APPENDIX I

TRENCH LOGS

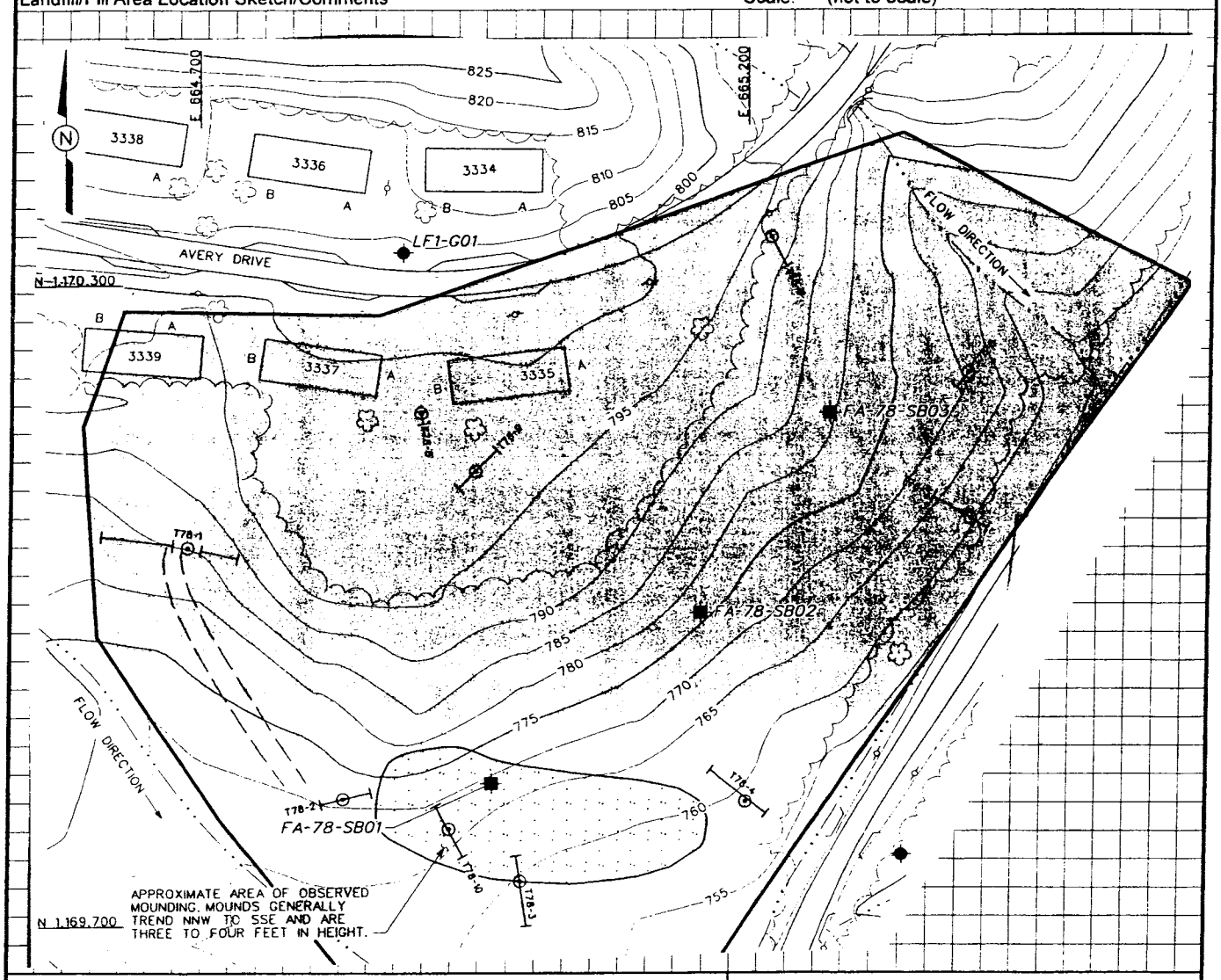
TRENCH LOG

Trench Number: T78-1

PW 11/27/01

Company Name: IT Corporation	District: Mobile USACE	Sheet 1 of ~~3~~ ~~4~~ Sheet(s) 5
Project: Fort McClellan Landfill/Fill Area Investigations	Location: Calhoun County, Alabama	
Name of Equipment Operator: David Ayala	Manufacture's Designation of Heavy Equipment: CAT 320B	
Sizes and Types of Equipment Used: LEL/O_2 meter; PID; Trackhoe excavator; Level C PPE	Trench Location: Land fill No. 1	
	Surface Elevation: TBD	
	Date Started: 2/23/00	Date Completed: 2/23/00
Overburden Thickness: > ~~8.0~~ 10.0'	Depth Groundwater Encountered: N/A	
Depth Rock Encountered: N/A	Total Depth of Trench: ~~8.0~~ 10.0'	Trench Length: ~~40.0'~~ 65' and 40.0'
Disposition of Trench:	Backfilled: X	Geologist: Denton Hill

Landfill/Fill Area Location Sketch/Comments — Scale: (not to scale)



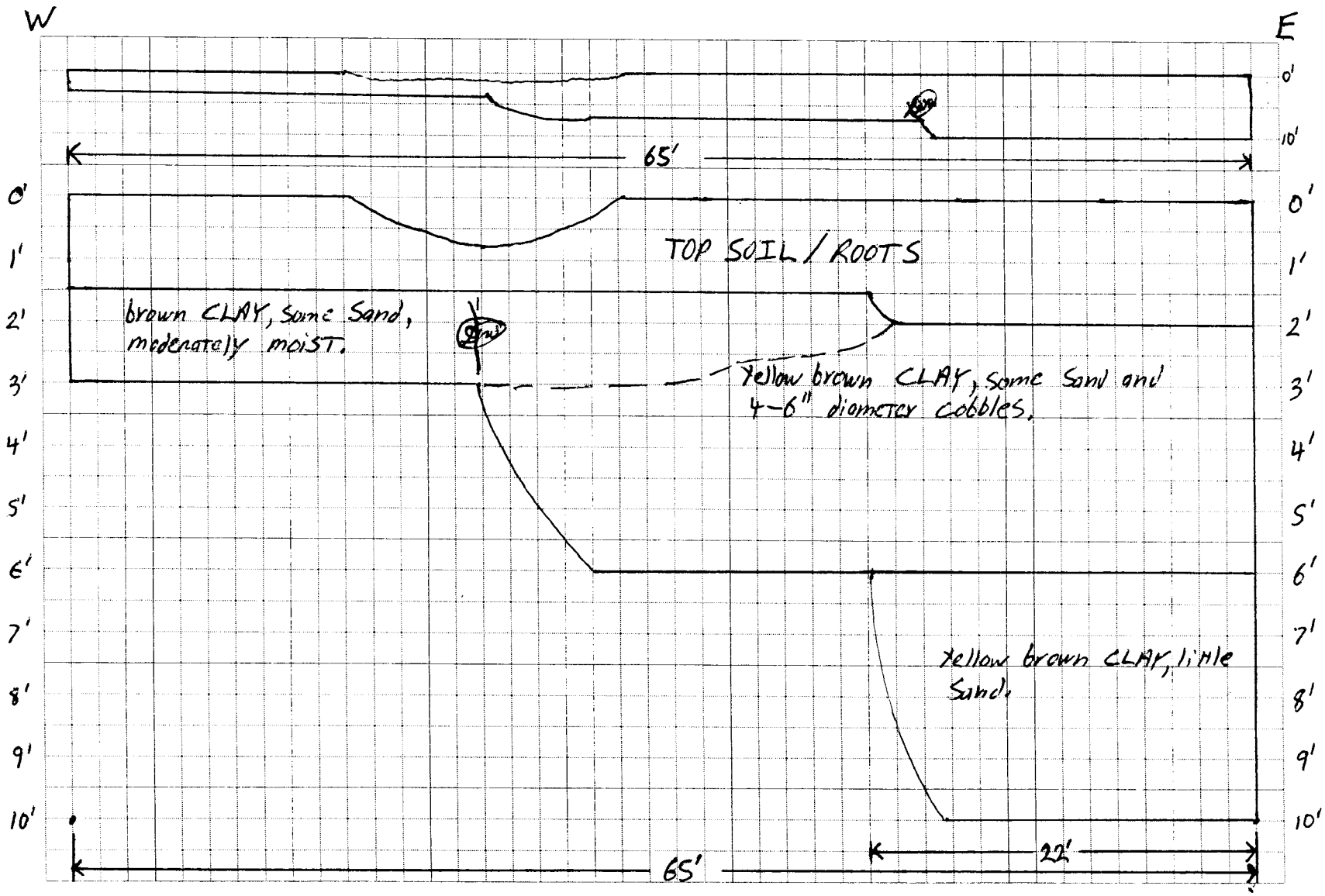
Project: Fort McClellan Landfill/Fill Area Investigations

Trench Number: T78-1

TBD = To be determined

N/A = Not Applicable

Test Pit Classification Log	Project: Fort McClellan, SAD TERC Parcel# 78(6) Date: 2/23/00 * Provide Sketch of Sidewall Geologist: Denton Hill	Trench Location: T78-1d Equipment used: CAT 320 Trackhoe	Page 2 of 5 Pages Excavation size: ___ X ___ X ___ = ___ Length Width Depth Volume 24' x 3' x 3' = 216 ft3 19' x 3' x 6' = 342 ft3 22' x 3' x 10' = 660 ft3 = 1218 ft3

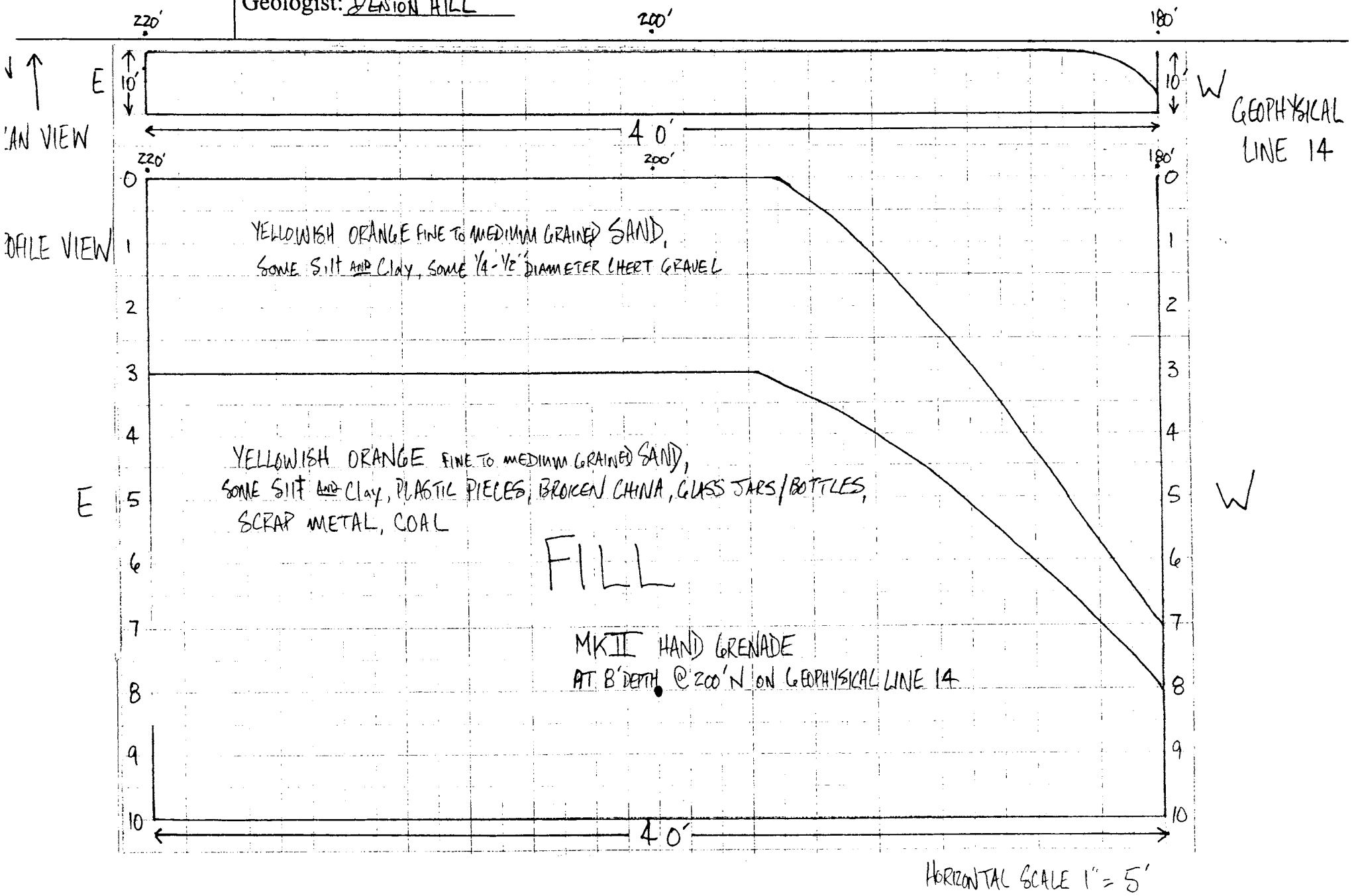


Test Pit Classification Log

Project: Fort McClellan, SAD TERC
Parcel# 78(6)
Date: 2/23/00
* Provide Sketch of Sidewall
Geologist: DENTON HILL

Tr h Location: T78-18
Equipment used: CAT 320 TRACKHOE

Page 4 of 5 Pages
Excavation size:
40' X 3' X 10' = 1200
Length Width Depth Volume FT3



TEST PIT CLASSIFICATION LOG

(continuation sheet)

~~Parcel~~ Trench Number: T78-1a

Project: Fort McClellan, SAD TERC

Geologist: Denton Hill

Sheet 4 of 5 Sheets

Elev (ft)	Depth (ft) bgs	Description of Materials	USCS/ Litho	Field Screening Results (ppm)	COMMENTS
	0	TOP Soil / ROOTS	NA		NOTE: The TOPSoil/ROOTS extends down to 2' bgs on the east end of the Trench.
	1				
	2	WESTERN ~~1/3~~ Section of Trench is brown CLAY, Some Sand, moderately moist	CL		
	3	EASTERN ~~1/3~~ Section of Trench is yellow brown CLAY, Some Sand and 4-6" diameter Cobbles.			
	4				
	5				
	6	Yellow brown CLAY, little Sand.	CL		
	7				
	8				
	9				
	10				10' bgs is the bottom of deepest portion of Trench

Project Fort McClellan, SAD TERC

~~Parcel~~ Trench Number T78-1

trenchHtrwlog

TEST PIT CLASSIFICATION LOG

(continuation sheet)

~~Parcel~~ trench Number: T78-1B

Project: Fort McClellan, SAD TERC

Geologist: Denton Hill

Sheet 5 of 5 Sheets

Elev (ft)	Depth (ft) bgs	Description of Materials	USCS/ Litho	Field Screening Results (ppm)	COMMENTS
	0	Yellowish orange fine to medium grained SAND, some Silt and Clay, some 1/4 -1/2" diameter chert Gravel.	SC		
	1				
	2				
	3	Yellowish orange fine to medium SAND, some Silt and Clay. Fill	SC		Fill consist of plastic pieces, broken china, glass jars/bottles, scrap metal, coal and a MKII hand grenade at 8' depth at 200' N of geophysical line 14
	4				
	5				
	6				
	7				
	8				
	9				Bottom of Trench 10' bgs
	10				

Project Fort McClellan, ~~SAD~~ TERC

~~Parcel~~ trench Number T78-1

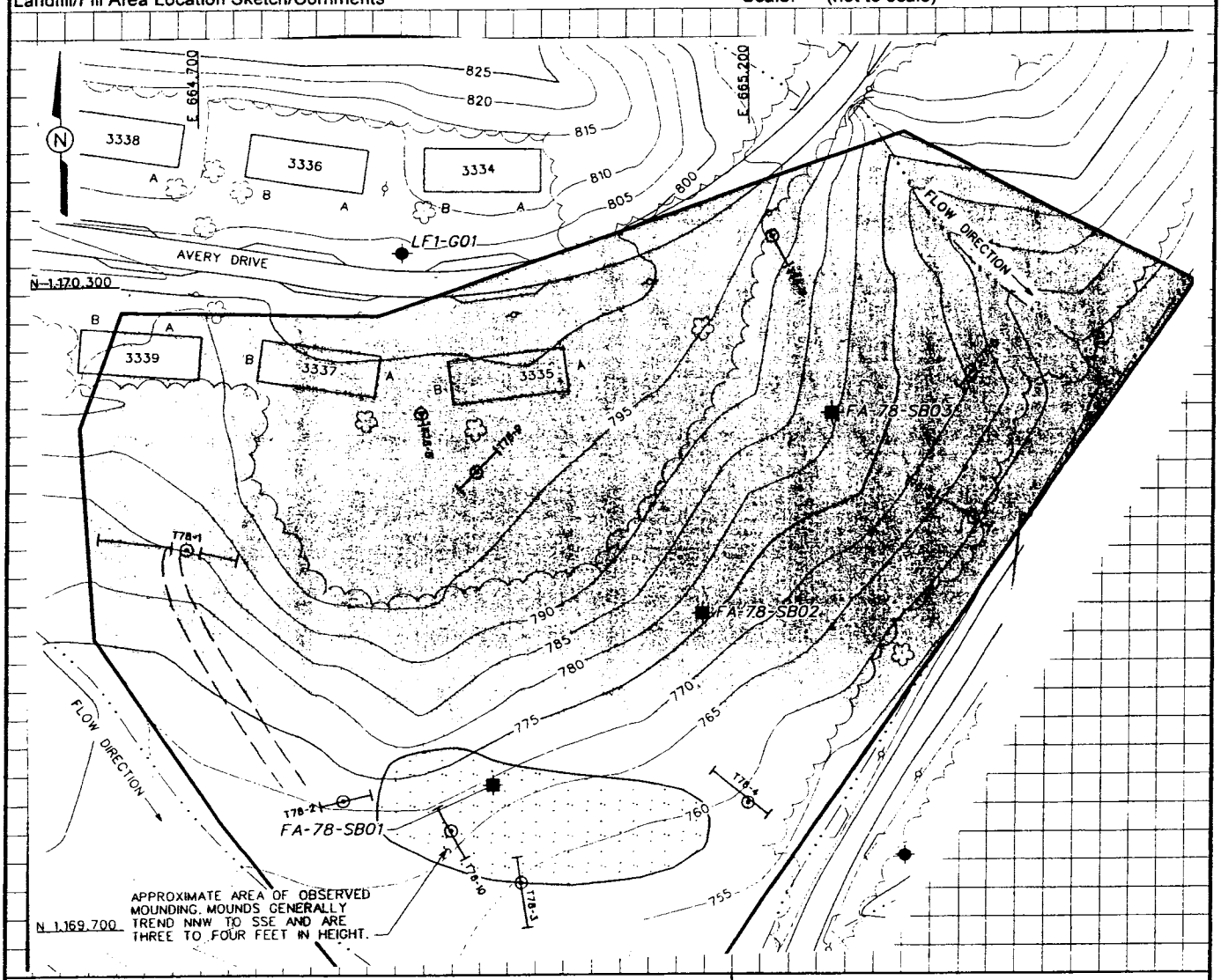
trenchHtrwlog

TRENCH LOG

Trench Number: T78-2

Company Name: IT Corporation	District: Mobile USACE	Sheet 1 of ~~2~~ 3 Sheet(s)
Project: Fort McClellan Landfill/Fill Area Investigations	Location: Calhoun County, Alabama	
Name of Equipment Operator: David Ayala	Manufacture's Designation of Heavy Equipment: CAT 320B	
Sizes and Types of Equipment Used: LEL/O_2 meter, PID, Trackhoe excavator, Level C PPE	Trench Location: Landfill No. 1	
	Surface Elevation: TBD	
	Date Started: 2/22/00	Date Completed: 2/22/00
Overburden Thickness: > 9.0'	Depth Groundwater Encountered: N/A	
Depth Rock Encountered: N/A	Total Depth of Trench: 9.0'	Trench Length: 55.0'
Disposition of Trench:	Backfilled: X	Geologist: Denton Hill

Landfill/Fill Area Location Sketch/Comments — Scale: (not to scale)



Project: Fort McClellan Landfill/Fill Area Investigations	Trench Number: T78-2

TBD = To be determined

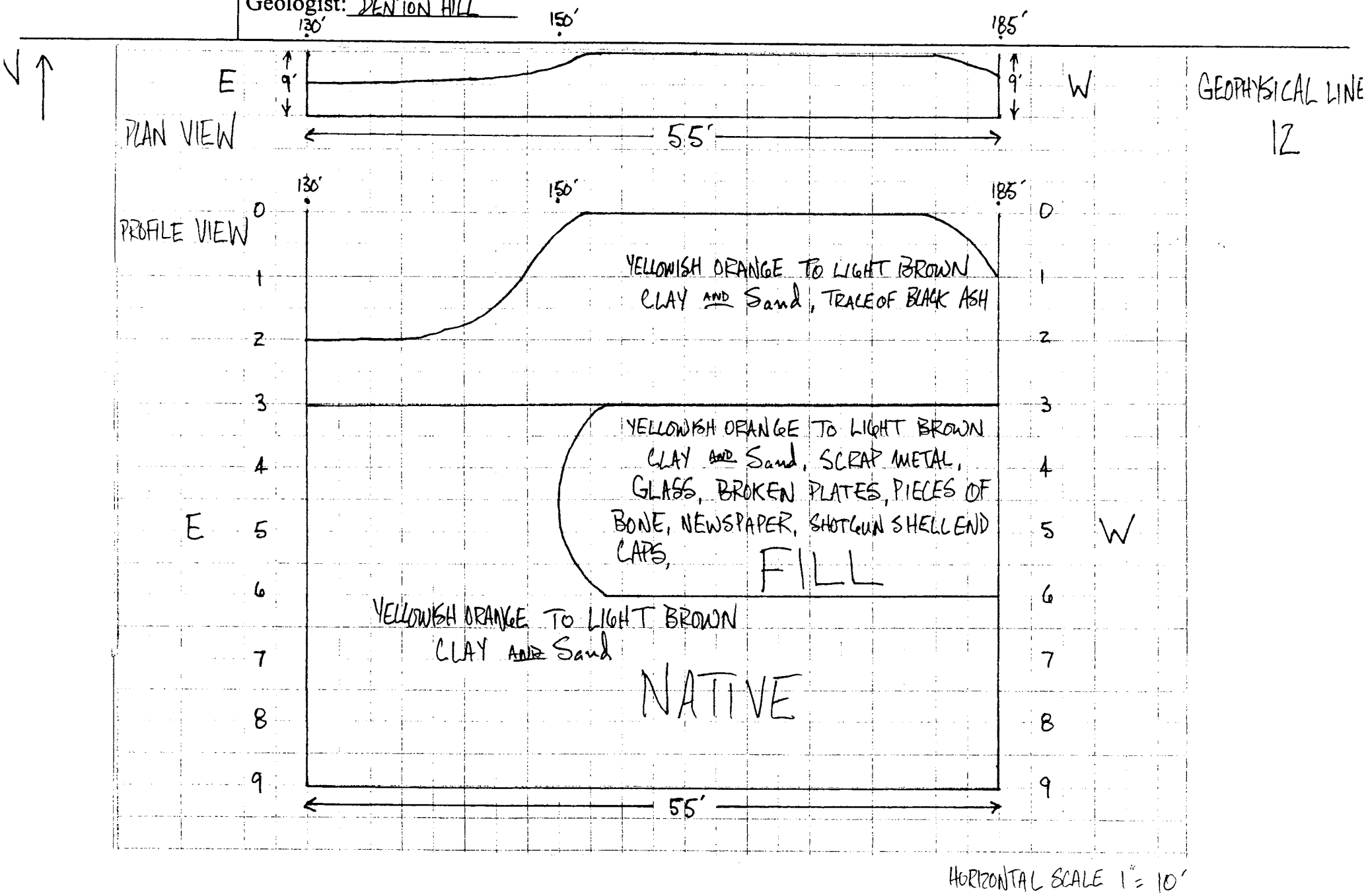
N/A = Not Applicable

Test Pit Classification Log

Project: Fort McClellan, SAD TERC
Parcel# 78(6)
Date: 2/22/00
* Provide Sketch of Sidewall
Geologist: DENTON HILL

T h Location: T78-2
Equipment used: CAT 320 TRACKHOE

Page 2 of 3 Pages
Excavation size:
55' X 3' X 9' = 1,485 FT3
Length Width Depth Volume



TEST PIT CLASSIFICATION LOG

(continuation sheet)

~~Parcel~~ Trench Number: T78-2

Project: Fort McClellan, SAD TERC

Geologist: Denton Hill

Sheet 3 of 3 Sheets

Elev (ft)	Depth (ft) bgs	Description of Materials	USCS/ Litho	Field Screening Results (ppm)	COMMENTS
	0	Yellowish orange to light brown CLAY and SAND, trace black ash,	SC		
	1				
	2				
	3	Yellowish orange to light brown CLAY and SAND, Fill,	SC		Scrap metal, glass, broken plates, pieces of bone, newspaper, shotgun shell end caps are located from 3'- ~5' bgs on the western 35' section of the trench
	4				
	5				
	6				
	7				
	8				
	9				Bottom of Trench 9' bgs
	10				

Project Fort McClellan, SAD ~~TERC~~

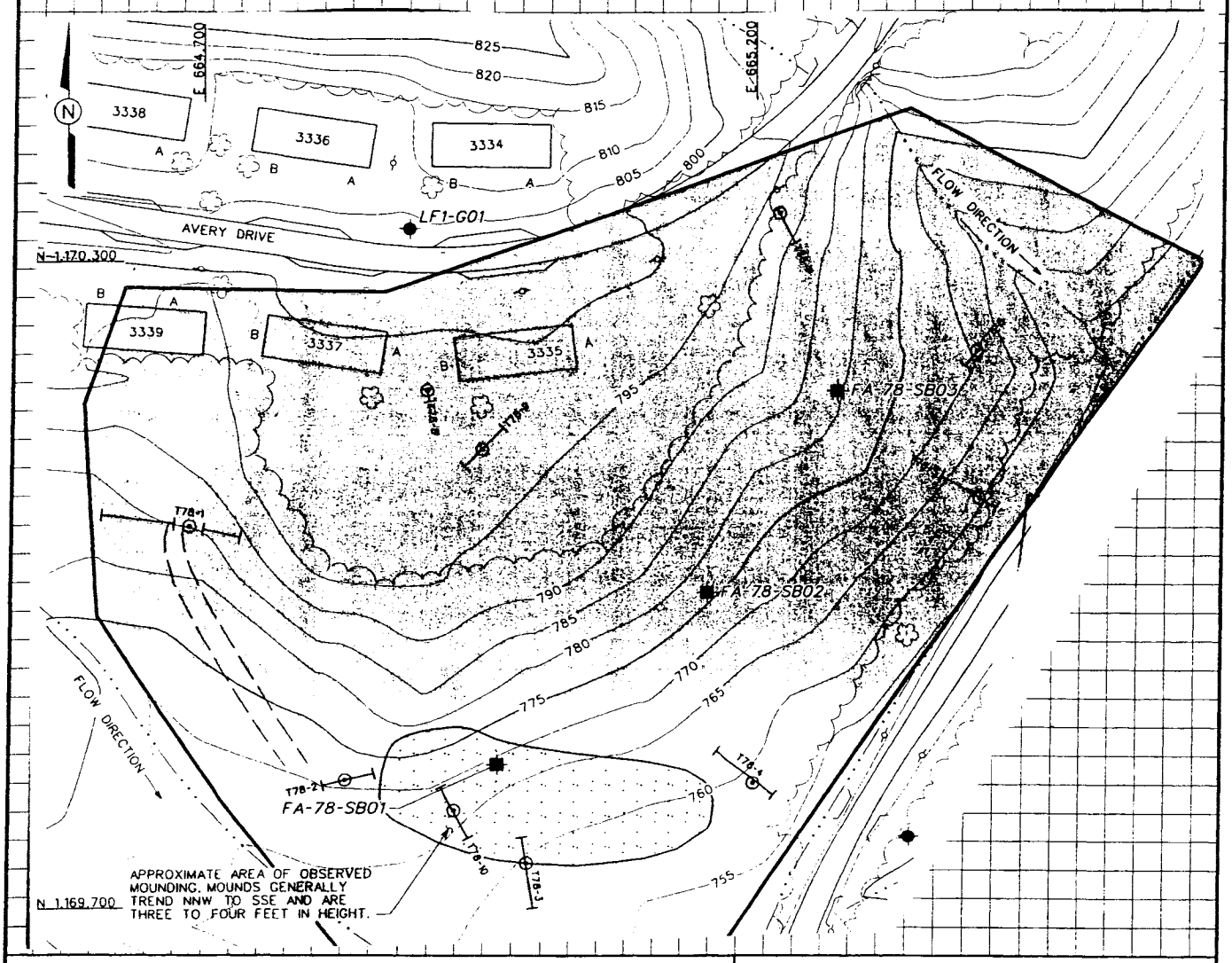
~~Parcel~~ Trench Number T 78-2

trenchHtrwlog

TRENCH LOG

Trench Number	T78-3
Company Name	IT Corporation
District	Mobile USACE
Sheet	1 of 23
Project	Fort McClellan Landfill/Fill Area Investigations
Location	Calhoun County, Alabama
Name of Equipment Operator	David Ayala
Manufacture's Designation of Heavy Equipment	CAT 320B
Sizes and Types of Equipment Used	LEL/O_2 meter, PID, Trackhoe excavator, Level C PPE
Trench Location	Landfill No. 1
Surface Elevation	TBD
Date Started	2/22/00
Date Completed	2/22/00
Overburden Thickness	> 7.5'
Depth Groundwater Encountered	N/A
Depth Rock Encountered	N/A
Total Depth of Trench	7.5'
Trench Length	70.0'
Disposition of Trench	Backfilled ✗
Geologist	Denton Hill

Landfill/Fill Area Location Sketch/Comments — Scale: (not to scale)



Project	Fort McClellan Landfill/Fill Area Investigations
Trench Number	T78-3

TBD = To be determined

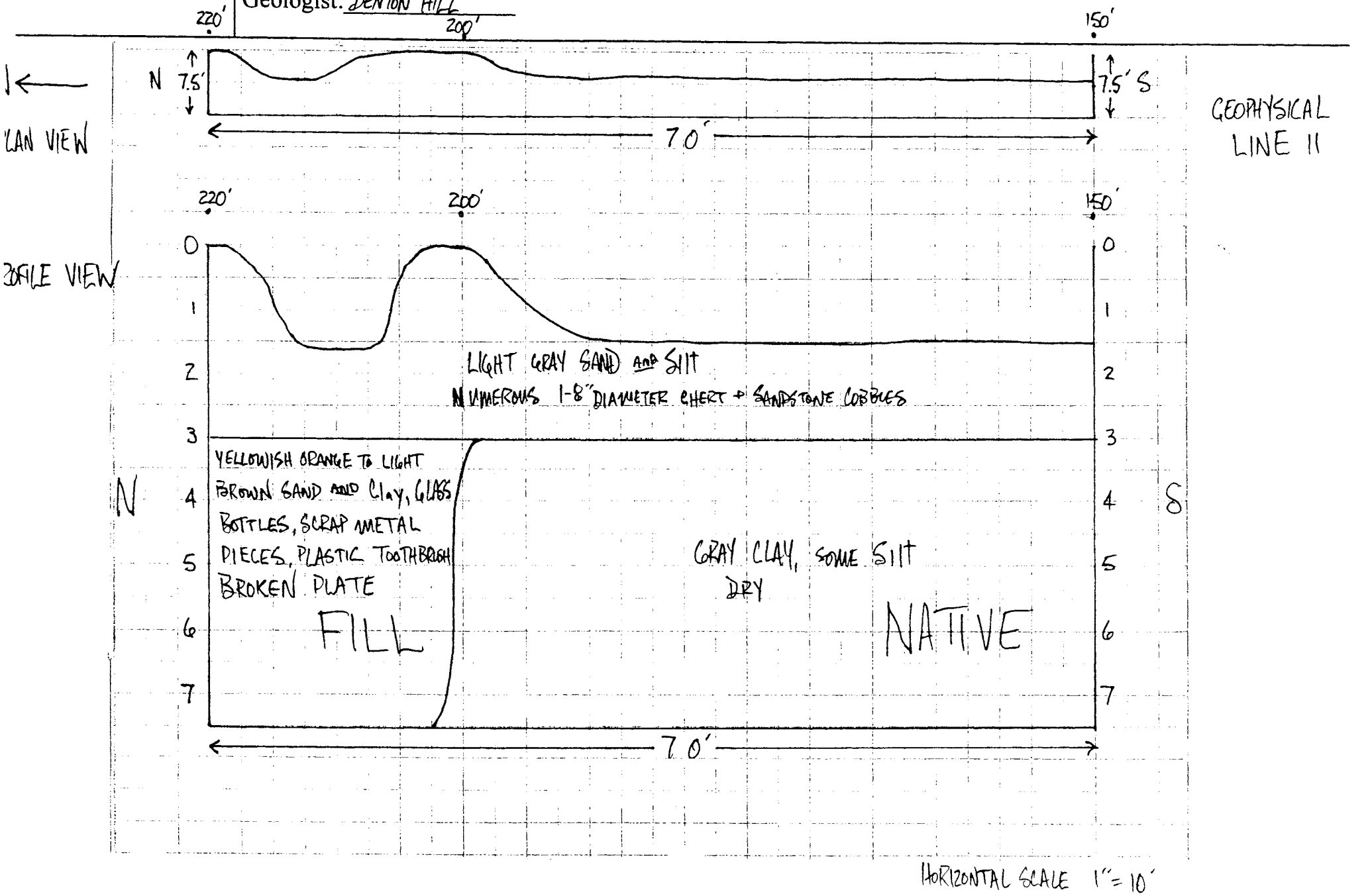
N/A = Not available

Test Pit Classification Log

Project: Fort McClellan, SAD TERC
Parcel# 78(6)
Date: 2/22/00
* Provide Sketch of Sidewall
Geologist: DENTON HILL

Tr[illegible]h Location: T 78-3
Equipment used: CAT 320 TRACKHOE

Page 2 of 3 Pages
Excavation size:
70' X 3' X 7.5' = 1,575 FT3
Length Width Depth Volume



TEST PIT CLASSIFICATION LOG

(continuation sheet)

~~Parcel~~ Trench Number: T78-3

Project: Fort McClellan, SAD TERC

Geologist: Denton Hill

Sheet 3 of 3 Sheets

Elev (ft)	Depth (ft) bgs	Description of Materials	USCS/ Litho	Field Screening Results (ppm)	COMMENTS
	0	light gray SAND and SILT numerous 1-8" diameter chert and sandstone cobbles	SM		
	1				
	2				
	3	gray CLAY, some silt, dry, fill	CL		Fill is located at 3-7.5' bgs and in the Northern 20' of the trench. The fill consists of glass bottles, scrap metal pieces, plastic tooth brush, broken plate and yellowish orange to light brown sand and CLAY.
	4				
	5				
	6				
	7				Bottom of trench 7.5' bgs
	8				

Project Fort McClellan, SAD TERC

~~Parcel~~ Trench Number T78-3

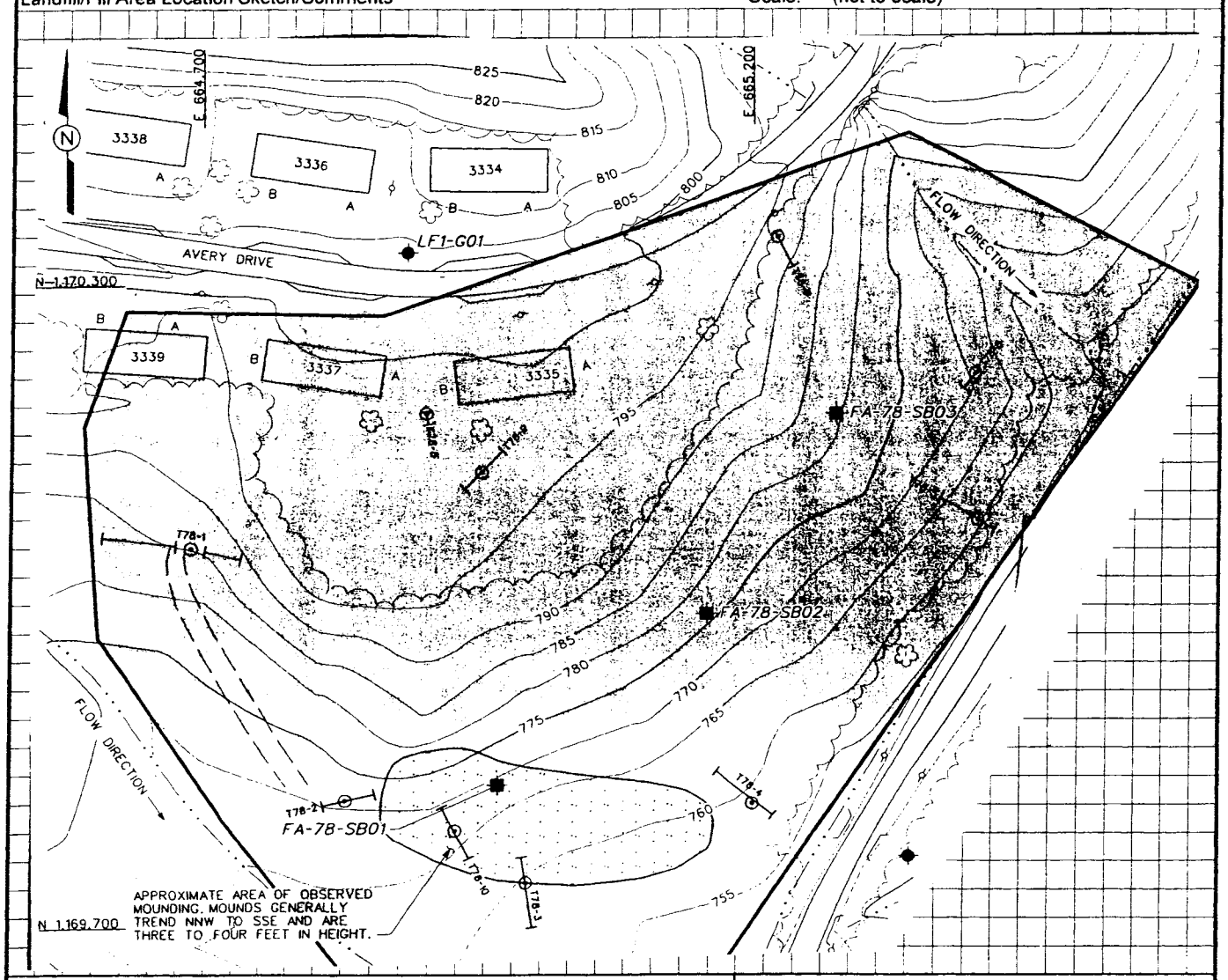
trenchHtrwlog

TRENCH LOG

Trench Number: T78-4

Company Name: IT Corporation	District: Mobile USACE	Sheet 1 of ~~2~~3 Sheet(s)
Project: Fort McClellan Landfill/Fill Area Investigations	Location: Calhoun County, Alabama	
Name of Equipment Operator: David Ayala	Manufacture's Designation of Heavy Equipment: CAT 320B	
Sizes and Types of Equipment Used: LEL/O_2 meter, PID, Trackhoe excavator, Level C PPE	Trench Location: Landfill No. 1	
	Surface Elevation: TBD	
	Date Started: 2/21/00	Date Completed: 2/21/00
Overburden Thickness: >6.0'	Depth Groundwater Encountered: N/A	
Depth Rock Encountered: N/A	Total Depth of Trench: 6.0'	Trench Length: 59.0'
Disposition of Trench:	Backfilled: X	Geologist: Denton Hill

Landfill/Fill Area Location Sketch/Comments — Scale: (not to scale)



Project: Fort McClellan Landfill/Fill Area Investigations	Trench Number: T78-4

TBD = To be determined

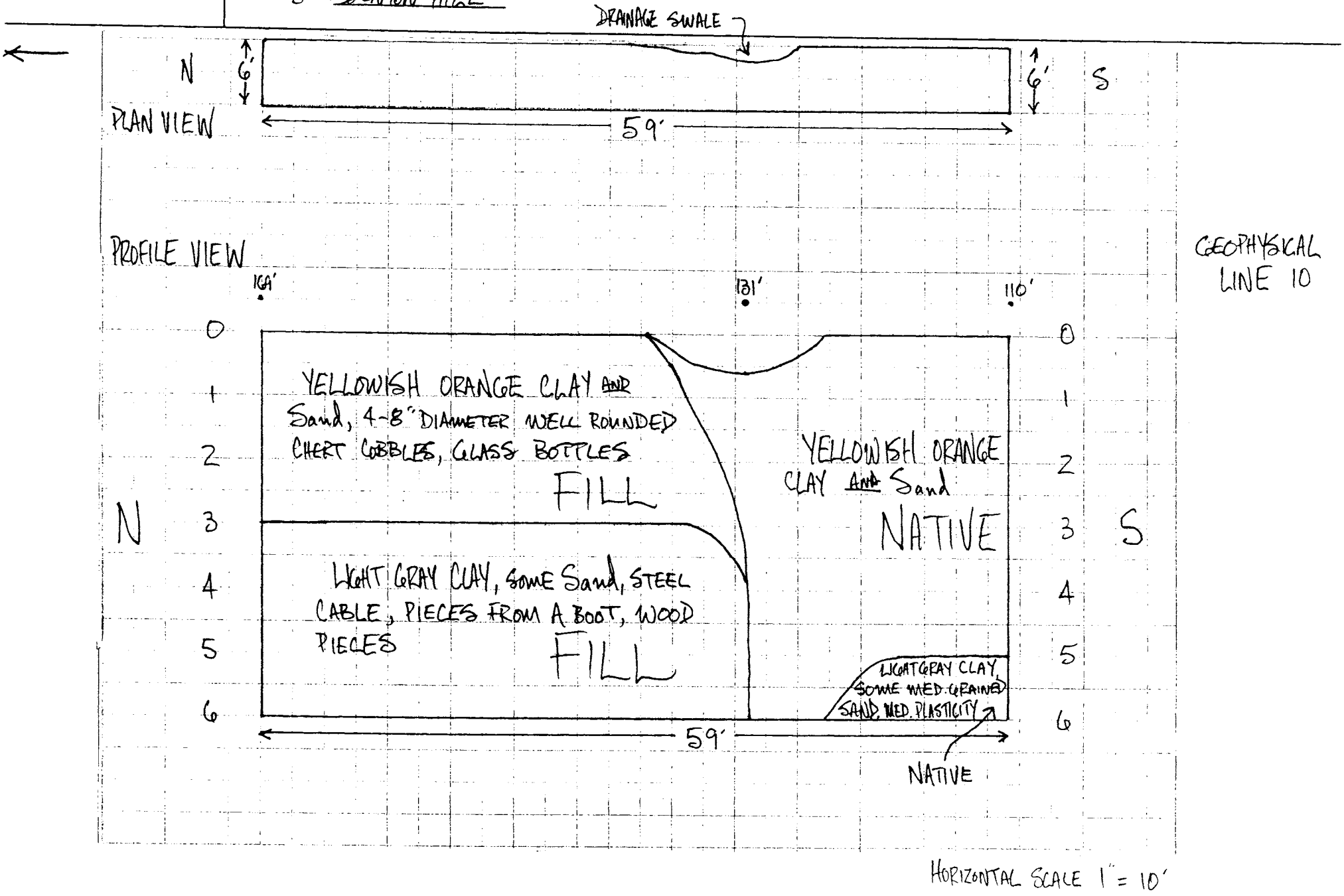
N/A = Not Applicable

Test Pit Classification Log

Project: Fort McClellan, SAD TERC
Parcel# 78(6)
Date: 2/21/00
* Provide Sketch of Sidewall
Geologist: DENTON HILL

Tr Location: T78-4
Equipment used: CAT 320 TRACKHOE

Excavation size:
59' X 3' X 6' = 1,062
Length Width Depth Volume FT³



TEST PIT CLASSIFICATION LOG

(continuation sheet)

~~Parcel~~ Trench Number: T78-4

Project: Fort McClellan, SAD TERC

Geologist: Denton Hill

Sheet 3 of 3 Sheets

Elev (ft)	Depth (ft) bgs	Description of Materials	USCS/ Litho	Field Screening Results (ppm)	COMMENTS
	0	Yellowish orange CLAY and SAND, 4"-8" diameter well rounded chert cobbles. Fill	SC		
	1				
	2				glass bottle at 1.5' bgs on SE wall
	3	light gray CLAY, some Sand. Fill	CL		Steel cable, pieces from a boot, wood pieces Fill is located in the north section of the trench as shown on page 2 of this log (T78-4).
	4				
	5				
	6				Bottom of trench at 6' bgs

Project Fort McClellan, SAD TERC

~~Parcel~~ Trench Number T78-4

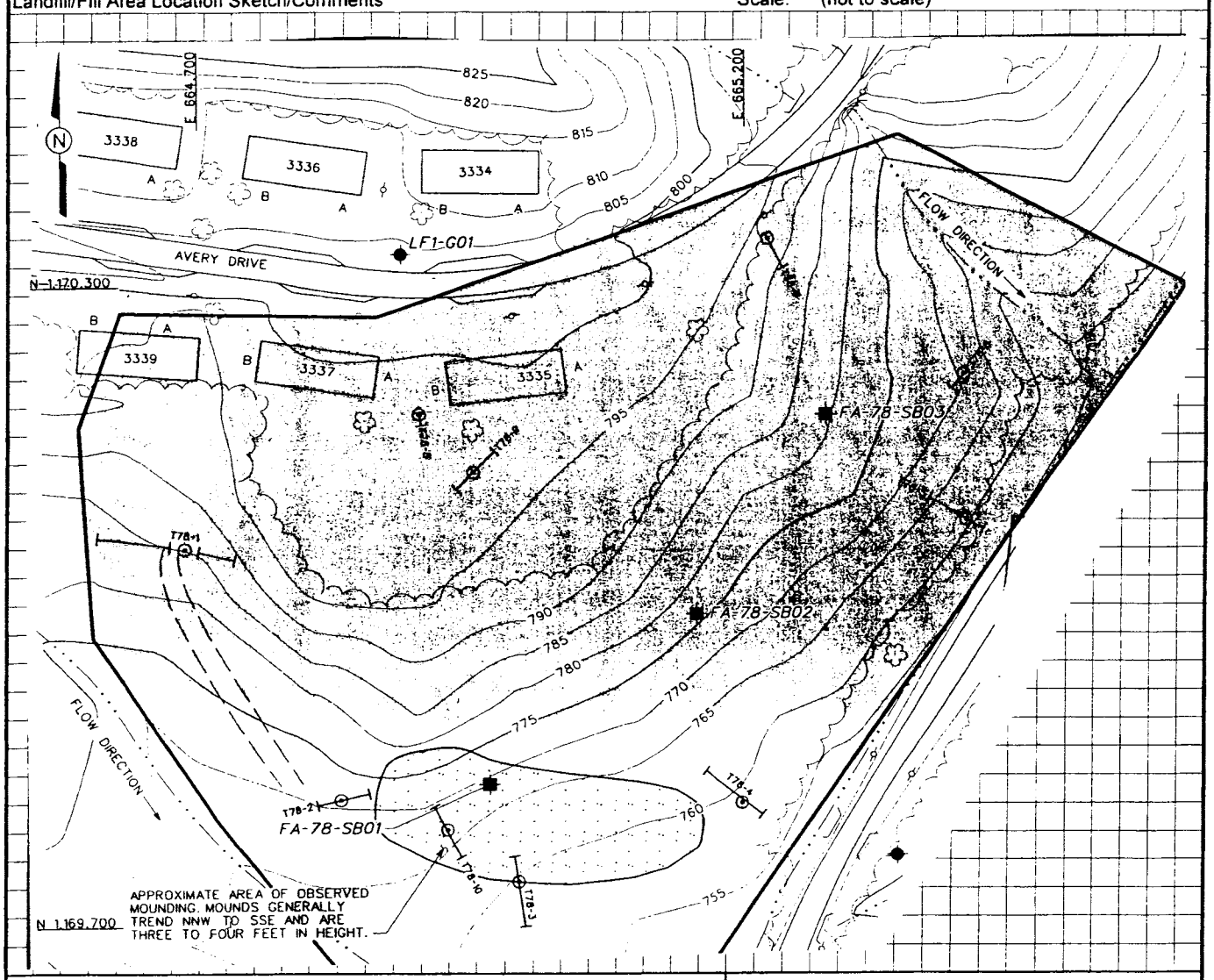
trenchHtrwlog

TRENCH LOG

Trench Number: T78-5

Company Name	IT Corporation
District	Mobile USACE
Sheet	1 of ~~2~~ 3
Project	Fort McClellan Landfill/Fill Area Investigations
Location	Calhoun County, Alabama
Name of Equipment Operator	David Ayala
Manufacture's Designation of Heavy Equipment	CAT 320B
Sizes and Types of Equipment Used	LEL/O_2 meter, PID, Trackhoe excavator, Level C PPE
Trench Location	Landfill No. 1
Surface Elevation	TBD
Date Started	2/21/00
Date Completed	2/21/00
Overburden Thickness	> 8.0'
Depth Groundwater Encountered	N/A
Depth Rock Encountered	N/A
Total Depth of Trench	7.0' to 8.0'
Trench Length	59.0'
Disposition of Trench	
Backfilled	X
Geologist	Denton Hill

Landfill/Fill Area Location Sketch/Comments — Scale: (not to scale)



Project: Fort McClellan Landfill/Fill Area Investigations — Trench Number: T78-5

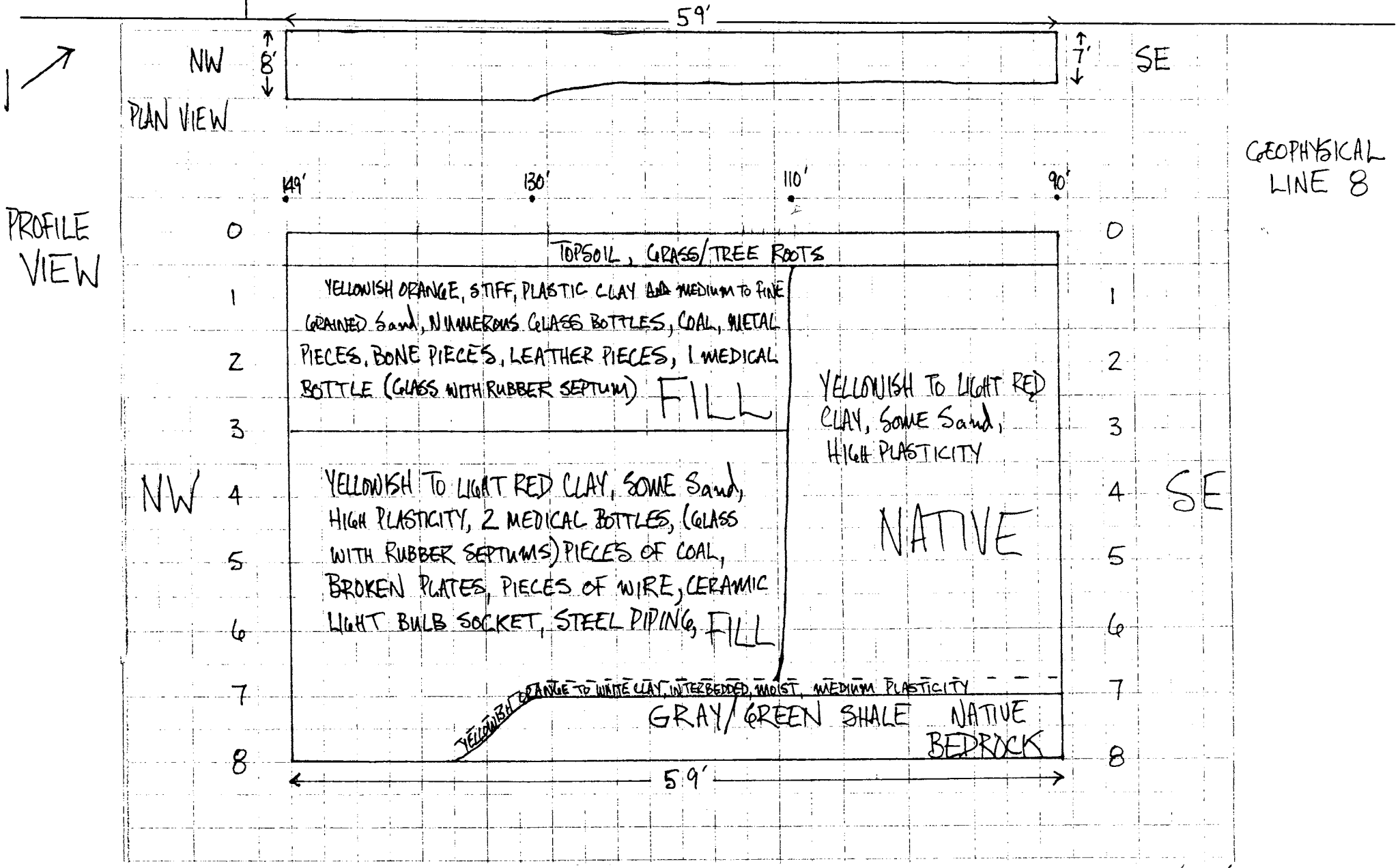
TBD = To be determined
N/A = Not Applicable

Test Pit Classification Log

Project: Fort McClellan, SAD TERC
Parcel# 78(6)
Date: 2/21/00
* Provide Sketch of Sidewall
Geologist: DENTON HILL

Tr h Location: T78-5
Equipment used: CAT 320 TRACKHOE

Page 2 of 3 Pages
Excavation size:
59' X 3' X 8' = 1416
Length Width Depth Volume FT3



HORIZONTAL SCALE 1"=10'

TEST PIT CLASSIFICATION LOG

(continuation sheet)

~~Parcel~~ Trench Number: T78-5

Project: Fort McClellan, SAD TERC

Geologist: Denton Hill

Sheet 3 of 3 Sheets

Elev (ft)	Depth (ft) bgs	Description of Materials	USCS/ Litho	Field Screening Results (ppm)	COMMENTS
	0	TOPSOIL, grass/tree roots			
	1	Yellowish orange, stiff, plastic CLAY and medium to fine grained SAND. Fill	SC		Fill: Numerous glass bottles, coal, metal pieces, bone pieces, leather pieces, 1 medical bottle (glass with rubber septum)
	2				
	3	Yellowish to light red CLAY, some Sand, high plasticity.	CL		Fill: 2 medical bottles (glass with rubber septums, pieces of coal, broken plates, pieces of wire, ceramic light bulb socket, steel piping
	4				
	5				Fill is located at the NW section of the trench
	6				
		yellowish orange to white CLAY, moist, medium plasticity.	CL		
	7	gray/green SHALE, native	Sh		
	8				Bottom of trench at 8' bgs

Project Fort McClellan, SAD TERC

~~Parcel~~ Trench Number: T78-5

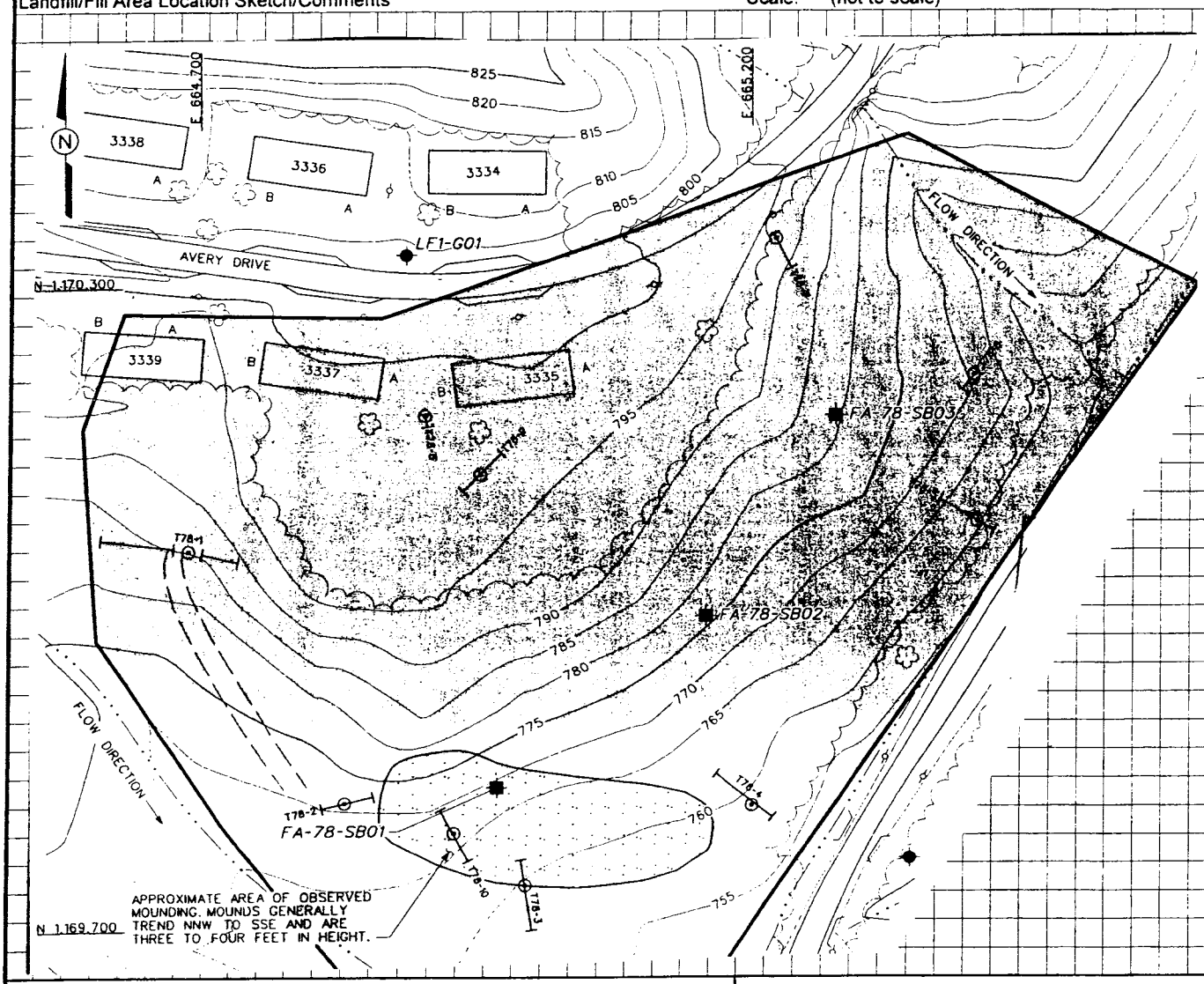
trenchHtrwlog

TRENCH LOG

Trench Number: T78-6

Company Name: IT Corporation	District: Mobile USACE	Sheet: 1 of 3 Sheet(s)	
Project: Fort McClellan Landfill/Fill Area Investigations		Location: Calhoun County, Alabama	
Name of Equipment Operator: David Ayala		Manufacture's Designation of Heavy Equipment: CAT 320B	
Sizes and Types of Equipment Used: LEL/O_2 meter, PID, Trackhoe excavator, Level C PPE		Trench Location: Landfill No. 1	
		Surface Elevation: TBD	
		Date Started: 2/24/00	Date Completed: 2/24/00
Overburden Thickness: > 6.0'		Depth Groundwater Encountered: N/A	
Depth Rock Encountered: N/A	Total Depth of Trench: 6.0'	Trench Length: 22.0'	
Disposition of Trench:	Backfilled: X	Geologist: Denton Hill	

Landfill/Fill Area Location Sketch/Comments — Scale: (not to scale)



Project: Fort McClellan Landfill/Fill Area Investigations — Trench Number: T78-6

TBD = To be determined

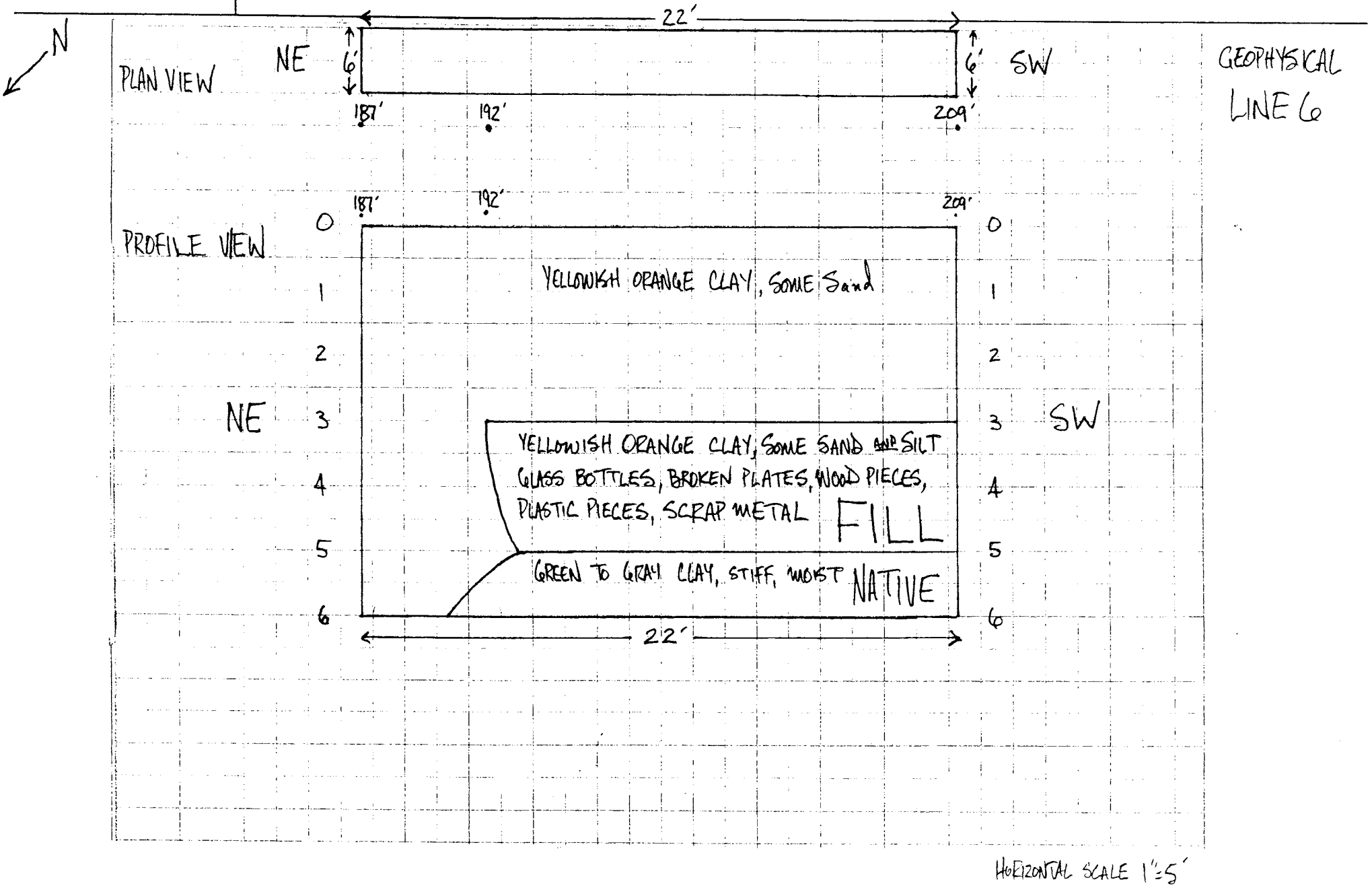
N/A = Not Applicable

Test Pit Classification Log

Project: Fort McClellan, SAD TERC
Parcel# 78(6)
Date: 2/24/00
* Provide Sketch of Sidewall
Geologist: DENTON HILL

T h Location: T 78-6
Eq pment used: CAT 320 TRACKHOE

Page 2 of 3 Pages
Excavation size:
22' X 3' X 6' = 396
Length Width Depth Volume FT3



TEST PIT CLASSIFICATION LOG

(continuation sheet)

Trench ~~Parcel~~ Number: T78--6

Project: Fort McClellan, SAD TERC

Geologist: Denton Hill

Sheet 3 of 3 Sheets

Elev (ft)	Depth (ft) bgs	Description of Materials	USCS/ Litho	Field Screening Results (ppm)	COMMENTS
	0	Yellowish orange CLAY, Some Sand.	CL		
	1				
	2				
	3	Yellowish orange CLAY, Some Sand and Silt, Fill	CL		Fill: glass bottles, broken plates, wood pieces, plastic pieces, scrap metal, The fill is located at the last 17' on the SW End of the trench
	4				
	5	green to gray CLAY, stiff moist. Native	CL		
	6				Bottom of trench at 6' bgs

Project Fort McClellan, SAD TERC

Trench ~~Parcel~~ Number T78--6

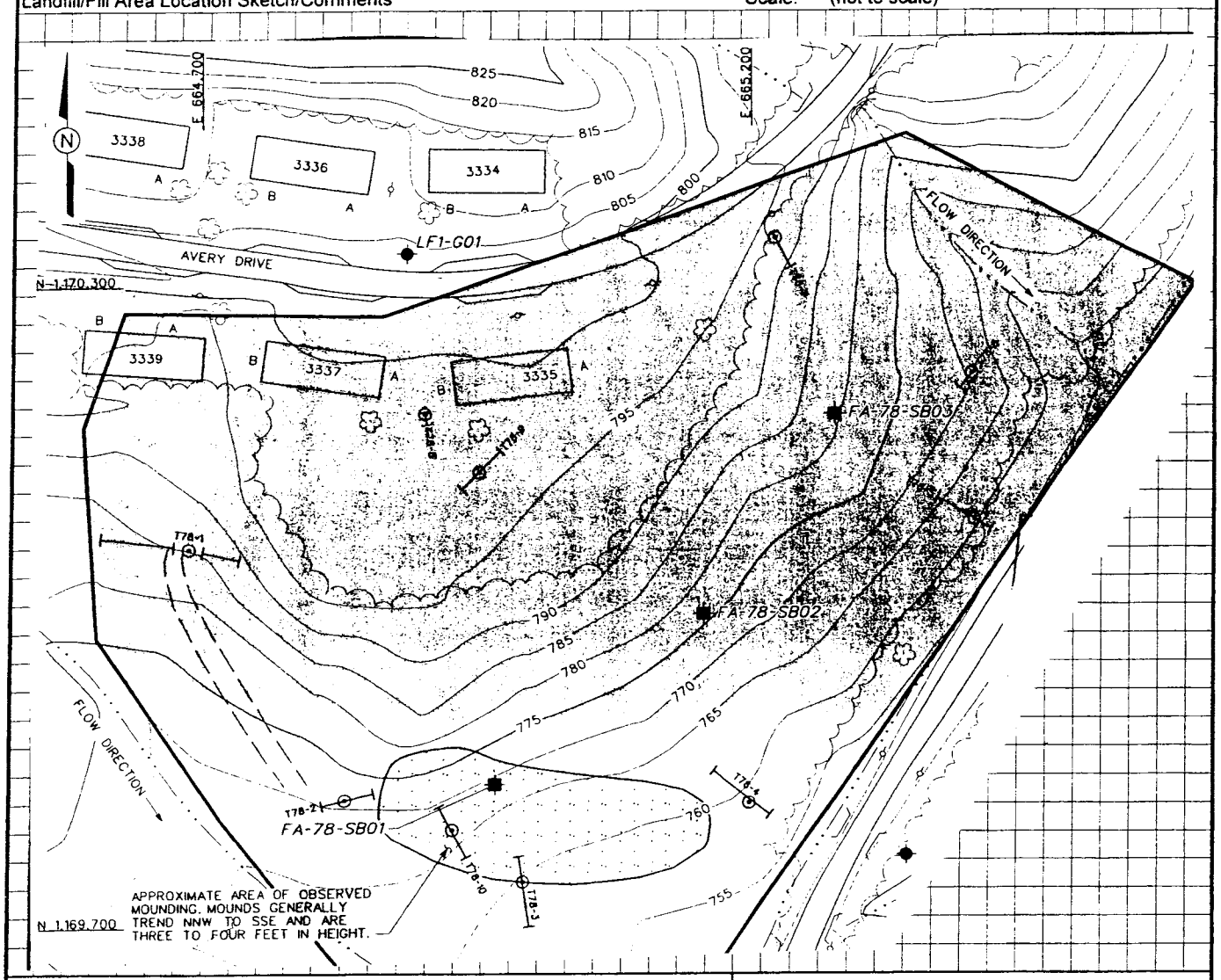
trenchHtrwlog

TRENCH LOG

Trench Number: T78-7

Company Name: IT Corporation	District: Mobile USACE	Sheet 1 of ~~2~~ 3 Sheet(s)
Project: Fort McClellan Landfill/Fill Area Investigations	Location: Calhoun County, Alabama	
Name of Equipment Operator: David Ayala	Manufacture's Designation of Heavy Equipment: CAT 320B	
Sizes and Types of Equipment Used: LEL/O_2 meter, PID, Trackhoe excavator, Level C PPE	Trench Location: Landfill No. 1	
	Surface Elevation: TBD	
	Date Started: 2/24/00	Date Completed: 2/24/00
Overburden Thickness: >10.0'	Depth Groundwater Encountered: N/A	
Depth Rock Encountered: N/A	Total Depth of Trench: 10.0'	Trench Length: 30.0'
Disposition of Trench:	Backfilled: X	Geologist: Denton Hill

Landfill/Fill Area Location Sketch/Comments — Scale: (not to scale)



Project: Fort McClellan Landfill/Fill Area Investigations	Trench Number: T78-7

TBD = To be determined

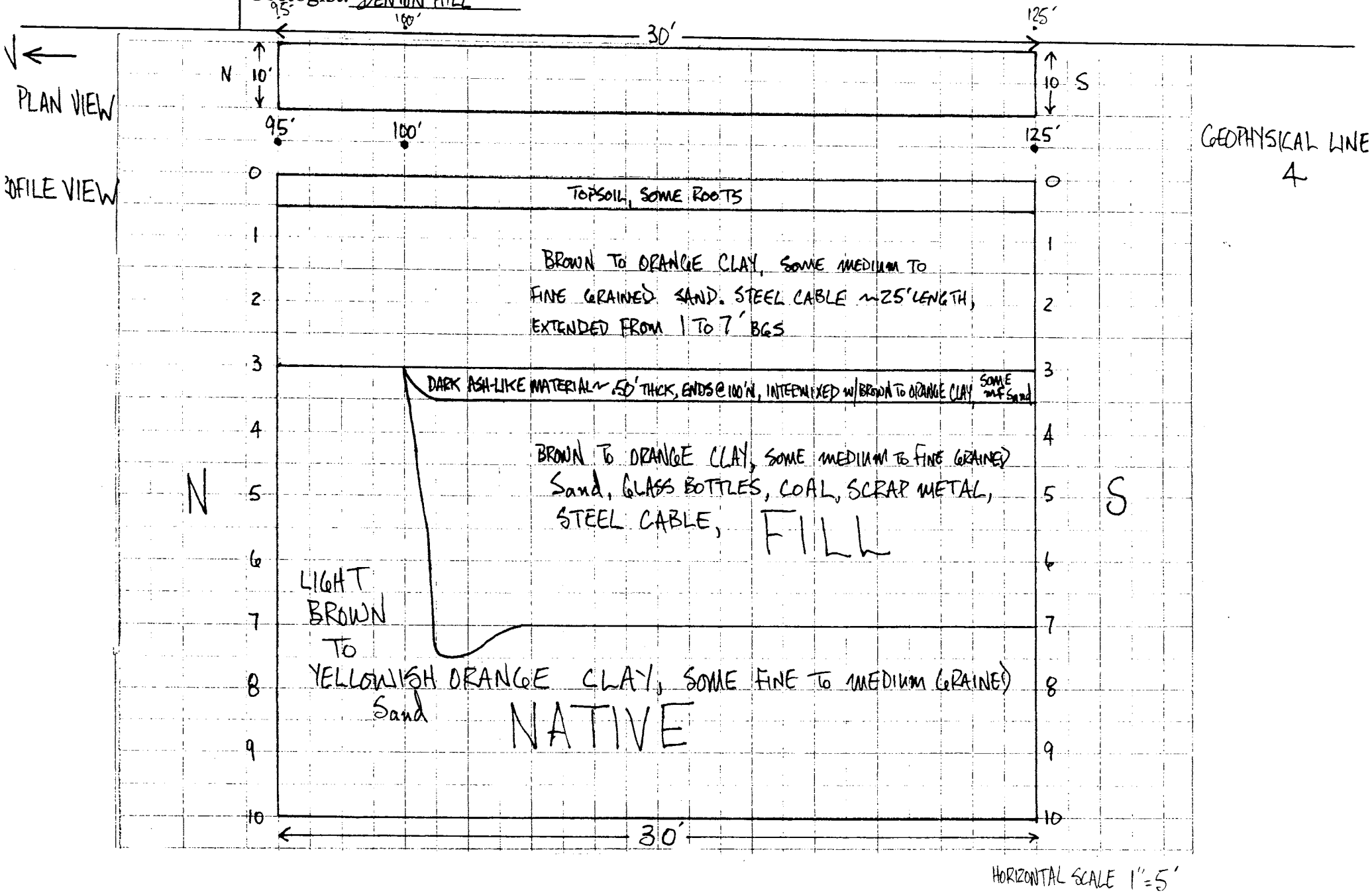
N/A = Not Applicable

Test Pit Classification Log

Project: Fort McClellan, SAD TERC
Parcel# 78(6)
Date: 2/24/00
* Provide Sketch of Sidewall
Geologist: DENTON HILL

T. .h Location: T78-7
Equipment used: CAT 320 TRACKHOE

Page 2 of 3 Pages
Excavation size:
30' X 3' X 10' = 900
Length Width Depth Volume FT3 (92)



TEST PIT CLASSIFICATION LOG

(continuation sheet)

~~Parcel~~ Trench Number: T78-7

Project: Fort McClellan, SAD TERC

Geologist: Denton Hill

Sheet 3 of 3 Sheets

Elev (ft)	Depth (ft) bgs	Description of Materials	USCS/ Litho	Field Screening Results (ppm)	COMMENTS
	0	TOPSOIL, Some ROOTS			
	1	brown to orange CLAY, Some medium to fine grained Sand	CL		Steel cable ~25' length extends from 1 – 7' bgs
	2				
	3	brown to orange CLAY, Some medium to fine grained Sand, Fill	CL		Fill: glass bottles, coal, Scrap metal, Steel cable A 0.5' thick layer of dark ash like material intermixed with brown to orange clay, Some medium to fine Sand over lies the fill, The fill is 25' section of the S Section of the trench.
	4				
	5				
	6				
	7	light brown to yellowish orange CLAY, Some fine to medium grained Sand NATIVE			
	8				
	9				
	10				Bottom of Trench @ 10' bgs

Project Fort McClellan, SAD TERC

~~Parcel~~ Trench Number: T78-7

trenchHtrwlog

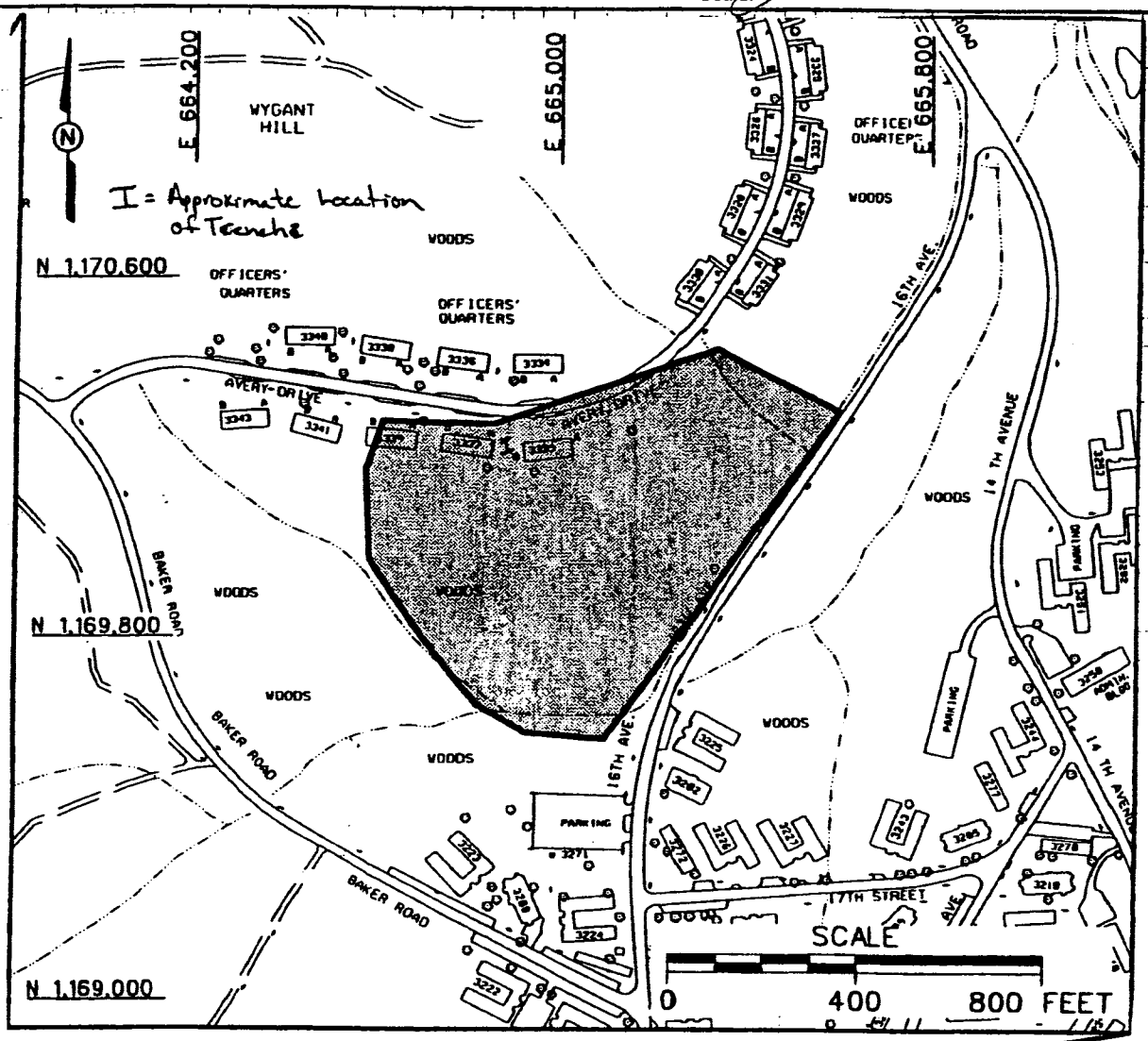
COPY

SEP 6 2000

TRENCH LOG	District: Mobile USACE	Trench Number: T78-8
Company Name: IT Corporation		Sheet 1 of ~~2~~ 3 Sheets

Project: Fort McClellan, SAD TERC, Landfill/Fill Area Invest.	Location: Calhoun County, Anniston, Alabama
Name of Equipment Operator: Carlos Cook	Manufacturer's Designation of Equipment: CAT 320L
Sizes and Types of Equipment: 2 pickup Trucks; 1 Track Hoe; LEL/O2 meter; PID; FID; FYVER SAMNEX Level 'C' PPE Equipment	Trench Location: Landfill 1 (exact location to be determined)
	Surface Elevation: To be determined
	Date Started: 8/21/00 — Date Completed: 8/21/00
Overburden Thickness: UNKnown	Total Depth of Trench: 8.0 feet
Depth Rock Encountered: Not Encountered	Total Length of Trench: 19.0 feet
Disposition of Trench: 326° — Backfilled: Yes w/ Trench Material	Signature of Geologist: [signature]

Location Sketch/Comments — Scale:



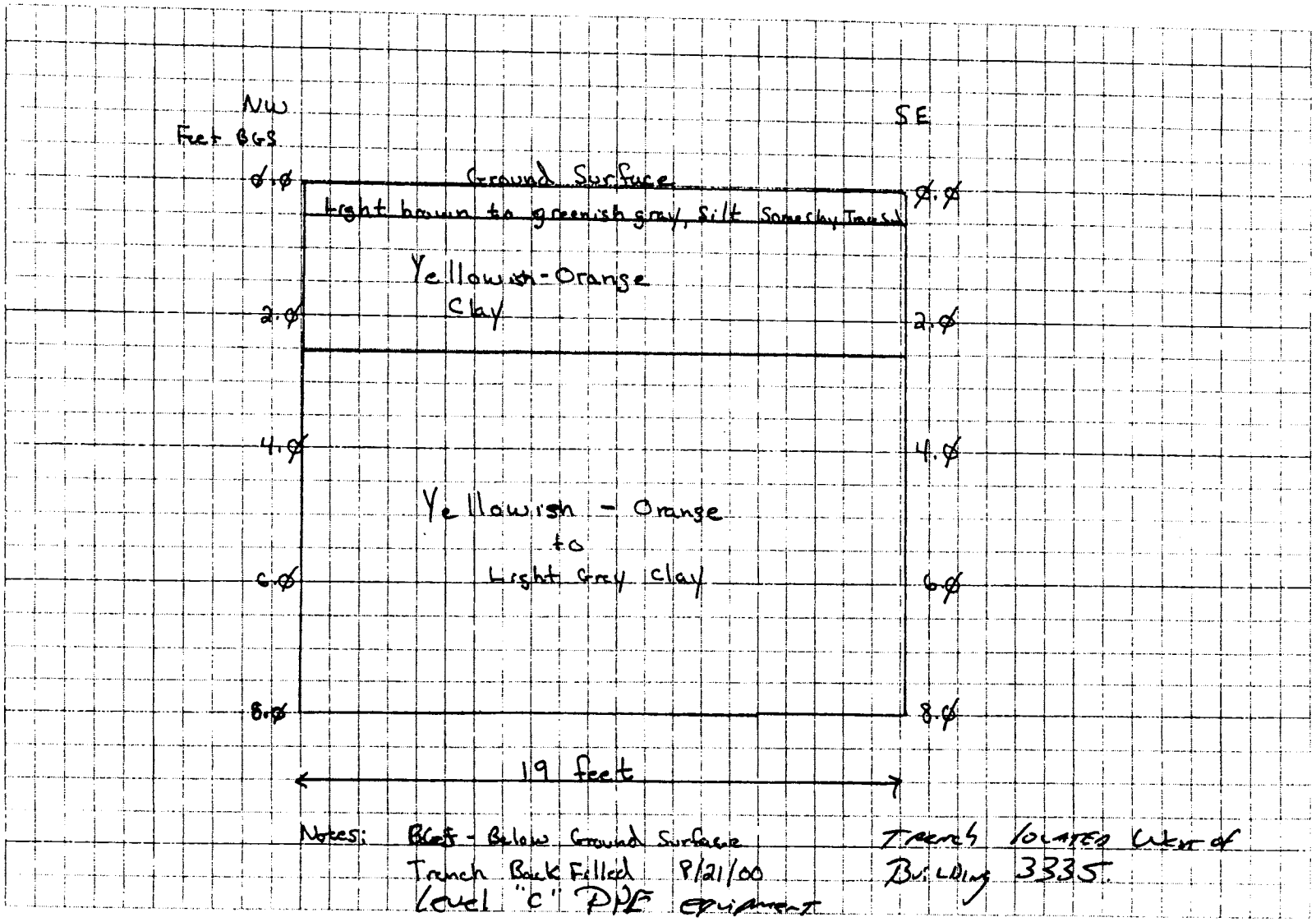
Project	Trench Number
Fort McClellan, SAD TERC, Landfill/Fill Area Investigation	T78-8

Test Pit Classification Log

Project: Fort McClellan, SAD TERC
Parcel# 78(6)
Date: 8/21/00
* Provide Sketch of Sidewall
Geologist: Jonathan Reno

Trench Location: T78-8
Equipment used: Trench Hoe CAT 320L

Page 1 of ~~1~~ 3 Pages
Excavation size:
19.0' X 3.0' X 8.0' = 456 ft³
Length Width Depth Volume



Notes: BGS - Below Ground Surface
Trench Back Filled 8/21/00
Level "C" PPE Equipment

Trench located West of Building 3335.

COPY
SEP 6 2000

COPY

SEP 6 2000

TRENCH CLASSIFICATION LOG (continuation sheet)			Trench Number: T78-8
Project: Fort McClellan, SAD TERC		Geologist: J. Remo	Sheet 3 of 3 Sheet(s)

Elev (ft)	Depth (ft) bgs	Description of Materials	USCS/ Litho	Field Screening Results (ppm)	COMMENTS
	0.5	Light brown to greenish gray, Silt, Some Clay, Trace Sand	ML	0.0	PID and LEL measurements were monitored @ Ground Surface. No dectections above background were made by the PID or LEL meters.
	1.0, 1.5, 2.0, 2.5, 3.0	Yellowish-Orange Clay	CL		- No fill materials present in trench. Soils appears to be residium ~~(residual)~~ (native soil).
	3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 7.5, 8.0	Yellowish-orange to light gray, Damp	CL		- Fill boundry appears to between north end of presious T78-8 trench boundry & southern end of this trench near Storm Drain.
		End of Trench			

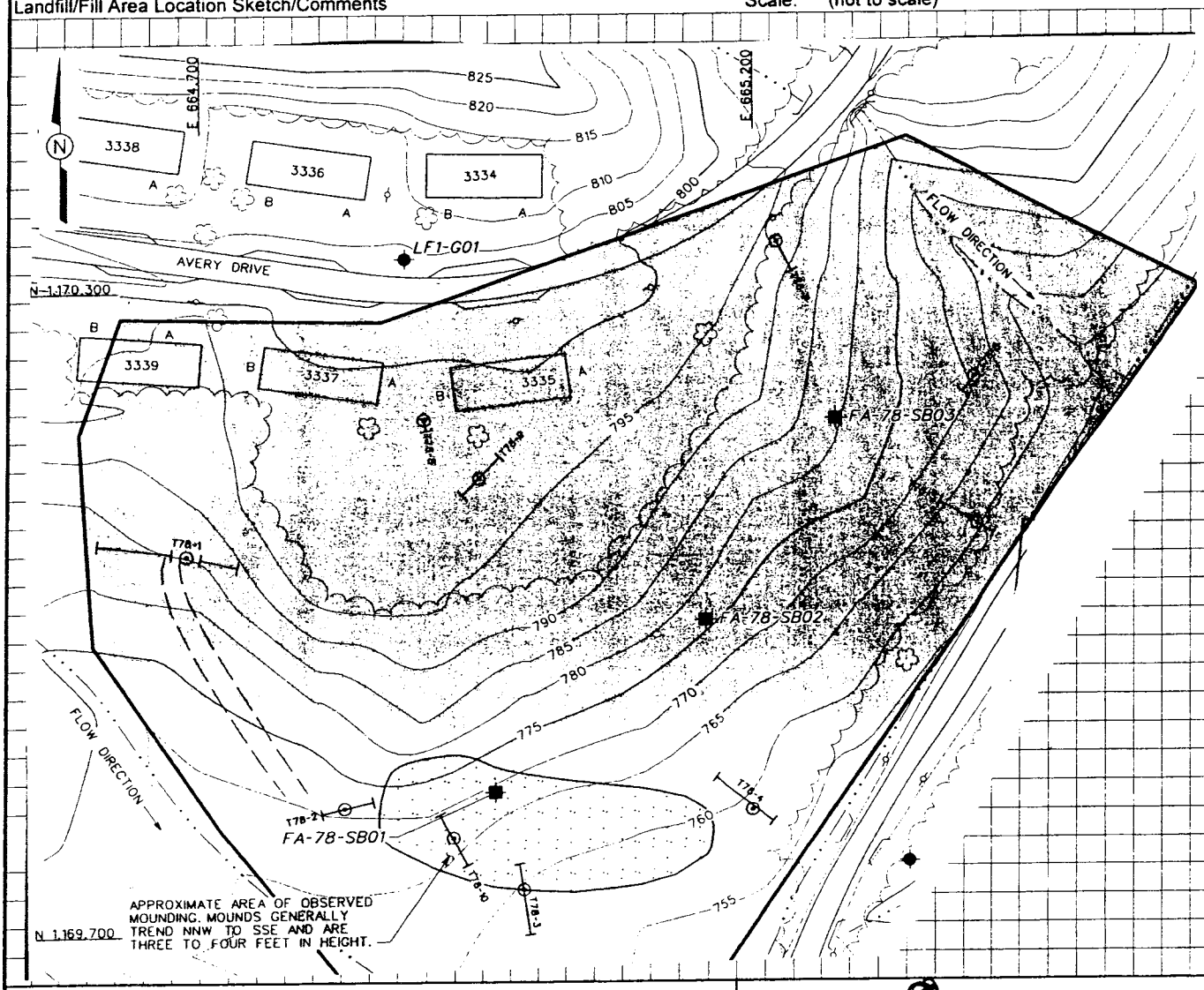
Project Fort McClellan, SAD TERC | Trench Number: T78-8

TRENCH LOG

Trench Number: T78-~~8~~ 9

Company Name: IT Corporation	District: Mobile USACE	Sheet 1 of ~~2~~3 Sheet(s)
Project: Fort McClellan Landfill/Fill Area Investigations	Location: Calhoun County, Alabama	
Name of Equipment Operator: David Ayala	Manufacture's Designation of Heavy Equipment: CAT 320B	
Sizes and Types of Equipment Used: LEL/O_2 meter, PID, Trackhoe excavator, Level C PPE	Trench Location: Landfill No. 1	
	Surface Elevation: TBD	
	Date Started: 2/23/00	Date Completed: 2/23/00
Overburden Thickness: >6.0'	Depth Groundwater Encountered: N/A	
Depth Rock Encountered: N/A	Total Depth of Trench: 6.0'	Trench Length: 50.0'
Disposition of Trench:	Backfilled: X	Geologist: Denton Hill

Landfill/Fill Area Location Sketch/Comments — Scale: (not to scale)



Project: Fort McClellan Landfill/Fill Area Investigations

Trench Number: T78-~~8~~ 9

TBD = To be determined

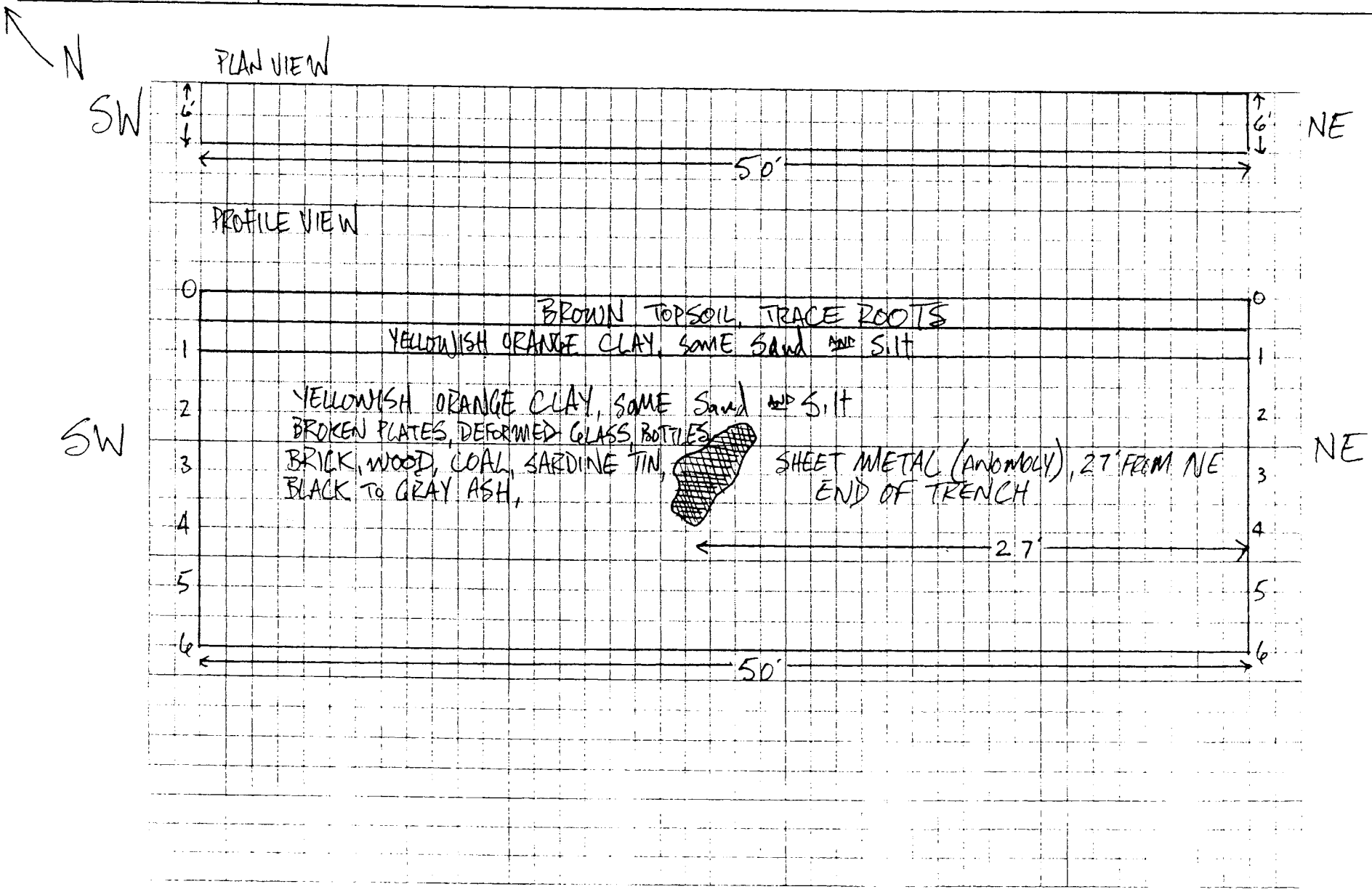
N/A = Not applicable

Test Pit Classification Log

Project: Fort McClellan, SAD TERC
Parcel# 78(6)
Date: 2/23/00
* Provide Sketch of Sidewall
Geologist: DENTON HILL

Trench Location: 7 78-9
Equipment used: CAT 320 TRACKHOE

Page 2 of 3 Pages
Excavation size:
50' X 3' X 6' = 900
Length Width Depth Volume FT³



TEST PIT CLASSIFICATION LOG

(continuation sheet)

~~Parcel~~ Number: Trench T78-9

Project: Fort McClellan, SAD TERC

Geologist: Denton Hill

Sheet 3 of 3 Sheets

Elev (ft)	Depth (ft) bgs	Description of Materials	USCS/ Litho	Field Screening Results (ppm)	COMMENTS
	0	brown topsoil, trace roots			
		yellowish orange CLAY, some sand and silt.	CL		
	1	Yellowish orange CLAY, some sand and silt. Fill			broken plates, deformed glass, bottles, brick, wood coal, sardine tin, black to gray ash. sheet metal 27' from NE end of trench.
	2				
	3				
	4				
	5				
	6				Bottom of trench at 6' bgs

Project Fort McClellan, SAD TERC

~~Parcel~~ Number Trench T78-9

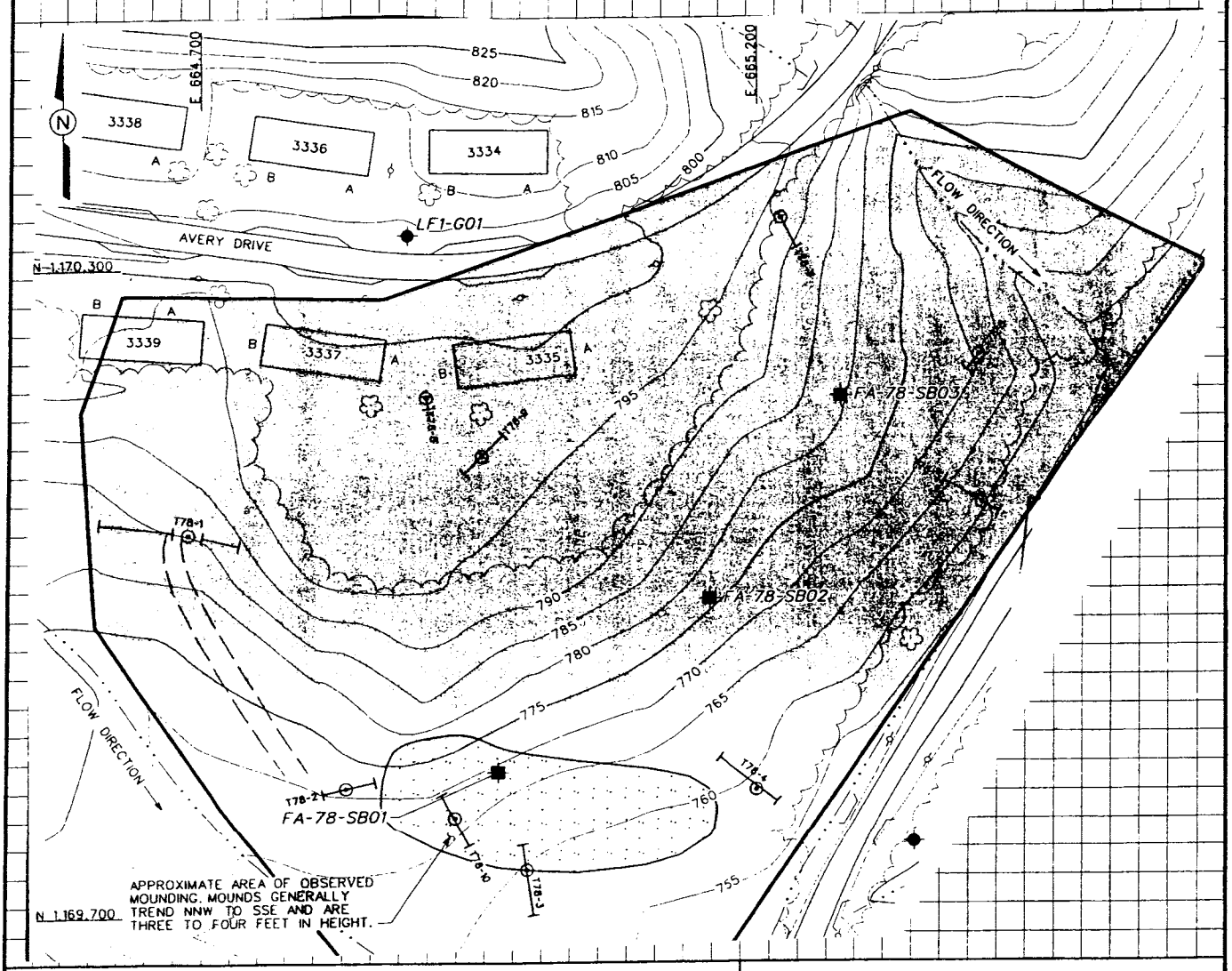
trenchHtrwlog

TRENCH LOG

Trench Number	T78-10
Company Name	IT Corporation
District	Mobile USACE
Sheet	1 of 23 Sheet(s)
Project	Fort McClellan Landfill/Fill Area Investigations
Location	Calhoun County, Alabama
Name of Equipment Operator	David Ayala
Manufacture's Designation of Heavy Equipment	CAT 320B
Sizes and Types of Equipment Used	LEL/O_2 meter, PID, Trackhoe excavator, Level C PPE
Trench Location	Landfill No. 1
Surface Elevation	TBD
Date Started	2/22/00
Date Completed	2/22/00
Overburden Thickness	>10.0'
Depth Groundwater Encountered	N/A
Depth Rock Encountered	N/A
Total Depth of Trench	10.0'
Trench Length	50.0'
Disposition of Trench	
Backfilled	X
Geologist	Denton Hill

Landfill/Fill Area Location Sketch/Comments

Scale: (not to scale)



Project	Fort McClellan Landfill/Fill Area Investigations
Trench Number	T78-10

TBD = To be determined

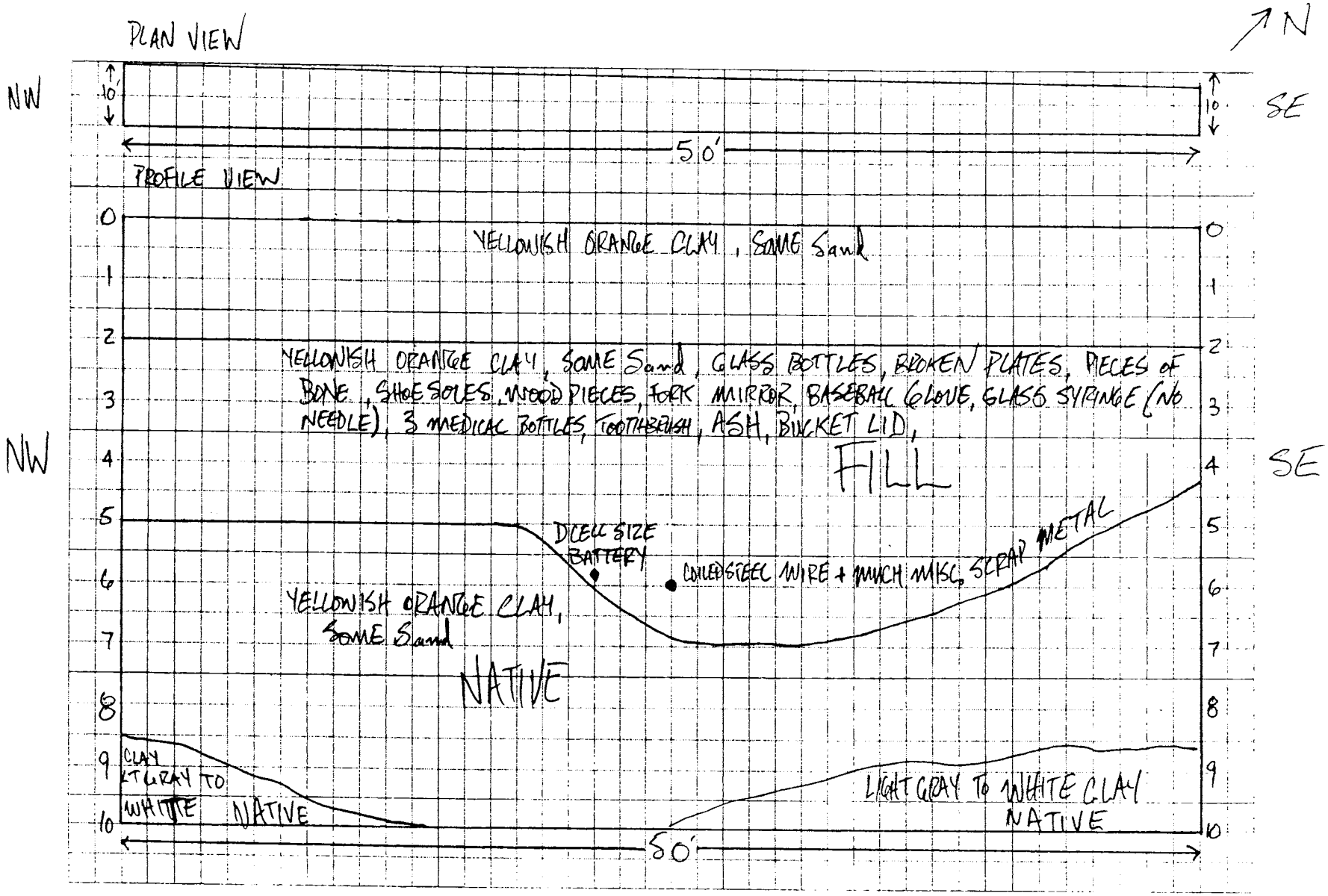
N/A = Not Applicable

Test Pi Classification Log

Project: Fort McClellan, SAD TERC
Parcel# 78(6)
Date: 2/22/00
* Provide Sketch of Sidewall
Geologist: DENTON HILL

T ch Location: T78-10
Equipment used: CAT 320 TRACKHOE

Excavation size:
50' X 3' X 10' = 1,500 FT 3
Length Width Depth Volume



TEST PIT CLASSIFICATION LOG

(continuation sheet)

~~Parcel~~ Number: Trench T78-10

Project: Fort McClellan, SAD TERC

Geologist: Denton Hill

Sheet 3 of 3 Sheets

Elev (ft)	Depth (ft) bgs	Description of Materials	USCS/ Litho	Field Screening Results (ppm)	COMMENTS
	0	Yellowish orange CLAY, Some Sand	CL		
	1				
	2	yellowish orange CLAY, Some Sand. Fill	CL		Fill: glass bottles, broken plates, pieces of bone, shoe soles, wood pieces, fork, mirror, base ball glove, glass syringe (no needle) 3 medical bottles, tooth brush, Ash, bucket lid
	3				
	4				Fill extends down to ~7' bgs near the center and SE Section of Trench. A "D" cell size battery and coiled steel wire and misc. scrap metal was identified in this area.
	5	yellowish orange CLAY, Some Sand. Native			
	6				
	7				
	8				
	9	light gray to white CLAY. Native			
	10				Bottom of Trench at 10' bgs

~~Project~~ Fort McClellan, SAD TERC

~~Parcel~~ Number Trench T78-10

trenchHtrwlog

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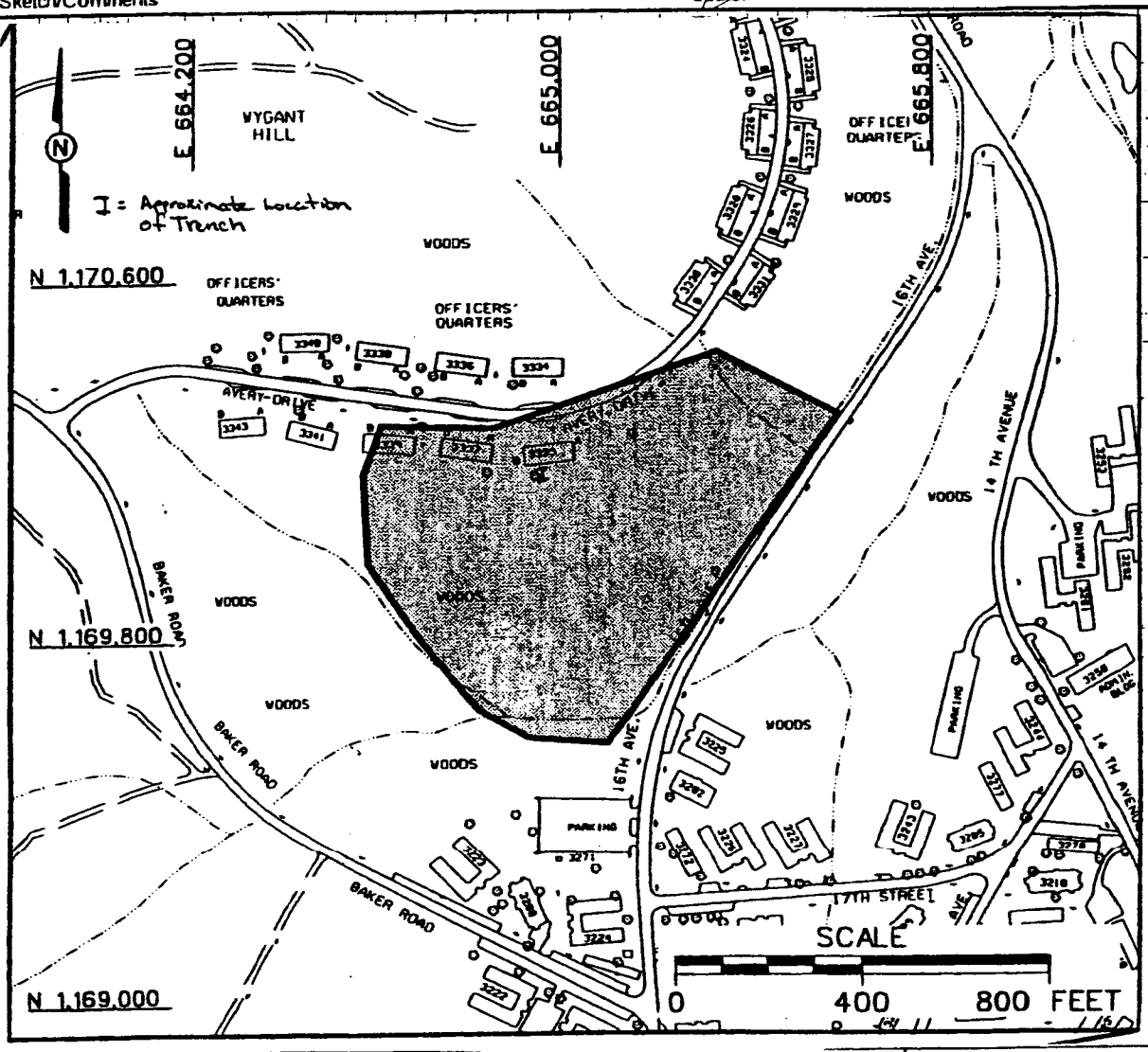
TRENCH LOG	District: Mobile USACE	Trench Number: T78-11
Company Name: IT Corporation		Sheet 1 of 3 Sheets

Project: Fort McClellan, SAD TERC, Landfill/Fill Area Invest.	Location: Calhoun County, Anniston, Alabama
Name of Equipment Operator: Carlos Cook	Manufacturer's Designation of Equipment: CAT 320L
Sizes and Types of Equipment: 2 pick up Trucks, 1 Track Hoe	Trench Location: Land Fill 1 (exact location to be determined)
LEL/O2 meter, PID, FID, Saranex Level "C" PPE Equipment	Surface Elevation: To be determined
	Date Started: 8/21/00 — Date Completed: 8/21/00
Overburden Thickness: Un Known	Total Depth of Trench: 7.5'
Depth Rock Encountered: Not Encountered	Total Length of Trench: 16.25
Disposition of Trench: 328° — Backfilled: Yes w/ Trench materials	Signature of Geologist: Jonathan W. Rowe

Location Sketch/Comments — Scale:



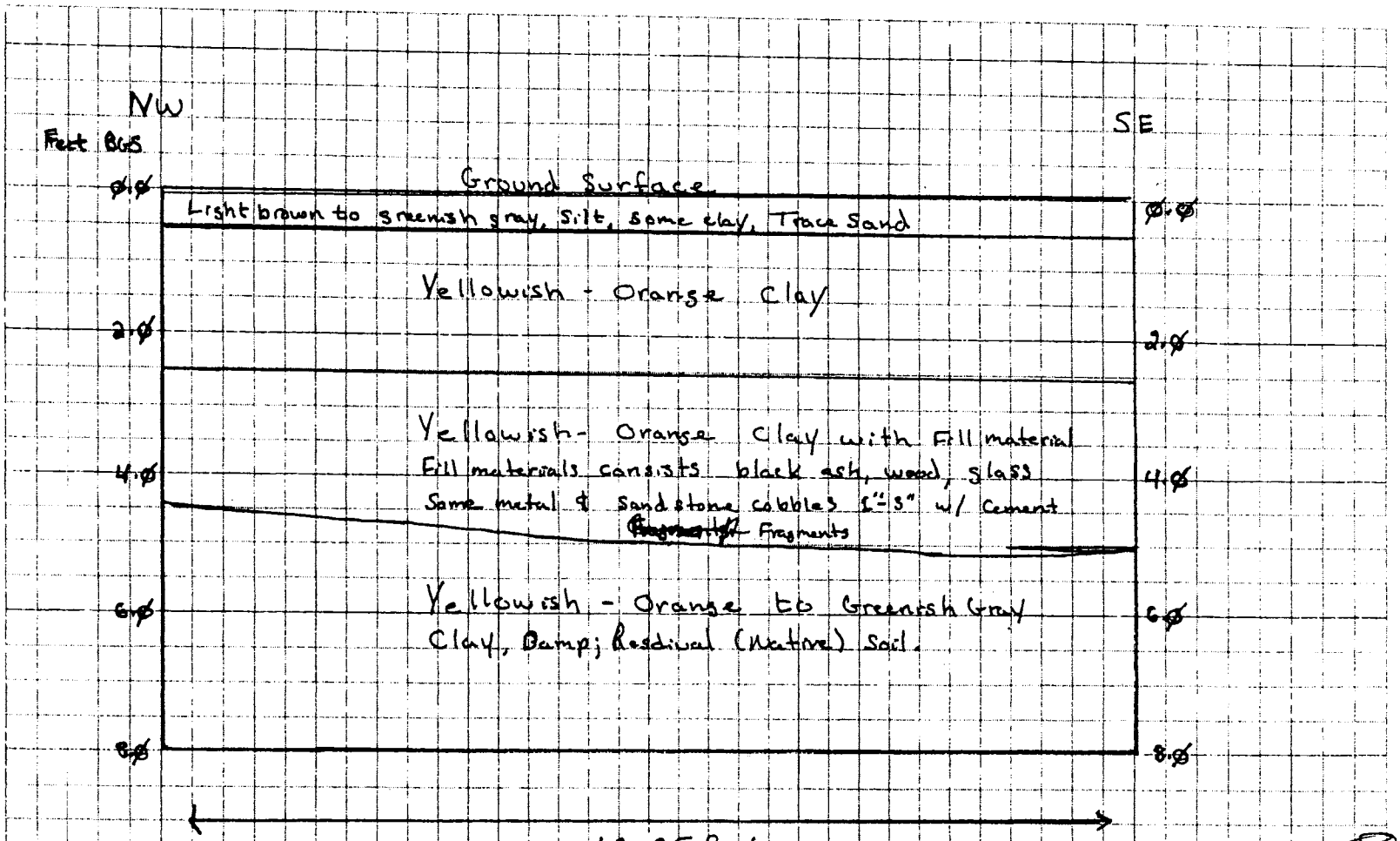
Project: Fort McClellan, SAD TERC, Landfill/Fill Area Investigation	Trench Number: T78-11

Test Pit Classification Log

Project: Fort McClellan, SAD TERC
Parcel# 78 (6)
Date: 8/21/00
* Provide Sketch of Sidewall
Geologist: Jonathan Remo

Trench Location: T78-11
Equipment used: Trackhoe CAT 320L

Page 1 of 1 Pages
Excavation size:
16.25' X 3.0' X 7.5' = 365.6 ft³
Length Width Depth Volume



Notes: Northern End of Trench was approximately 3 feet from edge of Building ~~(2325)~~ 3335.
Fill appears to continue under building ~~(2325)~~ 3335.
Trench Backfilled 8/21/00
BGS = Below Ground Surface.

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TRENCH CLASSIFICATION LOG (continuation sheet)	Trench Number: T 78-11
Project: Fort McClellan, SAD TERC	Geologist: J. Remo
	Sheet 3 of 3 Sheet(s)

Elev (ft)	Depth (ft) bgs	Description of Materials	USCS/ Lithg	Field Screening Results (ppm)	COMMENTS
	0.5	Light brown to greenish gray, Silt, Some Clay, Trace Sand	ML	Ø.Ø	* PID & LEL Measurments were ~~taken~~ monitored @ Ground surface. No dectections above background were made by the PID or LEL meters.
	1.Ø, 1.5, 2.Ø, 2.5, 3.Ø	Yellowish orange Clay, Damp	CL		
	3.5, 4.Ø, 4.5, 5.Ø	Yellowish-orange clay with Fill material, Damp	CL		Fill material consisted of black ash, glass, wood, Some metal & Sandstone cobbles (1"-3") & cement pieces
	5.5, 6.Ø, 6.5, 7.Ø	Yellowish-Orange to Greenish Gray Clay, Damp	CL		Residual (Native) Soil
	7.5	End of Trench			
	8.Ø				

Project Fort McClellan, SAD TERC	Trench Number: T 78-11

Trench Log

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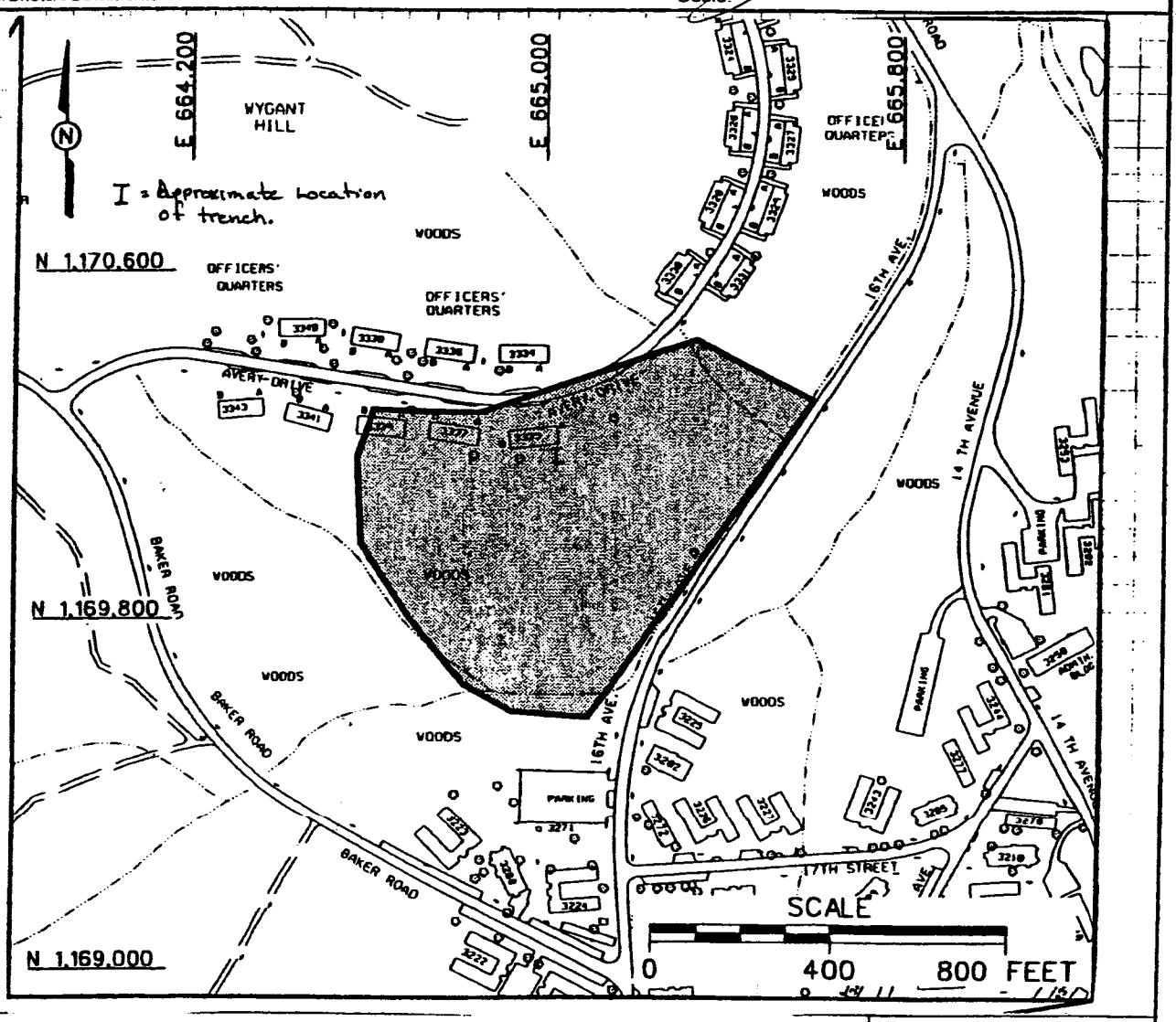
TRENCH LOG	District: Mobile USACE	Trench Number: T78-12
Company Name: IT Corporation		Sheet 1 of 3 Sheets

Project: Fort McClellan, SAD TERC, Landfill/Fill Area Invest.	Location: Calhoun County, Anniston, Alabama
Name of Equipment Operator: Carlos Cook	Manufacturer's Designation of Equipment: CAT 320L
Sizes and Types of Equipment: 2 pick up Trucks, 1 Track Hoe	Trench Location: Former Landfill 1 exact location to be determined
LEL/O2 meter, PID, FID, Smoke, Level C PPE Equipment	Surface Elevation: To be determined
	Date Started: 8/21/00 — Date Completed: 8/21/00
Overburden Thickness: Unknown	Total Depth of Trench: 8.0 feet
Depth Rock Encountered: Not Encountered	Total Length of Trench: 33.0 feet
Disposition of Trench: 350° — Backfilled: Yes w/ Trench Materials	Signature of Geologist: Jonathan W. Rennie

Location Sketch/Comments — Scale:



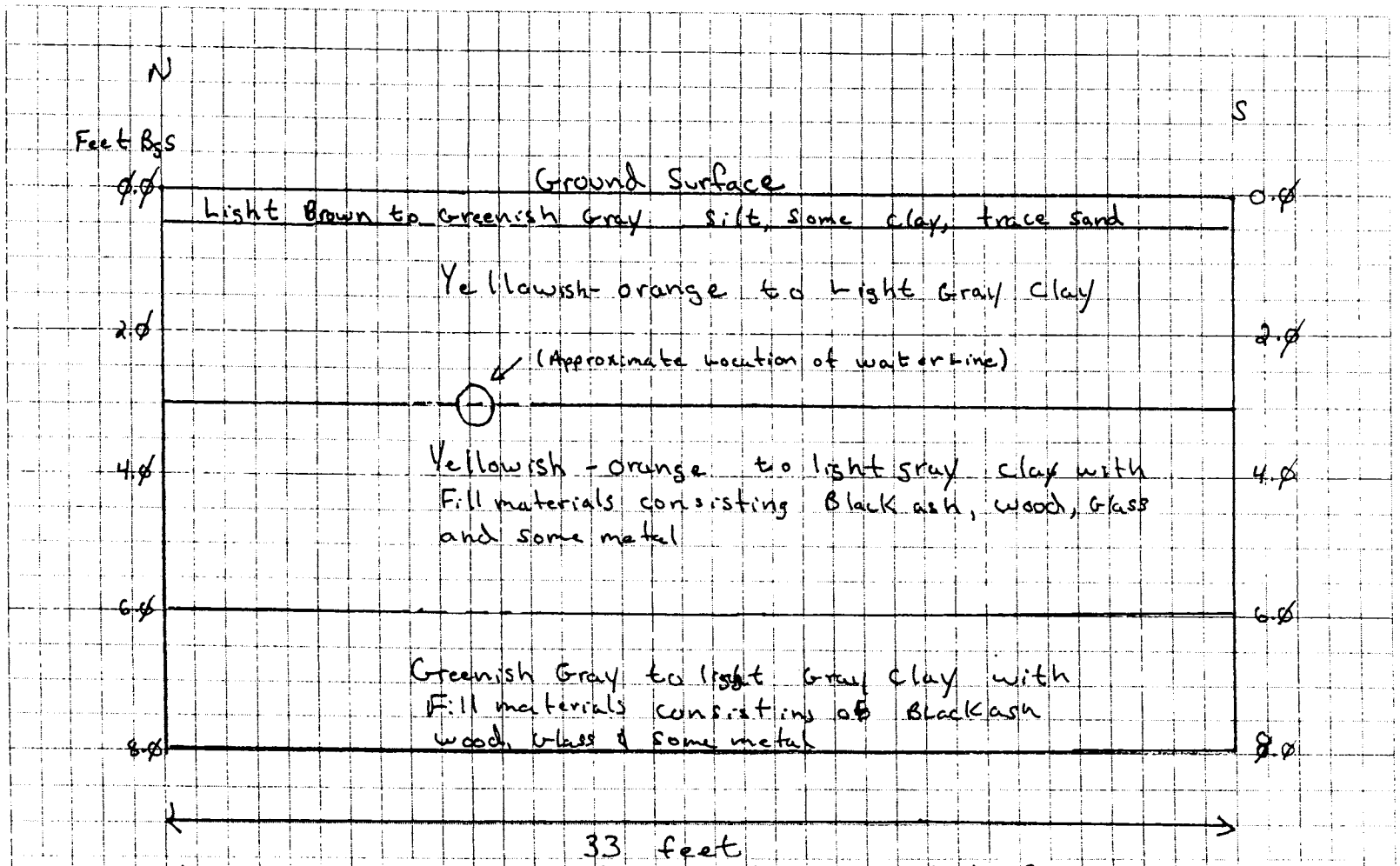
Project: Fort McClellan, SAD TERC, Landfill/Fill Area Investigation	Trench Number: T78-12

Test P Classification Log

Project: Fort McClellan, SAD TERC
Parcel# 78(6)
Date: 8/21/00
* Provide Sketch of Sidewall
Geologist: Jonathan Remo

nch Location: T78-12
Equipment used: 1 Track
Hoe model CAT 320L

Page ~~1 of 1~~ 2 of 3 Pages
Excavation size:
33' X 3' X 8.0 = 792 ft³
Length Width Depth Volume



Notes: Northern Boundry of trench 3 feet from edge of building ~~(3325)~~ 3335 J.T
Fill materials appear to continue under building ~~(3325)~~ 3335 J.T
Trench back Filled 8/21/00
BGS = Below Ground Surface
Trench was excavated and water line. Contact dashed where inferred.

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TRENCH CLASSIFICATION LOG (continuation sheet)	Trench Number: T78-12
Project: Fort McClellan, SAD TERC	Geologist: J. Remo
	Sheet ~~2~~ 3 of ~~2~~ 3 Sheet(s)

Elev (ft)	Depth (ft) bgs	Description of Materials	USCS/ Unit	Field Screening Results (ppm)	COMMENTS
	0.5	Light brown to greenish gray Silt, some clay, trace sand	ML	Ø.Ø	* PID & LEL measurments were taken @ Ground surface. no above background detections by PID or LEL meters.
	1.Ø, 1.5, 2.Ø, 2.5, 3.Ø	Yellowish orange to ~~light~~ Clay	CL		
	3.5, 4.Ø, 4.5, 5.Ø, 5.5, 6.Ø	Yellowish orange to Light gray clay; Damp; Fill material present	CL		Fill materials Found between 3 ft bgs to 8 ft bgs. Fill materials consisted of wood, glass, ash, & some metal.
	6.5, 7.Ø, 7.5	Greenish Gray to Light Gray clay; moist; Fill materal Present.	CL		
	8.Ø	~~Bottom~~ End Depth of Trench			

Project: Fort McClellan, SAD TERC	Trench Number: T78-12

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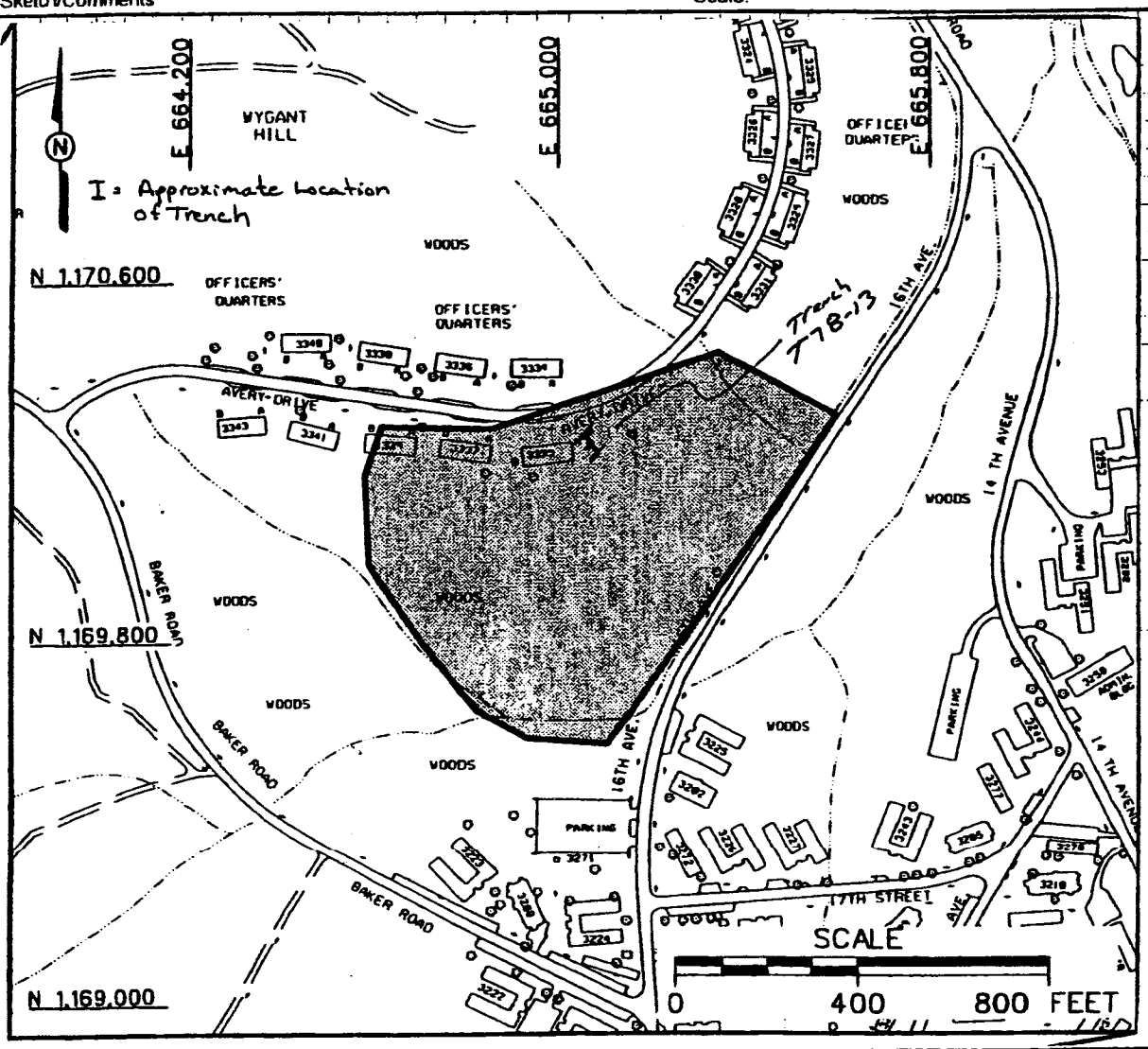
SEP 6 2000

TRENCH LOG	District: Mobile USACE	Trench Number: T78-13
Company Name: IT Corporation		Sheet 1 of 3 Sheets

Project: Fort McClellan, SAD TERC, Landfill/Fill Area Invest.	Location: Calhoun County, Anniston, Alabama
Name of Equipment Operator: Carlos Cook	Manufacturer's Designation of Equipment: CAT 320L
Sizes and Types of Equipment: 2 Pick up Trucks, 1 Track Hoe	Trench Location: Landfill 1. Exact location to be determined
	Surface Elevation: To be Determined
	Date Started: 8/21/00 — Date Completed: 8/21/00
Overburden Thickness: Unknown	Total Depth of Trench: Approximately 6 feet
Depth Rock Encountered: Not Encountered	Total Length of Trench: 25.6 feet
Disposition of Trench: 330° — Backfilled: Yes w/ Trench materials	Signature of Geologist: J. Remo

Location Sketch/Comments — Scale:



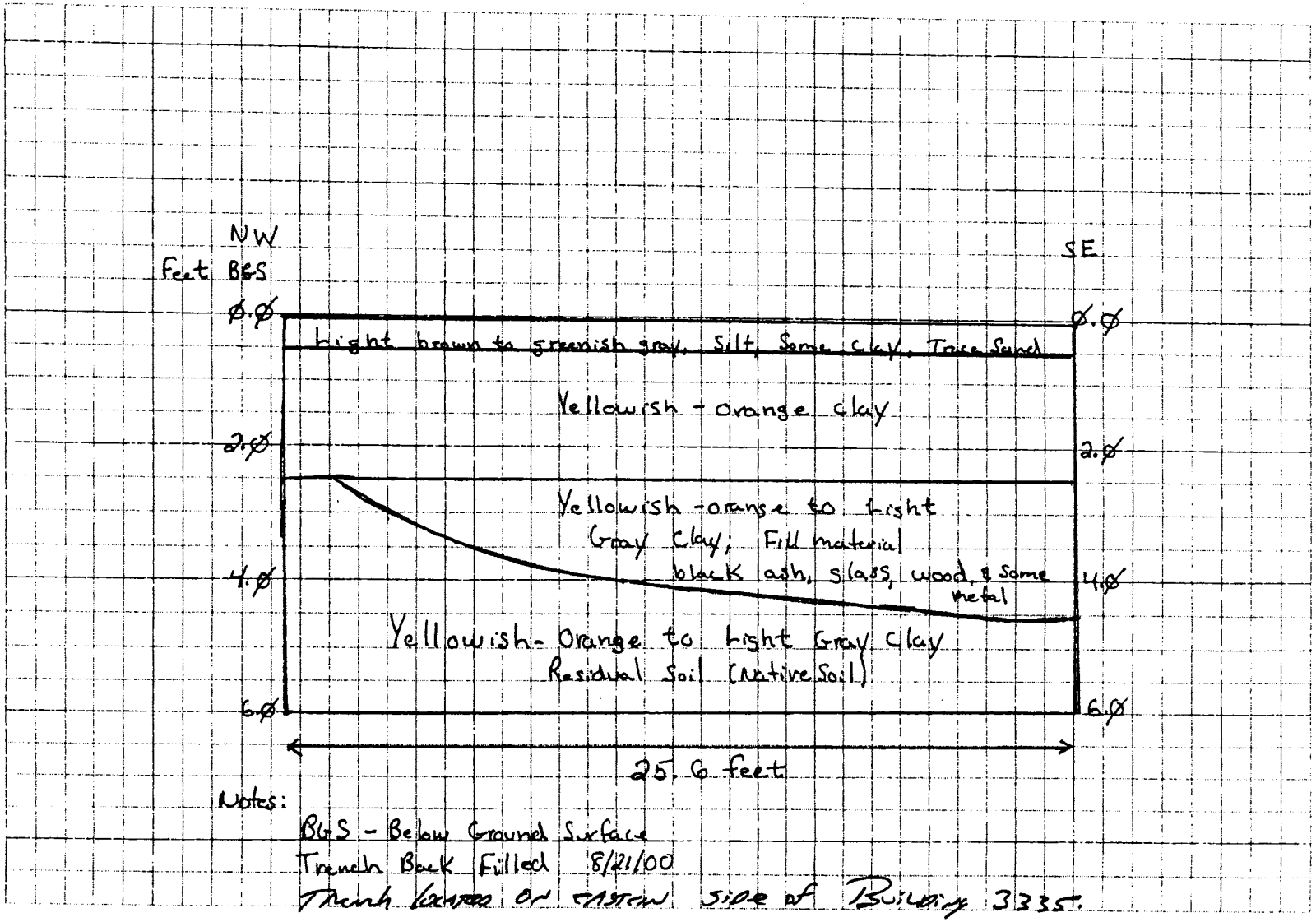
Project	Trench Number
Fort McClellan, SAD TERC, Landfill/Fill Area Investigation	T78-13

Test Pit Classification Log

Project: Fort McClellan, SAD TERC
Parcel# 78(6)
Date: 8/21/00
* Provide Sketch of Sidewall
Geologist: Jonathan Reno

Trench Location: T78+13
Equipment used: 1 Track Hoe
Model CAT 320L

Page 1 of 1 Pages
Excavation size:
25.6 X 3.0 X 6.0 = 460.8 ft³
Length Width Depth Volume



Notes:
BGS - Below Ground Surface
Trench Back Filled 8/21/00
Trench located on East side of Building 3335.

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SEP 6 2000

TRENCH CLASSIFICATION LOG (continuation sheet)	Trench Number: T78-13
Project: Fort McClellan, SAD TERC	Geologist: J. Remo
	Sheet 2 of 2 Sheet(s) 3

Elev (ft)	Depth (ft) bgs	Description of Materials	USCS/ Litho	Field Screening Results (ppm)	COMMENTS
	0.0	Light brown to greenish gray Silt, Some Clay, Trace Sand	ML	0.0	* PID & LEL measurements were monitored @ Ground Surface. No detections above background reading were indicated by the PID or LEL
	0.5				
	1.0	Yellowish-Orange Clay	CL		
	1.5				
	2.0				
	2.5				
	3.0	Yellowish-orange to Light Gray clay, Damp with Fill material ~~Residual Clay~~	CL		Fill consisted of black ash, slass, wood, & Some metal
	3.5				
	4.0				
	4.5				
	5.0	Yellowish-Orange to Lish Gray clay Residual (Native) Soil	CL		
	5.5				
	6.0	End of Trench			
	6.5				
	7.0				
	7.5				
	8.0				

Project Fort McClellan, SAD TERC	Trench Number: T78-13

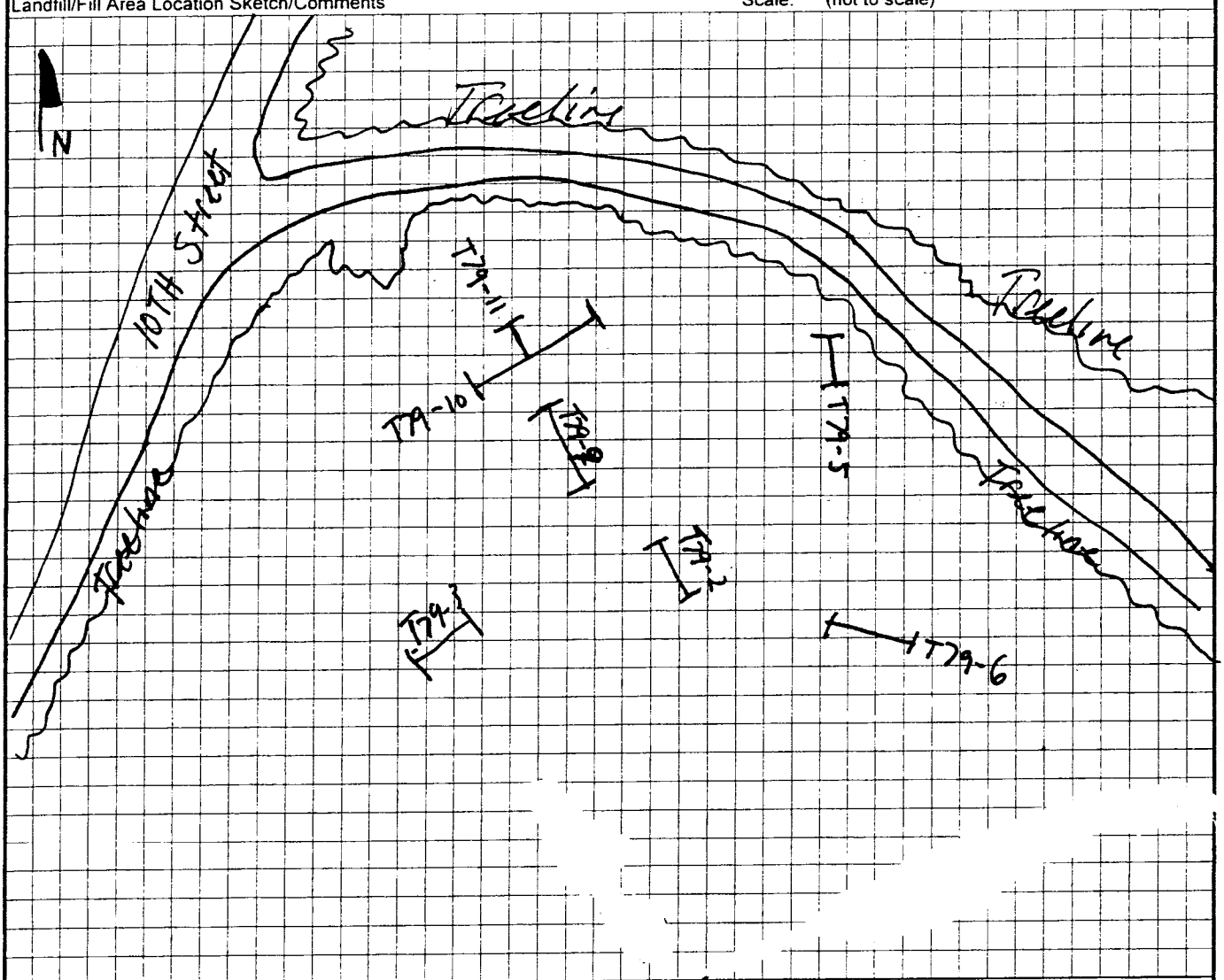
Trench Log

TRENCH LOG

Trench Number: T79-1

Company Name: IT Corporation	District: Mobile USACE	Sheet 1 of 23 Sheet(s)
Project: Fort McClellan Landfill/Fill Area Investigations	Location: Calhoun County, Alabama	
Name of Equipment Operator: David Ayala	Manufacture's Designation of Heavy Equipment: CAT 320B	
Sizes and Types of Equipment Used: LEL/O_2 Meter, PID	Trench Location: Land fill No. 2	
Trackhoe excavator, Level C PPE.	Surface Elevation: TBD	
	Date Started: 3/1/00	Date Completed: 3/1/00
Overburden Thickness: > 3.0'	Depth Groundwater Encountered: N/A	
Depth Rock Encountered: N/A	Total Depth of Trench: 3.0'	Trench Length: 29.0'
Disposition of Trench:	Backfilled: X	Geologist: Denton Hill

Landfill/Fill Area Location Sketch/Comments — Scale: (not to scale)



Project: Fort McClellan Landfill/Fill Area Investigations	Trench Number: T79-1

TBD - To be determined.
N/A - Not applicable

Test Pit Classification Log

Project: Fort McClellan, SAD TERC
Parcel# 79(7)
Date: 3/1/00
* Provide Sketch of Sidewall
Geologist: DENTON HILL

Tre Location: T79-1
Equipment used: CAT 320B TRACKHOE

Page ~~1 of 1~~ 2 of 3 Pages
Excavation size:
29 X 3 X 3 = 261 Ft^3
Length Width Depth Volume

GRID END POINTS 329N, 450E

GRID END POINTS 300N, 450E

N

PLAN VIEW

N

3'

29'

3'

S

TOPOGRAPHIC SURFACE

PROFILE VIEW

322N - FILL ENDS

0 LIGHT BROWN SAND, MED TO FINE GRAINED, LITTLE SILT.

1 BROWN TO LIGHT GREEN SILT AND SAND.

2 YELLOWISH-ORANGE CLAY, MED PLASTICITY, SL MOIST.

3

FILL MATERIAL: BRICKS, ASH GLASS WOOD

29

22'

N

S

NOTES: PER RATIONAL TABLE 3-4, TRENCH WAS EXCAVATED TO DETERMINE HORIZONTAL EXTENT OF FILL MATERIAL TO THE NORTH.
NO DETECTIONS ABOVE BACKGROUND WITH PID, LEL, OR FID
TRENCH BACKFILLED 3/1/00

ES

TEST PIT CLASSIFICATION LOG

(continuation sheet)

~~Parcel~~ Trench Number: T79-1

Project: Fort McClellan, SAD TERC

Geologist: Denton Hill

Sheet 2 of 2 Sheets

3 of 3

Elev (ft)	Depth (ft) bgs	Description of Materials	USCS/ Litho	Field Screening Results (ppm)	COMMENTS
	0	light brown SAND, medium to fine grained, little SILT	Sm	0.0	
		brown to light green SILT and SAND	Sm		
	1	Yellowish orange CLAY, med Plasticity, slightly moist. Fill			Fill: bricks, ash, glass, wood located just 22' of South end of Trench
	2				
	3				Bottom of Trench at 3' bgs

Project: Fort McClellan, SAD TERC

~~Parcel~~ Trench Number: T79-1

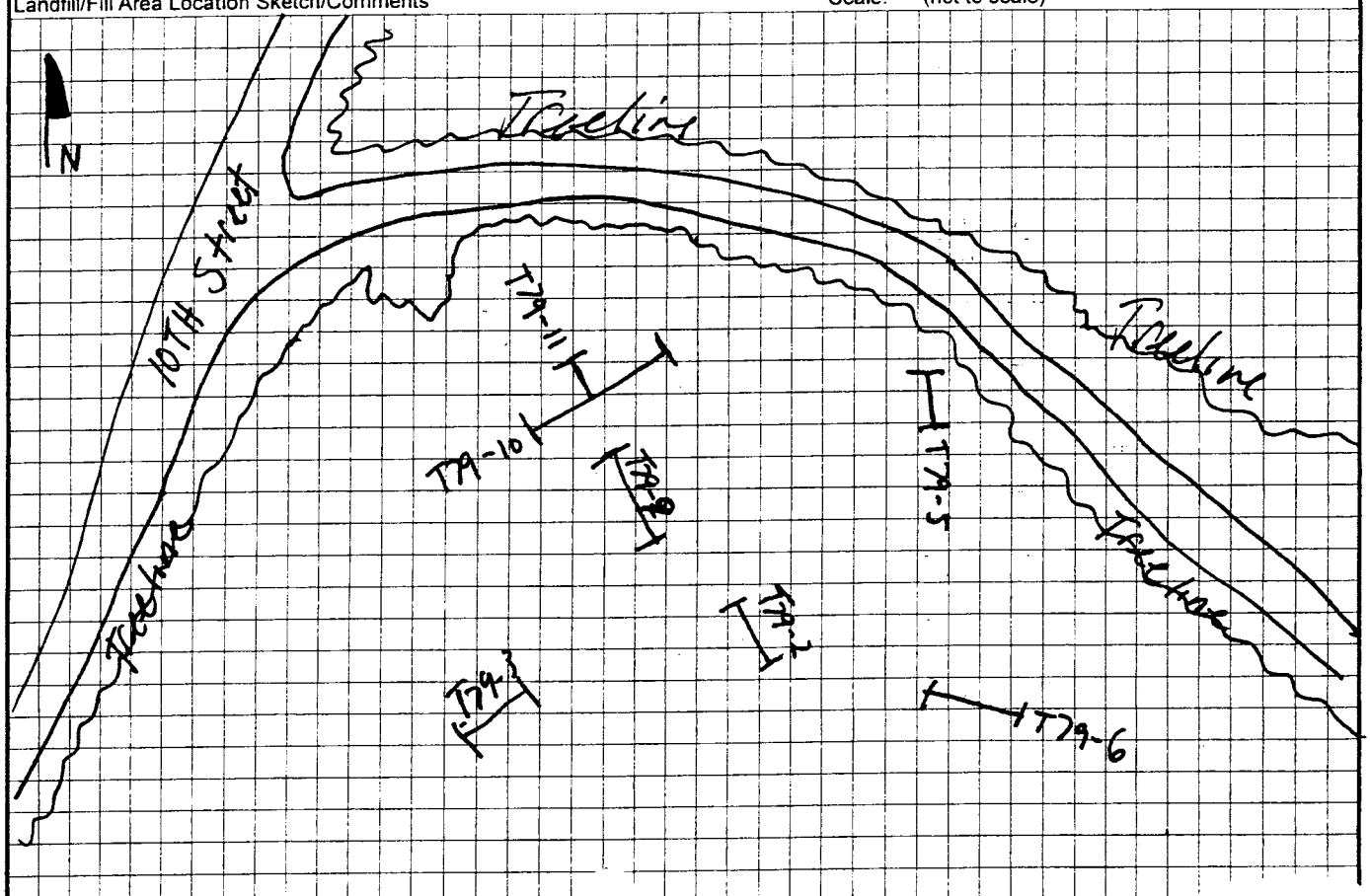
trenchHtrwlog

TRENCH LOG

Trench Number: T79-2

Company Name: IT Corporation	District: Mobile USACE	Sheet 1 of 3 Sheet(s)
Project: Fort McClellan Landfill/Fill Area Investigations	Location: Calhoun County, Alabama	
Name of Equipment Operator: David Ayala	Manufacture's Designation of Heavy Equipment: CAT 320B	
Sizes and Types of Equipment Used: LEL/O_2 Meter, PID	Trench Location: Land fill No. 2	
Trackhoe excavator, Level C PPE.	Surface Elevation: TBD	
	Date Started: 3/1/00	Date Completed: 3/1/00
Overburden Thickness: >3.0'	Depth Groundwater Encountered: N/A	
Depth Rock Encountered: N/A	Total Depth of Trench: 3.0'	Trench Length: 61.0'
Disposition of Trench:	Backfilled: X	Geologist: Denton Hill

Landfill/Fill Area Location Sketch/Comments — Scale: (not to scale)



Project: Fort McClellan Landfill/Fill Area Investigations	Trench Number: T79-2

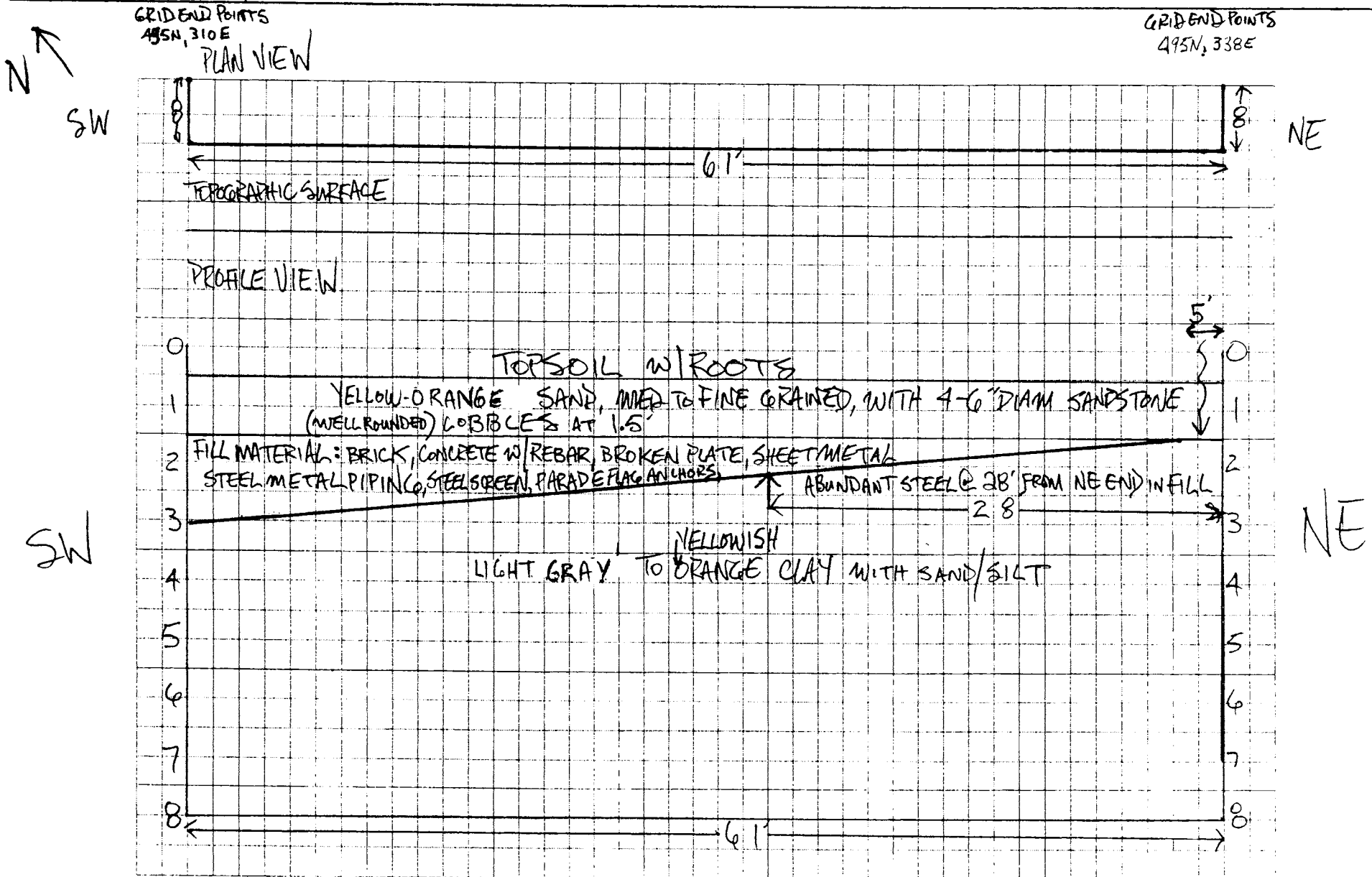
TBD- To be determined.
N/A- Not applicable.

Test Pit Classification Log

Project: Fort McClellan, SAD TERC
Parcel# 79(7)
Date: 3/1/00
* Provide Sketch of Sidewall
Geologist: DENTON HILL

Trench Location: T79-2
Equipment used: CAT 320B TRACKHOE

Page 2 of 3 Pages
Excavation size:
61 X 3 X 3 = 549 FT3
Length Width Depth Volume



NOTES: PER RATIONALE TABLE 3-4, TRENCH WAS EXCAVATED TO DETERMINE HORIZONTAL EXTENT OF FILL NORTHWARD. TRENCH WAS EXTENDED 5' FROM END OF FILL TO THE NE TO BE CERTAIN OF FILL BOUNDARY.
NO DETECTIONS ABOVE BACKGROUND WITH PID, LEL, OR FID.
TRENCH BACKFILLED 3/1/00

TEST PIT CLASSIFICATION LOG

(continuation sheet)

~~Parcel~~ Trench Number: T79-2

Project: Fort McClellan, SAD TERC

Geologist: Denton Hill

Sheet 3 of 3 Sheets

Elev (ft)	Depth (ft) bgs	Description of Materials	USCS/ Litho	Field Screening Results (ppm)	COMMENTS
	0	TOPSOIL with roots		0.0	
	1	Yellowish orange Sand (medium to fine grained, 4-6" diameter Sandstone (well rounded) Cobbles at 1.5'	SP		
	2	FILL			Fill: brick, concrete with rebar, broken plate, sheet metal, steel metal piping, steel screen, parade flag anchors, abundant steel at 28' from NE end of trench.
	3	Yellowish orange to light gray CLAY with sand/SILT	CL		
	4				
	5				
	6				
	7				
	8				Bottom of trench at 8' bgs
	9				
	10				

Project Fort McClellan, SAD TERC

~~Parcel~~ Trench Number T79-2

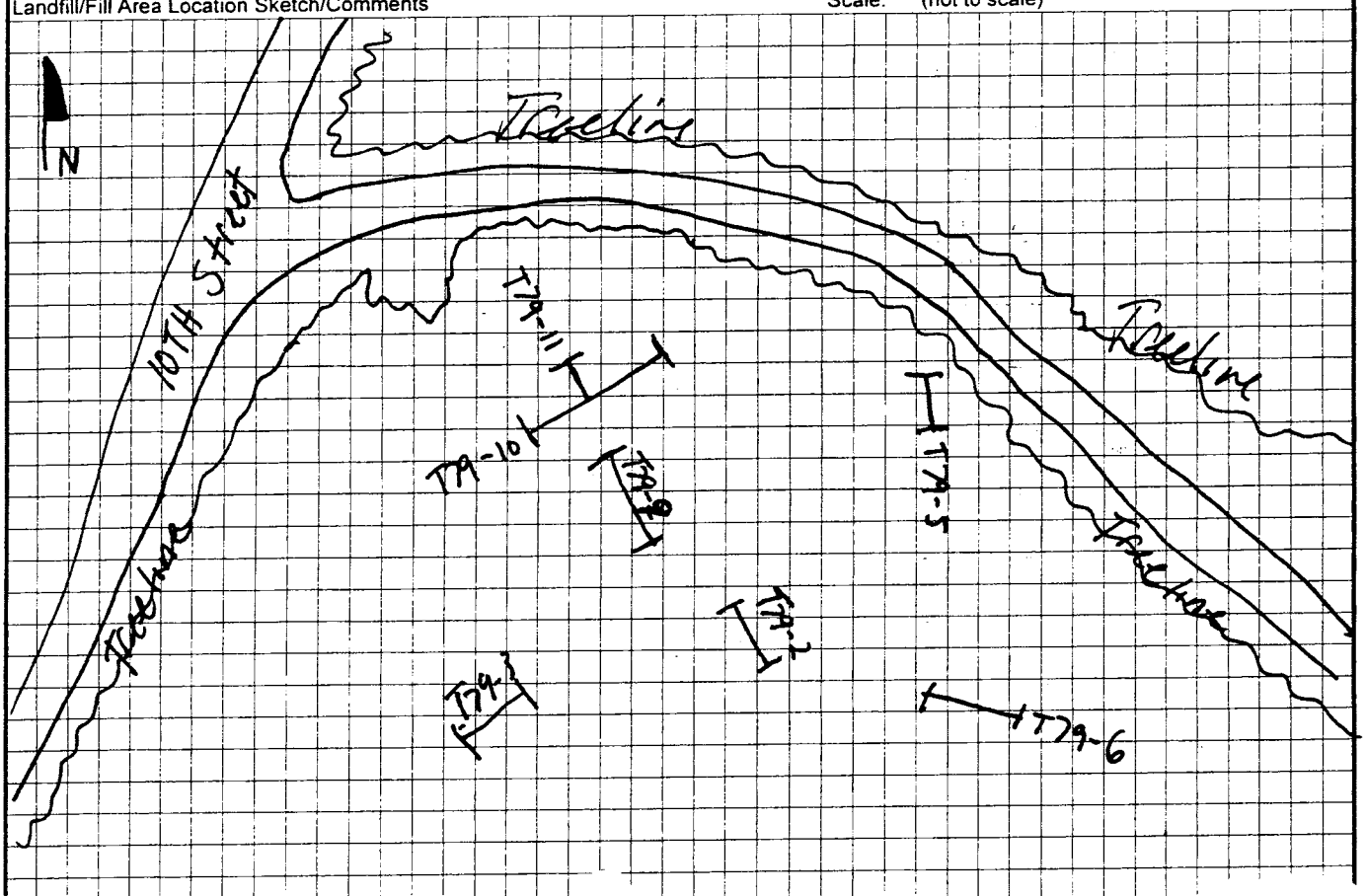
trenchHtrwlog

TRENCH LOG

Trench Number	T79-3
Company Name	IT Corporation
District	Mobile USACE
Sheet	1 of 23 Sheet(s)
Project	Fort McClellan Landfill/Fill Area Investigations
Location	Calhoun County, Alabama
Name of Equipment Operator	David Ayala
Manufacture's Designation of Heavy Equipment	CAT 320B
Sizes and Types of Equipment Used	LEL/O_2 Meter PID
Trench Location	Land fill No. 2
	Trackhoe excavator Level C PPE.
Surface Elevation	TBD
Date Started	2/25/00
Date Completed	2/25/00
Overburden Thickness	>5.0'
Depth Groundwater Encountered	N/A
Depth Rock Encountered	N/A
Total Depth of Trench	5.0'
Trench Length	66.0'
Disposition of Trench	
Backfilled	X
Geologist	Denton Hill

Landfill/Fill Area Location Sketch/Comments

Scale: (not to scale)



Project	Fort McClellan Landfill/Fill Area Investigations
Trench Number	T79-3

TBD- To be determined.

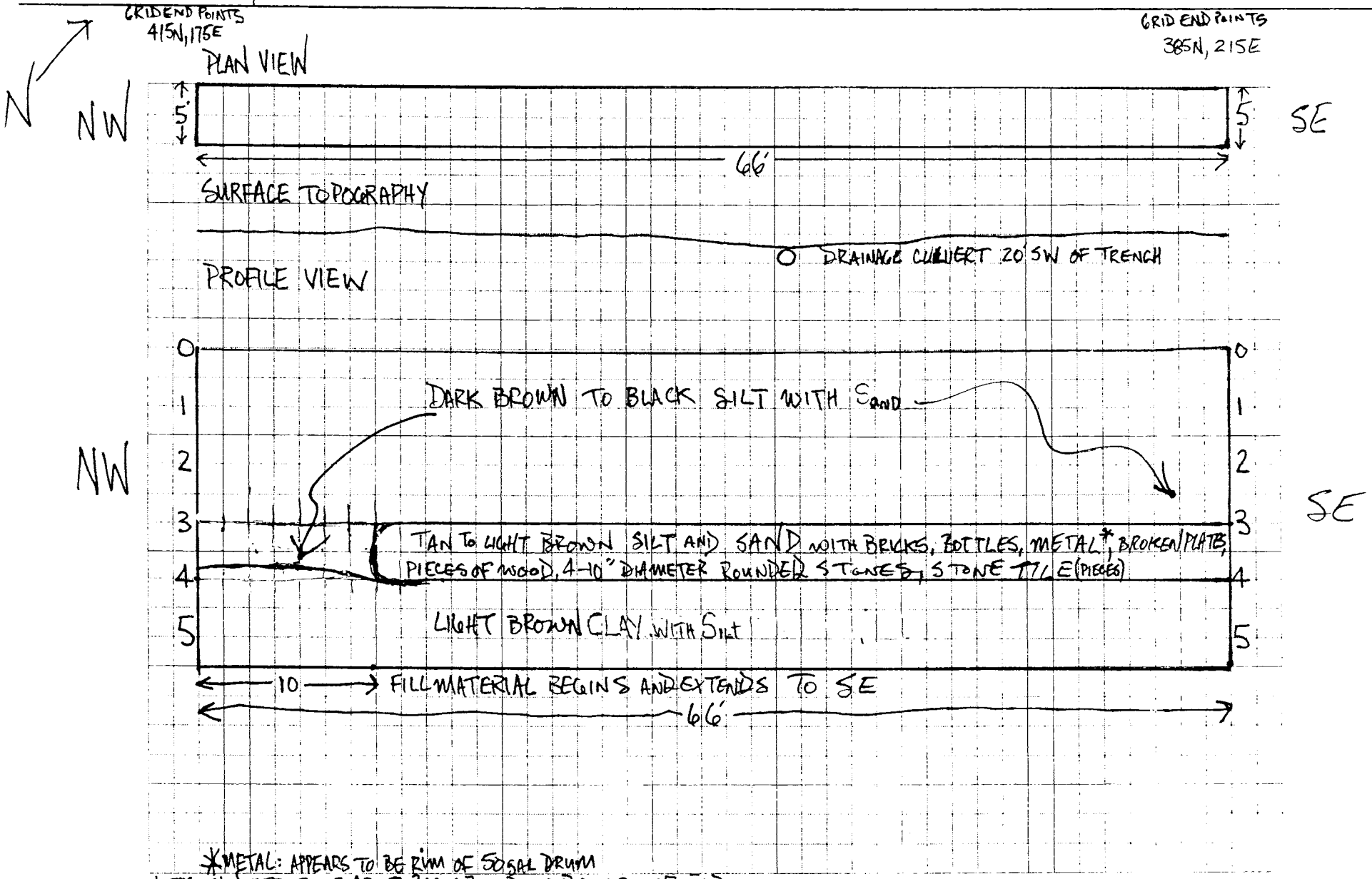
N/A - Not applicable

Test P
Classification
Log

Project: Fort McClellan, SAD TERC
Parcel# 79(7)
Date: 2/25/00
* Provide Sketch of Sidewall
Geologist: DENTON HILL

ch Location: T79-3
Equipment used: CAT 320 TRACKHOE

Page 2 of ~~1~~ Pages
Excavation size:
66 X 3 X ~~10~~ 5 = 990 FT3
Length Width Depth Volume



*METAL: APPEARS TO BE RIM OF 50 GAL DRUM

NOTES: NO DETECTIONS ABOVE BACKGROUND ON PID, LEL, OR FID
TRENCH BACKFILLED 2/25/00

DEVIATIONS: TRENCH WAS EXTENDED FROM PROPOSED 50' LENGTH TO 66 TO MORE ACCURATELY DETERMINE OUTER FILL BOUNDARY.

TEST PIT CLASSIFICATION LOG

(continuation sheet)

~~Parcel~~ Number: Trench T79-3

Project: Fort McClellan, SAD TERC

Geologist: Denton Hill

Sheet ~~2~~ 3 of ~~2~~ 3 Sheets

Elev (ft)	Depth (ft) bgs	Description of Materials	USCS/ Lithol	Field Screening Results (ppm)	COMMENTS
	0	dark brown to black SILT with Sand,	ML	0.0	
	1				
	2				
	3	tan to light brown SILT and SAND. Fill	SM		Fill bricks, bottles, metal (looks like rim of 55 gallon drum), broken plates, pieces of wood, 4-10" diameter rounded stones stone tile pieces. Fill begins ~~from~~ 10' from NW End of Trench and extends to the SE of trench.
	4	light brown CLAY, with silt	CL		
	5				Bottom of trench at 5' bgs

Project Fort McClellan, SAD TERC

~~Parcel~~ Number: Trench T79-3

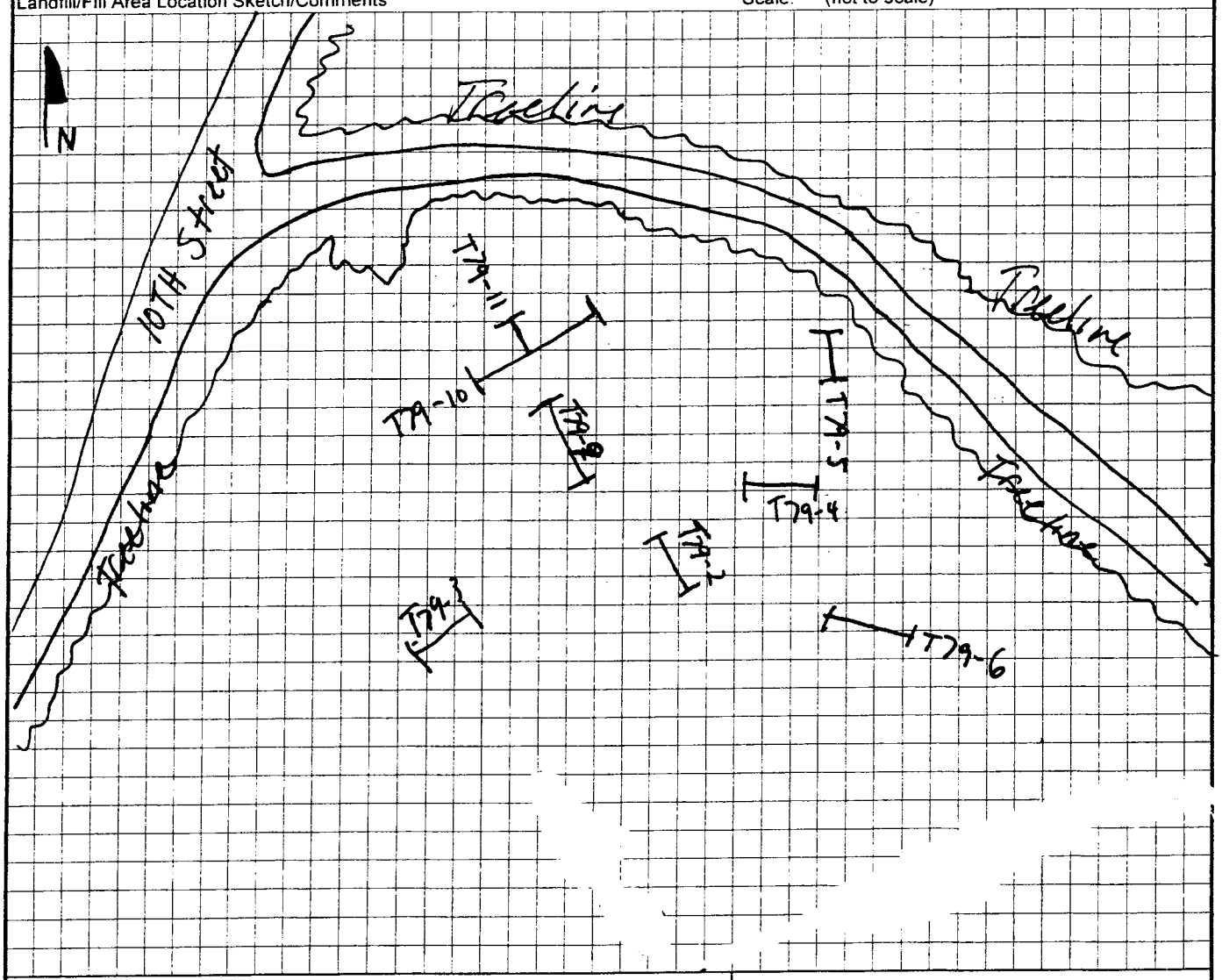
trenchHtrwlog

TRENCH LOG

Trench Number: T79-4

Company Name: IT Corporation	District: Mobile USACE	Sheet 1 of 23 Sheet(s)	
Project: Fort McClellan Landfill/Fill Area Investigations		Location: Calhoun County, Alabama	
Name of Equipment Operator: David Ayala		Manufacture's Designation of Heavy Equipment: CAT 320B	
Sizes and Types of Equipment Used: LEL/O_2 Meter, PID		Trench Location: Land fill No. 2	
Trackhoe excavator, Level C PPE.		Surface Elevation: TBD	
		Date Started: 3-1-00	Date Completed: 3-1-00
Overburden Thickness: > 6.0'		Depth Groundwater Encountered: N/A	
Depth Rock Encountered: N/A	Total Depth of Trench: 6.0'	Trench Length: 40.0'	
Disposition of Trench:	Backfilled: X	Geologist: Denton Hill	

Landfill/Fill Area Location Sketch/Comments — Scale: (not to scale)



Project: Fort McClellan Landfill/Fill Area Investigations	Trench Number: T79-4

TBD - To be determined.
N/A - Not applicable.

Test Pit Classification Log

Project: Fort McClellan, SAD TERC
Parcel# 79(7)
Date: 3/1/00
* Provide Sketch of Sidewall
Geologist: DENTON HILL

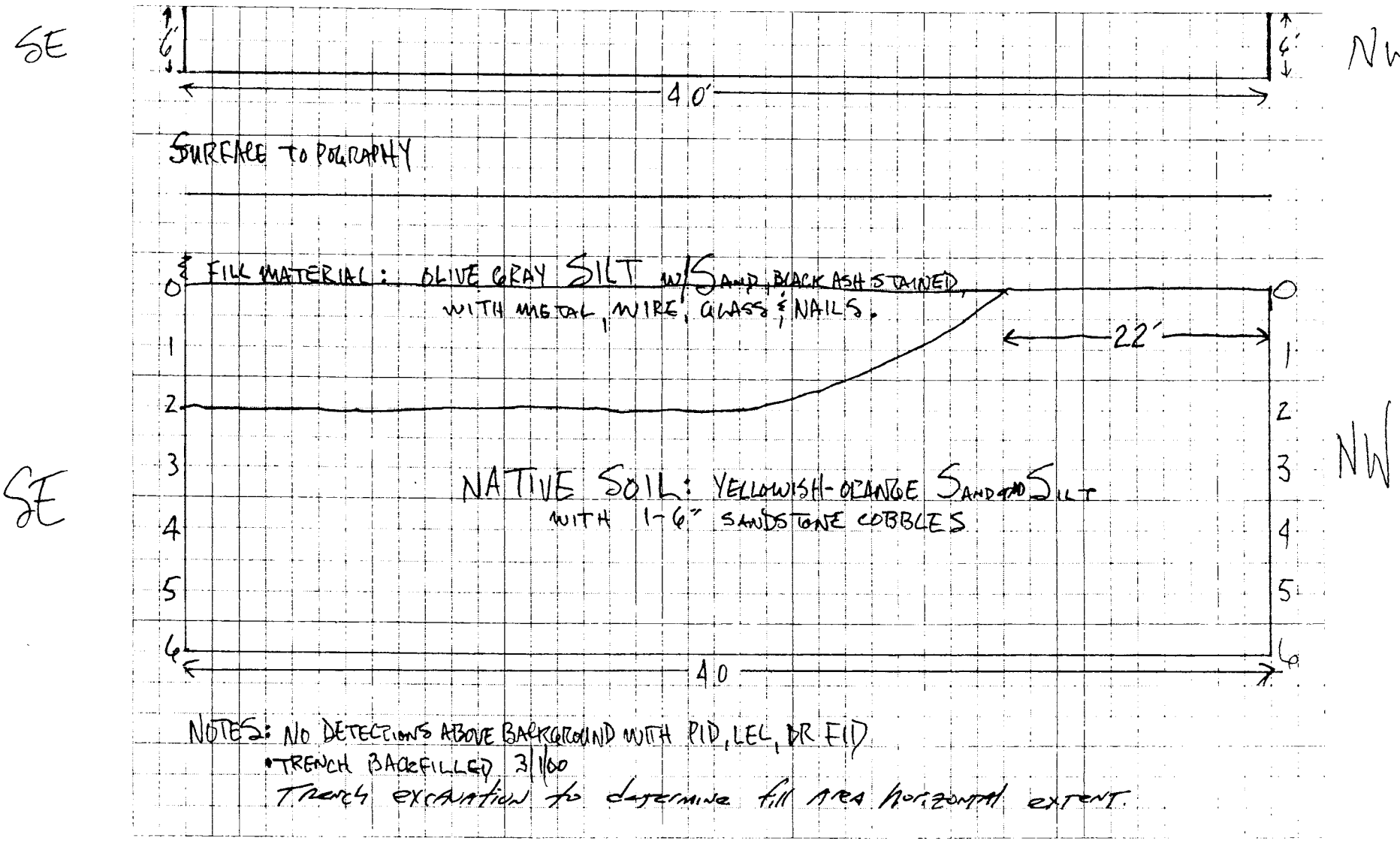
Pit Location: 79-4
Equipment used: CAT 320B TRACKHOE

Excavation size:
40 X 3 X 6 = 720 FT3
Length Width Depth Volume

GRID END POINTS 415N,580E

GRID END POINTS 445N,535E

PLAN VIEW



NOTES: NO DETECTIONS ABOVE BACKGROUND WITH PID, LEL, OR FID
• TRENCH BACKFILLED 3/1/00
Trench excavation to determine fill area horizontal extent.

TEST PIT CLASSIFICATION LOG

(continuation sheet)

~~Parcel~~ Number: Trench T 79-4

Project: Fort McClellan, SAD TERC

Geologist: Denton Hill

Sheet 3 of 3 Sheets

Elev (ft)	Depth (ft) bgs	Description of Materials	USCS/ Litho	Field Screening Results (ppm)	COMMENTS
	0	Olive gray SILT, with Sand Fill	~~SM~~ ML	0.0	Fill: black Ash, metal, wire, glass and nails. Fill begins 22' from NW end of Trench and extends to the SE end of Trench.
	1				
	2	Yellowish orange SANDam SILT with 1-6" Sandstone Cobbles, NATIVE	SM		
	3				
	4				
	5				
	6				Bottom of Trench 6' bgs

Project Fort McClellan, SAD TERC

~~Parcel~~ Number Trench T 79-4

trenchHtrwlog

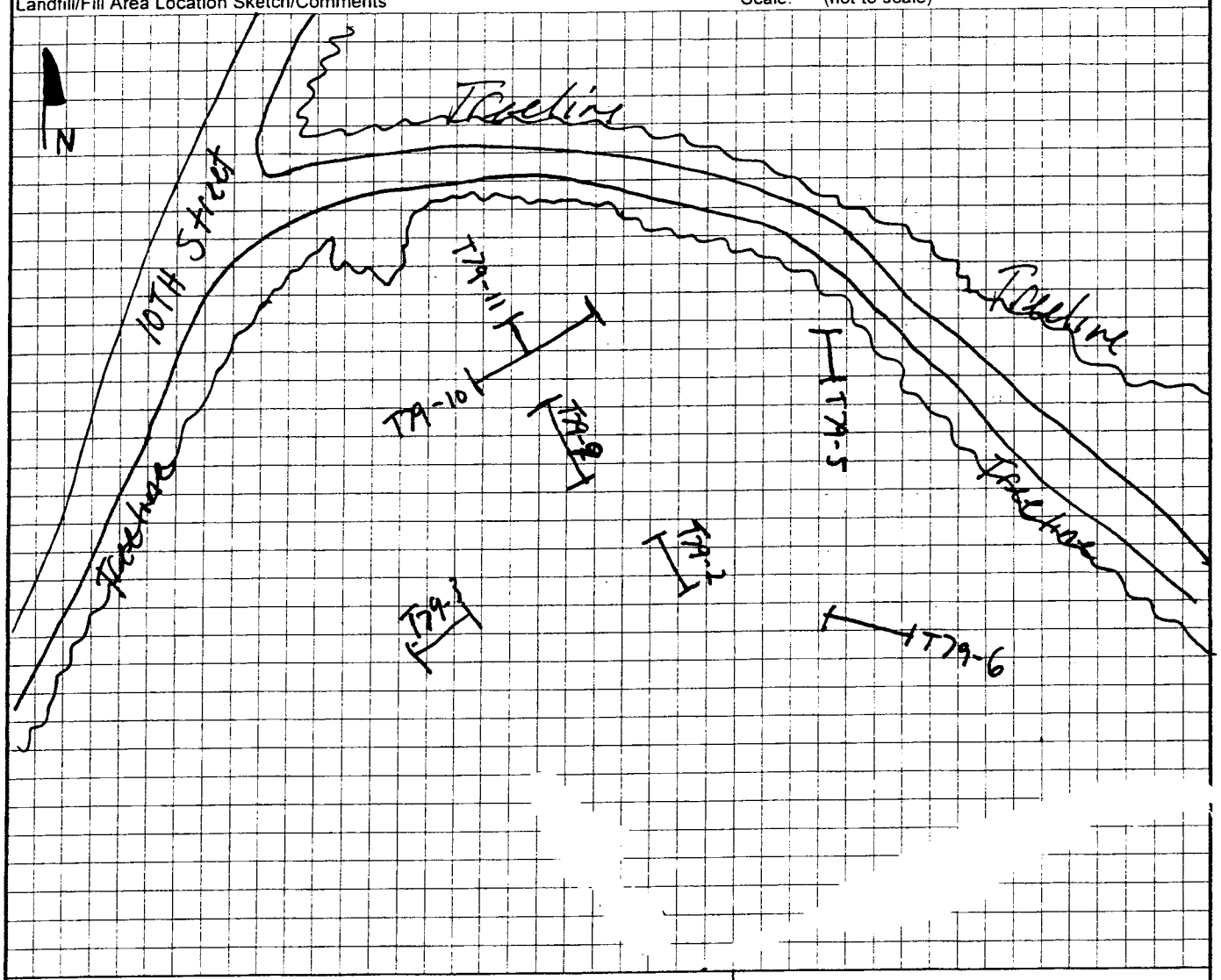
TRENCH LOG

Trench Number: T79-5

Company Name	IT Corporation
District	Mobile USACE
Sheet	1 of 23
Project	Fort McClellan Landfill/Fill Area Investigations
Location	Calhoun County, Alabama
Name of Equipment Operator	David Ayala
Manufacture's Designation of Heavy Equipment	CAT 320B
Sizes and Types of Equipment Used	LEL/O_2 Meter PID
Trench Location	Land fill No. 2
	Trackhoe excavator Level C PPE.
Surface Elevation	TBD
Date Started	3/1/00
Date Completed	3/1/00
Overburden Thickness	> 3.0'
Depth Groundwater Encountered	N/A
Depth Rock Encountered	N/A
Total Depth of Trench	3.0'
Trench Length	30.0'
Disposition of Trench	
Backfilled	X
Geologist	Denton Hill

Landfill/Fill Area Location Sketch/Comments

Scale: (not to scale)



Project: Fort McClellan Landfill/Fill Area Investigations

Trench Number: T79-5

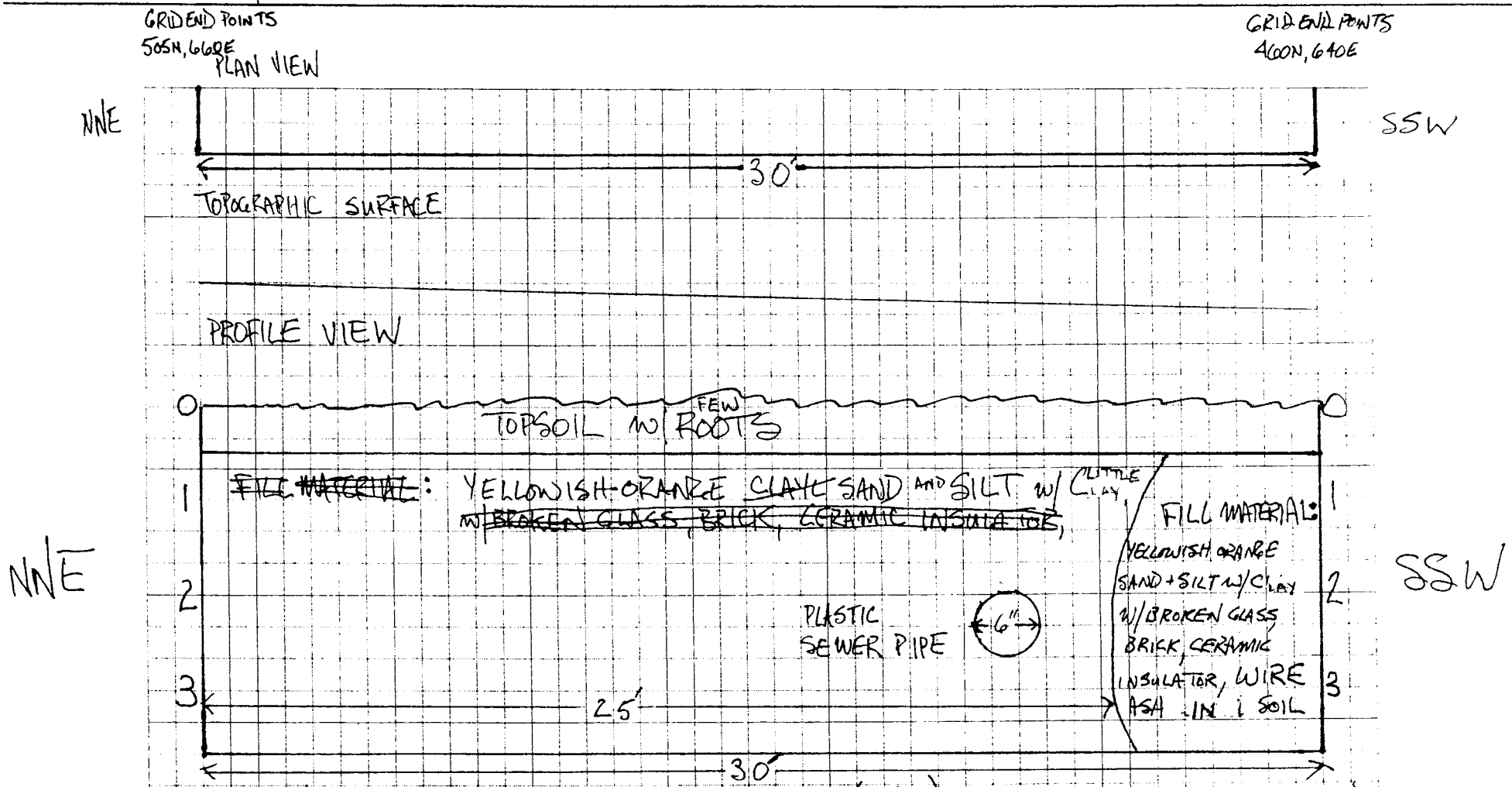
TBD- To be determined.
N/A - Not applicable.

Test Pi Classification Log

Project: Fort McClellan, SAD TERC
Parcel# 79(7)
Date: 3/1/00
* Provide Sketch of Sidewall
Geologist: DENTON HILL

T ch Location: T79-5
Equipment used: CAT 320 B TRACKHOE

Page 2 of ~~4~~ 5 Pages
Excavation size:
30 X 3 X 3 = 270 FT³
Length Width Depth Volume



NOTES: • 6" SEWER PIPE LOCATION WAS MARKED INCORRECTLY (22' OFF), PIPE WAS BROKEN BY TRACKHOE, REPAIRED BY JOHNSON CONTROLS 3/1/00
• NO DETECTIONS ABOVE BACKGROUND WITH PID, LEL, OR FID
• TRENCH BACKFILLED 3/1/00

TEST PIT CLASSIFICATION LOG

(continuation sheet)

~~Parcel~~ Number: Trench T79-S

Project: Fort McClellan, SAD TERC

Geologist: Denton Hill

Sheet 2 of 2 Sheets

Elev (ft)	Depth (ft) bgs	Description of Materials	USCS/ Litho	Field Screening Results (ppm)	COMMENTS
	0	Topsoil with few roots			
	1	Yellowish orange SAND and SILT, with little clay Fill	SM	0.0	Fill: broken glass, brick, ceramic insulator, wire, ash Fill located last 5' of trench on SSW end
	2				
	3				Bottom of trench at 3' bgs

Project Fort McClellan, SAD ~~TERC~~

~~Parcel~~ Number Trench T79-S

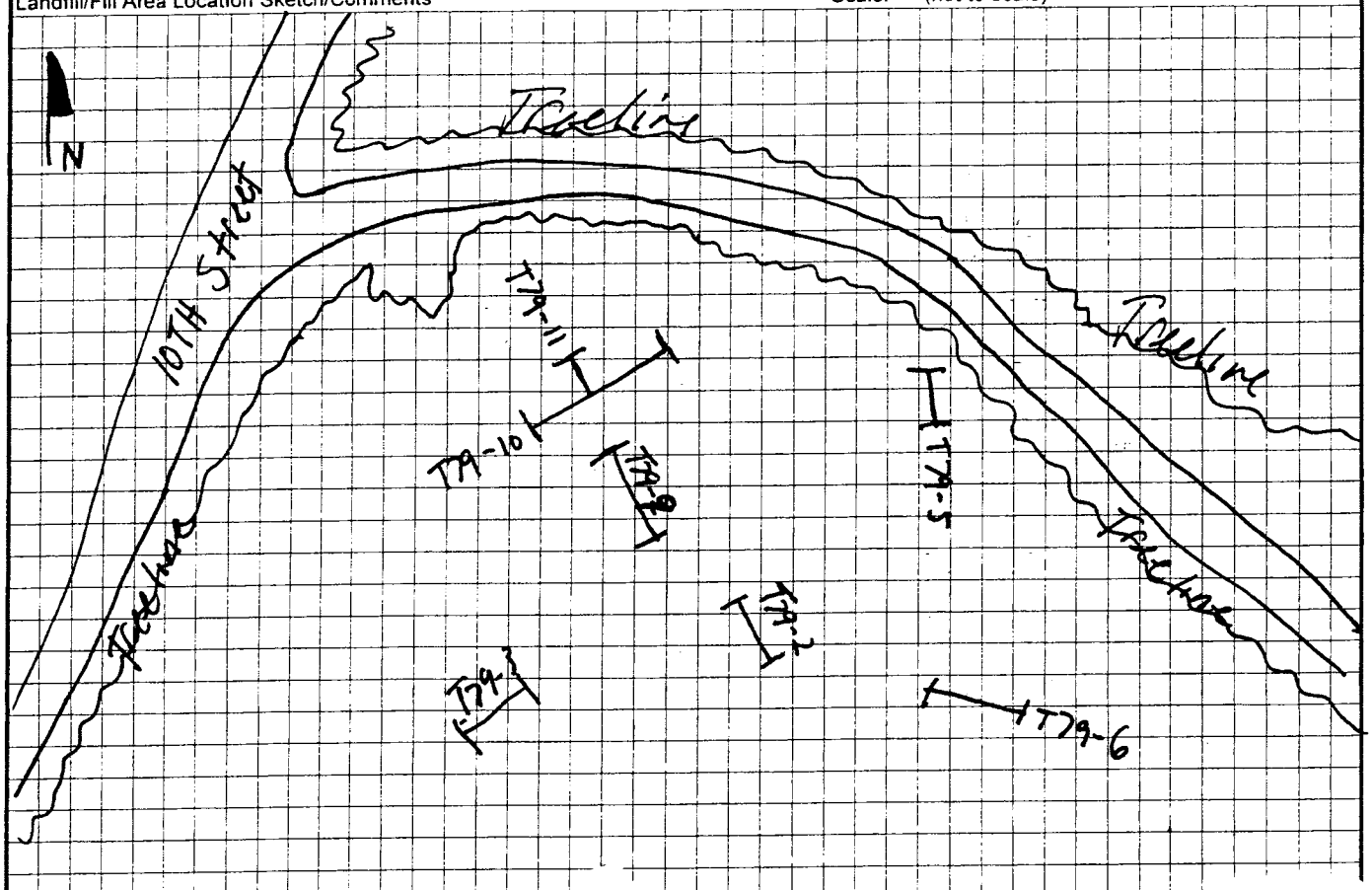
trenchHtrwlog

TRENCH LOG

Trench Number	T79-6
Company Name	IT Corporation
District	Mobile USACE
Sheet	1 of ~~2~~ 3 Sheet(s)
Project	Fort McClellan Landfill/Fill Area Investigations
Location	Calhoun County, Alabama
Name of Equipment Operator	David Ayala
Manufacture's Designation of Heavy Equipment	CAT 320B
Sizes and Types of Equipment Used	LEL/O_2 meter PID
Trench Location	Land fill No. 2
	Trackhoe excavator Level C PPE.
Surface Elevation	TBD
Date Started	3/1/00
Date Completed	3/1/00
Overburden Thickness	>3.0'
Depth Groundwater Encountered	N/A
Depth Rock Encountered	N/A
Total Depth of Trench	3.0'
Trench Length	~~46.0~~ 64.00
Disposition of Trench	
Backfilled	X
Geologist	Denton Hill

Landfill/Fill Area Location Sketch/Comments

Scale: (not to scale)



Project	Fort McClellan Landfill/Fill Area Investigations
Trench Number	T79-6

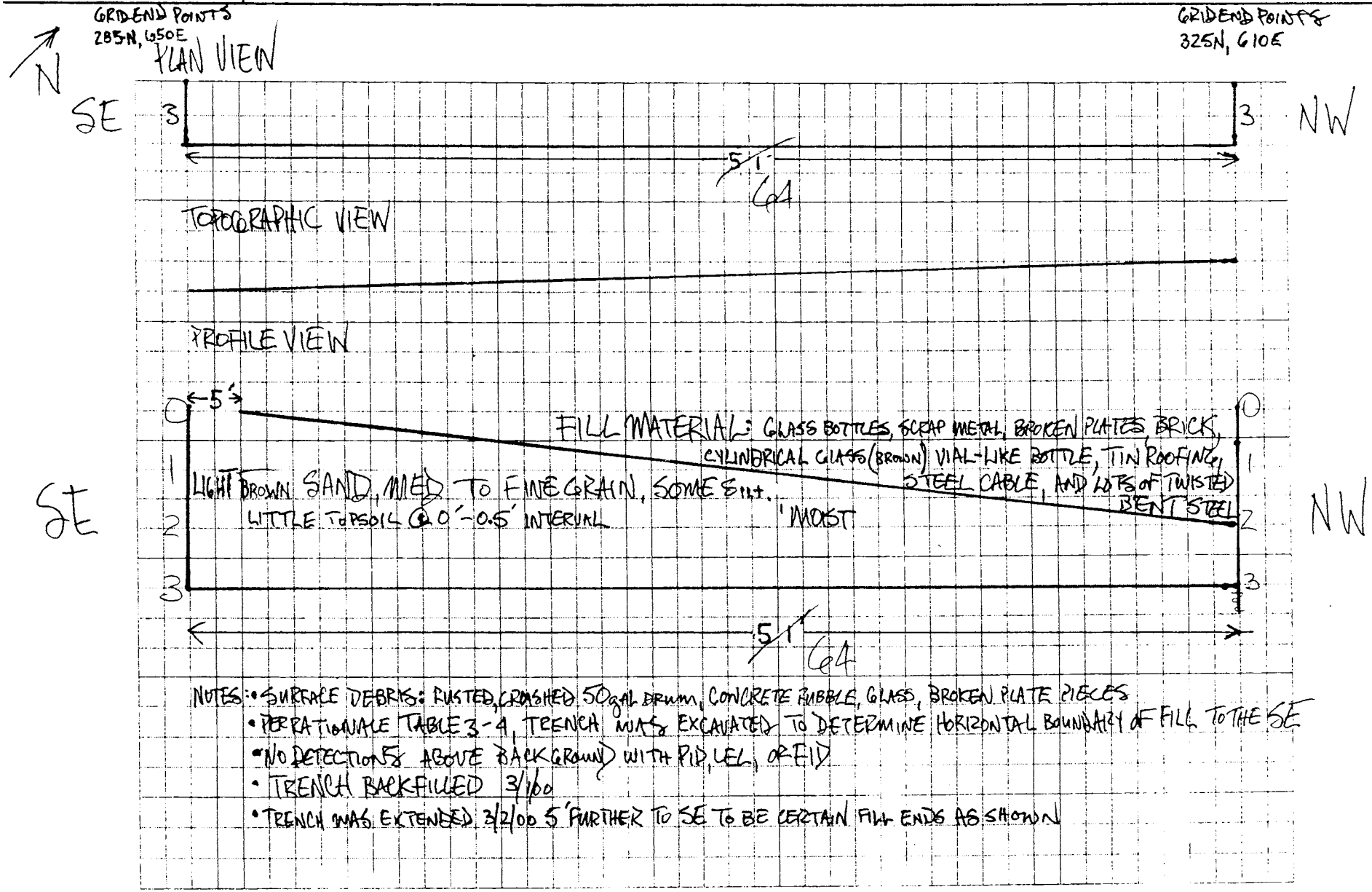
TBD- To be determined.
N/A - Not applicable

Test Pit Classification Log

Project: Fort McClellan, SAD TERC
Parcel# 79(7)
Date: 3/1/00
* Provide Sketch of Sidewall
Geologist: DENTON HILL

Tre Location: T 79-6
Equipment used: CAT 320 B TRACKHOE

Page ~~1 of 1~~ Pages
Excavation size:
46 X 3 X 3 = ~~414~~ FT3 576
Length Width Depth Volume
JJ



NOTES:
- SURFACE DEBRIS: RUSTED, CRASHED 50 gal DRUM, CONCRETE RUBBLE, GLASS, BROKEN PLATE PIECES
- PER RATIONALE TABLE 3-4, TRENCH WAS EXCAVATED TO DETERMINE HORIZONTAL BOUNDARY OF FILL TO THE SE
- NO DETECTIONS ABOVE BACKGROUND WITH PID, LEL, OR EID
- TRENCH BACKFILLED 3/1/00
- TRENCH WAS EXTENDED 3/2/00 5' FURTHER TO SE TO BE CERTAIN FILL ENDS AS SHOWN

TEST PIT CLASSIFICATION LOG

(continuation sheet)

~~Parcel~~ Trench Number: T79-6

Project: Fort McClellan, SAD TERC

Geologist: Denton Hill

Sheet ~~2~~ 3 of ~~2~~ 3 Sheets

Elev (ft)	Depth (ft) bgs	Description of Materials	USCS/ Litho	Field Screening Results (ppm)	COMMENTS
	0	Fill	0		Fill: glass bottles, scrap metal, broken plates, brick, cylindrical glass (brown), vial like bottle, tin roofing, steel cable, and lots of twisted bent steel
	1				
	2	light brown medium to fine grained SAND, some silt, little top soil on southeast side, moist			
					Bottom of trench @ 3' bgs
	3				

Project Fort McClellan, SAD TERC

~~Parcel~~ Trench Number T79-6

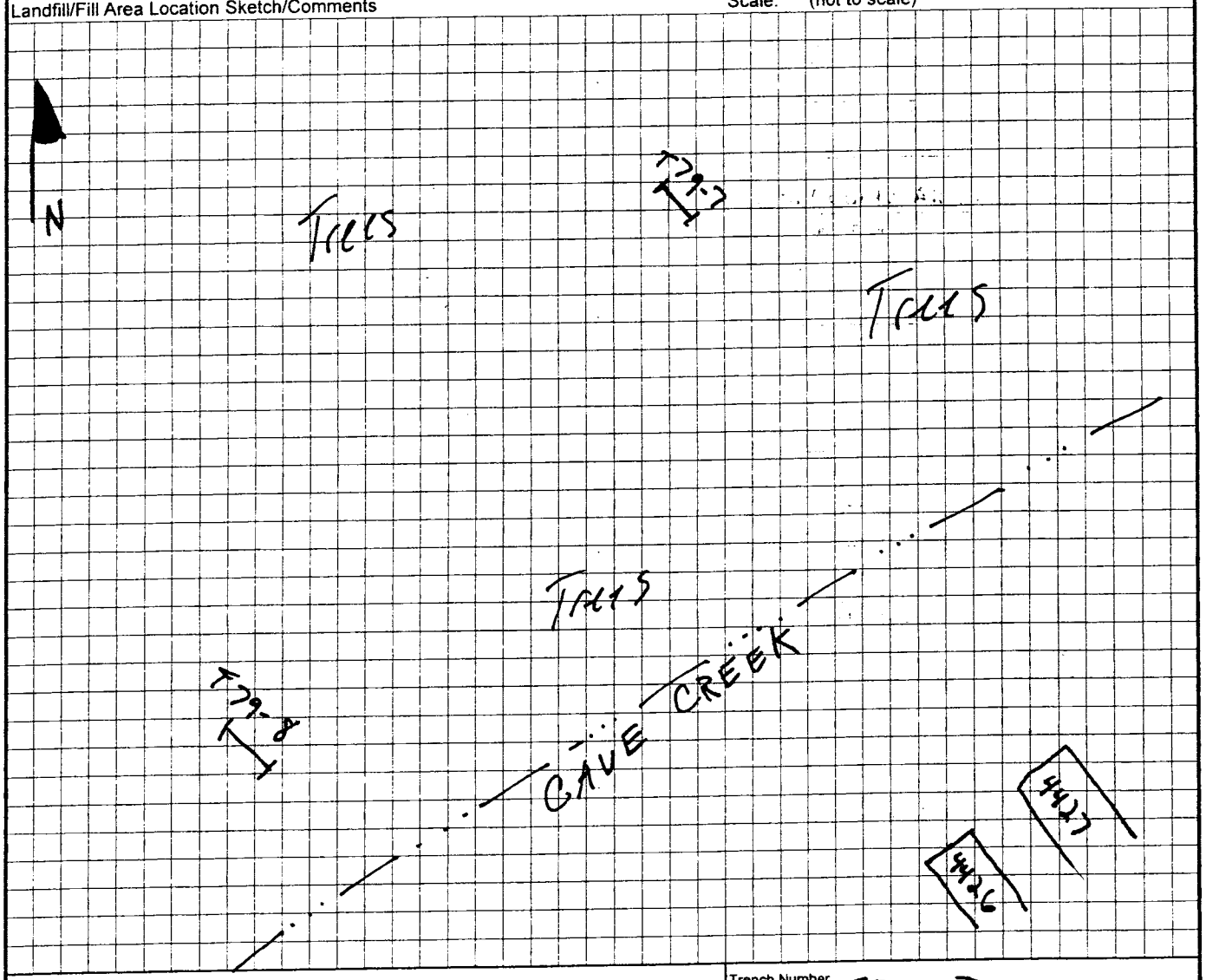
trenchHtrwlog

TRENCH LOG

Trench Number	T79-7
Company Name	IT Corporation
District	Mobile USACE
Sheet	1 of 3
Project	Fort McClellan Landfill/Fill Area Investigations
Location	Calhoun County, Alabama
Name of Equipment Operator	David Ayala
Manufacture's Designation of Heavy Equipment	CAT 320B
Sizes and Types of Equipment Used	LEL/O2 meter PID Trackhoe excavator Level C PPE
Trench Location	Landfill No. 2
Surface Elevation	TBD
Date Started	2/28/00
Date Completed	2/28/00
Overburden Thickness	> 18.0'
Depth Groundwater Encountered	N/A
Depth Rock Encountered	N/A
Total Depth of Trench	3.0' to 18.0'
Trench Length	48.0'
Disposition of Trench	Backfilled: X
Geologist	Denton Hill

Landfill/Fill Area Location Sketch/Comments

Scale: (not to scale)



Project	Fort McClellan Landfill/Fill Area Investigations
Trench Number	T79-7

TBD - To be determined

N/A - Not Applicable

Test Pit Classification Log

Project: Fort McClellan, SAD TERC
Parcel# 79(7)
Date: 2/28/00
* Provide Sketch of Sidewall
Geologist: DENTON HILL

Trench Location: T79-7
Equipment used: CAT 320 TRACKHOE

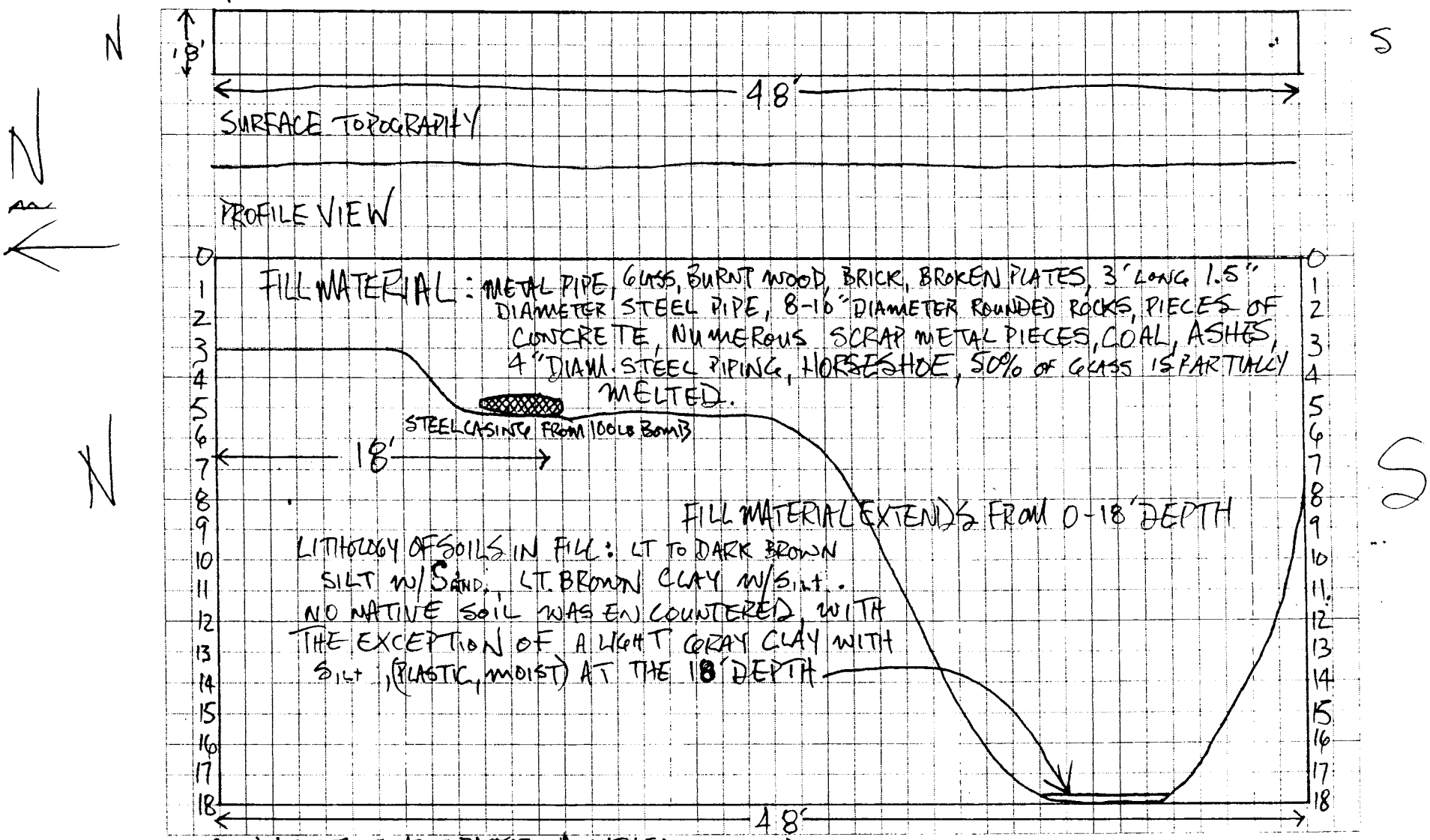
Excavation size:
48 X 3 X 18* = 2592 FT³
Length Width Depth Volume

* = MAX DEPTH

GRIDEND POINTS 230N, 360E

GRIDEND POINTS 175N, 350E

PLAN VIEW



NOTES: NO DETECTIONS ABOVE BACKGROUND WITH FID, LEL, OR PID.
TRENCH BACKFILLED 2/28/00
TRENCH EXCAVATION DATA to characterize the FILL AREA AND ANOMALY IDENTIFIED BY IAEC.

TEST PIT CLASSIFICATION LOG

(continuation sheet)

~~Parcel~~ Number: Trench T 79-7

Project: Fort McClellan, SAD TERC

Geologist: Denton Hill

Sheet 3 of 3 Sheets

Elev (ft)	Depth (ft) bgs	Description of Materials	USCS/ Litho	Field Screening Results (ppm)	COMMENTS
	0	Fill			Fill: Metal pipe, glass, burnt wood, brick, broken plates, 3' long 1.5" diameter steel pipe, 8-10" diameter round rock, pieces of concrete, numerous scrap metal pieces, coal, ashes, 4" diameter steel piping, horseshoe, 50% of glass is partially melted.
	1	light to dark brown SILT	ML		
	2	with Sand, light brown Clay.			
	3				
	4				
	5				
	6				
	7				18' from the north end of the trench at a depth of 5' bgs a steel casing from a 100 lb bomb was encountered
	8				
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18	light gray CLAY with silt plastic moist			Bottom of Trench 18' bgs on South side of Trench ~~West~~ North side goes down to ~ 3-5' bgs

Project Fort McClellan, SAD TERC

~~Parcel~~ Number Trench T 79-7

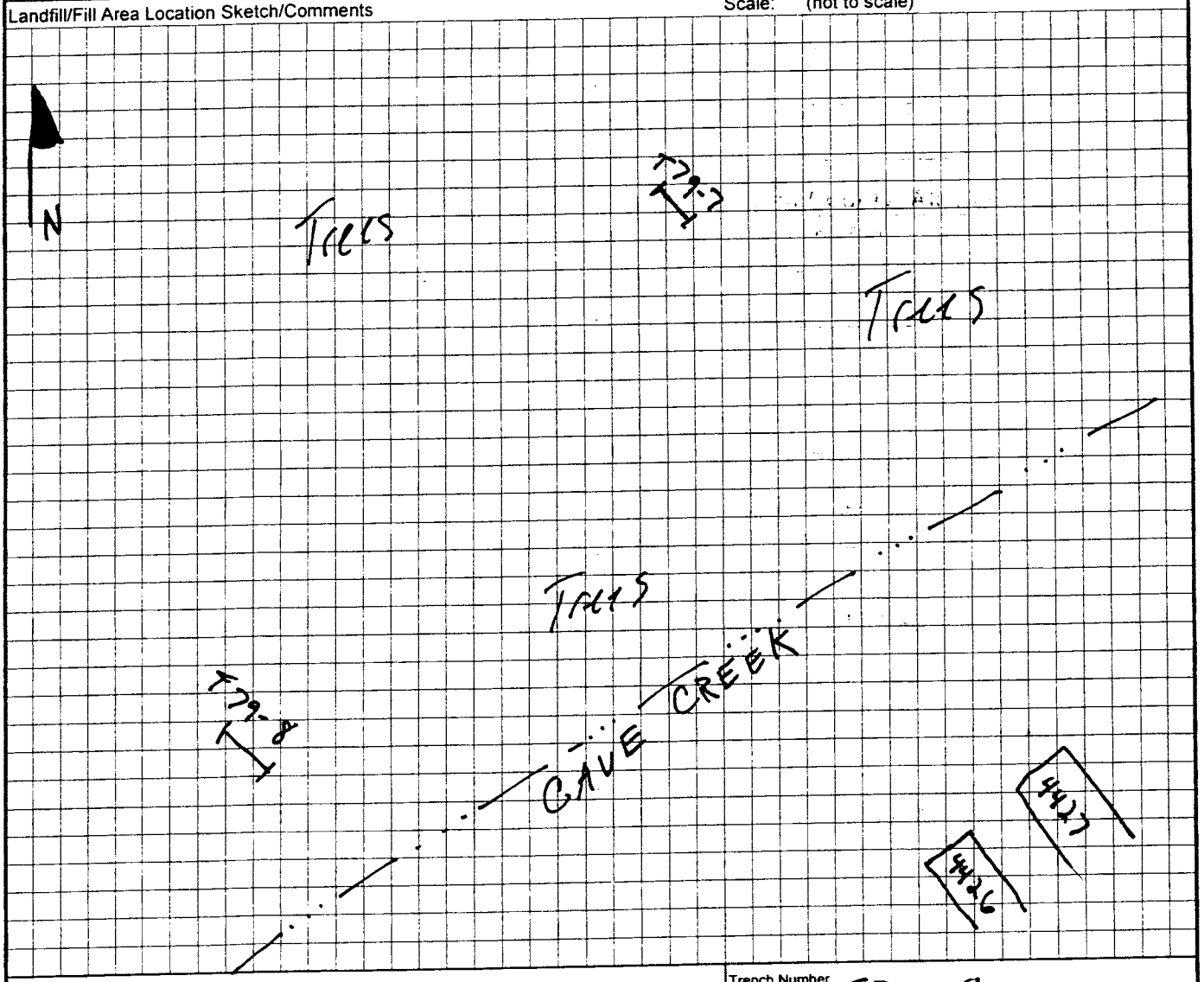
trenchHtrwlog

TRENCH LOG

Trench Number	T79-8
Company Name	IT Corporation
District	Mobile USACE
Sheet	1 of 23 Sheet(s)
Project	Fort McClellan Landfill/Fill Area Investigations
Location	Calhoun County, Alabama
Name of Equipment Operator	David Ayala
Manufacture's Designation of Heavy Equipment	CAT 320B
Sizes and Types of Equipment Used	LEL/O2 meter PID Trackhoe excavator Level C PPE
Trench Location	Landfill No. 2
Surface Elevation	TBD
Date Started	3/1/00
Date Completed	3/1/00
Overburden Thickness	(90) >5.0'
Depth Groundwater Encountered	N/A
Depth Rock Encountered	N/A
Total Depth of Trench	5.0'
Trench Length	55.0'
Disposition of Trench	
Backfilled	X
Geologist	Denton Hill

Landfill/Fill Area Location Sketch/Comments

Scale: (not to scale)



Project	Fort McClellan Landfill/Fill Area Investigations
Trench Number	T79-8

TBD - To be determined

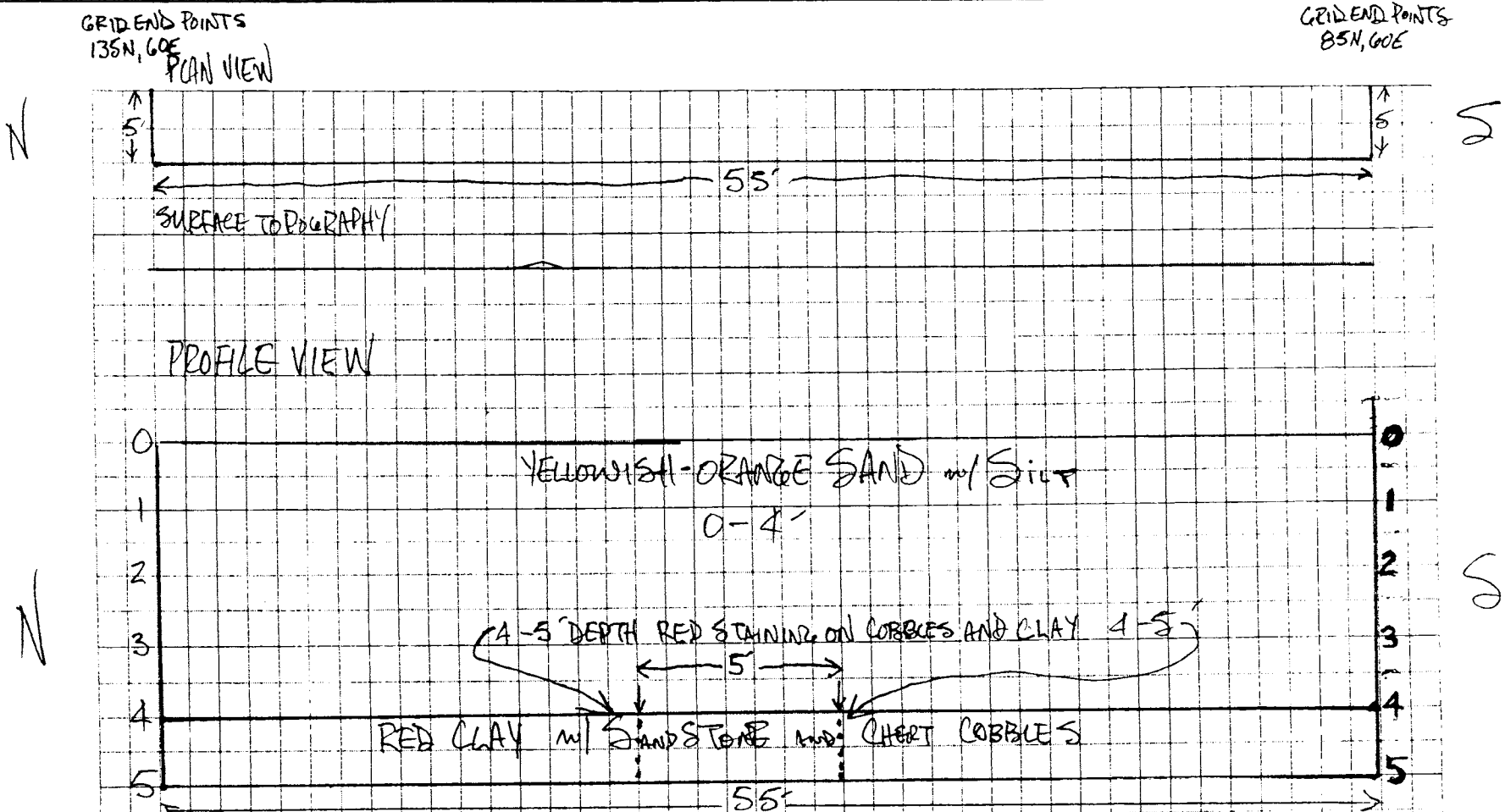
N/A - Not Applicable

Test Pit Classification Log

Project: Fort McClellan, SAD TERC
Parcel# 79(7)
Date: 3/1/00
* Provide Sketch of Sidewall
Geologist: DENTON HILL

Tre[illegible] Location: T79-8
Equipment used: CAT 320B TRACKHOE

Page ~~1 of 1~~ Pages
Excavation size:
55 X 3 X 5 = 825 FT³
Length Width Depth Volume



NOTES: TRENCH EXCAVATED TO DETERMINE ANOMOLY; fill material and/or ash was not found.
- No DETECTIONS ABOVE BACKGROUND WITH PID, LEL, OR FID
- TRENCH BACKFILLED 3/1/00

DEVIATIONS: Final Site-specific workplan did not propose trench T79-8. Trench dug to observe conductive anomaly.

TEST PIT CLASSIFICATION LOG

(continuation sheet)

~~Parcel~~ Number: Trench T79-8

Project: Fort McClellan, SAD TERC

Geologist: Denton Hill

Sheet ~~2~~ 3 of ~~2~~ 3 Sheets

Elev (ft)	Depth (ft) bgs	Description of Materials	USCS/ Litho	Field Screening Results (ppm)	COMMENTS
	0	Yellowish orange SAND, with silt.	SM	0	
	1				
	2				
	3				
	4	Red CLAY with sandstone and chert cobbles. Cobbles and clay has red staining near the center of the trench at 4-5' depth	CL		
	5				Bottom of Trench at 5' bgs

Project Fort McClellan, SAD TERC

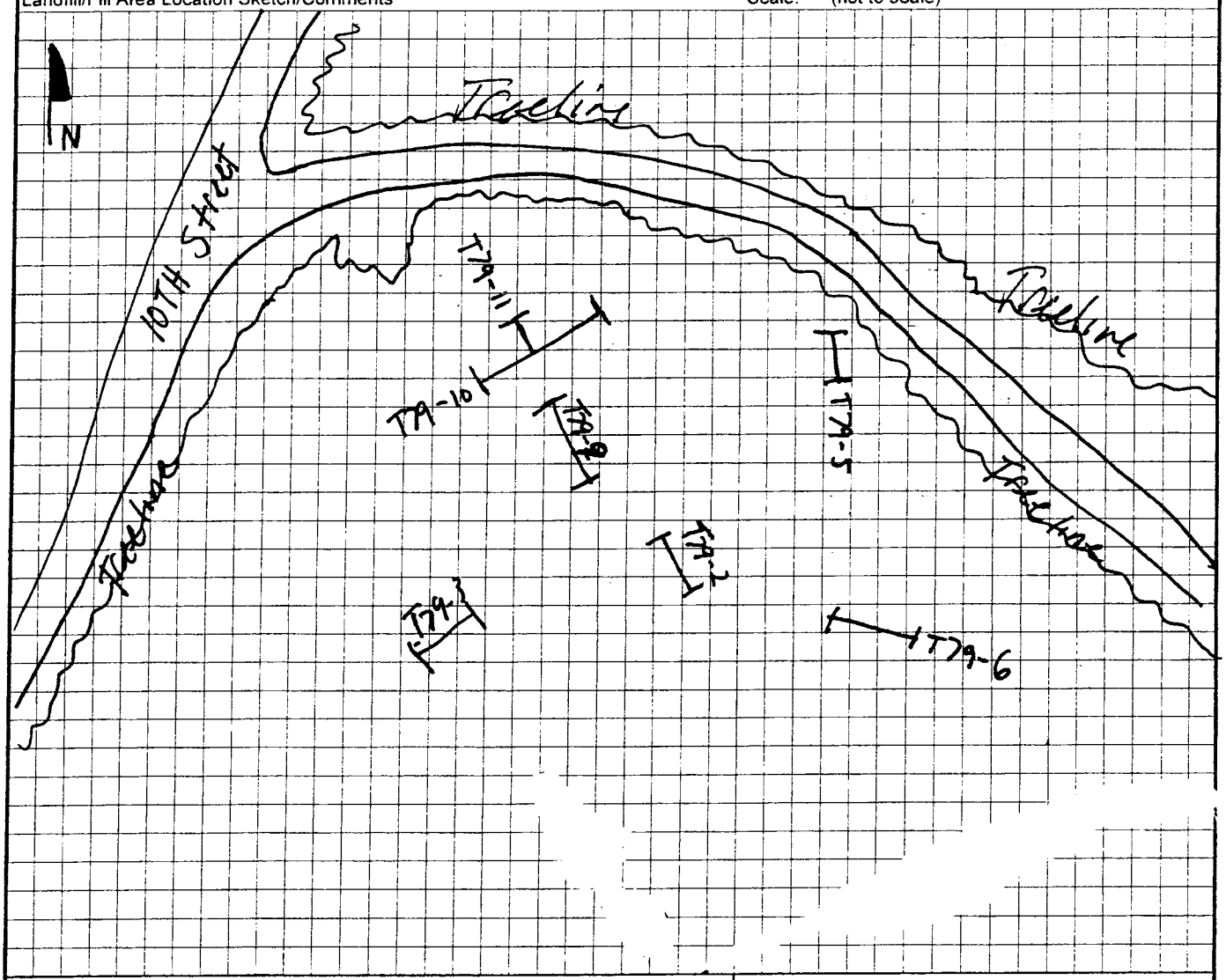
~~Parcel~~ Number Trench T79-8

trenchHtrwlog

TRENCH LOG

Trench Number	T79-9
Company Name	IT Corporation
District	Mobile USACE
Sheet	1 of 3 Sheet(s)
Project	Fort McClellan Landfill/Fill Area Investigations
Location	Calhoun County, Alabama
Name of Equipment Operator	David Ayala
Manufacture's Designation of Heavy Equipment	CAT 320B
Sizes and Types of Equipment Used	LEL/O_2 meter, PID
Trench Location	Land fill No. 2
	Trackhoe excavator, Level C PPE.
Surface Elevation	TBD
Date Started	3/1/00
Date Completed	3/1/00
Overburden Thickness	>6.0'
Depth Groundwater Encountered	N/A
Depth Rock Encountered	N/A
Total Depth of Trench	6.0'
Trench Length	90.0'
Disposition of Trench	
Backfilled	X
Geologist	Denton Hill

Landfill/Fill Area Location Sketch/Comments Scale: (not to scale)



Project	Fort McClellan Landfill/Fill Area Investigations
Trench Number	T79-9

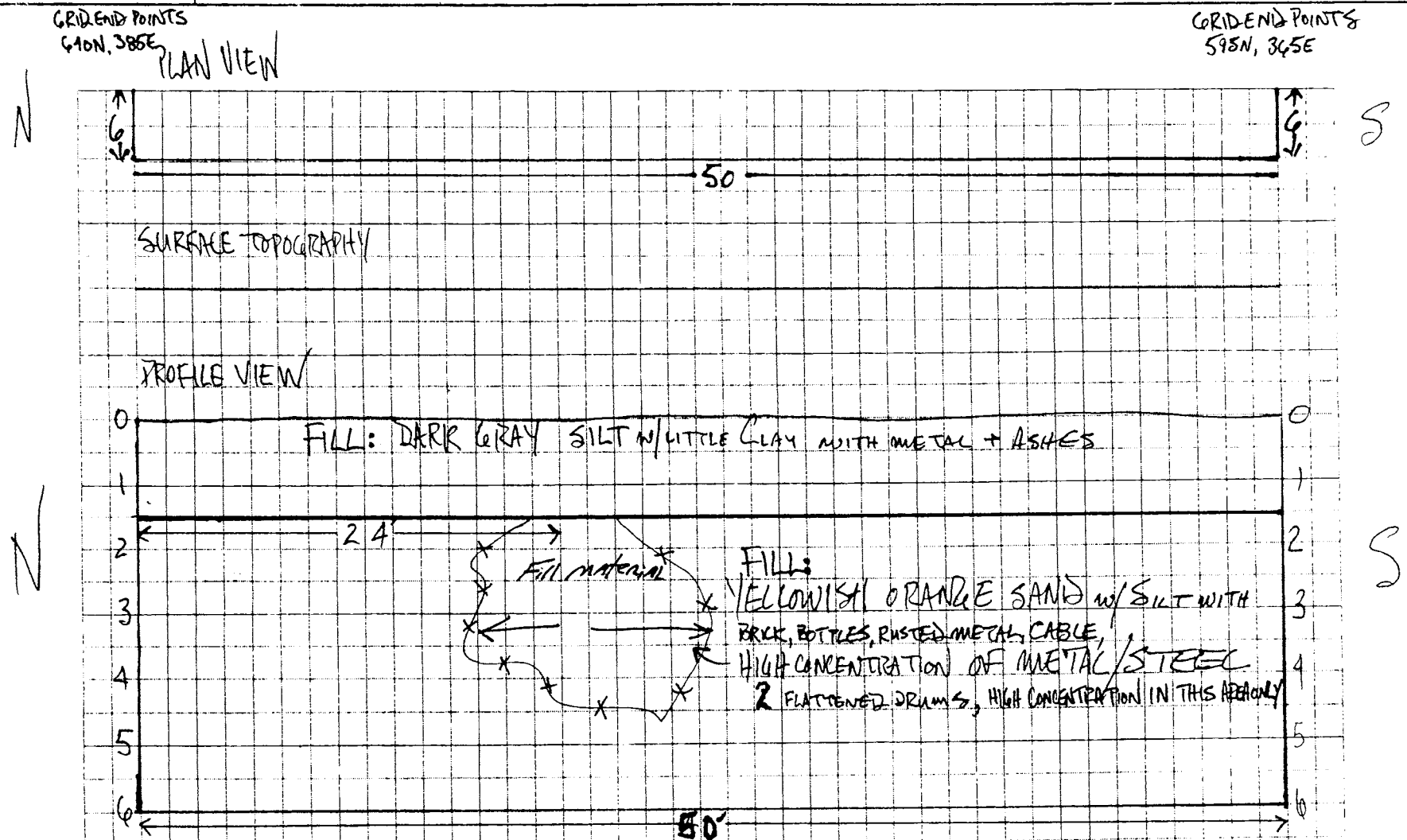
TBD - To be determined.
N/A - Not applicable.

Test Pit Classification Log

Project: Fort McClellan, SAD TERC
Parcel# 79(7)
Date: 3/1/00
* Provide Sketch of Sidewall
Geologist: DENTON HILL

Tre Location: T79-9
Equipment used: CAT 320B TRACKHOE

Page ~~1 of 1 Pages~~
Excavation size:
50 X 3 X 6 = 900 FT³
Length Width Depth Volume



NOTES: TRENCH WAS TO DETERMINE ANOMOLY IDENTIFIED by IT geophysics crew.
: NO DETECTIONS ABOVE BACKGROUND WITH PID, LEL, OR FID
: TRENCH BACKFILLED 3/1/00

Deviations: Site specific workplan did not propose Trench T79-9. Trench was performed to determine if fill material exists at an isolated area West ~~away~~ ~~from~~ of Landfill 24, L 79(7).

TEST PIT CLASSIFICATION LOG

(continuation sheet)

~~Parcel~~ Number: Trench T79-9

Project: Fort McClellan, SAD TERC

Geologist: Denton Hill

Sheet 2 of 2 Sheets

Elev (ft)	Depth (ft) bgs	Description of Materials	USCS/ Litho	Field Screening Results (ppm)	COMMENTS
	0	dark gray SILT, little Clay. Fill	ML	0.0	Fill: metal and ashes
	1				
	2	Yellowish orange Sand, with Silt. Fill	SM		Fill near center of trench brick, bottles, rusted metal cable, high concentration of metal/steel, 2 flattened drums.
	3				
	4				
	5				
	6				Bottom of Trench at 6' bgs

Project Fort McClellan, SAD TERC

~~Parcel~~ Number: Trench T79-9

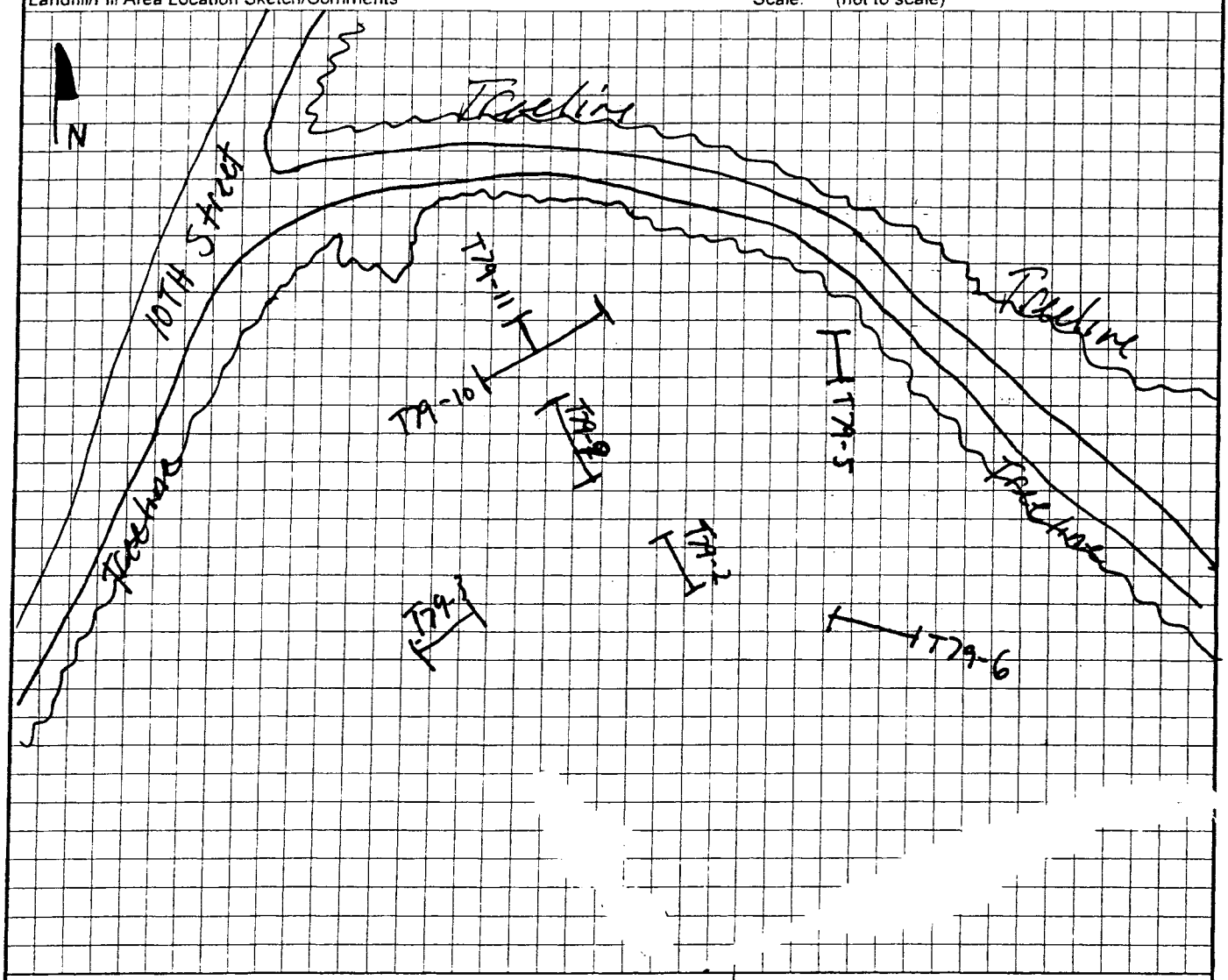
trenchHtrwlog

TRENCH LOG

Trench Number: T79-10

Company Name	IT Corporation
District	Mobile USACE
Sheet	1 of 3 Sheet(s)
Project	Fort McClellan Landfill/Fill Area Investigations
Location	Calhoun County, Alabama
Name of Equipment Operator	David Ayala
Manufacture's Designation of Heavy Equipment	CAT 320B
Sizes and Types of Equipment Used	LEL/O_2 Meter PID
Trench Location	Land fill No. 2
	Trackhoe excavator Level C PPE.
Surface Elevation	TBD
Date Started	3/23/00
Date Completed	3/23/00
Overburden Thickness	> 10.0'
Depth Groundwater Encountered	N/A
Depth Rock Encountered	N/A
Total Depth of Trench	10.0'
Trench Length	85.0'
Disposition of Trench	
Backfilled	X
Geologist	Denton Hill

Landfill/Fill Area Location Sketch/Comments — Scale: (not to scale)



Project: Fort McClellan Landfill/Fill Area Investigations — Trench Number: T79-10

TBD - To be determined.
N/A - Not applicable

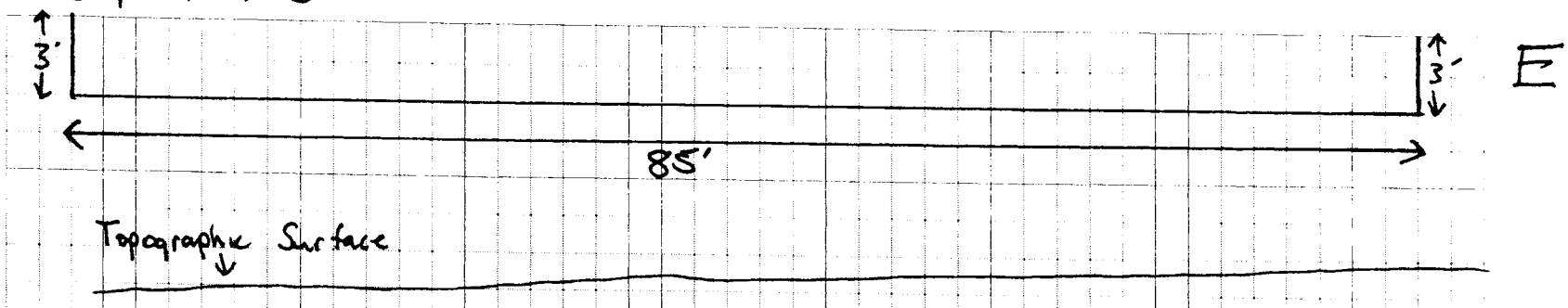
Test Pit Classification Log

Project: Fort McClellan, SAD TERC
Parcel# 79 (7)
Date: 3/23/00
* Provide Sketch of Sidewall
Geologist: Denton Hill

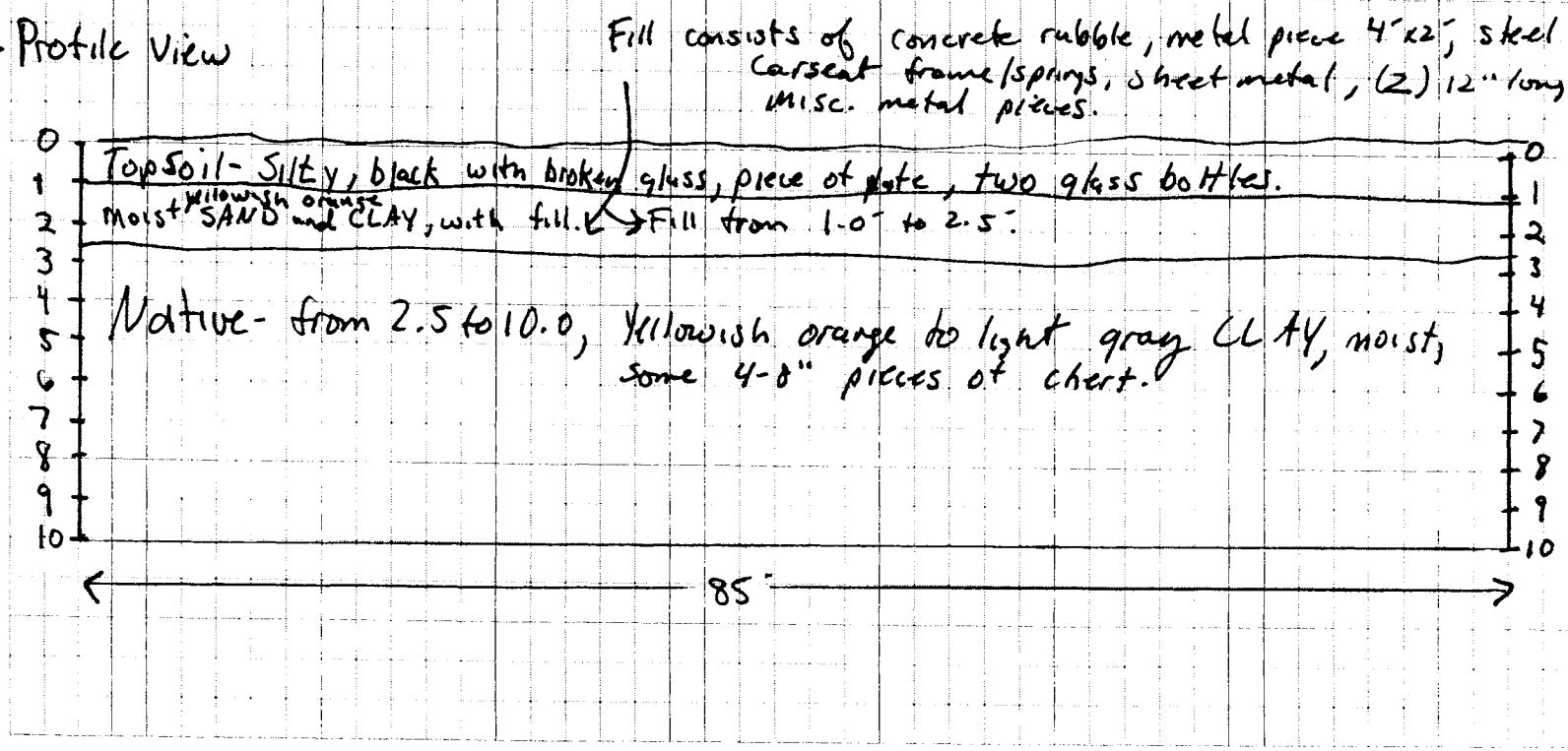
Trench Location: T79-10
Equipment used: CAT 320B Trackhoe

Page 2 of ~~4~~ 3 Pages
Excavation size:
85' X 3' X 10 = 2550 ft³
Length Width Depth Volume

* Plan view



* Profile View



TEST PIT CLASSIFICATION LOG

(continuation sheet)

~~Parcel~~ Number: Trench T 79-10

Project: Fort McClellan, SAD TERC

Geologist: Denton Hill

Sheet 3 of 3 Sheets

Elev (ft)	Depth (ft) bgs	Description of Materials	USCS/ Litho	Field Screening Results (ppm)	COMMENTS
	0	Topsoil - Silty, black. Fill			Fill: broken glass, piece of plate, two glass bottles
	1	moist yellowish orange SAND and CLAY, Fill	SC		Fill: concrete rubble, metal piece 4'x2', steel cable, car seat frame/springs, sheet metal, (2) 12" long steel pipes, misc. metal pieces.
	2				
	3	yellowish orange to light gray CLAY, moist, some 4-8" pieces of chert: NATIVE	CL		
	4				
	5				
	6				
	7				
	8				
	9				
	10				Bottom of Trench @ 10' bgs

~~Project~~ Fort McClellan, SAD TERC

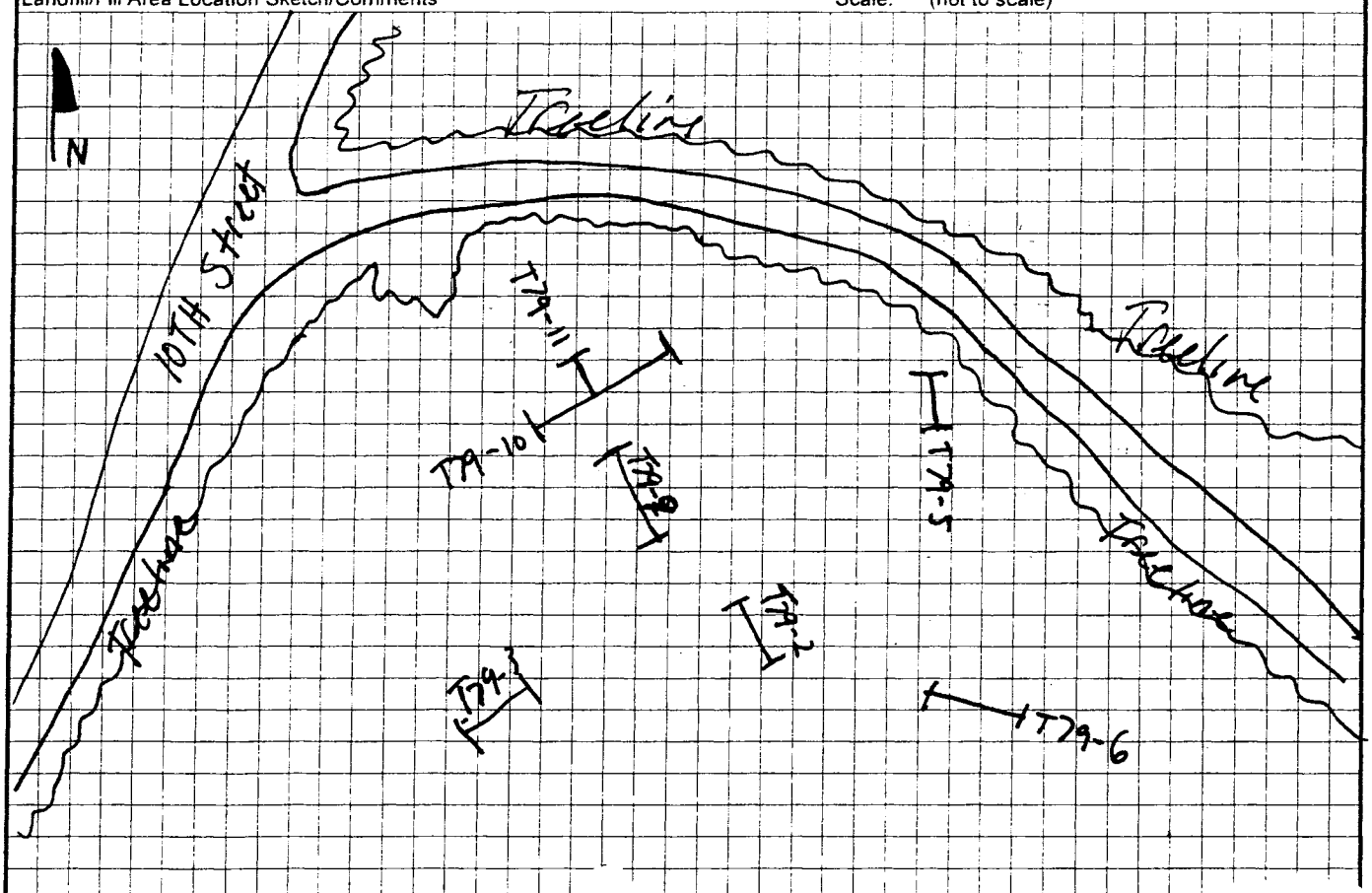
~~Parcel~~ Number: Trench T 79-10

trenchHtrwlog

TRENCH LOG

Trench Number	T79-11
Company Name	IT Corporation
District	Mobile USACE
Sheet	1 of 23 Sheet(s)
Project	Fort McClellan Landfill/Fill Area Investigations
Location	Calhoun County, Alabama
Name of Equipment Operator	David Ayala
Manufacture's Designation of Heavy Equipment	CAT 320B
Sizes and Types of Equipment Used	LEL/O_2 meter, PID, Trackhoe excavator, Level C PPE.
Trench Location	Landfill No. 2
Surface Elevation	TBD
Date Started	3/23/00
Date Completed	3/23/00
Overburden Thickness	>6.0'
Depth Groundwater Encountered	N/A
Depth Rock Encountered	N/A
Total Depth of Trench	6.0'
Trench Length	30.0'
Disposition of Trench	Backfilled: X
Geologist	Denton Hill

Landfill/Fill Area Location Sketch/Comments — Scale: (not to scale)

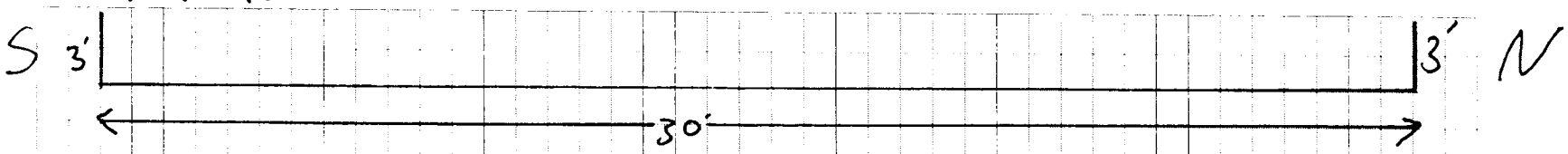


Project	Fort McClellan Landfill/Fill Area Investigations
Trench Number	T79-11

TBD - To be determined.
N/A - Not applicable.

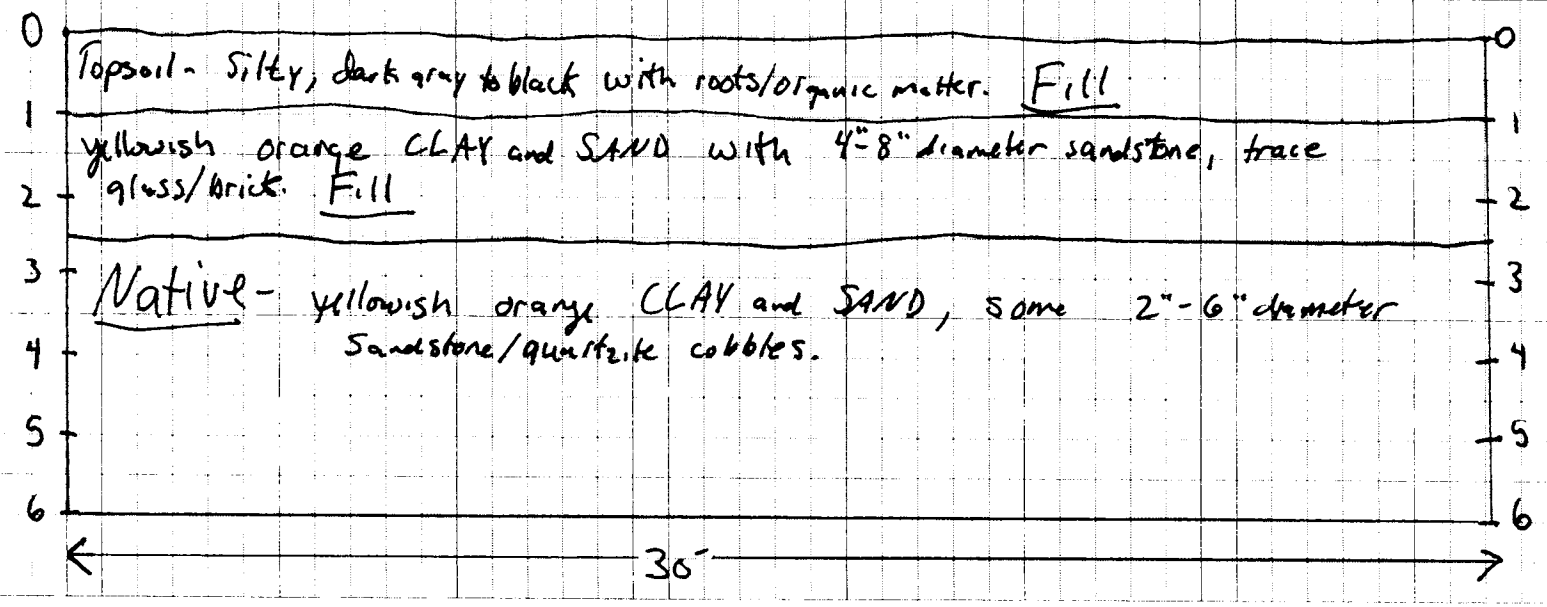
Test Pit Classification Log	Project: Fort McClellan, SAD TERC Parcel# 79(7) Date: 3/23/00 * Provide Sketch of Sidewall Geologist: Denton Hill	Trench Location: T79-11 Equipment used: CAT 320B Track hoe	Page 2 of 2 Pages Excavation size: 30' X 3' X 6' = 540 ft³ Length Width Depth Volume

*Plan View



Topographic surface

*Profile view



TEST PIT CLASSIFICATION LOG

(continuation sheet)

~~Parcel~~ Number: Trench T79-11

Project: Fort McClellan, SAD TERC

Geologist: Denton Hill

Sheet 3 of 3 Sheets

Elev (ft)	Depth (ft) bgs	Description of Materials	USCS/ Litho	Field Screening Results (ppm)	COMMENTS
	0	Topsoil: Silty, dark gray black with roots/organic. Fill		~~Silty with FSD~~	
	1	Yellowish orange CLAY and SAND, with 4-8" diameter Sandstone. Fill	SC		Fill: trace glass/brick.
	2				
	3	Yellowish orange CLAY and SAND, some 2-6" diameter Sandstone/quartzite cobbles	SC		
	4				
	5				
	6				Bottom of Trench at 6' bgs
	7				
	8				
	9				
	10				

~~Project~~ Fort McClellan, SAD TERC

~~Parcel~~ Number Trench T79-11

trenchHtrwlog

TRENCH LOG	District: Mobile USACE	Trench Number: T80-1
Company Name: IT Corporation		Sheet 1 of 3 Sheets

Project: Fort McClellan, SAD TERC, Landfill/Fill Area Invest.	Location: Calhoun County, Anniston, Alabama
Name of Equipment Operator: DAVID AYALA	Manufacturer's Designation of Equipment: CAT 320 TRACKHOE
Sizes and Types of Equipment: PID, LEL, FID	Trench Location: LANDFILL 3 PARCEL 80(6)
	Surface Elevation: 730 MSL
	Date Started: 3/3/00 — Date Completed: 3/3/00
Overburden Thickness: 10'	Total Depth of Trench: 10'
Depth Rock Encountered: NA	Total Length of Trench: 60'
Disposition of Trench: Backfilled ✓	Signature of Geologist: Denton Hill

Location Sketch/Comments — Scale: AS SHOWN

DETECTIONS EXCEEDING BACKGROUND LIMITS WERE NOT ENCOUNTERED DURING TRENCHING OPERATIONS USING THE PHOTOIONIZATION DETECTOR AND LOWER EXPLOSIVITY LIMIT DETECTOR. THE FLAME IONIZATION DETECTOR RECORDED AND MAINTAINED READINGS OF 21.4 ppm AND 15.1 ppm DURING TRENCHING OPERATIONS.

TRENCHS EXCAVATIONS PERFORMED IN LEVEL C PPE.
FILL MATERIAL EXTENDS GREATER 10' BELOW GROUND SURFACE.

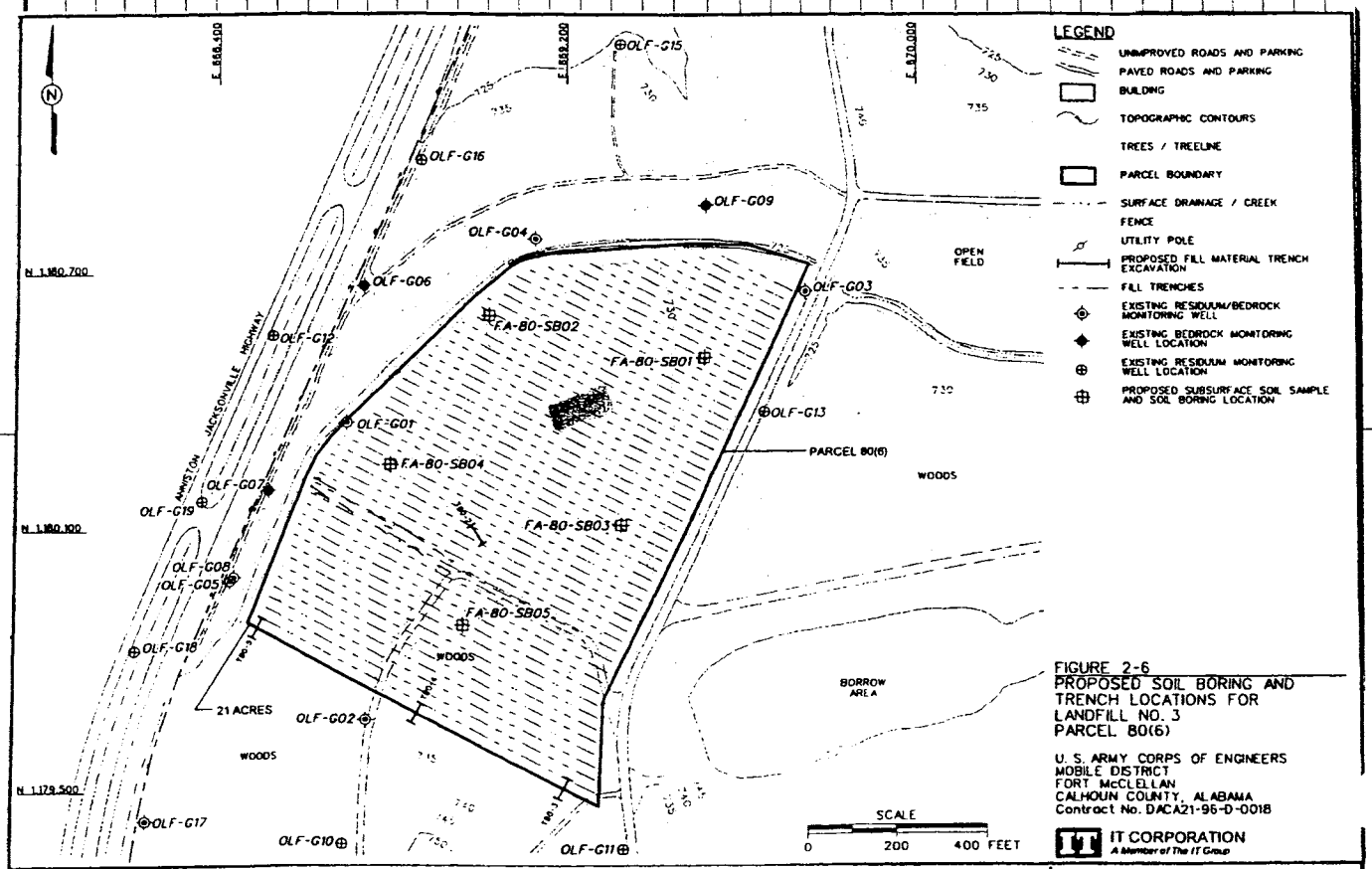


FIGURE 2-6
PROPOSED SOIL BORING AND TRENCH LOCATIONS FOR LANDFILL NO. 3 PARCEL 80(6)

U. S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
FORT McCLELLAN
CALHOUN COUNTY, ALABAMA
Contract No. DACA21-96-D-0018

IT CORPORATION
A Member of The IT Group

Project: Fort McClellan, SAD TERC, Landfill/Fill Area Investigation	Trench Number: T80-1