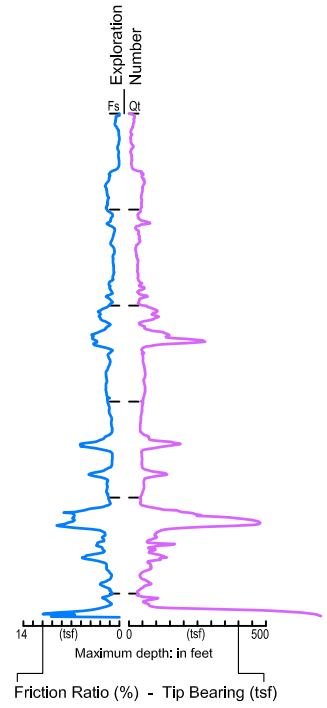


- NOTES:**
- A. "N" Value Standard Penetration Test: Number of blows required to drive the SPT sampler 12 inches using a 140 pound automatic hammer falling 30 inches. Inches of penetration (if less than 12 inches) indicated after N-Values.
  - B. Number of blows required to drive the Crandall Sampler 12 inches using an automatic hammer falling 18 inches (hammer weight varies). Inches of penetration (if less than 12 inches) indicated after blow count.
  - C. Percent passing No. 200 Sieve
  - D. Liquid Limit
  - E. Plasticity Index

**ROTARY & SONIC BORING**

NOTE: For Sonic Boring data A and B does not apply.



**CONE PENETRATION TEST (CPT) SOUNDING**

**Geotechnical / Soil-Gas Investigation:**

- G-207 Geotechnical Rotary-Wash Boring
- CB-105 CPT [Geotechnical + Gas - BAT]
- C-127 CPT [Geotechnical]
- S-118 Geotechnical Sonic Core

**Prior ACE Phase Investigations:**

- G-7 AMEC Geotechnical Exploration

**Prior Investigations:**

- M A-69036 AMEC Geotechnical Exploration
- CWDD 18 CWDD Converse Ward Davis Dixon (1981)
- WWC 4 Woodward Clyde Consultants (1977)

**Symbols Legend:**

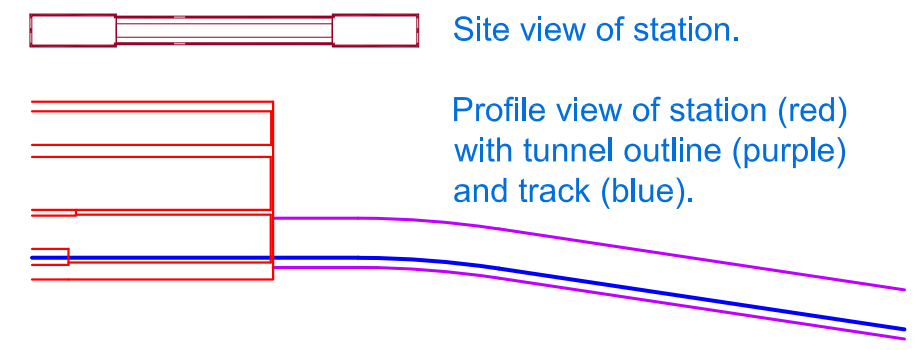
- Site view of tracks (blue), tunnel outlines (magenta dash) with perpendicular lines representing cross passages. Cross passages on profile not shown.
- 12/24/08 Ground-water depth measured during 2009 to 2011 in an observation well, drilled by AMEC and date of measurement.
- Overnight Ground-water depth measured in a 2011 boring, drilled by AMEC.
- Ground-water depth measured during drilling of a boring in 2011, by AMEC.
- Geologic contact line (? where queried).

**Geologic Units:**

- ARTIFICIAL FILL** (undocumented)
- YOUNGER ALLUVIUM** (Holocene) - predominantly sand, silt and clay
- OLDER ALLUVIUM** - varying layers of Silty Sand, Clayey/Silty Clay, and Silt with occasional gravel
- LAKESWOOD FORMATION** (late Pleistocene) - interbedded Silty sands, Silts, and Clays with clayey Sand Layers
- SAN PEDRO FORMATION** (mid Pleistocene) - predominately greenish gray and bluish gray fine-grained Sands, medium to coarse Sands and some Silt Layers.
- FERNANDO FORMATION** (Pliocene) - predominately massive Siltstone with some Claystone interbeds

Note: Alignment based on data provided by PB (7/15/2011)

**Symbols Legend:**



GROUP SYMBOLS AND NAMES	
Graphic/Symbol	Group Names
	FILL
	CLAYEY Artificial FILL
	SILTY SAND Artificial FILL
	SANDY Artificial FILL
	Lean CLAY
	SANDY lean CLAY
	CL
	Lean CLAY with GRAVEL
	SILTY CLAY
	CL-ML
	SILTY CLAY with GRAVEL
	Lean to fat CLAY
	CL-CH
	Lean to fat CLAY with GRAVEL
	Fat CLAY
	CH
	Fat CLAY with SAND
	Fat CLAY with GRAVEL
	ML
	SILT with SAND
	SANDY SILT
	MH
	Elastic SILT
	Elastic SILT with GRAVEL

GROUP SYMBOLS AND NAMES	
Graphic/Symbol	Group Names
	SM
	SILTY SAND
	SILTY SAND with GRAVEL
	SP-SM
	Poorly graded SAND with SILT
	Poorly graded SAND with SILT and GRAVEL
	SC-SM
	SILTY, CLAYEY SAND
	SILTY, CLAYEY SAND with GRAVEL
	SC
	CLAYEY SAND
	CLAYEY SAND with GRAVEL
	SP
	Poorly graded SAND
	Poorly graded SAND with GRAVEL
	SW
	Well-graded SAND
	Well-graded SAND with GRAVEL
	TAR
	Tar Impacted Soil

User Name: LAMorley Dec 05, 2011 @ 4:26pm File Name: G:\4953\_Geotech\2011\111421\_MetroWestside\CAD\4953-11-1421\_F&P-Plates(11.11).dwg [Plat.0]

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY	L. MORLEY
DRAWN BY	L. MORLEY
CHECKED BY	JAG / HP
IN CHARGE	MBH / PM
DATE	12/02/2011

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

PROJECT MANAGER \_\_\_\_\_

WESTSIDE SUBWAY EXTENSION PRELIMINARY ENGINEERING LEGEND FOR SOIL PROFILE

CONTRACT NO.	
DRAWING NO.	PLATE 2-0
SCALE	
SHEET NO.	