



October 1, 2007

081-12152-04

Mr. Jeffrey Crawford
Rhode Island Department of Environmental Management
Office of Waste Management
235 Promenade Street
Providence, RI 02908-5767

Subject: Site Work Conducted at Springfield Street School, Providence, RI

Dear Mr. Crawford:

The City of Providence completed work to repair areas subject to settling at the Carnevale Elementary and Del Sesto Middle school at the Springfield Street School complex this summer prior to the beginning of the 2007 – 2008 school year on September 5, 2007. The proposed work was described in our letter to you dated June 6, 2007.

Work was conducted above the orange snow fence barrier; the barrier was not observed except in the area of the catch basin near the southwest corner of the middle school, and the sinkhole behind the elementary school. At these locations, excavation ceased when the barrier was encountered, and soil was not excavated from below the barrier.

The areas repaired were shown on the attached plans. The following work was completed:

- The catch basin in the courtyard area of the Middle School: the catch basin was lowered to allow it to function, and the area around the catch basin was regraded and repaved. Disturbed areas were reseeded.
- The concrete sidewalk and ramp on the north side of the middle school: the concrete sidewalks, stairs and ramp were removed and reconstructed. Adjacent asphalt was patched.
- The concrete and asphalt walkways on the west side of the Middle School gymnasium: the concrete landings and asphalt walkways were removed and replaced with new landings and walkways. Disturbed areas were graded and seeded.
- The concrete and asphalt walkway on the south side of the Middle School near the gymnasium: the asphalt walkway was removed and replaced. Disturbed areas were restored with loam and seed.
- The southwest corner of the middle school including the area around the transformer: this area was regraded for proper drainage, the asphalt walkway was removed and replaced, and the catch basins were reset to obtain proper elevations for stormwater drainage. Disturbed areas were restored with loam and seed.

- The area of settled asphalt west of the elementary school: the pavement was removed and the area was regraded and repaved. After removing fill placed in the area during a previous attempted repair, a structural geomembrane fabric was placed over the orange indicator layer to attempt to prevent future settling. This is a deviation from the plan presented in our letter of June 9, which indicated that lightweight fill would be used. The lightweight fill blocks originally proposed were found to be too thick to achieve the desired final grades. The structural geomembrane fabric was used as an alternate method to control future settling of this area.

Photographs of the areas repaired showing conditions before, during and after the repair work are attached. Grassy areas had been recently hydroseeded when the completed work was photographed on September 4, 2007.

Please contact me if you have any questions.

Sincerely,

A handwritten signature in cursive script that reads "Donna H. Pallister".

Donna H. Pallister, P.E., L.S.P.
Senior Engineer



1

Middle School Courtyard prior to repair work (7/16/07).



2

Middle School Courtyard during repair work (7/30/07).



3

Middle school courtyard after repairs completed (9/4/07)



4

Middle school courtyard after repairs were completed (9/4/07).



5

North end of middle school prior to repairs (7/16/07)



6

North end of Middle school during repairs (7/24/07).



7

North end of Middle school after repairs were completed (9/4/07)



8

Back of middle school gym prior to repairs (8/25/06).



9

Back of middle school gym during repairs (7/30/07)



10

Back of Middle school gym after repairs were completed (9/4/07).



11

Middle school south of gym after repairs completed (9/4/07)



12

Middle school transformer area southwest of building after repairs completed (9/4/07).



13

Driveway on southern end of Middle school after repairs completed (9/4/07)



14

Sinkhole behind Elementary school before repairs (8/25/06).



15

Sinkhole behind elementary school during repairs (7/24/07).



16

Elementary School after repairs completed (8/23/07).