

International School

Track and Field Renovation



Project Description

Proposed Conditions:

The proposed improvements will remove the existing sand field and replace it with an all weather, vertically drained synthetic turf surface. The cinder track will be removed and replaced with a vertically drained rubberized surfacing. One track "D" zone will become rubberized, while the other will become synthetic turf surfacing. The project will include all new subsurface drainage piping underneath the field and track. Along the north side of the track, an existing small rockery will be removed and replaced with a new, CMU wall. The field grade will be raised approximately 1.75' with the grade being consistently flat across the entire surface of the field and track. The subsurface drainage system will consist of subsurface lateral drainage piping at 15' on center throughout the field and track area comprised of 4" diameter perforated CPEP piping, installed in 12" width trenches at depths ranging from 18" to 30" below finish grade, and surrounded by an envelope of washed pea gravel; a collector pipe system for the drainage laterals will outlet to the south and connects to the existing storm drainage system; a permeable geotextile fabric over the entire exposed surface, and a 12" depth of highly permeable aggregates will be placed over the field surface. An anchoring system including concrete curb and recycled plastic nailer will be installed at the perimeter of the field, and a synthetic turf surface will be installed over the entire field and west D-Zone area. The synthetic turf system will consist of a permeable fabric, polyurethane/polypropylene synthetic fibers nominally 2" in height on top of a 19mm e-layer pad system. The turf is infilled with a combination of silica sand and recycled SBR rubber granules.

The 4-lane, 400M rubberized running track system will consist of a 2.5" porous asphalt layer immediately below the track surfacing. The base mat structural spray track rubberized surfacing to consist of base mat comprised of a minimum 10mm SBR rubber granulate with single component polyurethane binder will be applied; a wearing surface consisting of minimum two spray coats totaling minimum 2.25mm of pigmented EPDM granulate with pigmented single component polyurethane binder. The east Field Event "D" zone will also be a permeable base mat structural spray coat system. Two long jump/triple jumps and a High Jump Area shall be located in the east "D" zone.

Minor perimeter improvements will be completed in association with the track and field improvements. These improvements will include a pedestrian pathway around the entire perimeter of the track. As well as new chain link fencing at portions of the west perimeter of the track and field. A trench drain will be added along the north edge to collect water from the adjacent surfaces. The project may also include small portable bleachers. Outside of the field area a new maintenance access road will be provided to the lower athletic fields to eliminate the use of field and track surfaces by maintenance vehicles.

The work will be completed during a summer construction season, roughly falling from July 1-September 1, 2012 when school is for the most part not in session. As such, no work is anticipated to occur during the wet weather construction season. A complete Temporary Erosion Control System will be required to be maintained throughout the construction period.

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Vicinity Map

