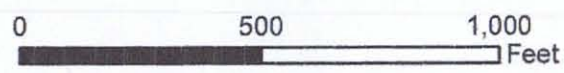


- LEGEND**
- Former Clay Borrow Pit - Landfill Property Boundary (Approximate)
 - Site Boundary
 - Natural Gas Pipeline**
 - People's Gas, Light & Coke Co. Pipeline
 - Kinder Morgan Pipeline
 - Nicor Pipeline

- X Previous soil boring conducted by MWRDGC
- Proposed Gas Monitoring Probe Location
- Recently Completed Gas Probe



METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO
NORTH PLANT

FIGURE 1
SITE LAYOUT AND SURROUNDING AREAS



DRAFT

Summary of May 4, 2014 Gas Probe Measurements
James Park
Evanston, Illinois

Probe	Screened Geologic Unit	Geologic Unit Depth Interval (Feet Below Surface)	Thickness (Feet)	Screen Interval#	Methane %	Carbon Dioxide %	Oxygen %	Balance %	Water Level* (Feet)	Static Pressure inches H2O
GMP1	Intertill sand seam	49.7 - 50.5+'	>0.8	45.4 - 52.0'	95	0.2	0.4	4.4	Dry	88^
GMP1A	Top of Dolomite Bedrock			68.2 - 73.8'	2.1	0	19.4	78.5	55.89	0.0
GMP2A	Top of Dolomite Bedrock			70.5 - 76.2'	0	0	19.8	80.2	52.7	0.0
GMP3	No Probe Installed	49.8-52.5+	>3.7	NA	NA	NA	NA	NA	NA	NA
GMP4	Intertill sand seam	51.5-52.7'	1.2'	49.0- 54.0'	90.1	0	2.6	7.3	29.03	3.8
GMP5	Intertill sand seam	49.7 - 50.9'	1.2'	48.0 - 53.0'	25.1	0	3.2	71.8	23.56	2.1
GMP6	Not installed, utility restrictions	NA	NA	NA	NA	NA	NA	NA	NA	NA
GMP7	Hardpan interface	No Sand	0'	49.0 - 54.0'	0	0	19.4	80.6	37	0.0
GMP8	Intertill sand seam	48.3 - 51.3'	3.0'	47.0 - 52.0'	91	0.1	0.4	2	NR^	8.5
GMP9	Hardpan interface	No Sand	0'	43.0 - 53.0	38	0	10	52	34.2	0.0
GMP10	Intertill sand seam	49.3 - 52.4'	3.1'	48.0 - 53.0	99.3	0	0.7	0	NR^	116.5^
GMP11	Intertill sand seam	51.7 - 53.0	1.3'	45.0 - 55.0	98.9	0	0.1	1	15.2	34.1
GMP12	Intertill sand seam	47.4 - 52.0	4.6'	45.0 - 55.0	20.7	0.4	16.6	62.3	NR^	0.3
GMP13	Intertill sand seam	49.9 - 50.3'	2.4'	45.0 - 55.0	19.4	0	12.5	68.1	24.36	0.4

Notes

- Screeninterval includes open intake interval below the lower seal to bottom of well.

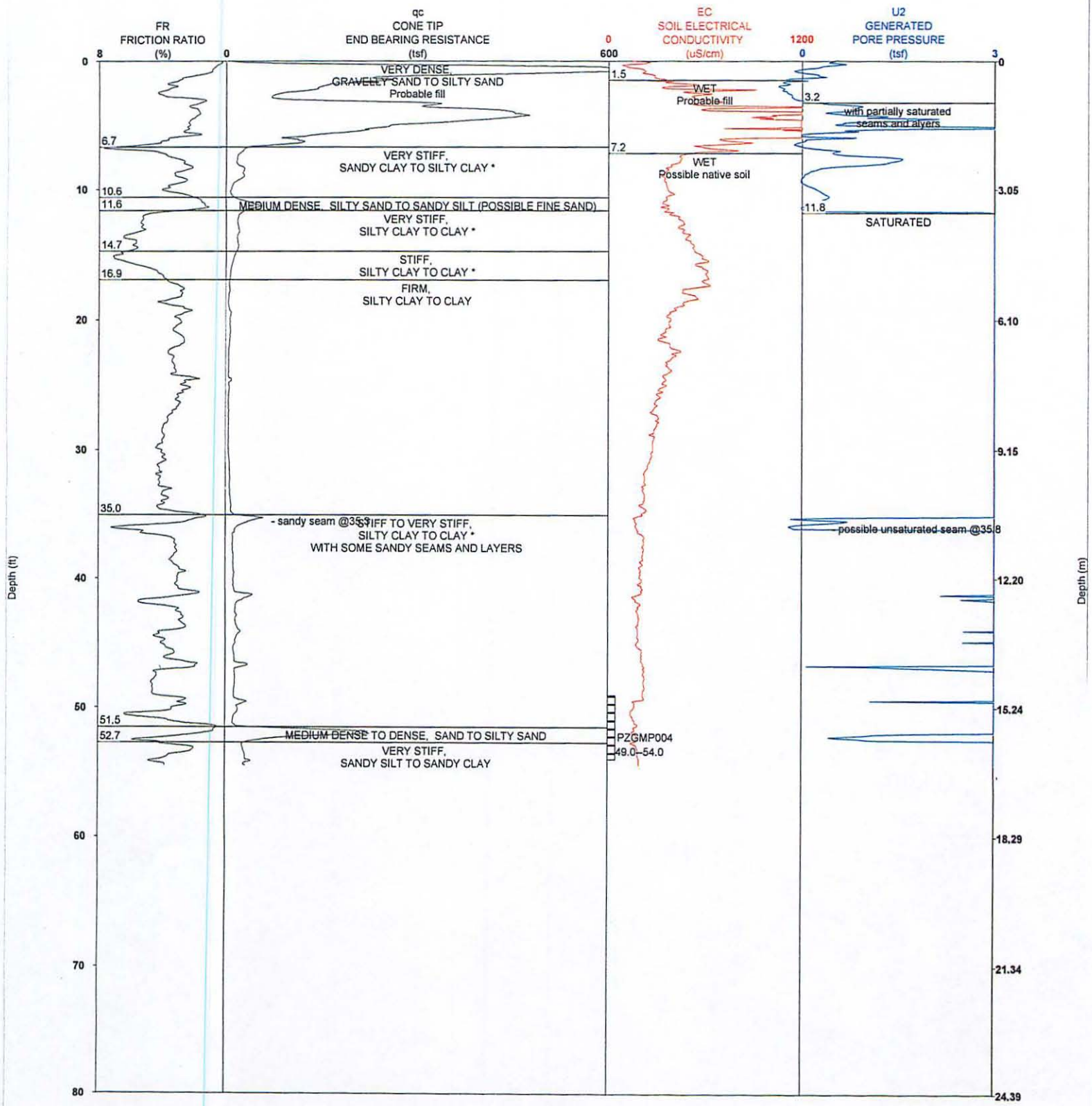
^ - pressure appears to be beyond instrument resolution range of 100 inches H2O. Recommend that Magnehelic gage be used to obtain more accurate reading.

Measurements Recorded on May 4, 2014.

Barometric Pressure Start of monitoring 30.08 inHg

Barometric Pressure Start of monitoring 30.07 inHg

ADVANCE FINAL CPTU-EC LOG WITH LITHOLOGIC EVALUATION CPGMP004



● 0 - 1600 ft/sec Shear S-wave Velocity

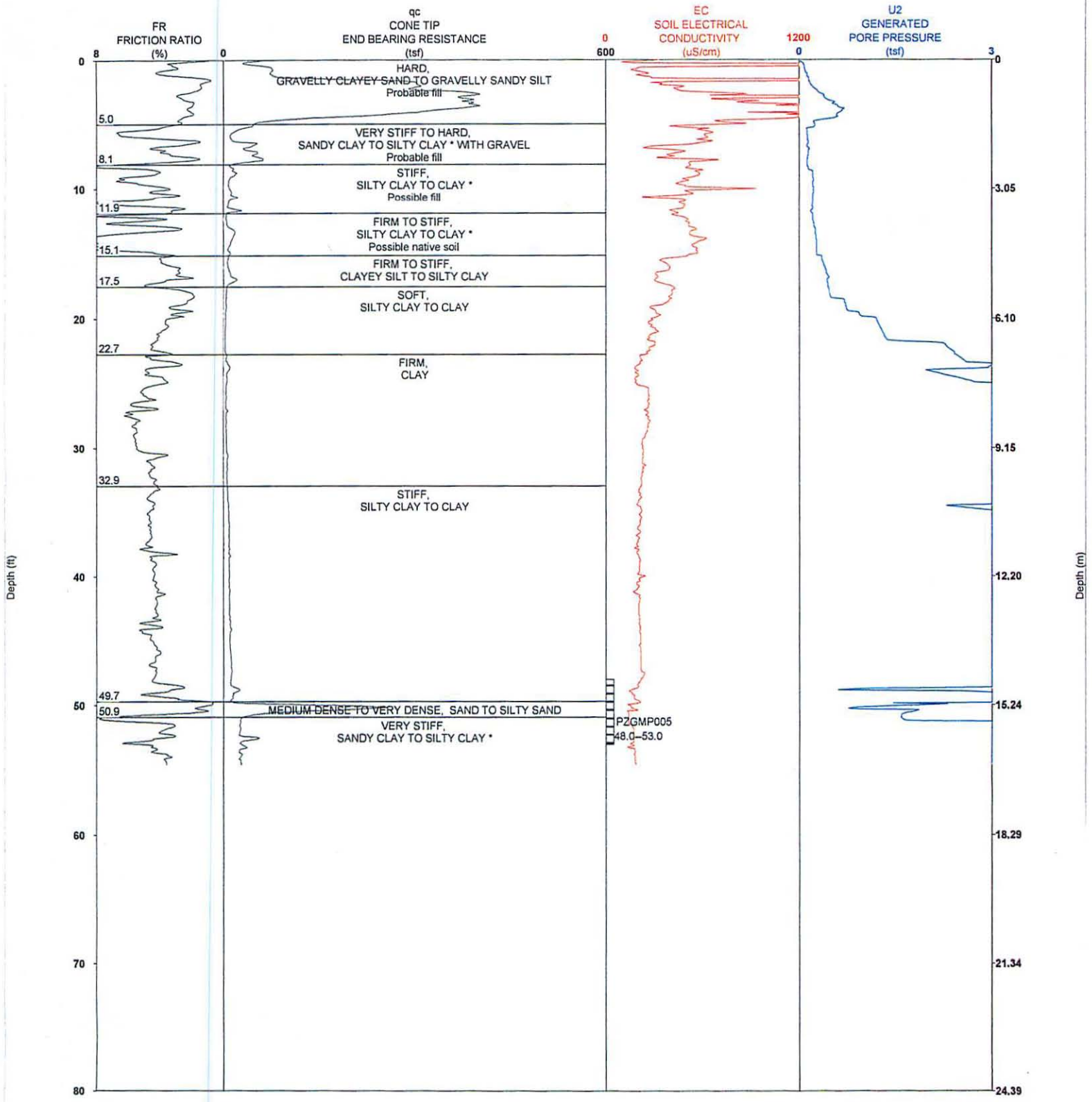
Latitude: 42.02288 Longitude: -87.70527

PROJECT NAME: Evanston James Park
PROJECT NUMBER: 14-120-020

STRATIGRAPHICS

R1 DATE: 4/29/2014 TIME: 10:03 AM
SOUNDING NUMBER: CPT-GMP-004 ()

ADVANCE FINAL CPTU-EC LOG WITH LITHOLOGIC EVALUATION CPGMP005



• 0 - 1600 ft/sec Shear S-wave Velocity

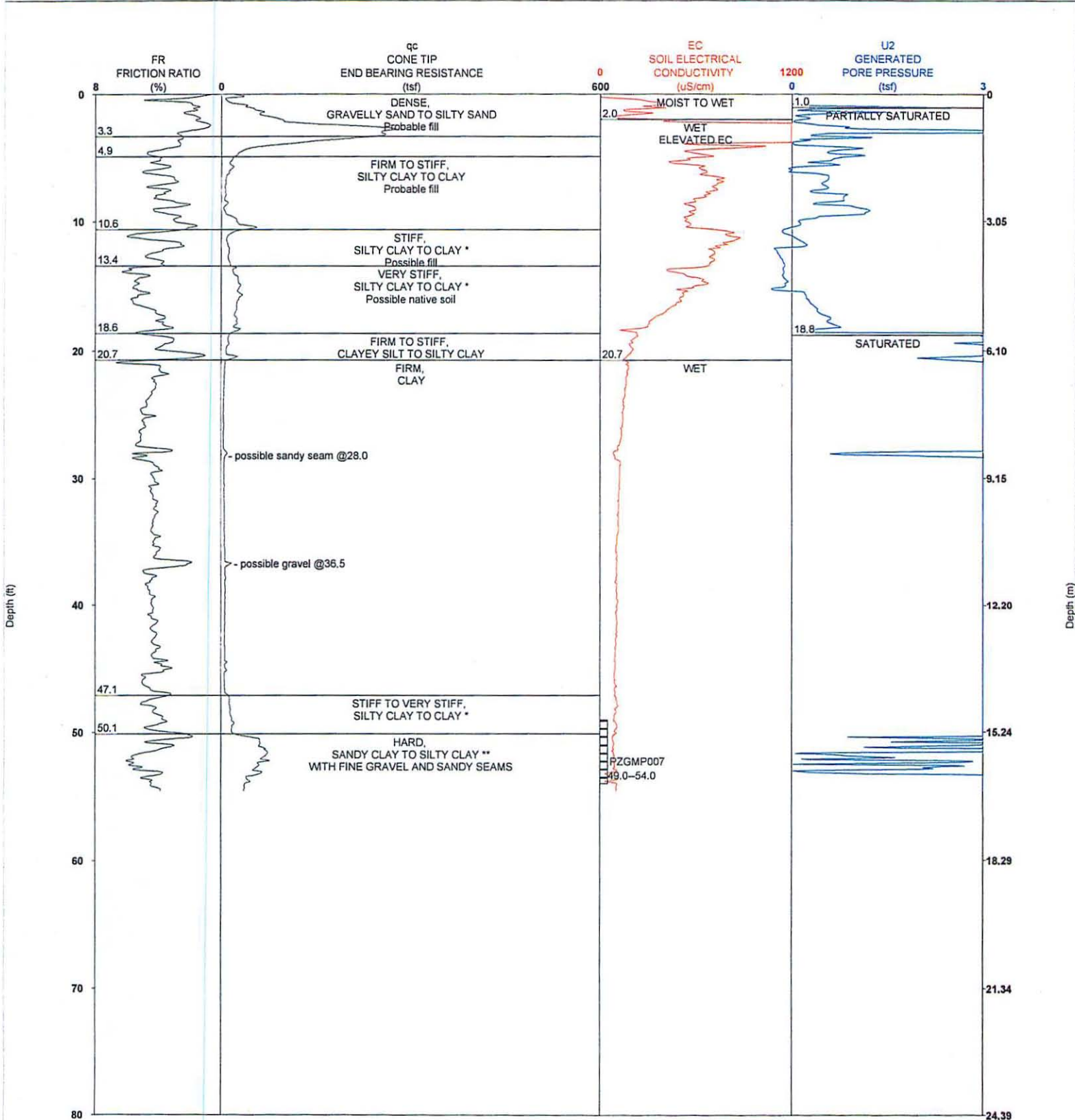
Latitude: 42.02294 Longitude: -87.70381

PROJECT NAME: Evanston James Park
PROJECT NUMBER: 14-120-020

STRATIGRAPHICS

R1 DATE: 4/29/2014 TIME: 3:50 PM
SOUNDING NUMBER: CPT-GMP-005 ()

ADVANCE FINAL CPTU-EC LOG WITH LITHOLOGIC EVALUATION CPGMP007



• 0 - 1600 ft/sec Shear S-wave Velocity

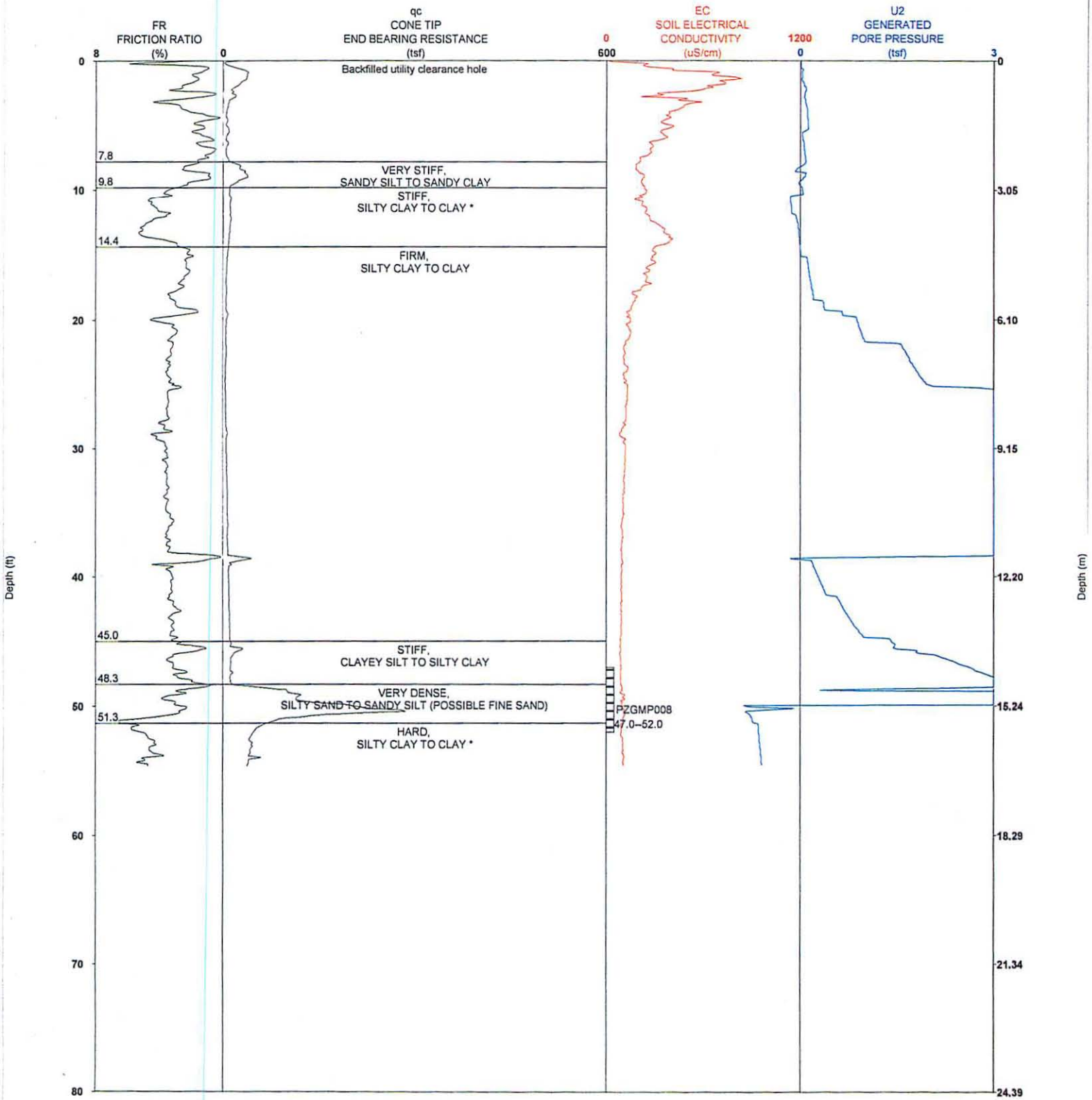
Latitude: 42.02296 Longitude: -87.70083

PROJECT NAME: Evanston James Park
PROJECT NUMBER: 14-120-020

STRATIGRAPHICS

R1 DATE: 4/30/2014 TIME: 10:57 AM
SOUNDING NUMBER: CPT-GMP-007 ()

ADVANCE FINAL CPTU-EC LOG WITH LITHOLOGIC EVALUATION CPGMP008



• 0 - 1600 ft/sec Shear S-wave Velocity

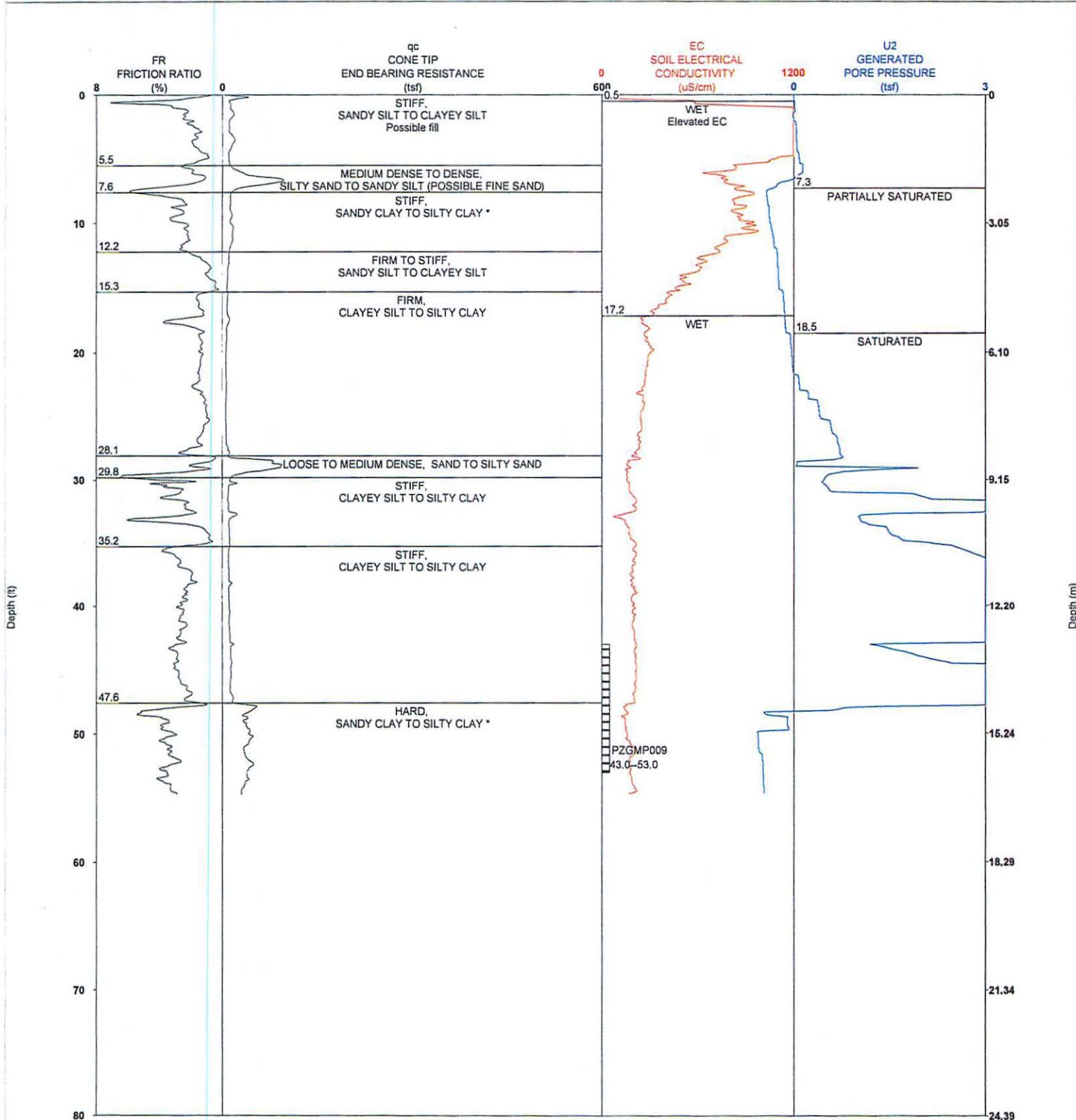
Latitude: 42.02360 Longitude: -87.69960

PROJECT NAME: Evanston James Park
PROJECT NUMBER: 14-120-020

STRATIGRAPHICS

R1 DATE: 4/30/2014 TIME: 2:23 PM
SOUNDING NUMBER: CPT-GMP-008 ()

ADVANCE FINAL CPTU-EC LOG WITH LITHOLOGIC EVALUATION CPGMP009



• 0 - 1600 ft/sec Shear S-wave Velocity

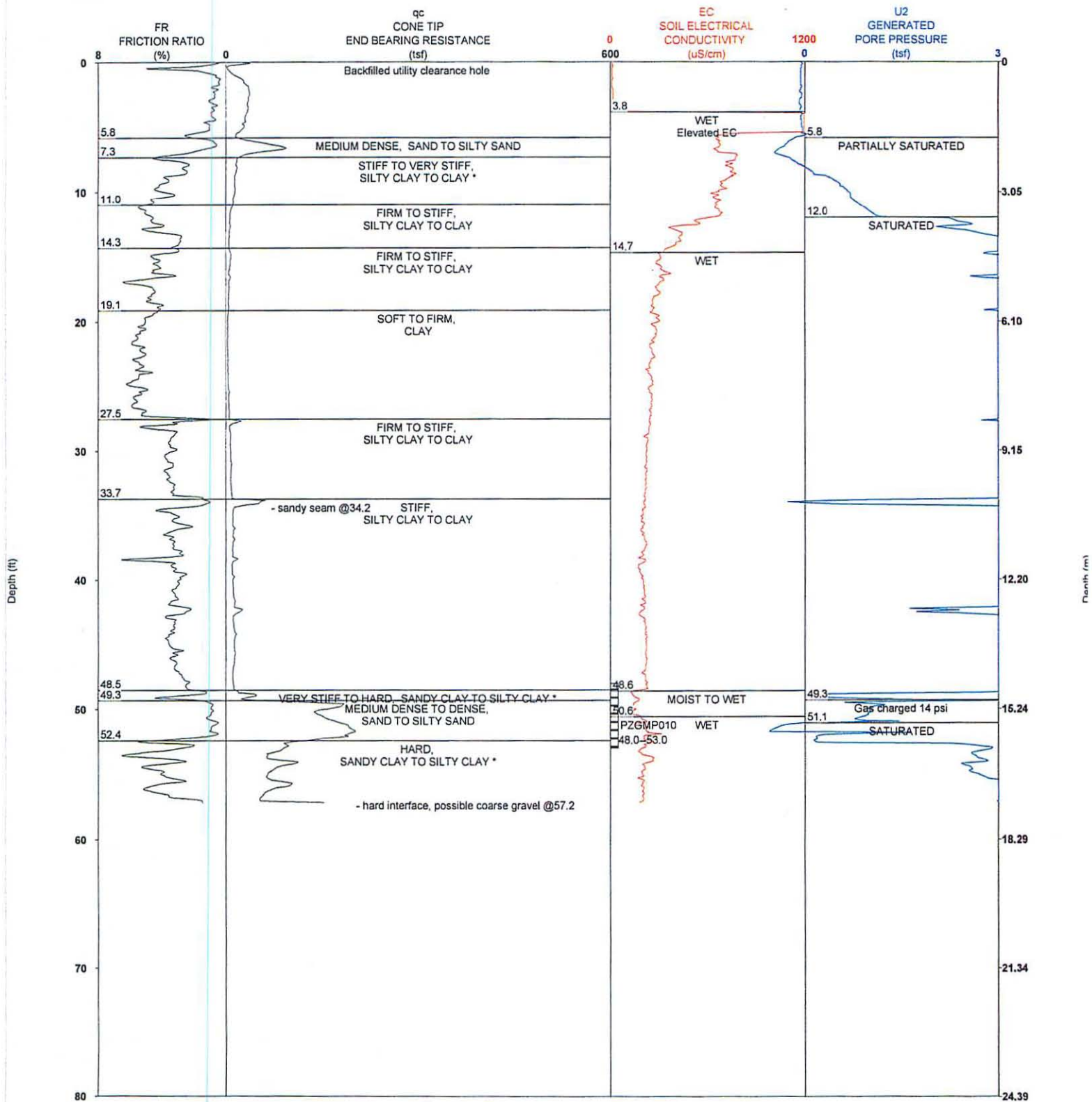
Latitude: 42.02464 Longitude: -87.69963

PROJECT NAME: Evanston James Park
PROJECT NUMBER: 14-120-020

STRATIGRAPHICS

R1 DATE: 5/2/2014 TIME: 12:33 PM
SOUNDING NUMBER: CPT-GMP-009 ()

ADVANCE FINAL CPTU-EC LOG WITH LITHOLOGIC EVALUATION CPGMP010



● 0 - 1600 ft/sec Shear S-wave Velocity

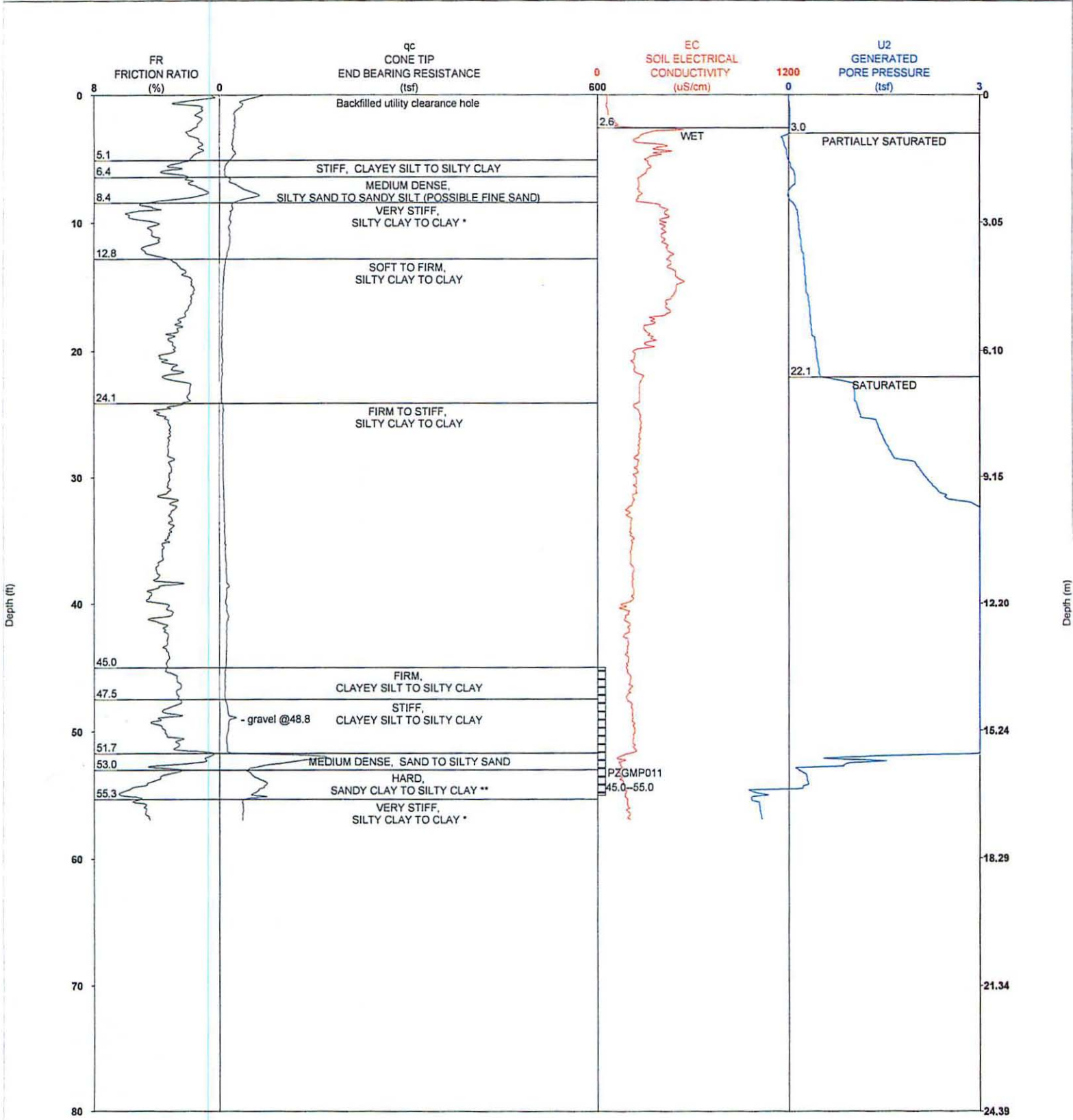
Latitude: 42.02599 Longitude: -87.69960

PROJECT NAME: Evanston James Park
PROJECT NUMBER: 14-120-020

STRATIGRAPHICS

R1 DATE: 5/2/2014 TIME: 9:46 AM
SOUNDING NUMBER: CPT-GMP-010 ()

ADVANCE FINAL CPTU-EC LOG WITH LITHOLOGIC EVALUATION CPGMP011



• 0 - 1600 ft/sec Shear S-wave Velocity

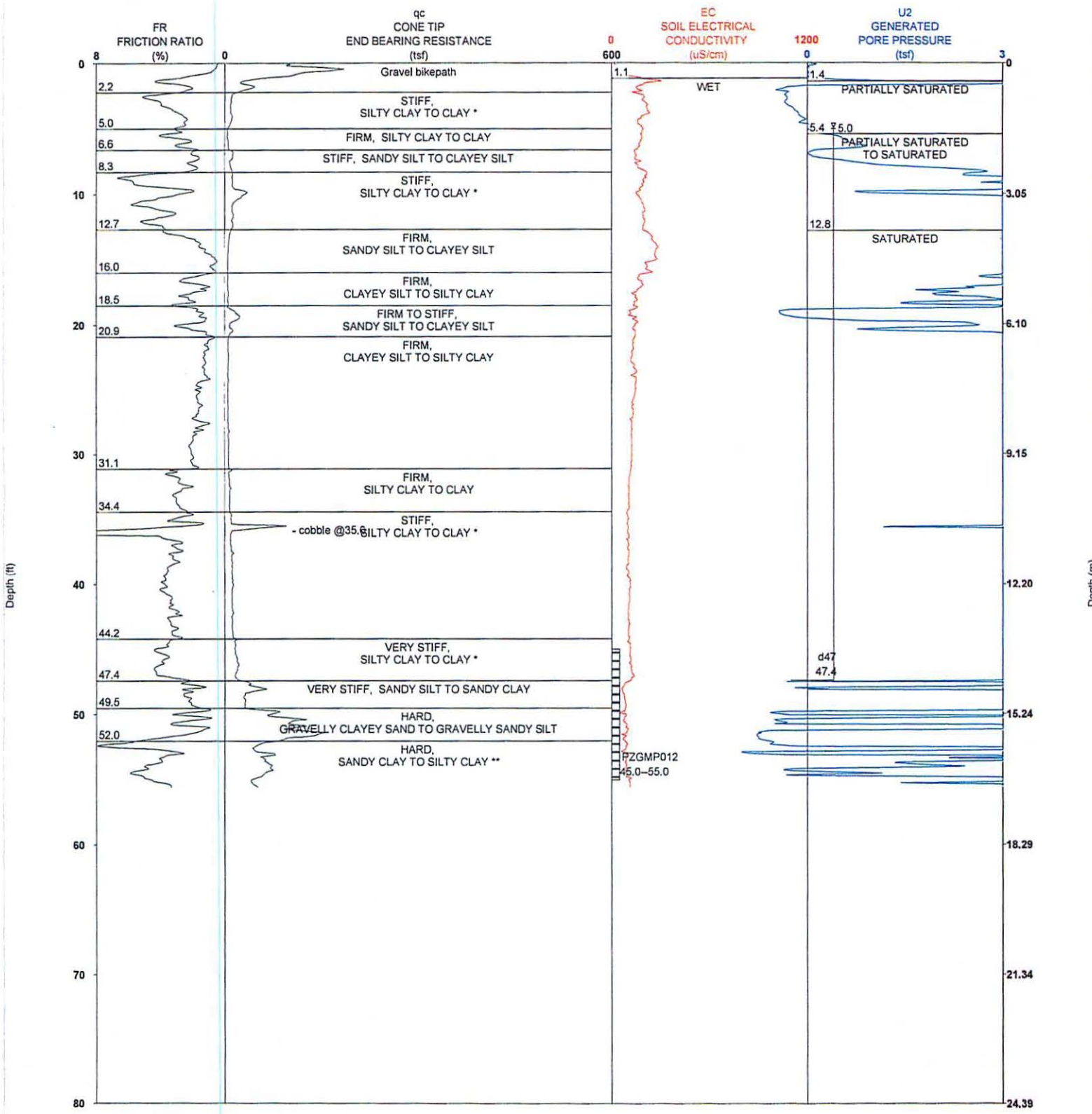
Latitude: 0.00000 Longitude: 0.00000

PROJECT NAME: Evanston James Park
PROJECT NUMBER: 14-120-20

STRATIGRAPHICS

R1 DATE: 5/1/2014 TIME: 1:51 PM
SOUNDING NUMBER: CPT-GMP-011

ADVANCE FINAL CPTU-EC LOG WITH LITHOLOGIC EVALUATION CPGMP012



0 - 1600 ft/sec Shear S-wave Velocity

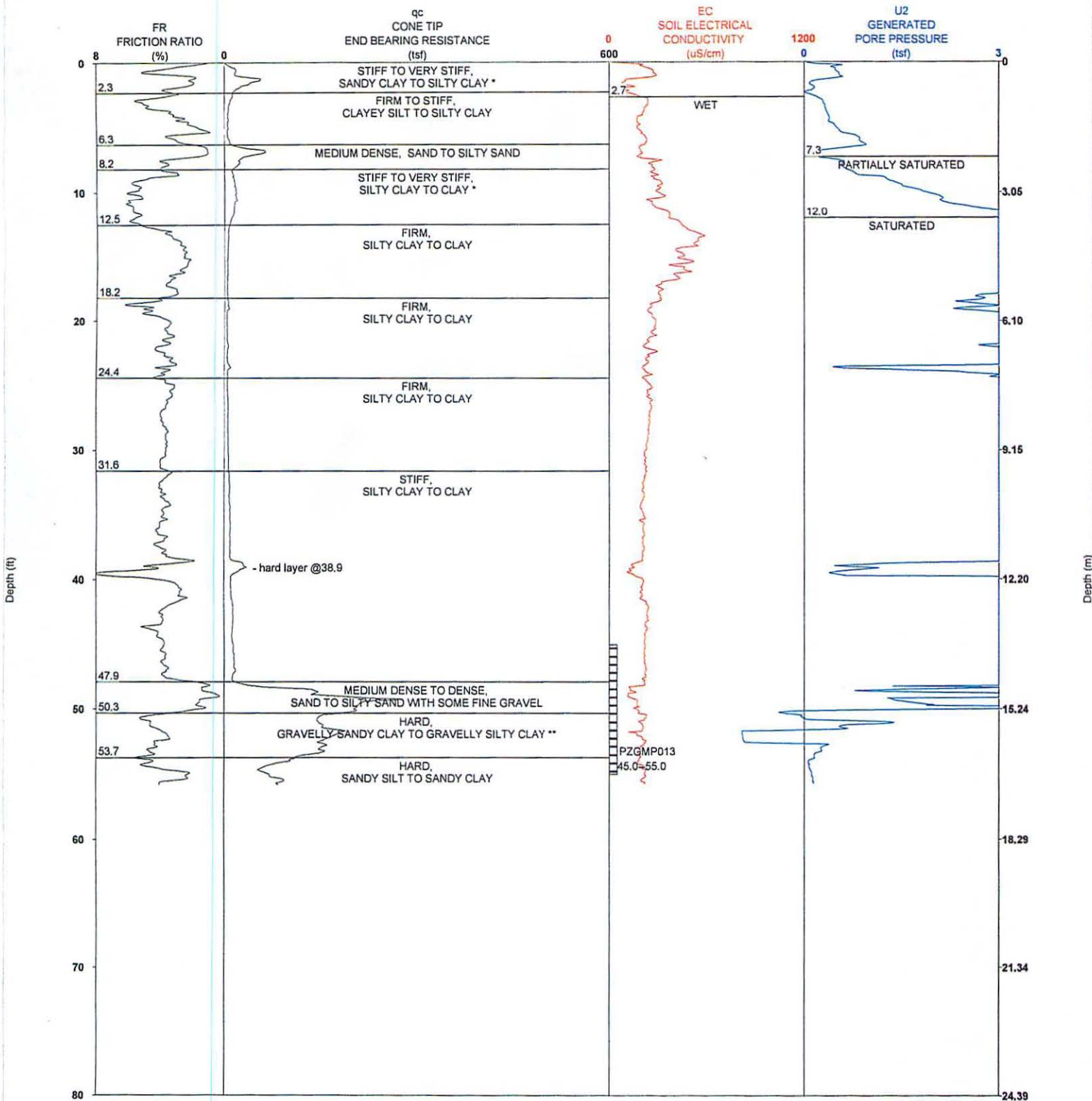
Latitude: 42.02639 Longitude: -87.70329

PROJECT NAME: Evanston James Park
PROJECT NUMBER: 14-120-020

STRATIGRAPHICS

R1 DATE: 4/30/2014 TIME: 5:06 PM
SOUNDING NUMBER: CPT-GMP-012 ()

ADVANCE FINAL CPTU-EC LOG WITH LITHOLOGIC EVALUATION CPGMP013



• 0 - 1600 ft/sec Shear S-wave Velocity

Latitude: 42.02634 Longitude: -87.70472

PROJECT NAME: Evanston James Park
PROJECT NUMBER: 14-120-020

STRATIGRAPHICS

R1 DATE: 5/1/2014 TIME: 9:30 AM
SOUNDING NUMBER: CPT-GMP-013