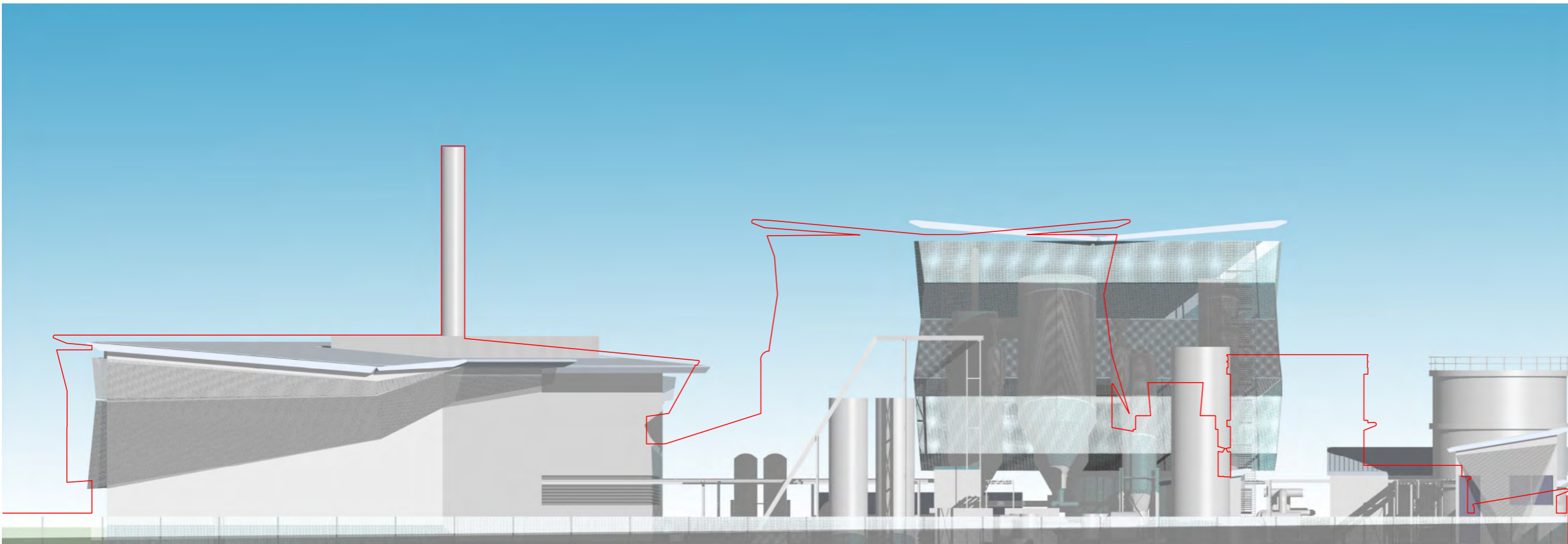


**NORTH ELEVATION**



**EAST ELEVATION**

Outline of initial  
scheme



STUDIO **E** ARCHITECTS LTD

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Approved:  
**G Stewart**

Revisions:  
**Revision B: Layout Revised**

Date:  
**25.09.09**

Drawn by:  
**G Toon**

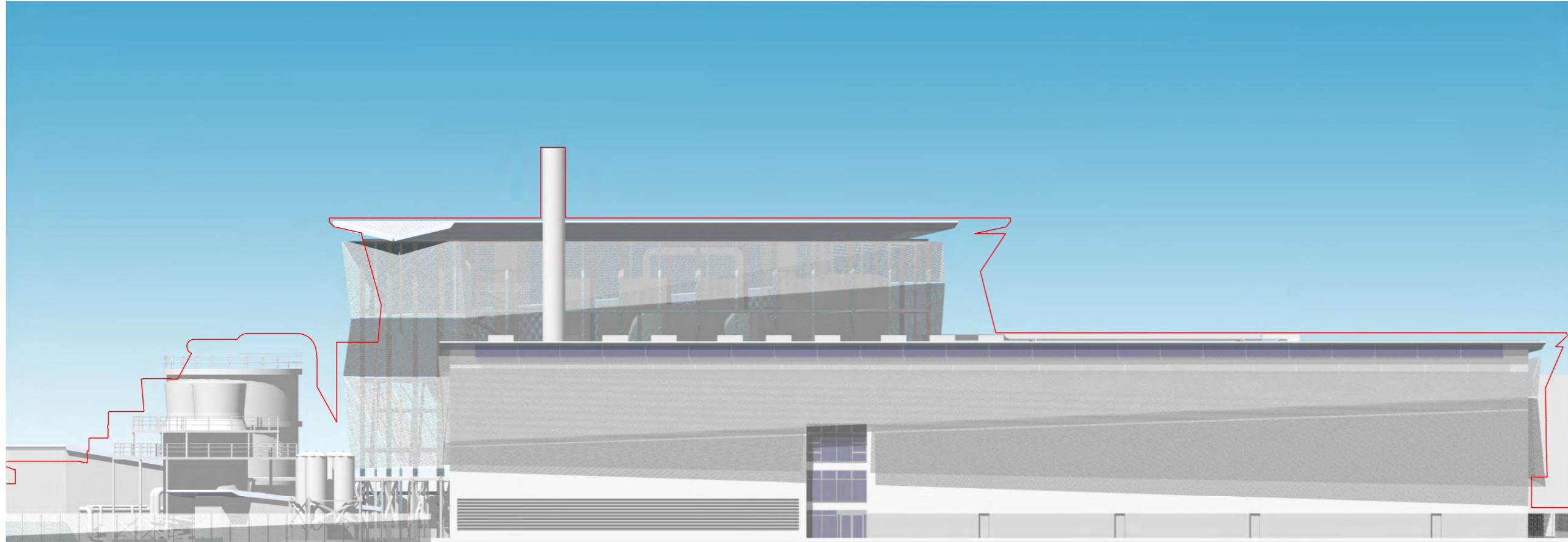
Scale:  
**1 : 200 @ A1  
1 : 400 @ A3**

Client:  
**Biossence**

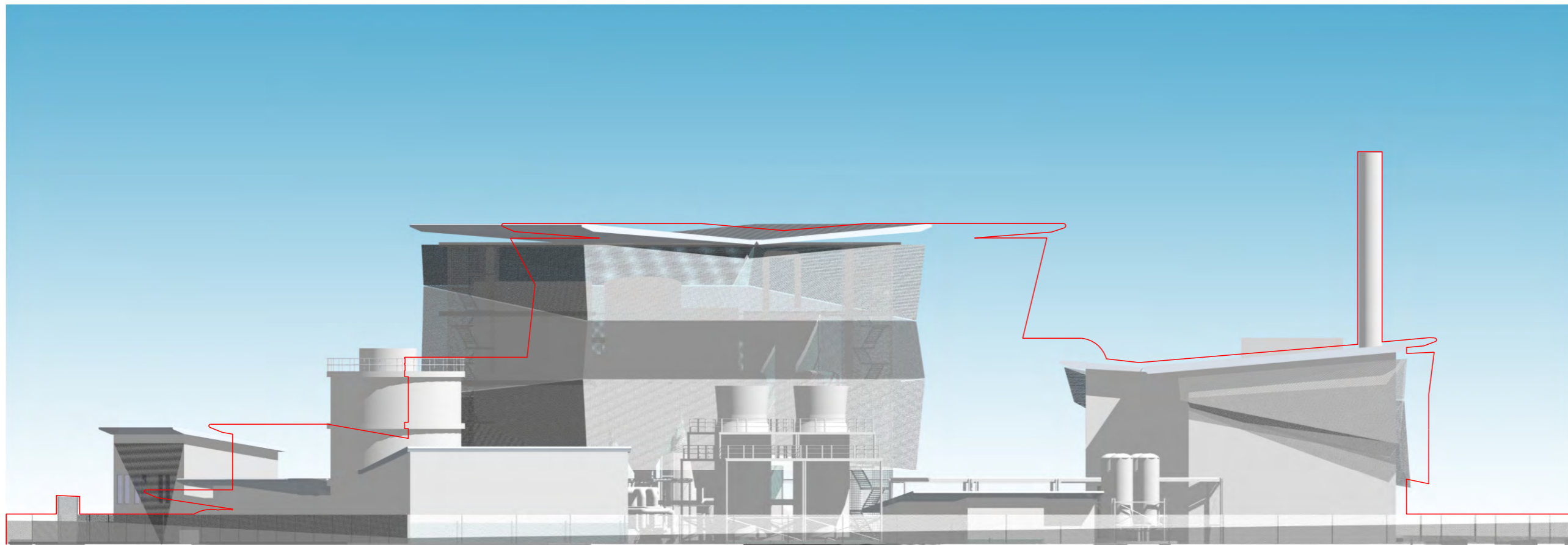
Job:  
**Sustainable Energy Facility  
East London**

Drawing Title:  
**North Elevation  
East Elevation  
With outline of initial scheme**

Drawing Number:  
**PL 012 B**



**SOUTH ELEVATION**



**WEST ELEVATION**

Outline of initial  
scheme



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G Stewart

**Revisions:**  
Revision B: Layout Revised

**Date:**  
25.09.09

**Drawn by:**  
G Toon

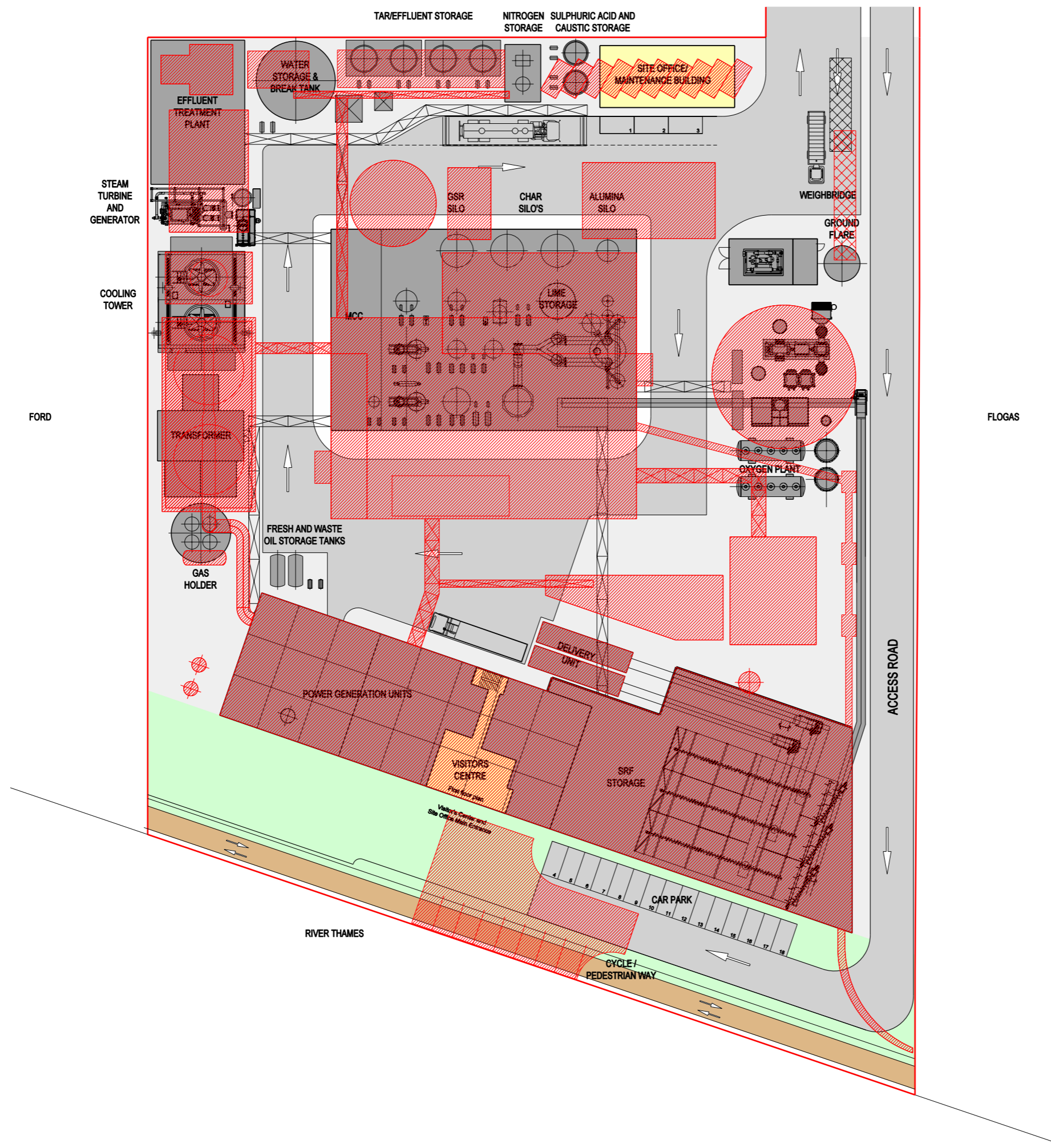
**Scale:**  
1 : 200 @ A1  
1 : 400 @ A3

**Client:**  
Biossence

**Job:**  
Sustainable Energy Facility  
East London

**Drawing Title:**  
South Elevation  
West Elevation  
With outline of initial scheme

**Drawing Number:**  
PL 013 B



**LEGEND**

SITE	
ROAD	
PROCESS	
OCCUPANCY	
LAND SAFE GUARDED FOR CYCLE / PEDESTRIAN WAY	
APPLICATION BOUNDARY	
PREVIOUS MASSING FOOTPRINT	



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**Approved:**  
G Stewart

**Revisions:**  
Revision D: Layout Revised

**Date:**  
30.09.09

**Drawn by:**  
O Bray

**Scale:**  
1:600@A3

**Client:**  
Biossence

**Job:**  
Sustainable Energy Facility  
East London

**Drawing Title:**  
Site Layout Previous Massing  
Comparison

**Drawing Number:**  
PL 014 A

Table 1: Schedule of Proposed Amendments to the Approved Layout

Plant/Equipment	Approved Layout (Drawing ref. PL 010)	Revised Layout (Drawing ref. PL 010E)
Riverside Building (Power generation island)	Unchanged: Location, size and external aspect of the building remain unchanged. The 34m high stack remains at the same location. The steam turbine is now replaced by the engine units. The Visitors Centre remains at the same location within the overall Riverside building.	
Gasification Island (central building)	Located centrally within the site.	The overall size and mass/height of the building remains the same. The building has been slightly moved northwards by 12 metres.
Blower House	Located along the eastern boundary of the site.	As part of the power generation process, this is now accommodated with the Gasification building.
Gas Storage Tank	The Propane Storage Tank is located to the east of the Gasification building.	A smaller gas holder is needed as part of the new process, and this is located to the west of the Riverside building.
Oxygen Plant	Not required.	The oxygen plant is required as part of the preparation of the fuel for the gas engines. This enables the improved energy efficiency of the gas engines power generation units. The Oxygen Plant is located to the east of the Gasification Island building, in lieu of the Propane Storage Tank and Blower House relocated elsewhere.
Cooling Tower	Located alongside the western boundary.	Reduced cooling requirements resulted in a smaller Cooling Tower. Its location remains unchanged.
Transformer	Located to the north western corner of the site.	Relocated alongside the western boundary of the site, 40m south of the approved location.
Water Storage & Break Tank	Located to the north of the Gasification Island.	Relocated alongside the northern boundary of the site, immediately adjacent to the Effluent Treatment Plant.
Effluent Treatment Plant	Located to the north west of the site, alongside the western boundary.	Relocated 7.5m northwards to the north west corner of the site.
Nitrogen Storage	Located to the north of the Gasification Island.	Relocated alongside the northern boundary of the site.
Tar/Effluent Storage	Location unchanged alongside the northern boundary of the site.	

<p><b>Sulphuric Acid and Caustic Storage</b></p>	<p>Location unchanged alongside the northern boundary of the site.</p>	
<p><b>Site Office / Maintenance Building</b></p>	<p>Located to the north east of the Gasification Island.</p>	<p>Building moved 15m northwards alongside the northern boundary of the site.</p>
<p><b>Ground flare and REC Meter &amp; Switch Room</b></p>	<p>Ground flare stacks provided to the south western corner of the site with three REC Meter &amp; Switch Room located alongside the northern boundary of the site.</p>	<p>Ground flare (used as back up only) relocated alongside the eastern boundary of the site, with the REC Meter &amp; Switch Room provided immediately adjacent to it.</p>
<p><b>Air Cooled Condensers and Condensate Tank</b></p>	<p>Located alongside the western boundary of the site.</p>	<p>No longer required as part of the new power generation strategy.</p>
<p><b>Fresh and Waste Oil Storage Tanks</b></p>	<p>Not required</p>	<p>Required for the gas engine units' maintenance purposes.</p>
<p><b>Car Park</b></p>	<p>18 car park spaces provided near the site entrance (10) and alongside the southern boundary of the site (8).</p>	<p>18 car park spaces provided near the site entrance (3) and alongside the southern boundary of the site (15). The car park area provided to the south of the site has been moved closer to the Riverside Building in order to accommodate the cycle/pedestrian way required under the extant consent.</p>