



## Case

# STUDY

### GOLPLA

Jubilee Medical Centre  
Car Park Extension



**MARKET SECTOR:**  
Commercial



**LOCATION:**  
52 Croxteth Hall Lane  
Liverpool, L11 4UG



**CONTRACTOR:**  
City Build / Siteright



**CONSULTANT:**  
Curtins Consulting Engineers

## The BACKGROUND

**Curtins Consulting Engineers contacted Geosynthetics in early 2015 looking for an alternative to traditional Macadam surface which featured positive drainage for a car park extension.**

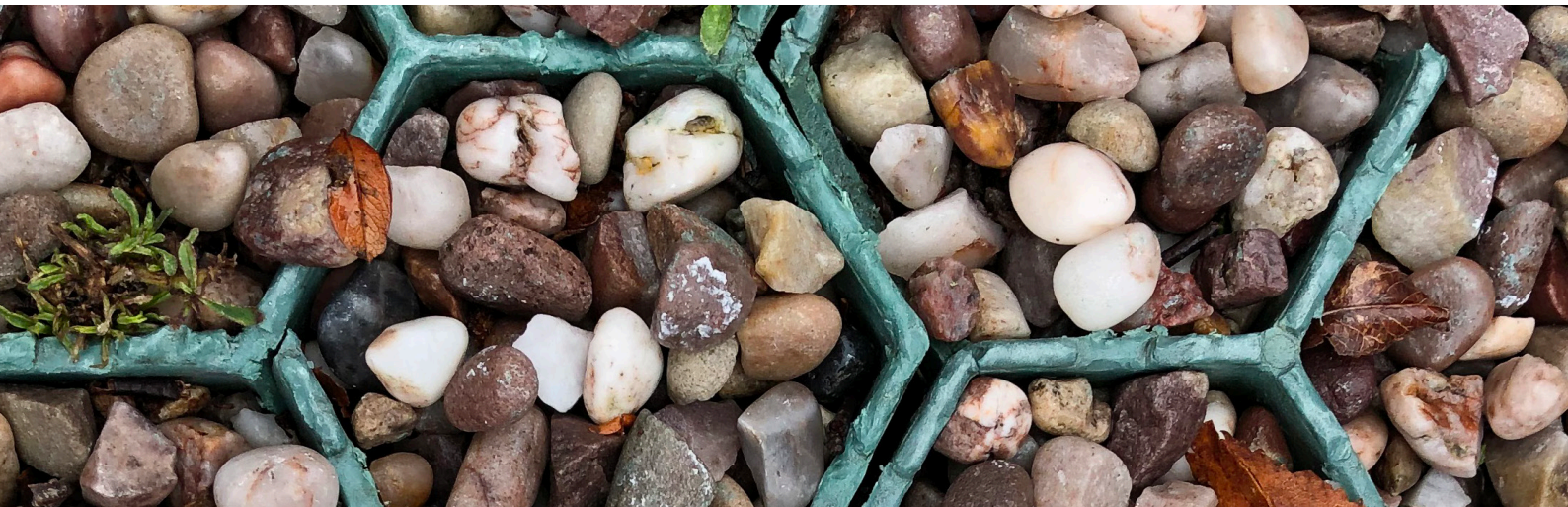
On completion the station will be the largest in the UK with a box structure 850m long, 70m wide and 20m deep. A subsurface structure of this kind requires extensive ground engineering works.

## Our Client's REQUIREMENTS

A sustainable solution for a positive drainage for a car park extension.

### Technical Requirements:

- Car park capable of withstanding upto light vans
- Permeable surface
- Strengthening poor subsoil
- Alternative to macadam surface





## Our Value Engineered **SOLUTION**

**Golpla being permeable enough to allow rainwater infiltration was proposed and a Technical Recommendation was prepared.**

Concerns over the strength of the subsoil where raised during excavations when a layer of clay was discovered at a depth of 400mm. Geosynthetics recalculated taking into account the clay and a Tenax geogrid was selected to strengthen the type 3 layer.

Using Golpla in combination with Geosynthetics Engineering services enabled Curtins Consulting Engineers to change the design of the car park and removed the need for drains and pipework.

