

February 6, 2025

Hon. David Fuentes
Commissioner, Hidalgo County Pct. #1
1902 Joe Stephens
Weslaco, TX 78577

**RE: C-24-0211-07-09 (ARPA-24-121-358)
WA# 2 ~ Wellness, Activity and Community Center (WACC) – CMT**

Dear Commissioner Fuentes:

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

The following is attached:

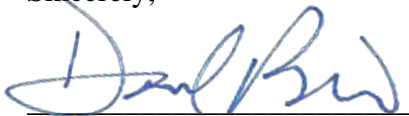
- Invoice No. 10108

The following is a narrative of the progress for this period.

Direct Expenses (CMT)	20%
B2Z conducted the following tests in December 2024: <ul style="list-style-type: none">• WACC-1S through WACC-4S• WACC-1CX• WACC-1D through WACC-19D	

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

Sincerely,



David Rivera
Senior Project Manager
B2Z Engineering, LLC



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

Invoice

Date	Invoice #
2/6/2025	10108

Please send remittance with copy of invoice to:

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

Bill To:
Hidalgo County Precinct #1
1902 Joe Stephens
Weslaco, TX 78577

Project Info:
Contract #C-24-0211-07-09 WA#2
Wellness Activity Community Center
(WACC) - CMT

B2Z JOB: 1106

Billing Period **December 2024**

Description	Contract	Previous Applications	Current Completed	Total Completed	% Complete
Consturction Materials Testing (CMT)	\$ 64,999.45	\$ -	\$ 12,999.89	\$ 12,999.89	20%
Total For This Billing Period					12,999.89

Work Authorization ~ Summary

<u>WA No.</u>	<u>WA Amount</u>	<u>Previously Inv.</u>	<u>Percent Complete</u>	<u>Remaining Balance</u>
2	\$64,999.45	\$0.00	20.0%	\$51,999.56


Aisha Gonzalez - President

5-1301-441-67-121-358-1-730
Project Number (ARPA-24-121-358)
PO 894671: \$12,999.89



Soil Nuclear Gauge

B2Z Report No. WACC-6D
Report Date: 12/02/2024
Test Method: ASTM D 6938

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

Client:
 Hidalgo County Precinct No. 1
 1902 Joe Stephens Ave #101
 Weslaco, TX 78596

Project:
 1105
 Wellness, Activity & Community Center
 various
 Weslaco, TX

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		11/27/24	Backfill		CL/CH	13.0	114.7	13.5	110.3	125.2	6	96.2	95	DP/MP
14		11/27/24	Backfill		CL/CH	13.0	114.7	14.8	110.3	126.6	6	96.2	95	DP/MP
15		11/27/24	Backfill		CL/CH	13.0	114.7	13.7	112.5	127.9	6	98.1	95	DP/MP

Test Information

Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
13	Building Pad/Slab: 200' N, 40' W from SE corner 1st lift			Instrotek / 3500 Xplorer / 4507 / 01/30/2024	Armando Rodriguez Jr
14	Building Pad/Slab: 200' N, 85' W from SE corner 2nd lift			Instrotek / 3500 Xplorer / 4507 / 01/30/2024	Armando Rodriguez Jr
15	Building Pad/Slab: 125' N, 85' W from SE corner 2nd lift			Instrotek / 3500 Xplorer / 4507 / 01/30/2024	Armando Rodriguez 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. 13: Inspector Manuel Ornelas was present.

Respectfully Submitted by B2Z Engineering


 Jorge Solis, Laboratory Manager



Soil Nuclear Gauge

B2Z Report No. WACC-5D

Report Date: 12/02/2024

Test Method: ASTM D 6938

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

Client:

Hidalgo County Precinct No. 1
1902 Joe Stephens Ave #101
Weslaco, TX 78596

Project:

1105
Wellness, Activity & Community Center
various
Weslaco, TX

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
11		11/26/24	Backfill		CL/CH	13.0	114.7	16.0	114.9	133.3	8	100.2	95	DP/MP
12		11/26/24	Backfill		CL/CH	13.0	114.7	16.0	114.7	133.1	8	100.0	95	DP/MP

Test Information

Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
11	Building Pad/Slab: 60' N, 30' W from SE corner 1st lift			Instrotek / 3500 Xplorer / 4507 / 01/30/2024	Armando Rodriguez Jr
12	Building Pad/Slab: 125' N, 30' W from SE corner 1st lift			Instrotek / 3500 Xplorer / 4507 / 01/30/2024	Armando Rodriguez 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. 11: Inspector Manuel Ornelas was present.

Respectfully Submitted by B2Z Engineering


 Jorge Solis, Laboratory Manager

Client:

Hidalgo County Precinct No. 1
 1902 Joe Stephens Ave #101
 Weslaco, TX 78596

Project:

1105
 Wellness, Activity & Community Center
 various
 Weslaco, TX

General Information

Sample Date: 12/06/2024	Sample Number: 7572
Sample From: Windrow	Material Type: Select Fill
Technician: Manuel De Santiago	Location Details: NE of building Stockpile at jobsite

Atterberg Limits

Liquid Limit (%)	Plastic Limit (%)	Plastic Index	Specification Requirements	Pass/Fail
37	17	20	≤ 20	Pass

Test Completed Date: 12/06/2024	Test Completed By: Jorge Solis
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Test Results: The above test result meets the technical specifications.

Test Method (As Applicable):
 Tex 104-E, Tex 105-E, Tex 106-E / ASTM D4318

Respectfully Submitted by B2Z Engineering



Jorge Solis, Laboratory Manager



Soil Nuclear Gauge

B2Z Report No. WACC-4D
Report Date: 12/02/2024
Test Method: ASTM D 6938

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

Client:
Hidalgo County Precinct No. 1
1902 Joe Stephens Ave #101
Weslaco, TX 78596

Project:
1105
Wellness, Activity & Community Center
various
Weslaco, TX

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
8		11/26/24	Backfill		CL/CH	13.0	114.7	13.1	112.9	127.7	8	98.4	95	DP/MP
9		11/26/24	Backfill		CL/CH	13.0	114.7	15.6	110.1	127.3	8	96.0	95	DP/MP
10		11/26/24	Backfill		CL/CH	13.0	114.7	14.4	113.4	129.7	8	98.9	95	DP/MP

Test Information

Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
8	Building Pad/Slab: 200' N, 85' W from SE corner 1st lift			Instrotek / 3500 Xplorer / 4507 / 01/30/2024	Armando Rodriguez Jr
9	Building Pad/Slab: 125' N, 85' W from SE corner 1st lift			Instrotek / 3500 Xplorer / 4507 / 01/30/2024	Armando Rodriguez Jr
10	Building Pad/Slab: 60' N, 85' W from SE corner 1st lift			Instrotek / 3500 Xplorer / 4507 / 01/30/2024	Armando Rodriguez 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. 8: Inspector Manuel Ornelas was present.

Respectfully Submitted by B2Z Engineering


 Jorge Solis, Laboratory Manager

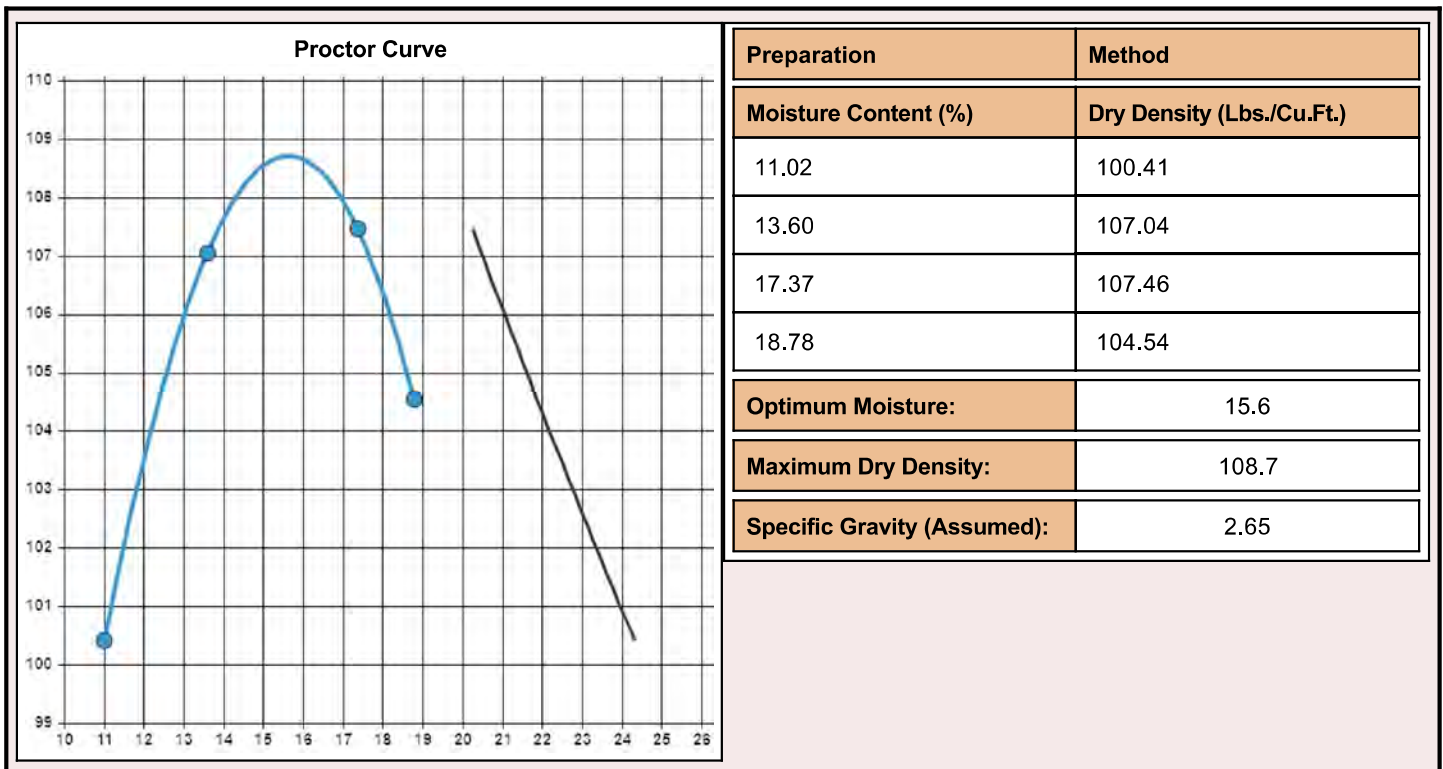
Client:
 Hidalgo County Precinct No. 1
 1902 Joe Stephens Ave #101
 Weslaco, TX 78596

Project:
 1105
 Wellness, Activity & Community Center
 various
 Weslaco, TX

General Information

Sample Date:	12/06/2024	MF Sample Number:	7572
Sample From:	Windrow	Material Type:	Select Fill
Sampled By:	Manuel De Santiago	Location Details:	NE of building Stockpile at jobsite

Test Results



Test Completed Date:	12/12/2024	Test Completed By:	Jorge Solis
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Test Results: The test is for informational purposes.

Test Method (As Applicable): Tex 114-E / ASTM D-698 Method-A, Method-B or Method-C ;
 Tex 104-E, Tex 105-E, Tex 106-E / ASTM D4318 ;
 Tex 110-E / ASTM C-136

Respectfully Submitted by B2Z Engineering

Jorge Solis

Jorge Solis, Laboratory Manager



Soil Nuclear Gauge

B2Z Report No. WACC-3D

Report Date: 12/02/2024

Test Method: ASTM D 6938

Mission Office

900 S Stewart Rd, Ste. 2

Mission, TX 78572

Phone: 956-585-3773

Client:

Hidalgo County Precinct No. 1

1902 Joe Stephens Ave #101

Weslaco, TX 78596

Project:

1105

Wellness, Activity & Community Center

various

Weslaco, TX

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
7	3	11/26/24	Subgrade		CL/CH	14.5	111.9	16.0	114.6	132.9	8	102.4	95	DP/MP

Test Information

Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
7	Building Pad/Slab: 200' N, 40' W from SE corner Final lift			Instrotek / 3500 Xplorer / 4507 / 01/30/2024	Armando Rodriguez 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.

7: Inspector Manuel Ornelas was present.

Respectfully Submitted by B2Z Engineering

Jorge Solis, Laboratory Manager

Client:

Hidalgo County Precinct No. 1
 1902 Joe Stephens Ave #101
 Weslaco, TX 78596

Project:

1105
 Wellness, Activity & Community Center
 various
 Weslaco, TX

General Information

Sample Date: 11/13/2024	Sample Number: 7358
Sample From: Stockpile	Material Type: Backfill
Technician: Manuel De Santiago	Location Details: East Side Stockpile At Jobsite for building Pad

Atterberg Limits

Liquid Limit (%)	Plastic Limit (%)	Plastic Index	Specification Requirements	Pass/Fail
22	12	10	Not Required	Not Required

Test Completed Date: 11/18/2024	Test Completed By: Jorge Solis
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Test Results: The test is for informational purposes.
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Test Method (As Applicable):
 Tex 104-E, Tex 105-E, Tex 106-E / ASTM D4318

Respectfully Submitted by B2Z Engineering



Jorge Solis, Laboratory Manager

Client:
 Hidalgo County Precinct No. 1
 1902 Joe Stephens Ave #101
 Weslaco, TX 78596

Project:
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 Weslaco, TX

General Information

Sample Date:	11/13/2024	MF Sample Number:	7358
Sample From:	Stockpile	Material Type:	Backfill
Sampled By:	Manuel De Santiago	Location Details:	East Side Stockpile At Jobsite for building Pad

Test Results

<p>Proctor Curve</p>	Preparation	Method
	Dry	Mechanical - Circular Face Rammer
	Moisture Content (%)	Dry Density (Lbs./Cu.Ft.)
	9.81	110.87
	13.00	114.70
	17.86	106.89
	19.28	101.82
	Optimum Moisture:	13.0
	Maximum Dry Density:	114.7
	Specific Gravity (Assumed):	2.65

Test Completed Date:	11/18/2024	Test Completed By:	Jorge Solis
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Test Results: The test is for informational purposes.

Test Method (As Applicable): Tex 114-E / ASTM D-698 Method-A, Method-B or Method-C ;
 Tex 104-E, Tex 105-E, Tex 106-E / ASTM D4318 ;
 Tex 110-E / ASTM C-136

Respectfully Submitted by B2Z Engineering

Jorge Solis

 Jorge Solis, Laboratory Manager



Soil Nuclear Gauge

B2Z Report No. WACC-2D
Report Date: 11/26/2024
Test Method: ASTM D 6938

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

Client:
Hidalgo County Precinct No. 1
1902 Joe Stephens Ave #101
Weslaco, TX 78596

Project:
1105
Wellness, Activity & Community Center
various
Weslaco, TX

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
4		11/25/24	Subgrade		CL/CH	14.5	111.9	14.7	106.9	122.6	8	95.5	95	DP/MP
5		11/25/24	Subgrade		CL/CH	14.5	111.9	15.1	107.2	123.4	8	95.8	95	DP/MP
6		11/25/24	Subgrade		CL/CH	14.5	111.9	14.8	112.0	128.6	8	100.1	95	DP/MP

Test Information

Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
4	Building Pad/Slab: 200' N, 40' E from SW corner Final lift			Instrotek / 3500 Xplorer / 5676 / 08/14/2024	Manuel De Santiago
5	Building Pad/Slab: 100' N, 40' E from SW corner Final lift			Instrotek / 3500 Xplorer / 5676 / 08/14/2024	Manuel De Santiago
6	Building Pad/Slab: 50' N, 40' E from SW corner Final lift			Instrotek / 3500 Xplorer / 5676 / 08/14/2024	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. 4: Inspector Manuel Ornelas was present.

Respectfully Submitted by B2Z Engineering


 Jorge Solis, Laboratory Manager

Client:

Hidalgo County Precinct No. 1
 1902 Joe Stephens Ave #101
 Weslaco, TX 78596

Project:

1105
 Wellness, Activity & Community Center
 various
 Weslaco, TX

General Information

Sample Date:	11/13/2024	Sample Number:	7355
Sample From:	Subgrade	Material Type:	Subgrade
Technician:	Manuel De Santiago	Location Details:	20'N25'E from SW corner of Building Pad

Atterberg Limits

Liquid Limit (%)	Plastic Limit (%)	Plastic Index	Specification Requirements	Pass/Fail
29	16	13	Not Required	Not Required

Test Completed Date:	11/18/2024	Test Completed By:	Jorge Solis
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Test Results: The test is for informational purposes.

Test Method (As Applicable):
 Tex 104-E, Tex 105-E, Tex 106-E / ASTM D4318

Respectfully Submitted by B2Z Engineering


 Jorge Solis, Laboratory Manager

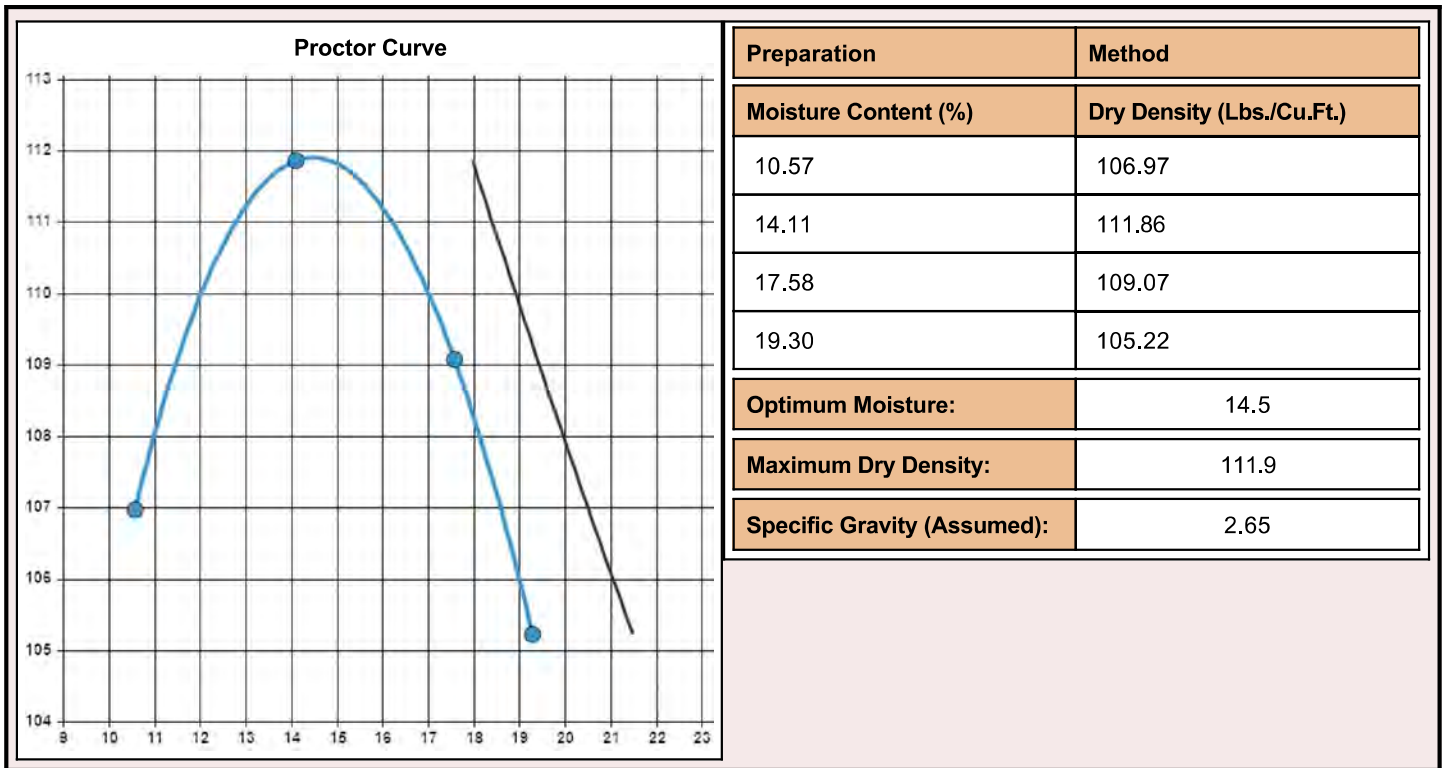
Client:
 Hidalgo County Precinct No. 1
 1902 Joe Stephens Ave #101
 Weslaco, TX 78596

Project:
 1105
 Wellness, Activity & Community Center
 various
 Weslaco, TX

General Information

Sample Date:	11/13/2024	MF Sample Number:	7355
Sample From:	Subgrade	Material Type:	Subgrade
Sampled By:	Manuel De Santiago	Location Details:	20'N25'E from SW corner of Building Pad

Test Results



Test Completed Date:	11/18/2024	Test Completed By:	Jorge Solis
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Test Results: The test is for informational purposes.

Test Method (As Applicable): Tex 114-E / ASTM D-698 Method-A, Method-B or Method-C ;
 Tex 104-E, Tex 105-E, Tex 106-E / ASTM D4318 ;
 Tex 110-E / ASTM C-136

Respectfully Submitted by B2Z Engineering

Jorge Solis
 Jorge Solis, Laboratory Manager



Soil Nuclear Gauge

B2Z Report No. WACC-1D
Report Date: 11/26/2024
Test Method: ASTM D 6938

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

Client:
Hidalgo County Precinct No. 1
1902 Joe Stephens Ave #101
Weslaco, TX 78596

Project:
1105
Wellness, Activity & Community Center
various
Weslaco, TX

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
1		11/25/24	Subgrade		CL/CH	14.5	111.9	15.7	109.9	127.2	8	98.2	95	DP/MP
2		11/25/24	Subgrade		CL/CH	14.5	111.9	14.6	111.3	127.5	8	99.5	95	DP/MP
3		11/25/24	Subgrade		CL/CH	14.5	111.9	12.3	117.3	131.7	8	104.8	95	DP/MF

Test Information

Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
1	Building Pad/Slab: 50' N, 40' W from SE corner Final lift			Instrotek / 3500 Xplorer / 5676 / 08/14/2024	Manuel De Santiago
2	Building Pad/Slab: 100' N, 40' W from SE corner Final lift			Instrotek / 3500 Xplorer / 5676 / 08/14/2024	Manuel De Santiago
3	Building Pad/Slab: 200' N, 40' W from SE corner Final lift			Instrotek / 3500 Xplorer / 5676 / 08/14/2024	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. 1: Inspector Manuel Ornelas was present.
DP/MF: Density Pass / Moisture Fail	

Respectfully Submitted by B2Z Engineering

Jorge Solis, Laboratory Manager

Client:Hidalgo County Precinct No. 1
1902 Joe Stephens Ave #101
Weslaco, TX 78596**Project:**1105
Wellness, Activity & Community Center
various
Weslaco, TX**General Information**

Activity Number: 1	Activity Date: 11/22/2024
Technician: Manuel De Santiago	

Notes

Technician was schedule to test densities on 11/22/2024 at 9:00 AM, contractor was not ready, Trip and time will be charge.

Respectfully Submitted by B2Z Engineering



Jorge Solis, Laboratory Manager



Soil Nuclear Gauge

B2Z Report No. WACC-19D
Report Date: 12/16/2024
Test Method: ASTM D 6938

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

Client:
Hidalgo County Precinct No. 1
1902 Joe Stephens Ave #101
Weslaco, TX 78596

Project:
1105
Wellness, Activity & Community Center
various
Weslaco, TX

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
41		12/13/24	Backfill		CL/CH	13.0	114.7	14.6	114.0	130.6	6	99.4	95	DP/MP
42		12/13/24	Backfill		CL/CH	13.0	114.7	15.4	112.0	129.2	6	97.6	95	DP/MP
43		12/13/24	Backfill		CL/CH	13.0	114.7	13.7	111.5	126.8	6	97.2	95	DP/MP
44		12/13/24	Backfill		CL/CH	13.0	114.7	13.4	115.1	130.5	6	100.3	95	DP/MP

Test Information

Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
41	Building Pad/Slab: 30' W 30' N from SE corner 6th Lift			Instrotek / 3500 Xplorer / 5676 / 08/14/2024	Manuel De Santiago
42	Building Pad/Slab: 60' W 80' N from SE corner 6th Lift			Instrotek / 3500 Xplorer / 5676 / 08/14/2024	Manuel De Santiago
43	Building Pad/Slab: 70' W 150' N from SE corner 6th Lift			Instrotek / 3500 Xplorer / 5676 / 08/14/2024	Manuel De Santiago
44	Building Pad/Slab: 90' W 220' N from SE corner 6th Lift			Instrotek / 3500 Xplorer / 5676 / 08/14/2024	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. 41: Inspector Manuel Ornelas was present.

Respectfully Submitted by B2Z Engineering


Jorge Solis, Laboratory Manager

Client:

Hidalgo County Precinct No. 1
1902 Joe Stephens Ave #101
Weslaco, TX 78596

Project:

1105
Wellness, Activity & Community Center
various
Weslaco, TX

General Information

Activity Number: 2	Activity Date: 12/12/2024
Technician: Alvaro Robles Jr.	

Notes

Technician was schedule to test densities on 12/12/2024 at 11:00 AM, contractor was not ready, Trip and time will be charge.
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Respectfully Submitted by B2Z Engineering



Jorge Solis, Laboratory Manager



Soil Nuclear Gauge

B2Z Report No. WACC-17D

Report Date: 12/16/2024

Test Method: ASTM D 6938

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

Client:

Hidalgo County Precinct No. 1
1902 Joe Stephens Ave #101
Weslaco, TX 78596

Project:

1105
Wellness, Activity & Community Center
various
Weslaco, TX

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
39		12/11/24	Backfill		CL/CH	13.0	114.7	12.2	113.2	127.0	6	98.7	95	DP/MF
40		12/11/24	Backfill		CL/CH	13.0	114.7	15.8	104.5	121.0	6	91.1	95	DF/MP

Test Information

Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
39	Building Pad/Slab: 80' E 30' N from SW corner 6th lift			Instrotek / 3500 Xplorer / 5676 / 08/14/2024	Manuel De Santiago
40	Building Pad/Slab: 50' E 100' N from SW corner 6th lift			Instrotek / 3500 Xplorer / 5676 / 08/14/2024	Manuel De Santiago

Remarks	Comments
DP/MF: Density Pass / Moisture Fail	Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency. 39: Inspector Manuel Ornelas was present.
DF/MP: Density Fail / Moisture Pass	

Respectfully Submitted by B2Z Engineering


Jorge Solis, Laboratory Manager



Soil Nuclear Gauge

B2Z Report No. WACC-16D

Report Date: 12/16/2024

Test Method: ASTM D 6938

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

Client:

Hidalgo County Precinct No. 1
1902 Joe Stephens Ave #101
Weslaco, TX 78596

Project:

1105
Wellness, Activity & Community Center
various
Weslaco, TX

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
38	37	12/10/24	Backfill		CL/CH	13.0	114.7	14.5	109.1	124.9	6	95.1	95	DP/MP

Test Information

Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
38	Building Pad/Slab: 90' E 225' N from SW corner 5th lift			Instrotek / 3500 Xplorer / 3727 / 01/29/2024	Alvaro Robles 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. WACC-15D
Report Date: 12/12/2024
Test Method: ASTM D 6938

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

Client:
Hidalgo County Precinct No. 1
1902 Joe Stephens Ave #101
Weslaco, TX 78596

Project:
1105
Wellness, Activity & Community Center
various
Weslaco, TX

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
34		12/09/24	Backfill		CL/CH	13.0	114.7	14.0	109.2	124.5	6	95.2	95	DP/MP
35		12/09/24	Backfill		CL/CH	13.0	114.7	15.2	109.9	126.6	6	95.8	95	DP/MP
36		12/09/24	Backfill		CL/CH	13.0	114.7	16.0	109.3	126.8	6	95.3	95	DP/MP
37		12/09/24	Backfill		CL/CH	13.0	114.7	15.4	103.8	119.8	6	90.5	95	DF/MP

Test Information

Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
34	Building Pad/Slab: 30' E 30' N from SW corner 5th lift			Instrotek / 3500 Xplorer / 5676 / 08/14/2024	Manuel De Santiago
35	Building Pad/Slab: 50' E 100' N from SW corner 5th lift			Instrotek / 3500 Xplorer / 5676 / 08/14/2024	Manuel De Santiago
36	Building Pad/Slab: 75' E 150' N from SW corner 5th lift			Instrotek / 3500 Xplorer / 5676 / 08/14/2024	Manuel De Santiago
37	Building Pad/Slab: 90' E 225' N from SW corner 5th lift			Instrotek / 3500 Xplorer / 5676 / 08/14/2024	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.
DF/MP: Density Fail / Moisture Pass	34: Inspector Manny Ornelas was present.

Respectfully Submitted by B2Z Engineering


Jorge Solis, Laboratory Manager



Soil Nuclear Gauge

B2Z Report No. WACC-14D
Report Date: 12/10/2024
Test Method: ASTM D 6938

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

Client:
Hidalgo County Precinct No. 1
1902 Joe Stephens Ave #101
Weslaco, TX 78596

Project:
1105
Wellness, Activity & Community Center
various
Weslaco, TX

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
30		12/06/24	Backfill		CL/CH	13.0	114.7	12.4	111.7	125.5	6	97.4	95	DP/MP
31		12/06/24	Backfill		CL/CH	13.0	114.7	10.6	116.8	129.2	6	101.8	95	DP/MP
32		12/06/24	Backfill		CL/CH	13.0	114.7	11.3	110.5	123.0	6	96.3	95	DP/MP
33		12/06/24	Backfill		CL/CH	13.0	114.7	14.2	115.3	131.7	6	100.5	95	DP/MP

Test Information

Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
30	Building Pad/Slab: 40' W 50' E from SE corner 4th lift			Instrotek / 3500 Xplorer / 5676 / 08/14/2024	Manuel De Santiago
31	Building Pad/Slab: 60' W 100' E from SE corner 4th lift			Instrotek / 3500 Xplorer / 5676 / 08/14/2024	Manuel De Santiago
32	Building Pad/Slab: 80' W 150' N from SE corner 4th lift			Instrotek / 3500 Xplorer / 5676 / 08/14/2024	Manuel De Santiago
33	Building Pad/Slab: 90' W 200' N from SE corner 4th lift			Instrotek / 3500 Xplorer / 5676 / 08/14/2024	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. 30: Inspector Manuel Ornelas was present.

Respectfully Submitted by B2Z Engineering


Jorge Solis, Laboratory Manager



Soil Nuclear Gauge

B2Z Report No. WACC-13D
Report Date: 12/09/2024
Test Method: ASTM D 6938

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

Client:
Hidalgo County Precinct No. 1
1902 Joe Stephens Ave #101
Weslaco, TX 78596

Project:
1105
Wellness, Activity & Community Center
various
Weslaco, TX

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
29		12/05/24	Backfill		CL/CH	13.0	114.7	15.6	102.9	118.9	6	89.7	95	DF/MP

Test Information

Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
29	Building Pad/Slab: 100' W 30' N Of SE Bldg. corner 4rd lift			Instrotek / 3500 Xplorer / 5018 / 01/30/2024	Jacob Chavez

Remarks

Comments

DF/MP: Density Fail / Moisture Pass

Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.
29: Inspector Manuel Ornelas was present.

Respectfully Submitted by B2Z Engineering


Jorge Solis, Laboratory Manager



Soil Nuclear Gauge

B2Z Report No. WACC-12D
Report Date: 12/09/2024
Test Method: ASTM D 6938

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

Client:
Hidalgo County Precinct No. 1
1902 Joe Stephens Ave #101
Weslaco, TX 78596

Project:
1105
Wellness, Activity & Community Center
various
Weslaco, TX

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	23	12/05/24	Backfill		CL/CH	13.0	114.7	19.7	99.1	118.6	6	86.4	95	DF/MF

Test Information

Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
28	Building Pad/Slab: 220' N 25' E Edge of pad 3rd lift			Instrotek / 3500 Xplorer / 5018 / 01/30/2024	Jacob Chavez

Remarks

Comments

DF/MF: Density Fail / Moisture Fail

Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.
28: Inspector Manuel Ornelas was present.
New retest Loc. 20' W, 20' N Of SE Bldg. Corner
4th Lift

Respectfully Submitted by B2Z Engineering


Jorge Solis, Laboratory Manager



Soil Nuclear Gauge

B2Z Report No. WACC-11D

Report Date: 12/05/2024

Test Method: ASTM D 6938

Mission Office

900 S Stewart Rd, Ste. 2

Mission, TX 78572

Phone: 956-585-3773

Client:

Hidalgo County Precinct No. 1

1902 Joe Stephens Ave #101

Weslaco, TX 78596

Project:

1105

Wellness, Activity & Community Center

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Weslaco, TX

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
26		12/04/24	Backfill		CL/CH	13.0	114.7	10.5	110.9	122.5	6	96.7	95	DP/MF
27		12/04/24	Backfill		CL/CH	13.0	114.7	11.7	110.1	123.0	6	96.0	95	DP/MF

Test Information

Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
26	Building Pad/Slab: 40' W 80' S from NE Corner 4rd lift			Instrotek / 3500 Xplorer / 5676 / 08/14/2024	Manuel De Santiago
27	Building Pad/Slab: 40' W 40' S from NE Corner 4rd lift			Instrotek / 3500 Xplorer / 5676 / 08/14/2024	Manuel De Santiago

Remarks	Comments
DP/MF: Density Pass / Moisture Fail	Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency. 26: Inspector Manuel Ornelas was not present.

Respectfully Submitted by B2Z Engineering

Jorge Solis, Laboratory Manager



Soil Nuclear Gauge

B2Z Report No. WACC-10D
Report Date: 12/05/2024
Test Method: ASTM D 6938

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

Client:
Hidalgo County Precinct No. 1
1902 Joe Stephens Ave #101
Weslaco, TX 78596

Project:
1105
Wellness, Activity & Community Center
various
Weslaco, TX

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
23		12/03/24	Backfill		CL/CH	13.0	114.7	16.5	110.3	128.5	6	96.2	95	DP/MF
24		12/03/24	Backfill		CL/CH	13.0	114.7	14.9	111.3	127.9	6	97.0	95	DP/MP
25		12/03/24	Backfill		CL/CH	13.0	114.7	15.8	112.0	129.7	6	97.6	95	DP/MP

Test Information

Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
23	Building Pad/Slab: 220' N 25' E Edge of pad 3rd lift			Instrotek / 3500 Xplorer / 5674 / 08/13/2024	Ruben Singleterry
24	Building Pad/Slab: 175' N 25' E Edge of pad 3rd lift			Instrotek / 3500 Xplorer / 5674 / 08/13/2024	Ruben Singleterry
25	Building Pad/Slab: 60' N 25' E Edge of pad 3rd lift			Instrotek / 3500 Xplorer / 5674 / 08/13/2024	Ruben Singleterry

Remarks	Comments
DP/MF: Density Pass / Moisture Fail	Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency. 23: Inspector Manuel Ornelas was present, and approved Moisture.
DP/MP: Density Pass / Moisture Pass	

Respectfully Submitted by B2Z Engineering

Jorge Solis, Laboratory Manager



Soil Nuclear Gauge

B2Z Report No. WACC-9D

Report Date: 12/05/2024

Test Method: ASTM D 6938

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

Client:

Hidalgo County Precinct No. 1
1902 Joe Stephens Ave #101
Weslaco, TX 78596

Project:

1105
Wellness, Activity & Community Center
various
Weslaco, TX

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
20		12/03/24	Backfill		CL/CH	13.0	114.7	13.1	112.4	127.1	6	98.0	95	DP/MP
21		12/03/24	Backfill		CL/CH	13.0	114.7	13.5	115.4	131.0	6	100.6	95	DP/MP
22		12/03/24	Backfill		CL/CH	13.0	114.7	14.1	112.7	128.6	6	98.3	95	DP/MP

Test Information

Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
20	Building Pad/Slab: 25' W 60' N Edge, SE Corner 3rd lift			Instrotek / 3500 Xplorer / 5674 / 08/13/2024	Ruben Singleterry
21	Building Pad/Slab: 175' N 25' W Edge of pad 3rd lift			Instrotek / 3500 Xplorer / 5674 / 08/13/2024	Ruben Singleterry
22	Building Pad/Slab: 220' N 25' W Edge of pad 3rd lift			Instrotek / 3500 Xplorer / 5674 / 08/13/2024	Ruben Singleterry

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. 20: Inspector Manuel Ornelas was present.

Respectfully Submitted by B2Z Engineering

Jorge Solis, Laboratory Manager



Soil Nuclear Gauge

B2Z Report No. WACC-8D

Report Date: 12/04/2024

Test Method: ASTM D 6938

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

Client:

Hidalgo County Precinct No. 1
1902 Joe Stephens Ave #101
Weslaco, TX 78596

Project:

1105
Wellness, Activity & Community Center
various
Weslaco, TX

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
19		12/02/24	Backfill		CL/CH	13.0	114.7	13.1	114.1	129.0	6	99.5	95	DP/MP

Test Information

Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
19	Building Pad/Slab: 80' S 40' W From NE Corner 2nd lift			Instrotek / 3500 Xplorer / 5676 / 08/14/2024	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.
19: Inspector Manuel Ornelas was present.

Respectfully Submitted by B2Z Engineering

Jorge Solis, Laboratory Manager



Soil Nuclear Gauge

B2Z Report No. WACC-7D

Report Date: 12/02/2024

Test Method: ASTM D 6938

Mission Office

900 S Stewart Rd, Ste. 2

Mission, TX 78572

Phone: 956-585-3773

Client:

Hidalgo County Precinct No. 1

1902 Joe Stephens Ave #101

Weslaco, TX 78596

Project:

1105

Wellness, Activity & Community Center

various

Weslaco, TX

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
16		11/27/24	Backfill		CL/CH	13.0	114.7	14.5	109.5	125.4	6	95.5	95	DP/MP
17		11/27/24	Backfill		CL/CH	13.0	114.7	13.6	109.0	123.8	6	95.0	95	DP/MP
18		11/27/24	Backfill		CL/CH	13.0	114.7	14.8	109.7	125.9	6	95.6	95	DP/MP

Test Information

Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
16	Building Pad/Slab: 60' N, 85' W from SE corner 2nd lift			Instrotek / 3500 Xplorer / 4507 / 01/30/2024	Armando Rodriguez Jr
17	Building Pad/Slab: 60' N, 30' W from SE corner 2nd lift			Instrotek / 3500 Xplorer / 4507 / 01/30/2024	Armando Rodriguez Jr
18	Building Pad/Slab: 125' N, 30' W from SE corner 2nd lift			Instrotek / 3500 Xplorer / 4507 / 01/30/2024	Armando Rodriguez 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. 16: Inspector Manuel Ornelas was present.

Respectfully Submitted by B2Z Engineering

Jorge Solis, Laboratory Manager