

**ADDENDUM NUMBER ONE  
TO PLANS AND SPECIFICATIONS FOR  
TENNIS COURTS AT NEW BRAUNFELS MIDDLE SCHOOL  
& OAK RUN MIDDLE SCHOOL  
NEW BRAUNFELS INDEPENDENT SCHOOL DISTRICT**

**STANTEC ARCHITECTURE  
3001 Bee Caves Road, Suite 300  
Austin, TX 78746**

**November 06, 2020**

This Addendum is generally separated into sections for convenience; however, all contractors, subcontractors, material suppliers and other involved parties shall be responsible for reading the entire Addendum. Failure to list an item(s) in all affected sections of this Addendum does not relieve any party affected from performing per instructions, provided the information is set forth one time anywhere in the Addendum.

This document shall become attached to and part of the construction documents for the aforementioned project.

CLARIFICATIONS AND MODIFICATIONS TO THE PROJECT DOCUMENTS:

**INCLUDED IN THIS ADDENDUM**

**PRIOR APPROVAL**

None.

**GENERAL ITEMS**

None.

**ADDENDUM NARRATIVES PER DISCIPLINE (ATTACHED):**

1. Civil narrative
2. Architectural narrative

**Issued by:**

**STANTEC ARCHITECTURE INC.**  
Amber O'Donnell  
Associate, Project Manager  
Direct: 512-867-6012  
aodonnell@stantec.com

**NUMBER OF ATTACHMENTS: (7) Pages.**

**CIVIL NARRATIVE:**

1. Included Addendum Narratives:

None

2. Included Addendum Specifications:

Item 01:

REPLACE entire Specification Section 32 91 19.13

With the attached 32 91 19.13– Spreading and Grading Topsoil Section.

3. Included Addendum Drawings:

None

**END OF Addendum #01 Civil narrative**

**Issued by:**

**GIL ENGINEERING.**

VICTOR M. GIL P.E.,R.P.L.S

T 512 835 4203

gilengineering.com

**ARCHITECTURAL NARRATIVE:**

01. Included Addendum Narratives:

Item 01: Specification Section 00 21 13 - INSTRUCTIONS TO PROPOSERS:  
REVISE Paragraph G 14 TO READ:

14. OFFERORS QUESTIONS ABOUT PROJECT DOCUMENTS

Offeror shall submit any questions regarding the project documents including, but not limited to, the specifications and drawings, in writing, to the project architect for clarification. Questions will be accepted until close of business day on **Friday, November 20, 2020**. Responses to all questions received by the due date will be answered through an addendum to be posted at Miller BluePrint and on the district's website by the end of business on **November 26, 2020**. Copies of this information will be also be forwarded to all known interested parties.”

02. Included Addendum Specifications:

None

03. Included Addendum Drawings:

None

**END OF Addendum #01 Architectural narrative**

**Issued by:**

**STANTEC ARCHITECTURE INC.**

Jon Ratliff, RA, NCARB  
Associate, Project Architect  
P | 713.548.5772  
E | [jon.ratliff@stantec.com](mailto:jon.ratliff@stantec.com)



November 06, 2020

SECTION 32 91 19.13 - SPREADING AND GRADING TOPSOIL

PART 1 – GENERAL

1.01 RELATED SECTIONS

1. Section 31 11 00 - Clearing and Grubbing.
2. Section 31 22 13 - Rough Grading.

1.02 QUALITY ASSURANCE

1. Test Reports: certified test reports showing compliance with specified performance characteristics and physical properties.
2. Certificates: product certificates signed by manufacturer certifying materials comply with specified performance characteristics and criteria and physical requirements.
3. Pre-Installation Meetings: conduct pre-installation meeting to verify project requirements, installation instructions and warranty requirements.

1.03 SOURCE QUALITY CONTROL

1. Advise Owner's Representative of sources of topsoil to be utilized 7 days in advance of stating time.
2. Contractor is responsible for soil analysis and requirements for amendments to supply topsoil as specified.
3. Soil testing by recognized testing facility for PH, P and K, and organic matter.

1.04 PROTECTION

- A. Prevent damage to existing trees to remain, benchmarks, pavement and utility lines. Correct damage at no cost to owner.

PART 2 - PRODUCTS

2.01 TOPSOIL

1. Topsoil for seeded areas: mixture of mineral particulates, micro organisms and organic matter which provides suitable medium for supporting intended plant growth.
  - a. Soil texture based on The USGS System of Soil Classification, to consist of 40% to 60% sand, 12-27% clay, and contain 2 to 10 % organic matter by weight.
  - b. Contain no toxic elements or growth inhibiting materials.
  - c. Free from:
    - (1) Debris and stones over 2 inches in diameter
    - (2) Course vegetative material, 2 inches in diameter and 4 inch length, occupying more than 2% of soil volume.
  - d. Consistence: friable when moist.



- e. pH between 6.0 and 7.0

## 2.02 SOIL AMENDMENTS

### A. Fertilizer:

1. Fertility: major soil nutrients present in following amounts:
2. Nitrogen (N): 20 to 40 micrograms of available N per gram of topsoil.
3. Phosphorus (P): 40 to 50 micrograms of phosphate per gram of topsoil.
4. Potassium (K): 75 to 110 micrograms of potassium per gram of topsoil.
5. Calcium, magnesium, sulfur and micro-nutrients present in balanced ratios to support germination and/or establishment of intended vegetation.
6. Ph value: 6.5 to 8.0.

### B. Peatmoss:

1. Derived from partially decomposed species of Sphagnum Mosses.
2. Elastic and homogeneous, brown in colour.
3. Free of wood and deleterious material which could prohibit growth.
4. Shredded particle minimum size: 5 mm.

### C. Sand: washed coarse silica sand, medium to coarse textured.

### D. Limestone:

1. Ground agricultural limestone.
2. Gradation requirements: percentage passing by weight, 90% passing 1.0 mm sieve, 50% passing 0.125 mm sieve.

### E. Fertilizer: industry accepted standard medium containing nitrogen, phosphorous, potassium and other micro-nutrients suitable to specific plant species or application or defined by soil test.

## PART 3 – EXECUTION

### 3.01 STRIPPING OF TOPSOIL

1. Do not handle topsoil while in wet or frozen condition or in any manner in which soil structure is adversely affected.
2. Commence topsoil stripping of areas as indicated after area has been cleared of brush weeds and grasses and removed from site.
3. Strip topsoil to depths as indicated. Avoid mixing topsoil with subsoil where textural quality will be moved outside acceptable range of intended application.

4. Stockpile in locations as directed by Owner's Representative or where shown on the plans. Stockpile height not to exceed 10 feet
5. Disposal of unused topsoil as directed by Owner's Representative.
6. Protect stockpiles from contamination and compaction

### 3.02 PREPARATION OF EXISTING GRADE

1. Verify that grades are correct. If discrepancies occur, notify Owner's Representative and do not commence work until instructed by Owner's Representative.
2. Grade soil, eliminating uneven areas and low spots, ensuring positive drainage.
3. Remove debris, roots, branches, stones in excess of 50 mm diameter and other deleterious materials. Remove soil contaminated with calcium chloride, toxic materials and petroleum products. Remove debris which protrudes more than 75 mm above surface. Dispose of removed material off site.
4. Coarse cultivate entire area which is to receive topsoil to minimum depth of 6 inches. Cross cultivate those areas where equipment used for hauling and spreading has compacted soil.

### 3.03 PLACING AND SPREADING OF TOPSOIL/PLANTING SOIL

1. Place topsoil after Owner's Representative has accepted subgrade.
2. Spread topsoil in uniform layers not exceeding 6 inches, over unfrozen subgrade free of standing water.
3. For sodded areas keep topsoil 2 inches below finished grade.
4. Spread topsoil as indicated to following minimum depths after settlement and 80% compaction:
  - a. 6 inches for seeded areas
  - b. 5 inches for sodded areas.
  - c. 12 inches for shrub beds
5. Manually spread topsoil/planting soil around trees, shrubs and obstacles.
6. After spreading, any large, stiff clods and hard lumps shall be broken with a pulverizer or by other effective means, and all stones or rocks (2 inches or more in diameter), roots, litter, or any foreign matter shall be raked up and disposed of by the Contractor. After spreading is completed, the topsoil shall be satisfactorily compacted by rolling with a cultipacker or by other means approved by the Owner's representative. The compacted topsoil surface shall conform to the required lines, grades and cross-sections. Any topsoil or other dirt falling upon pavements as a result of hauling or handling of topsoil shall be promptly removed.
7. If there is an excess of topsoil, the Contractor shall transport the excess topsoil to and place material at a properly permitted dump site.

### 3.04 FINISH GRADING

1. Grade to eliminate rough spots and low areas and ensure positive drainage. Prepare loose friable bed by means of cultivation and subsequent raking.
2. Consolidate topsoil to required bulk density using equipment approved by Owner's Representative. Leave surfaces smooth, uniform and firm against deep footprinting.

### 3.05 ACCEPTANCE

1. Owner's Representative will inspect and test topsoil in place and determine acceptance of material, depth of topsoil and finish grading. Approval of topsoil material subject to soil testing and analysis.
2. Testing of topsoil will be carried out by testing laboratory designated by Owner's Representative. Soil sampling, testing and analysis to be in accordance with TxDOT regulations and standards. Contractor will pay for cost of tests as specified in Section 01 45 00 – Quality Control.

### 3.06 RESTORATION OF STOCKPILE SITES

1. Restore stockpile sites acceptable to Owner's Representative.

### 3.07 SURPLUS MATERIAL

1. The contractor shall dispose of excess materials at a permitted dump site. Contractor to maintain records of where the excess material was disposed at.

### 3.08 CLEANING

1. Upon completion of installation, remove surplus materials, rubbish, tools and equipment barriers.

END OF SECTION 33 40 00