

May 6, 2024

Hon. Everardo Villarreal
 Commissioner, Hidalgo County Precinct #3
 724 Breyfogle Rd
 Mission, TX 78574

RE: El Paraiso Project (C-22-0213-09-06)
Work Authorization No. 2 ~ El Paraiso Health Clinic
B2Z Job # 3101B
B2Z Invoice # 30045

Dear Mr. Villarreal,

Attached for your review and approval is our invoice for services under Work Authorization #2 for the month of April 2024 on the subject referenced project.

The following is attached:

- Invoice No. 30049

The following is a narrative of the progress of this period:

TASK		
Construction Material Testing		20%
<p>The B2Z Laboratory continues to perform select fill density tests for compaction. <i>Reports: EPHC-15S to EPHC-21S</i></p> <p>B2Z prepares test reports in the field and in our office daily/weekly. The test reports are emailed to clients from our in-house laboratory located in Mission, Texas</p>		

Should you have any questions regarding this submittal please do not hesitate to call me at (956) 585-3773.

Sincerely,

Oliver F. Salgado, P.E.
 Project Manager



P.O. Box 2724
McAllen, Tx. 78502
(956) 585-3773

Invoice

Date	Invoice #
5/6/2024	30049

Please send remittance with copy of invoice to:

Attn: Mrs. Aisha Gonzalez
P.O. Box 2724
McAllen, Tx. 78502

Bill To:
Hidalgo County Precinct #3
724 Breyfogle Rd.
Mission, TX 78574

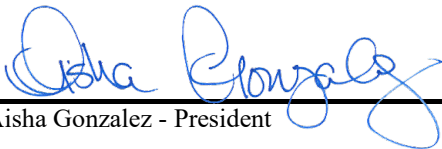
Project Info:
El Paraiso Project (C-22-0213-09-06)
WA#2 - El Paraiso Health Clinic
PO# 872577
B2Z JOB: # 3101B

Billing Period **April 2024**

Description	Contract	Previous Applications	Current Completed	Total Completed	% Complete
Construction Material Testing Services (CMT)	\$ 47,615.80	\$ 7,315.41	\$ 2,337.26	\$ 9,652.67	20%
Total For This Billing Period					\$2,337.26

Work Authorization ~ Summary

<u>WA No.</u>	<u>WA Amount</u>	<u>Previously Inv.</u>	<u>Percent Complete</u>	<u>Remaining Balance</u>
2	\$47,615.80	\$7,315.41	20%	\$45,278.54


Aisha Gonzalez - President

Approved
David Chacon, PE
05/07/2024

El Paraiso Clinic | ARPA-21-340-019
P.O. # 872577
Acct. # 4-1290-441-12-115-215-6-452



Soil Nuclear Gauge

B2Z Report No. EPHC-15S
Report Date: 03/26/2024
Test Method: ASTM D 6938

Mission Office
900 S Stewart Rd, Ste. 2
Mission, TX 78572
Phone: 956-585-3773

Client:
Hidalgo County
100 North Closser
Edinburg, TX 78539

Project:
3101B
El Paraiso- Health Clinic "A"
1901 N. Los Ebanos Rd.
Alton, TX 78573

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Remark
9		03/22/24	Select Fill		CL/CH	14.2	106.7	14.3	108.0	123.4	6	101.2	95	DP/MP
10		03/22/24	Select Fill		CL/CH	14.2	106.7	14.2	108.4	123.8	6	101.6	95	DP/MP
11		03/22/24	Select Fill		CL/CH	14.2	106.7	15.5	106.7	123.2	6	100.0	95	DP/MP
12		03/22/24	Select Fill		CL/CH	14.2	106.7	13.9	108.0	123.0	6	101.2	95	DP/MP

Test Information					
Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
9	Building Pad/Slab: "A" Sta. 10' N 15' W S.E Corner 2nd Lift			Instrotek / 3500 Xplorer / 4507 / 01/30/2024	Luis Villarreal, Jr.
10	Building Pad/Slab: "A" Sta. 10' N 15' E S.W Corner 2nd Lift			Instrotek / 3500 Xplorer / 4507 / 01/30/2024	Luis Villarreal, Jr.
11	Building Pad/Slab: "A" Sta. 10' S 10' E N.W Corner 2nd Lift			Instrotek / 3500 Xplorer / 4507 / 01/30/2024	Luis Villarreal, Jr.
12	Building Pad/Slab: "A" Sta. 10' S 10' W S.E Corner 2nd Lift			Instrotek / 3500 Xplorer / 4507 / 01/30/2024	Luis Villarreal, Jr.

Remarks	Comments
DP/MP: Density Pass / Moisture Pass	Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.

Respectfully Submitted by B2Z Engineering

Jorge Solis, Laboratory Manager



Soil Nuclear Gauge

B2Z Report No. EPHC-16S

Report Date: 03/26/2024

Test Method: ASTM D 6938

Mission Office
900 S Stewart Rd, Ste. 2
Mission, TX 78572
Phone: 956-585-3773

Client:
Hidalgo County
100 North Closser
Edinburg, TX 78539

Project:
3101B
El Paraiso- Health Clinic "A"
1901 N. Los Ebanos Rd.
Alton, TX 78573

Test Results

Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Remark
13		03/23/24	Select Fill		CL/CH	14.2	106.7	13.9	108.1	123.1	6	101.3	95	DP/MP
14		03/23/24	Select Fill		CL/CH	14.2	106.7	14.1	108.6	123.9	6	101.8	95	DP/MP
15		03/23/24	Select Fill		CL/CH	14.2	106.7	13.3	108.7	123.2	6	101.9	95	DP/MP
16		03/23/24	Select Fill		CL/CH	14.2	106.7	13.3	108.9	123.4	6	102.1	95	DP/MP

Test Information

Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
13	Building Pad/Slab: "A" Sta. 20' S 20' W from N.E Corner 3rd Lift			Instrotek / 3500 Xplorer / 4600 / 01/30/2024	Manuel De Santiago
14	Building Pad/Slab: "A" Sta. 20' S 20' E from N.W Corner 3rd Lift			Instrotek / 3500 Xplorer / 4600 / 01/30/2024	Manuel De Santiago
15	Building Pad/Slab: "A" Sta. 15' N 15' E from S.W Corner 3rd Lift			Instrotek / 3500 Xplorer / 4600 / 01/30/2024	Manuel De Santiago
16	Building Pad/Slab: "A" Sta. 15' N 15' W from S.E Corner 3rd Lift			Instrotek / 3500 Xplorer / 4600 / 01/30/2024	Manuel De Santiago

Remarks	Comments
DP/MP: Density Pass / Moisture Pass	Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency. 13: Contractor Eduardo Perez, Present.

Respectfully Submitted by B2Z Engineering

Jorge Solis, Laboratory Manager

Test Results

Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Remark
17		03/23/24	Select Fill		CL/CH	14.2	106.7	16.1	109.5	127.1	6	102.6	95	DP/MP
18		03/23/24	Select Fill		CL/CH	14.2	106.7	16.4	108.5	126.3	6	101.7	95	DP/MP
19		03/23/24	Select Fill		CL/CH	14.2	106.7	16.8	109.1	127.4	6	102.2	95	DP/MP
20		03/23/24	Select Fill		CL/CH	14.2	106.7	14.7	109.7	125.8	6	102.8	95	DP/MP

Test Information

Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
17	Building Pad/Slab: "A" Sta. 15' S 5' E from N.W Corner 4th Lift			Instrotek / 3500 Xplorer / 4600 / 01/30/2024	Manuel De Santiago
18	Building Pad/Slab: "A" Sta. 15' N 10' E from S.W Corner 4th Lift			Instrotek / 3500 Xplorer / 4600 / 01/30/2024	Manuel De Santiago
19	Building Pad/Slab: "A" Sta. 15' N 20' W from S.E Corner 4th Lift			Instrotek / 3500 Xplorer / 4600 / 01/30/2024	Manuel De Santiago
20	Building Pad/Slab: "A" Sta. 20' S 15' W from N.E Corner 4th Lift			Instrotek / 3500 Xplorer / 4600 / 01/30/2024	Manuel De Santiago

Remarks	Comments
DP/MP: Density Pass / Moisture Pass	Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency. 17: Contractor Eduardo Perez, Present.

Respectfully Submitted by B2Z Engineering



Jorge Solis, Laboratory Manager



Soil Nuclear Gauge

B2Z Report No. EPHC-18S

Report Date: 03/28/2024

Test Method: ASTM D 6938

Mission Office

900 S Stewart Rd, Ste. 2

Mission, TX 78572

Phone: 956-585-3773

Client:

Hidalgo County

100 North Clossner

Edinburg, TX 78539

Project:

3101B

El Paraiso- Health Clinic "A"

1901 N. Los Ebanos Rd.

Alton, TX 78573

Test Results

Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Remark
21		03/25/24	Select Fill		CL/CH	14.2	106.7	14.1	108.4	123.7	6	101.6	95	DP/MP
22		03/25/24	Select Fill		CL/CH	14.2	106.7	14.3	106.4	121.6	6	99.7	95	DP/MP
23		03/25/24	Select Fill		CL/CH	14.2	106.7	16.1	108.1	125.5	6	101.3	95	DP/MP
24		03/25/24	Select Fill		CL/CH	14.2	106.7	14.3	109.3	124.9	6	102.4	95	DP/MP

Test Information

Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
21	Building Pad/Slab: "A" Sta. 20'S 10'E from N.W Corner 5th Lift			Instrotek / 3500 Xplorer / 4016 / 01/30/2024	Jose Solis Jr
22	Building Pad/Slab: "A" Sta. 20'S 10'E from S.W Corner 5th Lift			Instrotek / 3500 Xplorer / 4016 / 01/30/2024	Jose Solis Jr
23	Building Pad/Slab: "A" Sta. 25'S 20'W from N.E Corner 5th Lift			Instrotek / 3500 Xplorer / 4016 / 01/30/2024	Jose Solis Jr
24	Building Pad/Slab: "A" Sta. 25'S 20'W from N.W Corner 5th Lift			Instrotek / 3500 Xplorer / 4016 / 01/30/2024	Jose Solis Jr

Remarks

Comments

DP/MP: Density Pass / Moisture Pass

Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.

Respectfully Submitted by B2Z Engineering

Jorge Solis, Laboratory Manager

Test Results

Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Remark
25		04/11/24	Select Fill		CL/CH	14.2	106.7	13.7	108.7	123.6	6	101.9	95	DP/MP
26		04/11/24	Select Fill		CL/CH	14.2	106.7	13.4	108.0	122.5	6	101.2	95	DP/MP
27		04/11/24	Select Fill		CL/CH	14.2	106.7	14.2	106.7	121.9	6	100.0	95	DP/MP

Test Information

Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
25	Utility Trench Backfill: 4" Sewer Line Sta. Line C 1st Lift			Instrotek / 3500 Xplorer / 5018 / 01/30/2024	Jacob Chavez
26	Utility Trench Backfill: 4" Sewer Line Sta. Line B 1st Lift			Instrotek / 3500 Xplorer / 5018 / 01/30/2024	Jacob Chavez
27	Utility Trench Backfill: 4" Sewer Line Sta. Line A 1st Lift			Instrotek / 3500 Xplorer / 5018 / 01/30/2024	Jacob Chavez

Remarks	Comments
DP/MP: Density Pass / Moisture Pass	Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency. 25: Contractor Eduardo Perez, Present.

Respectfully Submitted by B2Z Engineering



Jorge Solis, Laboratory Manager

Test Results

Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Remark
28		04/12/24	Select Fill		CL/CH	14.2	106.7	14.0	108.9	124.2	6	102.1	95	DP/MP
29		04/12/24	Select Fill		CL/CH	14.2	106.7	12.2	107.4	120.5	6	100.7	95	DP/MP
30		04/12/24	Select Fill		CL/CH	14.2	106.7	13.4	110.6	125.4	6	103.7	95	DP/MP

Test Information

Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
28	Utility Trench Backfill: 4" SS Line C Sta. 30'W 5'N from SE Corner 2nd Lift			Instrotek / 3500 Xplorer / 3727 / 01/29/2024	Jorge Solis
29	Utility Trench Backfill: 4" SS Line B Sta. 35'N 35'W from SE 2nd Lift			Instrotek / 3500 Xplorer / 3727 / 01/29/2024	Jorge Solis
30	Utility Trench Backfill: 4" SS Line A Sta. 6'S 35'W from NE Corner 2nd Lift			Instrotek / 3500 Xplorer / 3727 / 01/29/2024	Jorge Solis

Remarks	Comments
DP/MP: Density Pass / Moisture Pass	Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency. 28: Contractor Eduardo Perez, Present.

Respectfully Submitted by B2Z Engineering



Jorge Solis, Laboratory Manager

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Remark
31		04/12/24	Select Fill		CL/CH	14.2	106.7	14.7	105.7	121.2	6	99.1	95	DP/MP
32		04/12/24	Select Fill		CL/CH	14.2	106.7	12.6	103.2	116.2	6	96.7	95	DP/MP
33		04/12/24	Select Fill		CL/CH	14.2	106.7	12.4	106.9	120.1	6	100.2	95	DP/MP

Test Information					
Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
31	Utility Trench Backfill: 4" SS Line A Sta. 6'S 35'W from NE Corner 3rd Lift			Instrotek / 3500 Xplorer / 3727 / 01/29/2024	Jorge Solis
32	Utility Trench Backfill: 4" SS Line B Sta. 35'N 36'W from SE 3rd Lift			Instrotek / 3500 Xplorer / 3727 / 01/29/2024	Jorge Solis
33	Utility Trench Backfill: 4" SS Line C Sta. 30'W 5'N from SE Corner 3rd Lift			Instrotek / 3500 Xplorer / 3727 / 01/29/2024	Jorge Solis

Remarks	Comments
DP/MP: Density Pass / Moisture Pass	Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency. 31: Contractor Eduardo Perez, Present.

Respectfully Submitted by B2Z Engineering



Jorge Solis, Laboratory Manager