

Legend

- Site Boundary
- Existing Water Courses and Features
- Contours/Spot Heights (Metres AOD)
- Existing Public Rights of Way
- Existing Access Road
- Existing Overhead Lines
- Existing Hedgerows, Canopies and Foliage
- Existing Trees and Hedgerow Trees
- Existing Low Level Vegetation
- Existing Arable Land to be retained
- Proposed Hard Features**
- Proposed Diverted Public Rights of Way
- Proposed PV Unit Fencing
- Solar Panel PV Units
- Proposed Access Road
- Proposed Soft Features**
- Proposed grassland outside of the perimeter fence to be subject to low intensity management to develop a tall and tussocky sward and maintained to a suitable height
- Proposed Grassland within perimeter fence to be seeded and maintained to a low/suitable height
- Species-rich Grassland to be seeded and allowed to grow to a tall sward and maintained to a suitable height
- Existing Tussocky Grassland to be retained and allowed to grow to a tall sward and maintained to a suitable height
- Proposed Hedgerow
- Hedgerow where hedgerow trees will be allowed to establish
- Proposed Native Woodland Planting
- Proposed Orchard Planting
- Existing Hedgerows to be removed subject to requirements of access roads

Source:
 OS Mapping
 Ordnance Survey
 Data collected for consistency and analysis mapping is based on publicly available sources at the time of preparation therefore any inaccuracy is not the responsibility of the author and may not be accurate. Sources shall not be held for the accuracy of data derived from external sources.

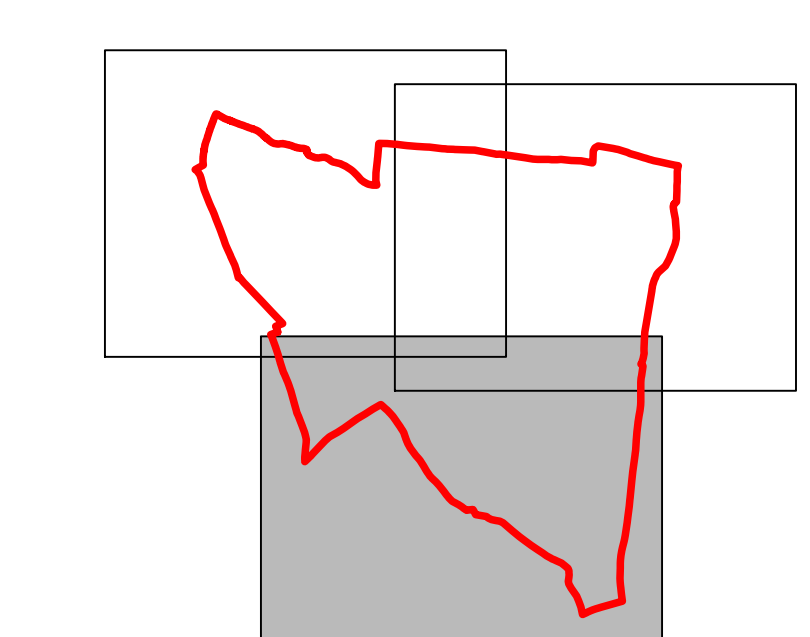
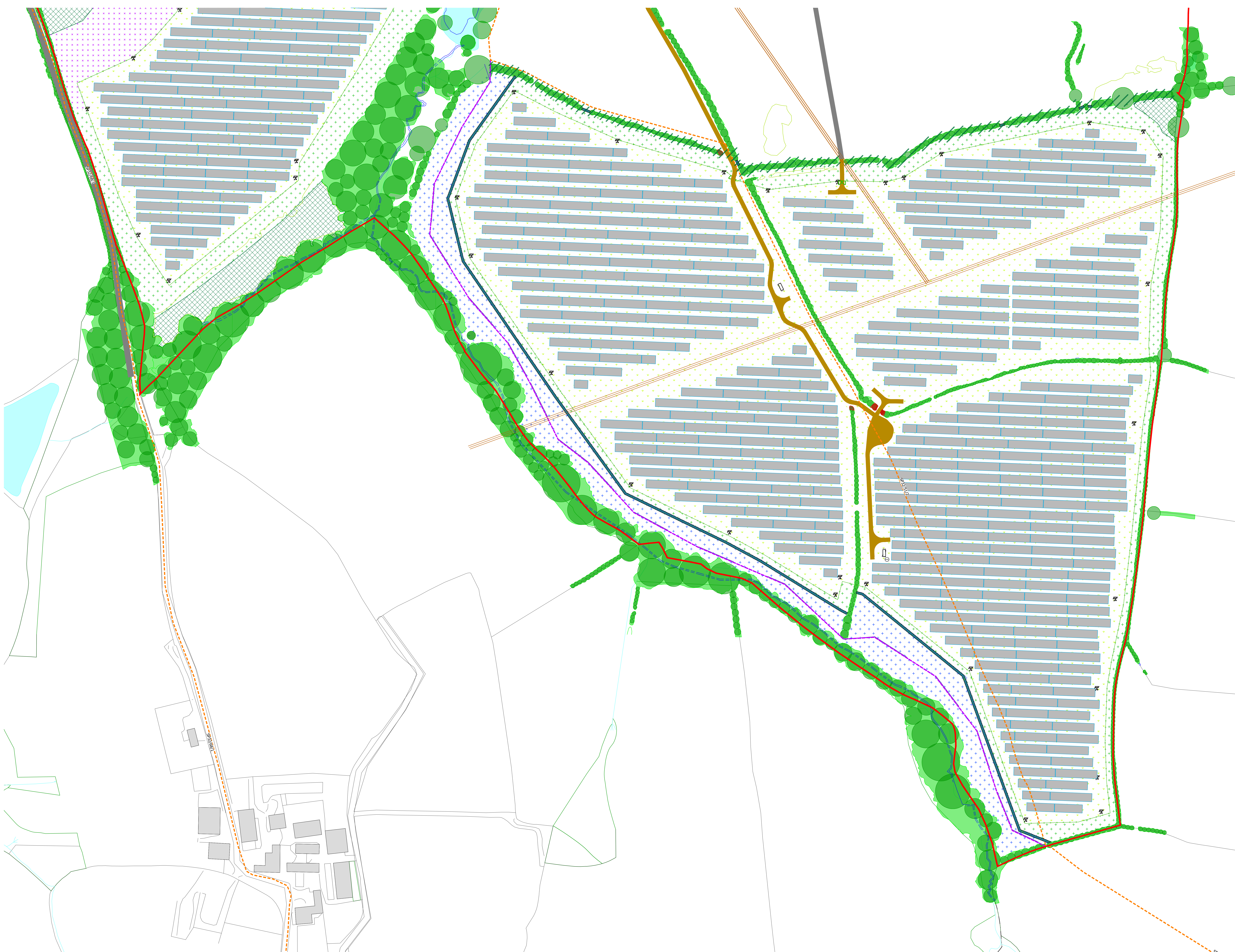


FIGURE 7.12
 Project
Allestree Clean Energy
 Drawing Title
Landscape Strategy Plan
 Sheet 3 of 3
 Date 07.06.2024 Scale 1:1000 (A0) 1:2000 (A2) Drawn by EJ Check by CM
 Project No 333100437 Drawing No LN-LP-16 Revision D



Hedgerow Mix (plant at 0.5m centres in single species groups of 3-7 plants)						
Abbrev	Species Name	Common Name	Height	General Specification	Percentage	Quantity
Ac ca	Acer campestre	Field Maple	80-100cm	1+1: Transplant - seed raised: B	15%	
Co av	Corylus avellana	Common Hazel	80-100cm	1+2: Transplant - seed raised: Branched: 4 brks: B	20%	
Cr mo	Crataegus monogyna	Common Hawthorn	80-100cm	1+2: Transplant - seed raised: 4 brks: B	15%	
Il aq	Ilex aquifolium	Common Holly	80-100cm	Leader with laterals: B	15%	
Pr sp	Prunus spinosa	Blackthorn	80-100cm	1+2: Transplant - seed raised: Branched: 3 brks: B	25%	
Vi la	Viburnum lantana	Wayfaring Tree	80-100cm	Branched: 5 brks: 10L	10%	

Orchard Mix						
Abbrev	Species Name	Common Name	Height	General Specification	Percentage	Quantity
Ma sy	Malus sylvestris	Crab Apple	80-100cm	1+2: Transplant - seed raised: B	30%	
Ma sp	Malus sp	Ornamental Apple	80-100cm	1+2: Transplant - seed raised: B	30%	
Pr av	Prunus avium	Wild Cherry	80-100cm	1+1: Transplant - seed raised: B	40%	

Native Woodland Mix (plant at 0.5 plants/m ² in single species groups of 3-5 plants)						
Abbrev	Species Name	Common Name	Height	General Specification	Percentage	Quantity
Ac ca	Acer campestre	Field Maple	80-100cm	1+2: Transplant - seed raised: B	25%	
Be pu	Betula pubescens	Downy Birch	80-100cm	1+1: Transplant - seed raised: B	20%	
Pr sp	Prunus spinosa	Blackthorn	60-80cm	1+1: Transplant - seed raised: Branched: 2 brks: B	20%	
Qu ro	Quercus robur	English Oak	80-100cm	1+2: Transplant - seed raised: B	20%	
So au	Sorbus aucuparia	Rowan	80-100cm	1+1: Transplant - seed raised: B	15%	
Understorey planting						
Co sa	Cornus sanguinea	Common Dogwood	60-80cm	1+1: Transplant - seed raised: Branched: 3 brks: B	20%	
Co av	Corylus avellana	Common Hazel	60-80cm	1+2: Transplant - seed raised: Branched: 3 brks: B	20%	
Co mo	Crataegus monogyna	Common Hawthorn	80-100cm	1+2: Transplant - seed raised: B	20%	
Li vu	Ligustrum vulgare	Common Privet	60-80cm	0/2; Cutting; branched; 3 breaks	20%	
Vi op	Viburnum opulus	Guelder Rose	60-80cm	1+2: Transplant - seed raised: Branched: 4 brks: B	20%	

PLANTING NOTES

General

- Plant material to conform to the National Plant Specification. Plant handling and planting operations to be in accordance with HTA 'Handling and Establishing Landscape Plants', Parts I-III.
- Imported topsoil (if required) to BS 3882 Low Fertility Grade and from an approved source. Existing topsoil shall have a maximum 35% clay content and minimum 5% organic content, pH 5.5-8.5 and be free of perennial weeds, weed seeds and contamination. Maximum stone content 20% (>20mm particle size), maximum size of stones 50mm in any direction. Existing topsoil to be ameliorated and/or screened if necessary to achieve this specification.
- Soil conditioner: Sanitized and stabilised compost to BSI PAS 100. Apply 75mm depth even coverage and incorporate into topsoil during cultivation operations, to a minimum depth of 150mm. Compost to be Compost Association certified, or conforming to the specification from an approved supplier.
- Mulch planting beds with matured coniferous bark, with an even particle size between 5-35mm, to 75mm minimum depth over weed-free soil after completion of planting and watering operations.

Existing and Proposed Grassland

- Retain existing grassland - bare areas to be seeded with an agricultural grassland seed mix.

Hedgerows

- Prepare a 0.5m wide x 0.3m deep weed-free trench (or larger if necessary, in order to take the full spread of the roots); the sides and bottom of the trench will be forked over and 'ripped' to facilitate proper drainage, prior to back-filling. The trench to be excavated on the same day as planting and to be back-filled with an appropriate excavated topsoil/ compost mix. Compost will only be used if necessary; should compost be deemed necessary, it to be Compost Association certified, or obtained from a supplier conforming to this specification. Hedgerow to be cultivated by hand only in proximity to existing trees/hedgerow. No herbicide.
- For existing hedgerows, plant bare root transplants and container-grown shrubs at 0.5m centres on the back of the existing hedgerows and fill any gaps larger than 0.5m. Hand dig with care in proximity to existing hedgerows and do not sever any roots larger than 2.5cm in diameter.
- For new hedgerows, plant shrubs at 0.5m centres.
- Transplants to be notch planted and container-grown shrubs to be pit planted (in pits 150mm wider than root spread) ensuring the original root collar is at ground level after backfilling and firming in.
- Hedgerow plants to be installed with rabbit protection, as follows:
 - Transplants, cuttings and seedlings: PP photodegradable tube guards 0.6m high x 50mm diameter or greater to suit girth of shrub/tree, supported by 900mm bamboo cane inserted 300mm below ground level.
 - Container-grown shrubs: recycled HDPE photodegradable mesh guards 0.6m high x 150-180mm diameter or greater to suit diameter of shrub, supported by 900mm timber stake inserted 300mm below ground level.
 Ensure protection methods do not restrict natural movement or growth.

Tree and Understorey Shrub Planting

- Plants to be installed with rabbit protection, in the same method as hedgerow plants.
- Notch plant bare root transplants in rows on a 2.0m grid. Hand dig with care in proximity to existing trees and do not sever any roots larger than 2.5cm in diameter.

Planting seasons

- Planting seasons:
 - Deciduous trees and shrubs: Late October to late March
 - Conifers and evergreens: September/October or April/May
 - Container grown plants: At any time if ground and weather conditions are favourable
 - Grass seeding: August/September

LANDSCAPE & BIODIVERSITY MANAGEMENT PLAN

Establishment and Maintenance Period (Years 1-5)

Pruning generally

- All dead, damaged or diseased tree branches shall be removed and arisings removed from site. Trees and shrubs shall be pruned in the appropriate season to maintain health and vigour and to prevent encroachment on access route/storage areas, etc. The removal of vegetation will be timed for outside of the bird nesting season (March to August inclusive) to prevent disturbance of breeding birds. If this is not possible, a check for active nests will first be undertaken by an ecologist. If a nest is found, an appropriate buffer will be left undisturbed until any chicks have fledged, as confirmed by an ecologist.

Existing & Proposed Hedgerows

- Two thirds of the hedgerow to be cut every three years, with a third left uncut for up to 9 years, and so on in a cycle. The minimum dimensions for cutting are 3m in height and 2m in width. Promote bushy growth while providing continued habitat and foraging opportunities for wildlife. Hedgerow trees shall be retained and encouraged to develop to full maturity where not likely to cause overshadowing of panels.
- Hedgerow Trees allowed to establish within proximity to Longstone residential property are to maintained at a height of no more than Xm

Woodland

- Re-mulch planting area during years 1-3 to minimise competition from weeds and grasses.

Existing Grassland

- Grassland inside perimeter fence to be mown on a regular basis to maintain a short sward of suitable height as required to prevent shading of the panels or security features.
- Proposed grassland outside of the perimeter fence to be subject to low intensity management to develop a tall and tussocky sward and maintained to a suitable height.

Scrub

- Areas to be thinned and trimmed to a height of between 1 and 3 meters on a 3 year rotational basis.

General

- All areas of planting and grass shall be maintained, to include:
 - Ample irrigation
 - Weed control (herbicide application or hand weeding)
 - Litter picking
 - Topping up of mulch
 - Checking condition of tree stakes and ties

- All stakes and ties shall be inspected during the growing season and adjusted as necessary to ensure that they are secure and firm and that the ties are not chaffing the stem of the trees. Stakes and ties shall be removed and disposed of when plants become self supporting or at the end of the 5 year establishment period.

- Planting which fails to thrive or dies during the 5-year establishment period shall be replaced within the next suitable planting season.

Long Term Management Plan

Pruning generally

- All dead, damaged or diseased tree branches shall be removed and arisings removed from site. Shrubs shall be pruned in the appropriate season (see hedgerows, below) to maintain health and vigour and encroachment on access route/storage areas, etc. Avoid cutting operations from March to August (inclusive) to prevent disturbance of breeding birds.

Hedgerows

- Two thirds of the hedgerow to be cut every three years, with a third left uncut for up to 9 years, and so on in a cycle. The minimum dimensions for cutting are 3m in height and 2m in width. Promote bushy growth while providing continued habitat and foraging opportunities for wildlife. Hedgerow trees shall be encouraged to develop to full maturity.

Existing and Proposed Grassland

- Retained grassland to be mown as required to prevent shading of the panels or security features. Areas outside perimeter fence to be mown no more than once annually.

Scrub

- Areas to be thinned and trimmed to a height of between 1 and 3 meters on a 3 year rotational basis.

Woodland

- Carry out selective thinning and coppicing of approximately 30% of plants in Year 5. Leave deadwood and brush piles in situ.

General

- All soft and hard landscaping shall be inspected annually by the Landscape Contractor and an approved arboriculturist and tree works carried out as necessary to ensure the continued health and safety of the trees. Regular weed control and litter picking operations will be required.

Areas of Landscape Elements	
Landscape Elements	Area (ha) / Length (m)
Proposed Native Woodland Planting	2.68
Proposed Orchard Planting	0.08
Proposed Species-rich Grassland	7.79
Existing and retained Tussock Grassland	3.67
Proposed Hedgerow	1444m
Grassland within Proposed Perimeter Fence	38.76
Grassland outside Proposed Perimeter Fence	10.53

FIGURE 7.12

Project

Alleston Clean Energy

Drawing Title

**Landscape Strategy Plan
Planting Schedule and Notes**

Date	Scale	Drawn by	Check by
07.06.2024	N/A	EJ	CM
Project No	Drawing No	Revision	
333100437	LN-LP-17	D	



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