RVK

ADDENDUM

Project:	Scates Park Improvements San Antonio, Texas	Addendum No:	02
Owner:	City of San Antonio P. O. Box 839966 San Antonio, Texas 78283-3966	Date of Issuance:	April 24, 2013
Architect:	RVK, Inc. 745 E. Mulberry, Suite 601 San Antonio, TX 78212	RVK Project No.:	11056K

This addendum is hereby made a part of the construction documents to the same extent as though it were originally included therein. This addendum shall take precedence over the original construction documents where its provisions apply.

QUESTIONS AND ANSWERS

1. How many bike racks are there? If you look at drawing L1.02 number 24 is the bike racks and the way it is drawn you can't tell how many there are. And it doesn't tell you in the specifications? *Response: There are two (2) bike racks.*

2. Is the pavilion foundation pad going to require the excavation to be 1 2'-0" depth as per drawing S1.1 or a 6.0' depth as per geotech report Section 1, Table 3? *Response: The preparation of the subgrade beneath the building pad shall be in accordance with the BUILDING PAD section of the Structural Notes Sheet S1.1, detail 1/S1.1 and the Supplemental Geotechnical Recommendations prepared by Arias and Associates dated April 23, 2013 (Revised). See attached.*

3. Will QA Testing be required on pavilion foundation concrete and pad site? *Response: Testing of subgrade and concrete foundation are required in accordance with the Construction Documents and the Geotechnical Report prepared by Arias and Associates dated January 13, 2013. Special Inspections are also required in accordance with Chapter 17 of the 2012 Edition of the International Building Code as adopted by the City of San Antonio. Special inspections apply to the concrete foundation and subgrade below and the pre-engineered metal building structure.*

4. In reference to the plans & specs the city wants to keep current playground-so is there any work the city is wanting done to current playground other than what is mentioned in the unit price list? *Response: The existing playground is to remain in place and protected from construction activities. The two rider pieces of equipment may be temporarily removed and then replaced later if it makes it easier to work in the area. Fibar mulch will be added to the playground area as needed to meet proposed finished grades.*

Continued on page 2

Attachments: 3 – 8-1/2" x 11"

Issued by:
Kimberley M. Wolf, ASLA
Principal

REGISTERED LANDSCAPE ARCHITECT
KIMBERLEY MARIE WOLF
6005
STATE OF TEXAS

4.24.13

5. Does the unit price list contain all the items for bid? *Response: The Unit Price Schedule shall be used as basis for Add/Deduct items pertaining to this contract. It does not contain a list of all the tasks necessary to complete the project.*

6. What is the timeframe to complete this project? *Response: The timeframe for this project is 120 calendar days.*

SPECIFICATIONS

SECTION 003100, GEOTECHNICAL DATA

2.1 Add "Supplemental Geotechnical Recommendations" from Arias & Associates, 3 pages, attached.

SECTION 12 93 10, SITE AND STREET FURNISHINGS

2.2 Part 2 Products, Par. 2.01 Manufacturers, Materials, E and F. Replace each of these tables with the following table:
Raised Top, End Accessible Picnic Table - Pilot Rock WXT Series, thermo-plastic coated, universal access, 8 ft. top, V-type expanded steel, as manufactured by R. J. Thomas Manufacturing Company, Inc., Box 946, Cherokee, Iowa 51012, 1-800-762-5002. Quantity: Two (2). Color to be determined. No substitutions to be considered.

End of Addendum No. 02

ARIAS & ASSOCIATES
Geotechnical • Environmental • Testing

April 23, 2013
Arias Job No. 2013-58 (Revised)

Mr. Mark Wittlinger
City of San Antonio, CIMS
Municipal Plaza Building
114 West Commerce
San Antonio, Texas 78205

RE: Supplemental Geotechnical Recommendations
Proposed Scates Park Renovations
434 North Meadow Lane
San Antonio, Texas

Dear Mr. Wittlinger:

Arias & Associates, Inc. (Arias) performed a geotechnical study for the planned renovations to Scates Park in San Antonio, Texas. Arias Report No. 2013-58, dated January 30, 2013, provided foundation recommendations for a slab-on-grade foundation constructed on an engineered-fill foundation pad. The site improvement recommendations and foundation pad thickness were selected to achieve a design PVR of about 1 inch. Since issuing our report, the Owner and project team requested that Arias review the site preparation recommendations to provide criteria for a higher design PVR. As requested, we have revised the foundation design parameters presented in our study to account for 2 feet of site improvements, which will result in a design PVR of about 2 inches.

Review

The intent of a stiffened beam and slab-on-grade foundation is to allow the structure and foundation to move up and down with soil movements while providing sufficient stiffness to limit differential movements within the superstructure to an acceptable magnitude. As described in our report, a 1-inch PVR is typically considered acceptable for grade-supported structures by local geotechnical and structural engineers practicing in South Texas. A *higher* design PVR may be acceptable if the Owner is willing to accept the *higher* risk for potential foundation movements and the associated aesthetic distress.

Updated Design Parameters

We have updated the foundation design parameters provided in our report to be representative of the proposed design conditions (2 foot thick foundation pad to achieve a 2-inch estimated heave value). Our recommended design criteria for the BRAB and WRI methods are included below.

Table 1. Updated BRAB and WRI Foundation Design Criteria

Design Method	BRAB	WRI
Design PVR	2"	2"
Climatic Rating (Cw) – San Antonio, Texas	17	17
Effective Plasticity Index	32	32
Support Index (C)	0.80	--
Soil/Climatic Rating Factor (1-C)	--	0.20
Unconfined Compressive Strength (tsf)	1.0	--

Note: The above design values assume that the building pad has been improved as outlined in this letter for a 2-inch design PVR.

A stiffened beam and slab type foundation may also be designed using the 3rd Edition of the Design of Post-Tensioned Slabs-on-Ground published by the Post-Tensioning Institute. These following design values were estimated using the "Volflo" computer program based on the soil conditions in the planned pavilion area.

Table 2: PTI Slab-on-Grade Soil Design Criteria (3rd Edition)

Design PVR	About 2-inches
Depth to Constant Soil Suction	15 ft
Constant Soil Suction	3.8 pF
Thornthwaite Moisture Index	-14
Edge Moisture Variation Distance Center Lift, e_m Edge Lift, e_m	 7.8 ft 4.0 ft
Differential Soil Movement Center Lift, y_m Edge Lift, y_m	 1.9 in 2.9 in
Coefficient of Slab-Subgrade Friction, μ	0.75

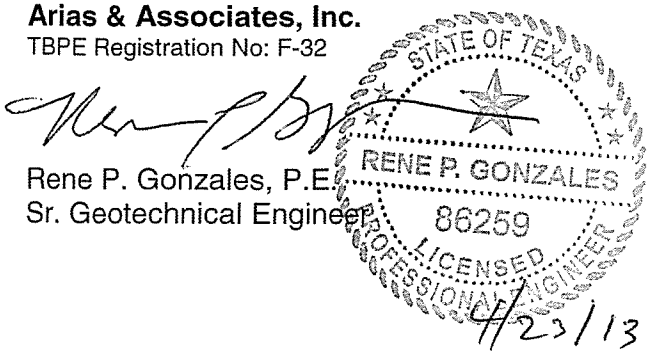
Note: The above design values assume that the building pad has been improved as outlined in this letter for a 2-inch design PVR.

Arias is providing design values for the BRAB, WRI, and PTI methods for the Structural Engineer's consideration and possible use. The final design methodology for the planned foundations should be selected by the project Structural Engineer based on his knowledge and experience with similar foundation conditions. We recommend that the final grade beam depths, spacings, and steel reinforcement be selected based on the results of the structural analysis. All other recommendations presented in our report are still applicable.

Closing

Thank you for the opportunity to be of service to you. If you have any additional questions or if we can be of further service, please let us know.

Sincerely,
Arias & Associates, Inc.
TBPE Registration No: F-32



Rene P. Gonzales, P.E.
Sr. Geotechnical Engineer