Niagara Falls Boulevard Removal Site

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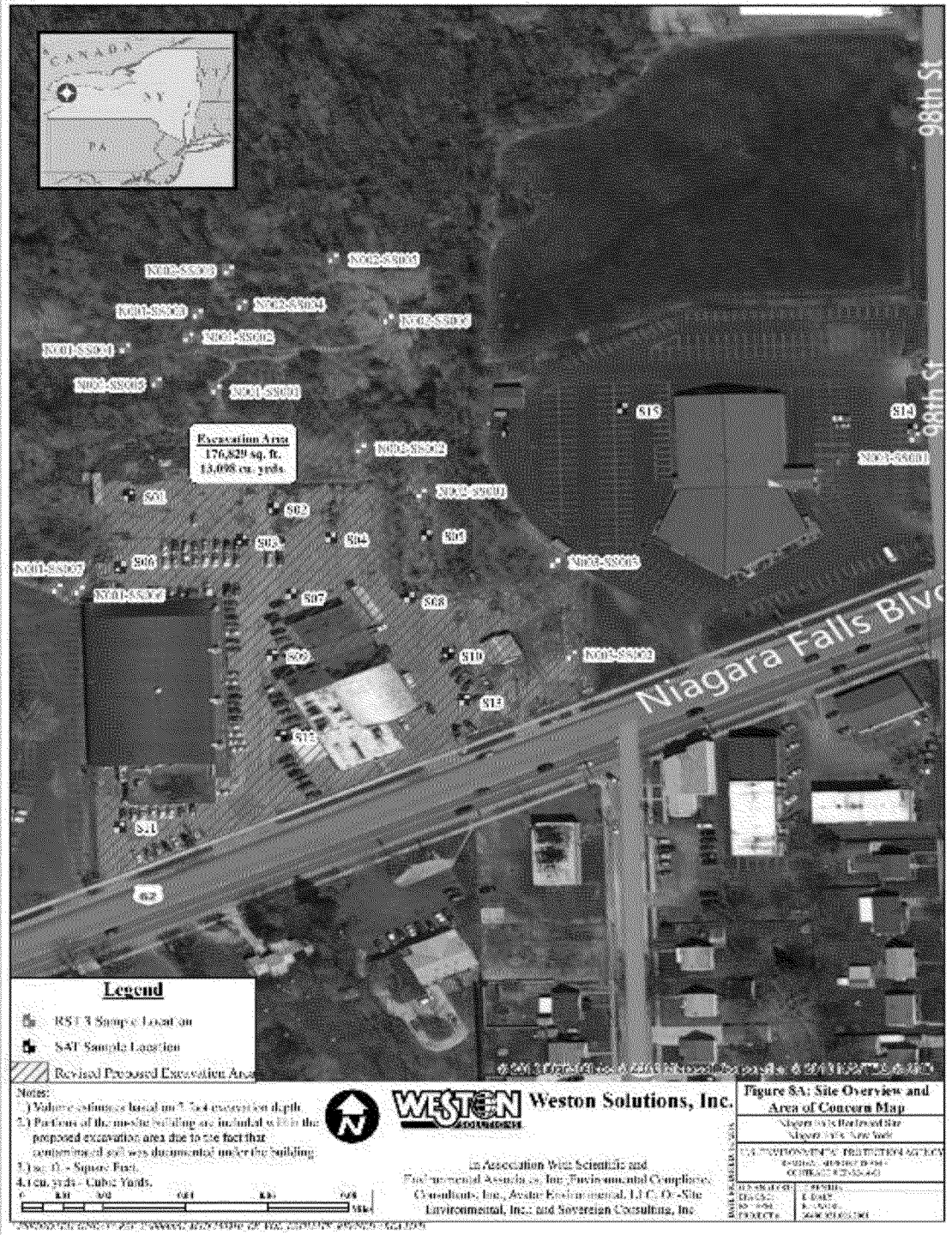
CANADA
NY
PA
Excavation Area
176,829 sq. ft.
13,098 cu. yrds.
Niagara Falls Blvd
98th St
98th St
S1
S2
S3
S4
S5
S6
S7
S8
S9
S10
S11
S12
S13
S14
S15
Legend
RSI 3 Sample Location
SAT Sample Location
Revised Proposed Excavation Area
Notes:
1.) Volume estimates based on 7.5x4 excavation depth
2.) Portions of the modular building are included within the proposed excavation area due to the fact that contaminated soil was documented under the building
3.) sq. ft. - Square Feet.
4.) cu. yrds - Cubic Yards.
Weston Solutions, Inc.
in Association With Scientific and Environmental Associates, Inc.; Environmental Compliance Consultants, Inc., Avatar Environmental, LLC; On-Site Environmental, Inc.; and Sovereign Consulting, Inc.
Figure 8A: Site Overview and Area of Concern Map

High Soil Values at Niagara Falls Boulevard

Radioisotope	Value (pCi/g)	Total Uncertainty
Thorium-228	554	57.2
Thorium-230	150	21.4
Thorium-232	541	56
Uranium-233/234	179	15.7
Uranium-235/236	10.7	1.5
Uranium-238	196	17.1
Radium-228	807	82.4
Radium-226*	4.6	0.68
Radium-226**	199	20.9
Ac-228	13.6	1.59
Bi-212	16.1	2.92
Bi-214	4.62	0.74
Cesium-137	0.28	0.12
K-40	20.4	3.25
Pb-212	13.6	1.83
Pb-214	4.81	0.64
Tl-208	5.01	0.61

Notes:

*Radium-226 analyzed by 21-day ingrowth method.

** Radium-226 analyzed by non-ingrowth method.

- Can you provide the Waste Acceptance Criteria for the following radionuclides? Do you have a specific Waste Acceptance Criteria for TENORM (Technologically Enhanced Naturally Occurring Radioactive Materials)? Specifically, depleted Thorium.

Radioisotope
Actinium-228 (Ac-228)
Bismuth-212 (Bi-212)
Bismuth-214 (Bi-214)
Cesium-137 (Cs-137)
Lead-210 (Pb-210)
Lead-212 (Pb-212)
Lead-214 (Pb-214)
Potassium-40 (K-40)
Radium-226* (Ra-226)
Radium-228 (Ra-228)
Thallium-208 (Tl-208)
Thorium-228 (Th-228)
Thorium-230 (Th-230)
Thorium-232 Th-232)
Thorium-234 Th-234)
Uranium-233/234 (U-233/234)
Uranium-235/236 (U-235/236)
Uranium-235 (U-235)
Uranium-238 (U-238)

What is the size specification for waste received? The material that we plan to T&D is soil, rock/slag, asphalt and potentially concrete.

What is your sampling requirements (Both Rad and RCRA)?

What type of container is preferred?

Weight limits for disposal containers?

Method options for transportation (train? Truck directly to facility?)

Can containers rented from another company be transported by the transportation company that won the bid?

Are you affiliated with any existing Federal Contract?