

February 2019

NEWSLETTER

ISSUE NO.2



ARTIST'S IMPRESSION OF THE NEW KING'S CAMPUS

INSIDE THIS ISSUE

Welcome	Page 1
Progress to Date	Page 2
Somewhere Else in the World	Page 2
Role Profile: Natalie Clemson	Page 3
King's School Needs YOU!	Page 4
Quick Quiz	Page 4
A Day in the Life of...	Page 5
FAQs about the New Campus	Page 6



WELCOME

John Roberts – Regional Director
at VINCI Construction

Hello and welcome to the second edition of the King's School Newsletter. Since the last edition, construction work has progressed considerably, with foundations now laid on the main 16,000m² academic building which will provide 350 rooms. Steelwork is now being erected and is due for completion by May.

Groundwork activity continues on what will become five new rugby pitches, a rounders field,

two AstroTurf hockey pitches and six netball courts. These will complement the existing cricket and rugby pitches at the school's adjoining Derby Fields.

Also, design work is developing significantly on the new Sports Centre, which will include a six lane, 25m swimming pool, six-court sports hall, dance/martial arts studio and dedicated indoor cricket centre. We are well on track to deliver the project for the September 2020 term.

In addition to keeping you up to date with progress, we also aim to provide you with an insight into some of our team members, their responsibilities and the roles they play. This edition features our Design Principal, Natalie Clemson and VINCI's Project Manager, Martin Horton, who explains his typical day as Project Manager.

A quick puzzle should keep the younger ones occupied for a short while... Whilst exciting employment and training opportunities with VINCI and our supply chain are also enclosed.

We hope you enjoy reading this edition of the Newsletter and look forward to hearing your feedback.

John



SENIOR ENTRANCE



JUNIOR ENTRANCE



SENIOR FOYER



CURRENT PROGRESS



UK

Groundworks are on schedule at the new King's School campus, with the foundations already complete and steelworks now being erected.

Only four months after work started in September, two temporary roads have been put into the Alderley Road site, 120,000 tonnes of earth moved, 15,000 tonnes of clean stone laid and two new lift shafts have been constructed. The team delivering the new campus are on schedule for the steelworks on the main academic building to be complete by May.

VINCI Construction UK Ltd's Regional Director John Roberts said: "We all feel immensely proud to be working with a school with a 500-year history and are aiming to create a lasting legacy for King's and for Macclesfield."

The project will deliver one of the largest estates of any independent day school in the United Kingdom, and the new build is one of the biggest ever construction projects seen in Macclesfield

Pictured (l-r) Martin Horton, Project Manager, King's Director of Finance Jonathan Spencer Pickup, Chair of Governors Dr John Kennerley, Headmaster Dr Simon Hyde and VINCI's Regional Director John Roberts.

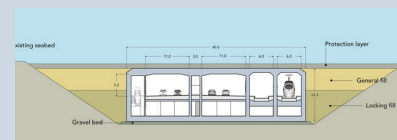


MEANWHILE, SOMEWHERE ELSE IN THE WORLD...

Femern Tunnel, Puttgarden, Rødbyhavn, Scandinavia

As a part of the international construction and concessions giant VINCI SA, with 14,000 projects being delivered at any point in time through a team of 192,000 employees, we thought it interesting to provide an insight into another key project currently being delivered by the organisation.

VINCI SA are currently delivering the Femern Tunnel. At nearly **18 kilometres long** and linking the region of Lolland-Falster in Denmark to the region of Schleswig-Holstein in Germany, the structure will be **the world's longest immersed road and rail tunnel**. Motorists will be able to make the crossing in ten minutes and train passengers in seven minutes, whereas formerly the options were an hour-long ferry ride or a 160-kilometre detour through the region of Jutland in Denmark.



The scheme is currently **one of the largest infrastructure projects in Europe**. Upon delivery, it will help foster the development of trade and tourism in northern Europe. It is an exceptional project in every regard, in terms of scope, techniques, gestation period, and implementation period.

The tunnel will consist of 89 individual watertight prefabricated concrete segments built on the Danish side at Rødbyhavn in a production plant built specifically for this purpose. The 200-metre segments will be towed and subsequently immersed and placed in a trench excavated on the Baltic seabed.

15 million cubic metres of sediment will be excavated and re-used to create embankments. Access roadways will also link the structure to road and rail networks in both countries.

In design terms, an immersed tunnel is a challenge given space constraints and through the limitations on geometrical options. Tunnel segments must be sufficiently light to float as they are towed to the immersion zone but heavy enough to stay underwater once they are placed on the seabed.

ROLE PROFILE: NATALIE CLEMSON

VINCI'S Lauren Banks recently met with King's School Design Principal, Natalie Clemson, from multi professional consultancy, Pick Everard to discuss her likes (and challenges) in leading a multi-disciplinary design team on the £60 million King's School construction project.

What is your role?



I am an Associate Director in Pick Everard with 10 years' experience in Civil Engineering and Design.

My role on the project is the Project Lead for Pick Everard. Pick Everard is providing design services for the new school, including Architecture, Civil Engineering, Structural Engineering, Building Services Technical Advisors, BREEAM/Sustainability, and Health and Safety advice.

What got you into Construction and Design?

I absolutely loved both Maths and Art at school, and enjoyed problem-solving. After a session with my school's careers advisor, engineering just seemed to suit my interests the best. I chose to study Civil Engineering because it had the broadest range, covering things from Bridge Engineering, Highways Engineering to Environmental Engineering, Sustainability and Water Engineering. I like the way that Civil Engineering is also about making a difference to civilisation. Things we take for granted, like how our water gets from the rivers to our taps, how we get from home to school/work in the mornings, and how society is protected from things like flooding and earthquakes, is all Civil Engineering.

What do you like about the role?

It is a bit of a cliché, but I really love how every day, and every project I work on, is so different. At Pick Everard, our forte is designing schools, but we also have a variety of projects, from hospitals, to car parks, to housing developments, to prisons, police stations and fire stations. Projects also differ in durations from a few months to years, even decades! Each project also comes with its own challenges and rewards. I also enjoy developing our business, looking at ways to improve how we do things to contribute to our success. For example, I am currently running a training programme for all our Project Leads to drive consistency and efficiencies in our firm whilst exceeding our client's expectations.

What do you not like about the role?

At the moment, there is nothing that I am not enjoying! There are some days that are stressful, and making decisions under pressure can sometimes be quite daunting, but it is something that gets easier as you develop in your career. Sometimes, I don't enjoy the long hours and being away from my children, but the industry is changing, and technology is enabling us to work remotely at times that suit us. Initiatives like flexible working hours are also becoming the norm, which really helps achieve that work-life balance.

Have you got any advice for someone who is trying to get into the industry or starting out?

There is a route into the construction industry for anyone. Whether, like me, you decide you want to study at University, or whether you think you would rather have 'on-the-job' training as an apprentice, anything is possible. There is also a huge variety of careers in construction, so if you try one element and don't like it, there is also something else to try. Firms like VINCI and Pick Everard are fantastic, because they do provide such a range of opportunities, and have the development programmes in place to help you learn and gain the qualifications that you want.



KING'S SCHOOL NEEDS YOU!

VINCI are always on the lookout for new apprentices and are also offering work experience at The King's School site.

Apprenticeships are an ideal way to develop yourself and progress your career. Each year we recruit for Technical Apprentices and Trainee Quantity Surveyors, who will gain invaluable skills and 'hands on' industry experience.

As well as working with our own teams, they will have the chance to spend time with the companies we partner.

What will I need? For the Trainee Quantity Surveyor Programme you will need A levels with a minimum of BBC, preferably one of the A Levels in Maths. The programme will work on a day release basis where you will spend 4 days in the work place and 1 day in University where you will undertake the Level 6 Chartered Surveyor Apprenticeship. You will qualify with a BSc Hons in Quantity Surveying and MRICS.

For the Technical Apprenticeship scheme you will need 5 GCSEs including Maths grade 9-5, English Language and Science at grade 9-4.

Our apprenticeship recruitment will commence in Spring 2019. To apply please register your interest on the below link and we shall send the application details to you once it is live in Spring.

<http://www.vinciconstruction.co.uk/work-with-us/apprenticeships-and-technical-trainees/>

LOOKING FOR WORK EXPERIENCE?

No matter what age you are, if you are considering a career within the construction industry, then work experience could be for you! At present, we are looking for people to join our King's School Campus site team in gaining work experience with different trades. If you wish to apply to a specific trade or are seeking guidance for work experience please contact Danielle Doherty at Danielle.Doherty@vinciconstruction.co.uk



QUICK QUIZ

A	K	L	E	D	R	I	L	L	V	Q	E	T	W
C	D	B	W	U	E	E	H	Y	S	N	O	I	E
O	W	I	J	G	X	P	L	U	M	B	E	R	L
N	C	L	G	D	C	V	E	T	R	L	P	L	D
T	R	W	L	G	F	H	U	Y	P	D	A	I	I
R	F	G	E	L	E	C	T	R	I	C	C	A	N
A	C	Z	L	C	B	R	P	U	P	N	S	M	G
C	R	B	U	I	L	D	E	R	E	A	D	H	P
T	T	R	A	C	T	O	R	K	D	I	N	J	M
O	X	C	E	W	I	I	U	O	R	F	A	K	B
R	W	T	G	S	F	R	U	A	O	B	L	M	W
H	A	R	D	H	A	T	Y	R	Y	F	L	N	V
T	E	I	N	U	S	C	O	N	C	R	E	T	E



HARDHAT	DIGGER
CONCRETE	BUILDER
ROOF	CONTRACTOR
TRACTOR	DRILL
ELECTRIC	PIPE
LANDSCAPE	PLUMBER
WELDING	



A Day in the life of Martin Horton Project Manager



Working as Project Manager on the new King's School Campus can be very demanding, involving long hours of work. But it can also be highly rewarding, as VINCI Construction's Martin Horton explains

06:00



I get up and leave from home in Liverpool to go to work. It's pitch black outside and I'm de-icing my car ready for the long drive along the M56 and through the winding roads of Cheshire. It's very quiet and feels as though it's just me out on the commute.

07:00



I arrive on site, I'm usually the first person here so I open the gates, grab a quick cup of hot tea and put on my hi-vis and helmet and prepare for the cold walk around site to check it's safe for the long day ahead. I do all the usual checks around the 80-acre site and I can see my breath in front of me.

08:00



Back in the warmth of the site cabins, the team are slowly starting to filter in to commence their day. There are quick 'hellos' as we rush around to start our tasks for the day. I gather my notebook, pen, mobile and laptop ready for the first meeting of the day with our commercial team to discuss project costs. The meeting is always pencilled in for an hour but almost always overrunning, as there's much to talk about on a project with a £60million construction cost.

10:00



The meeting has ended and it's time for me to head over to the school for a design team meeting with architect and engineering consultant Pick Everard, and the King's School client team to discuss ongoing design development of the scheme. The meeting will also talk about how the structure works are going and if there are any improvements that need to be made and, for me, to report how our current plans for the school are developing.

12:30



Back to site for a quick cheese and ham sandwich and some ready salted crisps, I don't tend to get a lot of time for lunch as I'm usually rushing to my next meeting or someone needs to speak to me about something on site.

14:00



Time for a quick interview at King's School with some of the pupils who are interested in what I do. They are asking me some questions about my role on site for their internal School Newspaper. I'm flattered that they have chosen me to talk to as hopefully I can inspire them into a career in the industry. The pupils quiz me about some of the features the new campus will have and they all seem extremely excited, which makes my job that much more rewarding.

15:00



I jump in the car as it's over to Widnes for a Project Manager's progress meeting with John Roberts, our Regional Director and our Commercial Director, Peter Hinton. These meetings run all day with various project managers who are all allocated a time slot, mine is 3.30pm so I should make it just in time!

15:30



Phew! Made it! I go in to the meeting and am happy to report that everything is as it should be, and John and Peter are pleased. Andrea, kindly makes me a cup of tea and the meeting goes on for roughly an hour. We discuss all aspects of the site such as progress, costs and any concerns I may have for the future and it seems like this job is running smoothly, I say goodbye to them and will see them again in a month's time to do it all over again.

16:30



I catch up on a few emails at the office before I leave and speak to a few people about what will be happening in the coming weeks. Then it's back in the car for the journey home.

18:00



I'm home after a long day, time to get changed and ready to go for Rugby Training for the team I coach. I'm tired but I grab a banana to eat on my way and get ready to teach the lads some drills. It's cold outside but the team is in great form and it's a great way for me to unwind and do some exercise.

19:30

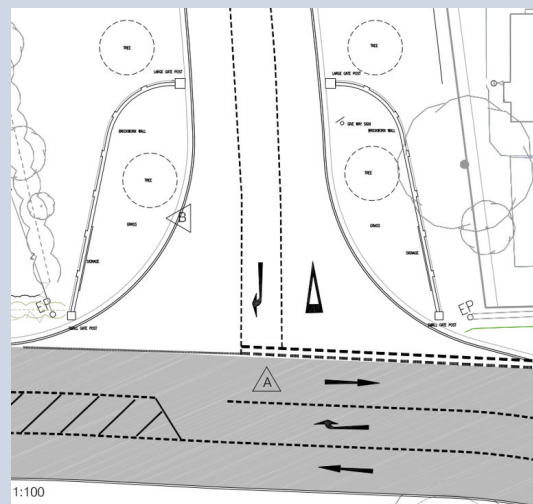
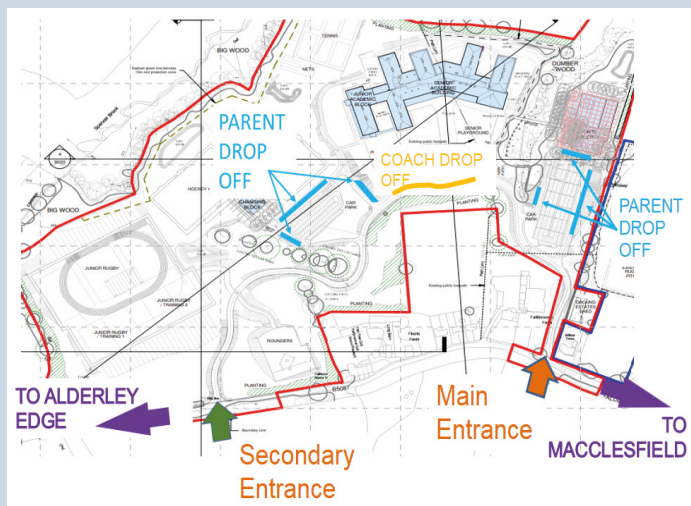


Dinner Time! I sit down in the warmth with my family and eat a home cooked meal, I've warmed up a little and we all talk about our day. I tell them all about how well the site is doing and all the meetings I've gone to. The day has been tiring but it was over in a flash, time to relax ready to do it all again tomorrow!



FAQS

At our event 'An Evening with VINCI', in which the project team met with parents and local residents, a number of questions were raised with regard to accessibility to the new campus and future parking provision. Hopefully we shall be able to answer some of these below:



Proposed Junction

1. How will I access the new campus?

Access to the new school site will be through two entrance / exits from Alderley Road (B5087). The main entrance is towards the Macclesfield side of the school site, with a secondary entrance further towards Alderley Edge.

To minimise congestion on the Alderley Road, new junctions will be created, each with a west-bound slip lane formed, allowing the free flowing movement of vehicles travelling towards Alderley Edge.

2. Where do I drop off my children?

Parent Drop-off Zones have been created to the south west of the main school building and to the south of the sports building.

3. What provision is there for parking on the school site for parents and visitors?

There are two main car parks in addition to the existing car park at the Derby Fields pavillion. One is near the Infant and Junior entrance to the main building and the other is near the Sports Centre.

4. Is there a bus drop-off zone?

A Bus / Coach drop-off area has been created to the front of the main school building.

5. Is there pedestrian access for children walking to school?

Yes, pedestrian access will be via a footpath at the rear of Prestbury Day Nursery, next to the bus stop on Macclesfield Road.



Visuals of the parking facilities