REGA
ENGINEERING
GROUP, INC.

# ADDENDUM NO. 2

TITLE: **HUMPHREY PUBLIC SCHOOL POST TENSION TRACK AND FOOTBALL FIELD PROJECT**
HUMPHREY PUBLIC SCHOOLS

PROJECT: REGA NO. 131295
BVH Project L13487
ADDRESS: 405 South 7th Street

LOCATION: Humphrey, Nebraska

DATE OF ADVERTISEMENT: October 8, 2014

DATE OF ISSUE: October 30, 2104

DATE OF BID OPENING: November 4, 2014

NOTE TO ALL PLAN HOLDERS: Please insert this Addendum into your copy of the contract documents for the above named project.

The following changes to the contract documents are issued by the Architect/Engineer, shall be attached and made a part of the plans and specifications and shall have the same force and effect as though a part of the original issue. All other stipulations and requirements of the plans and specifications remain in effect.

## GENERAL

1. **Submitting bid proposal via email is not acceptable.**
2. **Testing, the Owner is responsible for all concrete and soils compaction testing. The contractor is responsible all retesting. The contractor is responsible for all remaining tests, reports, records and certifications required for the project.**
3. **Delete: Geotechnical Report; Granular Base layer of crushed rock or crushed concrete under the Post-Tension Track.**
4. **Delete: General Note from BVH Addendum # 1 - Contractor shall provide Foundation Design. Design/Construction drawings to be prepared and stamped by a licensed Engineer in the State of Nebraska.**
5. **Unsuitable materials if encountered will be addressed through the General Conditions of the content documents.**

## BID DOCUMENTS

**Delete: Bid Form 400: Alternate Number 18 in its' entirety.**

**Add: Pre-Bid Meeting Attendee List.**

**Add: Quality Control Section 1400, the aggregate Limestone Finished Layer shall be placed to a finished grade of plus/minus ¼". Engineer shall provide a conformance survey on a 25 foot grid system a maximum of two (2) times. Additional requests by the Contractor for conformance surveys will be paid for by the Contractor at the Engineers' current hourly rates.**

**Add: Quality Control Section 1400, The Post Tension Track Builder shall furnish to the Owner and Engineer a Track Certification meeting Class 4 requirement of the American Sports Builders Association (ASBA).**

**CHANGES TO THE SPECIFICATIONS:**

**Add: BVH, Humphrey Public School – Track and Field ADD #2 in its' entirety.**

**Add: Post Tensioned Concrete Running Track, Section 03-38-16.1 Page 1 in its' entirety.**

**Add: Earthmoving 31-20-00 Specification Section 3.07 Granular Fill. Paragraph B. 1" Clean Limestone Base Course shall be clean and meet the following gradation requirements.**

| Sieve/Test | Average Passing | Specification |
|---|---|---|
| 1 ½" (37.5 mm) | 100.0 | 100-100 |
| 1" (25 mm) | 96.8 | 95-100 |
| ¾" (19 mm) | 73.2 | |
| ½" (12.5 mm) | 39.6 | 25-60 |
| 3/8" (9.5 mm) | 22.5 | |
| # 4 (4.75 mm) | 3.6 | 0-10 |
| # 8 (2.36 mm) | 3.0 | 0-5 |
| # 10 (2 mm) | 2.9 | |
| # 16 (1.18 mm) | 2.7 | |
| # 30 (0.6 mm) | 2.5 | |
| # 40 (0.425 mm) | 2.4 | |
| # 50 (0.3 mm) | 2.2 | |
| # 100 (0.15 mm) | 2.0 | |
| # 200 (75 um) | 1.70 | |
| Pan | 0.00 | |

**Add: Earthmoving 31-20-00 Specification Section 3.07 Granular Fill. Paragraph B. 1/4"Washed Chip Limestone Finished Layer shall be washed and meet the following gradation requirements.**

| **Sieve** | **Average Passing** | **Specification** |
|---|---|---|
| 3/8" (9.5 mm) | 100.0 | 98-100 |
| **Sieve** | **Average Passing** | **Specification** |
| # 4 (4.75 mm) | 45.7 | 45-57 |
| # 8 (2.36 mm) | 7.1 | 0-10 |
| # 16 (1.18 mm) | 2.5 | |
| # 30 (0.6 mm) | 1.6 | 0-4 |
| # 50 (0.3 mm) | 1.3 | |
| # 100 (0.15 mm) | 1.1 | |
| # 200 (75 um) | 1.0 | 0-2 |
| Pan | 0.0 | |

**Add: Earth Moving Specifications Section 31-20-00 Section 3.03 Paragraph D. In areas to receive synthetic turf and upper 8" below track the subgrade shall be compacted to 98% minimum dry density (ASTM698) with moisture content within the range of -2 to +3 percent.**

**Add: Synthetic Turf Field Section 32-18-13 Section 2.01 paragraph B, Blade type shall be a Dual Fiber System (monofilament and fibrillated slit tape).**

**Delete: Division 3 – Concrete from BVH Addendum # 1.**

**Add: Section 033000 Cast in Place Concrete. Slab reinforcement 6 x 6 W1.4X x W1.4 WWF.**

**Add: Section 33 36 00 Subdrainage. Paragraph 2.01, HDPE Perforated Pipe is acceptable.**

**CHANGES TO THE PROPOSAL FORMS:**

**Add: Table of Contents, Appendix A in its entirety.**

**CHANGES TO PLAN SHEETS**

SHEET C1.2 ALT.

**Delete: Enlarged planview w/optional turf location only. (Alternate # 7)**

**Add: Enlarged planview w/optional turf location only (Alternate # 7) in its' entirety. Concrete in fill shall include track surfacing per specifications.**

SHEET C1.2

**Add: Concrete Pavement "D" Area shall be 5" Post Tensioned Concrete w/track surfacing.**

SHEET C1.3

Delete: On Detail 1/C1.3 wording; 5" of (3/4") Clean Limestone Base Course, and 1" of (3/8") Finished Layer Washed Chips, By Contractor in its entirety.

**Add: On Detail 1/C1.3 wording; 5" of (1") Clean Limestone Base Course, and 1" of (1/4") Washed Chip Limestone Finished Layer by Contractor and meeting the specifications in its entirety.**

SHEET C1.4

**Add: Contractor shall obtain electrical power for the proposed Storage Building from inside the Pump House Building directly South of the Proposed Storage Building and make all electrical connections in both buildings. Contractor to provide a 100 amp electrical panel in the new Storage Building including but not limited to: wiring, conduits, breakers , 110 duplex outlets (number by code), one (1) 220 outlet, fixtures, trenching, and all incidentals to complete the work.**

SHEET C2.0

**Add: Long Jump/Triple Jump Pit Detail 11/C2.0. Take Off Boards shall be Sports Field Specialties model TFLT00855 8" Take Off Board or approved equal.**

SHEET C2.1

**Add: On Detail 5/C2.1 Goal Post shall be Sports Field Specialties Model GP4380 or approved equal and Access Frame Kit by Sports Field Specialties Model GP4570 with infill Retainer system for Goal Post Ground Sleeves. Also provide Model 4545 Cover Plug at Goal Posts and Provide Model 4522 Full Cover Plug or approved equal at Goal Post Foundations for future placement of Goal Posts.**

**Add: On Detail 6/C2.1 Ground Sleeve shall be Sports Field Specialties Model 42112 or approved equal.**

**Add: On Detail 7/C2.1 Water Valve Box shall include full all aluminum cover plug with 1- ¼" high flexible gasket seals and six (6) – 3/8" Drain Holes with synthetic turf and in fill such that the cover plug can be removed to provide unobstructed access to the valve box cover.**

SHEET C2.0

**Add: Detail 10/C2.0 Shot Put Concrete Pad. Metal throwing ring shall be Sports Field Specialties Model SSI373 or approved equal.**

**Add: Detail 9/C2.0 Discus Concrete Pad. Model SSI371 or approved equal.**

SHEET C2.1

**Add: Detail 8/C2.1 Pole Vault Box Detail shall include Sports Field Specialties Model SSI502 Aluminum Pole Vault Box or approved equal.**

SHEET C2.2

**Add: Detail 8/C2.2 Pull Box Detail. Pull Boxes within the synthetic turf area, the pull box shall include a full all aluminum cover plug with 1-1/4" high flexible gasket seals and six (6) - 3/8" drain holes with synthetic turf and inn fill such that the cover plug can be removed to provide unobstructed access to the pull box cover.**

**Add: Detail 3/C2.2 Timing Box Detail shall include full all aluminum cover plug with 1-1/4" high flexible gasket seals and six (6) - 3/8" drain holes with synthetic turf and in fill such that the cover plug can be removed to provide unobstructed access to the water valve box cover. Owner will install all conductors, install Ethernet duplex receptacles, GFI duplex receptacles and make final connections. Contractor to provide all remaining items as shown on the detail.**

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Respectfully Submitted,
REGA ENGINEERING GROUP, INC

Dan J. Rosenthal, P.E.

REGA ENGINEERING GROUP, INC.

**Meeting Attendee List** **Date: 10/28/14**

**Project Description: Humphrey Track and Football Field Pre-Bid Meeting**

**REGA Job #: 131295**

| Name | Organization | Phone # | Email Address |
|---|---|---|---|
| Doug Bellar | | 402-920-1291 | |
| Larry Goering | JB Cont | 402-968-8917 | PROSTSCO@AOL.COM |
| Todd Kastanek | MECC | 402-443-3663 | todd@mecollinscontracting.com |
| Jeff Emanuel | Nemaha | (402) 434-5488 | jemanuel@nemaha.net |
| Greg Sjuts | School | 402-920-0289 | gsjuts@esu7.org |
| Ron Zach | school | 402-920-3072 | Ron-Zach@bd.com |
| Ron Krings | School | 402-920-1332 | rkrings@esu7.org |
| Rich Heinen | Heinen Electric | 402 923 1145 | rheinen@telebeep.com |
| Jim Hassenstab | A-H Bldg Supply | 402-923-0825 | ahbuild@telebeep.com |
| Dan Rosenthal | REGA ENG | 402-484-7342 | dan@regaengineering.com |
| Jim Berg | BVH | 402-475-4551 | |
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| **PROJECT:** | HUMPHREY PUBLIC SCHOOL - TRACK AND FIELD | **PROJECT NO.** | L13487 |
| **FROM:** | Darin Hanigan | **DATE:** | 10/29/2014 |
| **TO:** | Bidders | **ADDENDUM NO.** | #2 |

*This Addendum is issued by the Architect to all bidders of record prior to receipt of proposals. Bidders shall acknowledge receipt of this addendum by so indicating on the Proposal Form. Failure to do so may subject Bidder to disqualification.*

*All information and instructions given herein shall become a part of the Contract Documents.*

**GENERAL**

1. Below grade fluid applied waterproofing – Bitumen-Modified Polyurethane Waterproofing: Cold-applied one component bitumen-modified polyurethane, complying with ASTM C836. Provide protection board where ever fluid applied waterproofing occurs.
2. Bleacher Specifications
    a. Guardrail to be at all sides of bleacher, entry stairs, walkways, ramps, and landings where 30 inches or more above adjacent area or grade. Top rail shall be 42 inches (min) above walkways and nose of adjacent seat. Include 9 gauge galvanized chain link fencing fastened in place with galvanized fittings and aluminum ties.
    b. Handrails shall be provided at all ramps and stairs 1 5/8" O.D. clear anodized aluminum piping with extensions and returns per building code.
    c. Stairs are 2x12 aluminum planks with maximum of 7 inches of rise and minimum of 11 inches of tread. Guardrails and handrails per code.
    d. Materials:
        i. Aluminum Structural Shapes: Extruded alloy 6061-T6.
        ii. Aluminum planking: Extruded alloy 6063-T6 wall thickness nominally .078".
        iii. Aluminum guardrails: Extruded alloy 6061-T6.
        iv. Aluminum guardrail support post: Extruded alloy 6061-T6.
        v. Concrete slab on grade foundations: minimum compression strength of 3,000 psi at 28 days.

**DRAWINGS**

1. Sheet A1.1
    a. Detail A10 and A14 Sections
        1. Concrete footing to be 1'-4" x 3'-4" with 2 - #5's top and bottom. 4,000 psi-28 day compressive strength with max water to cement ratio of .50.
        2. CMU reinforcing to be #5's at 4'-0" O.C.
        3. Note: Grout first two courses of CMU full around the entire perimeter.

**END OF ADDENDUM**

# POST-TENSIONED CONCRETE RUNNING TRACK

## SECTION 03 38 16.1

## PART I - DESCRIPTION OF WORK

The contract work to be performed under this section consists of furnishing all required design, labor, materials, equipment, implements, parts and supplies necessary for, or appurtenant to, the construction of a five-inch (5") thick post-tensioned concrete slab for use as a running track..

### 1.1 Quality Assurance

Work is to be performed by contractor with experience in running track post-tensioned concrete construction in accordance with the following specifications. Contractor will be a member of the American Sports Builders Association, have a Certified Track Builder and Post Tension Institute certified installer on staff.

**To eliminate potential liabilities of construction, the Post-Tension Track Contractor shall assure single source responsibility by completing all work with own forces. To include fine grading, form installation, tendon placing, concrete placement tendon stressing, and have five (5) years' experience with Post Tension construction and assigned foreman shall have at least five (5) years direct experience.**

### 1.2 Submittals

Contractor to provide the following documentation:

a) Detailed drawing of proposed running track
b) Concrete mix design.
c) Cable elongation records following final stress operations.
d) Mill certification for cable and anchoring device specifications

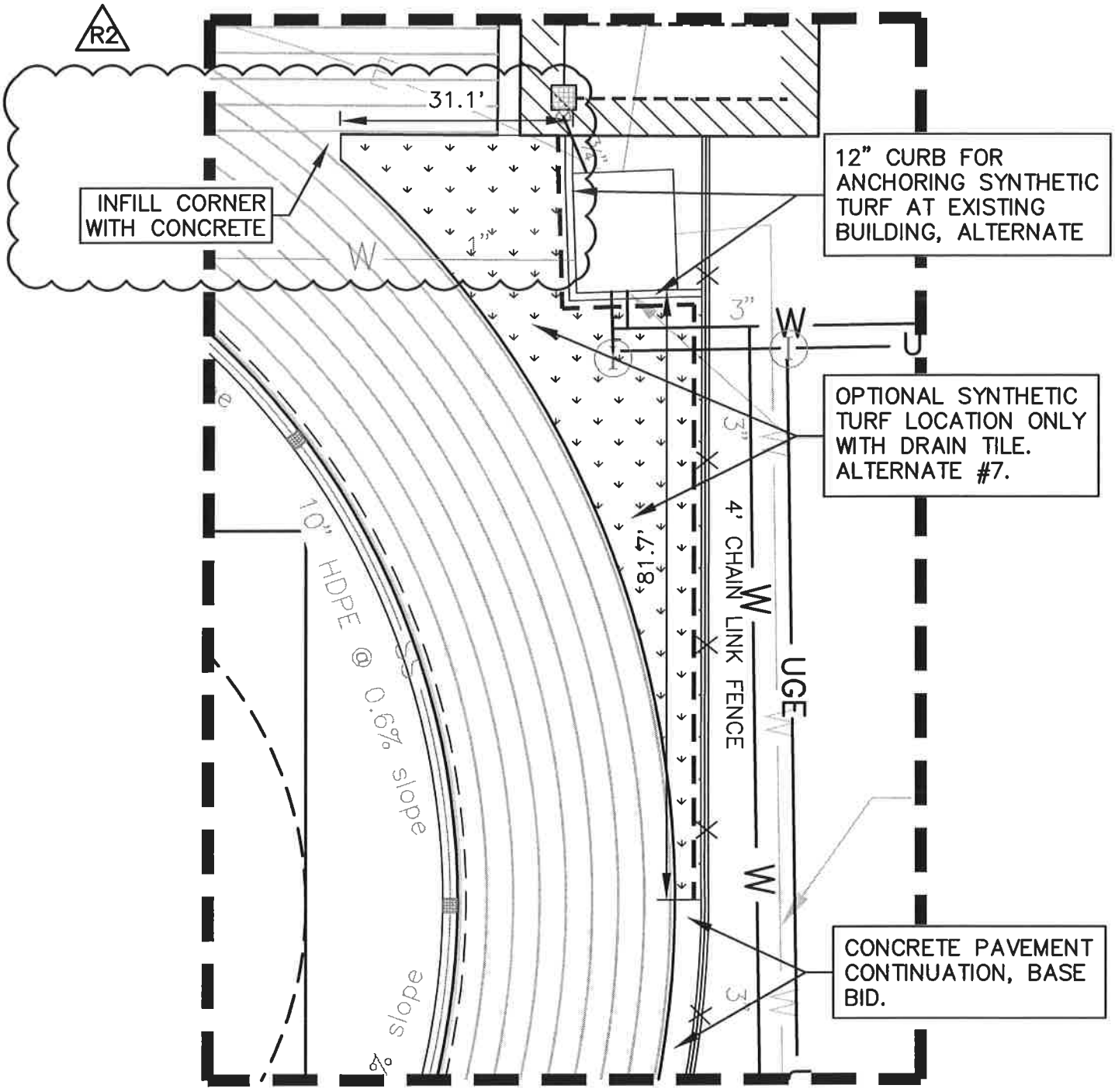
### 1.3 Guaranty

Contractor shall guaranty that all materials and workmanship incorporated into the project will be of new quality and free from defects, and that all work will be installed as specified and drawn, and in conformance with the project documents. Any material or workmanship found to be defective or out of specification will be replaced, at the sole cost of the contractor, for a period of three (3) years from date of acceptance.

## PART 2 - MATERIALS

### 2.1 Fine Grading Materials

Fine grading material to be a free draining, loosely compactable material, such as Structural Fill or Crusher Fines.




# ENLARGED PLANVIEW w/OPTIONAL TURF LOCATION ONLY (ALTERNATE #7)

**REGA NO. 131295**

| ISSUED FOR: | DATE: | BY: |
|---|---|---|
| ADD. #2, REVISED ENLARGED PLANVIEW, ADD INFILL CORNER WITH CONCRETE. | 10/30/14 | SDB |
| | | |

REF. SHT# C1.2 ALT

REGA ENGINEERING GROUP, INC.