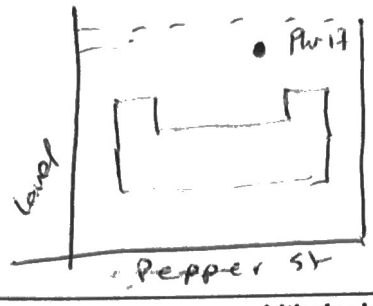
ENSAFE

Client: UTC
Project #: RFF Rialto
Purpose: Drilling PW-17
Project: 0888821307
Location: Laurel & Pepper

Sketch of Boring Location



Location ID: PW-17
Start Date/Time: 9/27/17 1500 Page 1 of 6
End Date/Time: 10/03/17 0800 Total Depth: 510'
Sample Method:
Drill Equip: 30K
Drilling Co.: Cascade - N. Mooney
Geologist: G. Valenzuela

Sample Number	Sample Interval	Recovery Inches Recovered	Recovery Inches Driven	Miscellaneous (Time/Blow Ct)	OVA Reading (ppm)	USCS	DEPTH (FT)	Lithologic Description (Visual-Manual Description, ASTM D 2488-06)
						SP	0	light yellowish brown (10yr 6/4) poorly sorted medium SAND
							1	
							10	light yellowish brown (10yr 6/4) poorly ~~sorted~~ graded medium SAND WITH SILT, trace subrounded cobbles
							3	
							20	SAA
							5	
							30	SAA
							7	
							40	SAA
							9	
							50	SAA
							1	
						CL	60	Yellowish brown (10YR 5/6), sandy CLAY, some medium to coarse sand, trace subangular gravel
							3	
							70	SAA
							5	
							80	SAA
							7	
						SW	90	grayish brown (10yr 5/2), well graded fine to coarse SAND WITH SILT
							9	
							100	

Notes:

Well Constuction		Top	Base	Sample ID	Time	Interval	Analyses
Material:	Casing:			1)			
Diameter:	Screen:			2)			
Wellhead:	Grount:			3)			
Bellards:	Bent/Seal:			4)			
Pad:	Sand Pack:			5)			

ENSAFE

Client: UTC
Project #: RFF Realty
Purpose: Drilling PW-17
Project: 0888821307
Location: Laurel & Pepper

Sketch of Boring Location

Location ID: PW-17

Page 2 of 6

Start Date/Time:
End Date/Time:
Total Depth:
Sample Method:
Drill Equip:
Drilling Co.:
Geologist:

Sample Number	Sample Interval	Recovery Inches Recovered	Recovery Inches Driven	Miscellaneous (Time/Blow Ct)	OVA Reading (ppm)	USCS	DEPTH (FT)	Lithologic Description (Visual-Manual Description, ASTM D 2488-06)
						SW	100	SAA
							1	
							110	SAA with ~~trace~~ few angular fine gravel
							3	
						GP	120	@115 ft grayish brown (10yr 5/2) Poorly graded sub angular fine GRAVEL with some fine to coarse sand
							5	
							130	SAA
							7	
							140	SAA with trace silt
							9	
							150	SAA (120')
							1	
							160	SAA
							3	
							170	SAA
							5	
						CL	180	brown (10yr 5/3), gravelly, fine subangular gravelly CLAY with few medium sand.
							7	
						SW	190	brown (10yr 5/3) well graded, fine to coarse SAND with angular fine gravel.
							9	
							200	

Notes:

Well Constuction		Top	Base	Sample ID	Time	Interval	Analyses
Material:	Casing:			1)			
Diameter:	Screen:			2)			
Wellhead:	Grount:			3)			
Bellards:	Bent/Seal:			4)			
Pad:	Sand Pack:			5)			

ENSAFE

Client: UTC

Project #: RFF - Rialto 08888 21807

Purpose: PW-17 drilling

Project: RFF - Rialto

Location: Laurel St + Pepper

Sketch of Boring Location

Location ID: PW-17

Page 3 of 6

Start Date/Time:

End Date/Time: Total Depth:

Sample Method:

Drill Equip:

Drilling Co.:

Geologist:

Sample Number	Sample Interval	Recovery Inches Recovered	Recovery Inches Driven	Miscellaneous (Time/Blow Ct)	OVA Reading (ppm)	USCS	DEPTH (FT)	Lithologic Description (Visual-Manual Description, ASTM D 2488-06)
						GP	200	brown (10yr 3/3), poorly graded angular fine GRAVEL with some coarse sand.
							1	NOTE: GETS ROCKY from here forward.
							210	brown (10yr 5/3), poorly graded angular fine GRAVEL
							3	
							220	SAA
							5	
							230	SAA
							7	
							240	SAA
							9	
						CL	250	grayish brown (10yr 5/2), poorly graded fine SANDY CLAY
							1	
						SP	260	yellowish brown ( ), poorly graded fine SAND with gravel, few coarse sand
							3	NOTE: HIGH SOIL & SLOW DRILLING FROM HERE FWD.
						SP-SM	270	brown (10yr 5/3), well graded, fine to coarse SAND with silt trace ~~fine~~ subangular fine gravel
							5	
							280	SAA
							7	
							290	SAA
							9	
							300	

Notes:

Well Constuction		Top	Base	Sample ID	Time	Interval	Analyses
Material:	Casing:			1)			
Diameter:	Screen:			2)			
Wellhead:	Grout:			3)			
Bollards:	Bent/Seal:			4)			
Pad:	Sand Pack:			5)			

ENSAFE

Client: JTC
Project #: RTF Realty 088882307
Purpose: PW-17 Drilling
Project: RTF Realty
Location: Laurel & Pepper St

Sketch of Boring Location

Location ID: PW-17
Page 4 of 6
Start Date/Time:
End Date/Time: Total Depth:
Sample Method:
Drill Equip:
Drilling Co.:
Geologist:

Sample Number	Sample Interval	Recovery Inches Recovered	Recovery Inches Driven	Miscellaneous (Time/Blow Ct)	OVA Reading (ppm)	USCS	DEPTH (FT)	Lithologic Description (Visual-Manual Description (ASTM D 2488-06))
							300	SDA
							1	
							310	SDA
							3	
							320	SDA
							5	
						SW	330	brown (10yr 5/3) well graded, fine to coarse SAND, trace angular fine gravel
							7	
							340	SDA with few sandy clay
							9	
							350	SDA (340')
							1	
						SW	360	brown (10yr 5/3) well sorted fine to coarse SAND
							3	
							370	SDA
							5	
							380	SDA
							7	
							390	SDA
							9	
							400	

Notes:

Well Constuction		Top	Base	Sample ID	Time	Interval	Analyses
Material:	Casing:			1)			
Diameter:	Screen:			2)			
Wellhead:	Grount:			3)			
Ballards:	Bent/Seal:			4)			
Pad:	Sand Pack:			5)			

ENSAFE

Client: UTC
Project #: D88882130 7
Purpose: Drilling PW-17
Project: RFT- Rialto
Location: Laurel & Pepper

Sketch of Boring Location

Location ID: PW-17
Start Date/Time:
End Date/Time:
Total Depth:
Sample Method:
Drill Equip:
Drilling Co.:
Geologist:

Sample Number	Sample Interval	Recovery Inches Recovered	Recovery Inches Driven	Miscellaneous (Time/Blow Ct)	OVA Reading (ppm)	USCS	DEPTH (FT)	Lithologic Description (Visual-Manual Description, ASTM D 2488-06)
						SP	400	yellowish brown (10yr 5/6), poorly graded medium SAND with some coarse ~~sa~~ sand
							1	
						SW	410	brown (10yr 5/3), well graded fine to coarse SAND with a few sandy clay
							3	
							420	SAA
							5	
							430	SAA
							7	
						SP	440	yellowish brown (10yr 5/6). poorly sorted fine to medium SAND with some coarse sand, trace fine angular gravel, trace ~~silt~~ sandy clay
							9	
						SM	450	brown (10YR 5/3) poorly sorted silty SAND, mostly fine sand with trace coarse sand
							1	
							460	SAA
							3	
							470	SAA
							5	
							480	SAA
							7	
							490	SAA
							9	
							500	

Notes:

Well Constuction		Top	Base	Sample ID	Time	Interval	Analyses
Material:	Casing:			1)			
Diameter:	Screen:			2)			
Wellhead:	Grount:			3)			
Ballards:	Bent/Seal:			4)			
Pad:	Sand Pack:			5)			

ENSAFE

Client: UTC

Project #: RFT Rialto

Purpose: Drilling PW-17

Project: 0888871307

Location: Laurel & Pepper

Sketch of Boring Location

Location ID: PW-17

Page 6 of 6

Start Date/Time: 10/07/17 0800

End Date/Time:

Total Depth: 510

Sample Method:

Drill Equip:

Drilling Co.:

Geologist:

Sample Number	Sample Interval	Recovery Inches Recovered	Recovery Inches Driven	Miscellaneous (Time/Blow Ct)	OVA Reading (ppm)	USCS	DEPTH (FT)	Lithologic Description (Visual-Manual Description (ASTM D 2488-06))
						SM	500	SPA
							1	
							510	SPA Total Depth.
							3	
							4	
							5	
							6	
							7	
							8	
							9	
							0	
							1	
							2	
							3	
							4	
							5	
							6	
							7	
							8	
							9	

Notes:

Well Constuction		Top	Base	Sample ID	Time	Interval	Analyses
Material:	Casing:			1)			
Diameter:	Screen:			2)			
Wellhead:	Grount:			3)			
Ballards:	Bent/Seal:			4)			
Pad:	Sand Pack:			5)			