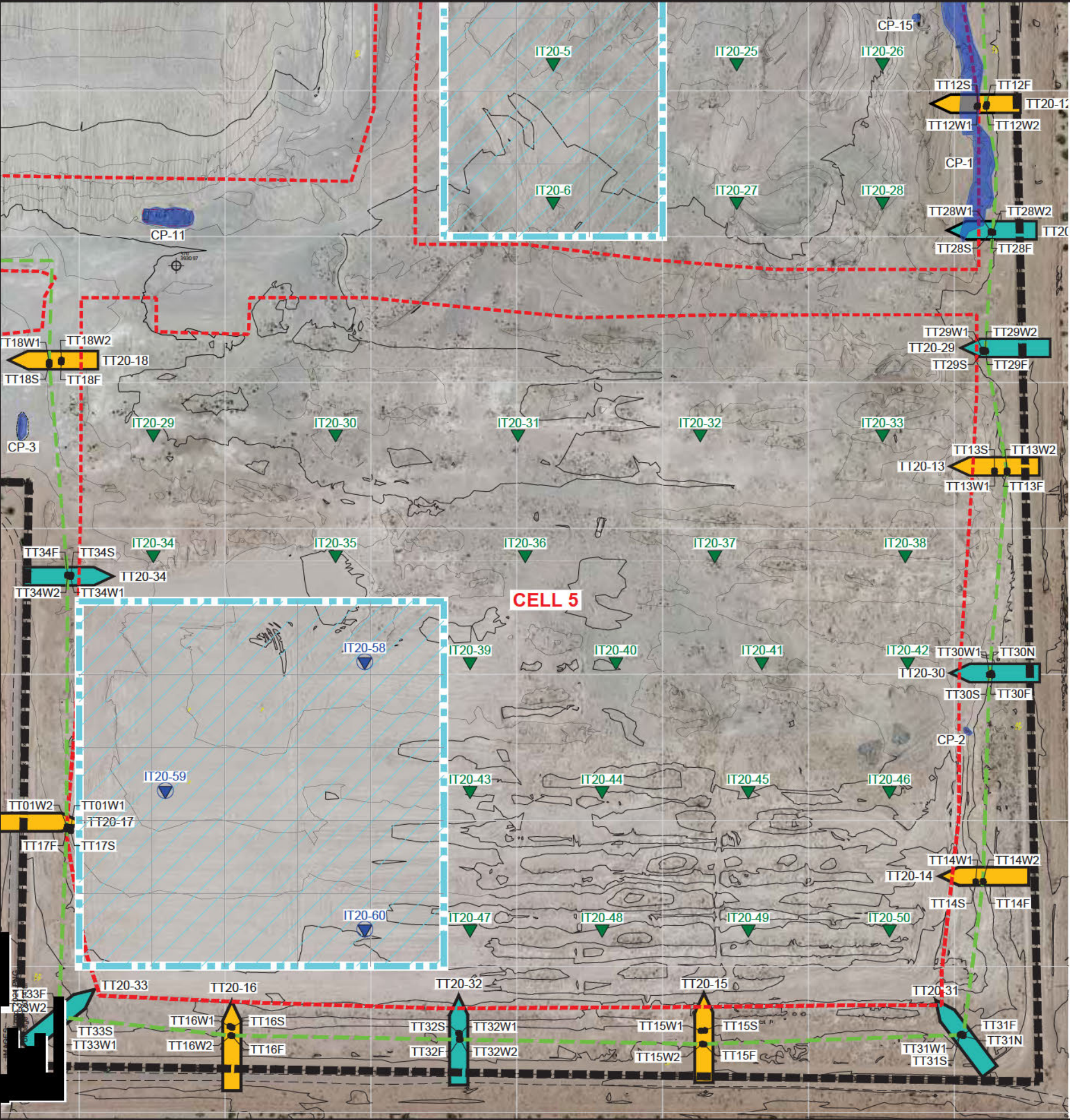


US-30056999-Fort Bliss Landfill Project File\0_WIP\FIGURES\LOW-F03ABC-2021 TRENCH PIT LOC.dwg LAYOUT: 3C SAVED: 11/29/2021 11:35 AM BY: JORN COREY PLOTSETUP: PLOTSTYLETABLE: AUS-NCMOD FULL MONO CTB PLOTTED: 11/29/2021 11:35 AM

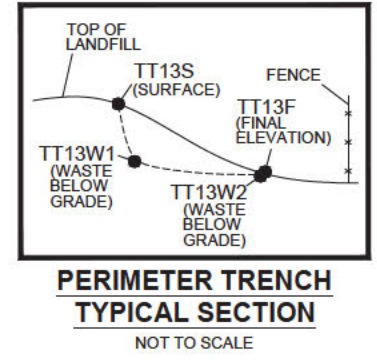


LEGEND

- LANDFILL PERMIT BOUNDARY
- APPROXIMATE CELL BOUNDARY (SUBTITLE D CELL)/ASSUMED CELL BOUNDARY (ALL OTHER CELLS BASED ON 2015 LOWI)
- TOPOGRAPHIC CONTOUR
- FENCE
- PARTIAL FILL
- INTERIOR TRENCH (50)
- INTERIOR TRENCH TIME PERMITTING (10)
- PERIMETER TRENCH (25)
- DATA GAP PERIMETER TRENCH (9)
- CONCRETE PILE (11)
- TRENCH LOCATION POINT
- LIMITS OF WASTE 2021

ABBREVIATION LEGEND

IT = INTERNAL TRENCH
TT = PERIMETER TRENCH
S = GROUND SURFACE AT START OF PERIMETER TRENCH
F = GROUND SURFACE AT END OF PERIMETER TRENCH
W1 = WASTE BELOW GRADE AT START OF PERIMETER TRENCH
W2 = LIMIT OF WASTE BELOW GRADE WITHIN PERIMETER TRENCH
N = NO WASTE ENCOUNTERED
CP = CONCRETE PILE



MAY 2021 TRENCH LIMITS OF WASTE & DEPTH TO WASTE ELEVATIONS							
ID	NORTHING	EASTING	TOP OF WASTE ELEVATION	ID	NORTHING	EASTING	TOP OF WASTE ELEVATION
TT01W1			3526.5	TT18W1			3526.5
TT01W2			3526.9	TT18W2			3527.7
TT02W1			3525.3	TT19W1			3523.9
TT02W2			3525.4	TT19W2			3524.3
TT03W1			3530.8	TT20W1			3527.0
TT03W2			3528.3	TT20W2			3527.8
TT04W1			3529.4	TT21W1			3524.5
TT04W2			3527.7	TT21W2			3523.1
TT05W1			3533.3	TT22W1			3524.3
TT05W2			3528.5	TT22W2			3524.8
TT07W1			3527.1	TT23W1			3525.2
TT07W2			3525.5	TT23W2			3525.9
TT08W1			3523.8	TT24W1			3524.7
TT08W2			3524.0	TT24W2			3524.9
TT09W1			3525.3	TT25W1			3525.3
TT09W2			3523.7	TT25W2			3525.8
TT10W1			3524.3	TT26W1			3522.8
TT10W2			3524.1	TT26W2			3523.2
TT11W1			3522.5	TT27W1			3520.1
TT11W2			3521.6	TT27W2			3520.0
TT12W1			3521.0	TT28W1			3520.6
TT12W2			3520.1	TT28W2			3520.6
TT13W1			3518.7	TT29W1			3519.1
TT13W2			3518.4	TT29W2			3519.0
TT14W1			3519.9	TT30W1			3520.0
TT14W2			3519.4	TT31W1			3519.1
TT15W1			3518.2	TT32W1			3519.6
TT15W2			3517.3	TT32W2			3517.5
TT16W1			3519.8	TT33W1			3518.6
TT16W2			3519.1	TT33W2			3518.7
TT17W1			3523.1	TT34W1			3522.8
TT17W2			3522.2	TT34W2			3524.7

- NOTES:**
- BEARING BASIS AND COORD NATE VALUES ARE UNIVERSAL TRANSVERSE MERCATOR, ZONE 13 NORTH, NORTH AMERICAN DATUM OF 1983.
 - MAP SOURCE: AEROTECH MAPPING, NC. FLIGHT DATE: FEBRUARY 22, 2018 FOR LAND-MARK PROFESSIONAL SURVEYING, NC.

0 75' 150'
GRAPHIC SCALE

**FORT BLISS LANDFILL
FORT BLISS, TEXAS
FINAL LIMITS OF WASTE INVESTIGATION REPORT**

2021 LIMITS OF WASTE & TRENCH WASTE ELEVATIONS

FIGURE
3C

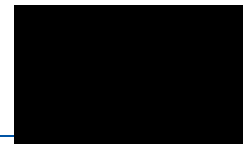
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APPENDICES

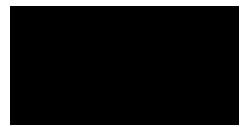


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Appendix A – Field Forms

- A1. Perimeter Trench Logs**
 - A2. Interior Trench Logs**
 - A3. Daily Quality Control Reports**
 - A4. Field Activity Reports**
 - A5. Tail Gate Safety Meeting Forms**
-



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A1. Perimeter Trench Logs



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Test Trench Log - Fort Bliss Landfill - Perimeter X or Interior

Project Name and No. MSWLF Limit of Waste Investigation - Fort Bliss, Texas

Date Excavated: 10/5/11/21

Weather: clear sunny breezy

Date Backfilled: 5-11-21 5-14-21

Weather: clear sunny breezy

Contractor:

Machine: Case 580N-

Operator:

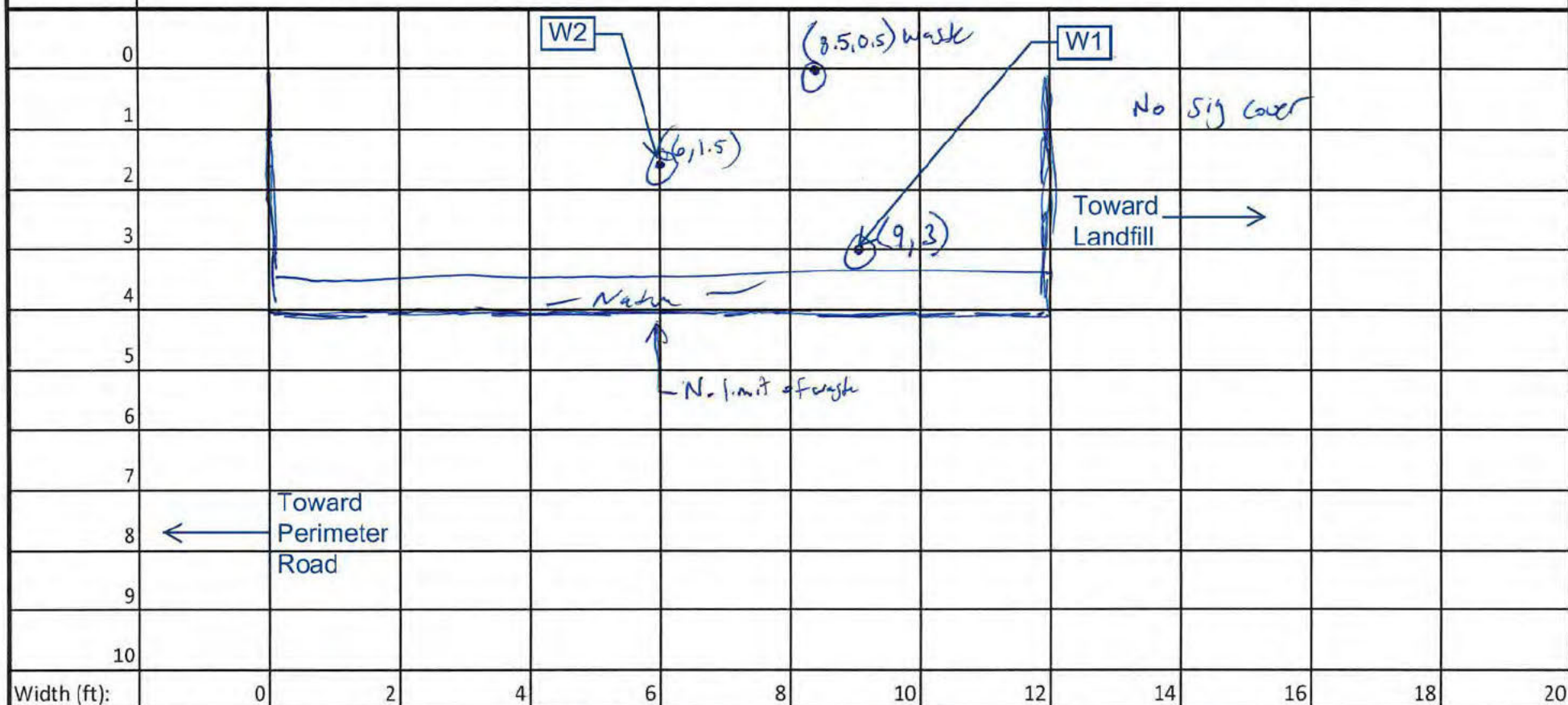
Bucket Width: 2 ft

Test Pit No. TJ20-01 Direction Advanced South

Start Location: N E El.

Logged By:

Depth (ft): Sketch - Clearly locate and label: 1) depth to waste; 2) limit of waste; 3) materials encountered; 4) soil characteristics; 5) other observations



USCS characterization of soils encountered: gravelly CLay (CL) over, calcare @ ~3.5 ft. Sample Taken:

GPS coordinates of limit of waste or depth to waste (circle): N E EL. Trimble Unit No.



Preliminary field notes with approximate hand measurements. Survey at a later date used for landfill design purposes.

Test Trench Log - Fort Bliss Landfill - Perimeter X or Interior

Project Name and No. MSWLF Limit of Waste Investigation - Fort Bliss, Texas

Date Excavated: 5/11/21

Weather: clear sunny breezy

Date Backfilled ^{PM} 5/11/21 5-14-21

Weather: clear sunny breezy

Contractor:

Machine: Case 580N

Operator:

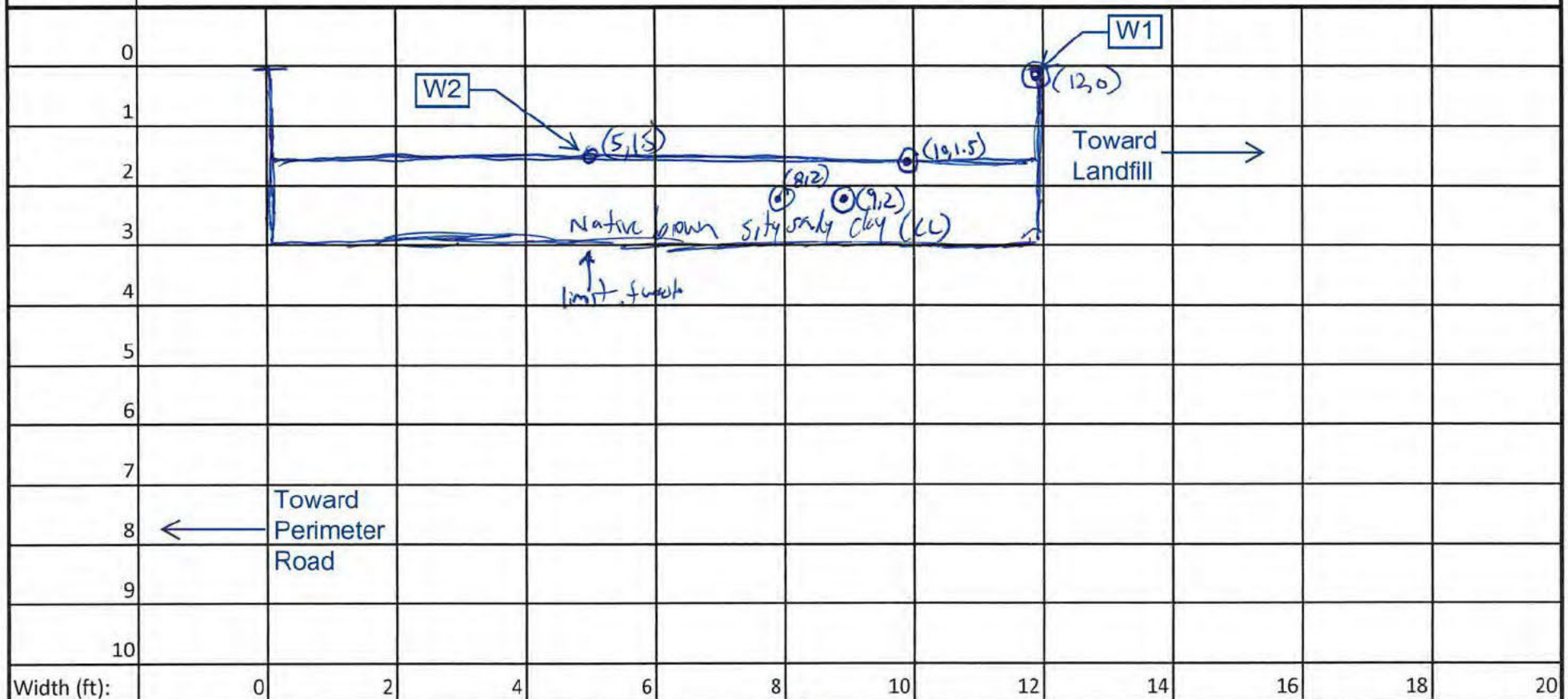
Bucket Width: 2

Test Pit No. TT20-02 Direction Advanced N

Start Location: N E El.

Logged By:

Depth (ft): Sketch - Clearly locate and label: 1) depth to waste; 2) limit of waste; 3) materials encountered; 4) soil characteristics; 5) other observations



USCS characterization of soils encountered: Cover - gravelly sand w/ clay (SW) Sample Taken:

GPS coordinates of limit of waste or depth to waste (circle): N E El. Trimble Unit No.



Preliminary field notes with approximate hand measurements.
Survey at a later date used for landfill design purposes.

Test Trench Log - Fort Bliss Landfill - Perimeter X or Interior

Project Name and No. MSWLF Limit of Waste Investigation - Fort Bliss, Texas

Date Excavated: 5/11/21

Weather: clear breezy

Date Backfilled 5/11/21 5-14-21

Weather: clear breezy

Contractor:

Machine: CASE 580 N

Operator:

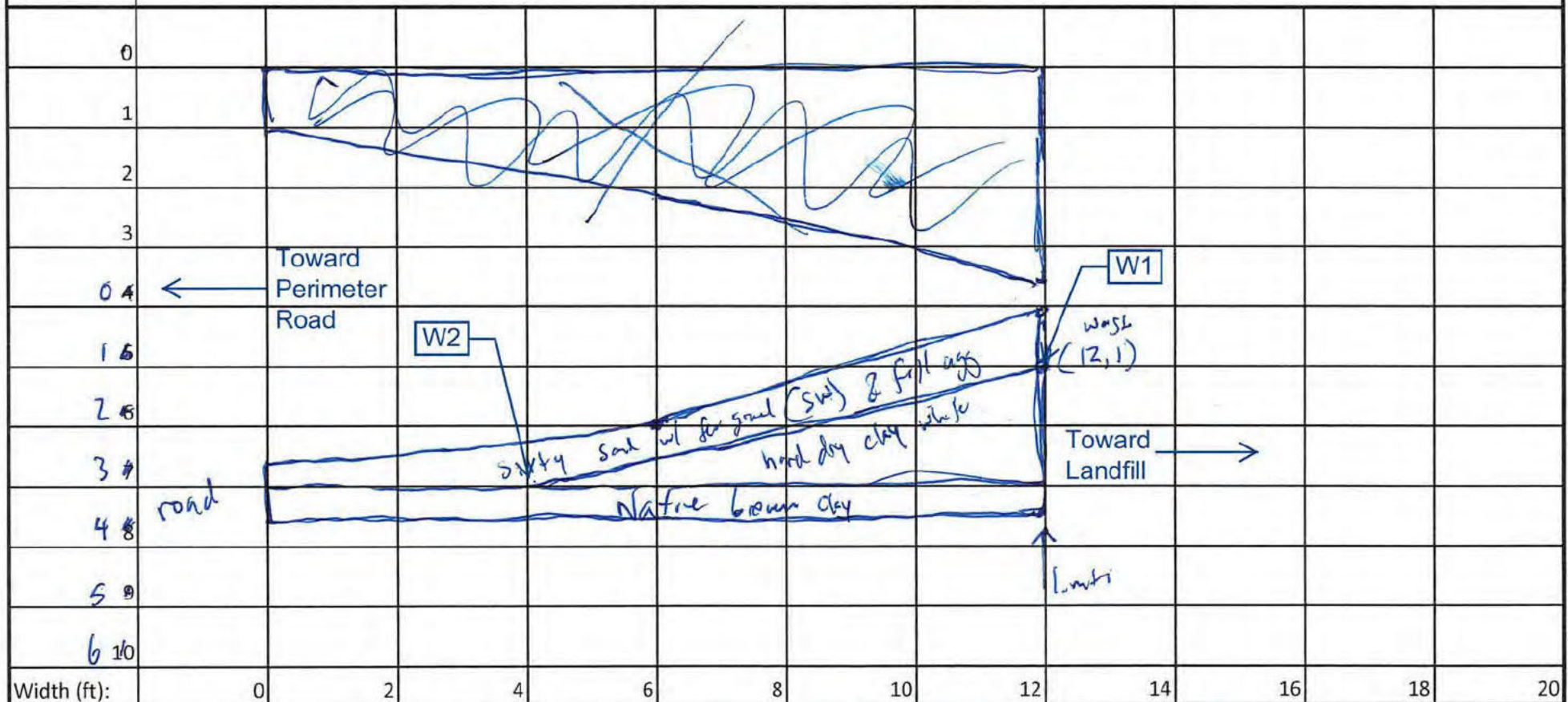
Bucket Width: 2 ft

Test Pit No. TT20-03 Direction Advanced North

Start Location: N E El.

Logged By:

Depth (ft): Sketch - Clearly locate and label: 1) depth to waste; 2) limit of waste; 3) materials encountered; 4) soil characteristics; 5) other observations



USCS characterization of soils encountered: Native brown clay / hard dry clay / SW of asphalt & misc fill Sample Taken: No

GPS coordinates of limit of waste or depth to waste (circle): N E EL. Trimble Unit No.

← N Preliminary field notes with approximate hand measurements. Survey at a later date used for landfill design purposes.

Test Trench Log - Fort Bliss Landfill - Perimeter X or Interior

Project Name and No. MSWLF Limit of Waste Investigation - Fort Bliss, Texas

Test Pit No. TT20-04 Direction Advanced North

Date Excavated: 5/11/21 Weather: clear, breezy

Date Backfilled: 5-14-21 Weather: clear, breezy

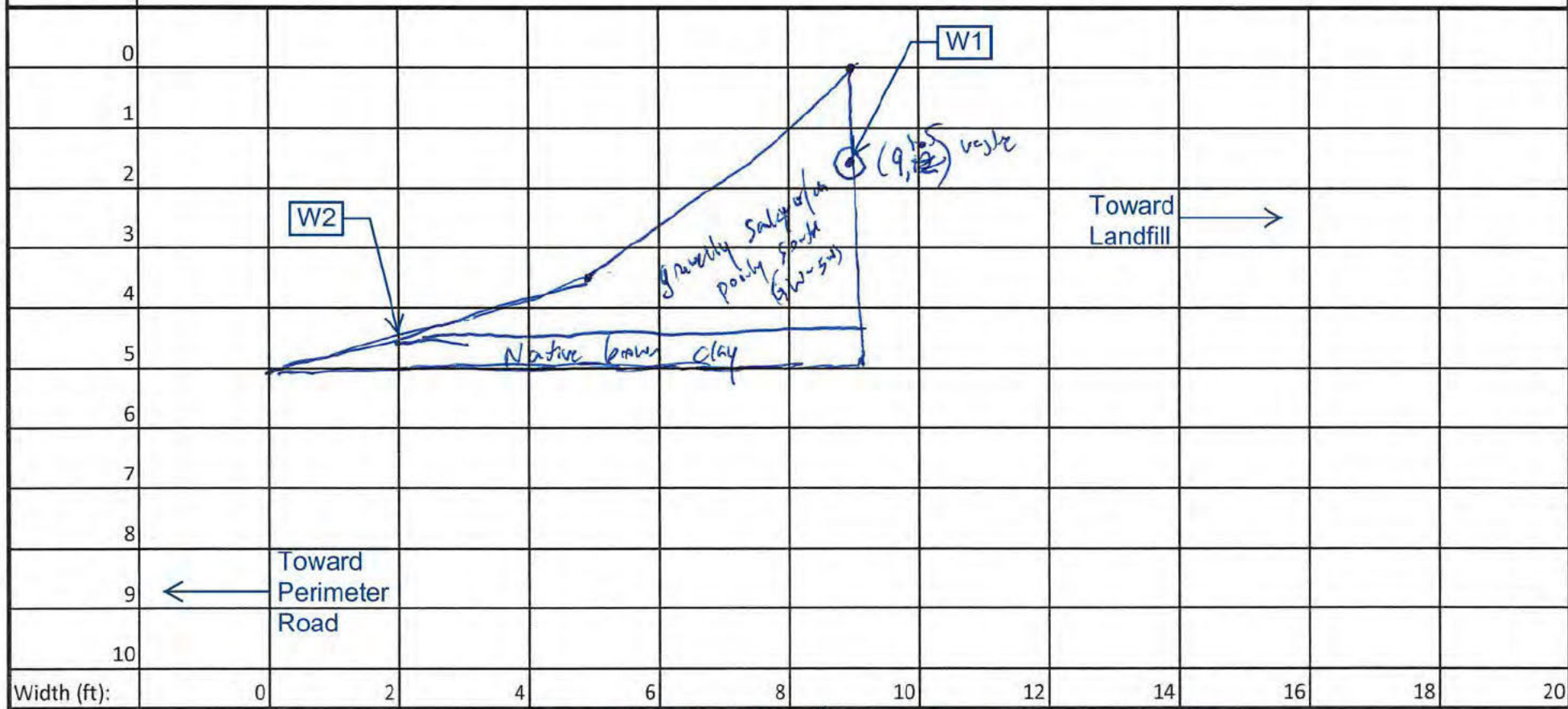
Contractor: Machine: Case 580N

Operator: Bucket Width: 2 ft

Start Location: N E El.

Logged By:

Depth (ft): Sketch - Clearly locate and label: 1) depth to waste; 2) limit of waste; 3) materials encountered; 4) soil characteristics; 5) other observations



USCS characterization of soils encountered: Native brown clay @ base / GW-SM Sample Taken:

GPS coordinates of limit of waste or depth to waste (circle): N E El. Trimble Unit No.



Preliminary field notes with approximate hand measurements.
Survey at a later date used for landfill design purposes.

Test Trench Log - Fort Bliss Landfill - Perimeter X or Interior _____

Project Name and No. MSWLF Limit of Waste Investigation - Fort Bliss, Texas

Date Excavated: 5/11/21

Weather: clear, breezy

Test Pit No. TT20-05 Direction Advanced North

Date Backfilled ^{DMS} 5/11/21

Weather: 1-1

Start Location: N _____ E _____ EL. _____

Contractor: _____

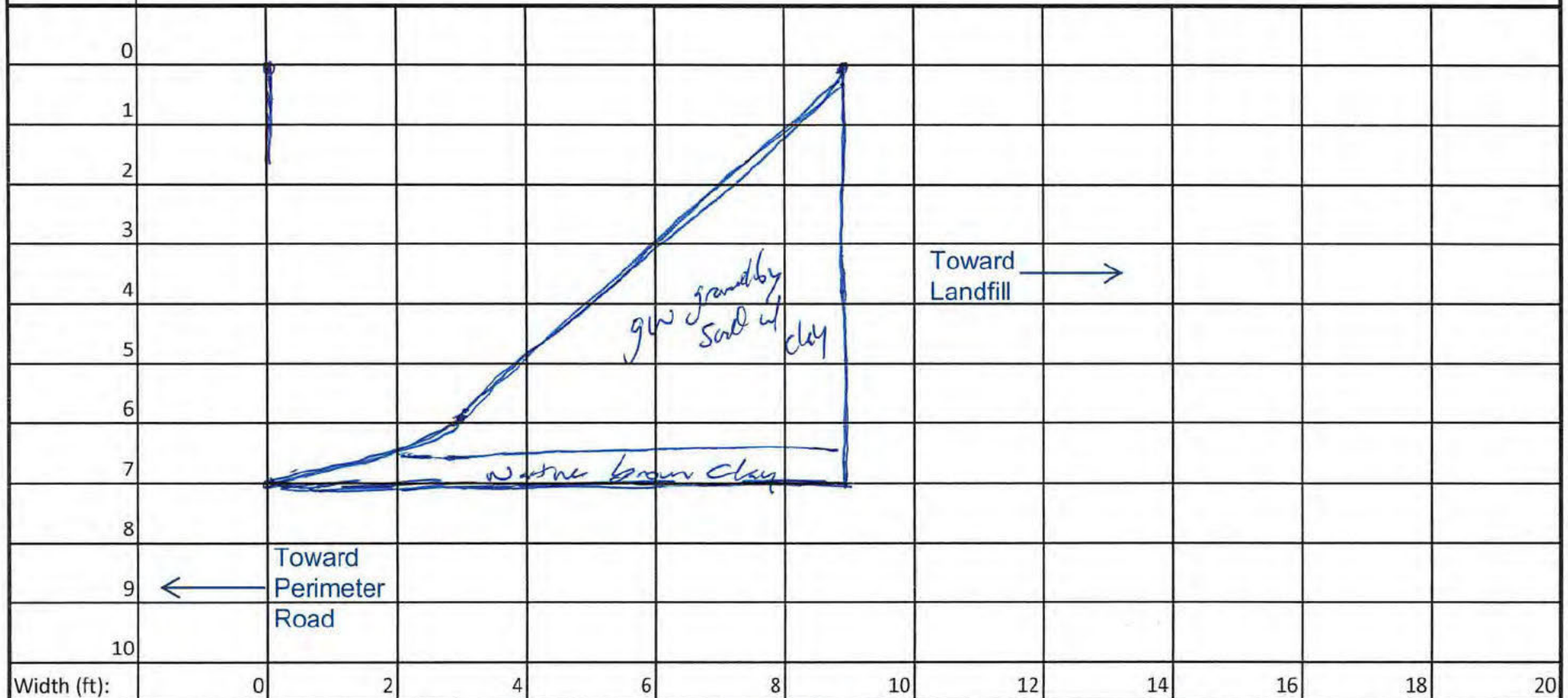
Machine: Case

Operator: _____

Bucket Width: 2 ft

Logged By: _____

Depth (ft): Sketch - Clearly locate and label: 1) depth to waste; 2) limit of waste; 3) materials encountered; 4) soil characteristics; 5) other observations



USCS characterization of soils encountered: Notre gray clay underlying GW-SW Sample Taken: _____

GPS coordinates of limit of waste or depth to waste (circle): N _____ E _____ EL. _____ Trimble Unit No. _____

Preliminary field notes with approximate hand measurements.
Survey at a later date used for landfill design purposes.

← N

no waste observed & actual front of m

Test Trench Log - Fort Bliss Landfill - Perimeter X or Interior

Project Name and No. MSWLF Limit of Waste Investigation - Fort Bliss, Texas

Test Pit No. TT20-05-2 Direction Advanced South

Date Excavated: 5/11/21

Weather: clear breezy

Date Backfilled 5-14-21

Weather: "

Contractor:

Machine: Cat 580N

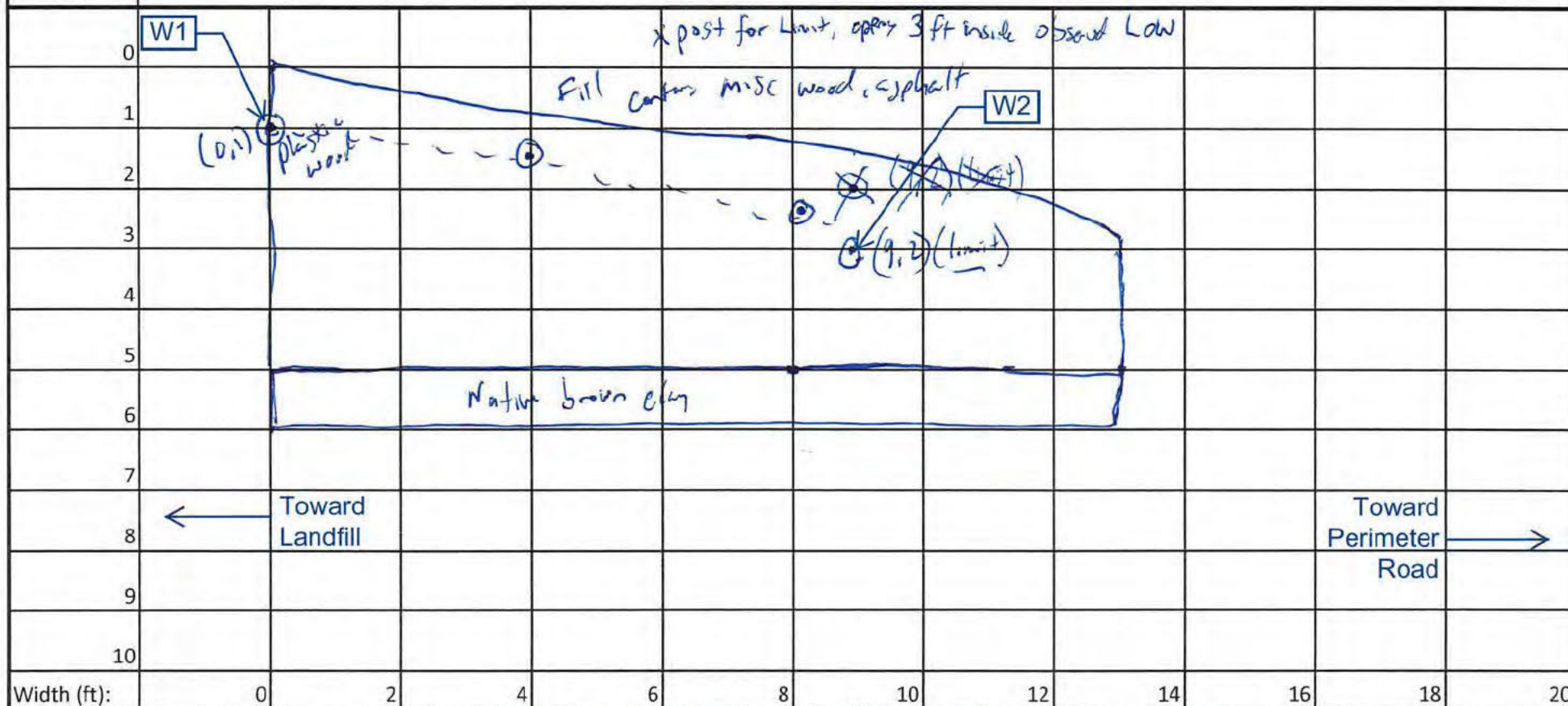
Operator:

Bucket Width: 2.5'

Start Location: N E El.

Logged By:

Depth (ft): Sketch - Clearly locate and label: 1) depth to waste; 2) limit of waste; 3) materials encountered; 4) soil characteristics; 5) other observations



USCS characterization of soils encountered: Native brown clay/soil by (GW, SC) Sample Taken:

GPS coordinates of limit of waste or depth to waste (circle): N E EL. Trimble Unit No.

Preliminary field notes with approximate hand measurements.
Survey at a later date used for landfill design purposes.

→ N