802017-07	Total Beryllium	EPA 6020A	KW	02/16/2018 09:30
1802017-07	Total Cadmium	EPA 6020A	KW	02/16/2018 09:30
1802017-07	Total Cobalt	EPA 6020A	KW	02/16/2018 09:30
1802017-07	Total Chromium	EPA 6020A	KW	02/16/2018 09:30
1802017-07	Total Copper	EPA 6020A	KW	02/16/2018 09:30
1802017-07	Total Molybdenum	EPA 6020A	KW	02/16/2018 09:30
1802017-07	Total Nickel	EPA 6020A	KW	02/16/2018 09:30
1802017-07	Total Lead	EPA 6020A	KW	02/16/2018 09:30
1802017-07	Total Antimony	EPA 6020A	KW	02/16/2018 09:30
1802017-07	Total Selenium	EPA 6020A	KW	02/16/2018 09:30
1802017-07	Total Thallium	EPA 6020A	KW	02/16/2018 09:30
1802017-07	Total Vanadium	EPA 6020A	KW	02/16/2018 09:30

SAMPLE RESULTS REPORT

Report Date/Time: 02/19/2018 13:53

REPORT TO
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Cert# L2239 Testing

ADEM
Drinking Water
Certification
No. 40160

1802017-07	Total Zinc	EPA 6020A	KW	02/16/2018 09:30
1802017-08	Total Silver	EPA 6020A	KW	02/16/2018 09:30
1802017-08	Total Arsenic	EPA 6020A	KW	02/16/2018 09:30
1802017-08	Total Barium	EPA 6020A	KW	02/16/2018 09:30
1802017-08	Total Beryllium	EPA 6020A	KW	02/16/2018 09:30
1802017-08	Total Cadmium	EPA 6020A	KW	02/16/2018 09:30
1802017-08	Total Cobalt	EPA 6020A	KW	02/16/2018 09:30
1802017-08	Total Chromium	EPA 6020A	KW	02/16/2018 09:30
1802017-08	Total Copper	EPA 6020A	KW	02/16/2018 09:30
1802017-08	Total Molybdenum	EPA 6020A	KW	02/16/2018 09:30
1802017-08	Total Nickel	EPA 6020A	KW	02/16/2018 09:30
1802017-08	Total Lead	EPA 6020A	KW	02/16/2018 09:30
1802017-08	Total Antimony	EPA 6020A	KW	02/16/2018 09:30
1802017-08	Total Selenium	EPA 6020A	KW	02/16/2018 09:30
1802017-08	Total Thallium	EPA 6020A	KW	02/16/2018 09:30
1802017-08	Total Vanadium	EPA 6020A	KW	02/16/2018 09:30
1802017-08	Total Zinc	EPA 6020A	KW	02/16/2018 09:30
1802017-09	Total Silver	EPA 6020A	KW	02/16/2018 09:30
1802017-09	Total Arsenic	EPA 6020A	KW	02/16/2018 09:30
1802017-09	Total Barium	EPA 6020A	KW	02/16/2018 09:30
1802017-09	Total Beryllium	EPA 6020A	KW	02/16/2018 09:30
1802017-09	Total Cadmium	EPA 6020A	KW	02/16/2018 09:30
1802017-09	Total Cobalt	EPA 6020A	KW	02/16/2018 09:30
1802017-09	Total Chromium	EPA 6020A	KW	02/16/2018 09:30
1802017-09	Total Copper	EPA 6020A	KW	02/16/2018 09:30
1802017-09	Total Molybdenum	EPA 6020A	KW	02/16/2018 09:30
1802017-09	Total Nickel	EPA 6020A	KW	02/16/2018 09:30
1802017-09	Total Lead	EPA 6020A	KW	02/16/2018 09:30
1802017-09	Total Antimony	EPA 6020A	KW	02/16/2018 09:30
1802017-09	Total Selenium	EPA 6020A	KW	02/16/2018 09:30
1802017-09	Total Thallium	EPA 6020A	KW	02/16/2018 09:30
1802017-09	Total Vanadium	EPA 6020A	KW	02/16/2018 09:30
1802017-09	Total Zinc	EPA 6020A	KW	02/16/2018 09:30
1802017-10	Total Silver	EPA 6020A	KW	02/16/2018 09:30
1802017-10	Total Arsenic	EPA 6020A	KW	02/16/2018 09:30
1802017-10	Total Barium	EPA 6020A	KW	02/16/2018 09:30
1802017-10	Total Beryllium	EPA 6020A	KW	02/16/2018 09:30
1802017-10	Total Cadmium	EPA 6020A	KW	02/16/2018 09:30
1802017-10	Total Cobalt	EPA 6020A	KW	02/16/2018 09:30
1802017-10	Total Chromium	EPA 6020A	KW	02/16/2018 09:30
1802017-10	Total Copper	EPA 6020A	KW	02/16/2018 09:30

SAMPLE RESULTS REPORT

Report Date/Time: 02/19/2018 13:53

REPORT TO
Roy Patterson AIRL, Inc. 1550 37th St. NE Cleveland, TN 37312



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Cert# L2239 Testing

ADEM
Drinking Water
Certification
No. 40160

1802017-10	Total Molybdenum	EPA 6020A	KW	02/16/2018 09:30
1802017-10	Total Nickel	EPA 6020A	KW	02/16/2018 09:30
1802017-10	Total Lead	EPA 6020A	KW	02/16/2018 09:30
1802017-10	Total Antimony	EPA 6020A	KW	02/16/2018 09:30
1802017-10	Total Selenium	EPA 6020A	KW	02/16/2018 09:30
1802017-10	Total Thallium	EPA 6020A	KW	02/16/2018 09:30
1802017-10	Total Vanadium	EPA 6020A	KW	02/16/2018 09:30
1802017-10	Total Zinc	EPA 6020A	KW	02/16/2018 09:30

The results contained in this report are only representative of the sample(s) received.

AIRL, INC.

**1550 37TH STREET, NE
CLEVELAND, TENNESSEE 37312
(423) 476 - 7766 Fax: (423) 476-7714
ISO/IEC 17025:2005, PJLA - 76332**

Scope of Accreditation:

Wastewater, Surface Water, Ground Water, Drinking Water, Solids, Hazardous Waste, Soils, Sediments, and Sludges.

Date Received 1 /5 /2018
Date Sampled 1/4/2018
Date Requested 1 /17/2018
Rush Status Normal
Phone (706) 272-4204

Extension

Fax

eMail:

PO#

Testing Accreditation

State of Tennessee (ID #02034)

Alabama Dept. of
Environmental Management
(ID #40780)

Lab Report 303882

8540
AstroTurf
Attention: Jeff Graumlich
809 Kenner Street
Dalton, GA 30721

NOTE: Sample digested using Method 3052

Sample Information

30540008PX 8380 Field Green
Yarn

Lab Report: 303882

	Result	LCL	Method	SDL	Date	Time	Analyst
<u>CAM 17 Metals</u>							
Antimony (Sb)	< 0.25 mg/Kg	0.25	EPA 6010	0.25	1/17/2018	16:03	ZPT
Arsenic (As)	< 0.25 mg/Kg	0.25	EPA 6010	0.25	1/17/2018	16:03	ZPT
Barium (Ba)	< 0.25 mg/Kg	0.25	EPA 6010	0.25	1/17/2018	16:03	ZPT
Beryllium (Be)	< 0.25 mg/Kg	0.25	EPA 6010	0.25	1/17/2018	16:03	ZPT
Cadmium (Cd)	< 0.25 mg/Kg	0.25	EPA 6010	0.25	1/17/2018	16:03	ZPT
Chromium (Cr)	< 0.25 mg/Kg	0.25	EPA 6010	0.25	1/17/2018	16:03	ZPT
Cobalt (Co)	< 0.25 mg/Kg	0.25	EPA 6010	0.25	1/17/2018	16:03	ZPT
Copper (Cu)	1.45 mg/Kg	0.25	EPA 6010	0.25	1/17/2018	16:03	ZPT
Lead (Pb)	< 0.25 mg/Kg	0.25	EPA 6010	0.25	1/17/2018	16:03	ZPT
Molybdenum (Mo)	< 0.25 mg/Kg	0.25	EPA 6010	0.25	1/17/2018	16:03	ZPT
Nickel (Ni)	8.72 mg/Kg	0.25	EPA 6010	0.25	1/17/2018	16:03	ZPT
Selenium (Se)	< 0.25 mg/Kg	0.25	EPA 6010	0.25	1/17/2018	16:03	ZPT
Silver (Ag)	< 0.25 mg/Kg	0.25	EPA 6010	0.25	1/17/2018	16:03	ZPT
Thallium (Tl)	< 0.25 mg/Kg	0.25	EPA 6010	0.25	1/17/2018	16:03	ZPT
Vanadium (V)	< 0.25 mg/Kg	0.25	EPA 6010	0.25	1/17/2018	16:03	ZPT
Zinc (Zn)	< 0.25 mg/Kg	0.25	EPA 6010	0.25	1/17/2018	16:03	ZPT
<hr/>							
<i>Digested Via 3052</i>							
Mercury (Hg)	< 0.1 mg/Kg	0.1	EPA 7471 B	0.1	1/12/2018	8:00	RLT

Digested Via 3052

Lowest Calibration Level [LCL] - reporting limit; Sample Detection Level [SDL] - Sample Specific

QA/QC Procedures required by the Method(s) were followed unless otherwise noted. Performance and acceptance standards for required QA/QC procedures were achieved unless otherwise noted. No significant modifications have been made to the Method(s). I attest that, based upon my inquiry of those individuals immediately responsible for reviewing the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of this laboratory. The laboratory retains sole ownership of data until full reimbursement has been made.

Report approved by:


TECHNICAL DIRECTOR

AIRL, INC.

**1550 37TH STREET, NE
CLEVELAND, TENNESSEE 37312
(423) 476 - 7766 Fax: (423) 476-7714
ISO/IEC 17025:2005, PJLA - 76332**

Scope of Accreditation:
*Wastewater, Surface Water, Ground Water, Drinking
Water, Solids, Hazardous Waste, Soils, Sediments,
and Sludges.*

*State of Tennessee (ID #02034)
Alabama Dept. of
Environmental Management
(ID #40780)*

Testing Accreditation

Lab Report 304576

8540
AstroTurf
Attention: Jeff Graumlich
809 Kenner Street
Dalton, GA 30721

Date Received 2 /12/2018
Date Sampled 2/12/2018
Date Requested 2 /19/2018
Rush Status Rush
Phone (706) 272-4204
Extension
 Fax
 eMail:
PO#

Sample Information

PE Monofilament / Field Green (8200)
Yarn

<i>Lab Report: 304576</i>	<i>Result</i>	<i>LCL</i>	<i>Method</i>	<i>SDL</i>	<i>Date</i>	<i>Time</i>	<i>Analyst</i>
CAM 17 Metals	*	NA	N/A	0	2/19/2018	13:53	ESC
Mercury (Hg)	< 0.1 mg/Kg	0.1	EPA 7471 B	0.1	2/16/2018	8:15	RLT

*See Attached

Lowest Calibration Level [LCL] - reporting limit; Sample Detection Level [SDL] - Sample Specific

QA/QC Procedures required by the Method(s) were followed unless otherwise noted. Performance and acceptance standards for required QA/QC procedures were achieved unless otherwise noted. No significant modifications have been made to the Method(s). I attest that, based upon my inquiry of those individuals immediately responsible for reviewing the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

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Report approved by:


TECHNICAL DIRECTOR



2220 Beltline Road SW
Decatur, AL 35601
256.350.0846
www.esclabsciences.com

February 19, 2018

AstroTurf
Roy Patterson
AIRL, Inc.
1550 37th St. NE
Cleveland, TN 37312

We appreciate the opportunity to provide our services to you on this project. Please find attached the data for the sample(s) listed below:

<u>LabNumber</u>	<u>Sample Description</u>	<u>Date/Time Collected</u>	<u>Date Submitted</u>
1802017-01	304575		2/13/18
1802017-02	304576		2/13/18
1802017-03	304577		2/13/18
1802017-04	304578		2/13/18
1802017-05	304579		2/13/18
1802017-06	304580		2/13/18
1802017-07	304581		2/13/18
1802017-08	304582		2/13/18
1802017-09	304583		2/13/18
1802017-10	304584		2/13/18

SAMPLE RESULTS REPORT

Report Date/Time: 02/19/2018 13:53

REPORT TO
Roy Patterson AIRL, Inc. 1550 37th St. NE Cleveland, TN 37312



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Cert# L2239 Testing

ADEM
Drinking Water
Certification
No. 40160

ESC-Decatur is accredited to ISO/IEC 17025:2005 by ANSI-ASQ National Accreditation Board (ANAB) and to the TNI 2003 Standard by the Florida Department of Health. Our quality system also meets relevant quality system requirements of ISO 9001:2008. Not all tests performed by ESC-Decatur are covered by these accreditations. Tests within our scope of accreditation are indicated by an asterisk (*) in the Test Result section of this report. Tests not included in the accreditations are performed in accordance with ESC-Decatur's Standard Operating Procedures and the quality control program using, where applicable, USEPA methodology.

This cover page and the attached chain-of-custody record(s) are integral parts of your report. ESC-Decatur considers this report your official record. This information shall remain in ESC-Decatur's active database for a period of one (1) calendar year before archiving. Any replacement of this information after archiving may result in an administrative fee to cover the cost of retrieval.

If you have any questions or would like more information regarding these analyses, please call us at (256) 350-0846.

Karen Sutton

Karen Sutton
Project Manager

SAMPLE RESULTS REPORT

Report Date/Time: 02/19/2018 13:53

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Cert# L2239 Testing

ADEM
Drinking Water
Certification
No. 40160

Analyte Name	Result	Units	Qual	Regulatory Limit
--------------	--------	-------	------	------------------

Sample Point: 304576

Sample ID: 1802017-02

Submitted: 02/13/2018

Metals by ICP-MS

Total Antimony CAS: 7440-36-0	0.729	mg/kg as received		
Total Arsenic CAS: 7440-38-2	<0.486	mg/kg as received		
Total Barium CAS: 7440-39-3	<0.486	mg/kg as received		
Total Beryllium CAS: 7440-41-7	<0.486	mg/kg as received		
Total Cadmium CAS: 7440-43-9	<0.486	mg/kg as received		
Total Chromium CAS: 7440-47-3	<0.486	mg/kg as received		
Total Cobalt CAS: 7440-48-4	<0.486	mg/kg as received		
Total Copper CAS: 7440-50-8	2.72	mg/kg as received		
Total Lead CAS: 7439-92-1	<0.486	mg/kg as received		
Total Molybdenum CAS: 7439-98-7	<0.486	mg/kg as received		
Total Nickel CAS: 7440-02-0	1.88	mg/kg as received		
Total Selenium CAS: 7782-49-2	<0.486	mg/kg as received		
Total Silver CAS: 7440-22-4	<0.486	mg/kg as received		
Total Thallium CAS: 7440-28-0	<0.486	mg/kg as received		
Total Vanadium CAS: 7440-62-2	<0.486	mg/kg as received		
Total Zinc CAS: 7440-66-6	11.0	mg/kg as received		

SAMPLE RESULTS REPORT

Report Date/Time: 02/19/2018 13:53

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Cert# L2239 Testing

ADEM
Drinking Water
Certification
No. 40160

All calculations are performed prior to rounding per EPA and *Standard Methods* requirements.

Data Qualifiers:

< Less than reporting limit

Analysis Information

Lab Number	Analysis	SpecificMethod	Analyst	Analysis	
				Start Date/Time	End Date/Time
1802017-01	Total Silver	EPA 6020A	KW	02/16/2018 09:30	
1802017-01	Total Arsenic	EPA 6020A	KW	02/16/2018 09:30	
1802017-01	Total Barium	EPA 6020A	KW	02/16/2018 09:30	
1802017-01	Total Beryllium	EPA 6020A	KW	02/16/2018 09:30	
1802017-01	Total Cadmium	EPA 6020A	KW	02/16/2018 09:30	
1802017-01	Total Cobalt	EPA 6020A	KW	02/16/2018 09:30	
1802017-01	Total Chromium	EPA 6020A	KW	02/16/2018 09:30	
1802017-01	Total Copper	EPA 6020A	KW	02/16/2018 09:30	
1802017-01	Total Molybdenum	EPA 6020A	KW	02/16/2018 09:30	
1802017-01	Total Nickel	EPA 6020A	KW	02/16/2018 09:30	
1802017-01	Total Lead	EPA 6020A	KW	02/16/2018 09:30	
1802017-01	Total Antimony	EPA 6020A	KW	02/16/2018 09:30	
1802017-01	Total Selenium	EPA 6020A	KW	02/16/2018 09:30	
1802017-01	Total Thallium	EPA 6020A	KW	02/16/2018 09:30	
1802017-01	Total Vanadium	EPA 6020A	KW	02/16/2018 09:30	
1802017-01	Total Zinc	EPA 6020A	KW	02/16/2018 09:30	
1802017-02	Total Silver	EPA 6020A	KW	02/16/2018 09:30	
1802017-02	Total Arsenic	EPA 6020A	KW	02/16/2018 09:30	
1802017-02	Total Barium	EPA 6020A	KW	02/16/2018 09:30	
1802017-02	Total Beryllium	EPA 6020A	KW	02/16/2018 09:30	
1802017-02	Total Cadmium	EPA 6020A	KW	02/16/2018 09:30	
1802017-02	Total Cobalt	EPA 6020A	KW	02/16/2018 09:30	
1802017-02	Total Chromium	EPA 6020A	KW	02/16/2018 09:30	
1802017-02	Total Copper	EPA 6020A	KW	02/16/2018 09:30	
1802017-02	Total Molybdenum	EPA 6020A	KW	02/16/2018 09:30	
1802017-02	Total Nickel	EPA 6020A	KW	02/16/2018 09:30	
1802017-02	Total Lead	EPA 6020A	KW	02/16/2018 09:30	
1802017-02	Total Antimony	EPA 6020A	KW	02/16/2018 09:30	
1802017-02	Total Selenium	EPA 6020A	KW	02/16/2018 09:30	

SAMPLE RESULTS REPORT

Report Date/Time: 02/19/2018 13:53

REPORT TO
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NELAP
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Cert# L2239 Testing

ADEM
Drinking Water
Certification
No. 40160

1802017-02	Total Thallium	EPA 6020A	KW	02/16/2018 09:30
1802017-02	Total Vanadium	EPA 6020A	KW	02/16/2018 09:30
1802017-02	Total Zinc	EPA 6020A	KW	02/16/2018 09:30
1802017-03	Total Silver	EPA 6020A	KW	02/16/2018 09:30
1802017-03	Total Arsenic	EPA 6020A	KW	02/16/2018 09:30
1802017-03	Total Barium	EPA 6020A	KW	02/16/2018 09:30
1802017-03	Total Beryllium	EPA 6020A	KW	02/16/2018 09:30
1802017-03	Total Cadmium	EPA 6020A	KW	02/16/2018 09:30
1802017-03	Total Cobalt	EPA 6020A	KW	02/16/2018 09:30
1802017-03	Total Chromium	EPA 6020A	KW	02/16/2018 09:30
1802017-03	Total Copper	EPA 6020A	KW	02/16/2018 09:30
1802017-03	Total Molybdenum	EPA 6020A	KW	02/16/2018 09:30
1802017-03	Total Nickel	EPA 6020A	KW	02/16/2018 09:30
1802017-03	Total Lead	EPA 6020A	KW	02/16/2018 09:30
1802017-03	Total Antimony	EPA 6020A	KW	02/16/2018 09:30
1802017-03	Total Selenium	EPA 6020A	KW	02/16/2018 09:30
1802017-03	Total Thallium	EPA 6020A	KW	02/16/2018 09:30
1802017-03	Total Vanadium	EPA 6020A	KW	02/16/2018 09:30
1802017-03	Total Zinc	EPA 6020A	KW	02/16/2018 09:30
1802017-04	Total Silver	EPA 6020A	KW	02/16/2018 09:30
1802017-04	Total Arsenic	EPA 6020A	KW	02/16/2018 09:30
1802017-04	Total Barium	EPA 6020A	KW	02/16/2018 09:30
1802017-04	Total Beryllium	EPA 6020A	KW	02/16/2018 09:30
1802017-04	Total Cadmium	EPA 6020A	KW	02/16/2018 09:30
1802017-04	Total Cobalt	EPA 6020A	KW	02/16/2018 09:30
1802017-04	Total Chromium	EPA 6020A	KW	02/16/2018 09:30
1802017-04	Total Copper	EPA 6020A	KW	02/16/2018 09:30
1802017-04	Total Molybdenum	EPA 6020A	KW	02/16/2018 09:30
1802017-04	Total Nickel	EPA 6020A	KW	02/16/2018 09:30
1802017-04	Total Lead	EPA 6020A	KW	02/16/2018 09:30
1802017-04	Total Antimony	EPA 6020A	KW	02/16/2018 09:30
1802017-04	Total Selenium	EPA 6020A	KW	02/16/2018 09:30
1802017-04	Total Thallium	EPA 6020A	KW	02/16/2018 09:30
1802017-04	Total Vanadium	EPA 6020A	KW	02/16/2018 09:30
1802017-04	Total Zinc	EPA 6020A	KW	02/16/2018 09:30
1802017-05	Total Silver	EPA 6020A	KW	02/16/2018 09:30
1802017-05	Total Arsenic	EPA 6020A	KW	02/16/2018 09:30
1802017-05	Total Barium	EPA 6020A	KW	02/16/2018 09:30
1802017-05	Total Beryllium	EPA 6020A	KW	02/16/2018 09:30
1802017-05	Total Cadmium	EPA 6020A	KW	02/16/2018 09:30
1802017-05	Total Cobalt	EPA 6020A	KW	02/16/2018 09:30

SAMPLE RESULTS REPORT

Report Date/Time: 02/19/2018 13:53

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Cert# L2239 Testing

ADEM
Drinking Water
Certification
No. 40160

1802017-05	Total Chromium	EPA 6020A	KW	02/16/2018 09:30
1802017-05	Total Copper	EPA 6020A	KW	02/16/2018 09:30
1802017-05	Total Molybdenum	EPA 6020A	KW	02/16/2018 09:30
1802017-05	Total Nickel	EPA 6020A	KW	02/16/2018 09:30
1802017-05	Total Lead	EPA 6020A	KW	02/16/2018 09:30
1802017-05	Total Antimony	EPA 6020A	KW	02/16/2018 09:30
1802017-05	Total Selenium	EPA 6020A	KW	02/16/2018 09:30
1802017-05	Total Thallium	EPA 6020A	KW	02/16/2018 09:30
1802017-05	Total Vanadium	EPA 6020A	KW	02/16/2018 09:30
1802017-05	Total Zinc	EPA 6020A	KW	02/16/2018 09:30
1802017-06	Total Silver	EPA 6020A	KW	02/16/2018 09:30
1802017-06	Total Arsenic	EPA 6020A	KW	02/16/2018 09:30
1802017-06	Total Barium	EPA 6020A	KW	02/16/2018 09:30
1802017-06	Total Beryllium	EPA 6020A	KW	02/16/2018 09:30
1802017-06	Total Cadmium	EPA 6020A	KW	02/16/2018 09:30
1802017-06	Total Cobalt	EPA 6020A	KW	02/16/2018 09:30
1802017-06	Total Chromium	EPA 6020A	KW	02/16/2018 09:30
1802017-06	Total Copper	EPA 6020A	KW	02/16/2018 09:30
1802017-06	Total Molybdenum	EPA 6020A	KW	02/16/2018 09:30
1802017-06	Total Nickel	EPA 6020A	KW	02/16/2018 09:30
1802017-06	Total Lead	EPA 6020A	KW	02/16/2018 09:30
1802017-06	Total Antimony	EPA 6020A	KW	02/16/2018 09:30
1802017-06	Total Selenium	EPA 6020A	KW	02/16/2018 09:30
1802017-06	Total Thallium	EPA 6020A	KW	02/16/2018 09:30
1802017-06	Total Vanadium	EPA 6020A	KW	02/16/2018 09:30
1802017-06	Total Zinc	EPA 6020A	KW	02/16/2018 09:30
1802017-07	Total Silver	EPA 6020A	KW	02/16/2018 09:30
1802017-07	Total Arsenic	EPA 6020A	KW	02/16/2018 09:30
1802017-07	Total Barium	EPA 6020A	KW	02/16/2018 09:30
1802017-07	Total Beryllium	EPA 6020A	KW	02/16/2018 09:30
1802017-07	Total Cadmium	EPA 6020A	KW	02/16/2018 09:30
1802017-07	Total Cobalt	EPA 6020A	KW	02/16/2018 09:30
1802017-07	Total Chromium	EPA 6020A	KW	02/16/2018 09:30
1802017-07	Total Copper	EPA 6020A	KW	02/16/2018 09:30
1802017-07	Total Molybdenum	EPA 6020A	KW	02/16/2018 09:30
1802017-07	Total Nickel	EPA 6020A	KW	02/16/2018 09:30
1802017-07	Total Lead	EPA 6020A	KW	02/16/2018 09:30
1802017-07	Total Antimony	EPA 6020A	KW	02/16/2018 09:30
1802017-07	Total Selenium	EPA 6020A	KW	02/16/2018 09:30
1802017-07	Total Thallium	EPA 6020A	KW	02/16/2018 09:30
1802017-07	Total Vanadium	EPA 6020A	KW	02/16/2018 09:30

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Cert# L2239 Testing

ADEM
Drinking Water
Certification
No. 40160

1802017-07	Total Zinc	EPA 6020A	KW	02/16/2018 09:30
1802017-08	Total Silver	EPA 6020A	KW	02/16/2018 09:30
1802017-08	Total Arsenic	EPA 6020A	KW	02/16/2018 09:30
1802017-08	Total Barium	EPA 6020A	KW	02/16/2018 09:30
1802017-08	Total Beryllium	EPA 6020A	KW	02/16/2018 09:30
1802017-08	Total Cadmium	EPA 6020A	KW	02/16/2018 09:30
1802017-08	Total Cobalt	EPA 6020A	KW	02/16/2018 09:30
1802017-08	Total Chromium	EPA 6020A	KW	02/16/2018 09:30
1802017-08	Total Copper	EPA 6020A	KW	02/16/2018 09:30
1802017-08	Total Molybdenum	EPA 6020A	KW	02/16/2018 09:30
1802017-08	Total Nickel	EPA 6020A	KW	02/16/2018 09:30
1802017-08	Total Lead	EPA 6020A	KW	02/16/2018 09:30
1802017-08	Total Antimony	EPA 6020A	KW	02/16/2018 09:30
1802017-08	Total Selenium	EPA 6020A	KW	02/16/2018 09:30
1802017-08	Total Thallium	EPA 6020A	KW	02/16/2018 09:30
1802017-08	Total Vanadium	EPA 6020A	KW	02/16/2018 09:30
1802017-08	Total Zinc	EPA 6020A	KW	02/16/2018 09:30
1802017-09	Total Silver	EPA 6020A	KW	02/16/2018 09:30
1802017-09	Total Arsenic	EPA 6020A	KW	02/16/2018 09:30
1802017-09	Total Barium	EPA 6020A	KW	02/16/2018 09:30
1802017-09	Total Beryllium	EPA 6020A	KW	02/16/2018 09:30
1802017-09	Total Cadmium	EPA 6020A	KW	02/16/2018 09:30
1802017-09	Total Cobalt	EPA 6020A	KW	02/16/2018 09:30
1802017-09	Total Chromium	EPA 6020A	KW	02/16/2018 09:30
1802017-09	Total Copper	EPA 6020A	KW	02/16/2018 09:30
1802017-09	Total Molybdenum	EPA 6020A	KW	02/16/2018 09:30
1802017-09	Total Nickel	EPA 6020A	KW	02/16/2018 09:30
1802017-09	Total Lead	EPA 6020A	KW	02/16/2018 09:30
1802017-09	Total Antimony	EPA 6020A	KW	02/16/2018 09:30
1802017-09	Total Selenium	EPA 6020A	KW	02/16/2018 09:30
1802017-09	Total Thallium	EPA 6020A	KW	02/16/2018 09:30
1802017-09	Total Vanadium	EPA 6020A	KW	02/16/2018 09:30
1802017-09	Total Zinc	EPA 6020A	KW	02/16/2018 09:30
1802017-10	Total Silver	EPA 6020A	KW	02/16/2018 09:30
1802017-10	Total Arsenic	EPA 6020A	KW	02/16/2018 09:30
1802017-10	Total Barium	EPA 6020A	KW	02/16/2018 09:30
1802017-10	Total Beryllium	EPA 6020A	KW	02/16/2018 09:30
1802017-10	Total Cadmium	EPA 6020A	KW	02/16/2018 09:30
1802017-10	Total Cobalt	EPA 6020A	KW	02/16/2018 09:30
1802017-10	Total Chromium	EPA 6020A	KW	02/16/2018 09:30
1802017-10	Total Copper	EPA 6020A	KW	02/16/2018 09:30

SAMPLE RESULTS REPORT

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Cert# L2239 Testing

ADEM
Drinking Water
Certification
No. 40160

1802017-10	Total Molybdenum	EPA 6020A	KW	02/16/2018 09:30
1802017-10	Total Nickel	EPA 6020A	KW	02/16/2018 09:30
1802017-10	Total Lead	EPA 6020A	KW	02/16/2018 09:30
1802017-10	Total Antimony	EPA 6020A	KW	02/16/2018 09:30
1802017-10	Total Selenium	EPA 6020A	KW	02/16/2018 09:30
1802017-10	Total Thallium	EPA 6020A	KW	02/16/2018 09:30
1802017-10	Total Vanadium	EPA 6020A	KW	02/16/2018 09:30
1802017-10	Total Zinc	EPA 6020A	KW	02/16/2018 09:30

The results contained in this report are only representative of the sample(s) received.

Valley Precision Grading, Inc.

Authorized Distributor



June 20, 2019

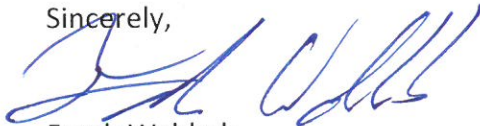
Chabot-Las Positas Community College District
7600 Dublin Blvd., 3rd Floor,
Dublin, CA 94568

Attn: Marie Hampton

Re: Copy of the firm's financial statement

Kristofer Olson, president of Valley Precision Grading, Inc. is not comfortable submitting the company financial statements prior to the award of contract. He will gladly submit these documents once the decision of the bid has been made and in the event that we win. Thank you again for this opportunity! We certainly do look forward to working with you and are available at any time to answer any questions or review this proposal.

Sincerely,



Farah Wahhab

Valley Precision Grading, Inc.

Authorized Distributor



Project Name	Customer	Location	Reference Contact Information
De La Salle High School	De La Salle High School	1130 Winton Drive Concord, CA 94518	Leo Lopoz Vice President for Athletics (925) 288-8144 lopozl@dlshs.org
River Valley High School	Yuba City Unified School District	801 El Margarita Rd, Yuba City, CA 95993	Mark Button Director of Maintenance Facilities (530) 822-5252 mbutton@ycusd.org
Ulrich/Benedetti Baseball	University of San Francisco	2497 Golden Gate Ave, San Francisco, CA 94117	Michael London Associate Vice President Facilities Management (415) 265-5445 melondon@usfca.edu
Negoesco Soccer	University of San Francisco	222 Stanyan St, San Francisco, CA 94117	Michael London Associate Vice President Facilities Management (415) 265-5445 melondon@usfca.edu
Jesuit High School	Jesuit High School	1200 Jacob Ln, Carmichael, CA 95608	Greg Harcos Director of Athletics (916) 482-6060, (916) 482-2310 greg.harcos@jesuithighschool.org
Exeter Union High School	Exeter Unified School District	505 Rocky Hill Dr, Exeter, CA 93221	Tim A. Hire Superintendent (559) 592-9421 ext. 9100 thire@exeter.k12.ca.us
C. K. McClatchy High School	Sacramento City Unified School District	3066 Freeport Blvd, Sacramento, CA 95818	Cathy Allen Chief Operations Officer Facility Support Services (916) 643-9233 cathy-allen@scusd.edu
Tulare Union High School	Tulare Joint Union High School District	755 E Tulare Ave, Tulare, CA 93274	Chris Stevens Director of Facilities (559) 688-2021 ext. 242 chris.stevens@tulare.k12.ca.us
Sierra College Football Field	Sierra College	5000 Rocklin Rd, Rocklin, CA 95677	Colon Irwin (916) 660-7655 cirwin@sierracollege.edu
Grant Union High School	Twin Rivers Unified School District	1400 Grand Ave, Sacramento, CA 95838	Bill McGuire Deputy Superintendent Administrative Services (916) 566-1600 ext. 50139 beth.brose@twinriversusd.org

Valley Precision Grading, Inc.

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Carondelet High School	Carondelet High School	3737 Valley Vista Rd, Walnut Creek, CA 94598	Dean Elmore Director of Facilities (925) 686-5353 delmore@carondeleths.org
Marin Catholic High School	Archdiocese of San Francisco	675 Sir Francis Drake Blvd, Greenbrae, CA 94904	Steve Bowers Director of Building and Construction (415) 292-0806 bowerss@adsfrpsc.org
Berkeley High School	Berkeley Unified School District	1980 Allston Way, Berkeley, CA 94704	Jeff Snow Facility & Operations Manager (510) 644-4567 jeffreysnow@berkeley.net
Mendota High School	Mendota Unified School District	1282 Belmont Ave, Mendota, CA 93640	Jose Alcaide Chief Financial Officer (559) 655-4942 jalcaide@mendotausd.k12.ca.us
Highlands High School	Twin Rivers Unified School District	6601 Guthrie St, North Highlands, CA 95660	Bill McGuire Deputy Superintendent Administrative Services (916) 566-1600 ext. 50139 beth.brose@twinriversusd.org
Rio Linda High School	Twin Rivers Unified School District	6309 Dry Creek Rd, Rio Linda, CA 95673	Bill McGuire Deputy Superintendent Administrative Services (916) 566-1600 ext. 50139 beth.brose@twinriversusd.org
Bernal Park	City of Pleasanton	Bernal Ave, Pleasanton, CA 94566	Steve Kirkpatrick Director of Facilities (925) 353-0006 skirkpatrick@cityofpleasantonca.gov
West Campus High School	Sacramento City Unified School District	5022 58th St, Sacramento, CA 95820	Cathy Allen Chief Operations Officer Facility Support Services (916) 643-9233 cathy-allen@scusd.edu
John F. Kennedy High School	Sacramento City Unified School District	6715 Gloria Dr, Sacramento, CA 95831	Cathy Allen Chief Operations Officer Facility Support Services (916) 643-9233 cathy-allen@scusd.edu
Rosemont High School	Sacramento City Unified School District	9594 Kiefer Blvd, Sacramento, CA 95827	Cathy Allen Chief Operations Officer Facility Support Services (916) 643-9233 cathy-allen@scusd.edu



The first name in turf  ...and all that's around it.

Warranty on AstroTurf® Synthetic Turf

AstroTurf Corporation, ("AstroTurf") warrants the synthetic grass surface (the "Product") at **2019 Sample Warranty** (the "Project") for a period of eight (8) years from the date of Substantial Completion of **Product installation** against defects in materials and/or workmanship, including ultraviolet degradation, excessive fading, seam rupture or dislodgment. AstroTurf will repair or replace, as it deems necessary, those materials that exhibit such defects resulting from materials or workmanship, at no cost to the Owner.

AstroTurf also guarantees that the average G-Max level of its field will not exceed 165 for the duration of the warranty. If the average of the G-Max readings exceeds 165 during the warranty period, AstroTurf will take whatever measures necessary, at no cost to the Owner, to return the G-Max scores to, or below, 165. The recommendations for proper maintenance of your AstroTurf surface, as outlined in our 'Owner's Manual and Guidelines' (attached hereto), shall be considered in determining neglect or proper maintenance of the synthetic grass surface and shall be considered an integral part of this warranty. The Owner is required to keep logs, manuals or other written documentation of all field maintenance completed on the referenced field, clearly showing dates, work completed and specific names of those performing the required maintenance procedures. Failure to perform scheduled maintenance, maintain the required documentation or failure to utilize properly trained maintainers may void this warranty.

This warranty, specifically, does not pertain to or obligate AstroTurf in any way regarding material applied or labor performed which was not under AstroTurf's control or which was supplied or performed by others who are not parties to the performance contract or this warranty. That is, AstroTurf will not warrant the performance or suitability of the sub-base, drainage system, and other items incorporated in the project as a whole. Assistance or recommendations provided to the Owner or his representatives or AstroTurf's approval of Owner's or his representatives' designs, plans or drawings in no way extend this warranty to materials or workmanship beyond those specifically supplied or controlled by AstroTurf.

AstroTurf does not warrant against normal wear and tear, as determined by an independent lab specializing in synthetic grass. AstroTurf also does not warrant against damage caused, directly or indirectly, by accident, improper use, negligence, abuse, neglect, vandalism, machinery, metal cleats or metal spiked shoes, animals, fire, flood, chemical reactions, static or dynamic loads exceeding AstroTurf specifications at the time of substantial completion of installation, the driving of motorized vehicles on the surface that exceed 2500 lbs., the driving of motorized vehicles under 2500 lbs at a speed of more than 5 miles per hour, improper or faulty subsurface preparation, failure of the subsurface after installation including settling of the surface, the use of dry cleaning fluids or improper cleaning methods, change in water table, exposure to light other than natural light or approved artificial light, or other acts of God.

AstroTurf's obligations under this warranty are restricted to the repair or, at its sole option, replacement of all or a portion of the affected parts covered by this warranty. The remedy of repair or replacement set forth in this warranty shall be the sole remedy and AstroTurf shall have no other obligations or liability in connection with any matter or thing, including without limitation, damages for personal injury or damages related to lost revenue, increased costs, downtime costs and all other indirect or consequential damages.

This warranty is expressly in lieu of all conditions and warranties expressed or implied in fact or in law or otherwise, including without limitation, any implied conditions or warranties as to merchantability or fitness for a particular purpose. No person or party is authorized to create any obligation or liability for AstroTurf other than the person authorized to execute this warranty for AstroTurf, and only the guarantee expressed herein shall apply.



The first name in turf  ...and all that's around it.

The obligations of AstroTurf® under the warranty are subject to full payment of all monies due to AstroTurf for materials and/or labor related to the above referenced Project. AstroTurf will handle all warranty claims promptly so long as the Owner's account is in good standing at the time of the claim. Furthermore, all claims by the Owner made under the foregoing warranty shall be invalid and null and void unless made in writing to AstroTurf within eight (8) years from the date of substantial completion of the Project and within thirty (30) days of the Owner learning of the cause giving rise to its claim. This warranty is not transferable and is made between the parties listed below.

Date of Substantial Completion: mm/dd/2019

Issued to Owner: 2019 Sample

Project Location: 2019 Sample

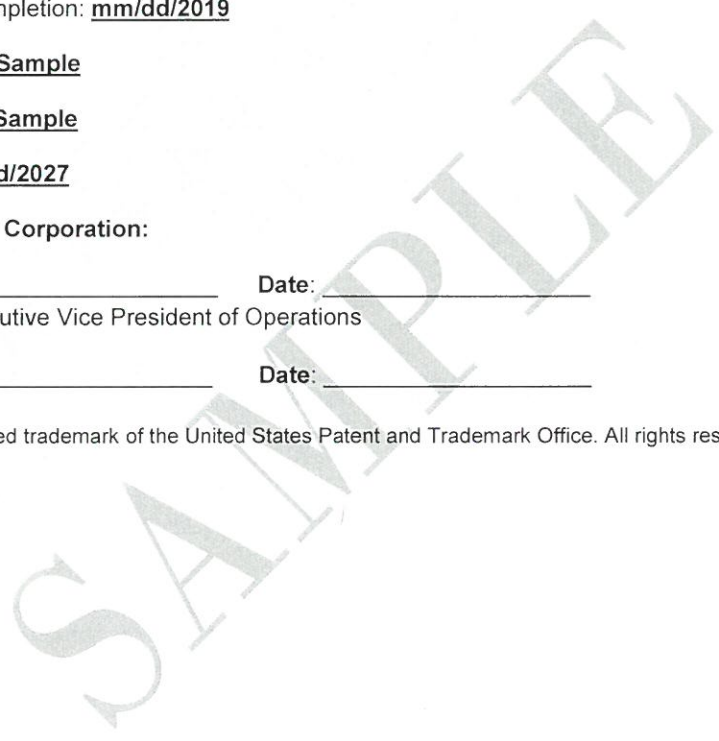
Expiration Date: mm/dd/2027

Approved by AstroTurf Corporation:

By: _____ Date: _____
Thomas Mullins - Executive Vice President of Operations

Witness: _____ Date: _____

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CERTIFICATION OF PRE-BID SITE VISIT

The Honorable Board of Trustees
Chabot-Las Positas Community College District
7600 Dublin Blvd., 3rd Floor
Dublin, California 94568

RE:**BID NO.: B18/19-05, Soccer Field Replacement Project – Las Positas College**

Ladies and Gentlemen:

In connection with submitting a Bid Proposal for the Work described as BID NO.: B18/19-05, Soccer Field Replacement Project – Las Positas College, I visited the Site of the Work on Wednesday, May 30, 2019 at 10:00 a.m.

on behalf of Valley Precision Grading, Inc.
Bidder Name

to inspect the Site of the proposed work, which will be turned over to the Bidder, if awarded the Contract, in its present condition, with a representative of the Chabot-Las Positas Community College, in order to acquaint the Bidder with the proposed Work so that the Bidder fully understands the facilities, difficulties, and restrictions attendant to execution and completion of the Work. I have also reviewed on behalf of the Bidder, the as-built drawings and/or previous Contract Documents, site conditions and RFP Documents with District representatives and/or Contract Manager at Las Positas College.

I certify all conditions provided for my review and their effect on the Work as called for in the RFP Documents are included and accounted for in the Bid Proposal amounts submitted to the District.

I understand that a Bidder who fails to submit this Certification of Pre-Bid Site Visit, fully executed, with the Bidder's Bid Proposal form, will result in rejection of the Bid Proposal for non-responsiveness.

Valley Precision Grading, Inc.

Name of Bidder

Kristofer Olson, President

Authorized Signatory

3330 Luyung Drive, Rancho Cordova, CA 95742
Address

916-638-8800
Phone Number

06/18/2019
Date

AMW
5/30/2019

CERTIFICATION OF PRE-BID SITE VISIT

The Honorable Board of Trustees
Chabot-Las Positas Community College District
7600 Dublin Blvd., 3rd Floor
Dublin, California 94568

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Name of Bidder

Authorized Signatory

Address

Phone Number

Date

AMW
5/30/2019

Valley Precision Grading, Inc.

Authorized Distributor



7. Describe how your firm would handle typical customer service issues related to warranty and maintenance issues

Our approach to handling customer service issues related to warranty and maintenance is to always be upfront with the customer about what the issue is. When you know what caused the issue you have a greater chance of coming up with a permanent solution. Based on the situation we may have different options which we will discuss with the customer and decide on what is their best option. We are not going to try and sell you on ways to cover up an issue if it is going to put the integrity of your investment at risk and the player's life in harm's way.

WARRANTY REQUIREMENTS

At time of proposal submission, the Turf Company shall submit its Manufacturer's Warranty which guarantees the usability and playability of the synthetic turf system for its intended uses for a minimum eight (8) year period commencing with the date of Notice of Completion. Intended uses include, but are not limited to the sports receiving permanent striping, including physical education, games and practice, summer camps, etc.).

The warranty submitted must have the following characteristics:

1. Be a non-prorated, non-cancellable up-front pre-paid, third-party insured warranty. Warranty shall be covered by a third party insurance policy, non-cancelable and pre-paid, and is in effect covering this installation, and underwritten by a Best "A" Rated (or better) Insurance Carrier listed in the A.M. Best Key Rating Guide. Draft project specific warranty document to be provided for review by the District within ten (10) days after award of contract.
2. Insurance carrier must confirm that the policy is in force and premiums prepaid for entire warranty duration in full.
3. The policy must include a minimum annual aggregate of \$10,000,000 per year and be based on claims arising from fields installed and completed only during the policy year.
4. The policy must provide full coverage for eight (8) years (minimum) from the date of Notice of Completion.
5. The policy shall cover all costs associated with full field replacement with new equal or better turf material, including labor, materials and any other costs to repair or replace the field.
6. District shall not be responsible for any deductible.
7. Warranty shall have no restrictions on hourly use limitations as long as the primary athletic use on the field is as anticipated in the original design.
8. Must warrant materials and workmanship, and that the materials installed meet or exceed the product specifications, including general wear and damage caused from UV degradation.
9. Must have a provision to either make a cash refund or repair or replace such portions of the installed materials that are no longer serviceable to maintain a serviceable and playable surface.
10. Must be a warranty from a single source covering workmanship and all self-manufactured or procured materials.
11. Guarantee the availability of replacement material for the synthetic turf system installed for the full warranty period.
12. Turf must maintain an ASTM F355 G-Max of less than 160 for the life of the warranty.
13. The Turf Company must verify that its onsite representative has inspected the installation and that the work conforms to the Manufacturer's requirements. The Manufacturer will submit written certification that the policy is in effect, fully funded and that the installation is added to the policy upon completion and acceptance.
14. The warranty shall be made out to Chabot - Las Positas Community College District.

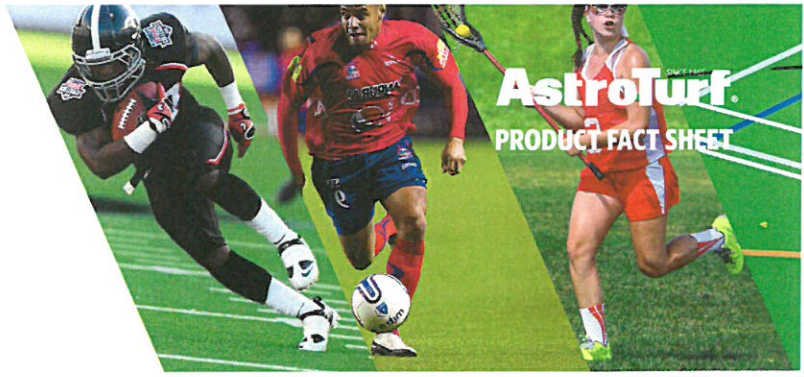
INSURANCE REQUIREMENTS

With the signed contract, the District will require a copy of the contractor's insurance. The second page endorsement (form CG 29) of the insurance policy must name Chabot – Las Positas Community College District, its Board members, agents, and employees" as additional insured. The policy must include:

- Commercial general liability insurance with limits not less than \$2,000,000 per occurrence and \$4,000,000 aggregate.
- Workers' Compensation including Employers' Liability Insurance with limits not less than \$1,000,000 each accident, occurrence or disease and \$1,000,000 aggregate.
- Builder's Risk for the full value of the work.



RHINO BLEND



AstroTurf's Rhino Series synthetic sports turf is a good choice for clients who want to increase the playing time and performance of their sports fields. The Rhino Series systems benefit from AstroTurf's legendary quality control protocols, industry-leading R&D efforts and start to finish control over manufacturing, civil construction and installation.

Rhino Series Blend products combine high quality Legend monofilament fibers and slit film fibers for resistance to wear and aesthetics for your field.

Rhino Series fields play and look so natural, yet provide the easy maintenance and exceptional durability we've become famous for over the past 50+ years.

- ◆ Exclusive, precise in-house fiber masterbatch formulations with cutting edge ultraviolet and heat stabilizers
- ◆ Legend-shaped monofilament fibers that refract light naturally for a grass-like appearance
- ◆ Legend monofilament fibers are 330 microns thick for enhanced durability
- ◆ Exceptionally durable slit film fibers for resistance to wear
- ◆ Entanglement technology, wherein we entangle molecular side chains to reinforce the fiber and prevent splitting
- ◆ Multi-layer woven primary backing
- ◆ The latest polyurethane technology to enhance tuft lock, dimensional stability and fiber adhesion, with polymer formulations engineered in Germany and applied in our own American factory

RHINO BLEND

Rhino Series Blend products combine high quality Legend monofilament fibers and slit film fibers for resistance to wear and aesthetics for your field.



"We're extremely pleased with our new AstroTurf athletic fields. They represent an important part of a world-class multi-sport venue."

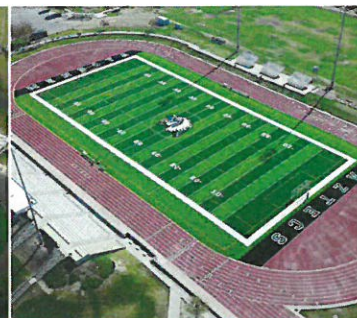
Kerry Martin, President of SOZO Sports (WA)



Allegheny Co. Sports & Athletic Complex - Montour Junction, PA



Lake Howell High School - Winter Park, FL



Mendota High School - Mendota, CA



University of Michigan - Ann Arbor, MI

FINISH FABRIC	VALUE	ASTM TEST METHOD
Face Yarn Type	Legend Polyethylene Monofilament and Polyethylene Slit Film	N/A
Yarn Denier	10,400 (6 ends, 1,800 denier per end for Mono, 10,000 denier per end for Slit Film)	D-1577
Yarn Thickness	330 microns for Mono, 115 microns for Slit Film	D-3218
Pile Weight	42 oz per SY	D- 5848
Finished Pile Height	2.25"	D-5823
Standard Field Color	Field Green, Lime Green	None
Construction	Tufted	None
Turf Density	672 oz/yd ³	HUD 44d
Gauge:	3/8"	D-5793
Primary Backing	8 oz per SY Multilayer Polypropylene/Polyester	D- 5848
Secondary Backing	20 oz per SY Polyurethane	D- 5848
Total Carpet Weight	70 oz per SY (+/- 5%)	D-5848
Turf Roll Dimensions	15' wide by custom lengths up to 220'	N/A
Perforations	3/16" holes on staggered 4" (approximate) centers	N/A
Turf Permeability	> 30" +/- per hour	F-1551
Tuft Bind	> 8 lbs	D-1335
Grab Tear Strength (Average)	> 200 lbs	D-5034
Lead Content	< 50 ppm	F-2765
Elongation to Break	> 50%	D-2256
Yarn Breaking Strength	> 20 lbs	D-2256
Yarn Melting Point	248° F	D-789
Flammability	TEST PASSED	D-2859

Some of our installations include:

- | | | | |
|-------------------------------------|------------------------------------|--|--------------------------------------|
| University of Akron (OH) | Chartiers Houston High School (PA) | Lakeville South High School (MN) | Sacred Heart Preparatory School (CA) |
| Albion College (MI) | Cleveland State University (OH) | La Roche College Athletic Complex (PA) | Sapulpa High School (OK) |
| Andover Schools (KS) | Colquitt County High School (GA) | Lutheran West High School | Schurz High School (IL) |
| Artesia School District (NM) | Davenport University (MI) | Lynchburg City Stadium (VA) | Soquel High School (CA) |
| Aurora University (IL) | Fort Scott High School (KS) | Maize High School (KS) | Southwest Christian School (TX) |
| Baldwin Wallace College (OH) | Gig Harbor High School (WA) | Miss Porter's School (CT) | Starfire Sports Complex (WA) |
| Baylor School (TN) | Glennville State College (WV) | Mississippi State University (MS) | The Benjamin School (FL) |
| Berkeley High School (CA) | Grand Canyon University (AZ) | Mt. Lebanon High School (PA) | Troy University (AL) |
| Bishop Verot High School (FL) | The Harker School (CA) | University of Oklahoma (OK) | United Sports Training Center (PA) |
| Blue Springs School District (MO) | Kalamazoo College (MI) | Oviedo High School (FL) | Villanova University (PA) |
| Carroll County School District (GA) | Kamehameha School (HI) | Prince William High School (VA) | Waterloo CSD (IA) |
| Central Michigan University (MI) | Kiski Area School District (PA) | Ripley High School (WV) | Waukesha School District (WI) |



Note: 1.31:19 SS. Valid through 12/31/2019. Any change from the specified values is considered a special product that will require confirmation from manufacturing prior to ordering. All values are ± 5%. AstroTurf® has the right to modify technical specifications on the above-mentioned product. Delivered products can slightly differ from the technical data. AstroTurf® guarantees the technical quality of the proposed article.



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