Steven Scharf - Northrop Grumman OU3 Soil Gas IRM West Leg PCT

From: "Stern, David" <David.Stern@arcadis-us.com>
To: "Steven Scharf" <sxscharf@gw.dec.state.ny.us>

Date: 5/29/2007 3:05 PM

Subject: Northrop Grumman OU3 Soil Gas IRM West Leg PCT

CC: "Cofman, John" <john.cofman@ngc.com>, "San Giovanni, Carlo" <Carlo.SanGi...

Attachments: 0420 0001.pdf; 0414 0001.pdf

Steve:

Attached for your information is the plan for the pneumatic conducivity test (PCT) for the evaluation of the area along the proposed west leg of the Soil Gas

IRM. The work is scheduled to commence the week of June 4.

Thanks.

<<0420_0001.pdf>> <<0414_0001.pdf>>

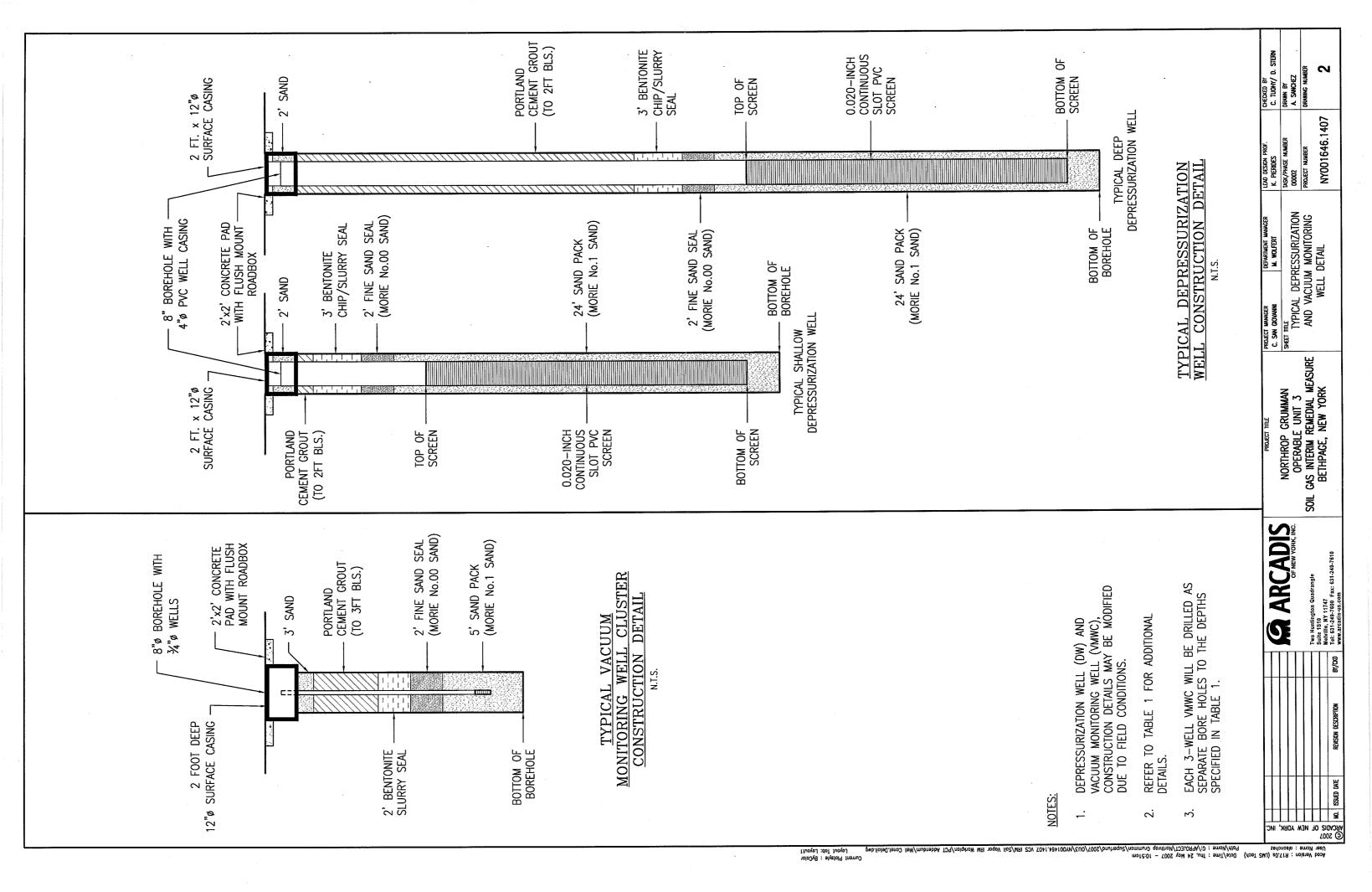
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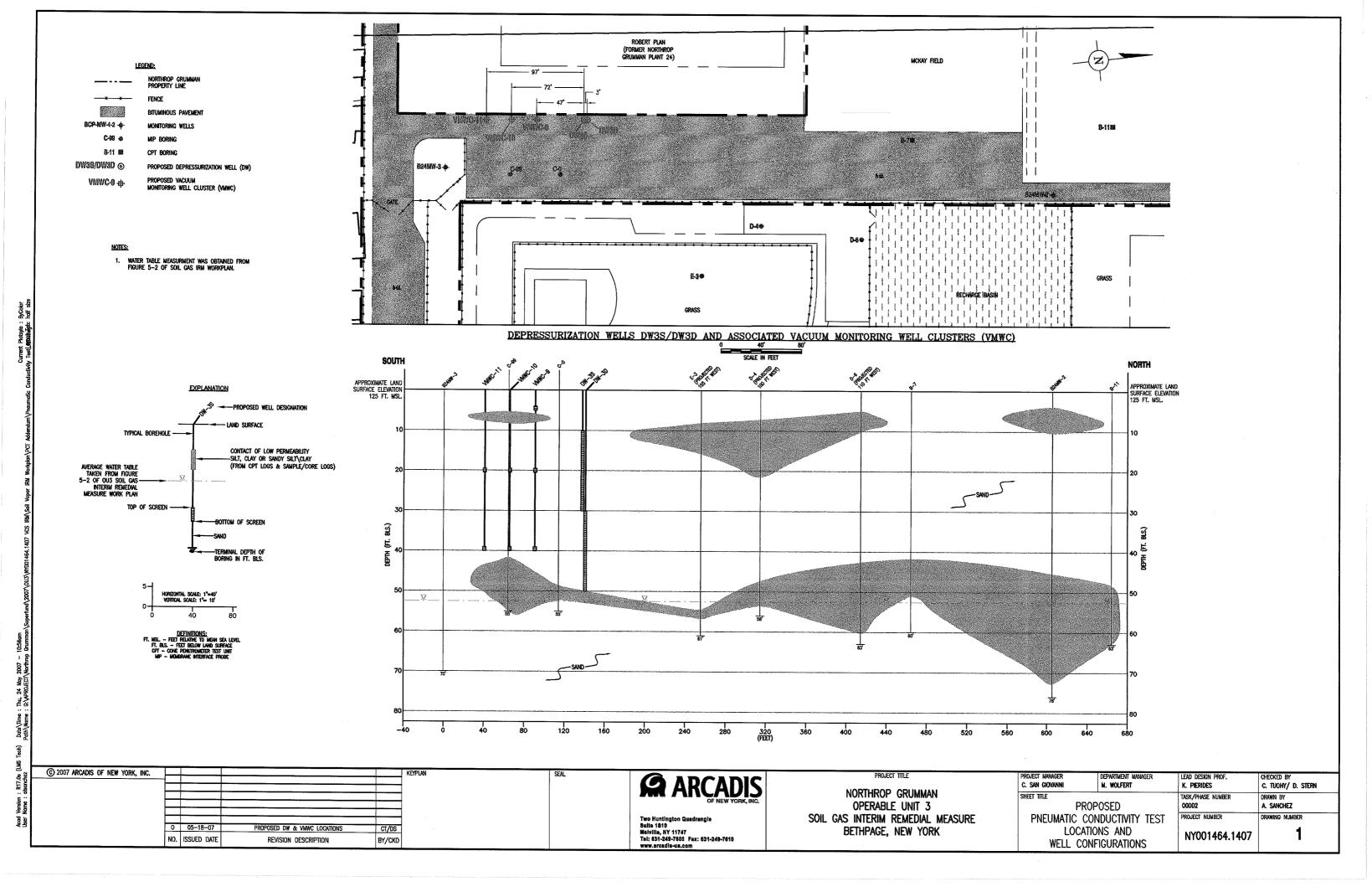


Table 1. Summary of Western Leg Pneumatic Conductivity Test Depressurization and Monitoring Wells and Additional Eastern Area Monitoring Wells, Operable Unit 3, Former Grumman Settling Ponds, Bettpage, New York.

Approximate Distance from Shallow/Deep Extraction Point ⁽¹⁾ (feet)	Q Z	NA		25/50	25/50	25/50	50/75	50/75	75/100	75/100		230 (3)	320 (3)
Approximate Total Borehole Depth (feet bis)	83	52		o	20	40	20	40	20	. 40		49	49
Approximate Screened Interval(s) (feet bls)	10 to 30	\$		6 to 7	18 to 19	38 to 39	18 to 19	38 to 39	18 to 19	38 to 39		27 to 47	27 to 47
Nominal Well Diameter (inches)	4	4		0.75	0.75	0.75	0.75	0.75	0.75	0.75		4	4
Well	Depressurization Well	Depressurization Well	60 1	Vacuum Monitoring	Velis	Vacuum Monitoring / Potential Depressurization Well	Vacuum Monitoring / Potential Depressurization Well						
Well Designation	Western Area Extraction Wells DW-3S	DW-3D ⁽²⁾	Vacuum Monitoring Wells	VMWC-9A	VMWC-9B	VMWC-9C	VMWC-10A	VMWC-10B	VMWC-11A	VMWC-11B	Eastern Area Extraction/Observation Wells	DW-4D	DW-5D ⁽²⁾

Table 1. Summary of Western Leg Pneumatic Conductivity Test Depressurization and Monitoring Wells and Additional Eastern Area Monitoring Wells, Operable Unit 3, Former Grumman Settling Ponds, Bethpage, New York.

Notes & Abbreviations:

- (1) Distances of vacuum monitoring wells are measured from DW-3S and 3D for VMWC-9 through VMWC-11.
- installed and grouted into the LPZ to case-off the perched water and the well that penetrates the LPZ will be installed in a separate borehole. (2) - In the event perched water is encountered above the low permeability zone (LPZ), then before drilling through the LPZ a steel casing will be
 - (3) DW-4D installed 230 ft east of DW-2D; DW-5D installed 320 ft west of DW-2D
 - NA Not Applicable/Not Determined