



11900 West Parmer Lane, Suite 200

Cedar Park, TX 78613

RFI

WCSOTC

8160 Chandler Road

Hutto, Texas 78634

ACI Job #: 899

To: **David Achterberg**
Brinkley Sargent Wiginton Architects

RFI #: 06

cc: **Robert Fry**
Datum Engineers

Date Submitted: 01/23/17

Response Requested By: 01/27/17

Subject: Pier Design

Drawing: 5/S3.1

Spec Section:

Schedule Impact: TBD

Request:

Detail 5S3.1 calls out for the Piers to be 35' Deep. During the detail coordination meeting it conveyed the depth is due to the Geotech report requiring the first 15' of the pier to be neglected in the design. It was discussed that this could possibly be altered to 10' due to the crawl space depth.

Please confirm if the pier design will change and if so provide revised details.

Dustin Wiegers

American Constructors

Response:

Per an email from John Wooley, the geotechnical engineer dated Jan. 24, 2017, the depth of soil excavated in the crawl space can be counted towards the 15' of neglected length in skin friction. Therefore the scheduled 35' length may be measured from the original grade. Elevation 691.5 may be used for the original grade for the purpose of establishing pier depth.

In addition, the pier reinforcing may be reduced by about 1/3, as shown in the attached pier schedule, based upon further direction from John Wooley. The resulting savings will accrue to the owner.

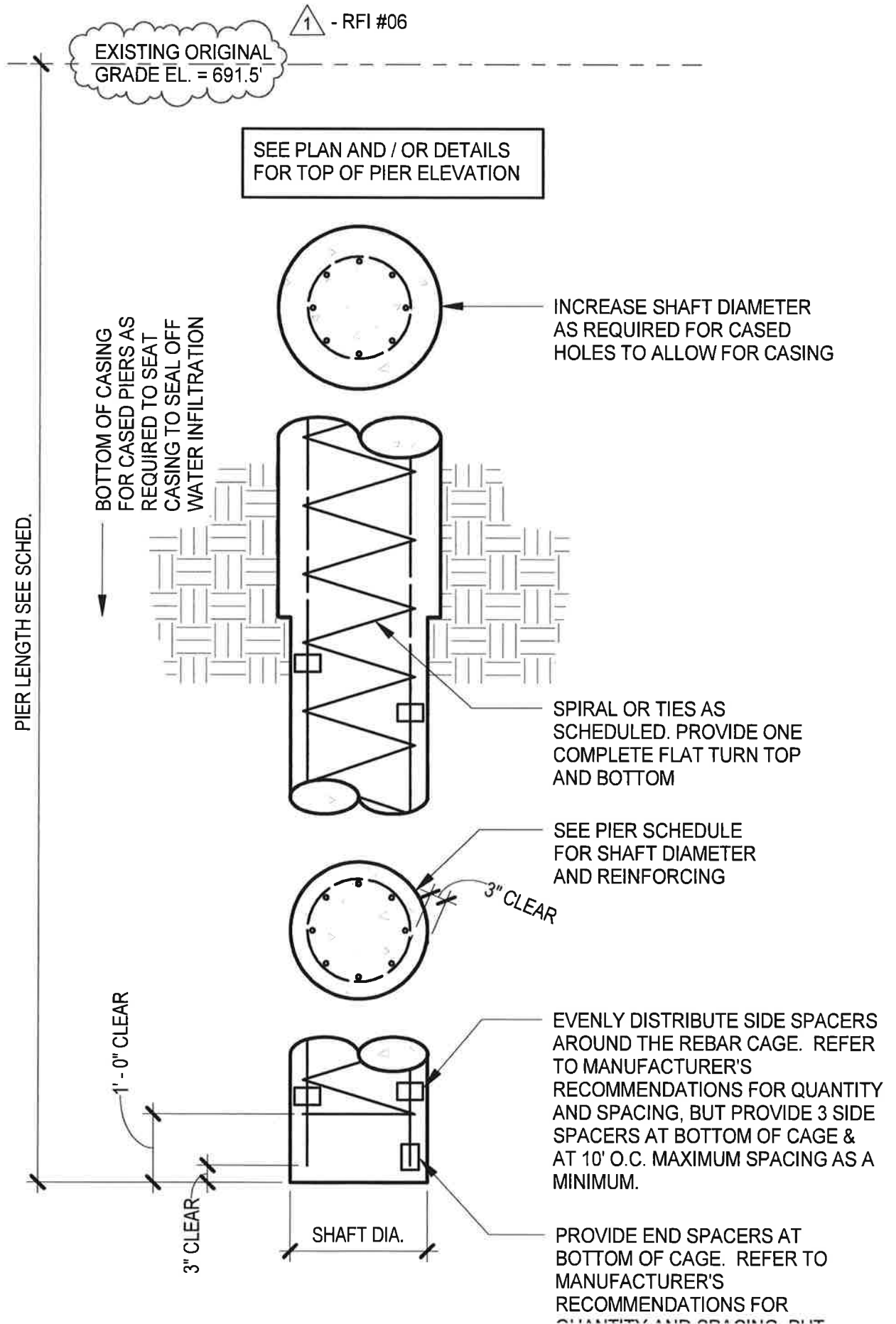
Refer to attached details 6&7/S3.1.

Robert Fry PE 1/31/17

Answered by

Company

Date



David Achterberg

From: Robert Fry <robertf@datumengineers.com>
Sent: Friday, January 27, 2017 5:50 PM
To: John Wooley
Cc: David Achterberg
Subject: RE: SOT

John, I'd think so as long as the Owner, who the report was addressed to got a copy.

Thanks

From: John Wooley [mailto:jwooley@balconesgeotech.com]
Sent: Friday, January 27, 2017 5:41 PM
To: 'Robert Fry' <robertf@datumengineers.com>
Subject: RE: SOT

Robert,

Would it be adequate if I just responded to the RFI also?

John A. Wooley, PE
Balcones Geotechnical, PLLC
TBPE Firm Reg. F-15624
5926 Balcones Drive
Suite 230
Austin, Texas 78731
(O) 512-380-9969
(M) 512-486-9654
jwooley@balconesgeotech.com

From: Robert Fry [mailto:robertf@datumengineers.com]
Sent: Friday, January 27, 2017 5:14 PM
To: John Wooley
Cc: David Achterberg; Rebecca Russo; luken@datumengineers.com; Nick K.
Subject: RE: SOT

John,
Thanks, this is helpful. Attached is the RFI. I'll answer it based upon your email.

Please provide a supplemental letter or other more formal documentation.

We'll plan to modify the pier steel to the 75D required, not less than 1%. The 1% will govern.

Thanks

From: John Wooley [mailto:jwooley@balconesgeotech.com]
Sent: Tuesday, January 24, 2017 6:01 PM
To: Robert Fry <robertf@datumengineers.com>

Cc: David Achterberg <dachterberg@bsw-architects.com>; 'Rebecca Russo' <rebecca.russo@balconesgeotech.com>
Subject: SOT

Robert,

Regarding your questions about neglect depths and uplift on drilled shafts:

1. You can count the depth of soil removed in the crawl space towards the 15 ft minimum neglect depth for skin friction.
2. The criteria of 75xD (kips) for calculating uplift may be used in lieu of the 1.5% stated.

I was unsure if a RFI was going to be issued on this topic and I didn't want to hold you up waiting for one, so I decided to go ahead and send this email.

Thanks,

John A. Wooley, PE
Balcones Geotechnical, PLLC
TBPE Firm Reg. F-15624
5926 Balcones Drive
Suite 230
Austin, Texas 78731
(O) 512-380-9969
(M) 512-486-9654
jwooley@balconesgeotech.com



construction inc.

19507 FM 150 West Driftwood, TX 78619

Office- (512) 858-9203 Fax (512) 858-5608

wendyt@cx2construction.com

Proposed Change Order

Project: Wilco

CX2 Change Order Request RFI#6R4

Description of Change Order: New Pier Design on RFI#6

Labor:

Equipment:

Materials:

Total

Grand total this CO

Architectural Plans : NA

Structural Plans : NA

Civil Plans : NA

Schedule Impact : NA

Approved by : _____

Title : _____

Subcontractor Breakdown:						
Man hours and Equipment		CX2 Construction, Inc				DATE:
Material						
Item:	Units	Rate	Subtotal	Plus Tax	Plus 15%	
N/A						
				Sub Total Labor		\$
Equipment:						
N/A						
				Sub Total Equipment		\$
Materials						
Depth Difference	1	-\$8,023.00	\$ (8,023.00)	\$ (8,023.00)	\$ (8,023.00)	\$
				Sub Total Material		\$
Total						\$

American Constructors

Project: WCSOTC

Documents					Field Data									
Pier #	Cased	Grid		Pier Dia. (")	Date Drilled	Pier Depth Measured from Top of Pad	Actual Bottom of Pier Elevation	Drilled Pier ACTUAL Length						
		H	V					24	30	36	42	48	54	60
1		B.1	1	30	2/24/17	35.25	64.75	-	35.25	-	-	-	-	-
2		A.2	5.A	24	2/24/17	34.00	66.00	34.00	-	-	-	-	-	-
3		A.C	4.7	24	2/24/17	31.33	68.67	31.33	-	-	-	-	-	-
4		B.1	5	24	2/24/17	33.17	66.83	33.17	-	-	-	-	-	-
5		B.1	4.7	24	2/24/17	31.42	68.58	31.42	-	-	-	-	-	-
6		A.1	4.4	24	2/24/17	33.33	66.67	33.33	-	-	-	-	-	-
7		B.6	5	24	2/24/17	33.00	67.00	33.00	-	-	-	-	-	-
8		A.1	3	24	2/24/17	32.67	67.33	32.67	-	-	-	-	-	-
9		A.1	2	24	2/24/17	33.25	66.75	33.25	-	-	-	-	-	-
10		A	5.A	42	2/24/17	34.58	65.42	-	-	-	34.58	-	-	-
11		A	4.4	54	2/25/17	34.00	66.00	-	-	-	-	-	34.00	-
12		A.1	4	24	2/25/17	33.00	67.00	33.00	-	-	-	-	-	-
13		F	5	36	2/25/17	33.58	66.42	-	-	33.58	-	-	-	-
14		E	5	36	2/25/17	33.42	66.58	-	-	33.42	-	-	-	-
15		D	5	36	2/25/17	33.67	66.33	-	-	33.67	-	-	-	-
16		C	5	30	2/25/17	33.58	66.42	-	33.58	-	-	-	-	-
17		G	5	30	2/25/17	33.50	66.50	-	33.50	-	-	-	-	-
18		C	1	30	2/27/17	33.50	66.50	-	33.50	-	-	-	-	-
19		A.1	1	24	2/27/17	33.17	66.83	33.17	-	-	-	-	-	-
20		B.6	1	24	2/27/17	32.25	67.75	32.25	-	-	-	-	-	-
21		B	1	36	2/27/17	32.50	67.50	-	-	32.50	-	-	-	-
22		D	1	36	2/27/17	32.50	67.50	-	-	32.50	-	-	-	-
23		F.2	1	48	2/27/17	32.00	68.00	-	-	-	-	32.00	-	-
24		F	4	48	2/27/17	32.33	67.67	-	-	-	-	32.33	-	-
25		E	4	48	2/27/17	31.17	68.83	-	-	-	-	31.17	-	-
26		A.8	4	48	2/27/17	31.00	69.00	-	-	-	-	31.00	-	-
27		B.6	4	42	2/27/17	31.33	68.67	-	-	-	31.33	-	-	-
28		C.5	4	30	2/27/17	31.00	69.00	-	31.00	-	-	-	-	-
29		C.5	3	30	2/28/17	30.33	69.67	-	30.33	-	-	-	-	-
30		A.2	3	42	2/28/17	31.67	68.33	-	-	-	31.67	-	-	-
31		A.2	2	42	2/28/17	32.50	67.50	-	-	-	32.50	-	-	-
32		E	3	42	2/28/17	31.33	68.67	-	-	-	31.33	-	-	-
33		D	3	42	2/28/17	30.50	69.50	-	-	-	30.50	-	-	-
34		C.8	4	24	2/28/17	30.17	69.83	30.17	-	-	-	-	-	-
35		D.3	4	36	2/28/17	32.00	68.00	-	-	32.00	-	-	-	-
36		C.5	2	36	2/28/17	30.67	69.33	-	-	30.67	-	-	-	-
37		B.6	2	48	2/28/17	31.00	69.00	-	-	-	-	31.00	-	-
38		D.3	2	48	2/28/17	30.58	69.42	-	-	-	-	30.58	-	-
39	yes	H	5	24	3/1/17	33.25	66.75	33.25	-	-	-	-	-	-
40	yes	H	4	24	3/1/17	33.33	66.67	33.33	-	-	-	-	-	-
41	yes	G	4	36	3/1/17	31.67	68.33	-	-	31.67	-	-	-	-
42	yes	G	1	30	3/1/17	34.17	65.83	-	34.17	-	-	-	-	-
43	yes	H	3	24	3/1/17	33.00	67.00	33.00	-	-	-	-	-	-
44	yes	H	2	24	3/1/17	33.17	66.83	33.17	-	-	-	-	-	-
45	yes	H	1	24	3/2/17	33.00	67.00	33.00	-	-	-	-	-	-
46	yes	G	2	42	3/2/17	31.50	68.50	-	-	-	31.50	-	-	-
47	yes	G	3	36	3/2/17	31.67	68.33	-	-	31.67	-	-	-	-

Pier #	Cased	Grid		Pier Dia. (")	Date Drilled	Pier Depth Measured from Top of Pad	Actual Bottom of Pier Elevation	Drilled Pier ACTUAL Length						
		H	V					24	30	36	42	48	54	60
48	yes	F	3	54	3/2/17	30.00	70.00	-	-	-	-	-	30.00	-
49		B.6	3	48	3/3/17	30.17	69.83	-	-	-	-	30.17	-	-
50		E	1	54	3/3/17	33.25	66.75	-	-	-	-	-	33.25	-
51		D.9	2	54	3/3/17	33.00	67.00	-	-	-	-	-	33.00	-
52	yes	F.2	1	48	3/3/17	32.33	67.67	-	-	-	-	32.33	-	-
53	yes	F	2	60	3/3/17	31.08	68.92	-	-	-	-	-	-	31.08

Actual depth =	556.51	231.33	291.68	223.41	250.58	130.25	31.08
Bid depth =	595.00	245.00	315.00	245.00	280.00	140.00	35.00
Difference =	-38.49	-13.67	-23.32	-21.59	-29.42	-9.75	-3.92

Drilled Pier Lengths

WCSOTC

Diameter	Quantity of Piers	Total Bid Pier Length (FT)	Total Actual Pier Length (FT)	Delta (FT)	ADD'L LENGTH \$/LF	LESS LENGTH \$/LF	Delta (\$)
18"	0	0	0.00	0	\$0.00	\$0.00	\$0.00
24"	17	595	556.51	-38.49	\$55.00	\$36.67	-\$1,411.43
30"	7	245	231.33	-13.67	\$70.00	\$46.67	-\$637.98
36"	9	315	291.68	-23.32	\$85.00	\$56.67	-\$1,321.54
42"	7	245	223.41	-21.59	\$96.00	\$64.00	-\$1,381.76
48	8	280	250.58	-29.42	\$108.00	\$72.00	-\$2,118.24
54	4	140	130.25	-9.75	\$125.00	\$83.33	-\$812.47
60	1	35	31.08	-3.92	\$130.00	\$86.67	-\$339.75
Net \$ Change							-\$8,023.17

CASING

Diameter	Quantity of Piers	Depth (FT)	Casing \$/LF	Delta (\$)
24"	5	165.75	\$42.00	\$6,961.50
30"	1	34.17	\$60.00	\$2,050.20
36"	2	63.34	\$78.00	\$4,940.52
42"	1	31.5	\$90.00	\$2,835.00
48	1	32.33	\$105.00	\$3,394.65
54	1	30	\$180.00	\$5,400.00
60	1	31.08	\$185.00	\$5,749.80
				\$31,331.67



Funds Tracking Log

Williamson County
Sheriff's Office Training
Center

PCO number	Time Extension Days	Cost of Work	CM Contingency	Owner Contingency	Allowance	General Conditions	Construction Phase Fee	GMP	Total updated contract amount
GMP	N/A	\$6,509,639.00	\$285,095.00	\$285,095.00	\$203,500.00	\$502,053.00	\$209,258.00	\$7,994,640.00	\$7,994,640.00
1	22	\$1,200.00	\$0.00	\$0.00	-\$1,200.00	\$0.00	\$0.00	\$0.00	\$0.00
2	16	\$106,356.00	-\$106,356.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	0	\$8,330.00	-\$8,330.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	0	\$225.00	\$0.00	\$0.00	-\$225.00	\$0.00	\$0.00	\$0.00	\$0.00
5	0	\$22,460.00	-\$22,460.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	0	\$8,807.11	\$0.00	\$0.00	-\$8,807.11	\$0.00	\$0.00	\$0.00	\$0.00
7	Will be submitted at a later date, Allowance Placeholder								
8	Will be submitted at a later date, Allowance Placeholder								
9	Will be submitted at a later date, Allowance Placeholder								
10	Will be submitted at a later date, Allowance Placeholder								
11	Will be submitted at a later date, Allowance Placeholder								
12	0	-\$10,441.00	\$10,441.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	0	-\$12,751.00	\$12,751.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	Will be submitted at a later date, Allowance Placeholder								
15	0	\$4,743.00	\$0.00	\$0.00	-\$4,743.00	\$0.00	\$0.00	\$0.00	\$0.00
16	0	\$31,331.65	-\$31,331.65	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	0	-\$1,856.86	\$1,856.86	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	0	-\$5,083.00	\$5,083.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	0	\$665.00	-\$665.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	0	-\$8,023.00	\$8,023.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	0	-\$6,139.00	\$6,139.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	0	-\$12,050.00	\$12,050.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
								\$0.00	\$0.00
								\$0.00	\$0.00
								\$0.00	\$0.00
								\$0.00	\$0.00
								\$0.00	\$0.00
								\$0.00	\$0.00
								\$0.00	\$0.00
Totals	38	\$6,637,412.90	\$172,296.21	\$285,095.00	\$188,524.89	\$502,053.00	\$209,258.00	\$7,994,640.00	\$7,994,640.00