PARJANA®
& PARJANA Distribution

WARWICK SCHOOL
MYTON ROAD, WARWICK CV3 6PP, UK
RUGBY FIELD, PROJECT ANALYSIS

SITUATION

After any substantial rainfall, the school's rugby field flooded and became non playable. On some occasions the school was compelled to pump the water or cancel the game.

SOLUTION

In August 2013, Parjana Distribution installed an EGRP® system on the field.

RESULTS

Since December 2013, the United Kingdom has suffered record rainfalls. However, following installation of the system the school has been able to play rugby all season long without interruption. In January 2014 it rained nearly 2 inches in 48 hours yet the field, shown at right, remained playable.

TESTIMONIAL

" Since installation the area of the pitch feels firmer under foot than it was and the grass growth has become stronger. (...) The system has acclimated and is successfully draining the pitch, in an area which was previously one of the most water logged areas on the whole grounds."

G. Delday - Head Groundsman

FIELD AFTER HEAVY RAINFALL WITHOUT EGRP® SYSTEM IN FEBRUARY 2013

FIELD AFTER HEAVY RAINFALL WITH EGRP® SYSTEM IN FEBRUARY 2014

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VIDEO

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HEAD GROUNDSMAN
G. Delday

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To Whom it may concern,

Having a major problem with the drainage of our sports fields we decided to look into a method of drainage which offered minimal impact to the sports surface, hence as little disruption as possible for student games. We discovered the Groundwater Dynamics EGRP System following their Edgbaston Cricket Club install which introduced a radical re think on the way to go about removing standing surface water.

The system had been about in the USA for approximately 15 years, primarily to be used around commercial and residential properties to prevent flooding of basements. Having read all the available literature and testimonials from the USA we decided to contact Groundwater Dynamics and investigate further how the system works.

Both Joe O'Meara and Matt Dale visited the school and made a very informative presentation which persuaded me to pursue the EGRP System further. A system was designed to cover approximately 50% of our First XV Rugby Pitch where we were experiencing major flooding during the bad weather in March 2013.

The installation took place during August 2013 by two operatives using a drilling rig and over 1000 holes were drilled over a 5 week period. The pitch was in use for training purposes at the end of most days during installation and you could not tell that any work had been carried out, there was a very small amount of spoil from each hole that was loaded directly onto a trailer for disposal. Also, the drilling machine was operated on boards to protect the ground and each hole was prepared by first removing a plug using a golf hole cutter to be replaced once the EGRP had been installed.

Since installation the area of the pitch feels firmer under foot than it would have been and the grass growth appears to be stronger. Although we have not had the same amounts of rain and freezing conditions compared to winter last year and early spring this year, I am as confident as I can be that the system is working. The First XV pitch remains in great condition while other pitches on our school playing fields are suffering water logging and remain unplayable, which demonstrates that the system has acclimated and is draining the pitch, in an area which previously was one of the most water logged areas on the whole grounds.

The advantage of this method of drainage apart from the minimal disruption mentioned above is the fact that the system acts in both directions (drainage in the Winter period) and then acting as a conduit to bring moisture back to the surface during hot weather spells, rehydrating the topsoil and the grass.

Garry Delday
02/12/14