

# Photograph Log

Fort Bliss  
Limits of Waste Investigation  
30056989



**Photograph: CP-11-2**

**Description:** Cinder block wall measuring up to 2.5 feet. Possible paint can be lead-based paint.

**Location:** Fort Bliss Landfill

**Photograph taken by:**



**Date:** 5/27/2021

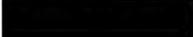


**Photograph: CP-11-3**

**Description:** Some asphalt mixed within the concrete pile along with rebar and/or steel wires.

**Location:** Fort Bliss Landfill

**Photograph taken by:**



**Date:** 5/27/2021



# Photograph Log

Fort Bliss  
Limits of Waste Investigation  
30056989



**Photograph: CP-11-4**

**Description:** Top view of concrete pile. Visible are some street curb concrete pieces.

**Location:** Fort Bliss Landfill

**Photograph taken by:**



**Date:** 5/27/2021



**Photograph: CP-11-5**

**Description:** Some visible rebar steel wire within the concrete pile.

**Location:** Fort Bliss Landfill

**Photograph taken by:**



**Date:** 5/27/2021



# Photograph Log

Fort Bliss  
Limits of Waste Investigation  
30056989



**Photograph: CP-11-6**

**Description:** Large pieces of concrete some measuring up to 5 feet in length visible in the concrete pile along with steel pipes and steel rebar wire.

**Location:** Fort Bliss Landfill

**Photograph taken by:**



**Date:** 5/27/2021



**Photograph: CP-11-7**

**Description:** Possible lead-based paint chipping from a cinder block wall near pile of broken up concrete.

**Location:** Fort Bliss Landfill

**Photograph taken by:**



**Date:** 5/27/2021



# Photograph Log

Fort Bliss  
Limits of Waste Investigation  
30056989



**Photograph: CP-12-1**

**Description:** Large concrete structure found on north side of landfill. Vertical height of about 6 feet.

**Location:** Fort Bliss Landfill

**Photograph taken by:**



**Date:** 5/27/2021



**Photograph: CP-12-2**

**Description:** Concrete Structure approximately 20 feet away from another concrete structure that measures about 6 feet tall.

**Location:** Fort Bliss Landfill

**Photograph taken by:**



**Date:** 5/27/2021



# Photograph Log

Fort Bliss  
Limits of Waste Investigation  
30056989



**Photograph: CP-13-1**

**Description:** Large concrete structure similar as CP-12-1 but measuring a width of about 4 feet.

**Location:** Fort Bliss Landfill

**Photograph taken by:**

**Date:** 5/27/2021

**Photograph: CP-13-2**

**Description:** Concrete structure measuring about 6 feet tall.

**Location:** Fort Bliss Landfill

**Photograph taken by:**

**Date:** 5/27/2021

5/27/2021



# Photograph Log

Fort Bliss  
Limits of Waste Investigation  
30056989



**Photograph: CP-13-3**

**Description:** Looking northeast at side of concrete structure.

**Location:** Fort Bliss Landfill

**Photograph taken by:**



**Date:** 5/27/2021

5/27/2021



**Photograph: CP-14-1**

**Description:** Visible small pieces of concrete thrown across the northeastern portion of the landfill.

**Location:** Fort Bliss Landfill

**Photograph taken by:**



**Date:** 5/27/2021



# Photograph Log

Fort Bliss  
Limits of Waste Investigation  
30056989



**Photograph: CP-14-2**  
**Description:** More visible pieces of concrete measuring up to 3 feet thrown across the northeastern portion of the landfill.

**Location:** Fort Bliss Landfill

**Photograph taken by:**  
[Redacted]

**Date:** 5/27/2021



**Photograph: CP-15-1**  
**Description:** Massive concrete structure, possible a foundation for a column at one point.

**Location:** Fort Bliss Landfill

**Photograph taken by:**  
[Redacted]

**Date:** 5/27/2021

5/27/2021



# Photograph Log

Fort Bliss  
Limits of Waste Investigation  
30056989



**Photograph: CP-15-2**

**Description:** The center piece of the massive structure is about 3 feet in diameter.

**Location:** Fort Bliss Landfill

**Photograph taken by:**  
[Redacted]

**Date:** 5/27/2021



**Photograph: CP-15-3**

**Description:** Same concrete structure as previous photo with measuring up to 8 feet wide.

**Location:** Fort Bliss Landfill

**Photograph taken by:**  
[Redacted]

**Date:** 5/27/2021



# Photograph Log

Fort Bliss  
Limits of Waste Investigation  
30056989



**Photograph: CP-16-1**

**Description:** Concrete structure with steel wire measuring about 2.5 feet tall.

**Location:** Fort Bliss Landfill

**Photograph taken by:**

**Date:** 5/27/2021

5/27/2021



**Photograph: CP-16-2**

**Description:** Same concrete structure as previous photo with measuring up to 8 feet wide.

**Location:** Fort Bliss Landfill

**Photograph taken by:**

**Date:** 5/27/2021

5/27/2021



*This page intentionally left blank.*



## **Appendix C – Laboratory Report**

---



*This page intentionally left blank*

**PROJECT ASTM SOIL CLASSIFICATION REPORT  
SOIL SIEVE ANALYSIS, HYDROMETER ANALYSIS  
ATTERBERG LIMITS, SOIL CLASSIFICATION  
TEST RESULTS**

**CQC PROJECT NO:** ATCQC21-001-22 (Misc.)  
**PROJECT NAME:** Laboratory Testing Services  
Fort Bliss Geotech Samples Project  
[Redacted]  
**Certified Project Manager**

**REPORT DATE:** 06/28/21  
**CLIENT:** [Redacted]

**PCN No.:** 21-2633-1  
**SAMPLE NO.:** 1

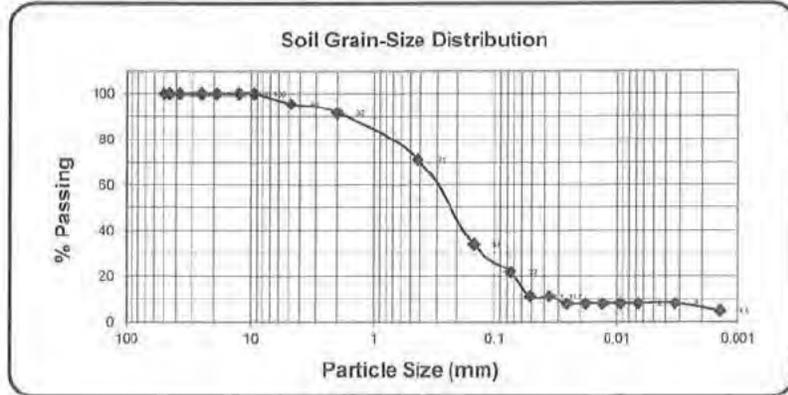
**SAMPLE INFORMATION:**

**DELIVERED DATE:** 6/15/2021      **SAMPLED BY:** Client      **ARRIVAL TIME:** NA  
**SOIL SAMPLE LOCATION:** Provided Soil Material (1-Gal. Bag) - IT20-10, approx. 0'-1/2' below existing grade elevation (Per Client).      **DEPARTURE TIME:** NA  
**SPECIFIED USE:** --      **STAND-BY TIME:** --  
**SOIL / DESCRIPTION:** Provided Soil Material (1-Gal. Bag) - Project Sample No. 1 (IT20-10) / Fine to Medium Grained, Light Brown, Silty Sand with traces of fine gravel.

**SAMPLE TEST RESULTS:**

**Sieve Analysis Test:** ASTM C 136, D 6913

Sieve Size/No.	Percent Retained	Percent Passing	Fill Material Specification % Passing
3"	0	100	*
1 1/2"	0	100	*
1"	0	100	*
3/4"	0	100	*
1/2"	0	100	*
3/8"	0	100	*
#4	4	96	*
#10	8	92	*
#40	29	71	*
#100	66	34	*
#200	78.2	21.8	*



D10= 0.03  
D30= 0.13  
D60= 0.34  
Cc= 1.35  
Cu= 9.97

Test Method: ASTM D 2487 - Soil Class: SM

**Particle Size Distribution (Hydrometer Analysis):** ASTM D7928

D (mm)	Mass Finer (%)
0.051	11.2
0.0361	11.2
0.0258	8.0
0.0182	8.0
0.0133	8.0
0.0094	8.0
0.0067	8.0
0.0033	8.0
0.0014	4.8

Estimated (%)	
Gravel	4.4
Sand	73.7
Fines	21.8
Silt	13.8
Clay	8.0

**Atterberg Limits Test:** ASTM D 4318

Limit Test	Index Test Result	Fill Material Specification
LL	NV	*
PL	NV	*
PI	NPT	*

Comment:  
NPT - Nonplastic by Test / NS - Not Specified / NV - No Value / NA - Non Applicable

**Reference Specifications:**  
[\*] Specification not provided by Client.

**Remarks:** \*Specification not provided by Client.

**FILE COPY**

**REPORT DISTRIBUTION**

1.) [Redacted]

Supervised and Reviewed By:

[Redacted Signature]

	DAY	S	M	T	W	T	F	S
WEATHER	Sunny		Clear		Overcast		Rain	Snow
TEMP (°F)	Below 40		40 - 50		50 - 70		70 - 90	Above 90
WIND	Still		Moderate		High		Relates to PCN No.:	
HUMIDITY	Low		Moderate		High		21-2633-1	

Date: 6/15/2021

Contractor: \_\_\_\_\_

Project Name: (ATCRL21-001-22)

CQC Technician: CLIENT

- 1.) Existing Subgrade Soil   2) Existing Backfill   3) Import Fill   4) Aggregate Base Course   5) Gravel  
 6) HMAC   7.) Concrete Cores   (8) Other: GRADATION AND HYDROMETER / PLASTICITY INDEX

Material Sampled (Proctor, HMAC, etc...)	Quantity	Visual Description of Material or Type
B	7 - 1 GALLON	GRAB SAMPLES
Remarks (Sample Location, etc....): IT20-10, IT20-20, IT20-30, IT20-40, IT20-50 TT20-10, TT 20-20		
Material / Ground Temp. (°F):		
Material Sampled (Proctor, HMAC, etc...)	Quantity	Visual Description of Material or Type
Remarks (Sample Location, etc....):		
Material / Ground Temp. (°F):		

Comments: \_\_\_\_\_

FILE COPY

Arrived at Site: 3:00 PM

Total Tech Time: \_\_\_\_\_

Stand by Time: \_\_\_\_\_

Departed from Site: \_\_\_\_\_

Acknowledgement of Field Tests and Report, please print and date:

\_\_\_\_\_  
 (PRINT NAME)

06/15/21  
 (DATE)

Per authorized scope of work testing services performed on a "Call-Out" basis. Full time testing services may be requested by Client if authorized as an additional service. This field report contains information related to the referenced project and should be considered preliminary. Test results or data are subject to review prior to inclusion in our projects reports. Engineering evaluations or opinions regarding suitability of subject work or materials should not be constituted from this information. Requested testing services are performed under the supervision of \_\_\_\_\_ Any questions should be directed to \_\_\_\_\_ for clarification. This standard triplicate form and format should be considered a proprietary product of \_\_\_\_\_

- 1) Client - White   2) File - Yellow   3) General Contractor - Pink

**PROJECT ASTM SOIL CLASSIFICATION REPORT  
SOIL SIEVE ANALYSIS, HYDROMETER ANALYSIS  
ATTERBERG LIMITS, SOIL CLASSIFICATION  
TEST RESULTS**

CQC PROJECT NO: ATCQC21-001-22 (Misc.)  
PROJECT NAME: Laboratory Testing Services  
Fort Bliss Geotech Samples Project  
Certified Project Manager

REPORT DATE: 06/28/21  
CLIENT:

**SAMPLE INFORMATION:**

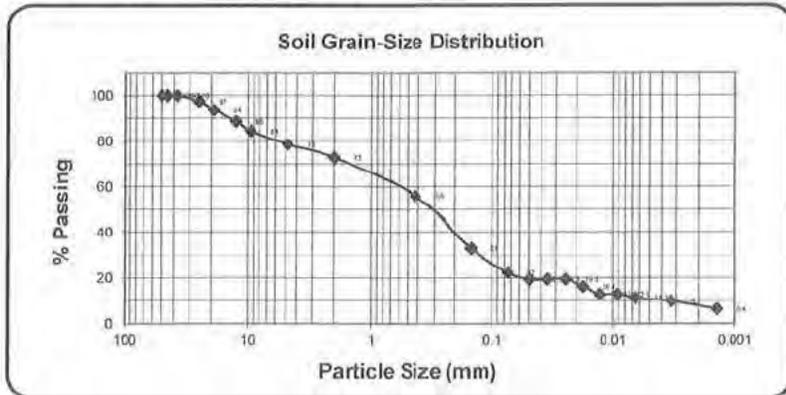
DELIVERED DATE: 6/15/2021      SAMPLED BY: Client      ARRIVAL TIME: NA  
SOIL SAMPLE LOCATION: Provided Soil Material (1-Gal. Bag) - IT20-20, approx. 0'-1/2' below existing grade elevation (Per Client).      DEPARTURE TIME: NA  
SPECIFIED USE: --      STAND-BY TIME: --  
SOIL / DESCRIPTION: Provided Soil Material (1-Gal. Bag) - Project Sample No. 2 (IT20-20) / Fine to Coarse Grained, Brown, Clayey Sand with fine gravel.

PCN No.: 21-2633-2  
SAMPLE NO.: 2

**SAMPLE TEST RESULTS:**

Sieve Analysis Test: ASTM C 136, D 6913

Sieve Size/No.	Percent Retained	Percent Passing	Fill Material Specification % Passing
3"	0	100	*
1 1/2"	0	100	*
1"	3	97	*
3/4"	6	94	*
1/2"	11	89	*
3/8"	16	84	*
#4	21	79	*
#10	27	73	*
#40	44	56	*
#100	67	33	*
#200	77.7	22.3	*



D10= 0.03  
D30= 0.13  
D60= 0.80  
Cc= 0.62  
Cu= 23.90

Test Method: ASTM D 2487 - Soil Class: SC

Particle Size Distribution (Hydrometer Analysis): ASTM D7928

D (mm)	Mass Finer (%)
0.0495	19.3
0.035	19.3
0.0248	19.3
0.0177	16.1
0.013	12.9
0.0092	12.9
0.0066	11.3
0.0033	9.7
0.0014	6.4

Estimated (%)	
Gravel	21.5
Sand	56.2
Fines	22.3
Silt	11.0
Clay	9.7

Atterberg Limits Test: ASTM D 4318

Limit Test	Index Test Result	Fill Material Specification
LL	22	*
PL	12	*
PI	10	*

Comment:  
NPT- Nonplastic by Test / NS - Not Specified / NV - No Value / NA - Non Applicable

Reference Specifications:  
[!] Specification not provided by Client.

Remarks: \*Specification not provided by Client.

**REPORT DISTRIBUTION**

1.) Certified Project Manager

Supervised and Reviewed By:

**FILE COPY**

	DAY	S	M	<u>T</u>	W	T	F	S
WEATHER	<u>Sunny</u>		Clear		Overcast		Rain	Snow
TEMP (°F)	Below 40		40 - 50		<u>50 - 70</u>		70 - 90	Above 90
WIND	<u>Still</u>		Moderate		High		Relates to PCN No.:	
HUMIDITY	<u>Low</u>		Moderate		High		<u>21-2633-2</u>	

Date: 6/15/2021 Contractor: \_\_\_\_\_  
 Project Name: (ATCRL21-001-22) CQC Technician: CLIENT

- 1.) Existing Subgrade Soil    2) Existing Backfill    3) Import Fill    4) Aggregate Base Course    5) Gravel  
 6) HMAC    7.) Concrete Cores    (8) Other: GRADATION AND HYDROMETER / PLASTICITY INDEX.

Material Sampled (Proctor, HMAC, etc...)	Quantity	Visual Description of Material or Type
<u>B</u>	<u>7 - 1 GALLON</u>	<u>GRAB SAMPLES</u>
Remarks (Sample Location, etc....): <u>IT20-10, IT20-20, IT20-30, IT20-40, IT20-50</u> <u>TT20-10, TT20-20</u>		
Material / Ground Temp. (°F):		
Material Sampled (Proctor, HMAC, etc...)	Quantity	Visual Description of Material or Type
Remarks (Sample Location, etc....):		
Material / Ground Temp. (°F):		

FILE COPY

Comments: \_\_\_\_\_

Arrived at Site: 3:00 PM Total Tech Time: \_\_\_\_\_ Stand by Time: \_\_\_\_\_

Departed from Site: \_\_\_\_\_

Acknowledgement of Field Tests and Report, please print and date:  
 \_\_\_\_\_ (PRINT NAME)  
06/15/21 (DATE)

Per authorized scope of work testing services performed on a "Call-Out" basis. Full time testing services may be requested by Client if authorized as an additional service. This field report contains information related to the referenced project and should be considered preliminary. Test results or data are subject to review prior to inclusion in our projects reports. Engineering evaluations or opinions regarding suitability of subject work or materials should not be constituted from this information. Requested testing services are performed under the supervision of \_\_\_\_\_ Any questions should be directed to \_\_\_\_\_ for clarification. This standard triplicate form and format should be considered a proprietary product of \_\_\_\_\_

- 1) Client - White    2) File - Yellow    3) General Contractor - Pink

**PROJECT ASTM SOIL CLASSIFICATION REPORT  
SOIL SIEVE ANALYSIS, HYDROMETER ANALYSIS  
ATTERBERG LIMITS, SOIL CLASSIFICATION  
TEST RESULTS**

CQC PROJECT NO: ATCQC21-001-22 (Misc.)  
PROJECT NAME: Laboratory Testing Services  
Fort Bliss Geotech Samples Project  
Certified Project Manager

REPORT DATE: 06/28/21  
CLIENT:

PCN No.: 21-2633-3  
SAMPLE NO.: 3

**SAMPLE INFORMATION:**

DELIVERED DATE: 6/15/2021      SAMPLED BY: Client  
SOIL SAMPLE LOCATION: Provided Soil Material (1-Gal. Bag) - IT20-30, approx. 0'-1/2' below existing grade elevation (Per Client).

ARRIVAL TIME: NA  
DEPARTURE TIME: NA  
STAND-BY TIME: -

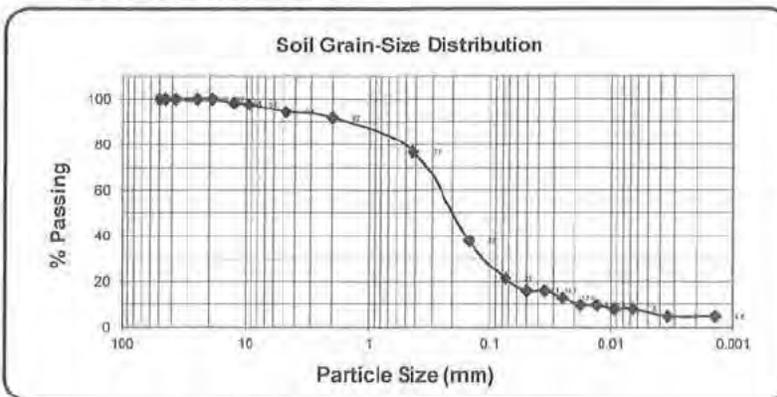
SPECIFIED USE: -

SOIL / DESCRIPTION: Provided Soil Material (1-Gal. Bag) - Project Sample No. 3 (IT20-30) / Fine to Medium Grained, Brown, Silty Sand with some fine gravel.

**SAMPLE TEST RESULTS:**

Sieve Analysis Test: ASTM C 136, D 6913

Sieve Size/No.	Percent Retained	Percent Passing	Fill Material Specification % Passing
3"	0	100	*
1 1/2"	0	100	*
1"	0	100	*
3/4"	0	100	*
1/2"	2	98	*
3/8"	2	98	*
#4	6	94	*
#10	8	92	*
#40	23	77	*
#100	62	38	*
#200	78.7	21.3	*



D10= 0.04  
D30= 0.11  
D60= 0.31  
Cc= 1.21  
Cu= 8.69

Test Method: ASTM D 2487 - Soil Class: SM

Particle Size Distribution (Hydrometer Analysis): ASTM D7928

D (mm)	Mass Finer (%)
0.05	16.1
0.0354	16.1
0.0255	12.9
0.018	9.6
0.0132	9.6
0.0094	8.0
0.0066	8.0
0.0034	4.8
0.0014	4.8

Estimated (%)	
Gravel	5.6
Sand	73.1
Fines	21.3
Silt	13.3
Clay	4.8

Atterberg Limits Test: ASTM D 4318

Limit Test	Index Test Result	Fill Material Specification
LL	NV	*
PL	NV	*
PI	NPT	*

Comment:  
NPT- Nonplastic by Test / NS - Not Specified / NV - No Value / NA - Non Applicable

Reference Specifications:

(1) Specification not provided by Client.

Remarks: \*Specification not provided by Client.

**REPORT DISTRIBUTION**

- 1.) Certified Project Manager

Supervised and Reviewed By:

**FILE COPY**