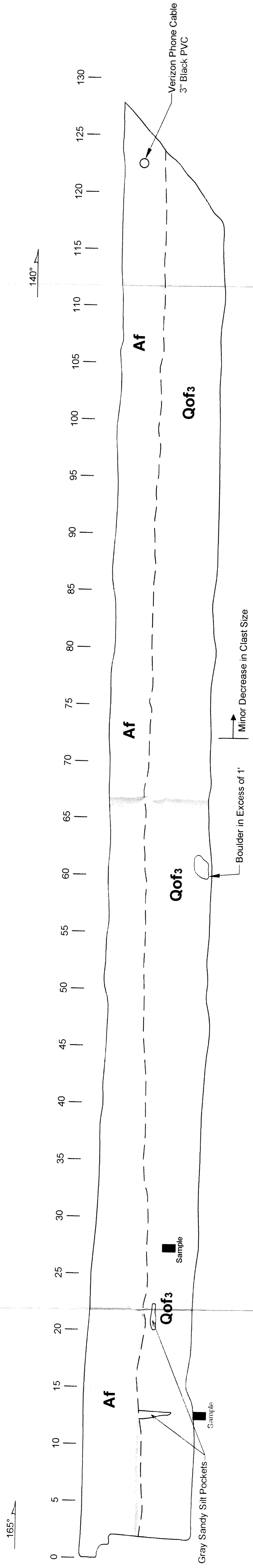


TP-1 Logged By: JSM/JMD
Date Logged: April 21, 2004

FILL; Af, silty sand, medium brown, moderately firm, slightly moist, abundant boulders and cobbles, up to 2' in length, concrete debris, electrical wires, metal debris, trash debris.

OLDER FAN DEPOSIT, UNIT 3; Qof3, silty sand, dark brown, moist, firm, moderate to abundant rock clast up to 12" in length.

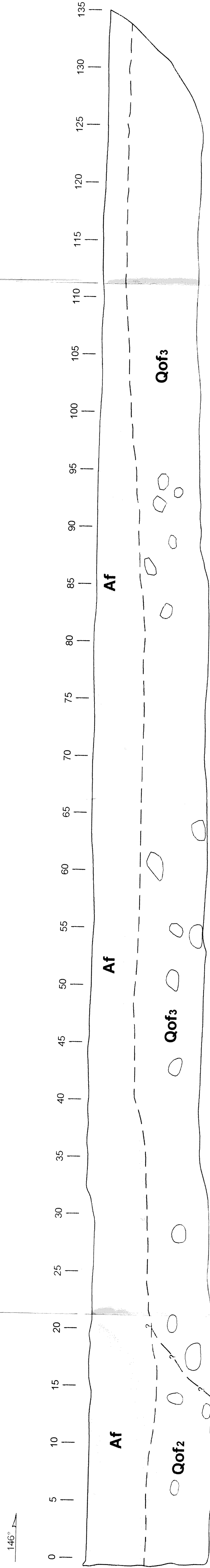


TP-2 Logged By: JSM/JMD
Date Logged: April 21, 2004

FILL; Af, silty sand, medium brown, moderately firm to moderately loose, trash debris, abundant rock fragments from 1/8 to 1.5' in length, occasional sand and clay stringers.

OLDER FAN DEPOSIT, UNIT 2; Qof2, silty sand, medium brown, slightly moist, moderately firm to very firm, moderate cobbles and boulders up to 18" in length.

OLDER FAN DEPOSIT, UNIT 3; Qof3, pebbly silty sand, medium to dark brown, slightly moist, firm, moderate cobbles and boulders up to 18" in length.

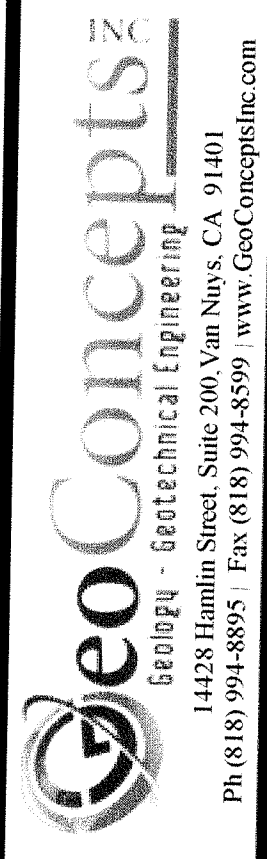
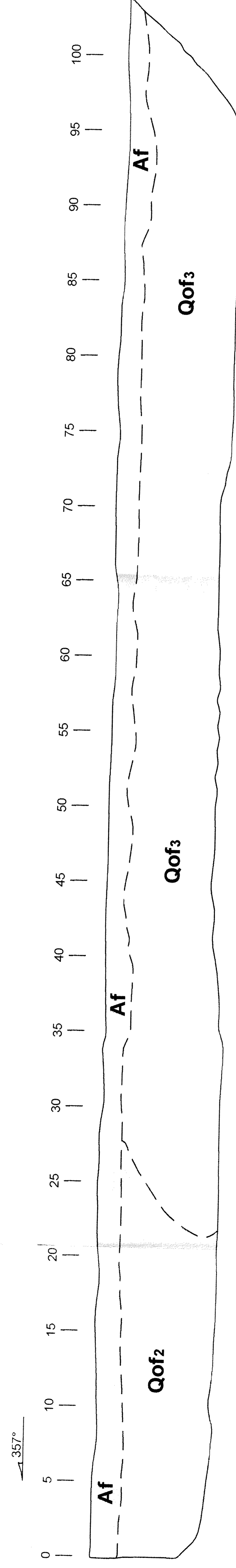


TP-3 Logged By: JSM
Date Logged: April 22, 2004

FILL; Af, silty sand, medium brown, slightly moist, firm, rock fragments 1/8" to 6" in length.

OLDER FAN DEPOSIT, UNIT 2; Qof2, silty sand, gray brown to yellow brown, slightly moist, moderately firm to very firm, abundant, large granitic clasts up to 12" in length.

OLDER FAN DEPOSIT, UNIT 3; Qof3, silty sand, gray brown to reddish brown, slightly moist, firm, moderate granitic clast 1/8" to 14" in length.



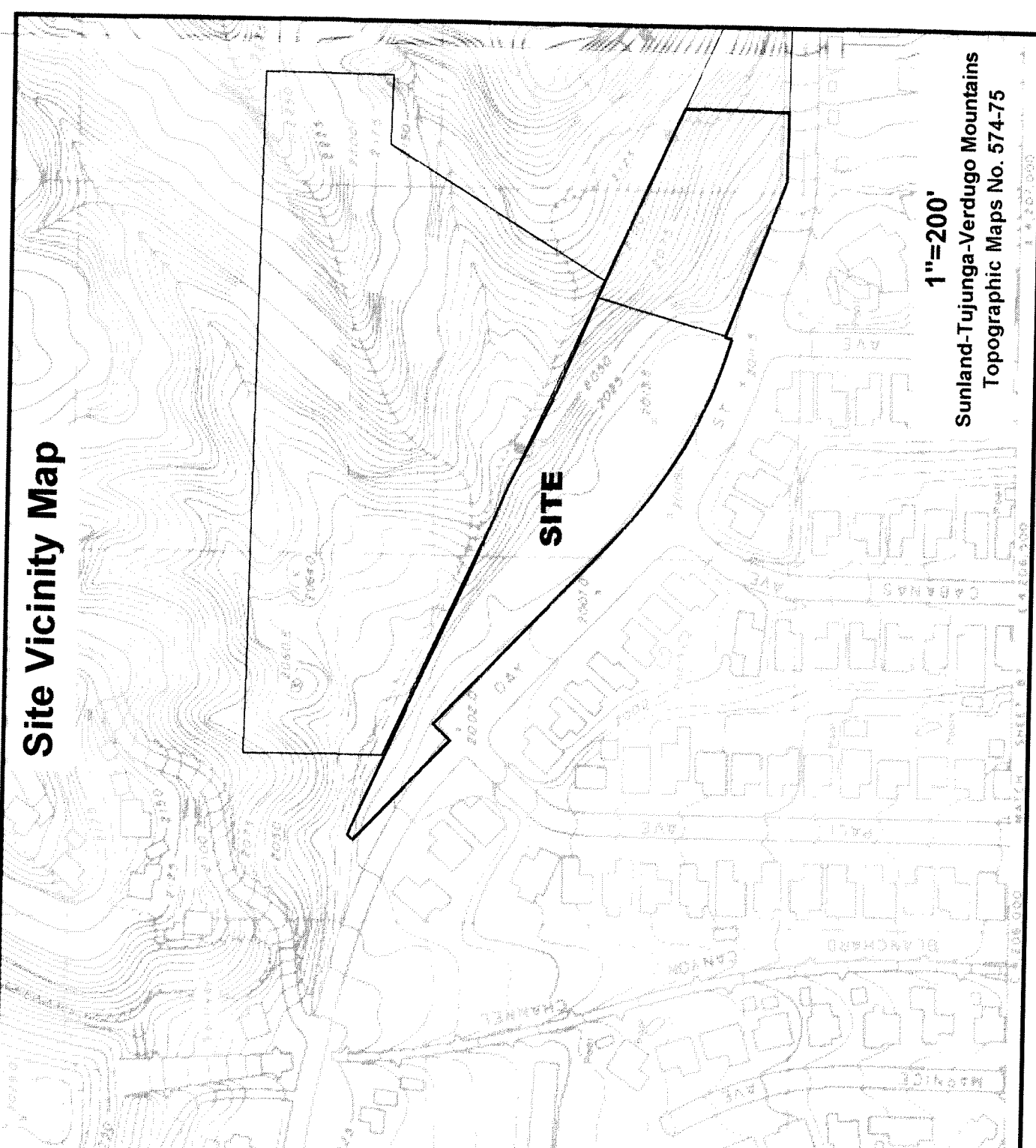
Description: **Geologic Trench Logs**

Project Address: **APN# 2571-001-027**
Day Street
Tujunga, California

Date: **Nov. 2014**
Scale: **1" = 5'**
Job No: **2793-4**



Explanation	
Af	Fill
Qc	Colluvium
Qoc	Older Colluvium / Paleosol
Qf	Fan Deposits
Qof1	Older Fan Deposits (Unit 1)
Qof2	Older Fan Deposits (Unit 2)
Qof3	Older Fan Deposits (Unit 3)
wd	Bedrock (Wilson Diorite)
TP-D	Location of Seismic Trenches (GeoConcepts, Inc., 2013-14)
TP-S	Location of Seismic Trenches (GeoConcepts, Inc., 2014)
33	Altitude of Bedding within Alluvial Deposits
33	Altitude of Fault Plane
33	Altitude of Shear Plane
33	Approximate Geologic Contact (Dotted Where Concealed)
Z	Line of Cross Section



LDC LAND DESIGN CONSULTANTS, INC.
 1428 Hamlin Street, Suite 200, Van Nuys, CA 91411
 Ph: (818) 994-8895 Fax: (818) 994-8599 www.GeoConcepts.com

TOPOGRAPHY MAP
 DAY STREET
 CITY OF LOS ANGELES
 ODDSSEY ENGINEERING SERVICES
 1428 Hamlin Street, Suite 200, Van Nuys, CA 91411
 Ph: (818) 994-8895 Fax: (818) 994-8599 www.GeoConcepts.com

GeoConcepts
 Geotechnical Engineering
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Geologic Map
 Description:
 Base Map Provided By:
 LAND DESIGN CONSULTANTS, INC.

Project Address:
 APN# 2571-001-027
 Day Street
 Tujunga, California

Date: Nov. 2014
 Scale: 1" = 40'
 Job No: 2793-4

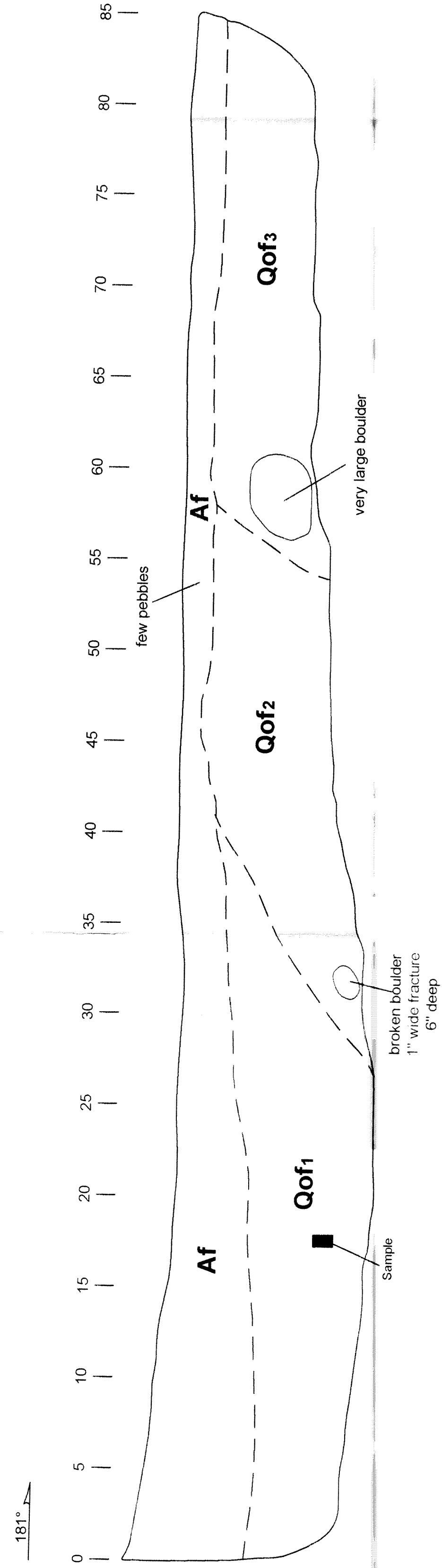
TP-4 Logged By: JSM
Date Logged: April 22, 2004

FILL: Af, silty sand, light to dark gray brown, slightly moist, moderately firm, rock fragments 1/8" to 12" in length, metal debris, asphalt debris.

OLDER FAN DEPOSIT, UNIT 1: Qof1, silty sand, medium brown to brown, slightly moist, firm to very firm, few rock fragments 1/8" to 12" in length.

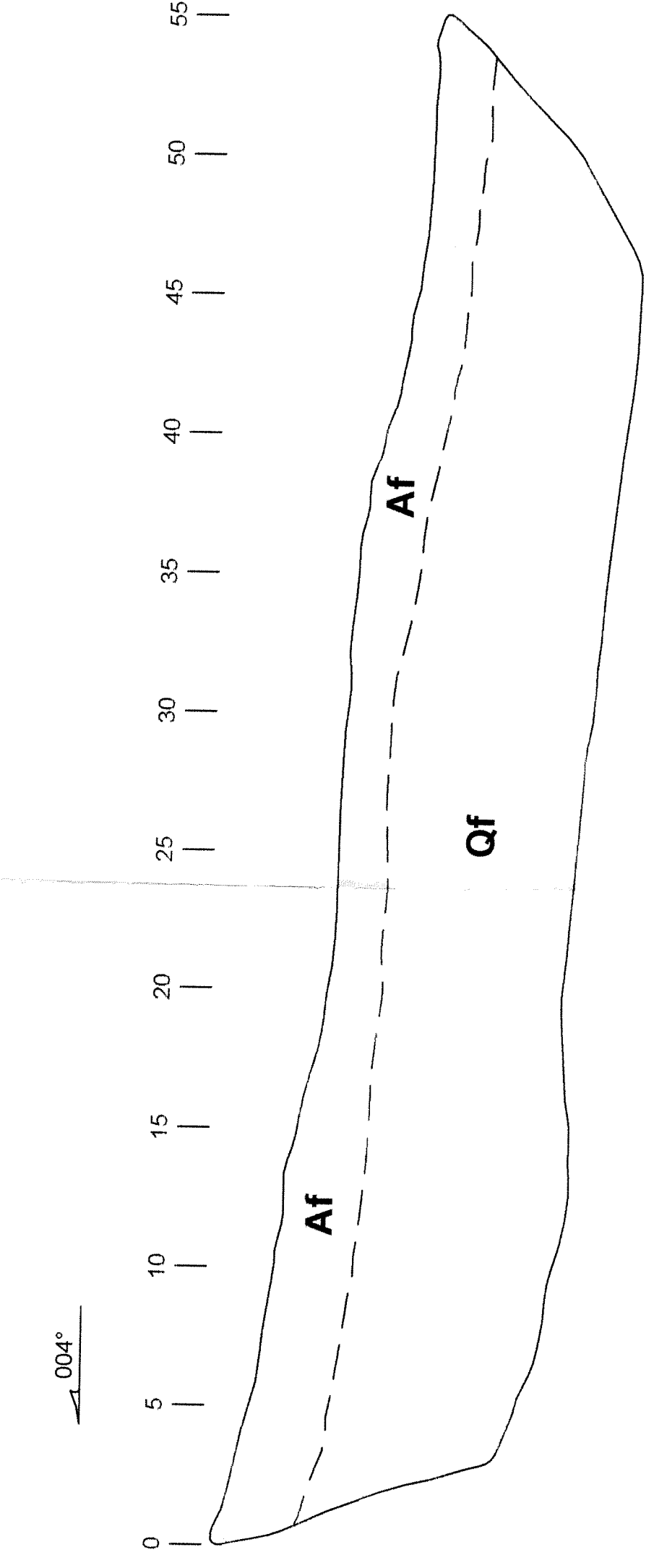
OLDER FAN DEPOSIT, UNIT 2: Qof2, sandy gravel, yellow brown to medium brown, moist, very dense, abundant large granitic clasts up to 12" in length.

OLDER FAN DEPOSIT, UNIT 3: Qof3, silty sand, dark gray brown, moist, firm, moderate granitic clast, 1/8" to 14" in length.



TP-5 Logged By: JSM
Date Logged: April 22, 2004

FILL: Af, silty sand, medium brown, slightly moist, moderately firm, metal debris, asphalt debris, plastic debris.
QUATERNARY FAN DEPOSIT, Qf, silty sand with abundant granitic clasts, light gray, slightly moist, firm, clasts up to 12" in length, occasional horizontal sandy pebble lens, similar to Qal in TP-1 and TP-2.



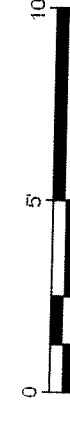
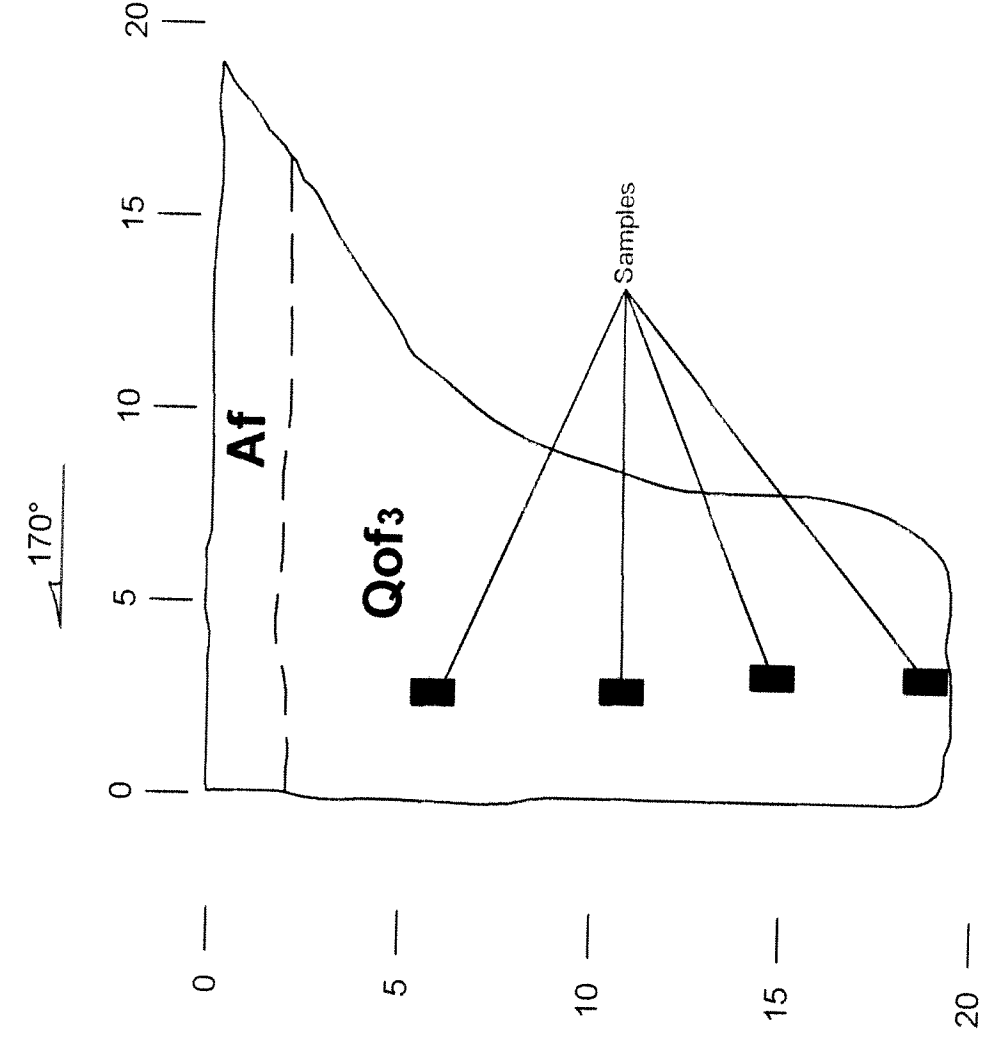
TP-6 Logged By: JSM
Date Logged: April 22, 2004

FILL: Af, silty sand, dark brown, slightly moist, moderately firm

OLDER FAN DEPOSIT, UNIT 3: Qof3, silty sand and sand, medium brown, slightly moist, moderately firm to firm, abundant granitic rock fragments 1/8" to 12" in length, localized horizontal sandy and pebbly lenses, @10.0' medium to coarse grained sands, few granitic rock fragments up to 12" in length.

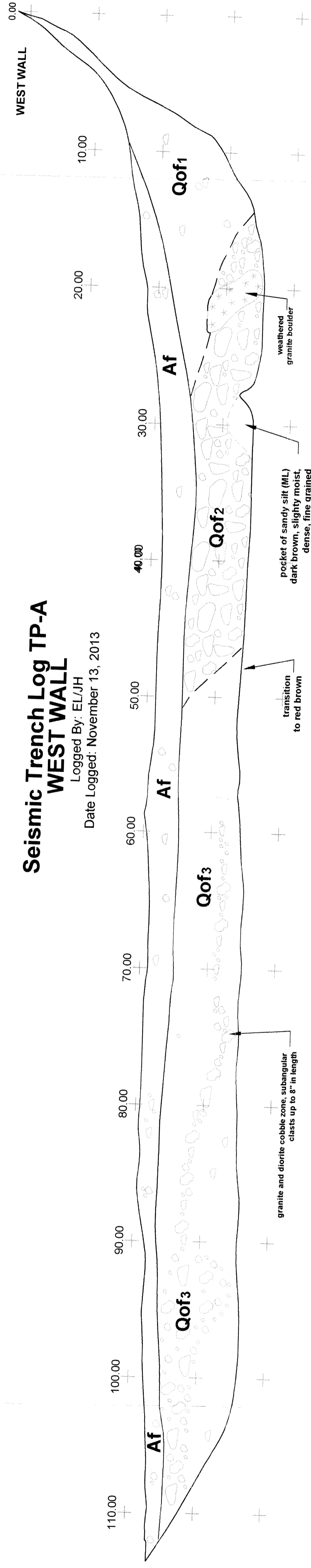
@15.0' silty sand, dark to medium brown, slightly moist, firm, rock fragments up to 10"

Total Depth 19.0 Feet



Seismic Trench Log TP-A WEST WALL

Logged By: EL/JH
Date Logged: November 13, 2013



FILL: Af, Silty sand (SM), medium brown, dry to slightly moist, slightly dense, fine to coarse grained, approximately 5% gravel and rock fragments up to 6 inches in diameter, angular to subangular clasts, concrete and asphalt fragments.

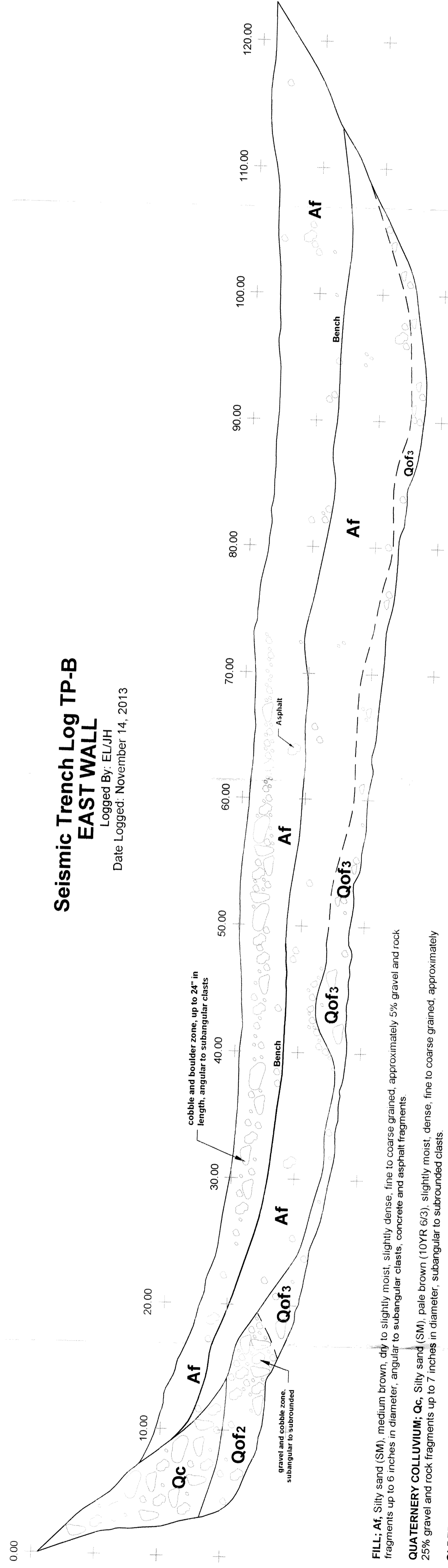
OLDER FAN DEPOSITS, UNIT 1: Qof1, Silty sand (SM), brown (7.5YR 4/3), slightly moist, dense, fine to coarse grained, approximately 5% gravel and rock fragments up to 3 inches in diameter, subangular to subrounded clasts.

OLDER FAN DEPOSITS, UNIT 2: Qof2, Silty sand (SM), yellow brown (10YR 5/4), slightly moist, dense, fine to coarse grained, approximately 5% gravel and rock fragments up to 3 inches in diameter, occasional boulders up to 18 inches in length, subrounded clasts.

OLDER FAN DEPOSITS, UNIT 3: Qof3, Silty sand (SM), dark brown (7.5YR 3/3), slightly moist, dense, fine to coarse grained, approximately 15% gravel and rock fragments up to 6 inches in diameter, subrounded clasts.

Seismic Trench Log TP-B EAST WALL

Logged By: EL/JH
Date Logged: November 14, 2013

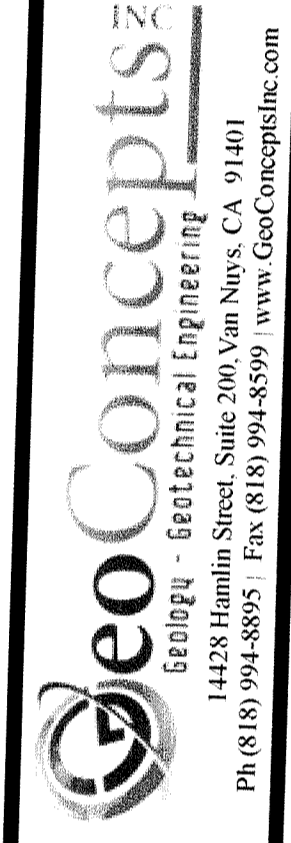
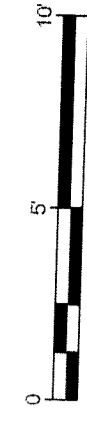


FILL: Af, Silty sand (SM), medium brown, dry to slightly moist, slightly dense, fine to coarse grained, approximately 5% gravel and rock fragments up to 6 inches in diameter, angular to subangular clasts, concrete and asphalt fragments.

QUATERNARY COLLUVIUM: Qc, Silty sand (SM), pale brown (10YR 6/3), slightly moist, dense, fine to coarse grained, approximately 25% gravel and rock fragments up to 7 inches in diameter, subangular to subrounded clasts.

OLDER FAN DEPOSITS, UNIT 2: Qof2, Silty sand (SM), yellow brown (10YR 5/4), slightly moist, dense, fine to coarse grained, approximately 5% gravel and rock fragments up to 3 inches in diameter, occasional boulders up to 18 inches in length, subrounded clasts.

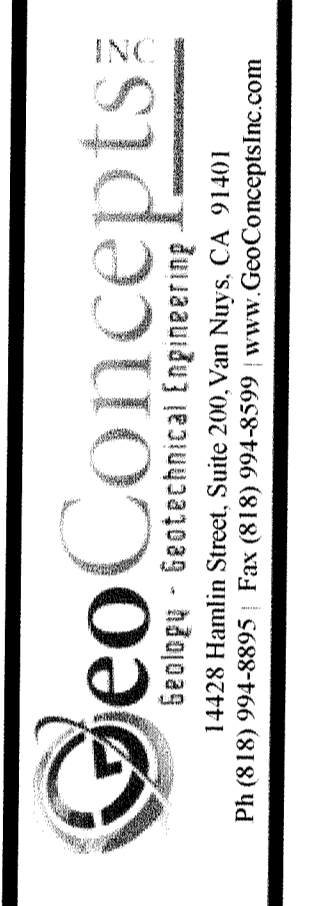
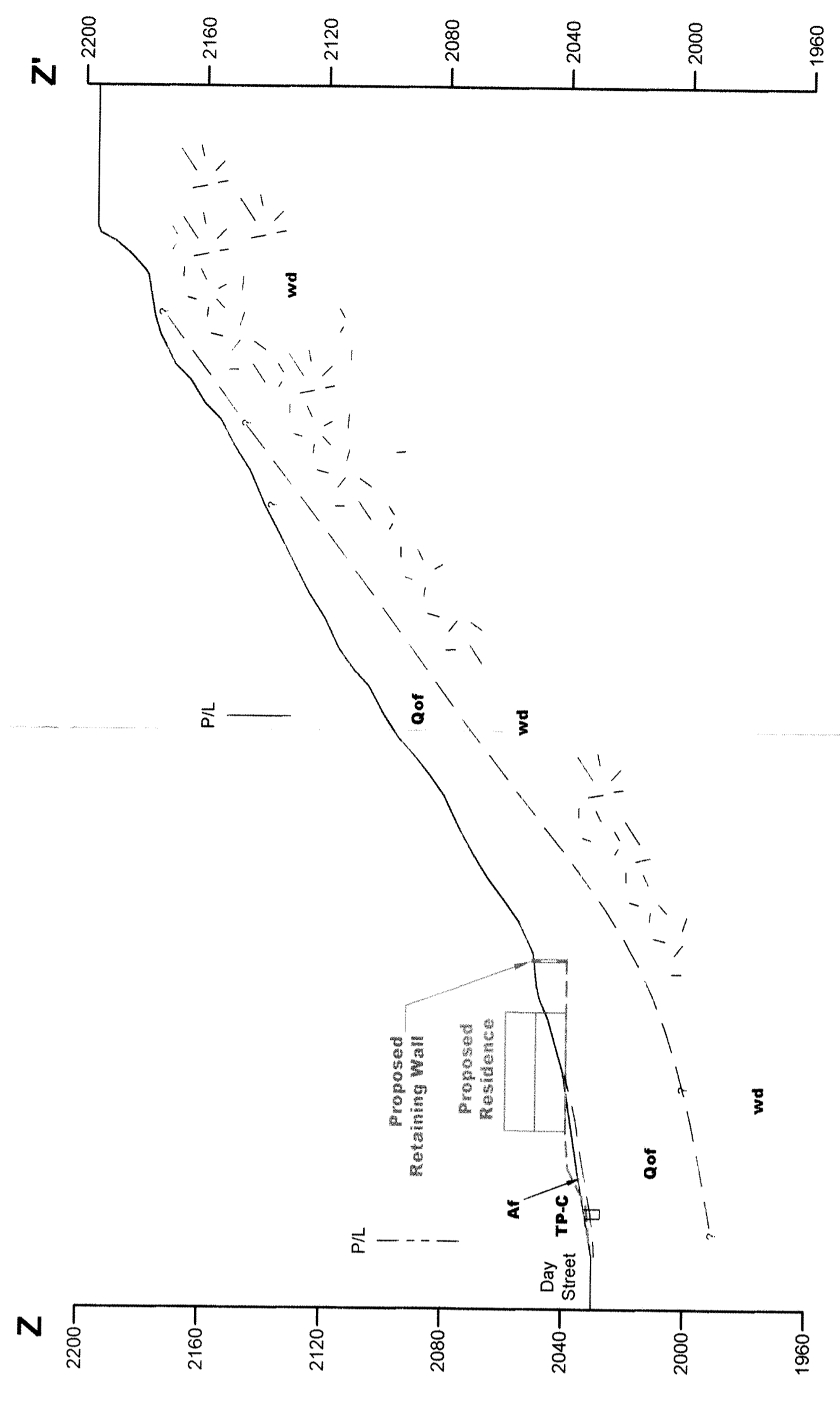
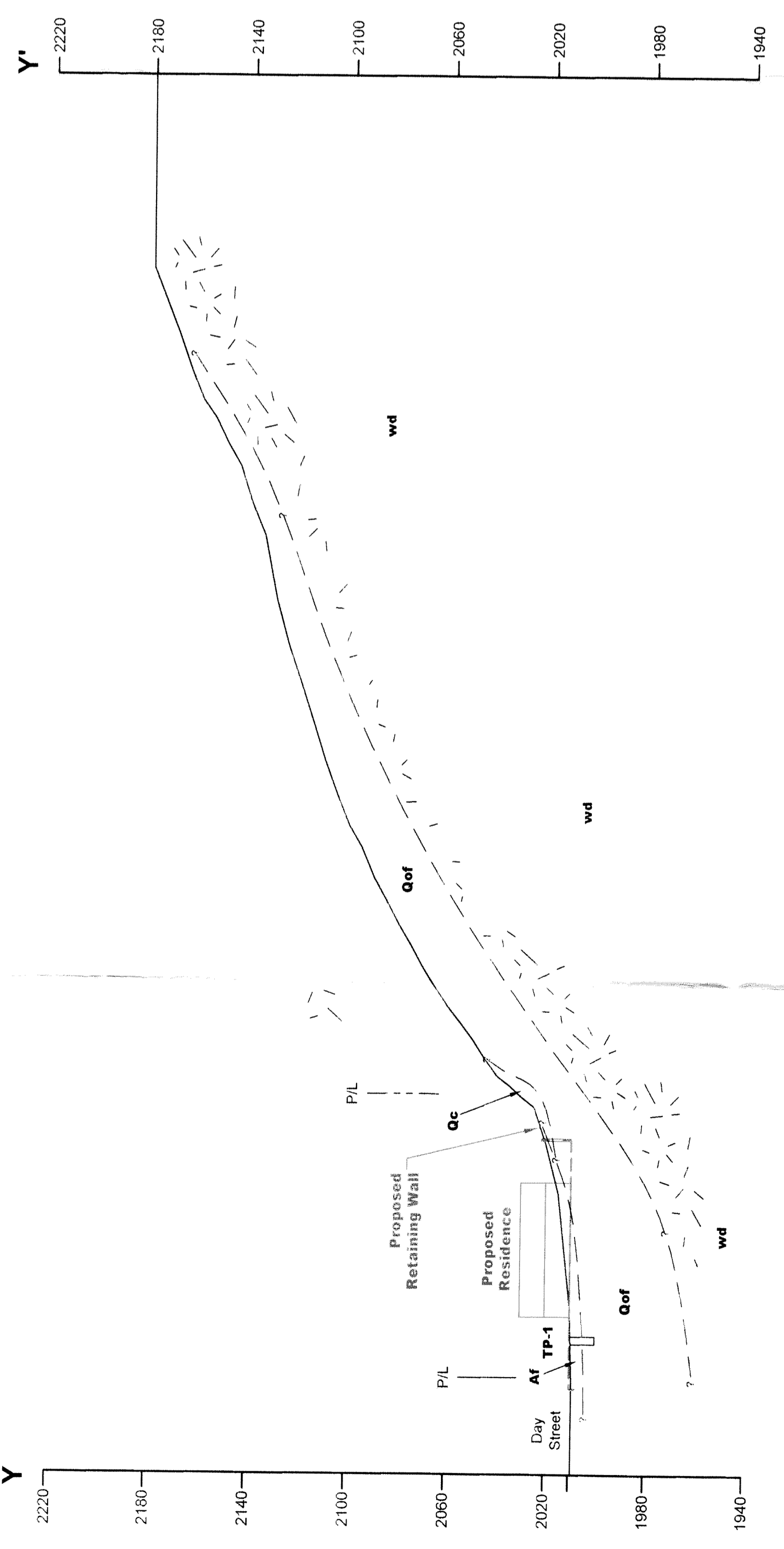
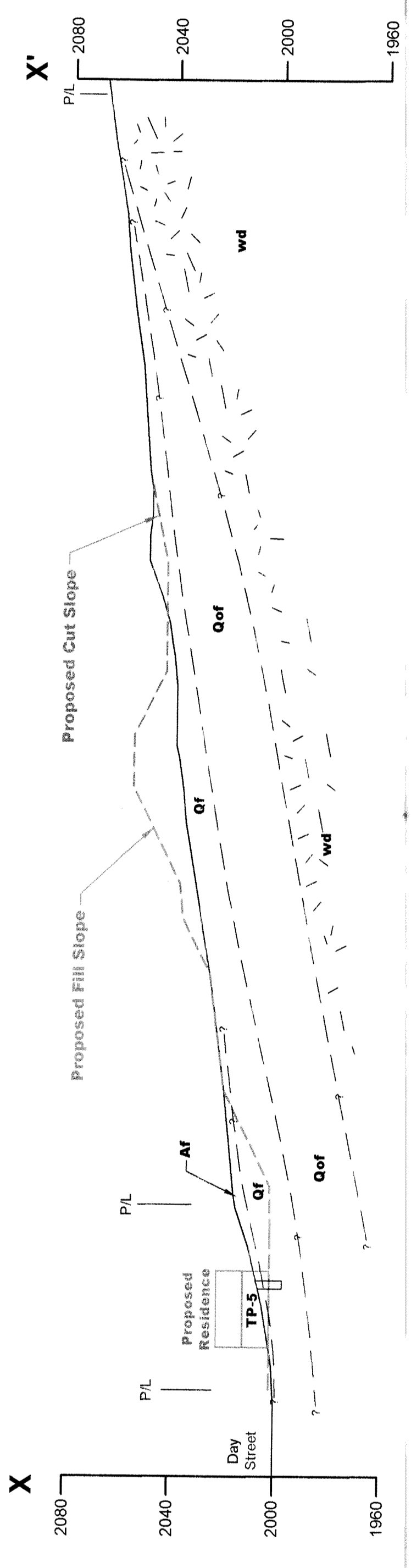
OLDER FAN DEPOSITS, UNIT 3: Qof3, Silty sand (SM), dark brown (7.5YR 3/3), slightly moist, dense, fine to coarse grained, approximately 15% gravel and rock fragments up to 6 inches in diameter, subrounded clasts.



Description: **Geologic Trench Logs**

Project Address: **APN# 2571-001-027
Day Street
Tujunga, California**

Date: **Nov. 2014**
Scale: **1" = 5'**
JOB No. **2793-4**



Description:
Geologic Cross Sections
 Base Map Provided By:
 LAND DESIGN CONSULTANTS, INC.

Project Address:
 APN# 2571-001-027
 Day Street
 Tujunga, California

Date: Nov. 2014
 Scale: 1" = 40'
 Job No. 2793-4

Seismic Trench Log TP-C

WEST WALL

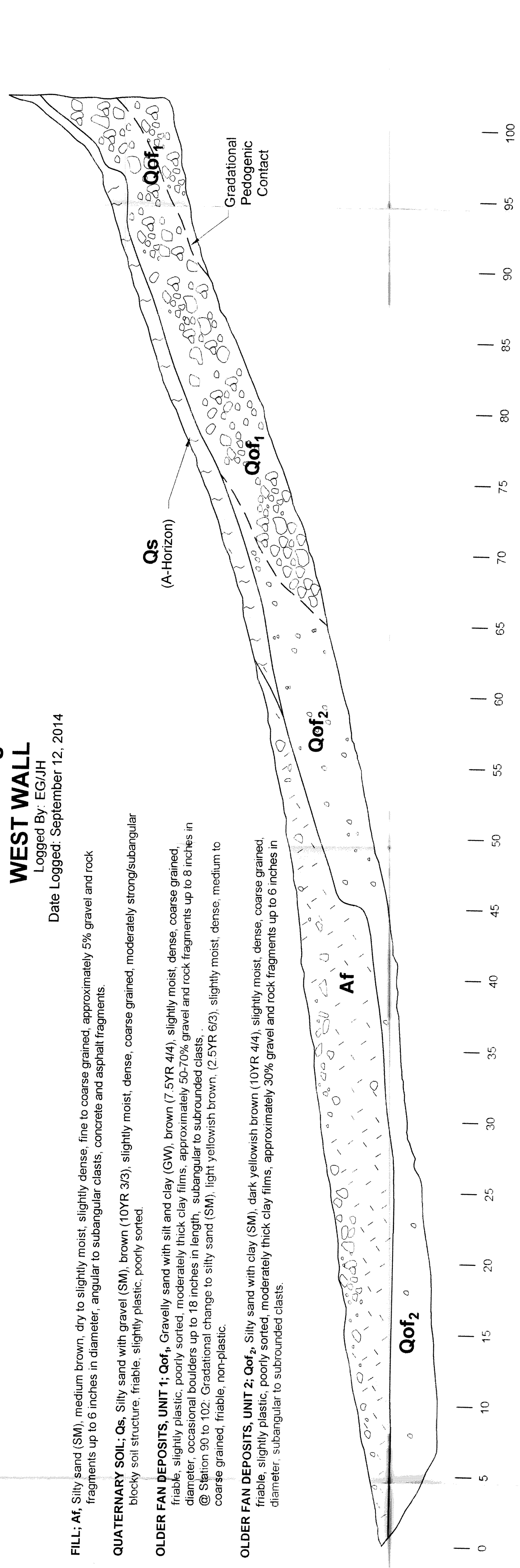
Logged By: EG/JH
Date Logged: September 12, 2014

FILL: Af, Silty sand (SM), medium brown, dry to slightly moist, slightly dense, fine to coarse grained, approximately 5% gravel and rock fragments up to 6 inches in diameter, angular to subangular clasts, concrete and asphalt fragments.

QUATERNARY SOIL: Qs, Silty sand with gravel (SM), brown (10YR 3/3), slightly moist, dense, coarse grained, moderately strong/subangular blocky soil structure, friable, slightly plastic, poorly sorted.

OLDER FAN DEPOSITS, UNIT 1: Qof₁, Gravely sand with silt and clay (GM), brown (7.5YR 4/4), slightly moist, dense, coarse grained, friable, slightly plastic, poorly sorted, moderately thick clay films, approximately 50-70% gravel and rock fragments up to 8 inches in diameter, occasional boulders up to 18 inches in length, subangular to subrounded clasts, coarse grained, friable, non-plastic.

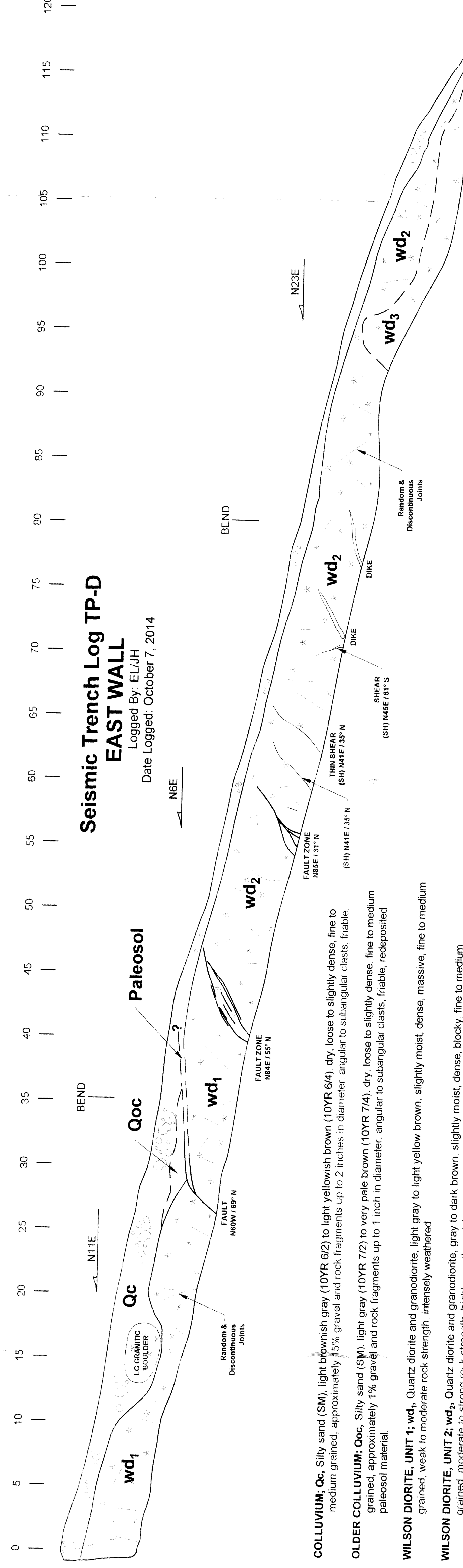
OLDER FAN DEPOSITS, UNIT 2: Qof₂, Silty sand with clay (SM), dark yellowish brown (10YR 4/4), slightly moist, dense, coarse grained, friable, slightly plastic, poorly sorted, moderately thick clay films, approximately 30% gravel and rock fragments up to 6 inches in diameter, subangular to subrounded clasts.



Seismic Trench Log TP-D

EAST WALL

Logged By: EL/JH
Date Logged: October 7, 2014



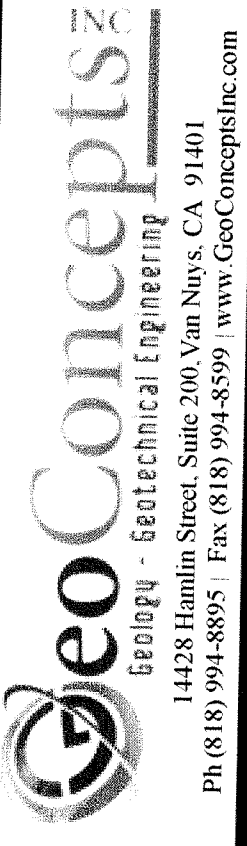
COLLUVIUM: Qc, Silty sand (SM), light brownish gray (10YR 6/2) to light yellowish brown (10YR 6/4), dry, loose to slightly dense, fine to medium grained, approximately 15% gravel and rock fragments up to 2 inches in diameter, angular to subangular clasts, friable.

OLDER COLLUVIUM: Qoc, Silty sand (SM), light gray (10YR 7/2) to very pale brown (10YR 7/4), dry, loose to slightly dense, fine to medium grained, approximately 1% gravel and rock fragments up to 1 inch in diameter, angular to subangular clasts, friable, redeposited paleosol material.

WILSON DIORITE, UNIT 1: wd₁, Quartz diorite and granodiorite, light gray to light yellow brown, slightly moist, dense, massive, fine to medium grained, weak to moderate rock strength, intensely weathered.

WILSON DIORITE, UNIT 2: wd₂, Quartz diorite and granodiorite, gray to dark brown, slightly moist, dense, blocky, fine to medium grained, moderate to strong rock strength, highly weathered, locally fractured with closely spaced, light, randomly oriented joints.

WILSON DIORITE, UNIT 3: wd₃, Quartz diorite and granodiorite, light gray to white, slightly moist, dense, massive, fine to medium



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