SECTION 03 13 14 -- CONCRETE PAVING WITH EXPOSED AGGREGATE

PART 1 – GENERAL

1. Design Requirements:

1) Design Intent: to establish consistent paving for all primary campus walkways, e.g. the Walk and the athletics complex pedestrian pathways. Provide a 2’x2’ sample for review by the Architect.

2) Exposed Aggregate: Selected, hard, and durable; washed; free of materials with deleterious reactivity to cement or that cause staining; from a single source, with gapgraded coarse aggregate as follows: aggregate to be 3/8” crushed bluestone.

3) Pigment: Tint used for the Walk- ‘Scofield C-24 Charcoal Gray’. Provide sample to match for approval.

4) Finishing Technique– Provide exposed aggregate finish by one of the following methods as determined by Architect by sample review and mockup approval process.

   a. Monolithic Exposed-Aggregate Finish: Expose coarse aggregate in pavement surfaces as follows:

      i. Immediately after float finishing, spray-apply chemical surface retarder to pavement according to manufacturer's written instructions.

      ii. Cover pavement surface with plastic sheeting, sealing laps with tape, and remove when ready to continue finishing operations.

      iii. Without dislodging aggregate, remove excess mortar by lightly brushing surface with a stiff, nylon-bristle broom.

      iv. Fine-spray surface with water and brush. Repeat water flushing and brushing cycle until cement film is removed from aggregate surfaces to depth required.

   b. Seeded Exposed-Aggregate Finish: Immediately after initial floating, spread a single layer of aggregate uniformly on pavement surface. Tamp aggregate into plastic concrete, and float finish to entirely embed aggregate with mortar cover of 1/16 inch:

      i. Spray-apply chemical surface retarder to pavement according to manufacturer's written instructions.

      ii. Cover pavement surface with plastic sheeting, sealing laps with tape, and remove sheeting when ready to continue finishing operations.

      iii. Without dislodging aggregate, remove excess mortar by lightly brushing surface with a stiff, nylon-bristle broom.

      iv. Fine-spray surface with water and brush. Repeat water flushing and brushing cycle until cement film is removed from aggregate surfaces to depth required.