



**Mueser Rutledge
Consulting Engineers**



*Winter track construction at Aqueduct
Race track.*

New York Racing Association (NYRA)

Various locations

MRCE has completed over 60 projects on horse racing tracks for the New York Racing Association (NYRA) since 1977. Tracks worked on include Belmont Park in Elmont (Hempstead), NY, Saratoga Racetrack in Saratoga, NY, and Aqueduct Racetrack at Ozone Park, NY.

Projects have involved:

1. Design of new tracks

Racetrack surfaces are oval tracks, typically 80 feet wide and at least a mile long. Consistency of the horses' gait depends on the consistency of the surface. The entire surface must be uniform or horses will lose their all-important gait. The materials chosen, as well as the mixing, placement and compaction of the materials are critical components of racetracks. Rainwater, freeze-thaw cycles, and wear from the horses' hoofs affect these surfaces.

2. Rehabilitation of older tracks

Services include:

- Annual compaction testing - in situ density testing of compacted base of tracks
- Testing of base materials
- Base reconstruction of clay, stone, soil and turf tracks
- Track Resurfacing
- Density tests in field and laboratory
- Evaluation of track cushions