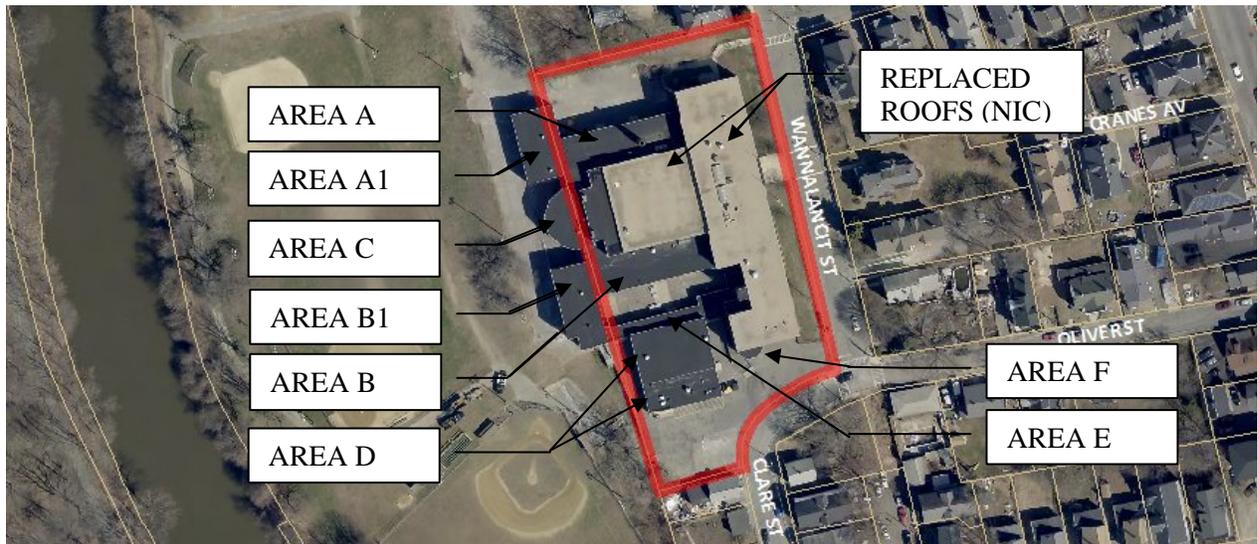


**BARTLETT SCHOOL
LOWELL PUBLIC SCHOOLS
REPAIR/REPLACE ROOFS – ROOF SAMPLING**

A site visit was conducted at the Bartlett Community Partnership on August 27, 2014 with representatives of Watermark, Axiom Partners, and King Roofing.

Cores and samples were taken to ascertain the existing roofing and deck material, slope, and to test for the presence of any asbestos containing building material (ACBM).

BARTLETT COMMUNITY PARTNERSHIP SCHOOL 79, 83 Wannalancit Street



Description:

The Bartlett has many different roof areas and levels.

The roofs of Areas A, B, & C consist of rubber membranes on 1/2 inch fiberboard, extruded polystyrene, and concrete deck. The insulation is tapered to direct the water to the drains.

The roofs of Area A1 & B1 consist of rubber membranes on polyisocyanurate insulation, and metal decks. The insulation is tapered to direct the water to the drains.

The roofs of Area D (cafeteria) consist of rubber membranes on polyisocyanurate insulation, and metal decks. The upper deck is sloped and the insulation is tapered to direct the water to the drains. The lower roof deck over the kitchen is apparently not sloped and has 1 1/2 inches of insulation (observed) and 1/2 inch fiberboard used to taper the surface around curbs and edges. The upper cafeteria roof has 3 inches of insulation, no fiberboard observed.

The roofs of Area E consist of rubber membranes on polyisocyanurate insulation, and metal decks. The insulation is tapered and varies in thickness from 1 1/2 to 2 1/2 inches at the observed cores. One location also used 1/2 inch fiberboard to taper the surface.

The roof of Area F (small projecting bay) consists of a rubber membrane with approximately 2 inches polyisocyanurate tapered insulation and concrete deck.

Results:

- Insulation shall be tapered as shown on the drawings. Thickness shall be as specified: 4.5 inches average; 2 inches minimum, but not less than R-25 average over the whole roof.
- The bottom of the two piece gravel stop can remain in place and the color of the new gravel stop is to match existing.
- Asbestos was found in some sealant; see asbestos report by Axiom Partners and EMSL Analytical, Inc.