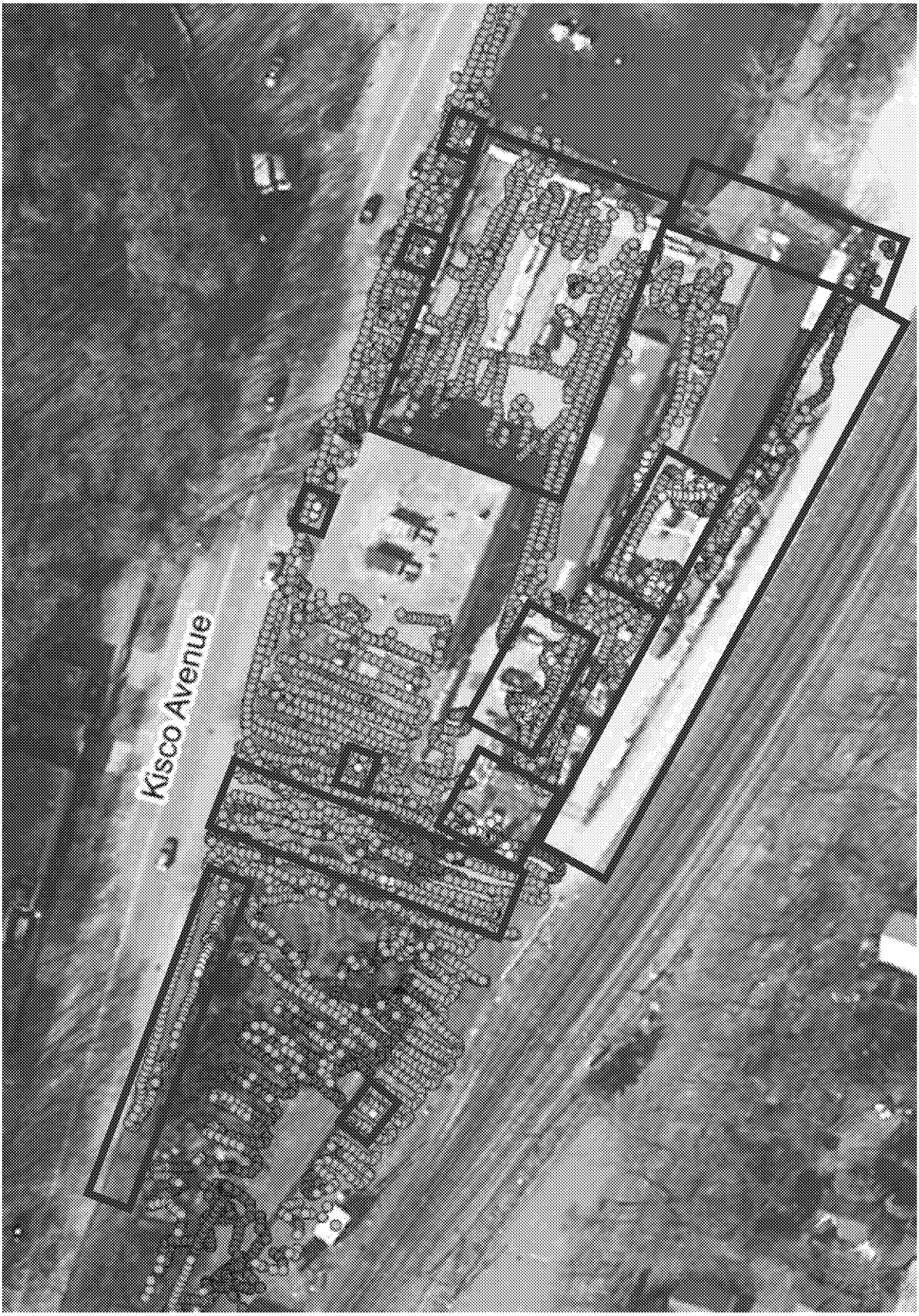
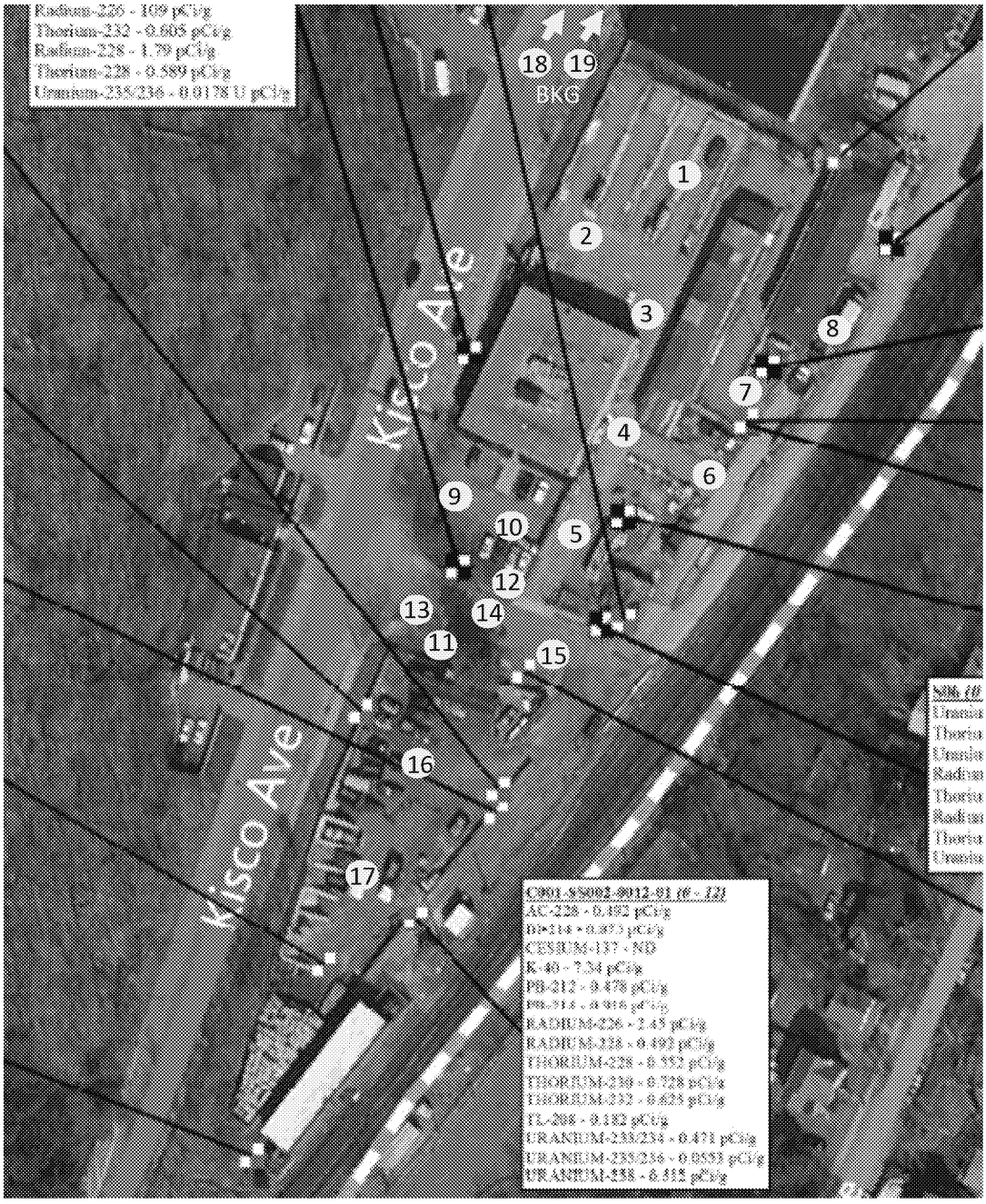
Proposed Areas of Gamma Survey (at a minimum)



Proposed Sampling Locations

Sample #	Depth*	Location Description	Justification of Sample
1	4ft	Area north of Richard Lumber building.	These samples will be used to verify no gross contamination is located beneath the asphalt/concrete. This area shows background radiation with a few hotspots. Samples should be performed to verify localized hotspots and not gross contamination not identified due to shielding
2	4ft		
3	4ft		
4	4ft	Areas located directing in front of the Storage Sheds perpendicular to Railroad Avenue and parallel to the hotspots located in front of the Old Depot	DEC indicated elevated reading from Railroad Avenue to the Storage Shed. I believe the elevated readings were due to the contaminated areas in front of the Old Depot. Verification samplings should be performed to verify no contamination. In addition, sampling would provide information on the boundary of the hotspots located in front of the Old Depot.
5	4ft		
6	4ft	Areas located in the clean areas of two large hotspots in front of the Old Depot.	The area in front of the old depot should have been "excavated" in 1993 but SAT/RST found contamination/elevated levels of radiation. The 1993 DEC document stated future excavations would occur. Sample needs to be taken in "clean" area of contaminated hotspots to verify 1998 DEC hotspots still exist or if contamination has spread due to the excavation performed in later years. Sampling would determine contamination boundary.
7	4ft		
8	4ft	Southeast corner of the Old Depot (loading dock)	There was a localized hotspot located on the Southeast corner of the Old Depot. Verification if contamination still exists. No sampling data was performed at this location.
9	4ft	Parking lot	A couple of localized hotspots were found in the parking lot. These hotspots may not be localized and could be throughout the parking lot but shielded due to the parking lot material. Historically, the now parking lot area was used as a roadway during the demolition of the buildings onsite contaminated with radium. Samples need to be taken to verify the extent of contamination under the parking lot surface.
10	4ft	Parking lot	
11	8ft	South Perimeter of Railroad Avenue	The greatest depth of contamination was located in these areas due to the historical location of the original CRU building. Sampling is needed to determine the depth of contamination located at these locations.
12	8ft	North Perimeter of Railroad Avenue	
13	4ft	Railroad Avenue	The original building from CRU was located on what is now Railroad Avenue. There hasn't been much investigation on the presence of contamination located under Railroad Avenue. There is contamination along the roadway that maybe due to the contamination under the roadway. Samples need to be taken to verify the extent of contamination under Railroad Avenue.
14	4ft	Railroad Avenue	
15	4ft	Railroad Avenue	
16	8ft	Contaminated Area of Mt Kisco	Verification that contamination still exists. No data has been collected verifying contamination exists.
17	8ft	Contaminated Area of Mt Kisco	
18	8ft	Background locations	Need at least one background to compare samples.
19	8ft		

*Samples will be collected at 1 foot intervals

Map and Sampling Locations