

1. Requirement

- 1.1. Phase 2 of the Community Diagnostic Centre to be sited in the basement of The Mall Shopping Centre requires emergency backup electrical power for the life safety systems and evacuation lift.
- 1.2. As there is no secondary power source available in the Centre, It is proposed to install a standby generator in Service Yard 7.

2. Location

- 2.1. The generator will be sited within a secure enclosure on the service yard side of the boundary wall to Mayes Road, to the left of the entrance gates when facing the Centre.
- 2.2. An existing redundant security hut will be demolished and the timber fence between this and an existing brick wall will be removed.

3. Extent

- 3.1. The generator is 3520mm long x 1120mm wide x 1815mm high.
- 3.2. The security enclosure will be 5520mm long x 3520mm wide internally to allow maintenance access to the machine. It will be approximately 1900mm high (the brick wall to Mayes Road will be the same height as the existing wall at approximately 2100mm.

4. Design

- 4.1. The perimeter of the enclosure on the boundary to Mayes Road will constructed as a free standing brick wall to match the existing walling in materials and height; this will be continued for the extent of the existing fencing in order to provide a consistent elevation to the road.
- 4.2. The generator will be sited on a flat concrete base and will be enclosed on three side with a security fence and gates formed from the same open grid metal fencing as the recently consented sub-station enclosure. It will be powder coated RAL 5005 NHS Blue.

5. Operation

- 5.1. As this unit is only required for emergency use, it will only be operational if there is a power failure in the Centre. However it will require regular testing which will take place on a monthly basis for about 30 minutes during daytime hours.

6. Noise generation

- 6.1. The generator itself will be housed in an acoustic enclosure in order to reduce the noise generator to a minimum – see Sharps Redmore report attached

Photos



View of redundant security hut
within Service Yard 7



External view of site for new
generator enclosure from Mayes
Road



Proposed generator within
acoustic enclosure