

Forge Valley Community School Newsletter

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Project Introduction

Forge Valley Community School is a new build secondary school on the existing Myers Grove school site. It will accommodate 1050 11-16 years old pupils with 300 6th form places for 17-19 year olds. The overall size of the school is 12186m² comprising of a main teaching block, separate sports block and biomass boiler house. The main block will provide 3-4 storey teaching accommodation arranged around a central atrium and adjacent performance hall.

The new development has been split into two phases. Phase 1 construction began on site on the 1st March 2010. This involves demolition of the original science teaching block and VOTEC Learning Centre and construction of a new school and sports block. Phase 2 involves demolishing the main Myers Grove building and forming car parks and landscaping at the front of the new building.

The contract completion date is the 5th April 2012 although the new school will be ready for occupation on the 5th September 2011. VINCI Construction is always open to any feedback, opinions or queries from anyone in the local community.



Topsoil stored ready to be reused on site

Environmentally Friendly

VINCI Construction has already recycled 312.1m³ worth of materials from the Forge Valley project. All of the excavated material has been reused on site which has greatly reduced the vehicle movements in the surrounding area. Each type of soil is then extracted and used in its own way. Topsoil that has been stripped from the school playing fields has been compacted on site and is being stored until it eventually is re-laid as new playing fields. Timber that has been removed from site has

also been recycled as it is shredded down and turned into wood chippings and mulch and then reused. The rubble that has accumulated from demolishing the old science block has been crushed and relayed to form the piling mat where the new building will eventually sit. All these methods have saved on wastes being transported to landfill and having a negative effect on our environment.

Working together with the School



Temporary classrooms erected for the students of Myers Grove

The first assignment for VINCI Construction was to erect a hoarding around the site to provide a safe and secure working environment, beneficial for both construction workers and the pupils of Myers Grove School. VINCI Construction and the school worked together to relocate the teaching classrooms from science and food technology into temporary classrooms consisting of 4

science and one food technology room. The construction process of the whole project is being streamed on the Myers Grove School website for anyone to view:

www.myersgrove.sheffield.sch.uk

The Story so Far?

The old Myers Grove staff car park was firstly relocated to the Loxley College car park to make room for the temporary classrooms. This involved excavating the earth two meters below the car park level and placing structural fill material to enable the pad

foundations of the temporary classrooms to be installed. The hoarding was then fully erected around the site to give a safe and secure working environment; the site establishment was then set up in the bottom corner of the school playing fields. The

entrance to the construction site is just off Myers Grove Lane, towards the old Pinegrove Country Club. Excavation works then began for the new main school block which will sit at the back of the current school on the former fields, tennis courts and footprint of the science block and VOTEC centre. The science block and the VOTEC centre were then stripped and demolished with the building material crushed for reuse on site. The crushed material of the building was used to form a foundation for the piles and floor slab to sit on. Excavation for the sports block has been completed ready for piling. The main drainage for the



The excavation works for the new Sports Block



Demolition of the VOTEC Centre

buildings has been installed with the existing school drainage diverted to prevent any disruption to the school.

The Near Future

The piling for the foundations is due to start mid April followed by the floor slab for the main building. This includes the retaining wall structure which allows the split level ground floor atrium. Then the foundations and ground floor slab will begin for the sports block. The main school structural steelwork is planned to start mid May. This will be erected using mobile cranes which allow more flexibility in movement and speed of

erection.

The main school block will be erected first with the sports block following in July.

The main block consists of 750 tonnes of structural steelwork and the sports block consists of 150 tonnes of steelwork.

The floors are made of concrete and steel deck and will be installed in line with the steelwork.



Main school accommodation arranged around a central heartspace linking all floors

- Reinforce school community ethos
- Inspiring environment
- Aid passive supervision of students
- Multi-use and flexible
- Study on open deck LRC, visible throughout school

Any questions?

If you have any questions regarding the construction process for Forge Valley Community School, please contact Graeme Bowen on 0114 234 3792 or e-mail graeme.bowen@vinciconstruction.co.uk