# Flood, Spill, Firewater Emergency Response
# Parrot Street

**Contents**

## 1. Introduction

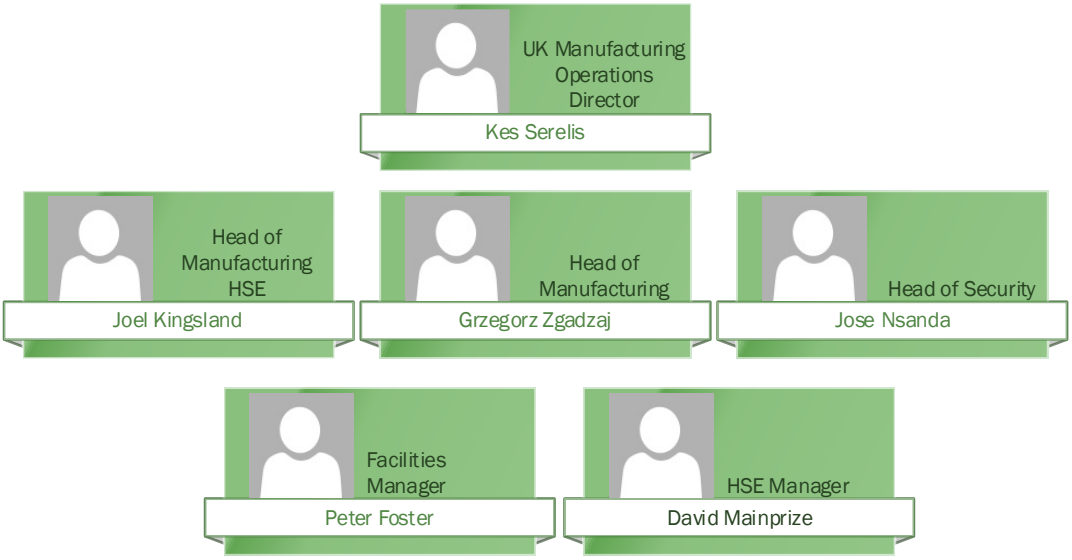
This procedure will explain how the Parrot Street site intend to respond to potential flooding, spill procedures and fire water runoff on the site.

The procedure will explain the responsibilities and emergency procedures to be followed should such an event occur. The procedure will give information to enable to site to prevent any potential environmental pollution on the events demonstrated within this procedure.

## 2. Site address

Wren Kitchens, Parrot Street, Barton-Upon-Humber

## 3. Site Management Structure




### 3.1 Contact Details

| Name | Title | Telephone Number | Email |
|---|---|---|---|
| Kes Serelis | UK Manufacturing Operations Director | 07896950226 | kes.serelis@wrenkitchens.com |
| Grzegorz Zgadzaj | Head of Manufacturing | 07773597991 | grzegorz.zgadzaj@wrenkitchens.com |
| Joel Kingsland | Head of Manufacturing HSE | 07870893490 | joel.kingsland@wrenkitchens.com |
| Jose Nsanda | Head of Security | 07976791692 | Jose.nsanda@wrenkitchens.com |
| David Mainprize | HSE Manager | 07929752131 | David.mainprize@wrenkitchens.com |
| Peter Foster | Facilities Manager | 07814235681 | peter.foster@wrenkitchens.com |

## 4. Responsibilities

### 4.1 UK Manufacturing Operations Director (Incident Controller)

The UK Manufacturing Operations Director is overall responsible for the potential environmental impact created from the site from an event that causes minor or major environmental impact. Main responsibilities include

- creation and continual review of emergency procedures
- ensuring sufficient resources are made available for training and exercising of emergency procedure
- ensuring staff involved within emergency response are competent to undertake their responsibilities.
- ensuring adequate communication and consultation of emergency response plans.
- ensuring service and maintenance of all onsite facilities concerned with flooding, spillages and Fire water run off features of the site.
- ensuring any Environmental incident is reported to the appropriate authority.
- ensuring appropriate communication with emergency response team during environmental incidents.
- working in co-ordination with any authorities during an incident on the site.
- be part of the ERT team

### 4.2 Head of Manufacturing HSE

The Head of Manufacturing HSE is responsible for

- creation and continual review of emergency procedures
- ensuring staff involved within emergency response are competent to undertake their responsibilities.
- ensuring adequate communication and consultation of emergency response plans.
- ensuring any environmental incident is reported to the appropriate authority.
- notifying the incident controller of any potential environmental incidents on the site
- ensuring that all emergency response team members are assigned duties and understand all emergency procedures
- working in co-ordination with any authorities during an incident on the site
- monitoring levels of water within the sites drainage systems.
- be part of the ERT team

### 4.3 Head of Manufacturing

The Head of Manufacturing is responsible for

- to ensure staff involved within emergency response are competent to undertake their responsibilities.
- notify the incident controller of any potential environmental incidents on the site
- work in co-ordination with any authorities during an incident on the site.
- to ensure staff involved within emergency response are competent to undertake their responsibilities.
- verify substance released and obtain Material Safety Data sheets, as necessary
- make aware relevant people of potential emergency response on site
- be part of the ERT team

**4.4 Head of Security**

The Head of Security is responsible for

- notify the incident controller of any potential environmental incidents on the site
- work in co-ordination with any authorities during an incident on the site
- restrict access to the incident scene and surrounding area as the situation demands
- make aware relevant people of potential emergency response on site

**4.5 Site HSE Manager**

The site HSE Manager is responsible for

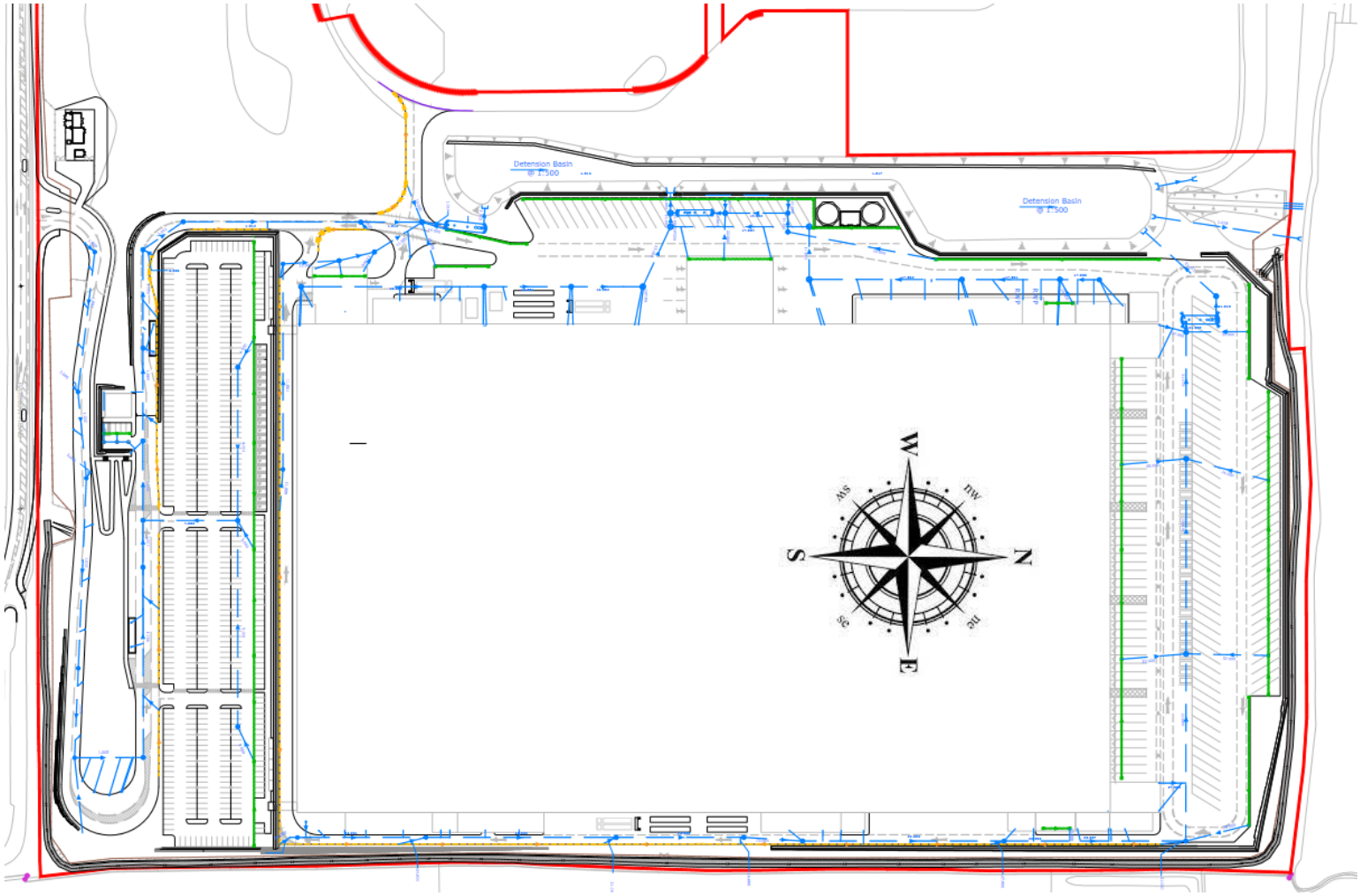
- to ensure staff involved within emergency response are competent to undertake their responsibilities
- to ensure any Environmental incident is reported to the appropriate authority.
- verify substance released and obtain Material Safety Data sheets, as necessary
- make aware relevant people of potential emergency response on site
- ensure Risk assessments are conducted and updated of emergency response activities
- monitoring levels of water within the sites drainage systems.

**4.6 Facilities Manager**

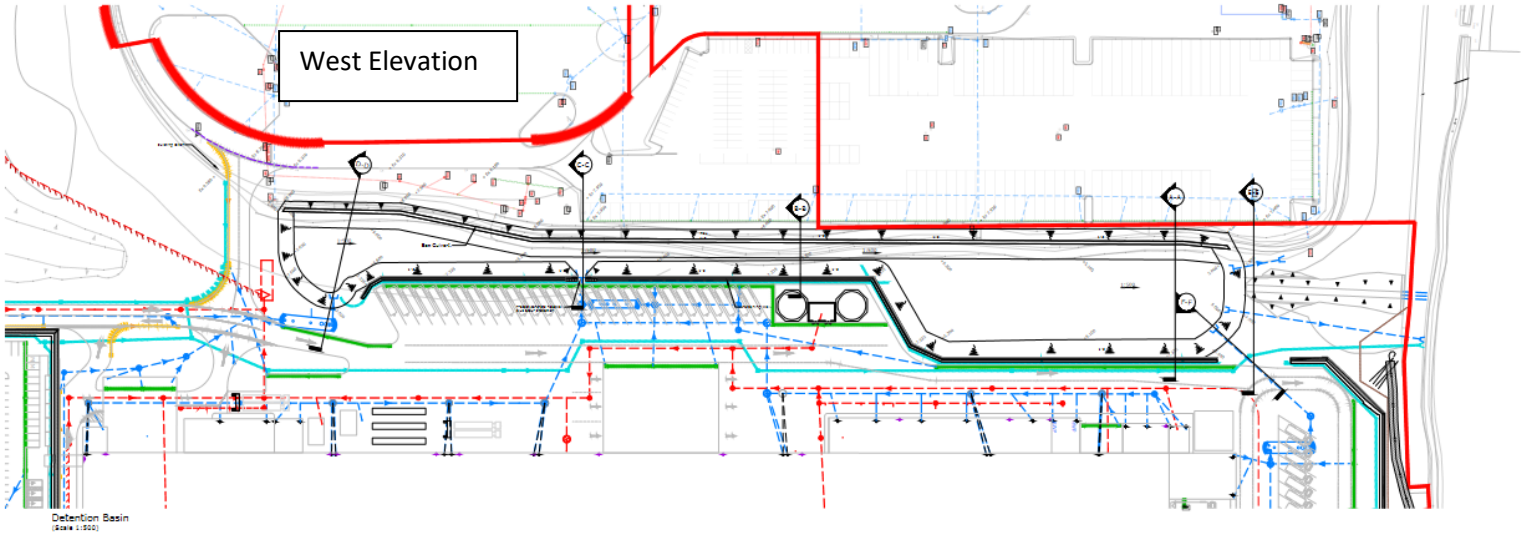
The Facilities Manager is responsible for

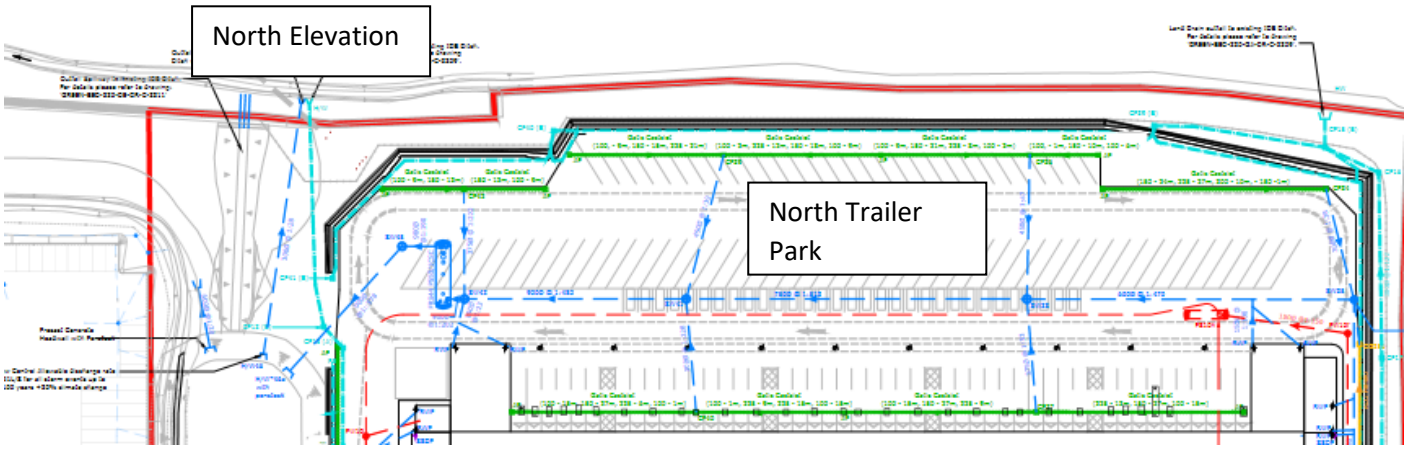
- ensuring service and maintenance of all onsite facilities concerned with flooding, spillages and Fire water run off features of the site.
- notifying the incident controller of any potential environmental incidents on the site
- to ensure all drainage maps are kept up to date and made available.
- ensuring that all drainage areas remain clean and free from blockages.

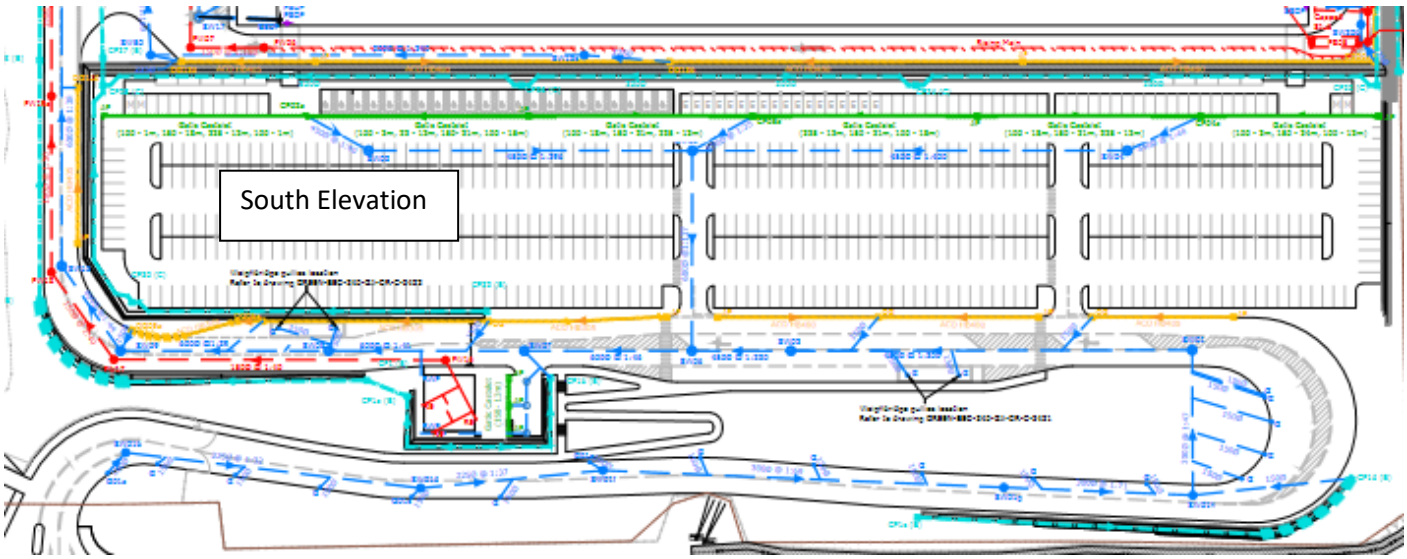
## 5. Drainage Maps




**Surface water** ——▶

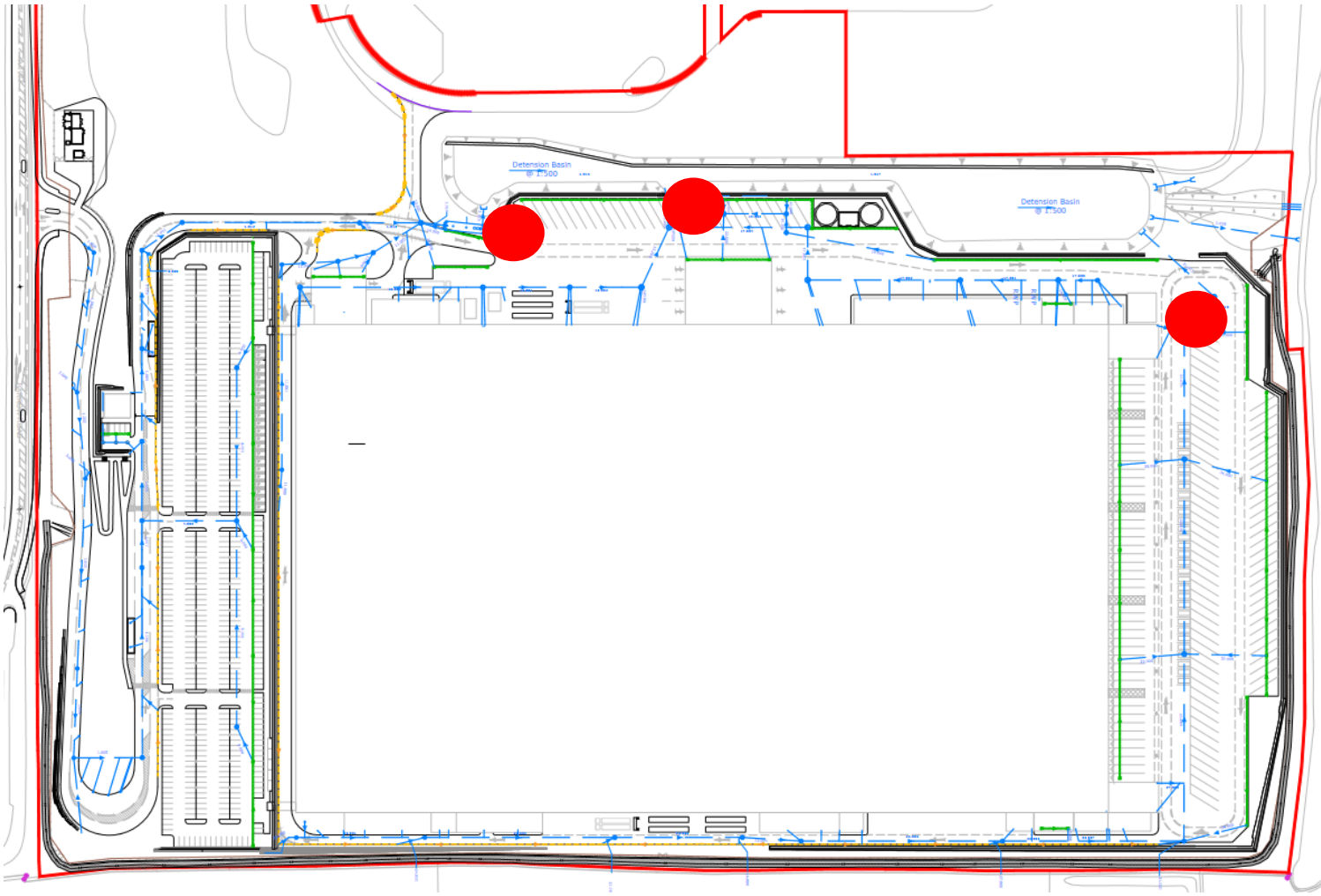

West Elevation
Detention Basin


North Elevation
North Trailer Park


South Elevation

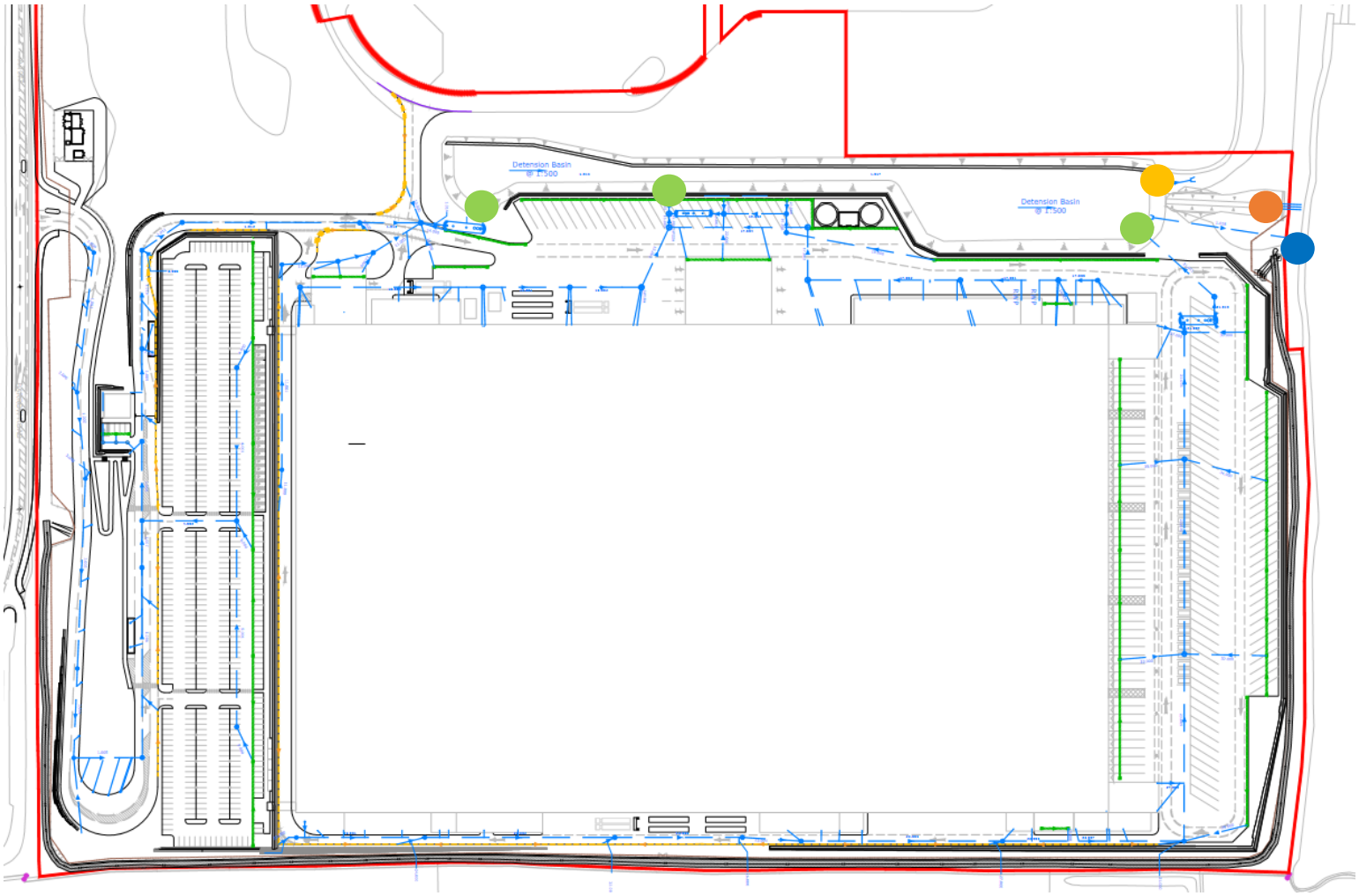
## 6. On site Interceptors

There are three interceptors fitted on the Parrot street site, these are shown below, all Gatic Castslot are drained through on site interceptors.



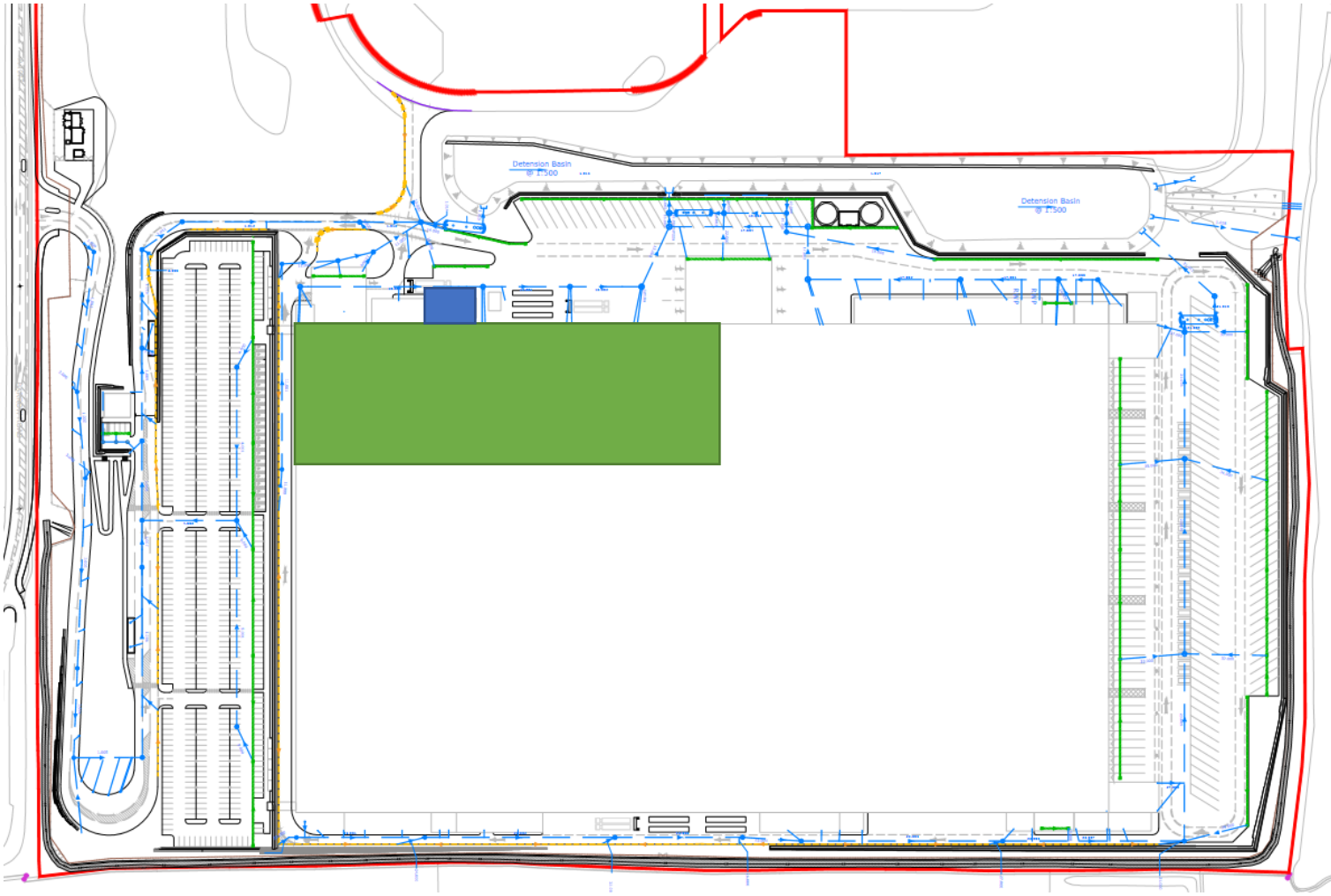

**Interceptors**

## 7. Penstock Valves




- Penstock Valve- All penstocks are linked with the site fire alarm
- Penstock Valve- unlinked with fire alarm, to remain closed unless required
- Spillway
- Hydro-brake

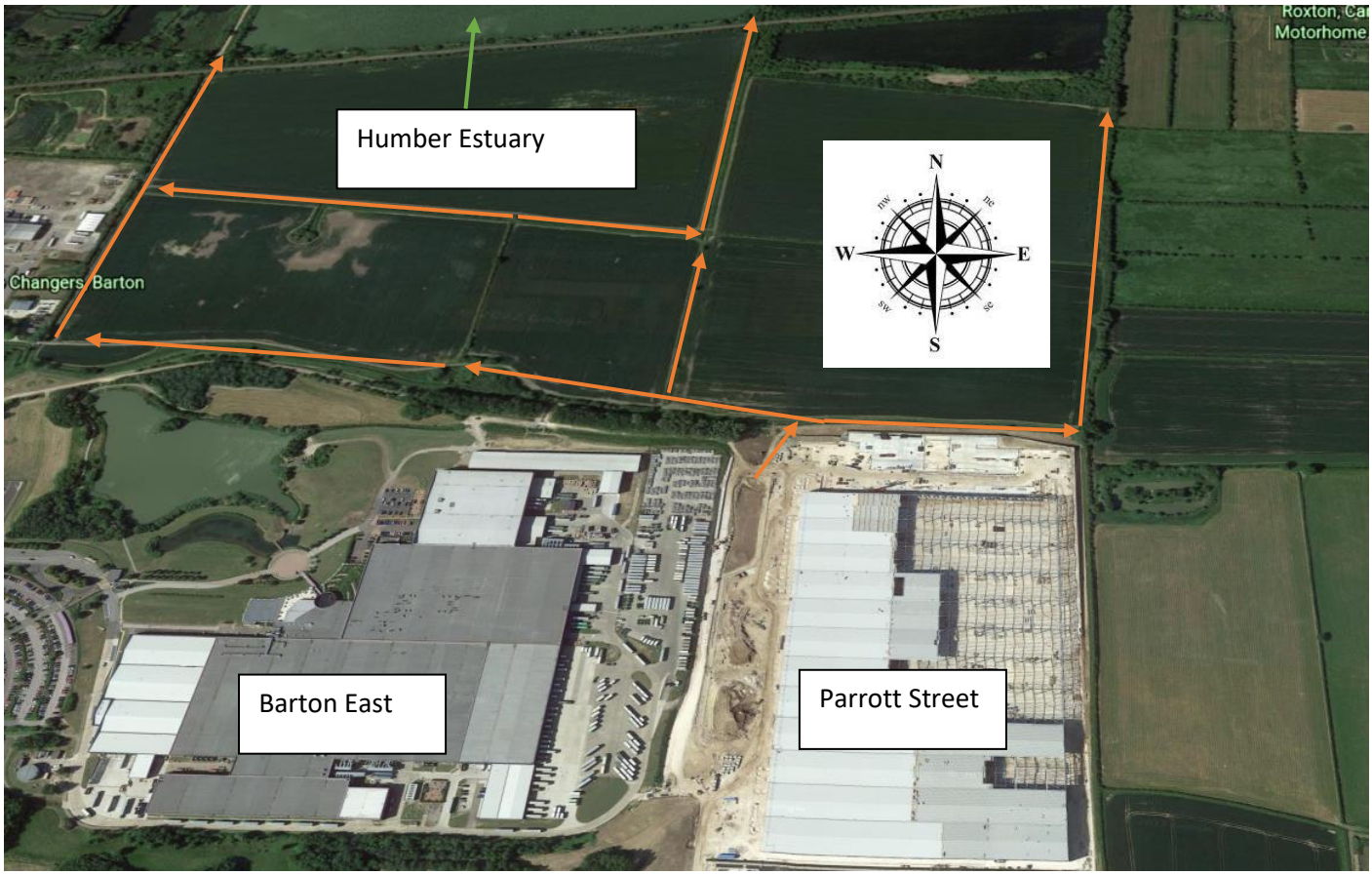
## 8. Chemical Locations




Main chemical usage areas

Chemical storage area

## 9. External Discharge Route



## 10. Scenarios

### 10.1 Scenario 1- Flooding

In the event of a surface water flood the site could divert water to the Barton West pond if the amount required to drain is acceptable without other associated flooding. This can be done by activated the unlinked penstock valve to the northwest of the site.

The water from the penstock with travel adjacent to the Barton West site where the Barton West spill way and retention pond will help relive the amount of water travelling down the dyke.

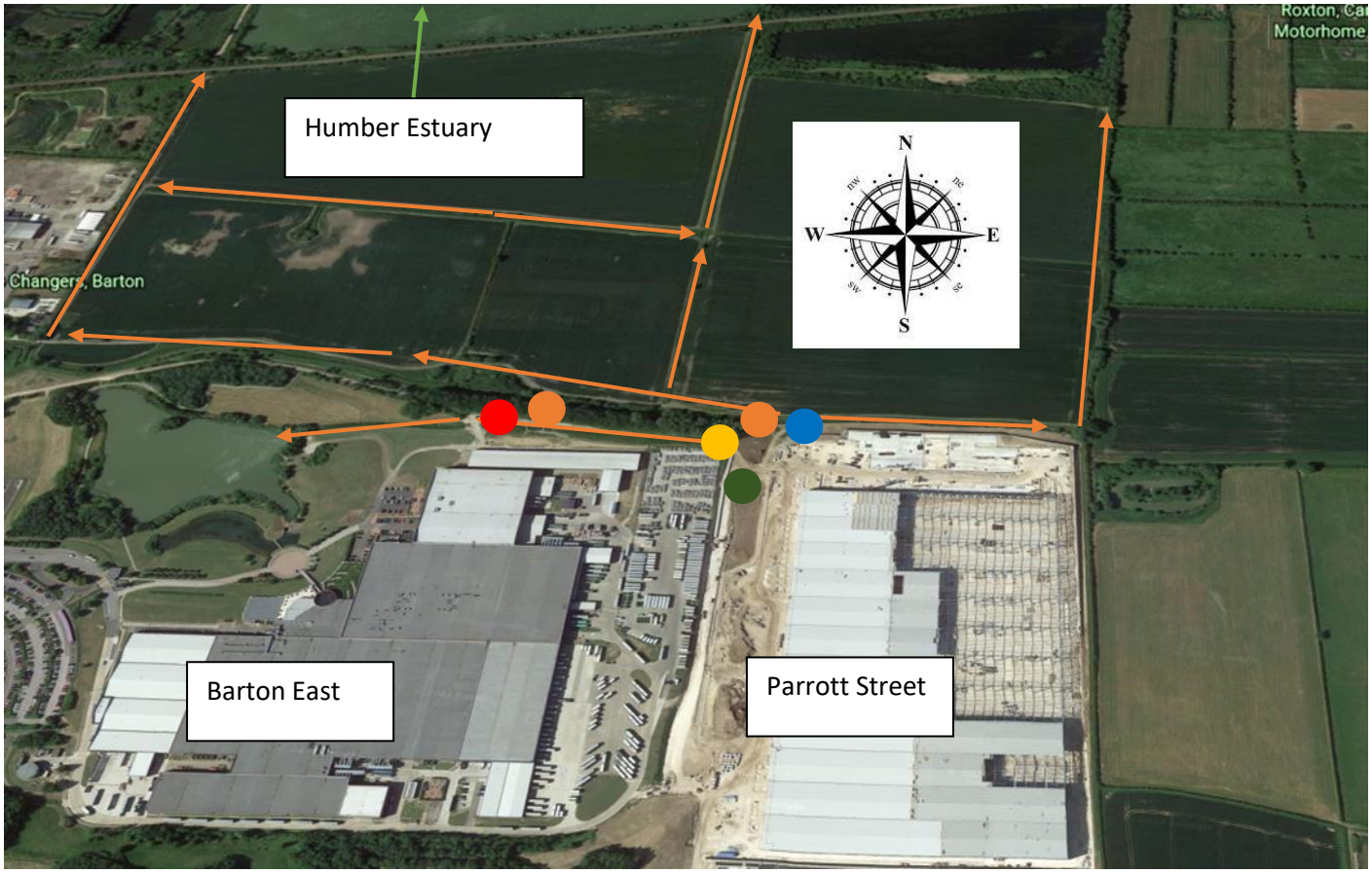

Unlinked Penstock

Spillway

Hydrobrake

**10.2 Scenario 2- Elevated Ground Water**

In the event of elevated ground water the site could utilise the retention pond at the Parrott Street factory. The retention pond will be used to hold the elevated ground water. A marker board will be monitored and show the water level height. Once the ground water has reached the peak level. The relevant authorities will be notified and the 'D150' water pump will be transported to the Parrott Street retention pond. Water will then be pumped over the closed penstock over the slipway. The closed penstock will stop any elevated ground water entering the site from the slipways. Water discharged from the site will be monitored by the Wren Facilities Manager and HSE Manager, reports will be sent to the head of manufacturing HSE manager. The waterways will be monitored to make sure water flow is not excessive and the slipways are freely flowing. Additional surface water can be diverted to the Barton West pond if the Barton West retention pond has capacity to hold additional water required. This can be done by activating the unlinked penstock valve to the northwest of the site.



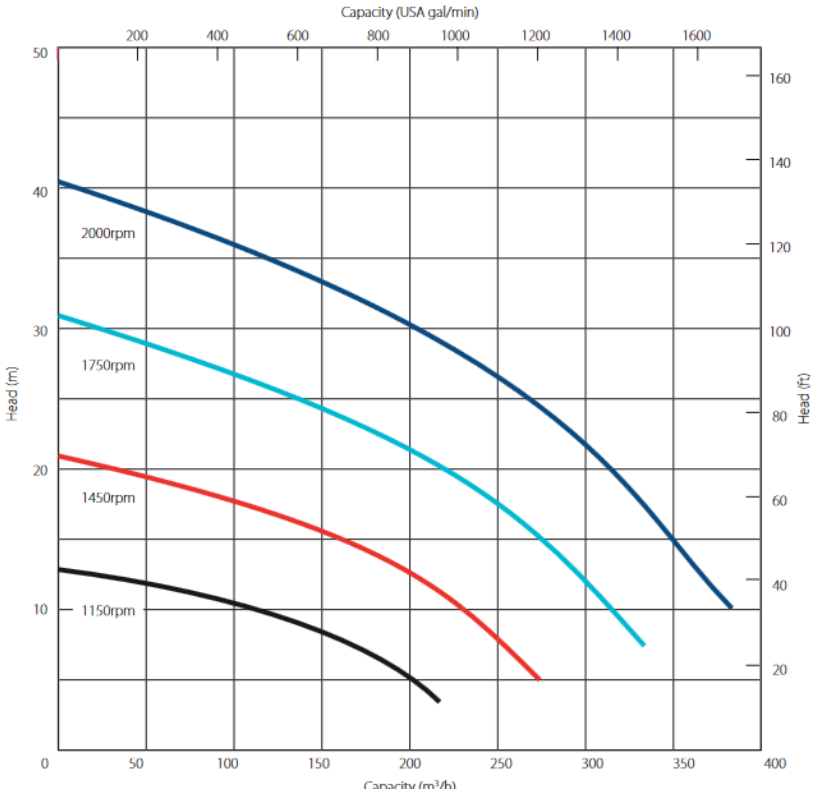

- Penstock Valve- All penstocks are linked with the site fire alarm
- Penstock Valve- unlinked with fire alarm, to be opened for excessive water levels
- Spillway
- Hydro-brake
- Downstream Penstock Valve – to be closed and utilised for elevated water levels
- Diesel fuel pump location – to be utilised to assist with removing water off site over the slipway

SELWOOD DATA SHEET

# D150 Eco

# High volume drainer 'D' pump

| Pump end specification | | |
|---|---|---|
| | Metric | US |
| Capacity | 380 m³/h | 1673 gpm |
| Total Head | 40.5 m | 133 ft |
| Max. Solids Size | 45 mm | 1.77 in |
| Self Priming Lift | 8.8 m | 29 ft |
| Air Handling | 24 l/s | 50 cfm |
| Selprime® Absorbs | 2.2 kW | 3 hp |
| Power Required | 30 kW | 40 hp |
| Pump Speed Max. | 2000 | 2000 |
| Pump Speed Min. | 1150 | 1150 |
| Impeller Type | Drainer | Drainer |
| Impeller Blades | 3 | 3 |
| Impeller Diameter | 255 mm | 10 in |
| Inlet Port | DN 150 PN6 | 6 PN6 |
| Outlet Port | DN 150 PN6 | 6 PN6 |
| Length<br>Width<br>Height | 84 cm<br>71 cm<br>71 cm | 33.1 in<br>28.0 in<br>28.0 in |
| Weight | 300 kg | 661 lb |




**10.3 Scenario 3- Chemical/fuel Spills**

In the event of a large-scale chemical/fuel spill the site fire alarm must be activated via the nearest fire call point. This activation will lower all site penstock valves until the spillage can be dealt with.

Only ERT team members are authorised to seal with chemical/fuel spills.

A member of the ERT team must check that the unlinked penstock valve is also closed to ensure any potential pollution does not contaminate the Barton West site.

Any chemical/fuel spills that pass through the sites interceptors can be extracted using licenced waste removal companies.

Flame UK Ltd are authorised to deal with tankers for such situations

Telephone- 0115 896 5460

Email- wren@flameuk.co.uk

**10.4 Scenario 4- Large Scale Fire**

In the event of a large-scale fire where thew potential for a significant Environmental impact from fire water run off the fire alarm must be activated immediately to ensure all penstocks are closed. A member of the ERT team must check that the unlinked penstock valve is also closed to ensure any potential pollution does not contaminate the Barton West site.

**11 Contacts**

| Company | Service | Contact number |
|---|---|---|
| Environmental Agency | Flooding | 0345 988 1188 (24hr) |
| Drainage Board | Flooding | 01522 697123 |
| | Emergency flooding | 07719 042680 |
| North Lincs Council (LFA) | Flooding, Chemical spills, | 01724 297000 |
| | Emergency Number | 01724 276444 |
| Local Police | Non-Emergency | 111 |
| | Emergency | 999 |
| Humberside Fire Service | General Enquires | 01482 565333 |
| | Emergency | 999 |

**12 Flood Warning**

**12.1** On receipt of flood warning text/email, The Wren Kitchens Barton West Site Maintenance Facilities Department & Head of Manufacturing HSE will be notified, who will ensure regular checks are carried out on water levels around site and taking note of the levels on the two marker boards situated at the spillway and lake outflow. The spillway top is @ 7.2 AoD and the basin outflow penstock is available to open if instructed by the IDB.

**12.2** If the water level reaches 7.0 on the marker boards, set contacts at IDB, LFA & Fire Service will be notified.

**12.3** Once water levels have reduced below 7.2Aod the relevant authorities will be notified. The notification must be made either by the UK Manufacturing operations Director/Head of Manufacturing HSE/Facilities Manager.

**12.4** A mobile diesel pump is on site if required to assist flow of ground water off site. (Capacity info will be included in document)

**12.5** In the event of Fire or Chemical Spill, all penstocks will close and Fire/Chemical spill procedure will be followed.