UserName: Larry.Morley Jan 11, 2012 @ 12:50pm FileName=> C:\Users\larry.morley\Documents\CAD\4953-11-1421_WSE\4953-11-1421_Gas-Data-Log-Plt4.dwg [Plt3-1]

WILSHIRE / LA CIENEGA STATION
WILSHIRE / FAIRFAX STATION
WILSHIRE / LA BREA STATION
WILSHIRE BOULEVARD
PLAN
STA 580+00
ALIGNMENTE
BEVERLY HILLS
LOS ANGELES
M-116
M-15
M-16
M-115
M-14
M-114
M-113
M-112
M-111
M-110
M-13
M-12
M-11
M-10
M-9
M-8
M-7
M-109
M-108
M-107
M-106
M-105
M-104
M-103
M-102
M-101
M-6
M-5
M-4
M-3
M-2
M-1
G-7A
G-7
G-6
G-5
G-4
G-3
G-2
CB-105
CB-104
CB-103
CB-102
CB-101
CWDD (CEG) 21
CWDD (CEG) 17
WWC 6
WWC 5
M L90123 ADEFO
M A-72204
M A-69235
M A-69228

Maximum Methane (CH$_4$) Concentration (%)
100
10
1
0.1
0.01
0.001
0.00001
0.00001
0.000001
UPPER EXPLOSIVE LIMIT (UEL = 15%)
LOWER EXPLOSIVE LIMIT (LEL = 5.3%)
LA JOLLA AVE
S. BURNSIDE AVE
2011 DATA
2009 DATA
Methane (CH$_4$)
580+00
560+00
540+00
520+00
500+00
480+00
460+00
440+00
420+00
400+00
Maximum Hydrogen Sulfide (H$_2$S) Concentration (ppm)
10000
1000
100
10
1
0.1
0.01
0.001
0.0001
OSHA PERMISSIBLE EXPOSURE LIMIT (PEL) = 20 ppm
NIOSH RECOMMENDED EXPOSURE LIMIT (REL) = 10 ppm
2011 DATA
2009 DATA
Hydrogen Sulfide (H$_2$S)
Maximum Gas Pressure (inches of H$_2$O)
1000
100
10
1
0.1
0.01
0.001
2011 DATA
2009 DATA
Gas Pressure (H$_2$O)

(Qal)
af
YOUNGER ALLUVIUM (Qal)
Qalo
Qlw
LAKEWOOD FORMATION (Qlw)
OLDER ALLUVIUM (Qalo)
SAN PEDRO FM (Qsp)
FERNANDO FM (Tf)
WILSHIRE / LA CIENEGA STATION
No. 10 DOUBLE CROSSOVER
WILSHIRE / FAIRFAX STATION
WILSHIRE / LA BREA STATION
NO.10 DOUBLE CROSSOVER
TOP OF TAR IMPREGNATED SOIL
TOP OF TAR-IMPREGNATED SOIL
LA CIENEGA BLVD
HAMILTON DR.
GALE DR.
SAN VICENTE BLVD
LA JOLLA AVE
CRESCENT HEIGHTS BL
FAIRFAX AVE
ORANGE GROVE AVE
OGDEN DR
SPAULDING AVE
CURSON AVE
MASSELIN AVE
RIDGELEY DR.
S. BURNSIDE AVE
DUNSMUIR AVE
COCHRAN AVE
CLOVERDALE AVE
LA BREA AVE
SYCAMORE AVE
MANSFIELD AVE
HIGHLAND AVE
McCADDEN PL.
JUNE ST.
RIMPAU BL.
MUIRFIELD RD.
FREEMONT PL.
ARDEN BL.
S. LUCERNE BL.
PLYMOUTH BL.
WINDSOR BL.
LORRAINE BL.
HORIZ: 100' 0 200' 400'
VERT: 40' 20' 0 40' 80'

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
ELLIOTT / MUNRO

DRAWN BY
L. MORLEY

CHECKED BY
JAG / HP

IN CHARGE
MBH / PM

DATE
01/11/2012

GAS SYMBOLS

MAXIMUM RECORDED VALUES

During 2009 to 2011

Methane (CH$_4$):

4	< 5% by Volume
25	5 - 25% by Volume
100	26 - 100% by Volume

Hydrogen Sulfide (H$_2$S):

0.7	0.7 ppm (Parts Per Million by Volume)

Pressure (H$_2$O):

0.7	0.7 inches of Water

NOTES:

1. Slash "/" indicates year taken (2011/2009) otherwise all data is 2011
2. W = Water encountered negating Data
3. H = High (off scale)
4. NA = No Measured Data (not available)
5. ▼ 5/26/11 Ground-Water Level and Date Measured
6. For clarity purposes Geotechnical Borings are not shown on Plan and Profile. Only Geologic Units and Contacts are shown on the Profile.

GROUNDWATER SYMBOLS :

▼ 12/24/08	Groundwater depth measured in an observation well and date of measurement (AMEC 2009 - 2011).
▼	Overnight Groundwater depth measured in a boring (AMEC 2011).
▽	Groundwater depth measured during drilling of a boring (AMEC 2011).
▼	Groundwater encountered during drilling (Metro, 2011).
↑	Seepage encountered during drilling (LC, 1969).

Metro

LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

PB 125 YEARS

PROJECT MANAGER

WESTSIDE SUBWAY EXTENSION
PRELIMINARY ENGINEERING

PLOT OF SUBSURFACE GAS DATA
FAIRFAX AREA

STATION 400+00 to 580+00

CONTRACT NO

DRAWING NO
PLATE 3-1

REV

SCALE
AS NOTED

SHEET NO