

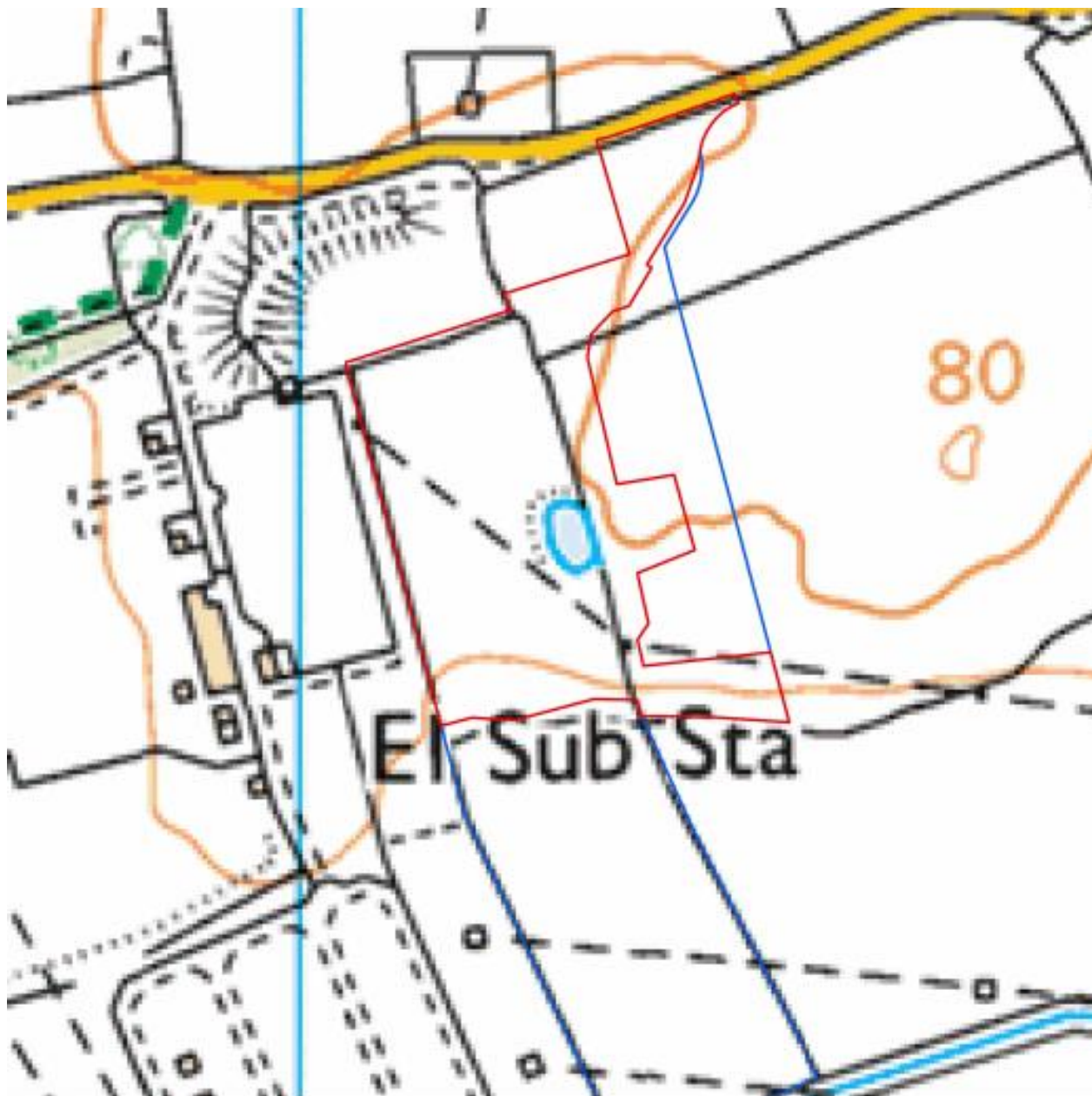
21/00195/FUL

Land South Of, Astwood Lane, Feckenham,
Redditch, Worcestershire, B96 6HP

Construction of a Greener Grid Park comprising
energy storage and grid balancing equipment,
along with associated infrastructure,
landscaping and access.

Recommendation: Grant subject to conditions


Site Location Plan



Local Plan Allocation Map



Key

 Green Belt
(Policy 8 Green Belt)

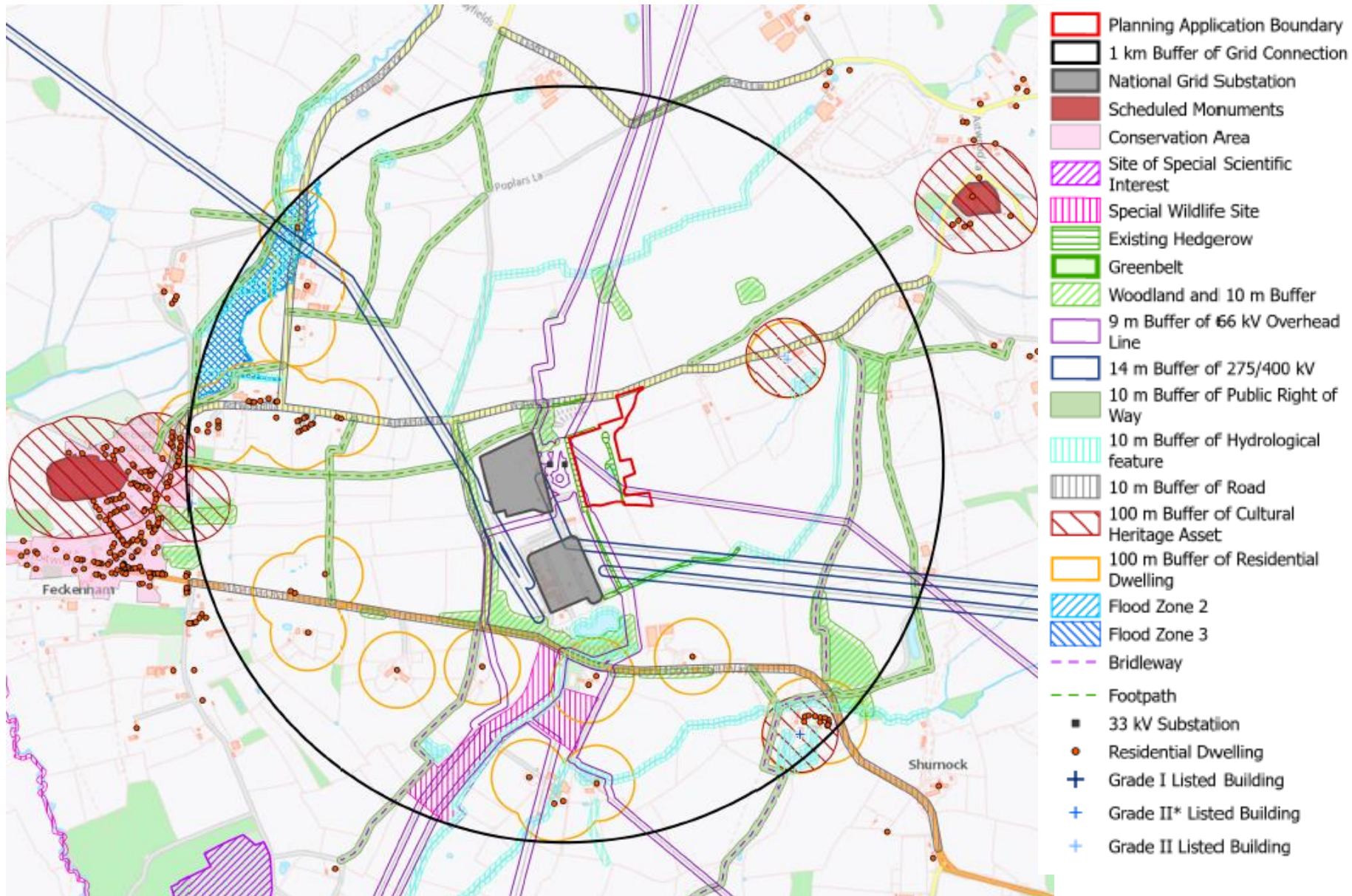
Satellite View



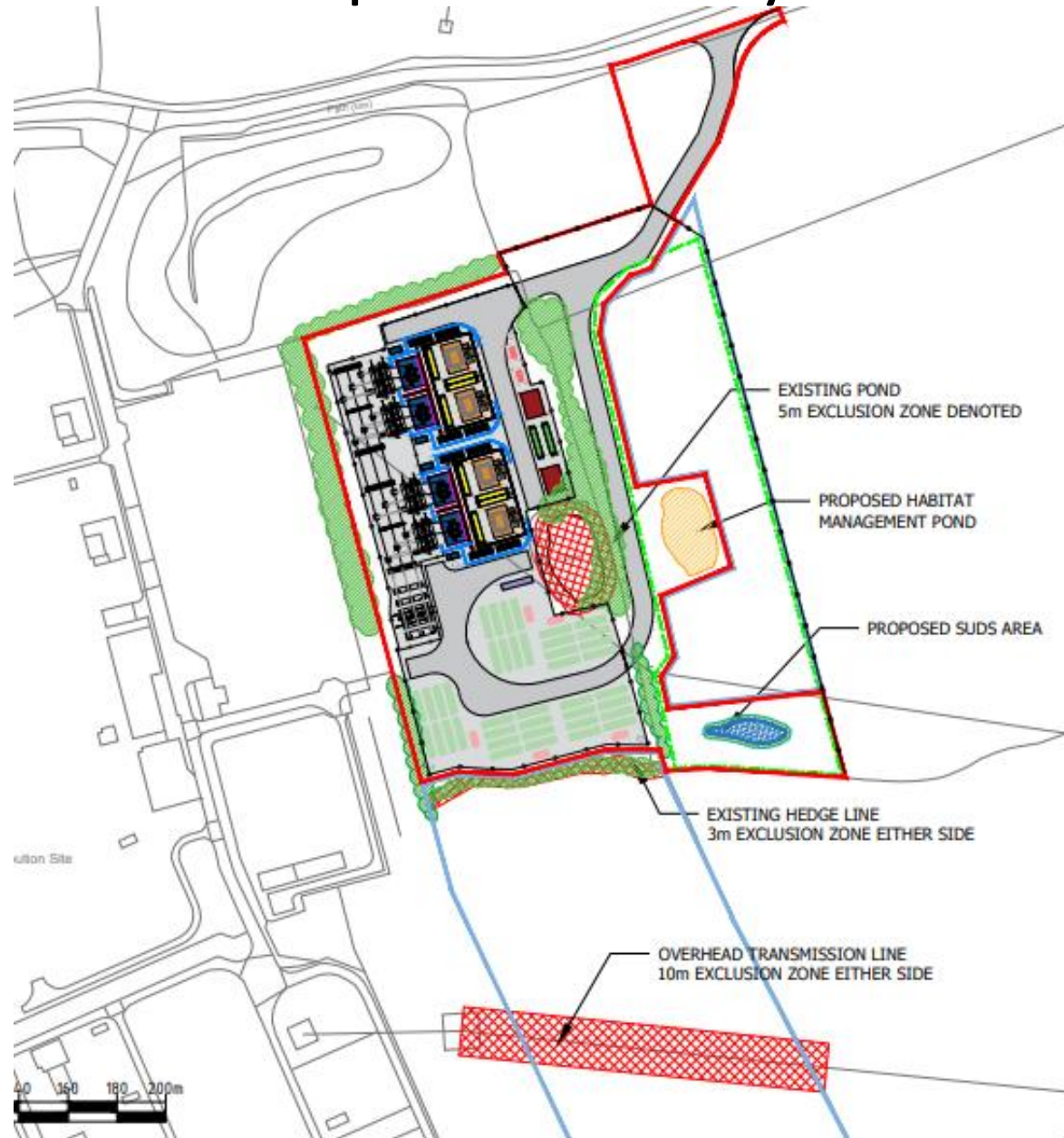
Application Site Context



Constraints Plan



Proposed Site Layout



3.4m HIGH PALISADE FENCE

1.6 m STOCK PROOF FENCE

BATTERY (12.9m x 2.44m x 2.59m)

INVERTER (6.1m x 2.44m x 2.59m)

TRANSFORMERS WITH 7.0M HIGH
CONNECTING BUS BARS

LV SWITCH HOUSE (7.5m x 9.1m x
3.5m)

FIRE WALL (0.5m x 10.0m)

BUILDING (20.7m x 36.7m x 10.0m
TO ROOF PITCH)

E-HOUSE (ENCLOSED IN BUILDING
20.7m x 36.7m x 10.0m TO ROOF
PITCH)

ENERGY MANAGEMENT SYSTEM
(ENCLOSED IN BUILDING 20.7m x
36.7m x 10.0m TO ROOF PITCH)

COOLER (9.6m x 2.4m x 2.5m)

PROPOSED ROADS

EMERGENCY BACK UP DIESEL
GENERATOR (6.1m x 3.6m x 2.9m)

COMMS HOUSE (12.19m x 2.44m x
2.59m)

6m SECURITY COLUMN

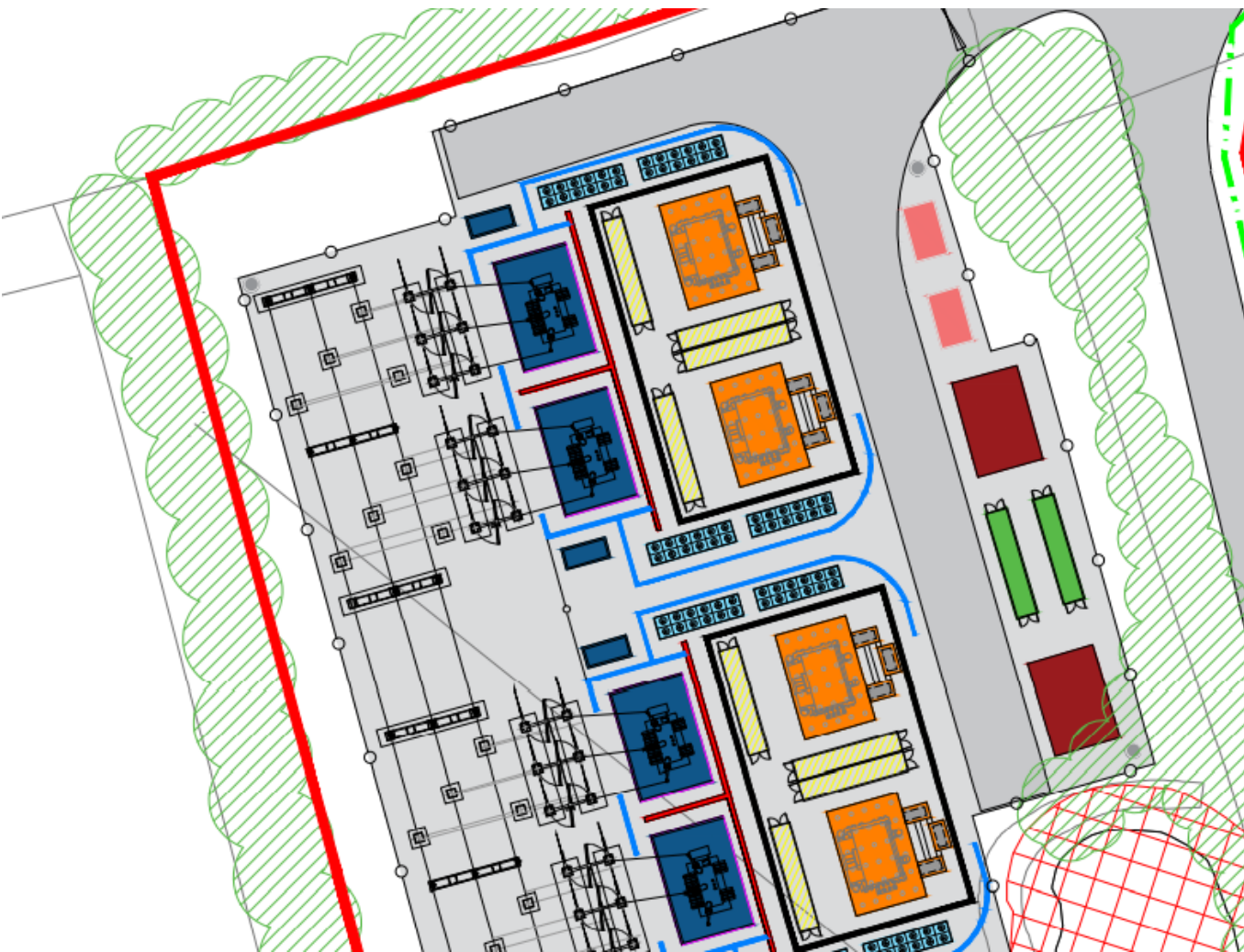
4m HIGH WALL

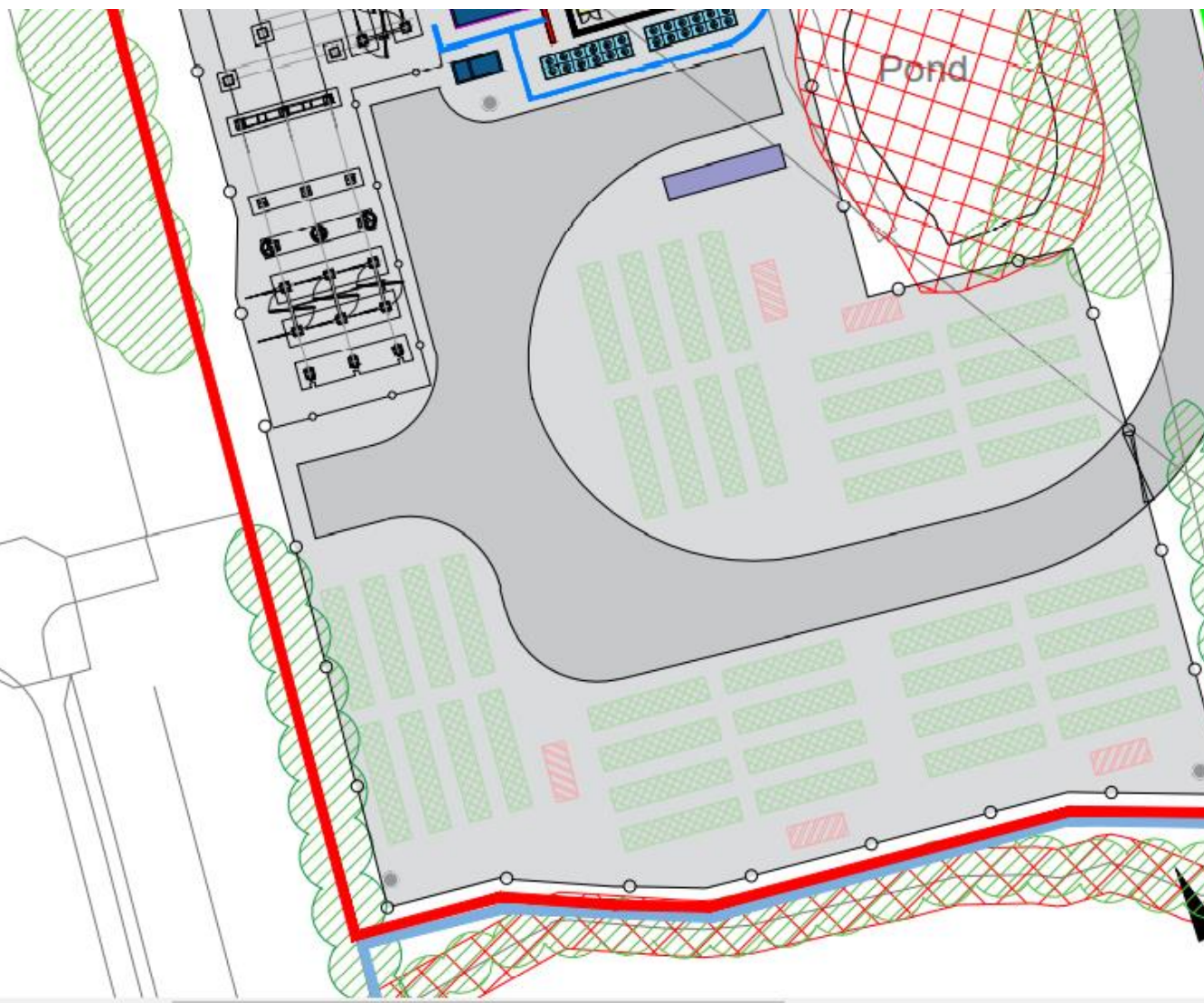
HABITAT MANAGEMENT AREA

WELFARE FACILITIES (12.9m x 2.44m
x 2.59m)

CRUSHED AGGREGATE

INDICATIVE EXISTING VEGETATION





- 3.4m HIGH PALISADE FENCE
- 1.6 m STOCK PROOF FENCE
- BATTERY (12.9m x 2.44m x 2.59m)
- INVERTER (6.1m x 2.44m x 2.59m)
- TRANSFORMERS WITH 7.0M HIGH CONNECTING BUS BARS
- LV SWITCH HOUSE (7.5m x 9.1m x 3.5m)
- FIRE WALL (0.5m x 10.0m)
- BUILDING (20.7m x 36.7m x 10.0m TO ROOF PITCH)
- E-HOUSE (ENCLOSED IN BUILDING 20.7m x 36.7m x 10.0m TO ROOF PITCH)
- ENERGY MANAGEMENT SYSTEM (ENCLOSED IN BUILDING 20.7m x 36.7m x 10.0m TO ROOF PITCH)
- COOLER (9.6m x 2.4m x 2.5m)
- PROPOSED ROADS
- EMERGENCY BACK UP DIESEL GENERATOR (6.1m x 3.6m x 2.9m)
- COMMS HOUSE (12.19m x 2.44m x 2.59m)
- 6m SECURITY COLUMN
- 4m HIGH WALL
- HABITAT MANAGEMENT AREA
- WELFARE FACILITIES (12.9m x 2.44m x 2.59m)
- CRUSHED AGGREGATE
- INDICATIVE EXISTING VEGETATION

Proposed Access Junction



[illegible]

PARKING SCHEDULE

Tree Number	Species	Height	Specification
15 No.	Acer campestre	150-175cm	Feather: BR
6 No.	Alnus glutinosa	150-175cm	Feather: BR
10 No.	Crataegus monogyna	150-175cm	Feather: BR
8 No.	Quercus robur	150-175cm	Feather: BR
10 No.	Salix caprea	150-175cm	Feather: BR
11 No.	Sorbus aucuparia	150-175cm	Feather: BR

Proposed Native Species Woodland and Scrub Mix

Number	Species	Height	Specification	Density
228 No.	Acer campestre	60-80cm	1+1: Transplant: BR	0.2/m²
228 No.	Alnus glutinosa	60-80cm	1+1: Transplant: BR	0.2/m²
228 No.	Corylus avellana	60-80cm	1+1: Transplant: BR	0.2/m²
228 No.	Crataegus monogyna	60-80cm	1+1: Transplant: BR	0.2/m²
228 No.	Holcus sylvaticus	60-80cm	1+1: Transplant: BR	0.2/m²
228 No.	Prunus spinosa	60-80cm	1+1: Transplant: BR	0.2/m²
228 No.	Quercus robur	60-80cm	1+1: Transplant: BR	0.2/m²
228 No.	Salix caprea	60-80cm	1+1: Transplant: BR	0.2/m²
228 No.	Sorbus aucuparia	60-80cm	1+1: Transplant: BR	0.2/m²

Total: 2280 No.

Native Species Woodland Screening Mix

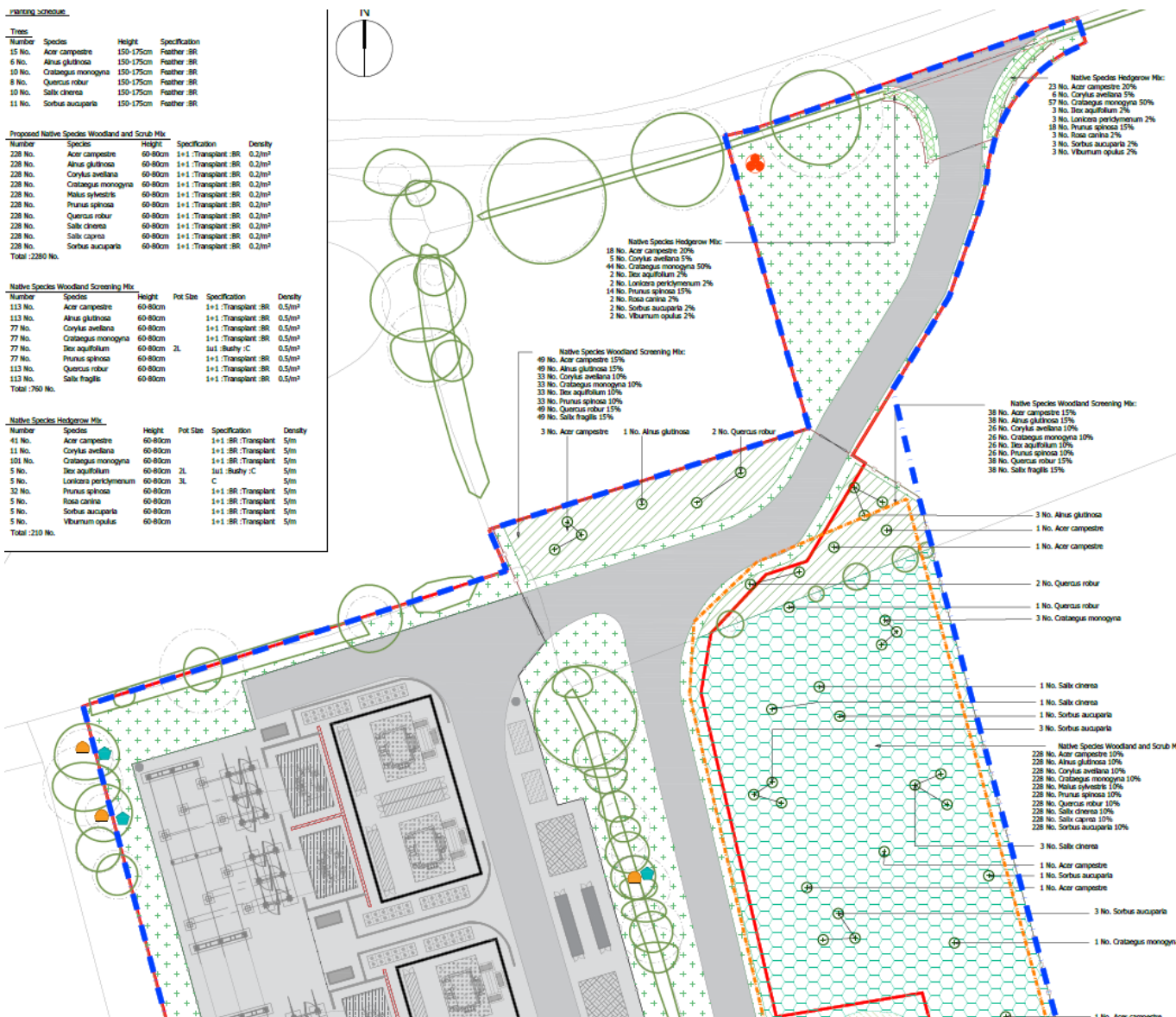
Number	Species	Height	Pot Size	Specification	Density
113 No.	Acer campestre	60-80cm	1+1	Transplant: BR	0.5/m²
113 No.	Alnus glutinosa	60-80cm	1+1	Transplant: BR	0.5/m²
77 No.	Corylus avellana	60-80cm	1+1	Transplant: BR	0.5/m²
77 No.	Crataegus monogyna	60-80cm	1+1	Transplant: BR	0.5/m²
77 No.	Ilex aquifolium	60-80cm	2L	1st: Bushy: C	0.5/m²
77 No.	Prunus spinosa	60-80cm	1+1	Transplant: BR	0.5/m²
113 No.	Quercus robur	60-80cm	1+1	Transplant: BR	0.5/m²
113 No.	Salix fragilis	60-80cm	1+1	Transplant: BR	0.5/m²

Total: 760 No.

Native Species Hedgerow Mix

Number	Species	Height	Pot Size	Specification	Density
41 No.	Acer campestre	60-80cm	1+1: BR	Transplant: 5/m	
11 No.	Corylus avellana	60-80cm	1+1: BR	Transplant: 5/m	
101 No.	Crataegus monogyna	60-80cm	1+1: BR	Transplant: 5/m	
5 No.	Ilex aquifolium	60-80cm	2L	1st: Bushy: C	5/m
5 No.	Lonicera periclymenum	60-80cm	2L	C	5/m
32 No.	Prunus spinosa	60-80cm	1+1: BR	Transplant: 5/m	
5 No.	Rosa canina	60-80cm	1+1: BR	Transplant: 5/m	
5 No.	Sorbus aucuparia	60-80cm	1+1: BR	Transplant: 5/m	
5 No.	Viburnum opulus	60-80cm	1+1: BR	Transplant: 5/m	

Total: 210 No.



EXISTING FEATURES



Existing Tree/vegetation to be Retained
For details refer to existing tree survey



RPA (Root Protection Area)



Existing Vegetation to be Removed



Existing Pond to be Retained

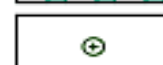
PROPOSED FEATURES



Proposed Native Species Woodland Screening Planting
Total Area: 1153m²



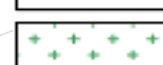
Proposed Native Species Woodland and Scrub Mix
Total Area: 1024m²



Proposed Specimen Tree Planting



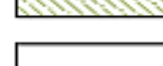
Proposed Native Species Hedgerow Mix
Total: 39m



Proposed Existing Grassland Retained



Proposed Pond Edge Mixture:
Emorsgate EP1
(Containing Hemp Agrimony and Common Fleabane)
Total Area: 352m²
Sown at a rate: 4g per m² (40kg per ha)



Proposed Bird Boxes



Proposed Bat Boxes



Proposed 3.4m High Security Fencing



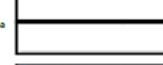
Proposed Site Access Gate



Proposed Stock Proof Fencing
(2 m high timber post and wire)



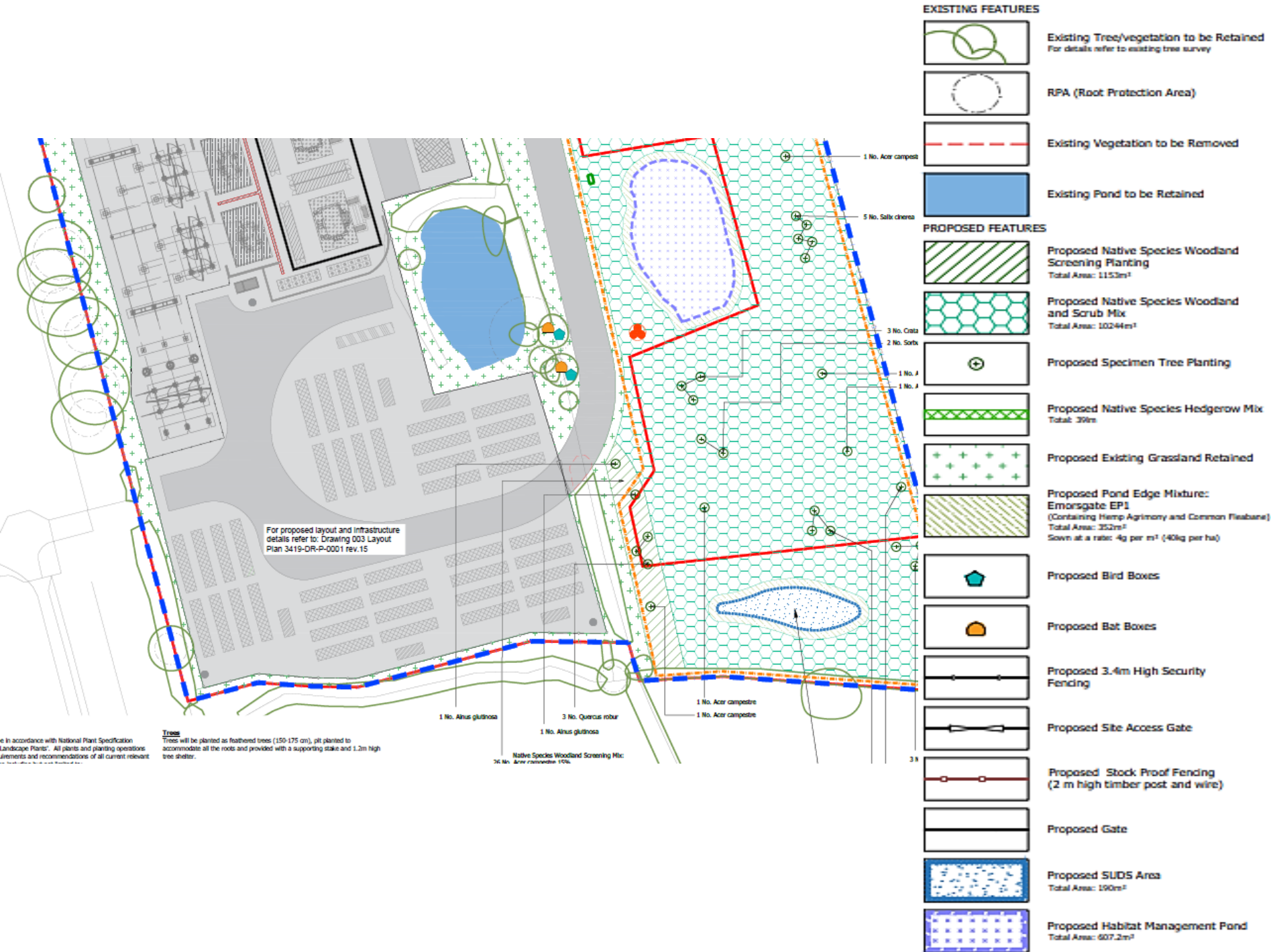
Proposed Gate



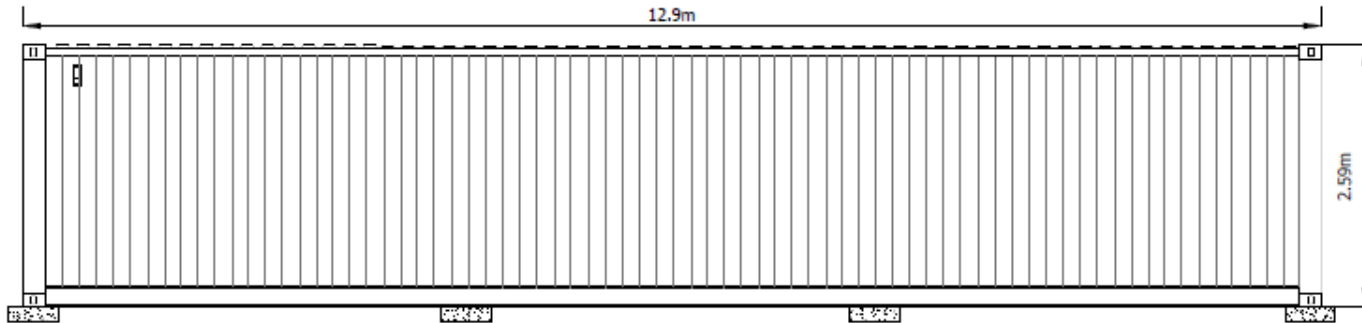
Proposed SUDS Area
Total Area: 190m²



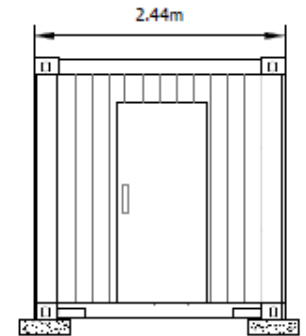
Proposed Habitat Management Pond
Total Area: 507.2m²



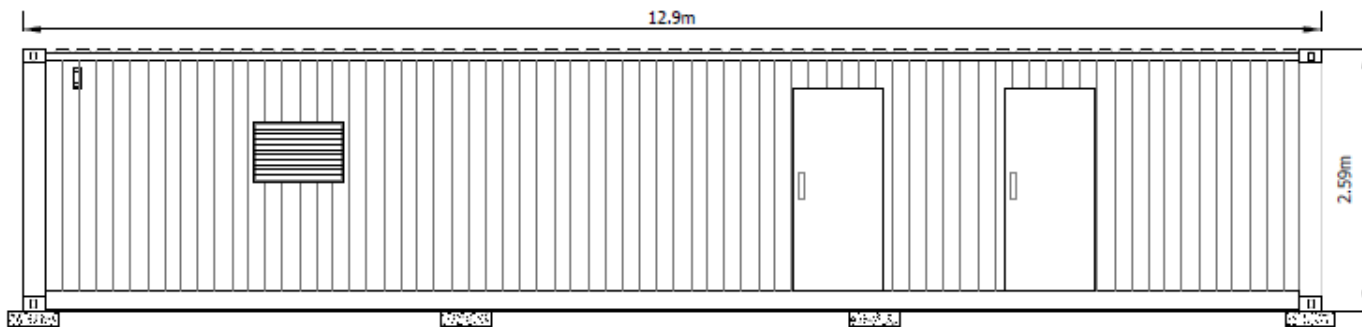
Battery Container



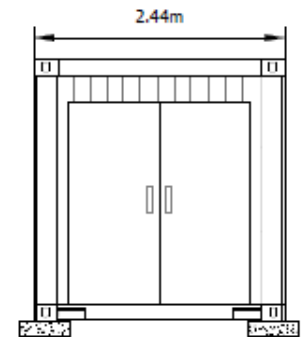
FRONT ELEVATION



END ELEVATION

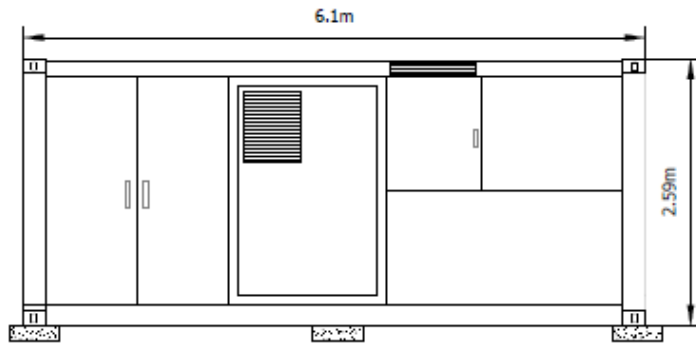


REAR ELEVATION

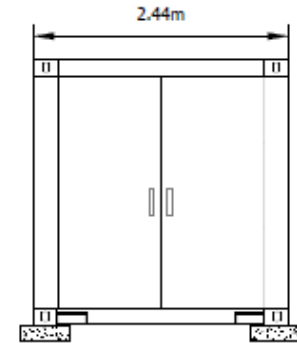


END ELEVATION

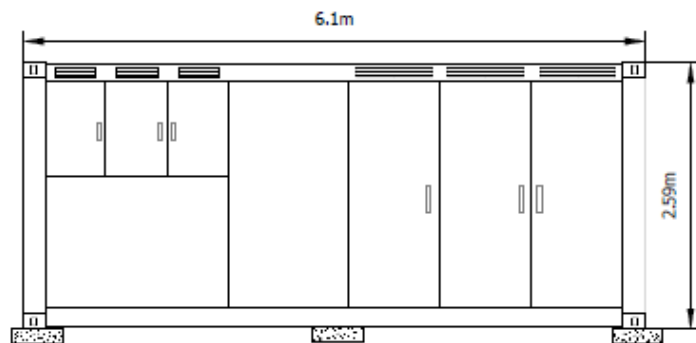
Inverter Units



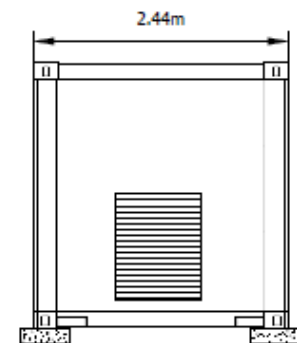
FRONT ELEVATION



END ELEVATION

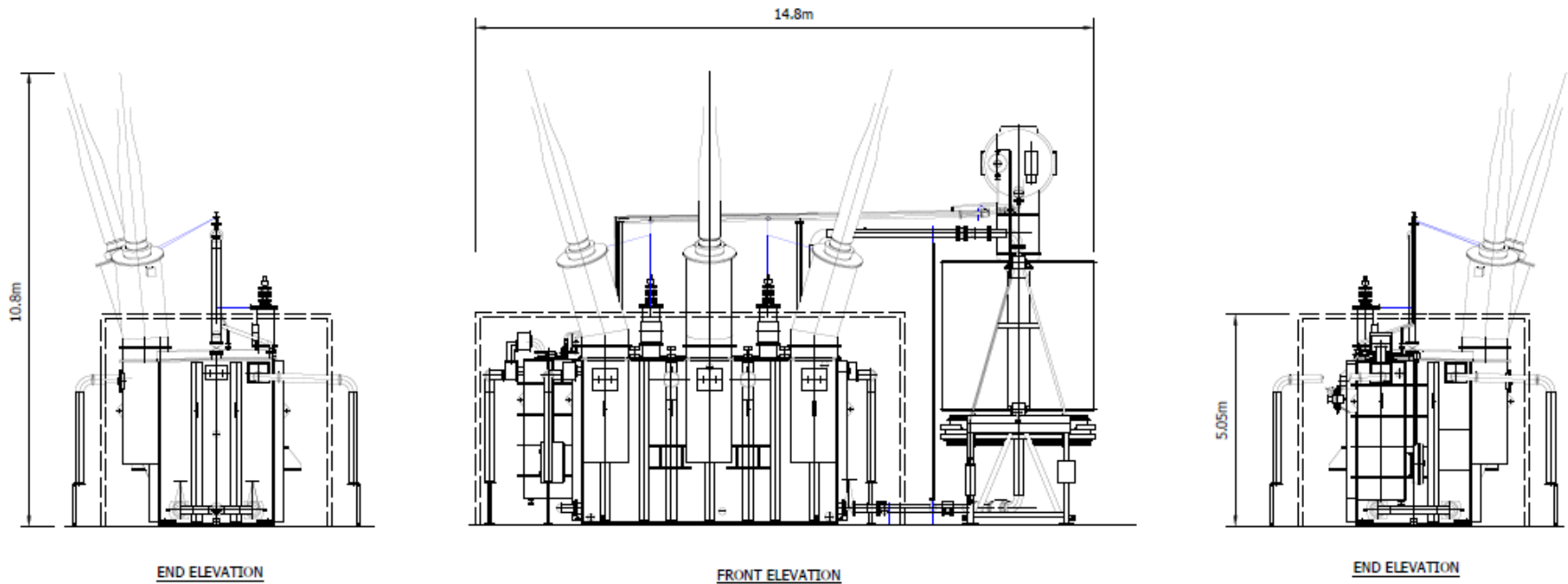


REAR ELEVATION



END ELEVATION

Transformers



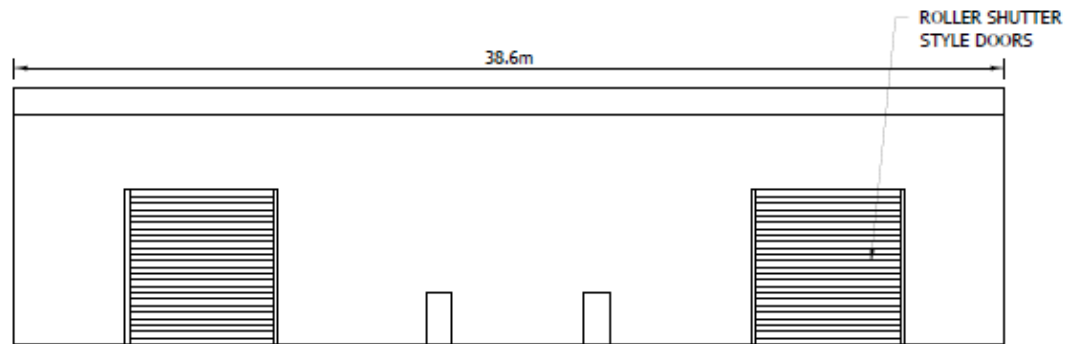
Energy Management Building



PLAN



END ELEVATION

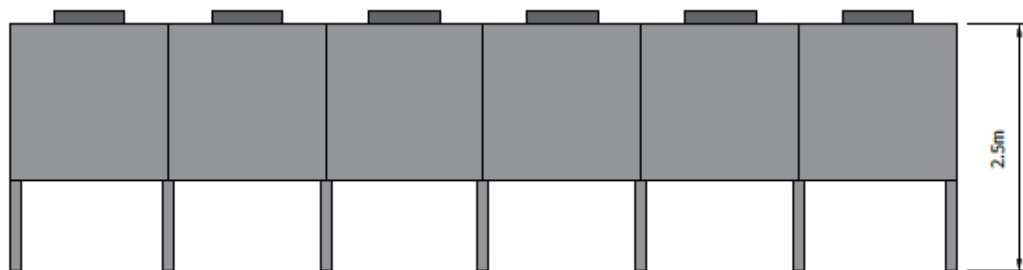


ELEVATION

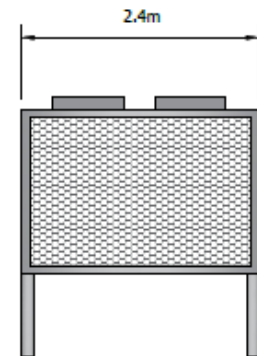
Coolers



PLAN

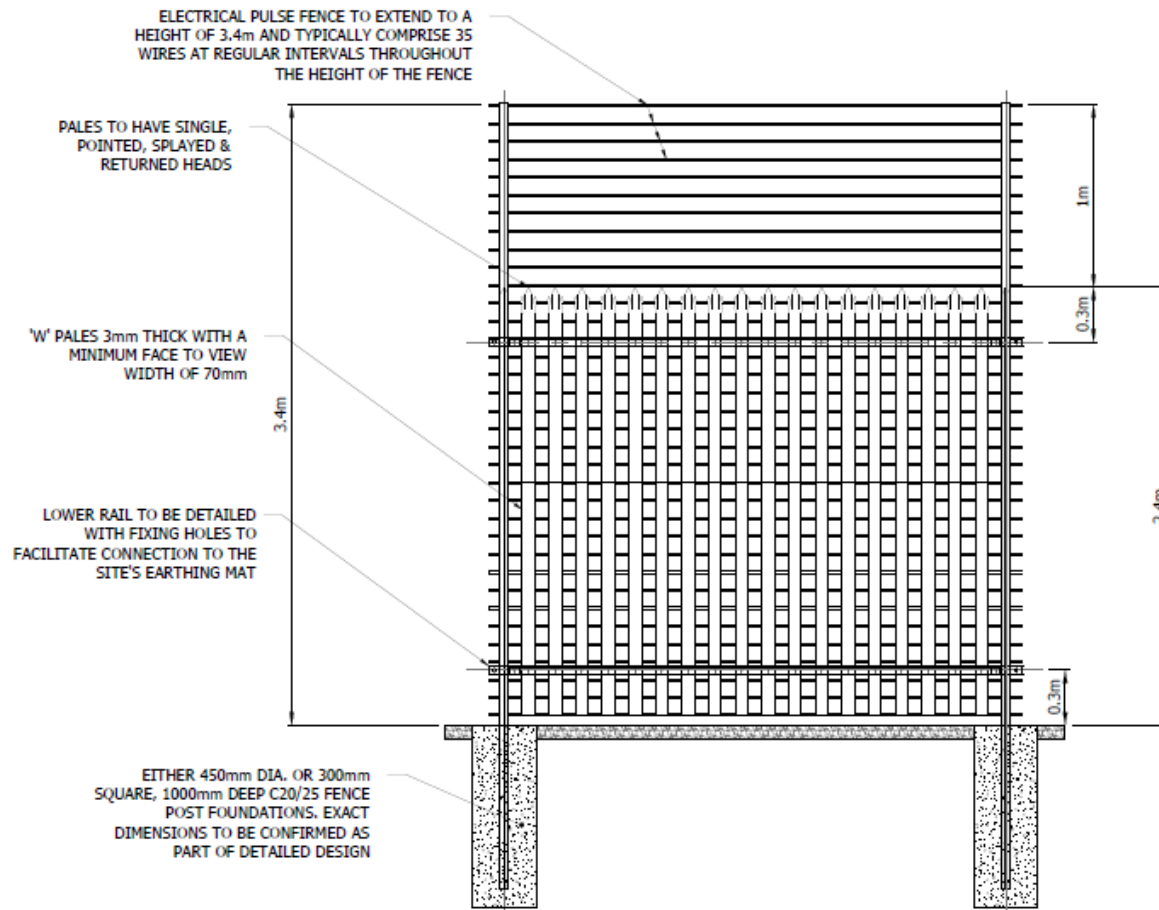


ELEVATION

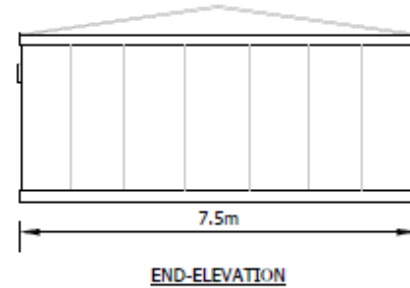
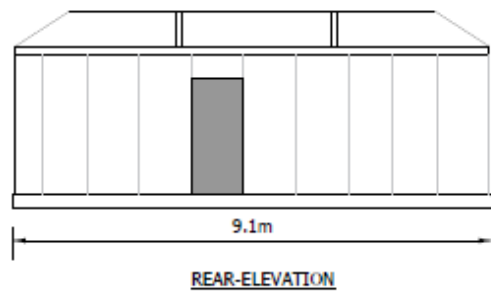
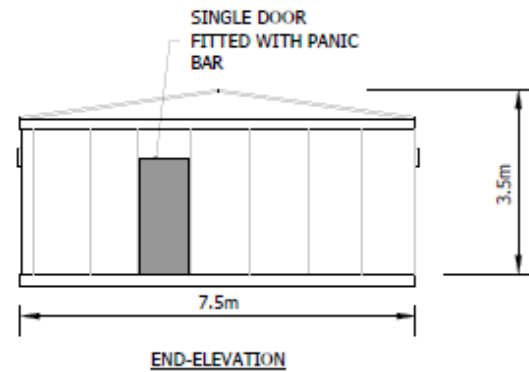
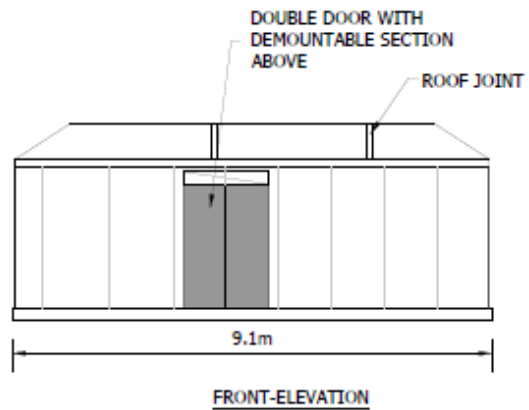


END ELEVATION

Fencing



Switch Houses



Viewpoint 1: Bridleway RD-786, Looking West



Viewpoint 2: Bridleway RD-786, Looking Northwest



Viewpoint 3: Bridleway RD-787, near Shurnock Court, Looking North-West



Viewpoint 4: Astwood Lane and permissive footpath, Looking South



Photomontage Showing Proposed Development - No mitigation



Photomontage Showing Proposed Development - Mitigation Year 15

HGV Routing Plan

