

## Examples of Healthcare Projects inc Animal Health

### Projects Aug 2011 to current

#### **MRI Unit St Georges Hospital Tooting – Oct 2021 – to Oct 2022**

Stage 3D to 6 – We were commissioned as Design and Build Architects on this exciting project which involved the construction of a new MRI unit using modular construction to reduce the impact on the operation of the hospital. The three storey building was lifted into a tight courtyard overnight, over a three week period, and then cladding and internal fit out completed to the building at the same time.

The facilities provided 3 MRI suites, patient waiting, consultation and ancillary spaces. First floor staff facilities and reporting rooms, and third floor plant room and air handling plant.

Externally the building was fitted with a green wall to the end elevations and landscaped courtyard to provide space for staff and patients to relax.

#### **Skylark Sequencing Laboratories: Welcome Trust Cambridges 2021**

We were appointed in 2021 following a what if Sketch Design in late 2020 to design a Sequencing Laboratory. The design of the Laboratories evolved over the design period doubling in size to provide 3 linked Laboratories able to satisfy Cat 2 criteria, together with associated plant, and plant rooms, Equipment and supplies Storage and ancillary Staff spaces and Offices. The Client had just introduced a Sustainability Manual for all future development on the campus and decided to try it out on this development first. We were therefore designing to a high Sustainability remit.

#### **Stoke Health Centre: £220 k On site 2017**

Minor refurbishment of the ground floor of the health centre to improve doctor's surgery and physiotherapy areas, replace windows & rooflights, improve solar control, refurbish the toilets, improve security and monitoring and carry out essential fire improvement works.

#### **Haywood Hospital: £105 k**

The design of a Changing Places Unit which utilised Offsite construction and was to be craned into a courtyard and finished on site. The works also involved landscaping proposals for the courtyard which opened out from one of the outpatient waiting areas.

#### **Leek Moorlands Hospital: £300 k Completed 2016**

The re-roofing of a Cottage Hospital whilst the existing ward and minor injuries unit was in operation. The works involved use of an innovative roofing membrane and sarking board and negotiation with the Conservation Officer as the works were in proximity to existing Listed former workhouses.

#### **Acute Unit: St Georges Hospital Stafford £2.6m completed Sept 2011**

This project was phase 2 of the redevelopment of Mental health facilities at the Michael Flanagan building on the St Georges site, to complete the



provision of step up step down facilities for Patients with Learning Disabilities. One of the hospitals consultants being a specialist in Autism.

A new 12 en-suite bedroom wing, staff areas and patient lounge was designed to wrap around the existing Michael Flanagan building a former Mental Health Isolation Ward. Ancillary accommodation and recreational facilities were housed in the refurbished building.

The project involved the challenge of providing good acoustics, daylight, robust fixtures, fittings and finishes, and integrating these in a secure environment whilst still ensuring that NHS standards in relation to infection control, privacy, dignity and standards were maintained; but still providing accommodation appropriate to the needs of such challenging patients.

The scheme also involved the design of signage, acoustic surfaces, and integration of artwork into the proposal, as well as the design of secure garden and recreation space and external spaces that would provide an extension to the interior space.

This project included further landscaped gardens and courtyards, but because patients in this facility stay longer, we also included recreational gardening space. Planting beds and greenhouse space were catered for so that patients could grow plants that could be used in cooking projects in the ADL kitchen.

#### **Projects 2003 to Jul 2011** *whilst working for Hulme Upright*

##### **Low Secure Unit: St Georges Hospital Stafford** £2.5m completed Oct 2010

This project was phase 1 of the redevelopment of the Michael Flanagan building, and provides secure virtually prison standard accommodation for males with Learning Disabilities.

The new facilities mirror the accommodation provided in phase 2 and include a 12 en-suite bedroom wing; whilst the ancillary and leisure accommodation in the refurbished part of the old building are in a larger wing and over two levels.

As this was only the 3<sup>rd</sup> facility of this type in the country and LSU standards were still only in draft format and evolving during the construction of this building, the final fixtures, finishes and service requirements needed to evolve to meet the needs of anticipated incoming patients; as well as heavy security, infection control, privacy and dignity.

One of the challenges of both the ph1 and 2 projects was to provide a light airy interior with good visibility for staff providing 24 hour care to the patients, but to be able to achieve the high level of glazing required crash tests were undertaken to identify suitable glass that would stand up to the physical demands of the patients.

The scheme involved initial design proposals for the inclusion of art into the overall scheme which was further extended due to success in phase 2.

The project also involved design of quiet courtyard gardens, to be used as tranquil zones as well as teaching zones, and more extensive landscaped space within a secure garden.

##### **Animal Management: Reaseheath College:** Completed Oct 2010

Planning Approval March 2009 (Ph2) and 2010 (Ph3)

A new Animal Management Centre was constructed to respond to the



colleges rapidly increasing numbers in animal courses, it has now acquired a zoo licence, and works in conservation of species.

Bordering on a Conservation Area the building was designed to respond to and sit well within the natural parkland campus setting. The new building provides Tropical Animal Rooms, Amphibians, Fish, Invertebrates, and Small Animal Barn together with Staff Offices, 4 Lecture rooms, student hub and a new focal entrance, and external teaching space set around a courtyard.

It also included design of feature animal housings, viewing windows as part of the zoo experience, but still allowing students to be taught undisturbed within animal rooms, and the design of our first ever small shark breeding tank.

**Projects 1997 to 2003** *whilst working for Gaunt Francis Associates and AustinSmith Lord*

**Powderject: Flue Vaccine Plant £19m**

Construction of a new Office block and Production plant on Liverpool Business Park. Facilities involved a three storey office block and staff recreation facilities attached to a six zone Flu vaccine production unit.

The project involved 10 Fire Fighting staircases and 2 standard staircases, and the Planning of a production unit with walk on ceilings and high dependency servicing to accommodate segregated clean and dirty servicing needs for the Pharmaceutical production facility.

The building also straddled LA boundary and involved an application to two Planning Authorities as well as negotiation with two Building Control and Fire Authorities. BSP left the practice at end Stage 2 tender cost negotiations, at the point of novation, just prior to commencement on site

Client: Chiron Pharmaceuticals Contractor: Pochin now Novartis