

STAGG HIGH SCHOOL DRAINAGE IMPROVEMENTS
PALOS HILLS, ILLINOIS



The school site had areas of ponding water in two baseball fields and one practice football field. To reduce this flooding, the area of the practice football field was regraded to act as a dry detention facility. The field was then designed with two options. One option included replacing the top eight inches of the surface with a loamy soil that was made of 70% top soil and 30% well grade sand. This material would not require an underdrain system and would provide a dry field within three days, sooner depending on the amount of rainfall. A second option included using topsoil however construct an underdrain system to allow the runoff to drain from the field. The second option was included in the construction.

In addition to the work on the fields, a drainage system was constructed in parking lots that are upstream of the ball fields. Currently the runoff from the parking lots surface drains to the fields. With the drainage system, the runoff is collected and transmitted underground to the detention facility. This significantly reduces the runoff ponding on the baseball fields. As much of the school site was constructed prior to the establishment of the Metropolitan Water Reclamation District, much of the site was included in the permit for this project.

Services Provided:

- Grading of Detention Areas and Practice Football Field
- Design of Parking Lot
- Design of Storm System
- Permitting with Metropolitan Water Reclamation District

This project reflects Firm
and Staff experience.



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